

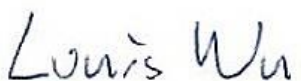


FCC RADIO TEST REPORT

FCC ID : ACJ9TGWW23C
Equipment : Radio Module
Brand Name : Panasonic
Model Name : WW23C
Applicant : Panasonic Corporation of North America
Two Riverfront Plaza, Newark, New
Jersey, 07102-5490, USA
Standard : FCC 47 CFR Part 2, 96

The product was received on Oct. 29, 2025 and testing was performed from Nov. 10, 2025 to Dec. 24, 2025. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI / TIA-603-E 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. Wensan Laboratory, the test report shall not be reproduced except in full.



Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory

No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)



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History of this test report

Report No.	Version	Description	Issue Date
FG5O2913D	01	Initial issue of report	Jan. 21, 2026



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046	Conducted Output Power	Pass	-
-	§96.41	Peak-to-Average Ratio	Pass	See Note
3.3	§96.41	Effective Isotropic Radiated Power TRP	Pass	-
-	§2.1049 §96.41	Occupied Bandwidth	Pass	See Note
-	§2.1051 §96.41	Conducted Band Edge Measurement	Pass	See Note
-	§2.1051 §96.41	Conducted Spurious Emission	Pass	See Note
-	§2.1055	Frequency Stability for Temperature & Voltage	Pass	See Note
4.4	§2.1053 §96.41	Radiated Spurious Emission	Pass	-

Remark:

1. For host device, the spot check Radiated Spurious Emission and complies with the limit in this test report.
2. For host device, the Conducted Output Power is no difference after compared to module (Model: WW23C)

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/manufacture 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: Keven Cheng**Report Producer: Shannon Hunag**



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
General Specs	WCDMA/LTE
Installed into the Host	Brand Name: Panasonic Model Name: FZ-56(mk1)
Antenna Type for Host	Monopole Antenna

Remark: The product was installed into Portable Computer (Brand Name: Panasonic, Model Name: FZ-56(mk1) during test.

Support band and evaluated information	
Supported band	B42,B48,B42C,B48C
Evaluated and Tested band	B42,B48,B42C,B48C
Band covered information	Wider operating frequency band range covers narrower one when the power is worse as follows: ■ B48 cover B42

TDD band Power Class				
	PC3			
B42/B42C	V			
B48/B48C	V			

Antenna information(dBi)							
Band	Ant 0 WWAN-main		Main Ant. #				
B42	1.78		0				
B48	1.78		0				

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Site

Test Site	Sporton 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.	Sporton Site No.	
	TH05-HY	03CH11-HY
Test Engineer	Cotty Hsu	Daniel Lee, Fu Chen, and Troye Hsieh
Temperature (°C)	22.4 ~ 22.8	19.0 ~ 21.8
Relative Humidity (%)	53.2 ~ 55.6	50.1 ~ 65.9

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

FCC Designation No.: 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
- ♦ ANSI / TIA-603-E
- ♦ 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.

For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape) and accessory (Adapter or Earphone), and adjusting the measurement antenna orientation, following C63.26 exploratory test procedures and only the worst case emissions were reported in this report..

Modulation Type	Modulation
A	QPSK
B	16QAM
C	64QAM

<LTE B48/B48C>

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	20 MHz	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. For LTE B48 the test country code is set to MCC 310

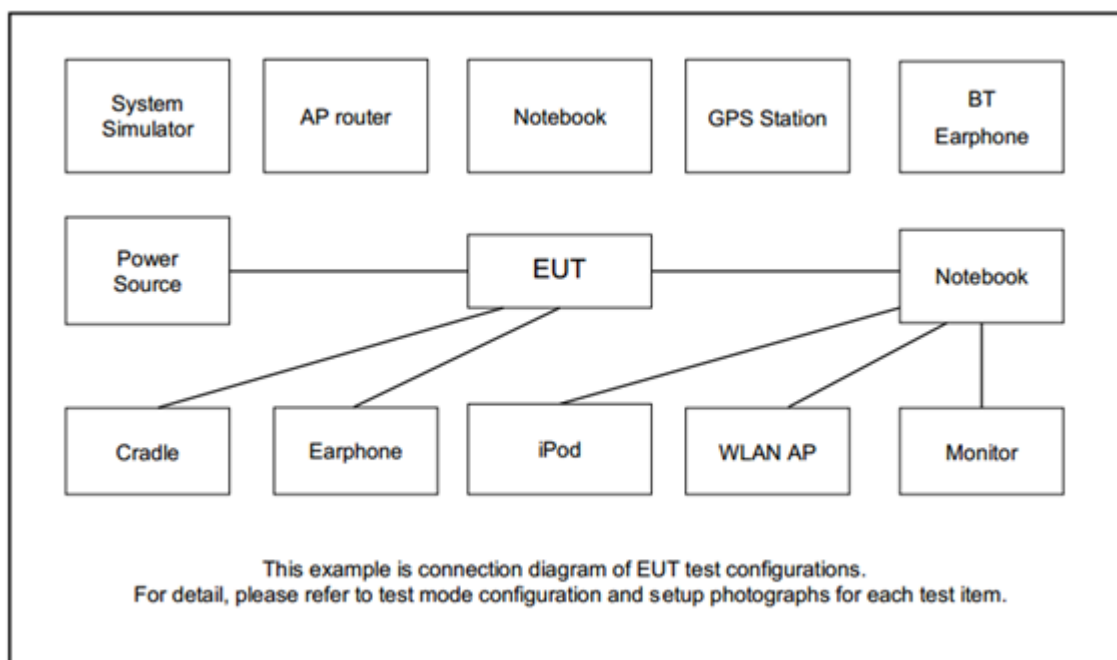
<LTE B42/B42C>

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

Remark:

1. Evaluated all the transmitter signal and reporting worst-case configuration among all modulation types.
2. For LTE B42 the test country code is set to MCC 310

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	A1285	DoC	UnShielded, 1.2m	N/A
2.	Base Station	Anritsu	8821C	N/A	N/A	N/A

2.4 Frequency List of Low/Middle/High Channels

LTE Band 42 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	43190	43340	43490
	Frequency	3560.0	3575.0	3590.0
15	Channel	43165	43340	43515
	Frequency	3557.5	3575.0	3592.5
10	Channel	43140	43340	43540
	Frequency	3555.0	3575.0	3595.0
5	Channel	43115	43340	43565
	Frequency	3552.5	3575.0	3597.5

LTE Band 48 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	55340	55990	56640
	Frequency	3560	3625	3690
15	Channel	55315	55990	56665
	Frequency	3557.5	3625	3692.5
10	Channel	55290	55990	56690
	Frequency	3555	3625	3695
5	Channel	55265	55990	56715
	Frequency	3552.5	3625	3697.5

LTE Band 42 Channel and Frequency List_CA					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
20 + 20	PCC	Channel	43190	43241	43292
		Frequency	3560.0	3565.1	3570.2
	SCC	Channel	43388	43439	43490
		Frequency	3579.8	3584.9	3590.0
20 + 15	PCC	Channel	43190	43266	43344
		Frequency	3560.0	3567.6	3575.4
	SCC	Channel	43361	43437	43515
		Frequency	3577.1	3584.7	3592.5
15 + 20	PCC	Channel	43165	43243	43319
		Frequency	3557.5	3565.3	3572.9
	SCC	Channel	43336	43414	43490
		Frequency	3574.6	3582.4	3590.0
20 + 10	PCC	Channel	43190	43291	43396
		Frequency	3560.0	3570.1	3580.6
	SCC	Channel	43334	43435	43540
		Frequency	3574.4	3584.5	3595.0
10 + 20	PCC	Channel	43140	43246	43346
		Frequency	3555.0	3565.6	3575.6
	SCC	Channel	43284	43390	43490
		Frequency	3569.4	3580.0	3590.0
20 + 5	PCC	Channel	43190	43315	43448
		Frequency	3560.0	3572.5	3585.8
	SCC	Channel	43307	43432	43565
		Frequency	3571.7	3584.2	3597.5
5 + 20	PCC	Channel	43115	43248	43373
		Frequency	3552.5	3565.8	3578.3
	SCC	Channel	43232	43365	43490
		Frequency	3564.2	3577.5	3590.0



LTE Band 48C Channel and Frequency List_CA					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
20 + 20	PCC	Channel	55340	55891	56442
		Frequency	3560	3615.1	3670.2
	SCC	Channel	55538	56089	56640
		Frequency	3579.8	3634.9	3690.0
20 + 15	PCC	Channel	55340	55916	56491
		Frequency	3560	3617.6	3675.1
	SCC	Channel	55511	56087	56662
		Frequency	3577.1	3634.7	3692.2
15 + 20	PCC	Channel	55318	55893	56469
		Frequency	3557.8	3615.3	3672.9
	SCC	Channel	55489	56064	56640
		Frequency	3574.9	3632.4	3690.0
20 + 10	PCC	Channel	55340	55941	56541
		Frequency	3560	3620.1	3680.1
	SCC	Channel	55484	56085	56685
		Frequency	3574.4	3634.5	3694.5
10 + 20	PCC	Channel	55295	55896	56496
		Frequency	3555.5	3615.6	3675.6
	SCC	Channel	55439	56040	56640
		Frequency	3569.9	3630	3690
20 + 5	PCC	Channel	55340	55965	56590
		Frequency	3560	3622.5	3685
	SCC	Channel	55457	56082	56707
		Frequency	3571.7	3634.2	3696.7
5 + 20	PCC	Channel	55273	55896	56523
		Frequency	3553.3	3615.6	3678.3
	SCC	Channel	55390	56015	56640
		Frequency	3565	3627.5	3690.0

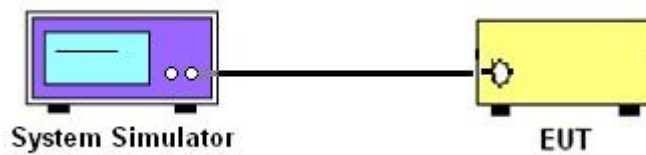
3 Conducted Test Items

3.1 Measuring Instruments

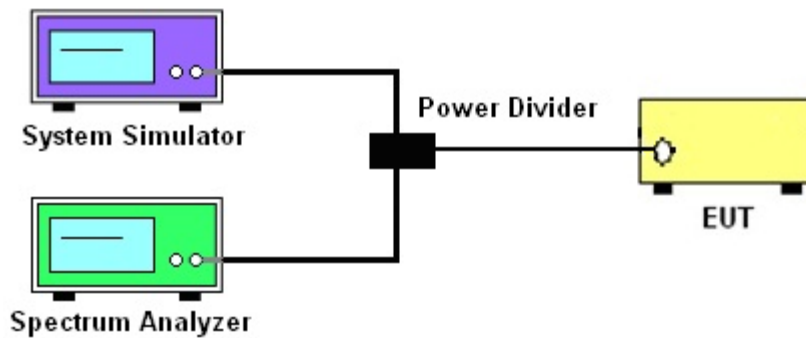
See list of measuring instruments of this test report.

3.1.1 Test Setup

3.1.2 Conducted Output Power



3.1.3 EIRP



3.1.4 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,

$EIRP = P_T + G_T - LC$, where

P_T = transmitter output power in dBm

G_T = 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
Category A CBSD	30	20
Category B CBSD	47	37

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.

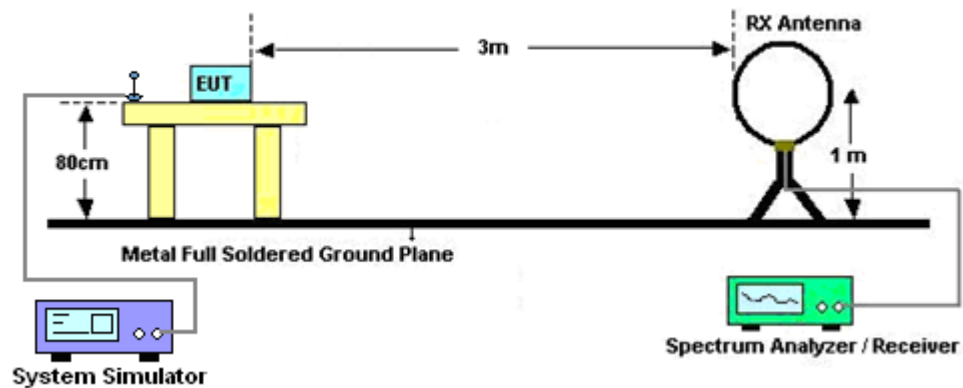
4 Radiated Test Items

4.1 Measuring Instruments

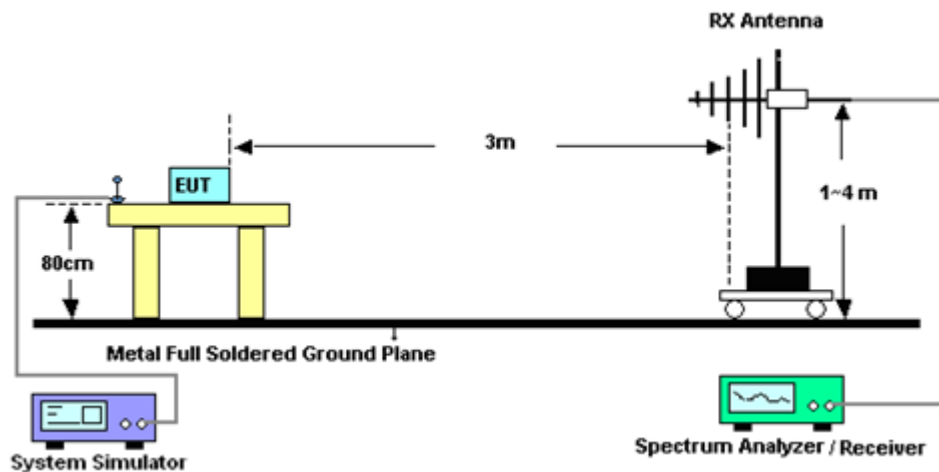
See list of measuring instruments of this test report.

4.2 Test Setup

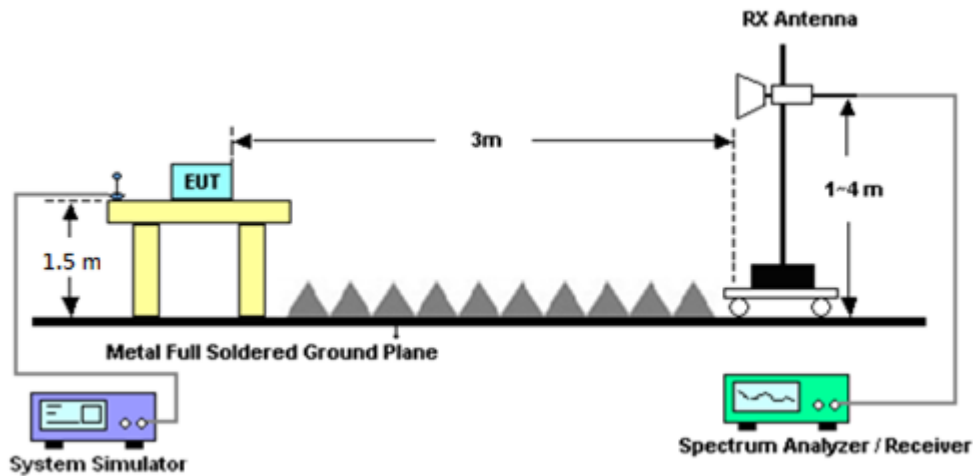
For radiated test below 30MHz



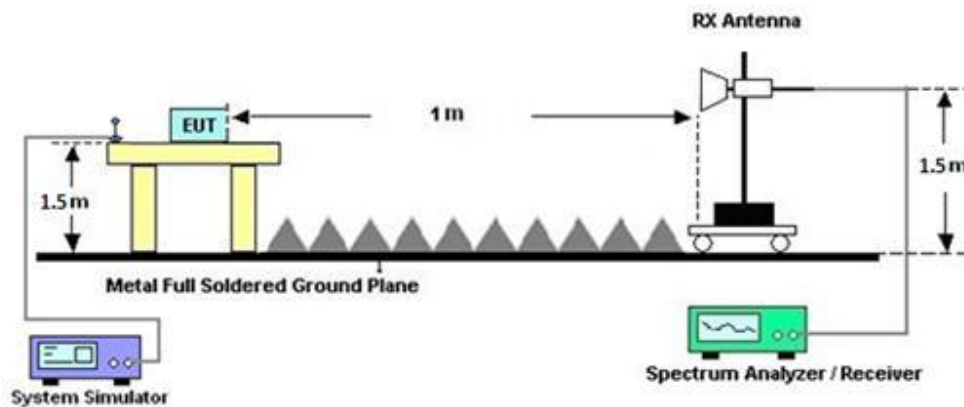
For radiated test from 30MHz to 1GHz



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 substitution method according to ANSI / TIA-603-E.

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(dBuV/m) to EIRP(dBm)
$$\text{EIRP(dBm)} = \text{Level (dBuV/m)} + 20\log(d) - 104.77,$$
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. ERP (dBm) = EIRP (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
Bilog Antenna with 6dB pad	TESEQ & VGT	CBL 6111D & VFA_Z-04002-N-06	66925 & 24006	30MHz~1GHz	Feb. 19, 2025	Nov. 10, 2025~Nov. 14, 2025	Feb. 18, 2026	Radiation (03CH11-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2E	101108	9 kHz~30 MHz	Dec. 18, 2024	Nov. 10, 2025~Nov. 14, 2025	Dec. 17, 2025	Radiation (03CH11-HY)
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-01620	1GHz~18GHz	Sep. 15, 2025	Nov. 10, 2025~Nov. 14, 2025	Sep. 14, 2026	Radiation (03CH11-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	1223	18GHz~40GHz	Jul. 02, 2025	Nov. 10, 2025~Nov. 14, 2025	Jul. 01, 2026	Radiation (03CH11-HY)
Amplifier	SONOMA	310N	187312	9kHz~1GHz	Dec. 07, 2024	Nov. 10, 2025~Nov. 14, 2025	Dec. 06, 2025	Radiation (03CH11-HY)
Preamplifier	Keysight	83017A	MY53270080	1GHz~26.5GHz	Mar. 24, 2025	Nov. 10, 2025~Nov. 14, 2025	Mar. 23, 2026	Radiation (03CH11-HY)
Preamplifier	E-INSTRUMENT TECH LTD.	ERA-100M-18G-56-01-A70	EC1900249	1GHz~18GHz	Jan. 21, 2025	Nov. 10, 2025~Nov. 14, 2025	Jan. 20, 2026	Radiation (03CH11-HY)
Preamplifier	EMEC	EM18G40G	060871	18GHz~40GHz	Aug. 25, 2025	Nov. 10, 2025~Nov. 14, 2025	Aug. 24, 2026	Radiation (03CH11-HY)
Signal Analyzer	Keysight	N9010A	MY54200486	10Hz~44GHz	Oct. 23, 2025	Nov. 10, 2025~Nov. 14, 2025	Oct. 22, 2026	Radiation (03CH11-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY55420170	20MHz~8.4GHz	Jul. 22, 2025	Nov. 10, 2025~Nov. 14, 2025	Jul. 21, 2026	Radiation (03CH11-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	Nov. 10, 2025~Nov. 14, 2025	N/A	Radiation (03CH11-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Nov. 10, 2025~Nov. 14, 2025	N/A	Radiation (03CH11-HY)
Turn Table	EMEC	TT 2000	N/A	0~360 Degree	N/A	Nov. 10, 2025~Nov. 14, 2025	N/A	Radiation (03CH11-HY)
Software	Audix	E3 6.2009-8-24	RK-002391	N/A	N/A	Nov. 10, 2025~Nov. 14, 2025	N/A	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804013/2	30M~40G	Mar. 05, 2025	Nov. 10, 2025~Nov. 14, 2025	Mar. 04, 2026	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9K~30M	Mar. 05, 2025	Nov. 10, 2025~Nov. 14, 2025	Mar. 04, 2026	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	30M~40G	Mar. 05, 2025	Nov. 10, 2025~Nov. 14, 2025	Mar. 04, 2026	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	805139 2	30M~40G	May 10, 2025	Nov. 10, 2025~Nov. 14, 2025	May 09, 2026	Radiation (03CH11-HY)
Filter	Wainwright	WHKX12-900-1000-15000-60SS	SN12	1GHz High Pass Filter	Sep. 09, 2025	Nov. 10, 2025~Nov. 14, 2025	Sep. 08, 2026	Radiation (03CH11-HY)
Filter	Wainwright	WHKX12-2700-3000-18000-60SS	SN3	3GHz High Pass Filter	Sep. 09, 2025	Nov. 10, 2025~Nov. 14, 2025	Sep. 08, 2026	Radiation (03CH11-HY)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40SS	SN3	6.75GHz High Pass Filter	Sep. 09, 2025	Nov. 10, 2025~Nov. 14, 2025	Sep. 08, 2026	Radiation (03CH11-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Radio Communication Analyzer	Anritsu	MT8821C	626202534 1	LTE FDD/TDD LTE-2CC ULCA/DLCA	Sep. 16, 2025	Dec. 07, 2025~ Dec. 24, 2025	Sep. 15, 2026	Conducted (TH05-HY)
DC Power Supply	GW Instek	GPE-2323	GET86154 6	0V~64V ; 0A~6A	Jun. 03, 2025	Dec. 07, 2025~ Dec. 24, 2025	Jun. 02, 2026	Conducted (TH05-HY)
Coupler	MVE	MVE4816	#Y	0.5~18GHz	Oct. 16, 2025	Dec. 07, 2025~ Dec. 24, 2025	Oct. 15, 2026	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101907	10Hz~40GHz	Aug. 25, 2025	Dec. 07, 2025~ Dec. 24, 2025	Aug. 24, 2026	Conducted (TH05-HY)
Thermal Chamber	ESPEC	SU-241	92003713	-30°C ~95°C	May. 12, 2025	Dec. 07, 2025~ Dec. 24, 2025	May. 11, 2026	Conducted (TH05-HY)
Power divider	Anritsu	K241C	2143398	9KHz~40GHz	Jun. 13, 2025	Dec. 07, 2025~ Dec. 24, 2025	Jun. 12, 2026	Conducted (TH05-HY)
Software	Sporton	LTE Conducted Test Tools	N/A	Conducted Test Item	N/A	Dec. 07, 2025~ Dec. 24, 2025	N/A	Conducted (TH05-HY)
Hygrometer	TECPEL	DTM-303B	TP200886	-10 ~ 50°C / 20 ~ 95%RH	Mar. 03, 2025	Dec. 07, 2025~ Dec. 24, 2025	Mar. 02, 2026	Conducted (TH05-HY)



6 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.5 dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 6 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.9 dB
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Uncertainty of Radiated Emission Measurement (6 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.7 dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.9 dB
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Appendix A. Test Results of Conducted Test

Conducted Output Power (Average power and EIRP)

Part 96 LTE Band 48 Maximum Average Power [dBm] (GT - LC = 1.78 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	18.57	18.23	18.31	20.35	0.1084
20	1	49		18.31	18.14	18.13		
20	1	99		18.40	18.27	18.22		
20	50	0		17.35	17.20	17.17		
20	50	24		17.30	17.13	17.12		
20	50	50		17.28	17.16	17.16		
20	100	0		17.29	17.16	17.11		
20	1	0	16-QAM	17.45	17.28	17.28	19.23	0.0838
20	1	49		17.43	17.29	17.31		
20	1	99		17.38	17.20	17.20		
20	50	0		16.38	16.22	16.24		
20	50	24		16.43	16.30	16.25		
20	50	50		16.41	16.26	16.24		
20	100	0		16.41	16.24	16.28		
20	1	0	64-QAM	16.05	15.92	15.92	17.83	0.0607
20	1	49		16.02	15.87	15.86		
20	1	99		16.00	15.83	15.85		
20	50	0		15.40	15.27	15.23		
20	50	24		15.34	15.17	15.16		
20	50	50		15.35	15.23	15.22		
20	100	0		15.36	15.21	15.19		
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 = 1.78 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	18.44	18.16	18.25	20.22	0.1052
15	1	37		18.24	18.01	18.03		
15	1	74		18.28	18.25	18.13		
15	36	0		17.26	17.11	17.14		
15	36	20		17.28	17.09	17.06		
15	36	39		17.21	17.13	17.02		
15	75	0		17.19	17.01	16.98		
15	1	0	16-QAM	17.38	17.15	17.22	19.19	0.0830
15	1	37		17.41	17.23	17.18		
15	1	74		17.24	17.18	17.17		
15	36	0		16.26	16.14	16.10		
15	36	20		16.31	16.15	16.16		
15	36	39		16.32	16.14	16.20		
15	75	0		16.27	16.13	16.26		
15	1	0	64-QAM	15.91	15.83	15.87	17.72	0.0592
15	1	37		15.94	15.86	15.79		
15	1	74		15.88	15.80	15.77		
15	36	0		15.26	15.17	15.09		
15	36	20		15.21	15.08	15.05		
15	36	39		15.24	15.19	15.18		
15	75	0		15.31	15.15	15.06		
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 = 1.78 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	18.49	18.17	18.27	20.27	0.1064
10	1	25		18.27	18.12	18.03		
10	1	49		18.28	18.19	18.19		
10	25	0		17.31	17.14	17.10		
10	25	12		17.24	16.99	17.08		
10	25	25		17.24	17.13	17.15		
10	50	0		17.20	17.08	17.08		
10	1	0	16-QAM	17.30	17.22	17.17	19.10	0.0813
10	1	25		17.32	17.27	17.22		
10	1	49		17.24	17.05	17.09		
10	25	0		16.29	16.19	16.15		
10	25	12		16.35	16.22	16.12		
10	25	25		16.40	16.15	16.18		
10	50	0		16.29	16.19	16.17		
10	1	0	64-QAM	16.03	15.90	15.83	17.81	0.0604
10	1	25		15.90	15.74	15.79		
10	1	49		15.88	15.71	15.81		
10	25	0		15.37	15.22	15.21		
10	25	12		15.22	15.10	15.03		
10	25	25		15.25	15.13	15.18		
10	50	0		15.31	15.11	15.14		
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 = 1.78 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	18.49	18.19	18.29	20.27	0.1064
5	1	12		18.19	18.13	18.12		
5	1	24		18.37	18.15	18.16		
5	12	0		17.26	17.10	17.06		
5	12	7		17.28	17.02	17.09		
5	12	13		17.22	17.07	17.06		
5	25	0		17.25	17.05	16.98		
5	1	0	16-QAM	17.33	17.27	17.19	19.11	0.0815
5	1	12		17.30	17.16	17.28		
5	1	24		17.25	17.10	17.06		
5	12	0		16.36	16.16	16.17		
5	12	7		16.33	16.20	16.22		
5	12	13		16.30	16.19	16.09		
5	25	0		16.34	16.20	16.20		
5	1	0	64-QAM	15.98	15.91	15.89	17.76	0.0597
5	1	12		15.95	15.76	15.73		
5	1	24		15.98	15.75	15.71		
5	12	0		15.31	15.22	15.15		
5	12	7		15.22	15.09	15.04		
5	12	13		15.22	15.16	15.11		
5	25	0		15.31	15.09	15.11		
Limit	EIRP < 23dBm/10MHz			Result			Pass	

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

Part 96 LTE Band 42 Maximum Average Power [dBm] (GT - LC = 1.78 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	18.34	18.43	18.40	20.21	0.1050
20	1	49		18.18	18.33	18.18		
20	1	99		18.25	18.40	18.35		
20	50	0		17.30	17.44	17.32		
20	50	24		17.19	17.37	17.32		
20	50	50		17.09	17.32	17.20		
20	100	0		17.20	17.33	17.16		
20	1	0	16-QAM	17.29	17.52	17.41	19.30	0.0851
20	1	49		17.17	17.40	17.36		
20	1	99		17.22	17.35	17.25		
20	50	0		16.33	16.42	16.28		
20	50	24		16.16	16.38	16.25		
20	50	50		16.18	16.36	16.21		
20	100	0		16.20	16.37	16.23		
20	1	0	64-QAM	15.92	16.02	15.93	17.83	0.0607
20	1	49		15.83	15.99	15.85		
20	1	99		15.87	16.05	16.00		
20	50	0		15.30	15.41	15.24		
20	50	24		15.20	15.36	15.28		
20	50	50		15.17	15.34	15.26		
20	100	0		15.13	15.35	15.27		
Limit	EIRP < 23dBm/10MHz			Result			Pass	

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

Part 96 LTE Band 42 Maximum Average Power [dBm] (GT - LC = 1.78 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	18.22	18.33	18.33	20.14	0.1033
15	1	37		18.15	18.20	18.08		
15	1	74		18.19	18.36	18.33		
15	36	0		17.16	17.42	17.17		
15	36	20		17.13	17.35	17.17		
15	36	39		17.02	17.30	17.15		
15	75	0		17.09	17.22	17.08		
15	1	0	16-QAM	17.19	17.51	17.29	19.29	0.0849
15	1	37		17.08	17.31	17.30		
15	1	74		17.19	17.30	17.18		
15	36	0		16.23	16.38	16.27		
15	36	20		16.04	16.31	16.11		
15	36	39		16.05	16.26	16.19		
15	75	0		16.10	16.31	16.09		
15	1	0	64-QAM	15.90	15.88	15.82	17.74	0.0594
15	1	37		15.69	15.91	15.72		
15	1	74		15.86	15.95	15.96		
15	36	0		15.29	15.27	15.22		
15	36	20		15.17	15.24	15.17		
15	36	39		15.09	15.32	15.17		
15	75	0		15.08	15.31	15.23		
Limit	EIRP < 23dBm/10MHz			Result			Pass	

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

Part 96 LTE Band 42 Maximum Average Power [dBm] (GT - LC = 1.78 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	18.23	18.28	18.36	20.14	0.1033
10	1	25		18.15	18.28	18.10		
10	1	49		18.18	18.35	18.24		
10	25	0		17.15	17.31	17.25		
10	25	12		17.12	17.28	17.23		
10	25	25		16.96	17.20	17.14		
10	50	0		17.14	17.19	17.04		
10	1	0	16-QAM	17.25	17.44	17.30	19.22	0.0836
10	1	25		17.14	17.30	17.33		
10	1	49		17.15	17.23	17.14		
10	25	0		16.32	16.31	16.16		
10	25	12		16.05	16.33	16.13		
10	25	25		16.04	16.30	16.08		
10	50	0		16.06	16.28	16.15		
10	1	0	64-QAM	15.87	15.99	15.91	17.77	0.0598
10	1	25		15.73	15.86	15.71		
10	1	49		15.77	15.96	15.92		
10	25	0		15.21	15.40	15.17		
10	25	12		15.10	15.26	15.16		
10	25	25		15.05	15.19	15.17		
10	50	0		15.10	15.28	15.16		
Limit	EIRP < 23dBm/10MHz			Result			Pass	

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

Part 96 LTE Band 42 Maximum Average Power [dBm] (GT - LC = 1.78 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	18.29	18.37	18.32	20.16	0.1038
5	1	12		18.16	18.22	18.08		
5	1	24		18.18	18.38	18.32		
5	12	0		17.27	17.38	17.24		
5	12	7		17.10	17.35	17.31		
5	12	13		16.97	17.27	17.05		
5	25	0		17.14	17.28	17.06		
5	1	0	16-QAM	17.16	17.39	17.38	19.17	0.0826
5	1	12		17.09	17.38	17.22		
5	1	24		17.13	17.22	17.12		
5	12	0		16.23	16.31	16.24		
5	12	7		16.12	16.31	16.15		
5	12	13		16.06	16.25	16.19		
5	25	0		16.15	16.26	16.16		
5	1	0	64-QAM	15.83	15.99	15.85	17.77	0.0598
5	1	12		15.75	15.88	15.74		
5	1	24		15.79	15.95	15.94		
5	12	0		15.19	15.36	15.19		
5	12	7		15.15	15.25	15.14		
5	12	13		15.06	15.25	15.14		
5	25	0		15.09	15.32	15.18		
Limit	EIRP < 23dBm/10MHz			Result			Pass	

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

Part 96 LTE Band 42C_CA Maximum Average Power [dBm] (GT - LC = 1.78 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+20	100	0	100	0	QPSK	10.59	10.59	10.57	20.71	0.1178
20+20	1	0	1	99		-0.49	-0.47	-0.49		
20+20	1	99	1	0		18.92	18.91	18.93		
20+20	100	0	100	0	16-QAM	10.64	10.60	10.61	21.22	0.1324
20+20	1	0	1	99		-0.04	-0.04	-0.01		
20+20	1	99	1	0		19.44	19.41	19.42		
20+20	100	0	100	0	64-QAM	10.61	10.59	10.56	18.38	0.0689
20+20	1	0	1	99		-0.35	-0.35	-0.33		
20+20	1	99	1	0		16.60	16.59	16.58		
20+15	100	0	75	0	QPSK	10.57	10.58	10.59	20.72	0.1180
20+15	1	0	1	74		-0.49	-0.50	-0.49		
20+15	1	99	1	0		18.91	18.92	18.94		
20+15	100	0	75	0	16-QAM	10.58	10.58	10.61	21.23	0.1327
20+15	1	0	1	74		-0.03	-0.02	-0.03		
20+15	1	99	1	0		19.42	19.41	19.45		
20+15	100	0	75	0	64-QAM	10.60	10.56	10.59	18.41	0.0693
20+15	1	0	1	74		-0.35	-0.34	-0.36		
20+15	1	99	1	0		16.59	16.58	16.63		
15+20	75	0	100	0	QPSK	10.56	10.57	10.56	20.73	0.1183
15+20	1	0	1	99		-0.54	-0.49	-0.52		
15+20	1	74	1	0		18.95	18.94	18.94		
15+20	75	0	100	0	16-QAM	10.42	10.58	10.56	21.22	0.1324
15+20	1	0	1	99		-0.06	-0.06	-0.08		
15+20	1	74	1	0		19.44	19.43	19.43		
15+20	75	0	100	0	64-QAM	10.55	10.58	10.55	18.39	0.0690
15+20	1	0	1	99		-0.38	-0.36	-0.39		
15+20	1	74	1	0		16.61	16.57	16.58		
Limit	EIRP < 23dBm/10MHz					Result			Pass	

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

Part 96 LTE Band 42C_CA Maximum Average Power [dBm] (GT - LC = 1.78 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+10	100	0	50	0	QPSK	11.58	11.60	11.63	20.86	0.1219
20+10	1	0	1	49		-0.49	-0.49	-0.51		
20+10	1	99	1	0		18.99	19.01	19.08		
20+10	100	0	50	0	16-QAM	11.63	11.58	11.65	21.37	0.1371
20+10	1	0	1	49		-0.05	-0.01	-0.06		
20+10	1	99	1	0		19.50	19.51	19.59		
20+10	100	0	50	0	64-QAM	11.58	11.56	11.62	18.52	0.0711
20+10	1	0	1	49		-0.36	-0.34	-0.38		
20+10	1	99	1	0		16.65	16.66	16.74		
10+20	50	0	100	0	QPSK	11.58	11.57	11.56	20.77	0.1194
10+20	1	0	1	99		-0.48	-0.50	-0.48		
10+20	1	49	1	0		18.99	18.96	18.97		
10+20	50	0	100	0	16-QAM	11.63	11.64	11.58	21.27	0.1340
10+20	1	0	1	99		-0.04	-0.01	-0.05		
10+20	1	49	1	0		19.49	19.47	19.47		
10+20	50	0	100	0	64-QAM	11.62	11.60	11.55	18.43	0.0697
10+20	1	0	1	99		-0.36	-0.35	-0.48		
10+20	1	49	1	0		16.65	16.61	16.61		
20+5	100	0	25	0	QPSK	11.59	11.56	11.63	15.96	0.0394
20+5	1	0	1	24		-0.48	-0.49	-0.43		
20+5	1	99	1	0		14.07	14.00	14.18		
20+5	100	0	25	0	16-QAM	11.59	11.56	11.63	16.23	0.0420
20+5	1	0	1	24		0.02	0.03	0.08		
20+5	1	99	1	0		14.35	14.28	14.45		
20+5	100	0	25	0	64-QAM	11.61	11.59	11.64	17.40	0.0550
20+5	1	0	1	24		-0.29	-0.27	-0.25		
20+5	1	99	1	0		15.62	13.81	13.97		
Limit	EIRP < 23dBm/10MHz					Result			Pass	

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

Part 96 LTE Band 42C_CA Maximum Average Power [dBm] (GT - LC = 1.78 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
5+20	25	0	100	0	QPSK	11.59	11.54	11.56	17.34	0.0542
5+20	1	0	1	99		-0.52	-0.52	-0.52		
5+20	1	24	1	0		15.56	15.55	15.51		
5+20	25	0	100	0	16-QAM	11.57	11.58	11.57	17.78	0.0600
5+20	1	0	1	99		-0.07	-0.07	-0.07		
5+20	1	24	1	0		16.00	15.99	15.99		
5+20	25	0	100	0	64-QAM	11.61	11.62	11.57	17.52	0.0565
5+20	1	0	1	99		-0.36	-0.35	-0.36		
5+20	1	24	1	0		15.74	15.71	15.67		
Limit	EIRP < 23dBm/10MHz					Result			Pass	

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

Part 96 LTE Band 48C_CA Maximum Average Power [dBm] (GT - LC = 1.78 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+20	100	0	100	0	QPSK	8.49	14.96	8.40	20.13	0.1030
20+20	1	0	1	99		1.45	7.96	1.27		
20+20	1	99	1	0		14.86	18.35	14.77		
20+20	100	0	100	0	16-QAM	8.57	15.00	8.43	20.71	0.1178
20+20	1	0	1	99		1.96	8.45	1.76		
20+20	1	99	1	0		15.22	18.93	15.24		
20+20	100	0	100	0	64-QAM	8.55	14.98	8.41	18.34	0.0682
20+20	1	0	1	99		1.61	8.13	1.42		
20+20	1	99	1	0		15.00	16.56	14.96		
20+15	100	0	75	0	QPSK	8.54	14.99	8.39	20.11	0.1026
20+15	1	0	1	74		1.43	7.88	1.26		
20+15	1	99	1	0		13.34	18.33	13.26		
20+15	100	0	75	0	16-QAM	8.32	15.01	8.41	20.64	0.1159
20+15	1	0	1	74		1.99	8.36	1.73		
20+15	1	99	1	0		13.79	18.86	13.73		
20+15	100	0	75	0	64-QAM	8.51	15.01	8.38	18.29	0.0675
20+15	1	0	1	74		1.58	8.03	1.43		
20+15	1	99	1	0		13.53	16.51	13.40		
15+20	75	0	100	0	QPSK	8.50	14.98	8.38	20.17	0.1040
15+20	1	0	1	99		1.42	7.89	1.27		
15+20	1	74	1	0		13.38	18.39	13.28		
15+20	75	0	100	0	16-QAM	8.34	15.03	8.39	20.69	0.1172
15+20	1	0	1	99		1.90	8.37	1.75		
15+20	1	74	1	0		13.84	18.91	13.76		
15+20	75	0	100	0	64-QAM	8.56	15.02	8.43	18.34	0.0682
15+20	1	0	1	99		1.60	8.05	1.45		
15+20	1	74	1	0		13.53	16.56	13.41		
Limit	EIRP < 23dBm/10MHz					Result			Pass	

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

Part 96 LTE Band 48C_CA Maximum Average Power [dBm] (GT - LC = 1.78 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+10	100	0	50	0	QPSK	8.54	14.99	8.36	19.66	0.0925
20+10	1	0	1	49		1.44	7.91	1.28		
20+10	1	99	1	0		13.42	17.88	13.32		
20+10	100	0	50	0	16-QAM	8.15	15.03	8.38	20.18	0.1042
20+10	1	0	1	49		1.93	8.39	1.76		
20+10	1	99	1	0		13.85	18.40	13.77		
20+10	100	0	50	0	64-QAM	8.52	14.99	8.40	18.35	0.0684
20+10	1	0	1	49		1.60	8.07	1.41		
20+10	1	99	1	0		13.58	16.57	13.49		
10+20	50	0	100	0	QPSK	8.51	14.99	8.38	19.69	0.0931
10+20	1	0	1	99		1.42	7.92	1.31		
10+20	1	49	1	0		13.42	17.91	13.29		
10+20	50	0	100	0	16-QAM	8.58	15.06	8.41	20.26	0.1062
10+20	1	0	1	99		1.95	8.40	1.82		
10+20	1	49	1	0		13.87	18.48	13.78		
10+20	50	0	100	0	64-QAM	8.56	15.03	8.44	18.41	0.0693
10+20	1	0	1	99		1.61	8.07	1.47		
10+20	1	49	1	0		13.58	16.63	13.46		
20+5	100	0	25	0	QPSK	7.51	15.47	7.40	19.12	0.0817
20+5	1	0	1	24		1.52	8.03	1.25		
20+5	1	99	1	0		14.77	17.34	14.54		
20+5	100	0	25	0	16-QAM	7.35	15.49	7.38	19.65	0.0923
20+5	1	0	1	24		1.83	8.54	1.37		
20+5	1	99	1	0		15.17	17.87	15.00		
20+5	100	0	25	0	64-QAM	7.55	15.51	7.37	17.79	0.0601
20+5	1	0	1	24		1.51	8.54	1.06		
20+5	1	99	1	0		15.08	16.01	14.66		
Limit	EIRP < 23dBm/10MHz					Result			Pass	

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

Part 96 LTE Band 48C_CA Maximum Average Power [dBm] (GT - LC = 1.78 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
5+20	25	0	100	0	QPSK	7.49	15.48	7.33	19.26	0.0843
5+20	1	0	1	99		1.42	7.91	1.28		
5+20	1	24	1	0		13.97	17.48	13.84		
5+20	25	0	100	0	16-QAM	7.51	15.51	7.35	19.72	0.0938
5+20	1	0	1	99		1.89	8.37	1.74		
5+20	1	24	1	0		14.40	17.94	14.29		
5+20	25	0	100	0	64-QAM	7.54	15.55	7.37	18.43	0.0697
5+20	1	0	1	99		1.59	8.08	1.45		
5+20	1	24	1	0		14.11	16.65	13.96		
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

Test Engineer :	Daniel Lee, Fu Chen, and Troye Hsieh	Relative Humidity(%):	20.1 ~ 65.9
		Temperature(°C):	19.0 ~ 21.8

B1. Summary of each worse mode

Mode	Band	Part	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	LTE B48	Part 96	L	14204	-53.91	RMS	40.58	-46.26	0.26	-95.23	46.74	-40.00	-13.91	V	0
2	LTE CA B48C	Part 96	M	14491	-53.99	RMS	40.28	-45.91	0.26	-95.23	46.61	-40.00	-13.99	H	0

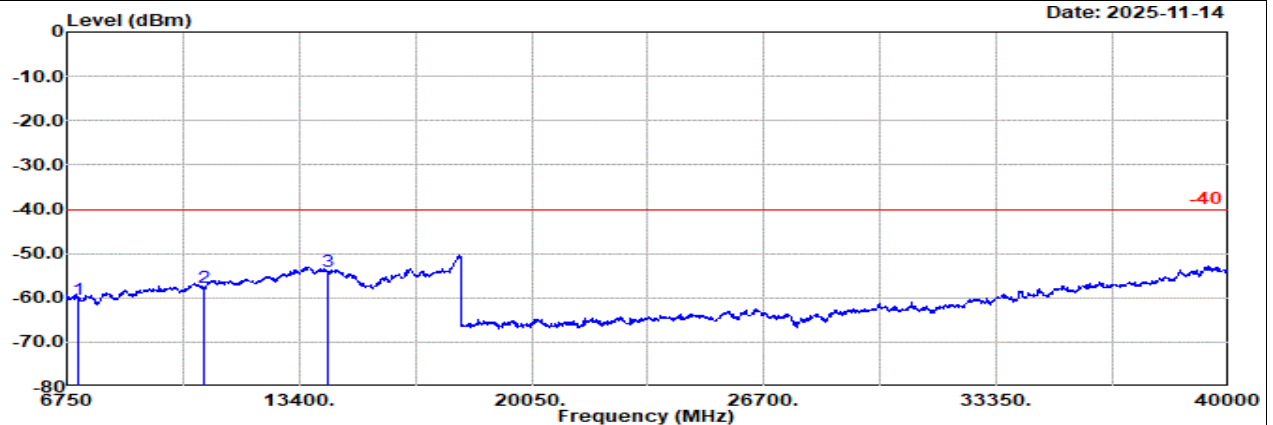


Ant. 0

Part 96 Mode 1

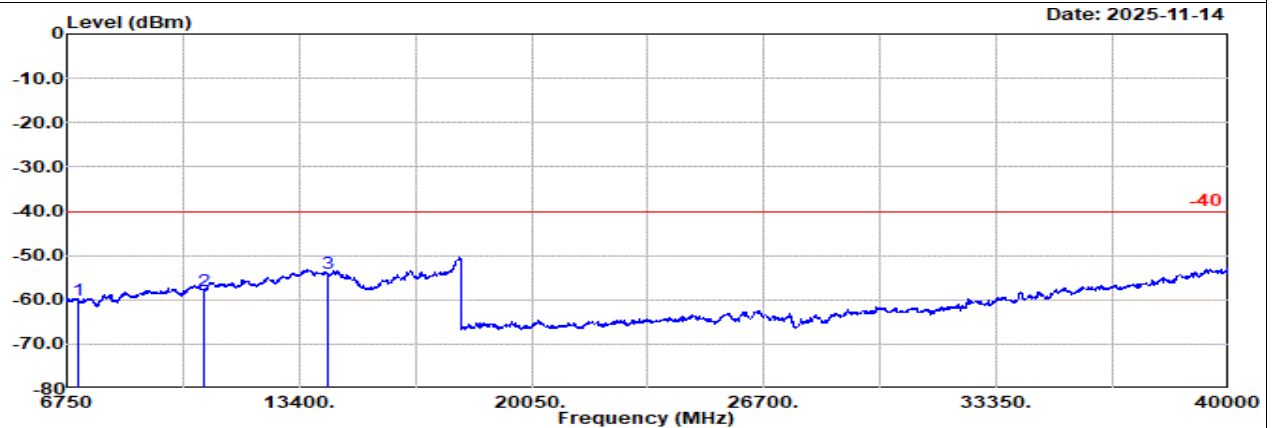
LTE B48 20M Ch55340 1RB0 QPSK

L



Site : 03CH11-HY
Condition: -40 1m SHF_1223_250702 Horizontal
: LTE Band 48 20M Ch55340 1RB0 QPSK

	Freq Level		Detector	Ant Factor	Amp\Cb Filter 1		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm			dB/m	dB			dBuV	dBm	dB	
1	7098.75	-60.25	RMS	36.29	-52.07	0.81	-95.23	49.95	-40.00	-20.25	Horizontal	
2	10653.00	-57.80	RMS	39.00	-50.31	0.32	-95.23	48.42	-40.00	-17.80	Horizontal	
3	14204.00	-54.15	RMS	40.58	-46.26	0.26	-95.23	46.50	-40.00	-14.15	Horizontal	



Site : 03CH11-HY
Condition: -40 1m SHF_1223_250702 Vertical
: LTE Band 48 20M Ch55340 1RB0 QPSK

	Freq Level		Detector	Ant Factor	Amp\Cb Filter 1		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm			dB/m	dB			dBuV	dBm	dB	
1	7098.75	-59.99	RMS	36.29	-52.07	0.81	-95.23	50.21	-40.00	-19.99	Vertical	
2	10653.00	-58.01	RMS	39.00	-50.31	0.32	-95.23	48.21	-40.00	-18.01	Vertical	
3	14204.00	-53.91	RMS	40.58	-46.26	0.26	-95.23	46.74	-40.00	-13.91	Vertical	

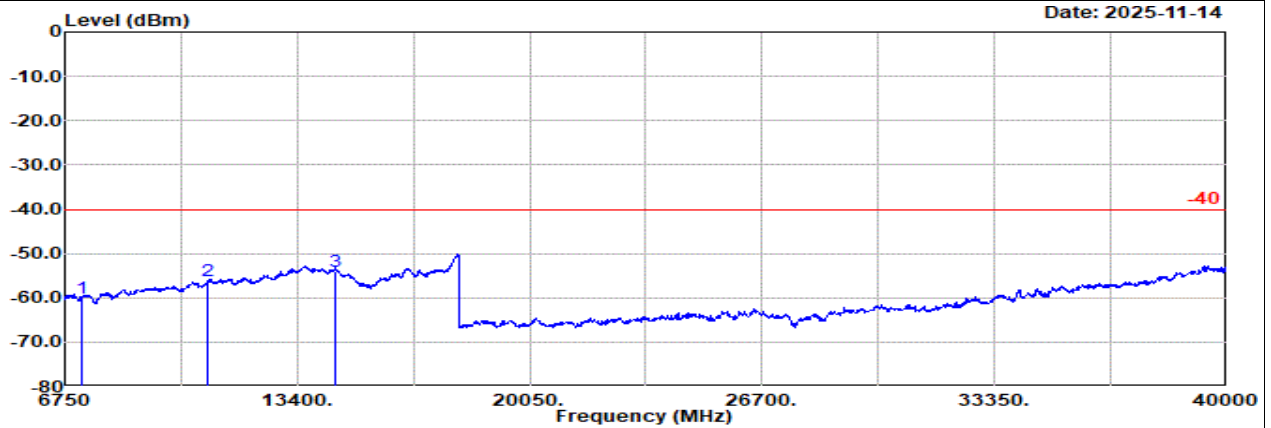


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Part 96 Mode 1

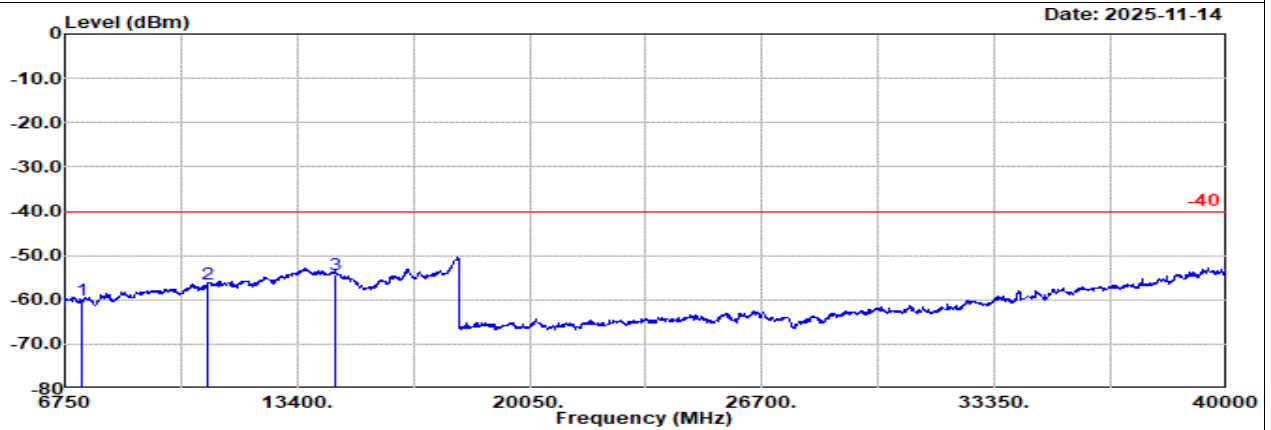
LTE B48 20M Ch55990 1RB0 QPSK

M



Site : 03CH11-HY
Condition: -40 1m SHF_1223_250702 Horizontal
: LTE Band 48 20M Ch55990 1RB0 QPSK

	Freq Level		Detector	Ant Factor	Amp\Cb Filter 1		EIRPCF	Reading	Limit		Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7233.75	-60.17	RMS	36.83	-52.01	0.67	-95.23	49.56	-40.00	-20.17	Horizontal	
2	10845.00	-56.13	RMS	39.01	-49.95	0.35	-95.23	49.69	-40.00	-16.13	Horizontal	
3	14467.50	-54.11	RMS	40.24	-45.93	0.26	-95.23	46.55	-40.00	-14.11	Horizontal	



Site : 03CH11-HY
Condition: -40 1m SHF_1223_250702 Vertical
: LTE Band 48 20M Ch55990 1RB0 QPSK

	Freq Level		Detector	Ant Factor	Amp\Cb Filter 1		EIRPCF	Reading	Limit		Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7233.75	-60.10	RMS	36.83	-52.01	0.67	-95.23	49.63	-40.00	-20.10	Vertical	
2	10845.00	-56.50	RMS	39.01	-49.95	0.35	-95.23	49.32	-40.00	-16.50	Vertical	
3	14467.50	-54.20	RMS	40.24	-45.93	0.26	-95.23	46.46	-40.00	-14.20	Vertical	

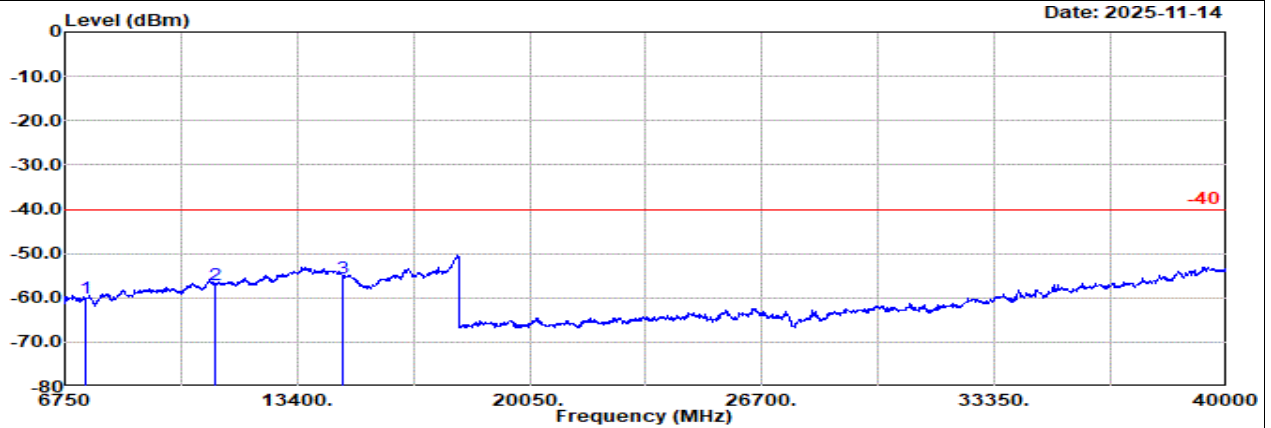


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Part 96 Mode 1

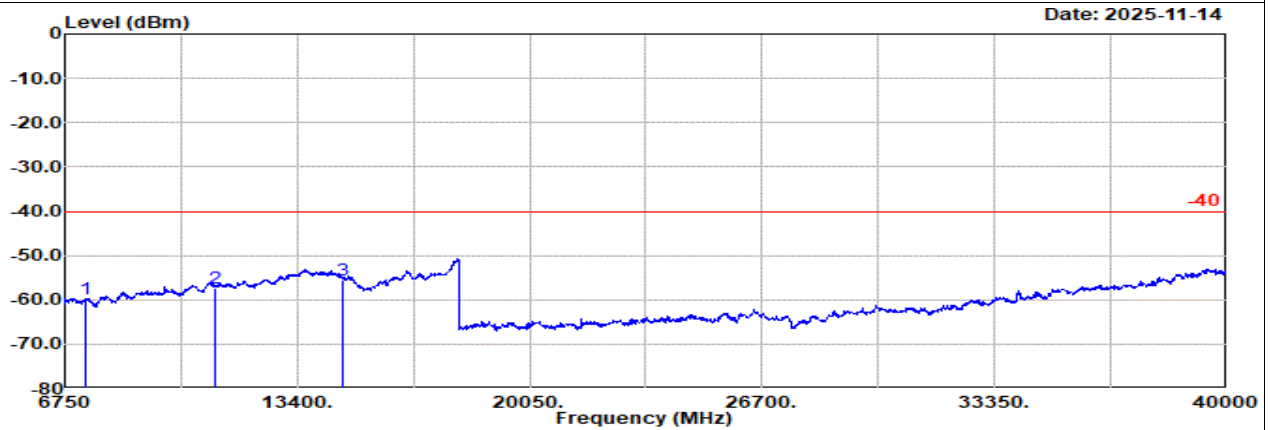
LTE B48 20M Ch56640 1RB0 QPSK

H



Site : 03CH11-HY
Condition: -40 1m SHF_1223_250702 Horizontal
: LTE Band 48 20M Ch56640 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	7357.50	-60.09	RMS	36.64	-52.06	0.61	-95.23	49.95	-40.00	-20.09
2	11047.50	-57.19	RMS	38.60	-49.56	0.37	-95.23	48.63	-40.00	-17.19
3	14726.25	-55.44	RMS	40.00	-46.11	0.27	-95.23	45.63	-40.00	-15.44



Site : 03CH11-HY
Condition: -40 1m SHF_1223_250702 Vertical
: LTE Band 48 20M Ch56640 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	7357.50	-59.89	RMS	36.64	-52.06	0.61	-95.23	50.15	-40.00	-19.89
2	11047.50	-57.23	RMS	38.60	-49.56	0.37	-95.23	48.59	-40.00	-17.23
3	14726.25	-55.53	RMS	40.00	-46.11	0.27	-95.23	45.54	-40.00	-15.53

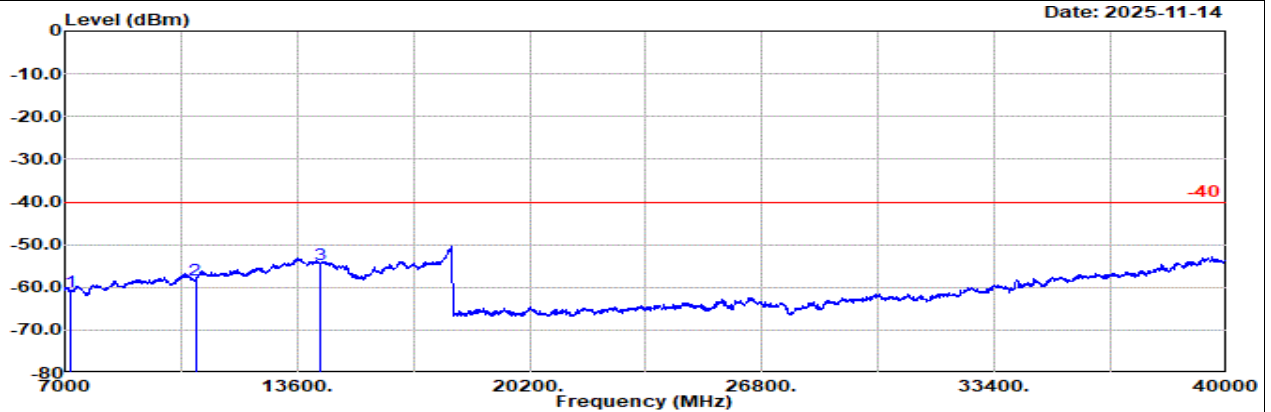


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Part 96 Mode 2

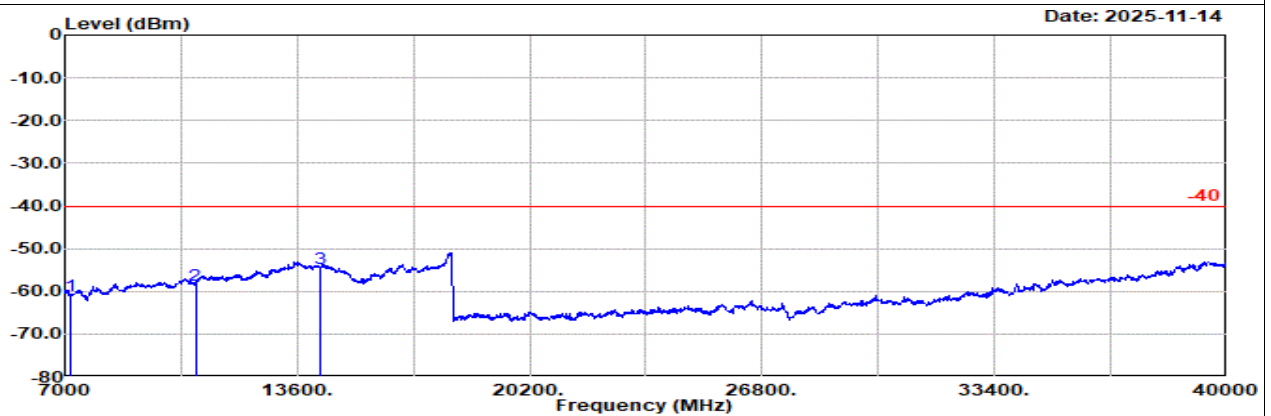
LTE CA B48C 20M + 20M Ch55340 1RB99 QPSK + Ch55538 1RB0 QPSK

L



Site : 03CH11-HY
Condition: -40 1m SHF_1223_250702 Horizontal
: LTE Band 48 20M Ch55340 1RB99 QPSK
: LTE Band 48 20M Ch55538 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	7143.00	-60.87	RMS	36.47	-52.04	0.76	-95.23	0.00	-40.00	-20.87
2	10707.00	-58.40	RMS	39.00	-50.21	0.33	-95.23	47.71	-40.00	-18.40
3	14271.00	-54.71	RMS	40.44	-46.18	0.26	-95.23	46.00	-40.00	-14.71



Site : 03CH11-HY
Condition: -40 1m SHF_1223_250702 Vertical
: LTE Band 48 20M Ch55340 1RB99 QPSK
: LTE Band 48 20M Ch55538 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	7143.00	-60.88	RMS	36.47	-52.04	0.76	-95.23	49.16	-40.00	-20.88
2	10707.00	-58.42	RMS	39.00	-50.21	0.33	-95.23	47.69	-40.00	-18.42
3	14271.00	-54.58	RMS	40.44	-46.18	0.26	-95.23	46.13	-40.00	-14.58

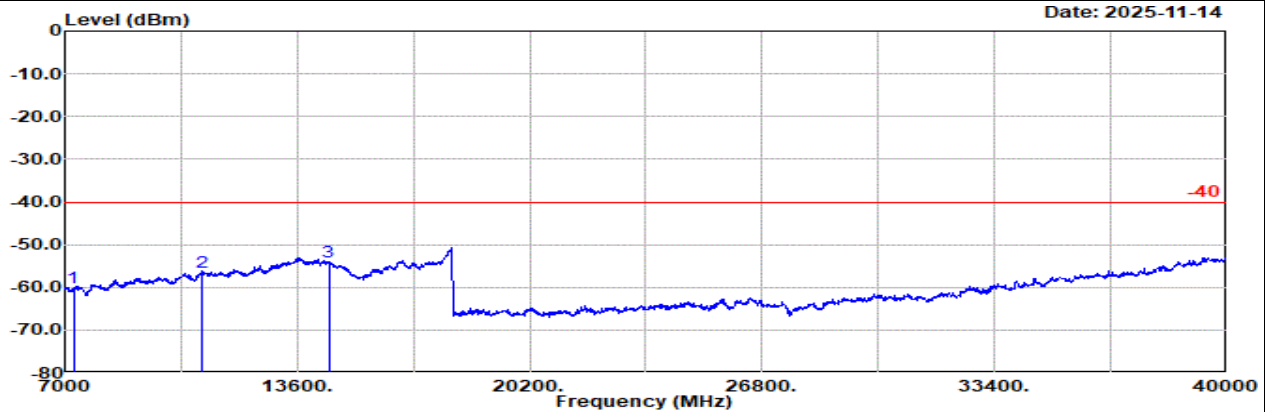


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Part 96 Mode 2

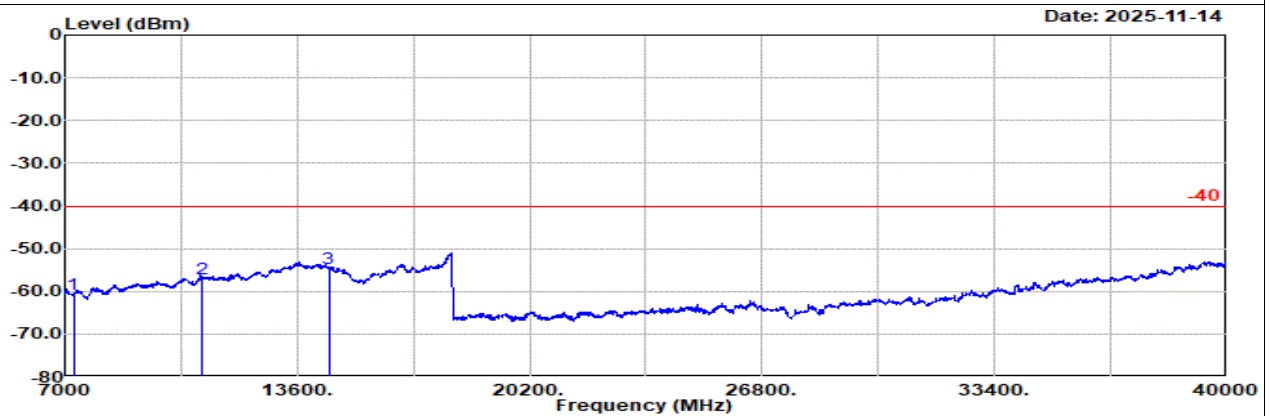
LTE CA B48C 20M + 20M Ch55891 1RB99 QPSK + Ch56089 1RB0 QPSK

M



Site : 03CH11-HY
Condition: -40 1m SHF_1223_250702 Horizontal
: LTE Band 48 20M Ch55891 1RB99 QPSK
: LTE Band 48 20M Ch56089 1RB0 QPSK

	Freq	Level	Detector	Ant	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		Factor	1	dB		dB	dBuV		
1	7242.00	-60.22	RMS	36.87	-52.02	0.67	-95.23	49.49	-40.00	-20.22	Horizontal
2	10872.00	-56.54	RMS	39.00	-49.90	0.35	-95.23	49.24	-40.00	-16.54	Horizontal
3	14491.00	-53.99	RMS	40.28	-45.91	0.26	-95.23	46.61	-40.00	-13.99	Horizontal



Site : 03CH11-HY
Condition: -40 1m SHF_1223_250702 Vertical
: LTE Band 48 20M Ch55891 1RB99 QPSK
: LTE Band 48 20M Ch56089 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb 1	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7242.00	-60.70	RMS	36.87	-52.02	0.67	-95.23	49.01	-40.00	-20.70	Vertical
2	10872.00	-56.96	RMS	39.00	-49.90	0.35	-95.23	48.82	-40.00	-16.96	Vertical
3	14491.00	-54.55	RMS	40.28	-45.91	0.26	-95.23	46.05	-40.00	-14.55	Vertical

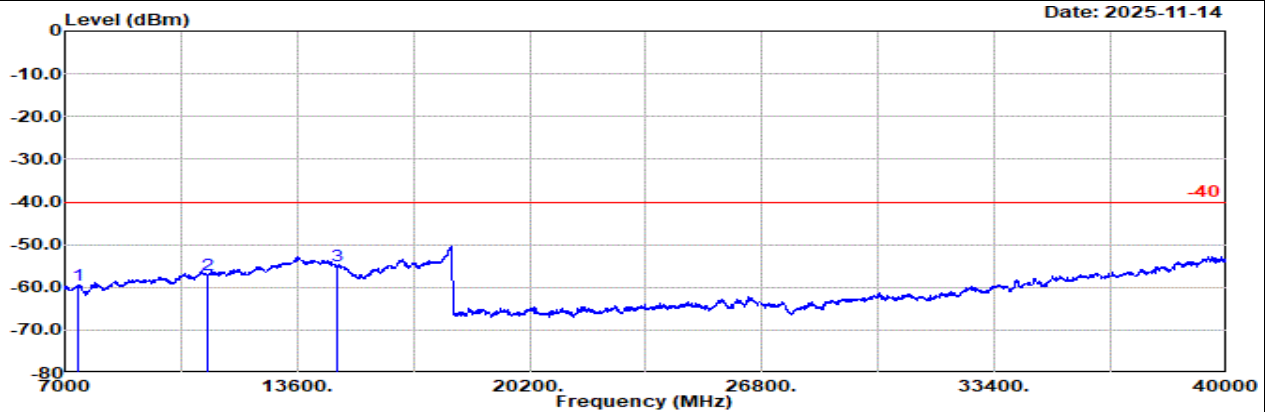


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Part 96 Mode 2

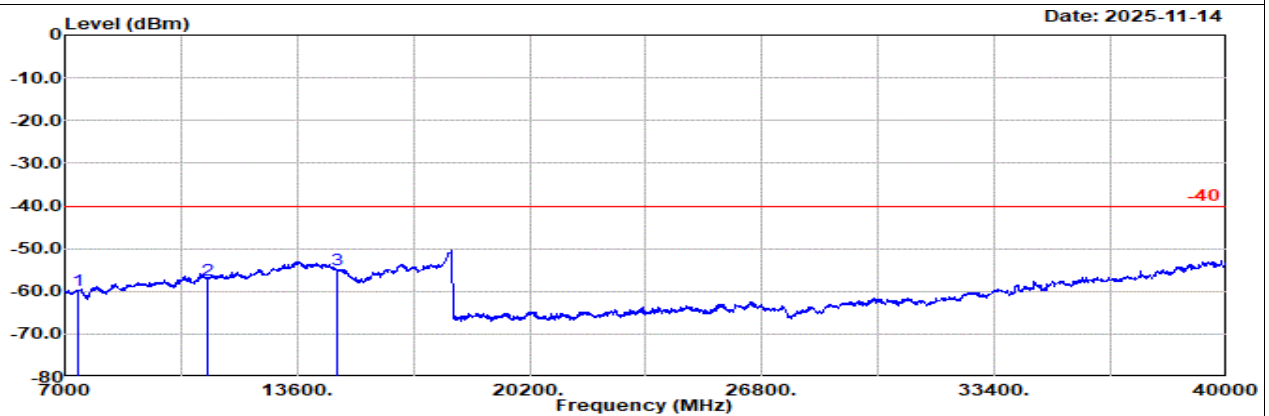
LTE CA B48C 20M + 20M Ch56442 1RB99 QPSK + Ch56640 1RB0 QPSK

H



Site : 03CH11-HY
Condition: -40 1m SHF_1223_250702 Horizontal
: LTE Band 48 20M Ch56442 1RB99 QPSK
: LTE Band 48 20M Ch56640 1RB0 QPSK

	Freq	Level	Detector	Ant	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		Factor	1	dB		dB	dBuV		
1	7363.00	-59.58	RMS	36.60	-52.07	0.61	-95.23	50.51	-40.00	-19.58	Horizontal
2	11037.00	-57.06	RMS	38.63	-49.58	0.37	-95.23	48.75	-40.00	-17.06	Horizontal
3	14711.00	-54.94	RMS	40.00	-46.10	0.27	-95.23	46.12	-40.00	-14.94	Horizontal



Site : 03CH11-HY
Condition: -40 1m SHF_1223_250702 Vertical
: LTE Band 48 20M Ch56442 1RB99 QPSK
: LTE Band 48 20M Ch56640 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb 1	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7363.00	-59.90	RMS	36.60	-52.07	0.61	-95.23	50.19	-40.00	-19.90	Vertical
2	11037.00	-57.22	RMS	38.63	-49.58	0.37	-95.23	48.59	-40.00	-17.22	Vertical
3	14711.00	-54.89	RMS	40.00	-46.10	0.27	-95.23	46.17	-40.00	-14.89	Vertical

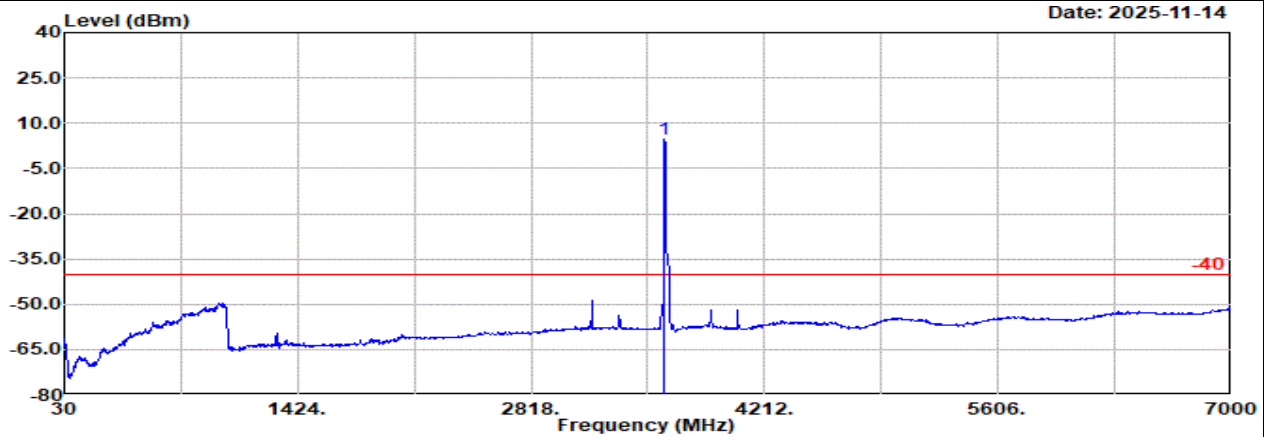


Ant. 0

Part 96 Mode 1

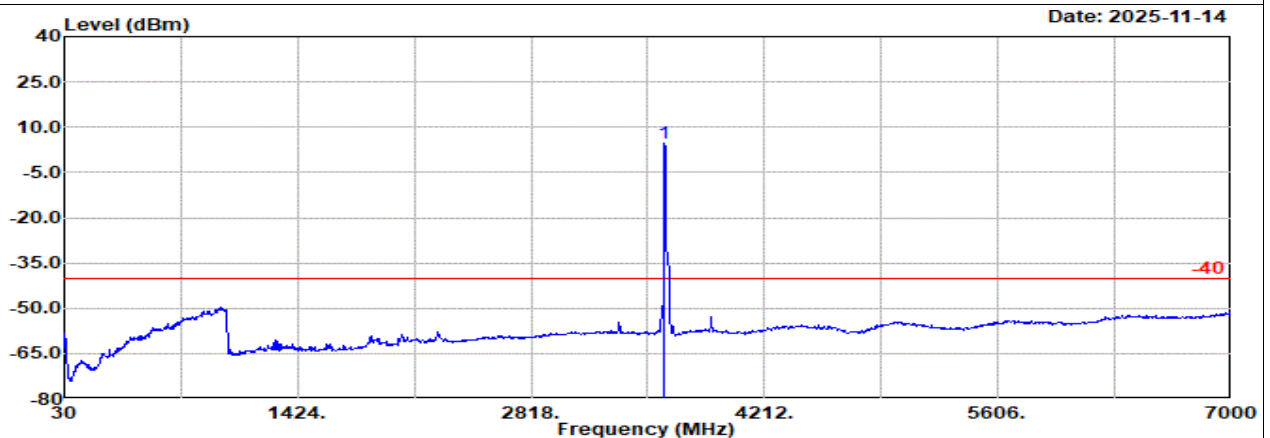
LTE B48 20M Ch55990 1RB0 QPSK

M



Site : 03CH11-HY
Condition: -40 3m BILOG_37059&01_241127 Horizontal
: LTE Band 48 20M Ch55990 1RB0 QPSK
: #1 is fundamental signal which can be ignored.

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin	Pol
				Factor	1					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	3616.00	4.59	RMS	29.56	-24.90	0.00	-95.23	95.16	-40.00	44.59



Site : 03CH11-HY
Condition: -40 3m BILOG_37059&01_241127 Vertical
: LTE Band 48 20M Ch55990 1RB0 QPSK
: #1 is fundamental signal which can be ignored.

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin	Pol
				Factor	1					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	3616.00	4.63	RMS	29.56	-24.90	0.00	-95.23	95.20	-40.00	44.63