



TEST REPORT

Reference No. : WTU26D02040332W005
Manufacturer* : Coolr Group Inc
Address : 4451 Brookfield Corporate Dr. Suite 111, Chantilly, VA 20151, USA
Factory : MIOT Wireless Solutions Co., Ltd.
Address : Room 602, Building No.14, InnoWing Valley, No.135 Zhangji Road,
Kunshan, Suzhou, Jiangsu, China.
Product : VistaZ
PMN : VistaZ Power, VistaZ Go
Model(s) : CVP-0401, CVG-0401
Standards : ETSI EN 301 908-1 V15.2.1 (2023-01)
ETSI EN 301 908-13 V13.2.1 (2022-02)
Date of Receipt Sample ... : 2026-02-26
Date of Test : 2026-03-11 to 2026-03-24
Date of Issue : 2026-03-31
Test Result : **Pass**

Remarks:

1. The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.
2. "*" **manufacturer** means any natural or legal person who manufactures radio equipment or has radio equipment designed or manufactured, and markets that equipment under his name or trade mark.

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3 Revision History

Test Report No.	Date of Receipt Sample	Date of Test	Date of Issue	Purpose	Comment	Approved
WTU26D02040332W005	2026-02-26	2026-03-11 to 2026-03-24	2026-03-31	Original	-	Valid

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4 General Information

4.1 General Description of E.U.T.

Product:	VistaZ
Model(s):	CVP-0401, CVG-0401
Model Description:	Only the model name, power supply configurations and PMN are different. These devices will be listed in the application under the following exact model numbers: CVP-0401 (Marketed as: VistaZ Power) CVG-0401 (Marketed as: VistaZ Go) The only differences between these two models are strictly related to the power supply configurations: CVP-0401 utilizes a DC power input of up to 24V and includes an internal battery for backup power. CVG-0401 utilizes [3xAA batteries based power supply without the 24V DC input]. The model CVP-0401 was tested in this report.
LTE Band(s):	FDD Band 1/3/5/7/8/20/28 TDD Band 34/38/40/41
Hardware Version:	V2.0 Rev0.3
Software Version:	v06.04.51

4.2 Details of E.U.T.

Operation Frequency:	LTE Band 1: Tx: 1920-1980MHz, Rx: 2110-2170MHz LTE Band 3: Tx: 1710-1785MHz, Rx: 1805-1880MHz LTE Band 5: Tx: 824-849MHz, Rx: 869-894MHz LTE Band 7: Tx: 2500-2570MHz, Rx: 2620-2690MHz LTE Band 8: Tx: 880-915MHz, Rx: 925-960MHz LTE Band 20: Tx: 832-862MHz, Rx: 791-821MHz LTE Band 28: Tx: 703-748MHz, Rx: 758-803MHz LTE Band 34: Tx: 2010-2025MHz, Rx: 2010-2025MHz LTE Band 38: Tx: 2570-2620MHz, Rx: 2570-2620MHz LTE Band 40: Tx: 2300-2400MHz, Rx: 2300-2400MHz LTE Band 41: Tx: 2496-2690MHz, Rx: 2496-2690MHz
Max. RF output power:	LTE Band 1: 25dBm LTE Band 3: 25dBm LTE Band 5: 25dBm LTE Band 7: 25dBm LTE Band 8: 25dBm LTE Band 20: 25dBm LTE Band 28: 25dBm LTE Band 34: 25dBm LTE Band 38: 25dBm LTE Band 40: 25dBm LTE Band 41: 25dBm
Type of Modulation:	QPSK, 16QAM
Antenna installation:	Stainless steel antenna
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**Antenna Gain:**

LTE Band 1: 3.09dBi
LTE Band 3: 1.50dBi
LTE Band 5: 0.25dBi
LTE Band 7: 2.77dBi
LTE Band 8: -1.88dBi
LTE Band 20: 0.25dBi
LTE Band 28: 0.72dBi
LTE Band 34: -3.73dBi
LTE Band 38: 2.33dBi
LTE Band 40: 2.26dBi
LTE Band 41: 2.96dBi

Note:

#: The antenna gain is provided by the applicant, and the applicant should be responsible for its authenticity, WALTEK lab has not verified the authenticity of its information.

Ratings:

DC 12-24V for CVP-0401

Battery:

DC 3.7V by battery for CVP-0401

DC 4.5V by 3*AA battery for CVG-0401

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5 Test Summary

RF PART		
Test Items	Test Requirement	Result
Radiated emissions(UE)	ETSI EN 301 908-1	PASS
Control and monitoring functions(UE)	ETSI EN 301 908-1	PASS*
Transmitter maximum output power	ETSI EN 301 908-13	PASS*
Transmitter spectrum emission mask	ETSI EN 301 908-13	PASS*
Transmitter spurious emission	ETSI EN 301 908-13	PASS
Transmitter minimum output power	ETSI EN 301 908-13	PASS*
Receiver adjacent channel selectivity(ACS)	ETSI EN 301 908-13	PASS*
Receiver blocking characteristics	ETSI EN 301 908-13	PASS*
Receiver spurious response	ETSI EN 301 908-13	PASS*
Receiver intermodulation characteristics	ETSI EN 301 908-13	PASS*
Receiver Reference Sensitivity Level	ETSI EN 301 908-13	PASS*
Receiver spurious emission	ETSI EN 301 908-13	PASS*
Transmitter adjacent channel leakage power ratio (ACLR)	ETSI EN 301 908-13	PASS*
Remark: N/A: Not Applicable RF: In this whole report RF means Radio Frequency. *: The test result refer to the report SZCR240300099801 and SZCR240300099802.		



6 Equipment Used during Test

6.1 Equipments List

RF Conducted test						
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Calibration Date	Calibration Due Date
1.	Spectrum Analyzer	Agilent	N9020A	MY49100060	2025-07-04	2026-07-03
2.	Universal Radio Communication Tester	R&S	CMU 200	114798	2025-07-04	2026-07-03
3.	Humidity Chamber	GF	GTH-225-40-1P	IAA061213	2025-07-04	2026-07-03
4.	Synthesized Sweeper	HP	8341B	2624A00177	2025-07-04	2026-07-03
5.	Matching Network	SUN MOON ELECTRONICS	N/A	MP0835-6	2025-07-04	2026-07-03
6.	DC Power Supply	EVERFINE	WY305	1004002	2025-07-04	2026-07-03
3m Semi-anechoic Chamber for Radiation						
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Calibration Date	Calibration Due Date
1.	Spectrum Analyzer	R&S	FSP30	100091	2025-04-19	2026-04-18
2.	Amplifier	Agilent	8447D	2944A10178	2025-07-04	2026-07-03
3.	Trilog Broadband Antenna	SCHWARZBECK	VULB9163	336	2025-07-20	2026-07-19
4.	Coaxial Cable (below 1GHz)	Top	TYPE16(13M)	-	2025-04-19	2026-04-18
5.	Broad-band Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1314	2025-08-09	2026-08-08
6.	Broadband Preamplifier	COMPLIANCE DIRECTION	PAP-1G18	2004	2025-07-04	2026-07-03
7.	Coaxial Cable (above 1GHz)	ZT26-NJ-NJ-8M/FA	1GHz-18GHz	NA	2025-04-19	2026-04-18
8.	Fading Simulator	R&S	ABFS	100172	2025-04-19	2026-04-18
9.	ESG VECTOR SIGNAL GENERATOR	Malaysia Keysight	E4438C	MY45092536	2025-04-19	2026-04-18
10.	Universal Radio Communication Tester	R&S	CMU 200	114798	2025-07-04	2026-07-03



6.2 Measurement Uncertainty

Parameter	Uncertainty
Occupied Channel Bandwidth	$\pm 5\%$
RF output power, conducted	$\pm 0.42\text{dB}$
Power Spectral Density, conducted	$\pm 0.7\text{dB}$
Unwanted Emissions, conducted	$\pm 2.76\text{dB}$
Time	$\pm 5\%$
Duty Cycle	$\pm 5\%$
Temperature	$\pm 1^\circ\text{C}$
Humidity	$\pm 2\%$
DC and low frequency voltages	$\pm 0.1\%$
Conduction disturbance(150kHz~30MHz)	$\pm 3.64\text{dB}$
Radiated Emission(30MHz~1GHz)	$\pm 4.53\text{dB}$
Radiated Emission(1GHz~30GHz)	$\pm 5.03\text{dB}$

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6.3 Test Mode

All test mode(s) and condition(s) mentioned were considered and evaluated respectively by performing full tests, the worst data were recorded and reported.

RF Part

Test Mode		Channel Frequency	Channel Number
Tx/Idle	LTE Band 1	1922.5 MHz	18025
		1950.0 MHz	18300
		1977.5 MHz	18575
	LTE Band 3	1710.7 MHz	19207
		1747.5 MHz	19575
		1784.3 MHz	19943
	LTE Band 5	824.7 MHz	20407
		836.5 MHz	20525
		848.3 MHz	20643
	LTE Band 7	2502.5 MHz	20775
		2535.0 MHz	21100
		2567.5 MHz	21425
	LTE Band 8	880.7 MHz	21457
		897.5 MHz	21625
		914.3 MHz	21793
	LTE Band 20	834.5 MHz	24175
		847.0 MHz	24300
		859.5 MHz	24425
	LTE Band 28	704.5 MHz	27225
		719.5 MHz	27375
		746.5MHz	27645
	LTE Band 34	2012.5 MHz	36225
		2017.5 MHz	36275
		2022.5 MHz	36325
	LTE Band 38	2572.5 MHz	37775
		2595.0 MHz	38000
		2617.5 MHz	38225
	LTE Band 40	2302.5 MHz	38675
		2350.0 MHz	39150
		2397.5 MHz	39625
	LTE Band 41	2498.5 MHz	39675
		2593 MHz	40620
		2687.5 MHz	41565



Rx	LTE Band 1	N/A	N/A
	LTE Band 3	N/A	N/A
	LTE Band 7	N/A	N/A
	LTE Band 8	N/A	N/A
	LTE Band 20	N/A	N/A
	LTE Band 28	N/A	N/A
	LTE Band 34	N/A	N/A
	LTE Band 38	N/A	N/A
	LTE Band 40	N/A	N/A
	LTE Band 41	N/A	N/A

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7 RF Requirements

1. Normal Test Conditions:

Ambient Condition: 25.4 °C to 55 %RH

2. Extreme Test Conditions:

Extreme Temperature:

Handheld device: -20°C to +50°C;

Vehicular or Portable: -20°C to +50°C;

Extreme Power Source Voltages:

Power source	Lower extreme	Higher extreme	Normal condition
AC mains	0.9	1.1	1.0
Regulated lead acid battery	0.9	1.3	1.1
Leclanché battery	0.85	1.0	1.0
Lithium battery	0.95	1.10	1.10
Mercury/nickel cadmium battery	0.9	1.0	1.0

The follow condition is applicable:

Test Conditions	Normal	LTLV	LTHV	HTHV	HTLV
Temperature (°C)	25.4	-20	-20	50	50
Voltage (VDC)	12-24	10.8	24.24	24.24	10.8



7.1 Radiated emissions (UE)

7.1.1 Definition

This test assesses the ability of radio communications equipment and ancillary equipment to limit unwanted emissions from the enclosure port.

This test is applicable to radio communications equipment and ancillary equipment.

This test shall be performed on the radio communications equipment and/or a representative configuration of the ancillary equipment.

7.1.2 Requirement and Limit

The frequency boundary and reference bandwidths for the detailed transitions of the limits between the requirements for out of band emissions and spurious emissions are based on ITU-R Recommendations SM.329-10 [3] and SM.1539-1 [4].

The requirements shown in the following table are only applicable for frequencies in the spurious domain.

Frequency	Minimum requirement (e.r.p.)/ reference bandwidth idle mode	Minimum requirement (e.r.p.)/ reference bandwidth traffic mode	Applicability
$30 \text{ MHz} \leq f < 1\,000 \text{ MHz}$	-57 dBm/100 kHz	-36 dBm/100 kHz	All
$1 \text{ GHz} \leq f < 12,75 \text{ GHz}$	-47 dBm/1 MHz	-30 dBm/1 MHz	All
$f_c - 2,5 \times 5 \text{ MHz} < f < f_c + 2,5 \times 5 \text{ MHz}$		Not defined	UTRA FDD, UTRA TDD, 3,84 Mcps option, cdma2000, spreading rate 3
$f_c - 2,5 \times \text{BW}_{\text{Channel}} \text{ MHz} < f < f_c + 2,5 \times \text{BW}_{\text{Channel}} \text{ MHz}$		Not defined	E-UTRA FDD, E-UTRA TDD, UMB
$f_c - 2,5 \times 10 \text{ MHz} < f < f_c + 2,5 \times 10 \text{ MHz}$		Not defined	UTRA TDD, 7,68 Mcps option
$f_c - 4 \text{ MHz} < f < f_c + 4 \text{ MHz}$		Not defined	UTRA TDD, 1,28 Mcps option cdma2000, spreading rate 1
$f_c - 500 \text{ kHz} < f < f_c + 500 \text{ kHz}$		Not defined	UWC 136, 200 kHz option
$f_c - 250 \text{ kHz} < f < f_c + 250 \text{ kHz}$		Not defined	UWC 136, 30 kHz option

NOTE: f_c is the UE transmit centre frequency.

7.1.3 EUT Operation Condition

The EUT was programmed to be in continuously transmitting mode.



7.1.4 Test Method

Whenever possible the test site should be a fully anechoic chamber simulating the free-space conditions. EUT shall be placed on a non-conducting support. Mean power of any spurious components shall be detected by the test antenna and measuring receiver (e.g. a spectrum analyser).

At each frequency at which a component is detected, the EUT shall be rotated to obtain maximum response, and the effective radiated power (e.r.p.) of that component determined by a substitution measurement, which shall be the reference method. The measurement shall be repeated with the test antenna in the orthogonal polarization plane.

NOTE: Effective radiated power (e.r.p.) refers to the radiation of a half wave tuned dipole instead of an isotropic

antenna. There is a constant difference of 2,15 dB between e.i.r.p. and e.r.p.

$\text{e.r.p. (dBm)} = \text{e.i.r.p. (dBm)} - 2,15$ (ITU-R Recommendation SM.329-10 [3], annex 1).

Measurements are made with a tuned dipole antenna or a reference antenna with a known gain referenced to an

isotropic antenna. Unless otherwise stated, all measurements are done as mean power (RMS).

If a different test site or method is used, this shall be stated in the test report. The results shall be converted to the

reference method values and the validity of the conversion shall be demonstrated.

Traffic Mode

Frequency range	Max. measure value (dBm)	Test result
30MHz to 1GHz	<-36	Pass
1GHz to 12.75GHz	<-30	Pass

Idle Mode

Frequency range	Max. measure value (dBm)	Test result
30MHz to 1GHz	<-57	Pass
1GHz to 12.75GHz	<-47	Pass

Measurement uncertainty	between 30 MHz and 180 MHz	+/-5.0dB
	between 180 MHz and 12,75 GHz	+/-3.0dB

Please refer to the following test data



7.1.5 Measurement Record

LTE Band 1

Idle Mode

Frequency	Receiver Reading	Turn table Angle	RX Antenna		Substituted			Absolute Level	Result	
			Height	Polar	SG Level	Cable	Antenna Gain		Limit	Margin
(MHz)	(dBμV)	Degree	(m)	(H/V)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)
Low Channel(1922.5MHz)										
197.56	27.27	123	1.4	H	-81.72	1.98	9.52	-74.18	-57	-17.18
197.56	29.15	5	1.1	V	-77.64	1.98	9.52	-70.10	-57	-13.10
2044.21	24.67	346	1.6	H	-89.10	5.99	26.25	-68.84	-47	-21.84
2044.21	30.00	273	1.7	V	-83.01	5.99	26.25	-62.75	-47	-15.75
Middle Channel(1950.0MHz)										
197.56	28.01	340	1.2	H	-80.98	1.98	9.52	-73.44	-57	-16.44
197.56	28.19	316	1.7	V	-78.60	1.98	9.52	-71.06	-57	-14.06
2044.21	23.72	312	1.5	H	-90.05	5.99	26.25	-69.79	-47	-22.79
2044.21	28.70	316	1.6	V	-84.31	5.99	26.25	-64.05	-47	-17.05
High Channel(1977.5MHz)										
197.56	27.97	241	1.5	H	-81.02	1.98	9.52	-73.48	-57	-16.48
197.56	26.34	129	1.2	V	-80.45	1.98	9.52	-72.91	-57	-15.91
2044.21	23.87	176	1.3	H	-89.90	5.99	26.25	-69.64	-47	-22.64
2044.21	29.30	334	1.5	V	-83.71	5.99	26.25	-63.45	-47	-16.45
Note: Absolute Level = SG Level - Cable Loss + Antenna Gain Margin = Absolute Level - Limit										



Traffic Mode

Frequency	Receiver Reading	Turn table Angle	RX Antenna		Substituted			Absolute Level	Result	
			Height	Polar	SG Level	Cable	Antenna Gain		Limit	Margin
(MHz)	(dBμV)	Degree	(m)	(H/V)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)
Low Channel(1922.5MHz)										
188.35	47.31	96	1.6	H	-62.80	1.86	11.91	-52.75	-36	-16.75
188.35	50.93	197	1.5	V	-56.53	1.86	11.91	-46.48	-36	-10.48
3845.00	38.59	279	2.0	H	-72.26	5.28	30.00	-47.54	-30	-17.54
3845.00	40.32	169	1.9	V	-68.99	5.28	30.00	-44.27	-30	-14.27
5767.50	26.19	114	1.6	H	-82.90	6.52	31.70	-57.72	-30	-27.72
5767.50	30.16	92	1.1	V	-78.24	6.52	31.70	-53.06	-30	-23.06
Middle Channel(1950.0MHz)										
188.35	46.98	191	1.5	H	-63.13	1.86	11.91	-53.08	-36	-17.08
188.35	51.63	200	1.4	V	-55.83	1.86	11.91	-45.78	-36	-9.78
3900.00	37.67	116	1.1	H	-73.50	5.28	30.00	-48.78	-30	-18.78
3900.00	40.32	241	1.6	V	-69.40	5.28	30.00	-44.68	-30	-14.68
5850.00	26.77	152	1.3	H	-81.70	6.52	31.70	-56.52	-30	-26.52
5850.00	29.88	260	1.5	V	-78.36	6.52	31.70	-53.18	-30	-23.18
High Channel(1977.5MHz)										
188.35	47.52	117	1.5	H	-62.59	1.86	11.91	-52.54	-36	-16.54
188.35	52.41	248	1.1	V	-55.05	1.86	11.91	-45.00	-36	-9.00
3955.00	36.81	73	1.4	H	-74.68	5.23	29.60	-50.31	-30	-20.31
3955.00	40.40	163	1.5	V	-69.73	5.23	29.60	-45.36	-30	-15.36
5932.50	25.87	96	1.4	H	-82.60	6.64	32.60	-56.64	-30	-26.64
5932.50	30.40	124	1.5	V	-77.84	6.64	32.60	-51.88	-30	-21.88
Note: Absolute Level = SG Level - Cable Loss + Antenna Gain Margin = Absolute Level - Limit										



LTE Band 3

Idle Mode

Frequency	Receiver Reading	Turn table Angle	RX Antenna		Substituted			Absolute Level	Result	
			Height	Polar	SG Level	Cable	Antenna Gain		Limit	Margin
(MHz)	(dBμV)	Degree	(m)	(H/V)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)
Low Channel(1710.7MHz)										
271.36	25.53	201	1.1	H	-83.46	2.24	11.57	-74.13	-57	-17.13
271.36	27.12	294	1.5	V	-79.67	2.24	11.57	-70.34	-57	-13.34
1987.13	25.80	281	1.6	H	-87.97	5.92	26.05	-67.84	-47	-20.84
1987.13	30.29	233	1.6	V	-82.72	5.92	26.05	-62.59	-47	-15.59
Middle Channel(1747.5MHz)										
271.36	26.12	215	1.5	H	-82.87	2.24	11.57	-73.54	-57	-16.54
271.36	26.93	140	1.6	V	-79.86	2.24	11.57	-70.53	-57	-13.53
1987.13	26.57	236	1.4	H	-87.20	5.92	26.05	-67.07	-47	-20.07
1987.13	30.59	277	1.7	V	-82.42	5.92	26.05	-62.29	-47	-15.29
High Channel(1784.3MHz)										
271.36	26.61	323	1.0	H	-82.38	2.24	11.57	-73.05	-57	-16.05
271.36	27.49	256	2.0	V	-79.30	2.24	11.57	-69.97	-57	-12.97
1987.13	26.34	53	1.3	H	-87.43	5.92	26.05	-67.30	-47	-20.30
1987.13	30.16	152	1.8	V	-82.85	5.92	26.05	-62.72	-47	-15.72
Note: Absolute Level = SG Level - Cable Loss + Antenna Gain Margin = Absolute Level - Limit										



Traffic Mode

Frequency	Receiver Reading	Turn table Angle	RX Antenna		Substituted			Absolute Level	Result	
			Height	Polar	SG Level	Cable	Antenna Gain		Limit	Margin
(MHz)	(dBμV)	Degree	(m)	(H/V)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)
Low Channel(1710.7MHz)										
317.12	45.55	216	1.2	H	-64.56	2.41	12.89	-54.08	-36	-18.08
317.12	46.42	269	2.0	V	-61.04	2.41	12.89	-50.56	-36	-14.56
3421.40	42.69	188	1.4	H	-70.36	5.49	28.80	-47.05	-30	-17.05
3421.40	45.83	265	1.3	V	-65.32	5.49	28.80	-42.01	-30	-12.01
5132.10	27.80	275	1.3	H	-81.61	6.45	30.90	-57.16	-30	-27.16
5132.10	31.54	323	1.3	V	-77.23	6.45	30.90	-52.78	-30	-22.78
Middle Channel(1747.5MHz)										
317.12	44.92	36	1.3	H	-65.19	2.41	12.89	-54.71	-36	-18.71
317.12	45.75	105	1.7	V	-61.71	2.41	12.89	-51.23	-36	-15.23
3495.00	43.25	30	1.5	H	-67.92	5.49	28.80	-44.61	-30	-14.61
3495.00	46.46	45	1.2	V	-63.26	5.49	28.80	-39.95	-30	-9.95
5242.50	28.77	203	1.2	H	-79.70	6.45	30.90	-55.25	-30	-25.25
5242.50	31.01	320	1.7	V	-77.23	6.45	30.90	-52.78	-30	-22.78
High Channel(1784.3MHz)										
317.12	43.95	328	1.5	H	-66.16	2.41	12.89	-55.68	-36	-19.68
317.12	45.95	18	1.4	V	-61.51	2.41	12.89	-51.03	-36	-15.03
3568.60	44.13	12	1.8	H	-67.36	5.34	29.40	-43.30	-30	-13.30
3568.60	46.93	331	1.6	V	-63.20	5.34	29.40	-39.14	-30	-9.14
5352.90	29.77	33	1.8	H	-78.70	6.31	31.80	-53.21	-30	-23.21
5352.90	31.12	126	1.2	V	-77.12	6.31	31.80	-51.63	-30	-21.63
Note: Absolute Level = SG Level - Cable Loss + Antenna Gain Margin = Absolute Level - Limit										



LTE Band 5

Idle Mode

Frequency	Receiver Reading	Turn table Angle	RX Antenna		Substituted			Absolute Level	Result	
			Height	Polar	SG Level	Cable	Antenna Gain		Limit	Margin
(MHz)	(dBμV)	Degree	(m)	(H/V)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)
Low Channel(824.7MHz)										
264.79	23.99	285	1.2	H	-85.00	2.24	11.57	-75.67	-57	-18.67
264.79	28.48	173	1.9	V	-78.31	2.24	11.57	-68.98	-57	-11.98
1892.35	29.63	234	1.6	H	-84.14	5.92	26.05	-64.01	-47	-17.01
1892.35	22.67	343	1.7	V	-90.34	5.92	26.05	-70.21	-47	-23.21
Middle Channel(836.5MHz)										
264.79	24.65	180	1.9	H	-84.34	2.24	11.57	-75.01	-57	-18.01
264.79	28.90	26	1.0	V	-77.89	2.24	11.57	-68.56	-57	-11.56
1892.35	30.55	200	1.2	H	-83.22	5.92	26.05	-63.09	-47	-16.09
1892.35	22.89	181	1.3	V	-90.12	5.92	26.05	-69.99	-47	-22.99
High Channel(848.3MHz)										
264.79	24.91	225	1.2	H	-84.08	2.24	11.57	-74.75	-57	-17.75
264.79	29.47	181	1.0	V	-77.32	2.24	11.57	-67.99	-57	-10.99
1892.35	31.21	178	1.3	H	-82.56	5.92	26.05	-62.43	-47	-15.43
1892.35	22.85	140	2.0	V	-90.16	5.92	26.05	-70.03	-47	-23.03
Note: Absolute Level = SG Level - Cable Loss + Antenna Gain Margin = Absolute Level - Limit										



Traffic Mode

Frequency	Receiver Reading	Turn table Angle	RX Antenna		Substituted			Absolute Level	Result	
			Height	Polar	SG Level	Cable	Antenna Gain		Limit	Margin
(MHz)	(dBμV)	Degree	(m)	(H/V)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)
Low Channel(824.7MHz)										
202.58	53.09	11	2.1	H	-57.42	2.01	9.40	-50.03	-36	-14.03
202.58	57.88	185	2.0	V	-49.71	2.01	9.40	-42.32	-36	-6.32
1649.40	60.01	316	1.6	H	-53.04	5.22	24.80	-33.46	-30	-3.46
1649.40	62.81	343	2.0	V	-58.34	5.22	24.80	-38.76	-30	-8.76
2474.10	39.46	123	1.7	H	-69.95	5.61	27.80	-47.76	-30	-17.76
2474.10	43.05	322	1.6	V	-65.72	5.61	27.80	-43.53	-30	-13.53
Middle Channel(836.5MHz)										
202.58	50.25	55	2.1	H	-60.26	2.01	9.40	-52.87	-36	-16.87
202.58	54.84	9	1.8	V	-52.75	2.01	9.40	-45.36	-36	-9.36
1673.00	58.72	85	1.8	H	-54.33	5.22	24.80	-34.75	-30	-4.75
1673.00	60.34	219	1.7	V	-57.81	5.22	24.80	-38.23	-30	-8.23
2509.50	38.61	351	1.8	H	-70.80	5.61	27.80	-48.61	-30	-18.61
2509.50	44.20	359	1.3	V	-64.57	5.61	27.80	-42.38	-30	-12.38
High Channel(848.3MHz)										
202.58	53.43	211	2.1	H	-57.08	2.01	9.40	-49.69	-36	-13.69
202.58	59.09	62	2.0	V	-48.50	2.01	9.40	-41.11	-36	-5.11
1696.60	61.41	60	1.2	H	-51.64	5.22	24.80	-32.06	-30	-2.06
1696.60	64.28	163	2.2	V	-56.87	5.22	24.80	-37.29	-30	-7.29
2544.90	40.05	52	1.3	H	-69.36	5.61	27.80	-47.17	-30	-17.17
2544.90	43.83	292	1.1	V	-64.94	5.61	27.80	-42.75	-30	-12.75
Note: Absolute Level = SG Level - Cable Loss + Antenna Gain Margin = Absolute Level - Limit										



LTE Band 7

Idle Mode

Frequency	Receiver Reading	Turn table Angle	RX Antenna		Substituted			Absolute Level	Result	
			Height	Polar	SG Level	Cable	Antenna Gain		Limit	Margin
(MHz)	(dBμV)	Degree	(m)	(H/V)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)
Low Channel(2502.5MHz)										
304.87	21.84	199	1.6	H	-87.15	2.41	12.75	-76.81	-57	-19.81
304.87	25.68	209	1.7	V	-81.11	2.41	12.75	-70.77	-57	-13.77
2877.15	20.77	59	1.1	H	-93.00	5.34	28.31	-70.03	-47	-23.03
2877.15	25.91	80	1.0	V	-87.10	5.34	28.31	-64.13	-47	-17.13
Middle Channel(2535.0MHz)										
304.87	22.02	228	1.4	H	-86.97	2.41	12.75	-76.63	-57	-19.63
304.87	24.69	192	1.1	V	-82.10	2.41	12.75	-71.76	-57	-14.76
2877.15	19.98	94	1.9	H	-93.79	5.34	28.31	-70.82	-47	-23.82
2877.15	25.37	24	2.0	V	-87.64	5.34	28.31	-64.67	-47	-17.67
High Channel(2567.5MHz)										
304.87	21.29	271	1.5	H	-87.70	2.41	12.75	-77.36	-57	-20.36
304.87	24.50	56	1.2	V	-82.29	2.41	12.75	-71.95	-57	-14.95
2877.15	19.09	254	1.8	H	-94.68	5.34	28.31	-71.71	-47	-24.71
2877.15	25.09	119	1.6	V	-87.92	5.34	28.31	-64.95	-47	-17.95
Note: Absolute Level = SG Level - Cable Loss + Antenna Gain Margin = Absolute Level - Limit										



Traffic Mode

Frequency	Receiver Reading	Turn table Angle	RX Antenna		Substituted			Absolute Level	Result	
			Height	Polar	SG Level	Cable	Antenna Gain		Limit	Margin
(MHz)	(dBμV)	Degree	(m)	(H/V)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)
Low Channel(2502.5MHz)										
269.45	46.92	271	1.9	H	-63.19	2.29	12.35	-53.13	-36	-17.13
269.45	48.52	112	1.1	V	-58.94	2.29	12.35	-48.88	-36	-12.88
5005.00	35.71	87	1.1	H	-73.53	6.51	31.50	-48.54	-30	-18.54
5005.00	39.43	288	1.3	V	-69.34	6.51	31.50	-44.35	-30	-14.35
7507.50	22.97	163	1.4	H	-82.27	8.08	37.00	-53.35	-30	-23.35
7507.50	27.89	331	1.1	V	-76.28	8.08	37.00	-47.36	-30	-17.36
Middle Channel(2535.0MHz)										
269.45	47.33	12	1.9	H	-62.78	2.29	12.35	-52.72	-36	-16.72
269.45	48.50	125	1.7	V	-58.96	2.29	12.35	-48.90	-36	-12.90
5070.00	34.95	307	1.9	H	-74.46	6.51	31.50	-49.47	-30	-19.47
5070.00	38.70	250	1.5	V	-70.07	6.51	31.50	-45.08	-30	-15.08
7605.00	22.41	135	1.6	H	-81.98	8.08	37.00	-53.06	-30	-23.06
7605.00	28.06	5	1.7	V	-75.46	8.08	37.00	-46.54	-30	-16.54
High Channel(2567.5MHz)										
269.45	46.48	333	1.5	H	-63.63	2.29	12.35	-53.57	-36	-17.57
269.45	48.65	98	1.7	V	-58.81	2.29	12.35	-48.75	-36	-12.75
5135.00	36.88	318	1.5	H	-74.61	6.45	30.90	-50.16	-30	-20.16
5135.00	38.69	65	1.1	V	-71.44	6.45	30.90	-46.99	-30	-16.99
7702.50	23.47	278	1.9	H	-80.75	8.25	35.90	-53.10	-30	-23.10
7702.50	27.51	201	1.8	V	-75.96	8.25	35.90	-48.31	-30	-18.31
Note: Absolute Level = SG Level - Cable Loss + Antenna Gain Margin = Absolute Level - Limit										



LTE Band 8

Idle Mode

Frequency	Receiver Reading	Turn table Angle	RX Antenna		Substituted			Absolute Level	Result	
			Height	Polar	SG Level	Cable	Antenna Gain		Limit	Margin
(MHz)	(dBμV)	Degree	(m)	(H/V)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)
Low Channel(880.7MHz)										
194.24	24.59	174	1.9	H	-84.40	1.86	11.92	-74.34	-57	-17.34
194.24	28.19	118	1.2	V	-78.60	1.86	11.92	-68.54	-57	-11.54
2605.79	23.34	342	1.3	H	-90.43	5.48	27.54	-68.37	-47	-21.37
2605.79	28.47	49	1.2	V	-84.54	5.48	27.54	-62.48	-47	-15.48
Middle Channel(897.5MHz)										
194.24	24.64	75	1.2	H	-84.35	1.86	11.92	-74.29	-57	-17.29
194.24	28.77	2	1.3	V	-78.02	1.86	11.92	-67.96	-57	-10.96
2605.79	23.69	359	1.9	H	-90.08	5.48	27.54	-68.02	-47	-21.02
2605.79	28.75	64	1.4	V	-84.26	5.48	27.54	-62.20	-47	-15.20
High Channel(914.3MHz)										
194.24	24.82	46	1.9	H	-84.17	1.86	11.92	-74.11	-57	-17.11
194.24	29.05	342	1.5	V	-77.74	1.86	11.92	-67.68	-57	-10.68
2605.79	23.90	245	1.3	H	-89.87	5.48	27.54	-67.81	-47	-20.81
2605.79	29.69	277	1.5	V	-83.32	5.48	27.54	-61.26	-47	-14.26
Note: Absolute Level = SG Level - Cable Loss + Antenna Gain Margin = Absolute Level - Limit										



Traffic Mode

Frequency	Receiver Reading	Turn table Angle	RX Antenna		Substituted			Absolute Level	Result	
			Height	Polar	SG Level	Cable	Antenna Gain		Limit	Margin
(MHz)	(dBμV)	Degree	(m)	(H/V)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)
Low Channel(880.7MHz)										
211.58	46.76	194	1.7	H	-63.35	2.08	10.26	-55.17	-36	-19.17
211.58	49.27	228	1.8	V	-58.19	2.08	10.26	-50.01	-36	-14.01
1761.40	43.62	66	1.5	H	-70.62	5.68	25.20	-51.10	-30	-21.10
1761.40	48.31	167	1.9	V	-65.46	5.68	25.20	-45.94	-30	-15.94
2642.10	35.43	25	1.5	H	-75.81	5.46	27.50	-53.77	-30	-23.77
2642.10	38.17	157	1.8	V	-72.00	5.46	27.50	-49.96	-30	-19.96
Middle Channel(897.5MHz)										
211.58	46.93	357	1.7	H	-63.18	2.08	10.26	-55.00	-36	-19.00
211.58	49.27	218	1.0	V	-58.19	2.08	10.26	-50.01	-36	-14.01
1795.00	44.05	87	1.2	H	-70.36	5.68	25.20	-50.84	-30	-20.84
1795.00	47.96	220	1.4	V	-65.81	5.68	25.20	-46.29	-30	-16.29
2692.50	35.12	120	1.3	H	-76.27	5.46	27.50	-54.23	-30	-24.23
2692.50	37.72	128	1.5	V	-72.80	5.46	27.50	-50.76	-30	-20.76
High Channel(914.3MHz)										
211.58	47.31	338	1.8	H	-62.80	2.08	10.26	-54.62	-36	-18.62
211.58	50.17	187	1.3	V	-57.29	2.08	10.26	-49.11	-36	-13.11
1828.60	44.37	189	1.5	H	-70.12	5.68	25.20	-50.60	-30	-20.60
1828.60	48.85	346	1.3	V	-64.28	5.68	25.20	-44.76	-30	-14.76
2742.90	35.83	189	1.1	H	-75.39	5.32	28.30	-52.41	-30	-22.41
2742.90	38.10	327	1.5	V	-72.37	5.32	28.30	-49.39	-30	-19.39
Note: Absolute Level = SG Level - Cable Loss + Antenna Gain Margin = Absolute Level - Limit										



LTE Band 20

Idle Mode

Frequency	Receiver Reading	Turn table Angle	RX Antenna		Substituted			Absolute Level	Result	
			Height	Polar	SG Level	Cable	Antenna Gain		Limit	Margin
(MHz)	(dBμV)	Degree	(m)	(H/V)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)
Low Channel(834.5MHz)										
302.56	22.17	91	1.9	H	-86.82	2.34	12.61	-76.55	-57	-19.55
302.56	24.64	357	1.8	V	-82.15	2.34	12.61	-71.88	-57	-14.88
2247.33	23.35	62	1.2	H	-90.42	5.87	28.12	-68.17	-47	-21.17
2247.33	29.96	14	1.4	V	-83.05	5.87	28.12	-60.80	-47	-13.80
Middle Channel(847.0MHz)										
302.56	21.24	272	1.2	H	-87.75	2.34	12.61	-77.48	-57	-20.48
302.56	25.31	195	1.6	V	-81.48	2.34	12.61	-71.21	-57	-14.21
2247.33	24.13	293	1.6	H	-89.64	5.87	28.12	-67.39	-47	-20.39
2247.33	30.35	341	1.4	V	-82.66	5.87	28.12	-60.41	-47	-13.41
High Channel(859.5MHz)										
302.56	21.89	306	1.6	H	-87.10	2.34	12.61	-76.83	-57	-19.83
302.56	25.14	263	1.9	V	-81.65	2.34	12.61	-71.38	-57	-14.38
2247.33	24.40	76	1.2	H	-89.37	5.87	28.12	-67.12	-47	-20.12
2247.33	30.27	301	1.2	V	-82.74	5.87	28.12	-60.49	-47	-13.49
Note: Absolute Level = SG Level - Cable Loss + Antenna Gain Margin = Absolute Level - Limit										



Traffic Mode

Frequency	Receiver Reading	Turn table Angle	RX Antenna		Substituted			Absolute Level	Result	
			Height	Polar	SG Level	Cable	Antenna Gain		Limit	Margin
(MHz)	(dBμV)	Degree	(m)	(H/V)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)
Low Channel(834.5MHz)										
150.28	44.96	280	1.7	H	-65.15	1.63	13.05	-53.73	-36	-17.73
150.28	47.02	39	1.4	V	-60.44	1.63	13.05	-49.02	-36	-13.02
1669.00	44.68	146	1.9	H	-64.56	5.22	24.80	-44.98	-30	-14.98
1669.00	38.92	250	1.6	V	-69.85	5.22	24.80	-50.27	-30	-20.27
2503.50	29.10	295	1.4	H	-76.14	5.46	27.50	-54.10	-30	-24.10
2503.50	34.23	238	1.9	V	-69.94	5.46	27.50	-47.90	-30	-17.90
Middle Channel(847.0MHz)										
150.28	45.06	276	1.3	H	-65.05	1.63	13.05	-53.63	-36	-17.63
150.28	47.17	144	1.4	V	-60.29	1.63	13.05	-48.87	-36	-12.87
1694.00	45.24	175	1.8	H	-64.17	5.22	24.80	-44.59	-30	-14.59
1694.00	39.47	303	1.3	V	-69.30	5.22	24.80	-49.72	-30	-19.72
2541.00	29.76	338	1.8	H	-74.63	5.46	27.50	-52.59	-30	-22.59
2541.00	33.46	131	1.6	V	-70.06	5.46	27.50	-48.02	-30	-18.02
High Channel(859.5MHz)										
150.28	45.20	20	1.8	H	-64.91	1.63	13.05	-53.49	-36	-17.49
150.28	47.81	307	1.5	V	-59.65	1.63	13.05	-48.23	-36	-12.23
1719.00	44.65	25	1.5	H	-66.84	5.22	24.80	-47.26	-30	-17.26
1719.00	39.04	157	1.1	V	-71.09	5.22	24.80	-51.51	-30	-21.51
2578.50	29.00	168	1.4	H	-75.22	5.46	27.50	-53.18	-30	-23.18
2578.50	33.67	315	1.1	V	-69.80	5.46	27.50	-47.76	-30	-17.76
Note: Absolute Level = SG Level - Cable Loss + Antenna Gain Margin = Absolute Level - Limit										



LTE Band 28

Idle Mode

Frequency	Receiver Reading	Turn table Angle	RX Antenna		Substituted			Absolute Level	Result	
			Height	Polar	SG Level	Cable	Antenna Gain		Limit	Margin
(MHz)	(dBμV)	Degree	(m)	(H/V)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)
Low Channel(704.5MHz)										
260.52	26.54	232	1.0	H	-82.45	2.28	11.51	-73.22	-57	-16.22
260.52	27.99	5	1.4	V	-78.80	2.28	11.51	-69.57	-57	-12.57
2894.35	26.38	29	1.8	H	-87.39	5.26	28.43	-64.22	-47	-17.22
2894.35	30.59	43	1.4	V	-82.42	5.26	28.43	-59.25	-47	-12.25
Middle Channel(719.5MHz)										
260.52	27.03	21	1.6	H	-81.96	2.28	11.51	-72.73	-57	-15.73
260.52	28.06	187	1.2	V	-78.73	2.28	11.51	-69.50	-57	-12.50
2894.35	26.43	277	1.7	H	-87.34	5.26	28.43	-64.17	-47	-17.17
2894.35	30.96	312	1.8	V	-82.05	5.26	28.43	-58.88	-47	-11.88
High Channel(746.5MHz)										
260.52	27.95	77	1.0	H	-81.04	2.28	11.51	-71.81	-57	-14.81
260.52	28.83	318	1.2	V	-77.96	2.28	11.51	-68.73	-57	-11.73
2894.35	27.09	344	1.2	H	-86.68	5.26	28.43	-63.51	-47	-16.51
2894.35	30.41	32	1.7	V	-82.60	5.26	28.43	-59.43	-47	-12.43
Note: Absolute Level = SG Level - Cable Loss + Antenna Gain Margin = Absolute Level - Limit										



Traffic Mode

Frequency	Receiver Reading	Turn table Angle	RX Antenna		Substituted			Absolute Level	Result	
			Height	Polar	SG Level	Cable	Antenna Gain		Limit	Margin
(MHz)	(dBμV)	Degree	(m)	(H/V)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)
Low Channel(704.5MHz)										
238.22	49.43	356	1.9	H	-60.68	2.16	11.11	-51.73	-36	-15.73
238.22	39.77	148	1.7	V	-67.69	2.16	11.11	-58.74	-36	-22.74
1409.00	42.00	204	2.0	H	-67.24	4.50	25.20	-46.54	-30	-16.54
1409.00	45.39	349	1.2	V	-63.38	4.50	25.20	-42.68	-30	-12.68
2113.50	26.29	207	1.1	H	-78.95	5.83	28.20	-56.58	-30	-26.58
2113.50	31.12	34	2.0	V	-73.05	5.83	28.20	-50.68	-30	-20.68
Middle Channel(719.5MHz)										
238.22	50.10	120	1.3	H	-60.01	2.16	11.11	-51.06	-36	-15.06
238.22	40.20	125	1.0	V	-67.26	2.16	11.11	-58.31	-36	-22.31
1439.00	43.00	203	1.5	H	-66.41	4.50	25.20	-45.71	-30	-15.71
1439.00	44.93	141	1.8	V	-63.84	4.50	25.20	-43.14	-30	-13.14
2158.50	26.79	48	1.3	H	-77.60	5.83	28.20	-55.23	-30	-25.23
2158.50	30.97	122	1.4	V	-72.55	5.83	28.20	-50.18	-30	-20.18
High Channel(746.5MHz)										
238.22	50.41	228	1.3	H	-59.70	2.16	11.11	-50.75	-36	-14.75
238.22	39.28	125	1.1	V	-68.18	2.16	11.11	-59.23	-36	-23.23
1493.00	43.01	350	1.9	H	-68.48	4.50	25.20	-47.78	-30	-17.78
1493.00	44.89	132	1.5	V	-65.24	4.50	25.20	-44.54	-30	-14.54
2239.50	27.23	62	1.0	H	-76.99	5.83	28.20	-54.62	-30	-24.62
2239.50	29.98	201	1.7	V	-73.49	5.83	28.20	-51.12	-30	-21.12
Note: Absolute Level = SG Level - Cable Loss + Antenna Gain Margin = Absolute Level - Limit										



LTE Band 34

Idle Mode

Frequency	Receiver Reading	Turn table Angle	RX Antenna		Substituted			Absolute Level	Result	
			Height	Polar	SG Level	Cable	Antenna Gain		Limit	Margin
(MHz)	(dBμV)	Degree	(m)	(H/V)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)
Low Channel(2012.5MHz)										
167.29	20.85	35	1.9	H	-88.14	1.70	13.30	-76.54	-57	-19.54
167.29	22.97	125	1.7	V	-83.82	1.70	13.30	-72.22	-57	-15.22
2770.45	26.72	238	1.4	H	-87.05	5.32	28.30	-64.07	-47	-17.07
2770.45	29.53	337	1.5	V	-83.48	5.32	28.30	-60.50	-47	-13.50
Middle Channel(2017.5MHz)										
167.29	20.87	156	1.9	H	-88.12	1.70	13.30	-76.52	-57	-19.52
167.29	23.18	38	1.2	V	-83.61	1.70	13.30	-72.01	-57	-15.01
2770.45	26.32	346	1.7	H	-87.45	5.32	28.30	-64.47	-47	-17.47
2770.45	29.68	312	1.5	V	-83.33	5.32	28.30	-60.35	-47	-13.35
High Channel(2022.5MHz)										
167.29	20.72	144	1.4	H	-88.27	1.70	13.30	-76.67	-57	-19.67
167.29	23.00	166	1.1	V	-83.79	1.70	13.30	-72.19	-57	-15.19
2770.45	26.94	92	1.6	H	-86.83	5.32	28.30	-63.85	-47	-16.85
2770.45	28.80	313	1.5	V	-84.21	5.32	28.30	-61.23	-47	-14.23
Note: Absolute Level = SG Level - Cable Loss + Antenna Gain Margin = Absolute Level - Limit										



Traffic Mode

Frequency	Receiver Reading	Turn table Angle	RX Antenna		Substituted			Absolute Level	Result	
			Height	Polar	SG Level	Cable	Antenna Gain		Limit	Margin
(MHz)	(dBμV)	Degree	(m)	(H/V)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)
Low Channel(2012.5MHz)										
279.12	45.39	147	2.0	H	-64.72	2.39	12.70	-54.41	-36	-18.41
279.12	45.36	91	1.7	V	-62.10	2.39	12.70	-51.79	-36	-15.79
4025.00	38.65	279	1.5	H	-70.59	5.23	29.60	-46.22	-30	-16.22
4025.00	41.40	78	1.7	V	-67.37	5.23	29.60	-43.00	-30	-13.00
6037.50	24.61	72	1.7	H	-80.63	6.64	32.60	-54.67	-30	-24.67
6037.50	31.44	217	1.6	V	-72.73	6.64	32.60	-46.77	-30	-16.77
Middle Channel(2017.5MHz)										
279.12	44.55	42	1.1	H	-65.56	2.39	12.70	-55.25	-36	-19.25
279.12	46.38	221	1.4	V	-61.08	2.39	12.70	-50.77	-36	-14.77
4035.00	38.81	102	1.9	H	-70.60	5.23	29.60	-46.23	-30	-16.23
4035.00	41.07	186	1.3	V	-67.70	5.23	29.60	-43.33	-30	-13.33
6052.50	23.81	194	1.0	H	-80.58	6.64	32.60	-54.62	-30	-24.62
6052.50	31.15	239	1.4	V	-72.37	6.64	32.60	-46.41	-30	-16.41
High Channel(2022.5MHz)										
279.12	45.27	45	1.4	H	-64.84	2.39	12.70	-54.53	-36	-18.53
279.12	47.20	62	1.2	V	-60.26	2.39	12.70	-49.95	-36	-13.95
4045.00	37.68	160	1.5	H	-73.81	5.23	29.60	-49.44	-30	-19.44
4045.00	43.14	93	1.3	V	-66.99	5.23	29.60	-42.62	-30	-12.62
6067.50	24.83	57	1.2	H	-79.39	6.64	32.60	-53.43	-30	-23.43
6067.50	30.27	68	1.6	V	-73.20	6.64	32.60	-47.24	-30	-17.24
Note: Absolute Level = SG Level - Cable Loss + Antenna Gain Margin = Absolute Level - Limit										



LTE Band 38

Idle Mode

Frequency	Receiver Reading	Turn table Angle	RX Antenna		Substituted			Absolute Level	Result	
			Height	Polar	SG Level	Cable	Antenna Gain		Limit	Margin
(MHz)	(dBμV)	Degree	(m)	(H/V)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)
Low Channel(2572.5MHz)										
408.71	21.96	222	1.4	H	-87.03	2.56	14.72	-74.87	-57	-17.87
408.71	25.72	95	1.2	V	-81.07	2.56	14.72	-68.91	-57	-11.91
3622.18	20.84	201	1.7	H	-92.93	5.25	28.62	-69.56	-47	-22.56
3622.18	25.61	178	1.7	V	-87.40	5.25	28.62	-64.03	-47	-17.03
Middle Channel(2595.0MHz)										
408.71	21.70	125	1.8	H	-87.29	2.56	14.72	-75.13	-57	-18.13
408.71	24.86	122	1.7	V	-81.93	2.56	14.72	-69.77	-57	-12.77
3622.18	20.21	26	1.0	H	-93.56	5.25	28.62	-70.19	-47	-23.19
3622.18	25.10	145	1.1	V	-87.91	5.25	28.62	-64.54	-47	-17.54
High Channel(2617.5MHz)										
408.71	22.66	1	1.7	H	-86.33	2.56	14.72	-74.17	-57	-17.17
408.71	24.20	236	2.0	V	-82.59	2.56	14.72	-70.43	-57	-13.43
3622.18	19.91	8	1.0	H	-93.86	5.25	28.62	-70.49	-47	-23.49
3622.18	24.12	11	2.0	V	-88.89	5.25	28.62	-65.52	-47	-18.52
Note: Absolute Level = SG Level - Cable Loss + Antenna Gain Margin = Absolute Level - Limit										



Traffic Mode

Frequency	Receiver Reading	Turn table Angle	RX Antenna		Substituted			Absolute Level	Result	
			Height	Polar	SG Level	Cable	Antenna Gain		Limit	Margin
(MHz)	(dBμV)	Degree	(m)	(H/V)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)
Low Channel(2572.5MHz)										
390.46	44.29	3	2.0	H	-65.82	2.51	14.36	-53.97	-36	-17.97
390.46	45.78	253	1.3	V	-61.68	2.51	14.36	-49.83	-36	-13.83
5145.00	32.58	341	1.4	H	-76.66	6.45	30.90	-52.21	-30	-22.21
5145.00	35.69	84	1.3	V	-73.08	6.45	30.90	-48.63	-30	-18.63
7717.50	26.25	288	1.4	H	-78.99	8.25	35.90	-51.34	-30	-21.34
7717.50	31.23	70	1.6	V	-72.94	8.25	35.90	-45.29	-30	-15.29
Middle Channel(2595.0MHz)										
390.46	44.02	34	1.2	H	-66.09	2.51	14.36	-54.24	-36	-18.24
390.46	45.89	275	1.8	V	-61.57	2.51	14.36	-49.72	-36	-13.72
5190.00	32.66	186	1.2	H	-76.75	6.45	30.90	-52.30	-30	-22.30
5190.00	35.79	83	1.5	V	-72.98	6.45	30.90	-48.53	-30	-18.53
7785.00	26.46	307	1.6	H	-77.93	8.25	35.90	-50.28	-30	-20.28
7785.00	31.32	49	1.4	V	-72.20	8.25	35.90	-44.55	-30	-14.55
High Channel(2617.5MHz)										
390.46	45.70	78	1.7	H	-64.41	2.51	14.36	-52.56	-36	-16.56
390.46	46.83	325	1.2	V	-60.63	2.51	14.36	-48.78	-36	-12.78
5235.00	32.92	290	1.5	H	-78.57	6.45	30.90	-54.12	-30	-24.12
5235.00	37.73	232	1.1	V	-72.40	6.45	30.90	-47.95	-30	-17.95
7852.50	26.40	312	1.2	H	-77.82	8.25	35.90	-50.17	-30	-20.17
7852.50	31.55	346	2.0	V	-71.92	8.25	35.90	-44.27	-30	-14.27
Note: Absolute Level = SG Level - Cable Loss + Antenna Gain Margin = Absolute Level - Limit										



LTE Band 40

Idle Mode

Frequency	Receiver Reading	Turn table Angle	RX Antenna		Substituted			Absolute Level	Result	
			Height	Polar	SG Level	Cable	Antenna Gain		Limit	Margin
(MHz)	(dBμV)	Degree	(m)	(H/V)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)
Low Channel(2302.5MHz)										
209.38	28.24	313	1.2	H	-80.75	2.01	9.40	-73.36	-57	-16.36
209.38	29.61	337	1.9	V	-77.18	2.01	9.40	-69.79	-57	-12.79
2187.25	24.87	97	1.9	H	-88.90	5.98	26.22	-68.66	-47	-21.66
2187.25	28.46	149	1.4	V	-84.55	5.98	26.22	-64.31	-47	-17.31
Middle Channel(2350.0MHz)										
209.38	28.42	301	1.7	H	-80.57	2.01	9.40	-73.18	-57	-16.18
209.38	28.89	49	1.1	V	-77.90	2.01	9.40	-70.51	-57	-13.51
2187.25	24.97	189	1.9	H	-88.80	5.98	26.22	-68.56	-47	-21.56
2187.25	29.34	180	1.8	V	-83.67	5.98	26.22	-63.43	-47	-16.43
High Channel(2397.5MHz)										
209.38	26.63	289	1.1	H	-82.36	2.01	9.40	-74.97	-57	-17.97
209.38	29.48	144	1.0	V	-77.31	2.01	9.40	-69.92	-57	-12.92
2187.25	25.93	156	1.8	H	-87.84	5.98	26.22	-67.60	-47	-20.60
2187.25	28.45	126	1.2	V	-84.56	5.98	26.22	-64.32	-47	-17.32
Note: Absolute Level = SG Level - Cable Loss + Antenna Gain Margin = Absolute Level - Limit										



Traffic Mode

Frequency	Receiver Reading	Turn table Angle	RX Antenna		Substituted			Absolute Level	Result	
			Height	Polar	SG Level	Cable	Antenna Gain		Limit	Margin
(MHz)	(dBμV)	Degree	(m)	(H/V)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)
Low Channel(2302.5MHz)										
402.75	37.39	129	1.3	H	-65.11	2.6	14.58	-53.13	-36	-17.13
402.75	43.25	71	1.0	V	-58.95	2.6	14.58	-46.97	-36	-10.97
4605.00	37.16	141	1.8	H	-73.71	5.85	30.70	-48.86	-30	-18.86
4605.00	41.36	150	1.8	V	-68.29	5.85	30.70	-43.44	-30	-13.44
6907.50	27.25	290	1.2	H	-80.48	7.90	35.10	-53.28	-30	-23.28
6907.50	31.03	159	1.0	V	-75.53	7.90	35.10	-48.33	-30	-18.33
Middle Channel(2350.0MHz)										
402.75	36.74	107	1.1	H	-65.76	2.60	14.58	-53.78	-36	-17.78
402.75	42.93	297	1.7	V	-59.27	2.60	14.58	-47.29	-36	-11.29
4700.00	38.03	255	1.5	H	-72.77	5.85	30.70	-47.92	-30	-17.92
4700.00	42.71	185	1.9	V	-66.87	5.85	30.70	-42.02	-30	-12.02
7050.00	26.21	36	1.3	H	-81.25	7.90	35.10	-54.05	-30	-24.05
7050.00	32.00	5	1.7	V	-74.48	7.90	35.10	-47.28	-30	-17.28
High Channel(2397.5MHz)										
402.75	37.66	116	1.8	H	-64.84	2.60	14.58	-52.86	-36	-16.86
402.75	43.30	279	1.5	V	-58.90	2.60	14.58	-46.92	-36	-10.92
4795.00	37.82	234	1.3	H	-72.90	6.18	31.10	-47.98	-30	-17.98
4795.00	41.85	300	1.1	V	-67.28	6.18	31.10	-42.36	-30	-12.36
7192.50	25.64	300	1.5	H	-81.57	7.90	35.10	-54.37	-30	-24.37
7192.50	31.14	278	1.2	V	-75.04	7.90	35.10	-47.84	-30	-17.84
Note: Absolute Level = SG Level - Cable Loss + Antenna Gain Margin = Absolute Level - Limit										



LTE Band 41

Idle Mode

Frequency	Receiver Reading	Turn table Angle	RX Antenna		Substituted			Absolute Level	Result	
			Height	Polar	SG Level	Cable	Antenna Gain		Limit	Margin
(MHz)	(dBμV)	Degree	(m)	(H/V)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)
Low Channel(2498.5MHz)										
410.58	22.82	271	1.6	H	-86.17	2.61	14.95	-73.83	-57	-16.83
410.58	25.84	354	1.1	V	-80.95	2.61	14.95	-68.61	-57	-11.61
3019.43	29.87	235	1.7	H	-83.90	5.27	28.62	-60.55	-47	-13.55
3019.43	22.36	172	1.9	V	-90.65	5.27	28.62	-67.30	-47	-20.30
Middle Channel(2593MHz)										
410.58	23.76	228	1.8	H	-85.23	2.61	14.95	-72.89	-57	-15.89
410.58	25.83	161	1.5	V	-80.96	2.61	14.95	-68.62	-57	-11.62
3019.43	30.30	144	2.0	H	-83.47	5.27	28.62	-60.12	-47	-13.12
3019.43	21.42	214	1.2	V	-91.59	5.27	28.62	-68.24	-47	-21.24
High Channel(2687.5MHz)										
410.58	22.39	143	1.2	H	-86.60	2.61	14.95	-74.26	-57	-17.26
410.58	26.82	159	1.4	V	-79.97	2.61	14.95	-67.63	-57	-10.63
3019.43	29.22	248	1.7	H	-84.55	5.27	28.62	-61.20	-47	-14.20
3019.43	20.91	313	1.2	V	-92.10	5.27	28.62	-68.75	-47	-21.75
Note: Absolute Level = SG Level - Cable Loss + Antenna Gain Margin = Absolute Level - Limit										



Traffic Mode

Frequency	Receiver Reading	Turn table Angle	RX Antenna		Substituted			Absolute Level	Result	
			Height	Polar	SG Level	Cable	Antenna Gain		Limit	Margin
(MHz)	(dBμV)	Degree	(m)	(H/V)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(dB)
Low Channel(2498.5MHz)										
215.68	48.54	160	1.6	H	-61.57	2.11	10.06	-53.62	-36	-17.62
215.68	50.13	53	1.5	V	-57.33	2.11	10.06	-49.38	-36	-13.38
4997.00	37.45	37	1.7	H	-71.79	6.51	31.50	-46.80	-30	-16.80
4997.00	41.26	15	1.8	V	-67.51	6.51	31.50	-42.52	-30	-12.52
7495.50	24.02	52	1.7	H	-81.22	8.08	37.00	-52.30	-30	-22.30
7495.50	28.93	42	1.7	V	-75.24	8.08	37.00	-46.32	-30	-16.32
Middle Channel(2593MHz)										
215.68	49.21	315	1.3	H	-60.90	2.11	10.06	-52.95	-36	-16.95
215.68	49.54	36	1.8	V	-57.92	2.11	10.06	-49.97	-36	-13.97
5186.00	37.67	252	1.0	H	-71.74	6.45	30.90	-47.29	-30	-17.29
5186.00	40.27	351	1.9	V	-68.50	6.45	30.90	-44.05	-30	-14.05
7779.00	23.14	240	1.1	H	-81.25	8.25	35.90	-53.60	-30	-23.60
7779.00	28.90	316	1.9	V	-74.62	8.25	35.90	-46.97	-30	-16.97
High Channel(2687.5MHz)										
215.68	48.54	24	1.2	H	-61.57	2.11	10.06	-53.62	-36	-17.62
215.68	49.10	306	1.0	V	-58.36	2.11	10.06	-50.41	-36	-14.41
5375.00	37.01	353	1.5	H	-74.48	6.31	31.80	-48.99	-30	-18.99
5375.00	40.27	110	1.1	V	-69.86	6.31	31.80	-44.37	-30	-14.37
8062.50	23.54	217	1.9	H	-80.68	8.41	36.60	-52.49	-30	-22.49
8062.50	28.80	139	1.0	V	-74.67	8.41	36.60	-46.48	-30	-16.48
Note: Absolute Level = SG Level - Cable Loss + Antenna Gain Margin = Absolute Level - Limit										



8 Photographs of test setup and EUT.

Note: Please refer to appendix: Appendix-CVP-0401-Photos.

=====End of Report=====

WALTEK