

FCC Radio Test Report

FCC ID: 2AAGE-B48

This report concerns: Class II Permissive Change

Project No. : 2201H017
Equipment : LTE Module
Brand Name : Vantron
Test Model : VT-MOD-CELL-B48
Series Model : N/A
Applicant : Chengdu Vantron Technology Co., Ltd.
Address : No.5 GaoPeng Road, Hi-Tech Zone, Chengdu, SiChuan, P.R. China
610045
Manufacturer : Chengdu Vantron Technology Co., Ltd.
Address : No.5 GaoPeng Road, Hi-Tech Zone, Chengdu, SiChuan, P.R. China
610045
Date of Receipt : Jan. 10, 2022
Date of Test : Jan. 24, 2022~Mar. 11, 2022
Issued Date : Apr. 12, 2022
Report Version : R00
Test Sample : Engineering Sample No.: SH2022012417 for EUT
Standard(s) : 47 CFR Part 2&Part 96
ANSI/TIA-603-E
ANSI C63.26-2015
FCC KDB 971168 D01 Power Meas License Digital Systems v03r01
FCC KDB 940660 D01 Part 96 CBRS Eqpt v03

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc.

47 CFR Part 2 and FCC KDB 940660 D01 Part 96 CBRS Eqpt v03 are not authorized within the scope of A2LA.

Maker Qi

Prepared by : Maker Qi

Ryan. Wang

Approved by : Ryan Wang



TESTING CERT #5123.03

Add: No. 29, Jintang Road, Tangzhen Industry Park, Pudong New Area, Shanghai 201210, China

TEL: +86-021-61765666

Web: www.newbtl.com

Declaration

BTL represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

BTL's reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. **BTL** shall have no liability for any declarations, inferences or generalizations drawn by the client or others from **BTL** issued reports.

The report must not be used by the client to claim product certification, approval, or endorsement by NIST, A2LA, or any agency of the U.S. Government.

This report is the confidential property of the client. As a mutual protection to the clients, the public and ourselves, the test report shall not be reproduced, except in full, without our written approval.

BTL's laboratory quality assurance procedures are in compliance with the **ISO/IEC 17025** requirements, and accredited by the conformity assessment authorities listed in this test report.

BTL is not responsible for the sampling stage, so the results only apply to the sample as received.

The information, data and test plan are provided by manufacturer which may affect the validity of results, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements of applied standards and in all the possible configurations as representative of its intended use.

Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

Please note that the measurement uncertainty is provided for informational purpose only and is not use in determining the Pass/Fail results.

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REPORT ISSUED HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-6-2201H017	R00	The module of the device has been tested and certified. SO only the Radiated Spurious Emissions and Output Power have been evaluated and tested, and the worst case was recorded in this report. For the test results of all other test items please refer the module test reports. (BTL-FCCP-1-2201H015)	Apr. 12, 2022	Valid

1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

FCC Part 96 & Part 2			
Standard(s) Section	Test Item	Judgment	Remark
96.41(b)	Equivalent Isotropic Radiated	PASS	-----
2.1046	Conducted Output Power	PASS	-----
2.1053 & 96.41(e)	Radiated Spurious Emissions	PASS	-----

Note:

(1) "N/A" denotes test is not applicable to this device.

1.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No. 29, Jintang Road, Tangzhen Industry Park, Pudong New Area, Shanghai 201210, China.

BTL's Test Firm Registration Number for FCC: 476765

BTL's Designation Number for FCC: CN1241

1.2 MEASUREMENT UNCERTAINTY

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2))

The BTL measurement uncertainty as below table:

A. Radiated emissions test:

Test Site	Method	Measurement Frequency Range	Ant. H / V	U, (dB)
SH-CB02	CISPR	9 KHz~30 MHz	-	2.16
		30 MHz~200 MHz	V	4.04
		30 MHz~200 MHz	H	2.90
		200 MHz~1,000 MHz	V	3.76
		200 MHz~1,000 MHz	H	3.82
		1GHz ~ 6GHz	-	4.56
		6GHz ~ 18GHz	-	4.14
		18 ~ 26.5 GHz	-	3.48
		26.5 ~ 40 GHz	-	3.64

B. Conducted test:

Parameter	U
Output Power	±0.95 dB
Occupied Channel Bandwidth	±3.8 %
Conducted Spurious Emission	±2.71 dB
Temperature	±0.08 °C
Humidity	±1.5 %
Supply voltages	±0.3 %

Note: Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.

1.3 TEST ENVIRONMENT CONDITIONS

Test Item	Temperature	Humidity	Test Voltage	Tested By
Output Power & EIRP	22.5°C	38%	AC 120V/60Hz	Danny Dang
Radiated Spurious Emissions	24°C	58%	AC 120V/60Hz	Forest Li

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	LTE Module			
Brand Name	Vantron			
Test Model	VT-MOD-CELL-B48			
Series Model	N/A			
Model Difference(s)	N/A			
Hardware Version	V100R001.F0000-03			
Software Version	V1.1			
Power Source	DC power supply.			
Power Rating	DC 5V/2A MAX.10W			
Modulation Type	LTE		UL: QPSK,16QAM,64QAM DL: QPSK,16QAM	
Max. EIRP	LTE	Channel Bandwidth (MHz)	QPSK (dBm)	16QAM (dBm)
	Band 48	5	20.12	20.12
		10	20.27	20.31
		15	20.66	20.72
		20	20.90	20.89

Note:

- For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
- This project approved module is being used in a specific host :
Host product name: Tablet,
Host Brand name: Vantron
Host model: VT-TABLET-5081S
- The Channel List:

LTE Band 48			
Test Frequency ID	Bandwidth (MHz)	EARFCN	Frequency (UL and DL) (MHz)
Low Range	5	55265	3552.5
	10	55290	3555.0
	15	55315	3557.5
	20	55340	3560.0
Mid Range	5/10/15/20	55990	3625.0
High Range	5	56715	3697.5
	10	56690	3695.0
	15	56665	3692.5
	20	56640	3690.0

4. Table for Filed Antenna:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Note
Ant.0	N/A	N/A	Internal PIFA Antenna	N/A	1	LTE Band 48

Note: The antenna gain is provided by the manufacturer.

2.2 DESCRIPTION OF TEST MODES AND TEST CONDITION

Following mode(s) was (were) found to be the worst case(s) and selected for the final test:

LTE BAND 48 MODE					
Test Item	Available Channel	Tested Channel	Channel Bandwidth	Modulation	Mode
Output Power & EIRP	55265 to 56715	55265, 55990, 56715	5MHz	QPSK, 16QAM	1RB/12RB/25RB
	55290 to 56690	55290, 55990, 56690	10MHz	QPSK, 16QAM	1RB/25RB/50RB
	55315 to 56665	55315, 55990, 56665	15MHz	QPSK, 16QAM	1RB/36RB/75RB
	55340 to 56640	55340, 55990, 56640	20MHz	QPSK, 16QAM	1RB/50RB/100RB
Radiated Spurious Emissions	55340 to 56640	55990	20MHz	QPSK	1RB

2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED**2.4 DESCRIPTION OF SUPPORT UNITS**

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Brand	Model/Type No.	Series No.
A	CMW500	N/A	N/A	129246

3. TEST RESULT

3.1 OUTPUT POWER & EIRP MEASUREMENT

3.1.1 LIMIT

EIRP for CBRS equipment as below table:

Device	Maximum EIRP (dBm/10 MHz)
End User Device	23
Category A CBSD	30
Category B CBSD	47

3.1.2 TEST PROCEDURE

The testing follows ANSI C63.26-2015 Section 5.2.4.4.2

Conducted Output Power:

The EUT can operate with a constant duty cycle.

- a) Set span to 2 × to 3 × the OBW.
- b) Set RBW = 1% to 5% of the OBW.
- c) Set VBW ≥ 3 × RBW.
- d) Set number of measurement points in sweep ≥ 2 × span / RBW.
- e) Sweep time:
 - 1) Set = auto-couple, or
 - 2) Set ≥ [10 × (number of points in sweep) × (transmission symbol period)] for single sweep (automation-compatible) measurement.
- f) Detector = power averaging (rms).
- g) Set sweep trigger to “free run.”
- h) Trace average at least 100 traces in power averaging (rms) mode if sweep is set to auto-couple. To accurately determine the average power over the on and off time of the transmitter, it can be necessary to increase the number of traces to be averaged above 100, or if using a manually configured sweep time, increase the sweep time.
- i) Compute power by integrating the spectrum across the OBW of the signal using the instrument's band or channel power measurement function with band/channel limits set equal to the OBW band edges. If the instrument does not have a band or channel power function, sum the spectrum levels (in linear power units) at intervals equal to the RBW extending across the entire OBW of the spectrum.
- j) Add 10 log (1/duty cycle) to the measured power level to compute the average power during continuous transmission. For example, add [10 log (1/0.25)] = 6 dB if the duty cycle is a constant 25%.

EIRP Power:

The testing follows ANSI C63.26-2015 Section 5.2.5.5

According to KDB 412172 D01 Power Approach,

$EIRP = PT + GT - LC$, where

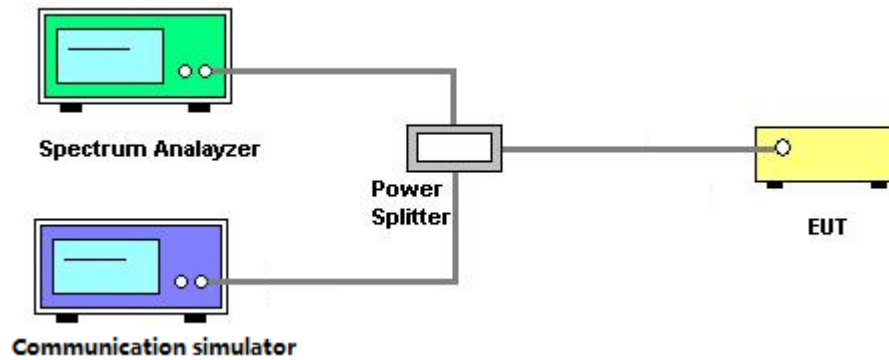
PT = transmitter output power in dBm

GT = gain of the transmitting antenna in dBi

LC = signal attenuation in the connecting cable between the transmitter and antenna in dB

3.1.3 TESTSETUP LAYOUT

Conducted Power Measurement



3.1.4 TEST DEVIATION

No deviation

3.1.5 TEST RESULTS

Please refer to the APPENDIX A.

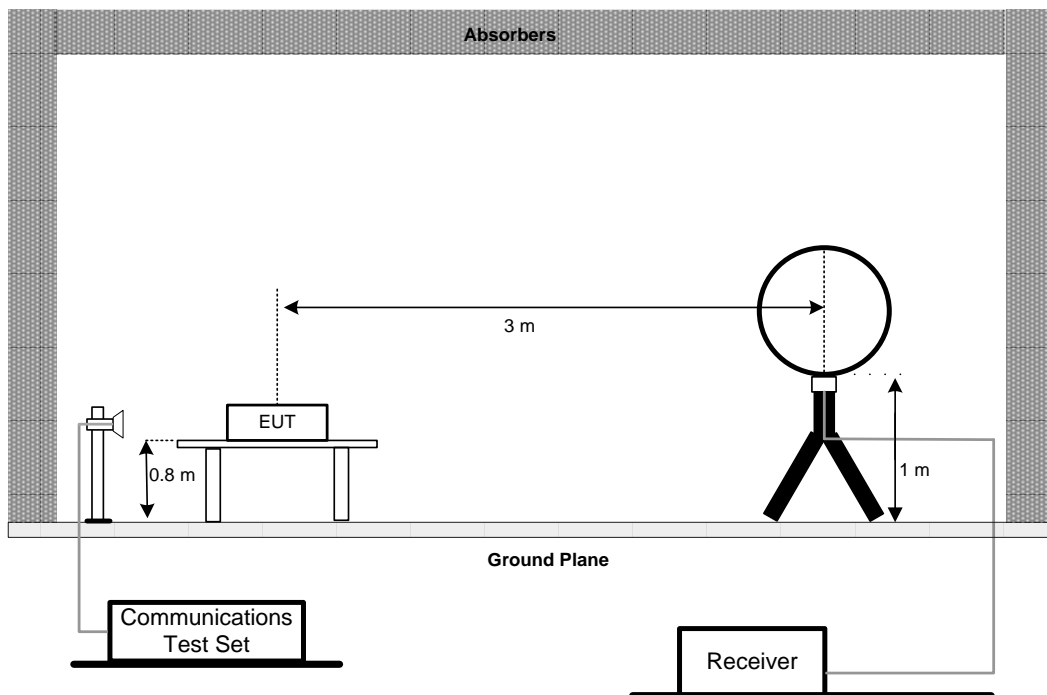
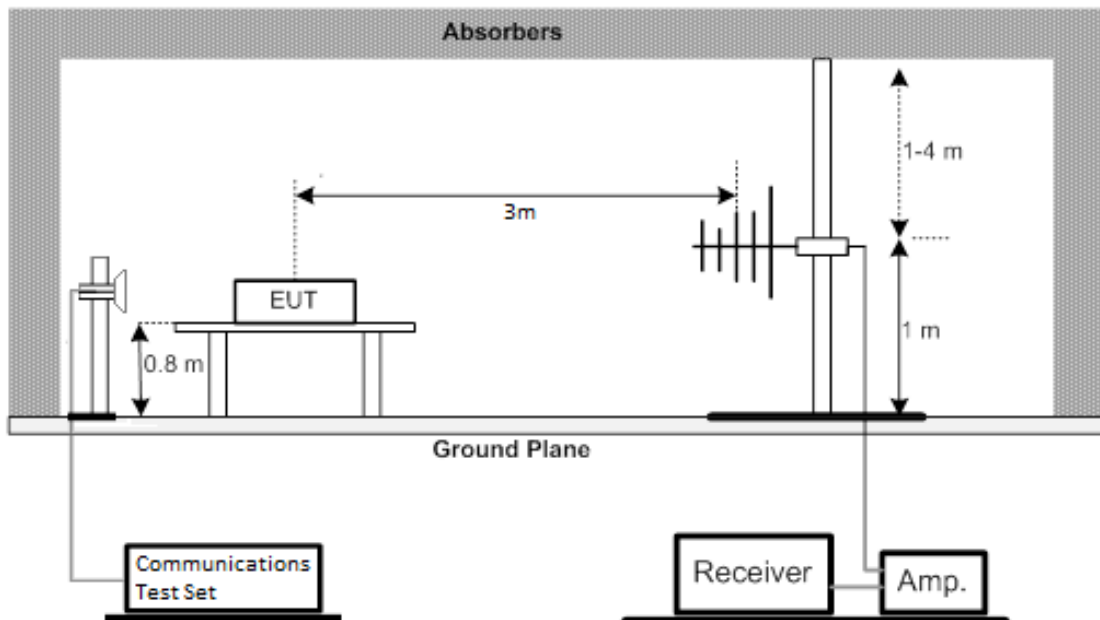
3.2 RADIATED EMISSIONS MEASUREMENT

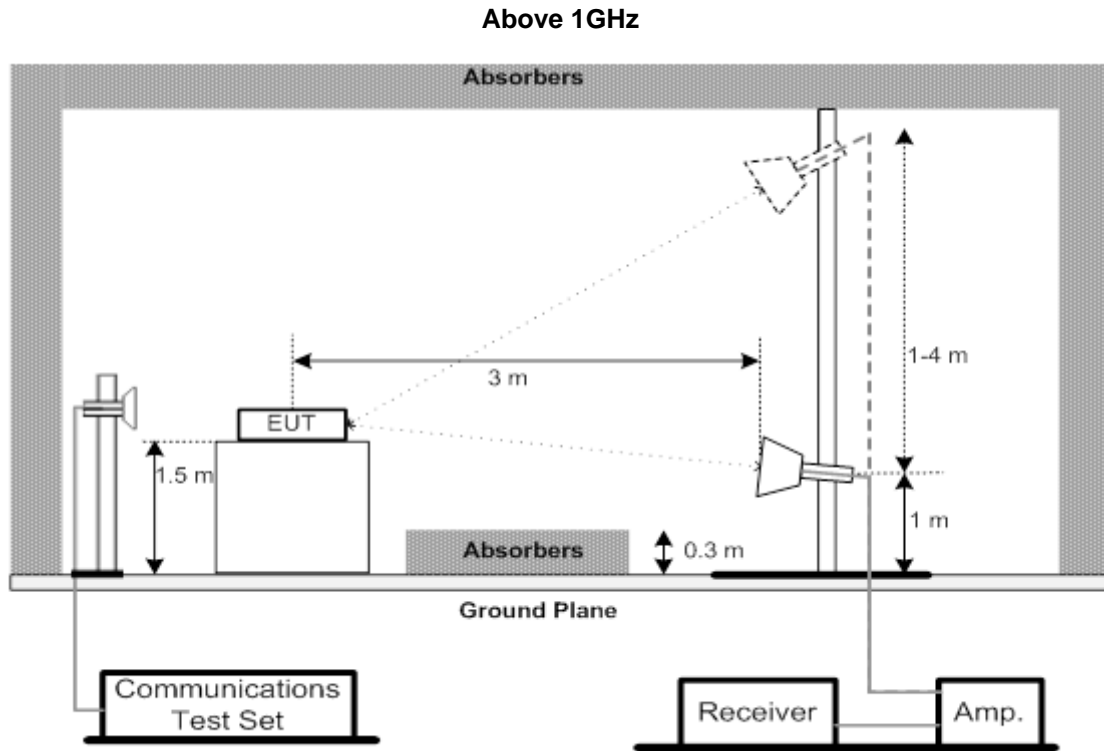
3.2.1 LIMIT

The power of any emission outside of the authorized operating frequency ranges shall not exceed -40dBm/MHz.

3.2.2 TEST PROCEDURES

1. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
2. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value " of step a. Record the power level of S.G
3. $EIRP = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution horn.}$
4. E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole, $E.R.P \text{ power} = E.I.P.R \text{ power} - 2.15\text{dBi.}$
5. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz/3MHz.

3.2.3 TEST SETUP LAYOUT**Below 30MHz****30MHz to 1000MHz**



3.2.4 TEST DEVIATION

No deviation

3.2.5 TEST RESULTS (9KHZ TO 30MHZ)

Please refer to the APPENDIX B.

3.2.6 TEST RESULTS (30MHZ TO 1000MHZ)

Please refer to the APPENDIX C.

3.2.7 TEST RESULTS (ABOVE 1000MHZ)

Please refer to the APPENDIX D.

4. LIST OF MEASUREMENT EQUIPMENTS

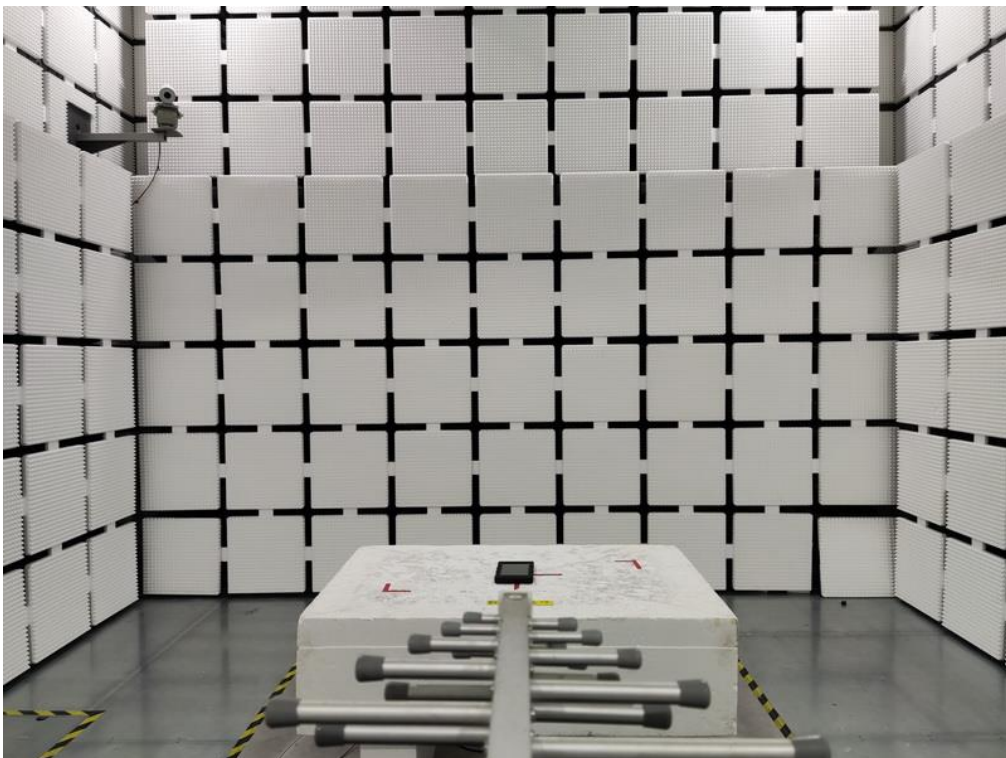
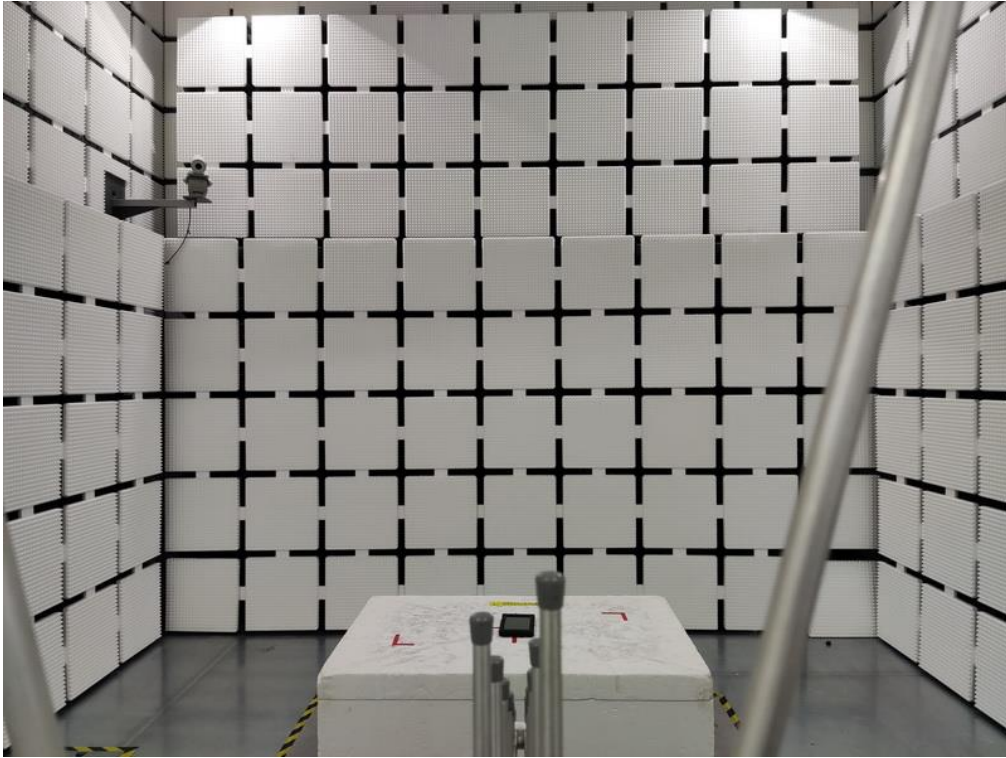
Radiated Emission Measurement(9K-30M)					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Loop Antenna	EMCI	EMCI LPA600	275	May. 20, 2022
2	MXE EMI Receiver	Keysight	N9038A	MY56400088	Mar. 21, 2022
3	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
4	Wideband Radio Communication Test	R&S	CMW500	129246	Aug. 23, 2022

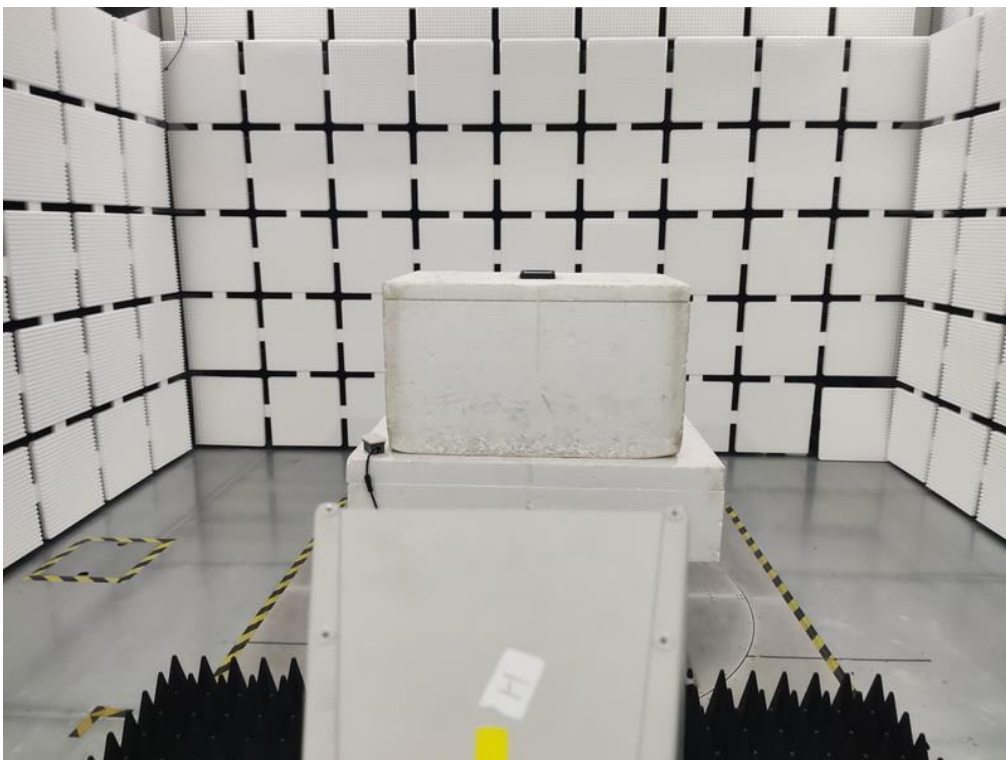
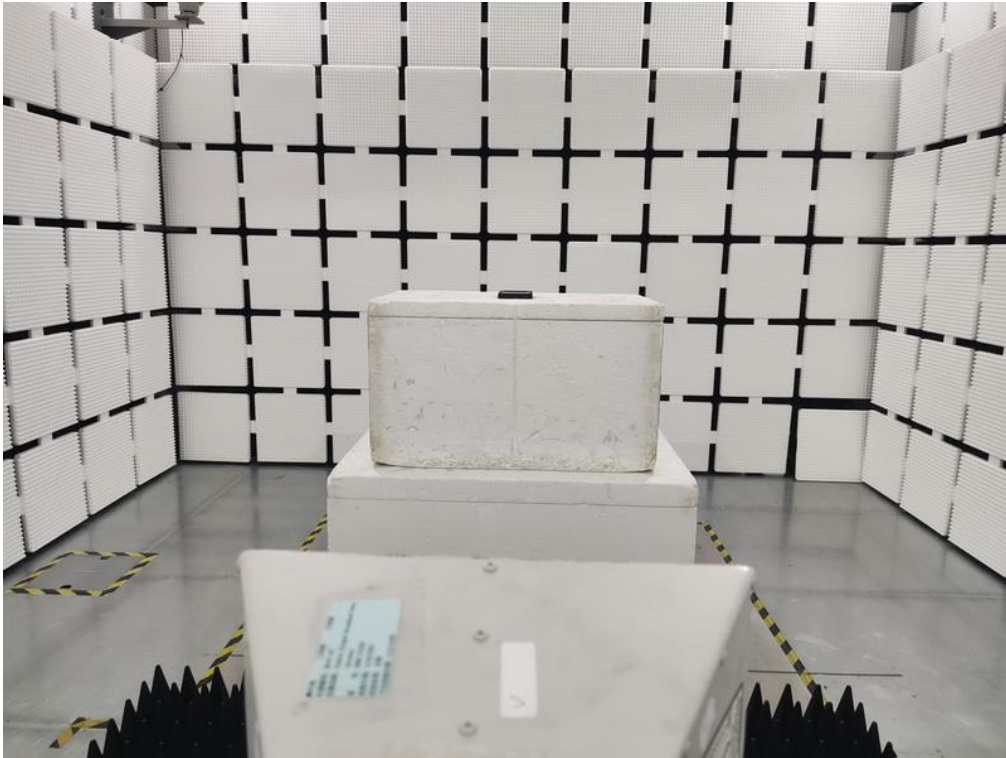
Radiated Emission Measurement(30M-1G)					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	TRILOG Broadband Antenna	Schwarzbeck	VULB 9160	9160-3233	Mar. 26, 2022
2	Pre-Amplifier	emci	EMC9135	980401	Mar. 20, 2022
3	MXE EMI Receiver	Keysight	N9038A	MY56400088	Mar. 21, 2022
4	Test Cable	emci	EMC104-SM-SM-7000	181020	Apr. 11, 2022
5	Test Cable	emci	EMC104-SM-SM-2500	170618	Apr. 11, 2022
6	Test Cable	emci	EMC104-SM-SM-800	170647	Apr. 11, 2022
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
8	Wideband Radio Communication Test	R&S	CMW500	129246	Aug. 23, 2022

Radiated Emission Measurement(1G-18G)					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Double Ridged Broadband Horn Antenna	Schwarzbeck	BBHA 9120D	9120D-1817	Mar. 26, 2022
2	Pre-Amplifier	emci	EMC051845SE	980725	Aug. 23, 2022
3	EXA Spectrum Analyzer	Keysight	N9010A	MY56480579	Mar. 21, 2022
4	Test Cable	emci	EMC104-SM-SM-7000	181020	Apr. 11, 2022
5	Test Cable	emci	EMC104-SM-SM-2500	170618	Apr. 11, 2022
6	Test Cable	emci	EMC104-SM-SM-800	170647	Apr. 11, 2022
7	Double-Ridged Waveguide Horn Antenna	ETS-Lindgren	3116C	00203919	May 19, 2022
8	Pre-Amplifier	emci	EMC184045B	980265	Apr. 11, 2022
9	Test Cable	emci	EMC102-SM-SM-800	170335	Apr. 11, 2022
10	Test Cable	emci	EMC102-KM-KM-2500	170627	Apr. 11, 2022
11	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
12	Wideband Radio Communication Test	R&S	CMW500	129246	Aug. 23, 2022

Conducted Emission & Band Edge & Occupied Bandwidth Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Wideband Radio Communication Test	R&S	CMW500	129246	Aug. 23, 2022
2	EXA Spectrum Analyzer	Keysight	N9010A	MY56480579	Mar. 21, 2022
3	Power Divider	JUK	PD-2SF-2060	N/A	N/A

Remark: "N/A" denotes no model name, serial no. or calibration specified.
 Except * item, all calibration period of equipment list is one year.
 "*" calibration period of equipment list is three year.

5. EUT TEST PHOTO**Radiated Emissions Test Photos****30 MHz to 1 GHz**

Radiated Emissions Test Photos**Above 1 GHz**

APPENDIX A - OUTPUT POWER & EIRP

Output Power (dBm):

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				55265CH	55990CH	56715CH
				3552.5MHz	3625.5MHz	3697.5MHz
5M	QPSK	1	0	18.12	18.03	18.94
		1	12	18.10	18.04	18.91
		1	24	18.03	18.07	18.86
		12	0	18.21	18.27	19.12
		12	7	18.18	18.02	18.96
		12	13	18.18	18.04	18.94
		25	0	18.18	18.03	18.95
	16QAM	1	0	18.03	18.23	18.85
		1	12	18.18	18.24	18.86
		1	24	18.10	18.27	18.82
		12	0	18.16	18.25	19.12
		12	7	18.08	18.00	18.87
		12	13	18.14	18.01	18.85
		25	0	18.15	18.01	18.91

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				55290CH	55990CH	56690CH
				3555MHz	3625.5MHz	3695MHz
10M	QPSK	1	0	18.25	18.46	19.27
		1	25	18.01	18.36	19.21
		1	49	18.13	18.44	19.22
		25	0	18.08	18.16	19.10
		25	12	18.06	18.25	19.13
		25	25	18.01	18.21	19.05
		49	0	18.18	18.18	19.08
	16QAM	1	0	18.25	18.21	19.31
		1	25	18.01	18.14	19.27
		1	49	18.25	18.33	19.25
		25	0	18.10	18.20	19.18
		25	12	18.08	18.28	19.23
		25	25	18.04	18.23	19.16
		49	0	18.00	18.19	19.17

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				55315CH	55990CH	56665CH
				3557.5MHz	3625.5MHz	3692.5MHz
15M	QPSK	1	0	18.21	18.69	19.66
		1	37	18.01	18.58	19.44
		1	74	18.49	19.01	19.60
		36	0	18.05	18.45	19.49
		36	20	18.28	18.50	19.40
		36	39	18.01	18.53	19.27
		75	0	18.29	18.52	19.29
	16QAM	1	0	18.20	18.58	19.72
		1	37	18.25	18.44	19.50
		1	74	18.43	18.87	19.68
		36	0	18.03	18.30	19.33
		36	20	18.26	18.33	19.44
		36	39	18.00	18.36	19.30
		75	0	18.28	18.36	19.36

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				55340CH	55990CH	56640CH
				3560MHz	3625.5MHz	3690MHz
20M	QPSK	1	0	18.38	18.68	19.90
		1	49	18.15	18.51	19.60
		1	99	18.64	19.00	19.80
		50	0	18.05	18.51	19.53
		50	24	18.04	18.50	19.44
		50	50	18.18	18.63	19.48
		99	0	18.11	18.47	19.48
	16QAM	1	0	18.25	18.70	19.79
		1	49	18.00	18.53	19.73
		1	99	18.51	18.99	19.89
		50	0	18.09	18.53	19.50
		50	24	18.07	18.51	19.42
		50	50	18.21	18.61	19.44
		99	0	18.18	18.54	19.50

EIRP Power (dBm):

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				55265CH	55990CH	56715CH
				3552.5MHz	3625.5MHz	3697.5MHz
5M	QPSK	1	0	19.12	19.03	19.94
		1	12	19.10	19.04	19.91
		1	24	19.03	19.07	19.86
		12	0	19.21	19.27	20.12
		12	7	19.18	19.02	19.96
		12	13	19.18	19.04	19.94
		25	0	19.18	19.03	19.95
	16QAM	1	0	19.03	19.23	19.85
		1	12	19.18	19.24	19.86
		1	24	19.10	19.27	19.82
		12	0	19.16	19.25	20.12
		12	7	19.08	19.00	19.87
		12	13	19.14	19.01	19.85
		25	0	19.15	19.01	19.91

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				55290CH	55990CH	56690CH
				3555MHz	3625.5MHz	3695MHz
10M	QPSK	1	0	19.25	19.46	20.27
		1	25	19.01	19.36	20.21
		1	49	19.13	19.44	20.22
		25	0	19.08	19.16	20.10
		25	12	19.06	19.25	20.13
		25	25	19.01	19.21	20.05
		49	0	19.18	19.18	20.08
	16QAM	1	0	19.25	19.21	20.31
		1	25	19.01	19.14	20.27
		1	49	19.25	19.33	20.25
		25	0	19.10	19.20	20.18
		25	12	19.08	19.28	20.23
		25	25	19.04	19.23	20.16
		49	0	19.00	19.19	20.17

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				55315CH	55990CH	56665CH
				3557.5MHz	3625.5MHz	3692.5MHz
15M	QPSK	1	0	19.21	19.69	20.66
		1	37	19.01	19.58	20.44
		1	74	19.49	20.01	20.60
		36	0	19.05	19.45	20.49
		36	20	19.28	19.50	20.40
		36	39	19.01	19.53	20.27
		75	0	19.29	19.52	20.29
	16QAM	1	0	19.20	19.58	20.72
		1	37	19.25	19.44	20.50
		1	74	19.43	19.87	20.68
		36	0	19.03	19.30	20.33
		36	20	19.26	19.33	20.44
		36	39	19.00	19.36	20.30
		75	0	19.28	19.36	20.36

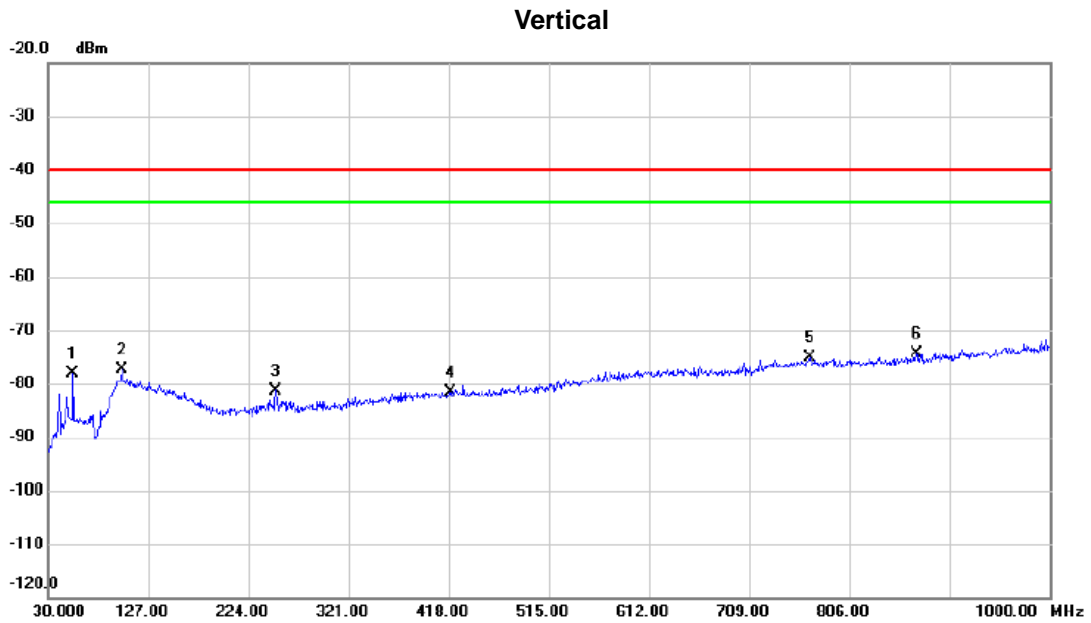
LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				55340CH	55990CH	56640CH
				3560MHz	3625.5MHz	3690MHz
20M	QPSK	1	0	19.38	19.68	20.90
		1	49	19.15	19.51	20.60
		1	99	19.64	20.00	20.80
		50	0	19.05	19.51	20.53
		50	24	19.04	19.50	20.44
		50	50	19.18	19.63	20.48
		99	0	19.11	19.47	20.48
	16QAM	1	0	19.25	19.70	20.79
		1	49	19.00	19.53	20.73
		1	99	19.51	19.99	20.89
		50	0	19.09	19.53	20.50
		50	24	19.07	19.51	20.42
		50	50	19.21	19.61	20.44
		99	0	19.18	19.54	20.50

APPENDIX B - RADIATED SPURIOUS EMISSIONS (9KHZ TO 30MHZ)

Note: Below 30MHz the measured value have enough margin over 20dB than the limit,
therefore they are not reported

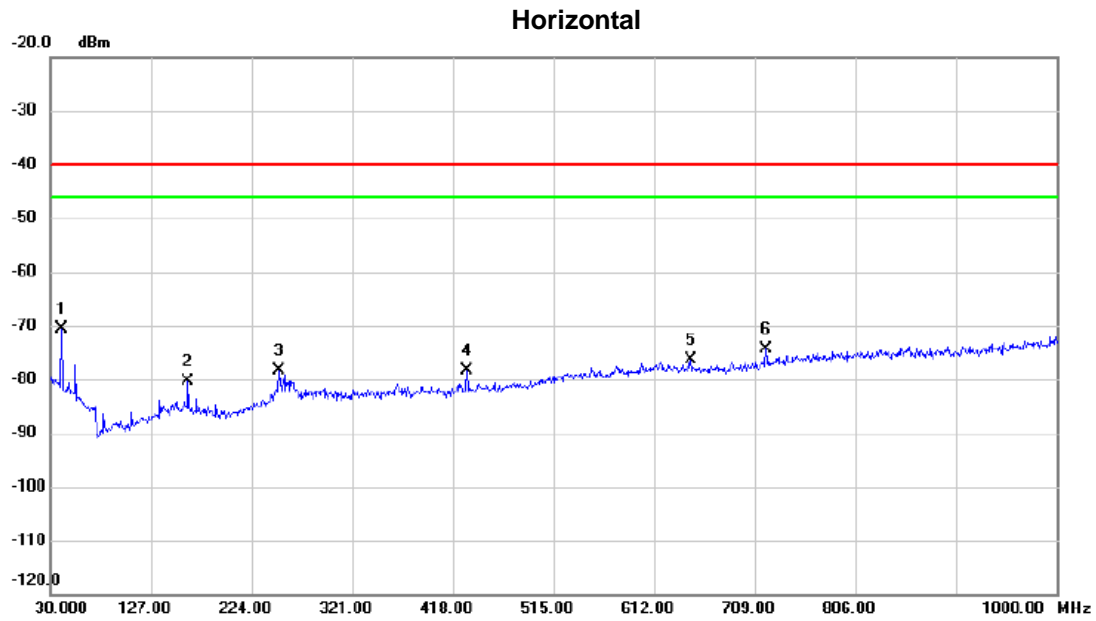
**APPENDIX C - RADIATED SPURIOUS EMISSIONS
(30MHZ TO 1000MHZ)**

Test Mode: LTE Band 48_TX Mode_20M



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		54.2500	-68.28	-9.82	-78.10	-40.00	-38.10	RMS	
2		101.7800	-79.84	2.53	-77.31	-40.00	-37.31	RMS	
3		250.1900	-77.99	-3.26	-81.25	-40.00	-41.25	RMS	
4		420.4250	-82.37	0.74	-81.63	-40.00	-41.63	RMS	
5		767.6850	-80.91	5.70	-75.21	-40.00	-35.21	RMS	
6	*	871.4750	-80.33	6.04	-74.29	-40.00	-34.29	RMS	

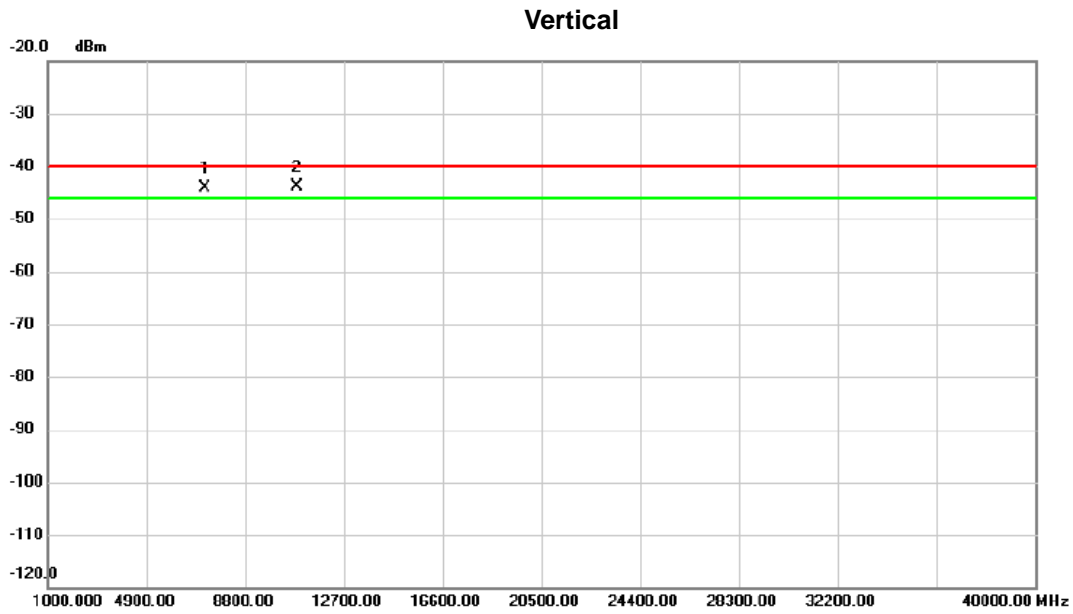
Test Mode: LTE Band 48_TX Mode_20M



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	40.6700	-66.00	-4.51	-70.51	-40.00	-30.51	RMS	
2		162.8900	-77.27	-3.18	-80.45	-40.00	-40.45	RMS	
3		250.1900	-77.07	-1.25	-78.32	-40.00	-38.32	RMS	
4		432.0650	-79.19	0.70	-78.49	-40.00	-38.49	RMS	
5		647.8900	-80.58	4.09	-76.49	-40.00	-36.49	RMS	
6		720.1550	-78.94	4.69	-74.25	-40.00	-34.25	RMS	

**APPENDIX D - RADIATED SPURIOUS EMISSIONS
(ABOVE 1000MHZ)**

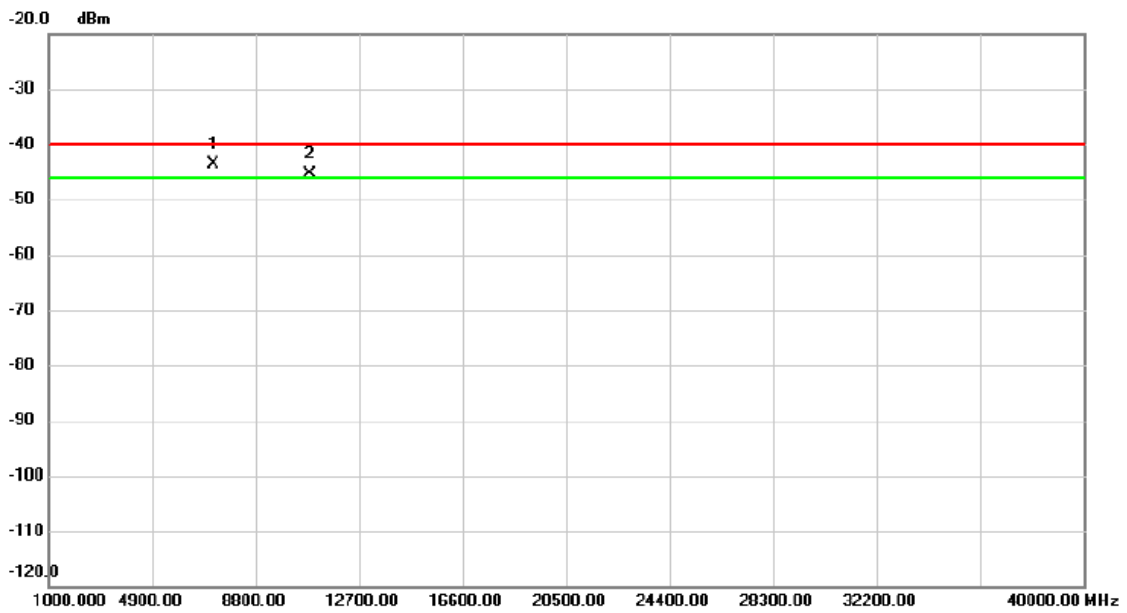
Test Mode: LTE Band 48_TX Mode _20M



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		7232.119	-45.62	1.62	-44.00	-40.00	-4.00	RMS	
2	*	10848.30	-51.11	7.20	-43.91	-40.00	-3.91	RMS	

Test Mode: LTE Band 48_TX Mode _20M

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	7232.207	-45.34	1.71	-43.63	-40.00	-3.63	RMS	
2		10848.27	-52.25	6.98	-45.27	-40.00	-5.27	RMS	

End of Test Report