



FCC RADIO TEST REPORT

FCC ID : 2AQM7-AG31E
Equipment : Asset Gateway Mini
Brand Name : Motive
Model Name : AG-31.5
Applicant : Motive Technologies, Inc.
1355 Market St., Fl. 11, San Francisco, CA 94103
Manufacturer : Motive Technologies, Inc.
1355 Market St., Fl. 11, San Francisco, CA 94103
Standard : FCC 47 CFR Part 2, 22(H), 24(E), 27, Part 90(S)

The product was received on Apr. 23, 2026 and testing was performed from May 18, 2026 to May 28, 2026. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI / TIA-603-E and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory

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



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History of this test report

Report No.	Version	Description	Issue Date
FG641508-01	01	Initial issue of report	Jul. 17, 2026



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)		
	§27.50 (h)(2)	Equivalent Isotropic Radiated Power (Band 2) (Band 25)		
	§27.50 (d)(4)	Equivalent Isotropic Radiated Power (Band 4) (Band 66)		
-	§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	Pass	See Note
-	-	Emission Mask	Pass	See Note
-	§2.1051 §22.917 (a) §24.238 (a) §27.53 (c)(2) §27.53 (g) §27.53 (h) §90.691	Conducted Spurious Emission	Pass	See Note
-	§2.1055 §22.355 §24.235 §27.54 §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)	Pass	-

Note:

1. For host device, all band is the spot check Radiated Spurious Emission and complies with the limit in this test report.
2. For host device, all band is the spot check Conducted Output Power is no difference after compared to module (Model: 2ANP000NRF9160)

**Conformity Assessment Condition:**

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

Disclaimer:

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

Reviewed by: Keven Cheng

Report Producer: Shiori Chen



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature
General Specs LTE Cat-M1/ NB IoT, Bluetooth-LE, and GNSS.
Antenna Type WWAN: IFA Antenna

Support band and evaluated information	
Supported band (Cat-M1)	B2, B4, B5, B12, B13, B25, B26, B66
Evaluated and Tested band (Cat-M1)	B2, B4, B5, B12, B13, B25, B26, B66
Supported band (NB IoT)	B2, B4, B5, B12, B13, B17, B25, B26, B66
Evaluated and Tested band (NB IoT)	B2, B4, B5, B12, B13, B17, B25, B26, B66

FDD/TDD band Power Class				
	SISO PC3			
B2	V			
B4	V			
B5	V			
B12	V			
B13	V			
B17	V			
B25	V			
B26	V			
B66	V			

RF Exposure							
Max Antenna Gain information(dBi)							
Band	Ant0					Main Ant. #	
B2	2.25					0	
B4	1.19					0	
B5	0.40					0	
B12	1.66					0	
B13	1.94					0	
B17	1.66					0	
B25	2.25					0	
B26	0.6					0	
B66	1.48					0	

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. 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.	Sporton Site No.
	03CH11-HY	TH05-HY
Test Engineer	Bill Chang, Daniel Lee, Fu Chen, and Troye Hsieh	Kevin Xiao
Temperature (°C)	19.1~21.9	22.1~23.0
Relative Humidity (%)	50.1~66.9	53.0~55.2

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

FCC Designation No.: 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
- ♦ ANSI / TIA-603-E
- ♦ FCC 47 CFR Part 2, Part 22(H), Part 24(E), Part 27, Part 90(S), 22(H), 24(E), 27, 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. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.
3. The TAF code is not including all the FCC KDB listed without accreditation.



2 Test Configuration of Equipment Under Test

2.1 Test Mode

Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas. License Digital Systems v03r01 with maximum output power.

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

Cat-M1

Modulation Type	Modulation
A	QPSK
B	16QAM

Test Item	Modulation Type	Bandwidth	RB Size	Channel
Conducted Power	A, B	All	1, Full	L, M, H
EIRP	A, B	All	1, Full	L, M, H
RSE	A	Max	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.

NB IoT

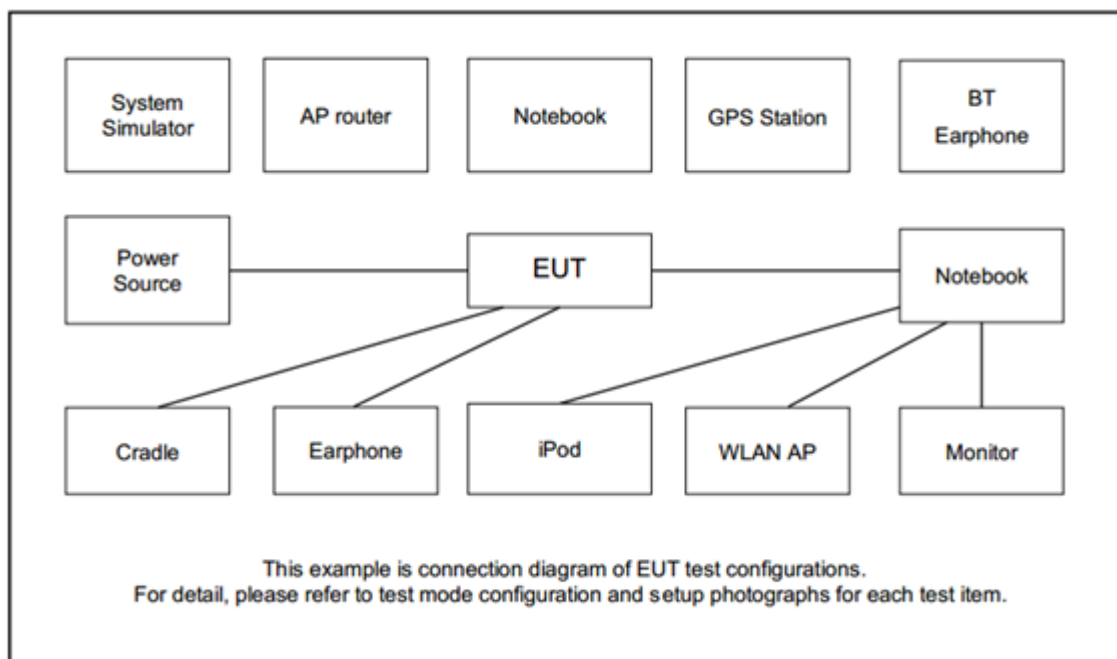
Modulation Type	Modulation
A	BPSK
B	QPSK

Test Item	Modulation Type	Bandwidth	RB Size	Channel
Conducted Power	A, B	All	1, Full	L, M, H
EIRP	A, B	All	1, Full	L, M, H
RSE	A	Max	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.

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.	Base Station	Anritsu	8821C	N/A	N/A	N/A

2.4 Frequency List of Low/Middle/High Channels

<Cat-M1>

LTE Band 2 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	18700	18900	19100
	Frequency	1860	1880	1900
15	Channel	18675	18900	19125
	Frequency	1857.5	1880	1902.5
10	Channel	18650	18900	19150
	Frequency	1855	1880	1905
5	Channel	18625	18900	19175
	Frequency	1852.5	1880	1907.5
3	Channel	18615	18900	19185
	Frequency	1851.5	1880	1908.5
1.4	Channel	18607	18900	19193
	Frequency	1850.7	1880	1909.3



LTE Band 4 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	20050	20175	20300
	Frequency	1720	1732.5	1745
15	Channel	20025	20175	20325
	Frequency	1717.5	1732.5	1747.5
10	Channel	20000	20175	20350
	Frequency	1715	1732.5	1750
5	Channel	19975	20175	20375
	Frequency	1712.5	1732.5	1752.5
3	Channel	19965	20175	20385
	Frequency	1711.5	1732.5	1753.5
1.4	Channel	19957	20175	20393
	Frequency	1710.7	1732.5	1754.3

LTE Band 5 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	20450	20525	20600
	Frequency	829	836.5	844
5	Channel	20425	20525	20625
	Frequency	826.5	836.5	846.5
3	Channel	20415	20525	20635
	Frequency	825.5	836.5	847.5
1.4	Channel	20407	20525	20643
	Frequency	824.7	836.5	848.3



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 25 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	26140	26340	26590
	Frequency	1860	1880	1905
15	Channel	26115	26340	26615
	Frequency	1857.5	1880	1907.5
10	Channel	26090	26340	26640
	Frequency	1855	1880	1910
5	Channel	26065	26340	26665
	Frequency	1852.5	1880	1912.5
3	Channel	26055	26340	26675
	Frequency	1851.5	1880	1913.5
1.4	Channel	26047	26340	26683
	Frequency	1850.7	1880	1914.3



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 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

**<NB IoT>**

LTE-NB1 Band 2 Channel and Frequency List			
Channel/Frequency(MHz)	Lowest	Middle	Highest
Channel	18601	18900	19199
Frequency	1850.1	1880	1909.9

LTE-NB1 Band 4 Channel and Frequency List			
Channel/Frequency(MHz)	Lowest	Middle	Highest
Channel	19951	20175	20399
Frequency	1710.1	1732.5	1754.9

LTE-NB1 Band 5 Channel and Frequency List			
Channel/Frequency(MHz)	Lowest	Middle	Highest
Channel	20401	20525	20649
Frequency	824.1	836.5	848.9

LTE-NB1 Band 12 Channel and Frequency List			
Channel/Frequency(MHz)	Lowest	Middle	Highest
Channel	23011	23095	23179
Frequency	699.1	707.5	715.9

LTE-NB1 Band 13 Channel and Frequency List			
Channel/Frequency(MHz)	Lowest	Middle	Highest
Channel	23181	23230	23279
Frequency	777.1	782.0	786.9



LTE-NB1 Band 17 Channel and Frequency List			
Channel/Frequency(MHz)	Lowest	Middle	Highest
Channel	23731	23790	23849
Frequency	704.1	710	715.9

LTE-NB1 Band 25 Channel and Frequency List			
Channel/Frequency(MHz)	Lowest	Middle	Highest
Channel	26041	26365	26689
Frequency	1850.1	1882.5	1914.9

LTE-NB1 Part 22H Band 26 Channel and Frequency List			
Channel/Frequency(MHz)	Lowest	Middle	Highest
Channel	26791	26915	27039
Frequency	824.1	836.5	848.9

LTE-NB1 Part 90S Band 26 Channel and Frequency List			
Channel/Frequency(MHz)	Lowest	Middle	Highest
Channel	26691	26740	26789
Frequency	814.1	819	823.9

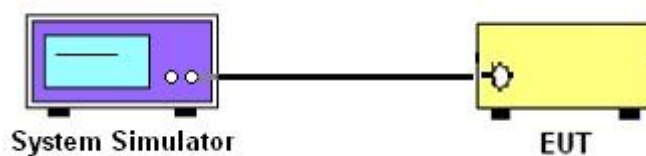
LTE-NB1 Band 66 Channel and Frequency List			
Channel/Frequency(MHz)	Lowest	Middle	Highest
Channel	131973	132322	132671
Frequency	1710.1	1745.0	1779.9

3 Conducted Test Items

3.1 Measuring Instruments

See list of measuring instruments of this test report.

3.1.1 Conducted Output Power



3.1.2 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 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

The EIRP of mobile transmitters must not exceed 2 Watts for LTE Band 25

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

According to KDB 412172 D01 Power Approach,

$EIRP = PT + GT - LC$, $ERP = EIRP - 2.15$, 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

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.

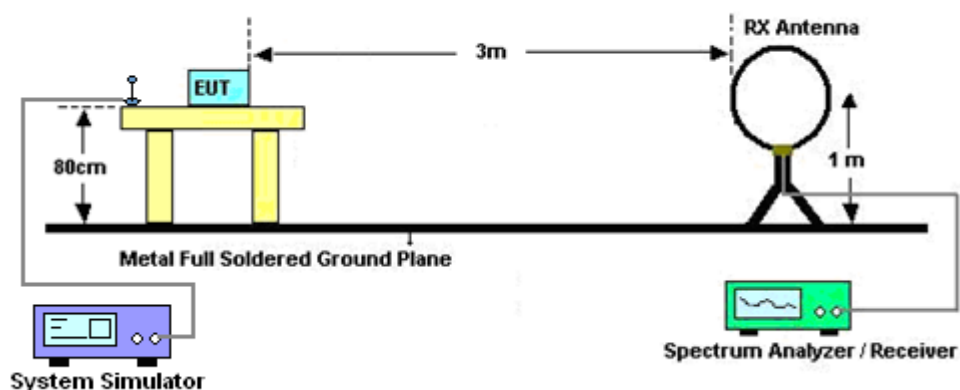
4 Radiated Test Items

4.1 Measuring Instruments

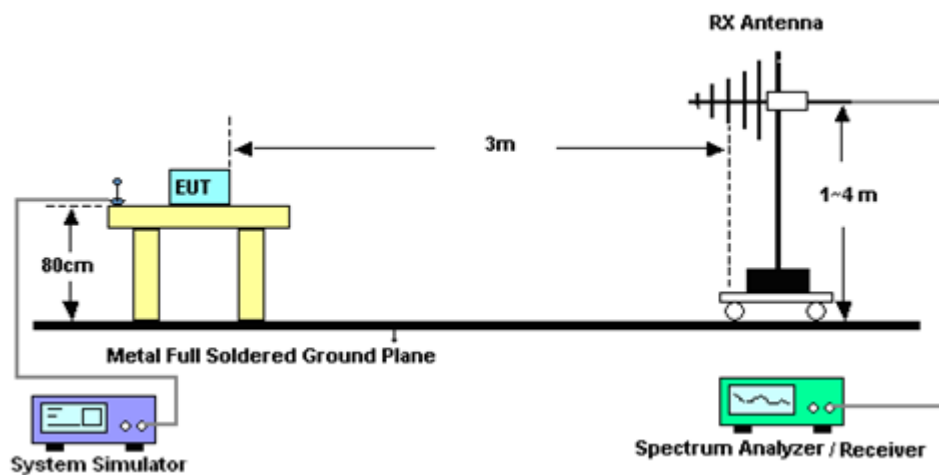
See list of measuring instruments of this test report.

4.1.1 Test Setup

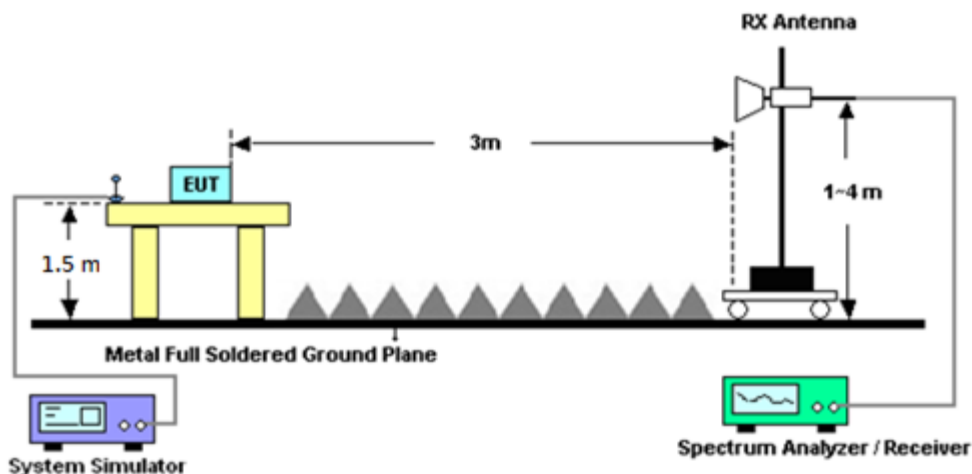
For radiated test below 30MHz



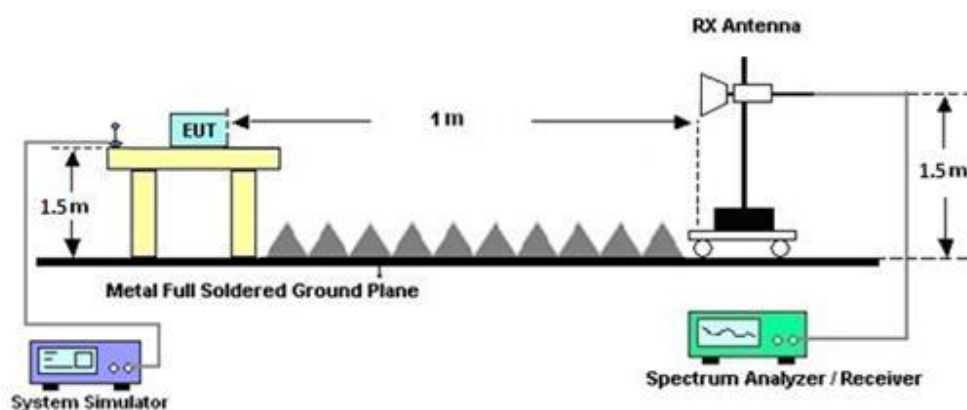
For radiated test from 30MHz to 1GHz



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

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.

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.
$$\text{Field Strength Level (dBm)} = \text{Spectrum Reading (dBm)} + \text{Antenna Factor} + \text{Cable Loss} + \text{Read Level} - \text{Preamplifier Factor}.$$
8.
$$\text{ERP (dBm)} = \text{EIRP (dBm)} - 2.15$$
9. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)



5 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Bilog Antenna with 6dB pad	TESEQ & VGT	CBL 6111D & VFA_Z-04002-N-06	66925 & 24006	30MHz~1GHz	Apr. 12, 2026	May 18, 2026~ May 28, 2026	Apr. 11, 2027	Radiation (03CH11-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2E	101108	9 kHz~30 MHz	Dec. 11, 2025	May 18, 2026~ May 28, 2026	Dec. 10, 2026	Radiation (03CH11-HY)
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-01620	1GHz~18GHz	Sep. 15, 2025	May 18, 2026~ May 28, 2026	Sep. 14, 2026	Radiation (03CH11-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	1224	18GHz~40GHz	Jul. 02, 2025	May 18, 2026~ May 28, 2026	Jul. 01, 2026	Radiation (03CH11-HY)
Preamplifier	Keysight	83017A	MY53270080	1GHz~26.5GHz	Mar. 23, 2026	May 18, 2026~ May 28, 2026	Mar. 22, 2027	Radiation (03CH11-HY)
Preamplifier	EMEC	EM18G40G	060873	18GHz~40GHz	Aug. 26, 2025	May 18, 2026~ May 28, 2026	Aut. 25, 2026	Radiation (03CH11-HY)
Signal Analyzer	Keysight	N9010A	MY54200485	10Hz~44GHz	Aug. 27, 2025	May 18, 2026~ May 28, 2026	Aug. 26, 2026	Radiation (03CH11-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY55420170	20MHz~8.4GHz	Jul. 22, 2025	May 18, 2026~ May 28, 2026	Jul. 21, 2026	Radiation (03CH11-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	May 18, 2026~ May 28, 2026	N/A	Radiation (03CH11-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	May 18, 2026~ May 28, 2026	N/A	Radiation (03CH11-HY)
Turn Table	EMEC	TT 2000	N/A	0~360 Degree	N/A	May 18, 2026~ May 28, 2026	N/A	Radiation (03CH11-HY)
Software	Audix	E3	RK-002391	N/A	N/A	May 18, 2026~ May 28, 2026	N/A	Radiation (03CH11-HY)
USB Data Logger	TECPEL	TR-32	HE17XM6804	N/A	Dec. 15, 2025	May 18, 2026~ May 28, 2026	Dec. 14, 2026	Radiation (03CH11-HY)
Hygrometer	TECPEL	DTM-303B	TP200880	N/A	Aug. 26, 2025	May 18, 2026~ May 28, 2026	Aug. 25, 2026	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804013/2	30M~40G	Mar. 04, 2026	May 18, 2026~ May 28, 2026	Mar. 03, 2027	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9K~30M	Mar. 04, 2026	May 18, 2026~ May 28, 2026	Mar. 03, 2027	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	30M~40G	Mar. 04, 2026	May 18, 2026~ May 28, 2026	Mar. 03, 2027	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	805139 2	9K~30M	Mar. 04, 2026	May 18, 2026~ May 28, 2026	Mar. 03, 2027	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	805139 2	30M~40G	Mar. 04, 2026	May 18, 2026~ May 28, 2026	Mar. 03, 2027	Radiation (03CH11-HY)
Filter	Wainwright	WHKX12-2700-3000-18000-60SS	SN3	3GHz High Pass Filter	Sep. 09, 2025	May 18, 2026~ May 28, 2026	Sep. 08, 2026	Radiation (03CH11-HY)
Filter	Wainwright	WHKX12-900-1000-15000-60SS	SN12	1GHz High Pass Filter	Sep. 09, 2025	May 18, 2026~ May 28, 2026	Sep. 08, 2026	Radiation (03CH11-HY)
Radio Communication Analyzer	Anritsu	MT8821C	6262025341	LTE FDD/TDD LTE-2CC ULCA/DLCA	Sep. 16, 2025	May 26, 2026~ May 27, 2026	Sep. 15, 2026	Conducted (TH05-HY)
Coupler	MVE	MVE4816	#Z	0.009MHz-18GHz	Oct. 16, 2025	May 26, 2026~ May 27, 2026	Oct. 15, 2026	Conducted (TH05-HY)
Power divider	Anritsu	K241C	2143398	9KHz~40GHz	Jun. 13, 2025	May 26, 2026~ May 27, 2026	Jun. 12, 2026	Conducted (TH05-HY)
Software	Sporton	LTE Conducted Test Tools	N/A	Conducted Test Item	N/A	May 26, 2026~ May 27, 2026	N/A	Conducted (TH05-HY)
Hygrometer	TECPEL	DTM-303B	TP200886	-10 ~ 50°C / 20 ~ 95%RH	Mar. 04, 2026	May 26, 2026~ May 27, 2026	Mar. 03, 2027	Conducted (TH05-HY)

6 Measurement Uncertainty

Uncertainty of Radiated Emission Measurement (9 kHz ~ 30 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.4 dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

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

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

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

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

Conducted Output Power (Average power and ERI/EIRP)

LTE CatM1 Band 2 Maximum Average Power [dBm] (GT - LC = 2.25 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	22.29	22.25	22.30	24.65	0.2917
20	1	5		22.25	22.22	22.32		
20	6	0		22.35	22.14	22.40		
20	1	0	16-QAM	21.45	21.38	21.55	23.81	0.2404
20	1	5		21.46	21.43	21.56		
20	5	0		21.51	21.27	21.46		
15	1	0	QPSK	22.37	22.20	22.24	24.63	0.2904
15	1	5		22.31	22.08	22.35		
15	6	0		22.38	22.09	22.35		
15	1	0	16-QAM	21.44	21.44	21.59	23.86	0.2432
15	1	5		21.46	21.34	21.61		
15	5	0		21.51	21.23	21.40		
10	1	0	QPSK	22.32	22.18	22.33	24.58	0.2871
10	1	5		22.23	22.06	22.21		
10	6	0		21.22	21.08	21.38		
10	1	0	16-QAM	21.71	21.32	21.60	23.96	0.2489
10	1	5		21.45	21.34	21.62		
10	5	0		21.47	21.27	21.44		
Limit	EIRP < 2W			Result			Pass	

LTE CatM1 Band 2 Maximum Average Power [dBm] (GT - LC = 2.25 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	22.29	22.16	22.24	24.60	0.2884
5	1	5		22.22	22.04	22.35		
5	6	0		21.28	21.16	21.40		
5	1	0	16-QAM	21.41	21.43	21.62	23.88	0.2443
5	1	5		21.48	21.31	21.63		
5	5	0		20.45	20.31	20.54		
3	1	0	QPSK	22.27	22.04	22.29	24.55	0.2851
3	1	5		22.28	22.05	22.30		
3	6	0		20.29	20.21	20.44		
3	1	0	16-QAM	21.12	20.96	21.30	23.55	0.2265
3	1	5		21.12	20.97	21.18		
3	5	0		20.28	20.20	20.40		
1.4	1	0	QPSK	22.27	22.08	22.32	24.67	0.2931
1.4	1	5		22.28	22.08	22.42		
1.4	6	0		20.30	20.27	20.45		
1.4	1	0	16-QAM	21.14	20.96	21.31	23.56	0.2270
1.4	1	5		21.15	20.99	21.17		
1.4	5	0		20.27	20.22	20.42		
Limit	EIRP < 2W			Result			Pass	

LTE CatM1 Band 4 Maximum Average Power [dBm] (GT - LC = 1.19 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	22.66	22.57	22.61	23.88	0.2443
20	1	5		22.60	22.47	22.66		
20	6	0		22.69	22.47	22.58		
20	1	0	16-QAM	21.79	21.70	21.81	23.03	0.2009
20	1	5		21.84	21.72	21.84		
20	5	0		21.72	21.59	21.59		
15	1	0	QPSK	22.65	22.64	22.56	23.92	0.2466
15	1	5		22.73	22.65	22.52		
15	6	0		22.69	22.50	22.55		
15	1	0	16-QAM	21.83	21.78	21.77	23.04	0.2014
15	1	5		21.85	21.70	21.81		
15	5	0		21.76	21.56	21.66		
10	1	0	QPSK	22.66	22.59	22.67	23.86	0.2432
10	1	5		22.62	22.60	22.55		
10	6	0		21.73	21.39	21.49		
10	1	0	16-QAM	21.82	21.74	21.82	23.01	0.2000
10	1	5		21.80	21.65	21.75		
10	5	0		21.68	21.69	21.77		
Limit	EIRP < 1W			Result			Pass	

LTE CatM1 Band 4 Maximum Average Power [dBm] (GT - LC = 1.19 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	22.68	22.48	22.60	23.88	0.2443
5	1	5		22.69	22.60	22.53		
5	6	0		21.60	21.39	21.55		
5	1	0	16-QAM	21.78	21.65	21.82	23.04	0.2014
5	1	5		21.81	21.69	21.85		
5	5	0		20.80	20.68	20.68		
3	1	0	QPSK	22.57	22.59	22.55	23.79	0.2393
3	1	5		22.60	22.54	22.60		
3	6	0		20.59	20.40	20.55		
3	1	0	16-QAM	21.39	21.35	21.35	22.71	0.1866
3	1	5		21.52	21.36	21.41		
3	5	0		20.63	20.56	20.50		
1.4	1	0	QPSK	22.54	22.54	22.55	23.81	0.2404
1.4	1	5		22.61	22.46	22.62		
1.4	6	0		20.74	20.39	20.60		
1.4	1	0	16-QAM	21.50	21.31	21.41	22.70	0.1862
1.4	1	5		21.51	21.35	21.46		
1.4	5	0		20.70	20.54	20.50		
Limit	EIRP < 1W			Result			Pass	

LTE CatM1 Band 5 Maximum Average Power [dBm] (GT - LC = 0.4 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	22.26	22.22	22.13	20.51	0.1125
10	1	5		22.26	22.08	22.15		
10	6	0		21.24	21.20	21.10		
10	1	0	16-QAM	22.19	22.14	21.99	20.44	0.1107
10	1	5		22.17	22.15	22.06		
10	5	0		21.45	21.42	21.19		
5	1	0	QPSK	22.31	22.30	22.13	20.56	0.1138
5	1	5		22.13	22.12	22.14		
5	6	0		21.26	21.27	21.08		
5	1	0	16-QAM	22.18	22.23	22.15	20.49	0.1119
5	1	5		22.18	22.24	22.08		
5	5	0		20.39	20.34	20.14		
3	1	0	QPSK	22.36	22.24	22.24	20.61	0.1151
3	1	5		22.16	22.31	22.08		
3	6	0		20.33	20.31	20.15		
3	1	0	16-QAM	21.15	21.14	21.15	19.4	0.0871
3	1	5		21.14	21.05	21.14		
3	5	0		20.32	20.31	20.15		
Limit	ERP < 7W			Result			Pass	

LTE CatM1 Band 5 Maximum Average Power [dBm] (GT - LC = 0.4 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	22.23	22.14	22.02	20.48	0.1117
1.4	1	5		22.19	22.21	22.06		
1.4	6	0		20.29	20.28	20.14		
1.4	1	0	16-QAM	21.05	21.15	21.11	19.40	0.0871
1.4	1	5		21.09	21.01	21.04		
1.4	5	0		20.28	20.33	20.14		
Limit	ERP < 7W			Result			Pass	

LTE CatM1 Band 12 Maximum Average Power [dBm] (GT - LC = 1.66 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	22.41	22.49	22.62	22.13	0.1633
10	1	5		22.33	22.37	22.35		
10	6	0		21.47	21.44	21.36		
10	1	0	16-QAM	22.46	22.30	22.26	21.97	0.1574
10	1	5		22.39	22.31	22.26		
10	5	0		21.50	21.59	21.55		
5	1	0	QPSK	22.37	22.58	22.33	22.09	0.1618
5	1	5		22.49	22.41	22.32		
5	6	0		21.33	21.43	21.36		
5	1	0	16-QAM	22.20	22.47	22.16	21.98	0.1578
5	1	5		22.34	22.33	22.41		
5	5	0		20.50	20.50	20.44		
3	1	0	QPSK	22.27	22.53	22.40	22.04	0.1600
3	1	5		22.31	22.44	22.40		
3	6	0		20.47	20.52	20.37		
3	1	0	16-QAM	21.28	21.38	21.35	20.89	0.1227
3	1	5		21.25	21.38	21.23		
3	5	0		20.29	20.41	20.37		
Limit	ERP < 3W			Result			Pass	

LTE CatM1 Band 12 Maximum Average Power [dBm] (GT - LC = 1.66 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
1.4	1	0	QPSK	22.28	22.41	22.39	21.93	0.1560
1.4	1	5		22.30	22.42	22.25		
1.4	6	0		20.38	20.49	20.45		
1.4	1	0	16-QAM	21.17	21.36	21.32	20.90	0.1230
1.4	1	5		21.20	21.30	21.39		
1.4	5	0		20.37	20.50	20.41		
Limit	ERP < 3W			Result			Pass	

LTE CatM1 Band 13 Maximum Average Power [dBm] (GT - LC = 1.94 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
10	1	0	QPSK	-	22.06	-	21.85	0.1531
10	1	5		-	22.05	-		
10	6	0		-	21.14	-		
10	1	0	16-QAM	-	22.03	-	21.82	0.1521
10	1	5		-	21.91	-		
10	5	0		-	21.21	-		
5	1	0	QPSK	22.09	22.33	22.33	22.12	0.1629
5	1	5		22.17	22.11	22.23		
5	6	0		21.12	21.12	21.13		
5	1	0	16-QAM	21.96	22.08	22.08	21.97	0.1574
5	1	5		22.16	22.04	22.18		
5	5	0		20.28	20.41	20.28		
Limit	ERP < 3W			Result			Pass	

LTE CatM1 Band 25 Maximum Average Power [dBm] (GT - LC = 2.25 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	22.37	22.24	22.28	24.66	0.2924
20	1	5		22.27	22.18	22.40		
20	6	0		22.31	22.32	22.41		
20	1	0	16-QAM	21.48	21.56	21.56	23.95	0.2483
20	1	5		21.58	21.47	21.70		
20	5	0		21.63	21.34	21.49		
15	1	0	QPSK	22.47	22.17	22.28	24.72	0.2965
15	1	5		22.29	22.34	22.29		
15	6	0		22.38	22.26	22.40		
15	1	0	16-QAM	21.62	21.40	21.65	23.91	0.2460
15	1	5		21.51	21.54	21.66		
15	5	0		21.52	21.42	21.55		
10	1	0	QPSK	22.49	22.07	22.36	24.74	0.2979
10	1	5		22.42	22.18	22.29		
10	6	0		21.38	21.20	21.46		
10	1	0	16-QAM	21.48	21.32	21.50	23.91	0.2460
10	1	5		21.50	21.45	21.66		
10	5	0		21.48	21.23	21.54		
Limit	EIRP < 2W			Result			Pass	

LTE CatM1 Band 25 Maximum Average Power [dBm] (GT - LC = 2.25 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	22.23	22.16	22.35	24.62	0.2897
5	1	5		22.25	22.08	22.37		
5	6	0		21.20	21.18	21.45		
5	1	0	16-QAM	21.50	21.30	21.66	23.91	0.2460
5	1	5		21.60	21.37	21.66		
5	5	0		20.52	20.34	20.54		
3	1	0	QPSK	22.25	22.09	22.35	24.60	0.2884
3	1	5		22.15	22.13	22.28		
3	6	0		20.40	20.30	20.53		
3	1	0	16-QAM	21.15	21.05	21.40	23.65	0.2317
3	1	5		21.16	21.06	21.27		
3	5	0		20.29	20.25	20.48		
1.4	1	0	QPSK	22.29	22.16	22.34	24.59	0.2877
1.4	1	5		22.20	22.20	22.28		
1.4	6	0		20.33	20.36	20.45		
1.4	1	0	16-QAM	21.17	20.99	21.23	23.48	0.2228
1.4	1	5		21.06	21.02	21.21		
1.4	5	0		20.31	20.24	20.46		
Limit	EIRP < 2W			Result			Pass	

Part 22H LTE CatM1 Band 26 Maximum Average Power [dBm] (GT - LC = 0.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	22.22	22.16	22.22	20.80	0.1202
15	1	5		22.24	22.33	22.15		
15	6	0		22.35	22.27	22.09		
15	1	0	16-QAM	22.20	22.28	22.17	20.73	0.1183
15	1	5		22.23	22.28	22.08		
15	5	0		22.11	22.13	21.92		
10	1	0	QPSK	22.21	22.18	22.26	20.71	0.1178
10	1	5		22.21	22.23	22.06		
10	6	0		21.34	21.31	21.15		
10	1	0	16-QAM	22.22	22.26	22.06	20.71	0.1178
10	1	5		22.22	22.26	22.07		
10	5	0		21.41	21.35	21.24		
5	1	0	QPSK	22.16	22.24	22.21	20.70	0.1175
5	1	5		22.15	22.25	22.15		
5	6	0		21.26	21.21	21.22		
5	1	0	16-QAM	22.21	22.12	22.19	20.69	0.1172
5	1	5		22.20	22.24	22.08		
5	5	0		20.40	20.36	20.26		
Limit	ERP < 7W			Result			Pass	

Part 22H LTE CatM1 Band 26 Maximum Average Power [dBm] (GT - LC = 0.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	22.26	22.20	22.08	20.71	0.1178
3	1	5		22.26	22.20	22.07		
3	6	0		20.30	20.34	20.07		
3	1	0	16-QAM	21.17	21.24	21.17	19.69	0.0931
3	1	5		21.16	21.21	21.17		
3	5	0		20.33	20.39	20.22		
1.4	1	0	QPSK	22.25	22.19	22.07	20.70	0.1175
1.4	1	5		22.20	22.20	22.08		
1.4	6	0		20.33	20.23	20.19		
1.4	1	0	16-QAM	21.27	21.13	21.11	19.72	0.0938
1.4	1	5		21.12	21.15	21.10		
1.4	5	0		20.31	20.34	20.19		
Limit	ERP < 7W			Result			Pass	

Part 90S LTE CatM1 Band 26 Maximum Average Power [dBm] (GT - LC = 0.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	22.32	-	-	20.79	0.1199
15	1	5		22.19	-	-		
15	6	0		22.34	-	-		
15	1	0	16-QAM	22.22	-	-	20.67	0.1167
15	1	5		22.22	-	-		
15	5	0		22.12	-	-		
10	1	0	QPSK	-	22.28	-	20.73	0.1183
10	1	5		-	22.23	-		
10	6	0		-	21.38	-		
10	1	0	16-QAM	-	22.09	-	20.66	0.1164
10	1	5		-	22.21	-		
10	5	0		-	21.39	-		
5	1	0	QPSK	22.26	22.15	22.28	20.73	0.1183
5	1	5		22.17	22.16	22.14		
5	6	0		21.37	21.28	21.25		
5	1	0	16-QAM	22.08	22.06	22.09	20.66	0.1164
5	1	5		22.19	22.18	22.21		
5	5	0		20.45	20.43	20.33		
Limit	ERP < 100W			Result			Pass	

Part 90S LTE CatM1 Band 26 Maximum Average Power [dBm] (GT - LC = 0.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	22.17	22.17	22.19	20.79	0.1199
3	1	5		22.16	22.17	22.34		
3	6	0		20.34	20.33	20.31		
3	1	0	16-QAM	21.18	21.16	20.94	19.65	0.0923
3	1	5		21.07	21.20	21.16		
3	5	0		20.36	20.33	20.34		
1.4	1	0	QPSK	22.14	22.15	22.36	20.81	0.1205
1.4	1	5		22.14	22.12	22.21		
1.4	6	0		20.30	20.27	20.32		
1.4	1	0	16-QAM	21.16	21.12	21.03	19.61	0.0914
1.4	1	5		21.15	21.11	21.03		
1.4	5	0		20.34	20.31	20.24		
Limit	ERP < 100W			Result			Pass	

LTE CatM1 Band 26 Straddle Maximum Average Power [dBm] (GT - LC = 0.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
15	1	0	QPSK	-	22.21	-	20.81	0.1205
15	1	5		-	22.24	-		
15	6	0		-	22.36	-		
15	1	0	16-QAM	-	22.18	-	20.64	0.1159
15	1	5		-	22.19	-		
15	5	0		-	22.07	-		
10	1	0	QPSK	-	22.16	-	20.64	0.1159
10	1	5		-	22.19	-		
10	6	0		-	21.29	-		
10	1	0	16-QAM	-	22.09	-	20.80	0.1202
10	1	5		-	22.35	-		
10	5	0		-	21.30	-		
5	1	0	QPSK	-	22.22	-	20.67	0.1167
5	1	5		-	22.19	-		
5	6	0		-	21.35	-		
5	1	0	16-QAM	-	22.06	-	20.67	0.1167
5	1	5		-	22.22	-		
5	5	0		-	20.31	-		
Limit	ERP < 7W			Result			Pass	

LTE CatM1 Band 26 Straddle Maximum Average Power [dBm] (GT - LC = 0.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3	1	0	QPSK	-	22.23	-	20.68	0.1169
3	1	5		-	22.20	-		
3	6	0		-	20.35	-		
3	1	0	16-QAM	-	21.18	-	19.69	0.0931
3	1	5		-	21.24	-		
3	5	0		-	20.22	-		
1.4	1	0	QPSK	-	22.17	-	20.68	0.1169
1.4	1	5		-	22.23	-		
1.4	6	0		-	20.33	-		
1.4	1	0	16-QAM	-	21.00	-	19.58	0.0908
1.4	1	5		-	21.13	-		
1.4	5	0		-	20.23	-		
Limit	ERP < 7W			Result			Pass	

LTE CatM1 Band 66 Maximum Average Power [dBm] (GT - LC = 1.48 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
20	1	0	QPSK	22.64	22.49	22.47	24.12	0.2582
20	1	5		22.53	22.42	22.37		
20	6	0		22.50	22.37	22.48		
20	1	0	16-QAM	21.72	21.71	21.69	23.29	0.2133
20	1	5		21.81	21.72	21.81		
20	5	0		21.68	21.48	21.57		
15	1	0	QPSK	22.60	22.40	22.48	24.11	0.2576
15	1	5		22.63	22.39	22.51		
15	6	0		22.51	22.45	22.46		
15	1	0	16-QAM	21.75	21.70	21.80	23.28	0.2128
15	1	5		21.80	21.62	21.71		
15	5	0		21.65	21.48	21.58		
10	1	0	QPSK	22.65	22.51	22.43	24.13	0.2588
10	1	5		22.64	22.43	22.51		
10	6	0		21.63	21.43	21.39		
10	1	0	16-QAM	21.71	21.72	21.67	23.43	0.2203
10	1	5		21.80	21.63	21.95		
10	5	0		21.64	21.49	21.56		
Limit	EIRP < 1W			Result			Pass	

LTE CatM1 Band 66 Maximum Average Power [dBm] (GT - LC = 1.48 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
5	1	0	QPSK	22.56	22.40	22.58	24.21	0.2636
5	1	5		22.73	22.43	22.51		
5	6	0		21.61	21.43	21.45		
5	1	0	16-QAM	21.91	21.70	21.80	23.43	0.2203
5	1	5		21.95	21.62	21.82		
5	5	0		20.75	20.54	20.57		
3	1	0	QPSK	22.52	22.44	22.55	24.03	0.2529
3	1	5		22.55	22.47	22.55		
3	6	0		20.50	20.34	20.55		
3	1	0	16-QAM	21.26	21.24	21.37	22.93	0.1963
3	1	5		21.45	21.32	21.38		
3	5	0		20.62	20.45	20.55		
1.4	1	0	QPSK	22.50	22.44	22.55	24.03	0.2529
1.4	1	5		22.53	22.37	22.46		
1.4	6	0		20.52	20.36	20.57		
1.4	1	0	16-QAM	21.21	21.27	21.43	22.91	0.1954
1.4	1	5		21.41	21.23	21.30		
1.4	5	0		20.50	20.52	20.54		
Limit	EIRP < 1W			Result			Pass	

Conducted Output Power (Average power and ERI/EIRP)

LTE NB IoT Band 2 Maximum Average Power [dBm] (GT - LC = 2.25 dB)								
Sub-carrier Spacing [kHz]	Number of Tones		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3.75	1	0	BPSK	22.21	22.12	22.27	24.52	0.2831
3.75	1	47		22.19	22.03	22.18		
3.75	1	0	QPSK	22.14	22.11	22.24	24.52	0.2831
3.75	1	47		22.13	22.04	22.27		
15	1	0	BPSK	22.08	22.05	22.29	24.54	0.2844
15	1	11		22.10	22.04	22.24		
15	1	0	QPSK	22.14	22.05	22.22	24.47	0.2799
15	1	11		22.16	22.02	22.22		
15	12	0		20.12	20.10	20.30		
Limit	EIRP < 2W			Result			Pass	

LTE NB IoT Band 4 Maximum Average Power [dBm] (GT - LC = 1.19 dB)								
Sub-carrier Spacing [kHz]	Number of Tones		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3.75	1	0	BPSK	22.40	22.20	22.26	23.59	0.2286
3.75	1	47		22.27	22.21	22.27		
3.75	1	0	QPSK	22.36	22.14	22.33	23.55	0.2265
3.75	1	47		22.30	22.12	22.26		
15	1	0	BPSK	22.28	22.25	22.24	23.47	0.2223
15	1	11		22.26	22.15	22.21		
15	1	0	QPSK	22.26	22.15	22.20	23.45	0.2213
15	1	11		22.25	22.15	22.18		
15	12	0		20.42	20.25	20.27		
Limit	EIRP < 1W			Result			Pass	

LTE NB IoT Band 5 Maximum Average Power [dBm] (GT - LC = 0.4 dB)								
Sub-carrier Spacing [kHz]	Number of Tones		Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3.75	1	0	BPSK	20.97	21.22	21.35	19.60	0.0912
3.75	1	47		20.87	20.54	21.29		
3.75	1	0	QPSK	20.94	20.93	21.38	19.63	0.0918
3.75	1	47		20.88	21.03	21.31		
15	1	0	BPSK	22.71	22.72	22.63	20.97	0.1250
15	1	11		22.65	22.66	22.62		
15	1	0	QPSK	22.67	22.64	22.57	20.92	0.1236
15	1	11		22.64	22.64	22.58		
15	12	0		20.89	20.81	20.82		
Limit	ERP < 7W			Result			Pass	

LTE NB IoT Band 12 Maximum Average Power [dBm] (GT - LC = 1.66 dB)								
Sub-carrier Spacing [kHz]	Number of Tones		Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3.75	1	0	BPSK	21.34	20.86	21.74	21.25	0.1334
3.75	1	47		20.71	20.78	21.15		
3.75	1	0	QPSK	20.78	21.50	21.14	21.28	0.1343
3.75	1	47		20.70	21.22	21.77		
15	1	0	BPSK	22.78	22.91	22.81	22.43	0.1750
15	1	11		22.78	22.92	22.79		
15	1	0	QPSK	22.78	22.95	22.82	22.46	0.1762
15	1	11		22.74	22.91	22.78		
15	12	0		20.76	20.96	20.83		
Limit	ERP < 3W			Result			Pass	

LTE NB IoT Band 13 Maximum Average Power [dBm] (GT - LC = 1.94 dB)								
Sub-carrier Spacing [kHz]	Number of Tones		Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3.75	1	0	BPSK	21.73	21.93	21.63	21.72	0.1486
3.75	1	47		20.84	20.87	20.96		
3.75	1	0	QPSK	20.92	20.94	21.04	20.83	0.1211
3.75	1	47		20.73	20.84	20.95		
15	1	0	BPSK	22.62	22.72	22.71	22.51	0.1782
15	1	11		22.57	22.71	22.67		
15	1	0	QPSK	22.58	22.72	22.73	22.52	0.1786
15	1	11		22.53	22.69	22.73		
15	12	0		20.67	20.88	20.82		
Limit	ERP < 3W			Result			Pass	

LTE NB IoT Band 17 Maximum Average Power [dBm] (GT - LC = 1.66 dB)								
Sub-carrier Spacing [kHz]	Number of Tones		Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3.75	1	0	BPSK	22.38	22.32	22.26	21.89	0.1545
3.75	1	47		22.27	22.33	22.21		
3.75	1	0	QPSK	22.27	22.33	22.25	21.87	0.1538
3.75	1	47		22.28	22.36	22.27		
15	1	0	BPSK	22.33	22.40	22.24	21.91	0.1552
15	1	11		22.30	22.32	22.17		
15	1	0	QPSK	22.34	22.37	22.20	21.88	0.1542
15	1	11		22.31	22.25	22.18		
15	12	0		20.40	20.42	20.35		
Limit	ERP < 3W			Result			Pass	

LTE NB IoT Band 25 Maximum Average Power [dBm] (GT - LC = 2.25 dB)								
Sub-carrier Spacing [kHz]	Number of Tones		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3.75	1	0	BPSK	22.15	22.06	22.21	24.46	0.2793
3.75	1	47		22.06	22.05	22.18		
3.75	1	0	QPSK	22.04	22.10	22.25	24.50	0.2818
3.75	1	47		22.07	22.06	22.18		
15	1	0	BPSK	22.09	22.04	22.28	24.53	0.2838
15	1	11		22.08	22.02	22.26		
15	1	0	QPSK	22.11	22.01	22.28	24.53	0.2838
15	1	11		22.10	22.03	22.24		
15	12	0		20.16	20.08	20.31		
Limit	EIRP < 2W			Result			Pass	

Part 22H LTE NB IoT Band 26 Maximum Average Power [dBm] (GT - LC = 0.6 dB)								
Sub-carrier Spacing [kHz]	Number of Tones		Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3.75	1	0	BPSK	20.92	21.27	20.73	19.72	0.0938
3.75	1	47		20.88	20.57	20.62		
3.75	1	0	QPSK	20.95	20.68	20.71	19.56	0.0904
3.75	1	47		20.88	21.11	20.63		
15	1	0	BPSK	22.70	22.72	22.66	21.17	0.1309
15	1	11		22.65	22.68	22.66		
15	1	0	QPSK	22.65	22.67	22.66	21.12	0.1294
15	1	11		22.66	22.64	22.63		
15	12	0		20.91	20.90	20.75		
Limit	ERP < 7W			Result			Pass	

Part 90S LTE NB IoT Band 26 Maximum Average Power [dBm] (GT - LC = 0.6 dB)								
Sub-carrier Spacing [kHz]	Number of Tones		Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3.75	1	0	BPSK	20.92	21.29	21.37	19.82	0.0959
3.75	1	47		20.83	20.68	21.09		
3.75	1	0	QPSK	20.91	20.75	20.78	19.36	0.0863
3.75	1	47		20.84	20.69	20.72		
15	1	0	BPSK	22.81	22.73	22.67	21.26	0.1337
15	1	11		22.74	22.73	22.64		
15	1	0	QPSK	22.72	22.72	22.78	21.23	0.1327
15	1	11		22.74	22.73	22.75		
15	12	0		20.95	20.90	20.99		
Limit	ERP < 100W			Result			Pass	

LTE NB IoT Band 26 Straddle Maximum Average Power [dBm] (GT - LC =0.6 dB)								
Sub-carrier Spacing [kHz]	Number of Tones		Mod	Lowest	Middle	Highest	ERP (dBm)	ERP (W)
3.75	1	0	BPSK	-	21.37	-	19.82	0.0959
3.75	1	47		-	20.69	-		
3.75	1	0	QPSK	-	20.76	-	19.21	0.0834
3.75	1	47		-	20.69	-		
15	1	0	BPSK	-	22.71	-	21.16	0.1306
15	1	11		-	22.66	-		
15	12	0		-	22.67	-		
15	1	0	QPSK	-	22.65	-	21.1	0.1288
15	1	11		-	20.96	-		
Limit	ERP < 7W			Result			Pass	

LTE NB IoT Band 66 Maximum Average Power [dBm] (GT - LC = 1.48 dB)								
Sub-carrier Spacing [kHz]	Number of Tones		Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP (W)
3.75	1	0	BPSK	22.30	22.20	22.40	23.88	0.2443
3.75	1	47		22.29	22.23	22.31		
3.75	1	0	QPSK	22.39	22.29	22.38	23.87	0.2438
3.75	1	47		22.32	22.24	22.31		
15	1	0	BPSK	22.29	22.19	22.36	23.84	0.2421
15	1	11		22.30	22.20	22.30		
15	1	0	QPSK	22.33	22.20	22.30	23.81	0.2404
15	1	11		22.25	22.18	22.24		
15	12	0		20.45	20.33	20.31		
Limit	EIRP < 1W			Result			Pass	



Appendix B. Test Results of Radiated Test

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 Cat M1 B5	Part 22H	H	1679	-58.17	RMS	25.10	-33.69	0.30	-95.23	45.35	-13.00	-45.17	V	0
3	LTE Cat M1 B26	Part 22H	H	1679	-56.35	RMS	25.10	-28.10	0.30	-95.23	41.58	-13.00	-43.35	V	0
1	LTE Cat M1 B2	Part 24E	L	7404	-49.23	RMS	36.30	-21.65	0.19	-95.23	31.16	-13.00	-36.23	H	0
3	LTE Cat M1 B25	Part 24E	L	7425	-49.44	RMS	36.30	-21.65	0.18	-95.23	30.96	-13.00	-36.44	V	0
1	LTE Cat M1 B12	Part 27H	L	1399	-46.80	RMS	25.62	-29.28	0.41	-95.23	51.68	-13.00	-33.80	V	0
1	LTE Cat M1 B13	Part 27F	H	1565	-57.78	RMS	25.30	-28.42	0.34	-95.23	40.23	-42.15	-15.63	V	0
1	LTE Cat M1 B4	Part 27L	M	6900	-50.38	RMS	35.80	-21.99	0.34	-95.23	30.70	-13.00	-37.38	V	0
3	LTE Cat M1 B66	Part 27L	H	7050	-49.95	RMS	35.90	-21.72	0.31	-95.23	30.80	-13.00	-36.95	H	0
1	LTE Cat M1 B26	Part 90S	M	1634	-58.12	RMS	25.16	-28.22	0.31	-95.23	39.86	-13.00	-45.12	H	0

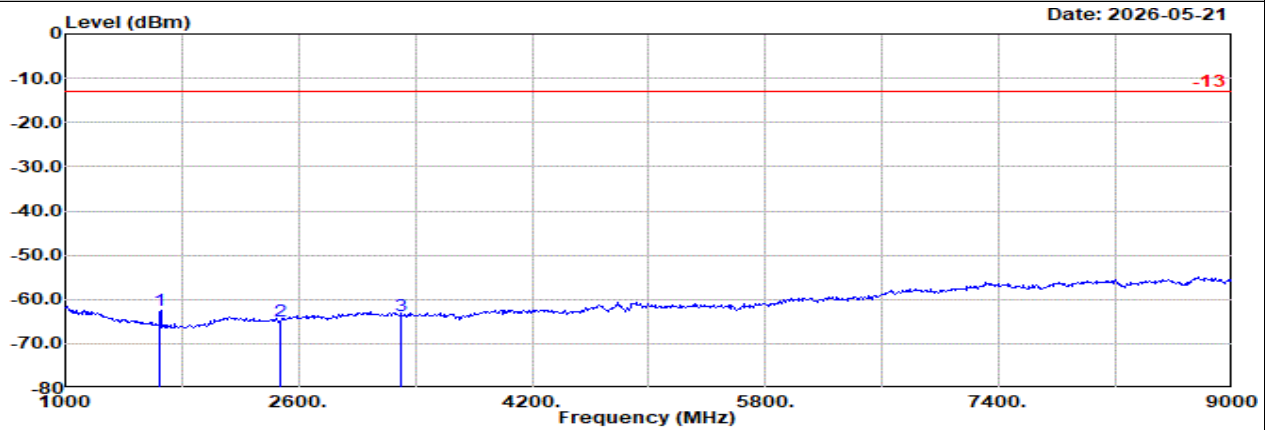


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Part 22H Mode 1

LTE Cat M1 B5 10M Ch20450 1RB0 QPSK

L

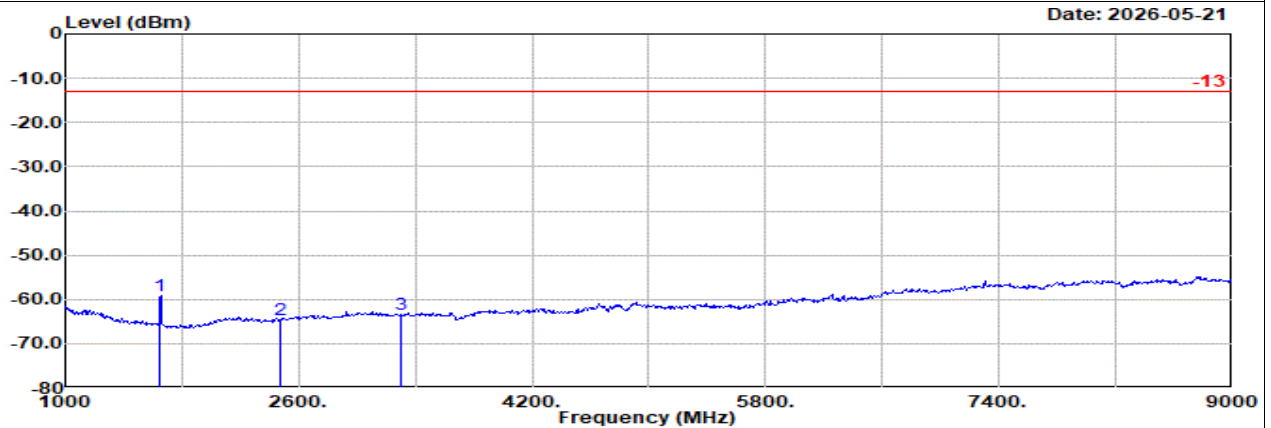


Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Horizontal

: LTE Cat M1 Band 5 10M Ch20450 1RB0 QPSK

	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	1649.18	-62.57	RMS		24.92	-33.72	0.31 -95.23	41.15	-13.00	-49.57	Horizontal
2	2473.77	-65.03	RMS		27.60	-33.01	0.23 -95.23	35.38	-13.00	-52.03	Horizontal
3	3298.36	-63.62	RMS		29.50	-33.01	0.24 -95.23	34.88	-13.00	-50.62	Horizontal



Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Vertical

: LTE Cat M1 Band 5 10M Ch20450 1RB0 QPSK

	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	1649.18	-59.29	RMS		24.92	-33.72	0.31 -95.23	44.43	-13.00	-46.29	Vertical
2	2473.77	-64.64	RMS		27.60	-33.01	0.23 -95.23	35.77	-13.00	-51.64	Vertical
3	3298.36	-63.52	RMS		29.50	-33.01	0.24 -95.23	34.98	-13.00	-50.52	Vertical

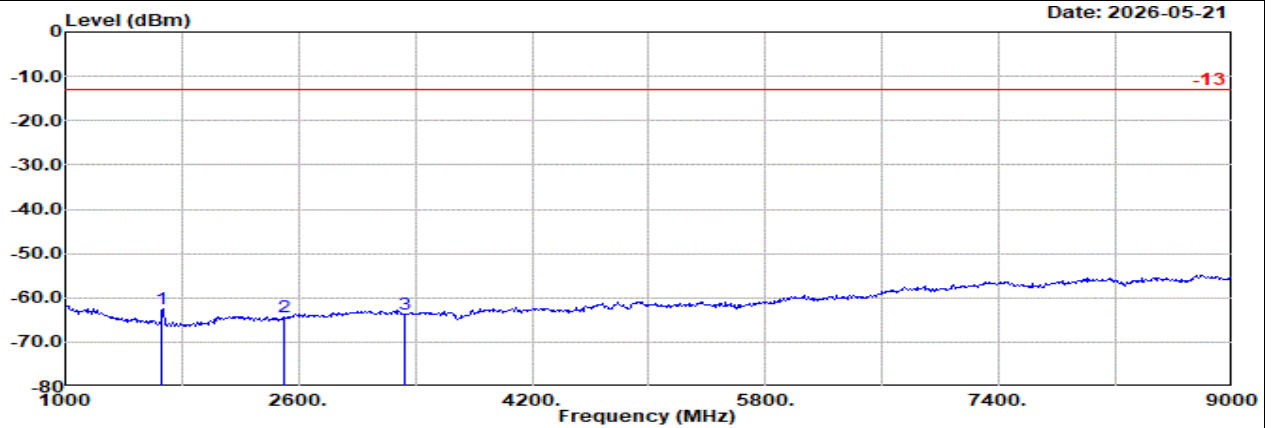


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Part 22H Mode 1

LTE Cat M1 B5 10M Ch20525 1RB0 QPSK

M

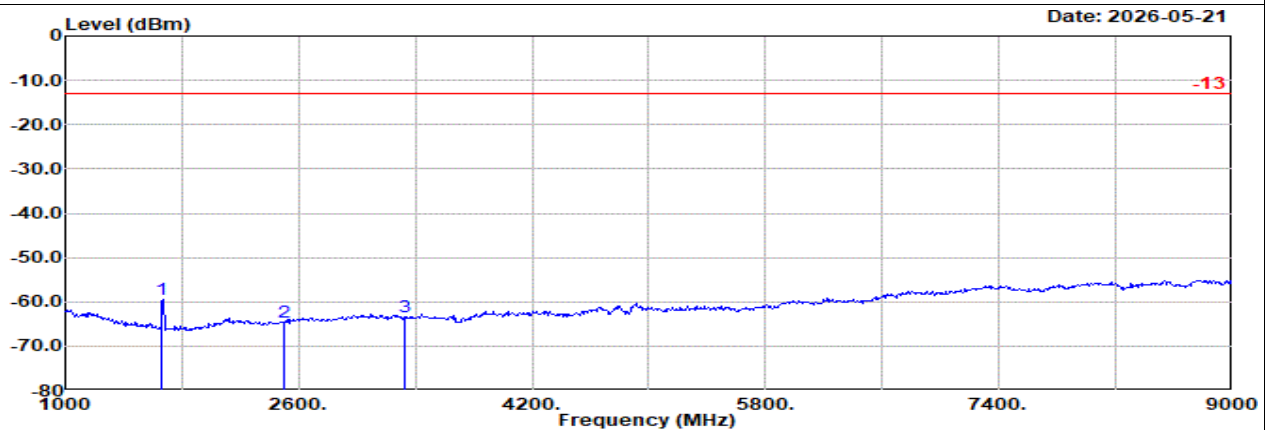


Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Horizontal

: LTE Cat M1 Band 5 10M Ch20525 1RB0 QPSK

	Freq		Level	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz		dBm		Factor	1			g			
	MHz		dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1664.18	-62.36	RMS		25.04	-33.71	0.30	-95.23	41.24	-13.00	-49.36	Horizontal
2	2496.27	-64.37	RMS		27.80	-32.99	0.23	-95.23	35.82	-13.00	-51.37	Horizontal
3	3328.36	-63.64	RMS		29.50	-33.01	0.24	-95.23	34.86	-13.00	-50.64	Horizontal



Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Vertical

: LTE Cat M1 Band 5 10M Ch20525 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	1664.18	-59.42	RMS		25.04	-33.71	0.30	-95.23	44.18	-13.00	-46.42	Vertical
2	2496.27	-64.69	RMS		27.80	-32.99	0.23	-95.23	35.50	-13.00	-51.69	Vertical
3	3328.36	-63.52	RMS		29.50	-33.01	0.24	-95.23	34.98	-13.00	-50.52	Vertical

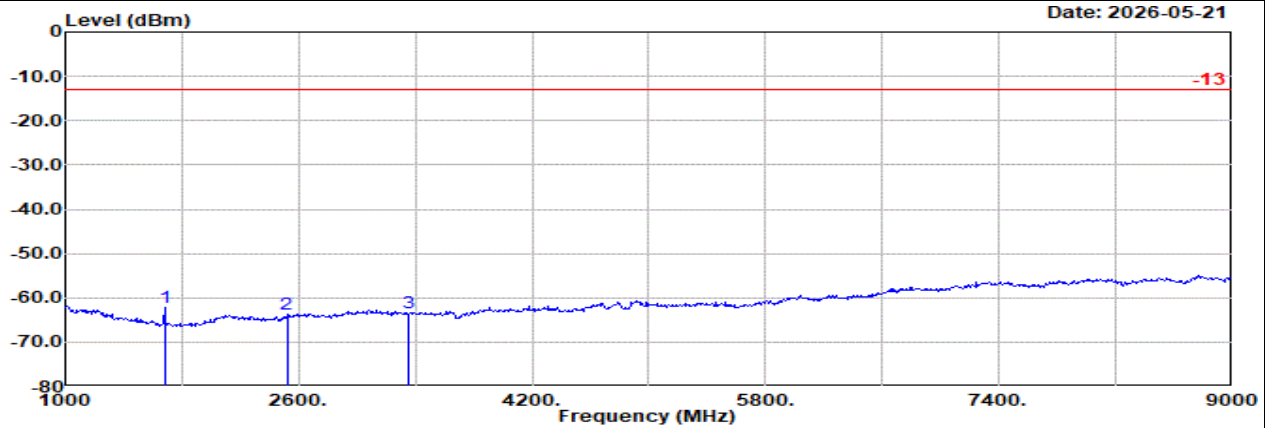


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Part 22H Mode 1

LTE Cat M1 B5 10M Ch20600 1RB0 QPSK

H

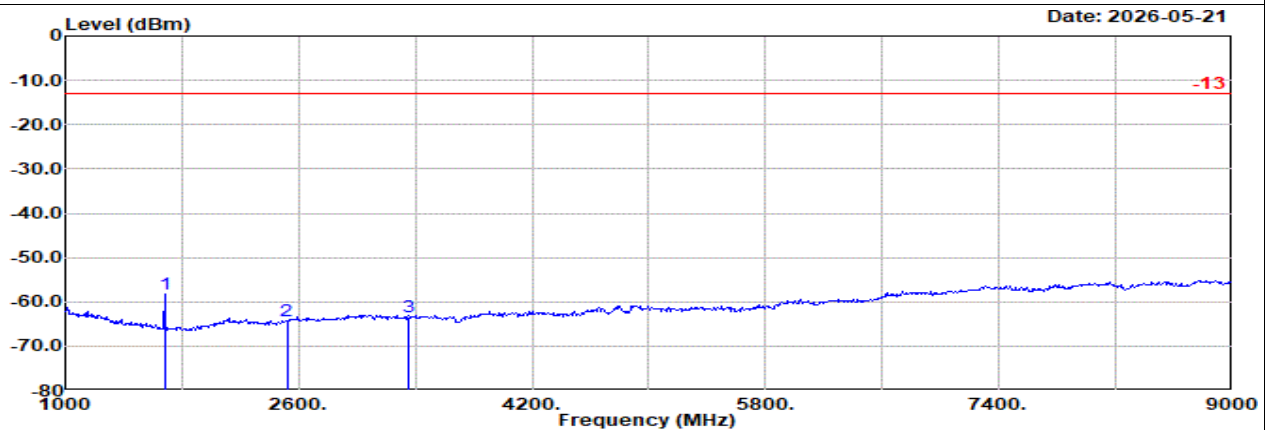


Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Horizontal

: LTE Cat M1 Band 5 10M Ch20600 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
1	1679.18	-62.14	RMS	25.10	-33.69	0.30 -95.23	41.38	-13.00	-49.14	Horizontal
2	2518.77	-63.64	RMS	27.90	-32.99	0.23 -95.23	36.45	-13.00	-50.64	Horizontal
3	3358.36	-63.45	RMS	29.50	-33.01	0.24 -95.23	35.05	-13.00	-50.45	Horizontal



Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Vertical

: LTE Cat M1 Band 5 10M Ch20600 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
1	1679.18	-58.17	RMS	25.10	-33.69	0.30 -95.23	45.35	-13.00	-45.17	Vertical
2	2518.77	-64.20	RMS	27.90	-32.99	0.23 -95.23	35.89	-13.00	-51.20	Vertical
3	3358.36	-63.29	RMS	29.50	-33.01	0.24 -95.23	35.21	-13.00	-50.29	Vertical

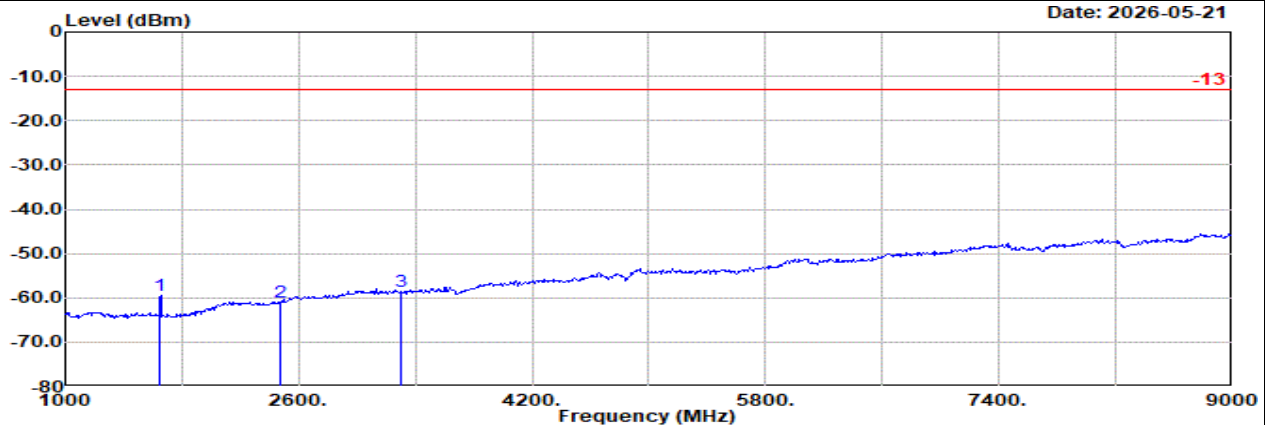


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Part 22H Mode 3

LTE Cat M1 B26 10M Ch26840 1RB0 QPSK

L

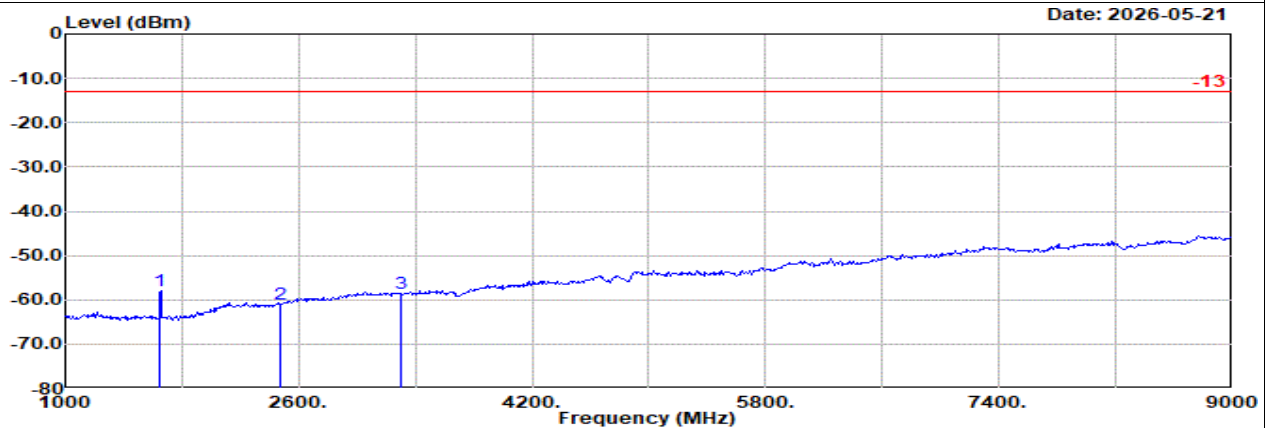


Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Horizontal

: LTE Cat M1 Band 26 10M Ch26840 1RB0 QPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF		Readin	Limit	Margin	Pol
				Factor	Amp\Cb		1					
	MHz	dBm					dB	dB	dBuV	dBm	dB	
1	1649.18	-59.38	RMS	24.92	-28.18	0.31	-95.23	38.80	-13.00	-46.38	Horizontal	
2	2473.77	-60.85	RMS	27.60	-26.24	0.23	-95.23	32.79	-13.00	-47.85	Horizontal	
3	3298.36	-58.67	RMS	29.50	-25.13	0.24	-95.23	31.95	-13.00	-45.67	Horizontal	



Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Vertical

: LTE Cat M1 Band 26 10M Ch26840 1RB0 QPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF		Readin	Limit	Margin	Pol
				Factor	Amp\Cb		1					
	MHz	dBm					dB	dB	dBuV	dBm	dB	
1	1649.18	-57.91	RMS	24.92	-28.18	0.31	-95.23	40.27	-13.00	-44.91	Vertical	
2	2473.77	-61.11	RMS	27.60	-26.24	0.23	-95.23	32.53	-13.00	-48.11	Vertical	
3	3298.36	-58.71	RMS	29.50	-25.13	0.24	-95.23	31.91	-13.00	-45.71	Vertical	

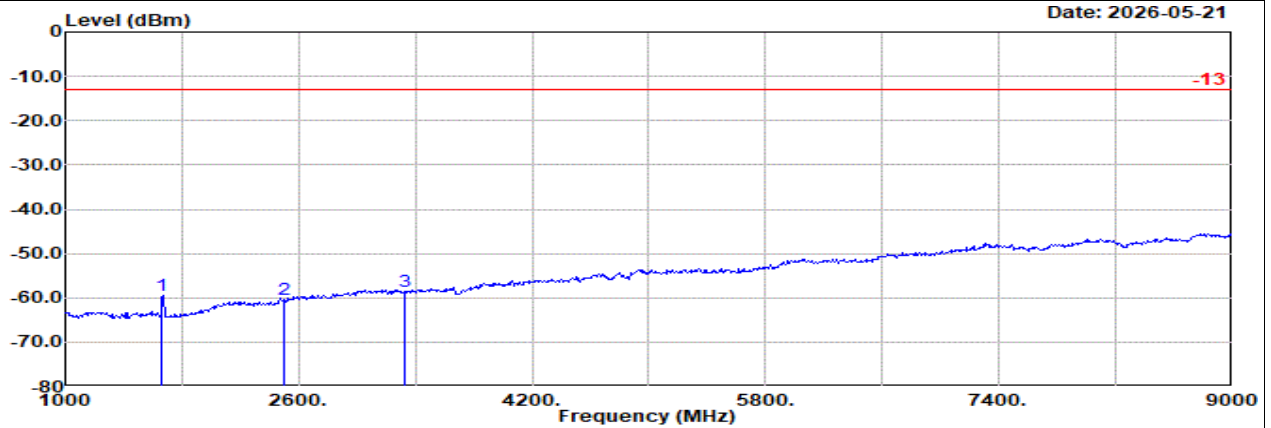


Ant. 0

Part 22H Mode 3

LTE Cat M1 B26 10M Ch26915 1RB0 QPSK

M

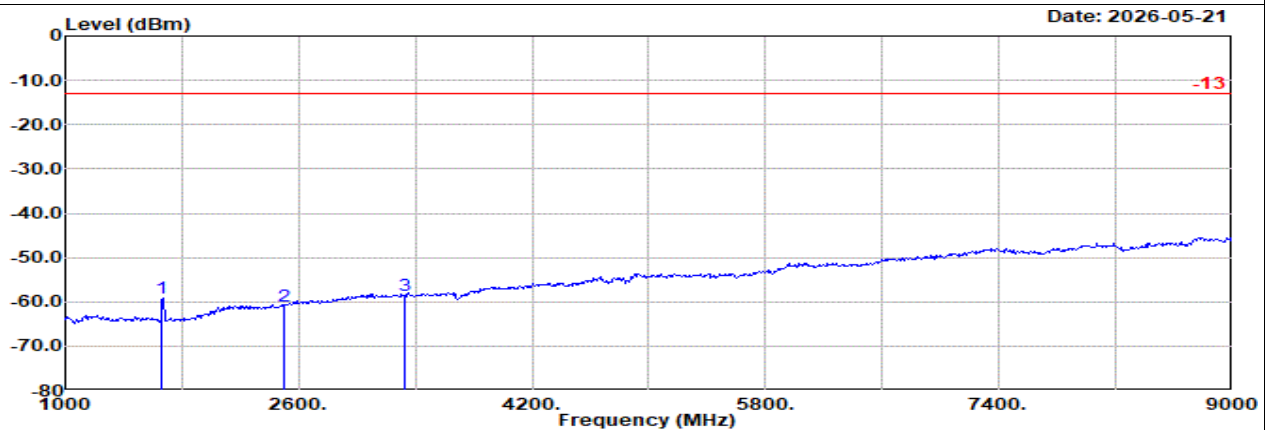


Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Horizontal

: LTE Cat M1 Band 26 10M Ch26915 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1						
1	1664.18	-59.37	RMS	25.04	-28.14	0.30	-95.23	38.66	-13.00	-46.37	Horizontal
2	2496.27	-60.44	RMS	27.80	-26.19	0.23	-95.23	32.95	-13.00	-47.44	Horizontal
3	3328.36	-58.67	RMS	29.50	-25.09	0.24	-95.23	31.91	-13.00	-45.67	Horizontal



Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Vertical

: LTE Cat M1 Band 26 10M Ch26915 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1						
1	1664.18	-59.22	RMS	25.04	-28.14	0.30	-95.23	38.81	-13.00	-46.22	Vertical
2	2496.27	-61.00	RMS	27.80	-26.19	0.23	-95.23	32.39	-13.00	-48.00	Vertical
3	3328.36	-58.56	RMS	29.50	-25.09	0.24	-95.23	32.02	-13.00	-45.56	Vertical

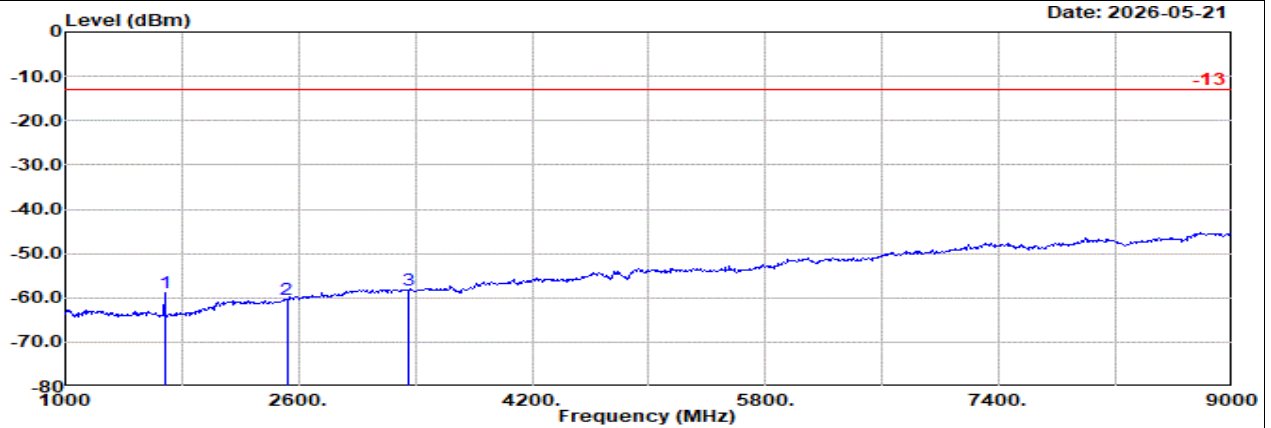


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Part 22H Mode 3

LTE Cat M1 B26 10M Ch26990 1RB0 QPSK

H

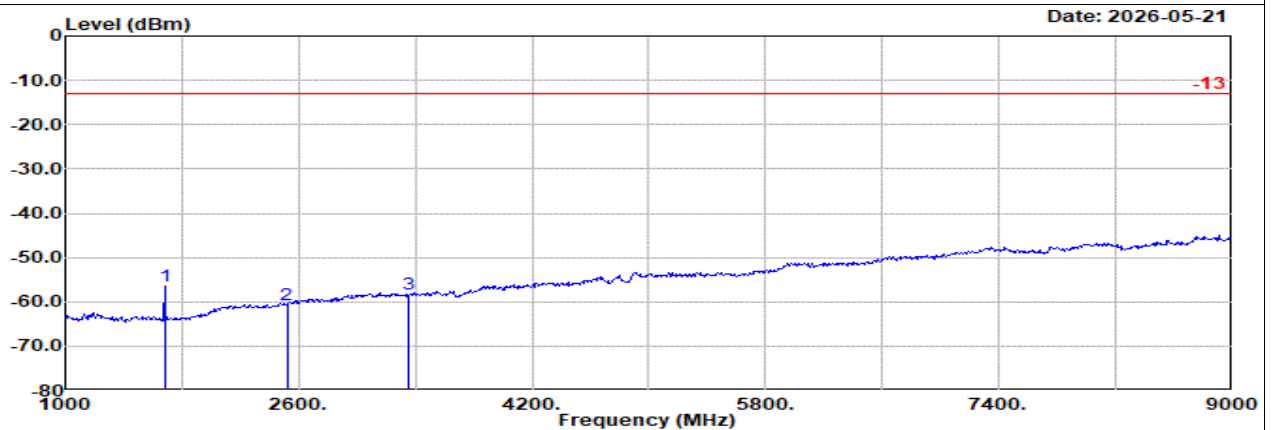


Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Horizontal

: LTE Cat M1 Band 26 10M Ch26990 1RB0 QPSK

	Freq	Level	Detector	Ant	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	1				g		
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1679.18	-58.84	RMS	25.10	-28.10	0.30	-95.23	39.09	-13.00	-45.84	Horizontal
2	2518.77	-60.39	RMS	27.90	-26.16	0.23	-95.23	32.87	-13.00	-47.39	Horizontal
3	3358.36	-58.33	RMS	29.50	-25.05	0.24	-95.23	32.21	-13.00	-45.33	Horizontal



Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Vertical

: LTE Cat M1 Band 26 10M Ch26990 1RB0 QPSK

	Freq	Level	Detector	Ant	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		Factor	1	dB		dB	g		
1	1679.18	-56.35	RMS	25.10	-28.10	0.30	-95.23	41.58	-13.00	-43.35	Vertical
2	2518.77	-60.53	RMS	27.90	-26.16	0.23	-95.23	32.73	-13.00	-47.53	Vertical
3	3358.36	-58.39	RMS	29.50	-25.05	0.24	-95.23	32.15	-13.00	-45.39	Vertical

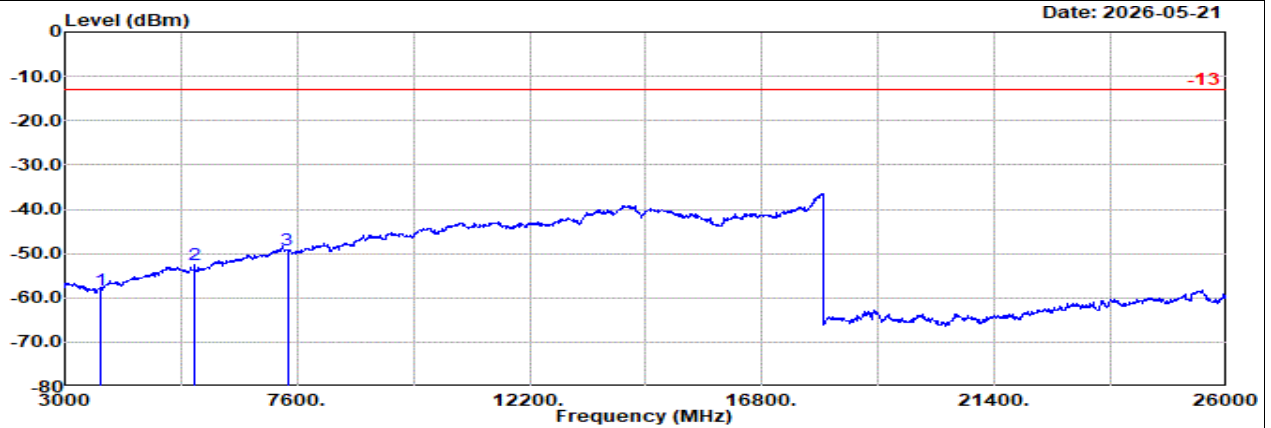


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Part 24E Mode 1

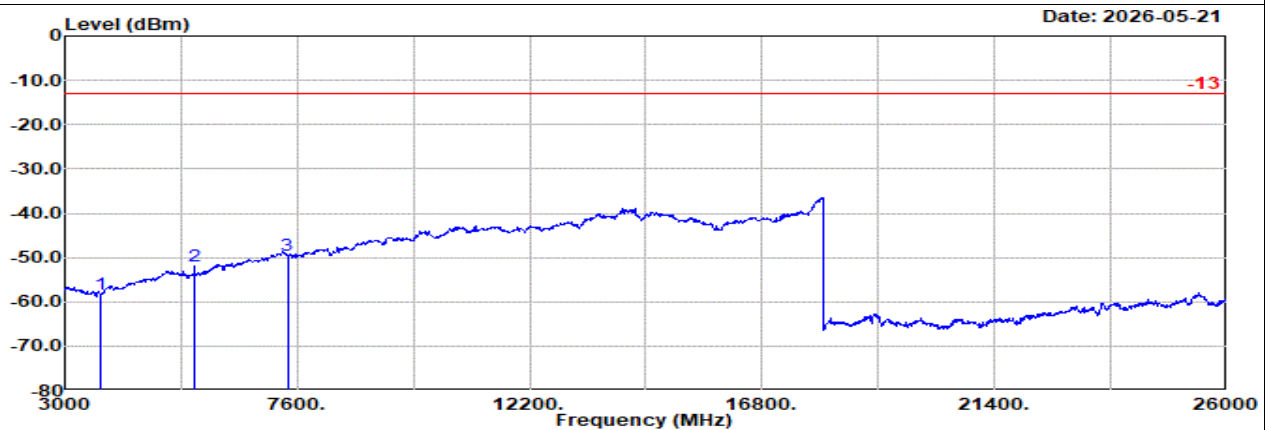
LTE Cat M1 B2 20M Ch18700 1RB0 QPSK

L



Site : 03CH11-HY
Condition: -13 3m 9120D_01620_250915 Horizontal
: LTE Band 2 20M Ch18700 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
1	3702.00	-58.24	RMS	29.61	-24.56	0.90 -95.23	0.00	-13.00	-45.24	Horizontal
2	5553.00	-52.53	RMS	32.79	-22.29	0.91 -95.23	31.29	-13.00	-39.53	Horizontal
3	7404.00	-49.23	RMS	36.30	-21.65	0.19 -95.23	31.16	-13.00	-36.23	Horizontal



Site : 03CH11-HY
Condition: -13 3m 9120D_01620_250915 Vertical
: LTE Band 2 20M Ch18700 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
1	3702.00	-58.15	RMS	29.61	-24.56	0.90 -95.23	31.13	-13.00	-45.15	Vertical
2	5553.00	-51.78	RMS	32.79	-22.29	0.91 -95.23	32.04	-13.00	-38.78	Vertical
3	7404.00	-49.49	RMS	36.30	-21.65	0.19 -95.23	30.90	-13.00	-36.49	Vertical

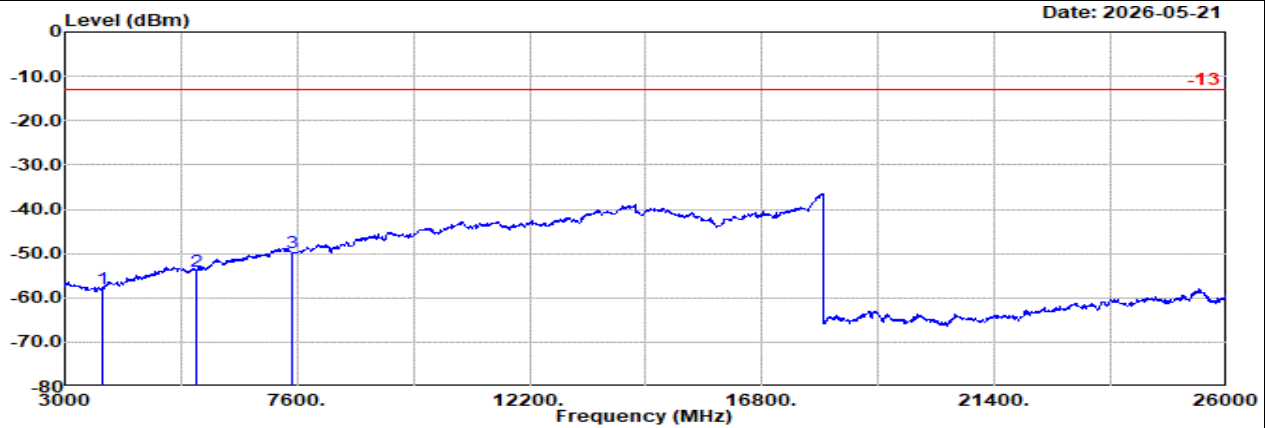


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Part 24E Mode 1

LTE Cat M1 B2 20M Ch18900 1RB0 QPSK

M

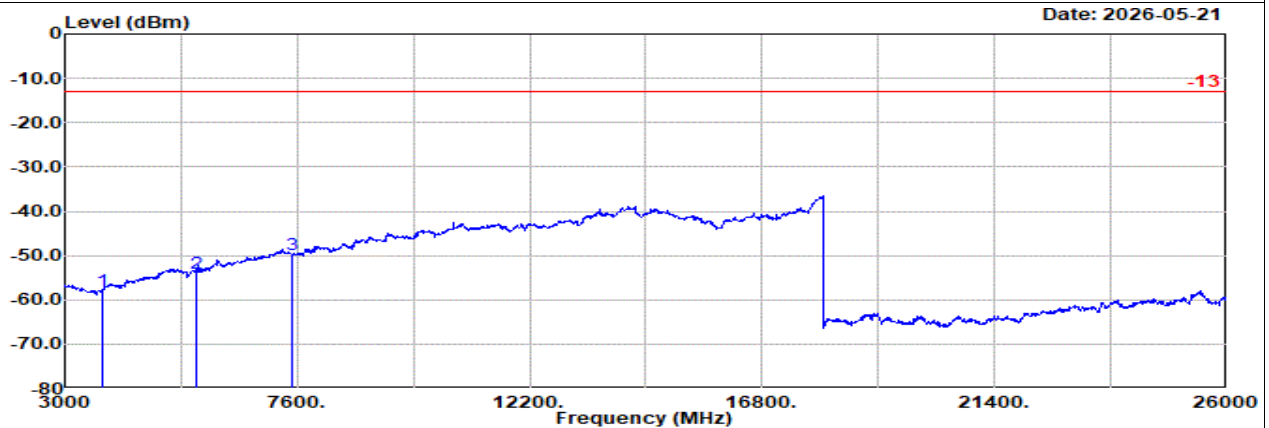


Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Horizontal

: LTE Band 2 20M Ch18900 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	3742.00	-58.05	RMS	29.85	-24.49	0.88	-95.23	30.94	-13.00	-45.05 Horizontal
2	5613.00	-53.94	RMS	32.78	-22.19	0.90	-95.23	29.80	-13.00	-40.94 Horizontal
3	7484.00	-49.70	RMS	36.16	-21.65	0.17	-95.23	30.85	-13.00	-36.70 Horizontal



Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Vertical

: LTE Band 2 20M Ch18900 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	3742.00	-58.01	RMS	29.85	-24.49	0.88	-95.23	30.98	-13.00	-45.01 Vertical
2	5613.00	-54.03	RMS	32.78	-22.19	0.90	-95.23	29.71	-13.00	-41.03 Vertical
3	7484.00	-49.80	RMS	36.16	-21.65	0.17	-95.23	30.75	-13.00	-36.80 Vertical

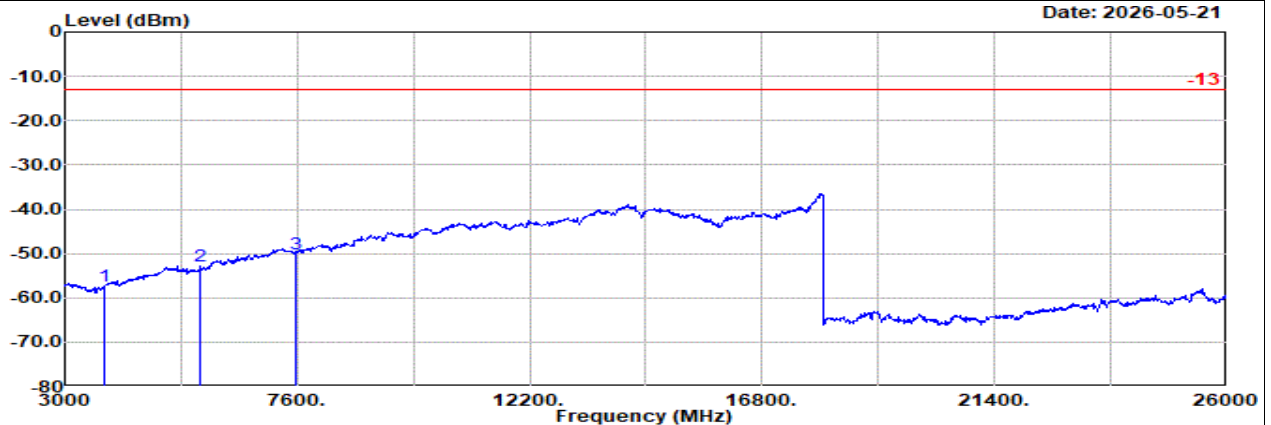


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Part 24E Mode 1

LTE Cat M1 B2 20M Ch19100 1RB0 QPSK

H

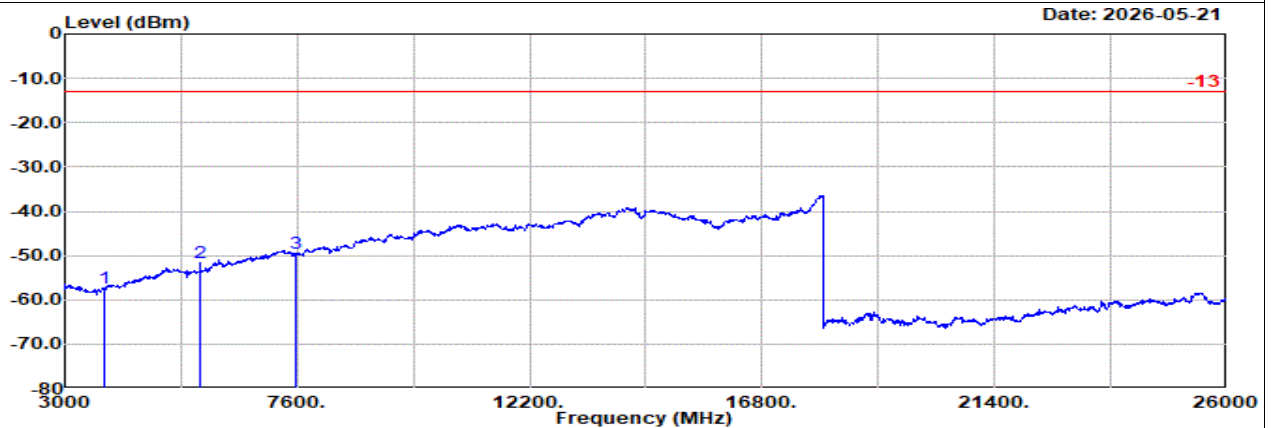


Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Horizontal

: LTE Band 2 20M Ch19100 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin Pol	
				Factor	1					
1	3782.00	-57.45	RMS	30.16	-24.42	0.87 -95.23	31.17	-13.00	-44.45	Horizontal
2	5673.00	-52.85	RMS	33.18	-22.17	0.77 -95.23	30.60	-13.00	-39.85	Horizontal
3	7564.00	-49.97	RMS	36.00	-21.62	0.15 -95.23	30.73	-13.00	-36.97	Horizontal



Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Vertical

: LTE Band 2 20M Ch19100 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin Pol	
				Factor	1					
1	3782.00	-57.30	RMS	30.16	-24.42	0.87 -95.23	31.32	-13.00	-44.30	Vertical
2	5673.00	-51.72	RMS	33.18	-22.17	0.77 -95.23	31.73	-13.00	-38.72	Vertical
3	7564.00	-49.65	RMS	36.00	-21.62	0.15 -95.23	31.05	-13.00	-36.65	Vertical

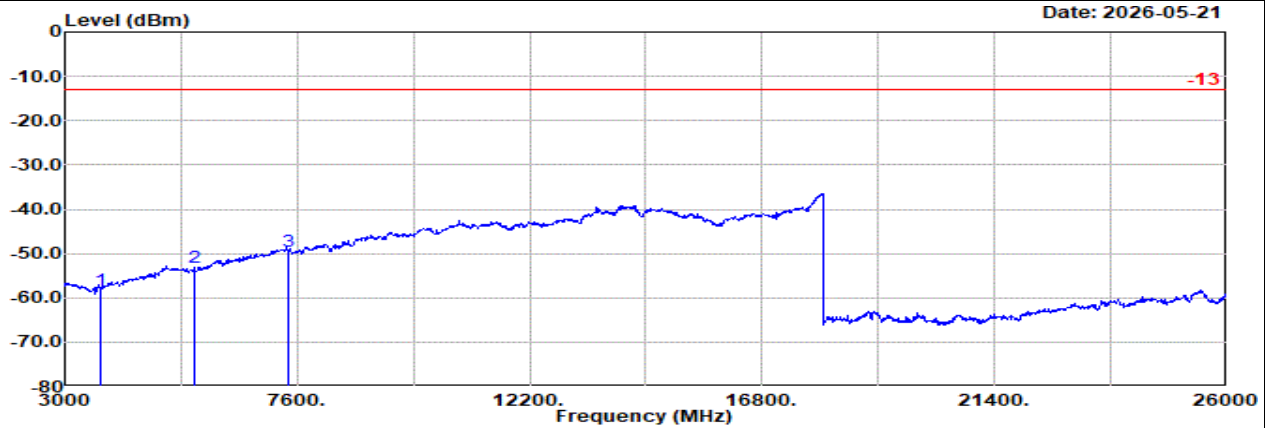


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Part 24E Mode 3

LTE Cat M1 B25 20M Ch26140 1RB0 QPSK

L

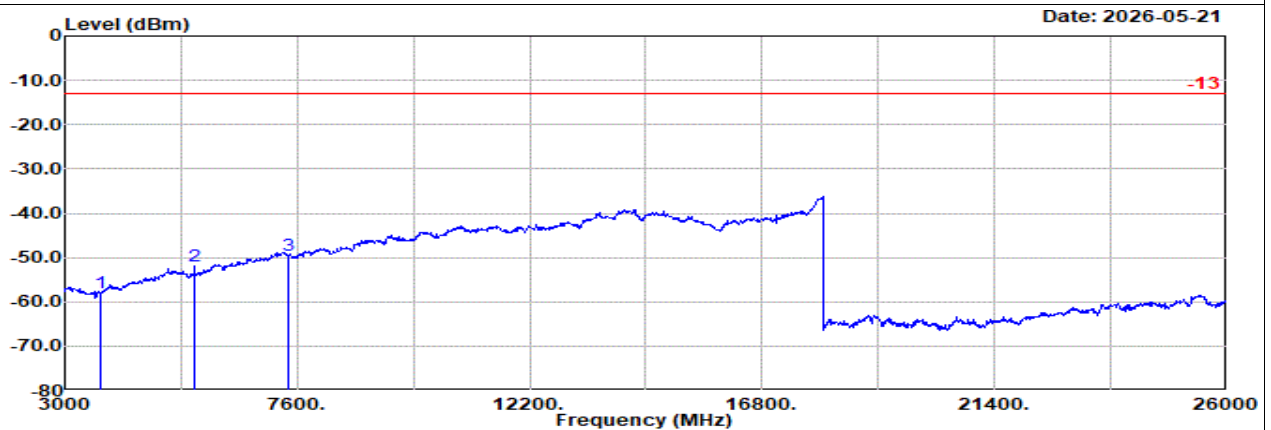


Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Horizontal

: LTE Cat M1 Band 25 20M Ch26140 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter				Readin g	Limit	Margin	Pol
				Factor	1	EIRPCF					
1	3705.00	-58.17	RMS	29.63	-24.55	0.90	-95.23	0.00	-13.00	-45.17	Horizontal
2	5565.00	-53.26	RMS	32.77	-22.27	0.92	-95.23	30.55	-13.00	-40.26	Horizontal
3	7425.00	-49.58	RMS	36.30	-21.65	0.18	-95.23	30.82	-13.00	-36.58	Horizontal



Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Vertical

: LTE Cat M1 Band 25 20M Ch26140 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter				Readin g	Limit	Margin	Pol
				Factor	1	EIRPCF					
1	3705.00	-57.87	RMS	29.63	-24.55	0.90	-95.23	31.38	-13.00	-44.87	Vertical
2	5565.00	-52.02	RMS	32.77	-22.27	0.92	-95.23	31.79	-13.00	-39.02	Vertical
3	7425.00	-49.44	RMS	36.30	-21.65	0.18	-95.23	30.96	-13.00	-36.44	Vertical

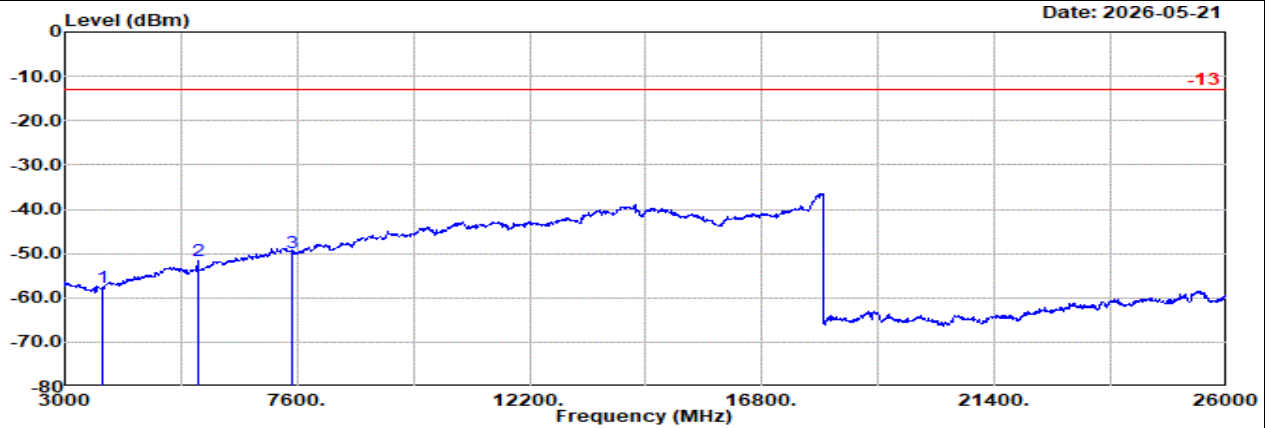


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Part 24E Mode 3

LTE Cat M1 B25 20M Ch26340 1RB0 QPSK

M

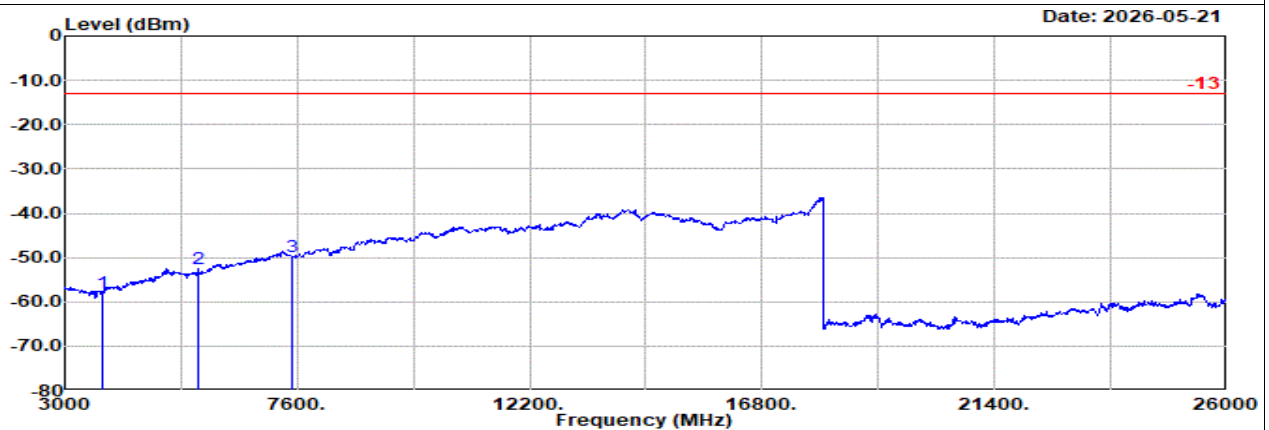


Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Horizontal

: LTE Cat M1 Band 25 20M Ch26340 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant		Filter	EIRPCF	Readin g	Limit	Margin	Pol
				Factor	Amp\Cb dB						
1	3750.00	-57.72	RMS	29.90	-24.48	0.88	-95.23	31.21	-13.00	-44.72	Horizontal
2	5625.00	-51.71	RMS	32.85	-22.19	0.88	-95.23	31.98	-13.00	-38.71	Horizontal
3	7500.00	-49.71	RMS	36.10	-21.65	0.17	-95.23	30.90	-13.00	-36.71	Horizontal



Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Vertical

: LTE Cat M1 Band 25 20M Ch26340 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant		Filter	EIRPCF	Readin g	Limit	Margin	Pol
				Factor	Amp\Cb dB						
1	3750.00	-57.94	RMS	29.90	-24.48	0.88	-95.23	30.99	-13.00	-44.94	Vertical
2	5625.00	-52.66	RMS	32.85	-22.19	0.88	-95.23	31.03	-13.00	-39.66	Vertical
3	7500.00	-49.93	RMS	36.10	-21.65	0.17	-95.23	30.68	-13.00	-36.93	Vertical



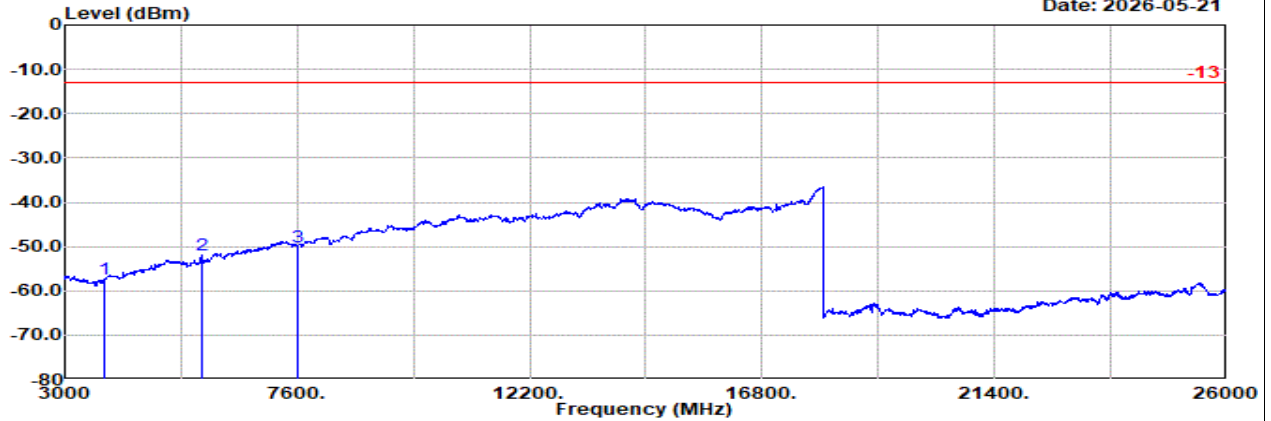
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Part 24E Mode 3

LTE Cat M1 B25 20M Ch26590 1RB0 QPSK

H

Date: 2026-05-21

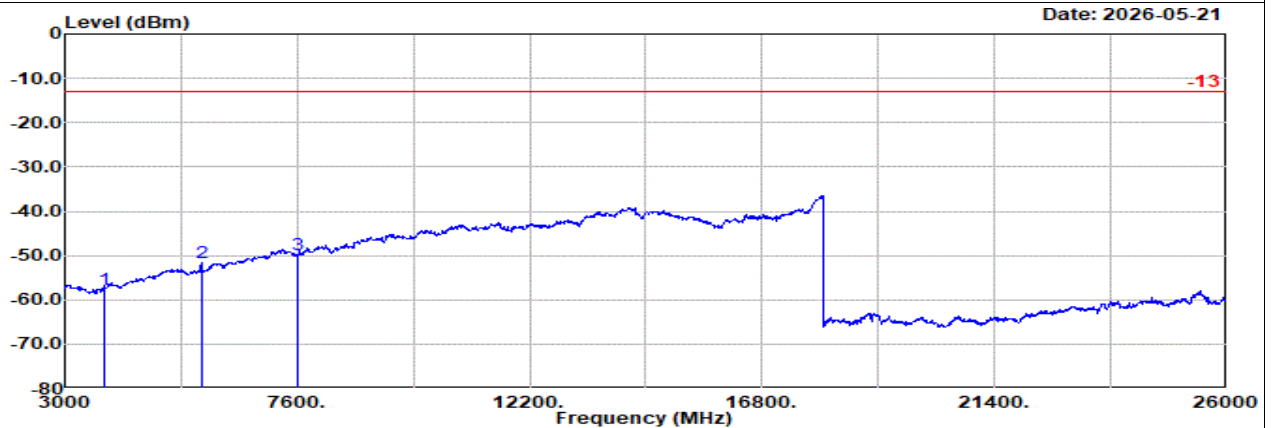


Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Horizontal

: LTE Cat M1 Band 25 20M Ch26590 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant		Filter	EIRPCF	Readin g	Limit	Margin	Pol
				Factor	Amp\Cb dB						
1	3795.00	-57.29	RMS	30.26	-24.40	0.86	-95.23	31.22	-13.00	-44.29	Horizontal
2	5700.00	-51.85	RMS	33.40	-22.16	0.71	-95.23	31.43	-13.00	-38.85	Horizontal
3	7605.00	-49.98	RMS	36.02	-21.61	0.14	-95.23	30.70	-13.00	-36.98	Horizontal



Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Vertical

: LTE Cat M1 Band 25 20M Ch26590 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant		Filter	EIRPCF	Readin g	Limit	Margin	Pol
				Factor	Amp\Cb dB						
1	3795.00	-57.74	RMS	30.26	-24.40	0.86	-95.23	30.77	-13.00	-44.74	Vertical
2	5700.00	-51.58	RMS	33.40	-22.16	0.71	-95.23	31.70	-13.00	-38.58	Vertical
3	7605.00	-49.76	RMS	36.02	-21.61	0.14	-95.23	30.92	-13.00	-36.76	Vertical

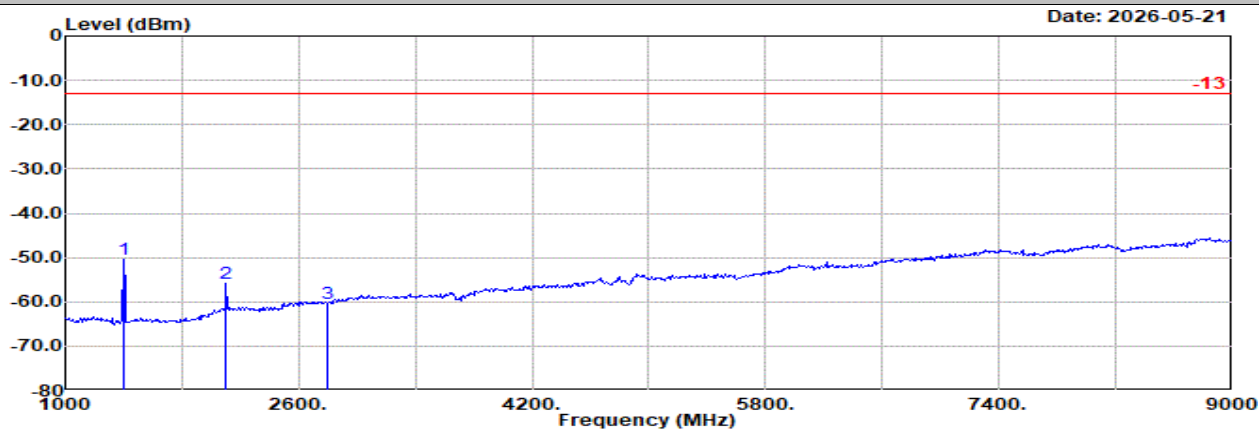


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Part 27H Mode 1

LTE Cat M1 B12 10M Ch23060 1RB0 QPSK

L

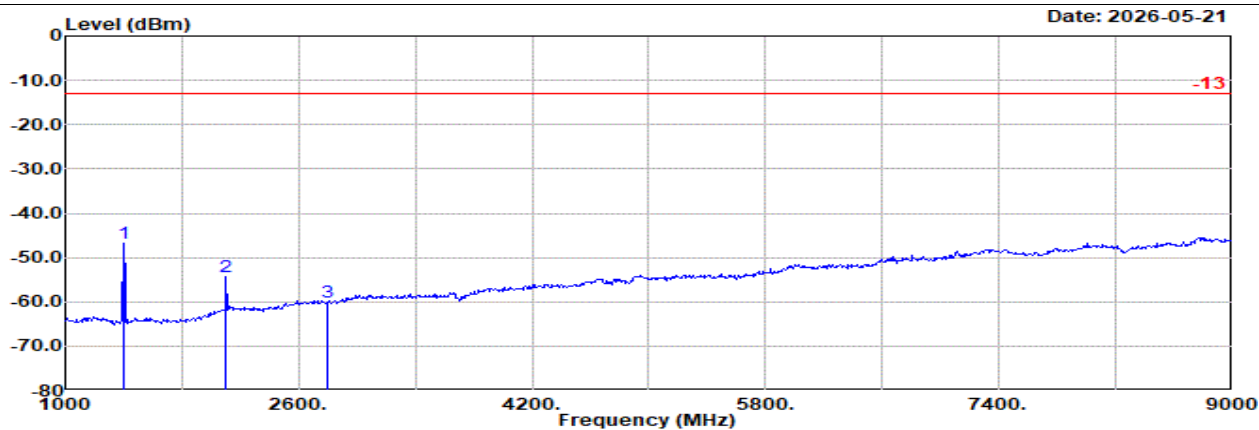


Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Horizontal

: LTE Band 12 10M Ch23060 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb		Filter	EIRPCF		Readin g	Limit	Margin	Pol
				Factor	1		dB	dB				
1	1399.00	-50.37	RMS	25.62	-29.28	0.41	-95.23	48.11	-13.00	-37.37	Horizontal	
2	2099.00	-55.88	RMS	27.20	-26.99	0.24	-95.23	38.90	-13.00	-42.88	Horizontal	
3	2798.00	-60.45	RMS	28.20	-25.80	0.18	-95.23	32.20	-13.00	-47.45	Horizontal	



Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Vertical

: LTE Band 12 10M Ch23060 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb		Filter	EIRPCF		Readin g	Limit	Margin	Pol
				Factor	1		dB	dB				
1	1399.00	-46.80	RMS	25.62	-29.28	0.41	-95.23	51.68	-13.00	-33.80	Vertical	
2	2099.00	-54.20	RMS	27.20	-26.99	0.24	-95.23	40.58	-13.00	-41.20	Vertical	
3	2798.00	-60.06	RMS	28.20	-25.80	0.18	-95.23	32.59	-13.00	-47.06	Vertical	

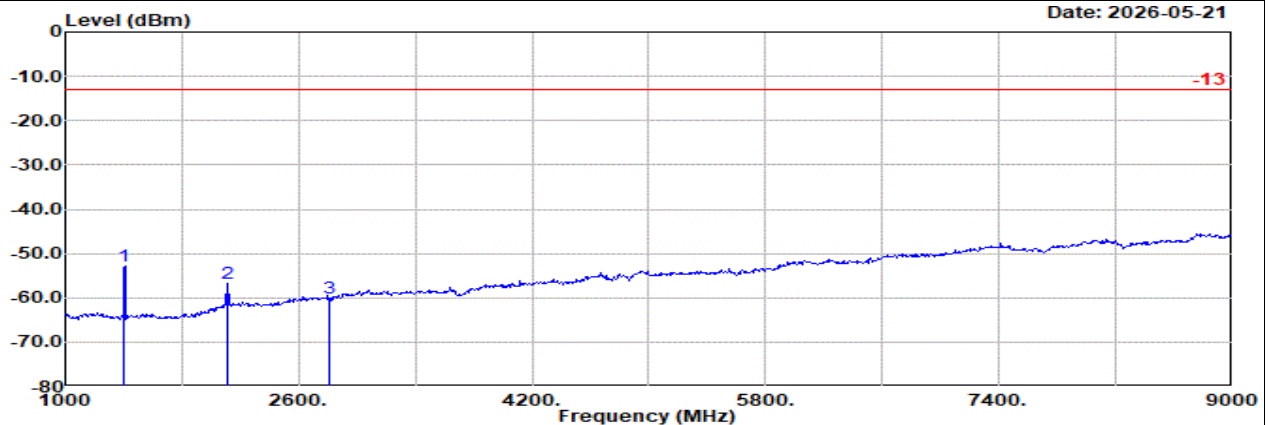


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Part 27H Mode 1

LTE Cat M1 B12 10M Ch23095 1RB0 QPSK

M

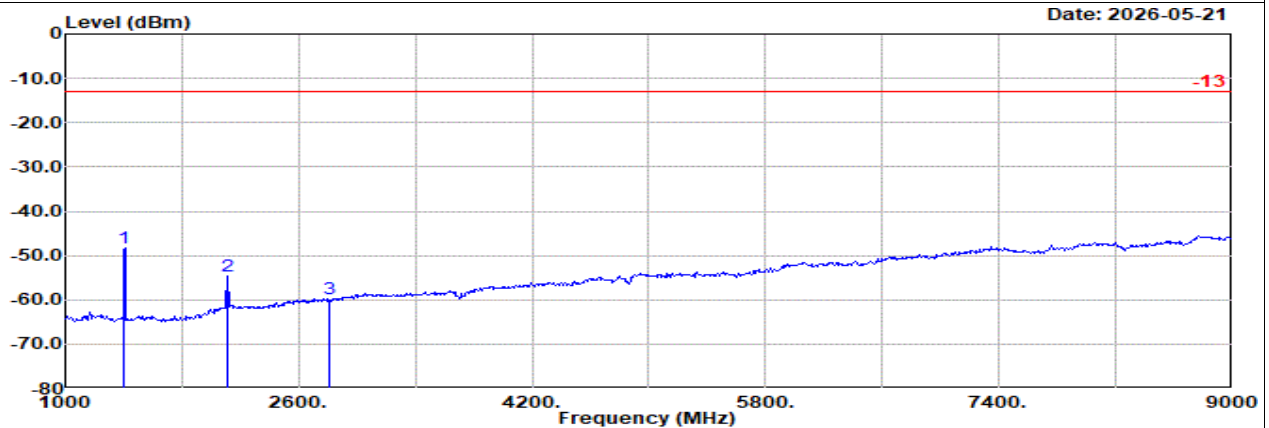


Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Horizontal

: LTE Band 12 10M Ch23095 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	1406.00	-52.93	RMS	25.54	-29.24	0.41	-95.23	45.59	-13.00	-39.93	Horizontal
2	2109.00	-56.87	RMS	27.38	-26.97	0.25	-95.23	37.70	-13.00	-43.87	Horizontal
3	2812.00	-60.22	RMS	28.20	-25.78	0.18	-95.23	32.41	-13.00	-47.22	Horizontal



Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Vertical

: LTE Band 12 10M Ch23095 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	1406.00	-48.18	RMS	25.54	-29.24	0.41	-95.23	50.34	-13.00	-35.18	Vertical
2	2109.00	-54.52	RMS	27.38	-26.97	0.25	-95.23	40.05	-13.00	-41.52	Vertical
3	2812.00	-59.80	RMS	28.20	-25.78	0.18	-95.23	32.83	-13.00	-46.80	Vertical

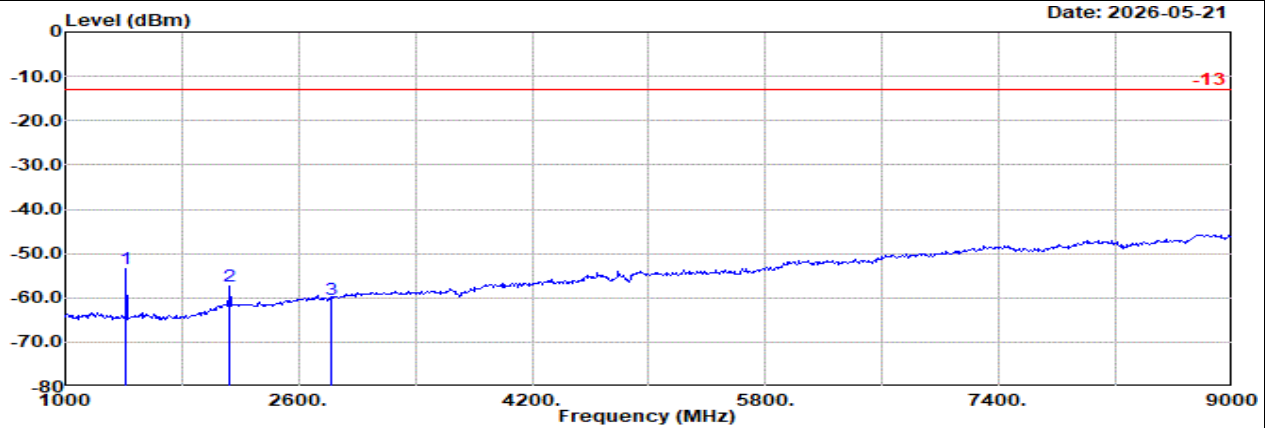


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Part 27H Mode 1

LTE Cat M1 B12 10M Ch23130 1RB0 QPSK

H

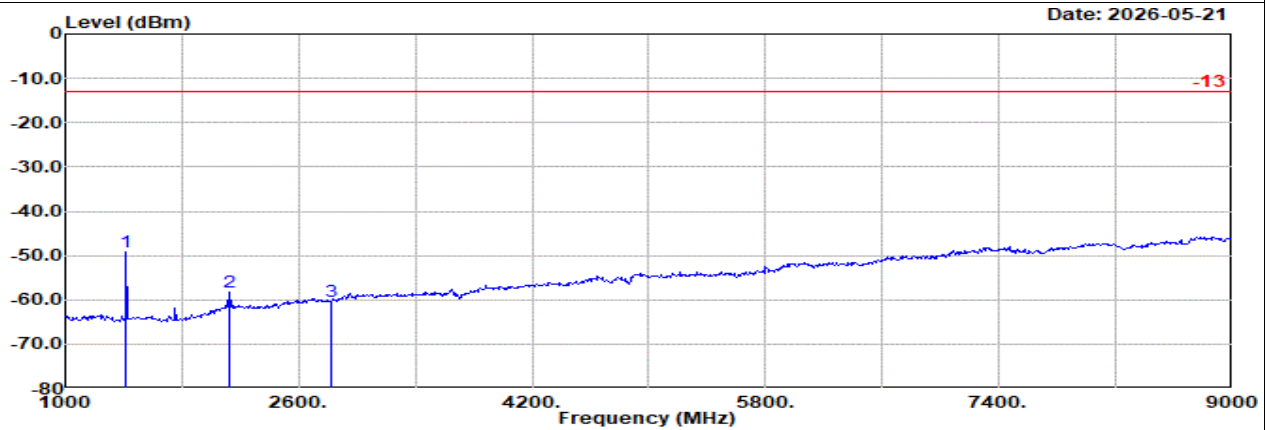


Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Horizontal

: LTE Band 12 10M Ch23130 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	1413.00	-53.34	RMS	25.47	-29.19	0.40	-95.23	45.21	-13.00	-40.34	Horizontal
2	2120.00	-57.32	RMS	27.40	-26.95	0.25	-95.23	37.21	-13.00	-44.32	Horizontal
3	2826.00	-60.46	RMS	28.26	-25.76	0.19	-95.23	32.08	-13.00	-47.46	Horizontal



Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Vertical

: LTE Band 12 10M Ch23130 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	1413.00	-49.14	RMS	25.47	-29.19	0.40	-95.23	49.41	-13.00	-36.14	Vertical
2	2120.00	-58.23	RMS	27.40	-26.95	0.25	-95.23	36.30	-13.00	-45.23	Vertical
3	2826.00	-60.33	RMS	28.26	-25.76	0.19	-95.23	32.21	-13.00	-47.33	Vertical

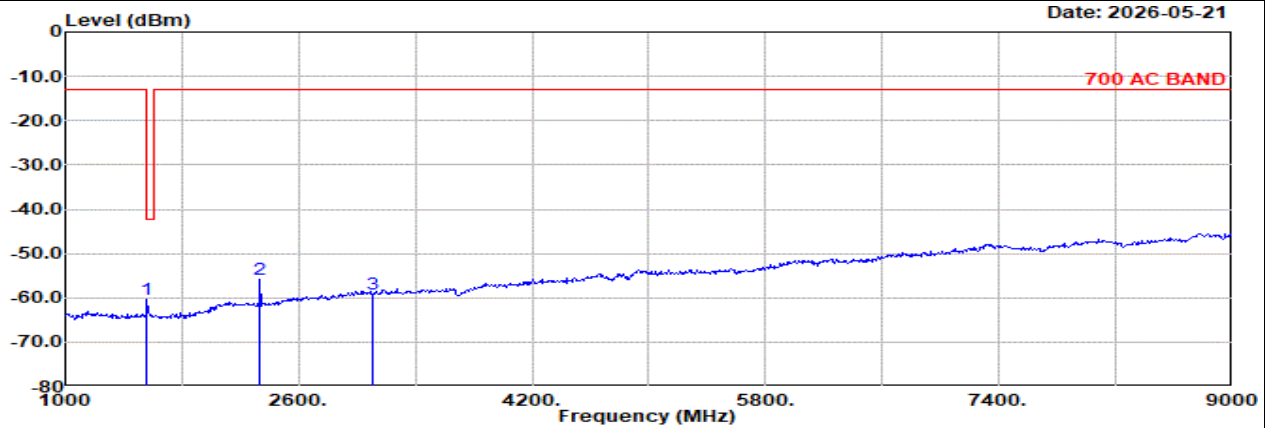


Ant. 0

Part 27F Mode 1

LTE Cat M1 B13 5M Ch23205 1RB0 QPSK

L

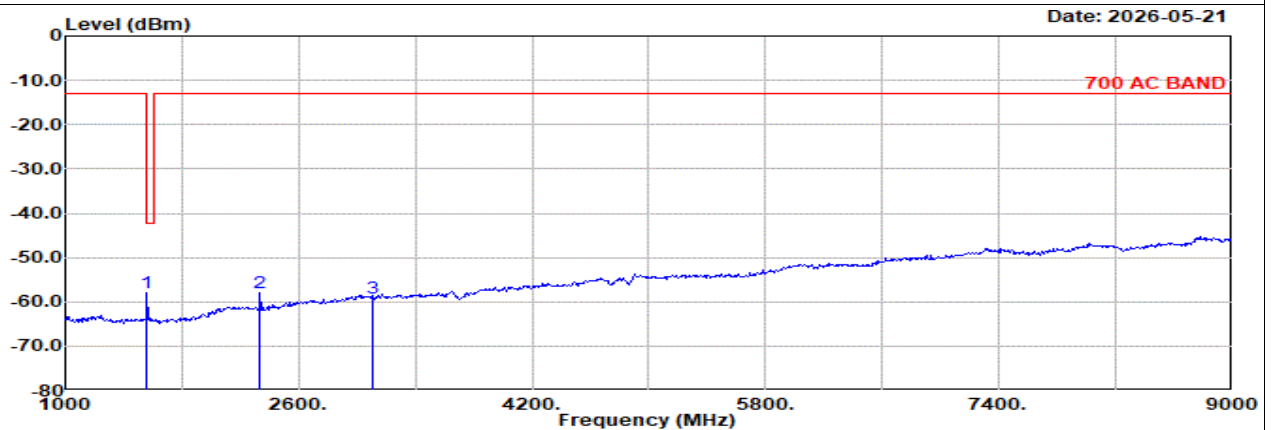


Site : 03CH11-HY

Condition: 700 AC BAND 3m 9120D_01620_250915 Horizontal

: LTE Band 13 5M Ch23205 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	1555.00	-60.30	RMS		25.30	-28.45	0.34	-95.23	37.74	-13.00	-47.30	Horizontal
2	2332.00	-55.99	RMS		27.20	-26.55	0.26	-95.23	38.33	-13.00	-42.99	Horizontal
3	3109.00	-59.10	RMS		29.62	-25.38	0.24	-95.23	31.65	-13.00	-46.10	Horizontal



Site : 03CH11-HY

Condition: 700 AC BAND 3m 9120D_01620_250915 Vertical

: LTE Band 13 5M Ch23205 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	1555.00	-58.08	RMS		25.30	-28.45	0.34	-95.23	39.96	-13.00	-45.08	Vertical
2	2332.00	-57.90	RMS		27.20	-26.55	0.26	-95.23	36.42	-13.00	-44.90	Vertical
3	3109.00	-59.08	RMS		29.62	-25.38	0.24	-95.23	31.67	-13.00	-46.08	Vertical

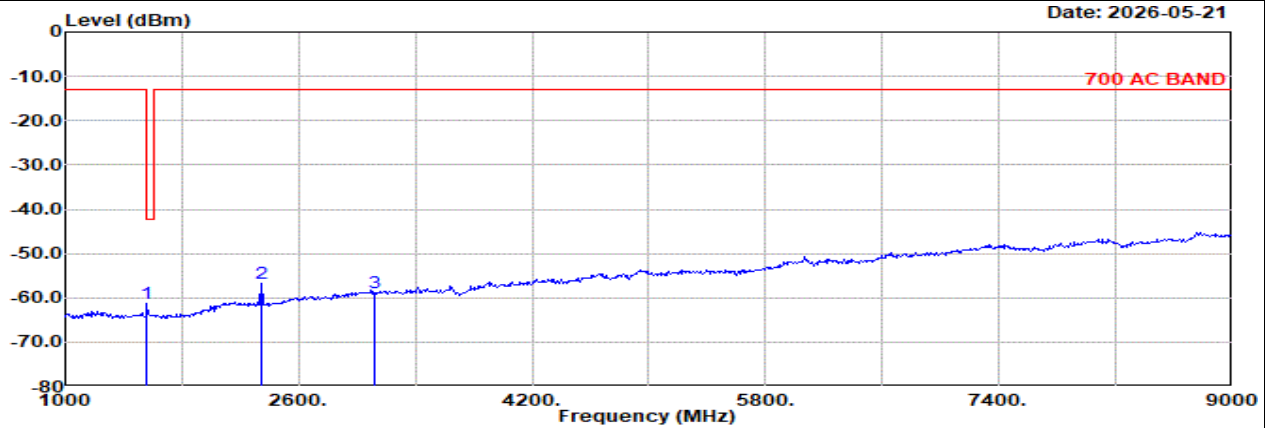


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Part 27F Mode 1

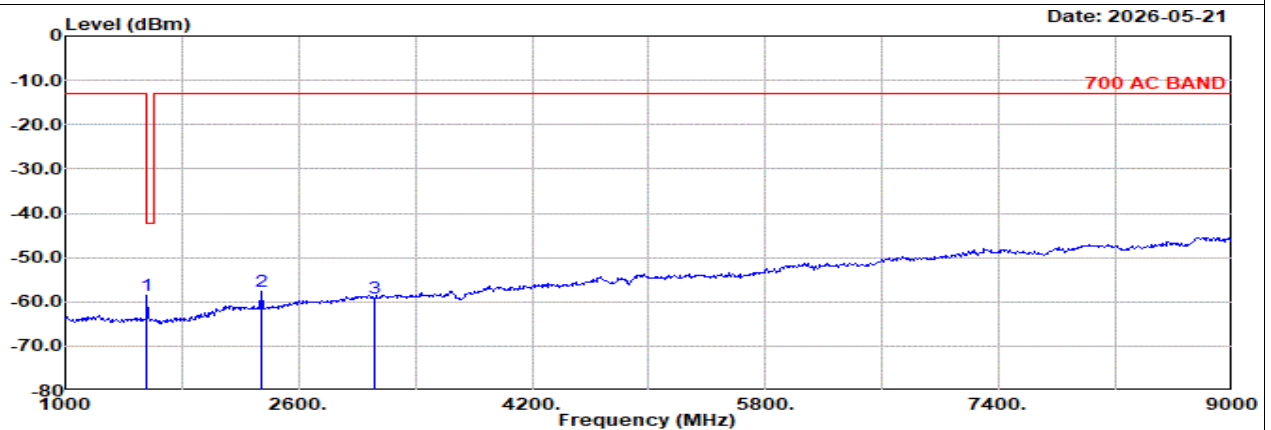
LTE Cat M1 B13 5M Ch23230 1RB0 QPSK

M



Site : 03CH11-HY
Condition: 700 AC BAND 3m 9120D_01620_250915 Horizontal
: 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	-61.23	RMS	25.30	-28.43	0.34	-95.23	36.79	-42.15	-19.08	Horizontal
2	2340.00	-56.69	RMS	27.20	-26.54	0.26	-95.23	37.62	-13.00	-43.69	Horizontal
3	3119.00	-58.97	RMS	29.64	-25.36	0.24	-95.23	31.74	-13.00	-45.97	Horizontal



Site : 03CH11-HY
Condition: 700 AC BAND 3m 9120D_01620_250915 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	-58.58	RMS	25.30	-28.43	0.34	-95.23	39.44	-42.15	-16.43	Vertical
2	2340.00	-57.65	RMS	27.20	-26.54	0.26	-95.23	36.66	-13.00	-44.65	Vertical
3	3119.00	-59.31	RMS	29.64	-25.36	0.24	-95.23	31.40	-13.00	-46.31	Vertical

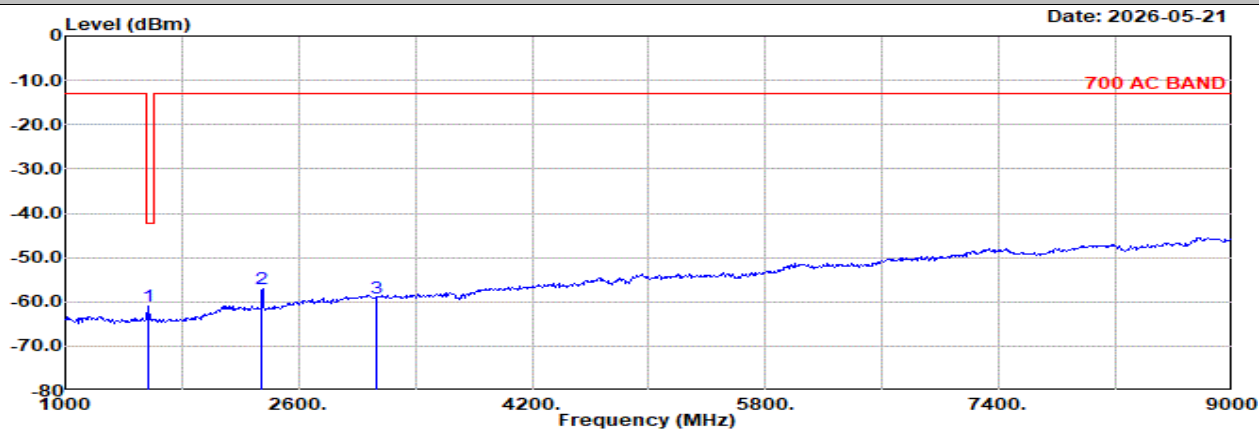


Ant. 0

Part 27F Mode 1

LTE Cat M1 B13 5M Ch23255 1RB0 QPSK

H

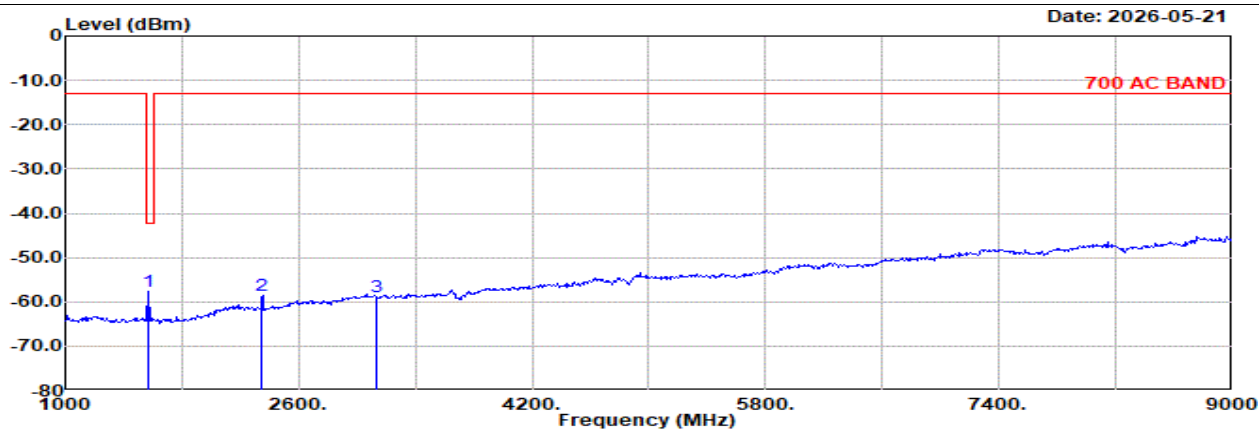


Site : 03CH11-HY

Condition: 700 AC BAND 3m 9120D_01620_250915 Horizontal

: LTE Band 13 5M Ch23255 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	1565.00	-60.93	RMS	25.30	-28.42	0.34	-95.23	37.08	-42.15	-18.78	Horizontal
2	2347.00	-56.97	RMS	27.20	-26.52	0.26	-95.23	37.32	-13.00	-43.97	Horizontal
3	3129.00	-59.04	RMS	29.66	-25.35	0.24	-95.23	31.64	-13.00	-46.04	Horizontal



Site : 03CH11-HY

Condition: 700 AC BAND 3m 9120D_01620_250915 Vertical

: LTE Band 13 5M Ch23255 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb 1	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1565.00	-57.78	RMS	25.30	-28.42	0.34	-95.23	40.23	-42.15	-15.63	Vertical
2	2347.00	-58.58	RMS	27.20	-26.52	0.26	-95.23	35.71	-13.00	-45.58	Vertical
3	3129.00	-58.89	RMS	29.66	-25.35	0.24	-95.23	31.79	-13.00	-45.89	Vertical

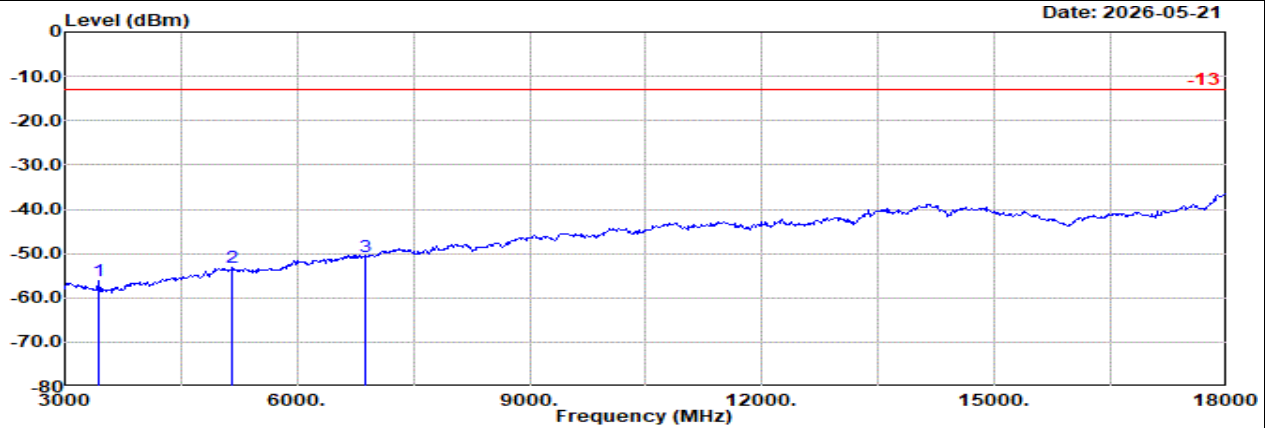


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Part 27L Mode 1

LTE Cat M1 B4 20M Ch20050 1RB0 QPSK

L

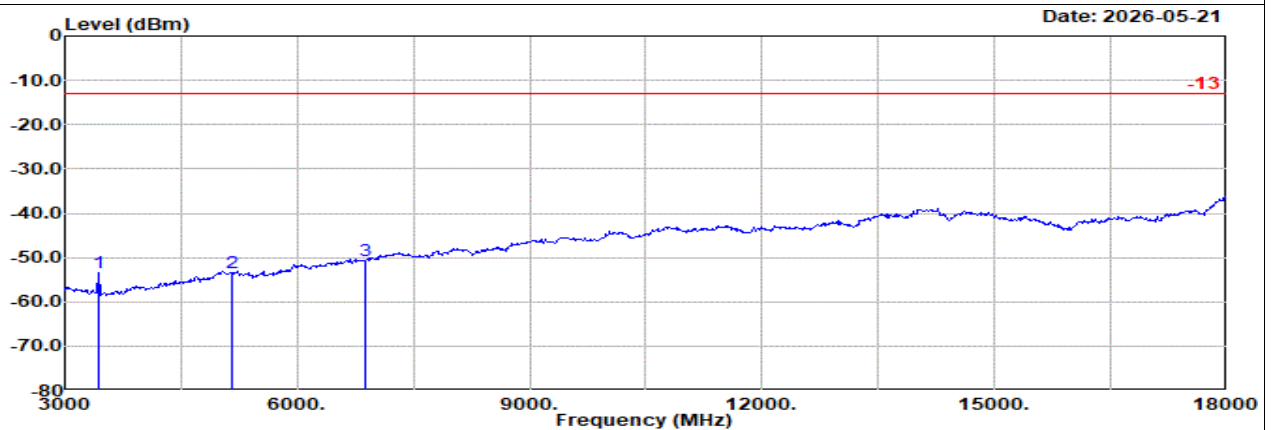


Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Horizontal

: LTE Band 4 Cat M1 20M Ch20050 1RB0 QPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	Amp\Cb						
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3435.00	-56.12	RMS	29.43	-24.96	1.04	-95.23	33.60	-13.00	-43.12	Horizontal
2	5160.00	-53.26	RMS	33.00	-22.44	0.91	-95.23	30.50	-13.00	-40.26	Horizontal
3	6870.00	-50.80	RMS	35.74	-22.06	0.35	-95.23	30.40	-13.00	-37.80	Horizontal



Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Vertical

: LTE Band 4 Cat M1 20M Ch20050 1RB0 QPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	Amp\Cb						
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3435.00	-53.38	RMS	29.43	-24.96	1.04	-95.23	36.34	-13.00	-40.38	Vertical
2	5160.00	-53.50	RMS	33.00	-22.44	0.91	-95.23	30.26	-13.00	-40.50	Vertical
3	6870.00	-50.75	RMS	35.74	-22.06	0.35	-95.23	30.45	-13.00	-37.75	Vertical

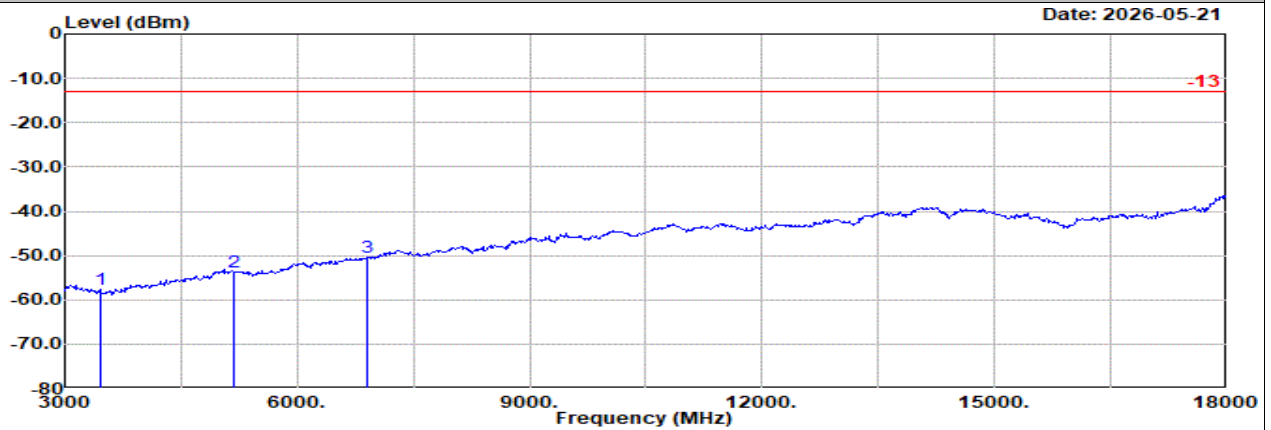


Ant. 0

Part 27L Mode 1

LTE Cat M1 B4 20M Ch20175 1RB0 QPSK

M

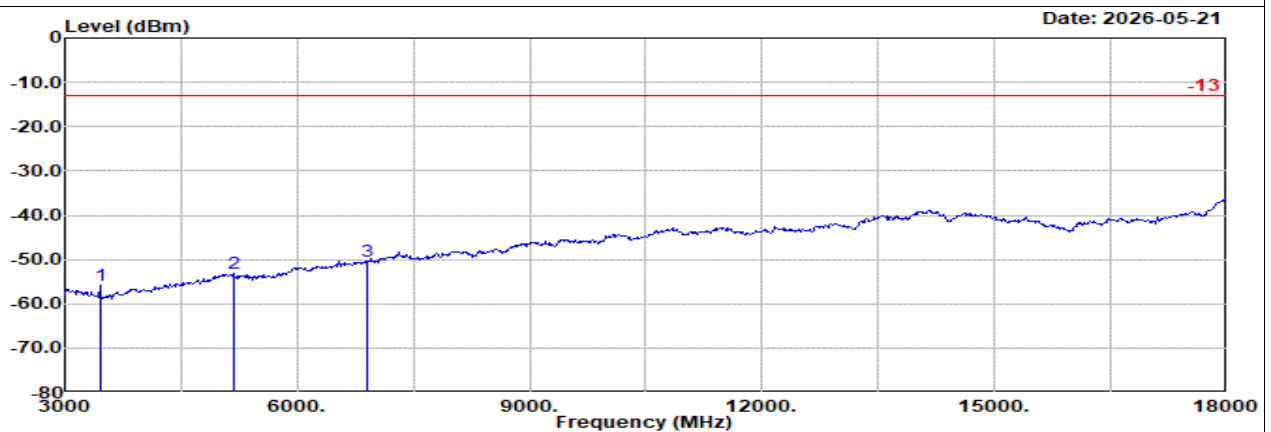


Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Horizontal

: LTE Band 4 Cat M1 20M Ch20175 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	3450.00	-57.59	RMS	29.40	-24.94	1.03	-95.23	32.15	-13.00	-44.59 Horizontal
2	5175.00	-53.73	RMS	33.00	-22.42	0.91	-95.23	30.01	-13.00	-40.73 Horizontal
3	6900.00	-50.47	RMS	35.80	-21.99	0.34	-95.23	30.61	-13.00	-37.47 Horizontal



Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Vertical

: LTE Band 4 Cat M1 20M Ch20175 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	3450.00	-55.99	RMS	29.40	-24.94	1.03	-95.23	33.75	-13.00	-42.99 Vertical
2	5175.00	-53.16	RMS	33.00	-22.42	0.91	-95.23	30.58	-13.00	-40.16 Vertical
3	6900.00	-50.38	RMS	35.80	-21.99	0.34	-95.23	30.70	-13.00	-37.38 Vertical

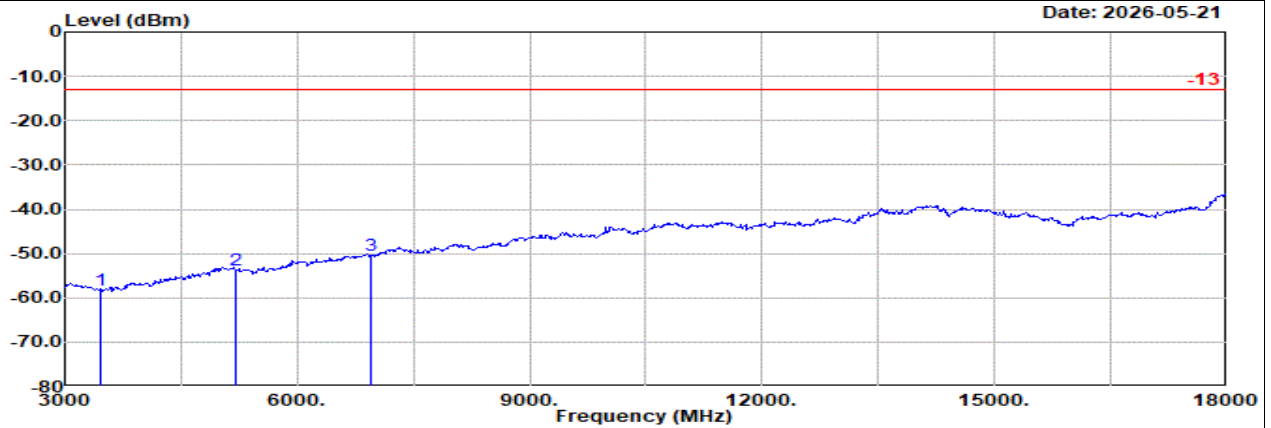


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Part 27L Mode 1

LTE Cat M1 B4 20M Ch20300 1RB0 QPSK

H

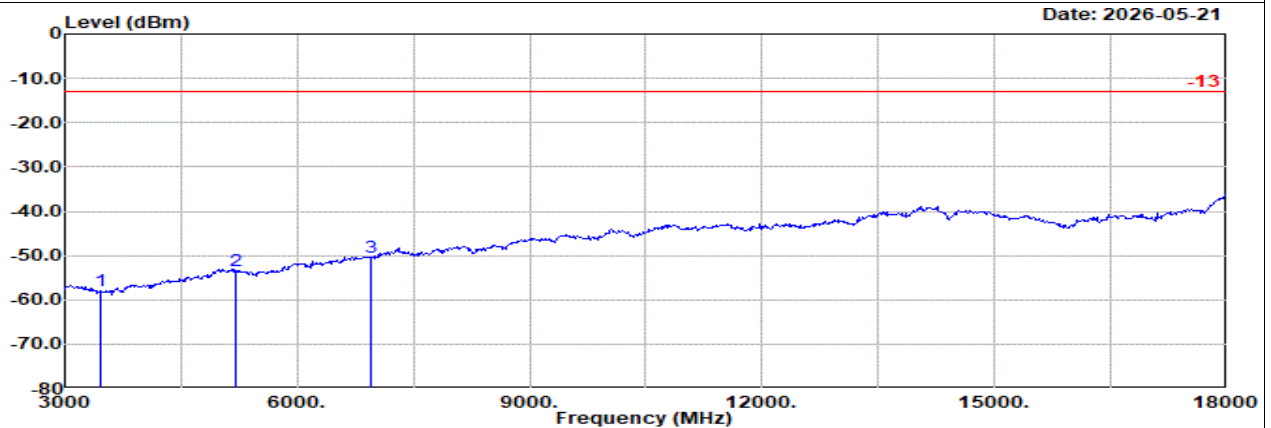


Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Horizontal

: LTE Band 4 Cat M1 20M Ch20300 1RB0 QPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF		Readin	Limit	Margin	Pol
				Factor	Amp\Cb		1					
	MHz	dBm					dB	dB	dBuV	dBm	dB	
1	3465.00	-58.15	RMS	29.40	-24.92	1.02	-95.23	31.58	-13.00	-45.15	Horizontal	
2	5205.00	-53.68	RMS	32.98	-22.39	0.90	-95.23	30.06	-13.00	-40.68	Horizontal	
3	6945.00	-50.48	RMS	35.80	-21.89	0.34	-95.23	30.50	-13.00	-37.48	Horizontal	



Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Vertical

: LTE Band 4 Cat M1 20M Ch20300 1RB0 QPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF		Readin	Limit	Margin	Pol
				Factor	Amp\Cb		1					
	MHz	dBm					dB	dB	dBuV	dBm	dB	
1	3465.00	-58.06	RMS	29.40	-24.92	1.02	-95.23	31.67	-13.00	-45.06	Vertical	
2	5205.00	-53.41	RMS	32.98	-22.39	0.90	-95.23	30.33	-13.00	-40.41	Vertical	
3	6945.00	-50.55	RMS	35.80	-21.89	0.34	-95.23	30.43	-13.00	-37.55	Vertical	

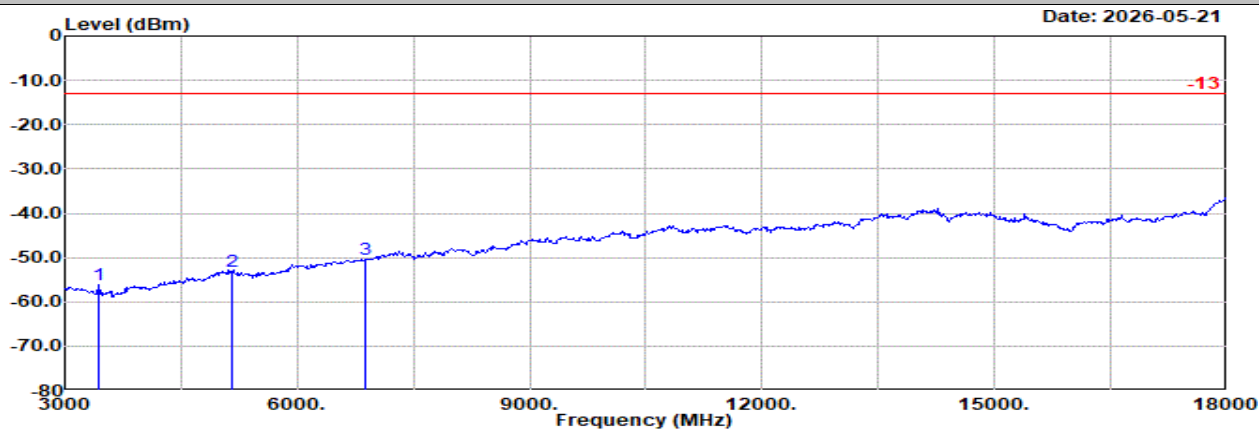


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Part 27L Mode 3

LTE Cat M1 B66 20M Ch132072 1RB0 QPSK

L

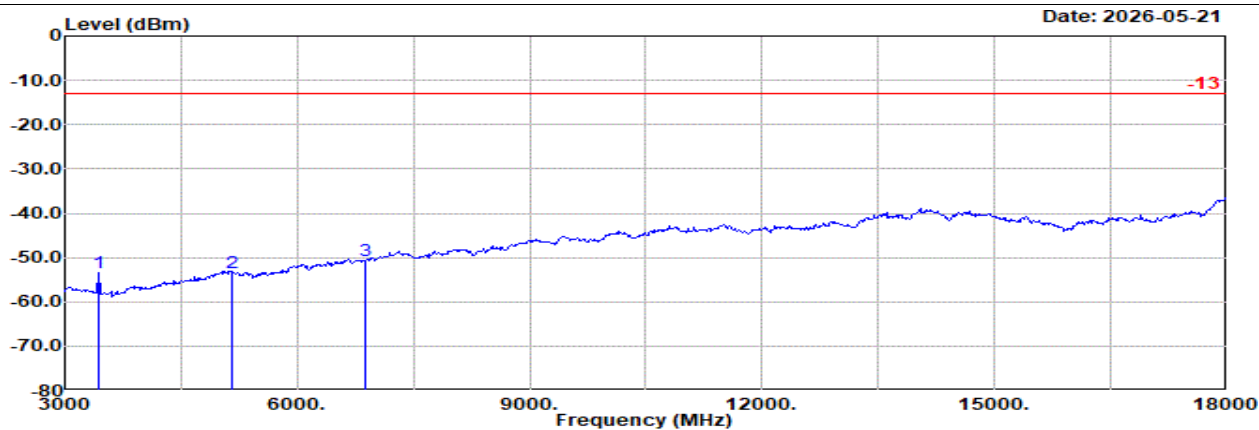


Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Horizontal

: LTE Band 66 Cat M1 20M Ch132072 1RB0 QPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF		Readin	Limit	Margin	Pol
				Factor	Amp\Cb		1					
	MHz	dBm					dB	dB	dBuV	dBm	dB	
1	3435.00	-56.05	RMS	29.43	-24.96	1.04	-95.23	33.67	-13.00	-43.05	Horizontal	
2	5160.00	-53.06	RMS	33.00	-22.44	0.91	-95.23	30.70	-13.00	-40.06	Horizontal	
3	6870.00	-50.50	RMS	35.74	-22.06	0.35	-95.23	30.70	-13.00	-37.50	Horizontal	



Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Vertical

: LTE Band 66 Cat M1 20M Ch132072 1RB0 QPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF		Readin	Limit	Margin	Pol
				Factor	Amp\Cb		1					
	MHz	dBm					dB	dB	dBuV	dBm	dB	
1	3435.00	-53.30	RMS	29.43	-24.96	1.04	-95.23	36.42	-13.00	-40.30	Vertical	
2	5160.00	-53.37	RMS	33.00	-22.44	0.91	-95.23	30.39	-13.00	-40.37	Vertical	
3	6870.00	-50.63	RMS	35.74	-22.06	0.35	-95.23	30.57	-13.00	-37.63	Vertical	

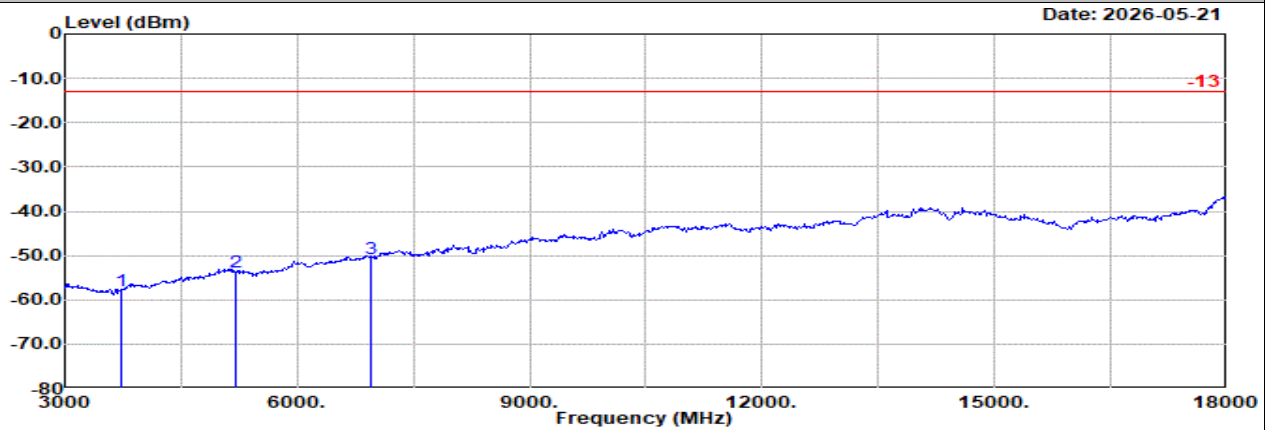


Ant. 0

Part 27L Mode 3

LTE Cat M1 B66 20M Ch132322 1RB0 QPSK

M

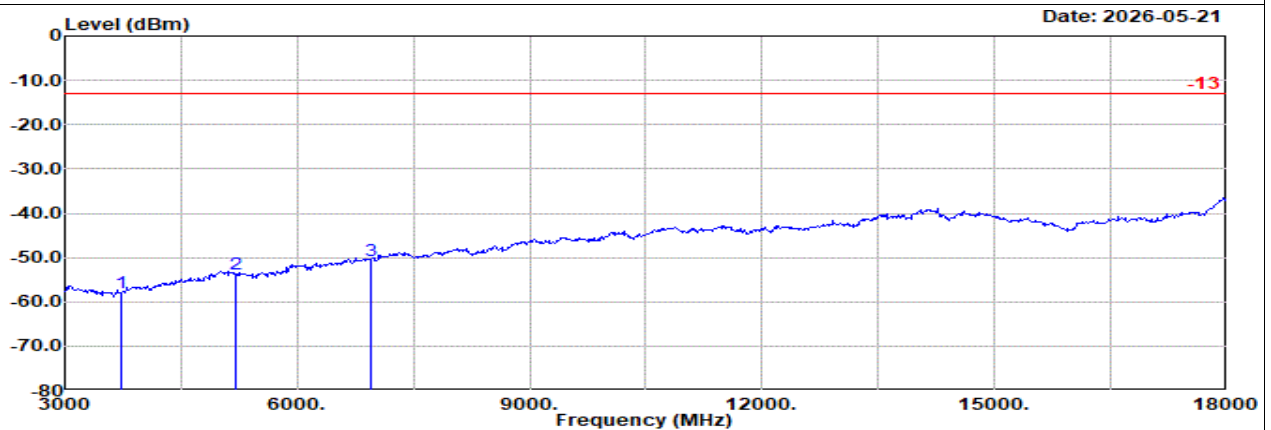


Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Horizontal

: LTE Band 66 Cat M1 20M Ch132322 1RB0 QPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF		Readin	Limit	Margin	Pol
				Factor	Amp\Cb		1					
	MHz	dBm		dB/m	dB	dB	dB	dB	dBuV	dBm	dB	
1	3735.00	-57.89	RMS	29.81	-24.50	0.89	-95.23	31.14	-13.00	-44.89	Horizontal	
2	5205.00	-53.83	RMS	32.98	-22.39	0.90	-95.23	29.91	-13.00	-40.83	Horizontal	
3	6945.00	-50.67	RMS	35.80	-21.89	0.34	-95.23	30.31	-13.00	-37.67	Horizontal	



Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Vertical

: LTE Band 66 Cat M1 20M Ch132322 1RB0 QPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF		Readin	Limit	Margin	Pol
				Factor	Amp\Cb		1					
	MHz	dBm		dB/m	dB	dB	dB	dB	dBuV	dBm	dB	
1	3735.00	-57.95	RMS	29.81	-24.50	0.89	-95.23	31.08	-13.00	-44.95	Vertical	
2	5205.00	-53.86	RMS	32.98	-22.39	0.90	-95.23	29.88	-13.00	-40.86	Vertical	
3	6945.00	-50.71	RMS	35.80	-21.89	0.34	-95.23	30.27	-13.00	-37.71	Vertical	

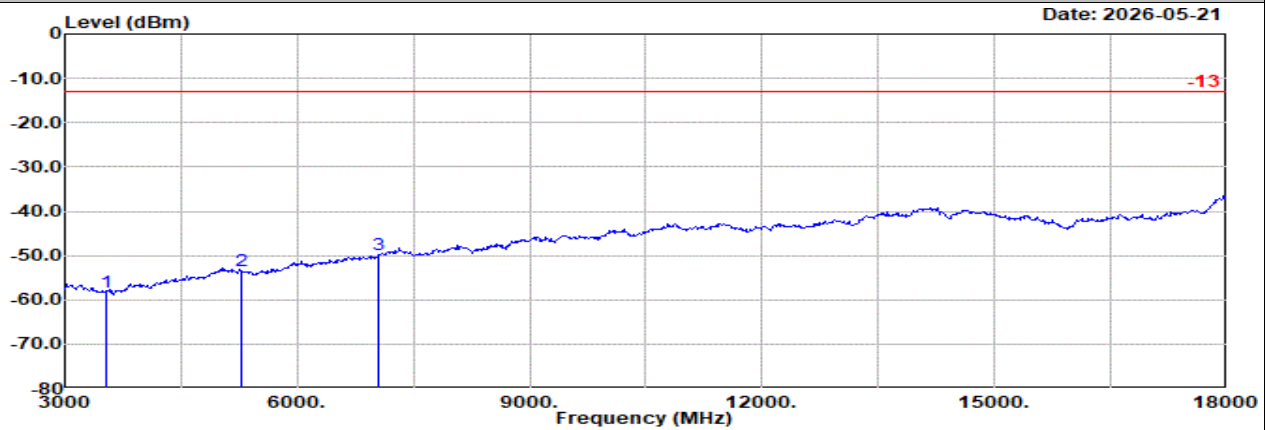


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Part 27L Mode 3

LTE Cat M1 B66 20M Ch132572 1RB0 QPSK

H

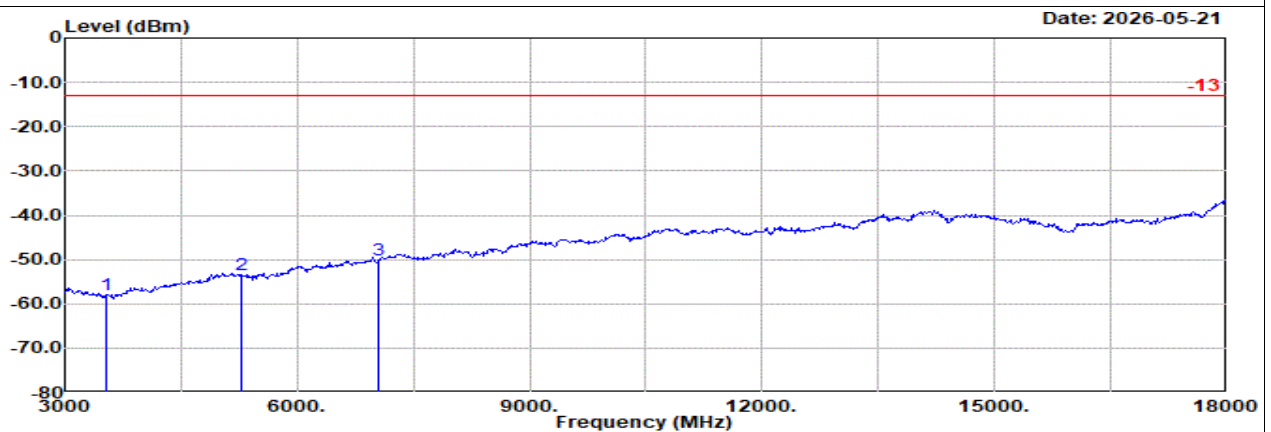


Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Horizontal

: LTE Band 66 Cat M1 20M Ch132572 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dBuV	dBm	dB	
1	3525.00	-58.32	RMS		29.40	-24.85	0.99	-95.23	31.38	-13.00	Horizontal
2	5280.00	-53.46	RMS		32.80	-22.48	0.88	-95.23	30.57	-13.00	Horizontal
3	7050.00	-49.95	RMS		35.90	-21.72	0.31	-95.23	30.80	-13.00	Horizontal



Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Vertical

: LTE Band 66 Cat M1 20M Ch132572 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb l	Filter	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3525.00	-58.01	RMS	29.40	-24.85	0.99	-95.23	31.69	-13.00	-45.01	Vertical
2	5280.00	-53.55	RMS	32.80	-22.48	0.88	-95.23	30.48	-13.00	-40.55	Vertical
3	7050.00	-50.19	RMS	35.90	-21.72	0.31	-95.23	30.56	-13.00	-37.19	Vertical

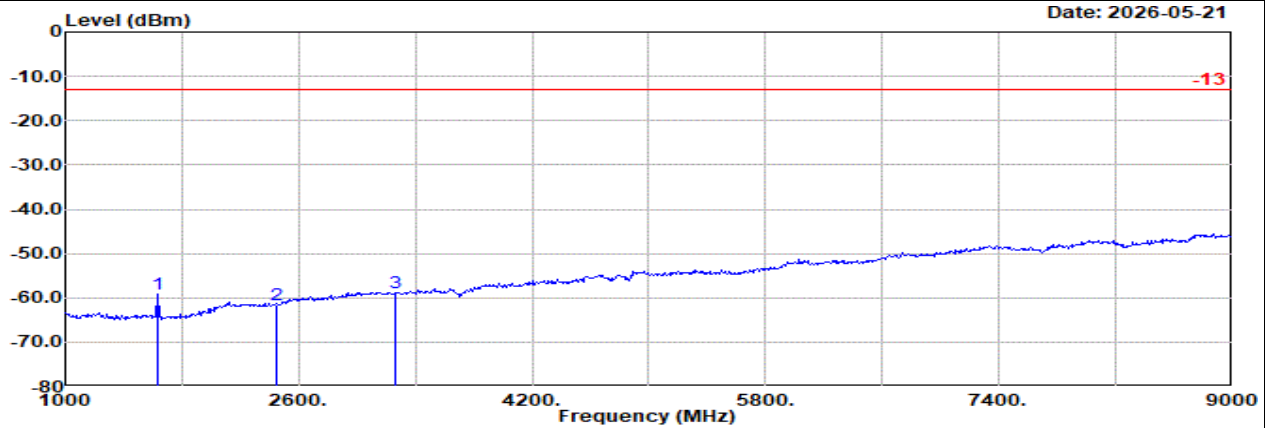


Ant. 0

Part 90S Mode 1

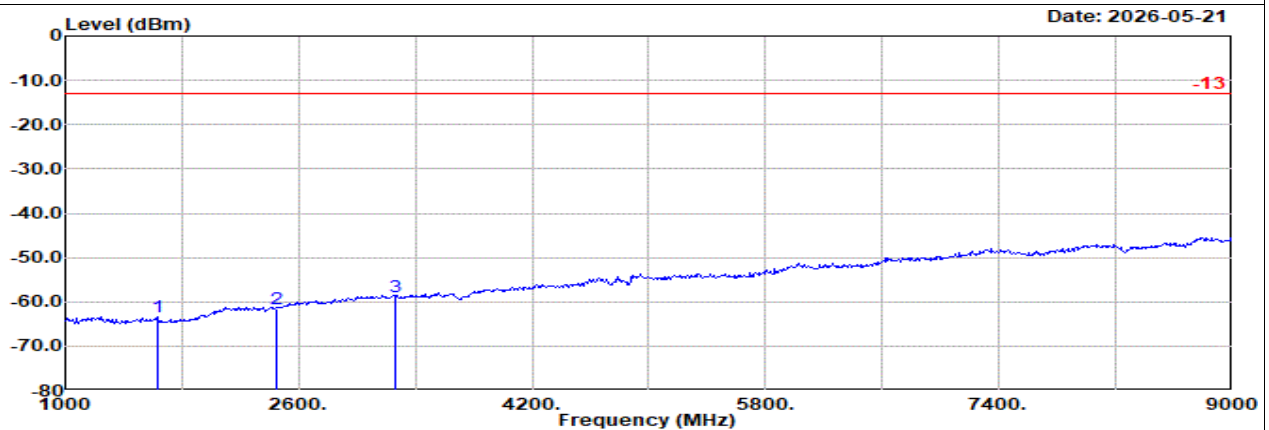
LTE Cat M1 B26 10M Ch26715 1RB0 QPSK

L



Site : 03CH11-HY
Condition: -13 3m 9120D_01620_250915 Horizontal
: LTE Band 26 5M Ch26715 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
1	1629.00	-59.30	RMS	25.21	-28.23	0.31 -95.23	38.64	-13.00	-46.30	Horizontal
2	2443.00	-61.61	RMS	27.50	-26.31	0.24 -95.23	32.19	-13.00	-48.61	Horizontal
3	3257.00	-58.86	RMS	29.59	-25.18	0.24 -95.23	31.72	-13.00	-45.86	Horizontal



Site : 03CH11-HY
Condition: -13 3m 9120D_01620_250915 Vertical
: LTE Band 26 5M Ch26715 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
1	1629.00	-63.39	RMS	25.21	-28.23	0.31 -95.23	34.55	-13.00	-50.39	Vertical
2	2443.00	-61.45	RMS	27.50	-26.31	0.24 -95.23	32.35	-13.00	-48.45	Vertical
3	3257.00	-58.99	RMS	29.59	-25.18	0.24 -95.23	31.59	-13.00	-45.99	Vertical

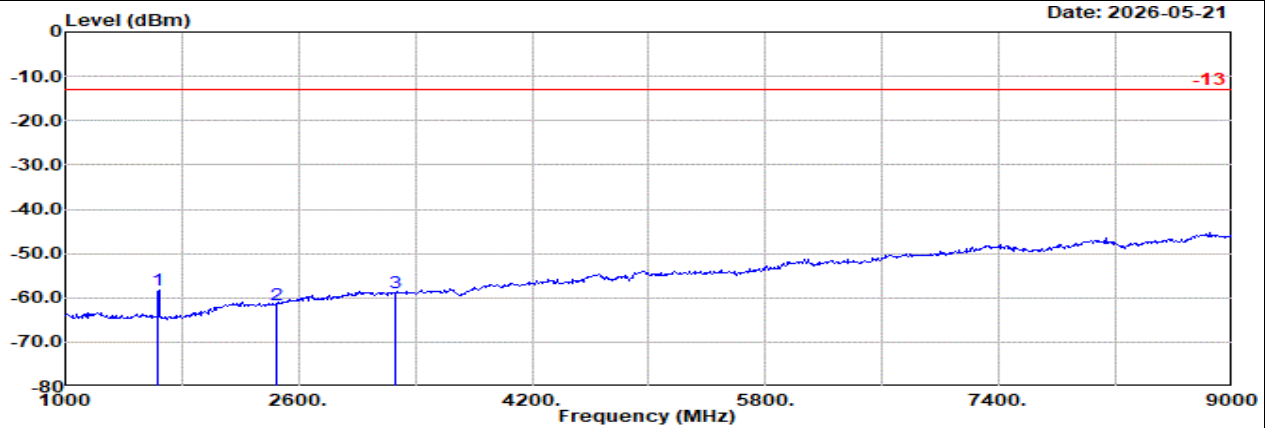


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Part 90S Mode 1

LTE Cat M1 B26 10M Ch26740 1RB0 QPSK

M

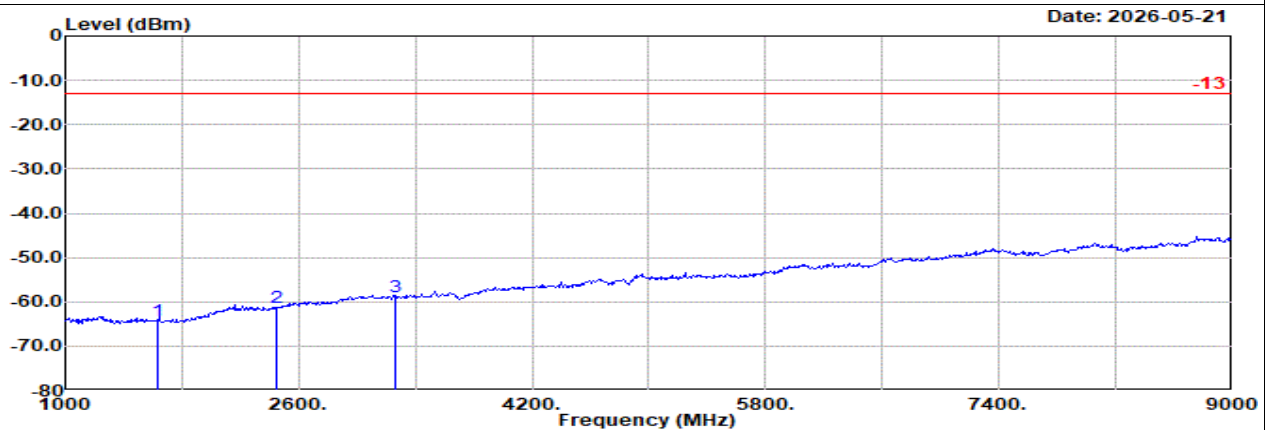


Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Horizontal

: LTE Band 26 5M Ch26740 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
1	1634.00	-58.12	RMS	25.16	-28.22	0.31 -95.23	39.86	-13.00	-45.12	Horizontal
2	2451.00	-61.46	RMS	27.50	-26.29	0.23 -95.23	32.33	-13.00	-48.46	Horizontal
3	3267.00	-58.96	RMS	29.57	-25.17	0.24 -95.23	31.63	-13.00	-45.96	Horizontal



Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Vertical

: LTE Band 26 5M Ch26740 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
1	1634.00	-64.38	RMS	25.16	-28.22	0.31 -95.23	33.60	-13.00	-51.38	Vertical
2	2451.00	-61.37	RMS	27.50	-26.29	0.23 -95.23	32.42	-13.00	-48.37	Vertical
3	3267.00	-58.94	RMS	29.57	-25.17	0.24 -95.23	31.65	-13.00	-45.94	Vertical

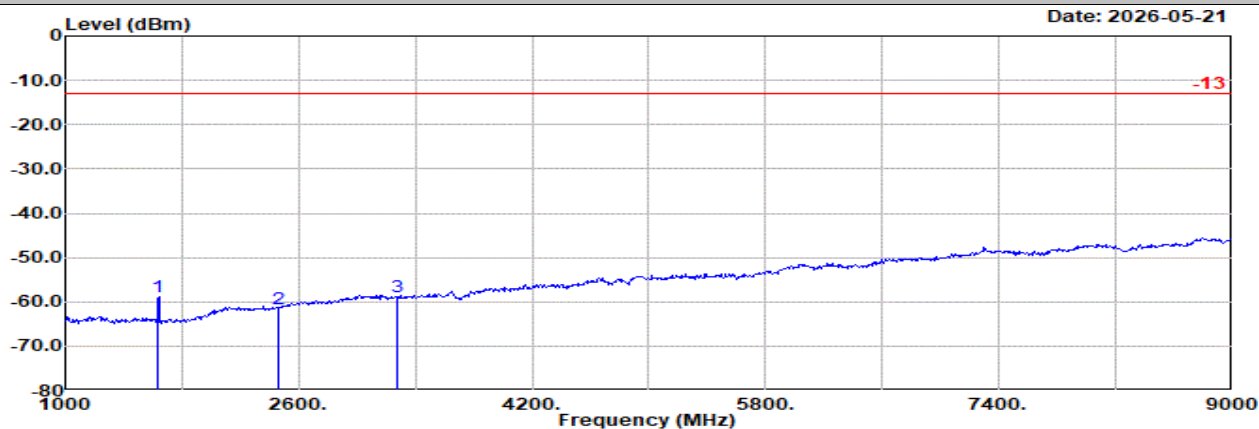


Ant. 0

Part 90S Mode 1

LTE Cat M1 B26 10M Ch26765 1RB0 QPSK

H

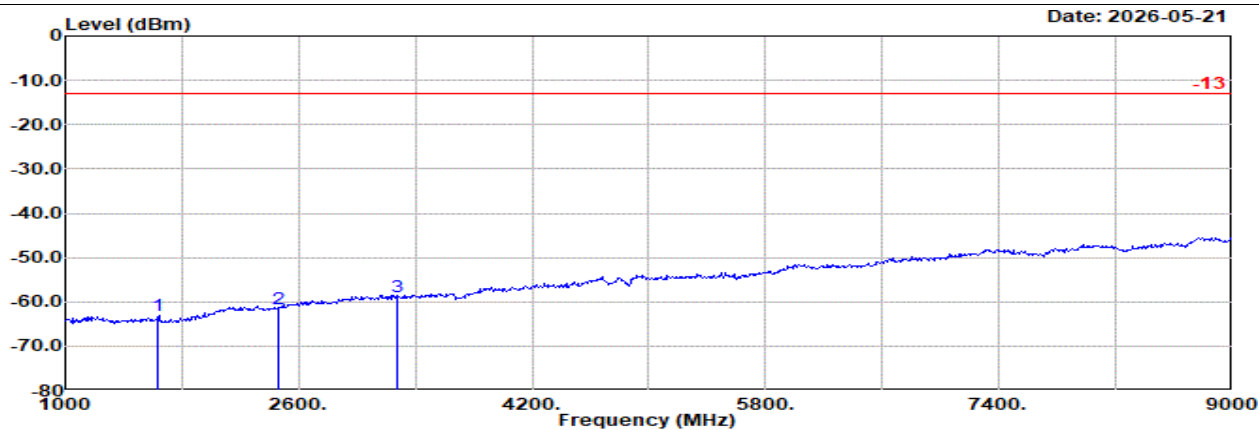


Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Horizontal

: LTE Band 26 5M Ch26765 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	1639.00	-58.77	RMS	25.11	-28.20	0.31	-95.23	39.24	-13.00	-45.77	Horizontal	
2	2458.00	-61.47	RMS	27.50	-26.28	0.23	-95.23	32.31	-13.00	-48.47	Horizontal	
3	3277.00	-58.89	RMS	29.55	-25.16	0.24	-95.23	31.71	-13.00	-45.89	Horizontal	



Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Vertical

: LTE Band 26 5M Ch26765 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	1639.00	-63.13	RMS	25.11	-28.20	0.31	-95.23	34.88	-13.00	-50.13	Vertical	
2	2458.00	-61.44	RMS	27.50	-26.28	0.23	-95.23	32.34	-13.00	-48.44	Vertical	
3	3277.00	-58.96	RMS	29.55	-25.16	0.24	-95.23	31.64	-13.00	-45.96	Vertical	

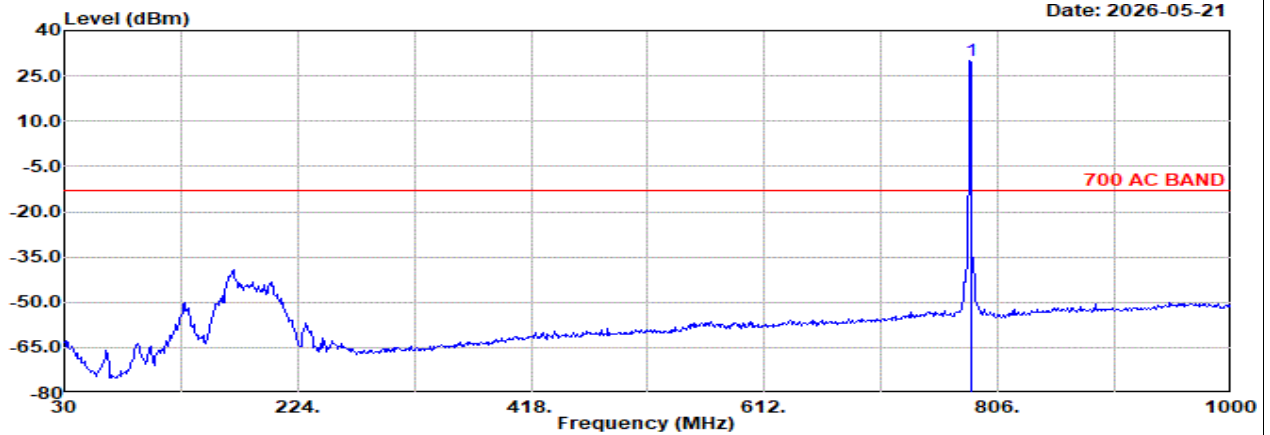


Ant. 0

Part 27F Mode 1

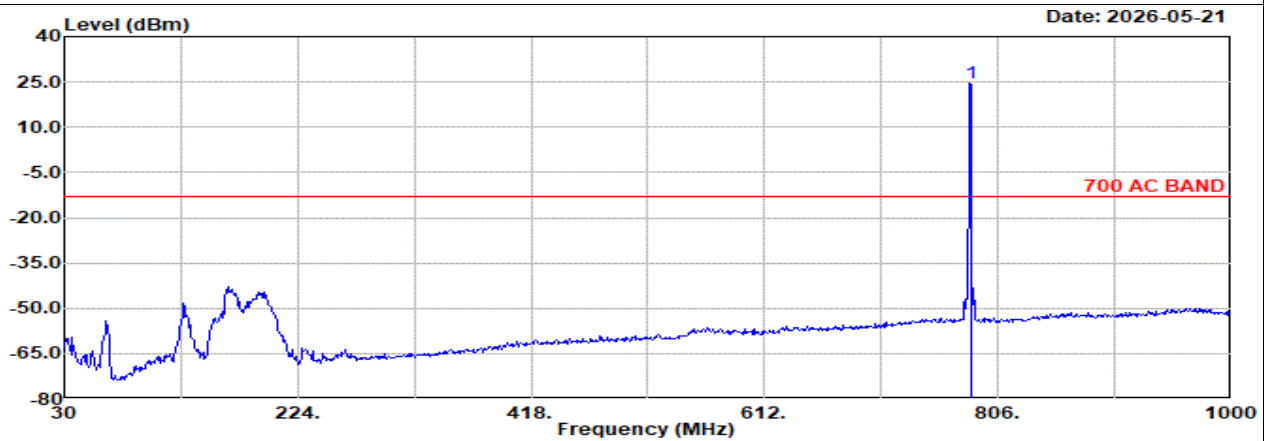
LTE Cat M1 B13 5M Ch23255 1RB0 QPSK

H



Site : 03CH11-HY
Condition: 700 AC BAND 3m Bilog_66925 & 24006_260412 Horizontal
: LTE Cat M1 Band 13 5M Ch23255 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	784.50	29.88	RMS	28.06	3.80	0.00	-95.23	93.25	-13.00	42.88 Horizontal



Site : 03CH11-HY
Condition: 700 AC BAND 3m Bilog_66925 & 24006_260412 Vertical
: LTE Cat M1 Band 13 5M Ch23255 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	784.50	24.46	RMS	28.06	3.80	0.00	-95.23	87.83	-13.00	37.46 Vertical



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 NB IoT B5	Part 22H	H	1704	-55.41	RMS	25.04	-28.04	0.29	-95.23	42.53	-13.00	-42.41	H	0
4	LTE NB IoT B26	Part 22H	H	1704	-54.94	RMS	25.04	-28.04	0.29	-95.23	43.00	-13.00	-41.94	V	0
2	LTE NB IoT B2	Part 24E	L	7395	-49.36	RMS	36.34	-21.65	0.19	-95.23	30.99	-13.00	-36.36	H	0
4	LTE NB IoT B25	Part 24E	L	7395	-49.58	RMS	36.34	-21.65	0.19	-95.23	30.77	-13.00	-36.58	V	0
2	LTE NB IoT B13	Part 27F	M	1564	-60.97	RMS	25.30	-28.42	0.34	-95.23	37.04	-42.15	-18.82	H	0
2	LTE NB IoT B12	Part 27H	H	2863	-59.45	RMS	28.43	-25.71	0.20	-95.23	32.86	-13.00	-46.45	H	0
3	LTE NB IoT B17	Part 27H	L	1408	-50.49	RMS	25.52	-29.22	0.41	-95.23	48.03	-13.00	-37.49	V	0
2	LTE NB IoT B4	Part 27L	H	7020	-50.26	RMS	35.84	-21.75	0.33	-95.23	30.55	-13.00	-37.26	V	0
4	LTE NB IoT B66	Part 27L	H	7119	-49.76	RMS	36.38	-21.68	0.26	-95.23	30.51	-13.00	-36.76	V	0
2	LTE NB IoT B26	Part 90S	H	3295	-57.62	RMS	29.51	-25.13	0.24	-95.23	32.99	-13.00	-44.62	V	0

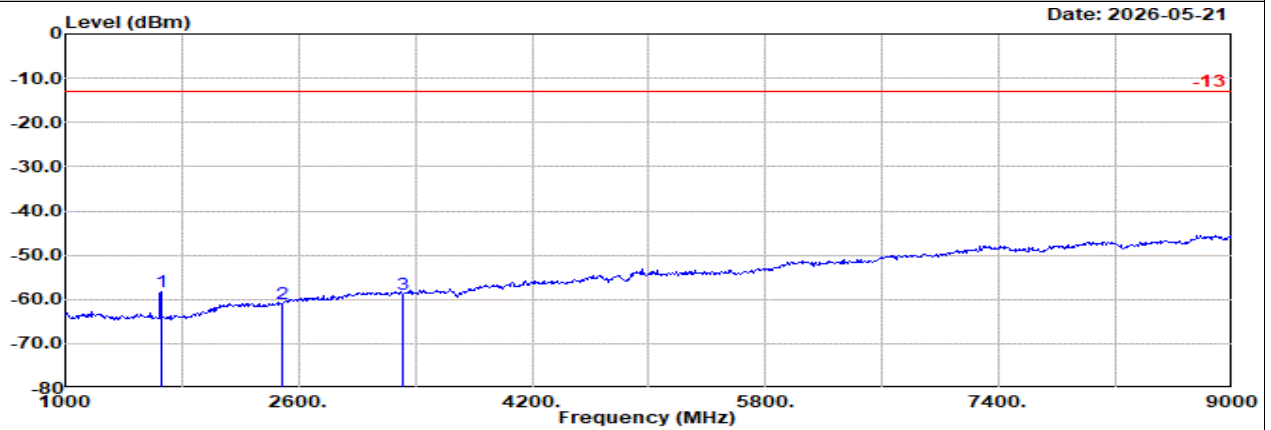


Ant. 0

Part 22H Mode 2

LTE NB IoT B5 NB IoT 3.75K Ch20402 1RB0 BPSK

L

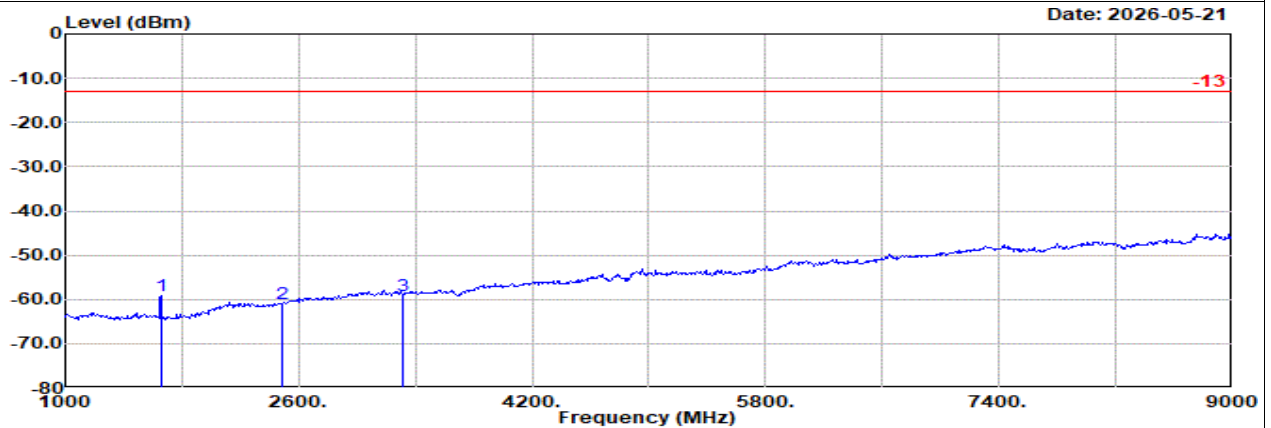


Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Horizontal

: LTE Band 5 NB IoT 3.75K Ch20402 1RB0 BPSK

	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	1656.00	-58.37	RMS		24.96	-28.16	0.31 -95.23	39.75	-13.00	-45.37	Horizontal
2	2488.00	-60.89	RMS		27.76	-26.21	0.23 -95.23	32.56	-13.00	-47.89	Horizontal
3	3312.00	-58.87	RMS		29.50	-25.11	0.24 -95.23	31.73	-13.00	-45.87	Horizontal



Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Vertical

: LTE Band 5 NB IoT 3.75K Ch20402 1RB0 BPSK

	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	1656.00	-59.19	RMS		24.96	-28.16	0.31 -95.23	38.93	-13.00	-46.19	Vertical
2	2488.00	-61.08	RMS		27.76	-26.21	0.23 -95.23	32.37	-13.00	-48.08	Vertical
3	3312.00	-59.05	RMS		29.50	-25.11	0.24 -95.23	31.55	-13.00	-46.05	Vertical

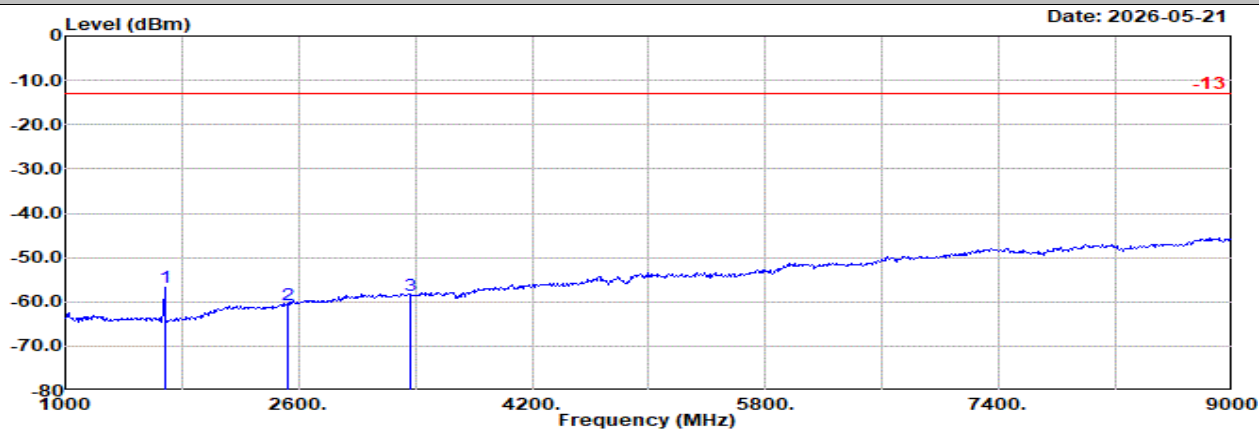


Ant. 0

Part 22H Mode 2

LTE NB IoT B5 NB IoT 3.75K Ch20525 1RB0 BPSK

M

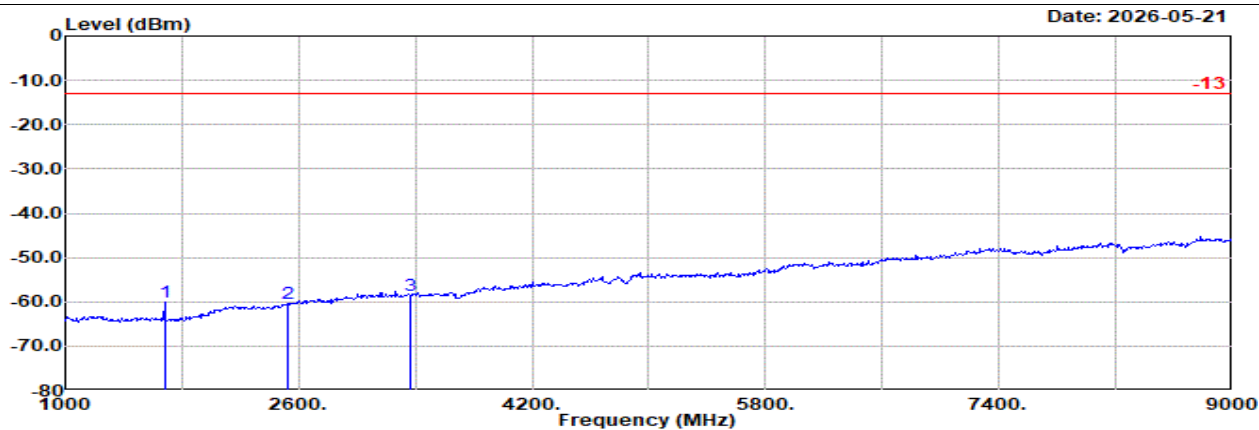


Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Horizontal

: LTE Band 5 NB IoT 3.75K Ch20525 1RB0 BPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
1	1680.00	-56.62	RMS	25.10	-28.10	0.30	-95.23	41.31	-13.00	-43.62 Horizontal
2	2520.00	-60.59	RMS	27.90	-26.16	0.23	-95.23	32.67	-13.00	-47.59 Horizontal
3	3360.00	-58.48	RMS	29.50	-25.05	0.24	-95.23	32.06	-13.00	-45.48 Horizontal



Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Vertical

: LTE Band 5 NB IoT 3.75K Ch20525 1RB0 BPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
1	1680.00	-60.06	RMS	25.10	-28.10	0.30	-95.23	37.87	-13.00	-47.06 Vertical
2	2520.00	-60.43	RMS	27.90	-26.16	0.23	-95.23	32.83	-13.00	-47.43 Vertical
3	3360.00	-58.68	RMS	29.50	-25.05	0.24	-95.23	31.86	-13.00	-45.68 Vertical

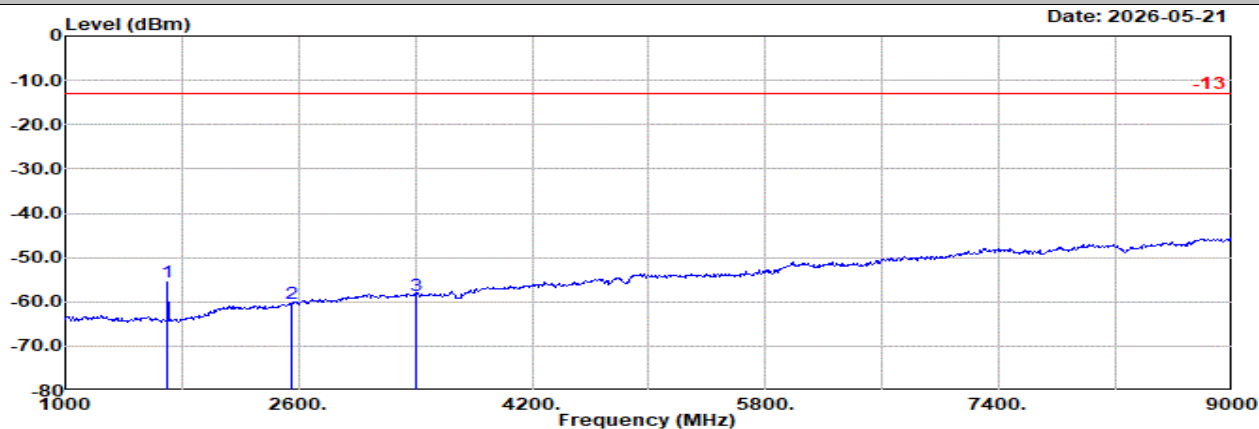


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Part 22H Mode 2

LTE NB IoT B5 NB IoT 3.75K Ch20648 1RB0 BPSK

H

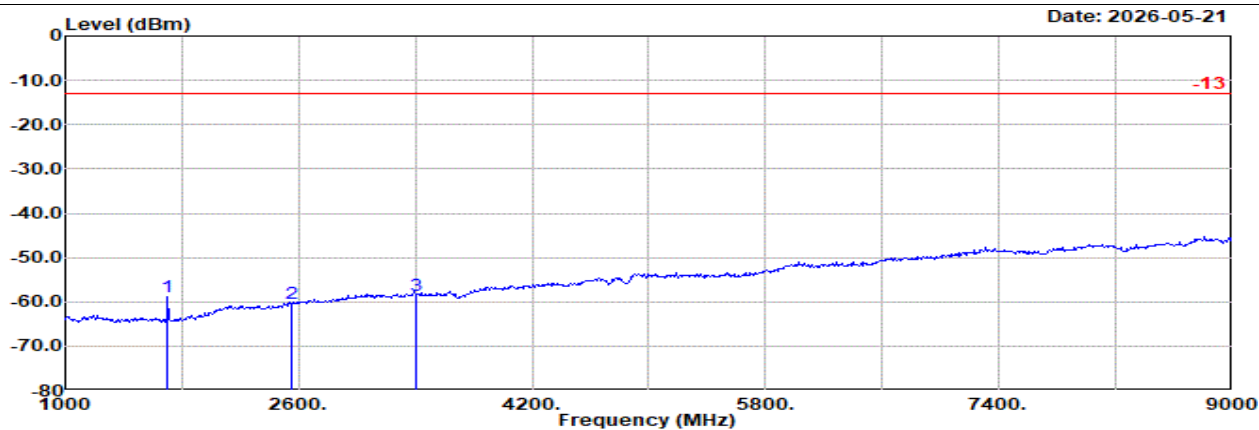


Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Horizontal

: LTE Band 5 NB IoT 3.75K Ch20648 1RB0 BPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb		Filter	EIRPCF		Readin g	Limit	Margin	Pol
				Factor	1							
1	1704.00	-55.41	RMS	25.04	-28.04	0.29	-95.23	42.53	-13.00	-42.41	Horizontal	
2	2552.00	-60.51	RMS	28.00	-26.11	0.22	-95.23	32.61	-13.00	-47.51	Horizontal	
3	3408.00	-58.67	RMS	29.48	-24.99	0.24	-95.23	31.83	-13.00	-45.67	Horizontal	



Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Vertical

: LTE Band 5 NB IoT 3.75K Ch20648 1RB0 BPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb		Filter	EIRPCF		Readin g	Limit	Margin	Pol
				Factor	1							
1	1704.00	-58.92	RMS	25.04	-28.04	0.29	-95.23	39.02	-13.00	-45.92	Vertical	
2	2552.00	-60.29	RMS	28.00	-26.11	0.22	-95.23	32.83	-13.00	-47.29	Vertical	
3	3408.00	-58.67	RMS	29.48	-24.99	0.24	-95.23	31.83	-13.00	-45.67	Vertical	

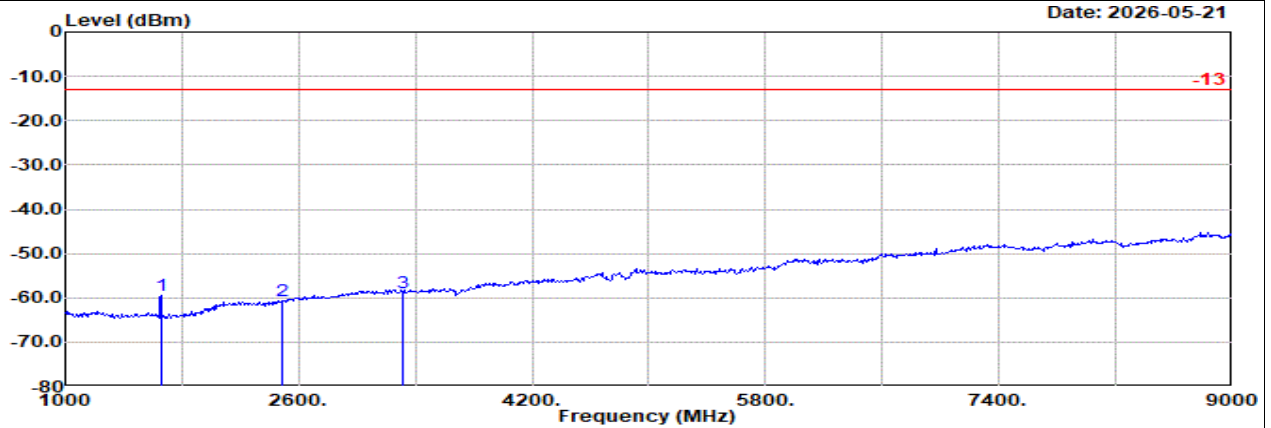


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Part 22H Mode 4

LTE NB IoT B26 NB IoT 3.75K Ch23792 1RB0 BPSK

L

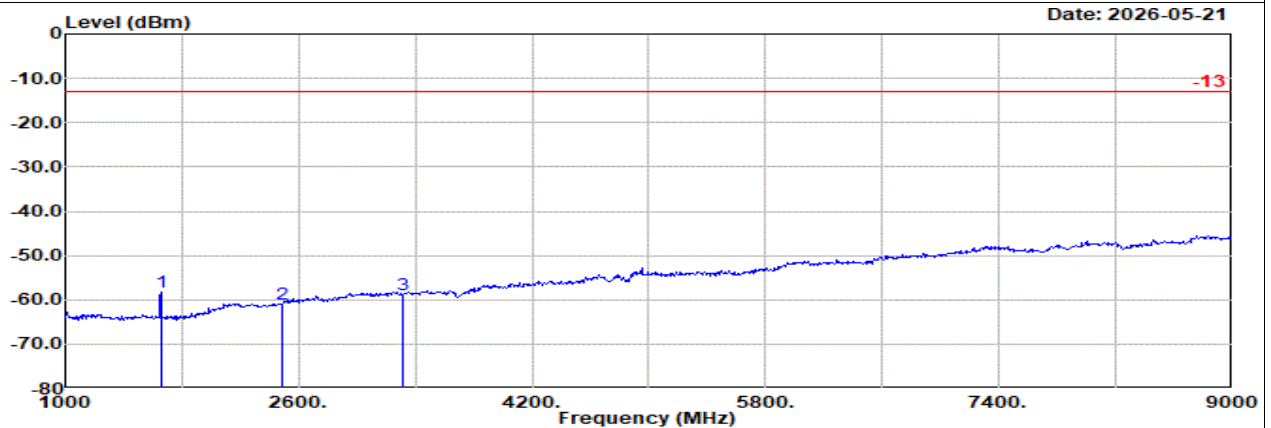


Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Horizontal

: LTE Band 26 NB IoT 3.75K Ch26792 1RB0 BPSK

	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	1656.00	-59.52	RMS		24.96	-28.16	0.31	-95.23	38.60	-13.00	-46.52	Horizontal
2	2488.00	-60.77	RMS		27.76	-26.21	0.23	-95.23	32.68	-13.00	-47.77	Horizontal
3	3312.00	-58.78	RMS		29.50	-25.11	0.24	-95.23	31.82	-13.00	-45.78	Horizontal



Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Vertical

: LTE Band 26 NB IoT 3.75K Ch26792 1RB0 BPSK

	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	1656.00	-58.23	RMS		24.96	-28.16	0.31	-95.23	39.89	-13.00	-45.23	Vertical
2	2488.00	-60.89	RMS		27.76	-26.21	0.23	-95.23	32.56	-13.00	-47.89	Vertical
3	3312.00	-58.74	RMS		29.50	-25.11	0.24	-95.23	31.86	-13.00	-45.74	Vertical

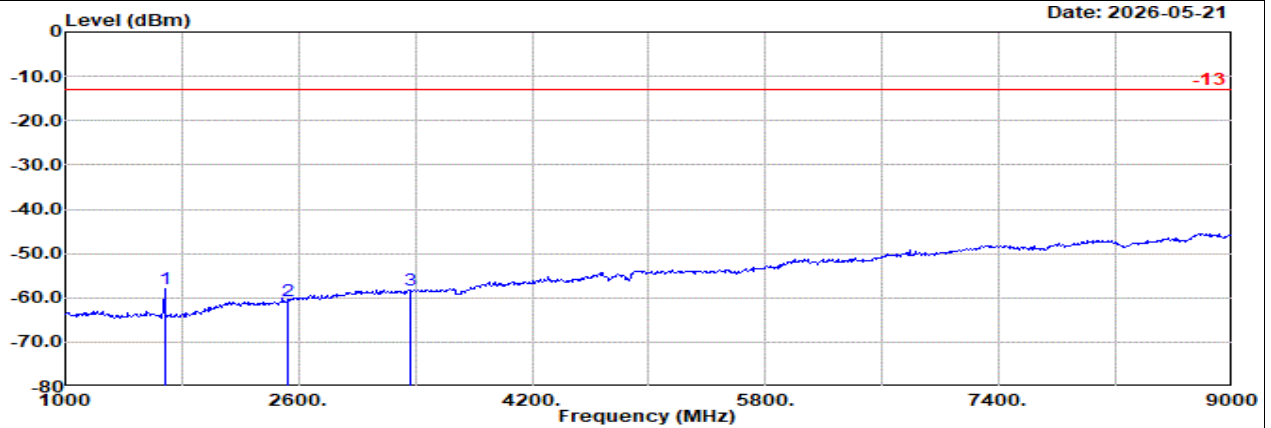


Ant. 0

Part 22H Mode 4

LTE NB IoT B26 NB IoT 3.75K Ch26915 1RB0 BPSK

M

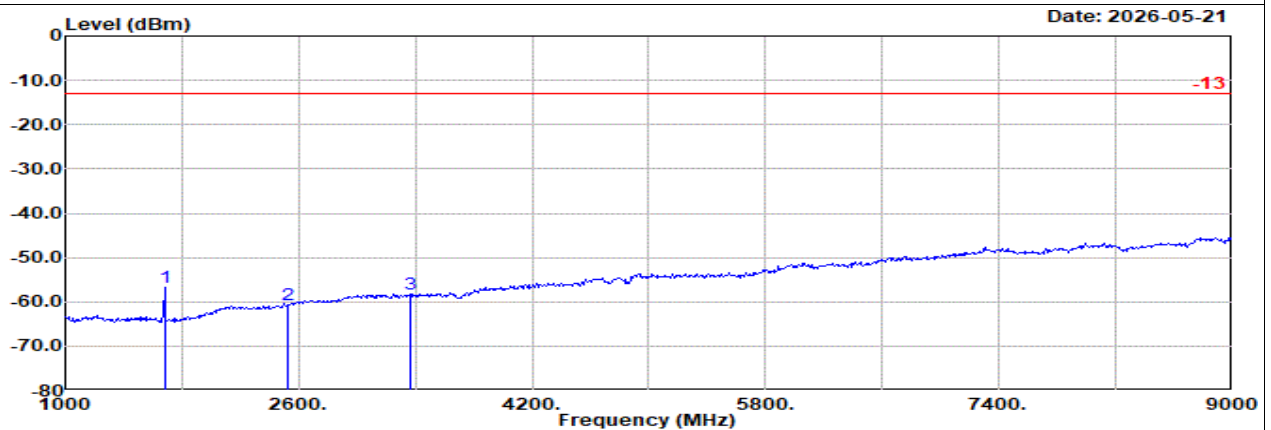


Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Horizontal

: LTE Band 26 NB IoT 3.75K Ch26915 1RB0 BPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1						
1	1680.00	-57.95	RMS	25.10	-28.10	0.30	-95.23	39.98	-13.00	-44.95	Horizontal
2	2520.00	-60.65	RMS	27.90	-26.16	0.23	-95.23	32.61	-13.00	-47.65	Horizontal
3	3360.00	-58.29	RMS	29.50	-25.05	0.24	-95.23	32.25	-13.00	-45.29	Horizontal



Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Vertical

: LTE Band 26 NB IoT 3.75K Ch26915 1RB0 BPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1						
1	1680.00	-56.73	RMS	25.10	-28.10	0.30	-95.23	41.20	-13.00	-43.73	Vertical
2	2520.00	-60.70	RMS	27.90	-26.16	0.23	-95.23	32.56	-13.00	-47.70	Vertical
3	3360.00	-58.24	RMS	29.50	-25.05	0.24	-95.23	32.30	-13.00	-45.24	Vertical

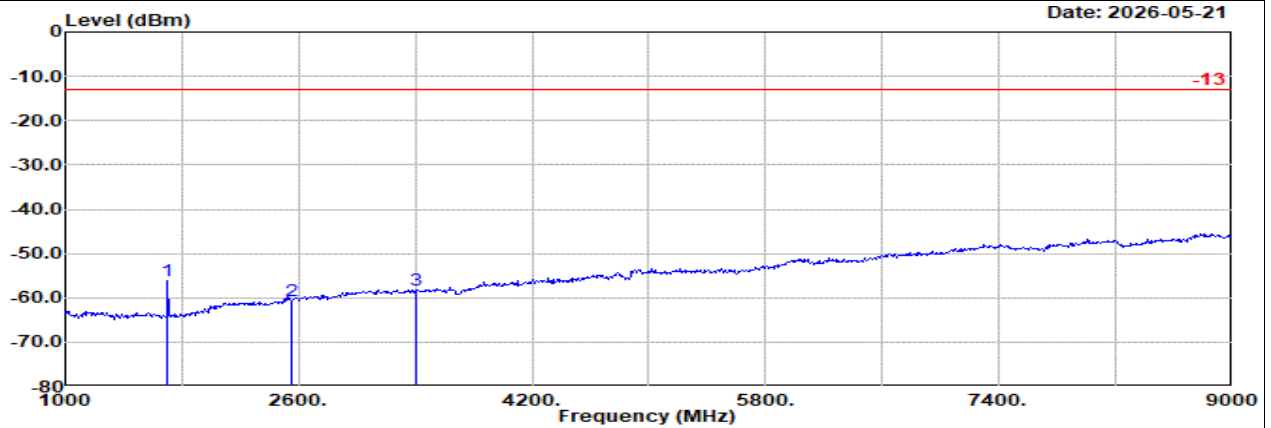


Ant. 0

Part 22H Mode 4

LTE NB IoT B26 NB IoT 3.75K Ch27038 1RB0 BPSK

H

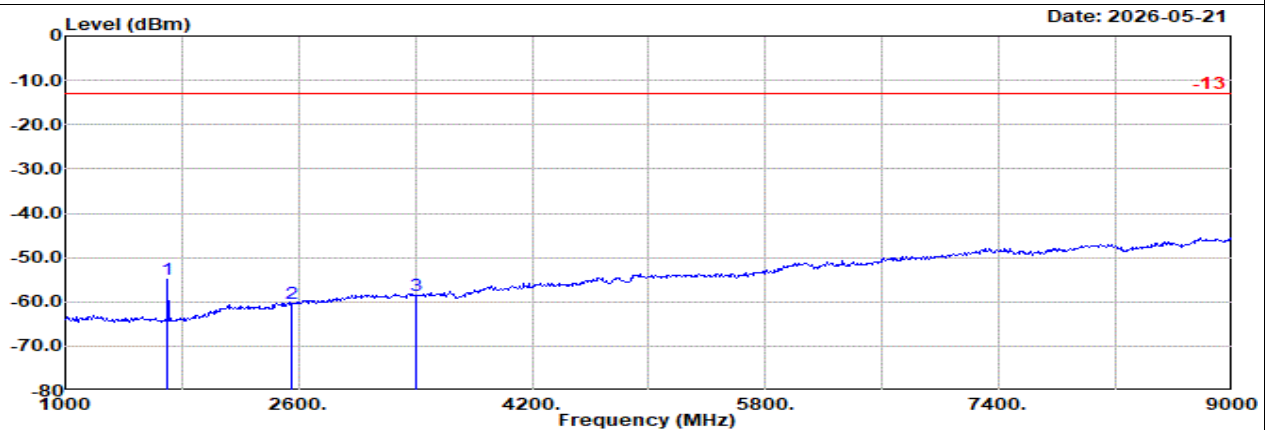


Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Horizontal

: LTE Band 26 NB IoT 3.75K Ch27038 1RB0 BPSK

	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	1704.00	-56.22	RMS	25.04	-28.04	0.29	-95.23	41.72	-13.00	-43.22	Horizontal
2	2552.00	-60.67	RMS	28.00	-26.11	0.22	-95.23	32.45	-13.00	-47.67	Horizontal
3	3408.00	-58.34	RMS	29.48	-24.99	0.24	-95.23	32.16	-13.00	-45.34	Horizontal



Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Vertical

: LTE Band 26 NB IoT 3.75K Ch27038 1RB0 BPSK

	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	1704.00	-54.94	RMS	25.04	-28.04	0.29	-95.23	43.00	-13.00	-41.94	Vertical
2	2552.00	-60.26	RMS	28.00	-26.11	0.22	-95.23	32.86	-13.00	-47.26	Vertical
3	3408.00	-58.66	RMS	29.48	-24.99	0.24	-95.23	31.84	-13.00	-45.66	Vertical

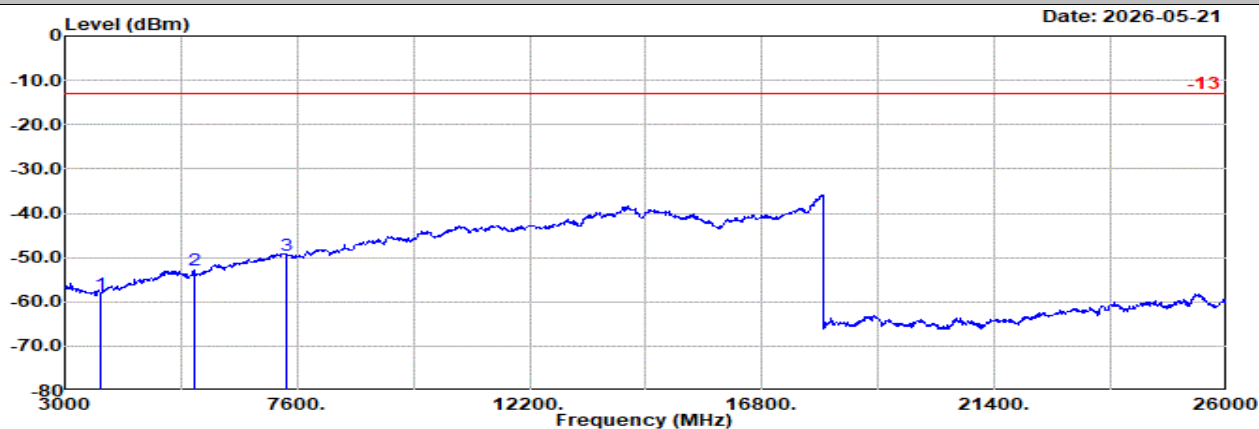


Ant. 0

Part 24E Mode 2

LTE NB IoT B2 NB IoT 3.75K Ch18602 1RB0 BPSK

L

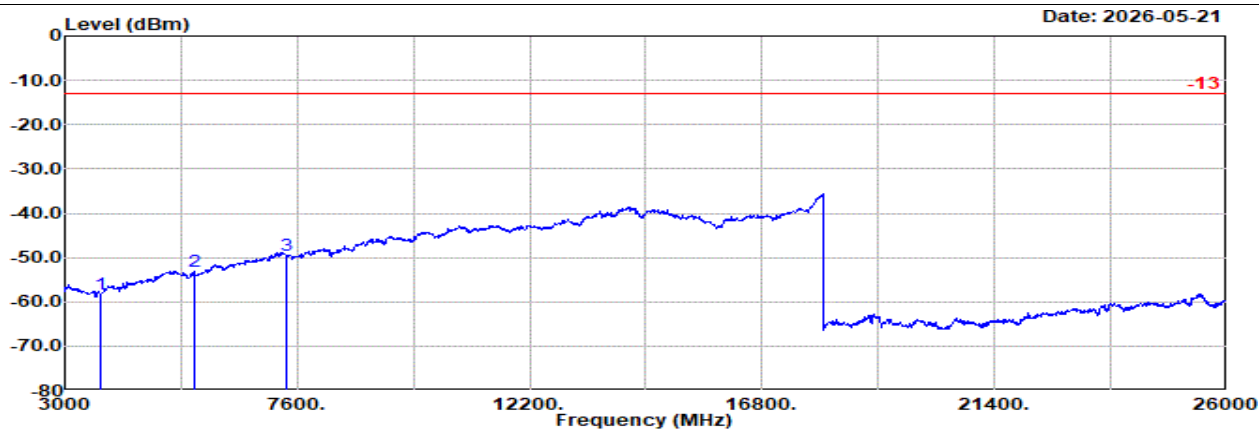


Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Horizontal

: LTE Band 2 NB IoT 3.75K Ch18601 1RB0 BPSK

	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	3705.00	-58.22	RMS	29.63	-24.55	0.90	-95.23	0.00	-13.00	-45.22	Horizontal
2	5550.00	-52.82	RMS	32.80	-22.30	0.91	-95.23	31.00	-13.00	-39.82	Horizontal
3	7395.00	-49.36	RMS	36.34	-21.65	0.19	-95.23	30.99	-13.00	-36.36	Horizontal



Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Vertical

: LTE Band 2 NB IoT 3.75K Ch18601 1RB0 BPSK

	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	3705.00	-58.13	RMS	29.63	-24.55	0.90	-95.23	31.12	-13.00	-45.13	Vertical
2	5550.00	-53.00	RMS	32.80	-22.30	0.91	-95.23	30.82	-13.00	-40.00	Vertical
3	7395.00	-49.44	RMS	36.34	-21.65	0.19	-95.23	30.91	-13.00	-36.44	Vertical

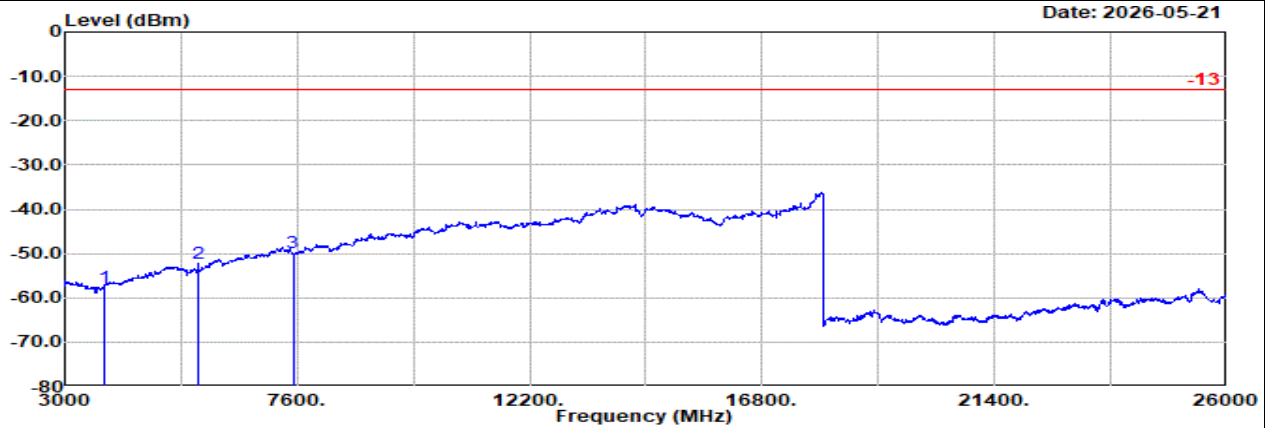


Ant. 0

Part 24E Mode 2

LTE NB IoT B2 NB IoT 3.75K Ch18900 1RB0 BPSK

M

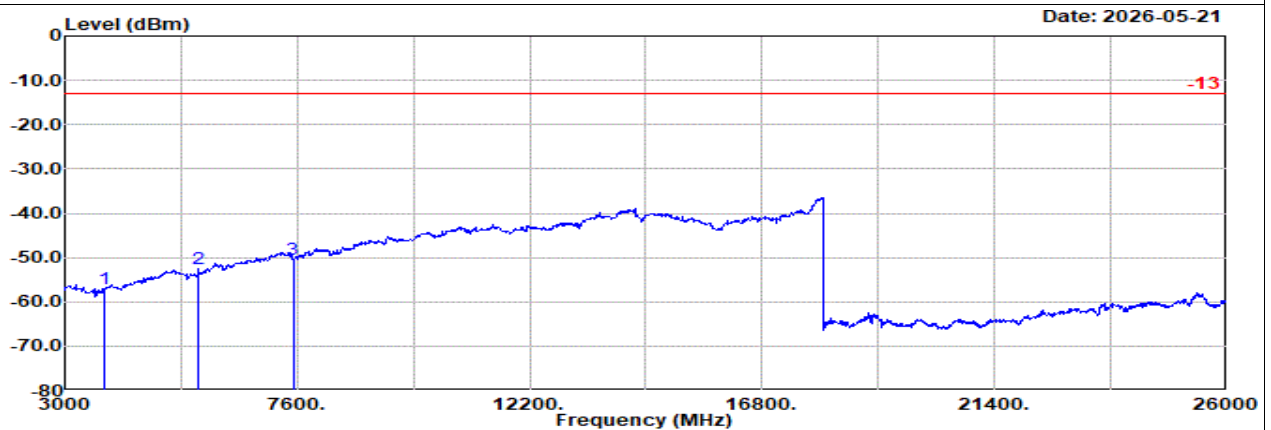


Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Horizontal

: LTE Band 2 NB IoT 3.75K Ch18900 1RB0 BPSK

	Freq	Level	Detector	Ant Amp\Cb Filter				Readin	Limit	Margin	Pol
				Factor	1	EIRPCF					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3765.00	-57.79	RMS	30.02	-24.45	0.87	-95.23	31.00	-13.00	-44.79	Horizontal
2	5640.00	-52.33	RMS	32.94	-22.18	0.84	-95.23	31.30	-13.00	-39.33	Horizontal
3	7515.00	-49.88	RMS	36.07	-21.64	0.16	-95.23	30.76	-13.00	-36.88	Horizontal



Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Vertical

: LTE Band 2 NB IoT 3.75K Ch18900 1RB0 BPSK

	Freq	Level	Detector	Ant Amp\Cb Filter				Readin	Limit	Margin	Pol
				Factor	1	EIRPCF					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3765.00	-57.08	RMS	30.02	-24.45	0.87	-95.23	31.71	-13.00	-44.08	Vertical
2	5640.00	-52.63	RMS	32.94	-22.18	0.84	-95.23	31.00	-13.00	-39.63	Vertical
3	7515.00	-50.34	RMS	36.07	-21.64	0.16	-95.23	30.30	-13.00	-37.34	Vertical

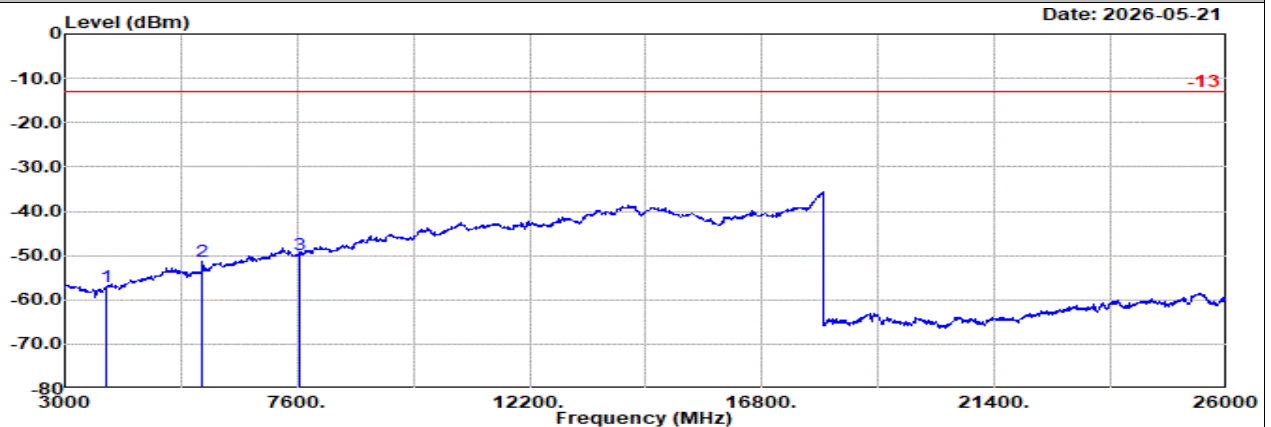


Ant. 0

Part 24E Mode 2

LTE NB IoT B2 NB IoT 3.75K Ch19198 1RB0 BPSK

H

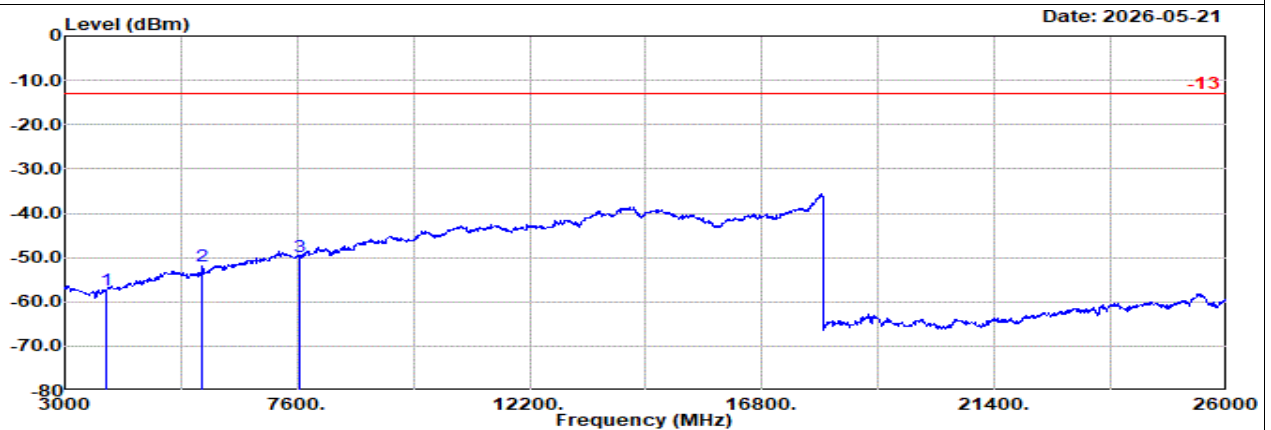


Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Horizontal

: LTE Band 2 NB IoT 3.75K Ch19199 1RB0 BPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF		Readin	Limit	Margin Pol	
				Factor	1							
	MHz	dBm		dB/m	dB	dB	dB	dB	dBuV	dBm	dB	
1	3825.00	-57.10	RMS	30.50	-24.35	0.84	-95.23	31.14	-13.00	-44.10	Horizontal	
2	5730.00	-51.32	RMS	33.52	-22.15	0.64	-95.23	31.90	-13.00	-38.32	Horizontal	
3	7635.00	-49.79	RMS	36.14	-21.61	0.14	-95.23	30.77	-13.00	-36.79	Horizontal	



Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Vertical

: LTE Band 2 NB IoT 3.75K Ch19199 1RB0 BPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF		Readin	Limit	Margin Pol	
				Factor	1							
	MHz	dBm		dB/m	dB	dB	dB	dB	dBuV	dBm	dB	
1	3825.00	-57.29	RMS	30.50	-24.35	0.84	-95.23	30.95	-13.00	-44.29	Vertical	
2	5730.00	-51.94	RMS	33.52	-22.15	0.64	-95.23	31.28	-13.00	-38.94	Vertical	
3	7635.00	-49.80	RMS	36.14	-21.61	0.14	-95.23	30.76	-13.00	-36.80	Vertical	

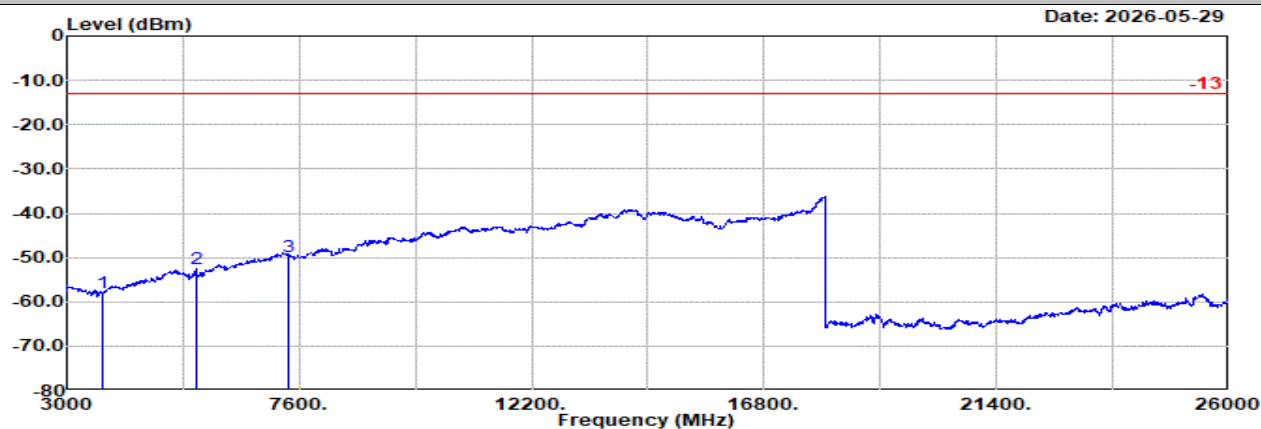


Ant. 0

Part 24E Mode 4

LTE NB IoT B25 NB IoT 3.75K Ch26042 1RB0 BPSK

L

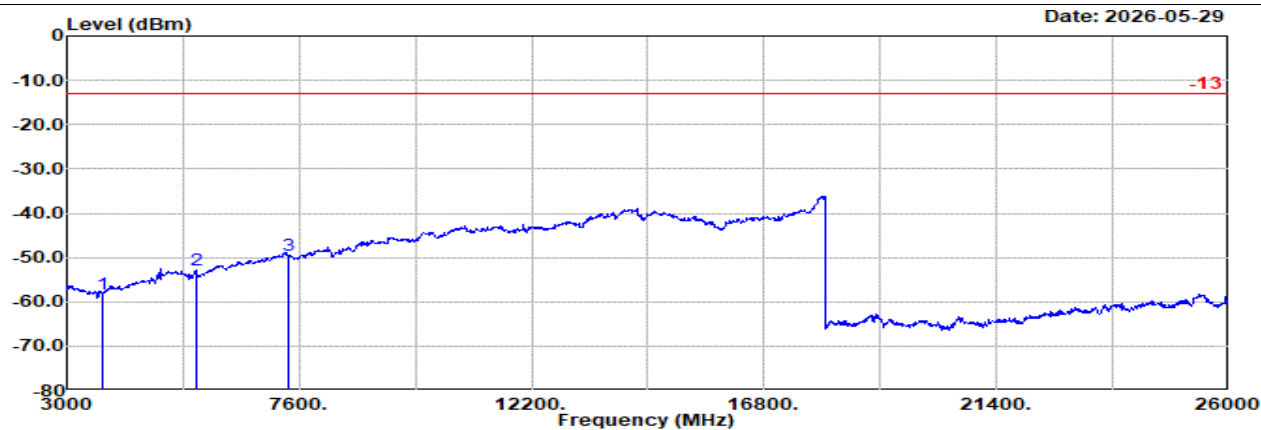


Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Horizontal

: LTE Band 25 NB IoT 3.75K Ch26041 1RB0 BPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF		Readin	Limit	Margin	Pol
				Factor	Amp\Cb		1					
	MHz	dBm										
1	3705.00	-57.94	RMS	29.63	-24.55	0.90	-95.23		0.00	-13.00	-44.94	Horizontal
2	5550.00	-52.61	RMS	32.80	-22.30	0.91	-95.23		31.21	-13.00	-39.61	Horizontal
3	7395.00	-49.82	RMS	36.34	-21.65	0.19	-95.23		30.53	-13.00	-36.82	Horizontal



Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Vertical

: LTE Band 25 NB IoT 3.75K Ch26041 1RB0 BPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF		Readin	Limit	Margin	Pol
				Factor	Amp\Cb		1					
	MHz	dBm										
1	3705.00	-58.17	RMS	29.63	-24.55	0.90	-95.23		31.08	-13.00	-45.17	Vertical
2	5550.00	-52.96	RMS	32.80	-22.30	0.91	-95.23		30.86	-13.00	-39.96	Vertical
3	7395.00	-49.58	RMS	36.34	-21.65	0.19	-95.23		30.77	-13.00	-36.58	Vertical

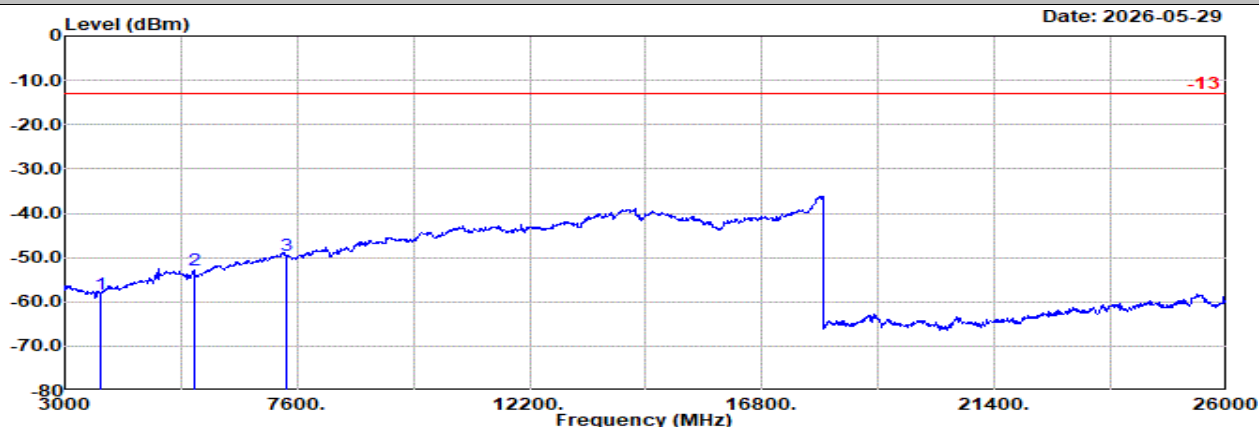


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Part 24E Mode 4

LTE NB IoT B25 NB IoT 3.75K Ch26365 1RB0 BPSK

M

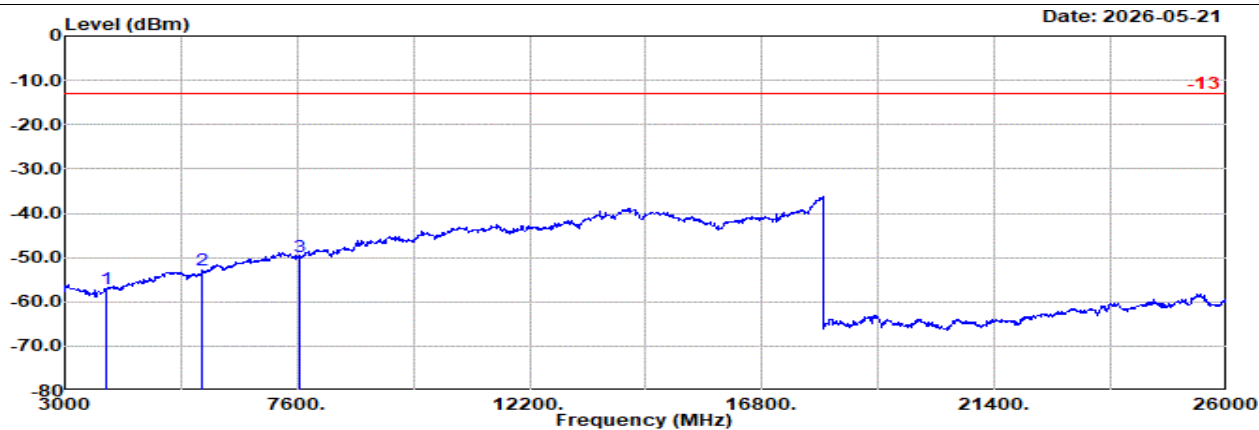


Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Vertical

: LTE Band 25 NB IoT 3.75K Ch26041 1RB0 BPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
				dB/m	dB	dB	dB	dBuV	dBm	dB
1	3705.00	-58.17	RMS	29.63	-24.55	0.90	-95.23	31.08	-13.00	-45.17 Vertical
2	5550.00	-52.96	RMS	32.80	-22.30	0.91	-95.23	30.86	-13.00	-39.96 Vertical
3	7395.00	-49.58	RMS	36.34	-21.65	0.19	-95.23	30.77	-13.00	-36.58 Vertical



Site : 03CH11-HY

Condition: -13 1m SHF_1224_250702 Vertical

: LTE Band 25 NB IoT 3.75K Ch26365 1RB0 BPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
				dB/m	dB	dB	dB	dBuV	dBm	dB
1	3825.00	-56.94	RMS	30.50	-24.35	0.84	-95.23	31.30	-13.00	-43.94 Vertical
2	5730.00	-52.73	RMS	33.52	-22.15	0.64	-95.23	30.49	-13.00	-39.73 Vertical
3	7635.00	-49.94	RMS	36.14	-21.61	0.14	-95.23	30.62	-13.00	-36.94 Vertical

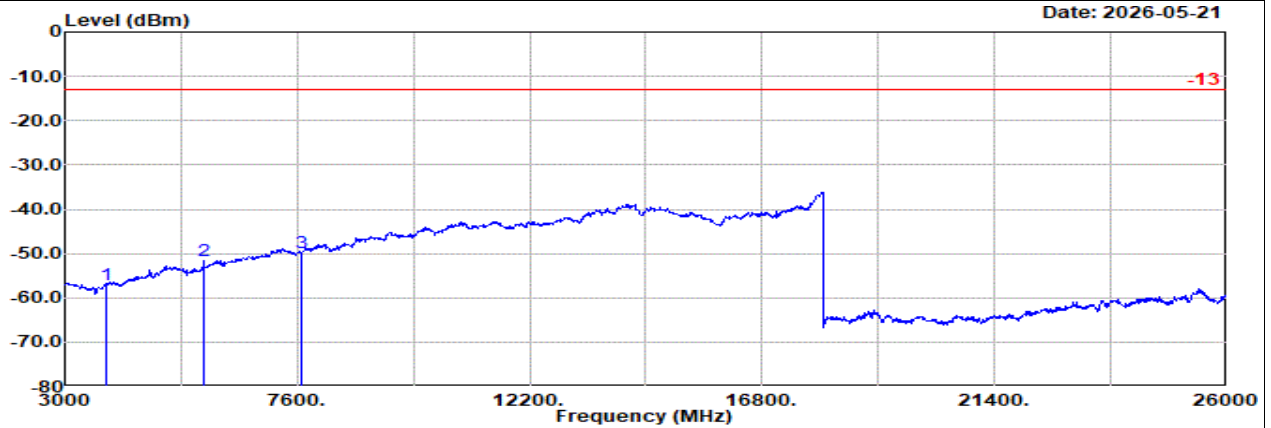


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Part 24E Mode 4

LTE NB IoT B25 NB IoT 3.75K Ch26688 1RB0 BPSK

H

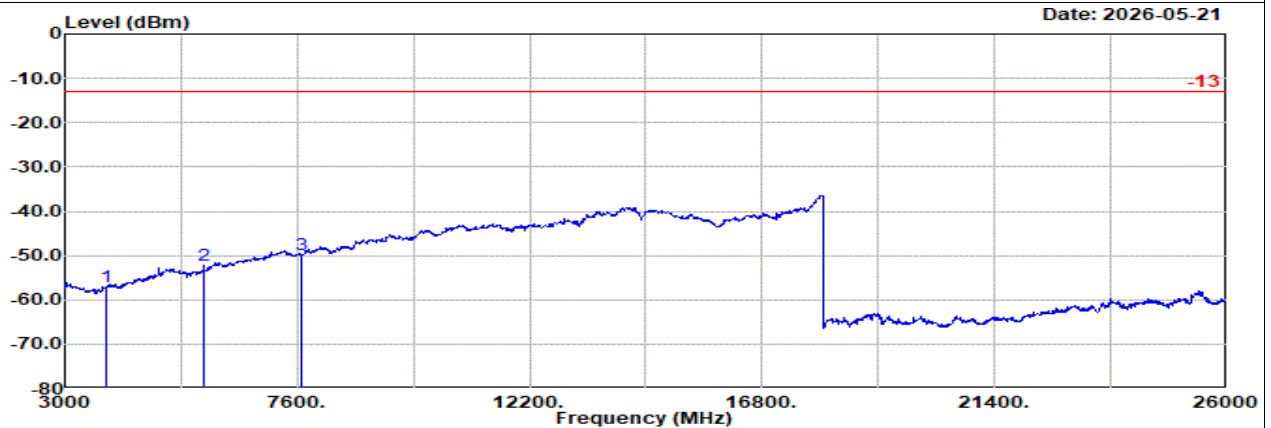


Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Horizontal

: LTE Band 25 NB IoT 3.75K Ch26689 1RB0 BPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF		Readin	Limit	Margin		Pol
				Factor	Amp\Cb		1						
	MHz	dBm											
1	3825.00	-57.16	RMS	30.50	-24.35	0.84	-95.23		31.08	-13.00	-44.16		Horizontal
2	5745.00	-51.65	RMS	33.58	-22.14	0.61	-95.23		31.53	-13.00	-38.65		Horizontal
3	7665.00	-49.78	RMS	36.23	-21.61	0.15	-95.23		30.68	-13.00	-36.78		Horizontal



Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Vertical

: LTE Band 25 NB IoT 3.75K Ch26689 1RB0 BPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF		Readin	Limit	Margin		Pol
				Factor	Amp\Cb		1						
	MHz	dBm											
1	3825.00	-57.16	RMS	30.50	-24.35	0.84	-95.23		31.08	-13.00	-44.16		Vertical
2	5745.00	-52.09	RMS	33.58	-22.14	0.61	-95.23		31.09	-13.00	-39.09		Vertical
3	7665.00	-49.71	RMS	36.23	-21.61	0.15	-95.23		30.75	-13.00	-36.71		Vertical

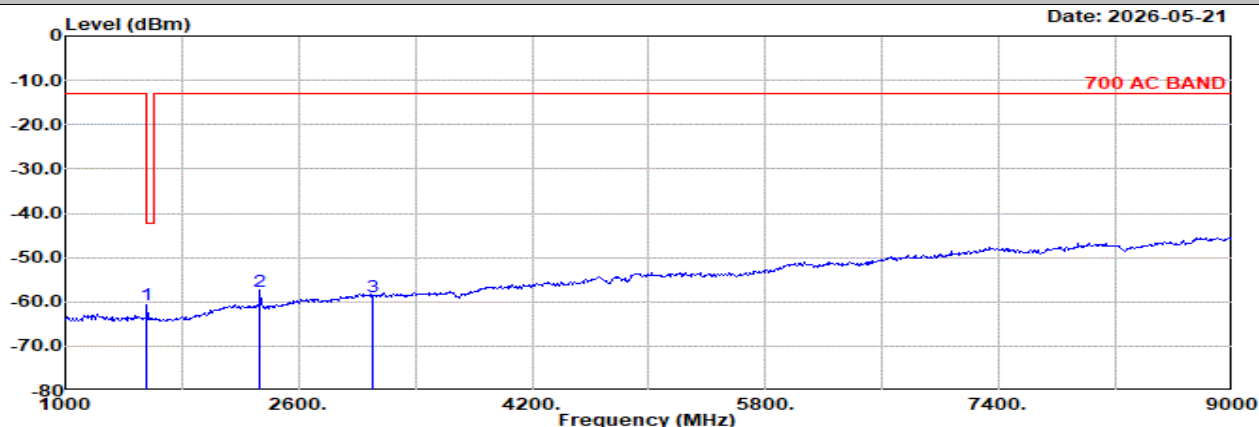


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Part 27F Mode 2

LTE NB IoT B13 NB IoT 3.75K Ch23182 1RB0 QPSK

L

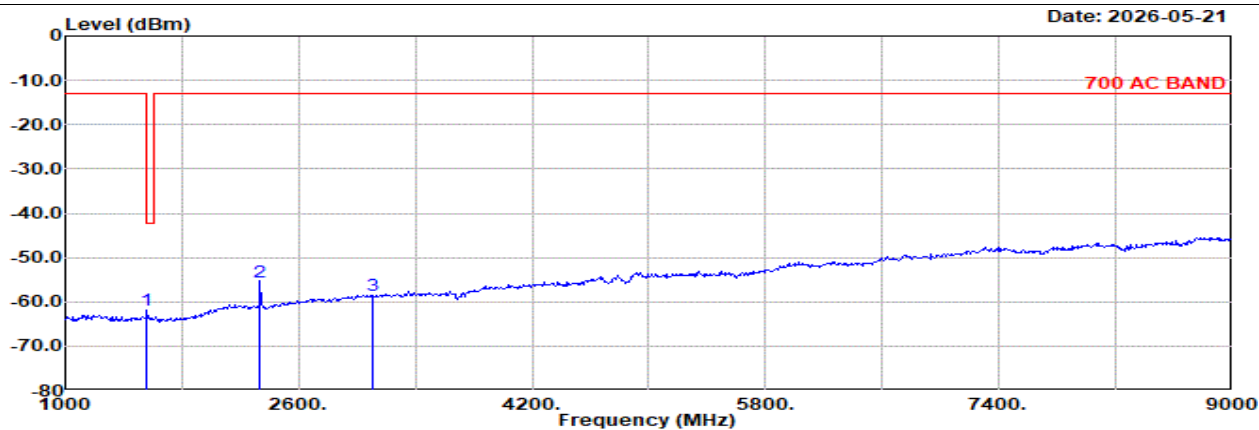


Site : 03CH11-HY

Condition: 700 AC BAND 3m 9120D_01620_250915 Horizontal

: LTE Band 13 3.75k Ch23182 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
1	1555.00	-60.81	RMS	25.30	-28.45	0.34	-95.23	37.23	-13.00	-47.81 Horizontal
2	2332.00	-57.52	RMS	27.20	-26.55	0.26	-95.23	36.80	-13.00	-44.52 Horizontal
3	3109.00	-58.73	RMS	29.62	-25.38	0.24	-95.23	32.02	-13.00	-45.73 Horizontal



Site : 03CH11-HY

Condition: 700 AC BAND 3m 9120D_01620_250915 Vertical

: LTE Band 13 3.75k Ch23182 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
1	1555.00	-61.91	RMS	25.30	-28.45	0.34	-95.23	36.13	-13.00	-48.91 Vertical
2	2332.00	-55.43	RMS	27.20	-26.55	0.26	-95.23	38.89	-13.00	-42.43 Vertical
3	3109.00	-58.62	RMS	29.62	-25.38	0.24	-95.23	32.13	-13.00	-45.62 Vertical

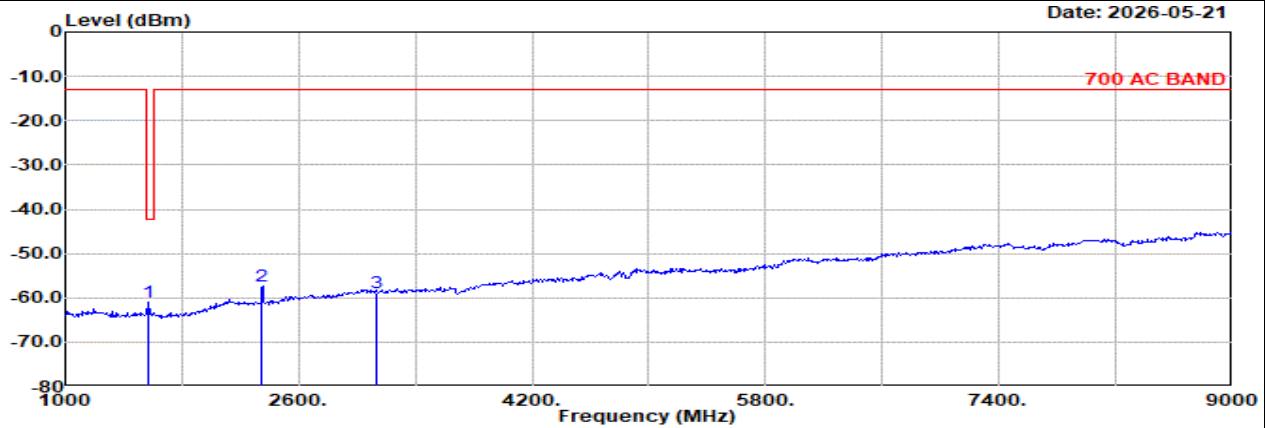


Ant. 0

Part 27F Mode 2

LTE NB IoT B13 NB IoT 3.75K Ch23230 1RB0 QPSK

M

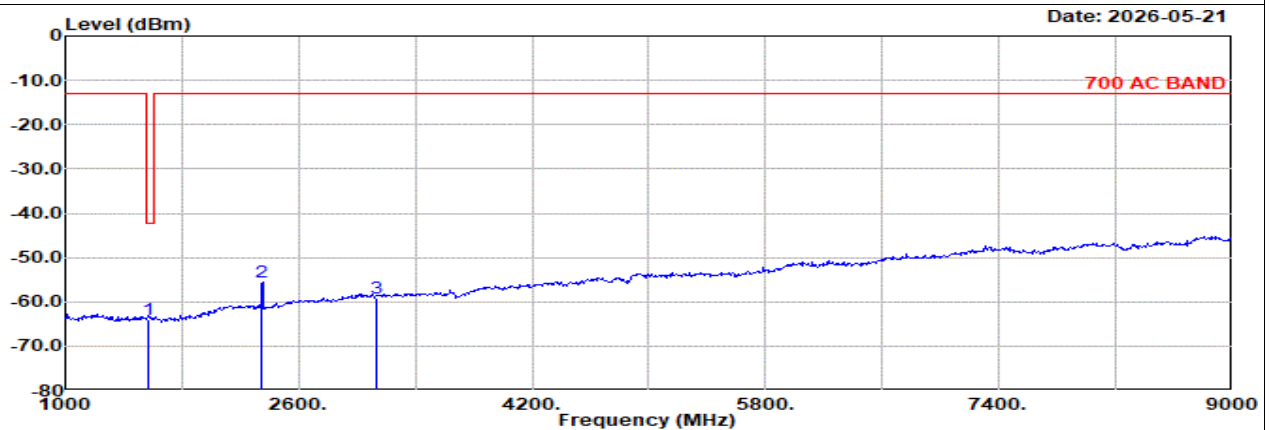


Site : 03CH11-HY

Condition: 700 AC BAND 3m 9120D_01620_250915 Horizontal

: LTE Band 13 3.75k 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	1564.00	-60.97	RMS	25.30	-28.42	0.34	-95.23	37.04	-42.15	-18.82	Horizontal
2	2346.00	-57.30	RMS	27.20	-26.52	0.26	-95.23	36.99	-13.00	-44.30	Horizontal
3	3128.00	-58.79	RMS	29.66	-25.35	0.24	-95.23	31.89	-13.00	-45.79	Horizontal



Site : 03CH11-HY

Condition: 700 AC BAND 3m 9120D_01620_250915 Vertical

: LTE Band 13 3.75k Ch23230 1RB0 QPSK

	Freq	Level	Detector	Ant	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	1			g			
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1564.00	-64.01	RMS	25.30	-28.42	0.34	-95.23	34.00	-42.15	-21.86	Vertical
2	2346.00	-55.68	RMS	27.20	-26.52	0.26	-95.23	38.61	-13.00	-42.68	Vertical
3	3128.00	-59.19	RMS	29.66	-25.35	0.24	-95.23	31.49	-13.00	-46.19	Vertical

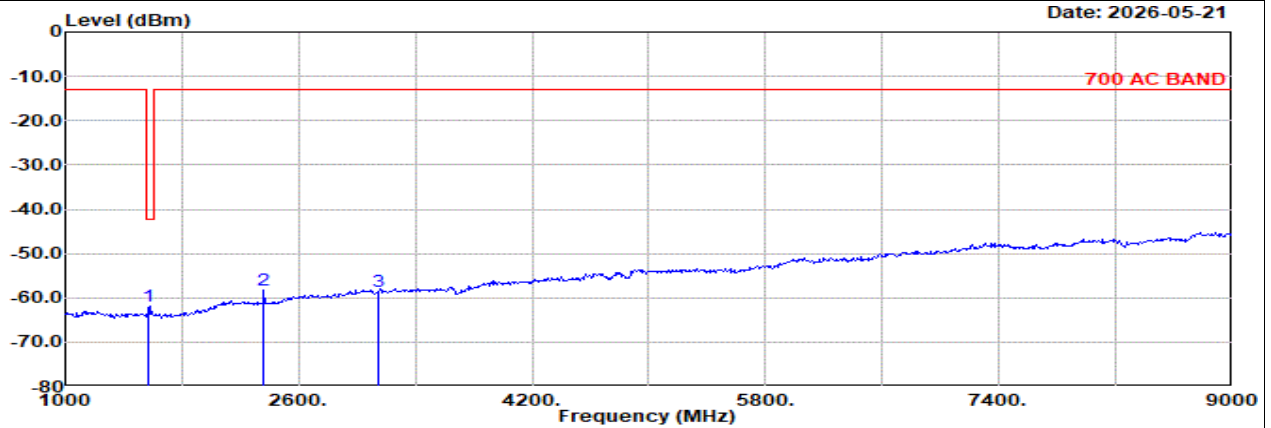


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Part 27F Mode 2

LTE NB IoT B13 NB IoT 3.75K Ch23278 1RB0 QPSK

H

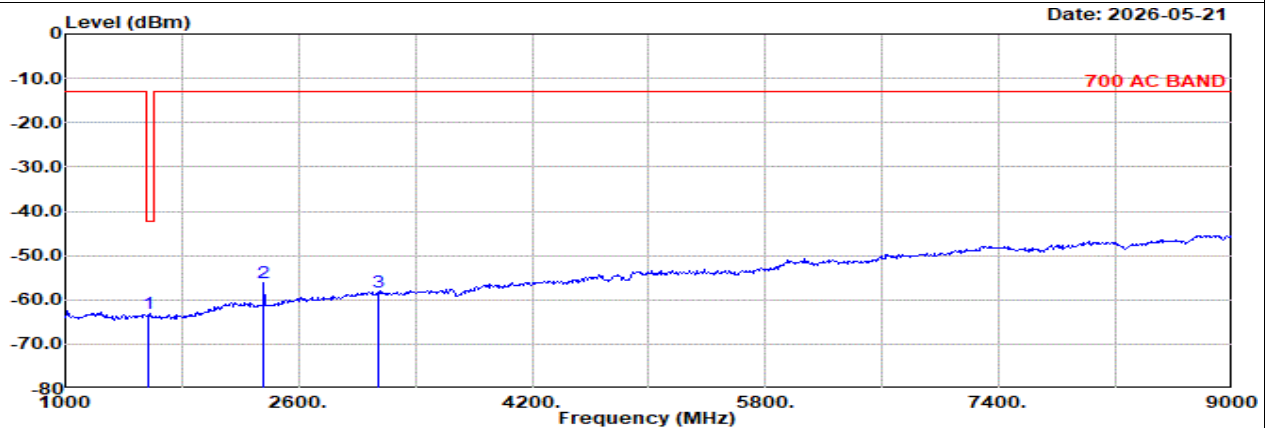


Site : 03CH11-HY

Condition: 700 AC BAND 3m 9120D_01620_250915 Horizontal

: LTE Band 13 3.75k Ch23278 1RB0 QPSK

	Freq	Level	Detector	Ant	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	1			g	g		
	MHz	dBm		dB/m	dB	dB		dBuV	dBm		
1	1574.00	-61.88	RMS	25.34	-28.39	0.33	-95.23	36.07	-42.15	-19.73	Horizontal
2	2360.00	-58.27	RMS	27.20	-26.49	0.25	-95.23	36.00	-13.00	-45.27	Horizontal
3	3147.00	-58.49	RMS	29.69	-25.33	0.24	-95.23	32.14	-13.00	-45.49	Horizontal



Site : 03CH11-HY

Condition: 700 AC BAND 3m 9120D_01620_250915 Vertical

: LTE Band 13 3.75k Ch23278 1RB0 QPSK

	Freq	Level	Detector	Ant	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	1			g	dBm		
	MHz	dBm		dB/m	dB	dB		dBuV	dBm		dB
1	1574.00	-63.22	RMS	25.34	-28.39	0.33	-95.23	34.73	-42.15	-21.07	Vertical
2	2360.00	-56.15	RMS	27.20	-26.49	0.25	-95.23	38.12	-13.00	-43.15	Vertical
3	3147.00	-58.37	RMS	29.69	-25.33	0.24	-95.23	32.26	-13.00	-45.37	Vertical

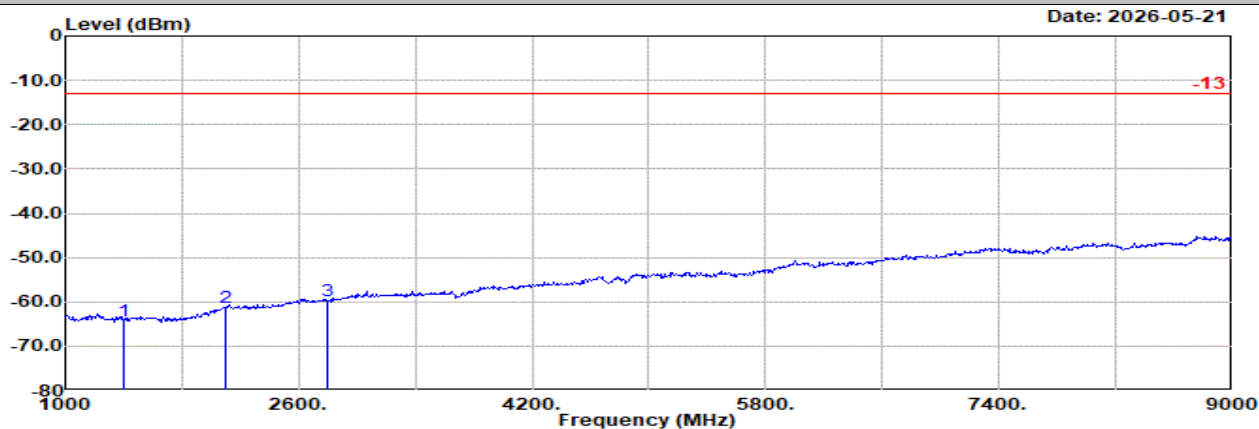


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Part 27H Mode 2

LTE NB IoT B12 NB IoT 3.75K Ch23012 1RB0 BPSK

L

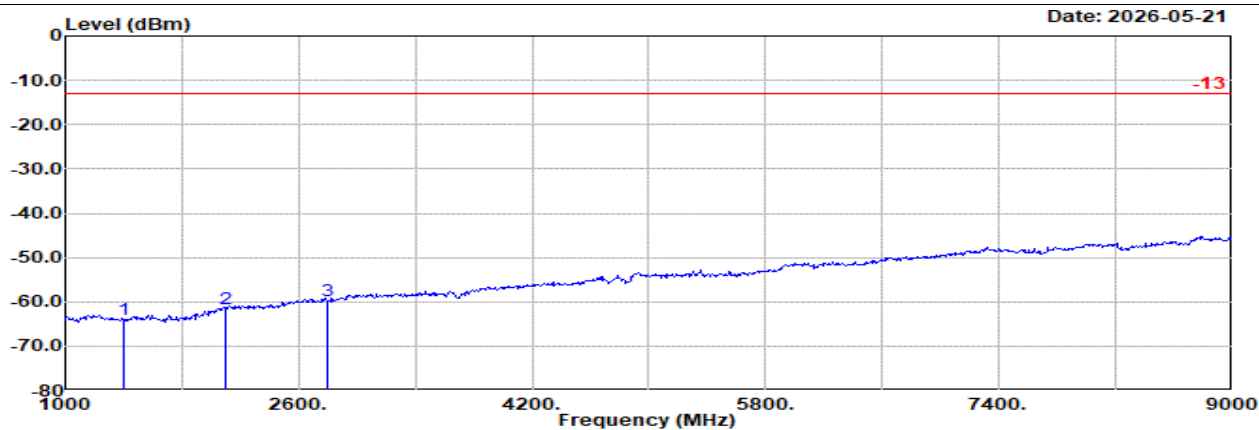


Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Horizontal

: LTE Band 12 3.75k Ch23012 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb		Filter	EIRPCF		Readin g	Limit	Margin	Pol
				Factor	1		dB	dB				
1	1398.00	-64.25	RMS	25.64	-29.29	0.41	-95.23	34.22	-13.00	-51.25	Horizontal	
2	2098.00	-61.36	RMS	27.20	-26.99	0.24	-95.23	33.42	-13.00	-48.36	Horizontal	
3	2797.00	-59.77	RMS	28.20	-25.80	0.18	-95.23	32.88	-13.00	-46.77	Horizontal	



Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Vertical

: LTE Band 12 3.75k Ch23012 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb		Filter	EIRPCF		Readin g	Limit	Margin	Pol
				Factor	1		dB	dB				
1	1398.00	-63.95	RMS	25.64	-29.29	0.41	-95.23	34.52	-13.00	-50.95	Vertical	
2	2098.00	-61.61	RMS	27.20	-26.99	0.24	-95.23	33.17	-13.00	-48.61	Vertical	
3	2797.00	-59.76	RMS	28.20	-25.80	0.18	-95.23	32.89	-13.00	-46.76	Vertical	

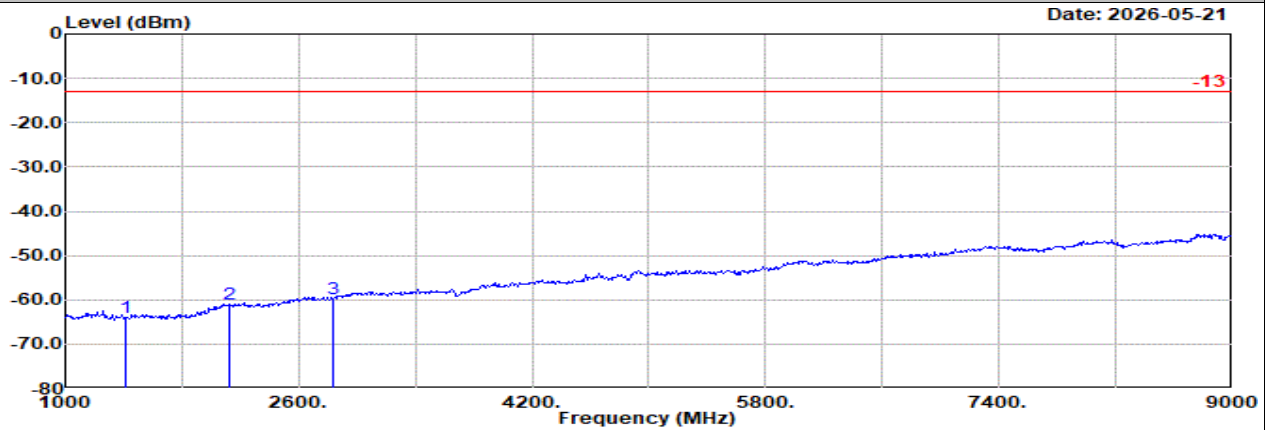


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Part 27H Mode 2

LTE NB IoT B12 NB IoT 3.75K Ch23095 1RB0 BPSK

M

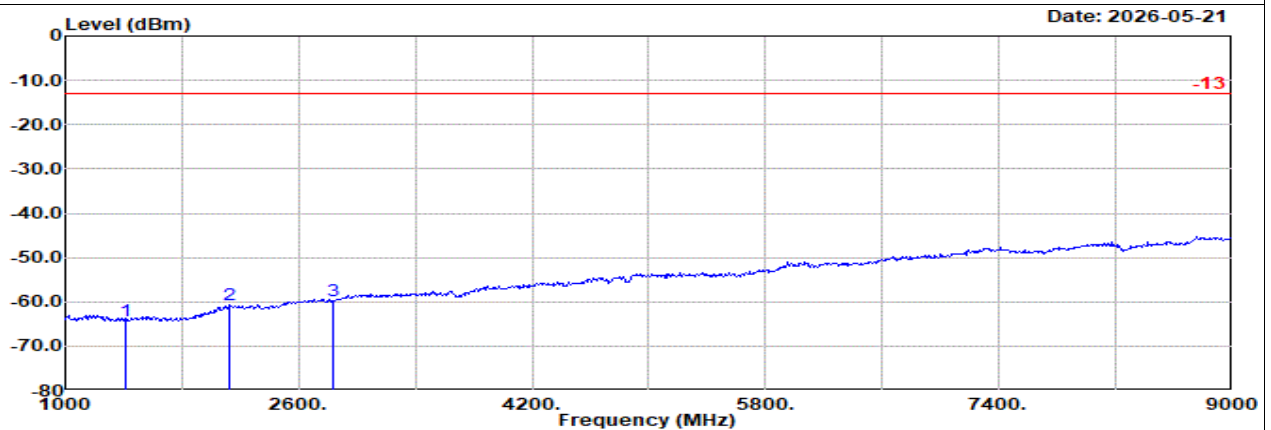


Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Horizontal

: LTE Band 12 3.75k Ch23095 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1						
1	1416.00	-64.14	RMS	25.44	-29.18	0.40	-95.23	34.43	-13.00	-51.14	Horizontal
2	2123.00	-61.03	RMS	27.37	-26.95	0.26	-95.23	33.52	-13.00	-48.03	Horizontal
3	2830.00	-59.70	RMS	28.30	-25.75	0.19	-95.23	32.79	-13.00	-46.70	Horizontal



Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Vertical

: LTE Band 12 3.75k Ch23095 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1						
1	1416.00	-64.35	RMS	25.44	-29.18	0.40	-95.23	34.22	-13.00	-51.35	Vertical
2	2123.00	-60.81	RMS	27.37	-26.95	0.26	-95.23	33.74	-13.00	-47.81	Vertical
3	2830.00	-59.78	RMS	28.30	-25.75	0.19	-95.23	32.71	-13.00	-46.78	Vertical

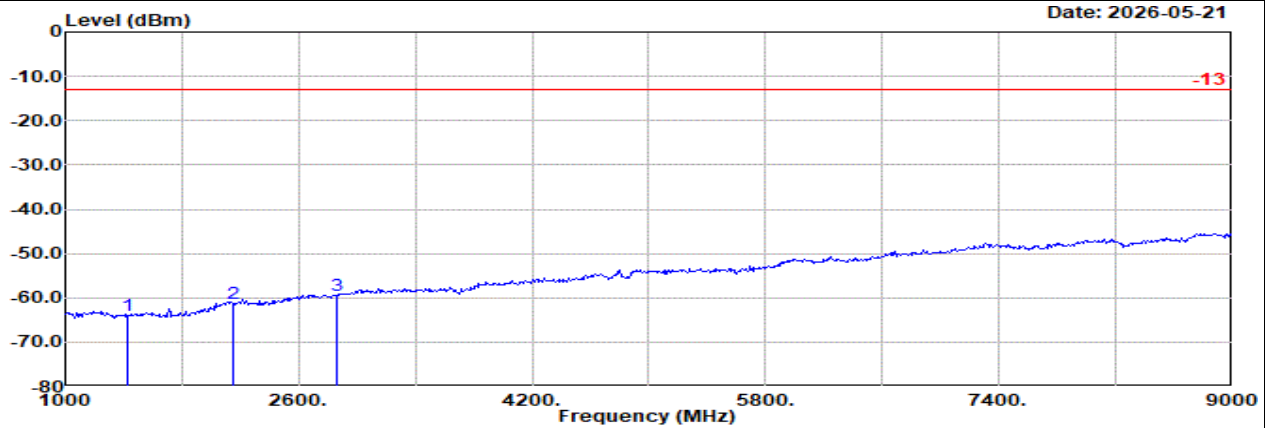


Ant. 0

Part 27H Mode 2

LTE NB IoT B12 NB IoT 3.75K Ch23178 1RB0 BPSK

H

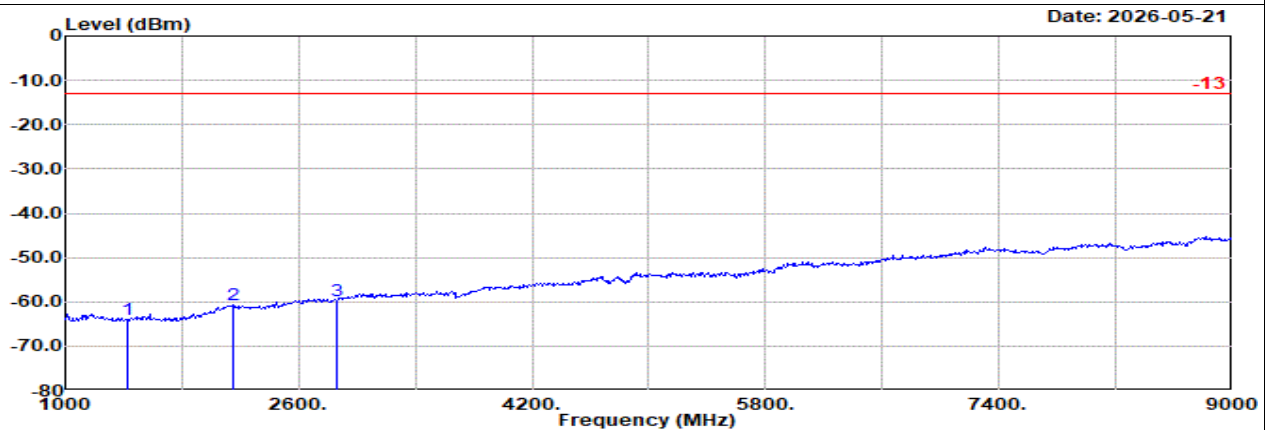


Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Horizontal

: LTE Band 12 3.75k Ch23178 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1						
1	1432.00	-63.91	RMS	25.48	-29.07	0.40	-95.23	34.51	-13.00	-50.91	Horizontal
2	2147.00	-61.23	RMS	27.20	-26.92	0.27	-95.23	33.45	-13.00	-48.23	Horizontal
3	2863.00	-59.45	RMS	28.43	-25.71	0.20	-95.23	32.86	-13.00	-46.45	Horizontal



Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Vertical

: LTE Band 12 3.75k Ch23178 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1						
1	1432.00	-63.96	RMS	25.48	-29.07	0.40	-95.23	34.46	-13.00	-50.96	Vertical
2	2147.00	-60.67	RMS	27.20	-26.92	0.27	-95.23	34.01	-13.00	-47.67	Vertical
3	2863.00	-59.69	RMS	28.43	-25.71	0.20	-95.23	32.62	-13.00	-46.69	Vertical

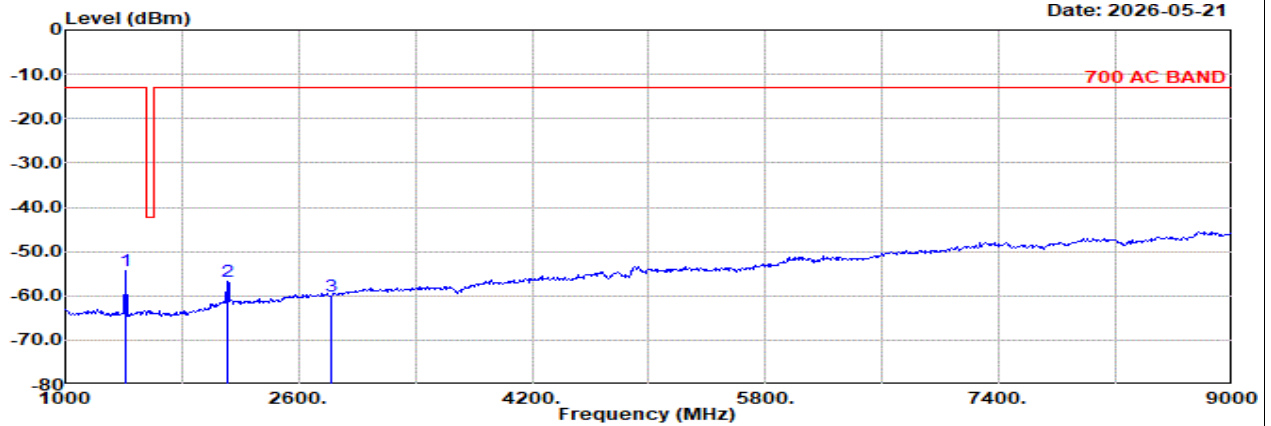


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Part 27H Mode 3

LTE NB IoT B17 NB IoT 3.75K Ch23732 1RB0 BPSK

L

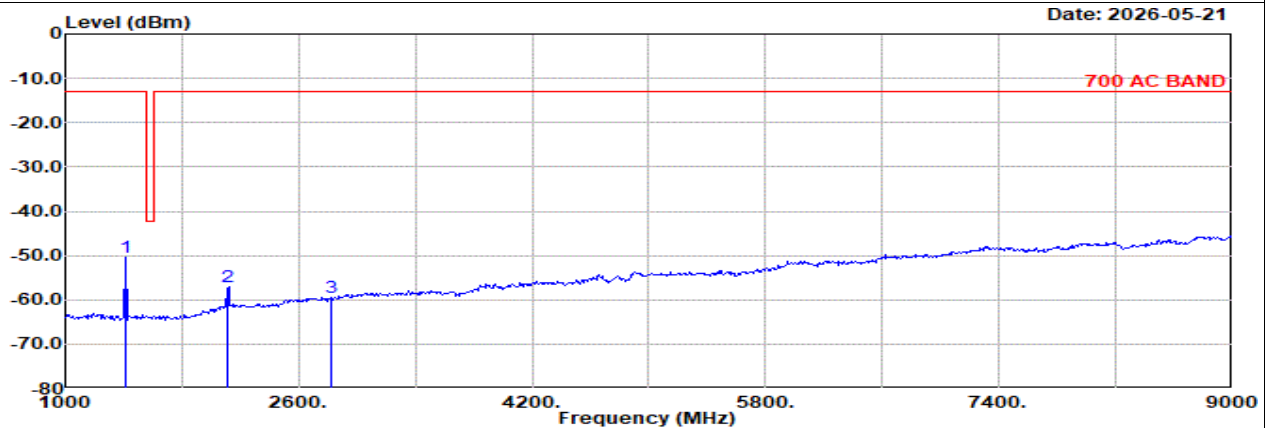


Site : 03CH11-HY

Condition: 700 AC BAND 3m 9120D_01620_250915 Horizontal

: LTE Band 17 NB IoT 3.75K Ch23732 1RB0 BPSK

	Freq	Level	Detector	Ant	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	1			g	g		
	MHz	dBm		dB/m	dB	dB		dBuV	dBm		dB
1	1408.40	-54.22	RMS	25.52	-29.22	0.41	-95.23	44.30	-13.00	-41.22	Horizontal
2	2112.60	-56.89	RMS	27.40	-26.97	0.25	-95.23	37.66	-13.00	-43.89	Horizontal
3	2816.80	-60.03	RMS	28.20	-25.77	0.18	-95.23	32.59	-13.00	-47.03	Horizontal



Site : 03CH11-HY

Condition: 700 AC BAND 3m 9120D_01620_250915 Vertical

: LTE Band 17 NB IoT 3.75K Ch23732 1RB0 BPSK

	Freq	Level	Detector	Ant	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	1			g	g		
	MHz	dBm		dB/m	dB	dB		dBuV	dBm		
1	1408.40	-50.49	RMS	25.52	-29.22	0.41	-95.23	48.03	-13.00	-37.49	Vertical
2	2112.60	-57.02	RMS	27.40	-26.97	0.25	-95.23	37.53	-13.00	-44.02	Vertical
3	2816.80	-59.61	RMS	28.20	-25.77	0.18	-95.23	33.01	-13.00	-46.61	Vertical

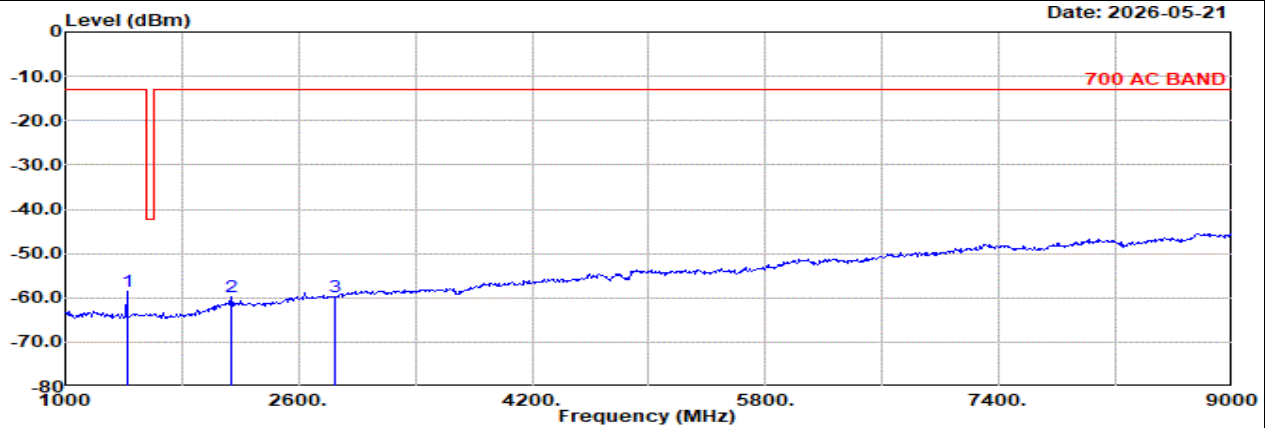


Ant. 0

Part 27H Mode 3

LTE NB IoT B17 NB IoT 3.75K Ch23790 1RB0 BPSK

M

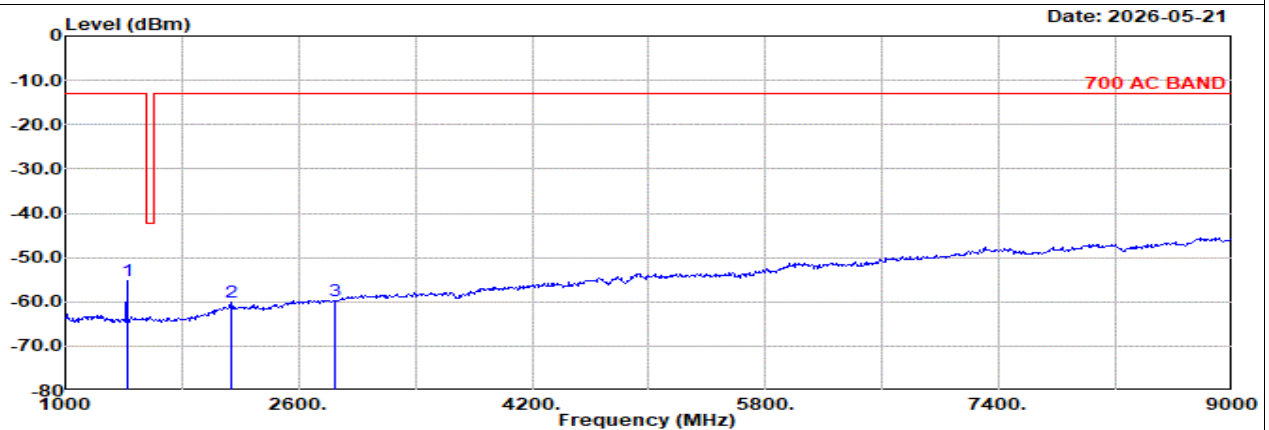


Site : 03CH11-HY

Condition: 700 AC BAND 3m 9120D_01620_250915 Horizontal

: LTE Band 17 NB IoT 3.75K Ch23790 1RB0 BPSK

	Freq	Level	Detector	Ant	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	1				g		
	MHz	dBm		dB/m	dB	dB		dBuV	dBm	dB	
1	1424.00	-58.44	RMS	25.44	-29.12	0.40	-95.23	40.07	-13.00	-45.44	Horizontal
2	2136.00	-59.71	RMS	27.24	-26.93	0.27	-95.23	34.94	-13.00	-46.71	Horizontal
3	2848.00	-59.69	RMS	28.40	-25.73	0.19	-95.23	32.68	-13.00	-46.69	Horizontal



Site : 03CH11-HY

Condition: 700 AC BAND 3m 9120D_01620_250915 Vertical

: LTE Band 17 NB IoT 3.75K Ch23790 1RB0 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb 1	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dBuV	dBm	dB	
1	1424.00	-55.20	RMS	25.44	-29.12	0.40	-95.23	43.31	-13.00	-42.20	Vertical
2	2136.00	-60.00	RMS	27.24	-26.93	0.27	-95.23	34.65	-13.00	-47.00	Vertical
3	2848.00	-59.64	RMS	28.40	-25.73	0.19	-95.23	32.73	-13.00	-46.64	Vertical

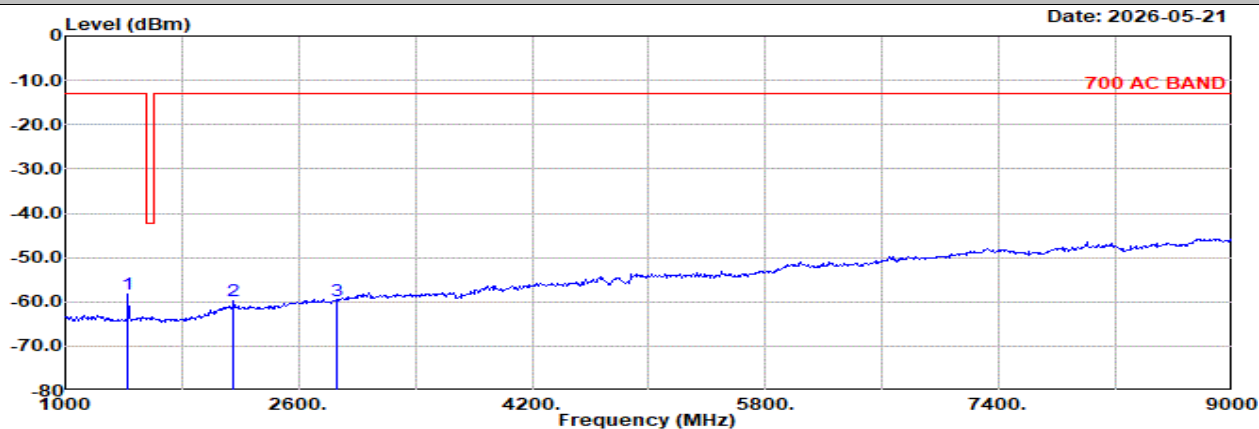


Ant. 0

Part 27H Mode 3

LTE NB IoT B17 NB IoT 3.75K Ch23848 1RB0 BPSK

H

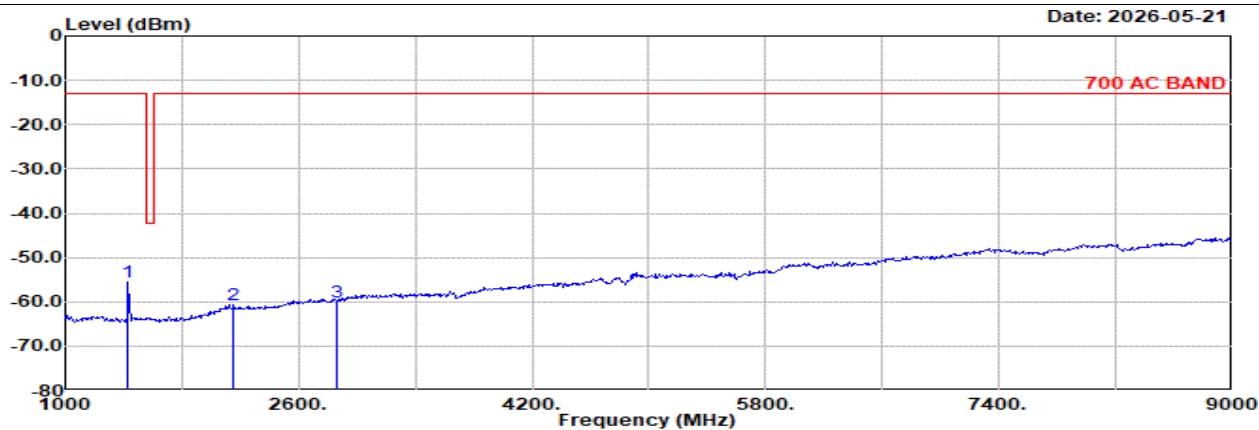


Site : 03CH11-HY

Condition: 700 AC BAND 3m 9120D_01620_250915 Horizontal

: LTE Band 17 NB IoT 3.75K Ch23848 1RB0 BPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin	Pol	
				Factor	1						
	MHz	dBm		dB/m	dB	dB	dBuV	dBm			
1	1431.60	-58.31	RMS	25.48	-29.07	0.40	-95.23	40.11	-13.00	-45.31	Horizontal
2	2147.40	-59.79	RMS	27.20	-26.91	0.27	-95.23	34.88	-13.00	-46.79	Horizontal
3	2863.20	-59.81	RMS	28.43	-25.71	0.20	-95.23	32.50	-13.00	-46.81	Horizontal



Site : 03CH11-HY

Condition: 700 AC BAND 3m 9120D_01620_250915 Vertical

: LTE Band 17 NB IoT 3.75K Ch23848 1RB0 BPSK

	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	1431.60	-55.65	RMS	25.48	-29.07	0.40	-95.23	42.77	-13.00	-42.65	Vertical
2	2147.40	-60.62	RMS	27.20	-26.91	0.27	-95.23	34.05	-13.00	-47.62	Vertical
3	2863.20	-59.98	RMS	28.43	-25.71	0.20	-95.23	32.33	-13.00	-46.98	Vertical

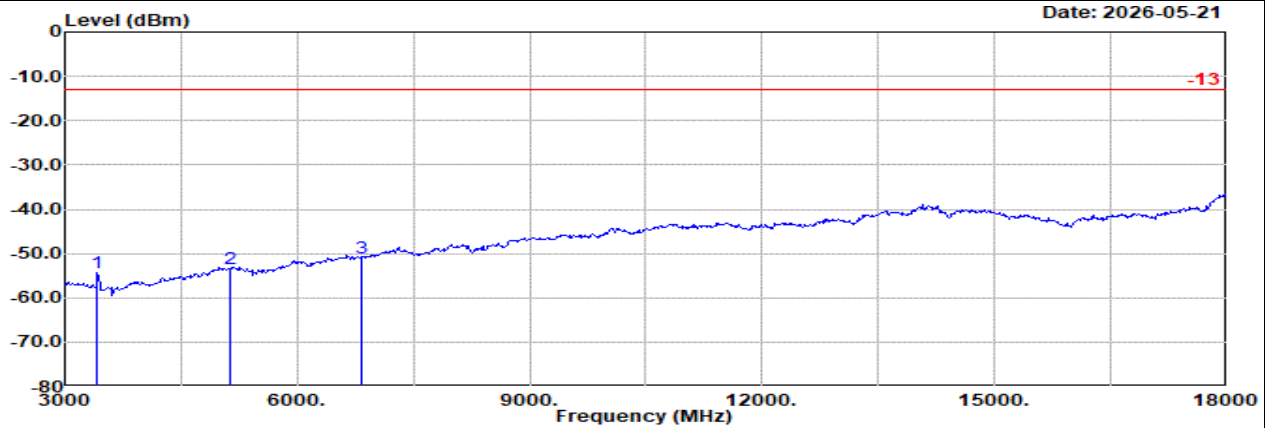


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Part 27L Mode 2

LTE NB IoT B4 NB IoT 3.75K Ch19952 1RB0 BPSK

L

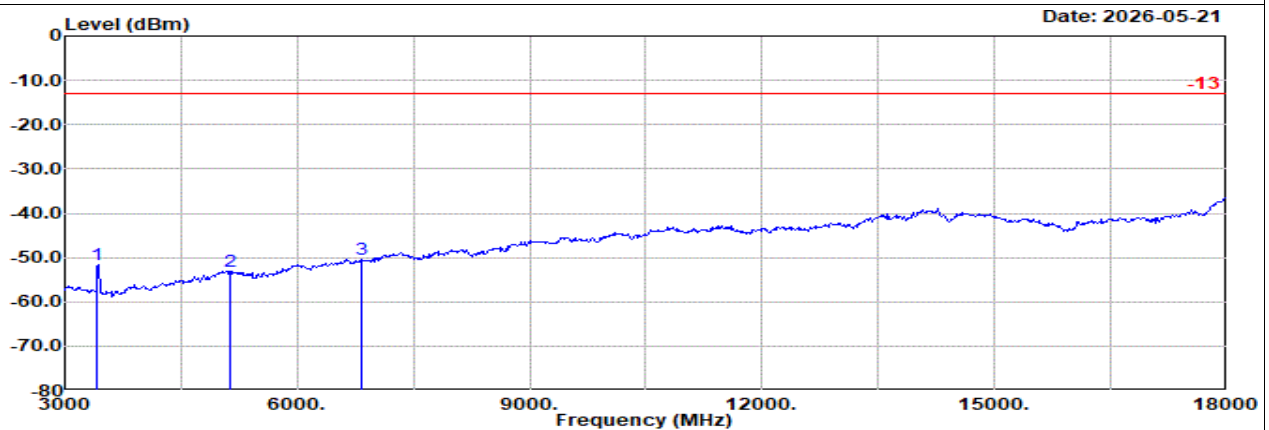


Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Horizontal

: LTE Band 4 NB IoT 3.75K Ch19952 1RB0 BPSK

	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	3420.00	-54.29	RMS	29.46	-24.97	1.05	-95.23	35.40	-13.00	-41.29	Horizontal
2	5130.00	-53.28	RMS	32.96	-22.49	0.92	-95.23	30.55	-13.00	-40.28	Horizontal
3	6840.00	-51.11	RMS	35.72	-22.13	0.35	-95.23	30.18	-13.00	-38.11	Horizontal



Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Vertical

: LTE Band 4 NB IoT 3.75K Ch19952 1RB0 BPSK

	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	3420.00	-51.61	RMS	29.46	-24.97	1.05	-95.23	38.08	-13.00	-38.61	Vertical
2	5130.00	-53.17	RMS	32.96	-22.49	0.92	-95.23	30.66	-13.00	-40.17	Vertical
3	6840.00	-50.53	RMS	35.72	-22.13	0.35	-95.23	30.76	-13.00	-37.53	Vertical

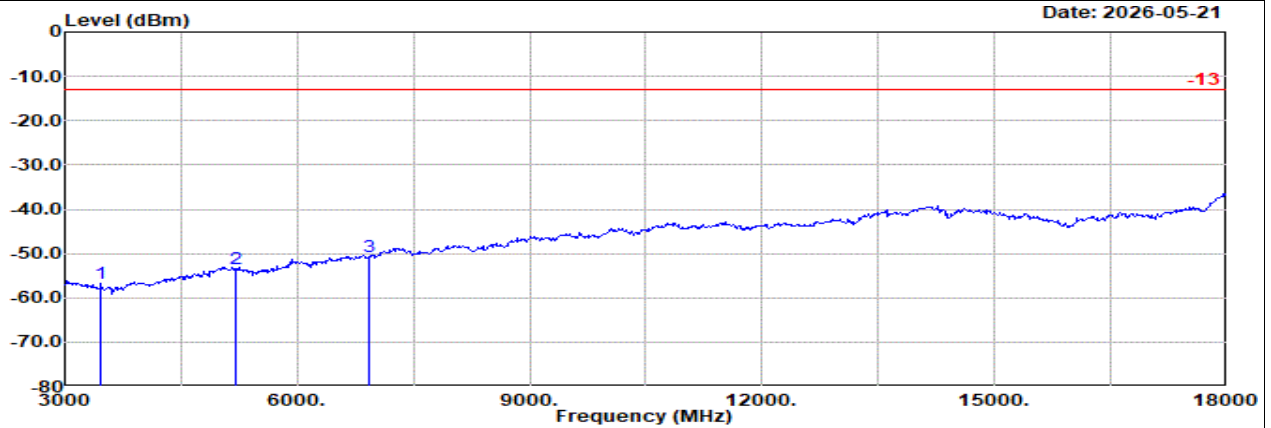


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Part 27L Mode 2

LTE NB IoT B4 NB IoT 3.75K Ch20175 1RB0 BPSK

M

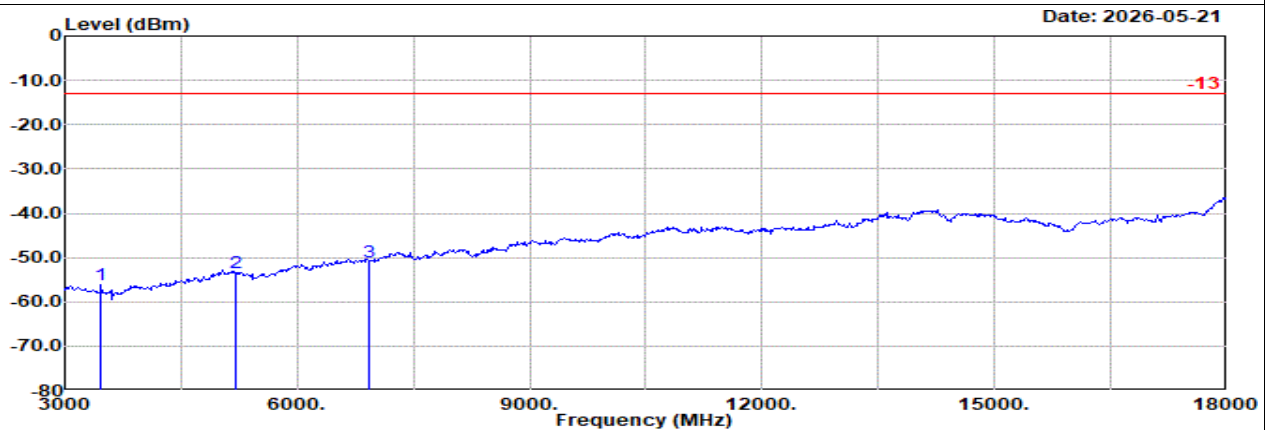


Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Horizontal

: LTE Band 4 NB IoT 3.75K Ch20175 1RB0 BPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	Amp\Cb						
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3465.00	-56.75	RMS	29.40	-24.92	1.02	-95.23	32.98	-13.00	-43.75	Horizontal
2	5205.00	-53.52	RMS	32.98	-22.39	0.90	-95.23	30.22	-13.00	-40.52	Horizontal
3	6930.00	-50.68	RMS	35.80	-21.92	0.34	-95.23	30.33	-13.00	-37.68	Horizontal



Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Vertical

: LTE Band 4 NB IoT 3.75K Ch20175 1RB0 BPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	Amp\Cb						
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3465.00	-56.19	RMS	29.40	-24.92	1.02	-95.23	33.54	-13.00	-43.19	Vertical
2	5205.00	-53.52	RMS	32.98	-22.39	0.90	-95.23	30.22	-13.00	-40.52	Vertical
3	6930.00	-50.90	RMS	35.80	-21.92	0.34	-95.23	30.11	-13.00	-37.90	Vertical

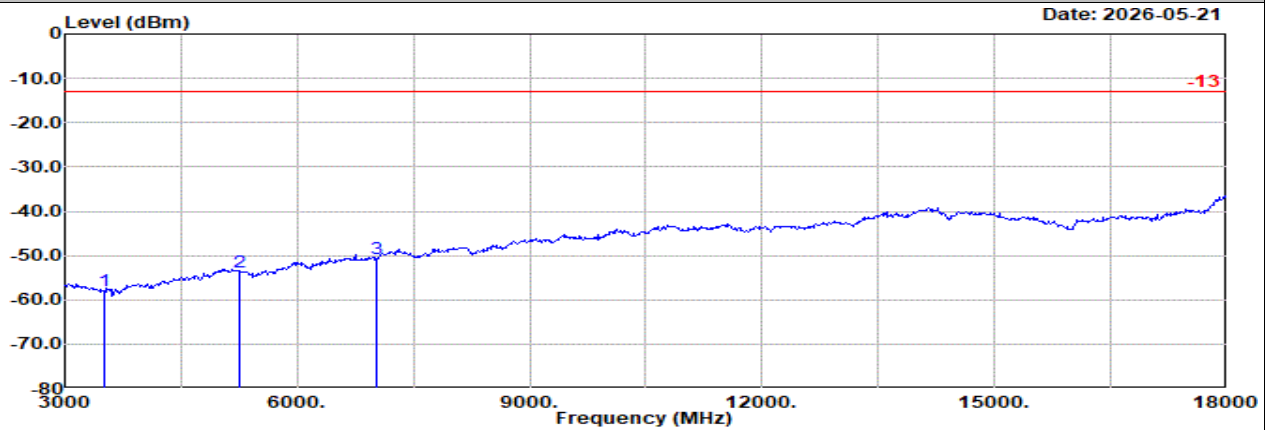


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Part 27L Mode 2

LTE NB IoT B4 NB IoT 3.75K Ch20398 1RB0 BPSK

H

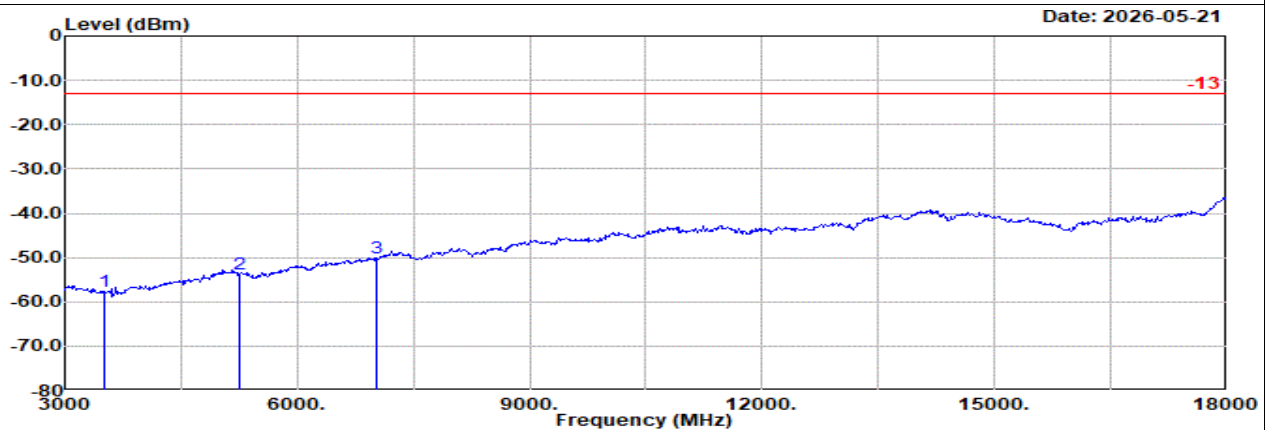


Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Horizontal

: LTE Band 4 NB IoT 3.75K Ch20398 1RB0 BPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF		Readin	Limit	Margin	Pol
				Factor	Amp\Cb		1					
	MHz	dBm		dB/m	dB	dB	dB	dB	dBuV	dBm	dB	
1	3510.00	-58.04	RMS	29.40	-24.87	0.99	-95.23	31.67	-13.00	-45.04	Horizontal	
2	5265.00	-53.60	RMS	32.80	-22.46	0.88	-95.23	30.41	-13.00	-40.60	Horizontal	
3	7020.00	-50.57	RMS	35.84	-21.75	0.33	-95.23	30.24	-13.00	-37.57	Horizontal	



Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Vertical

: LTE Band 4 NB IoT 3.75K Ch20398 1RB0 BPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF		Readin	Limit	Margin	Pol
				Factor	Amp\Cb		1					
	MHz	dBm		dB/m	dB	dB	dB	dB	dBuV	dBm	dB	
1	3510.00	-57.58	RMS	29.40	-24.87	0.99	-95.23	32.13	-13.00	-44.58	Vertical	
2	5265.00	-53.80	RMS	32.80	-22.46	0.88	-95.23	30.21	-13.00	-40.80	Vertical	
3	7020.00	-50.26	RMS	35.84	-21.75	0.33	-95.23	30.55	-13.00	-37.26	Vertical	

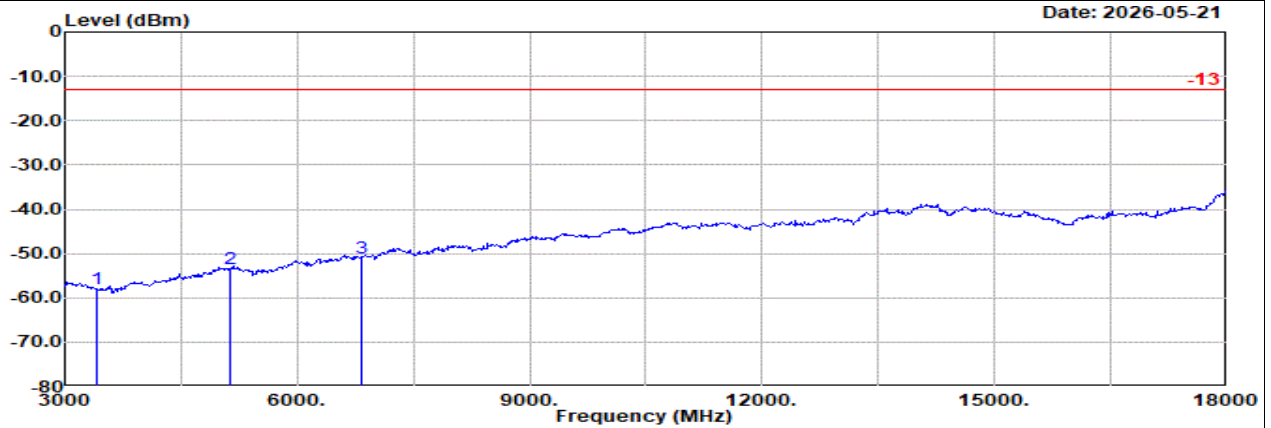


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Part 27L Mode 4

LTE NB IoT B66 NB IoT 3.75K Ch131974 1RB0 BPSK

L

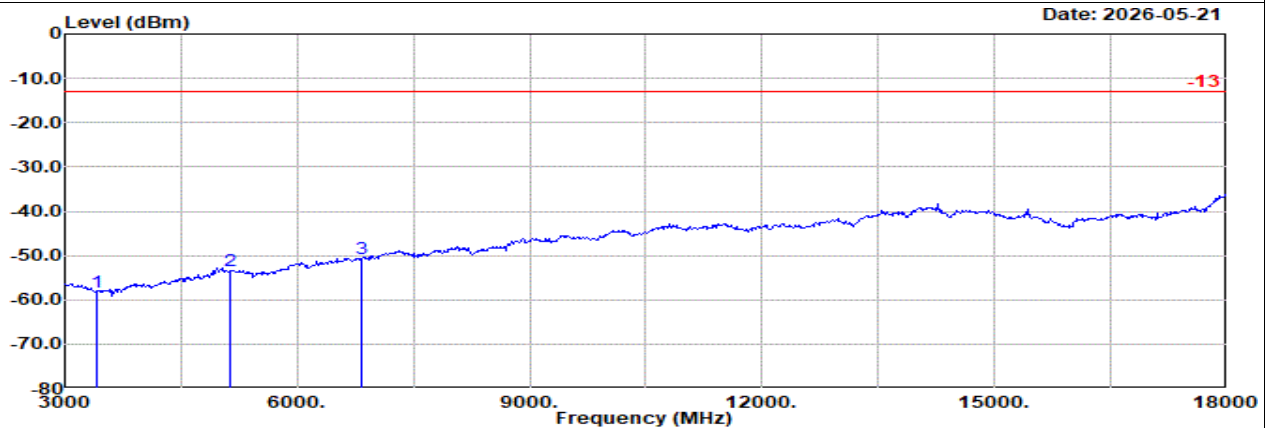


Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Horizontal

: LTE Band 66 NB IoT 3.75K Ch131973 1RB0 BPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF		Readin	Limit	Margin	Pol
				Factor	Amp\Cb		1					
	MHz	dBm					dB	dB	dBuV	dBm	dB	
1	3420.00	-57.92	RMS	29.46	-24.97	1.05	-95.23	31.77	-13.00	-44.92	Horizontal	
2	5130.00	-53.57	RMS	32.96	-22.49	0.92	-95.23	30.26	-13.00	-40.57	Horizontal	
3	6840.00	-51.04	RMS	35.72	-22.13	0.35	-95.23	30.25	-13.00	-38.04	Horizontal	



Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Vertical

: LTE Band 66 NB IoT 3.75K Ch131973 1RB0 BPSK

	Freq	Level	Detector	Ant		Filter	EIRPCF		Readin	Limit	Margin	Pol
				Factor	Amp\Cb		1					
	MHz	dBm					dB	dB	dBuV	dBm	dB	
1	3420.00	-58.12	RMS	29.46	-24.97	1.05	-95.23	31.57	-13.00	-45.12	Vertical	
2	5130.00	-53.51	RMS	32.96	-22.49	0.92	-95.23	30.32	-13.00	-40.51	Vertical	
3	6840.00	-50.83	RMS	35.72	-22.13	0.35	-95.23	30.46	-13.00	-37.83	Vertical	

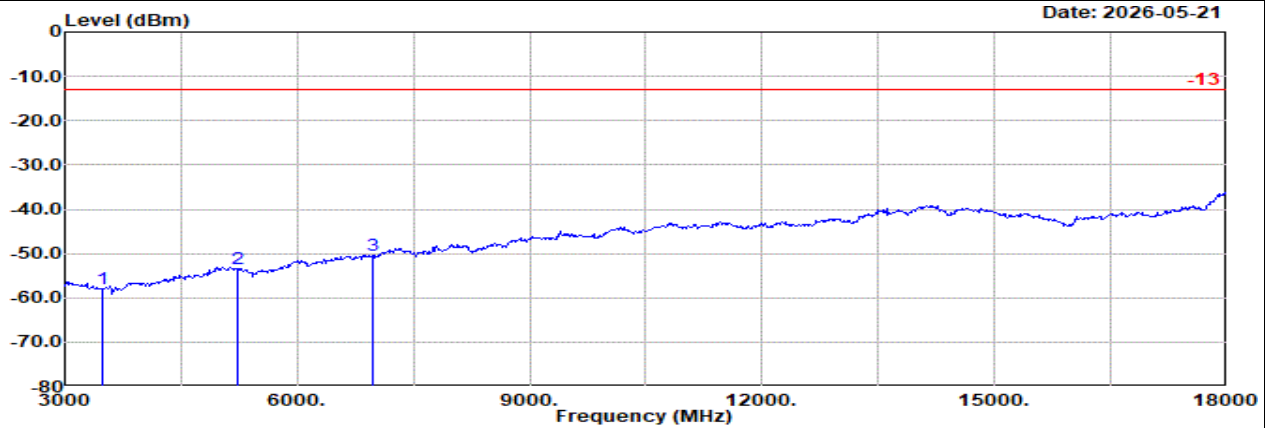


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Part 27L Mode 4

LTE NB IoT B66 NB IoT 3.75K Ch132322 1RB0 BPSK

M

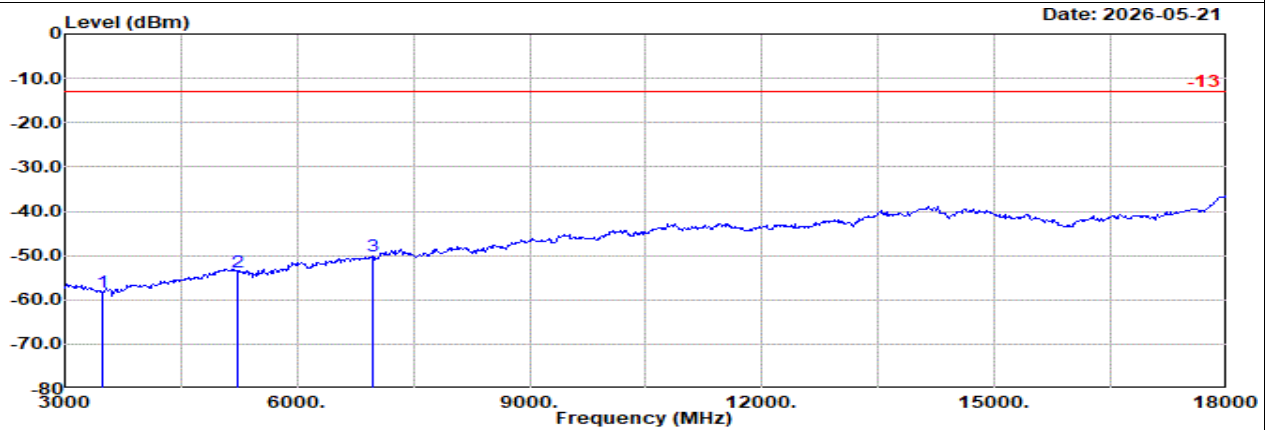


Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Horizontal

: LTE Band 66 NB IoT 3.75K Ch132322 1RB0 BPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1						
1	3495.00	-58.06	RMS	29.40	-24.89	1.00	-95.23	31.66	-13.00	-45.06	Horizontal
2	5235.00	-53.50	RMS	32.86	-22.42	0.89	-95.23	30.40	-13.00	-40.50	Horizontal
3	6975.00	-50.47	RMS	35.80	-21.82	0.34	-95.23	30.44	-13.00	-37.47	Horizontal



Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Vertical

: LTE Band 66 NB IoT 3.75K Ch132322 1RB0 BPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1						
1	3495.00	-58.21	RMS	29.40	-24.89	1.00	-95.23	31.51	-13.00	-45.21	Vertical
2	5235.00	-53.77	RMS	32.86	-22.42	0.89	-95.23	30.13	-13.00	-40.77	Vertical
3	6975.00	-50.16	RMS	35.80	-21.82	0.34	-95.23	30.75	-13.00	-37.16	Vertical

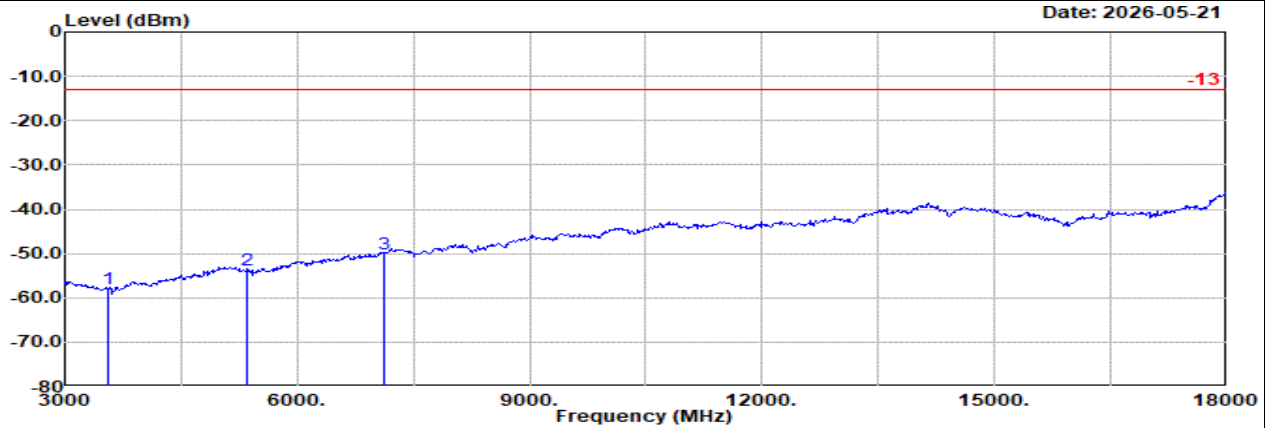


Ant. 0

Part 27L Mode 4

LTE NB IoT B66 NB IoT 3.75K Ch132670 1RB0 BPSK

H

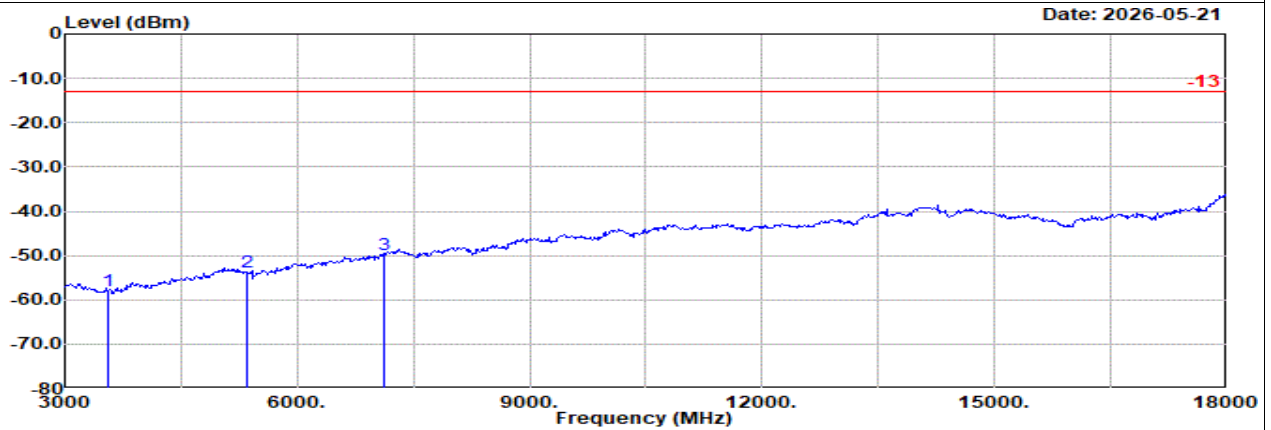


Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Horizontal

: LTE Band 66 NB IoT 3.75K Ch132671 1RB0 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin	Pol
					dB/m	dB						
	MHz	dBm					dB	dB	dBuV	dBm	dB	
1	3559.80	-58.04	RMS	29.42	-24.80	0.96	-95.23	31.61	-13.00	-45.04	Horizontal	
2	5339.70	-53.82	RMS	32.96	-22.55	0.87	-95.23	30.13	-13.00	-40.82	Horizontal	
3	7119.60	-50.12	RMS	36.38	-21.68	0.26	-95.23	30.15	-13.00	-37.12	Horizontal	



Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Vertical

: LTE Band 66 NB IoT 3.75K Ch132671 1RB0 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin	Pol
					dB/m	dB						
	MHz	dBm					dB	dB	dBuV	dBm	dB	
1	3559.80	-57.89	RMS	29.42	-24.80	0.96	-95.23	31.76	-13.00	-44.89	Vertical	
2	5339.70	-53.88	RMS	32.96	-22.55	0.87	-95.23	30.07	-13.00	-40.88	Vertical	
3	7119.60	-49.76	RMS	36.38	-21.68	0.26	-95.23	30.51	-13.00	-36.76	Vertical	

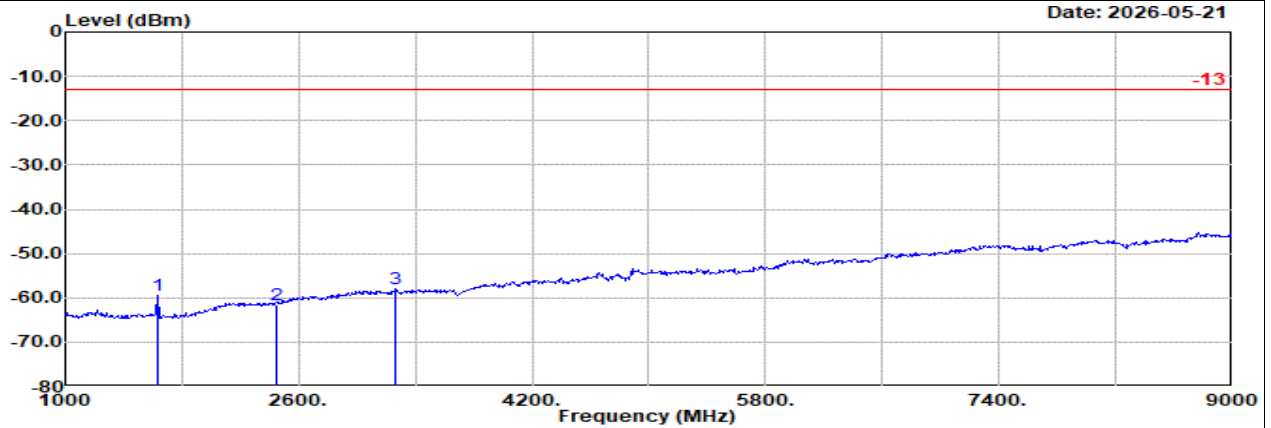


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Part 90S Mode 2

LTE NB IoT B26 NB IoT 3.75K Ch36692 1RB0 BPSK

L

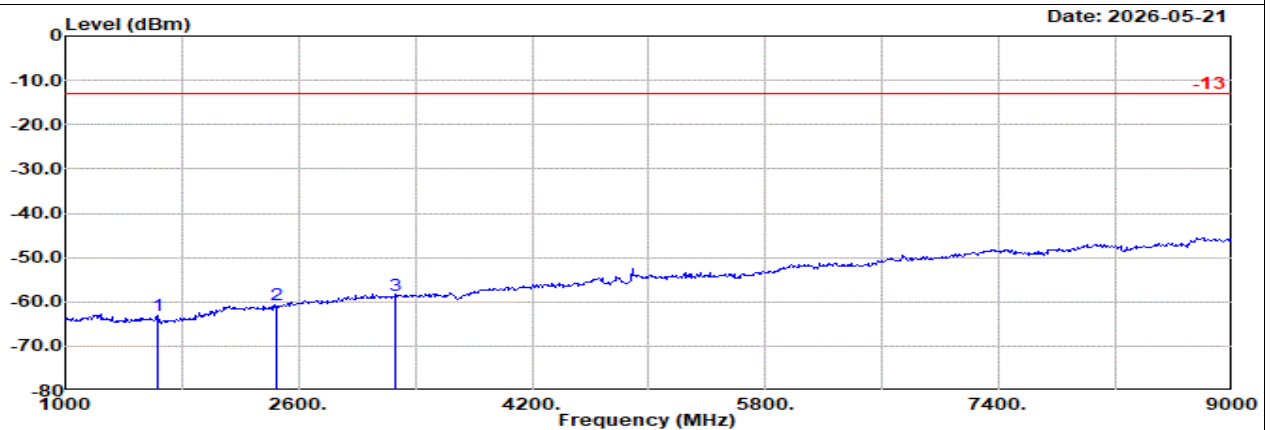


Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Horizontal

: LTE Band 26 NB IoT 3.75K Ch26692 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb		Filter	EIRPCF		Readin g	Limit	Margin	Pol
				Factor	1							
1	1628.40	-59.43	RMS	25.22	-28.23	0.31	-95.23		38.50	-13.00	-46.43	Horizontal
2	2442.60	-61.50	RMS	27.50	-26.31	0.24	-95.23		32.30	-13.00	-48.50	Horizontal
3	3256.80	-58.00	RMS	29.59	-25.18	0.24	-95.23		32.58	-13.00	-45.00	Horizontal



Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Vertical

: LTE Band 26 NB IoT 3.75K Ch26692 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb		Filter	EIRPCF		Readin g	Limit	Margin	Pol
				Factor	1							
1	1628.40	-63.06	RMS	25.22	-28.23	0.31	-95.23		34.87	-13.00	-50.06	Vertical
2	2442.60	-60.80	RMS	27.50	-26.31	0.24	-95.23		33.00	-13.00	-47.80	Vertical
3	3256.80	-58.60	RMS	29.59	-25.18	0.24	-95.23		31.98	-13.00	-45.60	Vertical

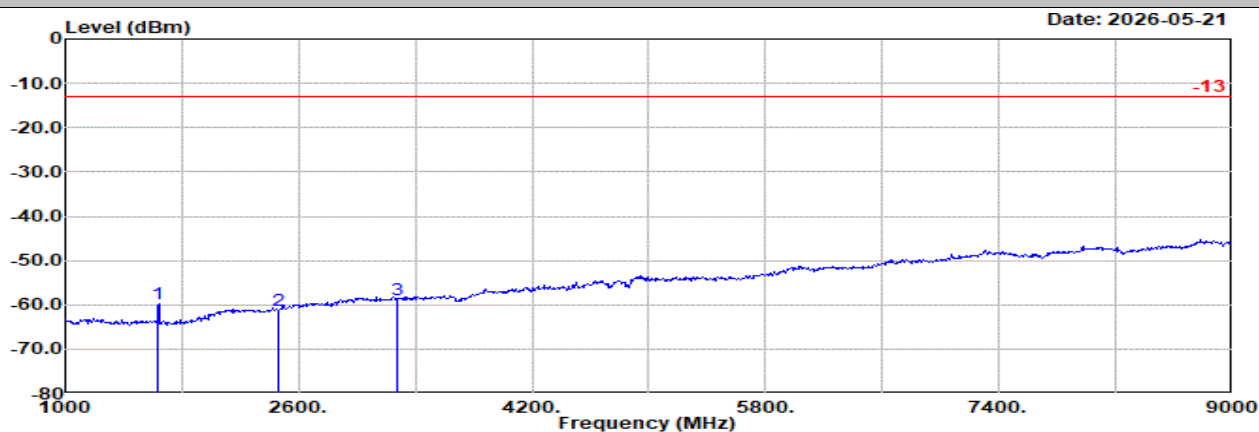


Ant. 0

Part 90S Mode 2

LTE NB IoT B26 NB IoT 3.75K Ch26740 1RB0 BPSK

M

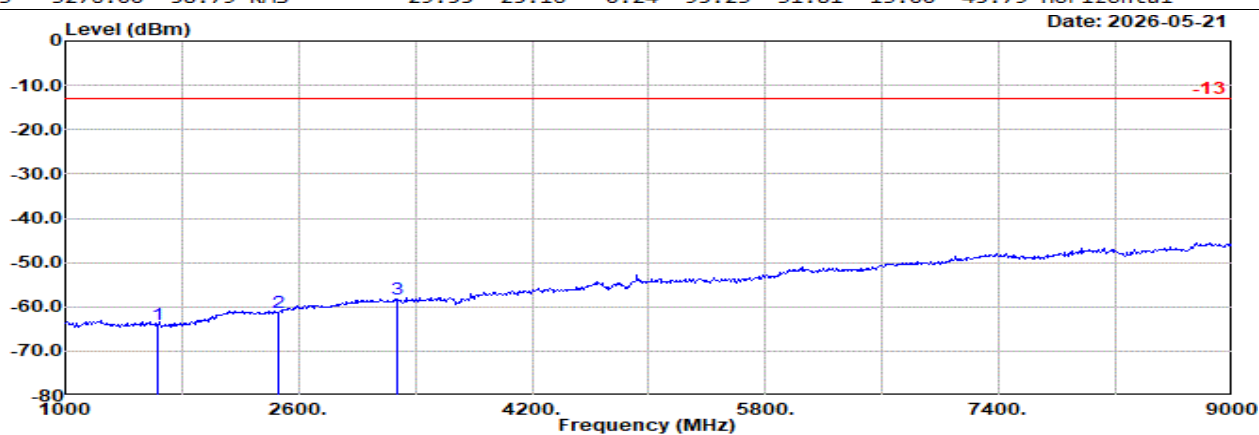


Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Horizontal

: LTE Band 26 NB IoT 3.75K Ch23790 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb		Filter	EIRPCF		Readin g	Limit	Margin	Pol
				Factor	1							
1	1638.00	-59.74	RMS	25.12	-28.20	0.31	-95.23	38.26	-13.00	-46.74	Horizontal	
2	2457.00	-61.27	RMS	27.50	-26.28	0.23	-95.23	32.51	-13.00	-48.27	Horizontal	
3	3276.00	-58.79	RMS	29.55	-25.16	0.24	-95.23	31.81	-13.00	-45.79	Horizontal	



Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Vertical

: LTE Band 26 NB IoT 3.75K Ch23790 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb		Filter	EIRPCF		Readin g	Limit	Margin	Pol
				Factor	1							
1	1638.00	-63.96	RMS	25.12	-28.20	0.31	-95.23	34.04	-13.00	-50.96	Vertical	
2	2457.00	-61.21	RMS	27.50	-26.28	0.23	-95.23	32.57	-13.00	-48.21	Vertical	
3	3276.00	-58.27	RMS	29.55	-25.16	0.24	-95.23	32.33	-13.00	-45.27	Vertical	

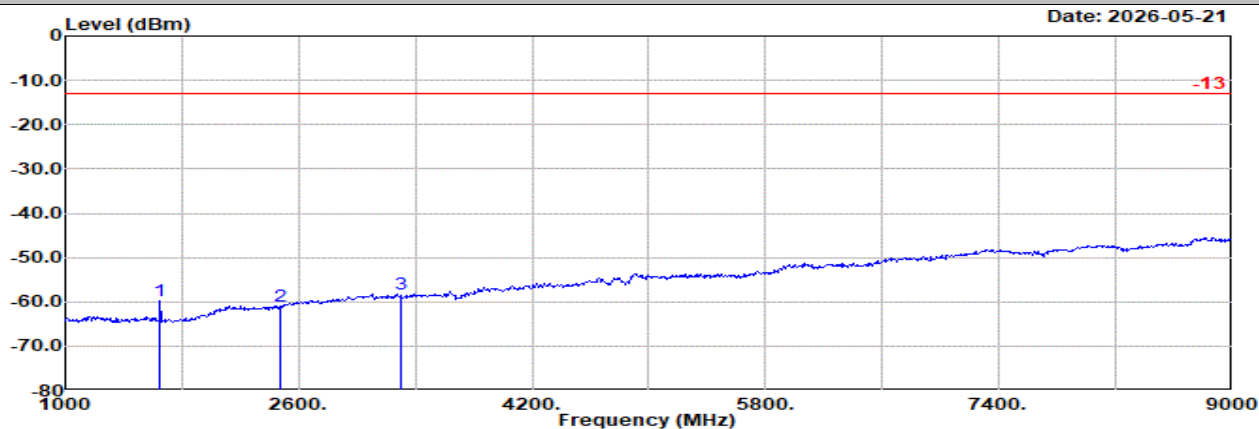


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Part 90S Mode 2

LTE NB IoT B26 NB IoT 3.75K Ch26788 1RB0 BPSK

H

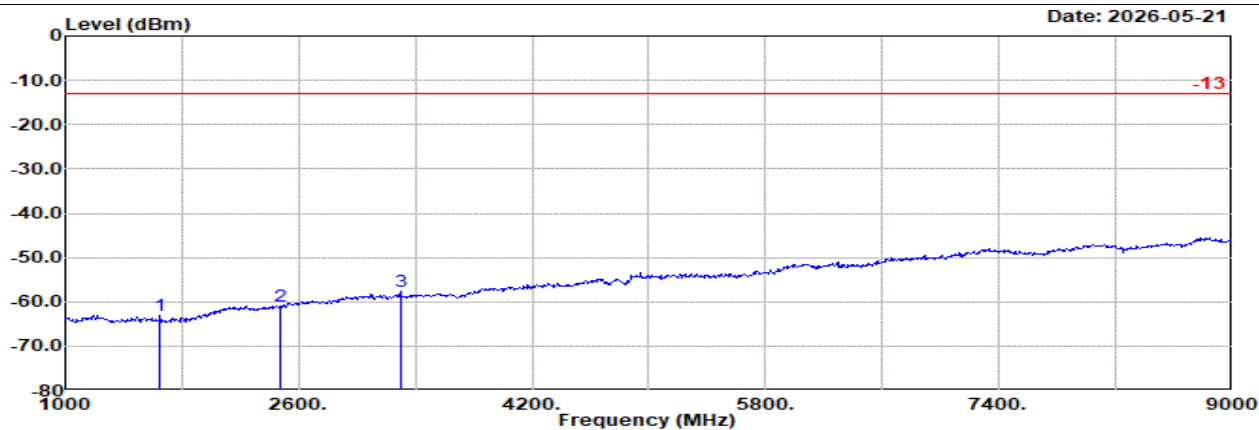


Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Horizontal

: LTE Band 26 NB IoT 3.75K Ch26788 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF		Readin	Limit	Margin	Pol
				Factor	1							
	MHz	dBm		dB/m	dB	dB	dB	dB	dBuV	dBm	dB	
1	1647.60	-59.81	RMS	24.95	-28.18	0.31	-95.23	38.34	-13.00	-46.81	Horizontal	
2	2471.40	-61.07	RMS	27.60	-26.25	0.23	-95.23	32.58	-13.00	-48.07	Horizontal	
3	3295.20	-58.23	RMS	29.51	-25.13	0.24	-95.23	32.38	-13.00	-45.23	Horizontal	



Site : 03CH11-HY

Condition: -13 3m 9120D_01620_250915 Vertical

: LTE Band 26 NB IoT 3.75K Ch26788 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF		Readin	Limit	Margin	Pol
				Factor	1							
	MHz	dBm		dB/m	dB	dB	dB	dB	dBuV	dBm	dB	
1	1647.60	-62.97	RMS	24.95	-28.18	0.31	-95.23	35.18	-13.00	-49.97	Vertical	
2	2471.40	-61.06	RMS	27.60	-26.25	0.23	-95.23	32.59	-13.00	-48.06	Vertical	
3	3295.20	-57.62	RMS	29.51	-25.13	0.24	-95.23	32.99	-13.00	-44.62	Vertical	

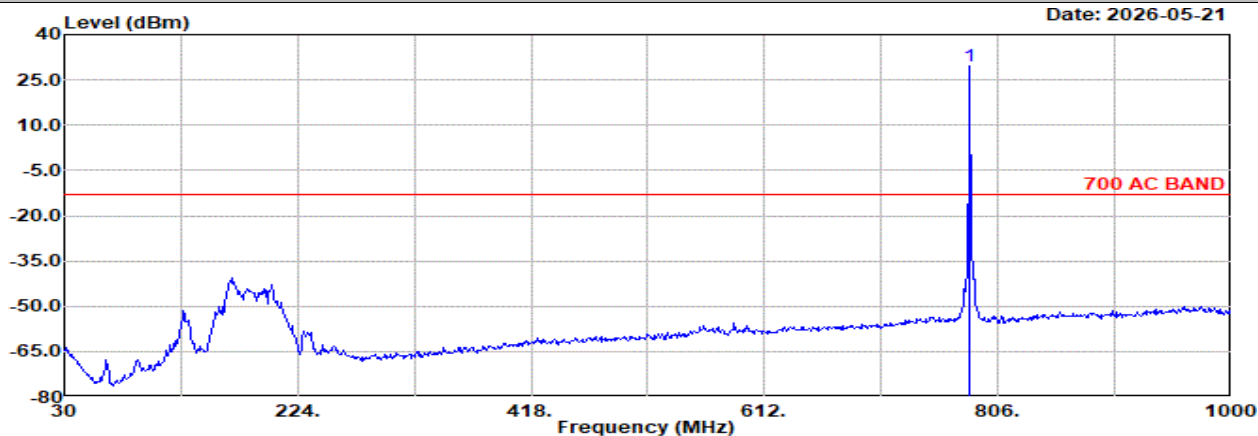


Ant. 0

Part 27F Mode 2

LTE NB IoT B13 NB IoT 3.75K Ch23230 1RB0 BPSK

M



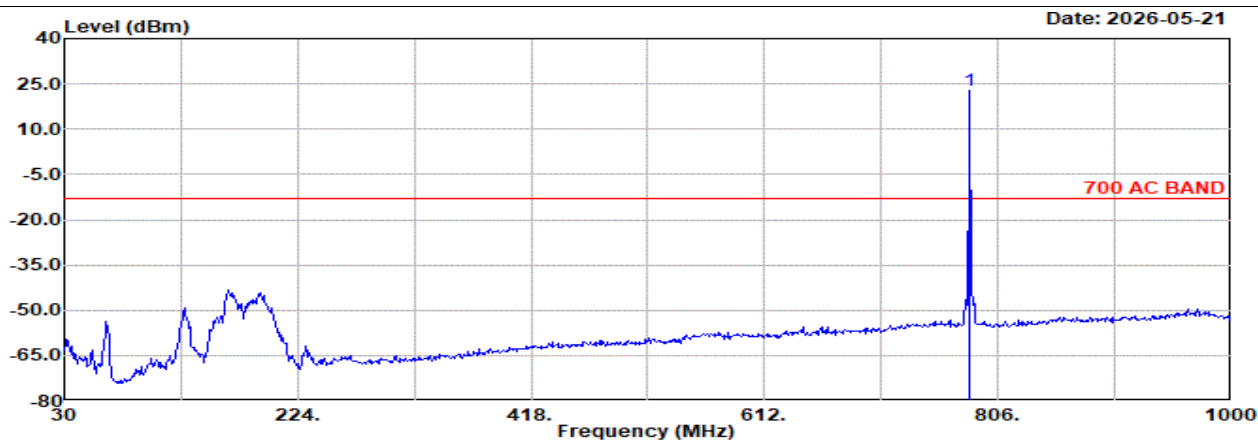
Site : 03CH11-HY

Condition: 700 AC BAND 3m Bilog_66925 & 24006_260412 Horizontal

: LTE NB IoT Band 13 3.75k Ch23230 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									
1	782.00	29.59	RMS	28.02	3.79	0.00	-95.23	93.01	-13.00	42.59	Horizontal



Site : 03CH11-HY

Condition: 700 AC BAND 3m Bilog_66925 & 24006_260412 Vertical

: LTE NB IoT Band 13 3.75k Ch23230 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									
1	782.00	22.97	RMS	28.02	3.79	0.00	-95.23	86.39	-13.00	35.97	Vertical