



FCC RADIO TEST REPORT

FCC ID : B94HNI67C4KLR
Equipment : Notebook Computer
Brand Name : HP
Model Name : HSN-I67C-4
Applicant : HP Inc.
1501 Page Mill Road, Palo Alto CA, 94304, USA
Standard : FCC 47 CFR Part 2, 22(H), 24(E), 27, Part 90(R), Part 90(S)

The product was received on Oct. 27, 2025 and testing was performed from Nov. 07, 2025 to Dec. 19, 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.

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
FG5O2730B	01	Initial issue of report	Dec. 22, 2025



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046	Conducted Output Power	Pass	-
	§22.913 (a)(5) §90.635	Effective Radiated Power (Band 5) (Band 26)	Pass	
	§27.50 (b)(10) §27.50 (c)(10)	Effective Radiated Power (Band 12) (Band 13) (Band 17) (Band 71)		
	§24.232 (c) §27.50 (h)(2)	Equivalent Isotropic Radiated Power (Band 2) (Band 25) (Band 7) (Band 38) (Band 41)		
	§27.50 (d)(4)	Equivalent Isotropic Radiated Power (Band 4) (Band 66)		
	§27.50 (a)(3)	Equivalent Isotropic Radiated Power (Band 30)		
	§90.542 (a)(7)	Effective Radiated Power (Band 14)		
-	§24.232 (d) §27.50 (d)(5)	Peak-to-Average Ratio	Pass	See Note
-	§2.1049	Occupied Bandwidth	Pass	See Note
-	§2.1051 §22.917 (a) §24.238 (a) §27.53 (c)(2)(4) §27.53 (g) §27.53 (h)	Conducted Band Edge Measurement (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26) (Band 66) (Band 71)	Pass	See Note
	§2.1051 §27.53 (m)(4)	Conducted Band Edge Measurement (Band 7) (Band 38) (Band 41)		
	§2.1051 §27.53 (a)(4)	Conducted Band Edge Measurement (Band 30)		
	§2.1051 §90.543 (e)(2)	Conducted Band Edge Measuremen (Band 14)		
-	§2.1051 §90.210 (n)	Emission Mask (Band 14)	Pass	See Note
	§2.1051 §90.691	Emission masks (Band 26)		



Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
-	§2.1051 §22.917 (a) §24.238 (a) §27.53 (c)(2) §27.53 (g) §27.53 (h) §90.691	Conducted Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26) (Band 66) (Band 71)	Pass	See Note
	§2.1051 §27.53 (m)(4)	Conducted Spurious Emission (Band 7) (Band 38) (Band 41)		
	§2.1051 §27.53 (a)(4)	Conducted Spurious Emission (Band 30)		
	§2.1051 §90.543 (e)(3)	Conducted Spurious Emission (Band 14)		
-	§2.1055 §22.355 §24.235 §27.54 §90.539 (e) §90.213	Frequency Stability Temperature & Voltage	Pass	See Note
4.2	§2.1053 §22.917 (a) §24.238 (a) §27.53 (c)(2) §27.53 (f) §27.53 (g) §27.53 (h) §90.691	Radiated Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26) (Band 66) (Band 71)	Pass	-
	§2.1053 §27.53 (m)(4)	Radiated Spurious Emission (Band 7) (Band 38) (Band 41)		
	§2.1053 §27.53 (a)(4)	Radiated Spurious Emission (Band 30)		
	§2.1053 §90.543 (e)(3) §90.543 (f)	Radiated Spurious Emission (Band 14)		

Remark:

- For host device, Radiated Spurious Emission, Effective Radiated Power and Equivalent Isotropic Radiated Power are verified and complies with the limit in this test report.
- As the RF design of this device is identical to that of FCC ID B94HNI65C4KLR, with the only variation being the CPU platform, RSE data reuse from FCC ID B94HNI65C4KLR is hereby requested.
Spot-check measurements presented in Appendix A and B of this report substantiate and justify the validity of the RSE data reuse for this device configuration.

**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: Sheng Kuo

Report Producer: Freda Wu

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 802.11a/ax/be, NFC and GNSS
Sample 1	Host with Vendor 1 Antenna
Sample 2	Host with Vendor 2 Antenna
Integrated WLAN Module	Brand Name: MediaTek Model Name: MT7925B14L FCC ID: RAS-MT7925B14L
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

Support band and evaluated information	
Supported band	B2, B4, B5, B7, B12, B13, B14, B17, B25, B26, B30, B38, B41, B66, B71
Evaluated and Tested band	B12, B13, B26, B30, B41, B66

TDD band Power Class		
	PC3	PC2
B38	V	-
B41	V	-

WWAN Antenna Information				
Antenna 5	Manufacturer	Vendor 1	Peak gain (dBi)	LTE Band 5: -1.86 LTE Band 12: 0.26 LTE Band 13: -0.13 LTE Band 14: -0.93 LTE Band 17: 0.26 LTE Band 26: -1.47 LTE Band 71: 0.09
	Part number	6036B0383901 (260-27594)	Type	PIFA
	Manufacturer	Vendor 2	Peak gain (dBi)	LTE Band 5: -3.54 LTE Band 12: -1.60 LTE Band 13: -1.73 LTE Band 14: -2.40 LTE Band 17: -1.60 LTE Band 26: -3.36 LTE Band 71: -2.56
	Part number	6036B0385001 (81EACC15.G29)	Type	PIFA
Antenna 8	Manufacturer	Vendor 1	Peak gain (dBi)	LTE Band 2: -2.21 LTE Band 4: -2.67 LTE Band 7: -3.98 LTE Band 25: -2.21 LTE Band 30: -5.28 LTE Band 38: -3.24 LTE Band 41: -2.93 LTE Band 66: -2.67
	Part number	6036B0383701 (260-27596)	Type	PIFA
	Manufacturer	Vendor 2	Peak gain (dBi)	LTE Band 2: -0.80 LTE Band 4: -1.29 LTE Band 7: 0.17 LTE Band 25: -0.80 LTE Band 30: -0.27 LTE Band 38: -0.34 LTE Band 41: 0.17 LTE Band 66: -0.69
	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 Location

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	Yuki Chen	
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.	
	03CH13-HY (TAF Code: 3786)	03CH23-HY (TAF Code: 3786)
Test Engineer	Rain Lee, Jacky Hung and White Hou	Leo Li, Karl Hou and Lucifer Jiang
Temperature (°C)	20.0~26.0	19.4~21.1
Relative Humidity (%)	40.0~65.0	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 Applicable Standards

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

- ♦ ANSI C63.26-2015
- ♦ FCC 47 CFR Part 2, 22(H), 24(E), 27, Part 90(R), Part 90(S)
- ♦ FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- ♦ 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.

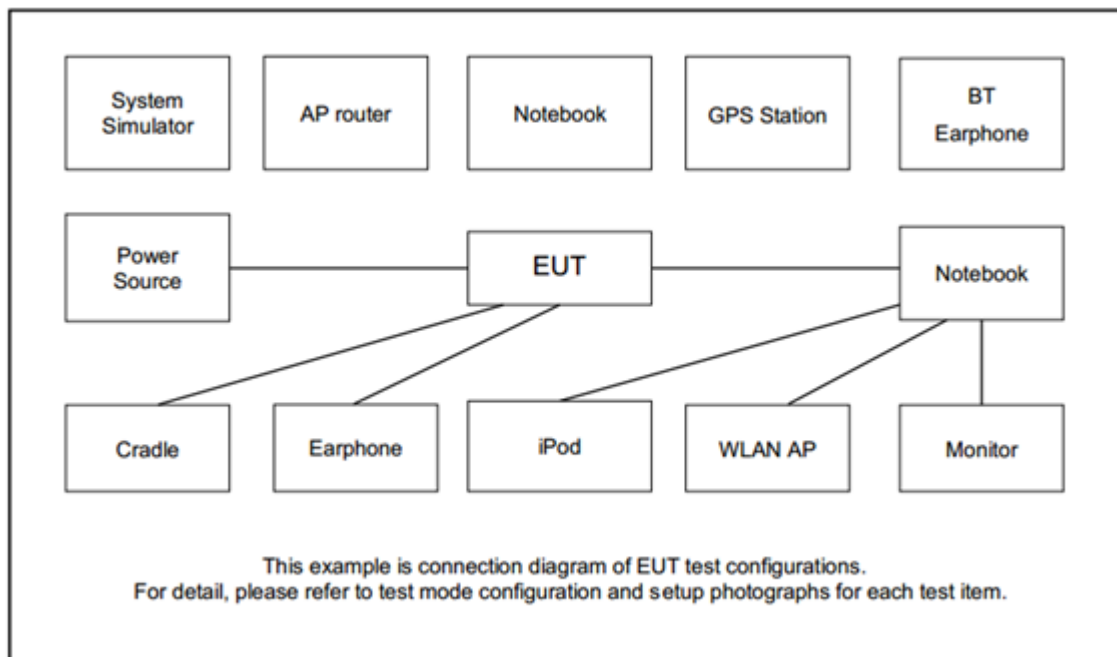
Modulation Type	Modulation
A	QPSK
B	16QAM
C	64QAM
D	256QAM

Test Item	Modulation Type	Bandwidth	RB Size	Channel
Conducted Power	A, B	All	1RB	L, M, H
ERP/EIRP	A, B	All	1RB	L, M, H
RSE	A	20 MHz or less	1RB	Remark 5

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.
5. Based on the evaluation of FCC ID B94HNI65C4KLR, verify the worst channel.

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.	Earphone	Google	G019A	N/A	Shielded, 1.0m	N/A
2.	Base Station	Anritsu	8821C	N/A	N/A	Unshielded, 1.8m
3.	Earphone	Apple	A1285	N/A	Shielded, 1.2m	N/A



2.4 Frequency List of Low/Middle/High Channels

LTE Band 12 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	23060	23095	23130
	Frequency	704	707.5	711
5	Channel	23035	23095	23155
	Frequency	701.5	707.5	713.5
3	Channel	23025	23095	23165
	Frequency	700.5	707.5	714.5
1.4	Channel	23017	23095	23173
	Frequency	699.7	707.5	715.3

LTE Band 13 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	23230	-
	Frequency	-	782	-
5	Channel	23205	23230	23255
	Frequency	779.5	782	784.5

LTE Band 14 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	23330	-
	Frequency	-	793	-
5	Channel	23305	23330	23355
	Frequency	790.5	793	795.5



LTE Band 26 Channel and Frequency List (Part22H)				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
15	Channel	26865	26915	26965
	Frequency	831.5	836.5	841.5
10	Channel	26840	26915	26990
	Frequency	829.0	836.5	844.0
5	Channel	26815	26915	27015
	Frequency	826.5	836.5	846.5
3	Channel	26805	26915	27025
	Frequency	825.5	836.5	847.5
1.4	Channel	26797	26915	27033
	Frequency	824.7	836.5	848.3

LTE Band 26 Channel and Frequency List (Part90 S)				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	26740	-
	Frequency	-	819	-
5	Channel	26715	26740	26765
	Frequency	816.5	819	821.5
3	Channel	26705	26740	26775
	Frequency	815.5	819	822.5
1.4	Channel	26697	26740	26783
	Frequency	814.7	819	823.3

LTE Band 26 Channel and Frequency List (Part90 S)				
BW [MHz]	Channel/Frequency(MHz)	cross-rule channels		
15	Channel	26765	26790	-
	Frequency	821.5	824	-
10	Channel	-	26790	-
	Frequency	-	824	-
5	Channel	-	26790	-
	Frequency	-	824	-
3	Channel	-	26790	-
	Frequency	-	824	-
1.4	Channel	-	26790	-
	Frequency	-	824	-



LTE Band 30 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	27710	-
	Frequency	-	2310	-
5	Channel	27685	27710	27735
	Frequency	2307.5	2310	2312.5

LTE Band 41 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	39750	40620	41490
	Frequency	2506.0	2593.0	2680.0
15	Channel	39725	40620	41515
	Frequency	2503.5	2593.0	2682.5
10	Channel	39700	40620	41540
	Frequency	2501.0	2593.0	2685.0
5	Channel	39675	40620	41565
	Frequency	2498.5	2593.0	2687.5

LTE Band 66 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	132072	132322	132572
	Frequency	1720	1745	1770
15	Channel	132047	132322	132597
	Frequency	1717.5	1745	1772.5
10	Channel	132022	132322	132622
	Frequency	1715	1745	1775
5	Channel	131997	132322	132647
	Frequency	1712.5	1745	1777.5
3	Channel	131987	132322	132657
	Frequency	1711.5	1745	1778.5
1.4	Channel	131979	132322	132665
	Frequency	1710.7	1745	1779.3

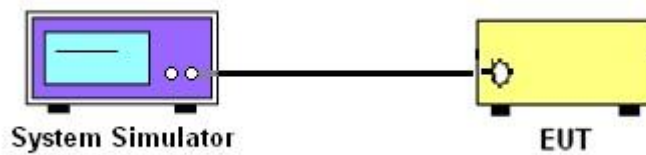
3 Conducted Test Items

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 and ERP/EIRP

3.2.1 Description of the Conducted Output Power Measurement and ERP/EIRP Measurement

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

The ERP of mobile transmitters must not exceed 7 Watts for LTE Band 5, Band 26 (Part 22H)

The output power of mobile transmitters must not exceed 100 Watts for LTE Band 26 (Part 90S)

The ERP of mobile transmitters must not exceed 3 Watts for LTE Band 12, Band 13, Band 14, Band 17, Band 71

The EIRP of mobile transmitters must not exceed 2 Watts for LTE Band 2, Band 25, Band 7, Band 38, Band 41

The EIRP of mobile transmitters must not exceed 1 Watts for LTE Band 4, Band 66

The EIRP of mobile transmitters must not exceed 250mW/5MHz for LTE Band 30

According to KDB 412172 D01 Power Approach,

$EIRP = P_T + G_T - L_C$, $ERP = EIRP - 2.15$, where

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

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

3.2.2 Test Procedures

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

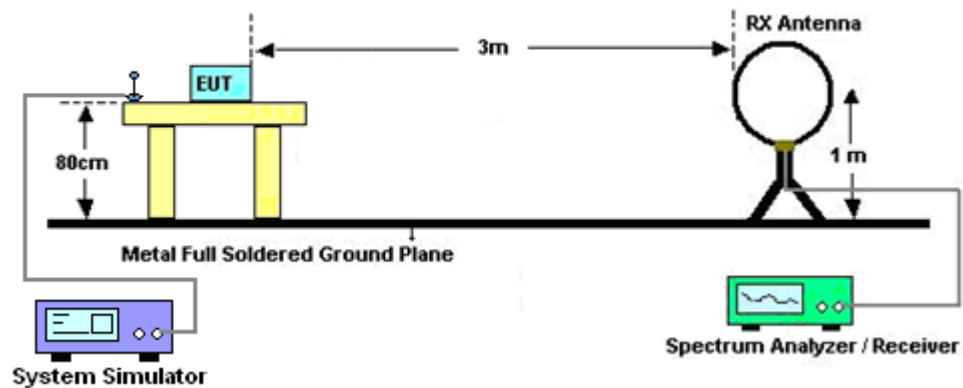
4 Radiated Test Items

4.1 Measuring Instruments

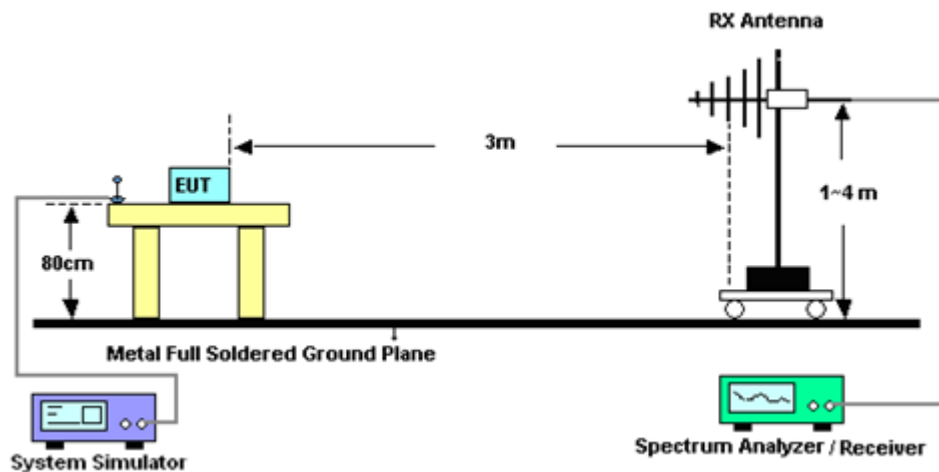
See list of measuring instruments of this test report.

4.1.1 Test Setup

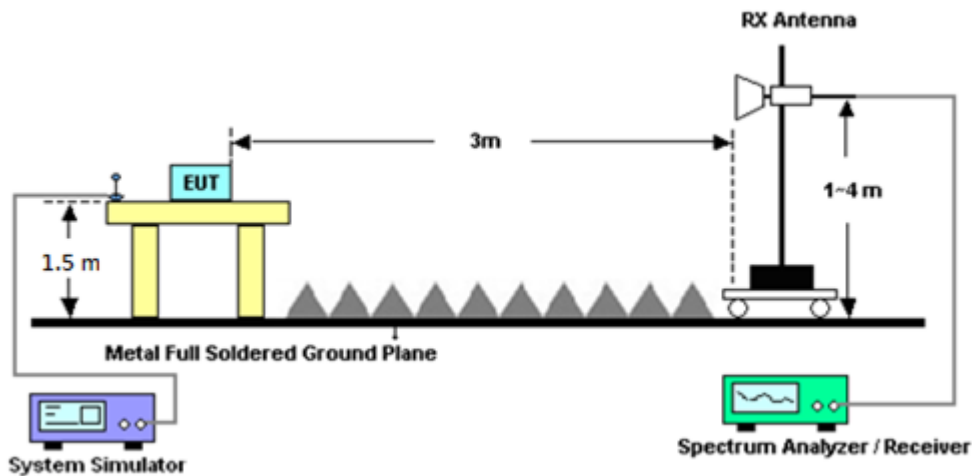
For radiated test below 30MHz



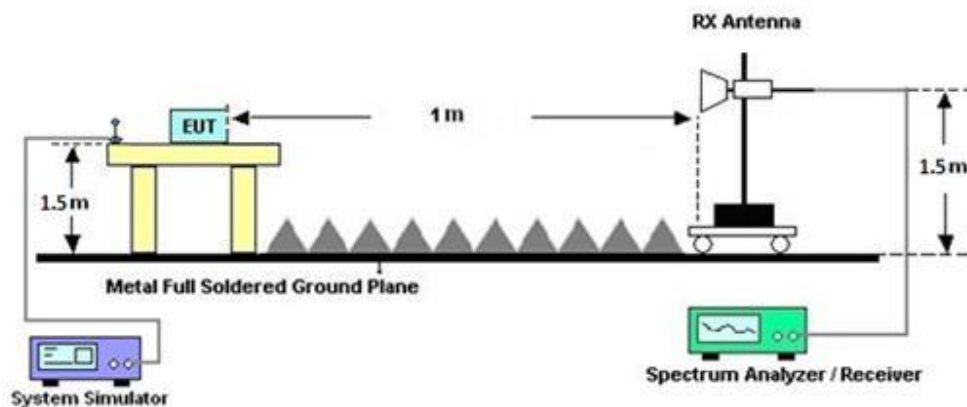
For radiated test from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



4.1.2 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.



4.2 Radiated Spurious Emission Measurement

4.2.1 Description of Radiated Spurious Emission Measurement

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 $43 + 10 \log (P)$ dB.

For LTE Band 7, 38, 41

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 $55 + 10 \log (P)$ dB.

For LTE Band 13

For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

For LTE Band 30

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 $70 + 10 \log (P)$ dB.

For LTE Band 14

For operations in the 758-775 MHz and 788-805 MHz bands, all emissions including harmonics in the band 1559–1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

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



4.2.2 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, which was 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 one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
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	Nov. 29, 2025~ Dec. 01, 2025	Dec. 17, 2025	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9K~30M	Mar. 05, 2025	Nov. 29, 2025~ Dec. 01, 2025	Mar. 04, 2026	Radiation (03CH13-HY)
Amplifier	SONOMA	310N	187282	9kHz~1GHz	Dec. 12, 2024	Nov. 29, 2025~ Dec. 01, 2025	Dec. 11, 2025	Radiation (03CH13-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	40103 & 07	30MHz~1GHz	Apr. 13, 2025	Nov. 29, 2025~ Dec. 01, 2025	Apr. 12, 2026	Radiation (03CH13-HY)
EXA Signal Analyzer	Keysight	N9010B	MY64320114	10Hz~44GHz	Oct. 07, 2025	Nov. 29, 2025~ Dec. 01, 2025	Oct. 06, 2026	Radiation (03CH13-HY)
Hygrometer	TECPEL	DTM-303A	TP215159	N/A	Sep. 08, 2025	Nov. 29, 2025~ Dec. 01, 2025	Sep. 07, 2026	Radiation (03CH13-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1590074	1GHz~18GHz	May 14, 2025	Nov. 29, 2025~ Dec. 01, 2025	May 13, 2026	Radiation (03CH13-HY)
Preamplifier	EM Electronics	EM01G18G	060803	1GHz-18GHz	Jan. 08, 2025	Nov. 29, 2025~ Dec. 01, 2025	Jan. 07, 2026	Radiation (03CH13-HY)
Double Ridged Guide Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-1326	1GHz~18GHz	Sep. 03, 2025	Nov. 29, 2025~ Dec. 01, 2025	Sep. 02, 2026	Radiation (03CH13-HY)
Notch Filter	Wainwright	WLK4-1000-15 30-8000-40SS	SN12	1.53GHz Low Pass Filter	Sep. 10, 2025	Nov. 29, 2025~ Dec. 01, 2025	Sep. 09, 2026	Radiation (03CH13-HY)
Notch Filter	Wainwright	WHKX12-2700 -3000-18000-6 0SS	SN2	3GHz High Pass Filter	Jul. 08, 2025	Nov. 29, 2025~ Dec. 01, 2025	Jul. 07, 2026	Radiation (03CH13-HY)
Notch Filter	Wainwright	WHKX12-900- 1000-15000-6 0SS	SN11	1GHz High Pass Filter	Mar. 12, 2025	Nov. 29, 2025~ Dec. 01, 2025	Mar. 11, 2026	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102E	508408-2E	N/A	Jun. 16, 2025	Nov. 29, 2025~ Dec. 01, 2025	Jun. 15, 2026	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0030/126E	30MHz~18GHz	Feb. 06, 2025	Nov. 29, 2025~ Dec. 01, 2025	Feb. 05, 2026	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24961/4	30MHz~18GHz	Feb. 06, 2025	Nov. 29, 2025~ Dec. 01, 2025	Feb. 05, 2026	Radiation (03CH13-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Nov. 29, 2025~ Dec. 01, 2025	N/A	Radiation (03CH13-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Nov. 29, 2025~ Dec. 01, 2025	N/A	Radiation (03CH13-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Nov. 29, 2025~ Dec. 01, 2025	N/A	Radiation (03CH13-HY)
Software	Audix	N/A	RK-001124	N/A	N/A	Nov. 29, 2025~ Dec. 01, 2025	N/A	Radiation (03CH13-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9170	00994	18GHz-40GHz	Jan. 09, 2025	Nov. 29, 2025~ Dec. 01, 2025	Jan. 08, 2026	Radiation (03CH13-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	May 26, 2025	Nov. 29, 2025~ Dec. 01, 2025	May 25, 2026	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804011/2,804 012/2	18GHz-40GHz	Dec. 31, 2024	Nov. 29, 2025~ Dec. 01, 2025	Dec. 30, 2025	Radiation (03CH13-HY)
Radio Communicatio n Analyzer	Anritsu	MT8821C	6262025353	LTE FDD/TDD LTE-2CC DLCA/ULCA	Oct. 08, 2025	Nov. 07, 2025	Oct. 07, 2026	Conducted (TH03-HY)
Coupler+10dB + Rf cable	Warison + WoKen + E-Instument	20dB 25W SMA Directional Coupler+ 10dB 18GHz_5W+S FL405_1.5M	#A+#1+#1+# 7	1-18GHz	Jan. 03, 2025	Nov. 07, 2025	Jan. 02, 2026	Conducted (TH03-HY)
Software	Sporton	LTE Conducted Test Tools	N/A	Conducted Test Item	N/A	Nov. 07, 2025	N/A	Conducted (TH03-HY)
Hygrometer	TECPEL	DTM-303B	TP200886	-10 ~ 50°C / 20 ~ 95%RH	Mar. 03, 2025	Nov. 07, 2025	Mar. 02, 2026	Conducted (TH03-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2E	100315	9 kHz~30 MHz	Mar. 06, 2025	Dec. 18, 2025~ Dec. 19, 2025	Mar. 05, 2026	Radiation (03CH23-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00802N1D01N -06	47020 & 06	30MHz~1GHz	Oct. 04, 2025	Dec. 18, 2025~ Dec. 19, 2025	Oct. 03, 2026	Radiation (03CH23-HY)
Amplifier	SONOMA	310N	421582	9kHz~1GHz	Jul. 13, 2025	Dec. 18, 2025~ Dec. 19, 2025	Jul. 12, 2026	Radiation (03CH23-HY)
Amplifier	EMEC	EM01G18GA	060878	1GHz~18GHz	Sep. 26, 2025	Dec. 18, 2025~ Dec. 19, 2025	Sep. 25, 2026	Radiation (03CH23-HY)
Double Ridged Guide Horn Antenna	RFSPIN	DRH18-E	LE2C05A18E N	1GHz~18GHz	Jul. 02, 2025	Dec. 18, 2025~ Dec. 19, 2025	Jul. 01, 2026	Radiation (03CH23-HY)
Signal Analyzer	Keysight	N9010B	MY62170337	10Hz~44GHz	Aug. 26, 2025	Dec. 18, 2025~ Dec. 19, 2025	Aug. 25, 2026	Radiation (03CH23-HY)
Hygrometer	TECPEL	DTM-303A	TP210001	N/A	Nov. 06, 2025	Dec. 18, 2025~ Dec. 19, 2025	Nov. 05, 2026	Radiation (03CH23-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Dec. 18, 2025~ Dec. 19, 2025	N/A	Radiation (03CH23-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Dec. 18, 2025~ Dec. 19, 2025	N/A	Radiation (03CH23-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Dec. 18, 2025~ Dec. 19, 2025	N/A	Radiation (03CH23-HY)
Software	Audix	E3 6.09824_2019 122	RK-002348	N/A	N/A	Dec. 18, 2025~ Dec. 19, 2025	N/A	Radiation (03CH23-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804395/2	30MHz~40GHz	Nov. 26, 2024	Dec. 18, 2025~ Dec. 19, 2025	Nov. 25, 2025	Radiation (03CH23-HY)
RF Cable	EMC	EMC101Y	231115/2311 19/231122	30MHz~40GHz	Nov. 26, 2024	Dec. 18, 2025~ Dec. 19, 2025	Nov. 25, 2025	Radiation (03CH23-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804395/2	30MHz~40GHz	Nov. 25, 2025	Dec. 18, 2025~ Dec. 19, 2025	Nov. 24, 2026	Radiation (03CH23-HY)
RF Cable	EMC	EMC101Y	231115/2311 19/231122	30MHz~40GHz	Nov. 25, 2025	Dec. 18, 2025~ Dec. 19, 2025	Nov. 24, 2026	Radiation (03CH23-HY)

6 Measurement Uncertainty

<03CH13-HY>

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% ($U = 2Uc(y)$)	4.60 dB
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Uncertainty of Radiated Emission Measurement (6 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.60 dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.20 dB
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<03CH23-HY>

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 ERI/EIRP)

LTE Band 12 Maximum Average Power [dBm] (GT - LC = 0.26 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	22.82	22.79	22.85	20.96	0.1247
10	1	0	16-QAM	22.05	22.05	22.14	20.25	0.1059
Limit	ERP < 3W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = 0.26 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	22.72	22.68	22.75	20.86	0.1219
5	1	0	16-QAM	21.92	21.94	22.02	20.13	0.1030
Limit	ERP < 3W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = 0.26 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	22.68	22.64	22.75	20.86	0.1219
3	1	0	16-QAM	21.95	21.95	22.04	20.15	0.1035
Limit	ERP < 3W			Result			Pass	

LTE Band 12 Maximum Average Power [dBm] (GT - LC = 0.26 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	22.71	22.64	22.75	20.86	0.1219
1.4	1	0	16-QAM	21.91	21.92	21.99	20.10	0.1023
Limit	ERP < 3W			Result			Pass	

LTE Band 13 Maximum Average Power [dBm] (GT - LC = -0.13 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	-	22.90	-	20.62	0.1153
10	1	0	16-QAM	-	22.11	-	19.83	0.0962
Limit	ERP < 3W			Result			Pass	

LTE Band 13 Maximum Average Power [dBm] (GT - LC = -0.13 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	22.85	22.88	22.87	20.60	0.1148
5	1	0	16-QAM	22.04	22.12	22.06	19.84	0.0964
Limit	ERP < 3W			Result			Pass	

Part22H LTE Band 26 Maximum Average Power [dBm] (GT - LC = -1.47 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	22.47	22.58	22.49	18.96	0.0787
15	1	0	16-QAM	21.64	21.60	21.67	18.05	0.0638
Limit	ERP < 7W			Result			Pass	

Part22H LTE Band 26 Maximum Average Power [dBm] (GT - LC = -1.47 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	MidGPe	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	22.22	22.28	22.39	18.77	0.0753
10	1	0	16-QAM	21.49	21.51	21.55	17.93	0.0621
Limit	ERP < 7W			Result			Pass	

Part22H LTE Band 26 Maximum Average Power [dBm] (GT - LC = -1.47 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	MidGPe	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	22.31	22.28	22.39	18.77	0.0753
5	1	0	16-QAM	21.56	21.48	21.54	17.94	0.0622
Limit	ERP < 7W			Result			Pass	

Part22H LTE Band 26 Maximum Average Power [dBm] (GT - LC = -1.47 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	MidGPe	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	22.28	22.32	22.34	18.72	0.0745
3	1	0	16-QAM	21.52	21.56	21.52	17.94	0.0622
Limit	ERP < 7W			Result			Pass	

Part22H LTE Band 26 Maximum Average Power [dBm] (GT - LC = -1.47 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	MidGPe	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	22.36	22.34	22.36	18.74	0.0748
1.4	1	0	16-QAM	21.46	21.46	21.55	17.93	0.0621
Limit	ERP < 7W			Result			Pass	

Part90S LTE Band 26 Maximum Average Power [dBm] (GT - LC = -1.47 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	22.43	-	-	18.81	0.0760
15	1	0	16-QAM	21.60	-	-	17.98	0.0628
Limit	ERP < 100W			Result			Pass	

Part90S LTE Band 26 Maximum Average Power [dBm] (GT - LC = -1.47 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	-	22.33	-	18.71	0.0743
10	1	0	16-QAM	-	21.50	-	17.88	0.0614
Limit	ERP < 100W			Result			Pass	

Part90S LTE Band 26 Maximum Average Power [dBm] (GT - LC = -1.47 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	22.31	22.31	22.37	18.75	0.0750
5	1	0	16-QAM	21.49	21.43	21.51	17.89	0.0615
Limit	ERP < 100W			Result			Pass	

Part90S LTE Band 26 Maximum Average Power [dBm] (GT - LC = -1.47 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	22.32	22.37	22.25	18.75	0.0750
3	1	0	16-QAM	21.49	21.44	21.51	17.89	0.0615
Limit	ERP < 100W			Result			Pass	

Part90S LTE Band 26 Maximum Average Power [dBm] (GT - LC = -1.47 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	22.33	22.26	22.30	18.71	0.0743
1.4	1	0	16-QAM	21.49	21.39	21.39	17.87	0.0612
Limit	ERP < 100W			Result			Pass	

LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = -1.47 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	-	22.35	-	20.20	0.1047
15	1	0	16-QAM	-	21.56	-	19.41	0.0873
Limit	ERP < 7W			Result			Pass	

LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = -1.47 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	-	22.28	-	20.13	0.1030
10	1	0	16-QAM	-	21.43	-	19.28	0.0847
Limit	ERP < 7W			Result			Pass	

LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = -1.47 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
5	1	0	QPSK	-	22.35	-	20.20	0.1047
5	1	0	16-QAM	-	21.50	-	19.35	0.0861
Limit	ERP < 7W			Result			Pass	

LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = -1.47 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	-	22.34	-	20.19	0.1045
3	1	0	16-QAM	-	21.39	-	19.24	0.0839
Limit	ERP < 7W			Result			Pass	

LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = -1.47 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	-	22.35	-	20.20	0.1047
1.4	1	0	16-QAM	-	21.57	-	19.42	0.0875
Limit	ERP < 7W			Result			Pass	

LTE Band 30 Maximum Average Power [dBm] (GT - LC = -0.27 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	-	22.31	-	22.04	0.1600
10	1	0	16-QAM	-	21.55	-	21.28	0.1343
Limit	EIRP < 250mW/5MHz			Result			Pass	

Total EIRP power is less than partial EIRP limit 250 mW/5MHz.

LTE Band 30 Maximum Average Power [dBm] (GT - LC = -0.27 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	22.30	22.28	22.23	22.03	0.1596
5	1	0	16-QAM	21.56	21.54	21.45	21.29	0.1346
Limit	EIRP < 250mW/5MHz			Result			Pass	

Total EIRP power is less than partial EIRP limit 250 mW/5MHz.

LTE Band 41 PC3 Maximum Average Power [dBm] (GT - LC = 0.17 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	22.56	22.39	22.29	22.73	0.1875
20	1	0	16-QAM	21.73	21.50	21.38	21.90	0.1549
Limit	EIRP < 2W			Result			Pass	

LTE Band 41 PC3 Maximum Average Power [dBm] (GT - LC = 0.17 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	22.51	22.41	22.23	22.68	0.1854
15	1	0	16-QAM	21.70	21.52	21.37	21.87	0.1538
Limit	EIRP < 2W			Result			Pass	

LTE Band 41 PC3 Maximum Average Power [dBm] (GT - LC = 0.17 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	22.55	22.39	22.18	22.72	0.1871
10	1	0	16-QAM	21.76	21.53	21.41	21.93	0.1560
Limit	EIRP < 2W			Result			Pass	

LTE Band 41 PC3 Maximum Average Power [dBm] (GT - LC = 0.17 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	22.55	22.35	22.23	22.72	0.1871
5	1	0	16-QAM	21.70	21.52	21.42	21.87	0.1538
Limit	EIRP < 2W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = -0.67 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	23.08	22.73	22.60	22.41	0.1742
20	1	0	16-QAM	22.28	21.92	21.75	21.61	0.1449
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = -0.67 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
15	1	0	QPSK	23.03	22.84	22.58	22.36	0.1722
15	1	0	16-QAM	22.34	22.01	21.76	21.67	0.1469
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = -0.67 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
10	1	0	QPSK	22.91	22.71	22.53	22.24	0.1675
10	1	0	16-QAM	22.49	22.24	22.01	21.82	0.1521
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = -0.67 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	22.84	22.59	22.41	22.17	0.1648
5	1	0	16-QAM	22.29	22.13	21.88	21.62	0.1452
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = -0.67 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3	1	0	QPSK	22.84	22.62	22.44	22.17	0.1648
3	1	0	16-QAM	22.37	22.15	21.93	21.70	0.1479
Limit	EIRP < 1W			Result			Pass	

LTE Band 66 Maximum Average Power [dBm] (GT - LC = -0.67 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
1.4	1	0	QPSK	22.93	22.70	22.50	22.26	0.1683
1.4	1	0	16-QAM	22.49	22.19	21.88	21.82	0.1521
Limit	EIRP < 1W			Result			Pass	



Appendix B. Radiated Spurious Emission Test Data

<Sample 1>

B1-1. Summary of each worse mode

Mode	Band	Part	Ch	Freq (MHz)	Level (dBm)	Det	Ant Factor (dB)	AmplCbl (dB)	Filter (dB)	EIRPCF (dB)	Reading (dBuV)	Limit (dBm)	Margin (dB)	Pol	Ant
1	LTE B13	Part 27F	M	1560	-62.74	RMS	25.10	-31.71	0.47	-95.23	38.63	-42.15	-20.59	V	Ant 5
12	LTE B26	Part 90S	M	3269	-59.58	RMS	29.66	-29.17	0.18	-95.23	34.98	-13.00	-46.58	V	Ant 5

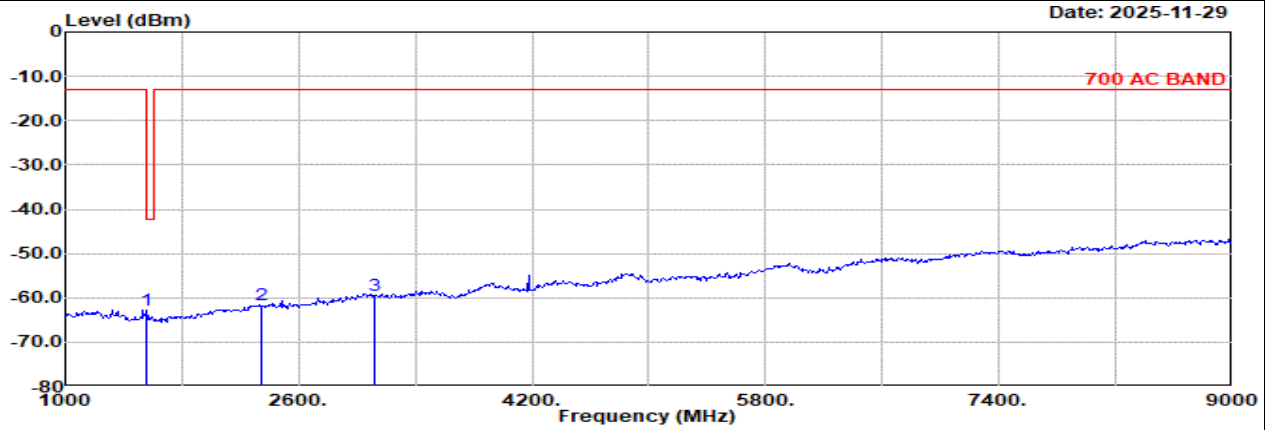


Ant. 5

Part 27F Mode 1

LTE B13 5M Ch23230 1RB0 QPSK

M



Site : 03CH13-HY

Condition: 700 AC BAND 3m HORN_9120D_1326 Vertical

: LTE Band 13 5M Ch23230 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb 1	Filter	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1560.00	-62.74	RMS	25.10	-31.71	0.47	-95.23	38.63	-42.15	-20.59	Vertical
2	2340.00	-61.63	RMS	27.20	-30.49	0.28	-95.23	36.61	-13.00	-48.63	Vertical
3	3119.00	-59.38	RMS	29.68	-29.37	0.11	-95.23	35.43	-13.00	-46.38	Vertical

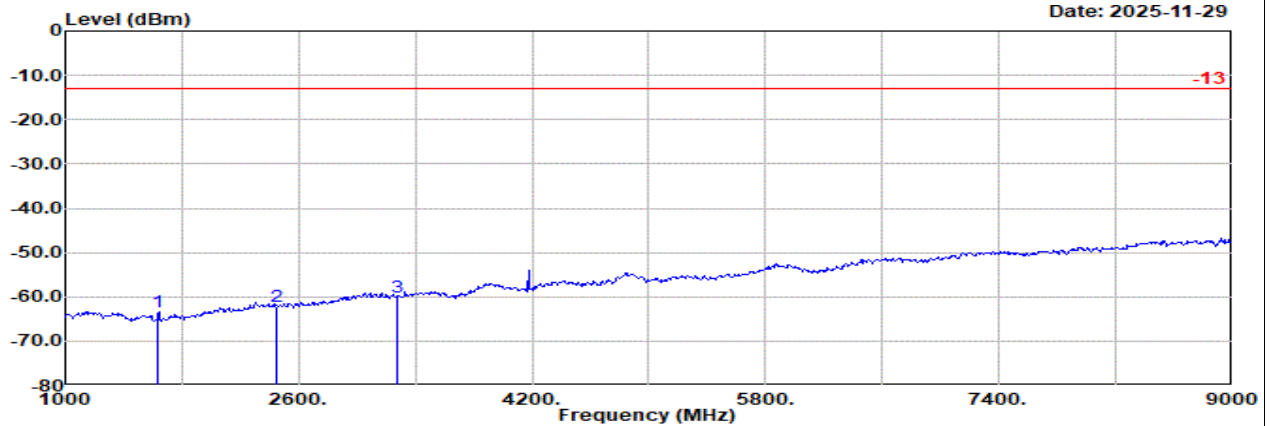


Ant. 5

Part 90S Mode 12

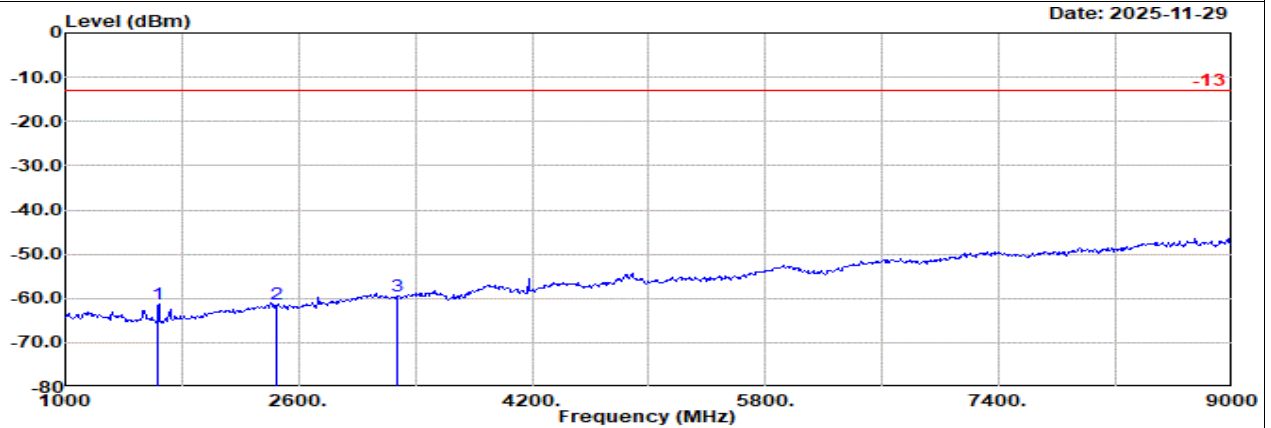
LTE B26 15M Ch26790 1RB0 QPSK

M



Site : 03CH13-HY
Condition: -13 3m HORN_9120D_1326 Horizontal
: LTE Band 26 15M Ch26790 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	1635.00	-63.34	RMS	25.15	-31.58	0.41	-95.23	37.91	-13.00	-50.34			Horizontal
2	2452.00	-62.25	RMS	27.52	-30.32	0.23	-95.23	35.55	-13.00	-49.25			Horizontal
3	3269.00	-59.97	RMS	29.66	-29.17	0.18	-95.23	34.59	-13.00	-46.97			Horizontal



Site : 03CH13-HY
Condition: -13 3m HORN_9120D_1326 Vertical
: LTE Band 26 15M Ch26790 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	1635.00	-61.32	RMS	25.15	-31.58	0.41	-95.23	39.93	-13.00	-48.32			Vertical
2	2452.00	-61.20	RMS	27.52	-30.32	0.23	-95.23	36.60	-13.00	-48.20			Vertical
3	3269.00	-59.58	RMS	29.66	-29.17	0.18	-95.23	34.98	-13.00	-46.58			Vertical

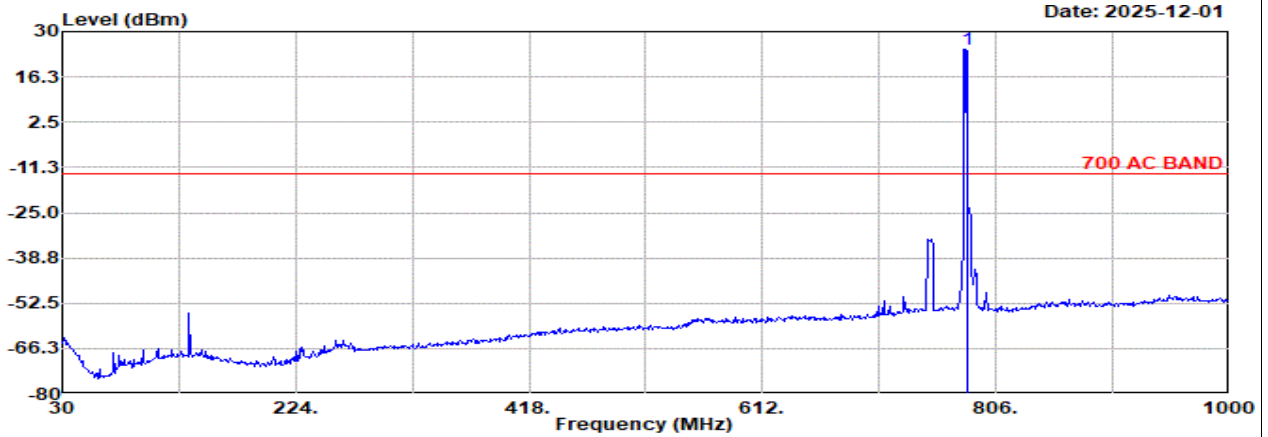


Ant. 5

Part 27F Mode 1

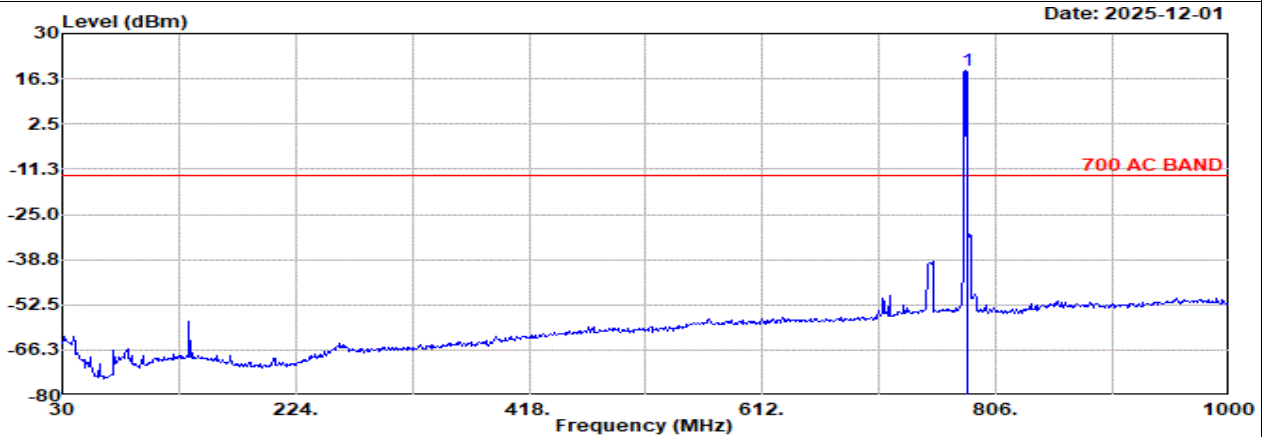
LTE B13 5M Ch23230 1RB0 QPSK

M



Site : 03CH13-HY
Condition: 700 AC BAND 3m BILOG_40103 Horizontal
: LTE Band 13 5M Ch23230 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	782.00	24.64	RMS	28.13	3.70	0.00	-95.23	88.04	-13.00	37.64 Horizontal



Site : 03CH13-HY
Condition: 700 AC BAND 3m BILOG_40103 Vertical
: LTE Band 13 5M Ch23230 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	782.00	18.97	RMS	28.13	3.70	0.00	-95.23	82.37	-13.00	31.97 Vertical

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

**<Sample 1>****B2-1. 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
2	LTE B26	Part 22H	H	2518	-54.85	RMS	27.08	-24.57	1.37	-95.23	36.50	-13.00	-41.85	V	5
8	LTE B12	Part 27H	L	1404	-57.13	RMS	24.50	-25.74	1.55	-95.23	37.79	-13.00	-44.13	V	5

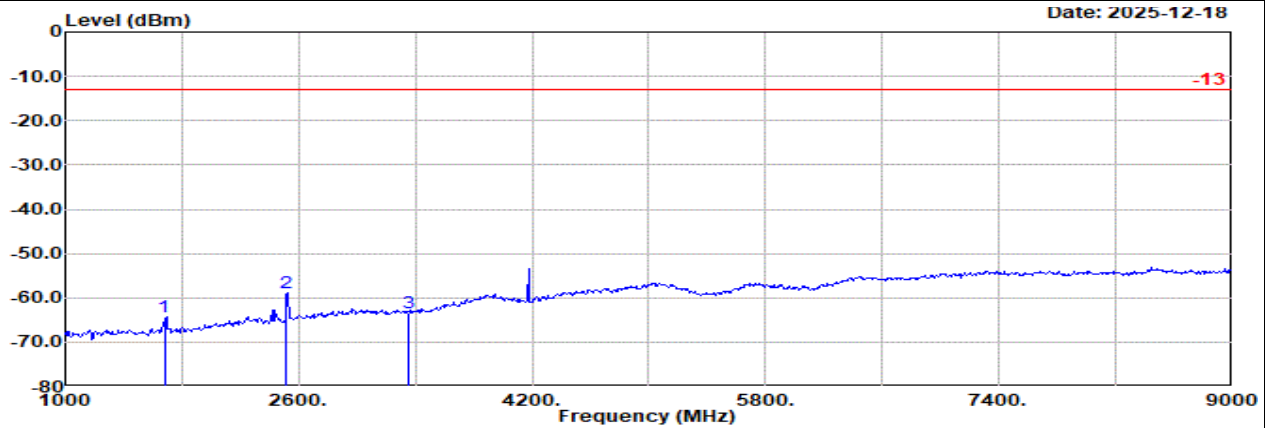


Ant. 5

Part 22H Mode 2

LTE B26 10M Ch26990 1RB0 QPSK

H

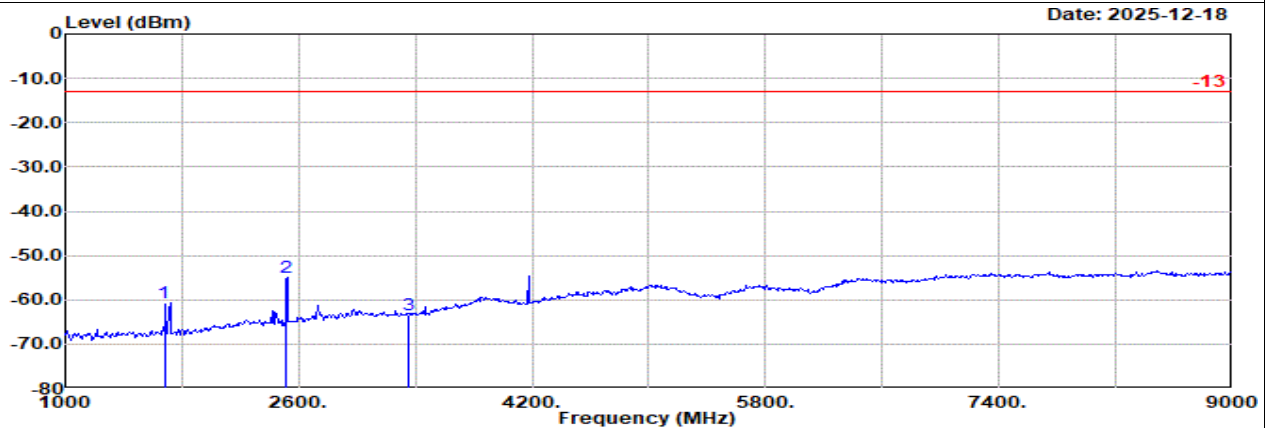


Site : 03CH23-HY

Condition: -13 3m DRH18-E_LE2C05A18EN_250702 Horizontal

: LTE Band 26 10M Ch26990 1RB0 QPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	Amp\Cb						
	MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	1679.00	-64.22	RMS	25.09	-25.25	1.29	-95.23	29.88	-13.00	-51.22	Horizontal
2	2518.00	-58.80	RMS	27.08	-24.57	1.37	-95.23	32.55	-13.00	-45.80	Horizontal
3	3358.00	-63.42	RMS	28.33	-23.89	1.43	-95.23	25.94	-13.00	-50.42	Horizontal



Site : 03CH23-HY

Condition: -13 3m DRH18-E_LE2C05A18EN_250702 Vertical

: LTE Band 26 10M Ch26990 1RB0 QPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	Amp\Cb						
	MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	1679.00	-60.83	RMS	25.09	-25.25	1.29	-95.23	33.27	-13.00	-47.83	Vertical
2	2518.00	-54.85	RMS	27.08	-24.57	1.37	-95.23	36.50	-13.00	-41.85	Vertical
3	3358.00	-63.25	RMS	28.33	-23.89	1.43	-95.23	26.11	-13.00	-50.25	Vertical

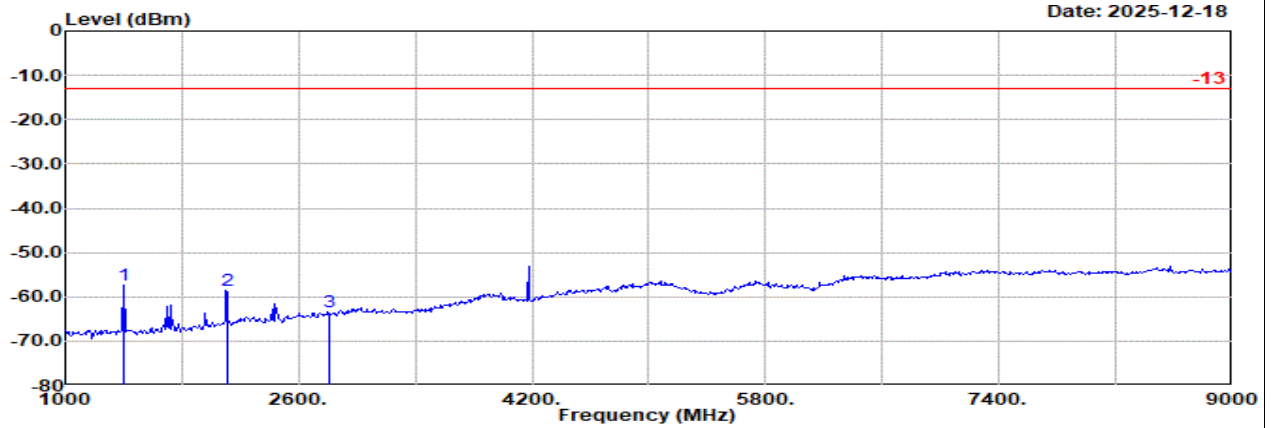


Ant. 5

Part 27H Mode 8

LTE B12 10M Ch23060 1RB0 QPSK

L

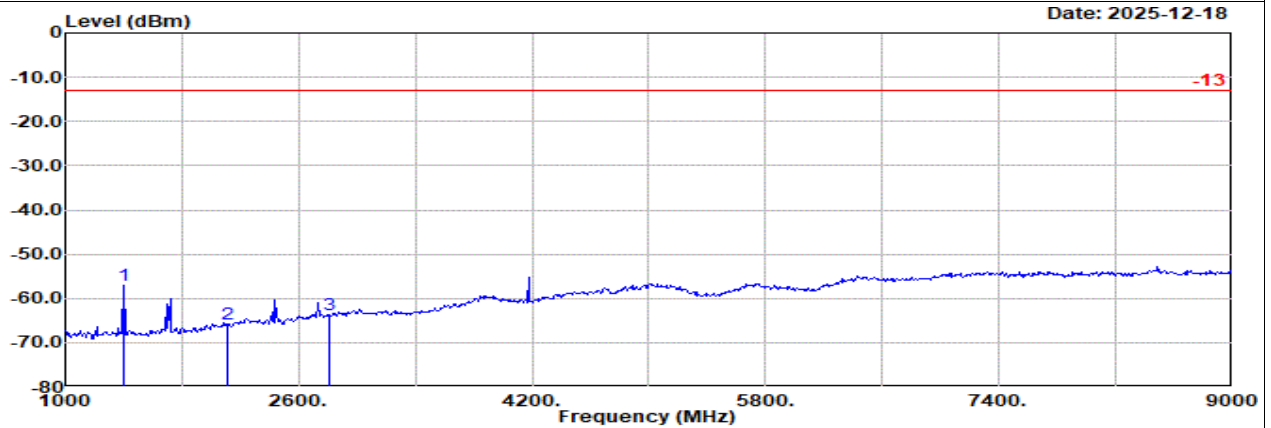


Site : 03CH23-HY

Condition: -13 3m DRH18-E_LE2C05A18EN_250702 Horizontal

: LTE Band 12 10M Ch23060 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF		Readin	Limit	Margin		Pol
				Factor	1		dB	dB					
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB		
1	1404.00	-57.36	RMS		24.50	-25.74	1.55	-95.23	37.56	-13.00	-44.36		Horizontal
2	2106.00	-58.56	RMS		26.36	-24.87	1.23	-95.23	33.95	-13.00	-45.56		Horizontal
3	2807.00	-63.47	RMS		28.00	-24.14	1.40	-95.23	26.50	-13.00	-50.47		Horizontal



Site : 03CH23-HY

Condition: -13 3m DRH18-E_LE2C05A18EN_250702 Vertical

: LTE Band 12 10M Ch23060 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF		Readin	Limit	Margin		Pol
				Factor	1		dB	dB					
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB		
1	1404.00	-57.13	RMS		24.50	-25.74	1.55	-95.23	37.79	-13.00	-44.13		Vertical
2	2106.00	-65.73	RMS		26.36	-24.87	1.23	-95.23	26.78	-13.00	-52.73		Vertical
3	2807.00	-63.62	RMS		28.00	-24.14	1.40	-95.23	26.35	-13.00	-50.62		Vertical

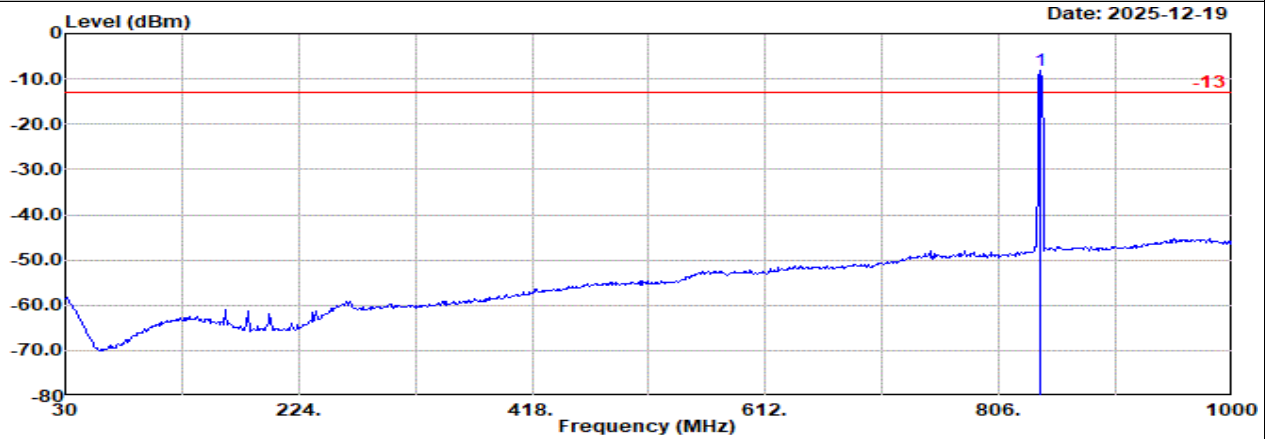


Ant. 5

Part 22H Mode 2

LTE B26 10M Ch26990 1RB0 QPSK

H



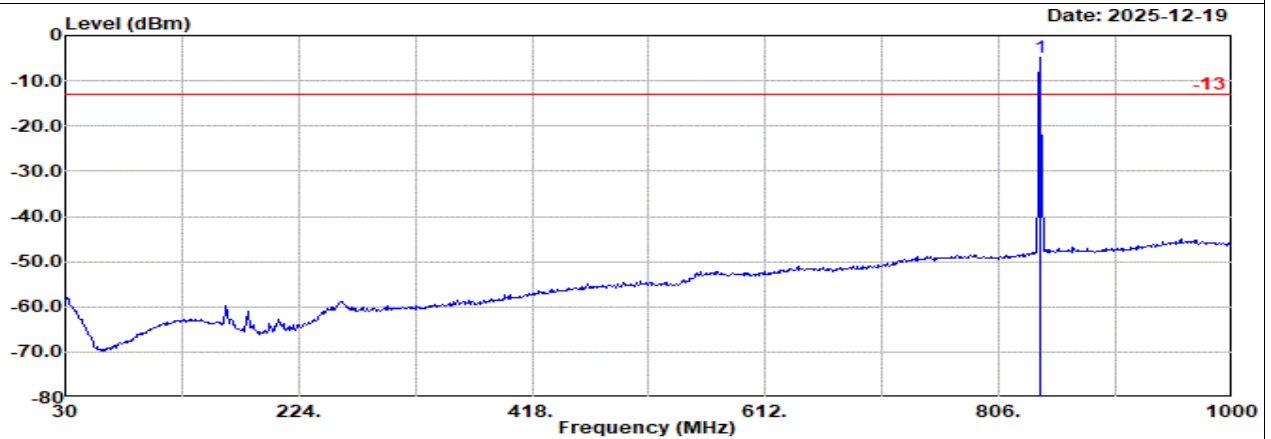
Site : 03CH23-HY

Condition: -13 3m CBL6111D&00802N1D01N-06 _47020 & 06_251004 Horizontal

: LTE B26 10M Ch26990 1RB0 QPSK QPSK

: #1 is fundamental signal which can be ignored.

	Freq Level		Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
	MHz	dBm		Factor	1		g			
1	839.95	-8.01	RMS	28.29	4.20	0.00	-95.23	54.73	-13.00	4.99 Horizontal



Site : 03CH23-HY

Condition: -13 3m CBL6111D&00802N1D01N-06 _47020 & 06_251004 Vertical

: LTE B26 10M Ch26990 1RB0 QPSK QPSK

: #1 is fundamental signal which can be ignored.

	Freq Level		Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
	MHz	dBm		Factor	1		g			
1	839.95	-4.92	RMS	28.29	4.20	0.00	-95.23	57.82	-13.00	8.08 Vertical

**<Sample 2>****B3-1. Summary of each worse mode**

Mode	Band	Part	Ch	Freq (MHz)	Level (dBm)	Det	Ant Factor (dB)	AmplCbl (dB)	Filter (dB)	EIRPCF (dB)	Reading (dBuV)	Limit (dBm)	Margin (dB)	Pol	Ant
5	LTE B41	Part 27M	H	10684	-56.55	RMS	39.10	-41.43	0.58	-95.23	40.43	-25.00	-31.55	H	Ant 8
7	LTE B30	Part 27D	M	4611	-53.48	RMS	31.74	-49.34	0.70	-95.23	58.65	-40.00	-13.48	V	Ant 8

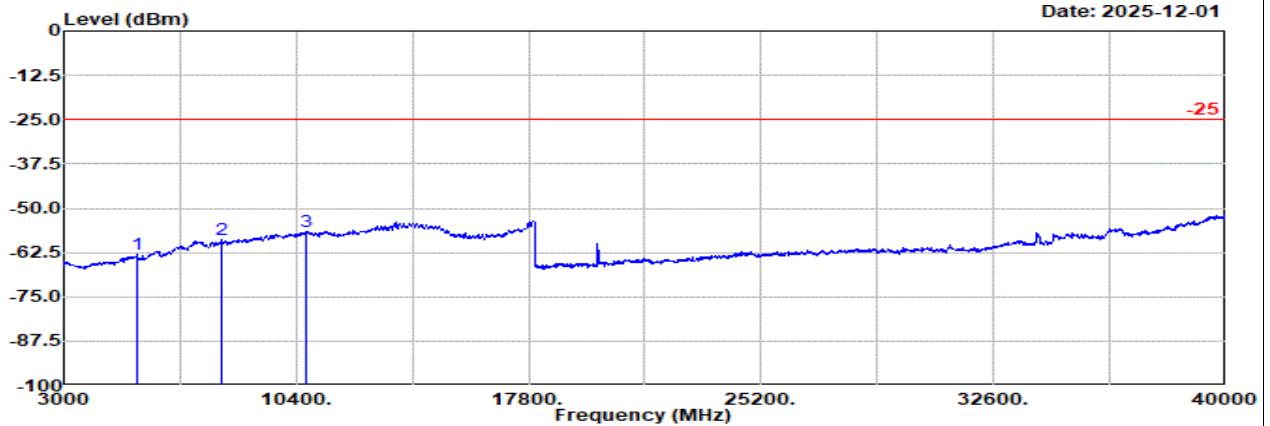


Ant. 8

Part 27M Mode 5

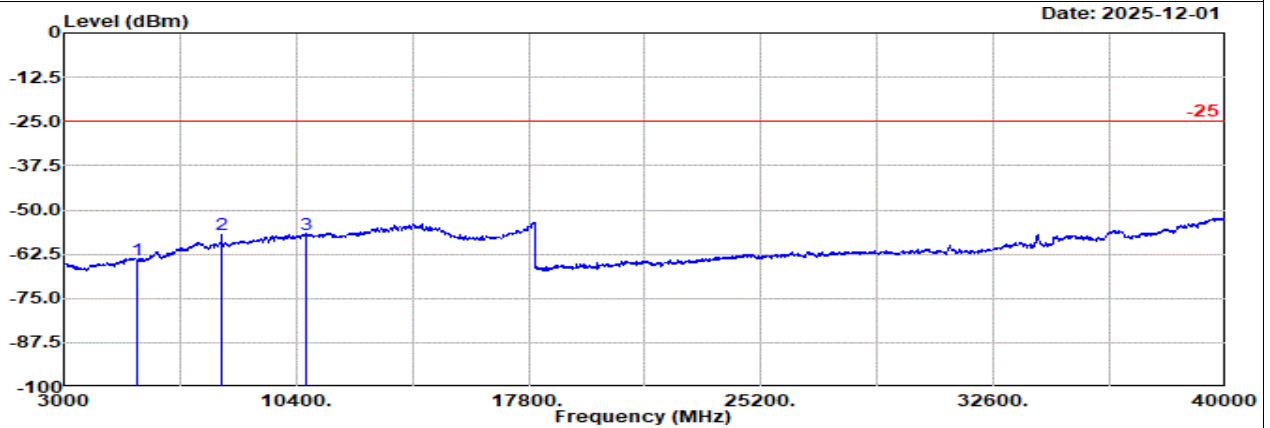
LTE B41 20M Ch41490 1RB0 QPSK

H



Site : 03CH13-HY
Condition: -25 1m SHF_00994 Horizontal
: LTE Band 41 20M Ch41490 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin		Pol
				Factor	1							
	MHz	dBm										
1	5342.00	-63.16	RMS	32.90	-46.78	0.61	-95.23	45.34	-25.00	-38.16		Horizontal
2	8013.00	-58.87	RMS	36.77	-44.55	0.58	-95.23	43.56	-25.00	-33.87		Horizontal
3	10684.00	-56.55	RMS	39.10	-41.43	0.58	-95.23	40.43	-25.00	-31.55		Horizontal



Site : 03CH13-HY
Condition: -25 1m SHF_00994 Vertical
: LTE Band 41 20M Ch41490 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin		Pol
				Factor	1							
	MHz	dBm										
1	5342.00	-64.12	RMS	32.90	-46.78	0.61	-95.23	44.38	-25.00	-39.12		Vertical
2	8013.00	-57.07	RMS	36.77	-44.55	0.58	-95.23	45.36	-25.00	-32.07		Vertical
3	10684.00	-56.89	RMS	39.10	-41.43	0.58	-95.23	40.09	-25.00	-31.89		Vertical

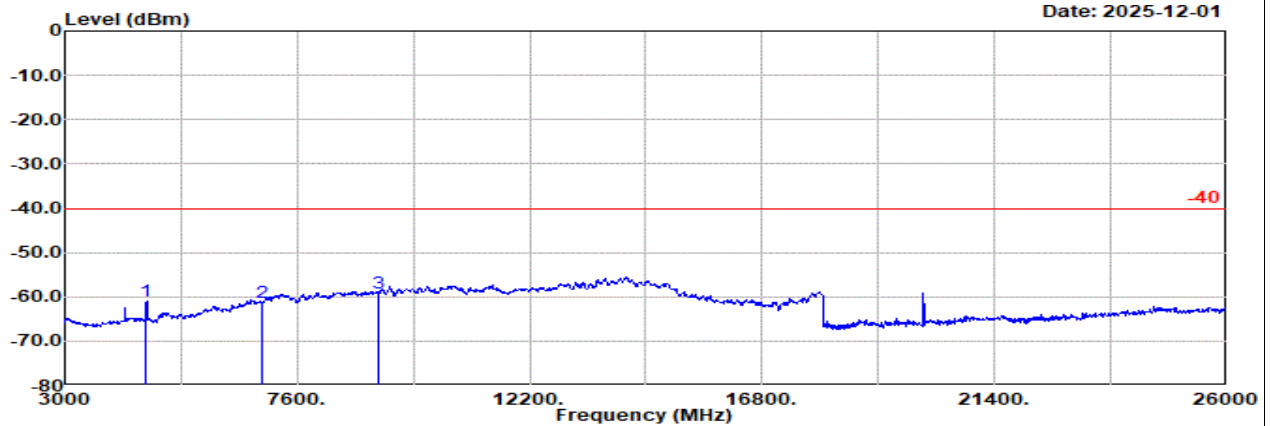


Ant. 8

Part 27D Mode 7

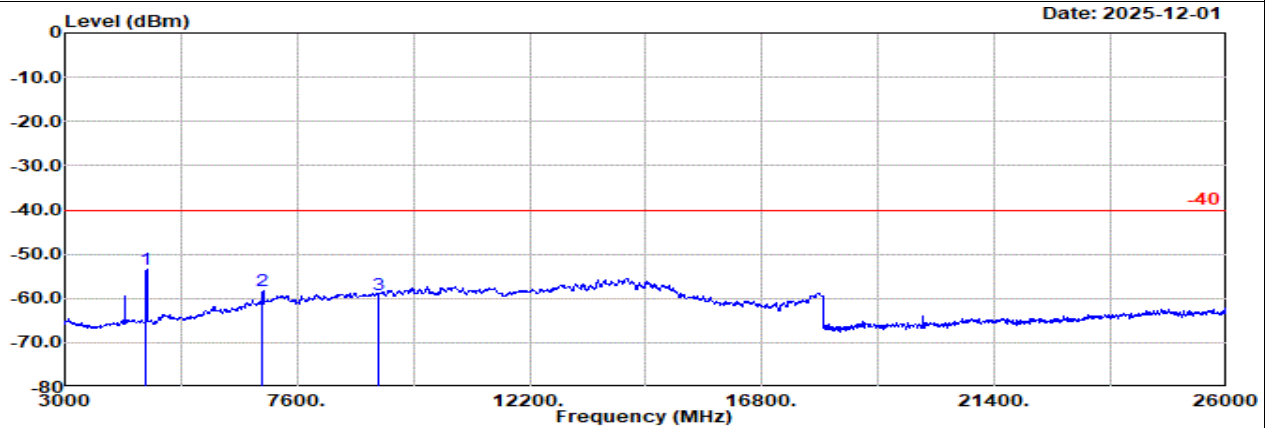
LTE B30 10M Ch27710 1RB0 QPSK

M



Site : 03CH13-HY
Condition: -40 1m SHF_00994 Horizontal
: LTE Band 30 10M Ch27710 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin		Pol
				Factor	1							
	MHz	dBm										
1	4611.00	-60.92	RMS	31.74	-49.34	0.70	-95.23	51.21	-40.00	-20.92		Horizontal
2	6917.00	-61.14	RMS	35.73	-45.29	0.58	-95.23	43.07	-40.00	-21.14		Horizontal
3	9222.00	-59.14	RMS	37.84	-43.01	0.64	-95.23	40.62	-40.00	-19.14		Horizontal



Site : 03CH13-HY
Condition: -40 1m SHF_00994 Vertical
: LTE Band 30 10M Ch27710 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin		Pol
				Factor	1							
	MHz	dBm										
1	4611.00	-53.48	RMS	31.74	-49.34	0.70	-95.23	58.65	-40.00	-13.48		Vertical
2	6917.00	-58.13	RMS	35.73	-45.29	0.58	-95.23	46.08	-40.00	-18.13		Vertical
3	9222.00	-59.05	RMS	37.84	-43.01	0.64	-95.23	40.71	-40.00	-19.05		Vertical

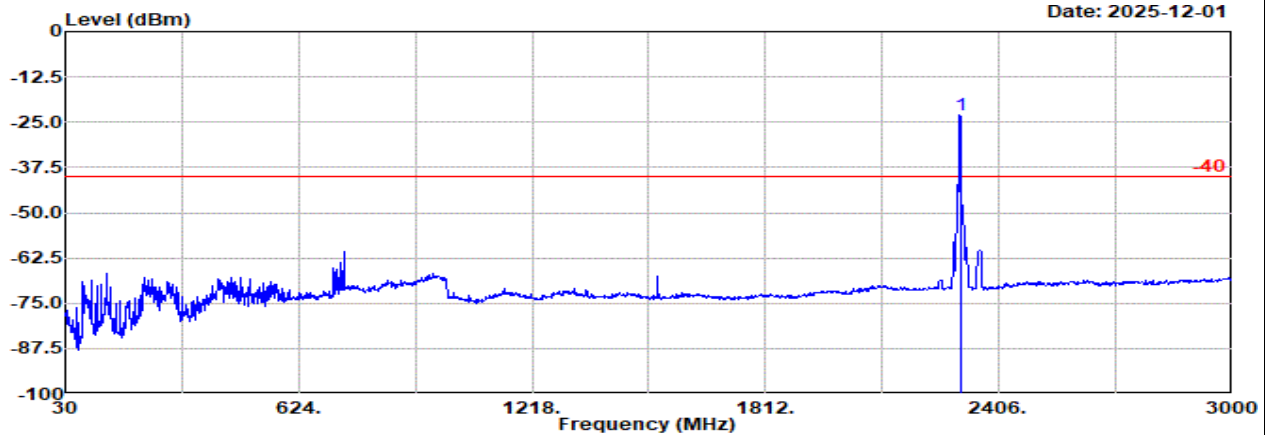


Ant. 8

Part 27D Mode 7

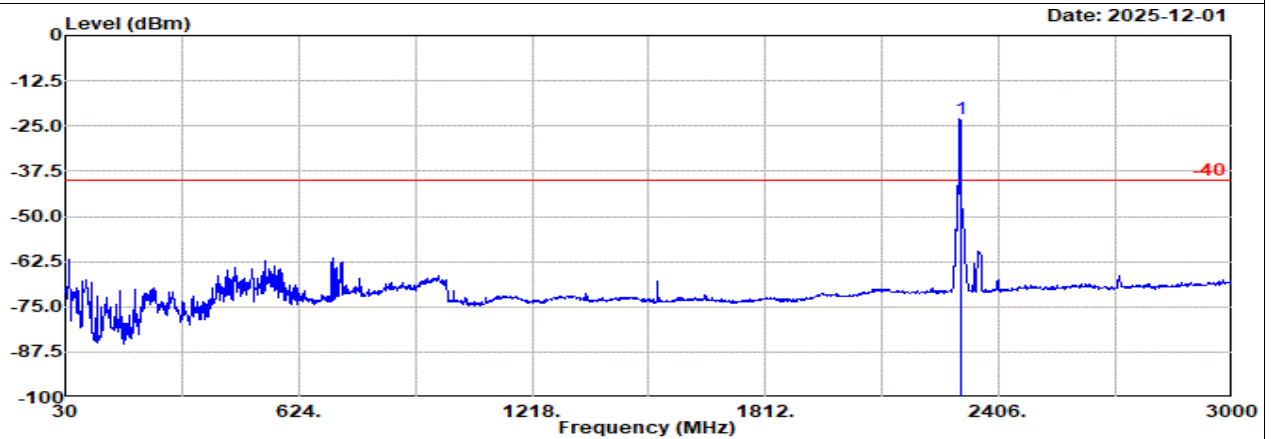
LTE B30 10M Ch27710 1RB0 QPSK

M



Site : 03CH13-HY
Condition: -40 3m BILOG_40103 Horizontal
Mode : LTE Band 30 10M CH27710 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	2310.00	-23.10	RMS	27.20	-50.79	0.00	-95.23	95.72	-40.00	16.90 Horizontal



Site : 03CH13-HY
Condition: -40 3m BILOG_40103 Vertical
Mode : LTE Band 30 10M CH27710 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	2310.00	-23.11	RMS	27.20	-50.79	0.00	-95.23	95.71	-40.00	16.89 Vertical

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

**<Sample 2>****B4-1. Summary of each worse mode**

Mode	Band	Part	Ch	Freq (MHz)	Level (dBm)	Det	Ant Factor (dB)	AmplCbl (dB)	Filter (dB)	EIRPCF (dB)	Reading (dBuV)	Limit (dBm)	Margin (dB)	Pol	Ant
4	LTE B66	Part 27L	H	7044	-55.00	RMS	36.71	-22.95	1.90	-95.23	24.57	-13.00	-42.00	V	8

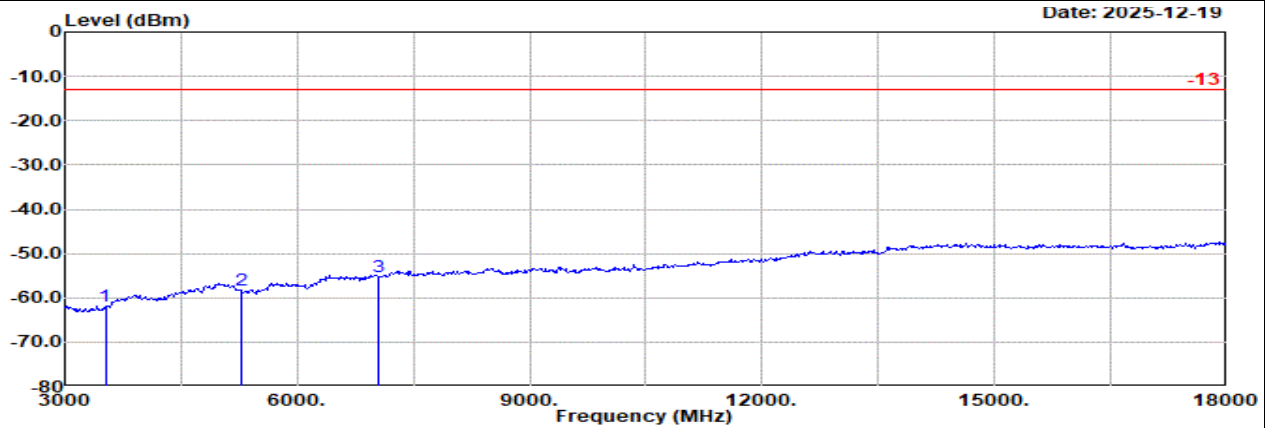


Ant. 8

Part 27L Mode 4

LTE B66 20M Ch132572 1RB0 QPSK

H

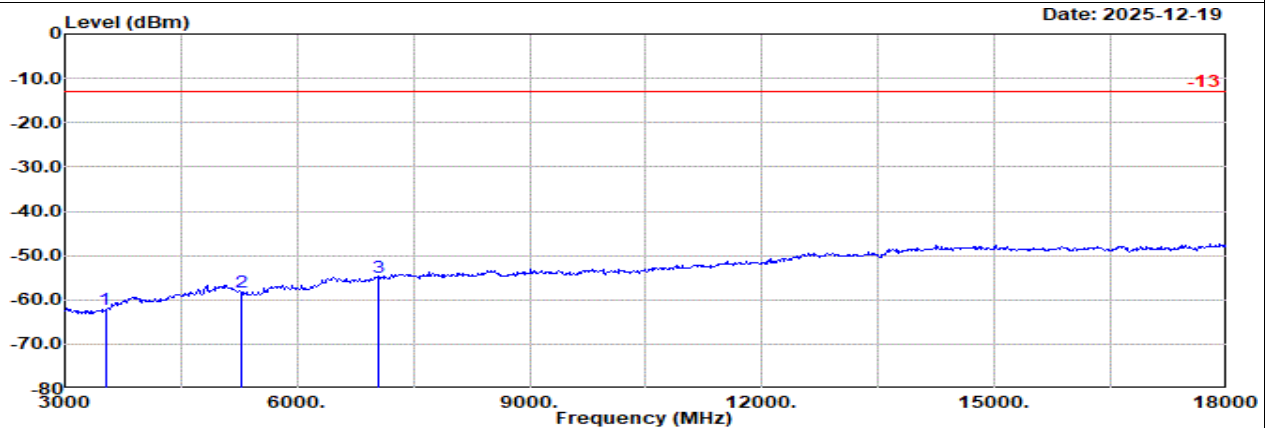


Site : 03CH23-HY

Condition: -13 3m DRH18-E_LE2C05A18EN_250702 Horizontal

: LTE Band 66 20M Ch132572 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	1						
	MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	3522.00	-61.92	RMS	28.98	-23.82	1.80	-95.23	26.35	-13.00	-48.92	Horizontal
2	5283.00	-58.30	RMS	32.63	-22.15	1.79	-95.23	24.66	-13.00	-45.30	Horizontal
3	7044.00	-55.38	RMS	36.71	-22.95	1.90	-95.23	24.19	-13.00	-42.38	Horizontal



Site : 03CH23-HY

Condition: -13 3m DRH18-E_LE2C05A18EN_250702 Vertical

: LTE Band 66 20M Ch132572 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	1						
	MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	3522.00	-62.27	RMS	28.98	-23.82	1.80	-95.23	26.00	-13.00	-49.27	Vertical
2	5283.00	-58.31	RMS	32.63	-22.15	1.79	-95.23	24.65	-13.00	-45.31	Vertical
3	7044.00	-55.00	RMS	36.71	-22.95	1.90	-95.23	24.57	-13.00	-42.00	Vertical

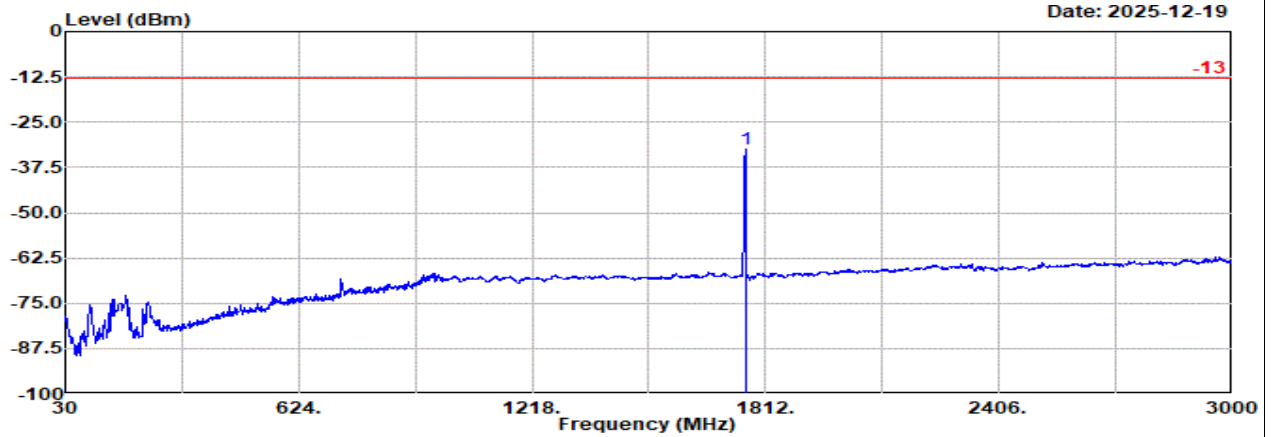


Ant. 8

Part 27L Mode 4

LTE B66 20M Ch132572 1RB0 QPSK

H



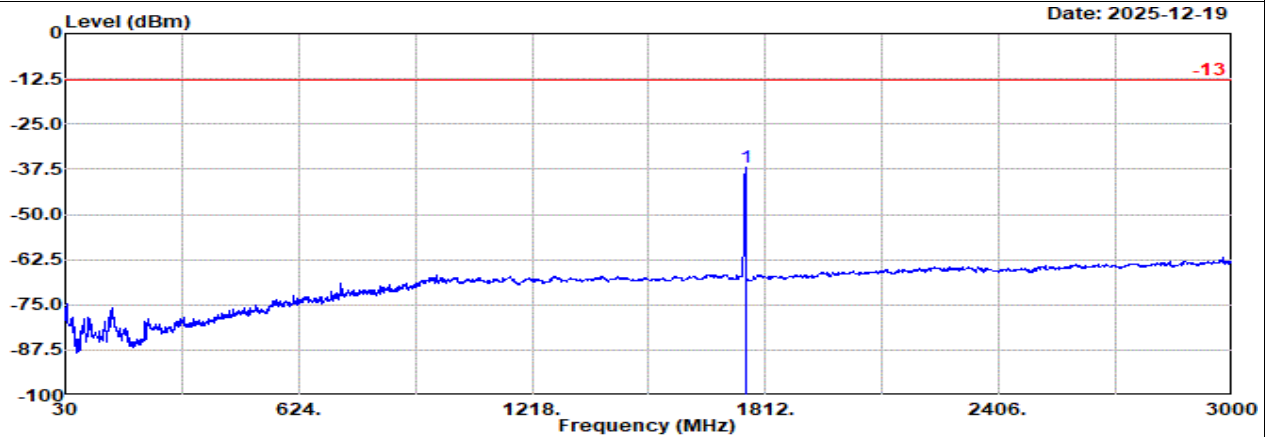
Site : 03CH23-HY

Condition: -13 3m DRH18-E_LE2C05A18EN_250702 Horizontal

: LTE Band 66 20M Ch132572 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	1760.00	-32.37	RMS	24.90	-25.22	1.30	-95.23	61.88	-13.00	-19.37 Horizontal



Site : 03CH23-HY

Condition: -13 3m DRH18-E_LE2C05A18EN_250702 Vertical

: LTE Band 66 20M Ch132572 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	1760.00	-37.05	RMS	24.90	-25.22	1.30	-95.23	57.20	-13.00	-24.05 Vertical