



FCC RF Test Report

APPLICANT : Motorola Mobility LLC
EQUIPMENT : Mobile Cellular Phone
BRAND NAME : Motorola
MODEL NAME : XT2529-1
FCC ID : IHDT56AV1
STANDARD : 47 CFR Part 27(F), 27(H), 27(M)
CLASSIFICATION : PCS Licensed Transmitter Held to Ear (PCE)
TEST DATE(S) : Feb. 19, 2025 ~ Feb. 25, 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.

This report contains data that were produced under subcontract by Sporton International Inc. (Shenzhen).

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.

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SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	-	Report Only	-
	§27.50(b)(10) §27.50(c)(10)	Effective Radiated Power (Band 12) (Band 13) (Band 17)	ERP < 3 Watt	PASS	-
	§27.50(h)(2)	Equivalent Isotropic Radiated Power (Band 7) (Band 38) (Band 41)	EIRP < 2Watt		-
3.5	N/A	Peak-to-Average Ratio	<13 dB	PASS	-
3.6	§2.1049	Occupied Bandwidth	-	Report Only	-
3.7	§2.1051 §27.53(c)(2)(4) §27.53(g)	Conducted Band Edge Measurement (Band 12) (Band 13) (Band 17)	< 43+10log ₁₀ (P[Watts])	PASS	-
	§27.53(m)(4)	Conducted Band Edge Measurement (Band 7) (Band 38) (Band 41)	§27.53(m)(4)		
3.8	§2.1051 §27.53(c)(2) §27.53(g)	Conducted Spurious Emission (Band 12) (Band 13) (Band 17)	< 43+10log ₁₀ (P[Watts])	PASS	-
	§2.1051 §27.53(m)(4)	Conducted Spurious Emission (Band 7) (Band 38) (Band 41)	< 55+10log ₁₀ (P[Watts])		
3.9	§2.1055 §27.54	Frequency Stability Temperature & Voltage	Within Authorized Band	PASS	-
4.4	§2.1053 §27.53(c)(2) §27.53(f) §27.53(g)	Radiated Spurious Emission (Band 12) (Band 13) (Band 17)	< 43+10log ₁₀ (P[Watts])	PASS	Under limit 18.57 dB at 10684.00 MHz
	§2.1053 §27.53(m)(4)	Radiated Spurious Emission (Band 7) (Band 38) (Band 41)	< 55+10log ₁₀ (P[Watts])		

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

Motorola Mobility LLC
222 W,Merchandise Mart Plaza, Chicago IL 60654 USA

1.2 Manufacturer

Motorola Mobility LLC
222 W,Merchandise Mart Plaza, Chicago IL 60654 USA

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Cellular Phone
Brand Name	Motorola
Model Name	XT2529-1
FCC ID	IHDT56AV1
IMEI Code	Conducted: 351291190028803 Radiation: 351291190028753/351291190028761
HW Version	DVT2
SW Version	V2VO35.57
EUT Stage	Identical Prototype

Remark:

1. The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.
2. There are three types of EUT, the differences could be referred to the XT2529-1_Operational Description of Product Equality Declaration which is exhibit separately. According to the difference, we choose sample 1 to full test and the sample 2/3 is verified for the difference.

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	LTE Band 7 : 2500 MHz ~ 2570 MHz LTE Band 12 : 699 MHz ~ 716 MHz LTE Band 13 : 777 MHz ~ 787 MHz LTE Band 17 : 704 MHz ~ 716 MHz LTE Band 38 : 2570 MHz ~ 2620 MHz LTE Band 41 : 2496 MHz ~ 2690 MHz
Rx Frequency	LTE Band 7 : 2620 MHz ~ 2690 MHz LTE Band 12 : 729 MHz ~ 746 MHz LTE Band 13 : 746 MHz ~ 756 MHz LTE Band 17 : 734 MHz ~ 746 MHz LTE Band 38 : 2570 MHz ~ 2620 MHz LTE Band 41 : 2496 MHz ~ 2690 MHz
Bandwidth	LTE Band 7 : 5MHz/ 10MHz / 15MHz / 20MHz LTE Band 12 : 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 13 : 5MHz / 10MHz LTE Band 17 : 5MHz / 10MHz LTE Band 38 : 5MHz / 10MHz / 15MHz / 20MHz LTE Band 41 : 5MHz / 10MHz / 15MHz / 20MHz
Maximum Output Power to Antenna	<ANT0> LTE Band 12 : 22.30 dBm LTE Band 13 : 22.63 dBm LTE Band 17 : 22.23 dBm <ANT1> LTE Band 7 : 23.06 dBm LTE CA_7C : 22.02 dBm LTE Band 38 : 22.69 dBm LTE Band 41 : 22.74 dBm
Antenna Gain	<ANT0> LTE Band 12 : -6.0 dBi LTE Band 13 : -6.1 dBi LTE Band 17 : -6.0 dBi <ANT1> LTE Band 7 : -4.2 dBi LTE Band 38 : -3.9 dBi LTE Band 41 : -3.9 dBi
Type of Modulation	QPSK / 16QAM / 64QAM

1.5 Modification of EUT

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



1.6 Maximum ERP/EIRP Power and Emission Designator

LTE Band 7		QPSK		16QAM/64QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
5	2502.5 ~ 2567.5	0.0752	4M47G7D	0.0643	4M48W7D
10	2505.0 ~ 2565.0	0.0757	9M01G7D	0.0632	9M01W7D
15	2507.5 ~ 2562.5	0.0760	13M5G7D	0.0655	13M5W7D
20	2510.0 ~ 2560.0	0.0769	17M8G7D	0.0643	17M9W7D
LTE Band 12		QPSK		16QAM/64QAM	
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	0.0258	1M10G7D	0.0236	1M09W7D
3	700.5 ~ 714.5	0.0259	2M70G7D	0.0234	2M73W7D
5	701.5 ~ 713.5	0.0259	4M50G7D	0.0231	4M51W7D
10	704.0 ~ 711.0	0.0260	9M09G7D	0.0230	8M97W7D
LTE Band 13		QPSK		16QAM/64QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
5	779.5 ~ 784.5	0.0273	4M49G7D	0.0239	4M49W7D
10	782.0	0.0274	9M05G7D	0.0240	9M01W7D
LTE Band 17		QPSK		16QAM/64QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
5	706.5 ~ 713.5	0.0251	4M50G7D	0.0224	4M51W7D
10	709.0 ~ 711.0	0.0256	9M09G7D	0.0226	8M97W7D
LTE Band 38		QPSK		16QAM/64QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
5	2572.5 ~ 2617.5	0.0753	4M50G7D	0.0649	4M48W7D
10	2575.0 ~ 2615.0	0.0752	9M09G7D	0.0658	9M05W7D
15	2577.5 ~ 2612.5	0.0748	13M4G7D	0.0640	13M5W7D
20	2580.0 ~ 2610.0	0.0757	17M9G7D	0.0644	17M9W7D



LTE Band 41		QPSK		16QAM/64QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
5	2498.5 ~ 2687.5	0.0755	4M50G7D	0.0625	4M48W7D
10	2501.0 ~ 2685.0	0.0764	9M09G7D	0.0634	9M05W7D
15	2503.5 ~ 2682.5	0.0764	13M4G7D	0.0643	13M5W7D
20	2506.0 ~ 2680.0	0.0766	17M9G7D	0.0634	17M9W7D

LTE Band 7 CA		QPSK		16QAM/64QAM	
BW (MHz)		Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
10MHz+20MHz		0.0586	27M5G7D	0.0524	28M3W7D
15MHz+15MHz		0.0587	28M7G7D	0.0526	28M6W7D
15MHz+20MHz		0.0583	32M3G7D	0.0515	32M9W7D
15MHz+10MHz		0.0585	23M4G7D	0.0519	23M4W7D
20MHz+10MHz		0.0590	28M1G7D	0.0520	28M1W7D
20MHz+15MHz		0.0596	32M9G7D	0.0527	32M9W7D
20MHz+20MHz		0.0605	37M5G7D	0.0543	37M0W7D

Note:

1. LTE Band 12 overlaps the entire frequency range of LTE Band 17. Therefore, the test results provided in this report covers Band 12 as well as Band 17.
2. LTE Band 41 overlaps the entire frequency range of LTE Band 38. Therefore, the test results provided in this report covers Band 41 as well as Band 38.
3. 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.
	TH01-KS	CN1257	314309

Sporton International Inc. (ShenZhen) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.01.

Test Firm	Sporton International Inc. (ShenZhen)		
Test Site Location	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City, Guangdong Province 518103 People's Republic of China TEL: +86-755-86066985		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	03CH02-SZ	CN1256	421272

Test data subcontracted: Radiated Spurious Emission test case in section 4 of this report

1.8 Test Software

Item	Site	Manufacture	Name	Version
1.	TH01-KS	SPORTON	FCC LTE_Ver2.0 Auto_china_210503	2.0
2.	03CH02-SZ	AUDIX	E3	6.2009-8-24a

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 27(F), 27(H), 27(M)



- 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.

1.10 Specification of Accessory

Accessories Information				
AC Adapter 1(US)	Brand Name	Motorola(Salcomp)	Model Name	MC-331L
AC Adapter 1(EU)	Brand Name	Motorola(Salcomp)	Model Name	MC-332L
AC Adapter 1(UK)	Brand Name	Motorola(Salcomp)	Model Name	MC-333L
AC Adapter 1(AU)	Brand Name	Motorola(Salcomp)	Model Name	MC-335L
AC Adapter 1(AR)	Brand Name	Motorola(Salcomp)	Model Name	MC-336L
AC Adapter 1(BR)	Brand Name	Motorola(Salcomp)	Model Name	MC-337L
AC Adapter 1(CHILE)	Brand Name	Motorola(Salcomp)	Model Name	MC-339L
AC Adapter 1(KR)	Brand Name	Motorola(Salcomp)	Model Name	MC-330L
AC Adapter 2(US)	Brand Name	Motorola(Chenyang)	Model Name	MC-331L
AC Adapter 2(EU)	Brand Name	Motorola(Chenyang)	Model Name	MC-332L
AC Adapter 2(UK)	Brand Name	Motorola(Chenyang)	Model Name	MC-333L
AC Adapter 2(AR)	Brand Name	Motorola(Chenyang)	Model Name	MC-336L
AC Adapter 2(BR)	Brand Name	Motorola(Chenyang)	Model Name	MC-337L
AC Adapter 3(IN)	Brand Name	Motorola(AOHAI)	Model Name	MC-334L
AC Adapter 3(IN)	Brand Name	Motorola(XIHI)	Model Name	MC-334L
AC Adapter 4(IN)	Brand Name	Motorola(Salcomp)	Model Name	MC-334L
AC Adapter 4(IN)	Brand Name	Motorola(Salcomp)	Model Name	MC-334L
AC Adapter 5(US)	Brand Name	Motorola(Salcomp)	Model Name	MC-331
Battery 1	Brand Name	Motorola(Sunwoda)	Model Name	RB52
Battery 2	Brand Name	Motorola(NVT)	Model Name	RB52
Battery 3	Brand Name	Motorola(SCUD)	Model Name	RB52
USB Cable 1	Brand Name	Motorola(Yihuaxing)	Model Name	T365-020 T365-020-01 T365-020-02
USB Cable 2	Brand Name	Motorola(WASHIN)	Model Name	HX-TL-01 HX-TL-07 HX-TL-08
USB Cable 3	Brand Name	Motorola(Juwei)	Model Name	JWUB1614-T03H JWUB1705-T03H JWUB1856-T03H



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. (X Plane)

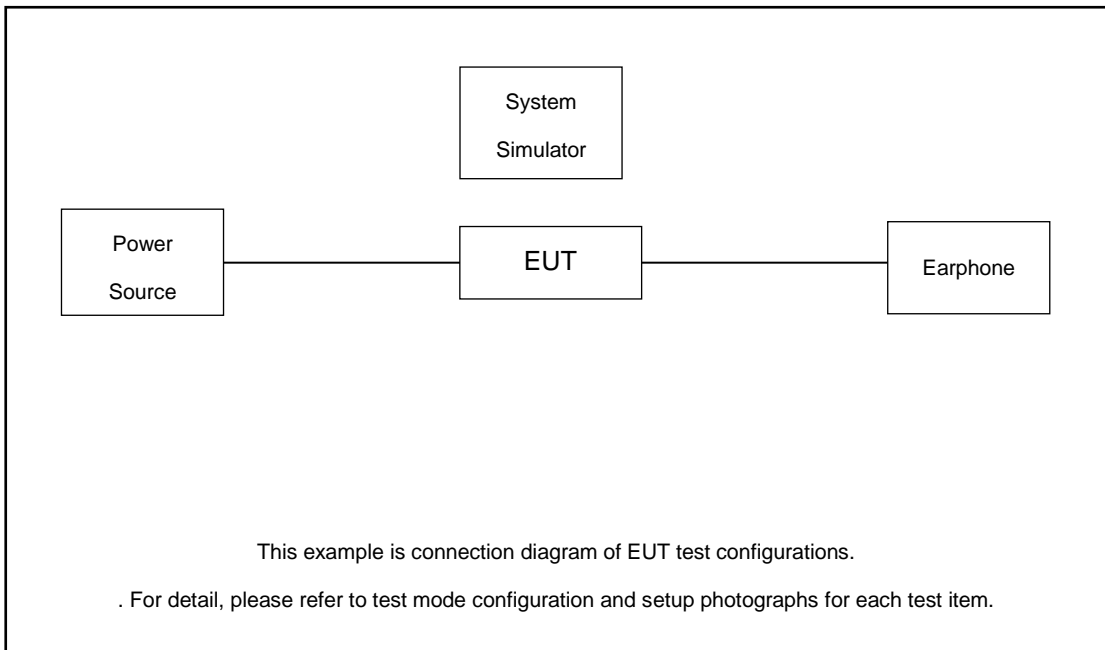
Test Items	Band	Bandwidth (MHz)						Modulation			RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
Max. Output Power	7	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
	12	v	v	v	v	-	-	v	v	v	v	v	v	v	v	v
	13	-	-	v	v	-	-	v	v	v	v	v	v	v	v	v
	17	-	-	v	v	-	-	v	v	v	v	v	v	v	v	v
	38	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
	41	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
Peak-to-Average Ratio	7	-	-				v	v	v	v			v		v	
	12				v	-	-	v	v	v			v		v	
	13	-	-		v	-	-	v	v	v			v		v	
	41	-	-				v	v	v	v			v		v	
26dB and 99% Bandwidth	7	-	-	v	v	v	v	v	v				v		v	
	12	v	v	v	v	-	-	v	v				v		v	
	13	-	-	v	v	-	-	v	v				v		v	
	41	-	-	v	v	v	v	v	v				v		v	
Conducted Band Edge	7	-	-	v	v	v	v	v	v	v	v		v	v		v
	12	v	v	v	v	-	-	v	v	v	v		v	v		v
	13	-	-	v	v	-	-	v	v	v	v		v	v		v
	41	-	-	v	v	v	v	v	v	v	v		v	v		v
Conducted Spurious Emission	7	-	-	v	v	v	v	v				v		v	v	v
	12	v	v	v	v	-	-	v				v		v	v	v
	13	-	-	v	v	-	-	v				v		v	v	v
	41	-	-	v	v	v	v	v				v		v	v	v
Frequency Stability	7	-	-	v				v					v		v	
	12	v				-	-	v					v		v	
	13	-	-	v		-	-	v					v		v	
	41	-	-	v				v					v		v	



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
E.R.P / E.I.R.P	7	-	-	v	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	v
	13	-	-	v	v	-	-	v	v	v	v	v	v	v	v	v
	17	-	-	v	v	-	-	v	v	v	v	v	v	v	v	v
	38	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
	41	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
Radiated Spurious Emission	7	Worst Case											v	v	v	
	12	Worst Case											v	v	v	
	13	Worst Case											v	v	v	
	41	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.															

Test Items	Band	Bandwidth (MHz)									Modulation			RB #			Test Channel				
		20+20	20+15	15+20	20+10	10+20	20+5	5+20	15+15	15+10	10+15	QPSK	16QAM	64QAM	1	Half	Full	L	M	H	
Max. Output Power	7C_CA	v	v	v	v	v	-	-	v	v	-	v	v	v	v		v	v	v	v	
26dB and 99% Bandwidth	7C_CA	v	v	v	v	v	-	-	v	v	-	v	v				v		v		
Conducted Band Edge	7C_CA	v	v	v	v	v	-	-	v	v	-	v	v	v	v		v	v		v	
Conducted Spurious Emission	7C_CA	v	v	v	v	v	-	-	v	v	-	v				v			v	v	v
E.I.R.P.	7C_CA	v	v	v	v	v	-	-	v	v	-	v	v	v	v		v	v	v	v	
Radiated Spurious Emission	7C_CA	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.																				

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
3.	Earphone	N/A	N/A	N/A	N/A	N/A

2.4 Measurement Results Explanation Example

For all conducted test items:

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

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

$$\text{Offset} = \text{RF cable loss} + \text{attenuator factor}.$$

Following shows an offset computation example with cable loss 5.0 dB and 10dB attenuator.

Example :

$$\begin{aligned} \text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)}. \\ &= 5.0 + 10 = 15.0 \text{ (dB)} \end{aligned}$$



2.5 Frequency List of Low/Middle/High Channels

LTE Band 7 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	20850	21100	21350
	Frequency	2510	2535	2560
15	Channel	20825	21100	21375
	Frequency	2507.5	2535	2562.5
10	Channel	20800	21100	21400
	Frequency	2505	2535	2565
5	Channel	20775	21100	21425
	Frequency	2502.5	2535	2567.5

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 17 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	23780	23790	23800
	Frequency	709	710	711
5	Channel	23755	23790	23825
	Frequency	706.5	710	713.5

LTE Band 38 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	37850	38000	38150
	Frequency	2580	2595	2610
15	Channel	37825	38000	38175
	Frequency	2577.5	2595	2612.5
10	Channel	37800	38000	38200
	Frequency	2575	2595	2615
5	Channel	37775	38000	38225
	Frequency	2572.5	2595	2617.5

LTE Band 41 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	39750	40620	41490
	Frequency	2506	2593	2680
15	Channel	39725	40620	41515
	Frequency	2503.5	2593	2682.5
10	Channel	39700	40620	41540
	Frequency	2501	2593	2685
5	Channel	39675	40620	41565
	Frequency	2498.5	2593	2687.5



LTE Band 7C_CA Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
20 + 20	PCC	Channel	20850	21001	21152
		Frequency	2510.0	2525.1	2540.2
	SCC	Channel	21048	21199	21350
		Frequency	2529.8	2544.9	2560.0
20 + 15	PCC	Channel	20850	21026	21201
		Frequency	2510.0	2527.6	2545.1
	SCC	Channel	21021	21197	21372
		Frequency	2527.1	2544.7	2562.2
15 + 20	PCC	Channel	20828	21003	21179
		Frequency	2507.8	2525.3	2542.9
	SCC	Channel	20999	21174	21350
		Frequency	2524.9	2542.4	2560.0
20 + 10	PCC	Channel	20850	21051	21251
		Frequency	2510.0	2530.1	2550.1
	SCC	Channel	20994	21195	21395
		Frequency	2524.4	2544.5	2564.5
10 + 20	PCC	Channel	20805	21006	21206
		Frequency	2505.5	2525.6	2545.6
	SCC	Channel	20949	21150	21350
		Frequency	2519.9	2540.0	2560.0
15 + 15	PCC	Channel	20825	21025	21225
		Frequency	2507.5	2527.5	2547.5
	SCC	Channel	20975	21175	21375
		Frequency	2522.5	2542.5	2562.5
15 + 10	PCC	Channel	20825	21051	21277
		Frequency	2507.5	2530.1	2552.7
	SCC	Channel	20945	21171	21397
		Frequency	2519.5	2542.1	2564.7

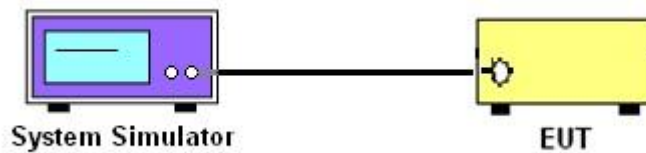
3 Conducted Test Items

3.1 Measuring Instruments

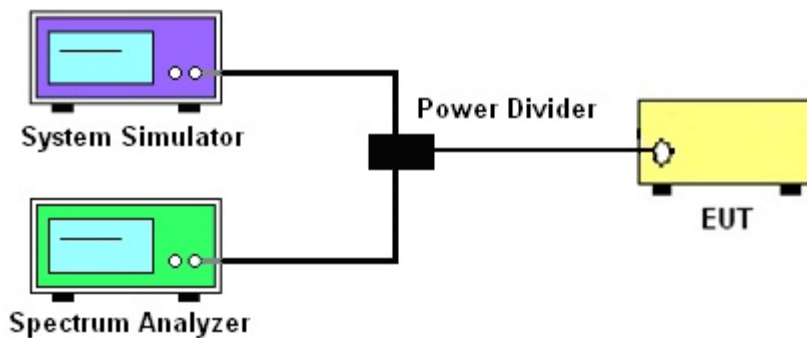
See list of measuring instruments of this test report.

3.2 Test Setup

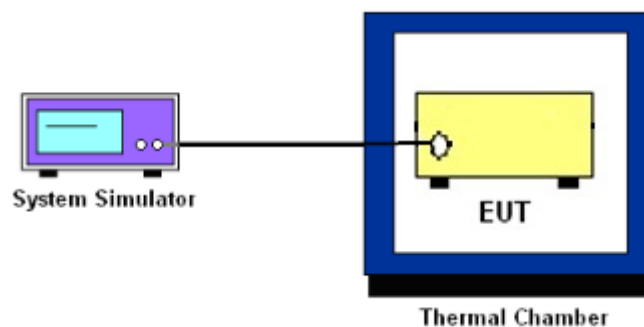
3.2.1 Conducted Output Power



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, Band 13 and Band 17.

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

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

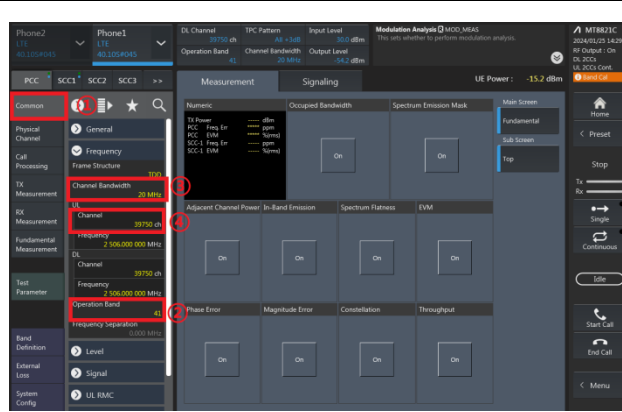
3.4.2 Test Procedures

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.

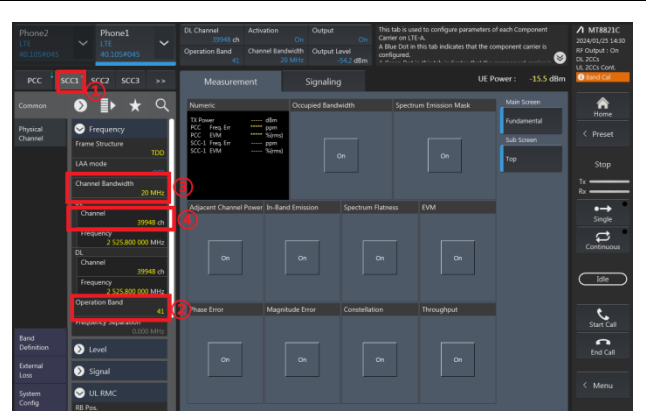
3.4.3 Test Procedures for LTE ULCA

1. The testing follows ANSI C63.26 Section 5.2
2. The transmitter PCC & SCC output ports were connected to the system simulator.
3. Set EUT at maximum power, set the PCC/SCC CA band, channel, bandwidth and RB config.

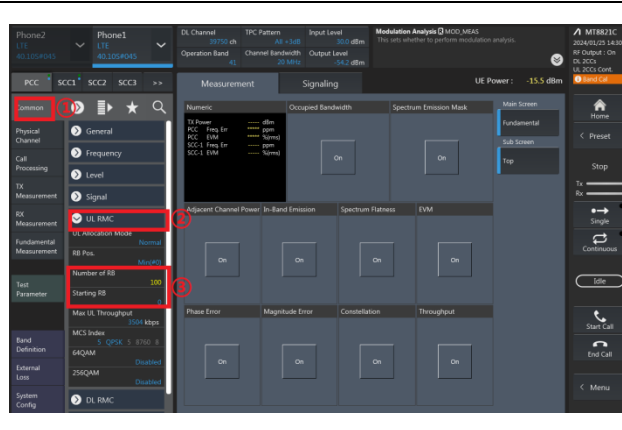
PCC config_(Channel Bandwidth / Channel / Band)



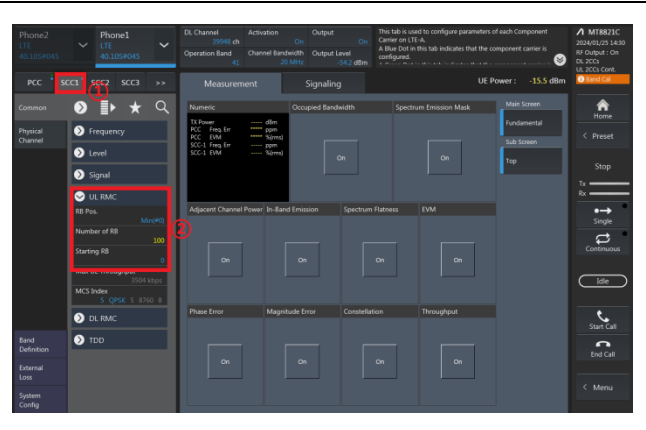
SCC config_(Channel Bandwidth / Channel / Band)



PCC config_(Number of RB / Starting RB)

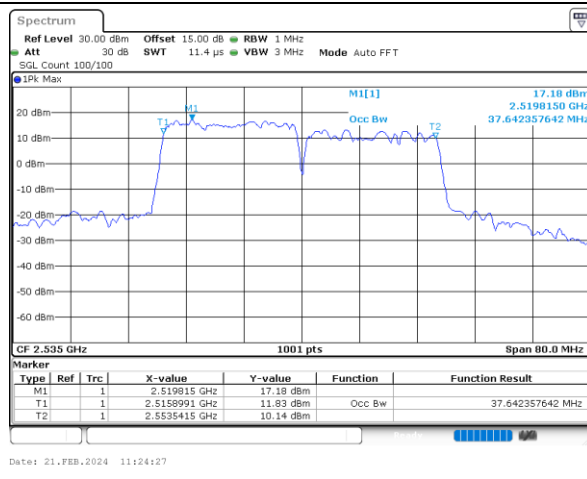


SCC config_(Number of RB / Starting RB)

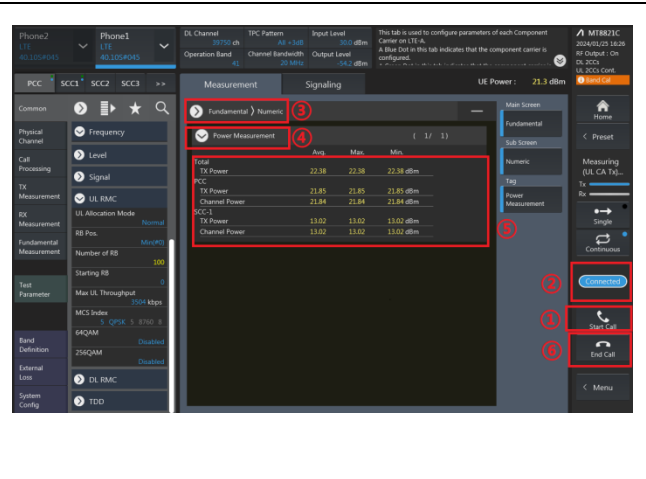


4. Select lowest, middle, and highest channels for each ULCA band and different modulation.
5. Check the ULCA spectrum and record the total power from the system simulator.

Check the ULCA spectrum (eg. 20M+20M)



Read the Total UL CA output power (PCC+SCC)





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 (c)

For operations in the 776-788 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 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed. In addition, the power of any unwanted emissions in any 6.25 kHz bandwidth for all frequencies between 763-775 MHz and 793-806 MHz shall be attenuated below the transmitter power, P (dBW), by at least $65 + 10 \log_{10} p(\text{watts})$, dB, for mobile and portable equipment.

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.

27.53(m)(4)

For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.



3.7.2 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 band edges of low and high channels for the highest RF powers were measured.
4. Set RBW \geq 1% EBW in the 1MHz band immediately outside and adjacent to the band edge.
5. 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.
6. Set spectrum analyzer with RMS detector.
7. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
8. Checked that all the results comply with the emission limit line.

Example:

The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)

$$= P(W) - [43 + 10\log(P)] \text{ (dB)}$$

$$= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)} = -13\text{dBm}.$$

9. For LTE Band 7, 38, 41, the other 40 dB, and 55 dB have additionally applied same calculation above.
10. When using the integration method, the starting frequency of the integration shall be centered at one-half of the RBW away from the band edge.



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.

For Band 7,38,41:

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 $55 + 10 \log (P)$ 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)
 $= -13$ dBm.
11. For Band 7, 38, 41
The limit line is derived from $55 + 10\log(P)$ dB below the transmitter power P(Watts)
 $= P(W) - [55 + 10\log(P)]$ (dB)
 $= [30 + 10\log(P)]$ (dBm) - $[55 + 10\log(P)]$ (dB)
 $= -25$ 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.

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.

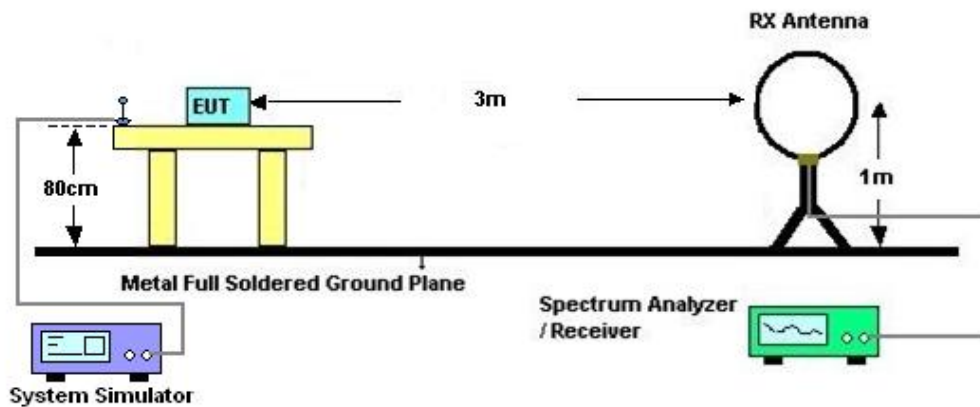
4 Radiated Test Items

4.1 Measuring Instruments

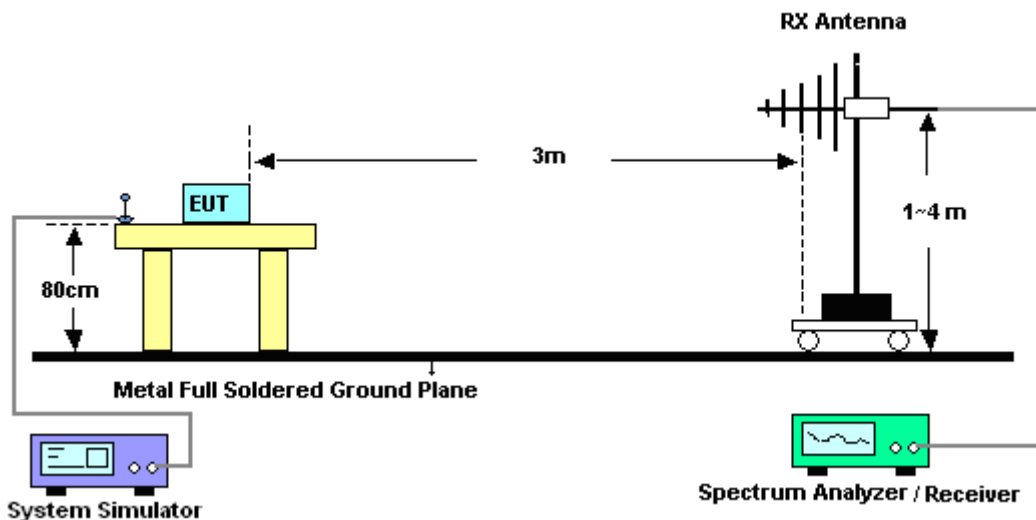
See list of measuring instruments of this test report.

4.2 Test Setup

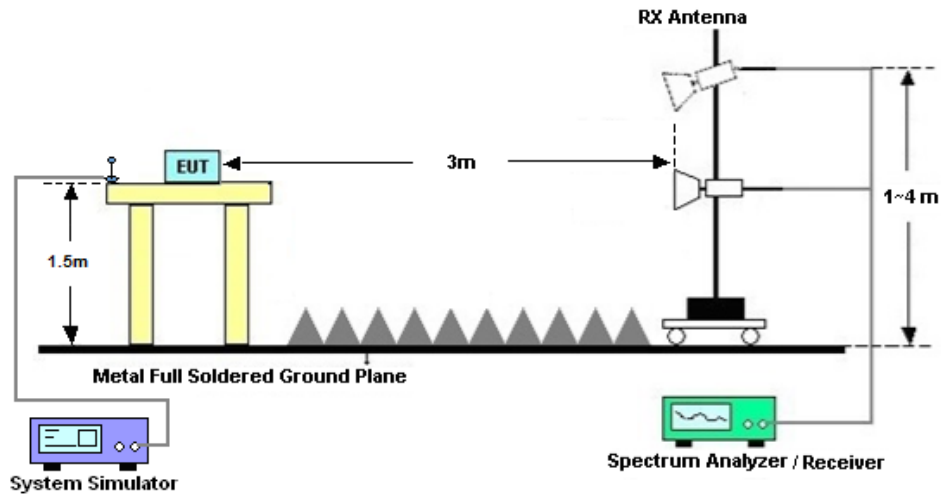
4.2.1 For radiated test below 30MHz



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.

For Band 7, 38, 41

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $55 + 10 \log (P)$ dB.

For LTE Band 13

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

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. $EIRP (dBm) = S.G. Power - Tx Cable Loss + Tx Antenna Gain$
11. $ERP (dBm) = EIRP - 2.15$
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)
 $= P(W) - [43 + 10\log(P)] (dB)$
 $= [30 + 10\log(P)] (dBm) - [43 + 10\log(P)] (dB)$
 $= -13dBm.$
13. For Band 7, 38, 41:
The limit line is derived from $55 + 10\log(P)$ dB below the transmitter power P(Watts)



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	Feb. 19, 2025~ Feb. 25, 2025	Oct. 09, 2025	Conducted (TH01-KS)
Power divider	STI	STI08-0055	-	0.5~40GHz	NCR	Feb. 19, 2025~ Feb. 25, 2025	NCR	Conducted (TH01-KS)
Temperature & humidity chamber	Hongzhan	LP-150U	H2014011440	-40~+150°C 20%~95%RH	Jul. 04, 2024	Feb. 19, 2025~ Feb. 25, 2025	Jul. 03, 2025	Conducted (TH01-KS)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 03, 2024	Feb. 20, 2025~ Feb. 23, 2025	Jul. 02, 2025	Radiation (03CH02-SZ)
Loop Antenna	R&S	HFH2-Z2E	101141	9kHz~30MHz	Dec. 28, 2024	Feb. 20, 2025~ Feb. 23, 2025	Dec. 27, 2025	Radiation (03CH02-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz-2GHz	Oct. 24, 2023	Feb. 20, 2025~ Feb. 23, 2025	Oct. 23, 2025	Radiation (03CH02-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Jul. 04, 2024	Feb. 20, 2025~ Feb. 23, 2025	Jul. 04, 2025	Radiation (03CH02-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 03, 2024	Feb. 20, 2025~ Feb. 23, 2025	Jul. 03, 2025	Radiation (03CH02-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 09, 2024	Feb. 20, 2025~ Feb. 23, 2025	Apr. 08, 2025	Radiation (03CH02-SZ)
LF Amplifier	Burgeon	BPA-530	102211	0.01~3000Mhz	Oct. 18, 2024	Feb. 20, 2025~ Feb. 23, 2025	Oct. 17, 2025	Radiation (03CH02-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270105	0.5GHz~26.5Ghz	Oct. 14, 2024	Feb. 20, 2025~ Feb. 23, 2025	Oct. 13, 2025	Radiation (03CH02-SZ)
AC Power Source	Chroma	61601	616010003043	N/A	Oct. 18, 2024	Feb. 20, 2025~ Feb. 23, 2025	Oct. 17, 2025	Radiation (03CH02-SZ)
Turn Table	Chaintek	T-200	N/A	0~360 degree	NCR	Feb. 20, 2025~ Feb. 23, 2025	NCR	Radiation (03CH02-SZ)
Antenna Mast	Chaintek	MBS-400	N/A	1 m~4 m	NCR	Feb. 20, 2025~ Feb. 23, 2025	NCR	Radiation (03CH02-SZ)

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

Test Item	Uncertainty
Conducted Spurious Emission & Bandedge	±2.22 dB
Occupied Channel Bandwidth	±0.1%
Conducted Power	±0.50 dB
Peak to Average Ratio	±0.90 dB
Frequency Stability	±0.04ppm

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.47 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))	3.31 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))	3.72 dB
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----- THE END -----



Appendix A. Test Results of Conducted Test

Test Engineer :	Nina Cheng	Temperature :	24~26°C
		Relative Humidity :	50~53%

Conducted Output Power(Average power) and ERP/EIRP

LTE Band 7_ANT1:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
							L	M	H
Channel				20850	20850	21350			
Frequency (MHz)				2510	2535	2560	L	M	H
20	QPSK	1	0	22.81	22.92	22.80	0.0726	0.0745	0.0724
20	QPSK	1	49	22.98	23.06	23.02	0.0755	0.0769	0.0762
20	QPSK	1	99	22.88	22.91	23.00	0.0738	0.0743	0.0759
20	QPSK	50	0	21.97	22.01	21.98	0.0598	0.0604	0.0600
20	QPSK	50	24	21.87	21.88	21.91	0.0585	0.0586	0.0590
20	QPSK	50	50	21.78	21.95	21.95	0.0573	0.0596	0.0596
20	QPSK	100	0	21.78	21.98	21.87	0.0573	0.0600	0.0585
20	16QAM	1	0	22.27	22.27	21.67	0.0641	0.0641	0.0558
20	16QAM	1	49	21.98	22.21	22.09	0.0600	0.0632	0.0615
20	16QAM	1	99	22.28	22.11	22.24	0.0643	0.0618	0.0637
20	16QAM	50	0	20.80	20.93	20.89	0.0457	0.0471	0.0467
20	16QAM	50	24	20.82	20.84	20.93	0.0459	0.0461	0.0471
20	16QAM	50	50	20.77	20.98	20.94	0.0454	0.0476	0.0472
20	16QAM	100	0	20.83	20.99	20.82	0.0460	0.0478	0.0459
20	64QAM	1	0	20.87	20.69	20.79	0.0465	0.0446	0.0456
20	64QAM	1	49	21.14	21.21	20.99	0.0494	0.0502	0.0478
20	64QAM	1	99	21.08	20.99	20.92	0.0488	0.0478	0.0470
20	64QAM	50	0	19.74	19.89	19.80	0.0358	0.0371	0.0363
20	64QAM	50	24	19.80	19.80	19.86	0.0363	0.0363	0.0368
20	64QAM	50	50	19.74	19.82	19.84	0.0358	0.0365	0.0366
20	64QAM	100	0	19.70	19.84	19.78	0.0355	0.0366	0.0361
Channel				20825	21100	21375	EIRP(W)		
Frequency (MHz)				2507.5	2535	2562.5	L	M	H
15	QPSK	1	0	22.74	23.01	22.74	0.0714	0.0760	0.0714
15	QPSK	1	37	22.97	22.98	22.89	0.0753	0.0755	0.0740
15	QPSK	1	74	22.98	22.86	22.99	0.0755	0.0735	0.0757
15	QPSK	36	0	21.99	22.11	21.96	0.0601	0.0618	0.0597
15	QPSK	36	20	21.88	21.97	21.88	0.0586	0.0598	0.0586
15	QPSK	36	39	21.76	21.90	21.91	0.0570	0.0589	0.0590
15	QPSK	75	0	21.87	22.05	21.90	0.0585	0.0610	0.0589



15	16QAM	1	0	22.35	22.36	21.69	0.0653	0.0655	0.0561
15	16QAM	1	37	22.01	22.20	22.02	0.0604	0.0631	0.0605
15	16QAM	1	74	22.21	22.11	22.28	0.0632	0.0618	0.0643
15	16QAM	36	0	20.70	21.02	20.84	0.0447	0.0481	0.0461
15	16QAM	36	20	20.84	20.79	20.83	0.0461	0.0456	0.0460
15	16QAM	36	39	20.75	21.01	20.94	0.0452	0.0480	0.0472
15	16QAM	75	0	20.76	20.92	20.78	0.0453	0.0470	0.0455
15	64QAM	1	0	20.82	20.79	20.84	0.0459	0.0456	0.0461
15	64QAM	1	37	21.09	21.27	20.89	0.0489	0.0509	0.0467
15	64QAM	1	74	21.09	20.89	20.93	0.0489	0.0467	0.0471
15	64QAM	36	0	19.80	19.87	19.76	0.0363	0.0369	0.0360
15	64QAM	36	20	19.88	19.82	19.83	0.0370	0.0365	0.0366
15	64QAM	36	39	19.78	19.86	19.93	0.0361	0.0368	0.0374
15	64QAM	75	0	19.62	19.81	19.71	0.0348	0.0364	0.0356
Channel				20800	21100	21400	EIRP(W)		
Frequency (MHz)				2505	2535	2565	L	M	H
10	QPSK	1	0	22.71	22.97	22.78	0.0710	0.0753	0.0721
10	QPSK	1	25	22.79	22.94	22.84	0.0723	0.0748	0.0731
10	QPSK	1	49	22.80	22.90	22.99	0.0724	0.0741	0.0757
10	QPSK	25	0	21.93	22.06	22.02	0.0593	0.0611	0.0605
10	QPSK	25	12	21.80	21.88	21.82	0.0575	0.0586	0.0578
10	QPSK	25	25	21.75	21.98	21.88	0.0569	0.0600	0.0586
10	QPSK	50	0	21.68	21.92	21.95	0.0560	0.0592	0.0596
10	16QAM	1	0	22.17	22.20	21.77	0.0627	0.0631	0.0571
10	16QAM	1	25	22.03	22.21	22.04	0.0607	0.0632	0.0608
10	16QAM	1	49	22.20	22.19	22.20	0.0631	0.0630	0.0631
10	16QAM	25	0	20.86	20.88	20.98	0.0463	0.0466	0.0476
10	16QAM	25	12	20.74	20.87	20.99	0.0451	0.0465	0.0478
10	16QAM	25	25	20.83	20.97	20.98	0.0460	0.0475	0.0476
10	16QAM	50	0	20.74	21.06	20.77	0.0451	0.0485	0.0454
10	64QAM	1	0	20.79	20.79	20.88	0.0456	0.0456	0.0466
10	64QAM	1	25	21.05	21.21	20.91	0.0484	0.0502	0.0469
10	64QAM	1	49	21.08	21.08	20.91	0.0488	0.0488	0.0469
10	64QAM	25	0	19.64	19.82	19.72	0.0350	0.0365	0.0356
10	64QAM	25	12	19.83	19.90	19.90	0.0366	0.0372	0.0372
10	64QAM	25	25	19.83	19.81	19.90	0.0366	0.0364	0.0372
10	64QAM	50	0	19.80	19.94	19.76	0.0363	0.0375	0.0360
Channel				20775	21100	21425	EIRP(W)		
Frequency (MHz)				2502.5	2535	2567.5	L	M	H
5	QPSK	1	0	22.89	22.92	22.75	0.0740	0.0745	0.0716
5	QPSK	1	12	22.85	22.92	22.72	0.0733	0.0745	0.0711
5	QPSK	1	24	22.92	22.85	22.96	0.0745	0.0733	0.0752
5	QPSK	12	0	21.99	21.96	21.94	0.0601	0.0597	0.0594
5	QPSK	12	7	21.88	21.80	21.89	0.0586	0.0575	0.0587
5	QPSK	12	13	21.74	21.88	21.99	0.0568	0.0586	0.0601
5	QPSK	25	0	21.77	21.98	21.86	0.0571	0.0600	0.0583
5	16QAM	1	0	22.18	22.22	21.59	0.0628	0.0634	0.0548



5	16QAM	1	12	21.89	22.14	22.14	0.0587	0.0622	0.0622
5	16QAM	1	24	22.28	22.16	22.27	0.0643	0.0625	0.0641
5	16QAM	12	0	20.88	20.91	20.98	0.0466	0.0469	0.0476
5	16QAM	12	7	20.77	20.81	20.98	0.0454	0.0458	0.0476
5	16QAM	12	13	20.74	20.90	21.02	0.0451	0.0468	0.0481
5	16QAM	25	0	20.89	20.91	20.83	0.0467	0.0469	0.0460
5	64QAM	1	0	20.78	20.68	20.69	0.0455	0.0445	0.0446
5	64QAM	1	12	21.23	21.29	20.96	0.0505	0.0512	0.0474
5	64QAM	1	24	20.98	21.04	20.94	0.0476	0.0483	0.0472
5	64QAM	12	0	19.78	19.93	19.78	0.0361	0.0374	0.0361
5	64QAM	12	7	19.81	19.90	19.76	0.0364	0.0372	0.0360
5	64QAM	12	13	19.64	19.81	19.89	0.0350	0.0364	0.0371
5	64QAM	25	0	19.78	19.88	19.75	0.0361	0.0370	0.0359

LTE Band 12_ANT0:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP(W)		
Channel				23060	23095	23130			
Frequency (MHz)				704	707.5	711	L	M	H
10	QPSK	1	0	22.13	22.16	22.21	0.0250	0.0252	0.0255
10	QPSK	1	25	22.23	22.30	22.26	0.0256	0.0260	0.0258
10	QPSK	1	49	22.17	22.24	22.23	0.0252	0.0256	0.0256
10	QPSK	25	0	21.26	21.27	21.26	0.0205	0.0205	0.0205
10	QPSK	25	12	21.25	21.19	21.21	0.0204	0.0201	0.0202
10	QPSK	25	25	21.24	21.22	21.15	0.0204	0.0203	0.0200
10	QPSK	50	0	21.22	21.24	21.16	0.0203	0.0204	0.0200
10	16QAM	1	0	21.40	21.01	21.14	0.0211	0.0193	0.0199
10	16QAM	1	25	21.52	21.43	21.56	0.0217	0.0213	0.0219
10	16QAM	1	49	21.41	21.58	21.77	0.0212	0.0220	0.0230
10	16QAM	25	0	20.19	20.19	20.17	0.0160	0.0160	0.0159
10	16QAM	25	12	20.28	20.25	20.28	0.0163	0.0162	0.0163
10	16QAM	25	25	20.38	20.21	20.14	0.0167	0.0161	0.0158
10	16QAM	50	0	20.20	20.19	20.14	0.0160	0.0160	0.0158
10	64QAM	1	0	20.22	20.39	20.49	0.0161	0.0167	0.0171
10	64QAM	1	25	20.33	20.19	20.26	0.0165	0.0160	0.0163
10	64QAM	1	49	20.47	20.43	20.40	0.0171	0.0169	0.0168
10	64QAM	25	0	19.16	19.13	19.18	0.0126	0.0125	0.0127
10	64QAM	25	12	19.13	19.16	19.29	0.0125	0.0126	0.0130
10	64QAM	25	25	19.28	19.21	19.26	0.0130	0.0128	0.0129
10	64QAM	50	0	19.11	19.16	19.14	0.0125	0.0126	0.0126
Channel				23035	23095	23155	ERP(W)		
Frequency (MHz)				701.5	707.5	713.5	L	M	H
5	QPSK	1	0	22.17	22.17	22.25	0.0252	0.0252	0.0257
5	QPSK	1	12	22.22	22.10	22.19	0.0255	0.0248	0.0254
5	QPSK	1	24	22.12	22.19	22.28	0.0249	0.0254	0.0259



5	QPSK	12	0	21.32	21.36	21.20	0.0207	0.0209	0.0202
5	QPSK	12	7	21.20	21.29	21.11	0.0202	0.0206	0.0198
5	QPSK	12	13	21.19	21.19	21.25	0.0201	0.0201	0.0204
5	QPSK	25	0	21.23	21.18	21.11	0.0203	0.0201	0.0198
5	16QAM	1	0	21.34	21.03	21.21	0.0208	0.0194	0.0202
5	16QAM	1	12	21.46	21.46	21.63	0.0214	0.0214	0.0223
5	16QAM	1	24	21.44	21.57	21.78	0.0213	0.0220	0.0231
5	16QAM	12	0	20.26	20.12	20.18	0.0163	0.0157	0.0160
5	16QAM	12	7	20.18	20.33	20.37	0.0160	0.0165	0.0167
5	16QAM	12	13	20.30	20.25	20.08	0.0164	0.0162	0.0156
5	16QAM	25	0	20.21	20.18	20.08	0.0161	0.0160	0.0156
5	64QAM	1	0	20.15	20.34	20.50	0.0158	0.0166	0.0172
5	64QAM	1	12	20.31	20.29	20.32	0.0164	0.0164	0.0165
5	64QAM	1	24	20.39	20.42	20.44	0.0167	0.0169	0.0169
5	64QAM	12	0	19.07	19.11	19.15	0.0124	0.0125	0.0126
5	64QAM	12	7	19.15	19.18	19.22	0.0126	0.0127	0.0128
5	64QAM	12	13	19.35	19.24	19.34	0.0132	0.0129	0.0132
5	64QAM	25	0	19.06	19.19	19.20	0.0123	0.0127	0.0127
Channel				23025	23095	23165	ERP(W)		
Frequency (MHz)				700.5	707.5	714.5	L	M	H
3	QPSK	1	0	22.13	22.26	22.25	0.0250	0.0258	0.0257
3	QPSK	1	8	22.21	22.24	22.16	0.0255	0.0256	0.0252
3	QPSK	1	14	22.11	22.28	22.18	0.0249	0.0259	0.0253
3	QPSK	8	0	21.25	21.33	21.27	0.0204	0.0208	0.0205
3	QPSK	8	4	21.16	21.24	21.13	0.0200	0.0204	0.0199
3	QPSK	8	7	21.30	21.24	21.25	0.0207	0.0204	0.0204
3	QPSK	15	0	21.24	21.33	21.20	0.0204	0.0208	0.0202
3	16QAM	1	0	21.37	21.09	21.09	0.0210	0.0197	0.0197
3	16QAM	1	8	21.55	21.50	21.50	0.0219	0.0216	0.0216
3	16QAM	1	14	21.44	21.67	21.84	0.0213	0.0225	0.0234
3	16QAM	8	0	20.11	20.18	20.26	0.0157	0.0160	0.0163
3	16QAM	8	4	20.31	20.16	20.19	0.0164	0.0159	0.0160
3	16QAM	8	7	20.34	20.11	20.21	0.0166	0.0157	0.0161
3	16QAM	15	0	20.21	20.27	20.07	0.0161	0.0163	0.0156
3	64QAM	1	0	20.24	20.42	20.48	0.0162	0.0169	0.0171
3	64QAM	1	8	20.35	20.20	20.36	0.0166	0.0160	0.0166
3	64QAM	1	14	20.38	20.39	20.30	0.0167	0.0167	0.0164
3	64QAM	8	0	19.14	19.10	19.27	0.0126	0.0124	0.0129
3	64QAM	8	4	19.22	19.23	19.29	0.0128	0.0128	0.0130
3	64QAM	8	7	19.22	19.18	19.31	0.0128	0.0127	0.0131
3	64QAM	15	0	19.09	19.11	19.06	0.0124	0.0125	0.0123
Channel				23017	23095	23173	ERP(W)		
Frequency (MHz)				699.7	707.5	715.3	L	M	H
1.4	QPSK	1	0	22.26	22.21	22.25	0.0258	0.0255	0.0257
1.4	QPSK	1	3	22.13	22.27	22.08	0.0250	0.0258	0.0247
1.4	QPSK	1	5	22.19	22.10	22.26	0.0254	0.0248	0.0258
1.4	QPSK	3	0	22.17	22.23	22.18	0.0252	0.0256	0.0253



1.4	QPSK	3	1	22.27	22.27	22.20	0.0258	0.0258	0.0254
1.4	QPSK	3	3	22.16	22.20	22.25	0.0252	0.0254	0.0257
1.4	QPSK	6	0	21.25	21.17	21.24	0.0204	0.0200	0.0204
1.4	16QAM	1	0	21.83	21.70	21.44	0.0233	0.0226	0.0213
1.4	16QAM	1	3	21.20	21.09	21.87	0.0202	0.0197	0.0236
1.4	16QAM	1	5	21.87	21.71	21.70	0.0236	0.0227	0.0226
1.4	16QAM	3	0	21.03	21.09	21.30	0.0194	0.0197	0.0207
1.4	16QAM	3	1	21.15	21.18	21.08	0.0200	0.0201	0.0196
1.4	16QAM	3	3	21.29	21.04	21.11	0.0206	0.0195	0.0198
1.4	16QAM	6	0	20.24	20.21	20.17	0.0162	0.0161	0.0159
1.4	64QAM	1	0	20.02	20.53	20.50	0.0154	0.0173	0.0172
1.4	64QAM	1	3	20.65	20.36	20.31	0.0178	0.0166	0.0164
1.4	64QAM	1	5	20.15	20.42	20.19	0.0158	0.0169	0.0160
1.4	64QAM	3	0	20.38	20.32	20.19	0.0167	0.0165	0.0160
1.4	64QAM	3	1	20.18	20.37	20.34	0.0160	0.0167	0.0166
1.4	64QAM	3	3	20.32	20.26	20.30	0.0165	0.0163	0.0164
1.4	64QAM	6	0	19.17	19.12	19.17	0.0126	0.0125	0.0126

LTE Band 13_ANT0:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP(W)		
Channel				23230					
Frequency (MHz)				782			M		
10	QPSK	1	0		22.39			0.0259	
10	QPSK	1	25		22.63			0.0274	
10	QPSK	1	49		22.51			0.0267	
10	QPSK	25	0		21.55			0.0214	
10	QPSK	25	12		21.46			0.0209	
10	QPSK	25	25		21.50			0.0211	
10	QPSK	50	0		21.54			0.0213	
10	16QAM	1	0		21.32			0.0203	
10	16QAM	1	25		22.05			0.0240	
10	16QAM	1	49		21.66			0.0219	
10	16QAM	25	0		20.47			0.0167	
10	16QAM	25	12		20.56			0.0170	
10	16QAM	25	25		20.53			0.0169	
10	16QAM	50	0		20.51			0.0168	
10	64QAM	1	0		20.57			0.0171	
10	64QAM	1	25		20.85			0.0182	
10	64QAM	1	49		20.54			0.0169	
10	64QAM	25	0		19.48			0.0133	
10	64QAM	25	12		19.55			0.0135	
10	64QAM	25	25		19.47			0.0132	
10	64QAM	50	0		19.49			0.0133	
Channel				23205	23230	23255	ERP(W)		



Frequency (MHz)				779.5	782	784.5	L	M	H
5	QPSK	1	0	22.39	22.56	22.61	0.0259	0.0270	0.0273
5	QPSK	1	12	22.49	22.44	22.51	0.0265	0.0262	0.0267
5	QPSK	1	24	22.54	22.60	22.53	0.0269	0.0272	0.0268
5	QPSK	12	0	21.44	21.44	21.49	0.0208	0.0208	0.0211
5	QPSK	12	7	21.45	21.47	21.49	0.0209	0.0210	0.0211
5	QPSK	12	13	21.41	21.43	21.44	0.0207	0.0208	0.0208
5	QPSK	25	0	21.45	21.47	21.49	0.0209	0.0210	0.0211
5	16QAM	1	0	22.03	21.46	21.43	0.0239	0.0209	0.0208
5	16QAM	1	12	21.95	21.87	21.46	0.0234	0.0230	0.0209
5	16QAM	1	24	21.52	21.96	21.79	0.0212	0.0235	0.0226
5	16QAM	12	0	20.39	20.35	20.43	0.0164	0.0162	0.0165
5	16QAM	12	7	20.28	20.45	20.36	0.0160	0.0166	0.0163
5	16QAM	12	13	20.41	20.32	20.42	0.0164	0.0161	0.0165
5	16QAM	25	0	20.38	20.53	20.48	0.0163	0.0169	0.0167
5	64QAM	1	0	20.42	20.42	20.88	0.0165	0.0165	0.0183
5	64QAM	1	12	20.70	20.50	20.76	0.0176	0.0168	0.0178
5	64QAM	1	24	20.76	20.61	20.51	0.0178	0.0172	0.0168
5	64QAM	12	0	19.45	19.45	19.34	0.0132	0.0132	0.0129
5	64QAM	12	7	19.42	19.42	19.49	0.0131	0.0131	0.0133
5	64QAM	12	13	19.34	19.35	19.47	0.0129	0.0129	0.0132
5	64QAM	25	0	19.43	19.47	19.37	0.0131	0.0132	0.0129

LTE Band 17_ANT0:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP(W)		
Channel				23780	23790	23800			
Frequency (MHz)				709	710	711	L	M	H
10	QPSK	1	0	22.09	22.05	22.07	0.0248	0.0245	0.0247
10	QPSK	1	25	22.12	22.23	22.22	0.0249	0.0256	0.0255
10	QPSK	1	49	22.11	22.15	22.01	0.0249	0.0251	0.0243
10	QPSK	25	0	21.07	21.11	21.06	0.0196	0.0198	0.0195
10	QPSK	25	12	21.05	21.00	21.02	0.0195	0.0193	0.0194
10	QPSK	25	25	21.05	21.04	21.05	0.0195	0.0195	0.0195
10	QPSK	50	0	21.04	21.09	21.06	0.0195	0.0197	0.0195
10	16QAM	1	0	21.65	21.21	21.37	0.0224	0.0202	0.0210
10	16QAM	1	25	21.70	21.17	21.42	0.0226	0.0200	0.0212
10	16QAM	1	49	21.09	21.39	21.34	0.0197	0.0211	0.0208
10	16QAM	25	0	20.04	20.01	20.03	0.0155	0.0153	0.0154
10	16QAM	25	12	20.07	20.05	20.08	0.0156	0.0155	0.0156
10	16QAM	25	25	20.03	20.03	20.12	0.0154	0.0154	0.0157
10	16QAM	50	0	20.04	20.02	20.08	0.0155	0.0154	0.0156
10	64QAM	1	0	20.10	20.39	20.16	0.0157	0.0167	0.0159
10	64QAM	1	25	20.13	20.18	20.38	0.0158	0.0160	0.0167
10	64QAM	1	49	20.36	20.45	20.18	0.0166	0.0170	0.0160



10	64QAM	25	0	19.15	19.11	19.12	0.0126	0.0125	0.0125
10	64QAM	25	12	19.18	19.13	19.13	0.0127	0.0125	0.0125
10	64QAM	25	25	19.10	19.09	19.11	0.0124	0.0124	0.0125
10	64QAM	50	0	19.14	19.16	19.17	0.0126	0.0126	0.0126
Channel				23755	23790	23825	ERP(W)		
Frequency (MHz)				706.5	710	713.5	L	M	H
5	QPSK	1	0	22.00	22.05	22.09	0.0243	0.0245	0.0248
5	QPSK	1	12	22.06	22.09	22.15	0.0246	0.0248	0.0251
5	QPSK	1	24	22.12	22.14	22.09	0.0249	0.0251	0.0248
5	QPSK	12	0	21.05	21.05	21.11	0.0195	0.0195	0.0198
5	QPSK	12	7	21.15	21.01	21.01	0.0200	0.0193	0.0193
5	QPSK	12	13	21.13	21.08	21.12	0.0199	0.0196	0.0198
5	QPSK	25	0	21.06	21.00	21.13	0.0195	0.0193	0.0199
5	16QAM	1	0	21.65	21.12	21.38	0.0224	0.0198	0.0210
5	16QAM	1	12	21.61	21.23	21.38	0.0222	0.0203	0.0210
5	16QAM	1	24	21.11	21.30	21.25	0.0198	0.0207	0.0204
5	16QAM	12	0	20.03	20.00	20.07	0.0154	0.0153	0.0156
5	16QAM	12	7	20.12	20.09	20.15	0.0157	0.0156	0.0158
5	16QAM	12	13	20.02	20.11	20.06	0.0154	0.0157	0.0155
5	16QAM	25	0	20.04	20.09	20.06	0.0155	0.0156	0.0155
5	64QAM	1	0	20.06	20.29	20.26	0.0155	0.0164	0.0163
5	64QAM	1	12	20.18	20.24	20.39	0.0160	0.0162	0.0167
5	64QAM	1	24	20.31	20.47	20.28	0.0164	0.0171	0.0163
5	64QAM	12	0	19.25	19.11	19.03	0.0129	0.0125	0.0122
5	64QAM	12	7	19.18	19.16	19.12	0.0127	0.0126	0.0125
5	64QAM	12	13	19.18	19.13	19.18	0.0127	0.0125	0.0127
5	64QAM	25	0	19.10	19.22	19.25	0.0124	0.0128	0.0129

LTE Band 38_ANT1:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610	L	M	H
20	QPSK	1	0	22.42	22.46	22.52	0.0711	0.0718	0.0728
20	QPSK	1	49	22.62	22.69	22.67	0.0745	0.0757	0.0753
20	QPSK	1	99	22.61	22.60	22.58	0.0743	0.0741	0.0738
20	QPSK	50	0	21.80	21.86	21.79	0.0617	0.0625	0.0615
20	QPSK	50	24	21.78	21.76	21.72	0.0614	0.0611	0.0605
20	QPSK	50	50	21.76	21.78	21.78	0.0611	0.0614	0.0614
20	QPSK	100	0	21.78	21.83	21.75	0.0614	0.0621	0.0610
20	16QAM	1	0	21.66	21.74	21.84	0.0597	0.0608	0.0622
20	16QAM	1	49	21.91	21.94	21.99	0.0632	0.0637	0.0644
20	16QAM	1	99	21.90	21.87	21.88	0.0631	0.0627	0.0628
20	16QAM	50	0	20.75	20.74	20.78	0.0484	0.0483	0.0488
20	16QAM	50	24	20.85	20.82	20.83	0.0495	0.0492	0.0493
20	16QAM	50	50	20.80	20.81	20.82	0.0490	0.0491	0.0492



20	16QAM	100	0	20.76	20.71	20.77	0.0485	0.0480	0.0486
20	64QAM	1	0	20.38	20.40	20.44	0.0445	0.0447	0.0451
20	64QAM	1	49	20.58	20.53	20.61	0.0466	0.0460	0.0469
20	64QAM	1	99	20.52	20.53	20.53	0.0459	0.0460	0.0460
20	64QAM	50	0	19.75	19.71	19.78	0.0385	0.0381	0.0387
20	64QAM	50	24	19.81	19.80	19.80	0.0390	0.0389	0.0389
20	64QAM	50	50	19.75	19.77	19.77	0.0385	0.0386	0.0386
20	64QAM	100	0	19.72	19.71	19.79	0.0382	0.0381	0.0388
Channel				37825	38000	38175	EIRP(W)		
Frequency (MHz)				2577.5	2595	2612.5	L	M	H
15	QPSK	1	0	22.48	22.44	22.52	0.0721	0.0714	0.0728
15	QPSK	1	37	22.48	22.56	22.64	0.0721	0.0735	0.0748
15	QPSK	1	74	22.52	22.48	22.64	0.0728	0.0721	0.0748
15	QPSK	36	0	21.85	21.83	21.83	0.0624	0.0621	0.0621
15	QPSK	36	20	21.76	21.70	21.64	0.0611	0.0603	0.0594
15	QPSK	36	39	21.79	21.71	21.79	0.0615	0.0604	0.0615
15	QPSK	75	0	21.71	21.80	21.80	0.0604	0.0617	0.0617
15	16QAM	1	0	21.61	21.65	21.93	0.0590	0.0596	0.0635
15	16QAM	1	37	21.93	21.94	21.89	0.0635	0.0637	0.0630
15	16QAM	1	74	21.85	21.94	21.96	0.0624	0.0637	0.0640
15	16QAM	36	0	20.73	20.72	20.80	0.0482	0.0481	0.0490
15	16QAM	36	20	20.81	20.85	20.93	0.0491	0.0495	0.0505
15	16QAM	36	39	20.87	20.71	20.86	0.0498	0.0480	0.0497
15	16QAM	75	0	20.78	20.81	20.67	0.0488	0.0491	0.0475
15	64QAM	1	0	20.36	20.41	20.43	0.0443	0.0448	0.0450
15	64QAM	1	37	20.63	20.61	20.68	0.0471	0.0469	0.0476
15	64QAM	1	74	20.55	20.51	20.48	0.0462	0.0458	0.0455
15	64QAM	36	0	19.75	19.66	19.69	0.0385	0.0377	0.0379
15	64QAM	36	20	19.87	19.81	19.71	0.0395	0.0390	0.0381
15	64QAM	36	39	19.84	19.67	19.68	0.0393	0.0378	0.0378
15	64QAM	75	0	19.68	19.73	19.83	0.0378	0.0383	0.0392
Channel				37800	38000	38200	EIRP(W)		
Frequency (MHz)				2575	2595	2615	L	M	H
10	QPSK	1	0	22.35	22.56	22.61	0.0700	0.0735	0.0743
10	QPSK	1	25	22.48	22.55	22.63	0.0721	0.0733	0.0746
10	QPSK	1	49	22.44	22.53	22.66	0.0714	0.0729	0.0752
10	QPSK	25	0	21.75	21.93	21.88	0.0610	0.0635	0.0628
10	QPSK	25	12	21.69	21.83	21.79	0.0601	0.0621	0.0615
10	QPSK	25	25	21.70	21.72	21.68	0.0603	0.0605	0.0600
10	QPSK	50	0	21.86	21.75	21.71	0.0625	0.0610	0.0604
10	16QAM	1	0	21.71	21.67	21.84	0.0604	0.0598	0.0622
10	16QAM	1	25	21.89	22.02	22.08	0.0630	0.0649	0.0658
10	16QAM	1	49	21.90	21.89	21.94	0.0631	0.0630	0.0637
10	16QAM	25	0	20.83	20.66	20.74	0.0493	0.0474	0.0483
10	16QAM	25	12	20.90	20.80	20.81	0.0501	0.0490	0.0491
10	16QAM	25	25	20.73	20.91	20.89	0.0482	0.0502	0.0500
10	16QAM	50	0	20.74	20.65	20.78	0.0483	0.0473	0.0488
10	64QAM	1	0	20.30	20.31	20.47	0.0437	0.0438	0.0454



10	64QAM	1	25	20.61	20.61	20.59	0.0469	0.0469	0.0467
10	64QAM	1	49	20.58	20.46	20.50	0.0466	0.0453	0.0457
10	64QAM	25	0	19.74	19.61	19.75	0.0384	0.0372	0.0385
10	64QAM	25	12	19.83	19.80	19.73	0.0392	0.0389	0.0383
10	64QAM	25	25	19.81	19.77	19.73	0.0390	0.0386	0.0383
10	64QAM	50	0	19.64	19.67	19.87	0.0375	0.0378	0.0395
Channel				37775	38000	38225	EIRP(W)		
Frequency (MHz)				2572.5	2595	2617.5	L	M	H
5	QPSK	1	0	22.35	22.41	22.46	0.0700	0.0710	0.0718
5	QPSK	1	12	22.60	22.55	22.64	0.0741	0.0733	0.0748
5	QPSK	1	24	22.55	22.47	22.67	0.0733	0.0719	0.0753
5	QPSK	12	0	21.74	21.76	21.73	0.0608	0.0611	0.0607
5	QPSK	12	7	21.83	21.78	21.63	0.0621	0.0614	0.0593
5	QPSK	12	13	21.83	21.75	21.70	0.0621	0.0610	0.0603
5	QPSK	25	0	21.70	21.74	21.78	0.0603	0.0608	0.0614
5	16QAM	1	0	21.62	21.83	21.75	0.0592	0.0621	0.0610
5	16QAM	1	12	21.99	21.98	22.02	0.0644	0.0643	0.0649
5	16QAM	1	24	21.90	21.93	21.96	0.0631	0.0635	0.0640
5	16QAM	12	0	20.76	20.76	20.87	0.0485	0.0485	0.0498
5	16QAM	12	7	20.91	20.87	20.87	0.0502	0.0498	0.0498
5	16QAM	12	13	20.79	20.76	20.86	0.0489	0.0485	0.0497
5	16QAM	25	0	20.71	20.66	20.72	0.0480	0.0474	0.0481
5	64QAM	1	0	20.43	20.42	20.34	0.0450	0.0449	0.0441
5	64QAM	1	12	20.65	20.51	20.62	0.0473	0.0458	0.0470
5	64QAM	1	24	20.51	20.46	20.49	0.0458	0.0453	0.0456
5	64QAM	12	0	19.68	19.65	19.79	0.0378	0.0376	0.0388
5	64QAM	12	7	19.71	19.77	19.89	0.0381	0.0386	0.0397
5	64QAM	12	13	19.81	19.85	19.79	0.0390	0.0394	0.0388
5	64QAM	25	0	19.68	19.72	19.71	0.0378	0.0382	0.0381

LTE Band 41_ANT1:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				39750	40620	41490			
Frequency (MHz)				2506	2593	2680	L	M	H
20	QPSK	1	0	22.35	22.42	22.48	0.0700	0.0711	0.0721
20	QPSK	1	49	22.45	22.74	22.70	0.0716	0.0766	0.0759
20	QPSK	1	99	22.37	22.57	22.63	0.0703	0.0736	0.0746
20	QPSK	50	0	21.50	21.88	21.86	0.0575	0.0628	0.0625
20	QPSK	50	24	21.39	21.76	21.83	0.0561	0.0611	0.0621
20	QPSK	50	50	21.48	21.78	21.85	0.0573	0.0614	0.0624
20	QPSK	100	0	21.44	21.87	21.85	0.0568	0.0627	0.0624
20	16QAM	1	0	21.42	21.71	21.70	0.0565	0.0604	0.0603
20	16QAM	1	49	21.50	21.92	21.88	0.0575	0.0634	0.0628
20	16QAM	1	99	21.43	21.79	21.80	0.0566	0.0615	0.0617
20	16QAM	50	0	20.61	20.80	20.81	0.0469	0.0490	0.0491



20	16QAM	50	24	20.67	20.81	20.84	0.0475	0.0491	0.0494
20	16QAM	50	50	20.65	20.83	20.86	0.0473	0.0493	0.0497
20	16QAM	100	0	20.62	20.80	20.87	0.0470	0.0490	0.0498
20	64QAM	1	0	20.28	20.38	20.43	0.0435	0.0445	0.0450
20	64QAM	1	49	20.39	20.60	20.58	0.0446	0.0468	0.0466
20	64QAM	1	99	20.29	20.51	20.48	0.0436	0.0458	0.0455
20	64QAM	50	0	19.58	19.74	19.74	0.0370	0.0384	0.0384
20	64QAM	50	24	19.56	19.77	19.78	0.0368	0.0386	0.0387
20	64QAM	50	50	19.62	19.77	19.80	0.0373	0.0386	0.0389
20	64QAM	100	0	19.59	19.77	19.79	0.0371	0.0386	0.0388
Channel				39725	40620	41515	EIRP(W)		
Frequency (MHz)				2503.5	2593	2682.5	L	M	H
15	QPSK	1	0	22.32	22.32	22.38	0.0695	0.0695	0.0705
15	QPSK	1	37	22.35	22.73	22.63	0.0700	0.0764	0.0746
15	QPSK	1	74	22.43	22.55	22.58	0.0713	0.0733	0.0738
15	QPSK	36	0	21.51	21.95	21.79	0.0577	0.0638	0.0615
15	QPSK	36	20	21.47	21.73	21.92	0.0571	0.0607	0.0634
15	QPSK	36	39	21.57	21.78	21.92	0.0585	0.0614	0.0634
15	QPSK	75	0	21.46	21.97	21.77	0.0570	0.0641	0.0612
15	16QAM	1	0	21.42	21.76	21.64	0.0565	0.0611	0.0594
15	16QAM	1	37	21.51	21.98	21.85	0.0577	0.0643	0.0624
15	16QAM	1	74	21.46	21.80	21.74	0.0570	0.0617	0.0608
15	16QAM	36	0	20.53	20.73	20.80	0.0460	0.0482	0.0490
15	16QAM	36	20	20.71	20.89	20.75	0.0480	0.0500	0.0484
15	16QAM	36	39	20.59	20.83	20.94	0.0467	0.0493	0.0506
15	16QAM	75	0	20.72	20.72	20.83	0.0481	0.0481	0.0493
15	64QAM	1	0	20.30	20.44	20.35	0.0437	0.0451	0.0442
15	64QAM	1	37	20.34	20.65	20.52	0.0441	0.0473	0.0459
15	64QAM	1	74	20.38	20.44	20.51	0.0445	0.0451	0.0458
15	64QAM	36	0	19.57	19.74	19.77	0.0369	0.0384	0.0386
15	64QAM	36	20	19.49	19.76	19.83	0.0362	0.0385	0.0392
15	64QAM	36	39	19.60	19.87	19.70	0.0372	0.0395	0.0380
15	64QAM	75	0	19.58	19.67	19.70	0.0370	0.0378	0.0380
Channel				39700	40620	41540	EIRP(W)		
Frequency (MHz)				2501	2593	2685	L	M	H
10	QPSK	1	0	22.44	22.48	22.54	0.0714	0.0721	0.0731
10	QPSK	1	25	22.40	22.73	22.72	0.0708	0.0764	0.0762
10	QPSK	1	49	22.43	22.58	22.55	0.0713	0.0738	0.0733
10	QPSK	25	0	21.53	21.95	21.76	0.0579	0.0638	0.0611
10	QPSK	25	12	21.47	21.67	21.74	0.0571	0.0598	0.0608
10	QPSK	25	25	21.42	21.84	21.85	0.0565	0.0622	0.0624
10	QPSK	50	0	21.53	21.85	21.95	0.0579	0.0624	0.0638
10	16QAM	1	0	21.36	21.64	21.80	0.0557	0.0594	0.0617
10	16QAM	1	25	21.44	21.92	21.80	0.0568	0.0634	0.0617
10	16QAM	1	49	21.51	21.75	21.89	0.0577	0.0610	0.0630
10	16QAM	25	0	20.71	20.70	20.83	0.0480	0.0479	0.0493
10	16QAM	25	12	20.58	20.84	20.93	0.0466	0.0494	0.0505
10	16QAM	25	25	20.62	20.82	20.88	0.0470	0.0492	0.0499



10	16QAM	50	0	20.65	20.77	20.84	0.0473	0.0486	0.0494
10	64QAM	1	0	20.28	20.31	20.46	0.0435	0.0438	0.0453
10	64QAM	1	25	20.47	20.55	20.58	0.0454	0.0462	0.0466
10	64QAM	1	49	20.37	20.54	20.38	0.0444	0.0461	0.0445
10	64QAM	25	0	19.68	19.71	19.80	0.0378	0.0381	0.0389
10	64QAM	25	12	19.57	19.69	19.84	0.0369	0.0379	0.0393
10	64QAM	25	25	19.52	19.71	19.70	0.0365	0.0381	0.0380
10	64QAM	50	0	19.66	19.81	19.81	0.0377	0.0390	0.0390
Channel				39675	40620	41565	EIRP(W)		
Frequency (MHz)				2498.5	2593	2687.5	L	M	H
5	QPSK	1	0	22.25	22.46	22.48	0.0684	0.0718	0.0721
5	QPSK	1	12	22.41	22.64	22.63	0.0710	0.0748	0.0746
5	QPSK	1	24	22.30	22.53	22.68	0.0692	0.0729	0.0755
5	QPSK	12	0	21.58	21.92	21.94	0.0586	0.0634	0.0637
5	QPSK	12	7	21.49	21.84	21.92	0.0574	0.0622	0.0634
5	QPSK	12	13	21.56	21.84	21.94	0.0583	0.0622	0.0637
5	QPSK	25	0	21.45	21.97	21.79	0.0569	0.0641	0.0615
5	16QAM	1	0	21.51	21.75	21.80	0.0577	0.0610	0.0617
5	16QAM	1	12	21.42	21.83	21.86	0.0565	0.0621	0.0625
5	16QAM	1	24	21.53	21.69	21.71	0.0579	0.0601	0.0604
5	16QAM	12	0	20.70	20.90	20.85	0.0479	0.0501	0.0495
5	16QAM	12	7	20.60	20.73	20.94	0.0468	0.0482	0.0506
5	16QAM	12	13	20.68	20.77	20.85	0.0476	0.0486	0.0495
5	16QAM	25	0	20.61	20.72	20.83	0.0469	0.0481	0.0493
5	64QAM	1	0	20.18	20.35	20.36	0.0425	0.0442	0.0443
5	64QAM	1	12	20.36	20.66	20.62	0.0443	0.0474	0.0470
5	64QAM	1	24	20.24	20.61	20.51	0.0431	0.0469	0.0458
5	64QAM	12	0	19.67	19.71	19.75	0.0378	0.0381	0.0385
5	64QAM	12	7	19.61	19.71	19.85	0.0372	0.0381	0.0394
5	64QAM	12	13	19.68	19.87	19.71	0.0378	0.0395	0.0381
5	64QAM	25	0	19.59	19.68	19.71	0.0371	0.0378	0.0381

LTE CA_7C_ANT1:

Combination 20MHz+20MHz (100RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 20850_21048	QPSK	Max	0	Max	0	20.12	0.0391
	QPSK	1	0	1	Max	13.60	0.0087
	QPSK	1	Max	1	0	22.01	0.0604
M 21001_21199	QPSK	Max	0	Max	0	20.20	0.0398
	QPSK	1	0	1	Max	13.62	0.0087
	QPSK	1	Max	1	0	22.02	0.0605
H 21152_21350	QPSK	Max	0	Max	0	20.01	0.0381
	QPSK	1	0	1	Max	13.53	0.0086
	QPSK	1	Max	1	0	21.96	0.0597
L 20850_21048	16QAM	Max	0	Max	0	19.00	0.0302
	16QAM	1	0	1	Max	13.53	0.0086
	16QAM	1	Max	1	0	21.52	0.0540



M 21001_21199	16QAM	Max	0	Max	0	18.99	0.0301
	16QAM	1	0	1	Max	13.51	0.0085
	16QAM	1	Max	1	0	21.55	0.0543
H 21152_21350	16QAM	Max	0	Max	0	18.85	0.0292
	16QAM	1	0	1	Max	13.39	0.0083
	16QAM	1	Max	1	0	21.42	0.0527
L 20850_21048	64QAM	Max	0	Max	0	19.10	0.0309
	64QAM	1	0	1	Max	13.49	0.0085
	64QAM	1	Max	1	0	19.06	0.0306
M 21001_21199	64QAM	Max	0	Max	0	19.15	0.0313
	64QAM	1	0	1	Max	13.59	0.0087
	64QAM	1	Max	1	0	19.04	0.0305
H 21152_21350	64QAM	Max	0	Max	0	18.98	0.0301
	64QAM	1	0	1	Max	13.43	0.0084
	64QAM	1	Max	1	0	18.96	0.0299
Combination 20MHz+15MHz (100RB+75RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 20850_21021	QPSK	Max	0	Max	0	20.02	0.0382
	QPSK	1	0	1	Max	13.59	0.0087
	QPSK	1	Max	1	0	21.95	0.0596
M 21026_21197	QPSK	Max	0	Max	0	20.10	0.0389
	QPSK	1	0	1	Max	13.59	0.0087
	QPSK	1	Max	1	0	21.91	0.0590
H 21201_21372	QPSK	Max	0	Max	0	19.90	0.0372
	QPSK	1	0	1	Max	13.48	0.0085
	QPSK	1	Max	1	0	21.89	0.0587
L 20850_21021	16QAM	Max	0	Max	0	18.94	0.0298
	16QAM	1	0	1	Max	13.40	0.0083
	16QAM	1	Max	1	0	21.42	0.0527
M 21026_21197	16QAM	Max	0	Max	0	18.91	0.0296
	16QAM	1	0	1	Max	13.47	0.0085
	16QAM	1	Max	1	0	21.40	0.0525
H 21201_21372	16QAM	Max	0	Max	0	18.84	0.0291
	16QAM	1	0	1	Max	13.34	0.0082
	16QAM	1	Max	1	0	21.29	0.0512
L 20850_21021	64QAM	Max	0	Max	0	19.01	0.0303
	64QAM	1	0	1	Max	13.37	0.0083
	64QAM	1	Max	1	0	19.03	0.0304
M 21026_21197	64QAM	Max	0	Max	0	19.00	0.0302
	64QAM	1	0	1	Max	13.51	0.0085
	64QAM	1	Max	1	0	19.01	0.0303
H 21201_21372	64QAM	Max	0	Max	0	18.86	0.0292
	64QAM	1	0	1	Max	13.32	0.0082
	64QAM	1	Max	1	0	18.83	0.0290
Combination 15MHz+20MHz (75RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		



L 20828_20999	QPSK	Max	0	Max	0	19.97	0.0378
	QPSK	1	0	1	Max	13.58	0.0087
	QPSK	1	Max	1	0	21.84	0.0581
M 21003_21174	QPSK	Max	0	Max	0	19.96	0.0377
	QPSK	1	0	1	Max	13.53	0.0086
	QPSK	1	Max	1	0	21.86	0.0583
H 21179_21350	QPSK	Max	0	Max	0	19.84	0.0366
	QPSK	1	0	1	Max	13.39	0.0083
	QPSK	1	Max	1	0	21.76	0.0570
L 20828_20999	16QAM	Max	0	Max	0	18.81	0.0289
	16QAM	1	0	1	Max	13.27	0.0081
	16QAM	1	Max	1	0	21.27	0.0509
M 21003_21174	16QAM	Max	0	Max	0	18.90	0.0295
	16QAM	1	0	1	Max	13.44	0.0084
	16QAM	1	Max	1	0	21.32	0.0515
H 21179_21350	16QAM	Max	0	Max	0	18.77	0.0286
	16QAM	1	0	1	Max	13.29	0.0081
	16QAM	1	Max	1	0	21.15	0.0495
L 20828_20999	64QAM	Max	0	Max	0	18.92	0.0296
	64QAM	1	0	1	Max	13.24	0.0080
	64QAM	1	Max	1	0	18.91	0.0296
M 21003_21174	64QAM	Max	0	Max	0	18.97	0.0300
	64QAM	1	0	1	Max	13.37	0.0083
	64QAM	1	Max	1	0	18.96	0.0299
H 21179_21350	64QAM	Max	0	Max	0	18.82	0.0290
	64QAM	1	0	1	Max	13.17	0.0079
	64QAM	1	Max	1	0	18.75	0.0285
Combination 15MHz+15MHz (75RB+75RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 20825_20975	QPSK	Max	0	Max	0	19.96	0.0377
	QPSK	1	0	1	Max	13.45	0.0084
	QPSK	1	Max	1	0	21.88	0.0586
M 21025_21175	QPSK	Max	0	Max	0	20.05	0.0385
	QPSK	1	0	1	Max	13.44	0.0084
	QPSK	1	Max	1	0	21.89	0.0587
H 21225_21375	QPSK	Max	0	Max	0	19.86	0.0368
	QPSK	1	0	1	Max	13.38	0.0083
	QPSK	1	Max	1	0	21.86	0.0583
L 20825_20975	16QAM	Max	0	Max	0	18.79	0.0288
	16QAM	1	0	1	Max	13.29	0.0081
	16QAM	1	Max	1	0	21.41	0.0526
M 21025_21175	16QAM	Max	0	Max	0	18.84	0.0291
	16QAM	1	0	1	Max	13.44	0.0084
	16QAM	1	Max	1	0	21.30	0.0513
H 21225_21375	16QAM	Max	0	Max	0	18.69	0.0281
	16QAM	1	0	1	Max	13.26	0.0081
	16QAM	1	Max	1	0	21.22	0.0504
L 20825_20975	64QAM	Max	0	Max	0	18.91	0.0296
	64QAM	1	0	1	Max	13.31	0.0081
	64QAM	1	Max	1	0	18.98	0.0301



M 21025_21175	64QAM	Max	0	Max	0	18.94	0.0298
	64QAM	1	0	1	Max	13.44	0.0084
	64QAM	1	Max	1	0	18.87	0.0293
H 21225_21375	64QAM	Max	0	Max	0	18.74	0.0284
	64QAM	1	0	1	Max	13.22	0.0080
	64QAM	1	Max	1	0	18.68	0.0281
Combination 20MHz+10MHz (100RB+50RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 20850_20994	QPSK	Max	0	Max	0	19.90	0.0372
	QPSK	1	0	1	Max	13.49	0.0085
	QPSK	1	Max	1	0	21.91	0.0590
M 21051_21195	QPSK	Max	0	Max	0	20.01	0.0381
	QPSK	1	0	1	Max	13.45	0.0084
	QPSK	1	Max	1	0	21.88	0.0586
H 21251_21395	QPSK	Max	0	Max	0	19.87	0.0369
	QPSK	1	0	1	Max	13.36	0.0082
	QPSK	1	Max	1	0	21.82	0.0578
L 20850_20994	16QAM	Max	0	Max	0	18.91	0.0296
	16QAM	1	0	1	Max	13.37	0.0083
	16QAM	1	Max	1	0	21.33	0.0516
M 21051_21195	16QAM	Max	0	Max	0	18.86	0.0292
	16QAM	1	0	1	Max	13.43	0.0084
	16QAM	1	Max	1	0	21.36	0.0520
H 21251_21395	16QAM	Max	0	Max	0	18.69	0.0281
	16QAM	1	0	1	Max	13.29	0.0081
	16QAM	1	Max	1	0	21.18	0.0499
L 20850_20994	64QAM	Max	0	Max	0	18.92	0.0296
	64QAM	1	0	1	Max	13.22	0.0080
	64QAM	1	Max	1	0	18.91	0.0296
M 21051_21195	64QAM	Max	0	Max	0	18.88	0.0294
	64QAM	1	0	1	Max	13.45	0.0084
	64QAM	1	Max	1	0	18.90	0.0295
H 21251_21395	64QAM	Max	0	Max	0	18.75	0.0285
	64QAM	1	0	1	Max	13.30	0.0081
	64QAM	1	Max	1	0	18.80	0.0288
Combination 10MHz+20MHz (50RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 20805_20949	QPSK	Max	0	Max	0	19.96	0.0377
	QPSK	1	0	1	Max	13.44	0.0084
	QPSK	1	Max	1	0	21.86	0.0583
M 21006_21150	QPSK	Max	0	Max	0	20.00	0.0380
	QPSK	1	0	1	Max	13.53	0.0086
	QPSK	1	Max	1	0	21.88	0.0586
H 21206_21350	QPSK	Max	0	Max	0	19.85	0.0367
	QPSK	1	0	1	Max	13.35	0.0082
	QPSK	1	Max	1	0	21.75	0.0569
L 20805_20949	16QAM	Max	0	Max	0	18.89	0.0294
	16QAM	1	0	1	Max	13.27	0.0081
	16QAM	1	Max	1	0	21.39	0.0524
M 21006_21150	16QAM	Max	0	Max	0	18.78	0.0287
	16QAM	1	0	1	Max	13.36	0.0082
	16QAM	1	Max	1	0	21.33	0.0516



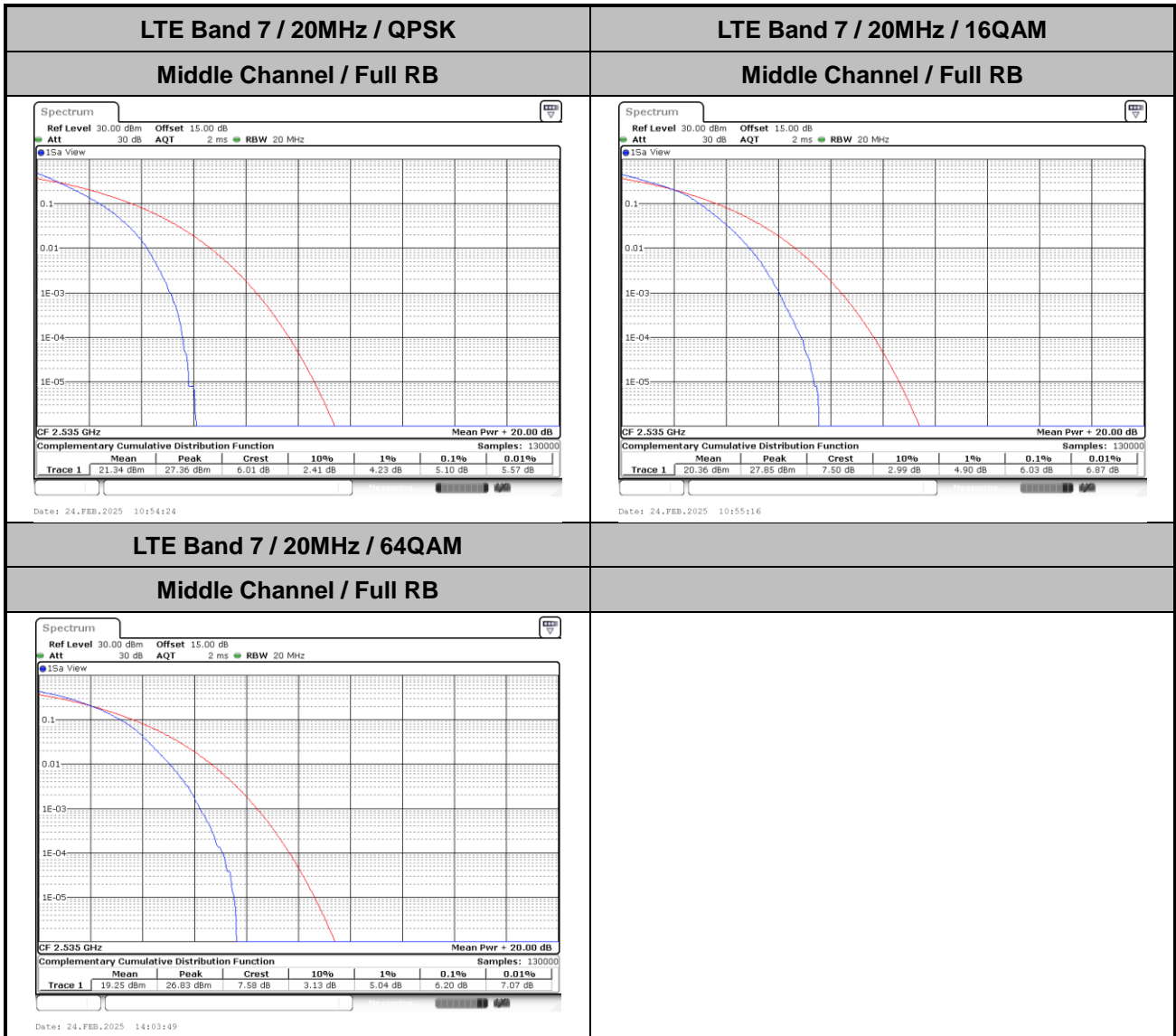
H 21206_21350	16QAM	Max	0	Max	0	18.71	0.0282
	16QAM	1	0	1	Max	13.25	0.0080
	16QAM	1	Max	1	0	21.21	0.0502
L 20805_20949	64QAM	Max	0	Max	0	18.96	0.0299
	64QAM	1	0	1	Max	13.24	0.0080
	64QAM	1	Max	1	0	18.95	0.0299
M 21006_21150	64QAM	Max	0	Max	0	18.93	0.0297
	64QAM	1	0	1	Max	13.41	0.0083
	64QAM	1	Max	1	0	19.00	0.0302
H 21206_21350	64QAM	Max	0	Max	0	18.80	0.0288
	64QAM	1	0	1	Max	13.25	0.0080
	64QAM	1	Max	1	0	18.71	0.0282
Combination 15MHz+10MHz (75RB+50RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 20825_20945	QPSK	Max	0	Max	0	19.89	0.0371
	QPSK	1	0	1	Max	13.51	0.0085
	QPSK	1	Max	1	0	21.82	0.0578
M 21051_21171	QPSK	Max	0	Max	0	19.98	0.0378
	QPSK	1	0	1	Max	13.58	0.0087
	QPSK	1	Max	1	0	21.87	0.0585
H 21277_21397	QPSK	Max	0	Max	0	19.75	0.0359
	QPSK	1	0	1	Max	13.41	0.0083
	QPSK	1	Max	1	0	21.80	0.0575
L 20825_20945	16QAM	Max	0	Max	0	18.87	0.0293
	16QAM	1	0	1	Max	13.29	0.0081
	16QAM	1	Max	1	0	21.35	0.0519
M 21051_21171	16QAM	Max	0	Max	0	18.77	0.0286
	16QAM	1	0	1	Max	13.35	0.0082
	16QAM	1	Max	1	0	21.31	0.0514
H 21277_21397	16QAM	Max	0	Max	0	18.80	0.0288
	16QAM	1	0	1	Max	13.21	0.0080
	16QAM	1	Max	1	0	21.28	0.0511
L 20825_20945	64QAM	Max	0	Max	0	18.91	0.0296
	64QAM	1	0	1	Max	13.22	0.0080
	64QAM	1	Max	1	0	18.93	0.0297
M 21051_21171	64QAM	Max	0	Max	0	18.97	0.0300
	64QAM	1	0	1	Max	13.40	0.0083
	64QAM	1	Max	1	0	18.92	0.0296
H 21277_21397	64QAM	Max	0	Max	0	18.72	0.0283
	64QAM	1	0	1	Max	13.21	0.0080
	64QAM	1	Max	1	0	18.78	0.0287



LTE Band 7

Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.10	6.03	6.20	PASS





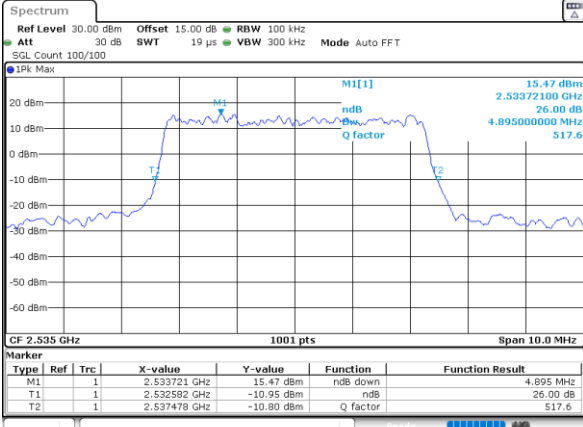
26dB Bandwidth

Mode	LTE Band 7 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.90	4.93	9.77	9.77	14.21	14.42	18.90	18.78



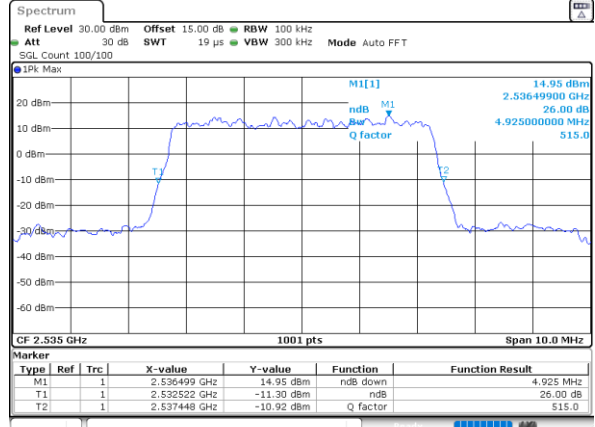
LTE Band 7

Middle Channel / 5MHz / QPSK



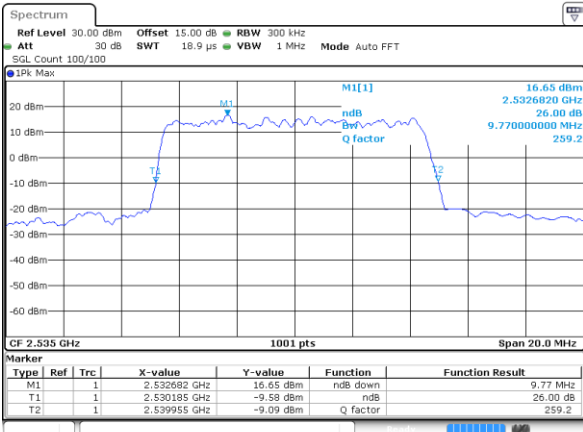
Date: 22.FEB.2025 09:15:27

Middle Channel / 5MHz / 16QAM



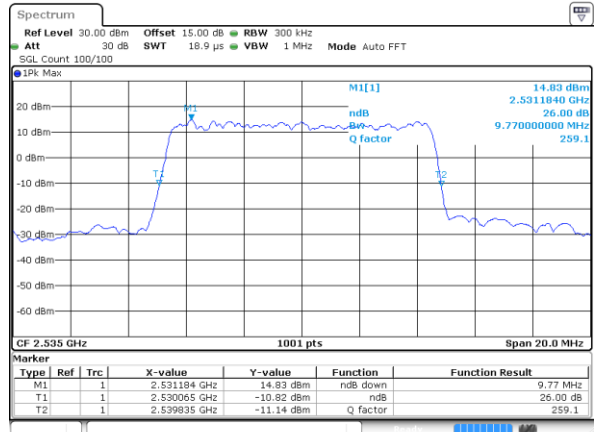
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Middle Channel / 10MHz / QPSK



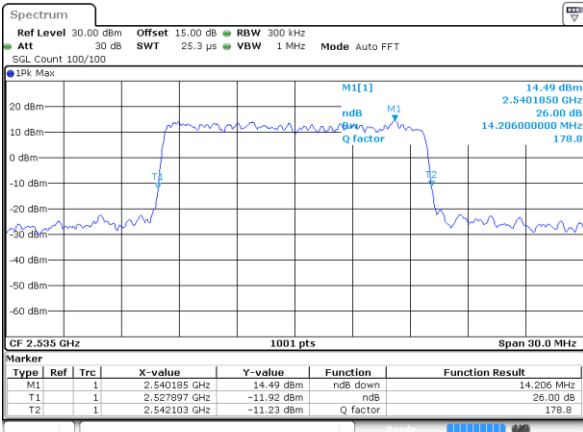
Date: 20.FEB.2025 00:32:57

Middle Channel / 10MHz / 16QAM



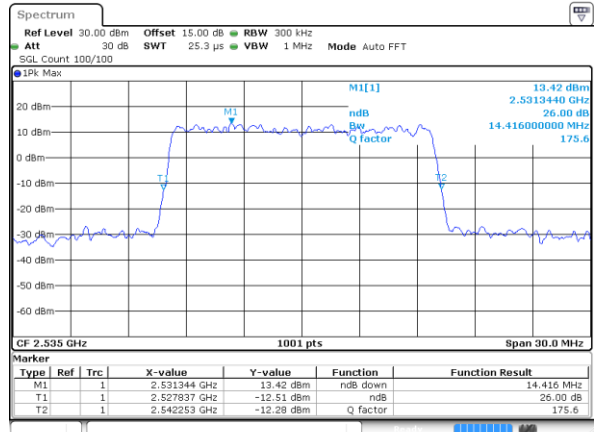
Date: 20.FEB.2025 00:33:36

Middle Channel / 15MHz / QPSK



Date: 20.FEB.2025 00:50:34

Middle Channel / 15MHz / 16QAM

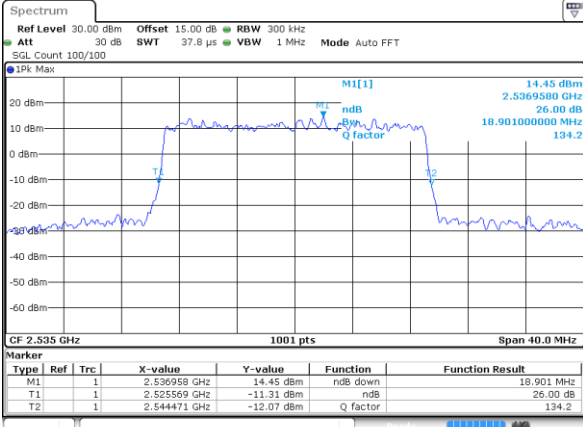


Date: 20.FEB.2025 00:51:13



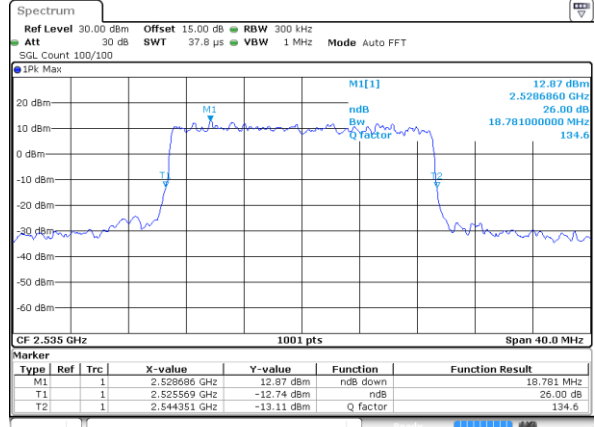
LTE Band 7

Middle Channel / 20MHz / QPSK



Date: 20 FEB 2025 01:08:10

Middle Channel / 20MHz / 16QAM



Date: 20 FEB 2025 01:08:50



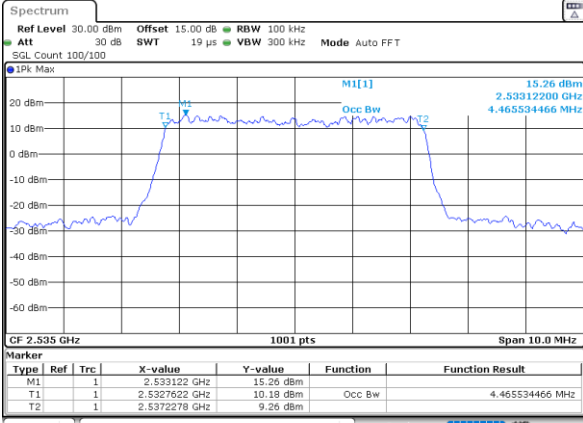
Occupied Bandwidth

Mode	LTE Band 7 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.47	4.48	9.01	9.01	13.46	13.46	17.82	17.90



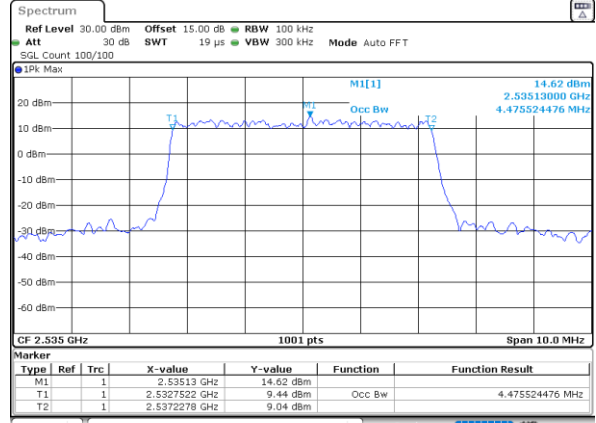
LTE Band 7

Middle Channel / 5MHz / QPSK



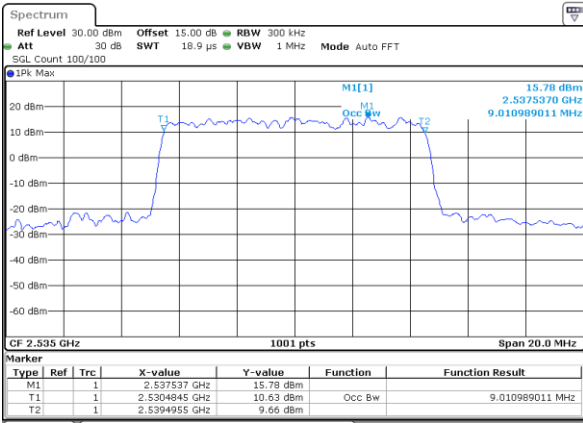
Date: 22.FEB.2025 09:15:12

Middle Channel / 5MHz / 16QAM



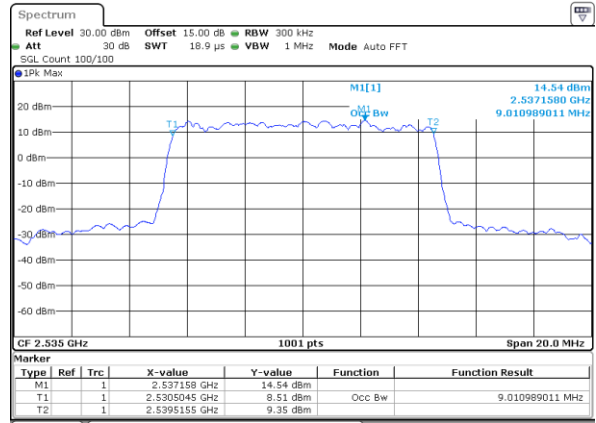
Date: 22.FEB.2025 09:15:49

Middle Channel / 10MHz / QPSK



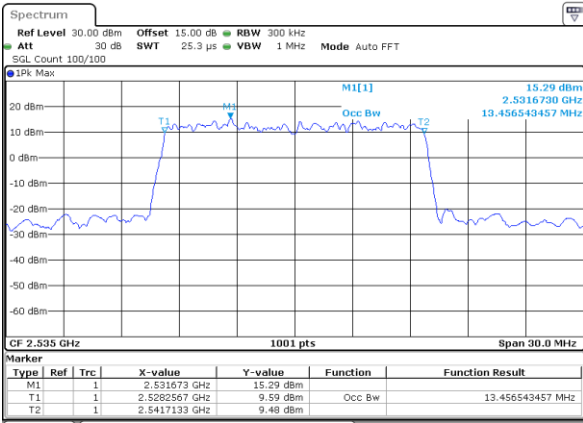
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Middle Channel / 10MHz / 16QAM



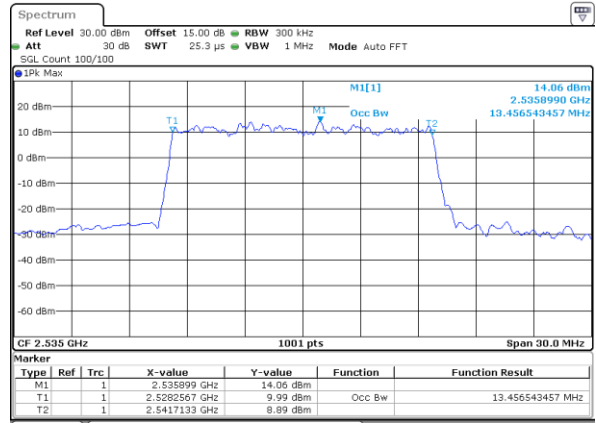
Date: 20 FEB 2025 00:33:22

Middle Channel / 15MHz / QPSK



Date: 20 FEB 2025 00:50:20

Middle Channel / 15MHz / 16QAM

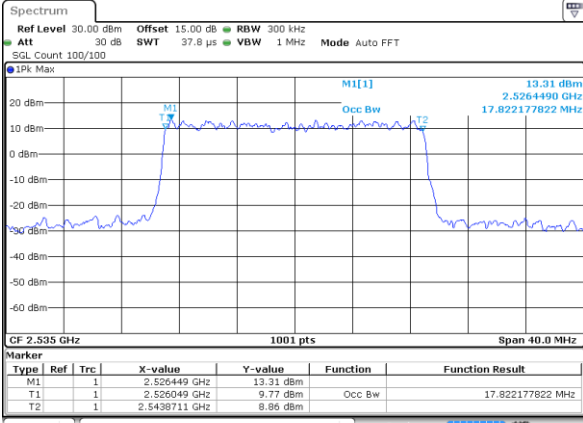


Date: 20 FEB 2025 00:50:59



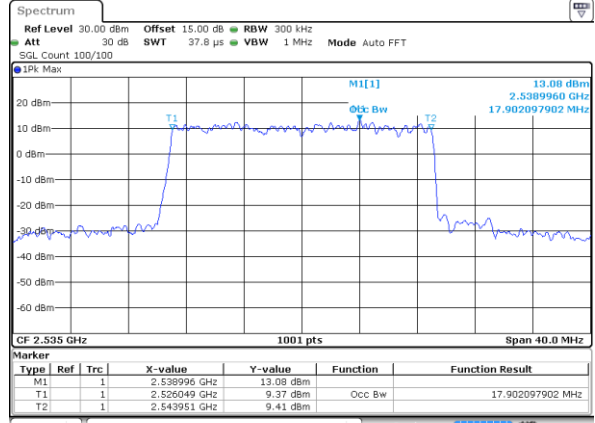
LTE Band 7

Middle Channel / 20MHz / QPSK



Date: 20 FEB 2025 01:07:57

Middle Channel / 20MHz / 16QAM



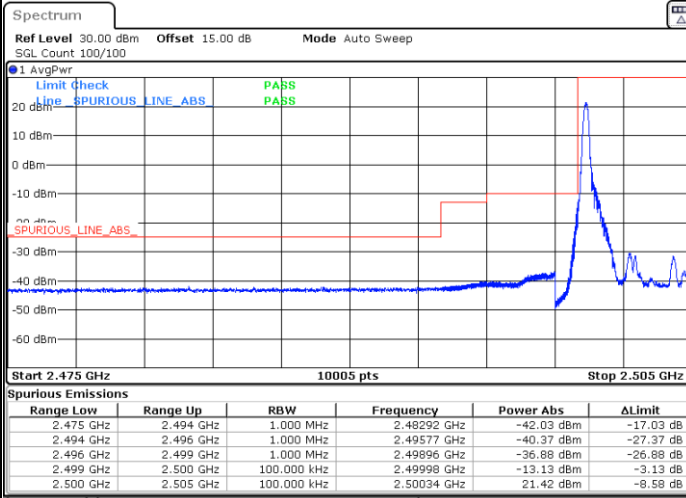
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Conducted Band Edge

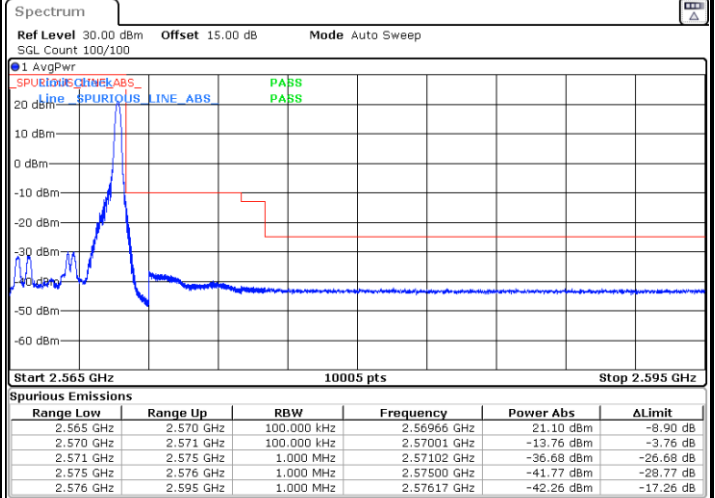
LTE Band 7 / 5MHz / QPSK

Lowest Band Edge / 1 RB



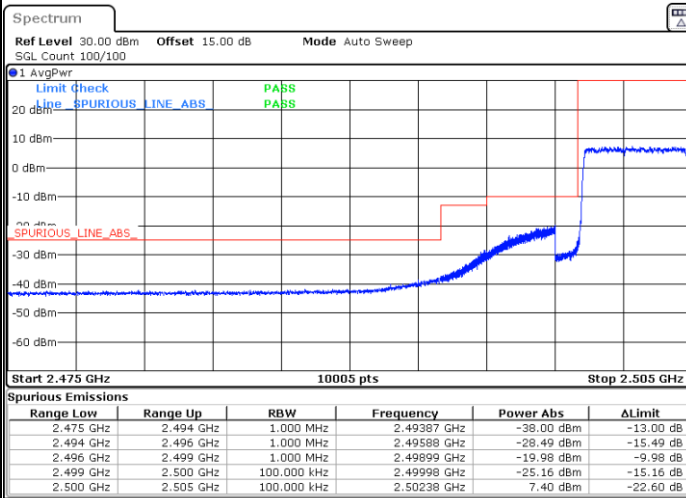
Date: 22.FEB.2025 09:10:00

Highest Band Edge / 1 RB



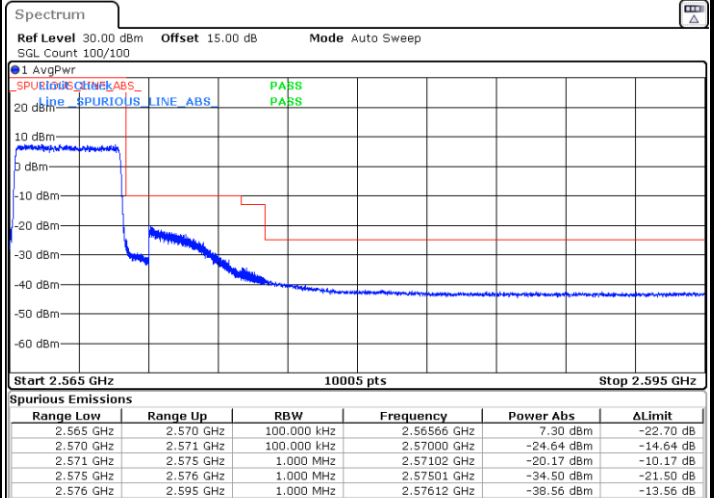
Date: 22.FEB.2025 09:16:31

Lowest Band Edge / Full RB



Date: 22.FEB.2025 09:11:27

Highest Band Edge / Full RB

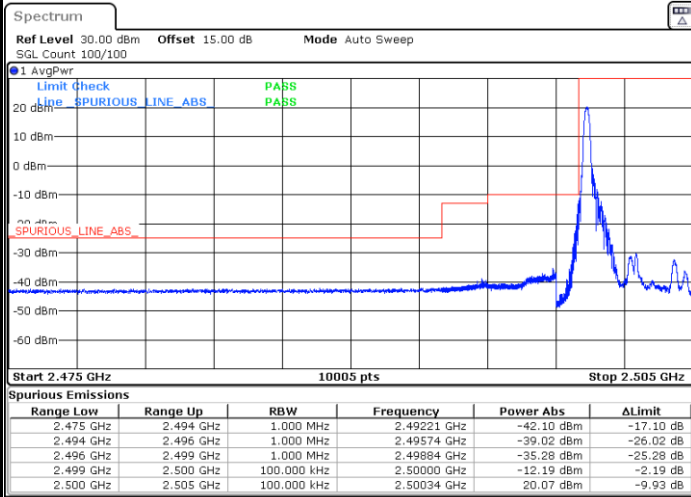


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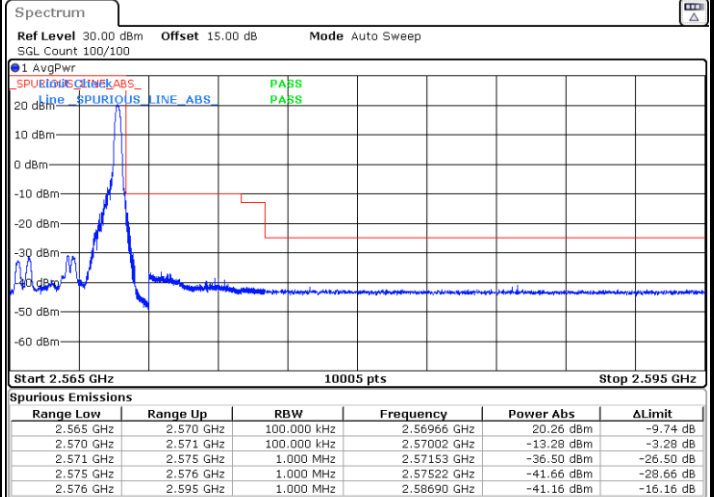
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1RB



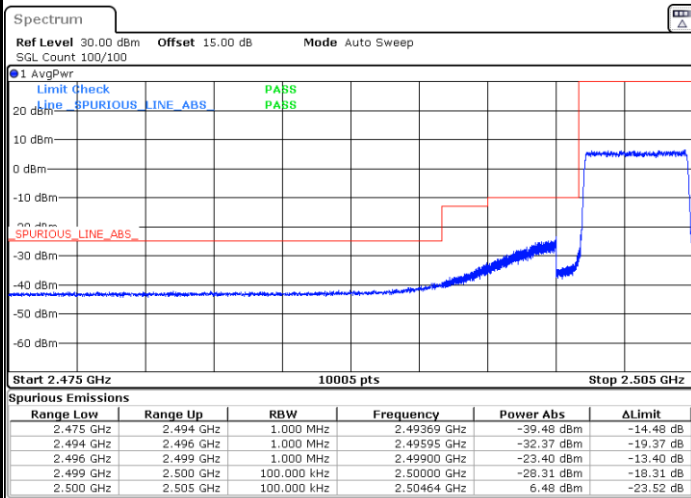
Date: 22.FEB.2025 09:10:29

Highest Band Edge / 1 RB



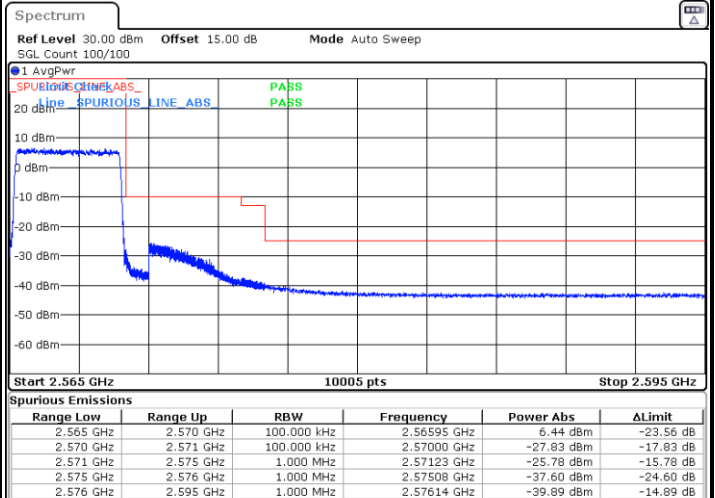
Date: 22.FEB.2025 09:17:01

Lowest Band Edge / Full RB



Date: 22.FEB.2025 09:11:57

Highest Band Edge / Full RB

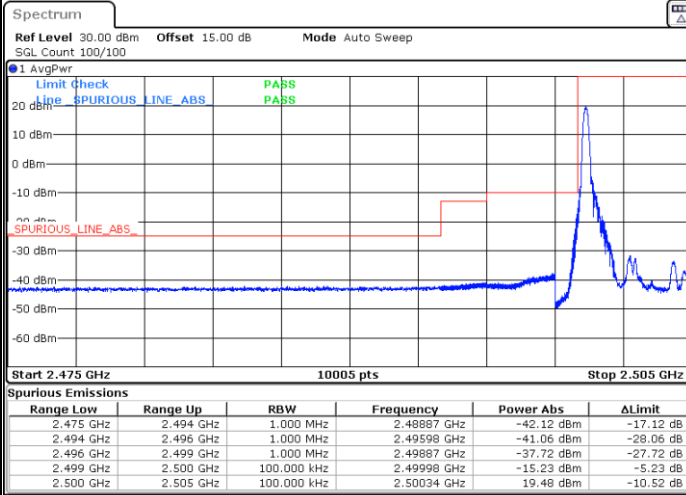


Date: 22.FEB.2025 09:18:27



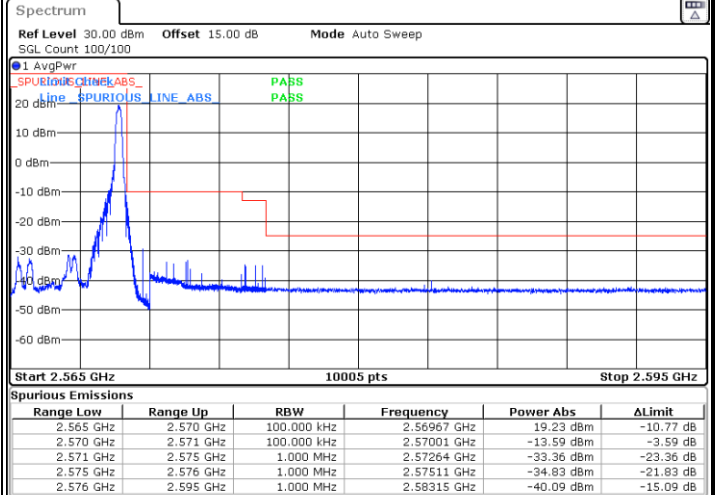
LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB



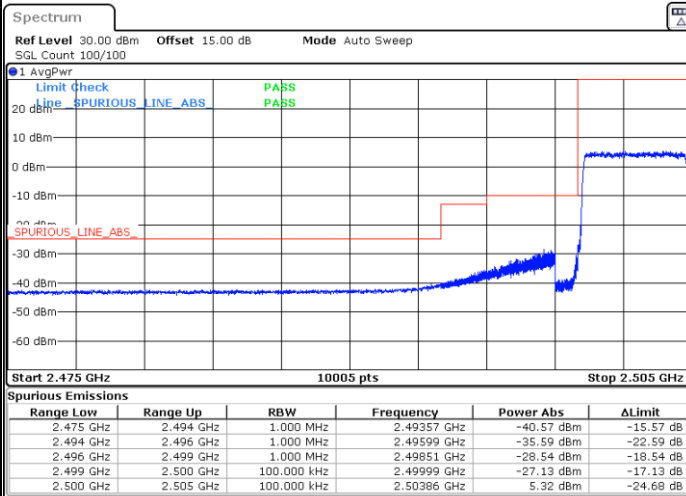
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Highest Band Edge / 1 RB



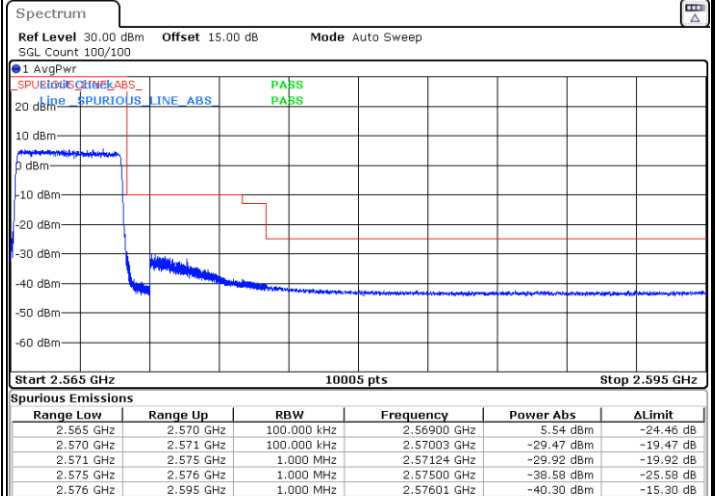
Date: 22.FEB.2025 09:17:29

Lowest Band Edge / Full RB



Date: 22.FEB.2025 09:12:26

Highest Band Edge / Full RB

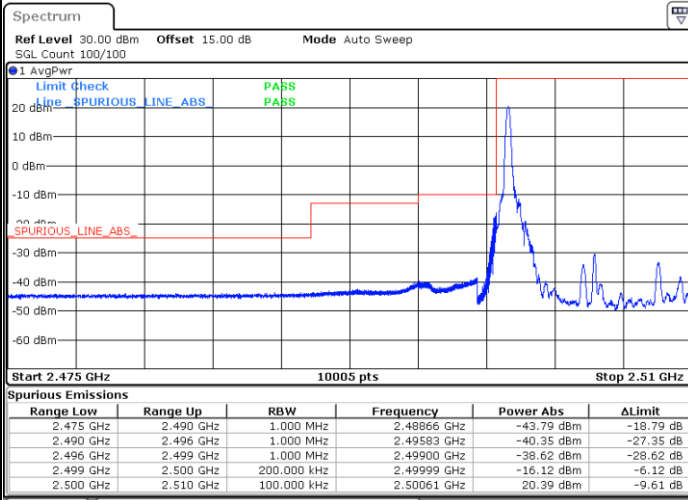


Date: 22.FEB.2025 09:18:56



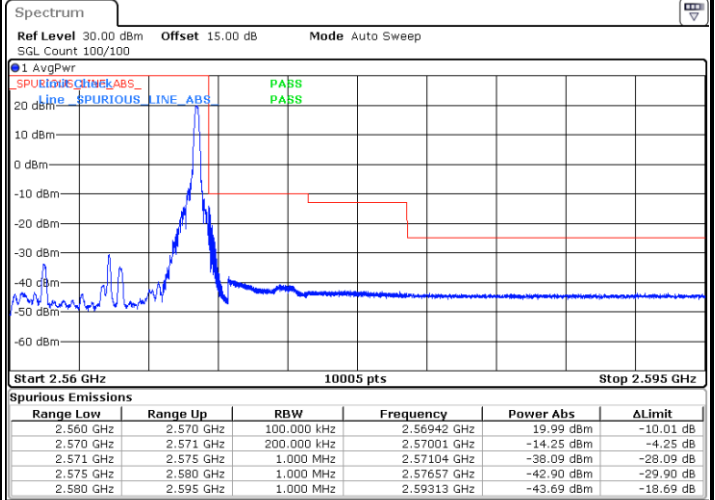
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB



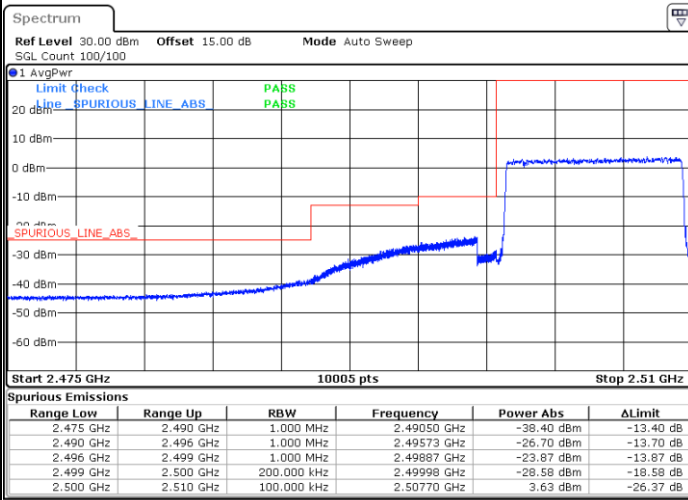
Date: 20 FEB 2025 00:24:56

Highest Band Edge / 1 RB



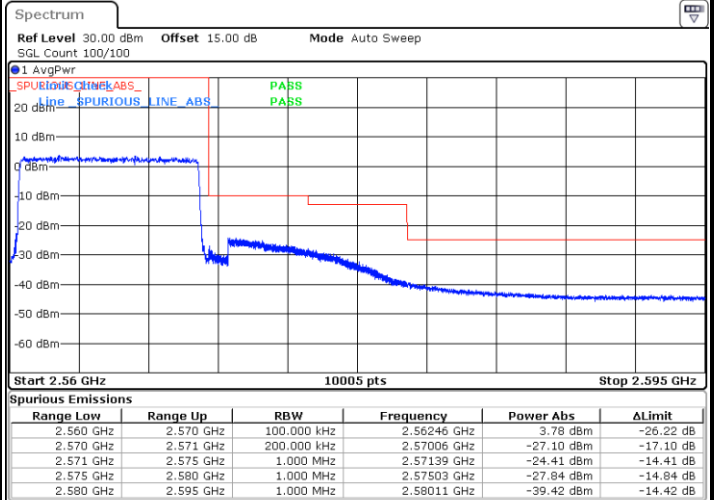
Date: 20 FEB 2025 00:34:36

Lowest Band Edge / Full RB



Date: 20 FEB 2025 00:27:58

Highest Band Edge / Full RB

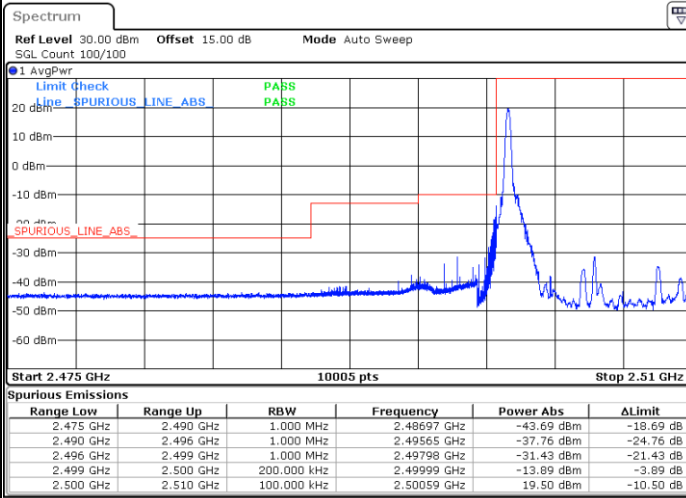


Date: 20 FEB 2025 00:37:38



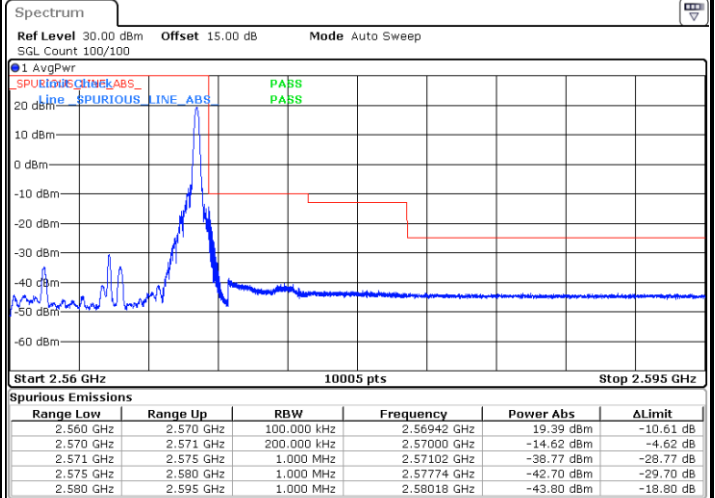
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1RB



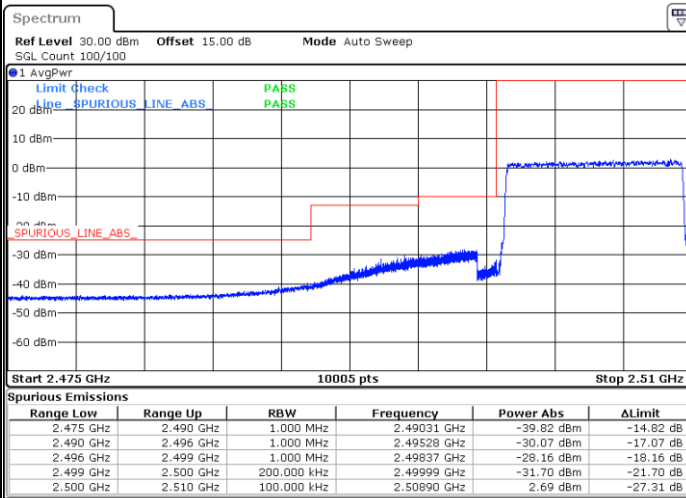
Date: 20 FEB 2025 00:25:56

Highest Band Edge / 1 RB



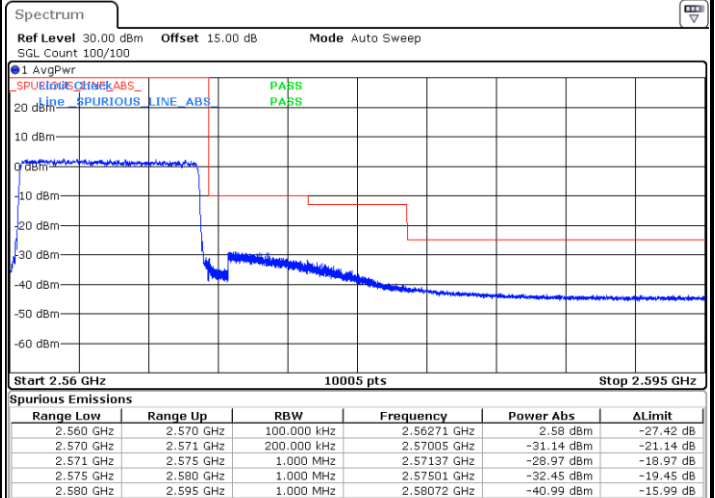
Date: 20 FEB 2025 00:35:36

Lowest Band Edge / Full RB



Date: 20 FEB 2025 00:28:58

Highest Band Edge / Full RB

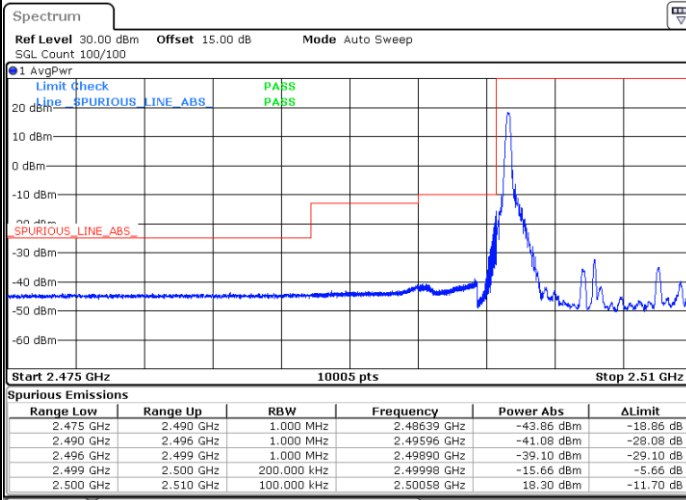


Date: 20 FEB 2025 00:38:38



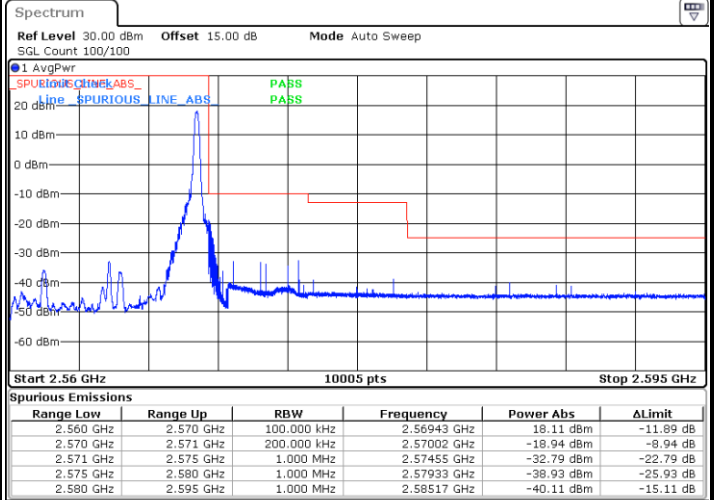
LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1RB



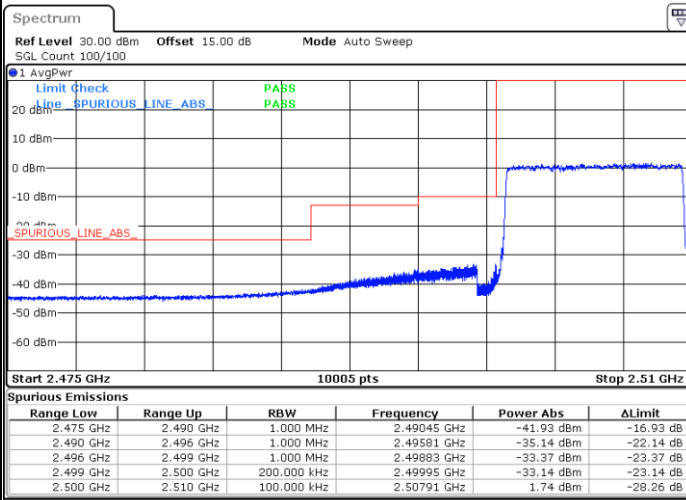
Date: 20 FEB 2025 00:26:57

Highest Band Edge / 1 RB



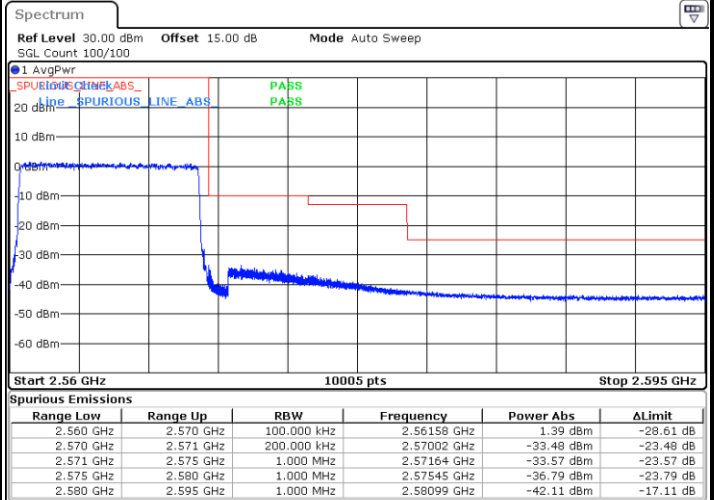
Date: 20 FEB 2025 00:36:37

Lowest Band Edge / Full RB



Date: 20 FEB 2025 00:29:59

Highest Band Edge / Full RB



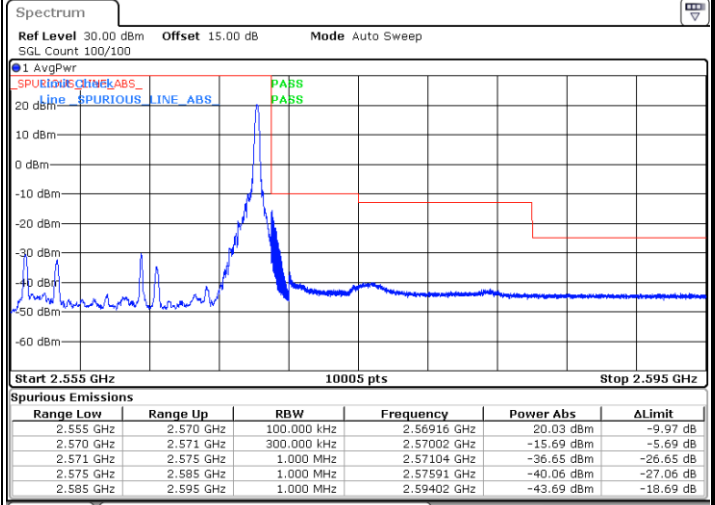
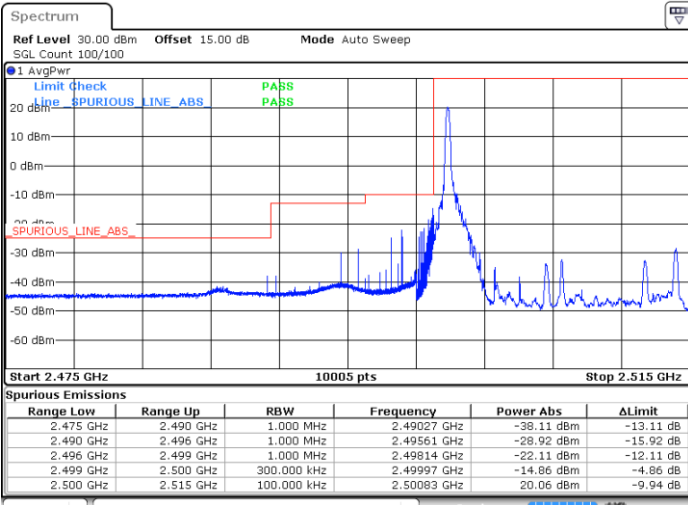
Date: 20 FEB 2025 00:39:39



LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

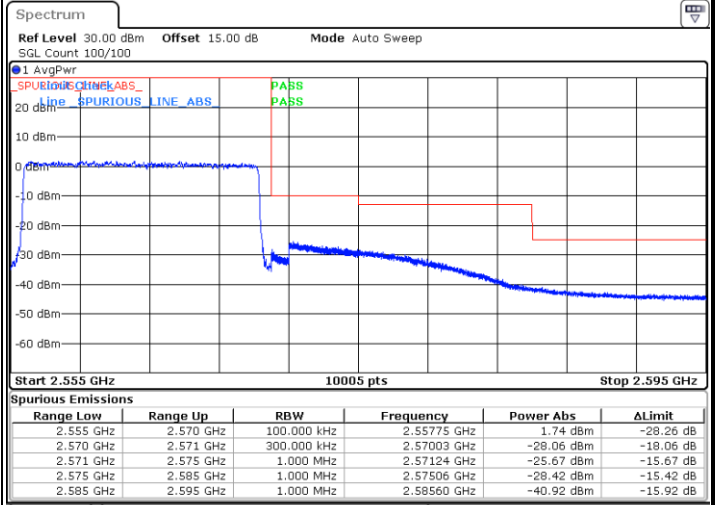
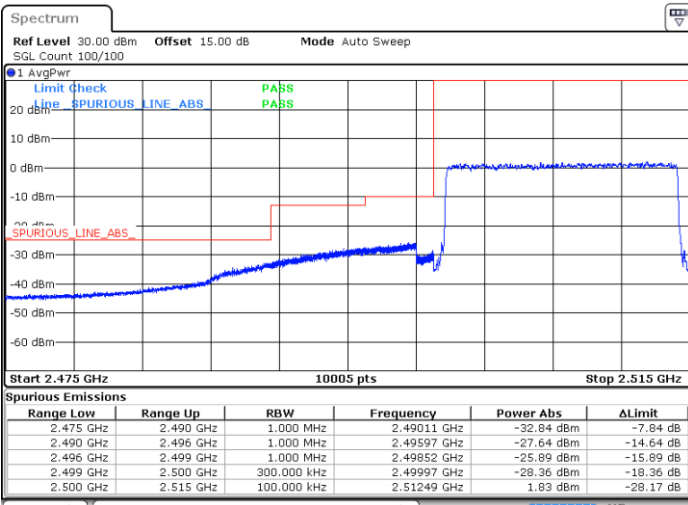


Date: 20 FEB 2025 00:42:32

Date: 20 FEB 2025 00:52:13

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



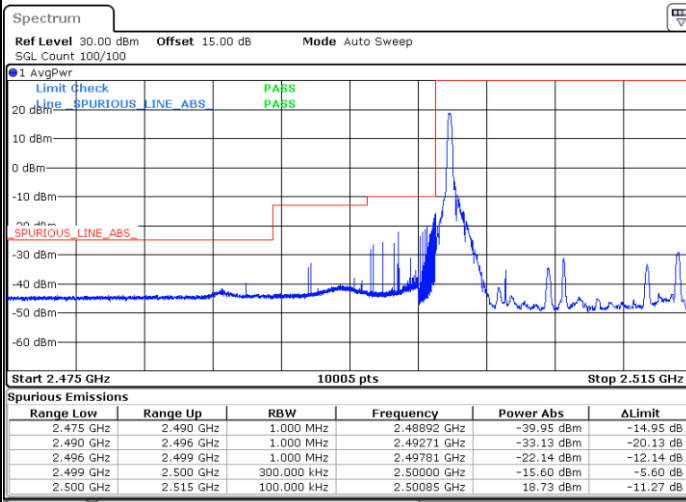
Date: 20 FEB 2025 00:45:34

Date: 20 FEB 2025 00:55:15



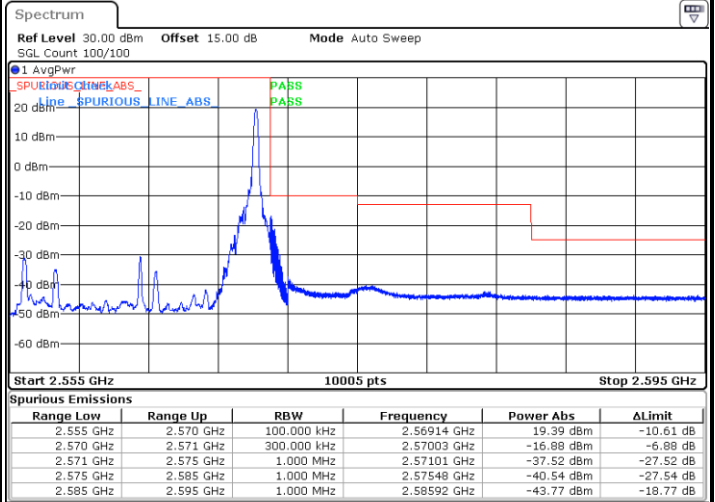
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1RB



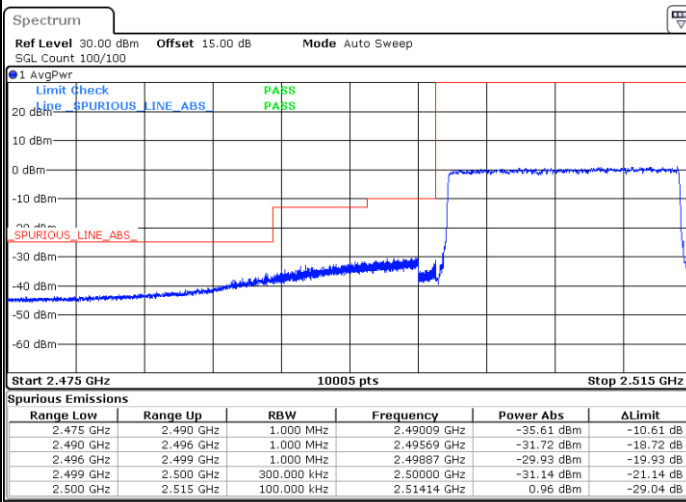
Date: 20 FEB 2025 00:43:33

Highest Band Edge / 1 RB



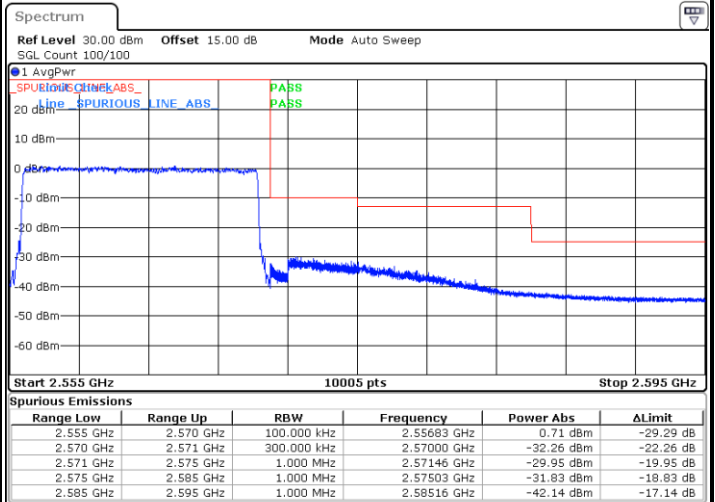
Date: 20 FEB 2025 00:53:13

Lowest Band Edge / Full RB



Date: 20 FEB 2025 00:46:35

Highest Band Edge / Full RB

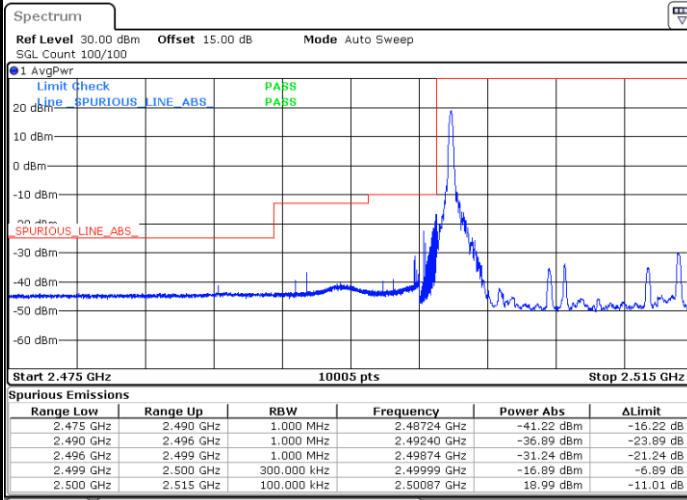


Date: 20 FEB 2025 00:56:15



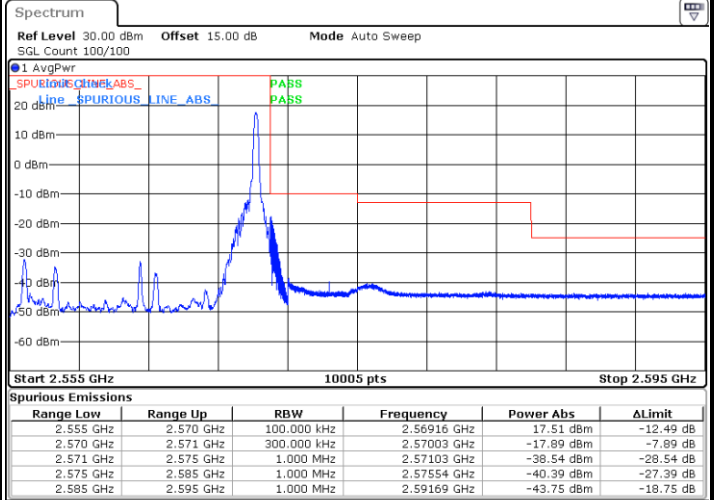
LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1RB



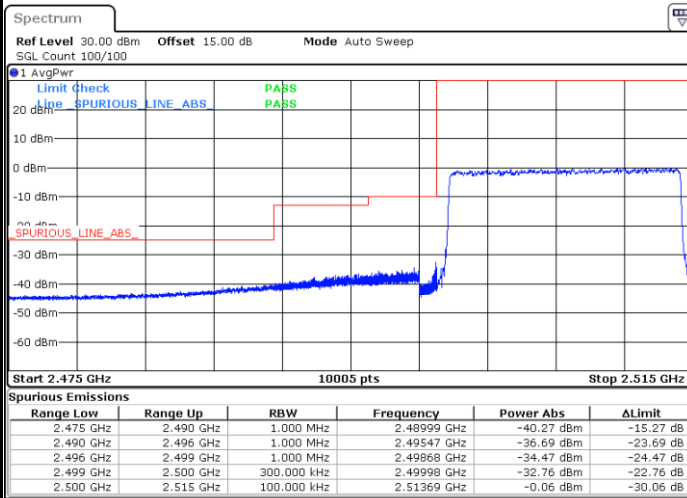
Date: 20 FEB 2025 00:44:33

Highest Band Edge / 1 RB



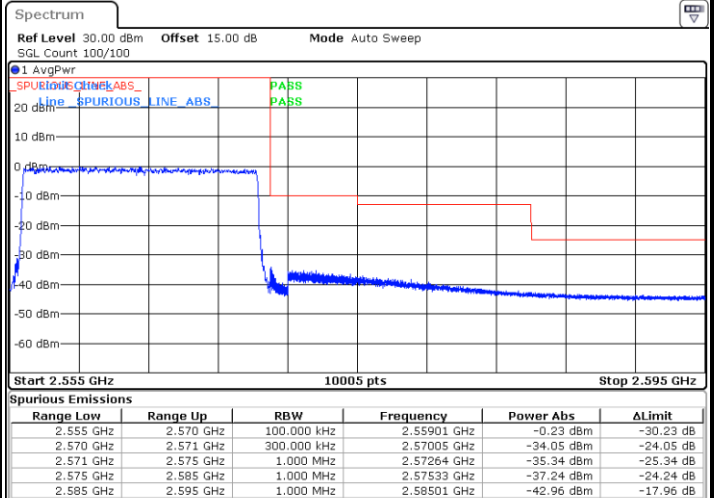
Date: 20 FEB 2025 00:54:14

Lowest Band Edge / Full RB



Date: 20 FEB 2025 00:47:36

Highest Band Edge / Full RB

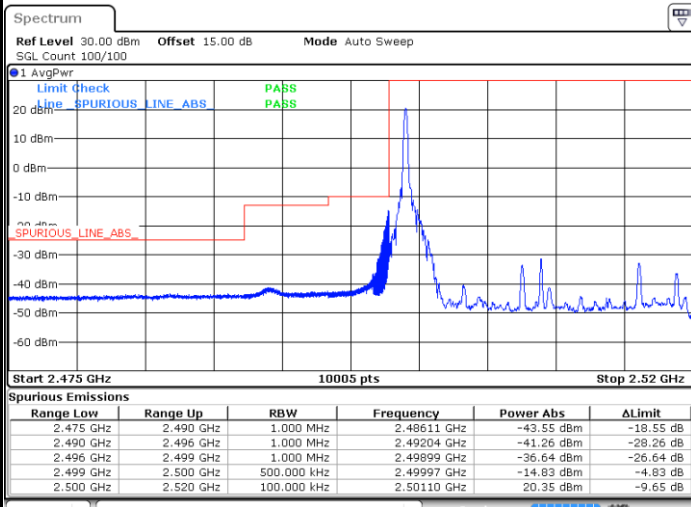


Date: 20 FEB 2025 00:57:16



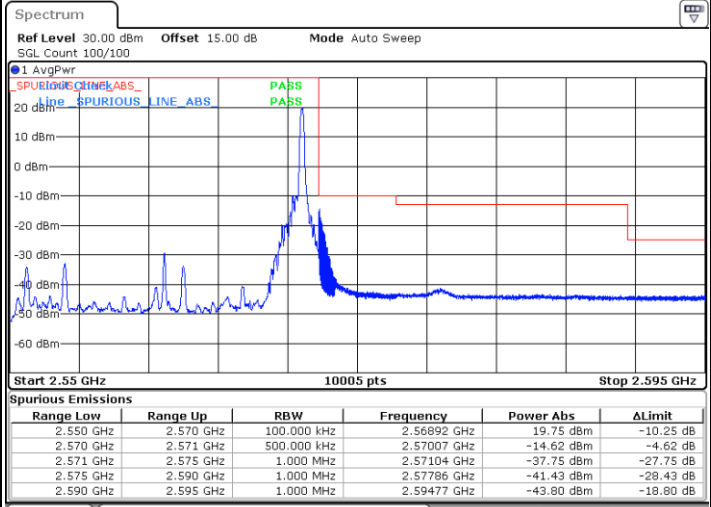
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB



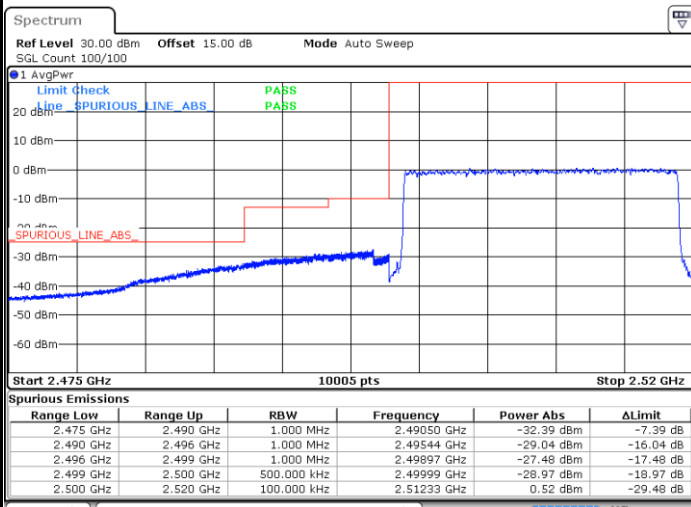
Date: 20 FEB 2025 01:00:09

Highest Band Edge / 1 RB



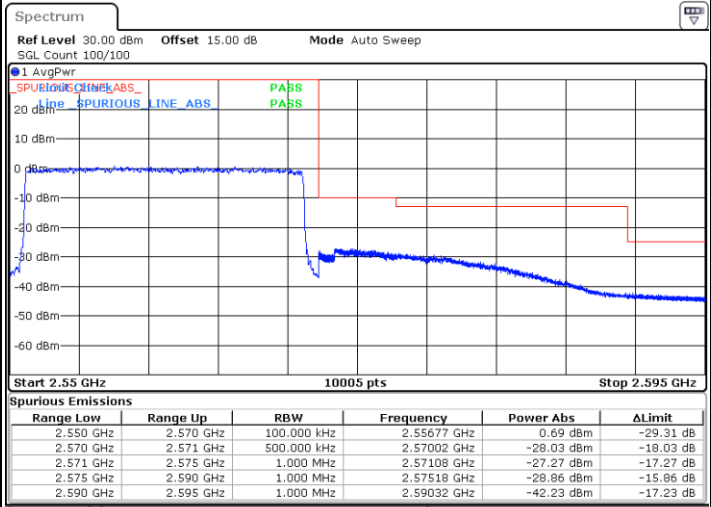
Date: 20 FEB 2025 01:09:49

Lowest Band Edge / Full RB



Date: 20 FEB 2025 01:03:11

Highest Band Edge / Full RB

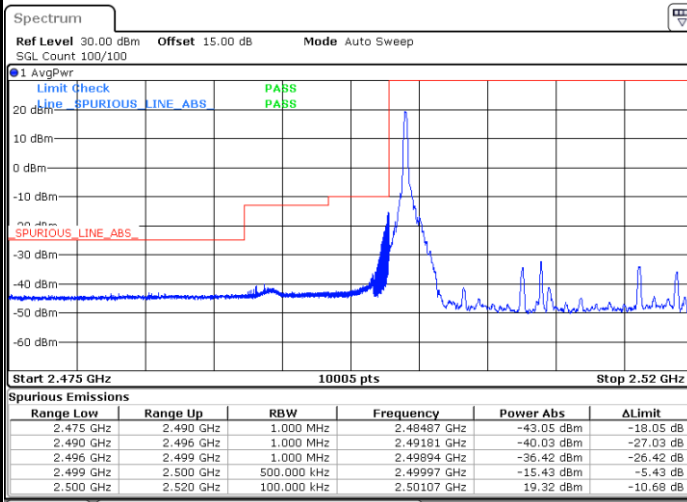


Date: 20 FEB 2025 01:12:51



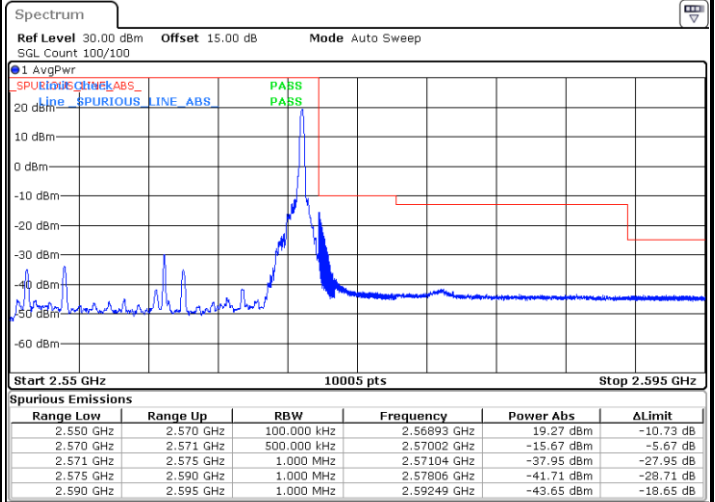
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1RB



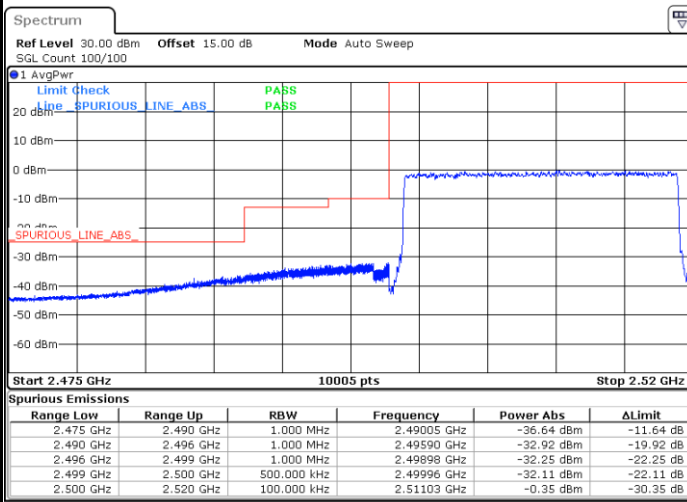
Date: 20 FEB 2025 01:01:09

Highest Band Edge / 1 RB



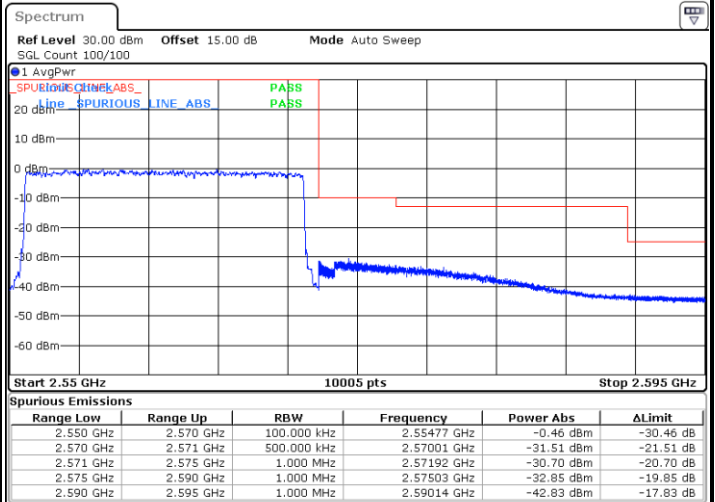
Date: 20 FEB 2025 01:10:50

Lowest Band Edge / Full RB



Date: 20 FEB 2025 01:04:12

Highest Band Edge / Full RB

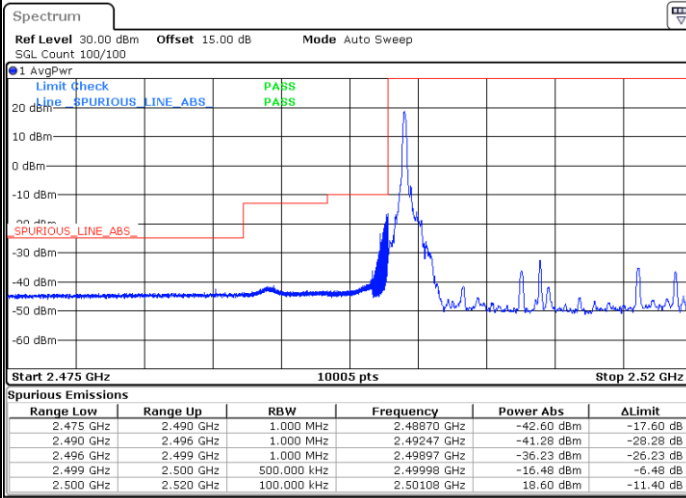


Date: 20 FEB 2025 01:13:52



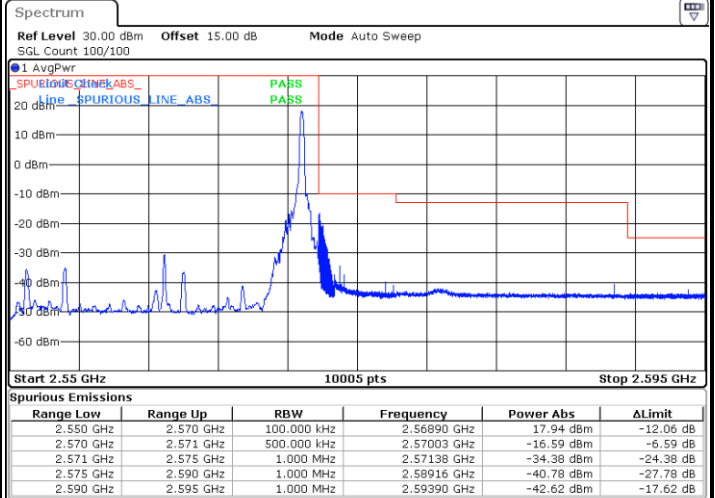
LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1RB



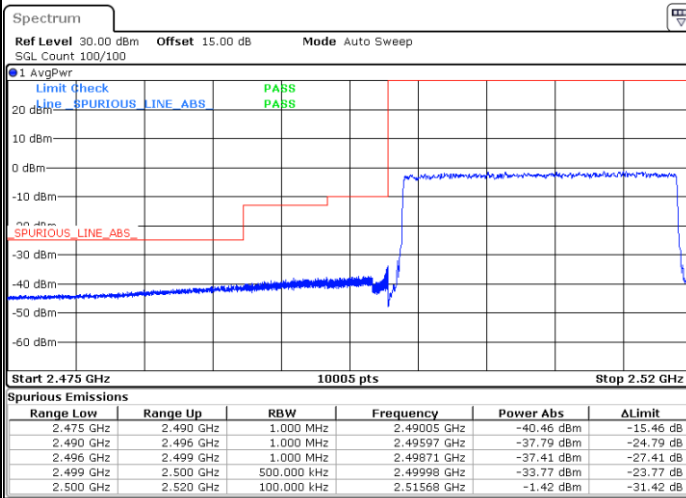
Date: 20 FEB 2025 01:02:10

Highest Band Edge / 1 RB



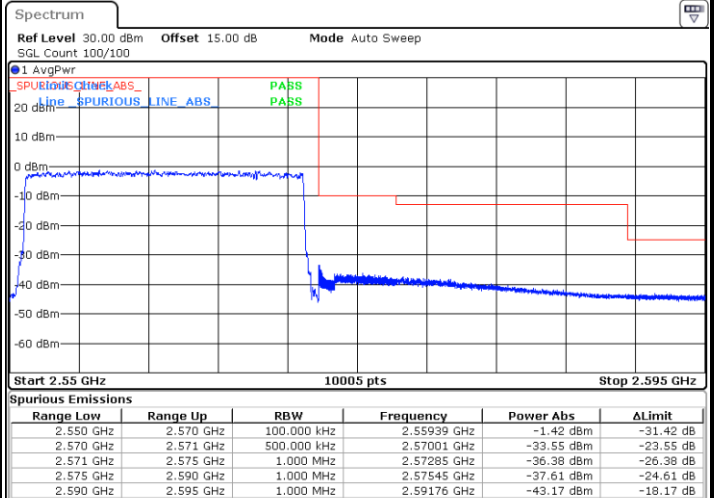
Date: 20 FEB 2025 01:11:50

Lowest Band Edge / Full RB



Date: 20 FEB 2025 01:05:12

Highest Band Edge / Full RB



Date: 20 FEB 2025 01:14:52



Conducted Spurious Emission

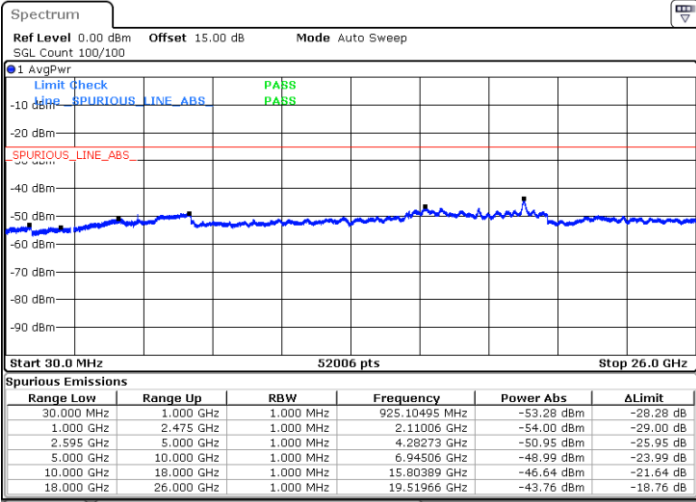




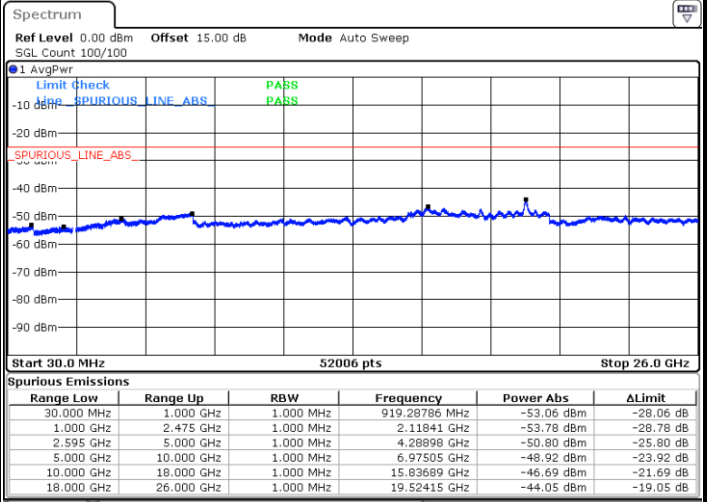
LTE Band 7 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

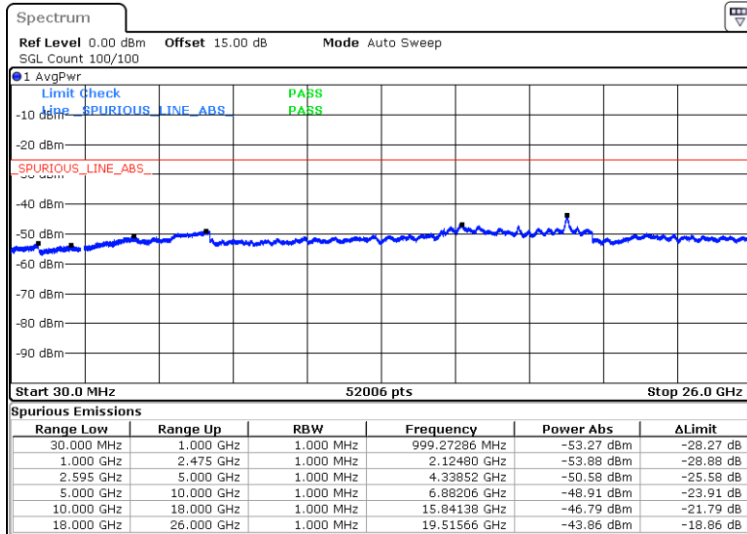


Date: 20.FEB.2025 00:31:08



Date: 20.FEB.2025 00:32:17

Highest Channel / QPSK



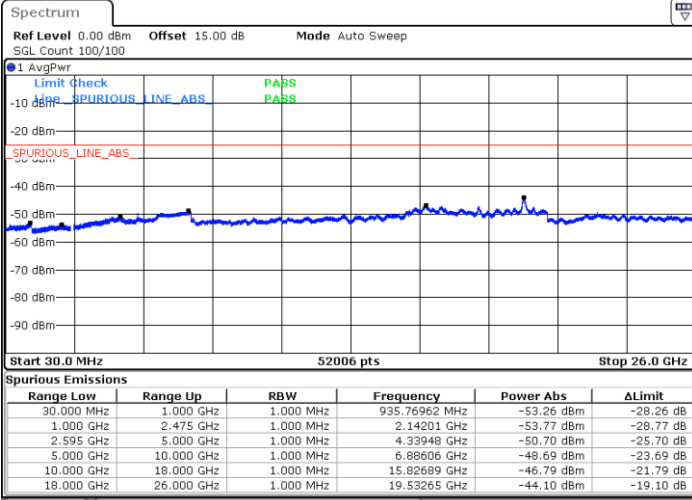
Date: 20.FEB.2025 00:40:48



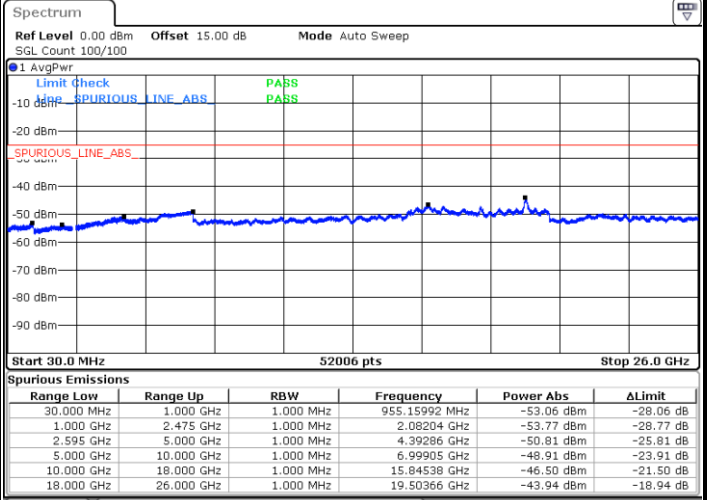
LTE Band 7 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

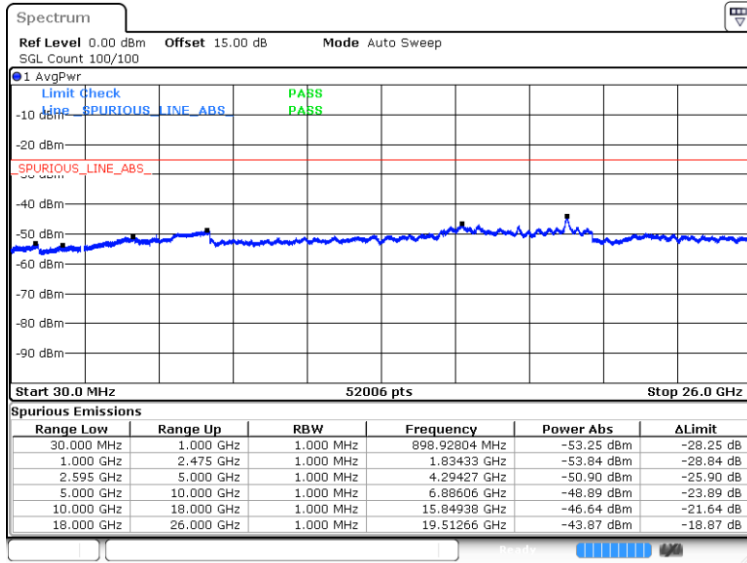


Date: 20.FEB.2025 00:48:46



Date: 20.FEB.2025 00:49:54

Highest Channel / QPSK



Date: 20.FEB.2025 00:58:25