



FCC RF Test Report

APPLICANT : Procon Analytics LLC
EQUIPMENT : Arrow-QI
BRAND NAME : Procon Analytics
MODEL NAME : 4-6360-20, 4-6360-17, 4-6361-20, 4-6361-17
FCC ID : 2BAH7AQI01
STANDARD : 47 CFR Part 22(H), 24(E), 27(L), 27(H), 27(F)
CLASSIFICATION : PCS Licensed Transmitter (PCB)
TEST DATE(S) : Aug. 08, 2025 ~ Aug. 18, 2025

We, Sporton International Inc. (Kunshan), would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.26-2015 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. (Kunshan), the test report shall not be reproduced except in full.

Jason Jia

Approved by: Jason Jia



Sporton International Inc. (Kunshan)

No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300
People's Republic of China



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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG570110	Rev. 01	Initial issue of report	Sep. 16, 2025

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	-	Report Only	-
	§22.913(a)(5)	Effective Radiated Power (Band 5) (Band 26)	ERP < 7 Watt	PASS	-
	§27.50(b)(10) §27.50(c)(10)	Effective Radiated Power (Band 12) (Band 13) (Band 85)	ERP < 3 Watt		-
	§24.232(c)	Equivalent Isotropic Radiated Power (Band 2) (Band 25)	EIRP < 2Watt		-
	§27.50(d)(4)	Equivalent Isotropic Radiated Power (Band 4) (Band 66)	EIRP < 1Watt		-
3.5	§24.232(d)	Peak-to-Average Ratio	<13 dB	PASS	-
3.6	§2.1049	Occupied Bandwidth	-	Report Only	-
3.7	§2.1051 §22.917(a) §24.238(a) §27.53(c)(2)(4) §27.53(g) §27.53(h)	Conducted Band Edge Measurement (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 85) (Band 25) (Band 26) (Band 66)	< 43+10log ₁₀ (P[Watts])	PASS	-
3.8	§2.1051 §22.917(a) §24.238(a) §27.53(c)(2) §27.53(g) §27.53(h)	Conducted Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 85) (Band 25) (Band 26) (Band 66)	< 43+10log ₁₀ (P[Watts])	PASS	-
3.9	§2.1055 §22.355	Frequency Stability Temperature & Voltage	< 2.5 ppm for Part 22	PASS	-
	§2.1055 §24.235 §27.54		Within Authorized Band		
4.4	§2.1053 §22.917(a) §24.238(a) §27.53(c)(2) §27.53(f) §27.53(g) §27.53(h)	Radiated Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 85) (Band 25) (Band 26) (Band 66)	< 43+10log ₁₀ (P[Watts])	PASS	Under limit 0.87 dB at 1408.00 MHz

Note: This is a variant report. The change note could be referred to the Product Equality Declaration which is exhibit separately. According to the differences, LTE Band 2/4/5 only verified conducted power, LTE Band 12/85 for full test, and verified the RSE test cases for other bands from original test report (Report Number 2212RSU049-U1).

Conformity Assessment Condition:

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

Disclaimer:

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



1 General Description

1.1 Applicant

Procon Analytics LLC
17361 Armstrong Avenue Irvine, CA 92614

1.2 Manufacturer

Procon Analytics LLC
17361 Armstrong Avenue Irvine, CA 92614

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Arrow-QI
Brand Name	Procon Analytics
Model Name	4-6360-20, 4-6360-17, 4-6361-20, 4-6361-17
FCC ID	2BAH7AQI01
IMEI Code	Conducted: 868038079593225 Radiation: 868038079593225 for Sample 1 868038078241081 for Sample 2
HW Version	V1.2
SW Version	BG95M1LAR05A01_01



1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	LTE Band 2 : 1850 MHz ~ 1910 MHz LTE Band 4 : 1710 MHz ~ 1755 MHz LTE Band 5 : 824 MHz ~ 849 MHz LTE Band 12 : 699 MHz ~ 716 MHz LTE Band 13 : 777 MHz ~ 787 MHz LTE Band 25 : 1850 MHz ~ 1915 MHz LTE Band 26 : 824 MHz ~ 849 MHz LTE Band 66 : 1710 MHz ~ 1780 MHz LTE Band 85: 698 MHz ~ 716 MHz
Rx Frequency	LTE Band 2 : 1930 MHz ~ 1990 MHz LTE Band 4 : 2110 MHz ~ 2155 MHz LTE Band 5 : 869 MHz ~ 894 MHz LTE Band 12 : 729 MHz ~ 746 MHz LTE Band 13 : 746 MHz ~ 756 MHz LTE Band 25 : 1930 MHz ~ 1995 MHz LTE Band 26 : 869 MHz ~ 894 MHz LTE Band 66 : 2110 MHz~ 2180 MHz LTE Band 85 : 728 MHz ~ 746 MHz
Bandwidth	LTE Band 2 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 4 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 5 : 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 12 : 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 13 : 5MHz / 10MHz LTE Band 25 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 26 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz LTE Band 66 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 85 : 5MHz / 10MHz
Maximum Output Power to Antenna	LTE Band 2 : 20.73 dBm LTE Band 4 : 20.37 dBm LTE Band 5 : 19.92 dBm LTE Band 12 : 20.73 dBm LTE Band 85 : 20.81 dBm
Antenna Gain	LTE Band 2 : 3.64 dBi LTE Band 4 : 2.41 dBi LTE Band 5 : -0.35 dBi LTE Band 12 : 2.65 dBi LTE Band 13 : 1.74 dBi LTE Band 25 : 3.64 dBi LTE Band 26 : -0.35 dBi LTE Band 66 : 2.50 dBi LTE Band 85 : 2.65 dBi
Type of Modulation	QPSK / 16QAM

Note: LTE Band support Category M1.

1.5 Modification of EUT

No modifications are made to the EUT during all test items.



1.6 Maximum EIRP/ERP and Emission Designator

LTE Band 2		QPSK		16QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
1.4	1850.7 ~ 1909.3	0.2483	-	0.1945	-
3	1851.5 ~ 1908.5	0.2410	-	0.1795	-
5	1852.5 ~ 1907.5	0.2399	-	0.2460	-
10	1855.0 ~ 1905.0	0.2723	-	0.2729	-
15	1857.5 ~ 1902.5	0.2415	-	0.2500	-
20	1860.0 ~ 1900.0	0.2724	-	0.2735	-
LTE Band 4		QPSK		16QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
1.4	1710.7 ~ 1754.3	0.1892	-	0.1567	-
3	1711.5 ~ 1753.5	0.1888	-	0.1528	-
5	1712.5 ~ 1752.5	0.1879	-	0.1892	-
10	1715.0 ~ 1750.0	0.1884	-	0.1892	-
15	1717.5 ~ 1747.5	0.1892	-	0.1897	-
20	1720.0 ~ 1745.0	0.1897	-	0.1875	-
LTE Band 5		QPSK		16QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
1.4	824.7 ~ 848.3	0.0552	-	0.0479	-
3	825.5 ~ 847.5	0.0537	-	0.0440	-
5	826.5 ~ 846.5	0.0552	-	0.0550	-
10	829.0 ~ 844.0	0.0552	-	0.0551	-
LTE Band 12		QPSK		16QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
1.4	699.7 ~ 715.3	0.1265	1M11G7D	0.0982	911KW7D
3	700.5 ~ 714.5	0.1288	1M08G7D	0.0962	929KW7D
5	701.5 ~ 713.5	0.1312	1M10G7D	0.1327	929KW7D
10	704.0 ~ 711.0	0.1276	1M10G7D	0.1285	919KW7D



LTE Band 85		QPSK		16QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
5	700.5 ~ 713.5	0.1352	1M09G7D	0.1312	919KW7D
10	703.0 ~ 711.0	0.1352	1M09G7D	0.1352	914KW7D

Note: All modulations have been tested, and only the worst test results of PSK & QAM are shown in the report.

1.7 Testing Location

Sporton International Inc. (Kunshan) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

Test Firm	Sporton International Inc. (Kunshan)		
Test Site Location	No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	03CH04-KS TH01-KS	CN1257	314309

1.8 Test Software

Item	Site	Manufacture	Name	Version
1.	TH01-KS	SPORTON	FCC LTE_Ver2.0 Auto_china_210503	2.0
2.	03CH04-KS	AUDIX	E3	210616



1.9 Applicable Standards

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

- ♦ 47 CFR Part 22(H), 24(E), 27(L), 27(H), 27(F)
- ♦ ANSI C63.26-2015
- ♦ FCC KDB 971168 D01 Power Meas License Digital Systems v03r01
- ♦ FCC KDB 412172 D01 Determining ERP and EIRP v01r01

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.



2 Test Configuration of Equipment Under Test

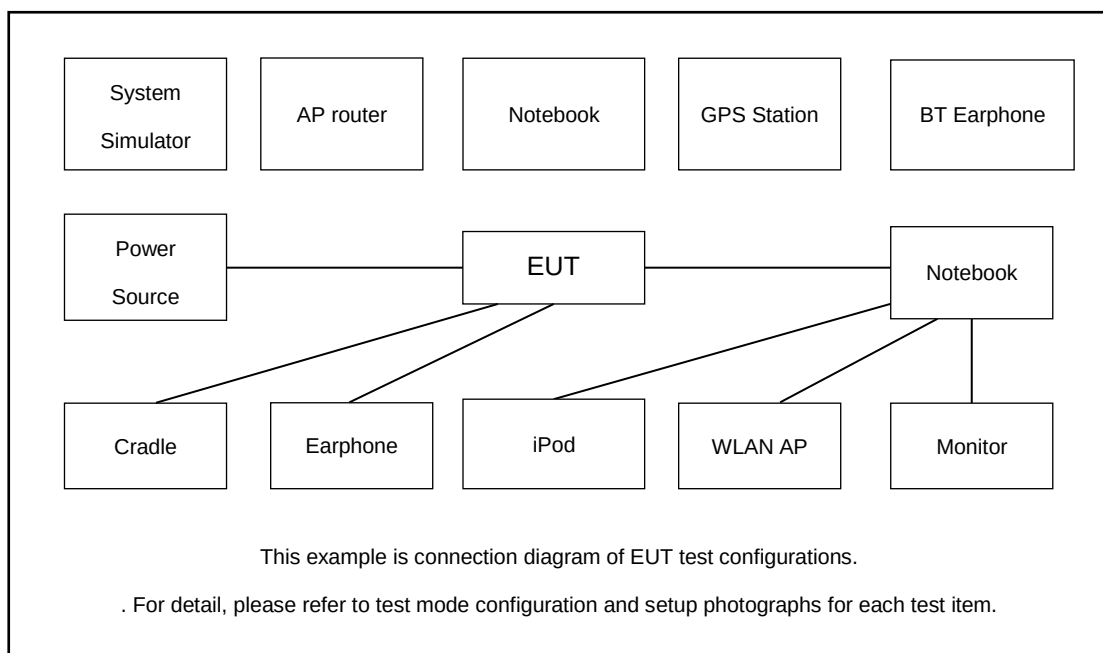
2.1 Test Mode

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.

Radiated measurements are performed by rotating the EUT in three different orthogonal test planes to find the maximum emission.

Test Items	Band	Bandwidth (MHz)						Modulation			RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
Max. Output Power	2	v	v	v	v	v	v	v	v		v	v	v	v	v	v
	4	v	v	v	v	v	v	v	v		v	v	v	v	v	v
	5	v	v	v	v	-	-	v	v		v	v	v	v	v	v
	12	v	v	v	v	-	-	v	v		v	v	v	v	v	v
	85	-	-	v	v	-	-	v	v	-	v	v	v	v	v	v
Peak-to-Average Ratio	12				v	-	-	v	v	-			v		v	
	85	-	-		v	-	-	v	v	-			v		v	
26dB and 99% Bandwidth	12	v	v	v	v	-	-	v	v	-			v		v	
	85	-	-	v	v	-	-	v	v	-			v		v	
Conducted Band Edge	12	v	v	v	v	-	-	v		-	v		v	v		v
	85	-	-	v	v	-	-	v		-	v		v	v		v
Conducted Spurious Emission	12	v	v	v	v	-	-	v		-	v			v	v	v
	85	-	-	v	v	-	-	v		-	v			v	v	v
Frequency Stability	12				v	-	-	v		-			v		v	
	85	-	-		v	-	-	v		-			v		v	
E.I.R.P. / E.R.P.	2	v	v	v	v	v	v	v	v	-	v	v	v	v	v	v
	4	v	v	v	v	v	v	v	v	-	v	v	v	v	v	v
	5	v	v	v	v	-	-	v	v	-	v	v	v	v	v	v
	12	v	v	v	v			v	v	-	v	v	v	v	v	v
	85	-	-	v	v	-	-	v	v	-	v	v	v	v	v	v
Radiated Spurious Emission	12	Worst Case												v	v	v
	13	Worst Case												v		
	25	Worst Case												v		
	26	Worst Case												v		
	66	Worst Case												v		
	85	Worst Case												v	v	v
Note	1.	The mark "v" means that this configuration is chosen for testing														
	2.	The mark "-" means that this bandwidth is not supported.														
	3.	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.														
	4.	LTE Band 25 overlaps the entire frequency range of LTE Band 2. Therefore, according to the maximum conducted power, the test results of Band 25 covers Band 2.														
	5.	LTE Band 66 overlaps the entire frequency range of LTE Band 4. Therefore, according to the maximum conducted power, the test results of Band 66 covers Band 4.														
	6.	LTE Band 25 overlaps the entire frequency range of LTE Band 2. Therefore, according to the maximum conducted power, the test results of Band 26 covers Band 5.														

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	Power Supply	GWINSTEK	PSS-2002	N/A	N/A	Unshielded, 1.8 m
2.	LTE Base Station	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m

2.4 Measurement Results Explanation Example

For all conducted test items:

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

The spectrum analyzer offset is derived from RF cable loss.

Offset = RF cable loss.

Following shows an offset computation example with cable loss 4.6 dB.

Example :

$$\begin{aligned} \text{Offset(dB)} &= \text{RF cable loss(dB)}. \\ &= 4.6 \text{ (dB)} \end{aligned}$$



2.5 Frequency List of Low/Middle/High Channels

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				
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	836.5	844
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 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

LTE Band 85 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	134052	134092	134132
	Frequency	703	707	711
5	Channel	134027	134092	134157
	Frequency	700.5	707	713.5

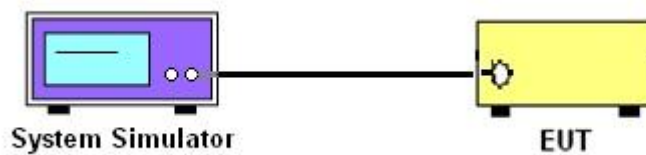
3 Conducted Test Items

3.1 Measuring Instruments

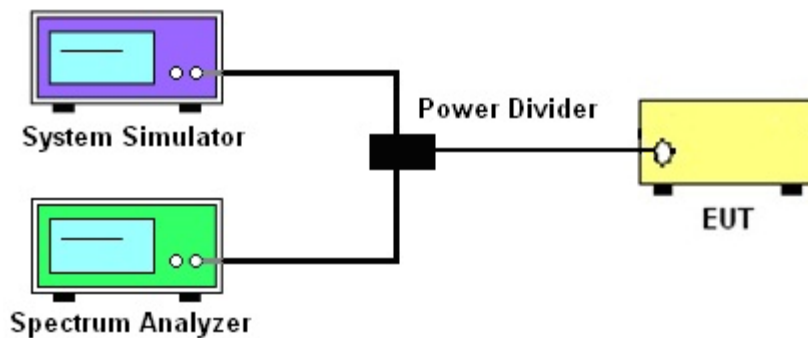
See list of measuring instruments of this test report.

3.2 Test Setup

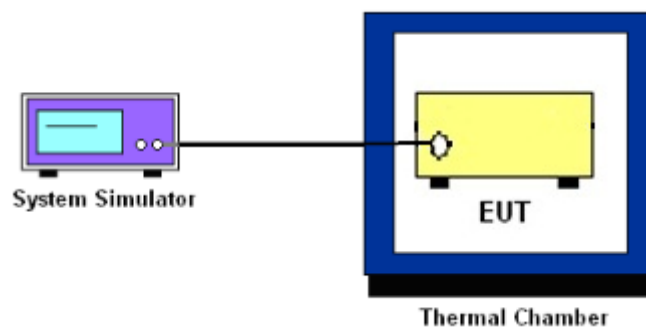
3.2.1 Conducted Output Power



3.2.2 Peak-to-Average Ratio, Occupied Bandwidth ,Conducted Band-Edge and Conducted Spurious Emission



3.2.3 Frequency Stability



3.3 Test Result of Conducted Test

Please refer to Appendix A.

3.4 Conducted Output Power and ERP/EIRP

3.4.1 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 3 Watts for LTE Band 12 and Band 85.

According to KDB 412172 D01 Power Approach,

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

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

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

3.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.2
2. The transmitter output port was connected to the system simulator.
3. Set EUT at maximum power through the system simulator.
4. Select lowest, middle, and highest channels for each band and different modulation.
5. Measure and record the power level from the system simulator.

3.5 Peak-to-Average Ratio

3.5.1 Description of the PAR Measurement

Power Complementary Cumulative Distribution Function (CCDF) curves provide a means for characterizing the power peaks of a digitally modulated signal on a statistical basis. A CCDF curve depicts the probability of the peak signal amplitude exceeding the average power level. Most contemporary measurement instrumentation include the capability to produce CCDF curves for an input signal provided that the instrument's resolution bandwidth can be set wide enough to accommodate the entire input signal bandwidth. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

3.5.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.2.3.4 (CCDF).
2. The EUT was connected to spectrum and system simulator via a power divider.
3. Set the CCDF (Complementary Cumulative Distribution Function) option in spectrum analyzer.
4. The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1 %.
5. Record the deviation as Peak to Average Ratio.

3.6 Occupied Bandwidth

3.6.1 Description of Occupied Bandwidth Measurement

The occupied bandwidth is the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean transmitted power.

The 26 dB emission bandwidth is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated 26 dB below the maximum in-band spectral density of the modulated signal. Spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth equal to approximately 1.0% of the emission bandwidth.

3.6.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.4
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be between two and five times the anticipated OBW.
4. The nominal resolution bandwidth (RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
5. Set the detection mode to peak, and the trace mode to max hold.
6. Determine the reference value: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace.
(this is the reference value)
7. Determine the “-26 dB down amplitude” as equal to (Reference Value – X).
8. Place two markers, one at the lowest and the other at the highest frequency of the envelope of the spectral display such that each marker is at or slightly below the “-X dB down amplitude” determined in step 6. If a marker is below this “-X dB down amplitude” value it shall be placed as close as possible to this value. The OBW is the positive frequency difference between the two markers.
9. Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.

3.7 Conducted Band Edge

3.7.1 Description of Conducted Band Edge Measurement

27.53 (g)

For operations in the 600MHz band and 698 -746 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 100 kHz bandwidth. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

3.7.2 Test Procedures

1. The testing follows ANSI C63.26 section 5.7
1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The band edges of low and high channels for the highest RF powers were measured.
3. Set RBW $\geq 1\%$ EBW in the 1MHz band immediately outside and adjacent to the band edge.
4. Beyond the 1 MHz band from the band edge, RBW=1MHz was used or a narrower RBW was used and the measured power was integrated over the full required measurement bandwidth of 1 MHz.
5. Set spectrum analyzer with RMS detector.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
7. Checked that all the results comply with the emission limit line.

Example:

The limit line is derived from $43 + 10\log(P)\text{dB}$ below the transmitter power $P(\text{Watts})$
 $= P(\text{W}) - [43 + 10\log(P)] (\text{dB})$
 $= [30 + 10\log(P)] (\text{dBm}) - [43 + 10\log(P)] (\text{dB}) = -13\text{dBm}.$

3.8 Conducted Spurious Emission

3.8.1 Description of Conducted Spurious Emission Measurement

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10th harmonic.

3.8.2 Test Procedures

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.
The path loss was compensated to the results for each measurement.
4. The middle channel for the highest RF power within the transmitting frequency was measured.
5. The conducted spurious emission for the whole frequency range was taken.
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz.
7. Set spectrum analyzer with RMS detector.
8. Taking the record of maximum spurious emission.
9. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
10. The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)
 $= P(W) - [43 + 10\log(P)]$ (dB)
 $= [30 + 10\log(P)]$ (dBm) - $[43 + 10\log(P)]$ (dB)
 $= -13\text{dBm}$.

3.9 Frequency Stability

3.9.1 Description of Frequency Stability Measurement

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ ($\pm 2.5\text{ppm}$) of the center frequency.

3.9.2 Test Procedures for Temperature Variation

1. The testing follows ANSI C63.26 section 5.6.4
2. The EUT was set up in the thermal chamber and connected with the system simulator.
3. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
4. With power OFF, the temperature was raised in 10°C step up to 50°C . The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

3.9.3 Test Procedures for Voltage Variation

1. The testing follows ANSI C63.26 section 5.6.5
2. The EUT was placed in a temperature chamber at $20\pm 5^{\circ}\text{C}$ and connected with the system simulator.
3. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value for other than hand carried battery equipment.
4. For hand carried, battery powered equipment, reduce the primary ac or dc supply voltage to the battery operating end point, which shall be specified by the manufacturer.
5. The variation in frequency was measured for the worst case.

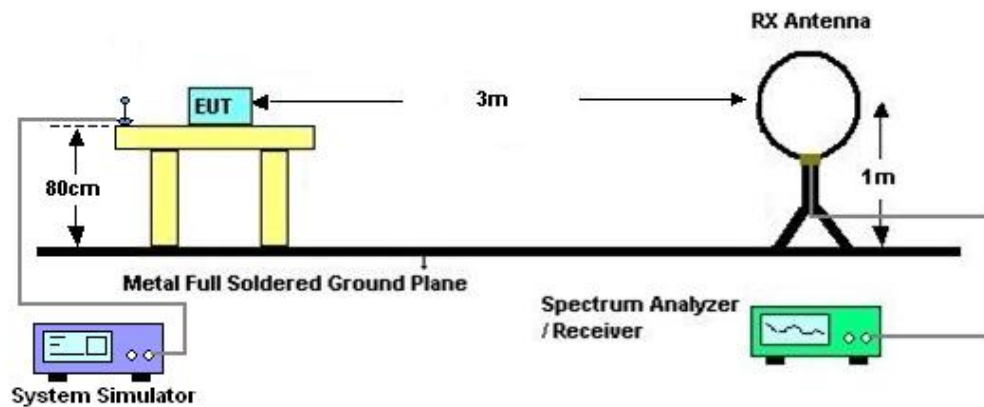
4 Radiated Test Items

4.1 Measuring Instruments

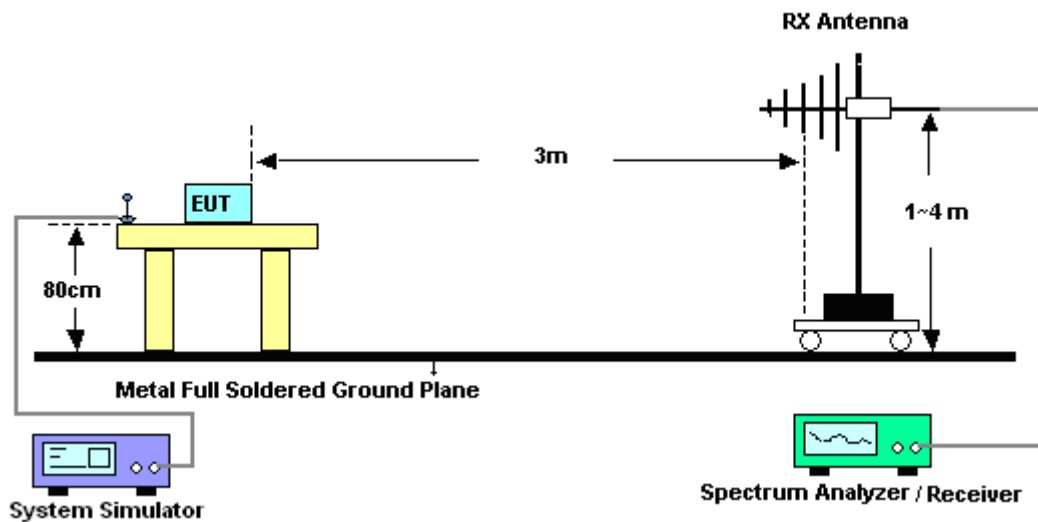
See list of measuring instruments of this test report.

4.2 Test Setup

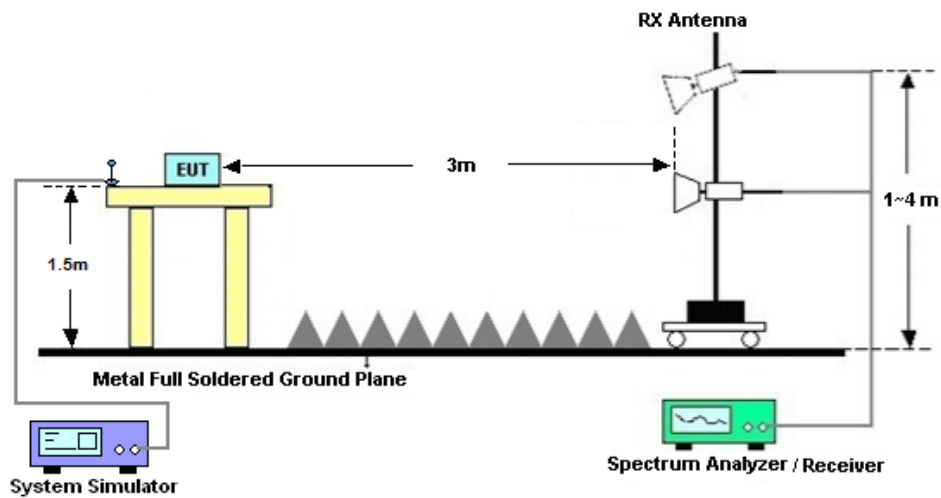
4.2.1 For radiated test below 30MHz



4.2.2 For radiated test from 30MHz to 1GHz



4.2.3 For radiated test above 1GHz



4.3 Test Result of Radiated Test

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.

Please refer to Appendix B.

4.4 Radiated Spurious Emission

4.4.1 Description of Radiated Spurious Emission

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

4.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.5
2. The EUT was placed on a turntable with 0.8 meter height for frequency below 1GHz and 1.5 meter height for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the receiving antenna mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. The height of the receiving antenna is varied between 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
6. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
7. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
8. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
9. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
10. $EIRP \text{ (dBm)} = S.G. \text{ Power} - Tx \text{ Cable Loss} + Tx \text{ Antenna Gain}$
11. $ERP \text{ (dBm)} = EIRP - 2.15$
12. 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)
 $= P(W) - [43 + 10\log(P)] \text{ (dB)}$
 $= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)}$
 $= -13\text{dBm}.$



5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101040	10Hz~40GHz	Oct. 10, 2024	Aug. 15, 2025~ Aug. 18, 2025	Oct. 09, 2025	Conducted (TH01-KS)
Power divider	STI	STI08-0055	-	0.5~40GHz	NCR	Aug. 15, 2025~ Aug. 18, 2025	NCR	Conducted (TH01-KS)
Radio communication analyzer	Anritsu	MT8821C	6261806798	2G/3G/LTE band 1-46 ,48,65-70	Jul. 03, 2025	Aug. 15, 2025~ Aug. 18, 2025	Jul. 02, 2026	Conducted (TH01-KS)
Temperature & humidity chamber	Hongzhan	LP-150U	H2014011440	-40~+150°C 20%~95%RH	Jul. 03, 2025	Aug. 15, 2025~ Aug. 18, 2025	Jul. 02, 2026	Conducted (TH01-KS)
EXA Spectrum Analyzer	Keysight	N9010A	MY55370528	10Hz-44G,MAX 30dB	Dec. 03, 2024	Aug. 08, 2025	Dec. 02, 2025	Radiation (03CH04-KS)
Loop Antenna	R&S	HFH2-Z2E	101125	9kHz~30MHz	Sep. 08, 2024	Aug. 08, 2025	Sep. 07, 2025	Radiation (03CH04-KS)
Bilog Antenna	TeseQ	CBL6111D	44483	30MHz-1GHz	Nov. 23, 2024	Aug. 08, 2025	Nov. 22, 2025	Radiation (03CH04-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00227860	1GHz~18GHz	Aug. 16, 2024	Aug. 08, 2025	Aug. 15, 2025	Radiation (03CH04-KS)
SHF-EHF Horn	Com-power	AH-840	101116	18GHz~40GHz	Oct. 22, 2024	Aug. 08, 2025	Oct. 21, 2025	Radiation (03CH04-KS)
Amplifier	SONOMA	310N	380826	9KHz-1GHz	Jul. 02, 2025	Aug. 08, 2025	Jul. 01, 2026	Radiation (03CH04-KS)
Amplifier	EM	EM18G40G A	060852	18~40GHz	Jan. 03, 2025	Aug. 08, 2025	Jan. 02, 2026	Radiation (03CH04-KS)
high gain Amplifier	EM	EM01G18G A	060840	1Ghz-18Ghz	Oct. 09, 2024	Aug. 08, 2025	Oct. 08, 2025	Radiation (03CH04-KS)
Amplifier	EM	EM01G18G A	060892	1Ghz-18Ghz	Oct. 09, 2024	Aug. 08, 2025	Oct. 08, 2025	Radiation (03CH04-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Aug. 08, 2025	NCR	Radiation (03CH04-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Aug. 08, 2025	NCR	Radiation (03CH04-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Aug. 08, 2025	NCR	Radiation (03CH04-KS)

NCR: No Calibration Required

6 Measurement Uncertainty

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.26-2015. All the measurement uncertainty value were shown with a coverage K=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

Uncertainty of Conducted Measurement

Conducted Spurious Emission & Bandedge	±2.22 dB
Occupied Channel Bandwidth	±0.384%
Conducted Power	±0.90 dB
Peak to Average Ratio	±0.90 dB
Frequency Stability	±0.38 ppm

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.3 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))	2.83 dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.83 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))	2.82 dB
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----- THE END -----



Appendix A. Test Results of Conducted Test

Test Engineer :	Simle Wang	Temperature :	22~23°C
		Relative Humidity :	40~42%

Conducted Output Power(Average power) and EIRP/ERP

LTE Band 2

BW [MHz]	Modulation	RB Size	RB Offset	Index			Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				L	M	H	18700	18900	19100	18700	18900	19100
Frequency (MHz)							1860	1880	1900	1860	1880	1900
20	QPSK	1	0	0	0	15	20.58	20.71	20.52	0.2644	0.2724	0.2607
20	QPSK	1	5	0	0	15	20.44	20.64	20.46	0.2559	0.2679	0.2570
20	QPSK	3	0	0	0	15	20.59	20.71	20.56	0.2649	0.2723	0.2630
20	QPSK	3	3	0	0	15	20.65	20.70	20.62	0.2685	0.2716	0.2667
20	QPSK	6	0	0	0	15	20.56	20.69	20.53	0.2630	0.2710	0.2612
20	16QAM	1	0	0	0	15	20.57	20.73	20.59	0.2636	0.2735	0.2649
20	16QAM	1	5	0	0	15	20.35	20.51	20.26	0.2506	0.2600	0.2455
20	16QAM	3	0	0	0	15	20.49	20.61	20.45	0.2588	0.2661	0.2564
20	16QAM	3	3	0	0	15	20.33	20.57	20.39	0.2495	0.2636	0.2529
20	16QAM	5	0	0	0	15	20.30	20.65	20.41	0.2477	0.2685	0.2541
Channel				L	M	H	18675	18900	19125	18675	18900	19125
Frequency (MHz)							1857.5	1880	1902.5	1857.5	1880	1902.5
15	QPSK	1	0	0	0	11	20.02	20.19	19.85	0.2323	0.2415	0.2234
15	QPSK	1	5	0	0	11	19.73	19.89	19.63	0.2173	0.2254	0.2123
15	QPSK	3	0	0	0	11	19.95	20.07	19.90	0.2286	0.2350	0.2259
15	QPSK	3	3	0	0	11	19.68	19.92	19.89	0.2148	0.2270	0.2254
15	QPSK	6	0	0	0	11	19.73	20.08	19.94	0.2173	0.2355	0.2280
15	16QAM	1	0	0	0	11	20.15	20.34	20.04	0.2393	0.2500	0.2333
15	16QAM	1	5	0	0	11	19.71	19.89	19.72	0.2163	0.2254	0.2168
15	16QAM	3	0	0	0	11	19.80	19.95	19.90	0.2208	0.2286	0.2259
15	16QAM	3	3	0	0	11	19.83	19.91	20.01	0.2223	0.2265	0.2317
15	16QAM	5	0	0	0	11	19.93	20.09	19.88	0.2275	0.2360	0.2249
Channel				L	M	H	18650	18900	19150	18650	18900	19150
Frequency (MHz)							1855	1880	1905	1855	1880	1905
10	QPSK	1	0	0	0	7	20.47	20.65	20.40	0.2576	0.2685	0.2535
10	QPSK	1	5	0	0	7	20.56	20.71	20.55	0.2630	0.2723	0.2624
10	QPSK	3	0	0	0	7	20.63	20.71	20.53	0.2673	0.2723	0.2612
10	QPSK	3	3	0	0	7	20.55	20.71	20.47	0.2624	0.2723	0.2576
10	QPSK	6	0	0	0	7	19.59	19.74	19.63	0.2104	0.2178	0.2123
10	16QAM	1	0	0	0	7	20.39	20.64	20.59	0.2529	0.2679	0.2649
10	16QAM	1	5	0	0	7	20.26	20.42	20.23	0.2455	0.2547	0.2438



10	16QAM	3	0	0	0	7	20.57	20.72	20.69	0.2636	0.2729	0.2710
10	16QAM	3	3	0	0	7	20.41	20.65	20.48	0.2541	0.2685	0.2582
10	16QAM	5	0	0	0	7	20.57	20.68	20.33	0.2636	0.2704	0.2495
Channel				L	M	H	18625	18900	19175	18625	18900	19175
Frequency (MHz)							1852.5	1880	1907.5	1852.5	1880	1907.5
5	QPSK	1	0	0	0	3	20.01	20.06	19.88	0.2317	0.2344	0.2249
5	QPSK	1	5	0	0	3	19.82	19.95	19.71	0.2218	0.2286	0.2163
5	QPSK	3	0	0	0	3	19.99	20.16	20.05	0.2307	0.2399	0.2339
5	QPSK	3	3	0	0	3	19.87	20.03	19.98	0.2244	0.2328	0.2301
5	QPSK	6	0	0	0	3	19.01	19.13	18.94	0.1841	0.1892	0.1811
5	16QAM	1	0	0	0	3	20.03	20.27	20.21	0.2328	0.2460	0.2427
5	16QAM	1	5	0	0	3	19.62	19.97	19.80	0.2118	0.2296	0.2208
5	16QAM	3	0	0	0	3	19.85	20.04	19.69	0.2234	0.2333	0.2153
5	16QAM	3	3	0	0	3	19.86	20.04	19.80	0.2239	0.2333	0.2208
5	16QAM	5	0	0	0	3	18.97	19.12	18.93	0.1824	0.1888	0.1807
Channel				L	M	H	18615	18900	19185	18615	18900	19185
Frequency (MHz)							1851.5	1880	1908.5	1851.5	1880	1908.5
3	QPSK	1	0	0	0	1	20.06	20.18	20.07	0.2344	0.2410	0.2350
3	QPSK	1	5	0	0	1	19.82	20.06	20.01	0.2218	0.2344	0.2317
3	QPSK	3	0	0	0	1	18.89	19.24	19.05	0.1791	0.1941	0.1858
3	QPSK	3	3	0	0	1	18.96	19.15	19.09	0.1820	0.1901	0.1875
3	QPSK	6	0	0	0	1	18.01	18.19	18.02	0.1462	0.1524	0.1466
3	16QAM	1	0	0	0	1	18.01	18.16	17.81	0.1462	0.1514	0.1396
3	16QAM	1	5	0	0	1	18.82	18.90	18.66	0.1762	0.1795	0.1698
3	16QAM	3	0	0	0	1	18.07	18.23	18.04	0.1483	0.1538	0.1472
3	16QAM	3	3	0	0	1	17.76	17.91	17.74	0.1380	0.1429	0.1374
3	16QAM	5	0	0	0	1	17.77	18.02	17.70	0.1384	0.1466	0.1361
Channel				L	M	H	18607	18900	19193	18607	18900	19193
Frequency (MHz)							1850.7	1880	1909.3	1850.7	1880	1909.3
1.4	QPSK	1	0	0	0	0	20.15	20.31	20.19	0.2393	0.2483	0.2415
1.4	QPSK	1	5	0	0	0	19.89	20.07	20.02	0.2254	0.2350	0.2323
1.4	QPSK	3	0	0	0	0	19.01	19.25	19.12	0.1841	0.1945	0.1888
1.4	QPSK	3	3	0	0	0	19.03	19.14	18.97	0.1849	0.1897	0.1824
1.4	QPSK	6	0	0	0	0	18.15	18.20	18.04	0.1510	0.1528	0.1472
1.4	16QAM	1	0	0	0	0	19.06	19.25	19.13	0.1862	0.1945	0.1892
1.4	16QAM	1	5	0	0	0	19.06	19.12	18.88	0.1862	0.1888	0.1786
1.4	16QAM	3	0	0	0	0	18.25	18.42	18.07	0.1545	0.1607	0.1483
1.4	16QAM	3	3	0	0	0	18.01	18.36	18.17	0.1462	0.1585	0.1517
1.4	16QAM	5	0	0	0	0	18.24	18.48	18.30	0.1542	0.1629	0.1563



LTE Band 4

BW [MHz]	Modulation	RB Size	RB Offset	Index			Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				L	M	H	20050	20175	20300	20050	20175	20300
Frequency (MHz)							1720	1732.5	1745	1720	1732.5	1745
20	QPSK	1	0	0	0	15	20.18	20.37	20.21	0.1816	0.1897	0.1828
20	QPSK	1	5	0	0	15	20.02	20.19	20.07	0.1750	0.1820	0.1770
20	QPSK	3	0	0	0	15	20.09	20.34	20.17	0.1778	0.1884	0.1811
20	QPSK	3	3	0	0	15	20.10	20.26	19.91	0.1782	0.1849	0.1706
20	QPSK	6	0	0	0	15	20.11	20.34	20.15	0.1786	0.1884	0.1803
20	16QAM	1	0	0	0	15	20.28	20.32	20.14	0.1858	0.1875	0.1799
20	16QAM	1	5	0	0	15	19.78	20.08	19.93	0.1656	0.1774	0.1714
20	16QAM	3	0	0	0	15	20.14	20.30	20.22	0.1799	0.1866	0.1832
20	16QAM	3	3	0	0	15	20.15	20.26	20.10	0.1803	0.1849	0.1782
20	16QAM	5	0	0	0	15	20.09	20.26	20.11	0.1778	0.1849	0.1786
Channel				L	M	H	20025	20175	20325	20025	20175	20325
Frequency (MHz)							1717.5	1732.5	1747.5	1717.5	1732.5	1747.5
15	QPSK	1	0	0	0	11	20.12	20.34	20.13	0.1791	0.1884	0.1795
15	QPSK	1	5	0	0	11	20.08	20.12	20.08	0.1774	0.1791	0.1774
15	QPSK	3	0	0	0	11	20.36	20.33	20.36	0.1892	0.1879	0.1892
15	QPSK	3	3	0	0	11	20.12	20.18	20.07	0.1791	0.1816	0.1770
15	QPSK	6	0	0	0	11	20.18	20.24	20.28	0.1816	0.1841	0.1858
15	16QAM	1	0	0	0	11	20.34	20.26	20.15	0.1884	0.1849	0.1803
15	16QAM	1	5	0	0	11	19.99	20.04	19.73	0.1738	0.1758	0.1637
15	16QAM	3	0	0	0	11	20.22	20.12	20.06	0.1832	0.1791	0.1766
15	16QAM	3	3	0	0	11	20.26	20.32	20.07	0.1849	0.1875	0.1770
15	16QAM	5	0	0	0	11	20.37	20.33	20.09	0.1897	0.1879	0.1778
Channel				L	M	H	20000	20175	20350	20000	20175	20350
Frequency (MHz)							1715	1732.5	1750	1715	1732.5	1750
10	QPSK	1	0	0	0	7	20.29	20.34	20.17	0.1862	0.1884	0.1811
10	QPSK	1	5	0	0	7	20.07	20.20	19.85	0.1770	0.1824	0.1683
10	QPSK	3	0	0	0	7	20.15	20.32	20.08	0.1803	0.1875	0.1774
10	QPSK	3	3	0	0	7	19.99	20.15	19.96	0.1738	0.1803	0.1726
10	QPSK	6	0	0	0	7	20.17	20.29	20.12	0.1811	0.1862	0.1791
10	16QAM	1	0	0	0	7	19.93	20.17	19.85	0.1714	0.1811	0.1683
10	16QAM	1	5	0	0	7	19.67	20.02	19.86	0.1614	0.1750	0.1687
10	16QAM	3	0	0	0	7	20.17	20.36	20.13	0.1811	0.1892	0.1795
10	16QAM	3	3	0	0	7	20.18	20.36	20.32	0.1816	0.1892	0.1875
10	16QAM	5	0	0	0	7	20.26	20.32	20.11	0.1849	0.1875	0.1786
Channel				L	M	H	19975	20175	20375	19975	20175	20375
Frequency (MHz)							1712.5	1732.5	1752.5	1712.5	1732.5	1752.5
5	QPSK	1	0	0	0	3	20.19	20.32	20.18	0.1820	0.1875	0.1816
5	QPSK	1	5	0	0	3	19.86	20.06	20.03	0.1687	0.1766	0.1754
5	QPSK	3	0	0	0	3	20.27	20.33	20.32	0.1854	0.1879	0.1875



5	QPSK	3	3	0	0	3	20.19	20.24	20.17	0.1820	0.1841	0.1811
5	QPSK	6	0	0	0	3	19.14	19.27	19.19	0.1429	0.1472	0.1445
5	16QAM	1	0	0	0	3	20.24	20.32	20.26	0.1841	0.1875	0.1849
5	16QAM	1	5	0	0	3	19.83	19.99	19.79	0.1675	0.1738	0.1660
5	16QAM	3	0	0	0	3	20.13	20.25	19.90	0.1795	0.1845	0.1702
5	16QAM	3	3	0	0	3	20.12	20.36	20.29	0.1791	0.1892	0.1862
5	16QAM	5	0	0	0	3	20.14	20.31	20.36	0.1799	0.1871	0.1892
Channel				L	M	H	19965	20175	20385	19965	20175	20385
Frequency (MHz)							1711.5	1732.5	1753.5	1711.5	1732.5	1753.5
3	QPSK	1	0	0	0	1	20.16	20.35	20.20	0.1807	0.1888	0.1824
3	QPSK	1	5	0	0	1	20.02	20.19	20.11	0.1750	0.1820	0.1786
3	QPSK	3	0	0	0	1	18.97	19.29	19.13	0.1374	0.1479	0.1426
3	QPSK	3	3	0	0	1	18.99	19.15	19.00	0.1380	0.1432	0.1384
3	QPSK	6	0	0	0	1	17.96	18.19	17.94	0.1089	0.1148	0.1084
3	16QAM	1	0	0	0	1	19.39	19.43	19.27	0.1514	0.1528	0.1472
3	16QAM	1	5	0	0	1	18.88	19.18	19.00	0.1346	0.1442	0.1384
3	16QAM	3	0	0	0	1	18.46	18.62	18.38	0.1222	0.1268	0.1199
3	16QAM	3	3	0	0	1	18.45	18.56	18.45	0.1219	0.1250	0.1219
3	16QAM	5	0	0	0	1	18.07	18.24	18.19	0.1117	0.1161	0.1148
Channel				L	M	H	19957	20175	20393	19957	20175	20393
Frequency (MHz)							1710.7	1732.5	1754.3	1710.7	1732.5	1754.3
1.4	QPSK	1	0	0	0	0	20.36	20.33	20.35	0.1892	0.1879	0.1888
1.4	QPSK	1	5	0	0	0	20.15	20.28	19.99	0.1803	0.1858	0.1738
1.4	QPSK	3	0	0	0	0	19.27	19.43	19.12	0.1472	0.1528	0.1422
1.4	QPSK	3	3	0	0	0	19.17	19.28	18.92	0.1439	0.1476	0.1358
1.4	QPSK	6	0	0	0	0	18.30	18.32	18.14	0.1178	0.1183	0.1135
1.4	16QAM	1	0	0	0	0	19.43	19.54	19.25	0.1528	0.1567	0.1466
1.4	16QAM	1	5	0	0	0	19.22	19.38	18.98	0.1455	0.1510	0.1377
1.4	16QAM	3	0	0	0	0	18.45	18.75	18.34	0.1219	0.1306	0.1189
1.4	16QAM	3	3	0	0	0	18.30	18.56	18.25	0.1178	0.1250	0.1164
1.4	16QAM	5	0	0	0	0	18.45	18.56	18.26	0.1219	0.1250	0.1167



LTE Band 5

BW [MHz]	Modulation	RB Size	RB Offset	Index			Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP(W)		
Channel				L	M	H	20450	20525	20600	20450	20525	20600
Frequency (MHz)							829	836.5	844	829	836.5	844
10	QPSK	1	0	0	0	7	19.86	19.92	19.82	0.0545	0.0552	0.0540
10	QPSK	1	5	0	0	7	19.64	19.74	19.52	0.0518	0.0530	0.0504
10	QPSK	3	0	0	0	7	19.90	19.89	19.88	0.0550	0.0548	0.0547
10	QPSK	3	3	0	0	7	19.84	19.85	19.66	0.0542	0.0543	0.0520
10	QPSK	6	0	0	0	7	18.83	18.96	18.77	0.0430	0.0443	0.0424
10	16QAM	1	0	0	0	7	19.87	19.90	19.89	0.0546	0.0550	0.0548
10	16QAM	1	5	0	0	7	19.59	19.68	19.67	0.0512	0.0522	0.0521
10	16QAM	3	0	0	0	7	19.82	19.81	19.77	0.0540	0.0538	0.0533
10	16QAM	3	3	0	0	7	19.74	19.75	19.63	0.0530	0.0531	0.0516
10	16QAM	5	0	0	0	7	19.81	19.91	19.81	0.0538	0.0551	0.0538
Channel				L	M	H	20425	20525	20625	20425	20525	20625
Frequency (MHz)							826.5	836.5	846.5	826.5	836.5	846.5
5	QPSK	1	0	0	0	3	19.85	19.91	19.91	0.0543	0.0551	0.0551
5	QPSK	1	5	0	0	3	19.79	19.85	19.72	0.0536	0.0543	0.0527
5	QPSK	3	0	0	0	3	19.85	19.85	19.92	0.0543	0.0543	0.0552
5	QPSK	3	3	0	0	3	19.71	19.89	19.71	0.0526	0.0548	0.0526
5	QPSK	6	0	0	0	3	18.81	19.02	18.83	0.0428	0.0449	0.0430
5	16QAM	1	0	0	0	3	19.83	19.86	19.80	0.0541	0.0545	0.0537
5	16QAM	1	5	0	0	3	19.72	19.80	19.69	0.0527	0.0537	0.0524
5	16QAM	3	0	0	0	3	19.90	19.85	19.83	0.0550	0.0543	0.0541
5	16QAM	3	3	0	0	3	19.69	19.77	19.68	0.0524	0.0533	0.0522
5	16QAM	5	0	0	0	3	19.75	19.84	19.62	0.0531	0.0542	0.0515
Channel				L	M	H	20415	20525	20635	20415	20525	20635
Frequency (MHz)							825.5	836.5	847.5	825.5	836.5	847.5
3	QPSK	1	0	0	0	1	19.77	19.80	19.66	0.0533	0.0537	0.0520
3	QPSK	1	5	0	0	1	19.34	19.73	19.43	0.0483	0.0528	0.0493
3	QPSK	3	0	0	0	1	18.59	18.91	18.84	0.0406	0.0438	0.0431
3	QPSK	3	3	0	0	1	18.41	18.68	18.41	0.0390	0.0415	0.0390
3	QPSK	6	0	0	0	1	17.41	17.58	17.56	0.0310	0.0322	0.0321
3	16QAM	1	0	0	0	1	18.93	18.89	18.85	0.0440	0.0436	0.0432
3	16QAM	1	5	0	0	1	18.31	18.57	18.25	0.0381	0.0405	0.0376
3	16QAM	3	0	0	0	1	17.54	17.64	17.52	0.0319	0.0327	0.0318
3	16QAM	3	3	0	0	1	17.46	17.67	17.49	0.0313	0.0329	0.0316
3	16QAM	5	0	0	0	1	14.79	14.85	14.63	0.0169	0.0172	0.0163
Channel				L	M	H	20407	20525	20643	20407	20525	20643
Frequency (MHz)							824.7	836.5	848.3	824.7	836.5	848.3
1.4	QPSK	1	0	0	0	0	19.81	19.92	19.79	0.0538	0.0552	0.0536
1.4	QPSK	1	5	0	0	0	19.64	19.77	19.64	0.0518	0.0533	0.0518
1.4	QPSK	3	0	0	0	0	19.08	19.26	18.95	0.0455	0.0474	0.0442
1.4	QPSK	3	3	0	0	0	18.53	18.85	18.48	0.0401	0.0432	0.0396
1.4	QPSK	6	0	0	0	0	17.62	17.84	17.72	0.0325	0.0342	0.0333
1.4	16QAM	1	0	0	0	0	19.06	19.30	18.86	0.0453	0.0479	0.0433
1.4	16QAM	1	5	0	0	0	18.42	18.58	18.54	0.0391	0.0406	0.0402
1.4	16QAM	3	0	0	0	0	17.55	17.71	17.71	0.0320	0.0332	0.0332
1.4	16QAM	3	3	0	0	0	17.66	17.76	17.54	0.0328	0.0336	0.0319
1.4	16QAM	5	0	0	0	0	14.59	14.83	14.56	0.0162	0.0171	0.0161



LTE Band 12

BW [MHz]	Modulation	RB Size	RB Offset	Index			Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP(W)		
Channel				L	M	H	23060	23095	23130	23060	23095	23130
Frequency (MHz)							704	707.5	711	704	707.5	711
10	QPSK	1	0	0	0	7	20.38	20.45	20.56	0.1225	0.1245	0.1276
10	QPSK	1	5	0	0	7	20.16	20.14	20.21	0.1164	0.1159	0.1178
10	QPSK	3	0	0	0	7	20.45	20.44	20.54	0.1245	0.1242	0.1271
10	QPSK	3	3	0	0	7	20.34	20.21	20.32	0.1213	0.1178	0.1208
10	QPSK	6	0	0	0	7	19.40	19.40	19.52	0.0977	0.0977	0.1005
10	16QAM	1	0	0	0	7	20.59	20.49	20.58	0.1285	0.1256	0.1282
10	16QAM	1	5	0	0	7	20.40	20.26	20.36	0.1230	0.1191	0.1219
10	16QAM	3	0	0	0	7	20.47	20.37	20.49	0.1250	0.1222	0.1256
10	16QAM	3	3	0	0	7	20.45	20.36	20.41	0.1245	0.1219	0.1233
10	16QAM	5	0	0	0	7	20.14	20.36	20.34	0.1159	0.1219	0.1213
Channel				L	M	H	23035	23095	23155	23035	23095	23155
Frequency (MHz)							701.5	707.5	713.5	701.5	707.5	713.5
5	QPSK	1	0	0	0	3	20.61	20.58	20.68	0.1291	0.1282	0.1312
5	QPSK	1	5	0	0	3	20.43	20.42	20.49	0.1239	0.1236	0.1256
5	QPSK	3	0	0	0	3	20.57	20.67	20.55	0.1279	0.1309	0.1274
5	QPSK	3	3	0	0	3	20.36	20.26	20.41	0.1219	0.1191	0.1233
5	QPSK	6	0	0	0	3	19.53	19.46	19.57	0.1007	0.0991	0.1016
5	16QAM	1	0	0	0	3	20.53	20.57	20.67	0.1268	0.1279	0.1309
5	16QAM	1	5	0	0	3	20.43	20.13	20.48	0.1239	0.1156	0.1253
5	16QAM	3	0	0	0	3	20.57	20.73	20.52	0.1279	0.1327	0.1265
5	16QAM	3	3	0	0	3	20.43	20.49	20.38	0.1239	0.1256	0.1225
5	16QAM	5	0	0	0	3	19.65	19.48	19.41	0.1035	0.0995	0.0979
Channel				L	M	H	23025	23095	23165	23025	23095	23165
Frequency (MHz)							700.5	707.5	714.5	700.5	707.5	714.5
3	QPSK	1	0	0	0	1	20.38	20.60	20.41	0.1225	0.1288	0.1233
3	QPSK	1	5	0	0	1	20.46	20.40	20.28	0.1247	0.1230	0.1197
3	QPSK	3	0	0	0	1	19.49	19.52	19.42	0.0998	0.1005	0.0982
3	QPSK	3	3	0	0	1	19.37	19.24	19.10	0.0971	0.0942	0.0912
3	QPSK	6	0	0	0	1	18.43	18.36	18.29	0.0782	0.0769	0.0757
3	16QAM	1	0	0	0	1	19.29	19.33	19.31	0.0953	0.0962	0.0957
3	16QAM	1	5	0	0	1	19.04	18.95	18.82	0.0899	0.0881	0.0855
3	16QAM	3	0	0	0	1	18.31	18.56	18.47	0.0760	0.0805	0.0789
3	16QAM	3	3	0	0	1	18.29	18.38	18.19	0.0757	0.0773	0.0740
3	16QAM	5	0	0	0	1	18.32	18.42	18.24	0.0762	0.0780	0.0748
Channel				L	M	H	23017	23095	23173	23017	23095	23173
Frequency (MHz)							699.7	707.5	715.3	699.7	707.5	715.3
1.4	QPSK	1	0	0	0	0	20.44	20.52	20.45	0.1242	0.1265	0.1245
1.4	QPSK	1	5	0	0	0	20.33	20.26	20.34	0.1211	0.1191	0.1213
1.4	QPSK	3	0	0	0	0	19.50	19.51	19.39	0.1000	0.1002	0.0975
1.4	QPSK	3	3	0	0	0	19.38	19.37	19.07	0.0973	0.0971	0.0906
1.4	QPSK	6	0	0	0	0	18.42	18.41	18.27	0.0780	0.0778	0.0753
1.4	16QAM	1	0	0	0	0	19.42	19.28	19.30	0.0982	0.0951	0.0955
1.4	16QAM	1	5	0	0	0	19.09	19.05	18.84	0.0910	0.0902	0.0859
1.4	16QAM	3	0	0	0	0	18.37	18.33	18.45	0.0771	0.0764	0.0785
1.4	16QAM	3	3	0	0	0	18.32	18.35	18.18	0.0762	0.0767	0.0738
1.4	16QAM	5	0	0	0	0	18.38	18.24	18.20	0.0772	0.0748	0.0741



LTE Band 85

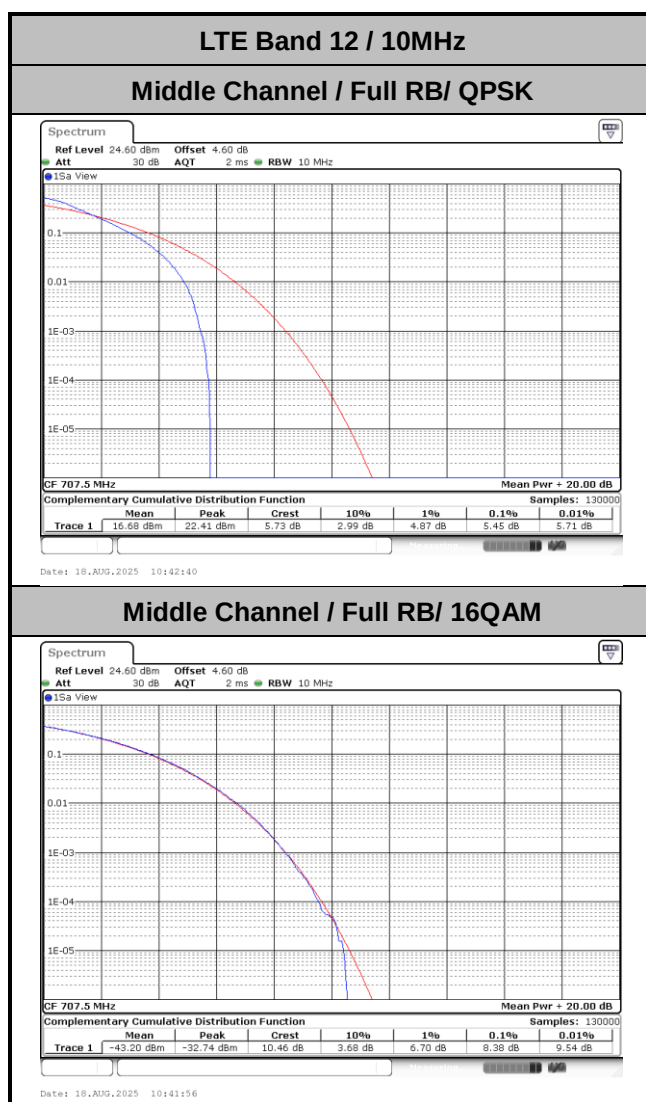
BW [MHz]	Modulation	RB Size	RB Offset	Index			Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP(W)		
Channel				L	M	H	134052	134092	134132	134052	134092	134132
Frequency (MHz)							703	707	711	703	707	711
10	QPSK	1	0	0	0	7	20.51	20.31	20.77	0.1262	0.1205	0.1340
10	QPSK	1	5	0	0	7	20.52	20.22	20.81	0.1265	0.1180	0.1352
10	QPSK	3	0	0	0	7	20.61	20.57	20.78	0.1291	0.1279	0.1343
10	QPSK	3	3	0	0	7	20.50	20.25	20.72	0.1259	0.1189	0.1324
10	QPSK	6	0	0	0	7	19.57	19.48	19.89	0.1016	0.0995	0.1094
10	16QAM	1	0	0	0	7	20.59	20.32	20.80	0.1285	0.1208	0.1349
10	16QAM	1	5	0	0	7	20.31	20.01	20.74	0.1205	0.1125	0.1330
10	16QAM	3	0	0	0	7	20.57	20.28	20.81	0.1279	0.1197	0.1352
10	16QAM	3	3	0	0	7	20.39	20.16	20.62	0.1227	0.1164	0.1294
10	16QAM	5	0	0	0	7	20.54	20.34	20.76	0.1271	0.1213	0.1337
Channel				L	M	H	134027	134092	134157	134027	134092	134157
Frequency (MHz)							700.5	707	713.5	700.5	707	713.5
5	QPSK	1	0	0	0	3	20.77	20.74	20.61	0.1340	0.1330	0.1291
5	QPSK	1	5	0	0	3	20.48	20.71	20.42	0.1253	0.1321	0.1236
5	QPSK	3	0	0	0	3	20.69	20.81	20.58	0.1315	0.1352	0.1282
5	QPSK	3	3	0	0	3	20.56	20.58	20.32	0.1276	0.1282	0.1208
5	QPSK	6	0	0	0	3	19.64	19.71	19.46	0.1033	0.1050	0.0991
5	16QAM	1	0	0	0	3	20.65	20.68	20.62	0.1303	0.1312	0.1294
5	16QAM	1	5	0	0	3	20.38	20.40	20.34	0.1225	0.1230	0.1213
5	16QAM	3	0	0	0	3	20.66	20.63	20.58	0.1306	0.1297	0.1282
5	16QAM	3	3	0	0	3	20.41	20.46	20.41	0.1233	0.1247	0.1233
5	16QAM	5	0	0	0	3	20.49	19.57	20.58	0.1256	0.1016	0.1282



LTE Band 12

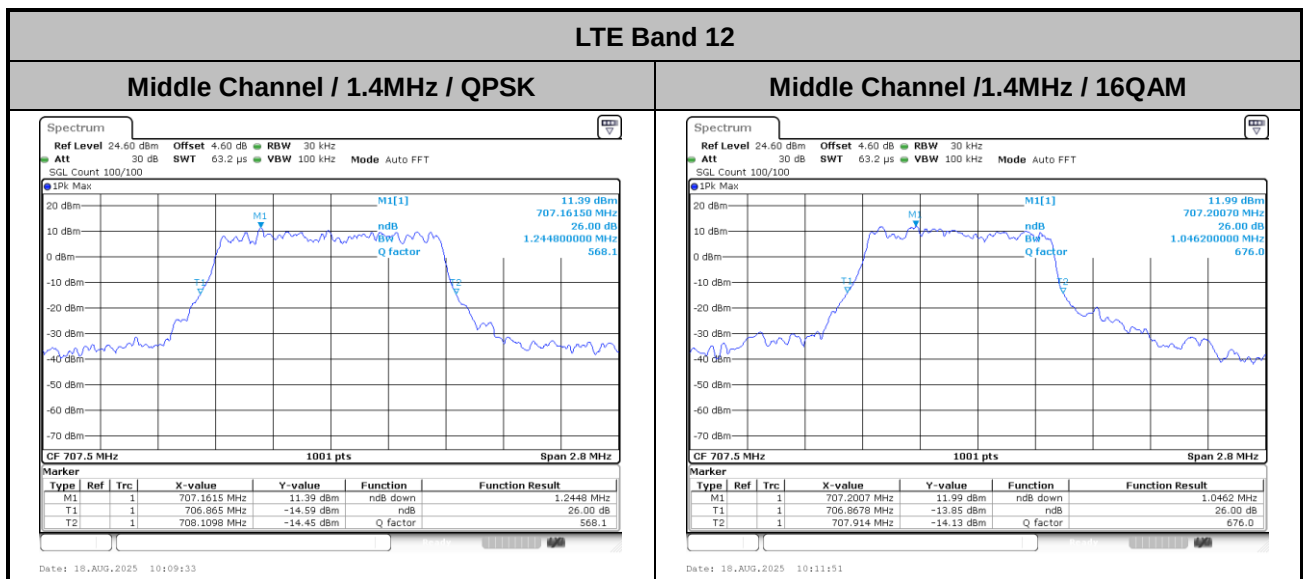
Peak-to-Average Ratio

Mode	LTE Band 12 / 10MHz		
Mod.	QPSK	16QAM	Limit: 13dB
RB Size	Full RB	Full RB	Result
Middle CH	5.45	8.38	PASS



**26dB Bandwidth**

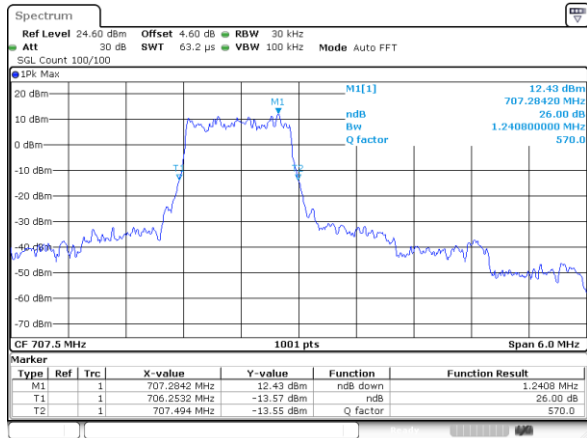
Mode	LTE Band 12 : 26dB BW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.24	1.05
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	1.24	1.09
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	1.22	1.12
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	1.22	1.08





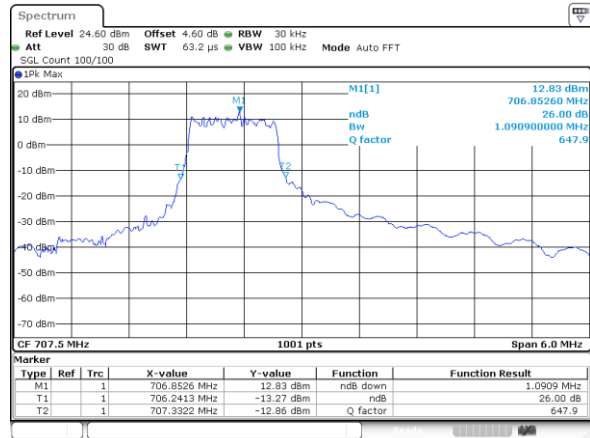
LTE Band 12

Middle Channel / 3MHz / QPSK



Date: 18.AUG.2025 09:46:35

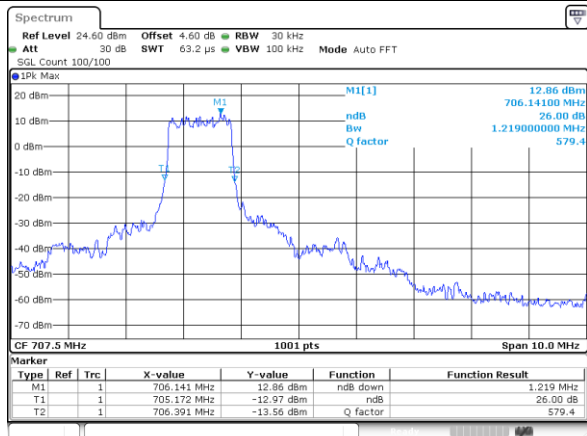
Middle Channel / 3MHz / 16QAM



Date: 18.AUG.2025 10:53:33

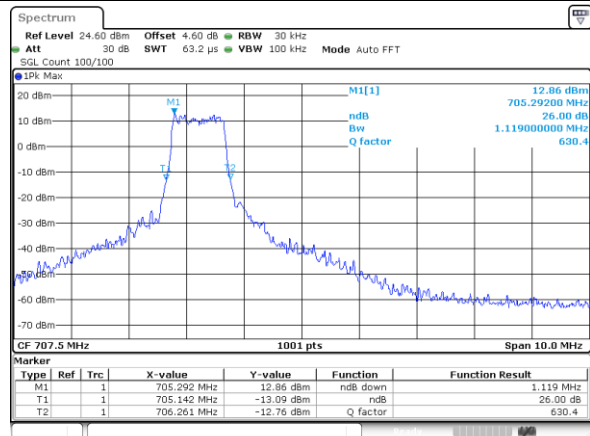
LTE Band 12

Middle Channel / 5MHz / QPSK



Date: 18.AUG.2025 10:25:53

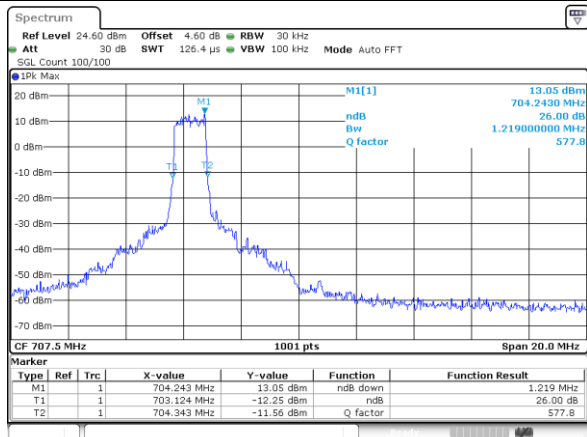
Middle Channel / 5MHz / 16QAM



Date: 18.AUG.2025 10:27:32

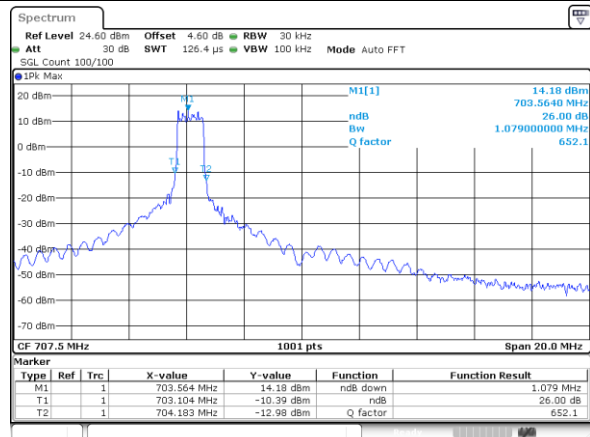
LTE Band 12

Middle Channel / 10MHz / QPSK



Date: 18.AUG.2025 10:40:16

Middle Channel / 10MHz / 16QAM

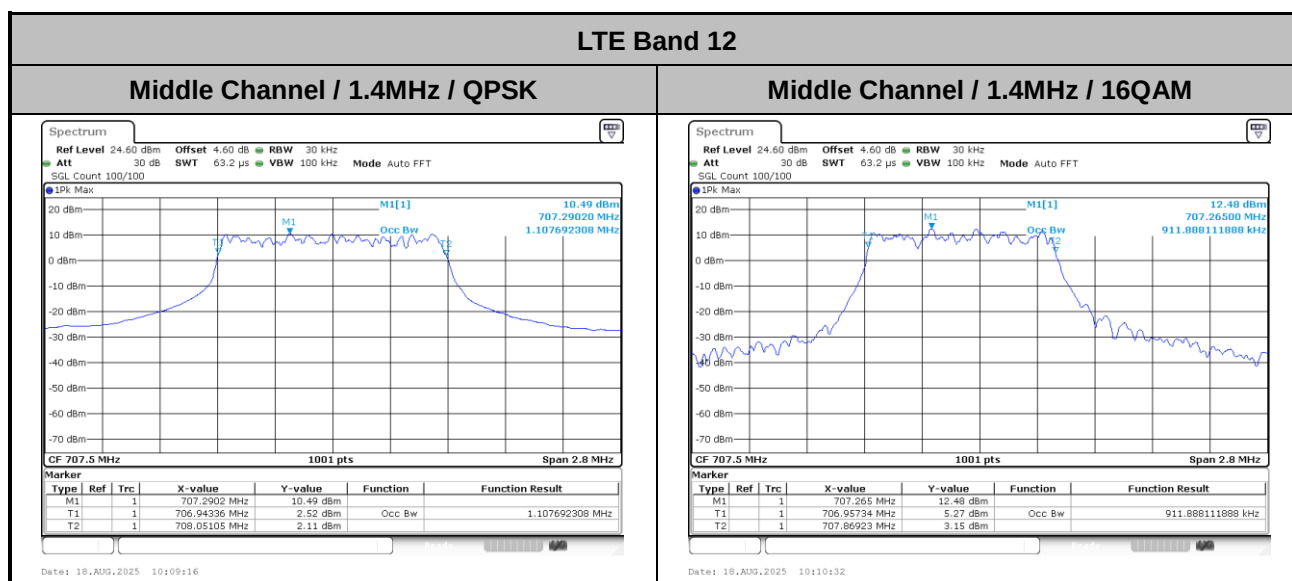


Date: 18.AUG.2025 10:41:08



Occupied Bandwidth

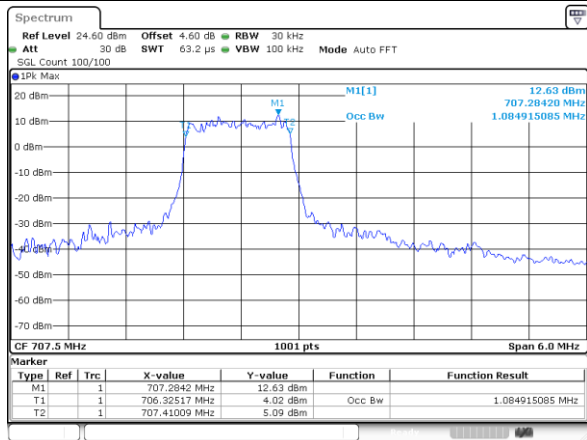
Mode	LTE Band 12 : 99%OBW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.11	0.91
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	1.08	0.93
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	1.10	0.93
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	1.10	0.92



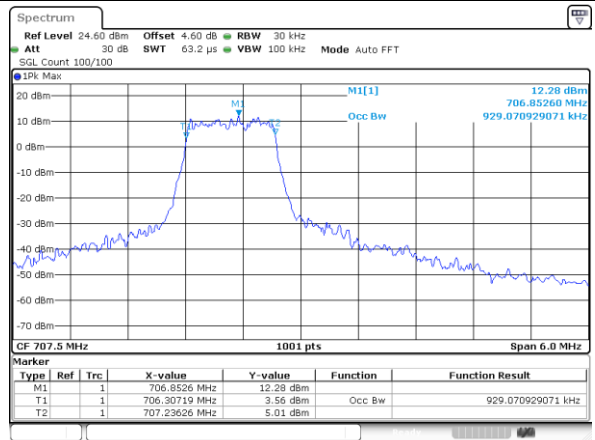


LTE Band 12

Middle Channel / 3MHz / QPSK

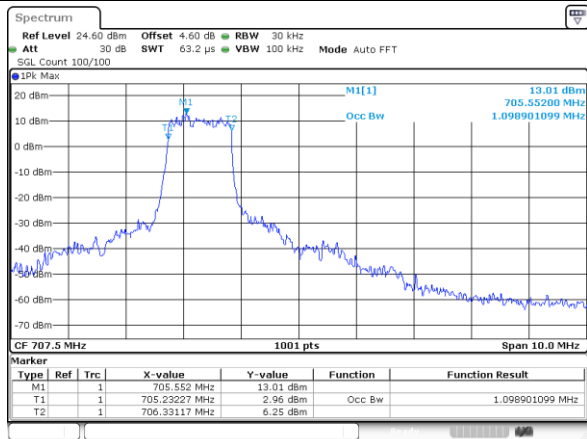


Middle Channel / 3MHz / 16QAM

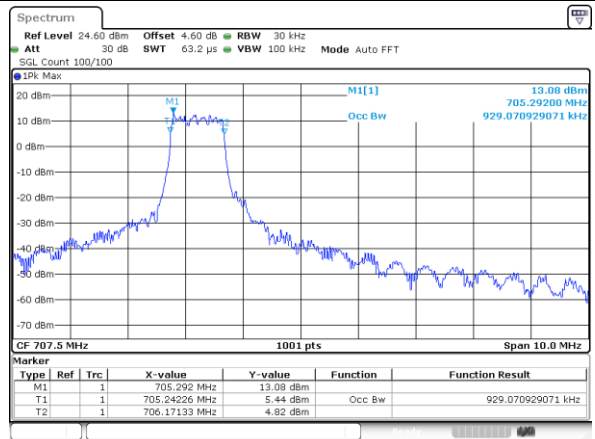


LTE Band 12

Middle Channel / 5MHz / QPSK

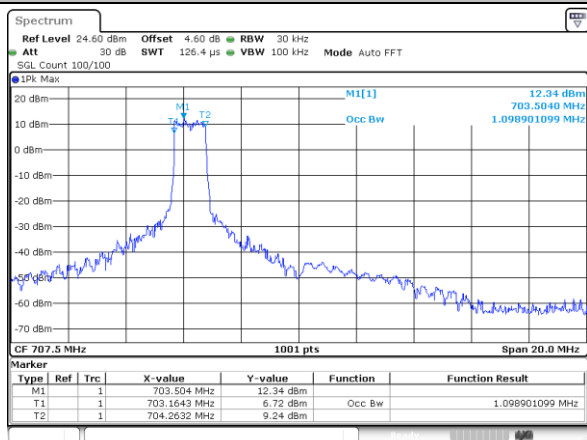


Middle Channel / 5MHz / 16QAM

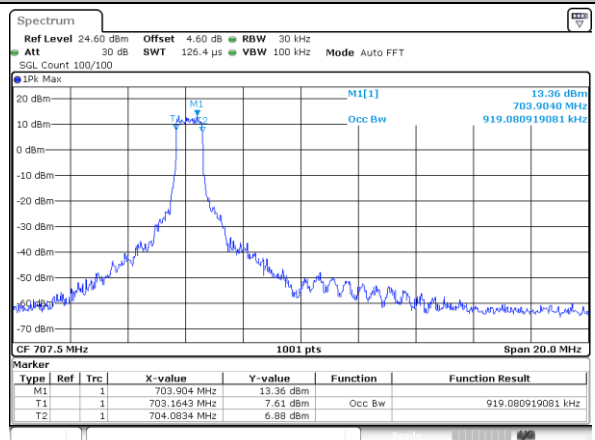


LTE Band 12

Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM

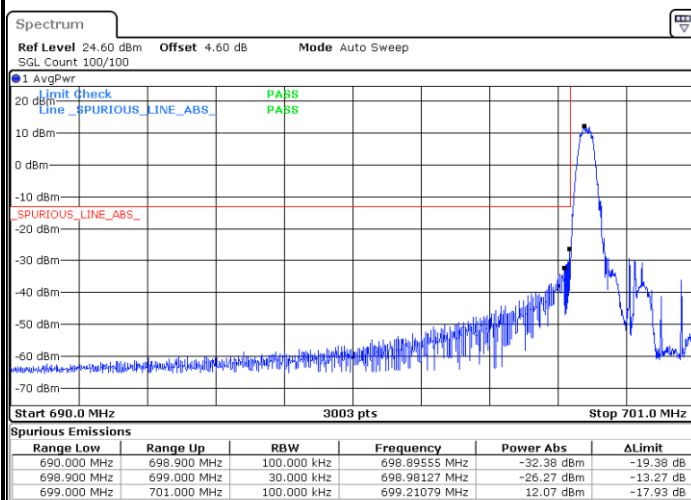




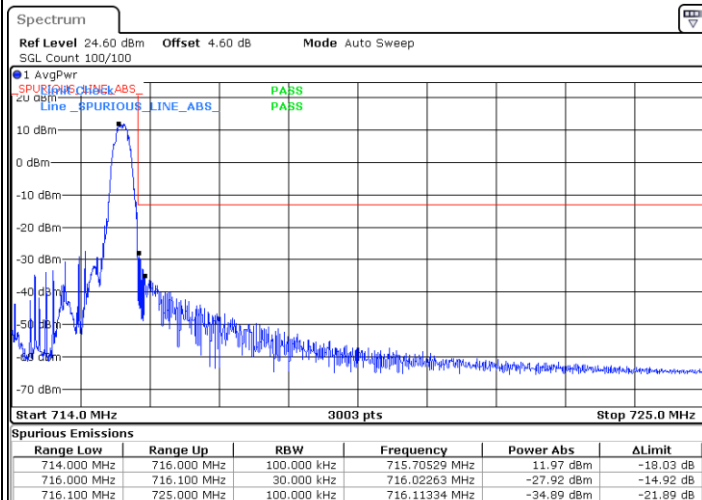
Conducted Band Edge

LTE Band 12 / 1.4MHz / QPSK

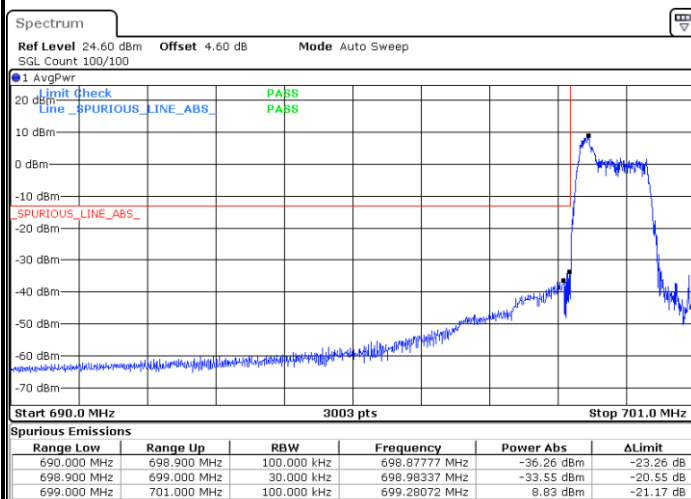
Lowest Band Edge / 1RB



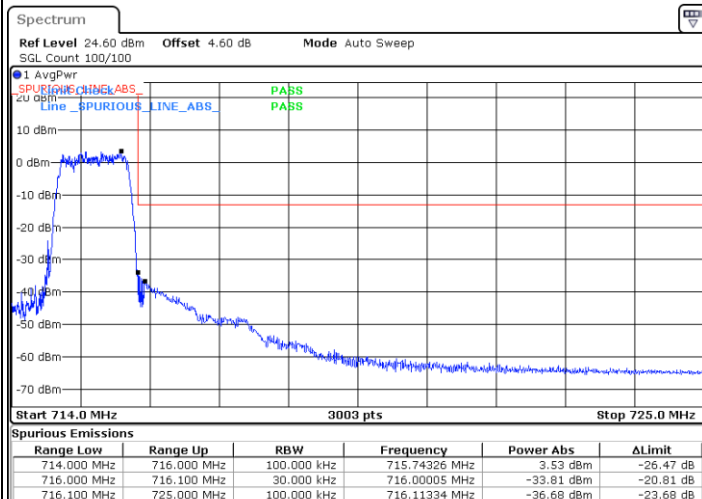
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



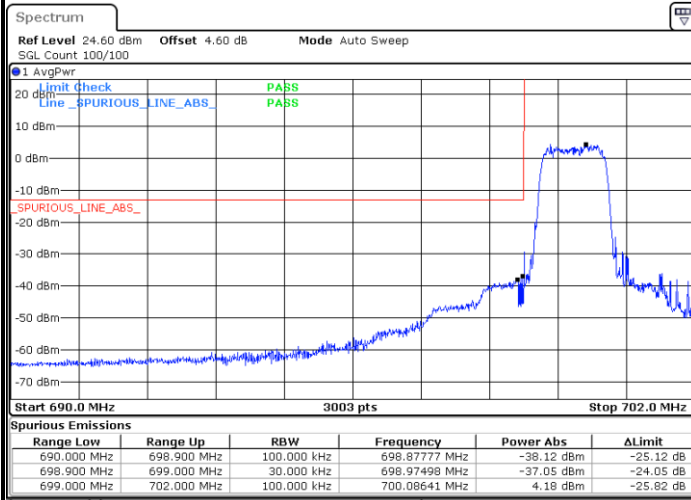
Highest Band Edge / Full RB



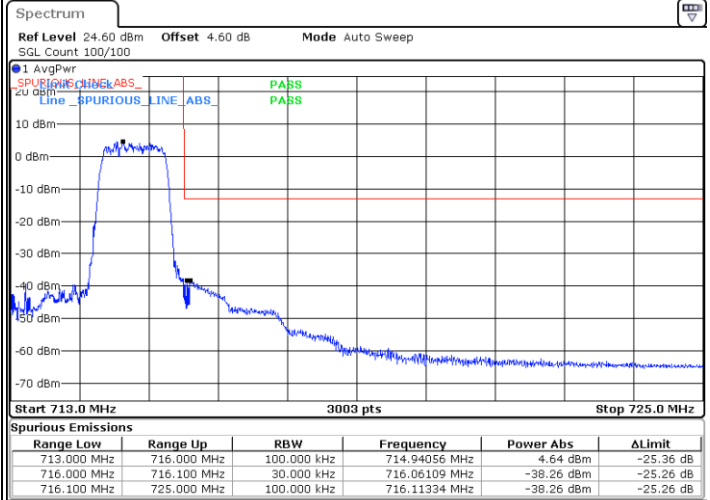


LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / Full RB

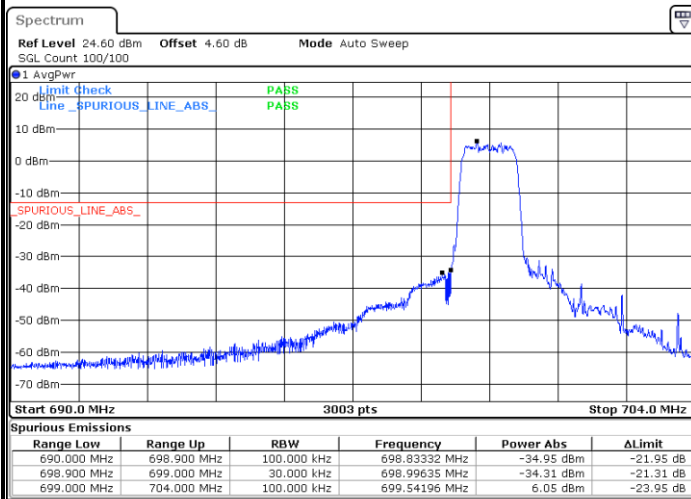


Highest Band Edge / Full RB

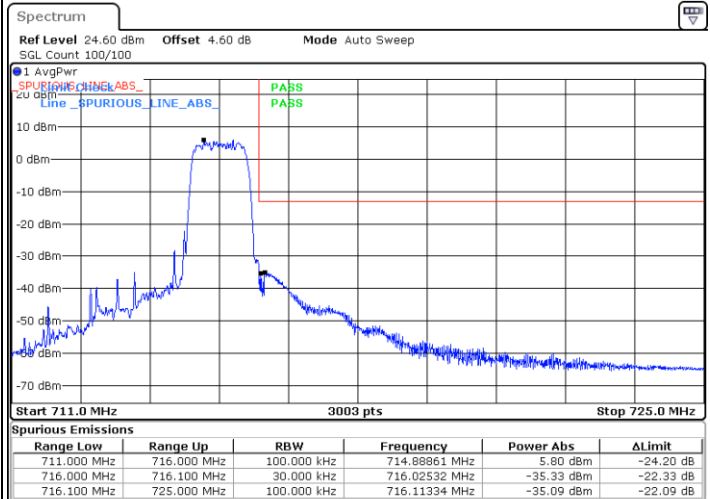


LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

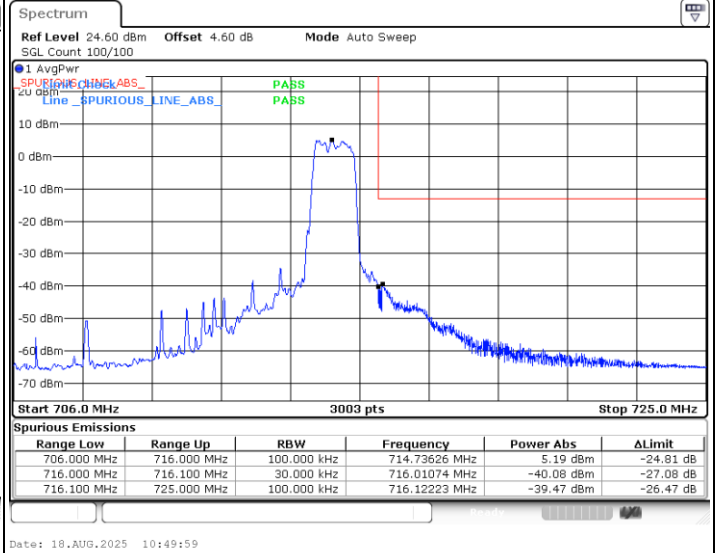
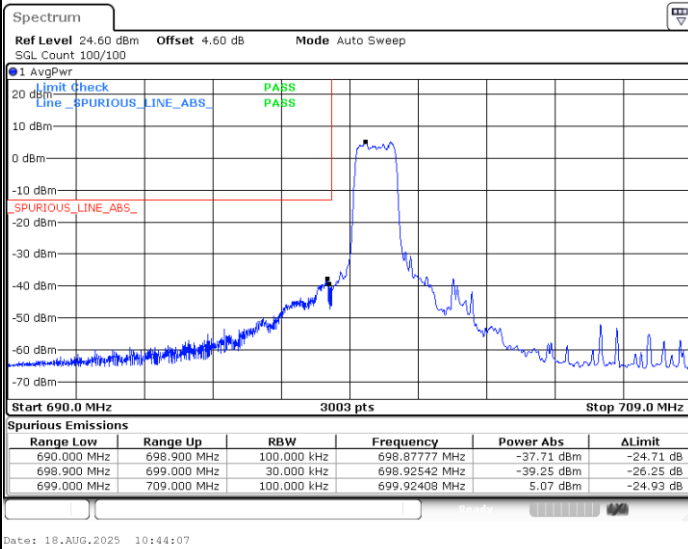




LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

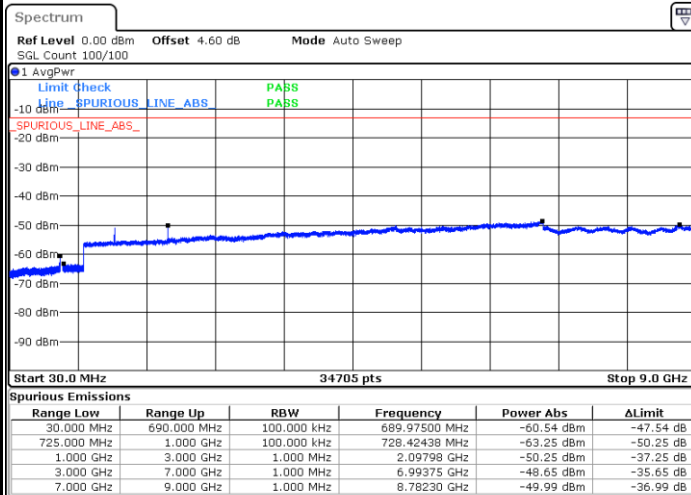




Conducted Spurious Emission

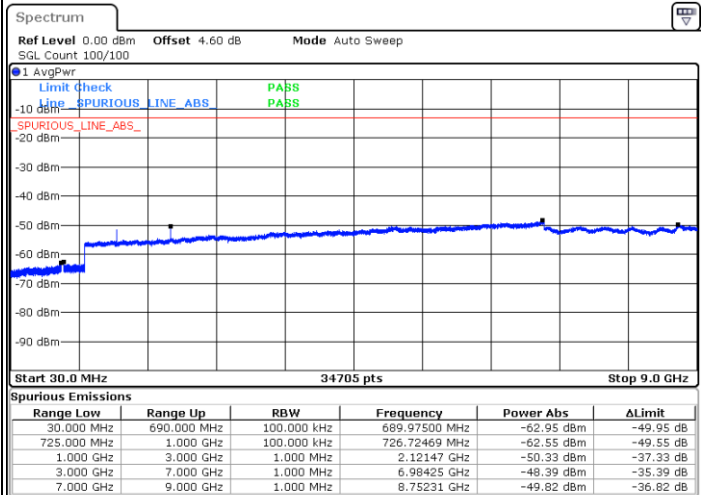
LTE Band 12 / 1.4MHz

Lowest Channel / QPSK



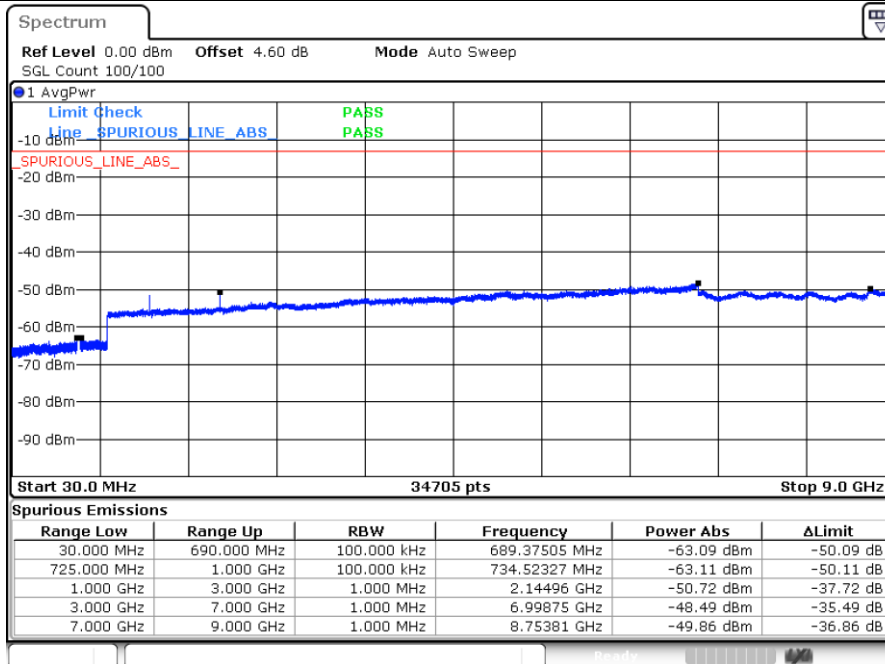
Date: 18.AUG.2025 10:23:33

Middle Channel / QPSK



Date: 18.AUG.2025 10:13:16

Highest Channel / QPSK

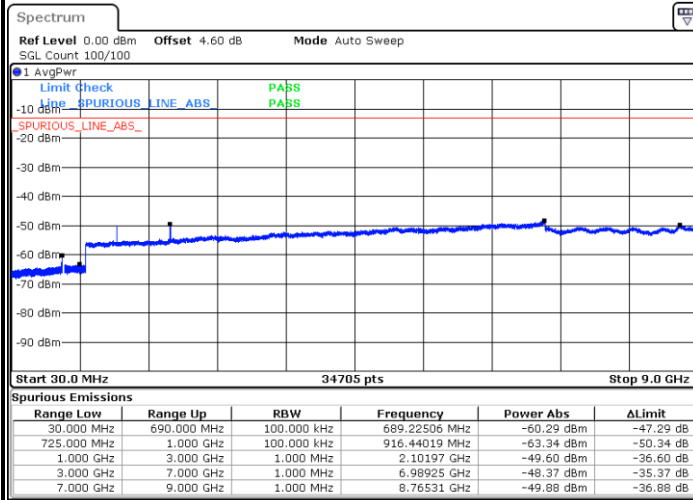


Date: 18.AUG.2025 10:15:06



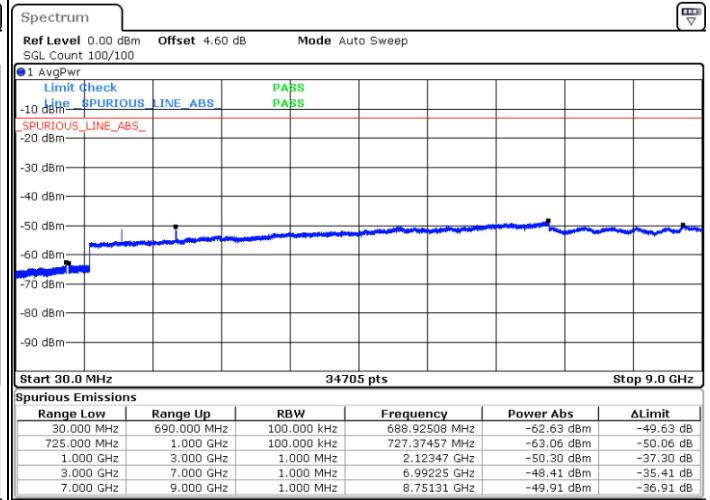
LTE Band 12 / 3MHz

Lowest Channel / QPSK



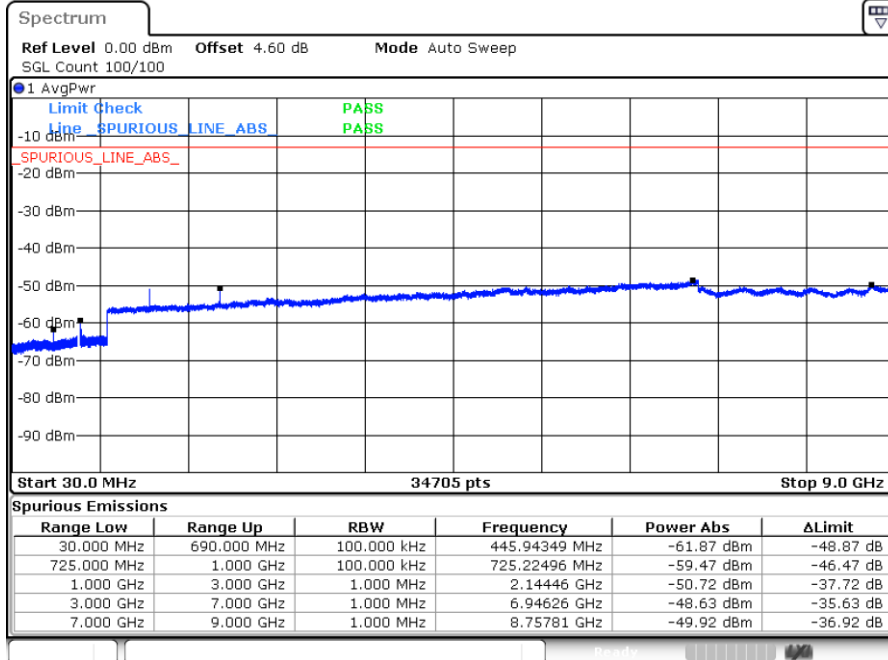
Date: 18.AUG.2025 10:07:47

Middle Channel / QPSK



Date: 18.AUG.2025 10:05:14

Highest Channel / QPSK

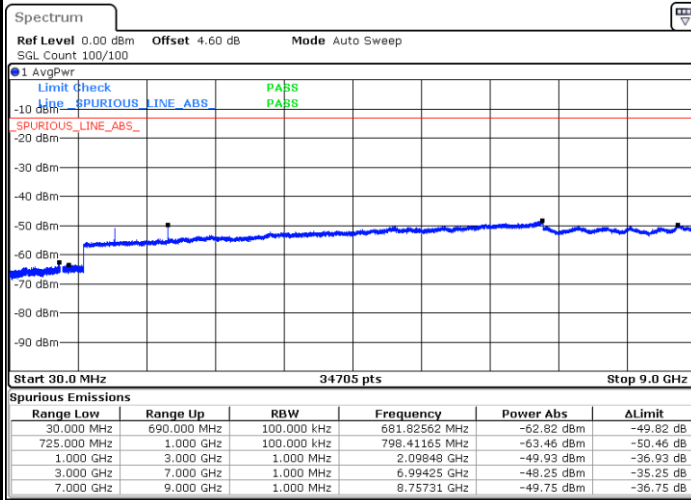


Date: 18.AUG.2025 10:04:20



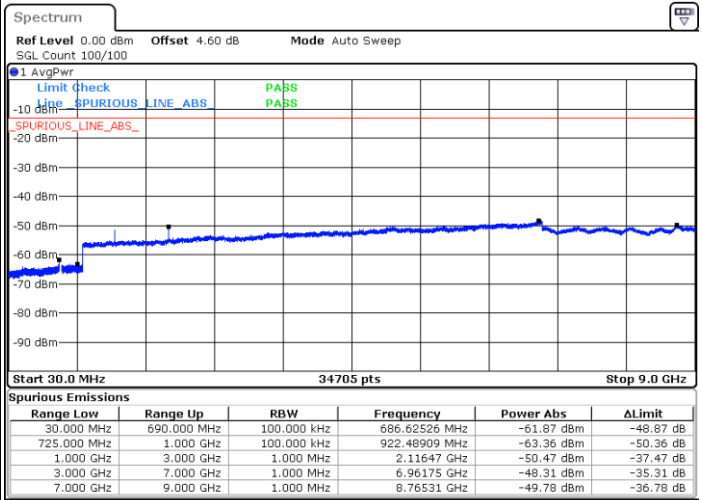
LTE Band 12 / 5MHz

Lowest Channel / QPSK



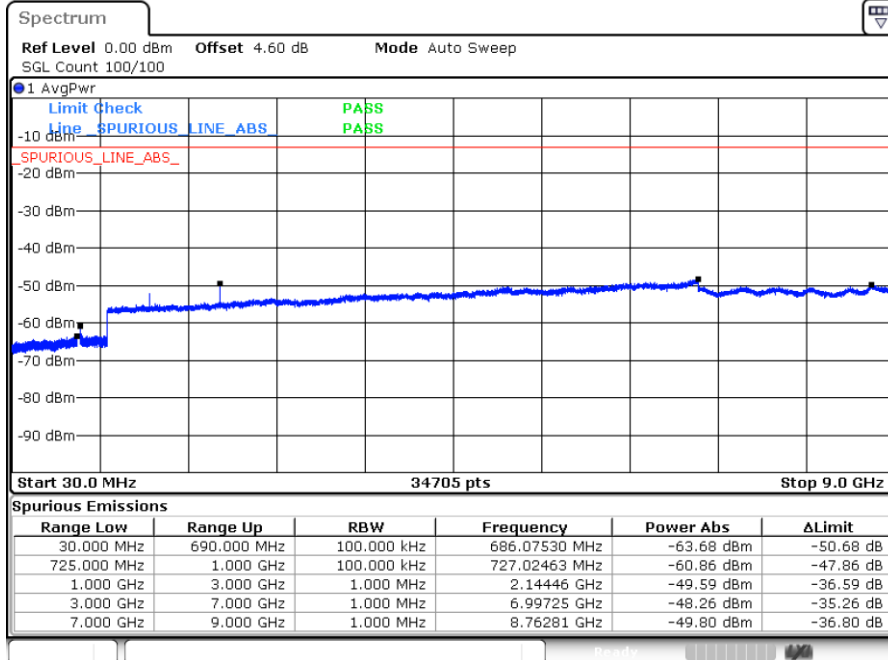
Date: 18.AUG.2025 10:31:01

Middle Channel / QPSK



Date: 18.AUG.2025 10:32:29

Highest Channel / QPSK

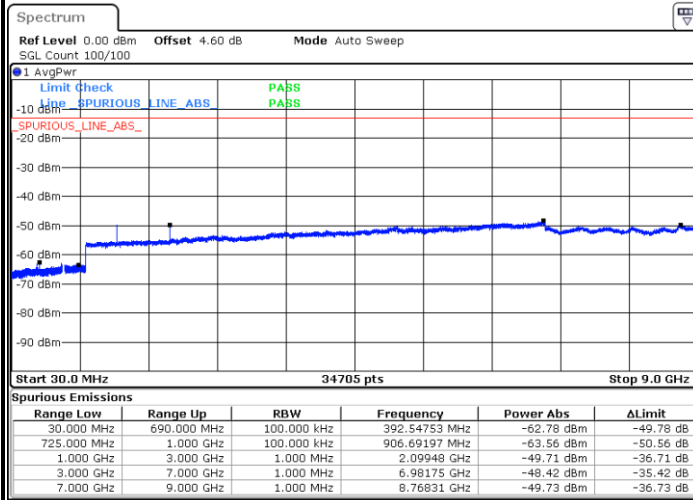


Date: 18.AUG.2025 10:34:22



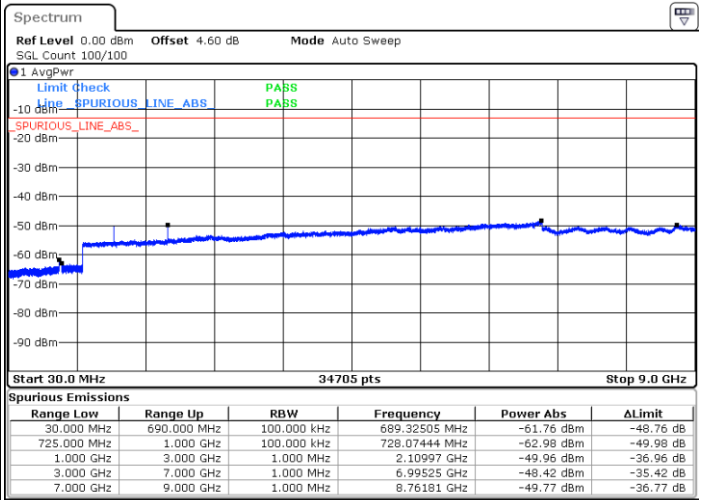
LTE Band 12 / 10MHz

Lowest Channel / QPSK



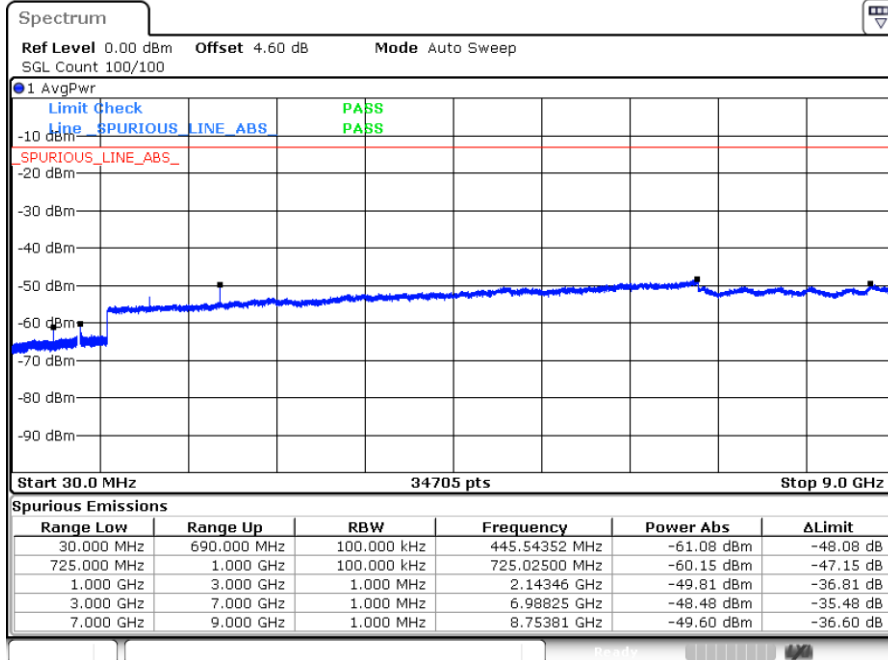
Date: 18.AUG.2025 10:45:43

Middle Channel / QPSK



Date: 18.AUG.2025 10:47:06

Highest Channel / QPSK



Date: 18.AUG.2025 10:48:37

Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0045	PASS
40	Normal Voltage	0.0026	
30	Normal Voltage	0.0015	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0029	
0	Normal Voltage	0.0037	
-10	Normal Voltage	0.0056	
-20	Normal Voltage	0.0012	
-30	Normal Voltage	0.0035	
20	Maximum Voltage	0.0019	
20	Normal Voltage	0.0019	
20	Minimum Voltage	0.0026	

Note:

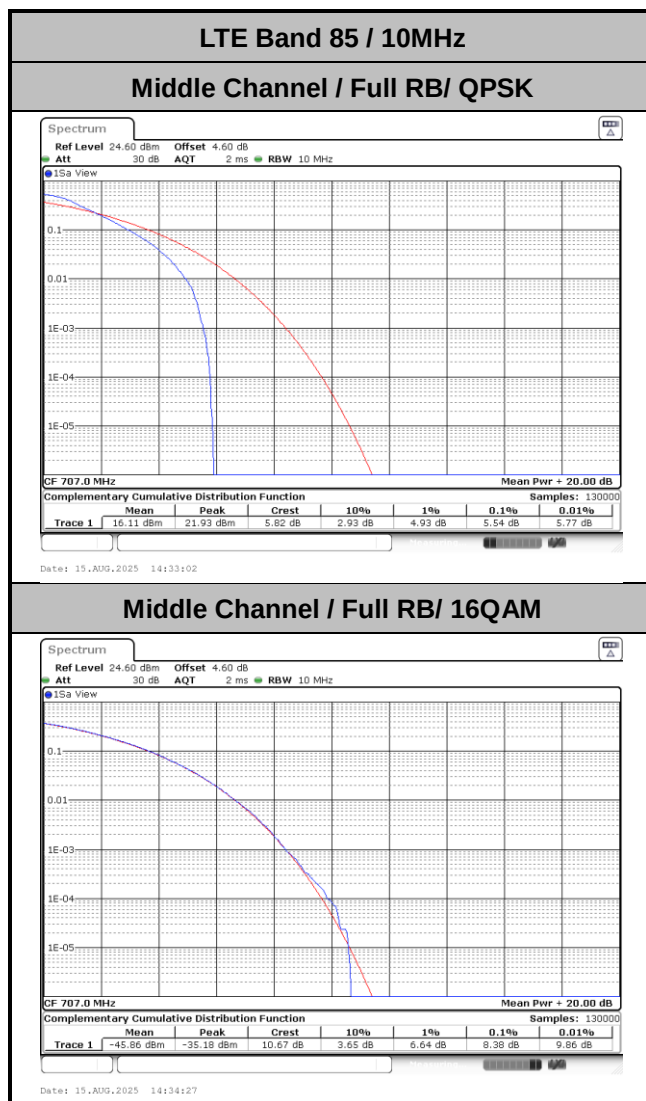
1. Normal Voltage =12 V. ; Minimum Voltage =7 V. ; Maximum Voltage = 28V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 85

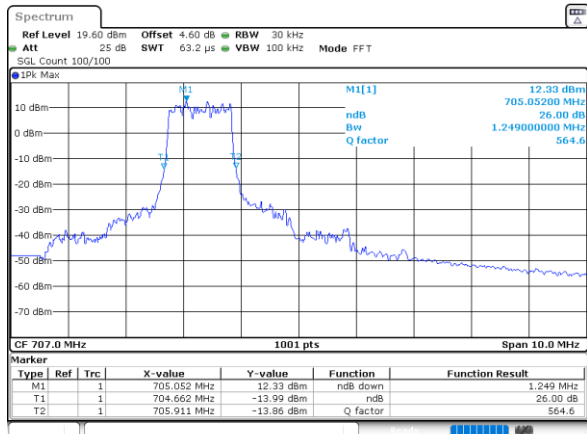
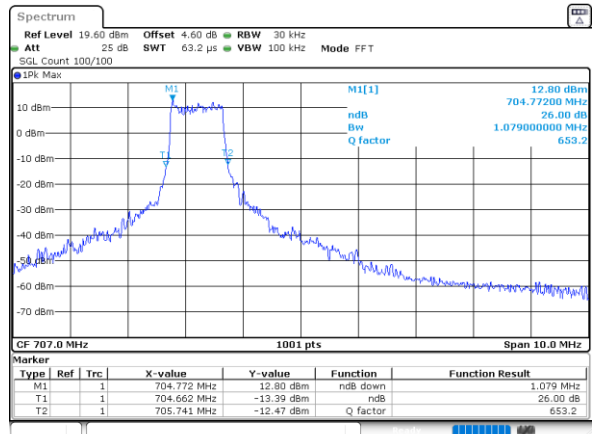
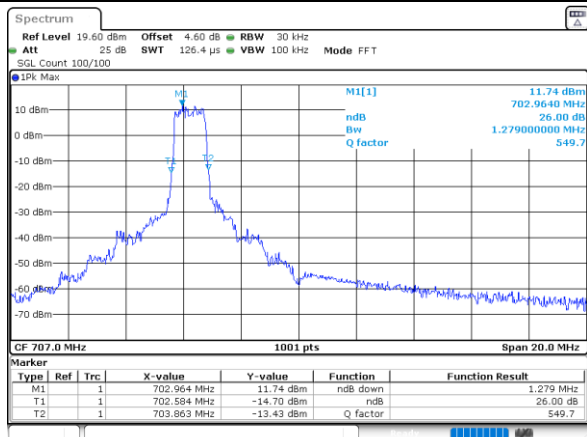
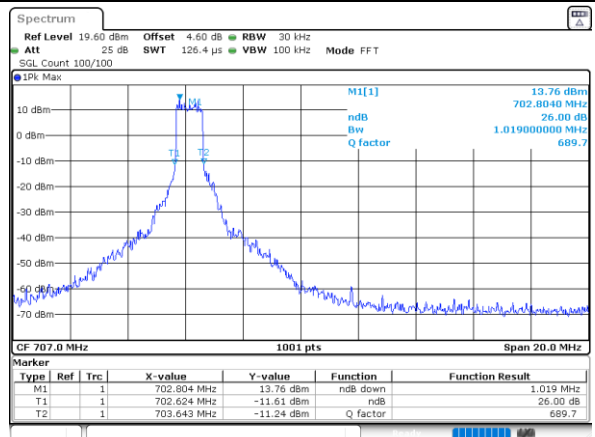
Peak-to-Average Ratio

Mode	LTE Band 85 / 10MHz		
Mod.	QPSK	16QAM	Limit: 13dB
RB Size	Full RB	Full RB	Result
Middle CH	5.54	8.38	PASS



**26dB Bandwidth**

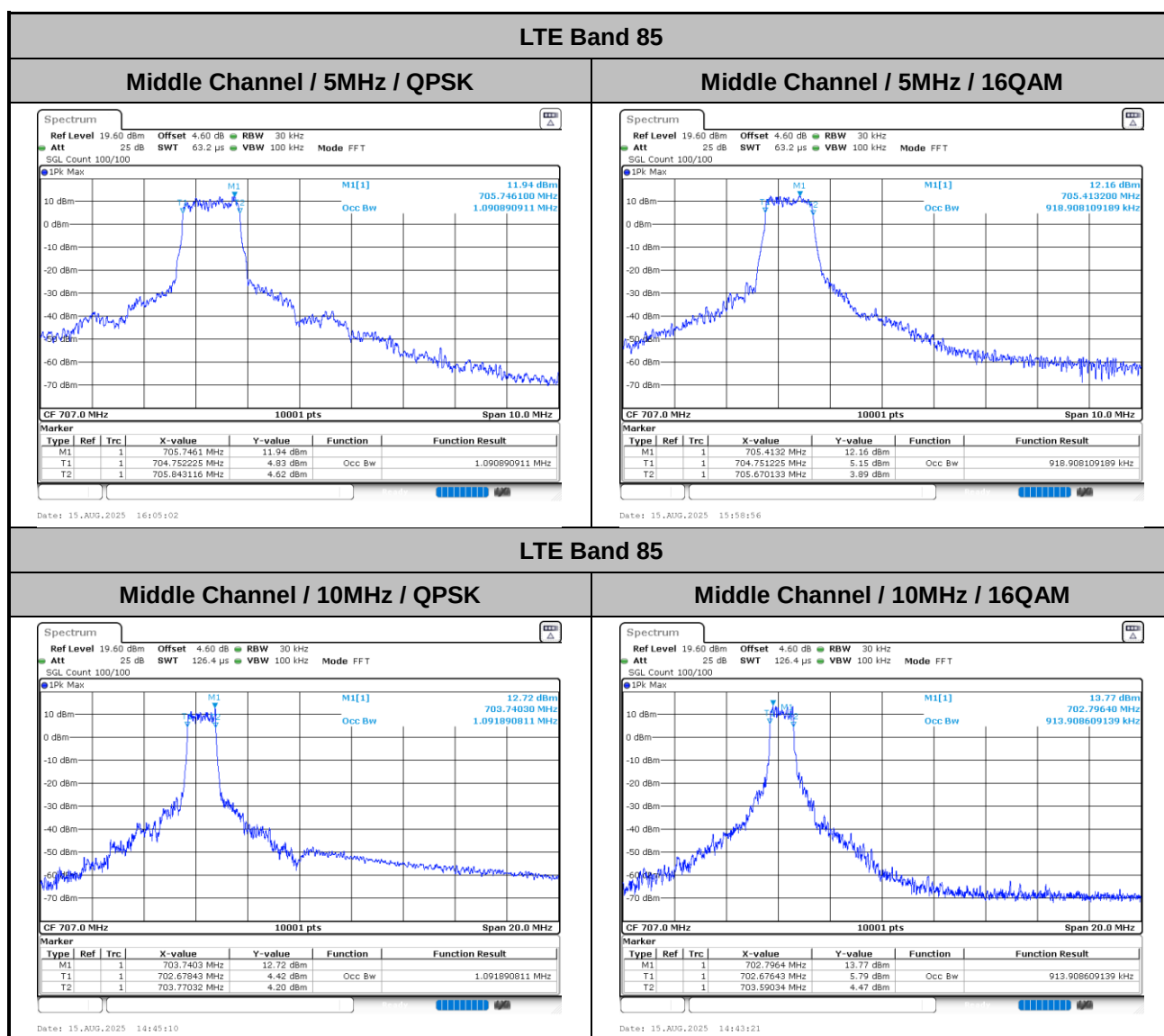
Mode	LTE Band 85 : 26dB BW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	1.25	1.08
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	1.28	1.02

Middle Channel / 5MHz / QPSK**Middle Channel / 5MHz / 16QAM****LTE Band 85****Middle Channel / 10MHz / QPSK****Middle Channel / 10MHz / 16QAM**



Occupied Bandwidth

Mode	LTE Band 85 : 99%OBW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	1.09	0.92
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	1.09	0.91

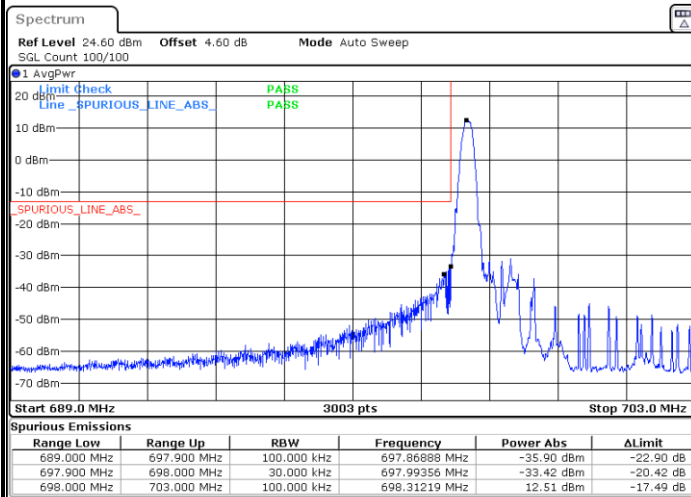




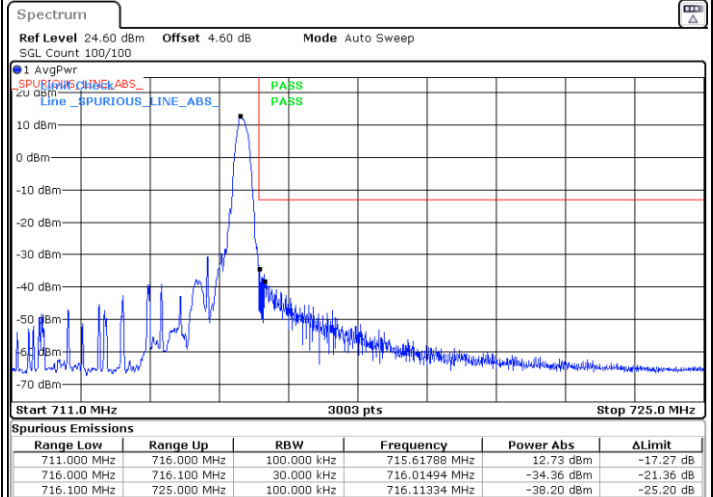
Conducted Band Edge

LTE Band 85 / 5MHz / QPSK

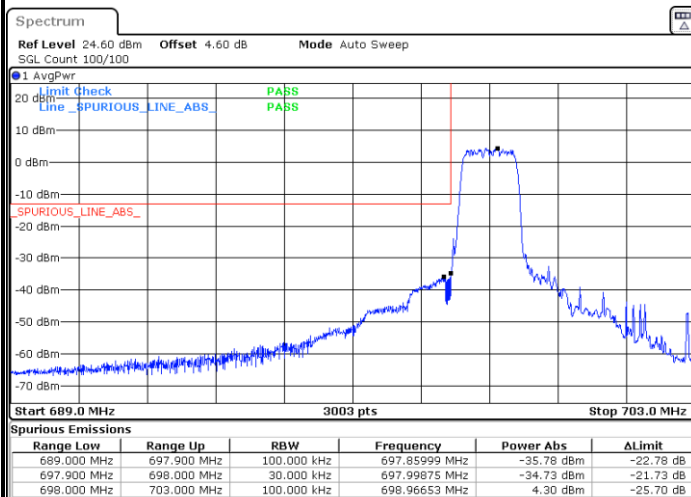
Lowest Band Edge / 1RB



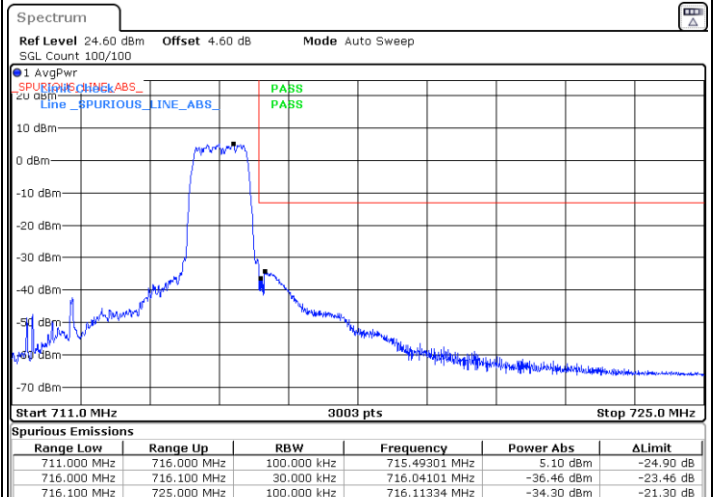
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

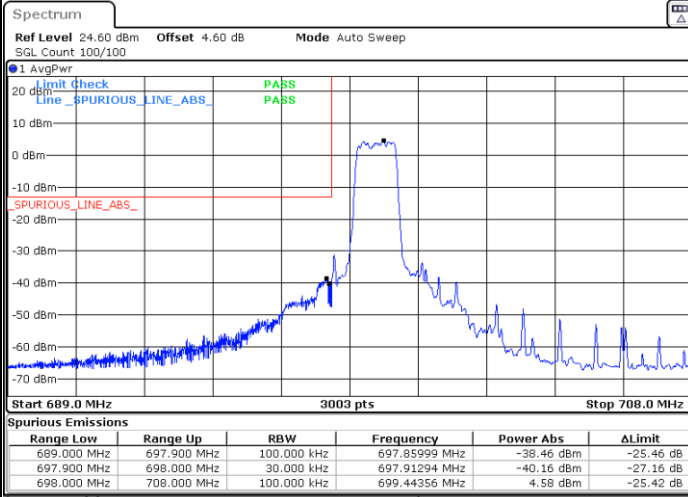




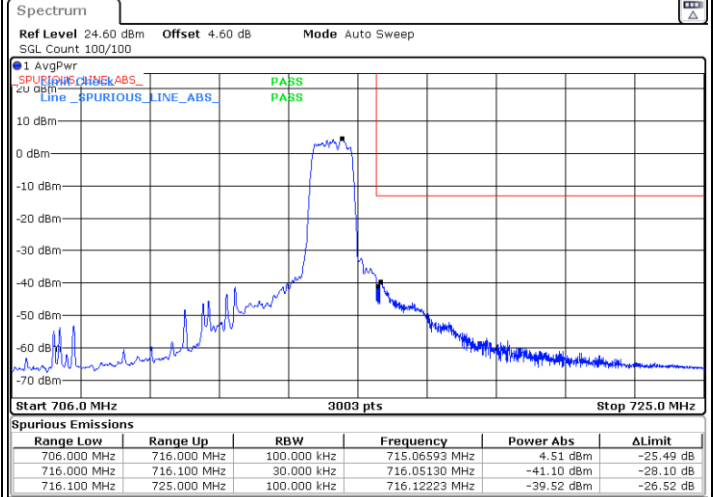
LTE Band 85 / 10MHz / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 15.AUG.2025 14:51:45



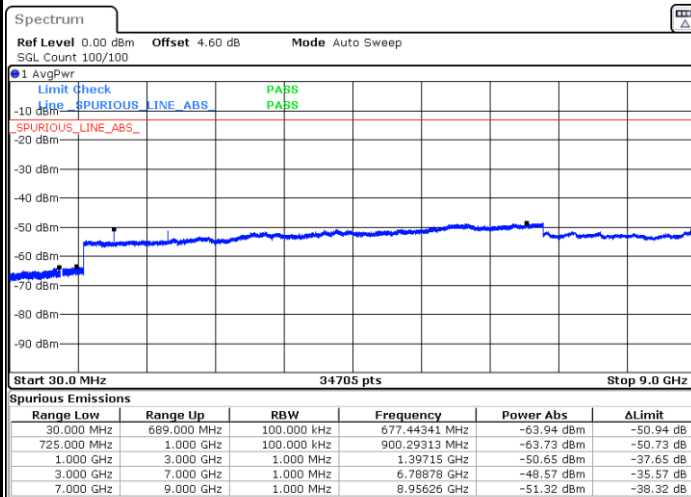
Date: 15.AUG.2025 15:01:35



Conducted Spurious Emission

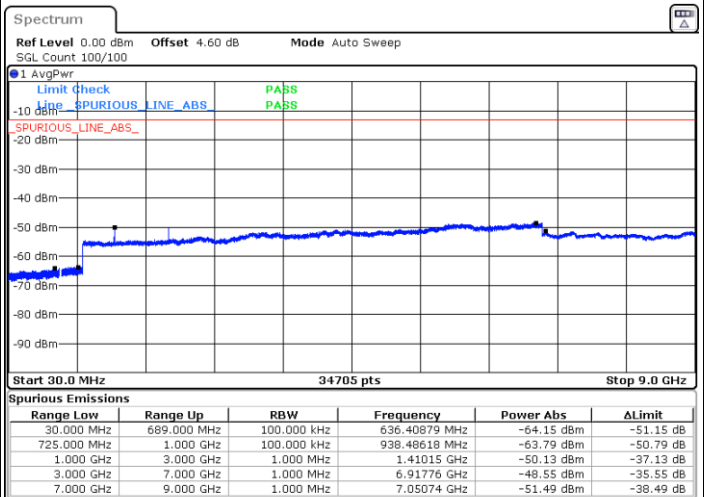
LTE Band 85 / 5MHz

Lowest Channel / QPSK



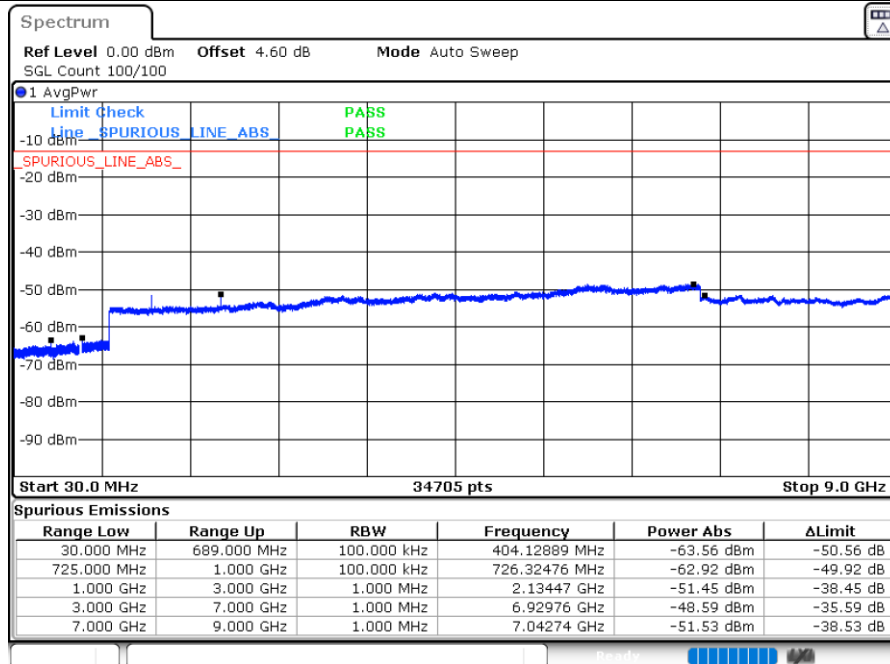
Date: 15.AUG.2025 15:20:55

Middle Channel / QPSK



Date: 15.AUG.2025 15:22:34

Highest Channel / QPSK

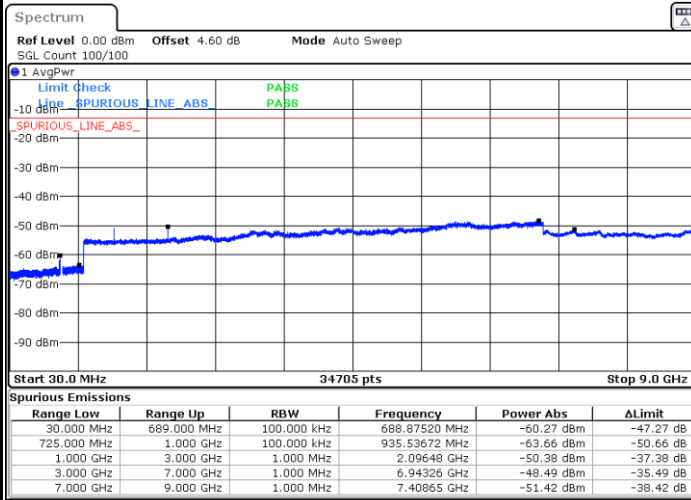


Date: 15.AUG.2025 15:26:07



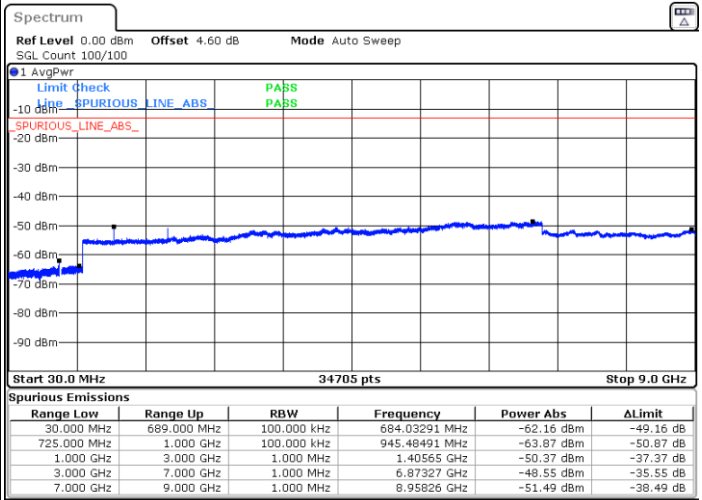
LTE Band 85 / 10MHz

Lowest Channel / QPSK



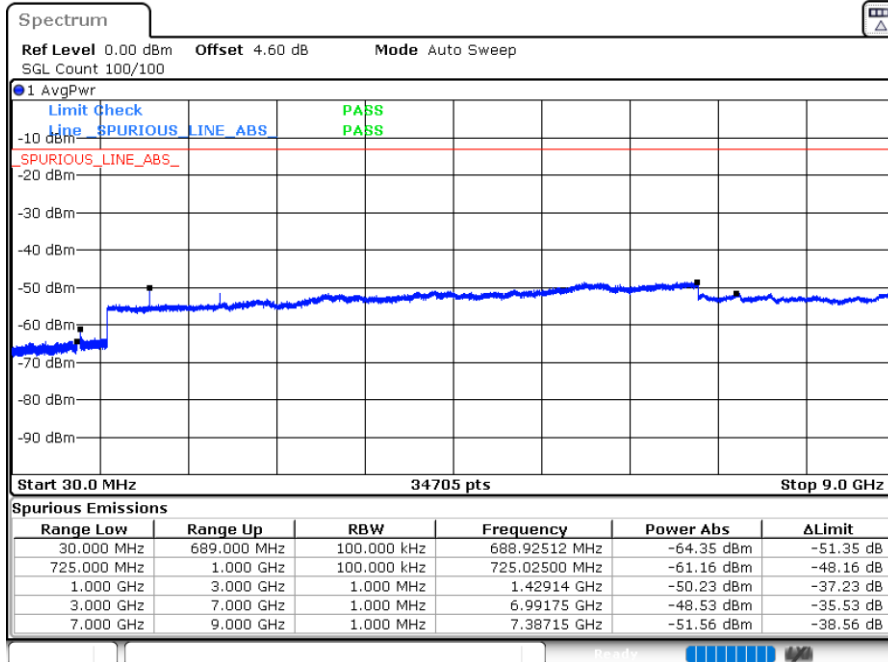
Date: 15.AUG.2025 15:15:11

Middle Channel / QPSK



Date: 15.AUG.2025 15:13:05

Highest Channel / QPSK



Date: 15.AUG.2025 15:03:44

Frequency Stability

Test Conditions		LTE Band 85 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0036	PASS
40	Normal Voltage	0.0010	
30	Normal Voltage	0.0029	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0032	
0	Normal Voltage	0.0019	
-10	Normal Voltage	0.0047	
-20	Normal Voltage	0.0020	
-30	Normal Voltage	0.0026	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0012	
20	Minimum Voltage	0.0027	

Note:

1. Normal Voltage =12 V. ; Minimum Voltage = 7V. ; Maximum Voltage =28 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Jake	Temperature :	22~23°C
		Relative Humidity :	40~42%

For Sample 1

LTE Band 12 / 10MHz / QPSK								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1400	-17.52	-13	-4.52	-24.49	1.58	10.70	H
	2096	-23.03	-13	-10.03	-31.28	2.102	12.50	H
	2800	-25.03	-13	-12.03	-33.92	2.856	13.90	H
	3496	-35.84	-13	-22.84	-43.60	3.093	13.00	H
	4200	-40.06	-13	-27.06	-48.83	3.178	14.10	H
	4896	-32.73	-13	-19.73	-39.97	3.306	12.70	H
	5600	-42.41	-13	-29.41	-50.00	3.406	13.15	H
	6296	-39.50	-13	-26.50	-47.26	3.093	13.00	H
	7000	-45.31	-13	-32.31	-54.08	3.178	14.10	H
	7696	-43.15	-13	-30.15	-50.39	3.306	12.70	H
	8400	-44.24	-13	-31.24	-51.83	3.406	13.15	H
	1400	-14.02	-13	-1.02	-20.99	1.58	10.70	V
	2096	-24.28	-13	-11.28	-32.53	2.10	12.50	V
	2800	-26.56	-13	-13.56	-35.45	2.86	13.90	V
	3496	-38.96	-13	-25.96	-46.72	3.09	13.00	V
	4200	-40.69	-13	-27.69	-49.46	3.18	14.10	V
	4896	-33.11	-13	-20.11	-40.35	3.31	12.70	V
	5600	-38.10	-13	-25.10	-45.69	3.41	13.15	V
	6296	-37.84	-13	-24.84	-45.60	3.09	13.00	V
	7000	-41.59	-13	-28.59	-50.36	3.18	14.10	V
	7696	-42.20	-13	-29.20	-49.44	3.31	12.70	V
	8400	-43.49	-13	-30.49	-51.08	3.41	13.15	V
Middle	1408	-17.96	-13	-4.96	-24.93	1.58	10.70	H
	2112	-22.73	-13	-9.73	-30.98	2.102	12.50	H
	2816	-24.79	-13	-11.79	-33.68	2.856	13.90	H
	3520	-35.54	-13	-22.54	-43.30	3.093	13.00	H
	4216	-36.14	-13	-23.14	-44.91	3.178	14.10	H
	4920	-33.00	-13	-20.00	-40.24	3.306	12.70	H
	5624	-38.75	-13	-25.75	-46.34	3.406	13.15	H
	6328	-36.96	-13	-23.96	-44.72	3.093	13.00	H
	7032	-42.98	-13	-29.98	-51.75	3.178	14.10	H
	7736	-41.14	-13	-28.14	-48.38	3.306	12.70	H
	8440	-45.83	-13	-32.83	-53.42	3.406	13.15	H



	1408	-13.87	-13	-0.87	-20.84	1.58	10.70	V
	2112	-26.69	-13	-13.69	-34.94	2.10	12.50	V
	2816	-27.15	-13	-14.15	-36.04	2.86	13.90	V
	3520	-36.91	-13	-23.91	-44.67	3.09	13.00	V
	4216	-40.75	-13	-27.75	-49.52	3.18	14.10	V
	4920	-30.22	-13	-17.22	-37.46	3.31	12.70	V
	5624	-39.21	-13	-26.21	-46.80	3.41	13.15	V
	6328	-36.37	-13	-23.37	-44.13	3.09	13.00	V
	7032	-42.33	-13	-29.33	-51.10	3.18	14.10	V
	7736	-37.50	-13	-24.50	-44.74	3.31	12.70	V
	8440	-43.77	-13	-30.77	-51.36	3.41	13.15	V
Highest	1416	-18.10	-13	-5.10	-25.07	1.58	10.70	H
	2120	-23.26	-13	-10.26	-31.51	2.102	12.50	H
	2824	-23.29	-13	-10.29	-32.18	2.856	13.90	H
	3536	-32.31	-13	-19.31	-40.07	3.093	13.00	H
	4240	-36.12	-13	-23.12	-44.89	3.178	14.10	H
	4944	-33.12	-13	-20.12	-40.36	3.306	12.70	H
	5656	-38.81	-13	-25.81	-46.40	3.406	13.15	H
	6360	-38.44	-13	-25.44	-46.20	3.093	13.00	H
	7064	-40.71	-13	-27.71	-49.48	3.178	14.10	H
	7776	-41.50	-13	-28.50	-48.74	3.306	12.70	H
	8480	-45.47	-13	-32.47	-53.06	3.406	13.15	H
	1416	-15.27	-13	-2.27	-22.24	1.58	10.70	V
	2120	-26.90	-13	-13.90	-35.15	2.10	12.50	V
	2824	-27.01	-13	-14.01	-35.90	2.86	13.90	V
	3536	-34.75	-13	-21.75	-42.51	3.09	13.00	V
	4240	-40.81	-13	-27.81	-49.58	3.18	14.10	V
	4944	-27.21	-13	-14.21	-34.45	3.31	12.70	V
	5656	-36.84	-13	-23.84	-44.43	3.41	13.15	V
	6360	-37.28	-13	-24.28	-45.04	3.09	13.00	V
	7064	-42.57	-13	-29.57	-51.34	3.18	14.10	V
	7776	-37.21	-13	-24.21	-44.45	3.31	12.70	V
	8480	-45.83	-13	-32.83	-53.42	3.41	13.15	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 13 / 10MHz / QPSK								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1552	-43.84	-13	-30.84	-46.47	1.09	5.87	H
	2336	-37.53	-13	-24.53	-39.93	1.37	5.92	H
	3112	-44.19	-13	-31.19	-48.08	1.64	7.68	H
	3888	-43.88	-13	-30.88	-46.51	1.09	5.87	H
	4664	-51.80	-13	-38.80	-54.20	1.37	5.92	H
	5448	-53.89	-13	-40.89	-57.78	1.64	7.68	H
	1552	-37.86	-13	-24.86	-40.49	1.09	5.87	V
	2336	-38.42	-13	-25.42	-40.82	1.37	5.92	V
	3112	-46.49	-13	-33.49	-50.38	1.64	7.68	V
	3888	-48.53	-13	-35.53	-51.16	1.09	5.87	V
	4664	-52.06	-13	-39.06	-54.46	1.37	5.92	V
	5448	-53.34	-13	-40.34	-57.23	1.64	7.68	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 25 / 20MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3705	-31.53	-13	-18.53	-43.79	2.64	14.90	H
	5550	-32.76	-13	-19.76	-44.62	2.94	14.80	H
	7410	-45.08	-13	-32.08	-54.85	3.39	13.16	H
	3705	-30.48	-13	-17.48	-42.74	2.64	14.90	V
	5550	-34.57	-13	-21.57	-46.43	2.94	14.80	V
	7410	-45.07	-13	-32.07	-54.84	3.39	13.16	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 26 / 15MHz / QPSK								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1648	-40.94	-13	-27.94	-47.91	1.58	10.70	H
	2472	-43.08	-13	-30.08	-51.33	2.102	12.50	H
	3296	-55.46	-13	-42.46	-64.35	2.856	13.90	H
	1648	-41.21	-13	-28.21	-48.18	1.58	10.70	V
	2472	-42.23	-13	-29.23	-50.48	2.10	12.50	V
	3296	-56.01	-13	-43.01	-64.90	2.86	13.90	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 66 / 20MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3420	-40.92	-13	-27.92	-51.66	2.604	13.34	H
	5130	-37.66	-13	-24.66	-48.17	3.011	13.52	H
	6840	-45.32	-13	-32.32	-55.52	3.271	13.47	H
	8550	-42.67	-13	-29.67	-49.64	5.527	12.5	H
	10275	-40.17	-13	-27.17	-47.03	6.038	12.9	H
	3420	-37.60	-13	-24.60	-48.34	2.604	13.34	V
	5130	-31.29	-13	-18.29	-41.80	3.011	13.52	V
	6840	-42.70	-13	-29.70	-52.90	3.271	13.47	V
	8550	-45.78	-13	-32.78	-52.75	5.527	12.50	V
	10275	-45.55	-13	-32.55	-52.41	6.038	12.90	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 85 / 5MHz / QPSK								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1400	-21.29	-13	-8.29	-28.26	1.58	10.70	H
	2096	-29.36	-13	-16.36	-37.61	2.10	12.50	H
	2792	-33.30	-13	-20.30	-42.19	2.86	13.90	H
	3488	-43.16	-13	-30.16	-50.92	3.09	13.00	H
	4192	-55.16	-13	-42.16	-63.93	3.18	14.10	H
	4888	-50.31	-13	-37.31	-57.55	3.31	12.70	H
	5584	-49.71	-13	-36.71	-57.30	3.41	13.15	H
	6288	-52.56	-13	-39.56	-60.32	3.09	13.00	H
	6984	-55.44	-13	-42.44	-64.21	3.18	14.10	H
	1400	-20.38	-13	-7.38	-27.35	1.58	10.70	V
	2096	-31.54	-13	-18.54	-39.79	2.10	12.50	V
	2792	-32.32	-13	-19.32	-41.21	2.86	13.90	V
	3488	-46.11	-13	-33.11	-53.87	3.09	13.00	V
	4192	-54.62	-13	-41.62	-63.39	3.18	14.10	V
	4888	-50.56	-13	-37.56	-57.80	3.31	12.70	V
	5584	-50.98	-13	-37.98	-58.57	3.41	13.15	V
	6288	-53.47	-13	-40.47	-61.23	3.09	13.00	V
	6984	-53.44	-13	-40.44	-62.21	3.18	14.10	V
Middle	1408	-18.28	-13	-5.28	-25.25	1.58	10.70	H
	2112	-22.97	-13	-9.97	-31.22	2.102	12.50	H
	2808	-28.75	-13	-15.75	-37.64	2.856	13.90	H
	3512	-42.36	-13	-29.36	-50.12	3.093	13.00	H
	4216	-46.34	-13	-33.34	-55.11	3.178	14.10	H
	4920	-39.76	-13	-26.76	-47.00	3.306	12.70	H
	5624	-43.22	-13	-30.22	-50.81	3.406	13.15	H
	6328	-46.56	-13	-33.56	-54.32	3.093	13.00	H
	7024	-47.44	-13	-34.44	-56.21	3.178	14.10	H
	7728	-47.06	-13	-34.06	-54.30	3.306	12.70	V



	8432	-45.37	-13	-32.37	-52.96	3.406	13.15	V
	1408	-18.34	-13	-5.34	-25.31	1.58	10.70	V
	2112	-27.51	-13	-14.51	-35.76	2.10	12.50	V
	2808	-31.18	-13	-18.18	-40.07	2.86	13.90	V
	3512	-42.23	-13	-29.23	-49.99	3.09	13.00	V
	4216	-48.00	-13	-35.00	-56.77	3.18	14.10	V
	4920	-37.99	-13	-24.99	-45.23	3.31	12.70	V
	5624	-45.71	-13	-32.71	-53.30	3.41	13.15	V
Highest	1424	-18.45	-13	-5.45	-25.42	1.58	10.70	H
	2136	-22.60	-13	-9.60	-30.85	2.10	12.50	H
	2848	-26.49	-13	-13.49	-35.38	2.86	13.90	H
	3560	-35.51	-13	-22.51	-43.27	3.09	13.00	H
	4264	-39.88	-13	-26.88	-48.65	3.18	14.10	H
	4976	-37.40	-13	-24.40	-44.64	3.31	12.70	H
	5688	-37.53	-13	-24.53	-45.12	3.41	13.15	H
	6400	-39.24	-13	-26.24	-47.00	3.09	13.00	H
	7112	-45.43	-13	-32.43	-54.20	3.18	14.10	H
	7824	-41.50	-13	-28.50	-48.74	3.31	12.70	V
	8536	-48.36	-13	-35.36	-55.95	3.41	13.15	V
	1424	-17.34	-13	-4.34	-24.31	1.58	10.70	V
	2136	-28.44	-13	-15.44	-36.69	2.10	12.50	V
	2848	-30.02	-13	-17.02	-38.91	2.86	13.90	V
	3560	-40.74	-13	-27.74	-48.50	3.09	13.00	V
	4264	-43.36	-13	-30.36	-52.13	3.18	14.10	V
	4976	-35.72	-13	-22.72	-42.96	3.31	12.70	V
	5688	-38.34	-13	-25.34	-45.93	3.41	13.15	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 85 / 10MHz / QPSK								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1400	-23.60	-13	-10.60	-30.57	1.58	10.70	H
	2096	-28.28	-13	-15.28	-36.53	2.10	12.50	H
	2792	-35.29	-13	-22.29	-44.18	2.86	13.90	H
	3496	-42.72	-13	-29.72	-50.48	3.09	13.00	H
	4192	-55.73	-13	-42.73	-64.50	3.18	14.10	H
	4888	-52.66	-13	-39.66	-59.90	3.31	12.70	H
	5592	-50.43	-13	-37.43	-58.02	3.41	13.15	H
	6288	-55.15	-13	-42.15	-62.91	3.09	13.00	H
	6984	-54.63	-13	-41.63	-63.40	3.18	14.10	H
	1400	-21.64	-13	-8.64	-28.61	1.58	10.70	V
	2096	-25.74	-13	-12.74	-33.99	2.10	12.50	V
	2792	-34.61	-13	-21.61	-43.50	2.86	13.90	V
	3496	-45.11	-13	-32.11	-52.87	3.09	13.00	V
	4192	-54.38	-13	-41.38	-63.15	3.18	14.10	V
	4888	-47.64	-13	-34.64	-54.88	3.31	12.70	V
	5592	-50.06	-13	-37.06	-57.65	3.41	13.15	V
	6288	-54.12	-13	-41.12	-61.88	3.09	13.00	V
	6984	-54.36	-13	-41.36	-63.13	3.18	14.10	V
Middle	1408	-18.94	-13	-5.94	-25.91	1.58	10.70	H
	2112	-27.18	-13	-14.18	-35.43	2.10	12.50	H
	2808	-24.45	-13	-11.45	-33.34	2.86	13.90	H
	3512	-34.11	-13	-21.11	-41.87	3.09	13.00	H
	4216	-41.84	-13	-28.84	-50.61	3.18	14.10	H
	4920	-32.86	-13	-19.86	-40.10	3.31	12.70	H
	5624	-38.66	-13	-25.66	-46.25	3.41	13.15	H
	6328	-51.35	-13	-38.35	-59.11	3.09	13.00	H
	7024	-46.81	-13	-33.81	-55.58	3.18	14.10	H
	7728	-49.80	-13	-36.80	-57.04	3.31	12.70	V
	8432	-52.56	-13	-39.56	-60.15	3.41	13.15	V
	1408	-17.28	-13	-4.28	-24.25	1.58	10.70	V
	2112	-26.03	-13	-13.03	-34.28	2.10	12.50	V
	2808	-30.23	-13	-17.23	-39.12	2.86	13.90	V
	3512	-44.42	-13	-31.42	-52.18	3.09	13.00	V
	4216	-47.90	-13	-34.90	-56.67	3.18	14.10	V
	4920	-37.11	-13	-24.11	-44.35	3.31	12.70	V
	5624	-41.82	-13	-28.82	-49.41	3.41	13.15	V
Highest	1416	-20.00	-13	-7.00	-26.97	1.58	10.70	H
	2120	-27.09	-13	-14.09	-35.34	2.10	12.50	H
	2824	-27.69	-13	-14.69	-36.58	2.86	13.90	H
	3536	-39.08	-13	-26.08	-46.84	3.09	13.00	H
	4240	-43.22	-13	-30.22	-51.99	3.18	14.10	H
	4944	-37.56	-13	-24.56	-44.80	3.31	12.70	H
	5656	-42.59	-13	-29.59	-50.18	3.41	13.15	H

	6360	-43.14	-13	-30.14	-50.90	3.09	13.00	H
	7064	-43.90	-13	-30.90	-52.67	3.18	14.10	H
	7776	-44.08	-13	-31.08	-51.32	3.31	12.70	V
	8480	-48.60	-13	-35.60	-56.19	3.41	13.15	V
	1416	-19.48	-13	-6.48	-26.45	1.58	10.70	V
	2120	-26.23	-13	-13.23	-34.48	2.10	12.50	V
	2824	-30.71	-13	-17.71	-39.60	2.86	13.90	V
	3536	-43.66	-13	-30.66	-51.42	3.09	13.00	V
	4240	-43.72	-13	-30.72	-52.49	3.18	14.10	V
	4944	-35.40	-13	-22.40	-42.64	3.31	12.70	V
	5656	-44.41	-13	-31.41	-52.00	3.41	13.15	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

For Sample 2

LTE Band 12 / 10MHz / QPSK								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1400	-35.41	-13	-22.41	-42.38	1.58	10.70	H
	2096	-29.07	-13	-16.07	-37.32	2.102	12.50	H
	2800	-35.19	-13	-22.19	-44.08	2.856	13.90	H
	3496	-37.04	-13	-24.04	-44.80	3.093	13.00	H
	4200	-50.60	-13	-37.60	-59.37	3.178	14.10	H
	4896	-48.01	-13	-35.01	-55.25	3.306	12.70	H
	5600	-47.50	-13	-34.50	-55.09	3.406	13.15	H
	1400	-35.90	-13	-22.90	-42.87	1.58	10.70	V
	2096	-29.63	-13	-16.63	-37.88	2.10	12.50	V
	2800	-34.85	-13	-21.85	-43.74	2.86	13.90	V
	3496	-36.63	-13	-23.63	-44.39	3.09	13.00	V
	4200	-49.24	-13	-36.24	-58.01	3.18	14.10	V
	4896	-48.00	-13	-35.00	-55.24	3.31	12.70	V
	5600	-47.17	-13	-34.17	-54.76	3.41	13.15	V
Middle	1408	-61.74	-13	-48.74	-68.71	1.58	10.70	H
	2112	-57.66	-13	-44.66	-65.91	2.102	12.50	H
	2816	-53.74	-13	-40.74	-62.63	2.856	13.90	H
	1408	-62.32	-13	-49.32	-69.29	1.58	10.70	V
	2112	-52.40	-13	-39.40	-60.65	2.10	12.50	V
	2816	-54.91	-13	-41.91	-63.80	2.86	13.90	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.