

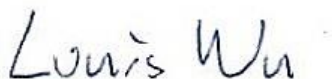


FCC RADIO TEST REPORT

FCC ID : B94HNI65CKLR
Equipment : Notebook Computer
Brand Name : HP
Model Name : HSN-I65C
Applicant : HP Inc.
1501 Page Mill Road, Palo Alto CA 94304 USA
Standard : FCC 47 CFR Part 2, 96

The product was received on Sep. 18, 2025 and testing was performed from Sep. 26, 2025 to Oct. 27, 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 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. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.



Approved by: Louis Wu

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



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History of this test report

Report No.	Version	Description	Issue Date
FG591904D	01	Initial issue of report	Nov. 14, 2025
FG591904D	02	Revise antenna information table and add Antenna 5 conducted power and EIRP for LTE bands 48. This report is an updated version, replacing the report issued on Nov. 14, 2025.	Nov. 25, 2025

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	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:

- For host device, Radiated Spurious Emission and Effective Radiated Power are verified and complies with the limit in this test report.
- RF measurements were verified at the original module's power level. The RF test results show that the host device continues to meet compliance requirements even under the most stringent conditions. However, to comply with SAR regulations, the power settings of the host device have been reduced, and the actual power levels are presented in the SAR report.

Conformity Assessment Condition:

- 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.
- 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: Sheng Kuo
Report Producer: Shannon Huang

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
General Specs	WCDMA/LTE/5G NR, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ax/be, Wi-Fi 5GHz 802.11a/n/ac/ax/be, Wi-Fi 6GHz 802.11ax/be, NFC and GNSS
Sample 1	Host with Vendor 1 Antenna
Sample 2	Host with Vendor 2 Antenna
Integrated WLAN Module	Brand Name: Intel Model Name: BE211D2W FCC ID: PD9BE211D2
Integrated NFC Module	Brand Name: WNC Model Name: XRAV-1 FCC ID: NKR-XRAV1
Antenna Type	WWAN: PIFA Antenna WLAN: <Main>: PIFA Antenna <Aux.>: PIFA Antenna Bluetooth: PIFA Antenna GPS/Glonass/BDS/Galileo: PIFA Antenna NFC: Loop Antenna

TDD band Power Class		
	PC3	PC2
B42	V	-
B43	V	-
B48	V	-

WWAN Antenna Information for Notebook Mode				
Antenna 5	Manufacturer	Vendor 1	Peak gain (dBi)	LTE Band 48: 2.68
	Part number	6036B0384401 (260-27599)	Type	PIFA
	Manufacturer	Vendor 2	Peak gain (dBi)	LTE Band 48: -3.80
	Part number	81EACC15.G34 (6036B0385501)	Type	PIFA

WWAN Antenna Information for Tablet Mode				
Antenna 5	Manufacturer	Vendor 1	Peak gain (dBi)	LTE Band 48: -0.48
	Part number	6036B0384401 (260-27599)	Type	PIFA
	Manufacturer	Vendor 2	Peak gain (dBi)	LTE Band 48: 0.87
	Part number	81EACC15.G34 (6036B0385501)	Type	PIFA

WWAN Antenna Information for Notebook Mode				
Antenna 8	Manufacturer	Vendor 1	Peak gain (dBi)	LTE Band 42: -1.24 LTE Band 43: -1.02 LTE Band 48: -1.02
	Part number	6036B0384101 (260-27601)	Type	PIFA
	Manufacturer	Vendor 2	Peak gain (dBi)	LTE Band 42: 0.13 LTE Band 43: 0.16 LTE Band 48: -0.18
	Part number	6036B0385301 (81EACC15.G36)	Type	PIFA

WWAN Antenna Information for Tablet Mode				
Antenna 8	Manufacturer	Vendor 1	Peak gain (dBi)	LTE Band 42: -1.40 LTE Band 43: -2.83 LTE Band 48: -2.83
	Part number	6036B0384101 (260-27601)	Type	PIFA
	Manufacturer	Vendor 2	Peak gain (dBi)	LTE Band 42: -3.67 LTE Band 43: -2.52 LTE Band 48: -2.52
	Part number	6036B0385301 (81EACC15.G36)	Type	PIFA

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

1.2 Modification of EUT

No modifications made to the EUT during the testing.



1.3 Testing Site

Test Site	Sporton 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.	Sporton Site No. TH03-HY
Test Engineer	Kevin Xiao
Temperature (°C)	22.3 ~ 22.9
Relative Humidity (%)	53.2 ~ 55.5

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. 03CH23-HY (TAF Code: 3786)
Test Engineer	Leo Li, Karl Hou, and Lucifer Jiang
Temperature (°C)	19.4 ~ 21.1
Relative Humidity (%)	44.7 ~ 65.1
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
- ♦ 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 Tablet Type (three orthogonal axis (X: flat, Y: portrait, Z: landscape) and Notebook Type, and adjusting the measurement antenna orientation, following C63.26 exploratory test procedures and only the worst case emissions were reported in this report.

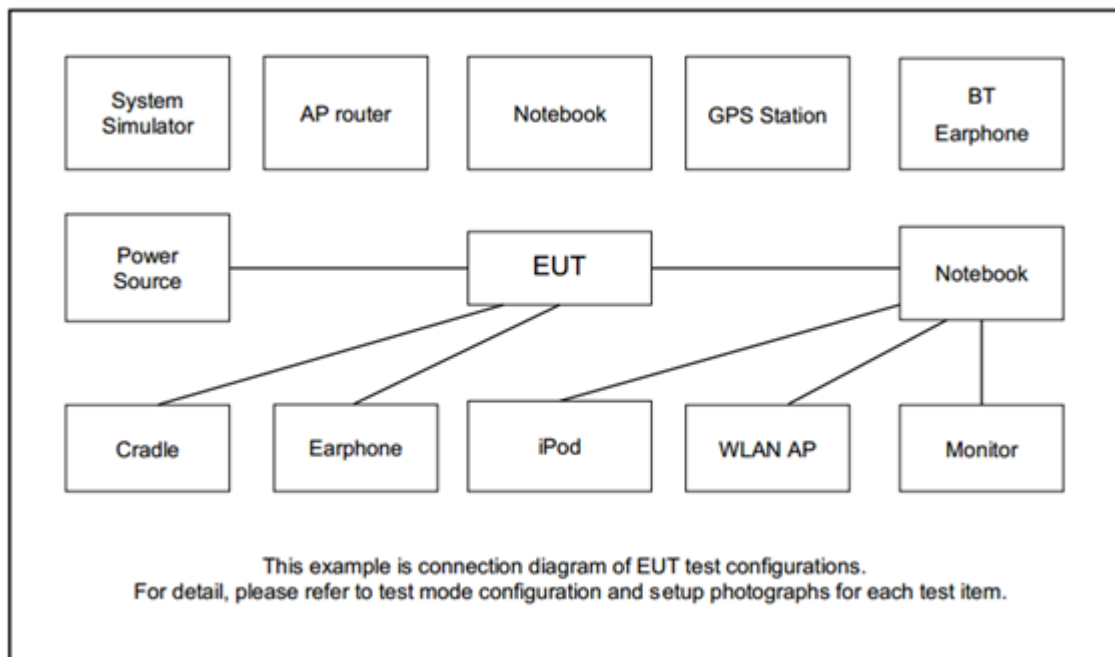
Modulation Type	Modulation
A	QPSK
B	16QAM
C	64QAM
D	256QAM

Test Item	Modulation Type	Bandwidth	RB Size	Channel
Conducted Power	A, B	All	1RB	L, M, H
EIRP	A, B	All	1RB	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. For modulation of QPSK & 16QAM, the maximum power of QPSK & 16QAM is higher than other modulation(64QAM/256QAM), therefore, according to engineering evaluation, we choose higher power (QPSK & 16QAM) to perform tests and show in the report.
4. During the RSE preliminary test, the standalone mode and charging modes were verified. It is determined that the charging modes is the worst case for the official test.

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	Shielded, 1.0 m	N/A
2.	Base Station	Anritsu	8821C	N/A	N/A	Unshielded, 1.8 m

2.4 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 4.5 dB and 10dB attenuator.

Example :

$$\begin{aligned} \text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)}. \\ &= 4.5 + 10 = 14.5 \text{ (dB)} \end{aligned}$$



2.5 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 43 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	43690	44090	44490
	Frequency	3610.0	3650.0	3690.0
15	Channel	43665	44090	44515
	Frequency	3607.5	3650.0	3692.5
10	Channel	43640	44090	44540
	Frequency	3605.0	3650.0	3695.0
5	Channel	43615	44090	44565
	Frequency	3602.5	3650.0	3697.5

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

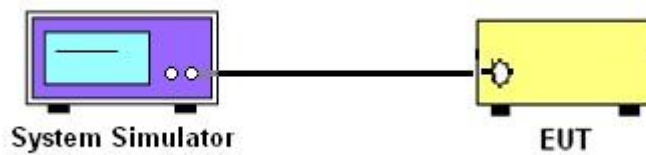
3 Conducted Test Items

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 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 42, 43 and 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.

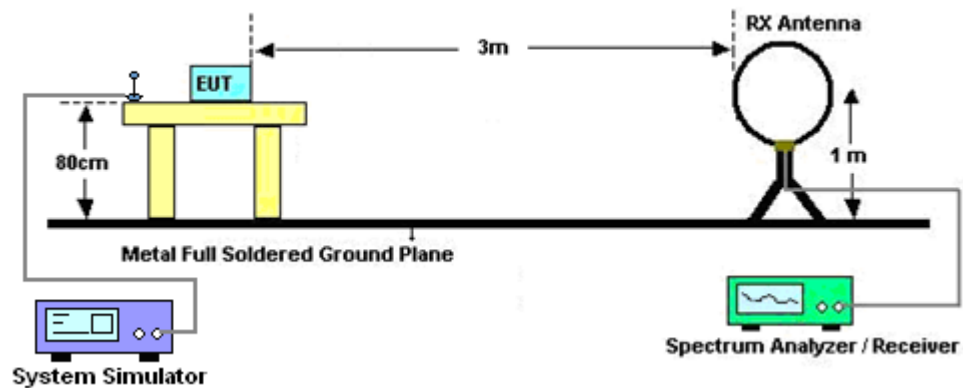
4 Radiated Test Items

4.1 Measuring Instruments

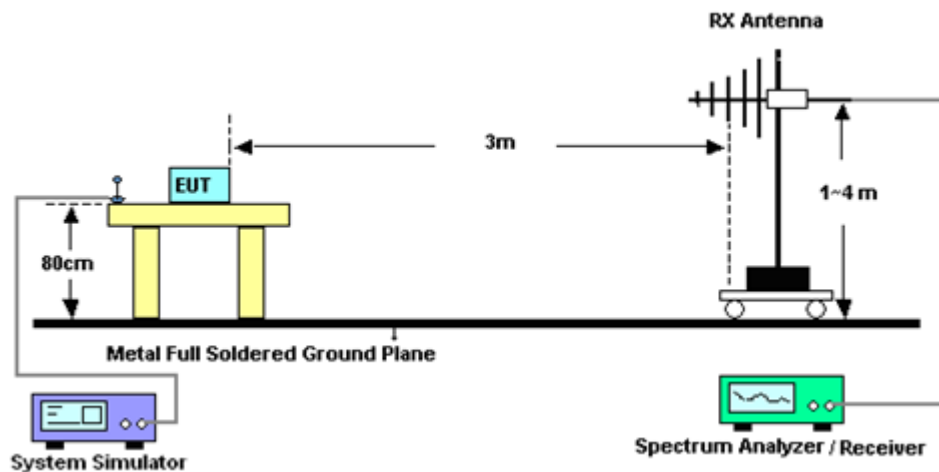
See list of measuring instruments of this test report.

4.2 Test Setup

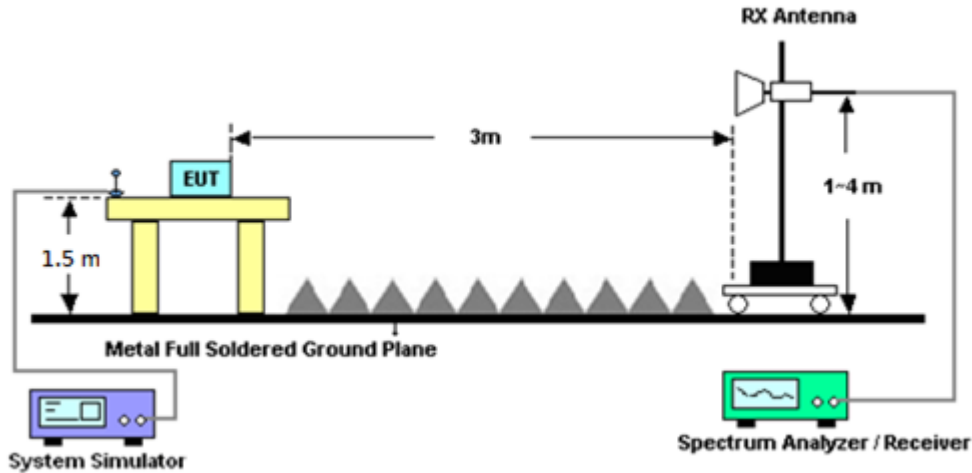
For radiated test below 30MHz



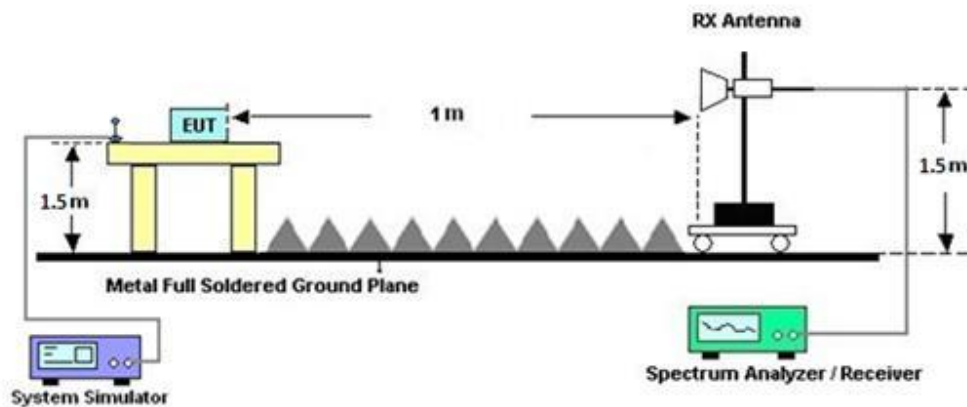
For radiated test from 30MHz to 1GHz



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 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
Radio Communication Analyzer	Anritsu	MT8821C	6262025353	LTE FDD/TDD LTE-2CC DLCA/ULCA	Oct. 08, 2025	Oct. 09, 2025~ Oct. 29, 2025	Oct. 07, 2026	Conducted (TH03-HY)
Coupler+10dB+ RFcable	Warison + WoKen + E-Instument	20dB 25W SMA Directional Coupler+ 10dB 18GHz_5W+ SFL405 1.5M	#A+#1+#1 +#7	1-18GHz	Jan. 03, 2025	Oct. 09, 2025~ Oct. 29, 2025	Jan. 02, 2026	Conducted (TH03-HY)
Software	Sporton	LTE Conducted Test Tools	N/A	Conducted Test Item	N/A	Oct. 09, 2025~ Oct. 29, 2025	N/A	Conducted (TH03-HY)
Hygrometer	TECPEL	DTM-303B	TP200886	-10 ~ 50°C / 20 ~ 95%RH	Mar. 03, 2025	Oct. 09, 2025~ Oct. 29, 2025	Mar. 02, 2026	Conducted (TH03-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2E	101108	9 kHz~30 MHz	Dec 18, 2024	Sep. 26, 2025~ Oct. 15, 2025	Dec 17, 2025	Radiation (03CH23-HY)
Bilog Antenna	TESEQ & WOKEN	CBL 6111D & 00802N1D-06	62028 & 003	30MHz~1GHz	Nov. 27, 2024	Sep. 26, 2025~ Oct. 15, 2025	Nov. 26, 2025	Radiation (03CH23-HY)
Amplifier	SONOMA	310N	421582	9kHz~1GHz	Jul. 13, 2025	Sep. 26, 2025~ Oct. 15, 2025	Jul. 12 2026	Radiation (03CH23-HY)
Amplifier	EMEC	EM01G18GA	060878	1GHz~18GHz	Sep. 27, 2024	Sep. 26, 2025	Sep. 26, 2025	Radiation (03CH23-HY)
Amplifier	EMEC	EM01G18GA	060878	1GHz~18GHz	Sep. 26, 2025	Sep. 27, 2025~ Oct. 15, 2025	Sep. 25, 2026	Radiation (03CH23-HY)
Double Ridged Guide Horn Antenna	RFSPIN	DRH18-E	LE2C05A1 8EN	1GHz~18GHz	Jul. 02, 2025	Sep. 26, 2025~ Oct. 15, 2025	Jul. 01, 2026	Radiation (03CH23-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	1225	18GHz-40GHz	Jul. 02 ,2025	Sep. 26, 2025~ Oct. 15, 2025	Jul. 01, 2026	Radiation (03CH23-HY)
Preamplifier	EMEC	EM18G40G	060873	18GHz-40GHz	Aug. 26, 2025	Sep. 26, 2025~ Oct. 15, 2025	Aug. 25, 2026	Radiation (03CH23-HY)
Signal Analyzer	Keysight	N9010B	MY621703 37	10Hz~44GHz	Aug. 26, 2025	Sep. 26, 2025~ Oct. 15, 2025	Aug. 25, 2026	Radiation (03CH23-HY)
Hygrometer	TECPEL	DTM-303B	TP211542	N/A	Oct. 21, 2024	Sep. 26, 2025~ Oct. 15, 2025	Oct. 20, 2025	Radiation (03CH23-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Sep. 26, 2025~ Oct. 15, 2025	N/A	Radiation (03CH23-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Sep. 26, 2025~ Oct. 15, 2025	N/A	Radiation (03CH23-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Sep. 26, 2025~ Oct. 15, 2025	N/A	Radiation (03CH23-HY)
Software	Audix	N/A	RK-00234 8	N/A	N/A	Sep. 26, 2025~ Oct. 15, 2025	N/A	Radiation (03CH23-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804395/2	30MHz~40GHz	Nov. 26, 2024	Sep. 26, 2025~ Oct. 15, 2025	Nov. 25, 2025	Radiation (03CH23-HY)
RF Cable	EMC	EMC101Y	231115/23 1119/2311 22	30MHz~40GHz	Nov. 26, 2024	Sep. 26, 2025~ Oct. 15, 2025	Nov. 25, 2025	Radiation (03CH23-HY)

6 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	6.60 dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 6 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	5.40 dB
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Uncertainty of Radiated Emission Measurement (6 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	4.80 dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	5.70 dB
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Appendix A. Test Results of Conducted Test

Conducted Output Power (Average power and EIRP)

<Ant. 8>

Part 96 LTE Band 48 Maximum Average Power [dBm] (GT - LC = -0.48 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	19.80	19.93	20.02	19.54	0.0899
20	1	0	16-QAM	18.91	18.96	19.10	18.62	0.0728
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 = -0.48 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	19.78	19.90	20.00	19.52	0.0895
15	1	0	16-QAM	18.71	18.83	18.90	18.42	0.0695
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 = -0.48 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	19.80	19.91	19.99	19.51	0.0893
10	1	0	16-QAM	18.93	18.94	19.07	18.59	0.0723
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 = -0.48 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	19.88	19.89	19.95	19.47	0.0885
5	1	0	16-QAM	18.74	18.95	18.91	18.47	0.0703
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 = 0.13 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	21.57	21.53	21.61	21.74	0.1493
20	1	0	16-QAM	20.75	20.36	20.58	20.88	0.1225
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 = 0.13 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	21.55	21.50	21.58	21.71	0.1483
15	1	0	16-QAM	20.71	20.36	20.70	20.84	0.1213
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 = 0.13 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	21.54	21.53	21.55	21.68	0.1472
10	1	0	16-QAM	20.60	20.69	20.36	20.82	0.1208
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 = 0.13 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	21.57	21.54	21.59	21.72	0.1486
5	1	0	16-QAM	20.57	20.42	20.71	20.84	0.1213
Limit	EIRP < 23dBm/10MHz			Result			Pass	

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

Part 96 LTE Band 43 Maximum Average Power [dBm] (GT - LC = 0.16 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	21.36	21.35	21.44	21.60	0.1445
20	1	0	16-QAM	20.42	20.42	20.37	20.58	0.1143
Limit	EIRP < 23dBm/10MHz			Result			Pass	

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

Part 96 LTE Band 43 Maximum Average Power [dBm] (GT - LC = 0.16 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	21.35	21.30	21.33	21.51	0.1416
15	1	0	16-QAM	20.38	20.34	20.50	20.66	0.1164
Limit	EIRP < 23dBm/10MHz			Result			Pass	

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

Part 96 LTE Band 43 Maximum Average Power [dBm] (GT - LC = 0.16 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	21.33	21.25	21.27	21.49	0.1409
10	1	0	16-QAM	20.25	20.23	20.27	20.43	0.1104
Limit	EIRP < 23dBm/10MHz			Result			Pass	

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

Part 96 LTE Band 43 Maximum Average Power [dBm] (GT - LC = 0.16 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	21.35	21.31	21.25	21.51	0.1416
5	1	0	16-QAM	20.52	20.45	20.20	20.68	0.1169
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 = 0.13 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+20	1	99	1	0	QPSK	20.56	20.47	20.49	20.69	0.1172
20+20	1	99	1	0	16-QAM	20.12	20.02	20.02	20.25	0.1059
20+15	1	99	1	0	QPSK	20.60	20.47	20.47	20.73	0.1183
20+15	1	99	1	0	16-QAM	20.12	20.01	20.02	20.25	0.1059
15+20	1	74	1	0	QPSK	20.79	20.68	20.65	20.92	0.1236
15+20	1	74	1	0	16-QAM	20.28	20.19	20.14	20.41	0.1099
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 = 0.13 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+10	1	99	1	0	QPSK	20.53	20.44	20.49	20.66	0.1164
20+10	1	99	1	0	16-QAM	20.08	19.99	20.01	20.21	0.1050
10+20	1	49	1	0	QPSK	20.56	20.50	20.42	20.69	0.1172
10+20	1	49	1	0	16-QAM	20.09	20.05	19.96	20.22	0.1052
20+5	1	99	1	0	QPSK	20.51	20.38	20.51	20.64	0.1159
20+5	1	99	1	0	16-QAM	20.04	19.91	20.03	20.17	0.1040
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 = 0.13 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
5+20	1	24	1	0	QPSK	20.58	20.53	20.44	20.71	0.1178
5+20	1	24	1	0	16-QAM	20.07	20.04	19.92	20.20	0.1047
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 = -0.18 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+20	1	99	1	0	QPSK	17.32	17.23	17.21	17.14	0.0518
20+20	1	99	1	0	16-QAM	16.90	16.78	16.78	16.72	0.0470
20+15	1	99	1	0	QPSK	17.32	17.22	17.24	17.14	0.0518
20+15	1	99	1	0	16-QAM	16.87	16.78	16.79	16.69	0.0467
15+20	1	74	1	0	QPSK	17.62	17.29	17.32	17.44	0.0555
15+20	1	74	1	0	16-QAM	17.17	16.85	16.86	16.99	0.0500
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 = -0.18 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+10	1	99	1	0	QPSK	17.39	17.43	17.45	17.27	0.0533
20+10	1	99	1	0	16-QAM	16.97	16.96	17.00	16.82	0.0481
10+20	1	49	1	0	QPSK	17.50	17.36	17.38	17.32	0.0540
10+20	1	49	1	0	16-QAM	17.05	16.92	16.93	16.87	0.0486
20+5	1	99	1	0	QPSK	17.37	17.35	17.45	17.27	0.0533
20+5	1	99	1	0	16-QAM	16.92	16.94	17.00	16.82	0.0481
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 = -0.18 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
5+20	1	24	1	0	QPSK	17.48	17.37	17.35	17.3	0.0537
5+20	1	24	1	0	16-QAM	17.02	16.88	16.87	16.84	0.0483
Limit	EIRP < 23dBm/10MHz					Result			Pass	

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

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Part 96 LTE Band 48 Maximum Average Power [dBm] (GT - LC = 2.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	16.84	17.04	16.67	19.72	0.0938
20	1	49		16.67	16.92	16.46		
20	1	99		16.69	16.94	16.56		
20	50	0		16.77	17.02	16.62		
20	50	24		16.67	17.00	16.57		
20	50	50		16.67	17.01	16.61		
20	100	0		16.75	16.99	16.51		
20	1	0	16-QAM	16.84	17.09	16.68	19.88	0.0973
20	1	49		16.92	17.20	16.69		
20	1	99		16.84	17.11	16.68		
20	50	0		16.68	16.97	16.53		
20	50	24		16.75	16.99	16.60		
20	50	50		16.79	17.03	16.54		
20	100	0		16.65	16.98	16.49		
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 = 2.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	16.72	16.91	16.53	19.59	0.0910
15	1	37		16.63	16.90	16.36		
15	1	74		16.57	16.82	16.53		
15	36	0		16.72	16.90	16.60		
15	36	20		16.62	16.89	16.47		
15	36	39		16.56	16.91	16.49		
15	75	0		16.66	16.84	16.49		
15	1	0	16-QAM	16.79	17.00	16.56	19.73	0.0940
15	1	37		16.90	17.05	16.57		
15	1	74		16.79	16.99	16.62		
15	36	0		16.62	16.89	16.40		
15	36	20		16.61	16.95	16.57		
15	36	39		16.72	17.02	16.52		
15	75	0		16.63	16.93	16.37		
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 = 2.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	16.70	16.94	16.61	19.68	0.0929
10	1	25		16.61	16.82	16.35		
10	1	49		16.60	16.87	16.46		
10	25	0		16.72	16.87	16.61		
10	25	12		16.59	16.98	16.54		
10	25	25		16.66	17.00	16.58		
10	50	0		16.68	16.96	16.41		
10	1	0	16-QAM	16.77	17.04	16.66	19.85	0.0966
10	1	25		16.78	17.17	16.58		
10	1	49		16.80	16.99	16.62		
10	25	0		16.61	16.83	16.41		
10	25	12		16.72	16.85	16.47		
10	25	25		16.77	16.98	16.45		
10	50	0		16.64	16.95	16.44		
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 = 2.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	16.75	16.97	16.56	19.65	0.0923
5	1	12		16.52	16.85	16.34		
5	1	24		16.66	16.85	16.44		
5	12	0		16.65	16.88	16.51		
5	12	7		16.56	16.92	16.43		
5	12	13		16.66	16.95	16.53		
5	25	0		16.66	16.88	16.42		
5	1	0	16-QAM	16.78	17.07	16.64	19.78	0.0951
5	1	12		16.89	17.09	16.61		
5	1	24		16.76	17.10	16.56		
5	12	0		16.64	16.95	16.47		
5	12	7		16.64	16.88	16.51		
5	12	13		16.69	16.93	16.42		
5	25	0		16.50	16.89	16.39		
Limit	EIRP < 23dBm/10MHz			Result			Pass	

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

Appendix A. Test Results of Conducted Test

Conducted Output Power (Average power and EIRP)

<Ant. 8>

Part 96 LTE Band 48 Maximum Average Power [dBm] (GT - LC = -0.48 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	19.80	19.93	20.02	19.54	0.0899
20	1	0	16-QAM	18.91	18.96	19.10	18.62	0.0728
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 = -0.48 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	19.78	19.90	20.00	19.52	0.0895
15	1	0	16-QAM	18.71	18.83	18.90	18.42	0.0695
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 = -0.48 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	19.80	19.91	19.99	19.51	0.0893
10	1	0	16-QAM	18.93	18.94	19.07	18.59	0.0723
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 = -0.48 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	19.88	19.89	19.95	19.47	0.0885
5	1	0	16-QAM	18.74	18.95	18.91	18.47	0.0703
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 = 0.13 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	21.57	21.53	21.61	21.74	0.1493
20	1	0	16-QAM	20.75	20.36	20.58	20.88	0.1225
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 = 0.13 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	21.55	21.50	21.58	21.71	0.1483
15	1	0	16-QAM	20.71	20.36	20.70	20.84	0.1213
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 = 0.13 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	21.54	21.53	21.55	21.68	0.1472
10	1	0	16-QAM	20.60	20.69	20.36	20.82	0.1208
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 = 0.13 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	21.57	21.54	21.59	21.72	0.1486
5	1	0	16-QAM	20.57	20.42	20.71	20.84	0.1213
Limit	EIRP < 23dBm/10MHz			Result			Pass	

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

Part 96 LTE Band 43 Maximum Average Power [dBm] (GT - LC = 0.16 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	21.36	21.35	21.44	21.60	0.1445
20	1	0	16-QAM	20.42	20.42	20.37	20.58	0.1143
Limit	EIRP < 23dBm/10MHz			Result			Pass	

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

Part 96 LTE Band 43 Maximum Average Power [dBm] (GT - LC = 0.16 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	21.35	21.30	21.33	21.51	0.1416
15	1	0	16-QAM	20.38	20.34	20.50	20.66	0.1164
Limit	EIRP < 23dBm/10MHz			Result			Pass	

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

Part 96 LTE Band 43 Maximum Average Power [dBm] (GT - LC = 0.16 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	21.33	21.25	21.27	21.49	0.1409
10	1	0	16-QAM	20.25	20.23	20.27	20.43	0.1104
Limit	EIRP < 23dBm/10MHz			Result			Pass	

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

Part 96 LTE Band 43 Maximum Average Power [dBm] (GT - LC = 0.16 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	21.35	21.31	21.25	21.51	0.1416
5	1	0	16-QAM	20.52	20.45	20.20	20.68	0.1169
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 = 0.13 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+20	1	99	1	0	QPSK	20.56	20.47	20.49	20.69	0.1172
20+20	1	99	1	0	16-QAM	20.12	20.02	20.02	20.25	0.1059
20+15	1	99	1	0	QPSK	20.60	20.47	20.47	20.73	0.1183
20+15	1	99	1	0	16-QAM	20.12	20.01	20.02	20.25	0.1059
15+20	1	74	1	0	QPSK	20.79	20.68	20.65	20.92	0.1236
15+20	1	74	1	0	16-QAM	20.28	20.19	20.14	20.41	0.1099
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 = 0.13 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+10	1	99	1	0	QPSK	20.53	20.44	20.49	20.66	0.1164
20+10	1	99	1	0	16-QAM	20.08	19.99	20.01	20.21	0.1050
10+20	1	49	1	0	QPSK	20.56	20.50	20.42	20.69	0.1172
10+20	1	49	1	0	16-QAM	20.09	20.05	19.96	20.22	0.1052
20+5	1	99	1	0	QPSK	20.51	20.38	20.51	20.64	0.1159
20+5	1	99	1	0	16-QAM	20.04	19.91	20.03	20.17	0.1040
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 = 0.13 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
5+20	1	24	1	0	QPSK	20.58	20.53	20.44	20.71	0.1178
5+20	1	24	1	0	16-QAM	20.07	20.04	19.92	20.20	0.1047
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 = -0.18 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+20	1	99	1	0	QPSK	17.32	17.23	17.21	17.14	0.0518
20+20	1	99	1	0	16-QAM	16.90	16.78	16.78	16.72	0.0470
20+15	1	99	1	0	QPSK	17.32	17.22	17.24	17.14	0.0518
20+15	1	99	1	0	16-QAM	16.87	16.78	16.79	16.69	0.0467
15+20	1	74	1	0	QPSK	17.62	17.29	17.32	17.44	0.0555
15+20	1	74	1	0	16-QAM	17.17	16.85	16.86	16.99	0.0500
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 = -0.18 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
20+10	1	99	1	0	QPSK	17.39	17.43	17.45	17.27	0.0533
20+10	1	99	1	0	16-QAM	16.97	16.96	17.00	16.82	0.0481
10+20	1	49	1	0	QPSK	17.50	17.36	17.38	17.32	0.0540
10+20	1	49	1	0	16-QAM	17.05	16.92	16.93	16.87	0.0486
20+5	1	99	1	0	QPSK	17.37	17.35	17.45	17.27	0.0533
20+5	1	99	1	0	16-QAM	16.92	16.94	17.00	16.82	0.0481
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 = -0.18 dB)										
BW [MHz]	PCC		SCC		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
	RB Size	RB Offset	RB Size	RB Offset						
5+20	1	24	1	0	QPSK	17.48	17.37	17.35	17.3	0.0537
5+20	1	24	1	0	16-QAM	17.02	16.88	16.87	16.84	0.0483
Limit	EIRP < 23dBm/10MHz					Result			Pass	

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

<Ant. 5>

Part 96 LTE Band 48 Maximum Average Power [dBm] (GT - LC = 2.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	16.84	17.04	16.67	19.72	0.0938
20	1	49		16.67	16.92	16.46		
20	1	99		16.69	16.94	16.56		
20	50	0		16.77	17.02	16.62		
20	50	24		16.67	17.00	16.57		
20	50	50		16.67	17.01	16.61		
20	100	0		16.75	16.99	16.51		
20	1	0	16-QAM	16.84	17.09	16.68	19.88	0.0973
20	1	49		16.92	17.20	16.69		
20	1	99		16.84	17.11	16.68		
20	50	0		16.68	16.97	16.53		
20	50	24		16.75	16.99	16.60		
20	50	50		16.79	17.03	16.54		
20	100	0		16.65	16.98	16.49		
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 = 2.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	16.72	16.91	16.53	19.59	0.0910
15	1	37		16.63	16.90	16.36		
15	1	74		16.57	16.82	16.53		
15	36	0		16.72	16.90	16.60		
15	36	20		16.62	16.89	16.47		
15	36	39		16.56	16.91	16.49		
15	75	0		16.66	16.84	16.49		
15	1	0	16-QAM	16.79	17.00	16.56	19.73	0.0940
15	1	37		16.90	17.05	16.57		
15	1	74		16.79	16.99	16.62		
15	36	0		16.62	16.89	16.40		
15	36	20		16.61	16.95	16.57		
15	36	39		16.72	17.02	16.52		
15	75	0		16.63	16.93	16.37		
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 = 2.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	16.70	16.94	16.61	19.68	0.0929
10	1	25		16.61	16.82	16.35		
10	1	49		16.60	16.87	16.46		
10	25	0		16.72	16.87	16.61		
10	25	12		16.59	16.98	16.54		
10	25	25		16.66	17.00	16.58		
10	50	0		16.68	16.96	16.41		
10	1	0	16-QAM	16.77	17.04	16.66	19.85	0.0966
10	1	25		16.78	17.17	16.58		
10	1	49		16.80	16.99	16.62		
10	25	0		16.61	16.83	16.41		
10	25	12		16.72	16.85	16.47		
10	25	25		16.77	16.98	16.45		
10	50	0		16.64	16.95	16.44		
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 = 2.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	16.75	16.97	16.56	19.65	0.0923
5	1	12		16.52	16.85	16.34		
5	1	24		16.66	16.85	16.44		
5	12	0		16.65	16.88	16.51		
5	12	7		16.56	16.92	16.43		
5	12	13		16.66	16.95	16.53		
5	25	0		16.66	16.88	16.42		
5	1	0	16-QAM	16.78	17.07	16.64	19.78	0.0951
5	1	12		16.89	17.09	16.61		
5	1	24		16.76	17.10	16.56		
5	12	0		16.64	16.95	16.47		
5	12	7		16.64	16.88	16.51		
5	12	13		16.69	16.93	16.42		
5	25	0		16.50	16.89	16.39		
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

<Sample 2>

B1.Summary of each worse mode

Mode	Part	Band	Ch	Freq (MHz)	Level (dBm)	Det	Ant Factor (dB)	AmplCbl (dB)	Filter (dB)	EIRPCF (dB)	Reading (dBuV)	Limit (dBm)	Margin (dB)	Pol	Ant
22	Part 96	LTE CA 48C	M	10871	-42.53	RMS	37.74	-24.26	2.20	-95.23	37.02	-40.00	-2.53	V	Ant 8



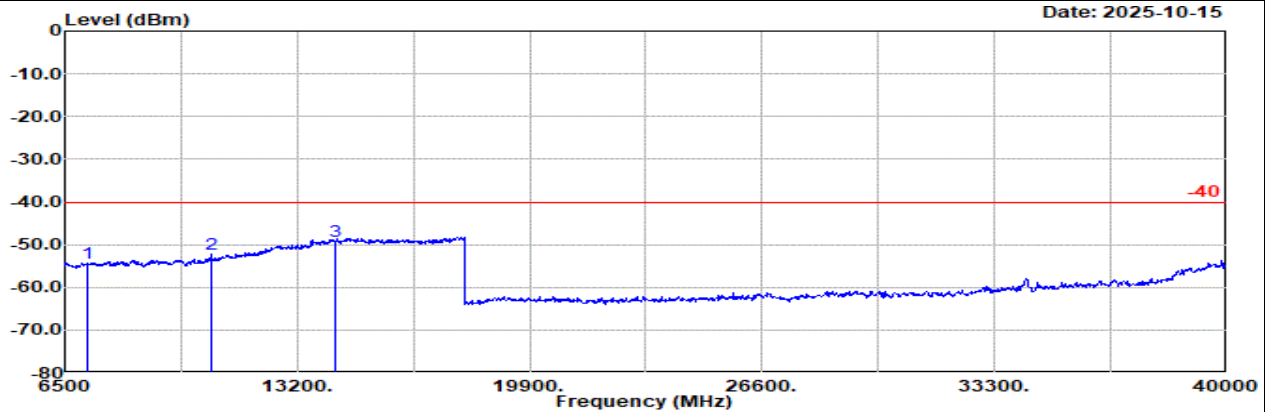
Ant. 8

Worst plane: NB with Accessory

Part 96 Mode 22

LTE CA 48C 20M + 20M Ch55340 1RB99 QPSK + Ch55538 1RB0 QPSK

L



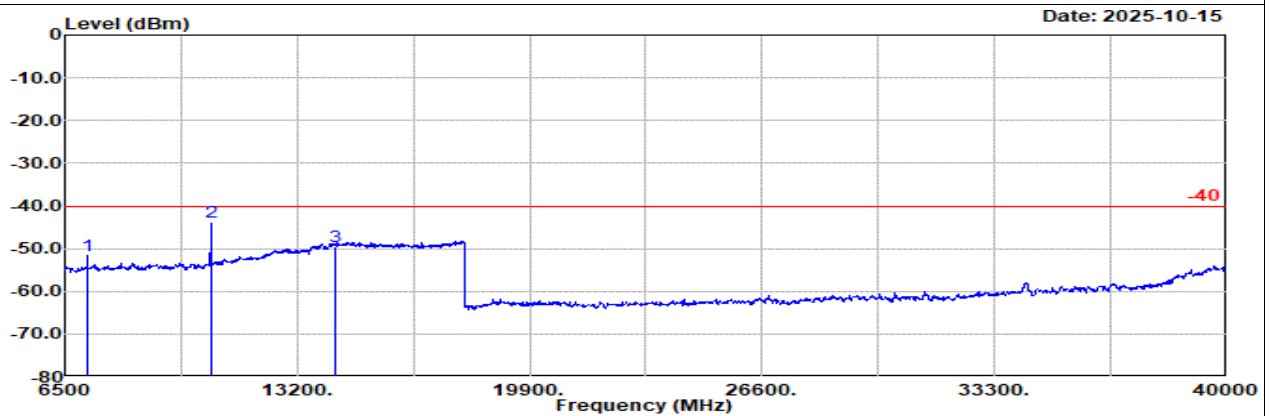
Site : 03CH23-HY

Condition: -40 3m DRH18-E_LE2C05A18EN_250702 Horizontal

: CA LTE Band 48C 20M Ch55340 1RB99 QPSK

: CA LTE Band 48C 20M Ch55538 1RB0 QPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF		Readin	Limit	Margin	Pol
				Factor	Amp\Cb		1					
	MHz	dBm										
1	7137.00	-54.23	RMS	36.67	-23.14	2.30	-95.23		25.17	-40.00	-14.23	Horizontal
2	10706.00	-52.11	RMS	37.70	-24.20	2.18	-95.23		27.44	-40.00	-12.11	Horizontal
3	14275.00	-49.13	RMS	41.15	-25.53	2.33	-95.23		28.15	-40.00	-9.13	Horizontal



Site : 03CH23-HY

Condition: -40 3m DRH18-E_LE2C05A18EN_250702 Vertical

: CA LTE Band 48C 20M Ch55340 1RB99 QPSK

: CA LTE Band 48C 20M Ch55538 1RB0 QPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF		Readin	Limit	Margin	Pol
				Factor	Amp\Cb		1					
	MHz	dBm										
1	7137.00	-51.69	RMS	36.67	-23.14	2.30	-95.23		27.71	-40.00	-11.69	Vertical
2	10706.00	-43.71	RMS	37.70	-24.20	2.18	-95.23		35.84	-40.00	-3.71	Vertical
3	14275.00	-49.38	RMS	41.15	-25.53	2.33	-95.23		27.90	-40.00	-9.38	Vertical



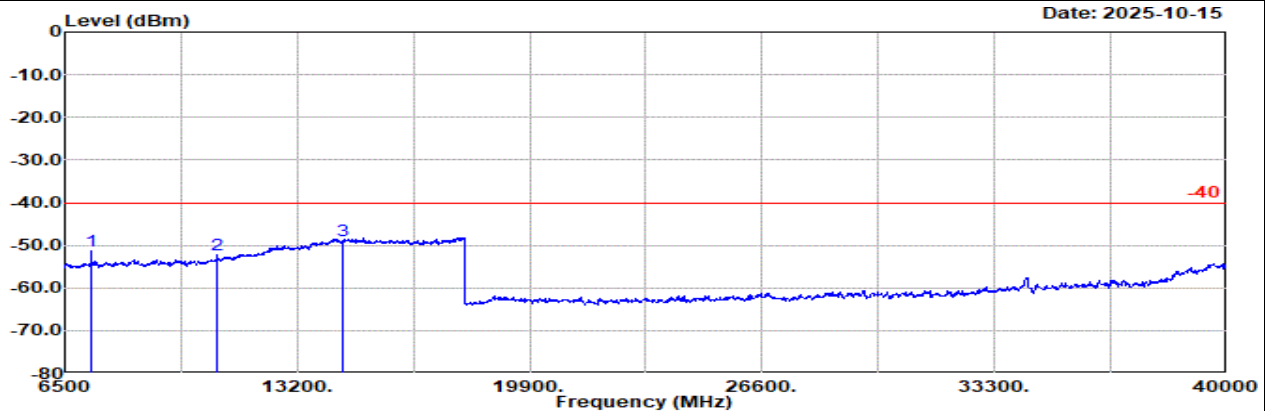
Ant. 8

Worst plane: NB with Accessory

Part 96 Mode 22

LTE CA 48C 20M + 20M Ch55891 1RB99 QPSK + Ch56089 1RB0 QPSK

M



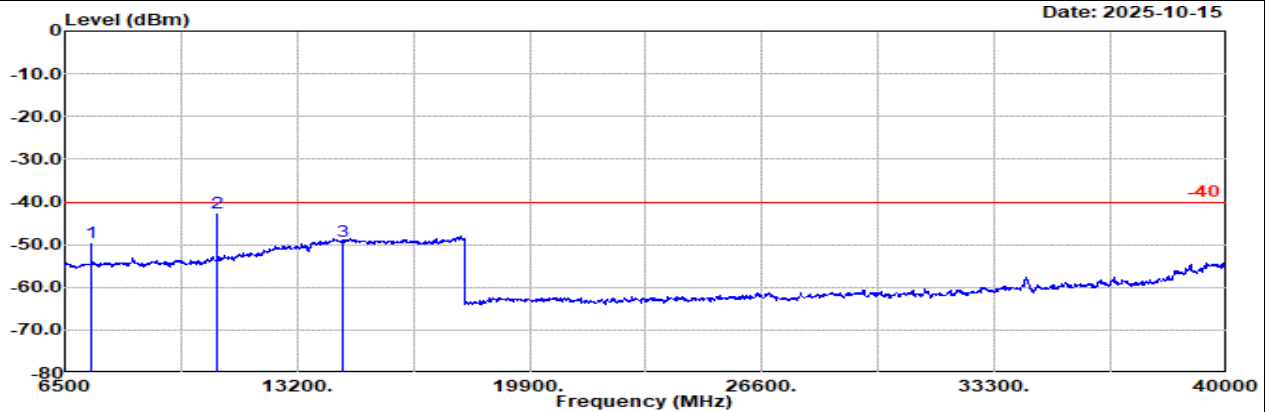
Site : 03CH23-HY

Condition: -40 3m DRH18-E_LE2C05A18EN_250702 Horizontal

: CA LTE Band 48C 20M Ch55891 1RB99 QPSK

: CA LTE Band 48C 20M Ch56089 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dBuV	dBm	dB	
1	7247.00	-51.24	RMS	36.90	-23.16	2.24	-95.23	28.01	-40.00	-11.24	Horizontal
2	10871.00	-52.08	RMS	37.74	-24.26	2.20	-95.23	27.47	-40.00	-12.08	Horizontal
3	14495.00	-49.05	RMS	41.48	-25.73	2.35	-95.23	28.08	-40.00	-9.05	Horizontal



Site : 03CH23-HY

Condition: -40 3m DRH18-E_LE2C05A18EN_250702 Vertical

: CA LTE Band 48C 20M Ch55891 1RB99 QPSK

: CA LTE Band 48C 20M Ch56089 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dBuV	dBm	dB	
1	7247.00	-49.43	RMS	36.90	-23.16	2.24	-95.23	29.82	-40.00	-9.43	Vertical
2	10871.00	-42.53	RMS	37.74	-24.26	2.20	-95.23	37.02	-40.00	-2.53	Vertical
3	14495.00	-49.22	RMS	41.48	-25.73	2.35	-95.23	27.91	-40.00	-9.22	Vertical



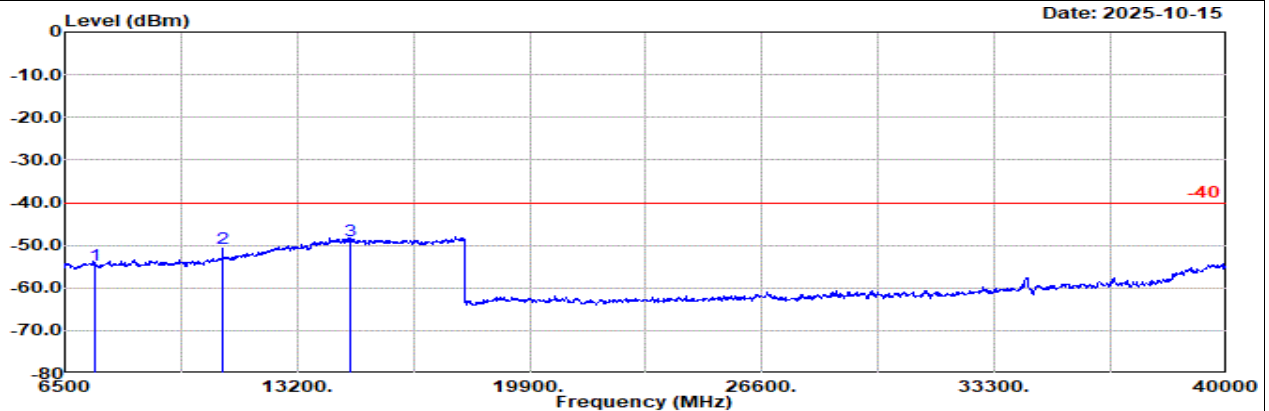
Ant. 8

Worst plane: NB with Accessory

Part 96 Mode 22

LTE CA 48C 20M + 20M Ch56442 1RB99 QPSK + Ch56640 1RB0 QPSK

H



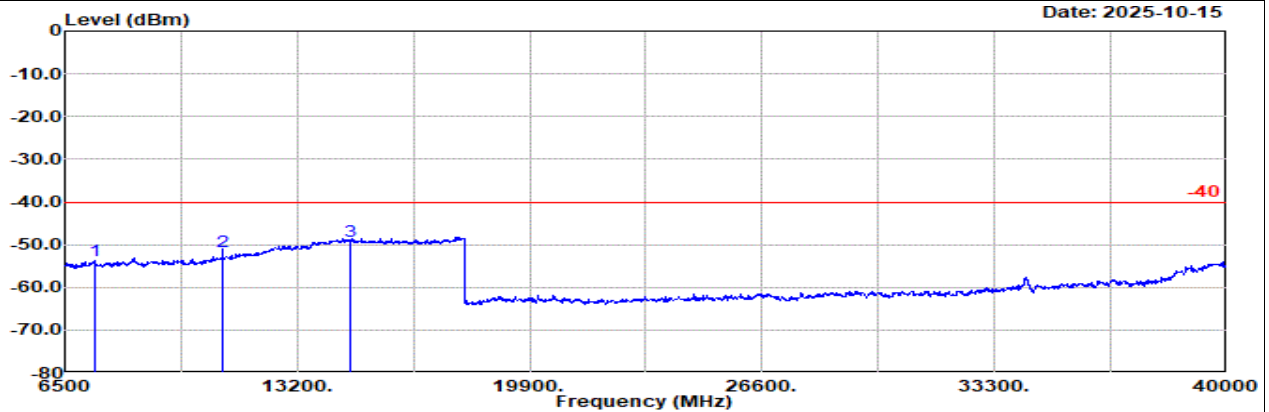
Site : 03CH23-HY

Condition: -40 3m DRH18-E_LE2C05A18EN_250702 Horizontal

: CA LTE Band 48C 20M Ch56442 1RB99 QPSK

: CA LTE Band 48C 20M Ch56640 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB
1	7358.00	-54.53	RMS	37.38	-23.20	2.09	-95.23	24.43	-40.00	-14.53	Horizontal
2	11037.00	-50.65	RMS	37.97	-24.31	2.22	-95.23	28.70	-40.00	-10.65	Horizontal
3	14716.00	-48.89	RMS	41.47	-25.94	2.38	-95.23	28.43	-40.00	-8.89	Horizontal



Site : 03CH23-HY

Condition: -40 3m DRH18-E_LE2C05A18EN_250702 Vertical

: CA LTE Band 48C 20M Ch56442 1RB99 QPSK

: CA LTE Band 48C 20M Ch56640 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB
1	7358.00	-53.66	RMS	37.38	-23.20	2.09	-95.23	25.30	-40.00	-13.66	Vertical
2	11037.00	-51.76	RMS	37.97	-24.31	2.22	-95.23	27.59	-40.00	-11.76	Vertical
3	14716.00	-49.24	RMS	41.47	-25.94	2.38	-95.23	28.08	-40.00	-9.24	Vertical

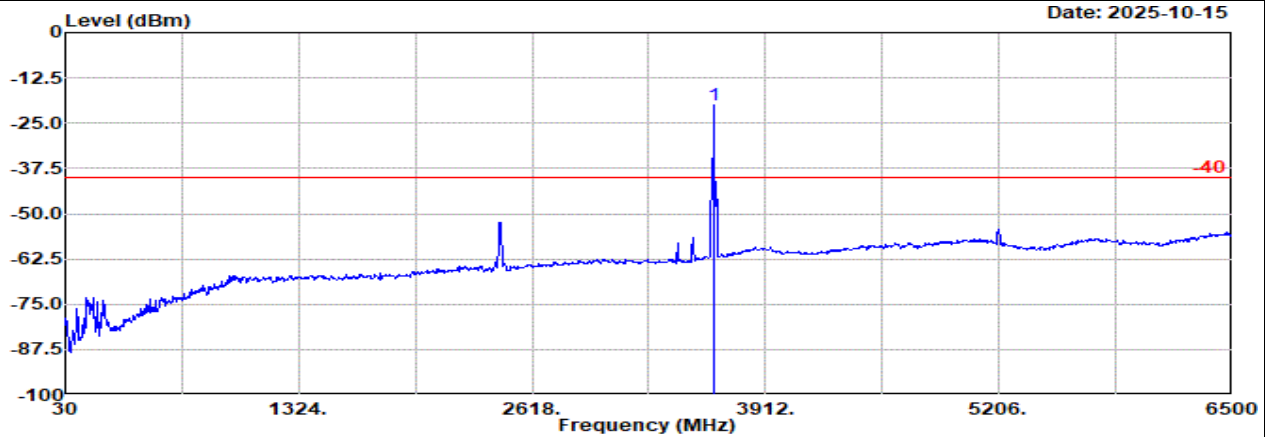


Ant. 8

Part 96 Mode 22

LTE CA 48C 20M + 20M Ch55891 1RB99 QPSK + Ch56089 1RB0 QPSK

M



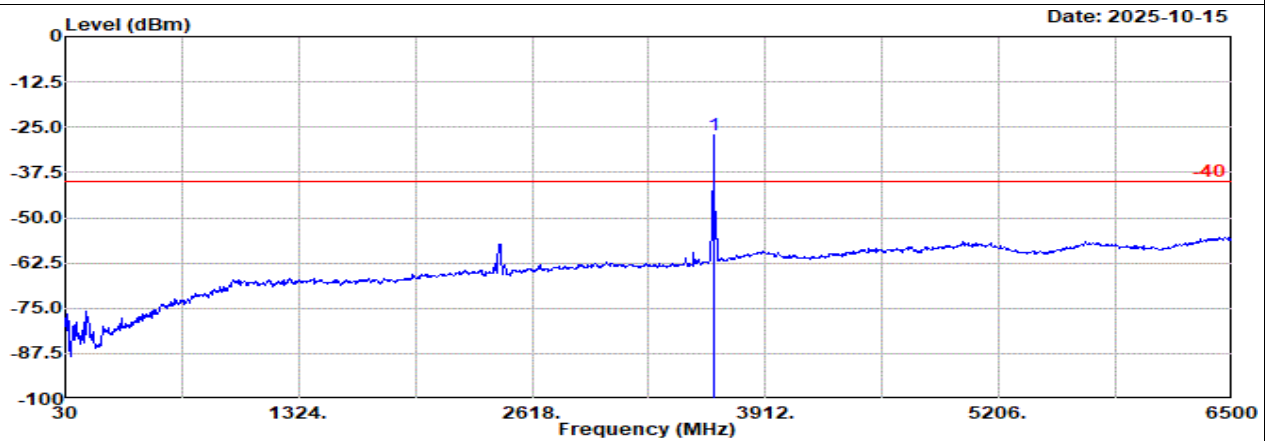
Site : 03CH23-HY

Condition: -40 3m CBL6111D_62028 & 003_241127 Horizontal

: LTE CA 48C 20M+20M Ch55981+Ch56089 1RB99+1RB0 QPSK

: #1 is fundamental signal which can be ignored.

	Freq	Level	Detector	Ant Factor	Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin	Pol
					dB/m	dB						
1	3629.00	-19.94	RMS	--	8.01	0.00	-95.23	567.28	-40.00	20.06		Horizontal



Site : 03CH23-HY

Condition: -40 3m CBL6111D_62028 & 003_241127 Vertical

: LTE CA 48C 20M+20M Ch55981+Ch56089 1RB99+1RB0 QPSK

: #1 is fundamental signal which can be ignored.

	Freq	Level	Detector	Ant Factor	Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin	Pol
					dB/m	dB						
1	3629.00	-26.98	RMS	--	8.01	0.00	-95.23	560.24	-40.00	13.02		Vertical

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



Appendix B. Test Results of Radiated Test

<Sample 2>

B1.Summary of each worse mode

Mode	Part	Band	Ch	Freq (MHz)	Level (dBm)	Det	Ant Factor (dB)	AmplCbl (dB)	Filter (dB)	EIRPCF (dB)	Reading (dBuV)	Limit (dBm)	Margin (dB)	Pol	Ant
22	Part 96	LTE CA 48C	M	10871	-42.53	RMS	37.74	-24.26	2.20	-95.23	37.02	-40.00	-2.53	V	Ant 8



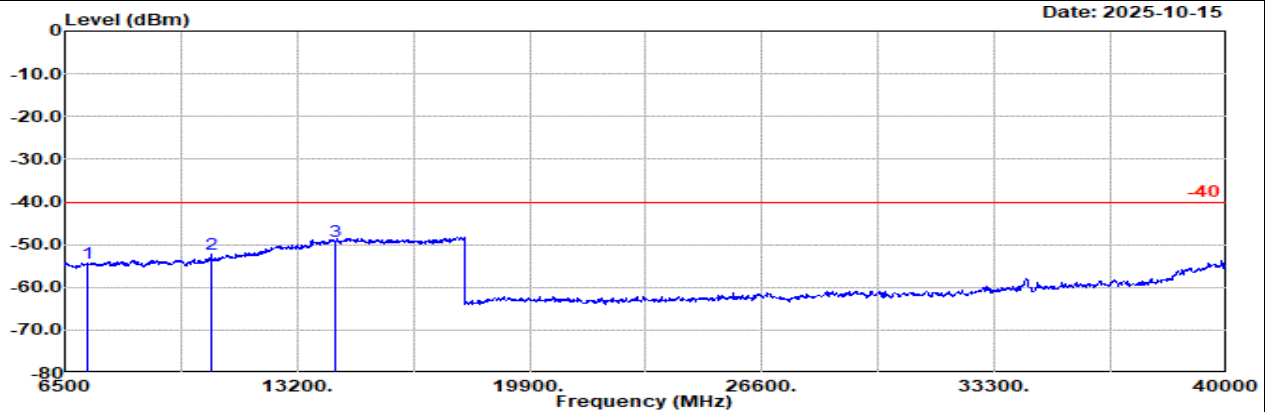
Ant. 8

Worst plane: NB with Accessory

Part 96 Mode 22

LTE CA 48C 20M + 20M Ch55340 1RB99 QPSK + Ch55538 1RB0 QPSK

L



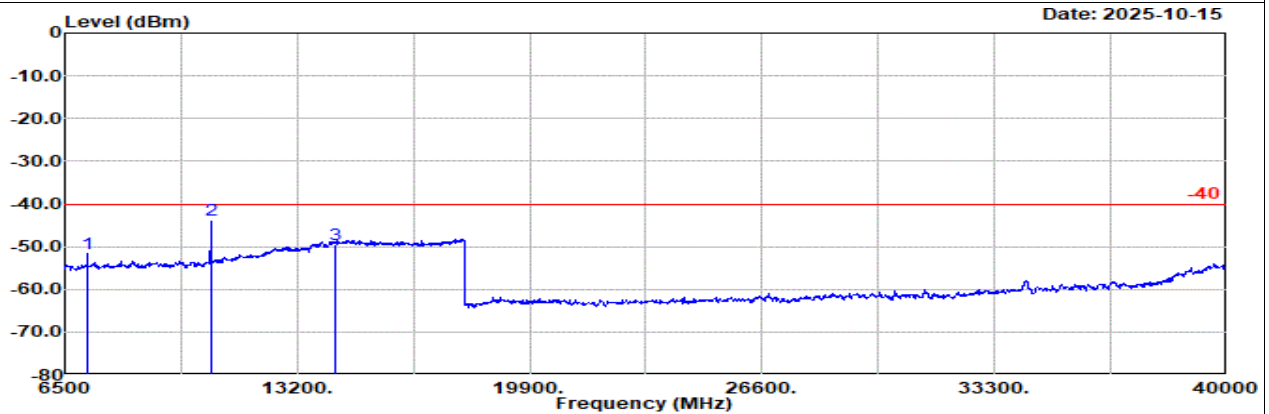
Site : 03CH23-HY

Condition: -40 3m DRH18-E_LE2C05A18EN_250702 Horizontal

: CA LTE Band 48C 20M Ch55340 1RB99 QPSK

: CA LTE Band 48C 20M Ch55538 1RB0 QPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF		Readin	Limit	Margin	Pol
				Factor	Amp\Cb		1					
	MHz	dBm										
1	7137.00	-54.23	RMS	36.67	-23.14	2.30	-95.23		25.17	-40.00	-14.23	Horizontal
2	10706.00	-52.11	RMS	37.70	-24.20	2.18	-95.23		27.44	-40.00	-12.11	Horizontal
3	14275.00	-49.13	RMS	41.15	-25.53	2.33	-95.23		28.15	-40.00	-9.13	Horizontal



Site : 03CH23-HY

Condition: -40 3m DRH18-E_LE2C05A18EN_250702 Vertical

: CA LTE Band 48C 20M Ch55340 1RB99 QPSK

: CA LTE Band 48C 20M Ch55538 1RB0 QPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF		Readin	Limit	Margin	Pol
				Factor	Amp\Cb		1					
	MHz	dBm										
1	7137.00	-51.69	RMS	36.67	-23.14	2.30	-95.23		27.71	-40.00	-11.69	Vertical
2	10706.00	-43.71	RMS	37.70	-24.20	2.18	-95.23		35.84	-40.00	-3.71	Vertical
3	14275.00	-49.38	RMS	41.15	-25.53	2.33	-95.23		27.90	-40.00	-9.38	Vertical



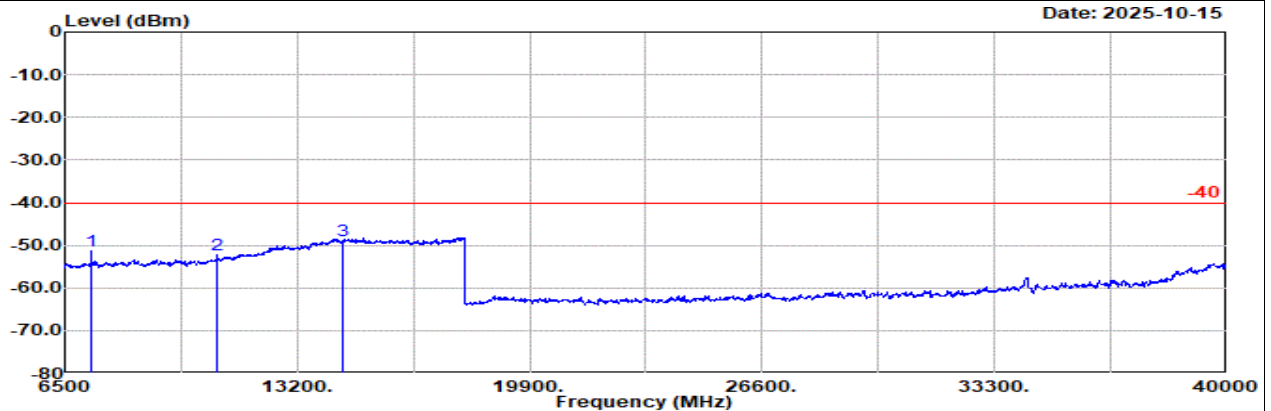
Ant. 8

Worst plane: NB with Accessory

Part 96 Mode 22

LTE CA 48C 20M + 20M Ch55891 1RB99 QPSK + Ch56089 1RB0 QPSK

M



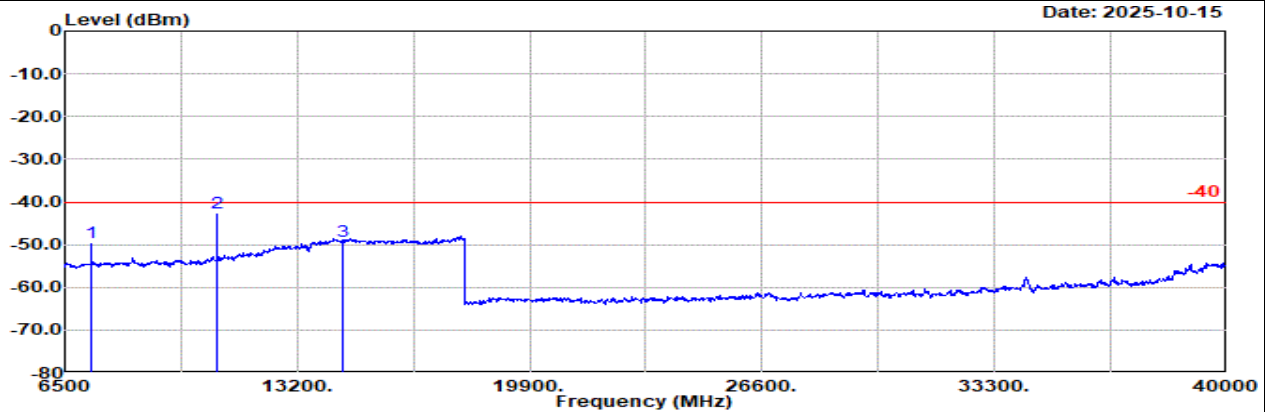
Site : 03CH23-HY

Condition: -40 3m DRH18-E_LE2C05A18EN_250702 Horizontal

: CA LTE Band 48C 20M Ch55891 1RB99 QPSK

: CA LTE Band 48C 20M Ch56089 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBm	dB	
1	7247.00	-51.24	RMS	36.90	-23.16	2.24	-95.23	28.01	-40.00	-11.24	Horizontal
2	10871.00	-52.08	RMS	37.74	-24.26	2.20	-95.23	27.47	-40.00	-12.08	Horizontal
3	14495.00	-49.05	RMS	41.48	-25.73	2.35	-95.23	28.08	-40.00	-9.05	Horizontal



Site : 03CH23-HY

Condition: -40 3m DRH18-E_LE2C05A18EN_250702 Vertical

: CA LTE Band 48C 20M Ch55891 1RB99 QPSK

: CA LTE Band 48C 20M Ch56089 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBm	dB	
1	7247.00	-49.43	RMS	36.90	-23.16	2.24	-95.23	29.82	-40.00	-9.43	Vertical
2	10871.00	-42.53	RMS	37.74	-24.26	2.20	-95.23	37.02	-40.00	-2.53	Vertical
3	14495.00	-49.22	RMS	41.48	-25.73	2.35	-95.23	27.91	-40.00	-9.22	Vertical



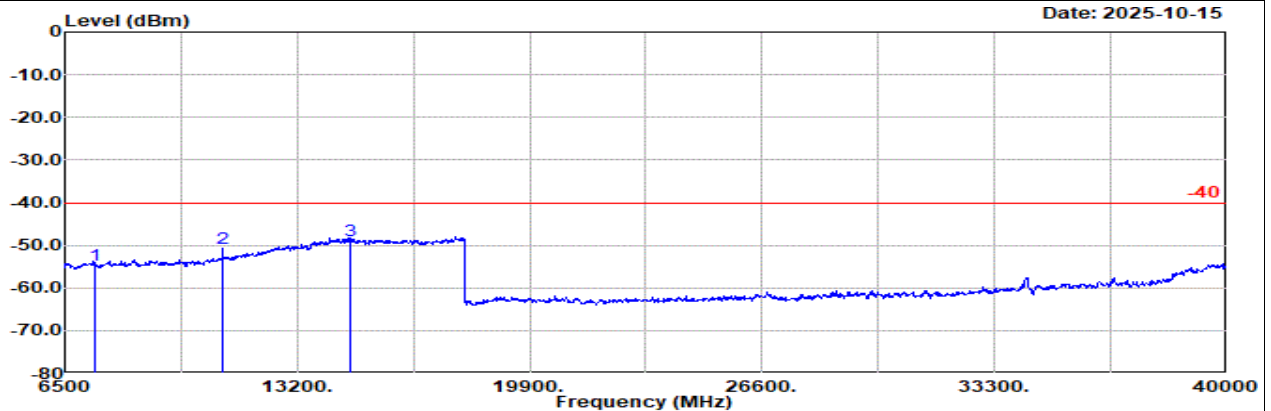
Ant. 8

Worst plane: NB with Accessory

Part 96 Mode 22

LTE CA 48C 20M + 20M Ch56442 1RB99 QPSK + Ch56640 1RB0 QPSK

H



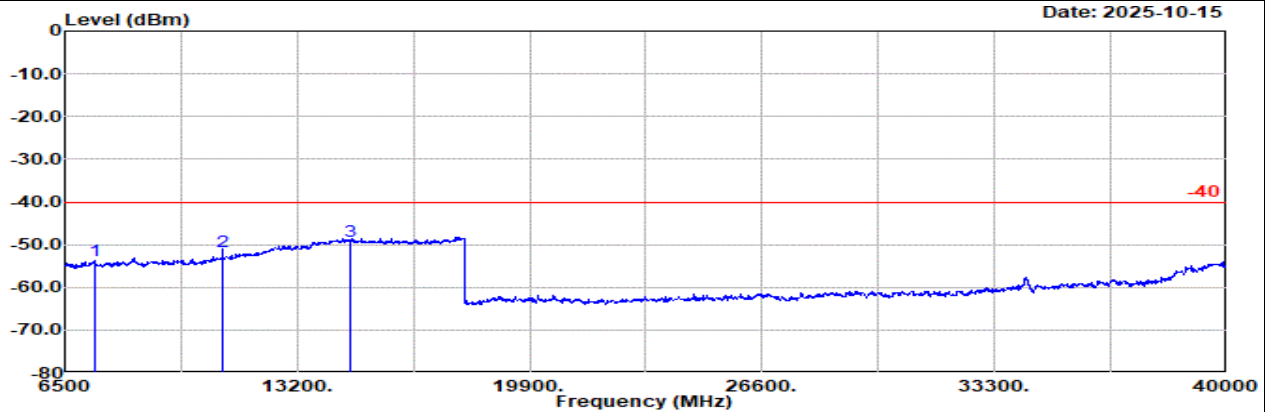
Site : 03CH23-HY

Condition: -40 3m DRH18-E_LE2C05A18EN_250702 Horizontal

: CA LTE Band 48C 20M Ch56442 1RB99 QPSK

: CA LTE Band 48C 20M Ch56640 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB
1	7358.00	-54.53	RMS	37.38	-23.20	2.09	-95.23	24.43	-40.00	-14.53	Horizontal
2	11037.00	-50.65	RMS	37.97	-24.31	2.22	-95.23	28.70	-40.00	-10.65	Horizontal
3	14716.00	-48.89	RMS	41.47	-25.94	2.38	-95.23	28.43	-40.00	-8.89	Horizontal



Site : 03CH23-HY

Condition: -40 3m DRH18-E_LE2C05A18EN_250702 Vertical

: CA LTE Band 48C 20M Ch56442 1RB99 QPSK

: CA LTE Band 48C 20M Ch56640 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB
1	7358.00	-53.66	RMS	37.38	-23.20	2.09	-95.23	25.30	-40.00	-13.66	Vertical
2	11037.00	-51.76	RMS	37.97	-24.31	2.22	-95.23	27.59	-40.00	-11.76	Vertical
3	14716.00	-49.24	RMS	41.47	-25.94	2.38	-95.23	28.08	-40.00	-9.24	Vertical

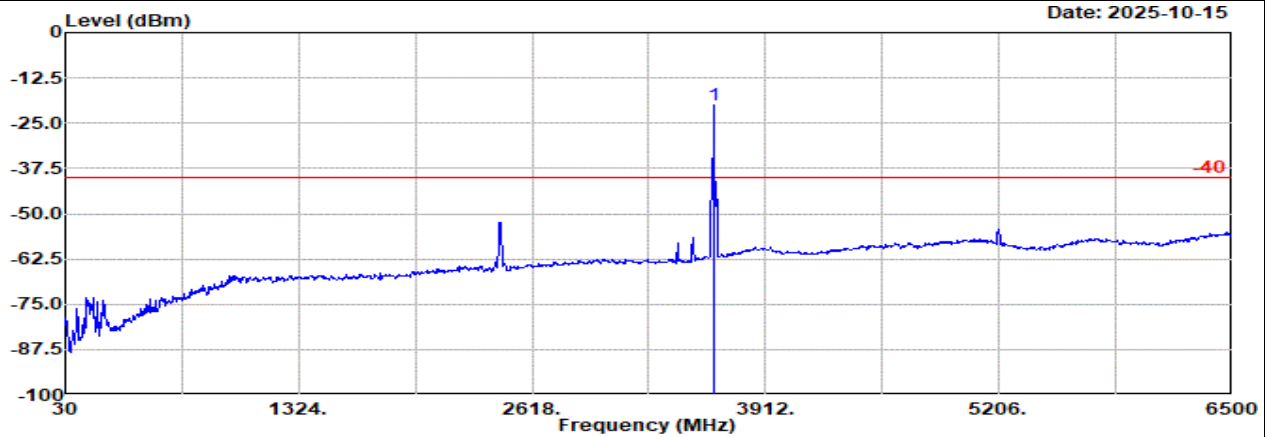


Ant. 8

Part 96 Mode 22

LTE CA 48C 20M + 20M Ch55891 1RB99 QPSK + Ch56089 1RB0 QPSK

M



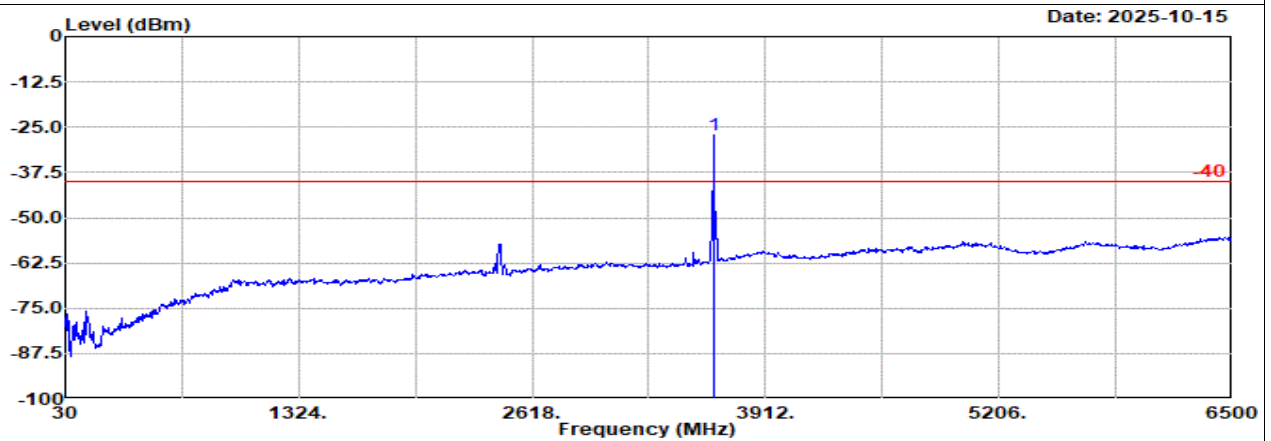
Site : 03CH23-HY

Condition: -40 3m CBL6111D_62028 & 003_241127 Horizontal

: LTE CA 48C 20M+20M Ch55981+Ch56089 1RB99+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
	MHz	dBm			dB/m		dB	dB	dBuV	dBm	dB	
1	3629.00	-19.94	RMS	--	8.01	0.00	-95.23	567.28	-40.00	20.06		Horizontal



Site : 03CH23-HY

Condition: -40 3m CBL6111D_62028 & 003_241127 Vertical

: LTE CA 48C 20M+20M Ch55981+Ch56089 1RB99+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
	MHz	dBm			dB/m		dB	dB	dBuV	dBm	dB	
1	3629.00	-26.98	RMS	--	8.01	0.00	-95.23	560.24	-40.00	13.02		Vertical

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