



FCC RADIO TEST REPORT

FCC ID : B94HNI65C4KLR
Equipment : Notebook Computer
Brand Name : HP
Model Name : HSN-I65C-4
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 Oct. 07, 2025 to Oct. 23, 2025. We, Sporton International Inc. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Louis Wu

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
FG591806D	01	Initial issue of report	Nov. 14, 2025
FG591806D	02	Modify the Remark section in the summary table. 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, 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/manufacture 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: Hannah Yang

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				
Antenna 8	Manufacturer	Vendor 1	Peak gain (dBi)	LTE Band 42: -3.75 LTE Band 43: -3.24 LTE Band 48: -3.80
	Part number	6036B0383701 (260-27596)	Type	PIFA
	Manufacturer	Vendor 2	Peak gain (dBi)	LTE Band 42: -1.68 LTE Band 43: -0.34 LTE Band 48: -0.34
	Part number	6036B0384801 (81EACC15.G31)	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	Uchun Liu
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
- ♦ FCC 47 CFR Part 2, 96
- ♦ FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- ♦ FCC KDB 940660 D01 Part 96 CBRS Eqpt v03
- ♦ FCC KDB 412172 D01 Determining ERP and EIRP v01r01
- ♦ 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.

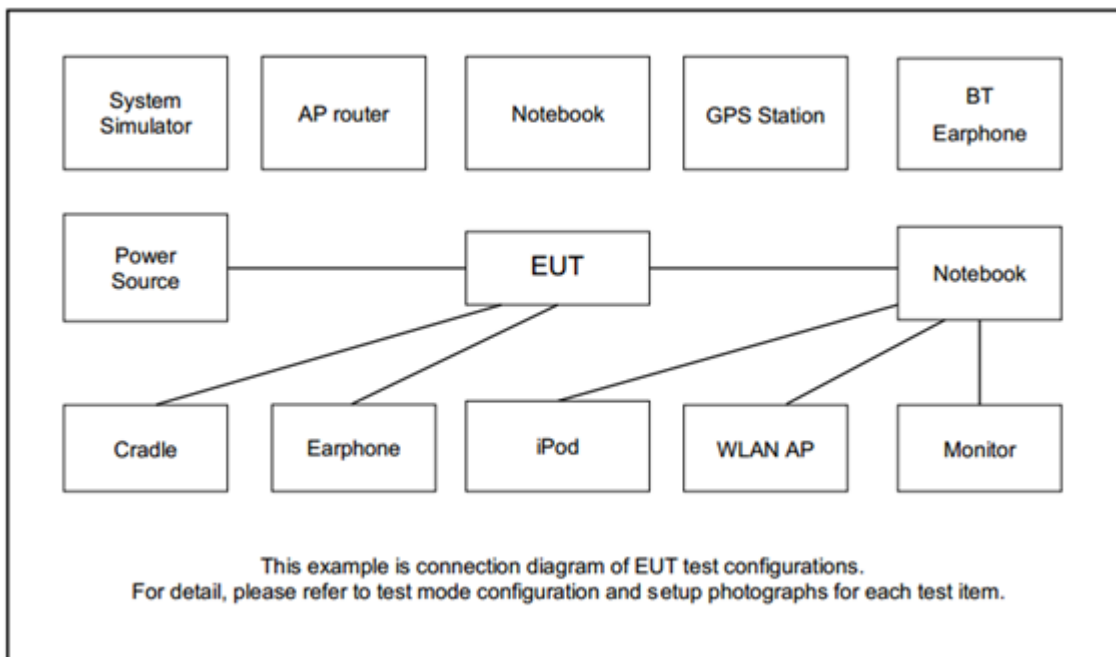
Modulation Type	Modulation
A	QPSK
B	16QAM
C	64QAM
D	256QAM

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.	System Simulator	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8 m
2.	iPod Earphone	Apple	N/A	Verification	Shielded, 1.2 m	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 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

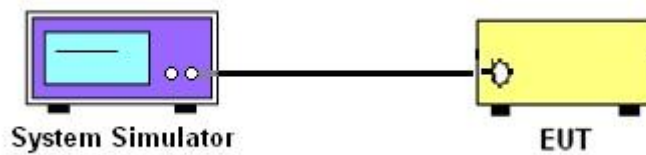
3 Conducted Test Items

3.1 Measuring Instruments

See list of measuring instruments of this test report.

3.1.1 Test Setup

3.1.2 Conducted Output Power



3.1.3 Test Result of Conducted Test

Please refer to Appendix A.



3.2 Conducted Output Power Measurement

3.2.1 Description of the Conducted Output Power Measurement

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

3.2.2 Test Procedures

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



3.3 EIRP

3.3.1 Description of the EIRP Measurement

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

The testing follows ANSI C63.26-2015 Section 5.2.5.5.

According to KDB 412172 D01 Power Approach,

$EIRP = PT + GT - LC$, where

PT = transmitter output power in dBm

GT = gain of the transmitting antenna in dBi

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

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

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

3.3.2 Test Procedures

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

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

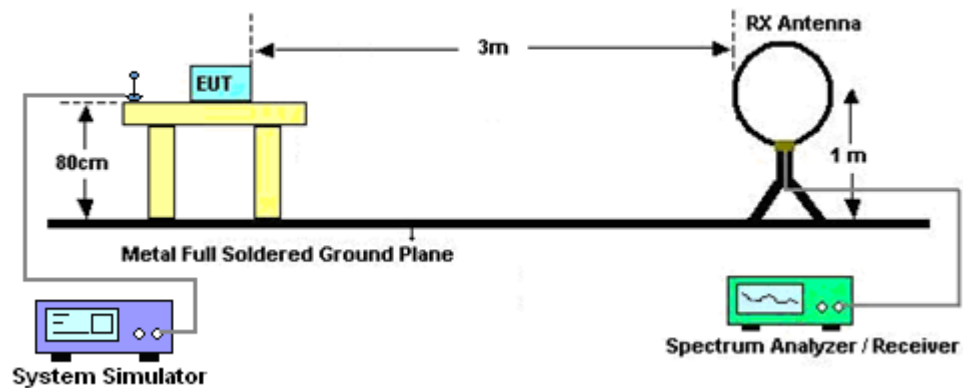
4 Radiated Test Items

4.1 Measuring Instruments

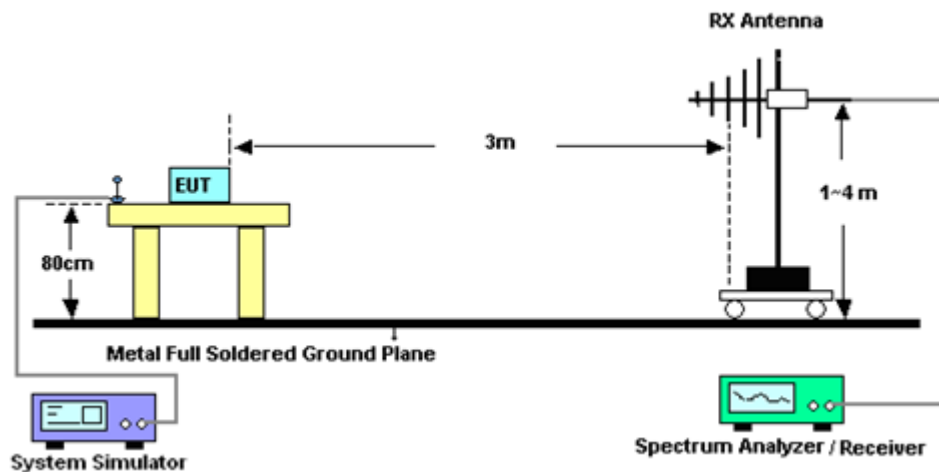
See list of measuring instruments of this test report.

4.2 Test Setup

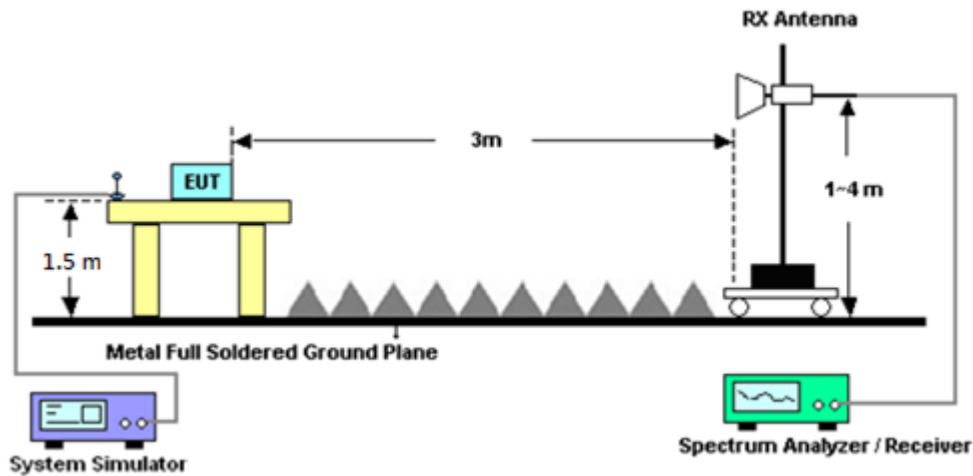
For radiated test below 30MHz



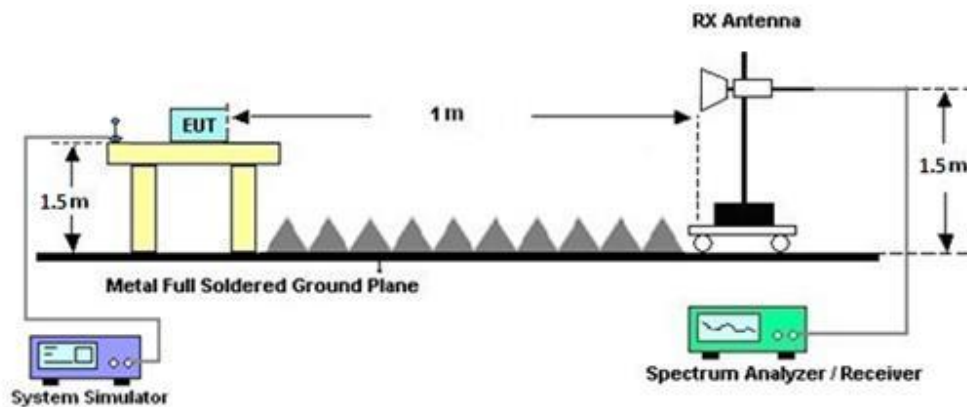
For radiated test from 30MHz to 1GHz



For radiated emissions from 1GHz to 18GHz



For radiated emissions above 18GHz



4.3 Test Result of Radiated Test

Please refer to Appendix B.

Note:

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

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

4.4 Radiated Spurious Emission

4.4.1 Description of Radiated Spurious Emission

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

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

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

4.4.2 Test Procedures

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

1. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
2. The EUT was set 3 meters from the receiving antenna mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
5. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
6. 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
7. Field Strength Level (dBm) = Spectrum Reading (dBm) + Antenna Factor + Cable Loss + Read Level - Preamp Factor.
8. ERP (dBm) = EIRP (dBm) - 2.15
9. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.



5 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2E	101108	9 kHz~30 MHz	Dec. 18, 2024	Oct. 07, 2025~ Oct. 16, 2025	Dec. 17, 2025	Radiation (03CH23-HY)
Bilog Antenna	TESEQ & WOKEN	CBL 6111D & 00802N1D-06	62028 & 003	30MHz~1GHz	Nov. 27, 2024	Oct. 07, 2025~ Oct. 16, 2025	Nov. 26, 2025	Radiation (03CH23-HY)
Amplifier	SONOMA	310N	421582	9kHz~1GHz	Jul. 13, 2025	Oct. 07, 2025~ Oct. 16, 2025	Jul. 12, 2026	Radiation (03CH23-HY)
Amplifier	EMEC	EM01G18GA	060878	1GHz~18GHz	Sep. 26, 2025	Oct. 07, 2025~ Oct. 16, 2025	Sep. 25, 2026	Radiation (03CH23-HY)
Double Ridged Guide Horn Antenna	RFSPIN	DRH18-E	LE2C05A18EN	1GHz~18GHz	Jul. 02, 2025	Oct. 07, 2025~ Oct. 16, 2025	Jul. 01, 2026	Radiation (03CH23-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	1225	18GHz~40GHz	Jul. 02, 2025	Oct. 07, 2025~ Oct. 16, 2025	Jul. 01, 2026	Radiation (03CH23-HY)
Preamplifier	EMEC	EM18G40G	060873	18GHz~40GHz	Aug. 26, 2025	Oct. 07, 2025~ Oct. 16, 2025	Aug. 25, 2026	Radiation (03CH23-HY)
Signal Analyzer	Keysight	N9010B	MY62170337	10Hz~44GHz	Aug. 26, 2025	Oct. 07, 2025~ Oct. 16, 2025	Aug. 25, 2026	Radiation (03CH23-HY)
Hygrometer	TECEPIL	DTM-303B	TP211542	N/A	Oct. 21, 2024	Oct. 07, 2025~ Oct. 16, 2025	Oct. 20, 2025	Radiation (03CH23-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Oct. 07, 2025~ Oct. 16, 2025	N/A	Radiation (03CH23-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Oct. 07, 2025~ Oct. 16, 2025	N/A	Radiation (03CH23-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Oct. 07, 2025~ Oct. 16, 2025	N/A	Radiation (03CH23-HY)
Software	Audix	N/A	RK-002348	N/A	N/A	Oct. 07, 2025~ Oct. 16, 2025	N/A	Radiation (03CH23-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804395/2	30MHz~40GHz	Nov. 26, 2024	Oct. 07, 2025~ Oct. 16, 2025	Nov. 25, 2025	Radiation (03CH23-HY)
RF Cable	EMC	EMC101Y	231115/231119/ 231122	30MHz~40GHz	Nov. 26, 2024	Oct. 07, 2025~ Oct. 16, 2025	Nov. 25, 2025	Radiation (03CH23-HY)
Radio Communication Analyzer	Anritsu	MT8821C	6262025353	LTE FDD/TDD LTE-2CC DLCA/ULCA	Oct. 08, 2025	Oct. 17, 2025~ Oct. 23, 2025	Oct. 07, 2026	Conducted (TH03-HY)
Coupler+10dB + RFcable	Warison + WoKen + E-Instrument	20dB 25W SMA Directional Coupler+ 10dB 18GHz_5W+S FL405_1.5M	#A+#1+#1+#7	1-18GHz	Jan. 03, 2025	Oct. 17, 2025~ Oct. 23, 2025	Jan. 02, 2026	Conducted (TH03-HY)
Software	Sporton	LTE Conducted Test Tools	N/A	Conducted Test Item	N/A	Oct. 17, 2025~ Oct. 23, 2025	N/A	Conducted (TH03-HY)
Hygrometer	TECEPIL	DTM-303B	TP200886	-10 ~ 50°C / 20 ~ 95%RH	Mar. 03, 2025	Oct. 17, 2025~ Oct. 23, 2025	Mar. 02, 2026	Conducted (TH03-HY)

6 Measurement Uncertainty

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

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	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% ($U = 2Uc(y)$)	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% ($U = 2Uc(y)$)	5.70 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 = -0.34 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	20.43	20.39	20.76	20.42	0.1102
20	1	0	16-QAM	19.51	19.47	19.80	19.46	0.0883
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 = -0.34 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	20.47	20.39	20.74	20.40	0.1096
15	1	0	16-QAM	19.54	19.50	19.83	19.49	0.0889
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 = -0.34 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	20.55	20.47	20.72	20.38	0.1091
10	1	0	16-QAM	19.61	19.55	19.87	19.53	0.0897
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 = -0.34 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	20.58	20.51	20.55	20.24	0.1057
5	1	0	16-QAM	19.64	19.58	19.89	19.55	0.0902
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 = -1.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	21.55	21.46	21.49	19.87	0.0971
20	1	0	16-QAM	20.64	20.54	20.64	18.96	0.0787
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 = -1.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	21.51	21.49	21.49	19.83	0.0962
15	1	0	16-QAM	20.67	20.59	20.61	18.99	0.0793
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 = -1.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	21.44	21.21	21.41	19.76	0.0946
10	1	0	16-QAM	20.72	20.61	20.70	19.04	0.0802
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 = -1.68 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	21.48	21.34	21.47	19.80	0.0955
5	1	0	16-QAM	20.70	20.59	20.66	19.02	0.0798
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 = -0.34 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	21.25	21.11	21.14	20.91	0.1233
20	1	0	16-QAM	20.24	20.17	20.21	19.90	0.0977
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 = -0.34 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	21.19	21.09	21.20	20.86	0.1219
15	1	0	16-QAM	20.29	20.19	20.29	19.95	0.0989
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 = -0.34 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	21.10	21.17	21.23	20.89	0.1227
10	1	0	16-QAM	20.34	20.26	20.30	20.00	0.1000
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 = -0.34 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	21.11	21.19	21.09	20.85	0.1216
5	1	0	16-QAM	20.34	20.27	20.30	20.00	0.1000
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 = -1.68 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	20.21	20.20	20.17	18.53	0.0713
20+20	1	99	1	0	16-QAM	19.77	19.73	19.72	18.09	0.0644
20+15	1	99	1	0	QPSK	20.23	20.17	20.21	18.55	0.0716
20+15	1	99	1	0	16-QAM	19.70	19.72	19.75	18.07	0.0641
15+20	1	74	1	0	QPSK	20.33	20.33	20.31	18.65	0.0733
15+20	1	74	1	0	16-QAM	19.85	19.86	19.84	18.18	0.0658
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 = -1.68 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	20.19	20.10	20.21	18.53	0.0713
20+10	1	99	1	0	16-QAM	19.69	19.66	19.79	18.11	0.0647
10+20	1	49	1	0	QPSK	20.11	20.10	20.04	18.43	0.0697
10+20	1	49	1	0	16-QAM	19.69	19.66	19.63	18.01	0.0632
20+5	1	99	1	0	QPSK	20.12	20.10	20.21	18.53	0.0713
20+5	1	99	1	0	16-QAM	19.67	19.63	19.77	18.09	0.0644
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 = -1.68 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	20.23	20.11	20.07	18.55	0.0716
5+20	1	24	1	0	16-QAM	19.73	19.59	19.58	18.05	0.0638
Limit	EIRP < 23dBm/10MHz					Result			#VALUE!	

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

Part 96 LTE Band 48C_CA Maximum Average Power [dBm] (GT - LC = -0.34 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	17.66	17.67	17.65	17.33	0.0541
20+20	1	99	1	0	16-QAM	17.22	17.23	17.20	16.89	0.0489
20+15	1	99	1	0	QPSK	17.63	17.63	17.53	17.29	0.0536
20+15	1	99	1	0	16-QAM	17.24	17.23	17.13	16.9	0.0490
15+20	1	74	1	0	QPSK	17.84	17.84	17.81	17.5	0.0562
15+20	1	74	1	0	16-QAM	17.47	17.37	17.32	17.13	0.0516
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 = -0.34 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	17.66	17.62	17.50	17.32	0.0540
20+10	1	99	1	0	16-QAM	17.18	17.15	17.08	16.84	0.0483
10+20	1	49	1	0	QPSK	17.68	17.62	17.56	17.34	0.0542
10+20	1	49	1	0	16-QAM	17.21	17.17	17.11	16.87	0.0486
20+5	1	99	1	0	QPSK	17.59	17.54	17.48	17.25	0.0531
20+5	1	99	1	0	16-QAM	17.10	17.09	17.02	16.76	0.0474
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 = -0.34 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	17.72	17.62	17.58	17.38	0.0547
5+20	1	24	1	0	16-QAM	17.19	17.12	17.04	16.85	0.0484
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)	Amp/Cbl (dB)	Filter (dB)	EIRPCF (dB)	Reading (dBuV)	Limit (dBm)	Margin (dB)	Pol	Ant
22	Part 96	LTE CA 48C	M	14496	-49.03	RMS	41.48	-25.73	2.35	-95.23	28.10	-40.00	-9.03	H	Ant 8

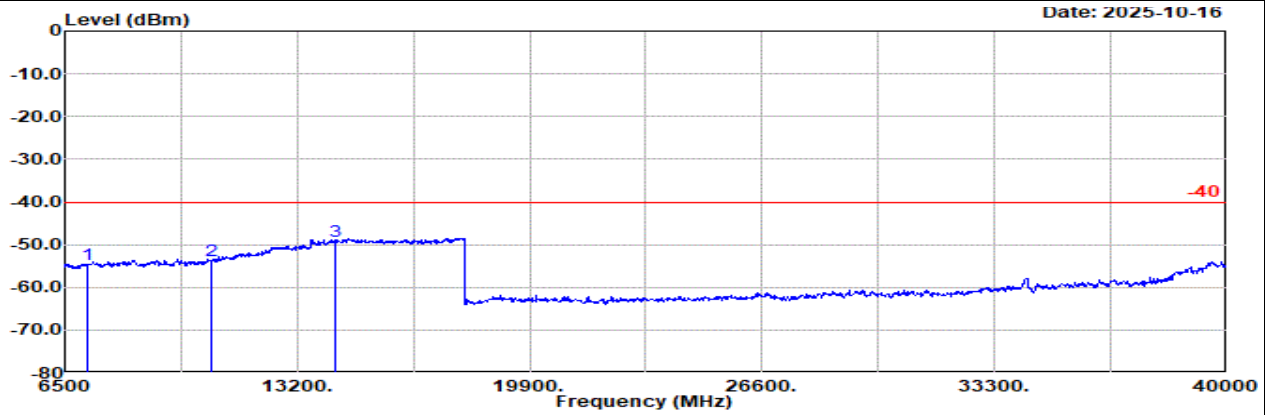


Ant. 8

Part 96 Mode 22

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

L



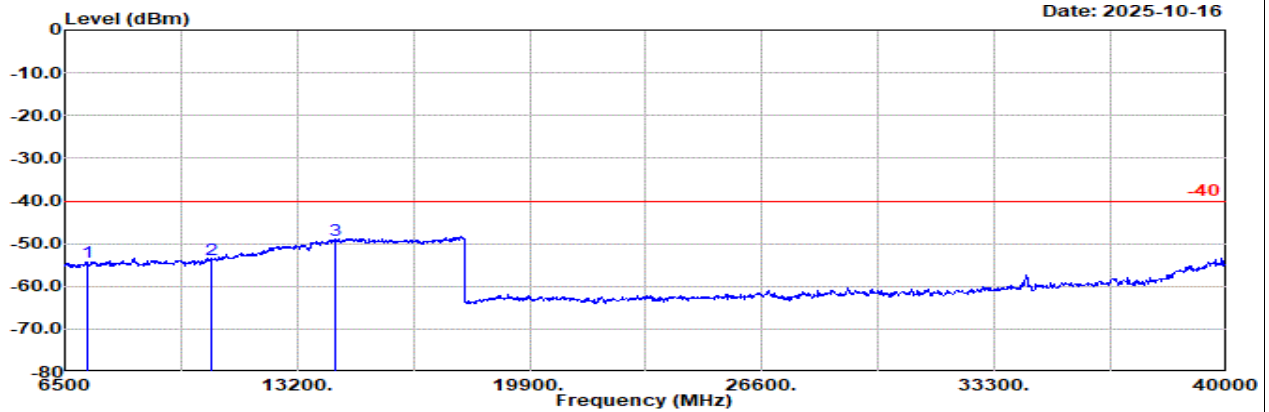
Site : 03CH23-HY

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 Amp\Cb Filter		EIRPCF	Readin	Limit	Margin	Pol
				Factor	1					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	7137.00	-54.75	RMS	36.67	-23.14	2.30	-95.23	24.65	-40.00	-14.75
2	10706.00	-53.84	RMS	37.70	-24.20	2.18	-95.23	25.71	-40.00	-13.84
3	14275.00	-49.18	RMS	41.15	-25.53	2.33	-95.23	28.10	-40.00	-9.18



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 Amp\Cb Filter		EIRPCF	Readin	Limit	Margin	Pol
				Factor	1					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	7137.00	-54.28	RMS	36.67	-23.14	2.30	-95.23	25.12	-40.00	-14.28
2	10706.00	-53.86	RMS	37.70	-24.20	2.18	-95.23	25.69	-40.00	-13.86
3	14275.00	-49.08	RMS	41.15	-25.53	2.33	-95.23	28.20	-40.00	-9.08

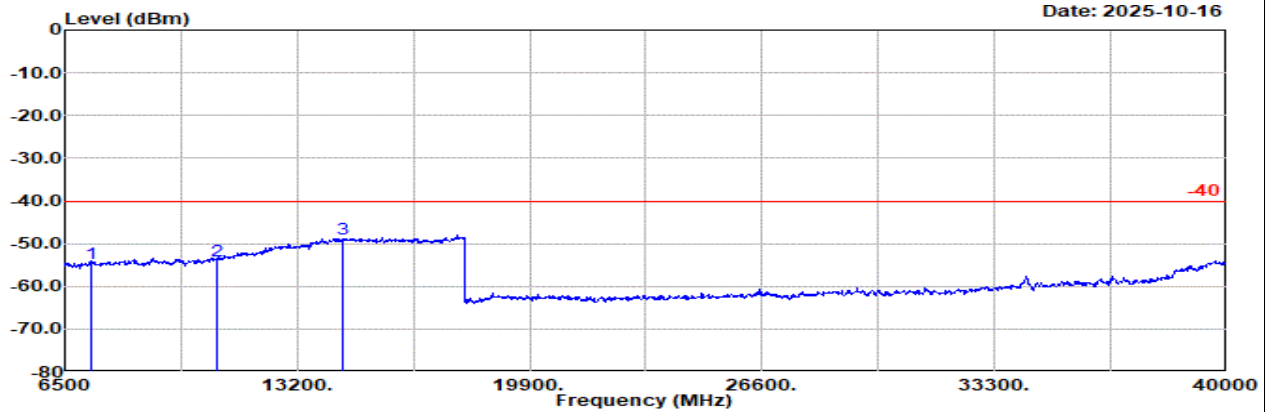


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Part 96 Mode 22

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

M



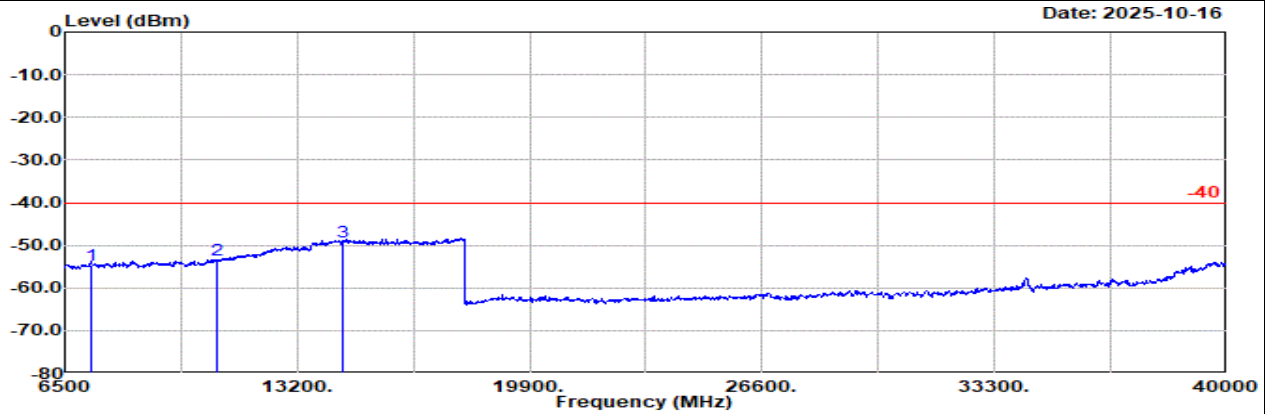
Site : 03CH23-HY

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 Amp\Cb		Filter	EIRPCF		Readin Limit		Margin	Pol
	MHz	dBm		Factor	dB		dB	dB	dBuV	dBm		
1	7248.00	-54.77	RMS	36.90	-23.16	2.24	-95.23	24.48	-40.00	-14.77	Horizontal	
2	10872.00	-54.01	RMS	37.74	-24.26	2.20	-95.23	25.54	-40.00	-14.01	Horizontal	
3	14496.00	-49.03	RMS	41.48	-25.73	2.35	-95.23	28.10	-40.00	-9.03	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 Amp\Cb		Filter	EIRPCF		Readin Limit		Margin	Pol
	MHz	dBm		Factor	dB		dB	dB	dBuV	dBm		
1	7248.00	-54.66	RMS	36.90	-23.16	2.24	-95.23	24.59	-40.00	-14.66	Vertical	
2	10872.00	-53.56	RMS	37.74	-24.26	2.20	-95.23	25.99	-40.00	-13.56	Vertical	
3	14496.00	-49.34	RMS	41.48	-25.73	2.35	-95.23	27.79	-40.00	-9.34	Vertical	

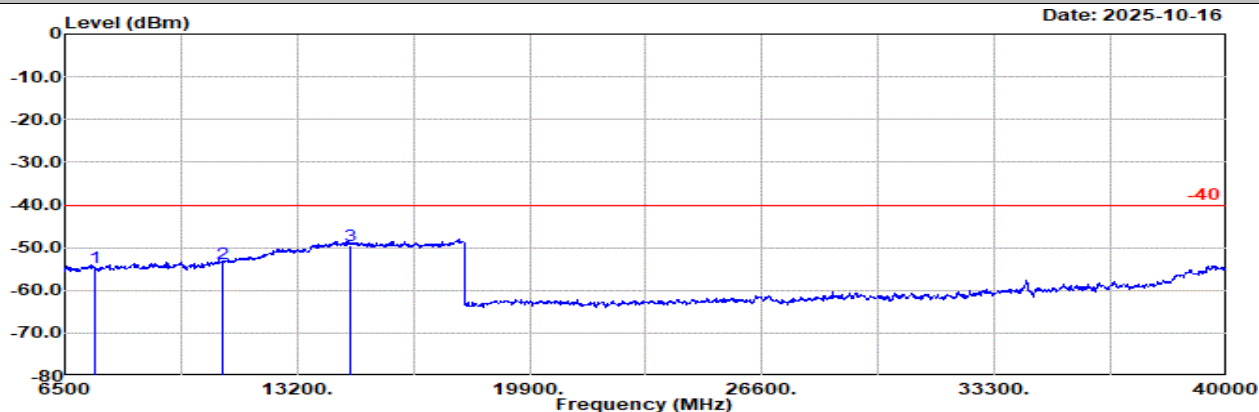


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Part 96 Mode 22

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

H



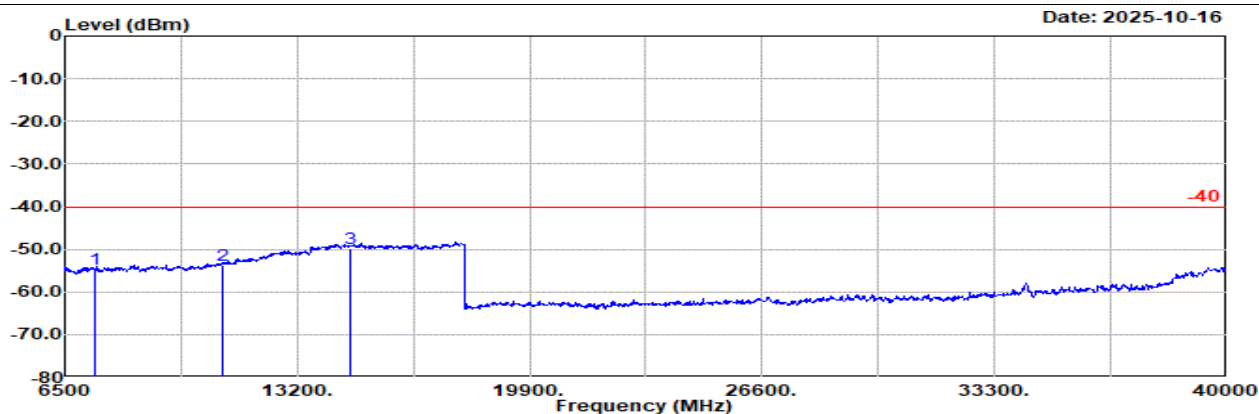
Site : 03CH23-HY

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	EIRPCF	Readin		Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm			
1	7358.00	-54.63	RMS	37.38	-23.20	2.09	-95.23	24.33	-40.00	-14.63	Horizontal		
2	11037.00	-53.77	RMS	37.97	-24.31	2.22	-95.23	25.58	-40.00	-13.77	Horizontal		
3	14716.00	-49.37	RMS	41.47	-25.94	2.38	-95.23	27.95	-40.00	-9.37	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	EIRPCF	Readin		Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm			
1	7358.00	-54.70	RMS	37.38	-23.20	2.09	-95.23	24.26	-40.00	-14.70	Vertical		
2	11037.00	-53.65	RMS	37.97	-24.31	2.22	-95.23	25.70	-40.00	-13.65	Vertical		
3	14716.00	-49.72	RMS	41.47	-25.94	2.38	-95.23	27.60	-40.00	-9.72	Vertical		

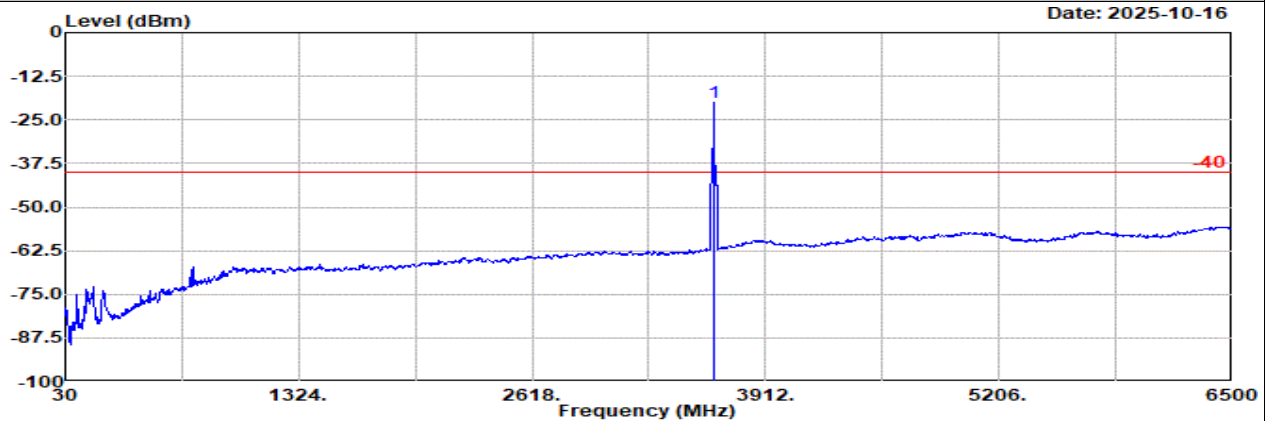


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Part 96 Mode 22

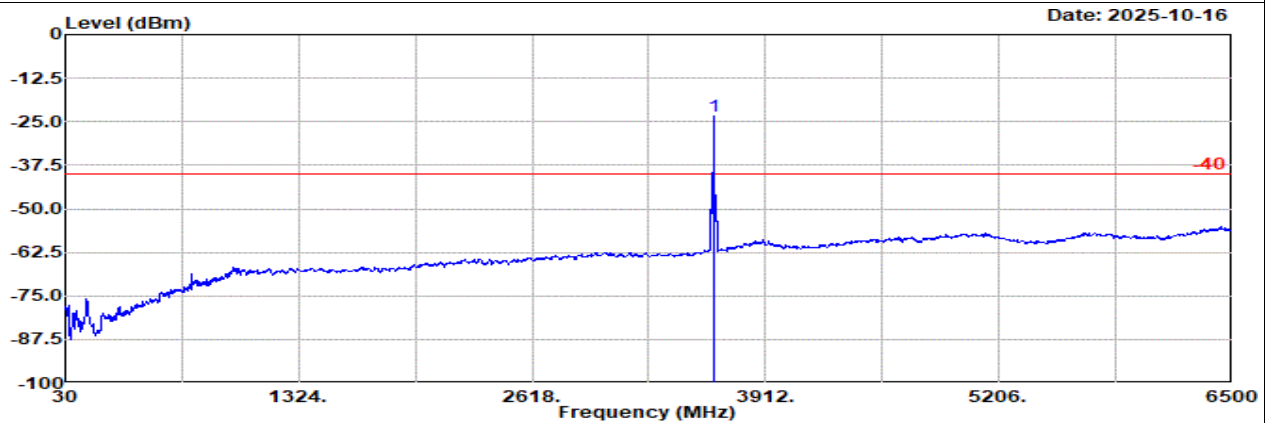
LTE CA 48C 20M + 20M Ch55891 1RB99 QPSK + Ch56089 1RB0 QPSK

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
: #1 is fundamental signal which can be ignored.

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	1						
	MHz	dBm									
1	3629.00	-19.86	RMS	29.67	-23.72	1.42	-95.23	68.00	-----	-----	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
: #1 is fundamental signal which can be ignored.

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	1						
	MHz	dBm									
1	3629.00	-23.39	RMS	29.67	-23.72	1.42	-95.23	64.47	-----	-----	Vertical

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