



FCC RADIO TEST REPORT

FCC ID : QYLLN920F12
Equipment : WWAN Module
Model Name : LN920A12-WW
Applicant : Getac Technology Corporation.
5F., Building A, No. 209, Sec.1, Nangang Rd., Nangang
Dist., Taipei City 115018, Taiwan, R.O.C.
Standard : FCC 47 CFR Part 2, 96

The product was received on May 22, 2025 and testing was performed from Jun. 10, 2025 to Jul. 11, 2025. We, Sporton International Inc. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this partial report apply exclusively to the tested model / sample. Without written approval from Sporton International Inc. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Approved by: Louis Wu

Sportun International Inc. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)



Table of Contents

History of this test report.....	3
Summary of Test Result.....	4
1 General Description	5
1.1 Product Feature of Equipment Under Test.....	5
1.2 Modification of EUT	7
1.3 Testing Site.....	7
1.4 Applied Standards	8
2 Test Configuration of Equipment Under Test	9
2.1 Test Mode.....	9
2.2 Connection Diagram of Test System.....	10
2.3 Support Unit used in test configuration and system	10
2.4 Frequency List of Low/Middle/High Channels	11
3 Conducted Test Items.....	12
3.1 Measuring Instruments	12
3.2 Conducted Output Power Measurement	13
3.3 EIRP	14
4 Radiated Test Items	15
4.1 Measuring Instruments	15
4.2 Test Setup	15
4.3 Test Result of Radiated Test	16
4.4 Radiated Spurious Emission	17
5 List of Measuring Equipment.....	18
6 Measurement Uncertainty	19
Appendix A. Test Results of Conducted Test	
Appendix B. Test Results of Radiated Test	
Appendix C. Test Setup Photographs	



History of this test report



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046	Conducted Output Power	Pass	-
3.3	§96.41	Effective Isotropic Radiated Power	Pass	-
4.4	§2.1053 §96.41	Radiated Spurious Emission	Pass	-

Note: The test plans were by manufacturer definition.

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty".

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Yun Huang

Report Producer: Josie Hsu



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
General Specs WCDMA/LTE, and GNSS	
Antenna Type WWAN: PIFA Antenna	
Sample 1	EUT with Host 1
Sample 2	EUT with Host 2

Support Band and Evaluated Information	
Supported Band	LTE Band 42, Band 43, Band 48
Evaluated and Tested Band	LTE Band 48

Antenna Information		
Band	Main	Aux
B42	2.50	-
B43	2.41	-
B48	2.41	-

Remark: The above EUT's information was declared by manufacturer. Please refer to Disclaimer in report summary.



The product was installed into Tablet (Brand Name: Getac, Model Name: F120, F120Y (Y= 10 characters, Y can be 0-9, a-z, A-Z, “-”, “_” or blank for marketing purpose and no impact safety related critical components and constructions.)) during test, and the host information was recorded in the following table.

Host Information	
Host 1	Host with SKU B
Host 2	Host with SKU C

DVT SKUs	SKU B	SKU C
CPU	ULTRA5-236V	ULTRA7-268V
DDR	INTEGRATED 16GB	INTEGRATED 32GB
SSD	512GB	1TB
PANEL	Full FHD AUO	Full FHD AUO
DIGITIZER	EMRright Digitizer	EMRright Digitizer
OPTION BAY	Barcode Reader	Barcode Reader
Expansion Bay	HID RFID	SMART CARD
Right side option	Fingerprinter	RFID (SN-NSVG7-C01)
WLAN/BT	Intel BE201NGW	Intel BE201NGW
WWAN	LN920A12-WW	LN920A12-WW
GNSS	LN920A12-WW	LN920A12-WW
Rear 8M Camera	Support	Support
Webcam FHD	Support	Support
USB3.2 Gen2 x 1 Type-A	Support	Support
Type-C (thunder bolt)	Support	Support



1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Site

Test Site	Sportun International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	Sportun Site No.
	TH03-HY
Test Engineer	Cotty Hsu
Temperature (°C)	22.4~22.9
Relative Humidity (%)	53.2~55.6
Test Site	Sportun International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	Sportun Site No.
	03CH21-HY (TAF Code: 3786)
Test Engineer	Fred Tseng, Ray Lung and Sky Chang
Temperature (°C)	18~23
Relative Humidity (%)	50~65
Remark	The Radiated Spurious Emission test item subcontracted to Sporton International Inc. Wensan Laboratory.

Note: The test site complies with ANSI C63.4 2014 requirement.

FCC Designation No.: TW1190 and TW3786



1.4 Applied Standards

According to the specifications declared by the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ ANSI C63.26-2015
- ♦ FCC 47 CFR Part 2, 96
- ♦ FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. The TAF code is not including all the FCC KDB listed without accreditation.



2 Test Configuration of Equipment Under Test

2.1 Test Mode

Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas. License Digital Systems v03r01 with maximum output power. EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), and adjusting the measurement antenna orientation, following C63.26 exploratory test procedures and find the worst plane as following table.

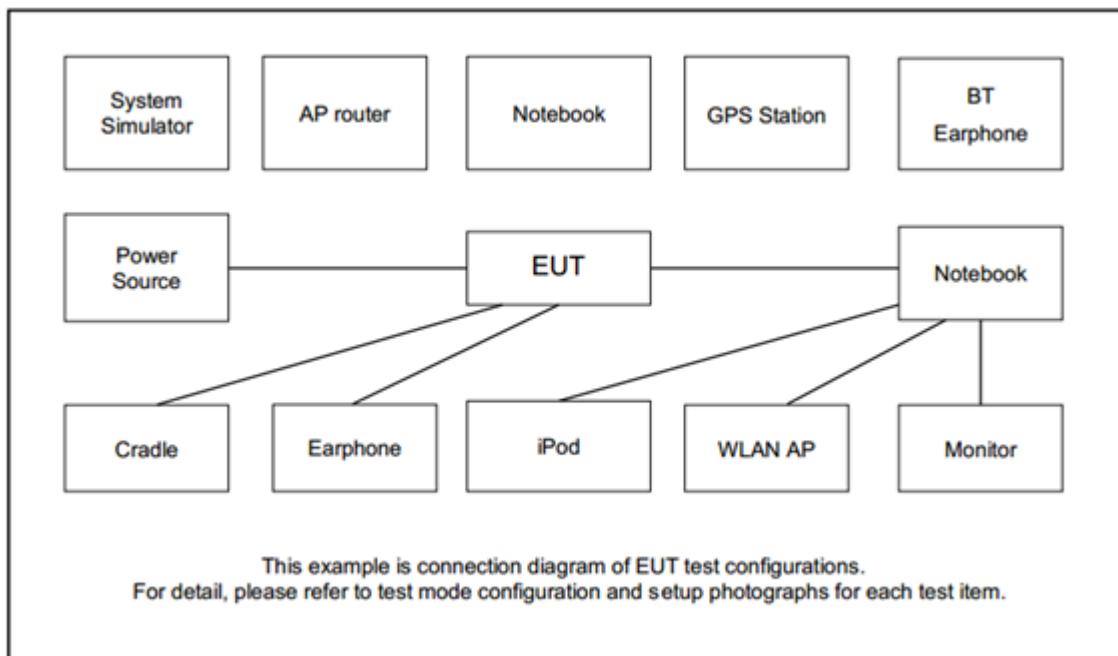
Modulation Type	Modulation
A	QPSK
B	16QAM
C	64QAM

Test Item	Modulation Type	Bandwidth	RB Size	Channel
Conducted Power	A, B, C	All	1, Half, Full	L, M, H
EIRP	A, B, C	All	1, Half, Full	L, M, H
RSE	A	20MHz	1RB	L, M, H

Remark:

1. Evaluated all the transmitter signal and reporting worst-case configuration among all modulation types.
2. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst-case emissions are reported.
3. During the RSE preliminary test, the standalone mode and charging modes (Adapter mode) were verified. It is determined that the adapter mode is the worst case for the official test.
4. All the radiated test cases were performed with Adapter 1, Battery 1 and SKUB.
5. According to the module's declaration, LTE band 42 and 43 are covered by LTE band 48.

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model No.	FCC ID	Data Cable	Power Cord
1.	iPod Earphone	Apple	N/A	Verification	Unshielded, 1.0 m	N/A
2.	System Simulator	Rohde & Schwarz	CMU200	N/A	N/A	Unshielded, 1.8 m
3.	System Simulator	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8 m



2.4 Frequency List of Low/Middle/High Channels

LTE Band 48 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	55340	55830	56640
	Frequency	3560	3609	3690
15	Channel	55315	55820	56665
	Frequency	3557.5	3608	3692.5
10	Channel	55290	55815	56690
	Frequency	3555	3607.5	3695
5	Channel	55265	55810	56715
	Frequency	3552.5	3607	3697.5

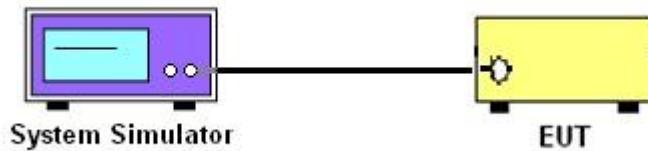
3 Conducted Test Items

3.1 Measuring Instruments

See list of measuring instruments of this test report.

3.1.1 Test Setup

3.1.2 Conducted Output Power



3.1.3 Test Result of Conducted Test

Please refer to Appendix A.



3.2 Conducted Output Power Measurement

3.2.1 Description of the Conducted Output Power Measurement

A base station simulator was used to establish communication with the EUT. Its parameters were set to transmit the maximum power on the EUT. The measured power in the radio frequency on the transmitter output terminals shall be reported.

3.2.2 Test Procedures

1. The transmitter output port was connected to base station.
2. Set EUT at maximum power through base station.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Measure and record the power level from the system simulator.



3.3 EIRP

3.3.1 Description of the EIRP Measurement

The EIRP of mobile transmitters must not exceed 23 dBm /10 megahertz for LTE Band 48.

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

Device	Maximum EIRP (dBm/10 MHz)	Maximum PSD (dBm/MHz)
End User Device	23	n/a

Remark: Total channel power is complied with EIRP limit 23dBm/10MHz.

3.3.2 Test Procedures

The testing follows procedure in Section 5.2 of ANSI C63.26-2015 and KDB 940660 D01 Part 96 CBRS Eqpt v03 Section 3.2(b)(2)

Determine the EIRP by adding the effective antenna gain to the measured average conducted power level.

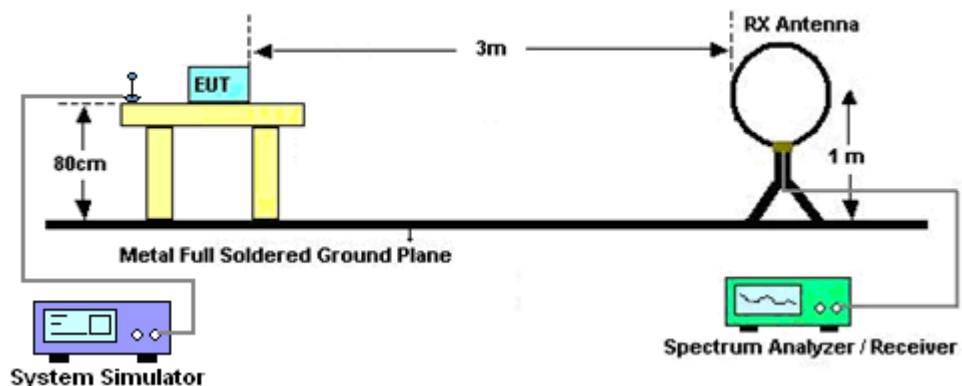
4 Radiated Test Items

4.1 Measuring Instruments

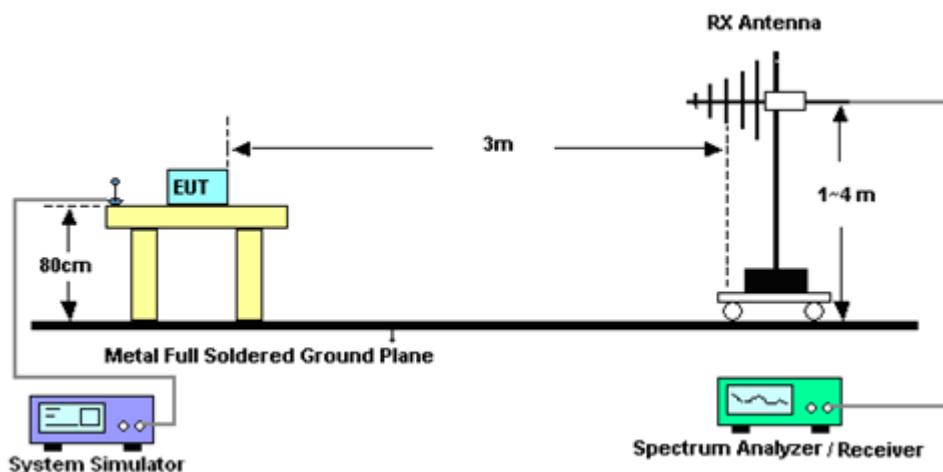
See list of measuring instruments of this test report.

4.2 Test Setup

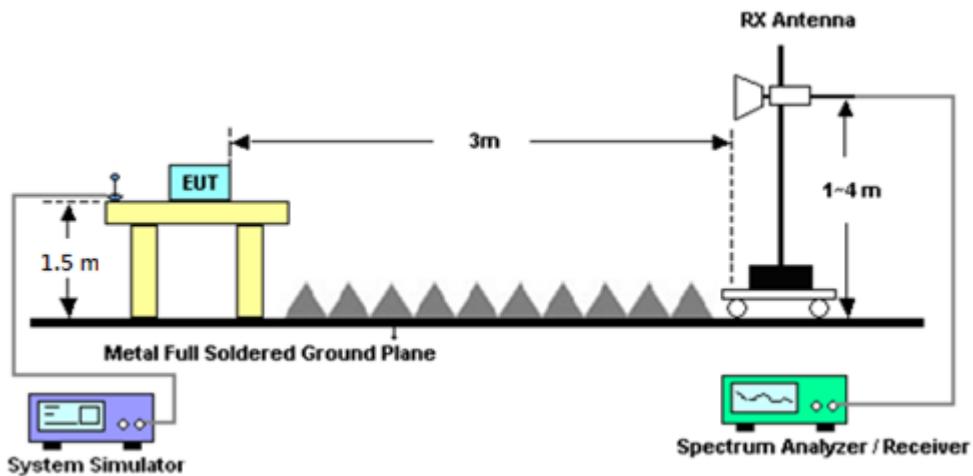
For radiated test below 30MHz



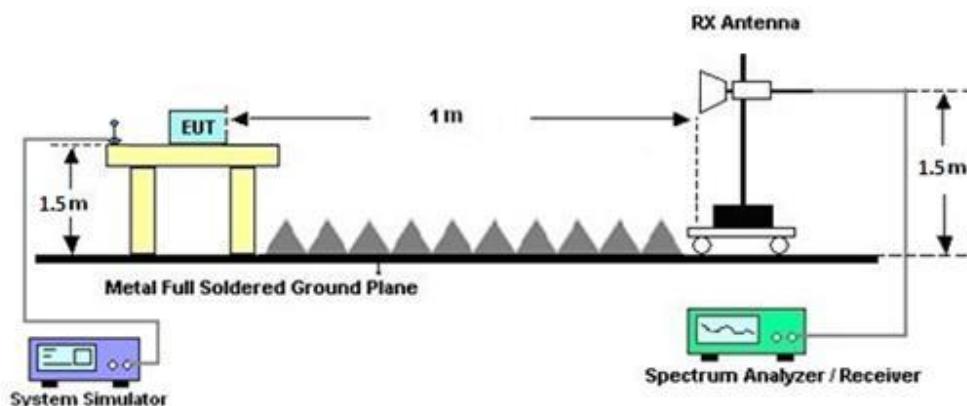
For radiated test from 30MHz to 1GHz



For radiated emissions from 1GHz to 18GHz



For radiated emissions above 18GHz



4.3 Test Result of Radiated Test

Please refer to Appendix B.

Note:

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.



4.4 Radiated Spurious Emission

4.4.1 Description of Radiated Spurious Emission

The radiated spurious emission was measured by field strength method according to ANSI C63.26-2015.

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least -40dBm / MHz

The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

4.4.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 7 and ANSI C63.26-2015 section 5.5.4 Radiated measurement using the field strength method.

1. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
2. The EUT was set 3 meters from the receiving antenna mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
5. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
7. To convert spectrum reading $E(\text{dBuV/m})$ to $EIRP(\text{dBm})$
$$\text{EIRP}(\text{dBm}) = \text{Level} (\text{dBuV/m}) + 20\log(d) - 104.77,$$
where d is the distance at which field strength limit is specified in the rules
8. Field Strength Level (dBm) = Spectrum Reading (dBm) + Antenna Factor + Cable Loss + Read Level - Preamp Factor.
9. $\text{ERP} (\text{dBm}) = \text{EIRP} (\text{dBm}) - 2.15$
10. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.



5 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
LOOP Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Aug. 29, 2024	Jun. 10, 2025~Jun. 13, 2025	Aug. 28, 2025	Radiation (03CH21-HY)
Bilog Antenna	TESEQ & WOKEN	CBL 6111D & 00802N1D-06	63303 & 001	30MHz~1GHz	Dec. 17, 2024	Jun. 10, 2025~Jun. 13, 2025	Dec. 16, 2025	Radiation (03CH21-HY)
Double Ridged Guide Horn Antenna	RFSPIN	DRH18-E	LE2C03A18EN	1GHz~18GHz	Jul. 11, 2024	Jun. 10, 2025~Jun. 13, 2025	Jul. 10, 2025	Radiation (03CH21-HY)
SHF-EHF Horn Antenna	SCHWARZB ECK	BBHA 9170	1223	18GHz~40GHz	Jun. 24, 2024	Jun. 10, 2025~Jun. 13, 2025	Jun. 23, 2025	Radiation (03CH21-HY)
Amplifier	SONOMA	310N	421580	30MHz~1GHz	Jul. 14, 2024	Jun. 10, 2025~Jun. 13, 2025	Jul. 13, 2025	Radiation (03CH21-HY)
Amplifier	EMEC	EM01G18GA	060876	1GHz~18GHz	Sep. 27, 2024	Jun. 10, 2025~Jun. 13, 2025	Sep. 26, 2025	Radiation (03CH21-HY)
Preamplifier	EMEC	EM18G40G	060873	18GHz~40GHz	Sep. 02, 2024	Jun. 10, 2025~Jun. 13, 2025	Sep. 01, 2025	Radiation (03CH21-HY)
Spectrum Analyzer	Keysight	N9010B	MY62170358	10Hz~44GHz	Sep. 06, 2024	Jun. 10, 2025~Jun. 13, 2025	Sep. 05, 2025	Radiation (03CH21-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9kHz~30MHz	Mar. 05, 2025	Jun. 10, 2025~Jun. 13, 2025	Mar. 04, 2026	Radiation (03CH21-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804397/2,8046 12/2,803954/2	30MHz~40GHz	Aug. 12, 2024	Jun. 10, 2025~Jun. 13, 2025	Aug. 11, 2025	Radiation (03CH21-HY)
Hygrometer	TECPEL	DTM-303A	TP211568	N/A	Oct. 21, 2024	Jun. 10, 2025~Jun. 13, 2025	Oct. 20, 2025	Radiation (03CH21-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	Jun. 10, 2025~Jun. 13, 2025	N/A	Radiation (03CH21-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Jun. 10, 2025~Jun. 13, 2025	N/A	Radiation (03CH21-HY)
Turn Table	EMEC	TT 2000	N/A	0~360 Degree	N/A	Jun. 10, 2025~Jun. 13, 2025	N/A	Radiation (03CH21-HY)
Software	Audix	E3 6.2009-8-24	RK-001053	N/A	N/A	Jun. 10, 2025~Jun. 13, 2025	N/A	Radiation (03CH21-HY)
Radio Communication Analyzer	Anritsu	MT8821C	6262025353	LTE FDD/TDD LTE-2CC DLCA/ULCA	Oct. 01, 2024	Jun. 13, 2025~Jul. 11, 2025	Sep. 30, 2025	Conducted (TH03-HY)
Coupler+10dB+ RFcable	Warison + WoKen + E-Instrument	20dB 25W SMA Directional Coupler+ 10dB 18GHz_5W+S FL405_1.5M	#A+#1+#1+#7	1-18GHz	Jan. 03, 2025	Jun. 13, 2025~Jul. 11, 2025	Jan. 02, 2026	Conducted (TH03-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101906	10Hz~40GHz	Jul. 26, 2024	Jun. 13, 2025~Jul. 11, 2025	Jul. 25, 2025	Conducted (TH03-HY)
Software	Sportun	LTE Conducted Test Tools	N/A	Conducted Test Item	N/A	Jun. 13, 2025~Jul. 11, 2025	N/A	Conducted (TH03-HY)
Hygrometer	TECPEL	DTM-303B	TP200886	N/A	Mar. 03, 2025	Jun. 13, 2025~Jul. 11, 2025	Mar. 02, 2026	Conducted (TH03-HY)



6 Measurement Uncertainty

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	6.6 dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 6 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.0 dB
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Uncertainty of Radiated Emission Measurement (6 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.7 dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.3 dB
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Appendix A. Test Results of Conducted Test

Conducted Output Power (Average power and ERP/EIRP)

Part 96 LTE Band 48 Maximum Average Power [dBm] (GT - LC = 2.41 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	20.12	20.10	19.94	22.55	0.1799
20	1	49		20.02	20.02	19.78		
20	1	99		20.01	19.96	19.68		
20	50	0		19.97	20.05	19.79		
20	50	24		19.95	19.97	19.73		
20	50	50		19.92	19.94	19.70		
20	100	0		20.14	20.11	19.92		
20	1	0	16-QAM	19.98	20.06	19.85	22.54	0.1795
20	1	49		20.11	20.12	19.88		
20	1	99		20.09	20.06	19.75		
20	50	0		19.98	20.05	19.77		
20	50	24		20.06	20.09	19.93		
20	50	50		20.06	20.13	19.86		
20	100	0		20.06	20.09	19.89		
20	1	0	64-QAM	19.95	20.02	19.78	22.55	0.1799
20	1	49		19.88	19.87	19.60		
20	1	99		19.83	19.78	19.52		
20	50	0		20.14	19.21	18.97		
20	50	24		20.11	19.18	18.90		
20	50	50		20.07	19.12	18.85		
20	100	0		19.98	19.15	18.90		
Limit	EIRP < 23dBm/10MHz			Result			Pass	

Total EIRP power is less than partial EIRP limit 23 dBm/10MHz.

Part 96 LTE Band 48 Maximum Average Power [dBm] (GT - LC = 2.41 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	19.94	19.92	19.76	22.44	0.1754
15	1	37		19.86	19.91	19.61		
15	1	74		19.86	19.82	19.54		
15	36	0		19.79	19.87	19.69		
15	36	20		19.76	19.81	19.61		
15	36	39		19.75	19.78	19.56		
15	75	0		20.03	19.91	19.76		
15	1	0	16-QAM	19.84	19.95	19.73	22.44	0.1754
15	1	37		19.95	19.95	19.71		
15	1	74		19.97	19.86	19.62		
15	36	0		19.87	19.95	19.63		
15	36	20		19.89	19.93	19.77		
15	36	39		19.89	20.03	19.73		
15	75	0		19.86	19.89	19.79		
15	1	0	64-QAM	19.75	19.87	19.58	22.42	0.1746
15	1	37		19.73	19.68	19.48		
15	1	74		19.70	19.66	19.41		
15	36	0		19.96	19.10	18.83		
15	36	20		20.01	19.07	18.74		
15	36	39		19.92	18.94	18.68		
15	75	0		19.86	18.96	18.79		
Limit	EIRP < 23dBm/10MHz			Result			Pass	

Total EIRP power is less than partial EIRP limit 23 dBm/10MHz.

Part 96 LTE Band 48 Maximum Average Power [dBm] (GT - LC = 2.41 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	20.01	19.90	19.74	22.42	0.1746
10	1	25		19.83	19.91	19.65		
10	1	49		19.81	19.84	19.49		
10	25	0		19.87	19.89	19.67		
10	25	12		19.85	19.81	19.58		
10	25	25		19.80	19.75	19.51		
10	50	0		20.00	19.91	19.78		
10	1	0	16-QAM	19.78	19.87	19.71	22.43	0.1750
10	1	25		19.99	19.98	19.77		
10	1	49		19.96	19.86	19.62		
10	25	0		19.83	19.90	19.59		
10	25	12		19.91	19.93	19.78		
10	25	25		19.93	20.02	19.72		
10	50	0		19.90	19.90	19.75		
10	1	0	64-QAM	19.79	19.82	19.61	22.37	0.1726
10	1	25		19.76	19.71	19.50		
10	1	49		19.73	19.63	19.40		
10	25	0		19.96	19.11	18.85		
10	25	12		19.93	19.07	18.78		
10	25	25		19.89	19.00	18.68		
10	50	0		19.85	18.96	18.77		
Limit	EIRP < 23dBm/10MHz			Result			Pass	

Total EIRP power is less than partial EIRP limit 23 dBm/10MHz.

Part 96 LTE Band 48 Maximum Average Power [dBm] (GT - LC = 2.41 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	20.01	19.90	19.83	22.45	0.1758
5	1	12		19.82	19.88	19.60		
5	1	24		19.89	19.85	19.49		
5	12	0		19.79	19.88	19.67		
5	12	7		19.76	19.86	19.54		
5	12	13		19.78	19.81	19.55		
5	25	0		20.04	19.95	19.76		
5	1	0	16-QAM	19.87	19.88	19.72	22.41	0.1742
5	1	12		19.92	20.00	19.69		
5	1	24		19.99	19.91	19.64		
5	12	0		19.84	19.92	19.64		
5	12	7		19.91	19.98	19.73		
5	12	13		19.86	19.97	19.75		
5	25	0		19.92	19.98	19.77		
5	1	0	64-QAM	19.78	19.82	19.65	22.41	0.1742
5	1	12		19.74	19.72	19.44		
5	1	24		19.64	19.61	19.34		
5	12	0		20.00	19.11	18.87		
5	12	7		19.92	19.07	18.80		
5	12	13		19.90	18.93	18.67		
5	25	0		19.84	18.99	18.76		
Limit	EIRP < 23dBm/10MHz			Result			Pass	

Total EIRP power is less than partial EIRP limit 23 dBm/10MHz.



Appendix B. Test Results of Radiated Test

B1. Summary of each worse mode

Mode	Part	Band	Ch	Freq (MHz)	Level (dBm)	Det	Ant Factor (dB)	Amp\Cbl (dB)	Filter (dB)	EIRPCF (dB)	Reading (dBuV)	Limit (dBm)	Margin (dB)	Pol	Ant
1	Part 96	LTE B48	H	14724	-49.70	RMS	41.35	-22.54	0.69	-95.23	26.03	-40.00	-9.70	H	Main

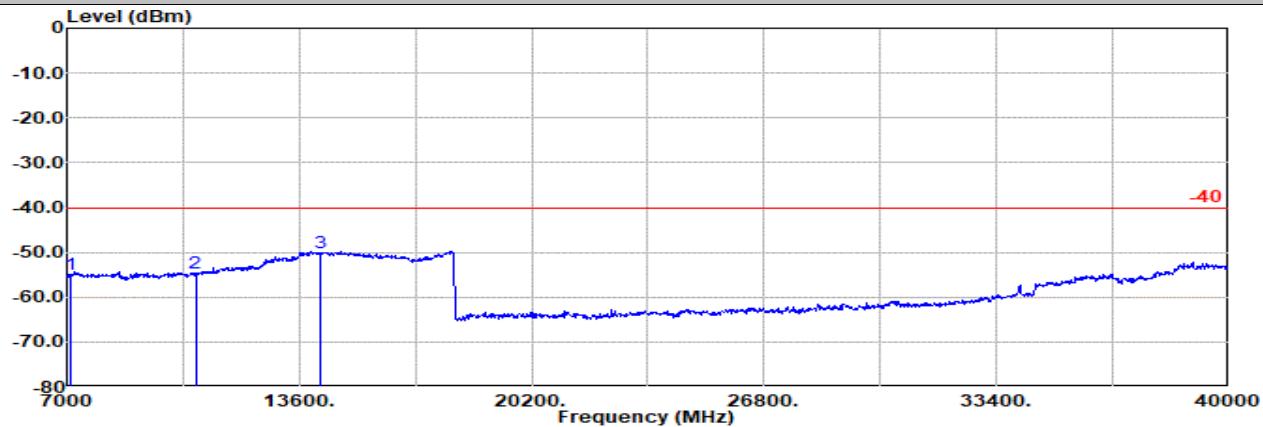


Main Antenna

Part 96 Mode 1

LTE B48 20M Ch55340 1RB0 QPSK

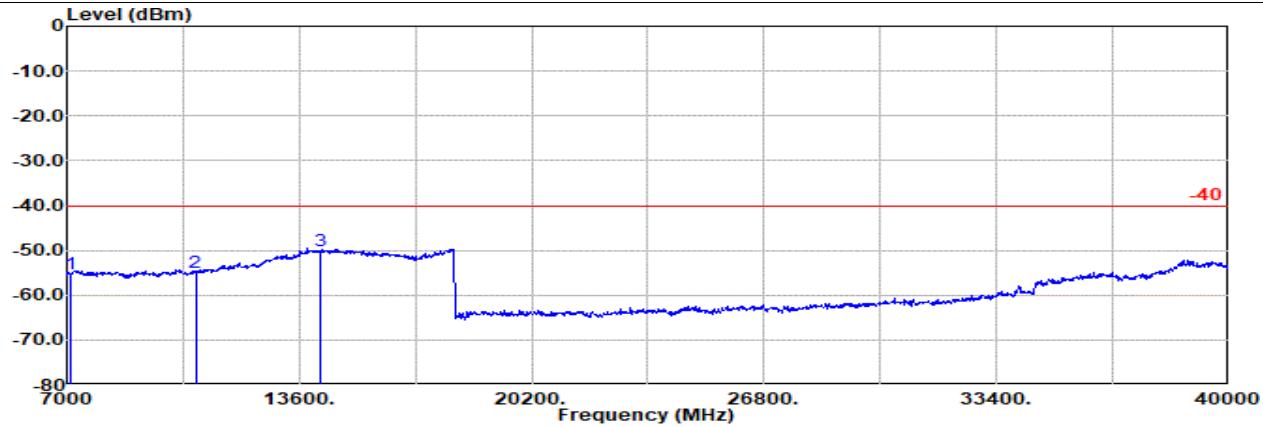
L



Site : 03CH21-HY

Condition: -40 1m BBHA9170_1223_240624 Horizontal
: LTE B48 20M Ch55340 1RB0 QPSK

Freq	Level	Detector	Ant Amp\Cb Filter			EIRPCF	Readin Limit		Margin	Pol
			Factor	1	dB/m		dB	dB		
1	7102.00	-54.83 RMS			36.30	-20.88	1.38	-95.23	23.60	-40.00
2	10653.00	-54.63 RMS			37.50	-21.43	0.79	-95.23	23.74	-40.00
3	14204.00	-50.09 RMS			41.20	-21.96	0.76	-95.23	25.14	-40.00



Site : 03CH21-HY

Condition: -40 1m BBHA9170_1223_240624 Vertical
: LTE B48 20M Ch55340 1RB0 QPSK

Freq	Level	Detector	Ant Amp\Cb Filter			EIRPCF	Readin Limit		Margin	Pol
			Factor	1	dB/m		dB	dB		
1	7102.00	-55.15 RMS			36.30	-20.88	1.38	-95.23	23.28	-40.00
2	10653.00	-54.88 RMS			37.50	-21.43	0.79	-95.23	23.49	-40.00
3	14204.00	-49.98 RMS			41.20	-21.96	0.76	-95.23	25.25	-40.00

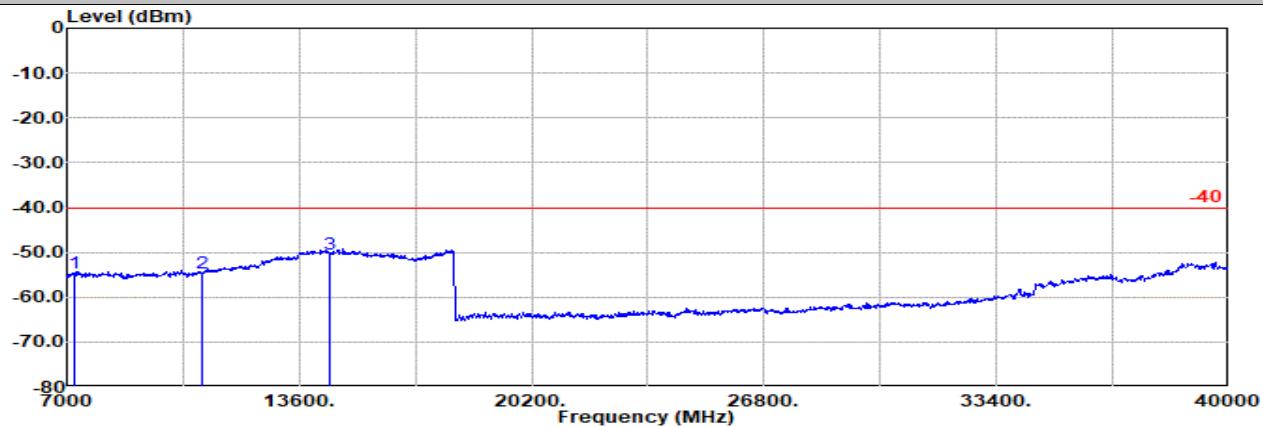


Main

Part 96 Mode 1

LTE B48 20M Ch55990 1RB0 QPSK

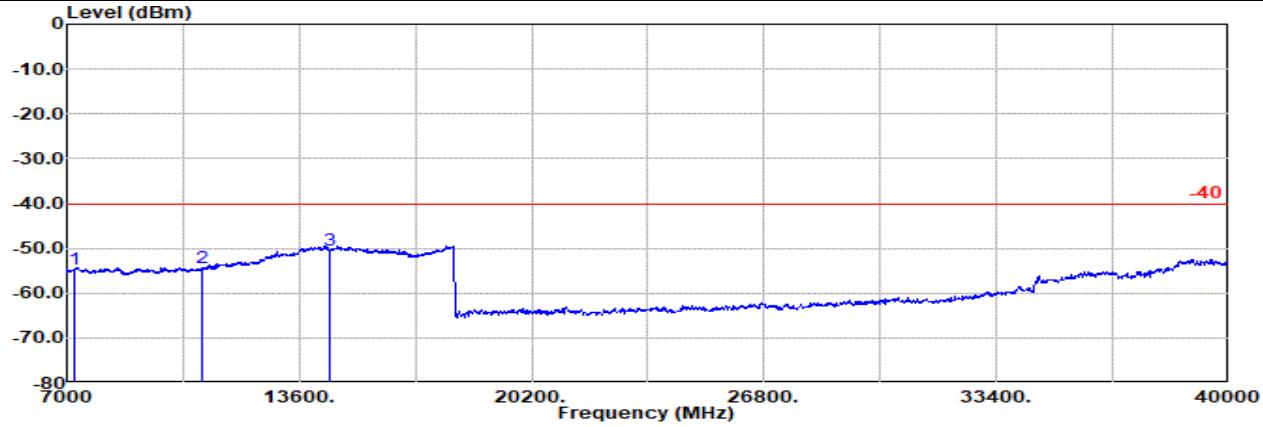
M



Site : 03CH21-HY

Condition: -40 1m BBHA9170_1223_240624 Horizontal
: LTE B48 20M Ch55990 1RB0 QPSK

Freq	Level	Detector	Ant Factor	Amp\Cb Filter		EIRPCF	Readin		Margin	Limit	Pol
				1	2		g	dBm			
1	7232.00	-54.56	RMS	36.56	-20.81	1.29	-95.23	23.63	-40.00	-14.56	Horizontal
2	10848.00	-54.56	RMS	37.50	-21.41	0.78	-95.23	23.80	-40.00	-14.56	Horizontal
3	14464.00	-50.28	RMS	41.23	-22.55	0.72	-95.23	25.55	-40.00	-10.28	Horizontal



Site : 03CH21-HY

Condition: -40 1m BBHA9170_1223_240624 Vertical
: LTE B48 20M Ch55990 1RB0 QPSK

Freq	Level	Detector	Ant Factor	Amp\Cb Filter		EIRPCF	Readin		Margin	Limit	Pol
				1	2		g	dBm			
1	7232.00	-54.50	RMS	36.56	-20.81	1.29	-95.23	23.69	-40.00	-14.50	Vertical
2	10848.00	-54.32	RMS	37.50	-21.41	0.78	-95.23	24.04	-40.00	-14.32	Vertical
3	14464.00	-50.29	RMS	41.23	-22.55	0.72	-95.23	25.54	-40.00	-10.29	Vertical

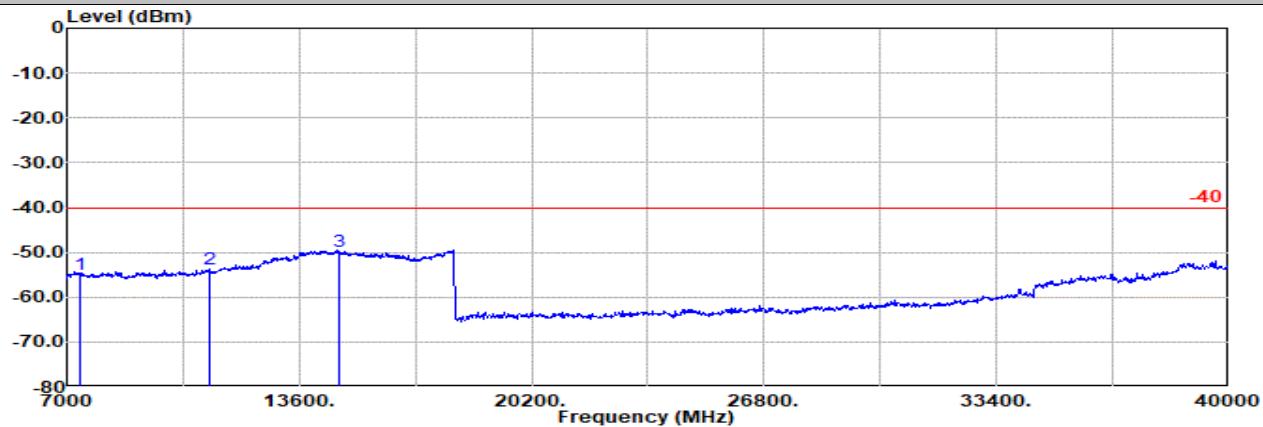


Main Antenna

Part 96 Mode 1

LTE B48 20M Ch56640 1RB0 QPSK

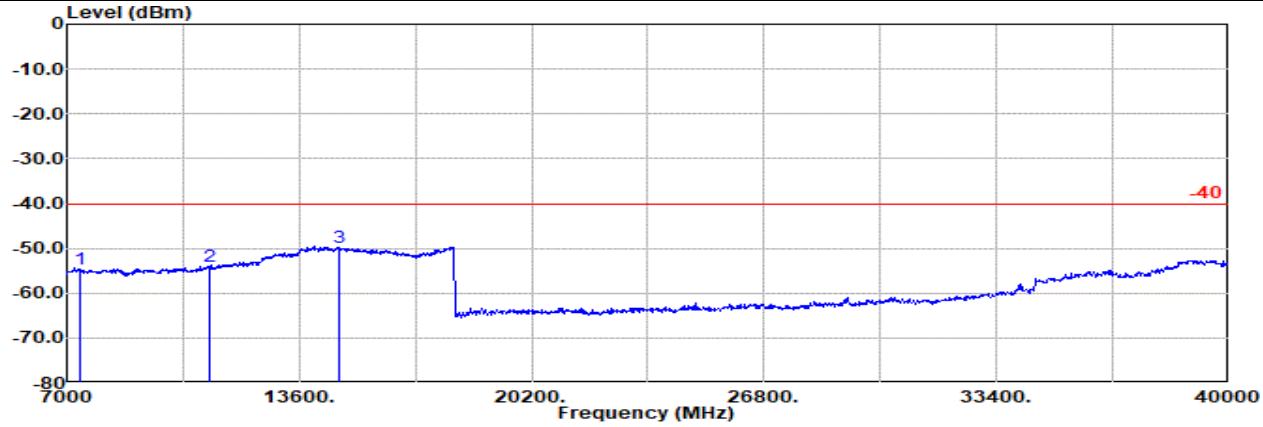
H



Site : 03CH21-HY

Condition: -40 1m BBHA9170_1223_240624 Horizontal
: LTE B48 20M Ch56640 1RB0 QPSK

Freq	Level	Detector	Ant Amp\Cb Filter			EIRPCF	Readin	Limit	Margin	Pol
			Factor	1	Filter					
1	7362.00	-54.84 RMS		36.80	-20.74	1.23	-95.23	23.10	-40.00	-14.84 Horizontal
2	11043.00	-53.83 RMS		37.79	-21.41	0.77	-95.23	24.25	-40.00	-13.83 Horizontal
3	14724.00	-49.70 RMS		41.35	-22.54	0.69	-95.23	26.03	-40.00	-9.70 Horizontal



Site : 03CH21-HY

Condition: -40 1m BBHA9170_1223_240624 Vertical
: LTE B48 20M Ch56640 1RB0 QPSK

Freq	Level	Detector	Ant Amp\Cb Filter			EIRPCF	Readin	Limit	Margin	Pol
			Factor	1	Filter					
1	7362.00	-54.75 RMS		36.80	-20.74	1.23	-95.23	23.19	-40.00	-14.75 Vertical
2	11043.00	-54.14 RMS		37.79	-21.41	0.77	-95.23	23.94	-40.00	-14.14 Vertical
3	14724.00	-49.75 RMS		41.35	-22.54	0.69	-95.23	25.98	-40.00	-9.75 Vertical

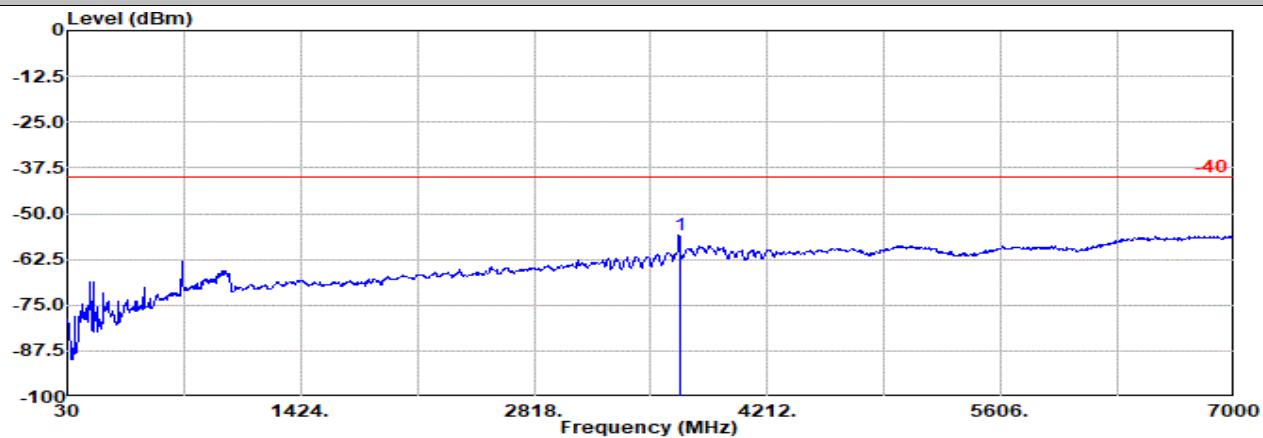


Main Antenna

Part 96 Mode 1

LTE B48 20M Ch56640 1RB0 QPSK

H



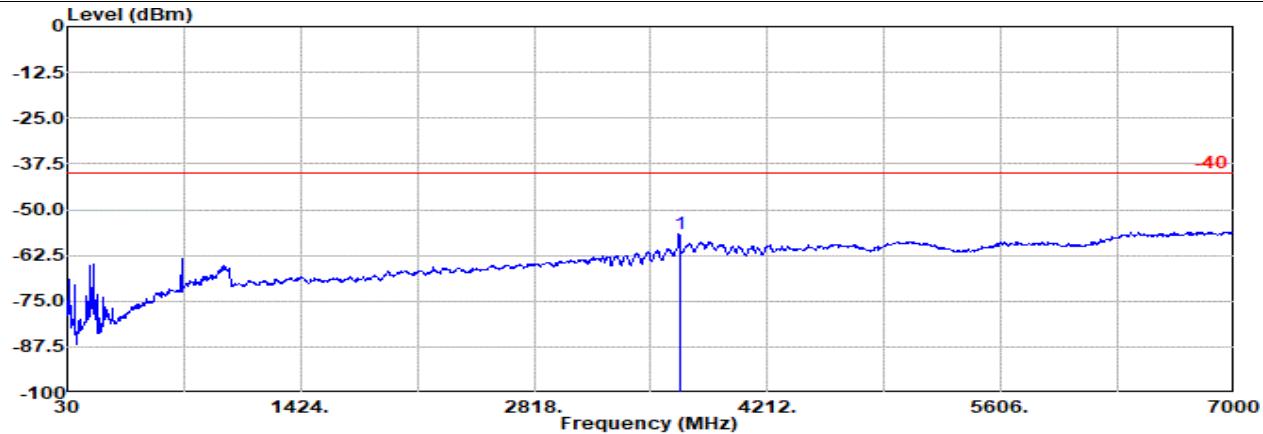
Site : 03CH21-HY

Condition: -40 3m DRH18-E LE2C03A18EN_240711 Horizontal

: LTE B48 20M Ch56640 1RB0 QPSK

: #1 is fundamental signal which can be ignored.

Freq	Level	Detector	Ant Factor	Amp\Cb		Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
				dB/m	dB						
1 3690.00	-55.83	RMS		29.56	-22.26	1.01	-95.23	31.09	-40.00	-15.83	Horizontal



Site : 03CH21-HY

Condition: -40 3m DRH18-E LE2C03A18EN_240711 Vertical

: LTE B48 20M Ch56640 1RB0 QPSK

: #1 is fundamental signal which can be ignored.

Freq	Level	Detector	Ant Factor	Amp\Cb		Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
				dB/m	dB						
1 3690.00	-56.44	RMS		29.56	-22.26	1.01	-95.23	30.48	-40.00	-16.44	Vertical

Remark: #1 is fundamental signal which can be ignored.