



FCC RF Test Report

APPLICANT : Guangdong OPPO Mobile Telecommunications Corp., Ltd.
EQUIPMENT : Mobile Phone
BRAND NAME : OPPO
MODEL NAME : CPH2781
FCC ID : R9C-OP24091
STANDARD : 47 CFR Part 27(M)
CLASSIFICATION : PCS Licensed Transmitter Held to Ear (PCE)
TEST DATE(S) : May 28, 2025 ~ Jun. 16, 2025

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

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

Fly Liang

Approved by: Fly Liang



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People's Republic of China



TABLE OF CONTENTS

REVISION HISTORY	3
SUMMARY OF TEST RESULT	4
1 GENERAL DESCRIPTION	5
1.1 Applicant	5
1.2 Manufacturer	5
1.3 Product Feature of Equipment Under Test	5
1.4 Product Specification of Equipment Under Test	6
1.5 Modification of EUT	7
1.6 Maximum EIRP Power and Emission Designator	7
1.7 Testing Location	9
1.8 Test Software	9
1.9 Applicable Standards	9
2 TEST CONFIGURATION OF EQUIPMENT UNDER TEST	10
2.1 Test Mode	10
2.2 Connection Diagram of Test System	12
2.3 Support Unit used in test configuration and system	12
2.4 Measurement Results Explanation Example	12
2.5 Frequency List of Low/Middle/High Channels	13
3 CONDUCTED TEST ITEMS	17
3.1 Measuring Instruments	17
3.2 Test Setup	17
3.3 Test Result of Conducted Test	17
3.4 Conducted Output Power and EIRP	18
3.5 Peak-to-Average Ratio	20
3.6 Occupied Bandwidth	21
3.7 Conducted Band Edge	22
3.8 Conducted Spurious Emission	23
3.9 Frequency Stability	24
4 RADIATED TEST ITEMS	25
4.1 Measuring Instruments	25
4.2 Test Setup	25
4.3 Test Result of Radiated Test	26
4.4 Radiated Spurious Emission	27
5 LIST OF MEASURING EQUIPMENT	28
6 MEASUREMENT UNCERTAINTY	29
APPENDIX A. TEST RESULTS OF CONDUCTED TEST	
APPENDIX B. TEST RESULTS OF RADIATED TEST	
APPENDIX C. TEST SETUP PHOTOGRAPHS	



REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG551405C	Rev. 01	Initial issue of report	Jun. 30, 2025



SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	-	Report Only	-
	§27.50(h)(2)	Equivalent Isotropic Radiated Power (Band 7) (Band 38) (Band 41)	EIRP < 2Watt	PASS	-
3.5	N/A	Peak-to-Average Ratio	<13 dB	PASS	-
3.6	§2.1049	Occupied Bandwidth	-	Report Only	-
3.7	§27.53(m)(4)	Conducted Band Edge Measurement (Band 7) (Band 38) (Band 41)	§27.53(m)(4)	PASS	-
3.8	§2.1051 §27.53(m)(4)	Conducted Spurious Emission (Band 7) (Band 38) (Band 41)	< 55+10log ₁₀ (P[Watts])	PASS	-
3.9	§2.1055 §27.54	Frequency Stability Temperature & Voltage	Within Authorized Band	PASS	-
4.4	§2.1053 §27.53(m)(4)	Radiated Spurious Emission (Band 7) (Band 38) (Band 41)	< 55+10log ₁₀ (P[Watts])	PASS	Under limit 16.05 dB at 7752.00 MHz

Conformity Assessment Condition:

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

Disclaimer:

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



1 General Description

1.1 Applicant

Guangdong OPPO Mobile Telecommunications Corp., Ltd.

NO.18 HaiBin Road, Wusha Village, Chang'an Town, DongGuan City, Guangdong Province, P.R. China

1.2 Manufacturer

Guangdong OPPO Mobile Telecommunications Corp., Ltd.

NO.18 HaiBin Road, Wusha Village, Chang'an Town, DongGuan City, Guangdong Province, P.R. China

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Phone
Brand Name	OPPO
Model Name	CPH2781
FCC ID	R9C-OP24091
IMEI Code	Conducted: 860206080118237 Radiation: 860206080119177/860206080119169
HW Version	11
SW Version	ColorOS 15.0
EUT Stage	Production Unit



1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	LTE Band 7 : 2500 MHz ~ 2570 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 38: 2570 MHz ~ 2620 MHz LTE Band 41 : 2496 MHz ~ 2690 MHz
Bandwidth	LTE Band 7 : 5MHz/ 10MHz / 15MHz / 20MHz LTE Band 38 : 5MHz / 10MHz / 15MHz / 20MHz LTE Band 41 : 5MHz / 10MHz / 15MHz / 20MHz
Maximum Output Power to Antenna	<ANT3> LTE Band 7 : 24.41 dBm LTE CA_7C : 23.09 dBm LTE Band 38 : 24.65 dBm LTE CA_38C : 23.20 dBm LTE Band 41 : 26.54 dBm LTE CA_41C : 23.76 dBm <ANT4> LTE Band 7 : 24.34 dBm LTE CA_7C : 23.13 dBm LTE Band 38 : 24.47 dBm LTE CA_38C : 23.26 dBm LTE Band 41 : 26.55 dBm LTE CA_41C : 23.68 dBm <ANT5> LTE Band 7 : 24.34 dBm LTE CA_7C : 20.27 dBm LTE Band 38 : 21.45 dBm LTE CA_38C : 20.16 dBm LTE Band 41 : 23.48 dBm LTE CA_41C : 20.91 dBm
Antenna Gain	<ANT3> LTE Band 7 : -0.7 dBi LTE Band 38 : -1.5 dBi LTE Band 41 : -1.5 dBi <ANT4> LTE Band 7 : -0.7 dBi LTE Band 38 : -1.0 dBi LTE Band 41 : -1.0 dBi <ANT5> LTE Band 7 : -5.4 dBi LTE Band 38 : -6.4 dBi LTE Band 41 : -6.4 dBi
Type of Modulation	QPSK / 16QAM / 64QAM

Note:

1. The maximum EIRP is calculated from max output power and max antenna gain, so only the maximum EIRP of Antenna 3 for LTE Band7 and Antenna 4 for LTE Band38/7C/38C/41/41C are shown in the report.



- For conducted test items, only the test data of the worse Ant.3(for B7/41C) and Ant.4(for 7C/41) are shown in the report according to the maximum power, B38/38C covered by B41/41C.
- LTE B41 supports HPUE mode.

1.5 Modification of EUT

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

1.6 Maximum 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	0.2323	4M49G7D	0.1968	4M49W7D
10	2505.0 ~ 2565.0	0.2317	9M13G7D	0.2018	9M03W7D
15	2507.5 ~ 2562.5	0.2312	13M5G7D	0.1986	13M4W7D
20	2510.0 ~ 2560.0	0.2350	17M9G7D	0.2023	17M9W7D
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	0.2213	4M51G7D	0.1774	4M50W7D
10	2575.0 ~ 2615.0	0.2203	8M97G7D	0.1786	9M07W7D
15	2577.5 ~ 2612.5	0.2203	13M4G7D	0.1742	13M3W7D
20	2580.0 ~ 2610.0	0.2223	17M8G7D	0.1791	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	0.3556	4M51G7D	0.2877	4M50W7D
10	2501.0 ~ 2685.0	0.3540	8M97G7D	0.2891	9M07W7D
15	2503.5 ~ 2682.5	0.3556	13M4G7D	0.2897	13M3W7D
20	2506.0 ~ 2680.0	0.3589	17M8G7D	0.2924	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	0.1714	28M1G7D	0.1489	28M1W7D
15MHz+15MHz	0.1734	28M7G7D	0.1486	28M7W7D
15MHz+20MHz	0.1742	32M9G7D	0.1521	33M0W7D
15MHz+10MHz	0.1710	23M5G7D	0.1521	23M4W7D
20MHz+10MHz	0.1738	28M1G7D	0.1521	28M0W7D
20MHz+15MHz	0.1750	33M0G7D	0.1528	32M8W7D
20MHz+20MHz	0.1718	37M6G7D	0.1578	37M8W7D
LTE Band 38 CA	QPSK		16QAM/64QAM	
BW (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
15MHz+15MHz	0.1675	28M8G7D	0.1337	28M5W7D
20MHz+20MHz	0.1683	37M6G7D	0.1349	38M0W7D
LTE Band 41 CA	QPSK		16QAM/64QAM	
BW (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
5MHz+20MHz	0.1837	23M4G7D	0.1531	23M2W7D
10MHz+20MHz	0.1832	28M1G7D	0.1531	27M9W7D
10MHz+15MHz	0.1799	23M4G7D	0.1521	23M5W7D
15MHz+15MHz	0.1811	28M8G7D	0.1507	28M5W7D
15MHz+20MHz	0.1824	33M0G7D	0.1531	33M1W7D
15MHz+10MHz	0.1849	23M6G7D	0.1524	23M4W7D
20MHz+5MHz	0.1837	23M4G7D	0.1510	23M3W7D
20MHz+10MHz	0.1799	27M9G7D	0.1538	28M1W7D
20MHz+15MHz	0.1845	33M1G7D	0.1514	32M9W7D
20MHz+20MHz	0.1854	37M6G7D	0.1545	38M0W7D

Note:

1. LTE Band 41/41C overlaps the entire frequency range of LTE Band 38/38C. Therefore, the test results provided in this report covers Band 41/41C as well as Band 38/38C.
2. 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. (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.
	TH01-SZ 03CH02-SZ	CN1256	421272

1.8 Test Software

Item	Site	Manufacture	Name	Version
1.	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(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.



2 Test Configuration of Equipment Under Test

2.1 Test Mode

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

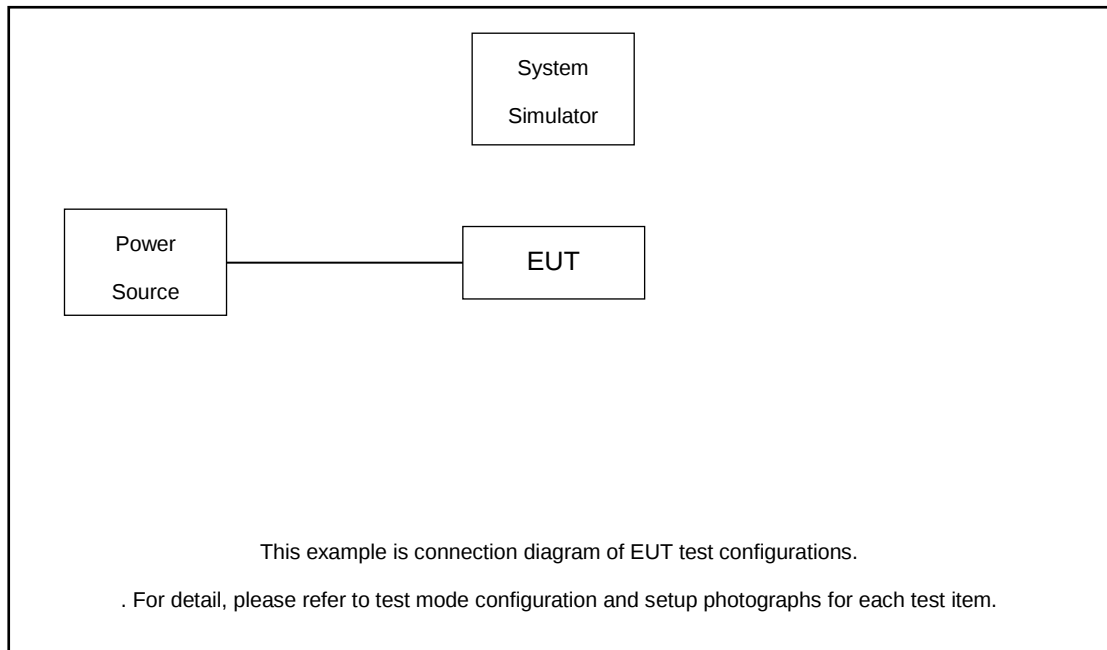
Radiated measurements are performed by rotating the EUT in three different orthogonal test planes to find the maximum emission.

Test Items	Band	Bandwidth (MHz)						Modulation			RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
Max. Output Power	7	-	-	v	v	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	
	41	-	-				v	v	v	v			v		v	
26dB and 99% Bandwidth	7	-	-	v	v	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
	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
	41	-	-	v	v	v	v	v			v			v	v	v
Frequency Stability	7	-	-		v			v					v		v	
	41	-	-		v			v					v		v	
E.I.R.P	7	-	-	v	v	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	
	41	Worst Case													v	
Note	1. The mark “v “ means that this configuration is chosen for testing 2. The mark “-“ means that this bandwidth is not supported. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. 4. All test items are based on engineering evaluation.															



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
	38C_CA	v	-	-	-	-	-	-	v	-	-	v	v	v	v		v	v	v	v
	41C_CA	v	v	v	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	
	41C_CA	v	v	v	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
	41C_CA	v	v	v	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
	41C_CA	v	v	v	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
	38C_CA	v	-	-	-	-	-	-	v	-	-	v	v	v	v		v	v	v	v
	41C_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v		v	v	v	v
Radiated Spurious Emission	7C_CA	Worst Case																	v	
	41C_CA	Worst Case																	v	
Note	1. The mark “v ” means that this configuration is chosen for testing 2. The mark “-“ means that this bandwidth is not supported. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. 4. All test items are based on engineering evaluation.																			

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

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

2.4 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss 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.

Offset = RF cable loss + 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 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



LTE Band 38C_CA Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
20 + 20	PCC	Channel	37850	37901	37952
		Frequency	2580.0	2585.1	2590.2
	SCC	Channel	38048	38099	38150
		Frequency	2599.8	2604.9	2610.0
15+ 15	PCC	Channel	37825	37925	38025
		Frequency	2577.5	2587.5	2597.5
	SCC	Channel	37975	38075	38175
		Frequency	2592.5	2602.5	2612.5

LTE Band 41C_CA Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
20 + 20	PCC	Channel	39750	40521	41292
		Frequency	2506.0	2583.1	2660.2
	SCC	Channel	39948	40719	41490
		Frequency	2525.8	2602.9	2680.0
20 + 15	PCC	Channel	39750	40546	41341
		Frequency	2506.0	2585.6	2665.1
	SCC	Channel	39921	40717	41512
		Frequency	2523.1	2602.7	2682.2
15 + 20	PCC	Channel	39728	40523	41319
		Frequency	2503.8	2593.3	2662.9
	SCC	Channel	39899	40694	41490
		Frequency	2520.9	2600.4	2680.0
20 + 10	PCC	Channel	39750	40571	41391
		Frequency	2506.0	2588.1	2670.1
	SCC	Channel	39894	40715	41535
		Frequency	2520.4	2602.5	2684.5
10 + 20	PCC	Channel	39705	40526	41346
		Frequency	2501.5	2583.6	2665.6
	SCC	Channel	39849	40670	41490
		Frequency	2515.9	2598.0	2680.0



LTE Band 41C_CA Channel and Frequency List					
20 + 5	PCC	Channel	39750	40595	41440
		Frequency	2506.0	2590.5	2675.0
	SCC	Channel	39867	40712	41557
		Frequency	2517.7	2602.2	2686.7
5 + 20	PCC	Channel	39683	40528	41373
		Frequency	2499.3	2583.8	2668.3
	SCC	Channel	39800	40645	41490
		Frequency	2511.0	2595.5	2680.0
15 + 15	PCC	Channel	39725	40545	41365
		Frequency	2503.5	2585.5	2667.5
	SCC	Channel	39875	40695	41515
		Frequency	2518.5	2600.5	2682.5
10 + 15	PCC	Channel	39703	40549	41395
		Frequency	2501.3	2585.9	2670.5
	SCC	Channel	39823	40669	41515
		Frequency	2513.3	2597.9	2682.5
15 + 10	PCC	Channel	39725	40571	41417
		Frequency	2503.5	2588.1	2672.7
	SCC	Channel	39845	40691	41537
		Frequency	2515.5	2600.1	2684.7

3 Conducted Test Items

3.1 Measuring Instruments

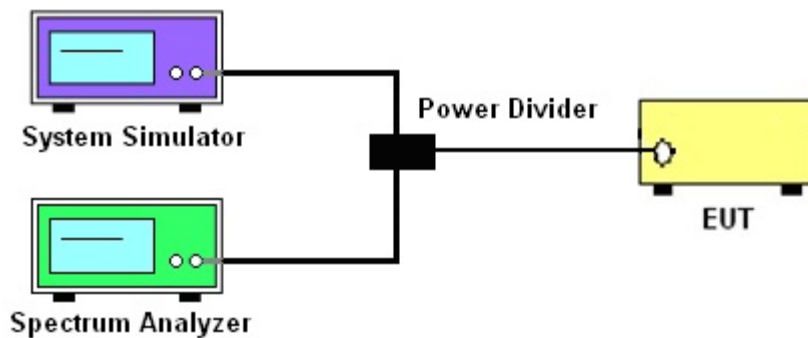
See list of measuring instruments of this test report.

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 EIRP

3.4.1 Description of the Conducted Output Power Measurement and 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 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

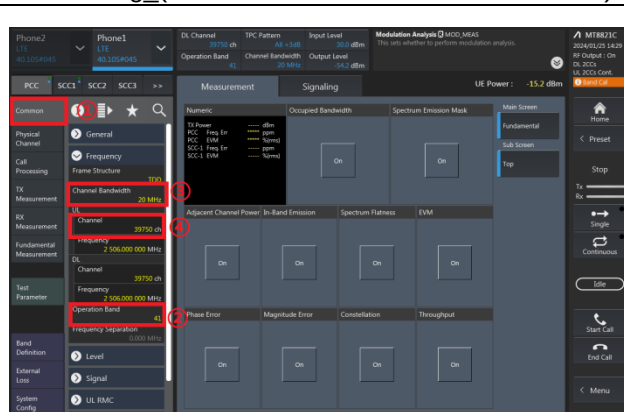
3.4.2 Test Procedures

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.

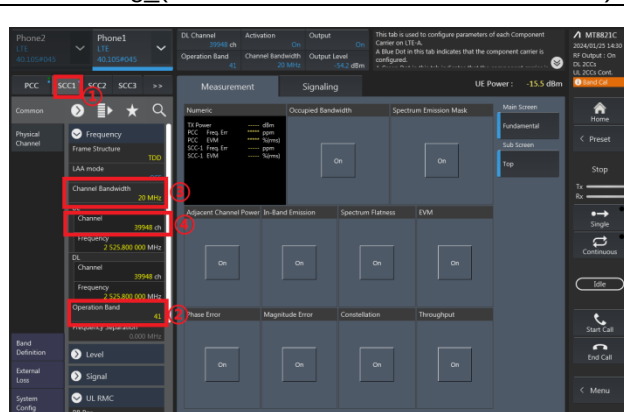
3.4.3 Test Procedures for LTE ULCA

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.

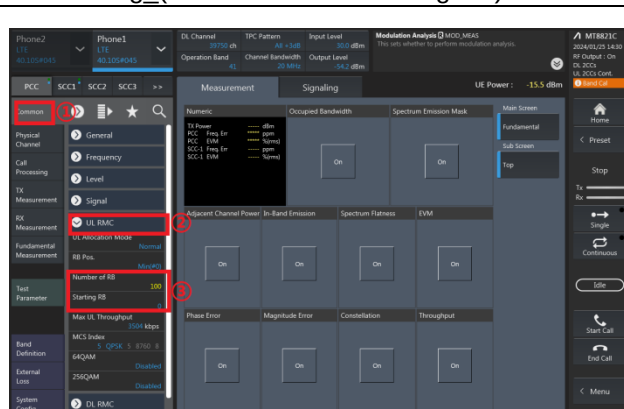
PCC config_ (Channel Bandwidth / Channel / Band)



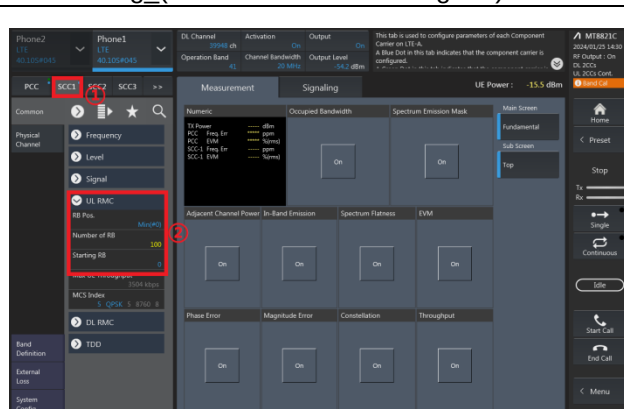
SCC config_ (Channel Bandwidth / Channel / Band)



PCC config_ (Number of RB / Starting RB)

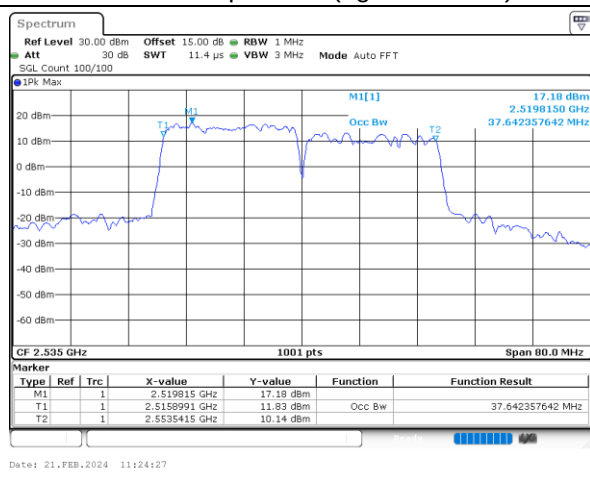


SCC config_ (Number of RB / Starting RB)

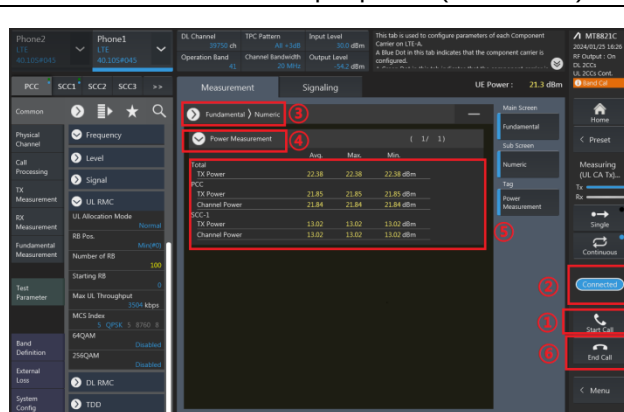


4. Select lowest, middle, and highest channels for each ULCA band and different modulation.
5. Check the ULCA spectrum and record the total power from the system simulator.

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(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 than $43 + 10 \log (P)$ 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 $\geq 1\%$ / 2% 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

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. 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+ 10log(P)] (dB)
= [30+ 10log(P)] (dBm) - [55+ 10log(P)] (dB)
= -25dBm.

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±5°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.

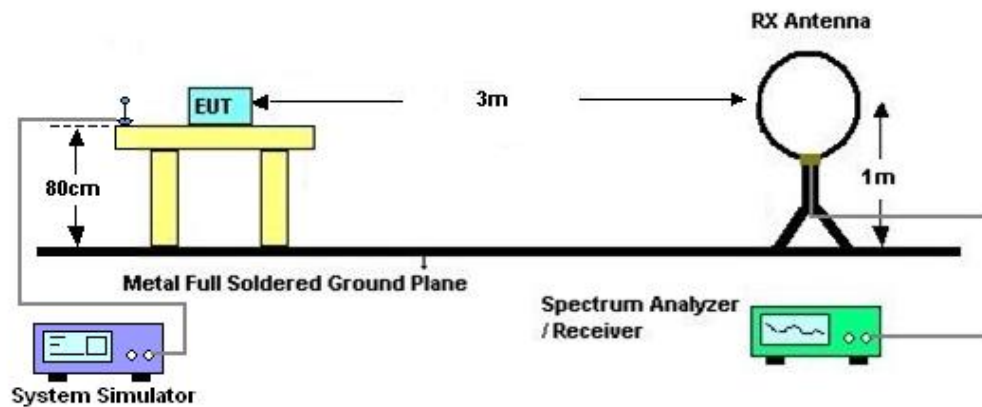
4 Radiated Test Items

4.1 Measuring Instruments

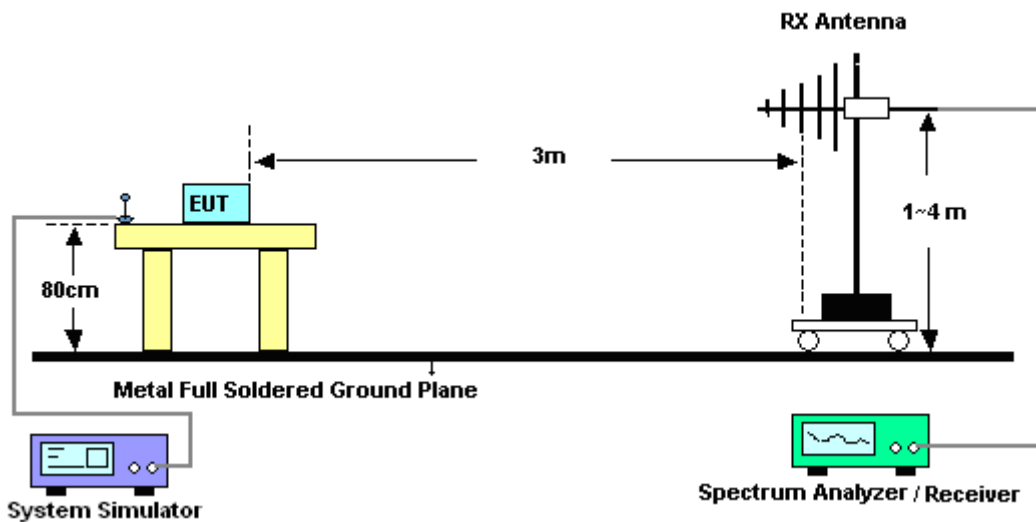
See list of measuring instruments of this test report.

4.2 Test Setup

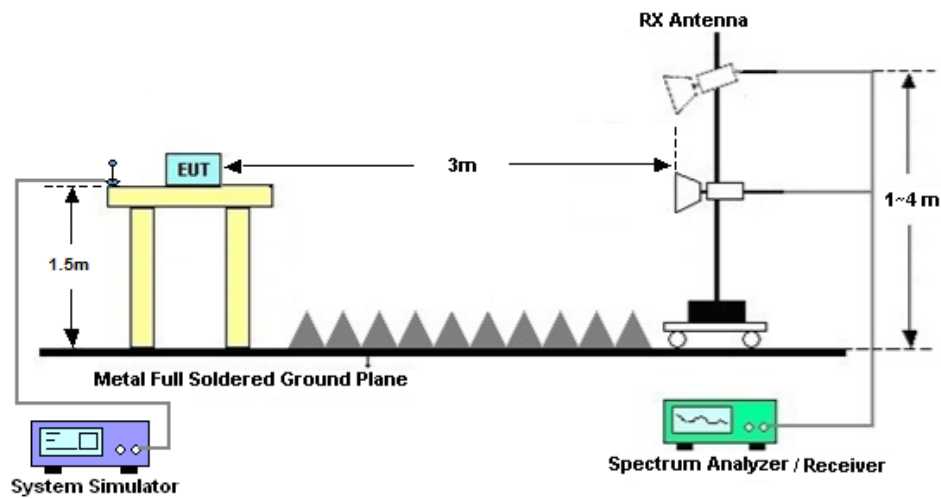
4.2.1 For radiated test below 30MHz



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.

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.

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

4.4.2 Test Procedures

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

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	101078	10Hz~40GHz	Apr. 02, 2025	May 28, 2025~Jun. 06, 2025	Apr. 01, 2026	Conducted (TH01-SZ)
DC Power Supply	TTI	PL330P	290070	Max 32V, 3A	Oct.14, 2024	May 28, 2025~Jun. 06, 2025	Oct. 13, 2025	Conducted (TH01-SZ)
Power Divider	Titan	P02N005180	923402	0.4GHz~26.5GHz	Nov. 08, 2024	May 28, 2025~Jun. 06, 2025	Nov. 07, 2025	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Jul. 03, 2024	May 28, 2025~Jun. 06, 2025	Jul. 02, 2025	Conducted (TH01-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 03, 2024	Jun. 05, 2025~Jun. 16, 2025	Jul. 02, 2025	Radiation (03CH02-SZ)
Loop Antenna	R&S	HFH2-Z2E	101141	9kHz~30MHz	Dec. 28, 2024	Jun. 05, 2025~Jun. 16, 2025	Dec. 27, 2025	Radiation (03CH02-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz-2GHz	Oct. 24, 2023	Jun. 05, 2025~Jun. 16, 2025	Oct. 23, 2025	Radiation (03CH02-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Jul. 04, 2024	Jun. 05, 2025~Jun. 16, 2025	Jul. 04, 2025	Radiation (03CH02-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 03, 2024	Jun. 05, 2025~Jun. 16, 2025	Jul. 03, 2025	Radiation (03CH02-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 03, 2025	Jun. 05, 2025~Jun. 16, 2025	Apr. 02, 2027	Radiation (03CH02-SZ)
LF Amplifier	EM Electronics	EM330	060788	20MHz-3GHz	Dec. 25, 2024	Jun. 05, 2025~Jun. 16, 2025	Dec. 24, 2025	Radiation (03CH02-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270105	0.5GHz~26.5Ghz	Oct. 14, 2024	Jun. 05, 2025~Jun. 16, 2025	Oct. 13, 2025	Radiation (03CH02-SZ)
AC Power Source	Chroma	61601	616010003043	N/A	Oct. 18, 2024	Jun. 05, 2025~Jun. 16, 2025	Oct. 17, 2025	Radiation (03CH02-SZ)
Turn Table	Chaintek	T-200	N/A	0~360 degree	NCR	Jun. 05, 2025~Jun. 16, 2025	NCR	Radiation (03CH02-SZ)
Antenna Mast	Chaintek	MBS-400	N/A	1 m~4 m	NCR	Jun. 05, 2025~Jun. 16, 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	± 1.34 dB
Occupied Channel Bandwidth	± 0.012 MHz
Conducted Power	± 1.34 dB
Peak to Average Ratio	± 1.34 dB
Frequency Stability	± 1.3 Hz

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 :	Khan Zhen	Temperature :	24~26℃
		Relative Humidity :	50~53%

Conducted Output Power(Average power) and EIRP

LTE Band 7_ANT3:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				20850	20850	21350			
Frequency (MHz)				2510	2535	2560	L	M	H
20	QPSK	1	0	24.31	24.41	24.31	0.2296	0.2350	0.2296
20	QPSK	1	49	24.25	24.36	24.24	0.2265	0.2323	0.2259
20	QPSK	1	99	24.30	24.32	24.30	0.2291	0.2301	0.2291
20	QPSK	50	0	23.85	23.96	23.86	0.2065	0.2118	0.2070
20	QPSK	50	24	23.76	23.90	23.83	0.2023	0.2089	0.2056
20	QPSK	50	50	23.81	23.92	23.82	0.2046	0.2099	0.2051
20	QPSK	100	0	23.80	23.93	23.81	0.2042	0.2104	0.2046
20	16QAM	1	0	23.54	23.55	23.54	0.1923	0.1928	0.1923
20	16QAM	1	49	23.65	23.76	23.69	0.1972	0.2023	0.1991
20	16QAM	1	99	23.61	23.67	23.52	0.1954	0.1982	0.1914
20	16QAM	50	0	22.86	22.96	22.89	0.1644	0.1683	0.1656
20	16QAM	50	24	22.87	23.00	22.90	0.1648	0.1698	0.1660
20	16QAM	50	50	22.83	22.92	22.84	0.1633	0.1667	0.1637
20	16QAM	100	0	22.84	22.99	22.85	0.1637	0.1694	0.1641
20	64QAM	1	0	22.44	22.47	22.36	0.1493	0.1503	0.1466
20	64QAM	1	49	22.54	22.68	22.64	0.1528	0.1578	0.1563
20	64QAM	1	99	22.44	22.57	22.42	0.1493	0.1538	0.1486
20	64QAM	50	0	21.91	21.96	21.95	0.1321	0.1337	0.1334
20	64QAM	50	24	21.76	21.90	21.86	0.1276	0.1318	0.1306
20	64QAM	50	50	21.83	21.93	21.83	0.1297	0.1327	0.1297
20	64QAM	100	0	21.98	21.99	21.98	0.1343	0.1346	0.1343
Channel				20825	21100	21375	EIRP(W)		
Frequency (MHz)				2507.5	2535	2562.5	L	M	H
15	QPSK	1	0	24.23	24.33	24.17	0.2254	0.2307	0.2223
15	QPSK	1	37	24.24	24.34	24.15	0.2259	0.2312	0.2213
15	QPSK	1	74	24.24	24.31	24.19	0.2259	0.2296	0.2234
15	QPSK	36	0	23.74	23.81	23.77	0.2014	0.2046	0.2028
15	QPSK	36	20	23.63	23.77	23.76	0.1963	0.2028	0.2023
15	QPSK	36	39	23.66	23.77	23.77	0.1977	0.2028	0.2028
15	QPSK	75	0	23.67	23.89	23.79	0.1982	0.2084	0.2037



15	16QAM	1	0	23.40	23.45	23.50	0.1862	0.1884	0.1905
15	16QAM	1	37	23.51	23.62	23.68	0.1910	0.1959	0.1986
15	16QAM	1	74	23.50	23.54	23.37	0.1905	0.1923	0.1849
15	16QAM	36	0	22.74	22.92	22.87	0.1600	0.1667	0.1648
15	16QAM	36	20	22.76	22.92	22.78	0.1607	0.1667	0.1614
15	16QAM	36	39	22.78	22.80	22.76	0.1614	0.1622	0.1607
15	16QAM	75	0	22.79	22.98	22.80	0.1618	0.1690	0.1622
15	64QAM	1	0	22.41	22.41	22.21	0.1483	0.1483	0.1416
15	64QAM	1	37	22.39	22.63	22.50	0.1476	0.1560	0.1514
15	64QAM	1	74	22.30	22.50	22.28	0.1445	0.1514	0.1439
15	64QAM	36	0	21.81	21.88	21.88	0.1291	0.1312	0.1312
15	64QAM	36	20	21.67	21.78	21.85	0.1250	0.1282	0.1303
15	64QAM	36	39	21.74	21.80	21.73	0.1271	0.1288	0.1268
15	64QAM	75	0	21.83	21.90	21.93	0.1297	0.1318	0.1327
Channel				20800	21100	21400	EIRP(W)		
Frequency (MHz)				2505	2535	2565	L	M	H
10	QPSK	1	0	24.24	24.35	24.26	0.2259	0.2317	0.2270
10	QPSK	1	25	24.23	24.29	24.11	0.2254	0.2286	0.2193
10	QPSK	1	49	24.15	24.20	24.28	0.2213	0.2239	0.2280
10	QPSK	25	0	23.81	23.82	23.73	0.2046	0.2051	0.2009
10	QPSK	25	12	23.63	23.85	23.74	0.1963	0.2065	0.2014
10	QPSK	25	25	23.79	23.85	23.68	0.2037	0.2065	0.1986
10	QPSK	50	0	23.69	23.84	23.73	0.1991	0.2061	0.2009
10	16QAM	1	0	23.43	23.48	23.40	0.1875	0.1897	0.1862
10	16QAM	1	25	23.63	23.75	23.65	0.1963	0.2018	0.1972
10	16QAM	1	49	23.46	23.61	23.49	0.1888	0.1954	0.1901
10	16QAM	25	0	22.83	22.94	22.84	0.1633	0.1675	0.1637
10	16QAM	25	12	22.73	22.89	22.86	0.1596	0.1656	0.1644
10	16QAM	25	25	22.74	22.80	22.82	0.1600	0.1622	0.1629
10	16QAM	50	0	22.71	22.97	22.77	0.1589	0.1687	0.1611
10	64QAM	1	0	22.42	22.32	22.33	0.1486	0.1452	0.1455
10	64QAM	1	25	22.52	22.57	22.63	0.1521	0.1538	0.1560
10	64QAM	1	49	22.29	22.53	22.37	0.1442	0.1524	0.1469
10	64QAM	25	0	21.84	21.89	21.82	0.1300	0.1315	0.1294
10	64QAM	25	12	21.70	21.81	21.77	0.1259	0.1291	0.1279
10	64QAM	25	25	21.70	21.85	21.78	0.1259	0.1303	0.1282
10	64QAM	50	0	21.95	21.84	21.89	0.1334	0.1300	0.1315
Channel				20775	21100	21425	EIRP(W)		
Frequency (MHz)				2502.5	2535	2567.5	L	M	H
5	QPSK	1	0	24.16	24.36	24.16	0.2218	0.2323	0.2218
5	QPSK	1	12	24.19	24.27	24.17	0.2234	0.2275	0.2223
5	QPSK	1	24	24.28	24.22	24.15	0.2280	0.2249	0.2213
5	QPSK	12	0	23.70	23.94	23.79	0.1995	0.2109	0.2037
5	QPSK	12	7	23.62	23.88	23.74	0.1959	0.2080	0.2014
5	QPSK	12	13	23.67	23.83	23.74	0.1982	0.2056	0.2014
5	QPSK	25	0	23.66	23.89	23.66	0.1977	0.2084	0.1977
5	16QAM	1	0	23.43	23.43	23.50	0.1875	0.1875	0.1905



5	16QAM	1	12	23.59	23.64	23.54	0.1945	0.1968	0.1923
5	16QAM	1	24	23.55	23.53	23.45	0.1928	0.1919	0.1884
5	16QAM	12	0	22.84	22.88	22.82	0.1637	0.1652	0.1629
5	16QAM	12	7	22.74	22.95	22.88	0.1600	0.1679	0.1652
5	16QAM	12	13	22.68	22.81	22.74	0.1578	0.1626	0.1600
5	16QAM	25	0	22.69	22.94	22.75	0.1581	0.1675	0.1603
5	64QAM	1	0	22.35	22.32	22.30	0.1462	0.1452	0.1445
5	64QAM	1	12	22.43	22.67	22.60	0.1489	0.1574	0.1549
5	64QAM	1	24	22.36	22.43	22.33	0.1466	0.1489	0.1455
5	64QAM	12	0	21.77	21.93	21.84	0.1279	0.1327	0.1300
5	64QAM	12	7	21.70	21.86	21.74	0.1259	0.1306	0.1271
5	64QAM	12	13	21.71	21.83	21.77	0.1262	0.1297	0.1279
5	64QAM	25	0	21.87	21.91	21.97	0.1309	0.1321	0.1340

LTE Band 38_ANT4:

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	24.44	24.47	24.46	0.2208	0.2223	0.2218
20	QPSK	1	49	24.37	24.44	24.33	0.2173	0.2208	0.2153
20	QPSK	1	99	24.33	24.38	24.32	0.2153	0.2178	0.2148
20	QPSK	50	0	23.43	23.50	23.45	0.1750	0.1778	0.1758
20	QPSK	50	24	23.34	23.44	23.40	0.1714	0.1754	0.1738
20	QPSK	50	50	23.40	23.48	23.37	0.1738	0.1770	0.1726
20	QPSK	100	0	23.31	23.40	23.26	0.1702	0.1738	0.1683
20	16QAM	1	0	23.42	23.45	23.36	0.1746	0.1758	0.1722
20	16QAM	1	49	23.37	23.45	23.30	0.1726	0.1758	0.1698
20	16QAM	1	99	23.44	23.53	23.45	0.1754	0.1791	0.1758
20	16QAM	50	0	22.29	22.37	22.35	0.1346	0.1371	0.1365
20	16QAM	50	24	22.46	22.47	22.40	0.1400	0.1403	0.1380
20	16QAM	50	50	22.37	22.44	22.33	0.1371	0.1393	0.1358
20	16QAM	100	0	22.34	22.48	22.46	0.1361	0.1406	0.1400
20	64QAM	1	0	21.85	21.96	21.95	0.1216	0.1247	0.1245
20	64QAM	1	49	22.56	22.70	22.55	0.1432	0.1479	0.1429
20	64QAM	1	99	22.14	22.22	22.20	0.1300	0.1324	0.1318
20	64QAM	50	0	21.38	21.42	21.39	0.1091	0.1102	0.1094
20	64QAM	50	24	21.43	21.45	21.31	0.1104	0.1109	0.1074
20	64QAM	50	50	21.34	21.44	21.42	0.1081	0.1107	0.1102
20	64QAM	100	0	21.33	21.43	21.41	0.1079	0.1104	0.1099
Channel				37825	38000	38175	EIRP(W)		
Frequency (MHz)				2577.5	2595	2612.5	L	M	H
15	QPSK	1	0	24.40	24.39	24.43	0.2188	0.2183	0.2203
15	QPSK	1	37	24.28	24.32	24.18	0.2128	0.2148	0.2080
15	QPSK	1	74	24.27	24.29	24.26	0.2123	0.2133	0.2118
15	QPSK	36	0	23.42	23.40	23.35	0.1746	0.1738	0.1718



15	QPSK	36	20	23.20	23.30	23.39	0.1660	0.1698	0.1734
15	QPSK	36	39	23.30	23.33	23.32	0.1698	0.1710	0.1706
15	QPSK	75	0	23.26	23.37	23.13	0.1683	0.1726	0.1633
15	16QAM	1	0	23.31	23.37	23.26	0.1702	0.1726	0.1683
15	16QAM	1	37	23.31	23.35	23.29	0.1702	0.1718	0.1694
15	16QAM	1	74	23.39	23.41	23.39	0.1734	0.1742	0.1734
15	16QAM	36	0	22.14	22.22	22.26	0.1300	0.1324	0.1337
15	16QAM	36	20	22.40	22.41	22.28	0.1380	0.1384	0.1343
15	16QAM	36	39	22.29	22.31	22.23	0.1346	0.1352	0.1327
15	16QAM	75	0	22.26	22.40	22.39	0.1337	0.1380	0.1377
15	64QAM	1	0	21.84	21.86	21.88	0.1213	0.1219	0.1225
15	64QAM	1	37	22.48	22.55	22.45	0.1406	0.1429	0.1396
15	64QAM	1	74	22.03	22.14	22.13	0.1268	0.1300	0.1297
15	64QAM	36	0	21.29	21.36	21.29	0.1069	0.1086	0.1069
15	64QAM	36	20	21.31	21.40	21.17	0.1074	0.1096	0.1040
15	64QAM	36	39	21.23	21.30	21.35	0.1054	0.1072	0.1084
15	64QAM	75	0	21.25	21.42	21.39	0.1059	0.1102	0.1094
Channel				37800	38000	38200	EIRP(W)		
Frequency (MHz)				2575	2595	2615	L	M	H
10	QPSK	1	0	24.43	24.32	24.31	0.2203	0.2148	0.2143
10	QPSK	1	25	24.33	24.37	24.30	0.2153	0.2173	0.2138
10	QPSK	1	49	24.18	24.25	24.17	0.2080	0.2113	0.2075
10	QPSK	25	0	23.32	23.37	23.38	0.1706	0.1726	0.1730
10	QPSK	25	12	23.33	23.40	23.28	0.1710	0.1738	0.1690
10	QPSK	25	25	23.35	23.42	23.27	0.1718	0.1746	0.1687
10	QPSK	50	0	23.22	23.36	23.23	0.1667	0.1722	0.1671
10	16QAM	1	0	23.38	23.33	23.26	0.1730	0.1710	0.1683
10	16QAM	1	25	23.22	23.37	23.29	0.1667	0.1726	0.1694
10	16QAM	1	49	23.42	23.52	23.37	0.1746	0.1786	0.1726
10	16QAM	25	0	22.22	22.24	22.20	0.1324	0.1330	0.1318
10	16QAM	25	12	22.32	22.41	22.37	0.1355	0.1384	0.1371
10	16QAM	25	25	22.28	22.35	22.23	0.1343	0.1365	0.1327
10	16QAM	50	0	22.33	22.44	22.45	0.1358	0.1393	0.1396
10	64QAM	1	0	21.82	21.88	21.90	0.1208	0.1225	0.1230
10	64QAM	1	25	22.50	22.59	22.43	0.1413	0.1442	0.1390
10	64QAM	1	49	21.99	22.19	22.10	0.1256	0.1315	0.1288
10	64QAM	25	0	21.33	21.38	21.29	0.1079	0.1091	0.1069
10	64QAM	25	12	21.32	21.38	21.29	0.1076	0.1091	0.1069
10	64QAM	25	25	21.20	21.37	21.36	0.1047	0.1089	0.1086
10	64QAM	50	0	21.19	21.32	21.38	0.1045	0.1076	0.1091
Channel				37775	38000	38225	EIRP(W)		
Frequency (MHz)				2572.5	2595	2617.5	L	M	H
5	QPSK	1	0	24.30	24.35	24.45	0.2138	0.2163	0.2213
5	QPSK	1	12	24.28	24.38	24.25	0.2128	0.2178	0.2113
5	QPSK	1	24	24.32	24.28	24.28	0.2148	0.2128	0.2128
5	QPSK	12	0	23.42	23.44	23.33	0.1746	0.1754	0.1710
5	QPSK	12	7	23.32	23.35	23.30	0.1706	0.1718	0.1698
5	QPSK	12	13	23.38	23.46	23.25	0.1730	0.1762	0.1679



5	QPSK	25	0	23.16	23.27	23.17	0.1644	0.1687	0.1648
5	16QAM	1	0	23.30	23.41	23.35	0.1698	0.1742	0.1718
5	16QAM	1	12	23.28	23.30	23.26	0.1690	0.1698	0.1683
5	16QAM	1	24	23.40	23.49	23.41	0.1738	0.1774	0.1742
5	16QAM	12	0	22.24	22.34	22.29	0.1330	0.1361	0.1346
5	16QAM	12	7	22.32	22.40	22.33	0.1355	0.1380	0.1358
5	16QAM	12	13	22.35	22.39	22.32	0.1365	0.1377	0.1355
5	16QAM	25	0	22.21	22.34	22.38	0.1321	0.1361	0.1374
5	64QAM	1	0	21.72	21.83	21.81	0.1180	0.1211	0.1205
5	64QAM	1	12	22.42	22.59	22.48	0.1387	0.1442	0.1406
5	64QAM	1	24	22.07	22.19	22.07	0.1279	0.1315	0.1279
5	64QAM	12	0	21.32	21.31	21.24	0.1076	0.1074	0.1057
5	64QAM	12	7	21.37	21.37	21.27	0.1089	0.1089	0.1064
5	64QAM	12	13	21.23	21.31	21.27	0.1054	0.1074	0.1064
5	64QAM	25	0	21.22	21.38	21.39	0.1052	0.1091	0.1094

LTE Band 41_ANT4:

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	26.39	26.55	26.49	0.3459	0.3589	0.3540
20	QPSK	1	49	26.28	26.37	26.22	0.3373	0.3443	0.3327
20	QPSK	1	99	26.30	26.42	26.37	0.3388	0.3483	0.3443
20	QPSK	50	0	25.37	25.46	25.36	0.2735	0.2793	0.2729
20	QPSK	50	24	25.36	25.42	25.29	0.2729	0.2767	0.2685
20	QPSK	50	50	25.35	25.40	25.34	0.2723	0.2754	0.2716
20	QPSK	100	0	25.37	25.45	25.43	0.2735	0.2786	0.2773
20	16QAM	1	0	25.51	25.64	25.50	0.2825	0.2911	0.2818
20	16QAM	1	49	25.47	25.59	25.51	0.2799	0.2877	0.2825
20	16QAM	1	99	25.64	25.66	25.57	0.2911	0.2924	0.2864
20	16QAM	50	0	24.31	24.46	24.40	0.2143	0.2218	0.2188
20	16QAM	50	24	24.35	24.47	24.46	0.2163	0.2223	0.2218
20	16QAM	50	50	24.42	24.52	24.47	0.2198	0.2249	0.2223
20	16QAM	100	0	24.41	24.46	24.33	0.2193	0.2218	0.2153
20	64QAM	1	0	24.38	24.48	24.33	0.2178	0.2228	0.2153
20	64QAM	1	49	24.52	24.53	24.38	0.2249	0.2254	0.2178
20	64QAM	1	99	24.47	24.55	24.45	0.2223	0.2265	0.2213
20	64QAM	50	0	23.31	23.44	23.41	0.1702	0.1754	0.1742
20	64QAM	50	24	23.32	23.45	23.40	0.1706	0.1758	0.1738
20	64QAM	50	50	23.32	23.45	23.37	0.1706	0.1758	0.1726
20	64QAM	100	0	23.41	23.42	23.35	0.1742	0.1746	0.1718
Channel				39725	40620	41515	EIRP(W)		
Frequency (MHz)				2503.5	2593	2682.5	L	M	H
15	QPSK	1	0	26.35	26.51	26.47	0.3428	0.3556	0.3524
15	QPSK	1	37	26.16	26.24	26.16	0.3281	0.3342	0.3281



15	QPSK	1	74	26.19	26.35	26.23	0.3304	0.3428	0.3334
15	QPSK	36	0	25.28	25.45	25.30	0.2679	0.2786	0.2692
15	QPSK	36	20	25.33	25.27	25.23	0.2710	0.2673	0.2649
15	QPSK	36	39	25.25	25.25	25.29	0.2661	0.2661	0.2685
15	QPSK	75	0	25.25	25.41	25.28	0.2661	0.2761	0.2679
15	16QAM	1	0	25.47	25.62	25.47	0.2799	0.2897	0.2799
15	16QAM	1	37	25.46	25.44	25.43	0.2793	0.2780	0.2773
15	16QAM	1	74	25.54	25.58	25.56	0.2844	0.2871	0.2858
15	16QAM	36	0	24.18	24.33	24.34	0.2080	0.2153	0.2158
15	16QAM	36	20	24.26	24.41	24.41	0.2118	0.2193	0.2193
15	16QAM	36	39	24.38	24.50	24.36	0.2178	0.2239	0.2168
15	16QAM	75	0	24.35	24.43	24.28	0.2163	0.2203	0.2128
15	64QAM	1	0	24.25	24.43	24.26	0.2113	0.2203	0.2118
15	64QAM	1	37	24.38	24.39	24.23	0.2178	0.2183	0.2104
15	64QAM	1	74	24.36	24.42	24.37	0.2168	0.2198	0.2173
15	64QAM	36	0	23.29	23.30	23.32	0.1694	0.1698	0.1706
15	64QAM	36	20	23.28	23.31	23.37	0.1690	0.1702	0.1726
15	64QAM	36	39	23.24	23.38	23.35	0.1675	0.1730	0.1718
15	64QAM	75	0	23.37	23.39	23.28	0.1726	0.1734	0.1690
Channel				39700	40620	41540	EIRP(W)		
Frequency (MHz)				2501	2593	2685	L	M	H
10	QPSK	1	0	26.24	26.49	26.43	0.3342	0.3540	0.3491
10	QPSK	1	25	26.26	26.33	26.09	0.3357	0.3412	0.3228
10	QPSK	1	49	26.29	26.37	26.22	0.3381	0.3443	0.3327
10	QPSK	25	0	25.30	25.44	25.24	0.2692	0.2780	0.2655
10	QPSK	25	12	25.31	25.35	25.25	0.2698	0.2723	0.2661
10	QPSK	25	25	25.21	25.35	25.22	0.2636	0.2723	0.2642
10	QPSK	50	0	25.34	25.34	25.35	0.2716	0.2716	0.2723
10	16QAM	1	0	25.36	25.61	25.48	0.2729	0.2891	0.2805
10	16QAM	1	25	25.41	25.57	25.47	0.2761	0.2864	0.2799
10	16QAM	1	49	25.51	25.52	25.50	0.2825	0.2831	0.2818
10	16QAM	25	0	24.19	24.41	24.36	0.2084	0.2193	0.2168
10	16QAM	25	12	24.24	24.43	24.31	0.2109	0.2203	0.2143
10	16QAM	25	25	24.30	24.43	24.40	0.2138	0.2203	0.2188
10	16QAM	50	0	24.26	24.37	24.31	0.2118	0.2173	0.2143
10	64QAM	1	0	24.28	24.46	24.26	0.2128	0.2218	0.2118
10	64QAM	1	25	24.43	24.47	24.26	0.2203	0.2223	0.2118
10	64QAM	1	49	24.40	24.40	24.42	0.2188	0.2188	0.2198
10	64QAM	25	0	23.28	23.43	23.37	0.1690	0.1750	0.1726
10	64QAM	25	12	23.17	23.40	23.35	0.1648	0.1738	0.1718
10	64QAM	25	25	23.28	23.34	23.24	0.1690	0.1714	0.1675
10	64QAM	50	0	23.36	23.29	23.29	0.1722	0.1694	0.1694
Channel				39675	40620	41565	EIRP(W)		
Frequency (MHz)				2498.5	2593	2687.5	L	M	H
5	QPSK	1	0	26.34	26.51	26.41	0.3420	0.3556	0.3475
5	QPSK	1	12	26.22	26.34	26.14	0.3327	0.3420	0.3266
5	QPSK	1	24	26.19	26.41	26.31	0.3304	0.3475	0.3396
5	QPSK	12	0	25.32	25.44	25.28	0.2704	0.2780	0.2679



5	QPSK	12	7	25.32	25.27	25.14	0.2704	0.2673	0.2594
5	QPSK	12	13	25.22	25.25	25.31	0.2642	0.2661	0.2698
5	QPSK	25	0	25.27	25.35	25.42	0.2673	0.2723	0.2767
5	16QAM	1	0	25.36	25.59	25.40	0.2729	0.2877	0.2754
5	16QAM	1	12	25.44	25.57	25.42	0.2780	0.2864	0.2767
5	16QAM	1	24	25.50	25.58	25.55	0.2818	0.2871	0.2851
5	16QAM	12	0	24.28	24.32	24.35	0.2128	0.2148	0.2163
5	16QAM	12	7	24.23	24.38	24.39	0.2104	0.2178	0.2183
5	16QAM	12	13	24.29	24.45	24.38	0.2133	0.2213	0.2178
5	16QAM	25	0	24.36	24.31	24.32	0.2168	0.2143	0.2148
5	64QAM	1	0	24.24	24.34	24.29	0.2109	0.2158	0.2133
5	64QAM	1	12	24.48	24.49	24.30	0.2228	0.2234	0.2138
5	64QAM	1	24	24.37	24.54	24.31	0.2173	0.2259	0.2143
5	64QAM	12	0	23.30	23.38	23.34	0.1698	0.1730	0.1714
5	64QAM	12	7	23.24	23.32	23.25	0.1675	0.1706	0.1679
5	64QAM	12	13	23.31	23.38	23.23	0.1702	0.1730	0.1671
5	64QAM	25	0	23.36	23.36	23.27	0.1722	0.1722	0.1687



LTE CA_7C_ANT4:

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	21.03	0.1079
	QPSK	1	0	1	Max	14.67	0.0249
	QPSK	1	Max	1	0	23.04	0.1714
M 21001_21199	QPSK	Max	0	Max	0	21.07	0.1089
	QPSK	1	0	1	Max	14.68	0.0250
	QPSK	1	Max	1	0	23.05	0.1718
H 21152_21350	QPSK	Max	0	Max	0	20.98	0.1067
	QPSK	1	0	1	Max	14.62	0.0247
	QPSK	1	Max	1	0	22.94	0.1675
L 20850_21048	16QAM	Max	0	Max	0	20.03	0.0857
	16QAM	1	0	1	Max	15.35	0.0292
	16QAM	1	Max	1	0	22.49	0.1510
M 21001_21199	16QAM	Max	0	Max	0	20.11	0.0873
	16QAM	1	0	1	Max	15.48	0.0301
	16QAM	1	Max	1	0	22.68	0.1578
H 21152_21350	16QAM	Max	0	Max	0	19.97	0.0845
	16QAM	1	0	1	Max	15.46	0.0299
	16QAM	1	Max	1	0	22.55	0.1531
L 20850_21048	64QAM	Max	0	Max	0	20.08	0.0867
	64QAM	1	0	1	Max	15.09	0.0275
	64QAM	1	Max	1	0	20.45	0.0944
M 21001_21199	64QAM	Max	0	Max	0	20.03	0.0857
	64QAM	1	0	1	Max	15.11	0.0276
	64QAM	1	Max	1	0	20.42	0.0938
H 21152_21350	64QAM	Max	0	Max	0	19.95	0.0841
	64QAM	1	0	1	Max	14.96	0.0267
	64QAM	1	Max	1	0	20.39	0.0931
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	21.03	0.1079
	QPSK	1	0	1	Max	14.67	0.0249
	QPSK	1	Max	1	0	23.04	0.1714
M 21026_21197	QPSK	Max	0	Max	0	21.03	0.1079
	QPSK	1	0	1	Max	14.72	0.0252
	QPSK	1	Max	1	0	23.13	0.1750
H 21201_21372	QPSK	Max	0	Max	0	21.06	0.1086
	QPSK	1	0	1	Max	14.71	0.0252
	QPSK	1	Max	1	0	23.10	0.1738
L 20850_21021	16QAM	Max	0	Max	0	20.03	0.0857
	16QAM	1	0	1	Max	15.35	0.0292
	16QAM	1	Max	1	0	22.49	0.1510
M 21026_21197	16QAM	Max	0	Max	0	20.02	0.0855
	16QAM	1	0	1	Max	15.42	0.0296
	16QAM	1	Max	1	0	22.54	0.1528
H	16QAM	Max	0	Max	0	20.03	0.0857



21201_21372	16QAM	1	0	1	Max	15.44	0.0298
	16QAM	1	Max	1	0	22.53	0.1524
L 20850_21021	64QAM	Max	0	Max	0	20.08	0.0867
	64QAM	1	0	1	Max	15.09	0.0275
	64QAM	1	Max	1	0	20.45	0.0944
M 21026_21197	64QAM	Max	0	Max	0	20.03	0.0857
	64QAM	1	0	1	Max	15.05	0.0272
	64QAM	1	Max	1	0	20.42	0.0938
H 21201_21372	64QAM	Max	0	Max	0	20.15	0.0881
	64QAM	1	0	1	Max	15.08	0.0274
	64QAM	1	Max	1	0	20.46	0.0946
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	20.91	0.1050
	QPSK	1	0	1	Max	14.62	0.0247
	QPSK	1	Max	1	0	22.99	0.1694
M 21003_21174	QPSK	Max	0	Max	0	20.91	0.1050
	QPSK	1	0	1	Max	14.67	0.0249
	QPSK	1	Max	1	0	23.11	0.1742
H 21179_21350	QPSK	Max	0	Max	0	21.03	0.1079
	QPSK	1	0	1	Max	14.67	0.0249
	QPSK	1	Max	1	0	23.08	0.1730
L 20828_20999	16QAM	Max	0	Max	0	19.92	0.0836
	16QAM	1	0	1	Max	15.28	0.0287
	16QAM	1	Max	1	0	22.35	0.1462
M 21003_21174	16QAM	Max	0	Max	0	19.97	0.0845
	16QAM	1	0	1	Max	15.35	0.0292
	16QAM	1	Max	1	0	22.52	0.1521
H 21179_21350	16QAM	Max	0	Max	0	19.88	0.0828
	16QAM	1	0	1	Max	15.39	0.0294
	16QAM	1	Max	1	0	22.38	0.1472
L 20828_20999	64QAM	Max	0	Max	0	19.95	0.0841
	64QAM	1	0	1	Max	15.02	0.0270
	64QAM	1	Max	1	0	20.30	0.0912
M 21003_21174	64QAM	Max	0	Max	0	19.93	0.0838
	64QAM	1	0	1	Max	14.95	0.0266
	64QAM	1	Max	1	0	20.38	0.0929
H 21179_21350	64QAM	Max	0	Max	0	20.10	0.0871
	64QAM	1	0	1	Max	14.98	0.0268
	64QAM	1	Max	1	0	20.37	0.0927
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	20.98	0.1067
	QPSK	1	0	1	Max	14.60	0.0245
	QPSK	1	Max	1	0	22.96	0.1683
M 21025_21175	QPSK	Max	0	Max	0	20.95	0.1059
	QPSK	1	0	1	Max	14.59	0.0245
	QPSK	1	Max	1	0	23.09	0.1734



H 21225_21375	QPSK	Max	0	Max	0	20.95	0.1059
	QPSK	1	0	1	Max	14.57	0.0244
	QPSK	1	Max	1	0	23.03	0.1710
L 20825_20975	16QAM	Max	0	Max	0	19.89	0.0830
	16QAM	1	0	1	Max	15.33	0.0290
	16QAM	1	Max	1	0	22.39	0.1476
M 21025_21175	16QAM	Max	0	Max	0	19.98	0.0847
	16QAM	1	0	1	Max	15.30	0.0288
	16QAM	1	Max	1	0	22.42	0.1486
H 21225_21375	16QAM	Max	0	Max	0	19.98	0.0847
	16QAM	1	0	1	Max	15.32	0.0290
	16QAM	1	Max	1	0	22.42	0.1486
L 20825_20975	64QAM	Max	0	Max	0	19.93	0.0838
	64QAM	1	0	1	Max	15.03	0.0271
	64QAM	1	Max	1	0	20.37	0.0927
M 21025_21175	64QAM	Max	0	Max	0	19.92	0.0836
	64QAM	1	0	1	Max	15.03	0.0271
	64QAM	1	Max	1	0	20.41	0.0935
H 21225_21375	64QAM	Max	0	Max	0	20.13	0.0877
	64QAM	1	0	1	Max	15.03	0.0271
	64QAM	1	Max	1	0	20.38	0.0929
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	20.98	0.1067
	QPSK	1	0	1	Max	14.64	0.0248
	QPSK	1	Max	1	0	22.90	0.1660
M 21051_21195	QPSK	Max	0	Max	0	20.94	0.1057
	QPSK	1	0	1	Max	14.65	0.0248
	QPSK	1	Max	1	0	23.10	0.1738
H 21251_21395	QPSK	Max	0	Max	0	21.02	0.1076
	QPSK	1	0	1	Max	14.56	0.0243
	QPSK	1	Max	1	0	22.97	0.1687
L 20850_20994	16QAM	Max	0	Max	0	19.94	0.0839
	16QAM	1	0	1	Max	15.24	0.0284
	16QAM	1	Max	1	0	22.42	0.1486
M 21051_21195	16QAM	Max	0	Max	0	19.90	0.0832
	16QAM	1	0	1	Max	15.34	0.0291
	16QAM	1	Max	1	0	22.45	0.1496
H 21251_21395	16QAM	Max	0	Max	0	19.98	0.0847
	16QAM	1	0	1	Max	15.38	0.0294
	16QAM	1	Max	1	0	22.52	0.1521
L 20850_20994	64QAM	Max	0	Max	0	19.98	0.0847
	64QAM	1	0	1	Max	14.96	0.0267
	64QAM	1	Max	1	0	20.32	0.0916
M 21051_21195	64QAM	Max	0	Max	0	19.96	0.0843
	64QAM	1	0	1	Max	14.91	0.0264
	64QAM	1	Max	1	0	20.40	0.0933
H 21251_21395	64QAM	Max	0	Max	0	20.13	0.0877
	64QAM	1	0	1	Max	14.98	0.0268



	64QAM	1	Max	1	0	20.31	0.0914
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	20.91	0.1050
	QPSK	1	0	1	Max	14.63	0.0247
	QPSK	1	Max	1	0	22.90	0.1660
M 21006_21150	QPSK	Max	0	Max	0	20.89	0.1045
	QPSK	1	0	1	Max	14.67	0.0249
	QPSK	1	Max	1	0	23.01	0.1702
H 21206_21350	QPSK	Max	0	Max	0	20.99	0.1069
	QPSK	1	0	1	Max	14.66	0.0249
	QPSK	1	Max	1	0	23.04	0.1714
L 20805_20949	16QAM	Max	0	Max	0	20.00	0.0851
	16QAM	1	0	1	Max	15.25	0.0285
	16QAM	1	Max	1	0	22.43	0.1489
M 21006_21150	16QAM	Max	0	Max	0	19.92	0.0836
	16QAM	1	0	1	Max	15.31	0.0289
	16QAM	1	Max	1	0	22.43	0.1489
H 21206_21350	16QAM	Max	0	Max	0	19.98	0.0847
	16QAM	1	0	1	Max	15.32	0.0290
	16QAM	1	Max	1	0	22.43	0.1489
L 20805_20949	64QAM	Max	0	Max	0	19.96	0.0843
	64QAM	1	0	1	Max	15.08	0.0274
	64QAM	1	Max	1	0	20.37	0.0927
M 21006_21150	64QAM	Max	0	Max	0	19.99	0.0849
	64QAM	1	0	1	Max	15.02	0.0270
	64QAM	1	Max	1	0	20.28	0.0908
H 21206_21350	64QAM	Max	0	Max	0	20.05	0.0861
	64QAM	1	0	1	Max	15.00	0.0269
	64QAM	1	Max	1	0	20.39	0.0931
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	20.96	0.1062
	QPSK	1	0	1	Max	14.55	0.0243
	QPSK	1	Max	1	0	22.89	0.1656
M 21051_21171	QPSK	Max	0	Max	0	20.96	0.1062
	QPSK	1	0	1	Max	14.69	0.0251
	QPSK	1	Max	1	0	23.03	0.1710
H 21277_21397	QPSK	Max	0	Max	0	20.93	0.1054
	QPSK	1	0	1	Max	14.56	0.0243
	QPSK	1	Max	1	0	23.02	0.1706
L 20825_20945	16QAM	Max	0	Max	0	19.96	0.0843
	16QAM	1	0	1	Max	15.28	0.0287
	16QAM	1	Max	1	0	22.48	0.1507
M 21051_21171	16QAM	Max	0	Max	0	19.91	0.0834
	16QAM	1	0	1	Max	15.33	0.0290
	16QAM	1	Max	1	0	22.40	0.1479
H	16QAM	Max	0	Max	0	20.01	0.0853



21277_21397	16QAM	1	0	1	Max	15.36	0.0292
	16QAM	1	Max	1	0	22.52	0.1521
L 20825_20945	64QAM	Max	0	Max	0	20.00	0.0851
	64QAM	1	0	1	Max	15.03	0.0271
	64QAM	1	Max	1	0	20.39	0.0931
M 21051_21171	64QAM	Max	0	Max	0	19.96	0.0843
	64QAM	1	0	1	Max	14.94	0.0265
	64QAM	1	Max	1	0	20.31	0.0914
H 21277_21397	64QAM	Max	0	Max	0	20.14	0.0879
	64QAM	1	0	1	Max	15.06	0.0273
	64QAM	1	Max	1	0	20.40	0.0933

LTE CA_38C_ANT4:

Combination 20MHz+20MHz (100RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 37850_38048	QPSK	Max	0	Max	0	21.25	0.1059
	QPSK	1	0	1	Max	14.71	0.0235
	QPSK	1	Max	1	0	23.19	0.1656
M 37901_38099	QPSK	Max	0	Max	0	21.32	0.1076
	QPSK	1	0	1	Max	14.66	0.0232
	QPSK	1	Max	1	0	23.26	0.1683
H 37952_38150	QPSK	Max	0	Max	0	21.28	0.1067
	QPSK	1	0	1	Max	14.76	0.0238
	QPSK	1	Max	1	0	23.22	0.1667
L 37850_38048	16QAM	Max	0	Max	0	20.30	0.0851
	16QAM	1	0	1	Max	14.69	0.0234
	16QAM	1	Max	1	0	22.27	0.1340
M 37901_38099	16QAM	Max	0	Max	0	20.26	0.0843
	16QAM	1	0	1	Max	14.71	0.0235
	16QAM	1	Max	1	0	22.30	0.1349
H 37952_38150	16QAM	Max	0	Max	0	20.36	0.0863
	16QAM	1	0	1	Max	14.77	0.0238
	16QAM	1	Max	1	0	22.23	0.1327
L 37850_38048	64QAM	Max	0	Max	0	20.29	0.0849
	64QAM	1	0	1	Max	14.50	0.0224
	64QAM	1	Max	1	0	20.12	0.0817
M 37901_38099	64QAM	Max	0	Max	0	20.28	0.0847
	64QAM	1	0	1	Max	14.59	0.0229
	64QAM	1	Max	1	0	20.12	0.0817
H 37952_38150	64QAM	Max	0	Max	0	20.28	0.0847
	64QAM	1	0	1	Max	14.57	0.0228
	64QAM	1	Max	1	0	20.20	0.0832
Combination 15MHz+15MHz (75RB+75RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 37825_37975	QPSK	Max	0	Max	0	21.14	0.1033
	QPSK	1	0	1	Max	14.60	0.0229



	QPSK	1	Max	1	0	23.08	0.1614
M 37925_38075	QPSK	Max	0	Max	0	21.28	0.1067
	QPSK	1	0	1	Max	14.56	0.0227
	QPSK	1	Max	1	0	23.24	0.1675
	QPSK	Max	0	Max	0	21.26	0.1062
H 38025_38175	QPSK	1	0	1	Max	14.74	0.0237
	QPSK	1	Max	1	0	23.13	0.1633
	16QAM	Max	0	Max	0	20.24	0.0839
L 37825_37975	16QAM	1	0	1	Max	14.59	0.0229
	16QAM	1	Max	1	0	22.25	0.1334
	16QAM	Max	0	Max	0	20.15	0.0822
M 37925_38075	16QAM	1	0	1	Max	14.59	0.0229
	16QAM	1	Max	1	0	22.26	0.1337
	16QAM	Max	0	Max	0	20.30	0.0851
H 38025_38175	16QAM	1	0	1	Max	14.74	0.0237
	16QAM	1	Max	1	0	22.20	0.1318
	64QAM	Max	0	Max	0	20.19	0.0830
L 37825_37975	64QAM	1	0	1	Max	14.41	0.0219
	64QAM	1	Max	1	0	20.02	0.0798
	64QAM	Max	0	Max	0	20.18	0.0828
M 37925_38075	64QAM	1	0	1	Max	14.56	0.0227
	64QAM	1	Max	1	0	20.11	0.0815
	64QAM	Max	0	Max	0	20.17	0.0826
H 38025_38175	64QAM	1	0	1	Max	14.49	0.0223
	64QAM	1	Max	1	0	20.09	0.0811
	64QAM	Max	0	Max	0	20.09	0.0811



LTE CA_41C_ANT4:

Combination 20MHz+20MHz (100RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 39750_39948	QPSK	Max	0	Max	0	21.72	0.1180
	QPSK	1	0	1	Max	15.22	0.0264
	QPSK	1	Max	1	0	23.68	0.1854
M 40521_40719	QPSK	Max	0	Max	0	21.76	0.1191
	QPSK	1	0	1	Max	15.29	0.0269
	QPSK	1	Max	1	0	23.63	0.1832
H 41292_41490	QPSK	Max	0	Max	0	21.73	0.1183
	QPSK	1	0	1	Max	15.18	0.0262
	QPSK	1	Max	1	0	23.66	0.1845
L 39750_39948	16QAM	Max	0	Max	0	20.72	0.0938
	16QAM	1	0	1	Max	15.25	0.0266
	16QAM	1	Max	1	0	22.81	0.1517
M 40521_40719	16QAM	Max	0	Max	0	20.74	0.0942
	16QAM	1	0	1	Max	15.29	0.0269
	16QAM	1	Max	1	0	22.88	0.1542
H 41292_41490	16QAM	Max	0	Max	0	20.76	0.0946
	16QAM	1	0	1	Max	15.22	0.0264
	16QAM	1	Max	1	0	22.89	0.1545
L 39750_39948	64QAM	Max	0	Max	0	20.72	0.0938
	64QAM	1	0	1	Max	14.95	0.0248
	64QAM	1	Max	1	0	20.59	0.0910
M 40521_40719	64QAM	Max	0	Max	0	20.79	0.0953
	64QAM	1	0	1	Max	14.95	0.0248
	64QAM	1	Max	1	0	20.54	0.0899
H 41292_41490	64QAM	Max	0	Max	0	20.67	0.0927
	64QAM	1	0	1	Max	15.04	0.0254
	64QAM	1	Max	1	0	20.65	0.0923
Combination 20MHz+15MHz (100RB+75RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 39750_39921	QPSK	Max	0	Max	0	21.65	0.1161
	QPSK	1	0	1	Max	15.15	0.0260
	QPSK	1	Max	1	0	23.66	0.1845
M 40546_40717	QPSK	Max	0	Max	0	21.66	0.1164
	QPSK	1	0	1	Max	15.24	0.0265
	QPSK	1	Max	1	0	23.59	0.1816
H 41341_41512	QPSK	Max	0	Max	0	21.64	0.1159
	QPSK	1	0	1	Max	15.08	0.0256
	QPSK	1	Max	1	0	23.65	0.1841
L 39750_39921	16QAM	Max	0	Max	0	20.69	0.0931
	16QAM	1	0	1	Max	15.14	0.0259
	16QAM	1	Max	1	0	22.80	0.1514
M 40546_40717	16QAM	Max	0	Max	0	20.70	0.0933
	16QAM	1	0	1	Max	15.27	0.0267



	16QAM	1	Max	1	0	22.75	0.1496
H 41341_41512	16QAM	Max	0	Max	0	20.72	0.0938
	16QAM	1	0	1	Max	15.15	0.0260
	16QAM	1	Max	1	0	22.79	0.1510
	16QAM	1	Max	1	0	22.79	0.1510
L 39750_39921	64QAM	Max	0	Max	0	20.58	0.0908
	64QAM	1	0	1	Max	14.88	0.0244
	64QAM	1	Max	1	0	20.53	0.0897
	64QAM	1	Max	1	0	20.53	0.0897
M 40546_40717	64QAM	Max	0	Max	0	20.67	0.0927
	64QAM	1	0	1	Max	14.85	0.0243
	64QAM	1	Max	1	0	20.40	0.0871
	64QAM	1	Max	1	0	20.40	0.0871
H 41341_41512	64QAM	Max	0	Max	0	20.57	0.0906
	64QAM	1	0	1	Max	15.00	0.0251
	64QAM	1	Max	1	0	20.58	0.0908
	64QAM	1	Max	1	0	20.58	0.0908
Combination 15MHz+20MHz (75RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 39728_39899	QPSK	Max	0	Max	0	21.67	0.1167
	QPSK	1	0	1	Max	15.16	0.0261
	QPSK	1	Max	1	0	23.61	0.1824
	QPSK	1	Max	1	0	23.61	0.1824
M 40523_40694	QPSK	Max	0	Max	0	21.61	0.1151
	QPSK	1	0	1	Max	15.16	0.0261
	QPSK	1	Max	1	0	23.50	0.1778
	QPSK	1	Max	1	0	23.50	0.1778
H 41319_41490	QPSK	Max	0	Max	0	21.60	0.1148
	QPSK	1	0	1	Max	15.14	0.0259
	QPSK	1	Max	1	0	23.54	0.1795
	QPSK	1	Max	1	0	23.54	0.1795
L 39728_39899	16QAM	Max	0	Max	0	20.61	0.0914
	16QAM	1	0	1	Max	15.17	0.0261
	16QAM	1	Max	1	0	22.70	0.1479
	16QAM	1	Max	1	0	22.70	0.1479
M 40523_40694	16QAM	Max	0	Max	0	20.65	0.0923
	16QAM	1	0	1	Max	15.25	0.0266
	16QAM	1	Max	1	0	22.76	0.1500
	16QAM	1	Max	1	0	22.76	0.1500
H 41319_41490	16QAM	Max	0	Max	0	20.72	0.0938
	16QAM	1	0	1	Max	15.18	0.0262
	16QAM	1	Max	1	0	22.85	0.1531
	16QAM	1	Max	1	0	22.85	0.1531
L 39728_39899	64QAM	Max	0	Max	0	20.65	0.0923
	64QAM	1	0	1	Max	14.89	0.0245
	64QAM	1	Max	1	0	20.56	0.0904
	64QAM	1	Max	1	0	20.56	0.0904
M 40523_40694	64QAM	Max	0	Max	0	20.77	0.0948
	64QAM	1	0	1	Max	14.85	0.0243
	64QAM	1	Max	1	0	20.47	0.0885
	64QAM	1	Max	1	0	20.47	0.0885
H 41319_41490	64QAM	Max	0	Max	0	20.58	0.0908
	64QAM	1	0	1	Max	14.90	0.0245
	64QAM	1	Max	1	0	20.59	0.0910
	64QAM	1	Max	1	0	20.59	0.0910
Combination 15MHz+15MHz (75RB+75RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 39725_39875	QPSK	Max	0	Max	0	21.69	0.1172
	QPSK	1	0	1	Max	15.19	0.0262
	QPSK	1	Max	1	0	23.57	0.1807
	QPSK	1	Max	1	0	23.57	0.1807



M 40545_40695	QPSK	Max	0	Max	0	21.63	0.1156
	QPSK	1	0	1	Max	15.27	0.0267
	QPSK	1	Max	1	0	23.55	0.1799
H 41365_41515	QPSK	Max	0	Max	0	21.71	0.1178
	QPSK	1	0	1	Max	15.10	0.0257
	QPSK	1	Max	1	0	23.58	0.1811
L 39725_39875	16QAM	Max	0	Max	0	20.63	0.0918
	16QAM	1	0	1	Max	15.23	0.0265
	16QAM	1	Max	1	0	22.67	0.1469
M 40545_40695	16QAM	Max	0	Max	0	20.69	0.0931
	16QAM	1	0	1	Max	15.21	0.0264
	16QAM	1	Max	1	0	22.73	0.1489
H 41365_41515	16QAM	Max	0	Max	0	20.74	0.0942
	16QAM	1	0	1	Max	15.10	0.0257
	16QAM	1	Max	1	0	22.78	0.1507
L 39725_39875	64QAM	Max	0	Max	0	20.62	0.0916
	64QAM	1	0	1	Max	14.90	0.0245
	64QAM	1	Max	1	0	20.51	0.0893
M 40545_40695	64QAM	Max	0	Max	0	20.68	0.0929
	64QAM	1	0	1	Max	14.89	0.0245
	64QAM	1	Max	1	0	20.51	0.0893
H 41365_41515	64QAM	Max	0	Max	0	20.53	0.0897
	64QAM	1	0	1	Max	14.96	0.0249
	64QAM	1	Max	1	0	20.55	0.0902
Combination 20MHz+10MHz (100RB+50RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 39750_39894	QPSK	Max	0	Max	0	21.70	0.1175
	QPSK	1	0	1	Max	15.14	0.0259
	QPSK	1	Max	1	0	23.55	0.1799
M 40571_40715	QPSK	Max	0	Max	0	21.70	0.1175
	QPSK	1	0	1	Max	15.20	0.0263
	QPSK	1	Max	1	0	23.51	0.1782
H 41391_41535	QPSK	Max	0	Max	0	21.67	0.1167
	QPSK	1	0	1	Max	15.07	0.0255
	QPSK	1	Max	1	0	23.51	0.1782
L 39750_39894	16QAM	Max	0	Max	0	20.57	0.0906
	16QAM	1	0	1	Max	15.24	0.0265
	16QAM	1	Max	1	0	22.79	0.1510
M 40571_40715	16QAM	Max	0	Max	0	20.72	0.0938
	16QAM	1	0	1	Max	15.24	0.0265
	16QAM	1	Max	1	0	22.87	0.1538
H 41391_41535	16QAM	Max	0	Max	0	20.67	0.0927
	16QAM	1	0	1	Max	15.11	0.0258
	16QAM	1	Max	1	0	22.82	0.1521
L 39750_39894	64QAM	Max	0	Max	0	20.59	0.0910
	64QAM	1	0	1	Max	14.84	0.0242
	64QAM	1	Max	1	0	20.57	0.0906
M 40571_40715	64QAM	Max	0	Max	0	20.75	0.0944
	64QAM	1	0	1	Max	14.86	0.0243
	64QAM	1	Max	1	0	20.49	0.0889
H 41391_41535	64QAM	Max	0	Max	0	20.64	0.0920
	64QAM	1	0	1	Max	14.89	0.0245
	64QAM	1	Max	1	0	20.62	0.0916



Combination 10MHz+20MHz (50RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 39705_39849	QPSK	Max	0	Max	0	21.68	0.1169
	QPSK	1	0	1	Max	15.07	0.0255
	QPSK	1	Max	1	0	23.63	0.1832
M 40526_40670	QPSK	Max	0	Max	0	21.69	0.1172
	QPSK	1	0	1	Max	15.15	0.0260
	QPSK	1	Max	1	0	23.61	0.1824
H 41346_41490	QPSK	Max	0	Max	0	21.64	0.1159
	QPSK	1	0	1	Max	15.05	0.0254
	QPSK	1	Max	1	0	23.54	0.1795
L 39705_39849	16QAM	Max	0	Max	0	20.60	0.0912
	16QAM	1	0	1	Max	15.22	0.0264
	16QAM	1	Max	1	0	22.73	0.1489
M 40526_40670	16QAM	Max	0	Max	0	20.70	0.0933
	16QAM	1	0	1	Max	15.24	0.0265
	16QAM	1	Max	1	0	22.78	0.1507
H 41346_41490	16QAM	Max	0	Max	0	20.61	0.0914
	16QAM	1	0	1	Max	15.16	0.0261
	16QAM	1	Max	1	0	22.85	0.1531
L 39705_39849	64QAM	Max	0	Max	0	20.64	0.0920
	64QAM	1	0	1	Max	14.80	0.0240
	64QAM	1	Max	1	0	20.51	0.0893
M 40526_40670	64QAM	Max	0	Max	0	20.76	0.0946
	64QAM	1	0	1	Max	14.94	0.0248
	64QAM	1	Max	1	0	20.45	0.0881
H 41346_41490	64QAM	Max	0	Max	0	20.65	0.0923
	64QAM	1	0	1	Max	14.95	0.0248
	64QAM	1	Max	1	0	20.61	0.0914
Combination 15MHz+10MHz (75RB+50RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 39725_39845	QPSK	Max	0	Max	0	21.63	0.1156
	QPSK	1	0	1	Max	15.14	0.0259
	QPSK	1	Max	1	0	23.67	0.1849
M 40571_40691	QPSK	Max	0	Max	0	21.69	0.1172
	QPSK	1	0	1	Max	15.21	0.0264
	QPSK	1	Max	1	0	23.53	0.1791
H 41417_41537	QPSK	Max	0	Max	0	21.67	0.1167
	QPSK	1	0	1	Max	15.14	0.0259
	QPSK	1	Max	1	0	23.56	0.1803
L 39725_39845	16QAM	Max	0	Max	0	20.62	0.0916
	16QAM	1	0	1	Max	15.20	0.0263
	16QAM	1	Max	1	0	22.78	0.1507
M 40571_40691	16QAM	Max	0	Max	0	20.73	0.0940
	16QAM	1	0	1	Max	15.28	0.0268
	16QAM	1	Max	1	0	22.83	0.1524
H 41417_41537	16QAM	Max	0	Max	0	20.71	0.0935
	16QAM	1	0	1	Max	15.21	0.0264
	16QAM	1	Max	1	0	22.82	0.1521
L 39725_39845	64QAM	Max	0	Max	0	20.61	0.0914
	64QAM	1	0	1	Max	14.90	0.0245
	64QAM	1	Max	1	0	20.52	0.0895



M 40571_40691	64QAM	Max	0	Max	0	20.65	0.0923
	64QAM	1	0	1	Max	14.90	0.0245
	64QAM	1	Max	1	0	20.39	0.0869
H 41417_41537	64QAM	Max	0	Max	0	20.60	0.0912
	64QAM	1	0	1	Max	15.03	0.0253
	64QAM	1	Max	1	0	20.63	0.0918
Combination 10MHz+15MHz (50RB+75RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 39703_39823	QPSK	Max	0	Max	0	21.62	0.1153
	QPSK	1	0	1	Max	15.11	0.0258
	QPSK	1	Max	1	0	23.54	0.1795
M 40549_40669	QPSK	Max	0	Max	0	21.69	0.1172
	QPSK	1	0	1	Max	15.17	0.0261
	QPSK	1	Max	1	0	23.50	0.1778
H 41395_41515	QPSK	Max	0	Max	0	21.59	0.1146
	QPSK	1	0	1	Max	15.05	0.0254
	QPSK	1	Max	1	0	23.55	0.1799
L 39703_39823	16QAM	Max	0	Max	0	20.57	0.0906
	16QAM	1	0	1	Max	15.20	0.0263
	16QAM	1	Max	1	0	22.73	0.1489
M 40549_40669	16QAM	Max	0	Max	0	20.70	0.0933
	16QAM	1	0	1	Max	15.21	0.0264
	16QAM	1	Max	1	0	22.82	0.1521
H 41395_41515	16QAM	Max	0	Max	0	20.74	0.0942
	16QAM	1	0	1	Max	15.07	0.0255
	16QAM	1	Max	1	0	22.76	0.1500
L 39703_39823	64QAM	Max	0	Max	0	20.69	0.0931
	64QAM	1	0	1	Max	14.89	0.0245
	64QAM	1	Max	1	0	20.58	0.0908
M 40549_40669	64QAM	Max	0	Max	0	20.67	0.0927
	64QAM	1	0	1	Max	14.88	0.0244
	64QAM	1	Max	1	0	20.46	0.0883
H 41395_41515	64QAM	Max	0	Max	0	20.62	0.0916
	64QAM	1	0	1	Max	14.91	0.0246
	64QAM	1	Max	1	0	20.61	0.0914
Combination 20MHz+5MHz (100RB+25RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 39750_39867	QPSK	Max	0	Max	0	21.71	0.1178
	QPSK	1	0	1	Max	15.13	0.0259
	QPSK	1	Max	1	0	23.53	0.1791
M 40595_40712	QPSK	Max	0	Max	0	21.62	0.1153
	QPSK	1	0	1	Max	15.26	0.0267
	QPSK	1	Max	1	0	23.50	0.1778
H 41440_41557	QPSK	Max	0	Max	0	21.68	0.1169
	QPSK	1	0	1	Max	15.12	0.0258
	QPSK	1	Max	1	0	23.64	0.1837
L 39750_39867	16QAM	Max	0	Max	0	20.68	0.0929
	16QAM	1	0	1	Max	15.20	0.0263
	16QAM	1	Max	1	0	22.70	0.1479
M 40595_40712	16QAM	Max	0	Max	0	20.63	0.0918
	16QAM	1	0	1	Max	15.28	0.0268
	16QAM	1	Max	1	0	22.75	0.1496



H 41440_41557	16QAM	Max	0	Max	0	20.62	0.0916
	16QAM	1	0	1	Max	15.14	0.0259
	16QAM	1	Max	1	0	22.79	0.1510
L 39750_39867	64QAM	Max	0	Max	0	20.64	0.0920
	64QAM	1	0	1	Max	14.87	0.0244
	64QAM	1	Max	1	0	20.49	0.0889
M 40595_40712	64QAM	Max	0	Max	0	20.67	0.0927
	64QAM	1	0	1	Max	14.87	0.0244
	64QAM	1	Max	1	0	20.53	0.0897
H 41440_41557	64QAM	Max	0	Max	0	20.66	0.0925
	64QAM	1	0	1	Max	15.03	0.0253
	64QAM	1	Max	1	0	20.52	0.0895
Combination 5MHz+20MHz (25RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 39683_39800	QPSK	Max	0	Max	0	21.70	0.1175
	QPSK	1	0	1	Max	15.16	0.0261
	QPSK	1	Max	1	0	23.64	0.1837
M 40528_40645	QPSK	Max	0	Max	0	21.72	0.1180
	QPSK	1	0	1	Max	15.28	0.0268
	QPSK	1	Max	1	0	23.54	0.1795
H 41373_41490	QPSK	Max	0	Max	0	21.58	0.1143
	QPSK	1	0	1	Max	15.11	0.0258
	QPSK	1	Max	1	0	23.55	0.1799
L 39683_39800	16QAM	Max	0	Max	0	20.59	0.0910
	16QAM	1	0	1	Max	15.19	0.0262
	16QAM	1	Max	1	0	22.77	0.1503
M 40528_40645	16QAM	Max	0	Max	0	20.65	0.0923
	16QAM	1	0	1	Max	15.18	0.0262
	16QAM	1	Max	1	0	22.85	0.1531
H 41373_41490	16QAM	Max	0	Max	0	20.61	0.0914
	16QAM	1	0	1	Max	15.13	0.0259
	16QAM	1	Max	1	0	22.74	0.1493
L 39683_39800	64QAM	Max	0	Max	0	20.68	0.0929
	64QAM	1	0	1	Max	14.83	0.0242
	64QAM	1	Max	1	0	20.50	0.0891
M 40528_40645	64QAM	Max	0	Max	0	20.70	0.0933
	64QAM	1	0	1	Max	14.82	0.0241
	64QAM	1	Max	1	0	20.41	0.0873
H 41373_41490	64QAM	Max	0	Max	0	20.53	0.0897
	64QAM	1	0	1	Max	14.91	0.0246
	64QAM	1	Max	1	0	20.53	0.0897



LTE Band 7

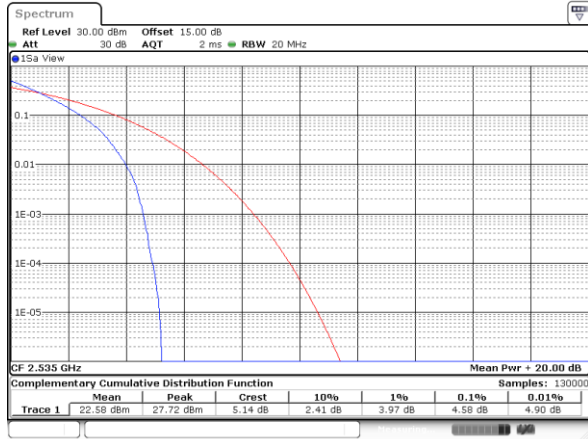
Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.58	5.57	6.00	PASS



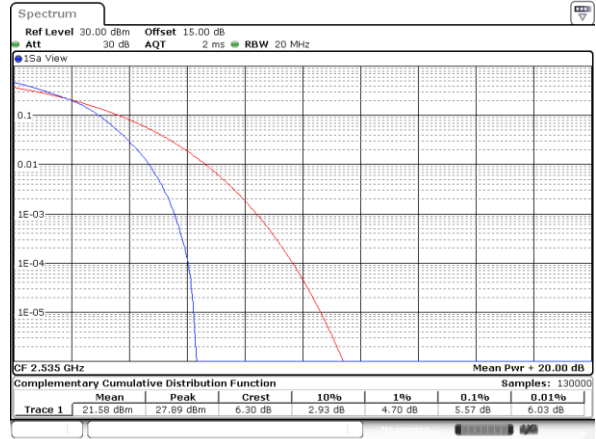
LTE Band 7 / 20MHz / QPSK

Middle Channel / Full RB



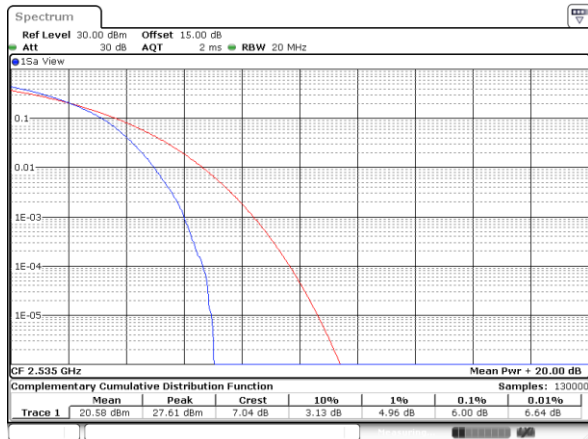
LTE Band 7 / 20MHz / 16QAM

Middle Channel / Full RB



LTE Band 7 / 20MHz / 64QAM

Middle Channel / Full RB





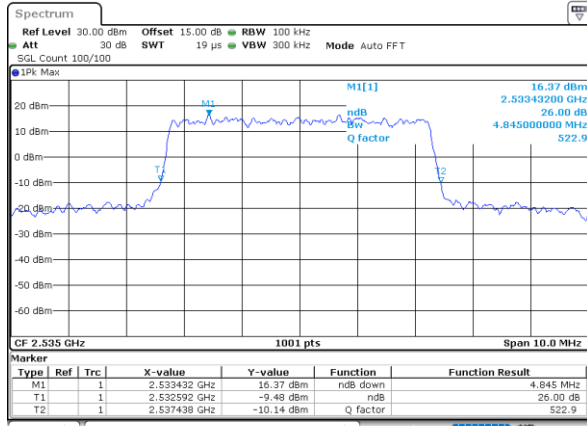
26dB Bandwidth

Mode	LTE Band 7 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.85	4.83	9.71	9.77	14.36	14.33	18.94	19.02



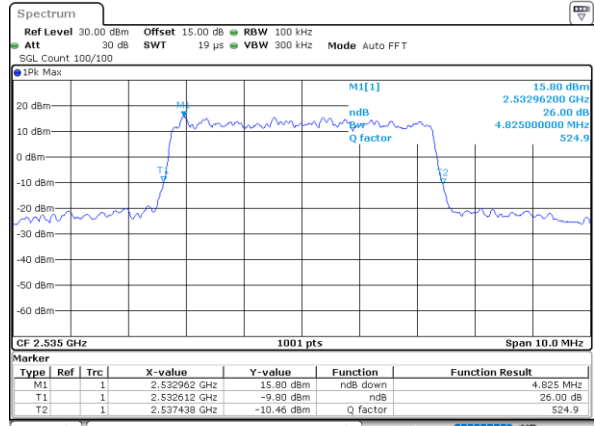
LTE Band 7

Middle Channel / 5MHz / QPSK



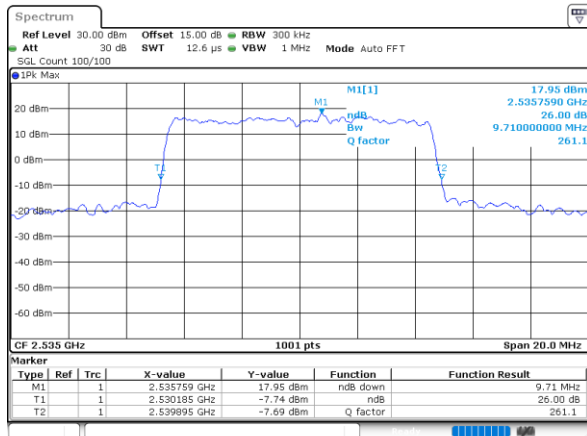
Date: 28.MAY.2025 11:49:01

Middle Channel / 5MHz / 16QAM



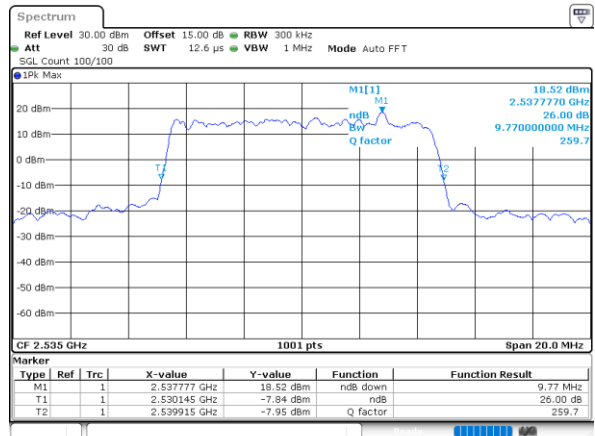
Date: 28.MAY.2025 11:49:41

Middle Channel / 10MHz / QPSK



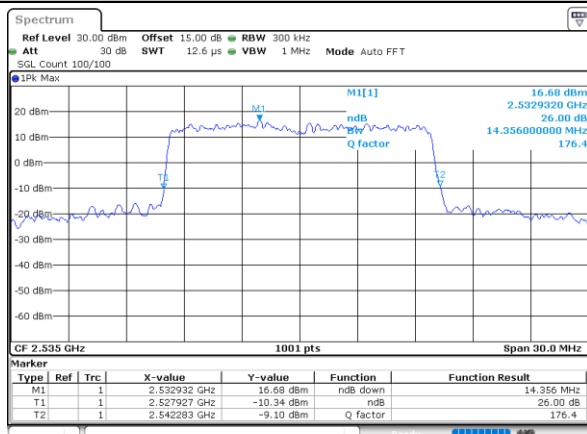
Date: 28.MAY.2025 12:04:58

Middle Channel / 10MHz / 16QAM



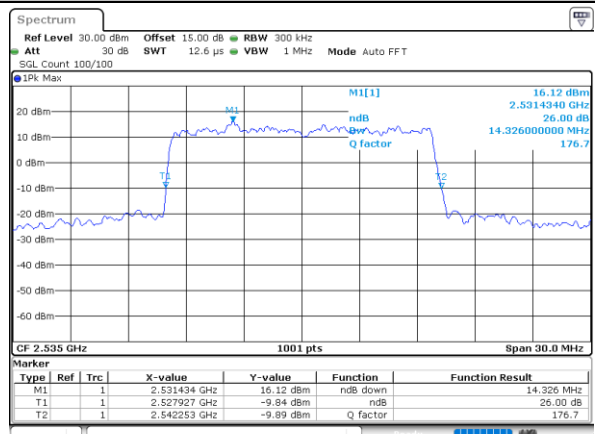
Date: 28.MAY.2025 12:05:38

Middle Channel / 15MHz / QPSK



Date: 28.MAY.2025 12:20:57

Middle Channel / 15MHz / 16QAM

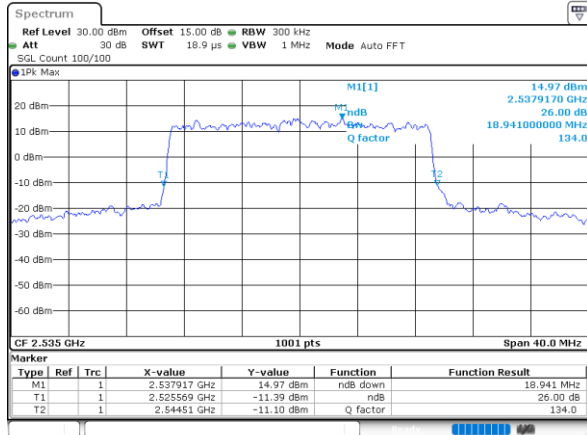


Date: 28.MAY.2025 12:21:36



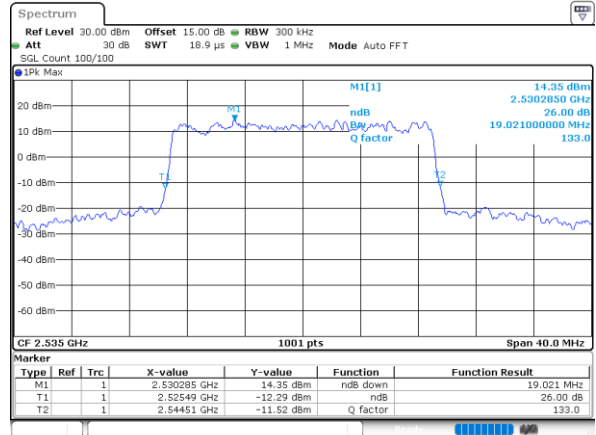
LTE Band 7

Middle Channel / 20MHz / QPSK



Date: 28.MAY.2025 12:36:55

Middle Channel / 20MHz / 16QAM



Date: 28.MAY.2025 12:37:34



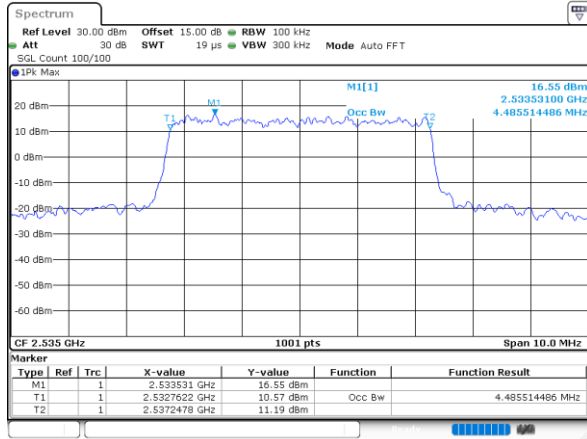
Occupied Bandwidth

Mode	LTE Band 7 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.49	4.49	9.13	9.03	13.46	13.43	17.90	17.94

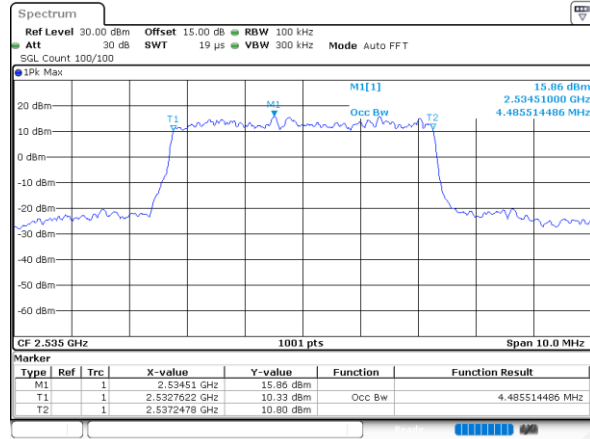


LTE Band 7

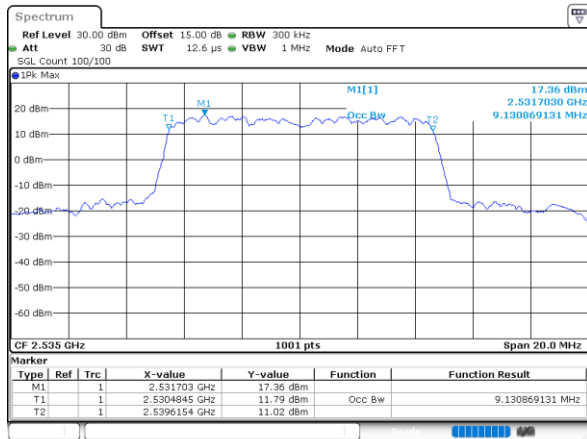
Middle Channel / 5MHz / QPSK



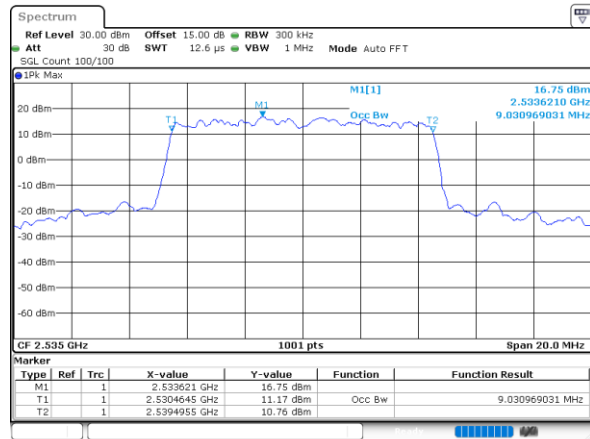
Middle Channel / 5MHz / 16QAM



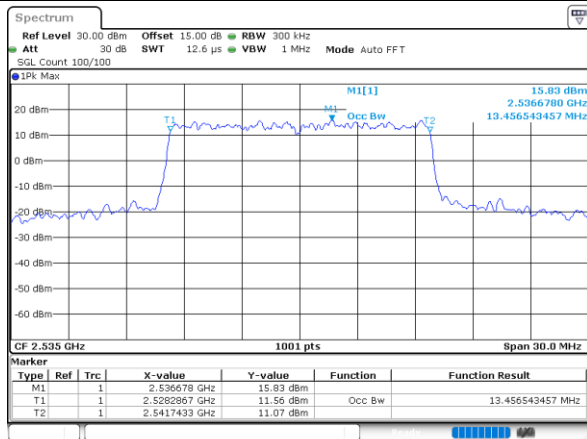
Middle Channel / 10MHz / QPSK



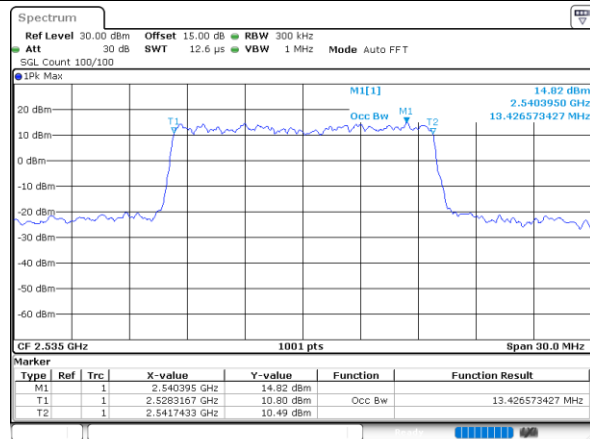
Middle Channel / 10MHz / 16QAM



Middle Channel / 15MHz / QPSK



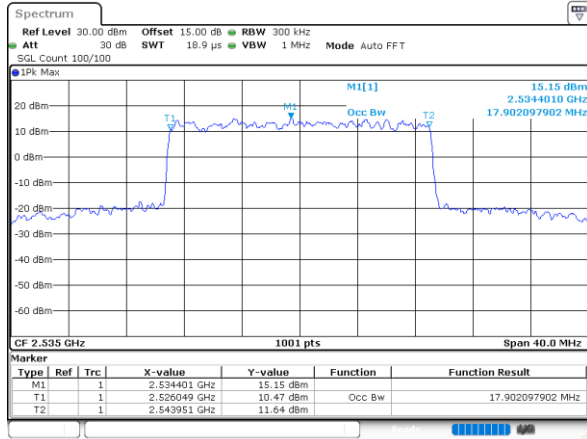
Middle Channel / 15MHz / 16QAM





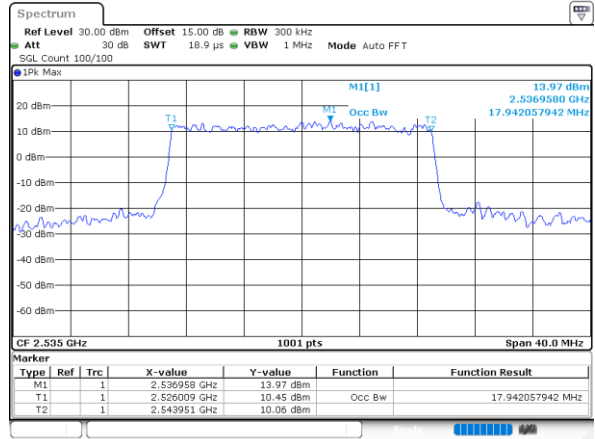
LTE Band 7

Middle Channel / 20MHz / QPSK



Date: 28.MAY.2025 12:36:41

Middle Channel / 20MHz / 16QAM



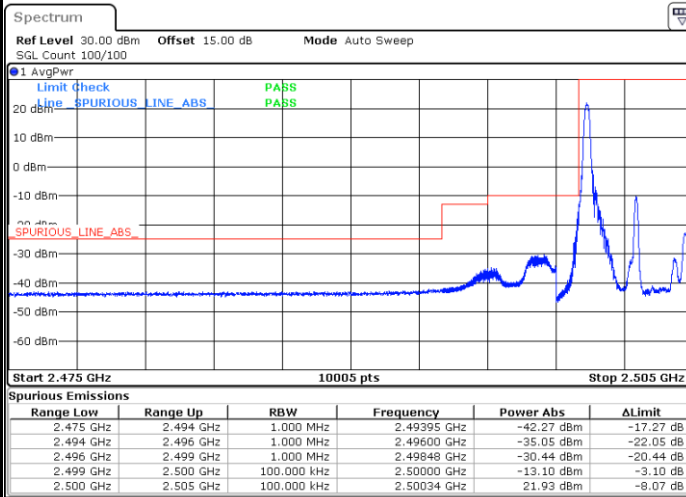
Date: 28.MAY.2025 12:37:20



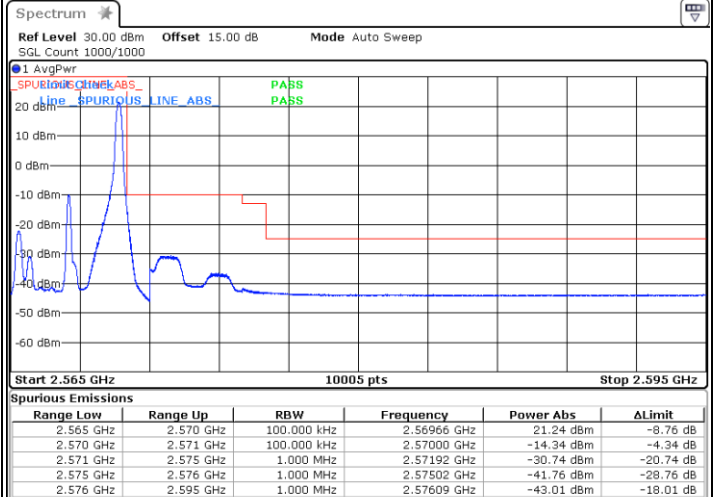
Conducted Band Edge

LTE Band 7 / 5MHz / QPSK

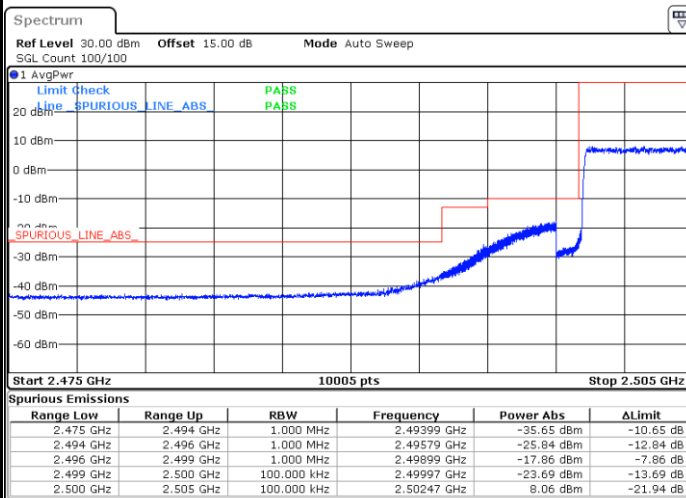
Lowest Band Edge / 1 RB



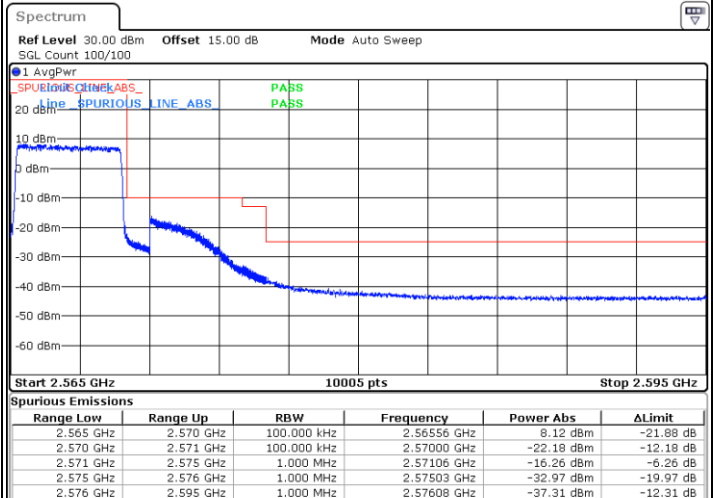
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



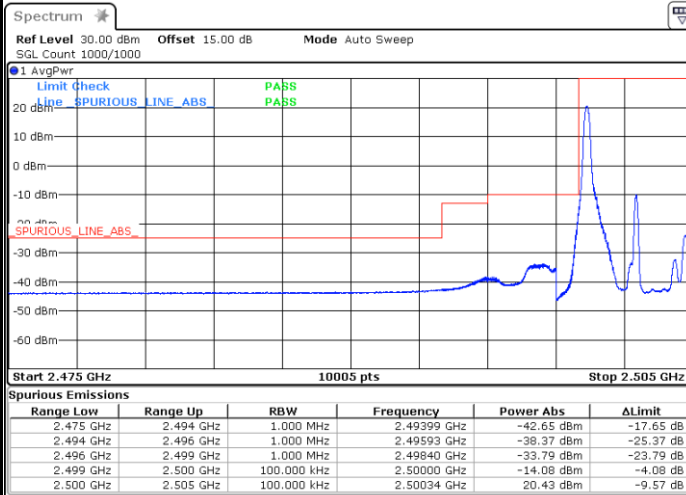
Highest Band Edge / Full RB



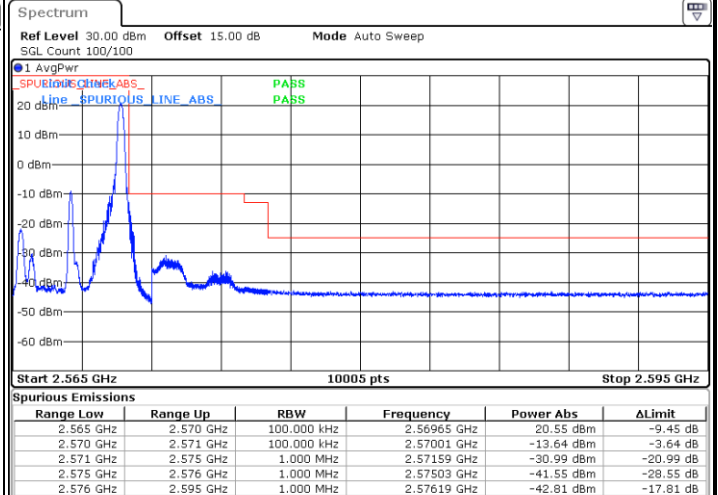


LTE Band 7 / 5MHz / 16QAM

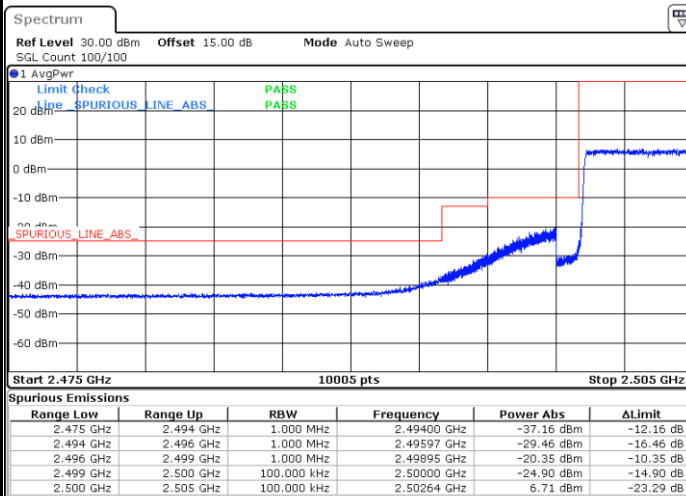
Lowest Band Edge / 1RB



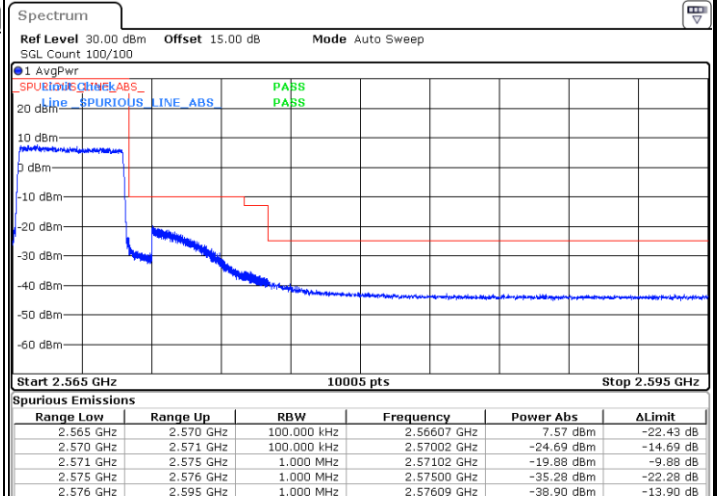
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



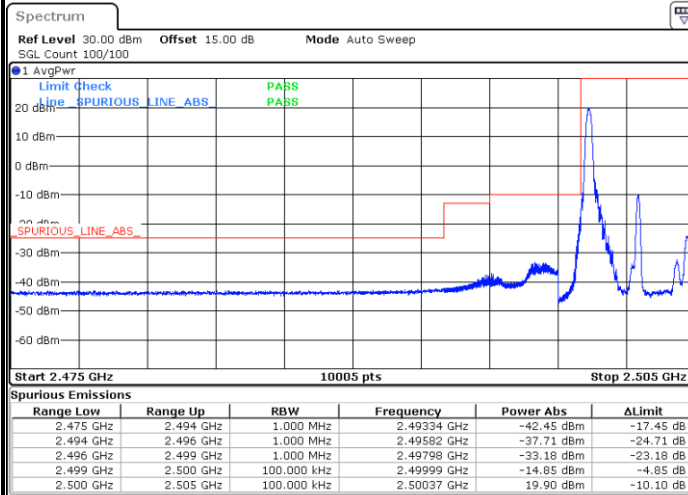
Highest Band Edge / Full RB



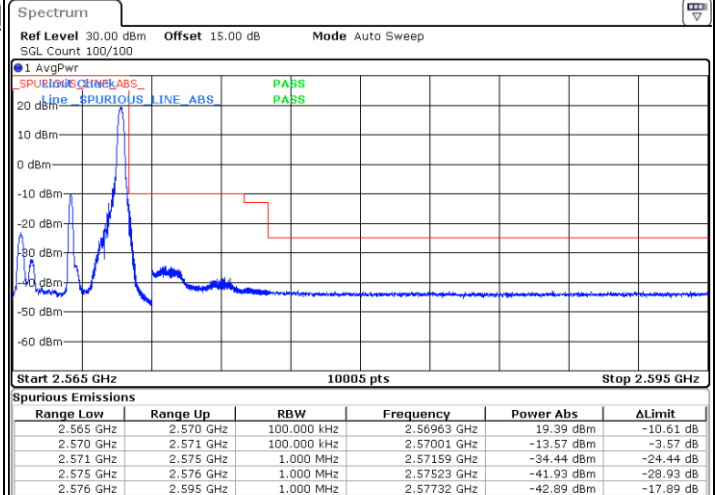


LTE Band 7 / 5MHz / 64QAM

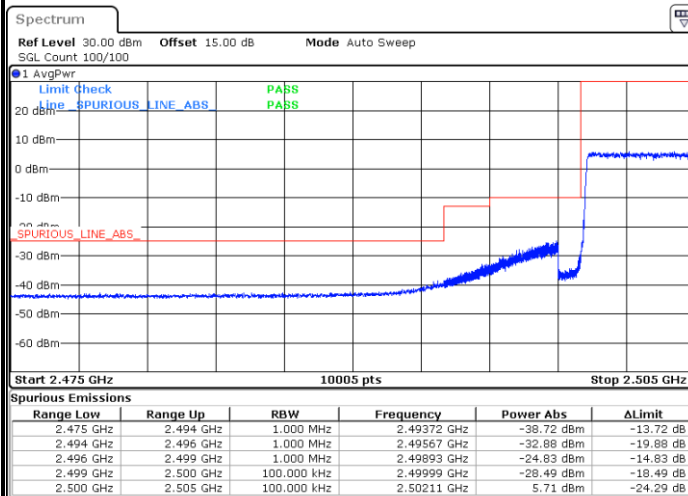
Lowest Band Edge / 1RB



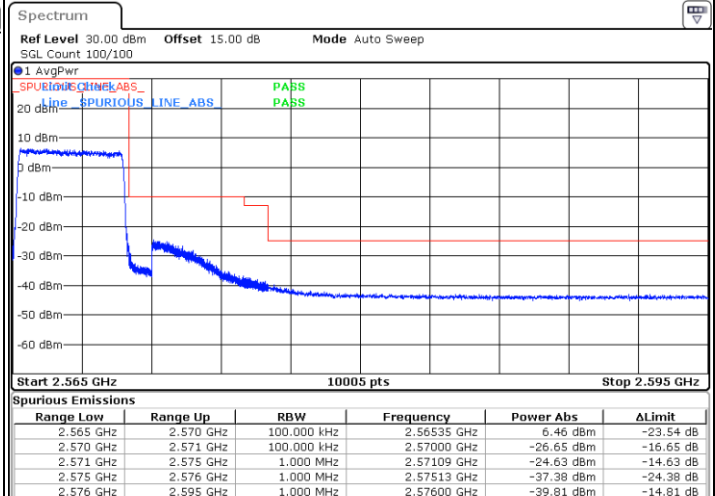
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



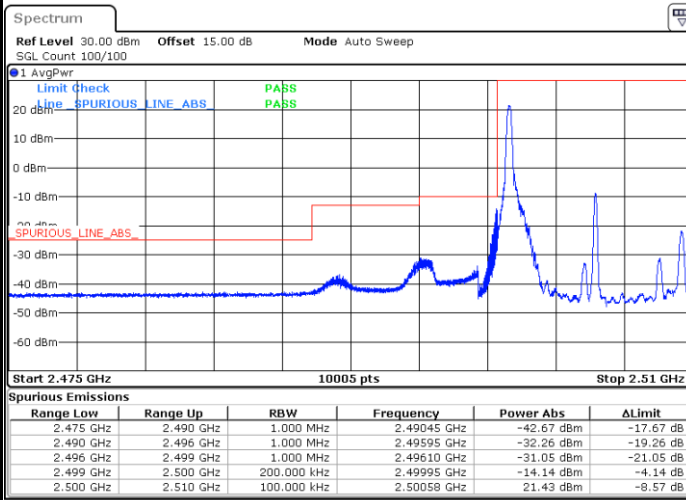
Highest Band Edge / Full RB



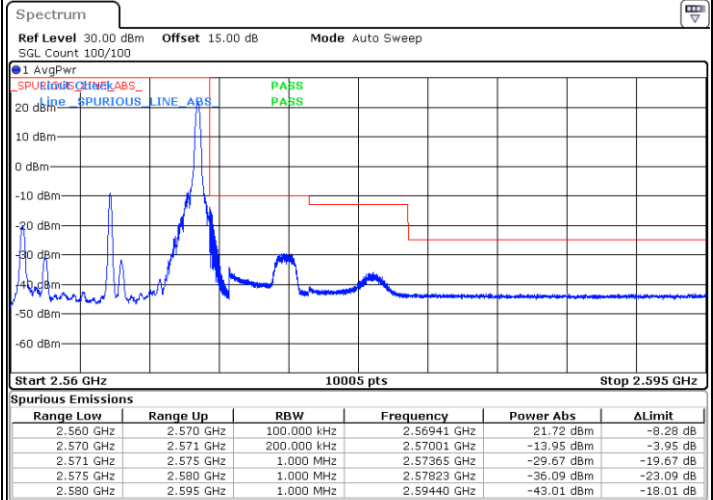


LTE Band 7 / 10MHz / QPSK

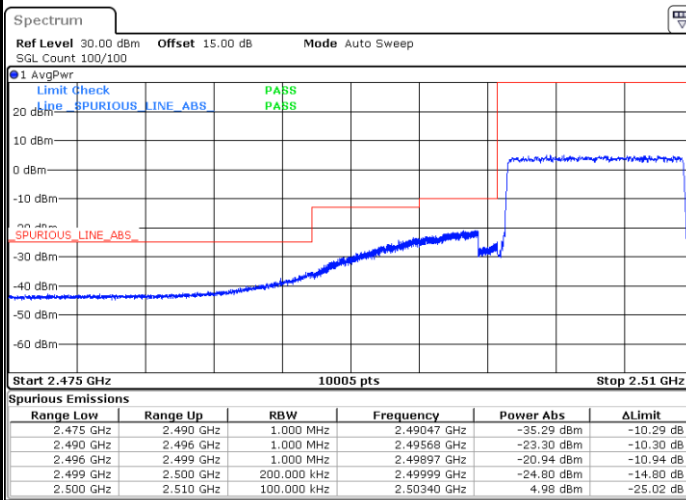
Lowest Band Edge / 1 RB



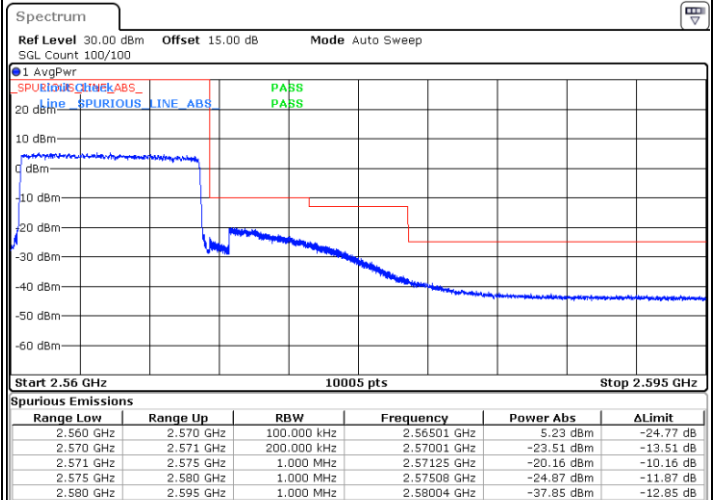
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



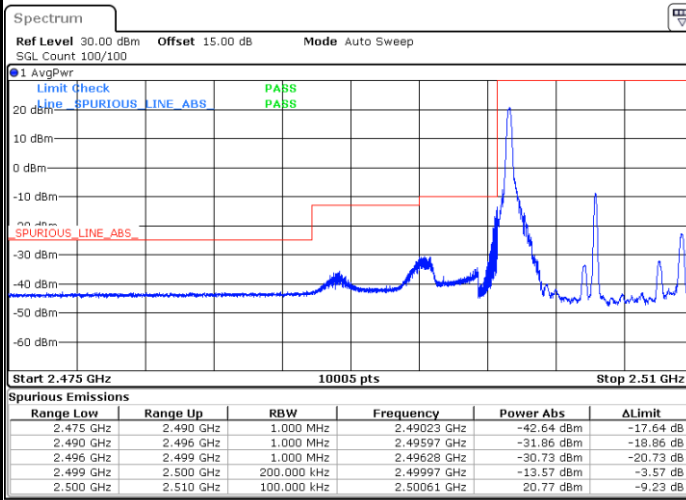
Highest Band Edge / Full RB



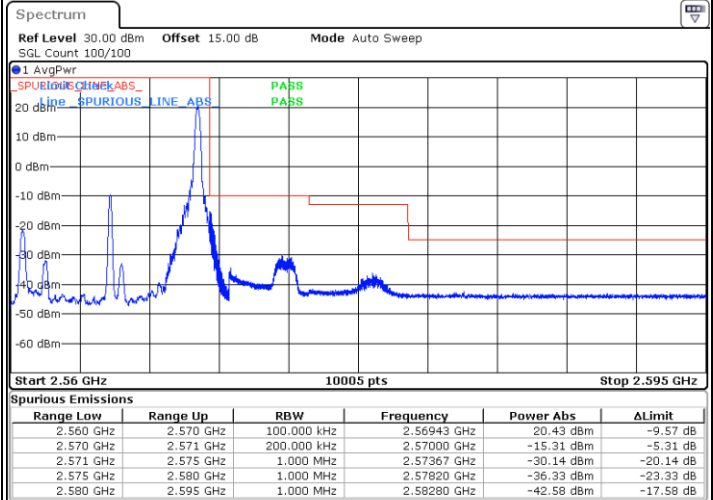


LTE Band 7 / 10MHz / 16QAM

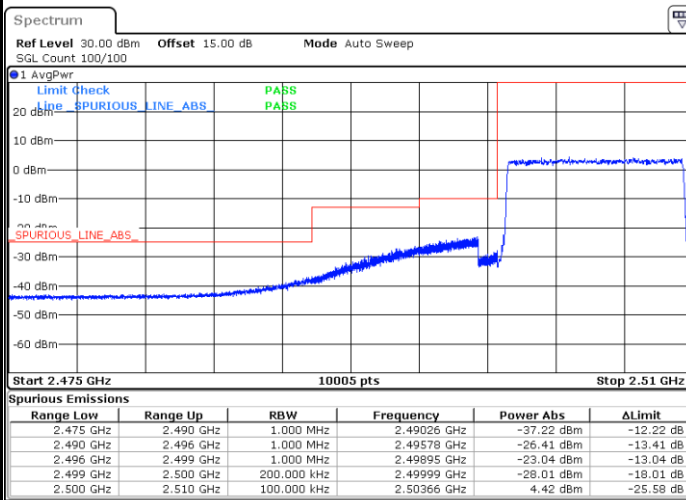
Lowest Band Edge / 1RB



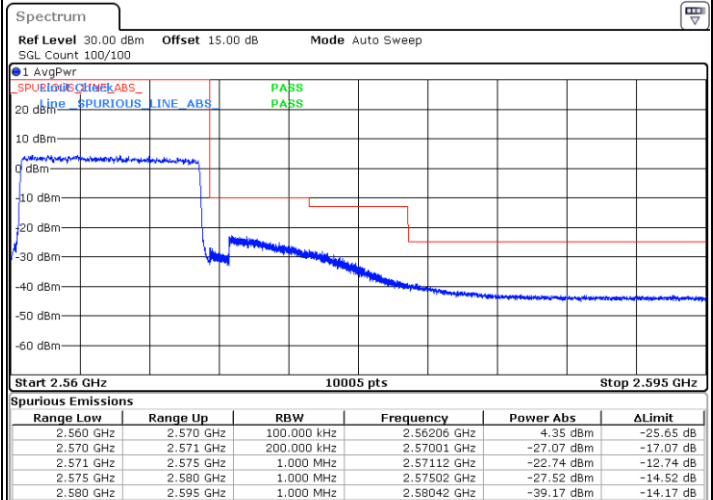
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



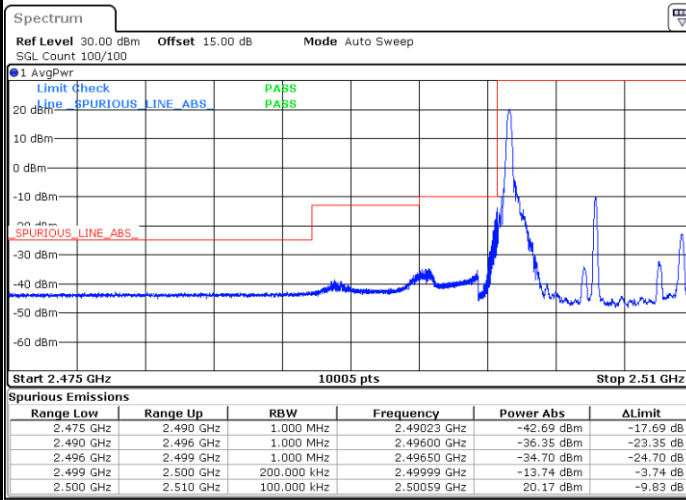
Highest Band Edge / Full RB



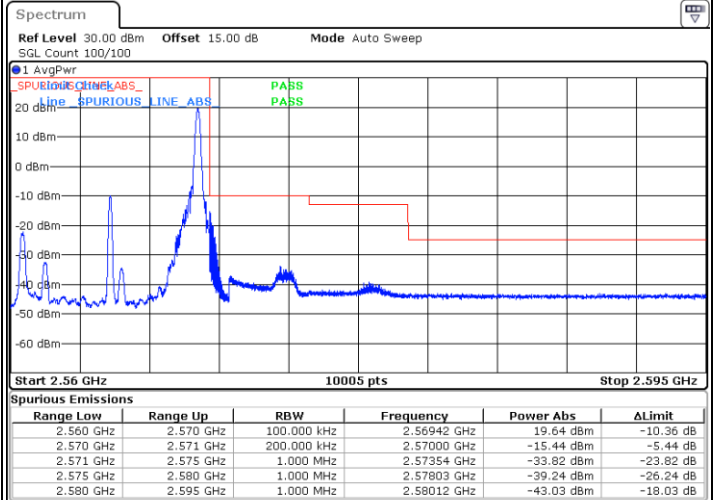


LTE Band 7 / 10MHz / 64QAM

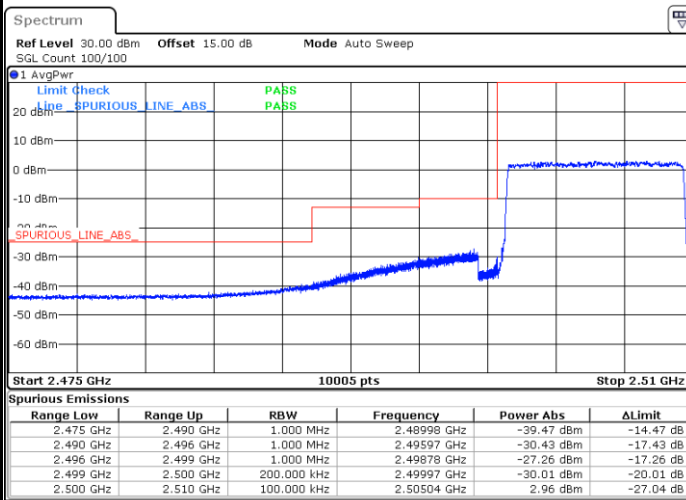
Lowest Band Edge / 1RB



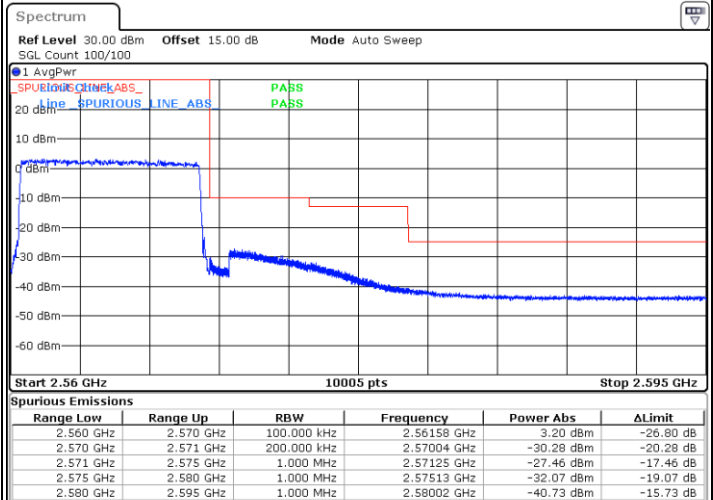
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



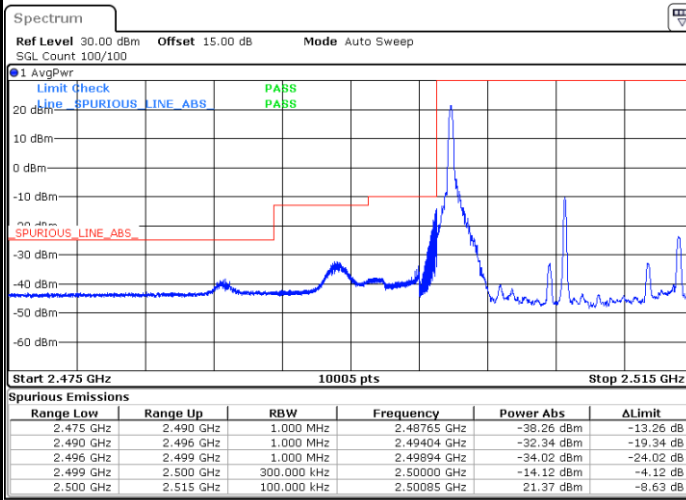
Highest Band Edge / Full RB



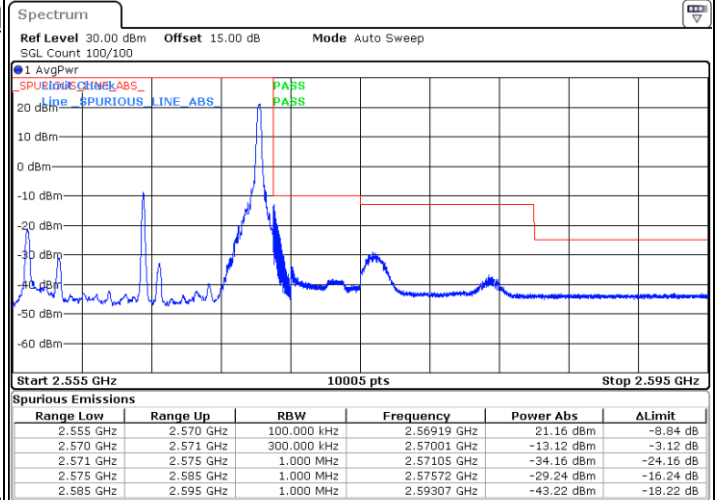


LTE Band 7 / 15MHz / QPSK

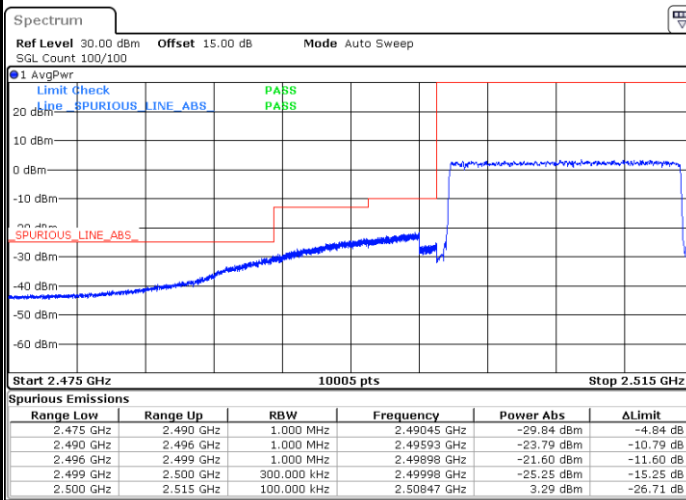
Lowest Band Edge / 1 RB



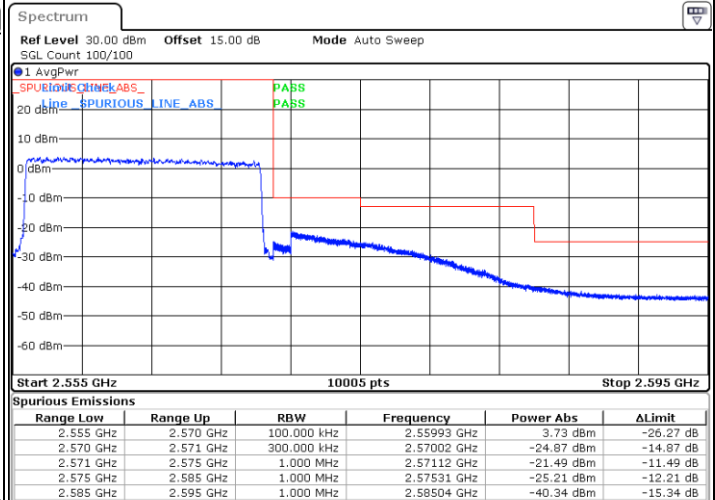
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



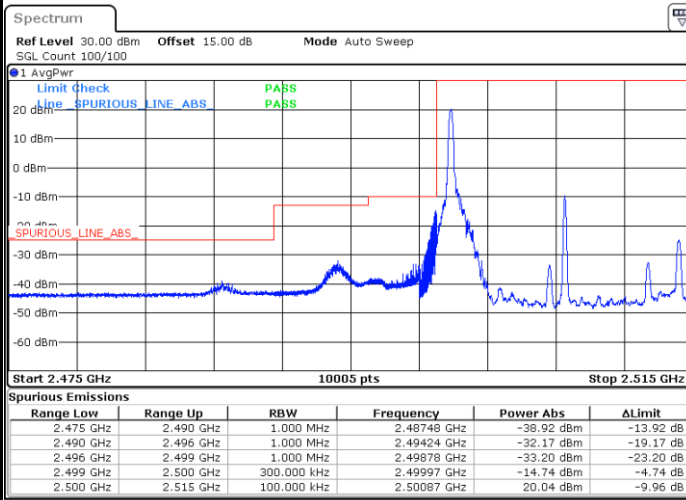
Highest Band Edge / Full RB





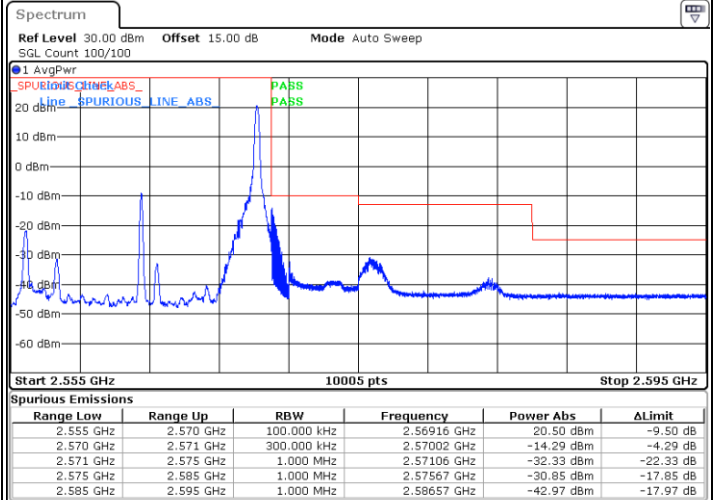
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1RB



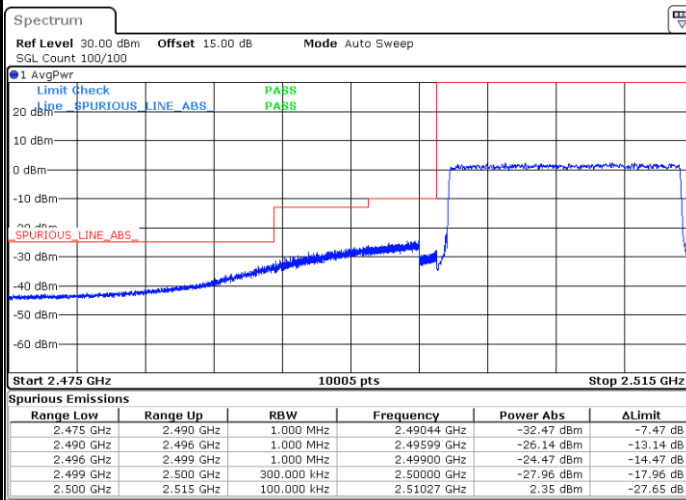
Date: 28.MAY.2025 12:14:44

Highest Band Edge / 1 RB



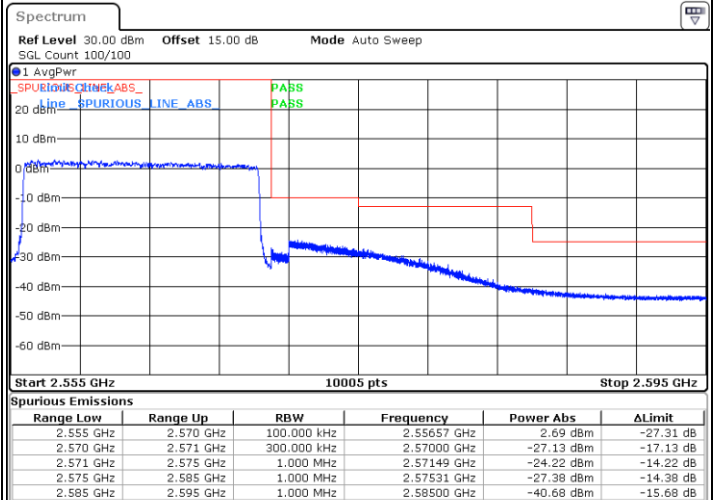
Date: 28.MAY.2025 12:23:17

Lowest Band Edge / Full RB



Date: 28.MAY.2025 12:17:17

Highest Band Edge / Full RB

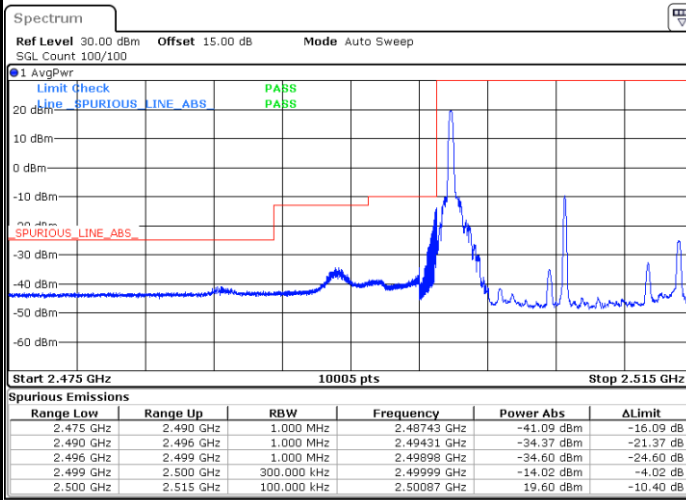


Date: 28.MAY.2025 12:25:49



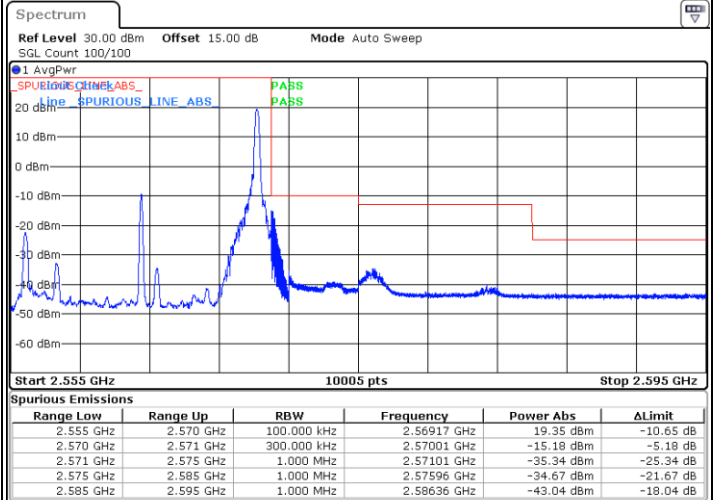
LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1RB



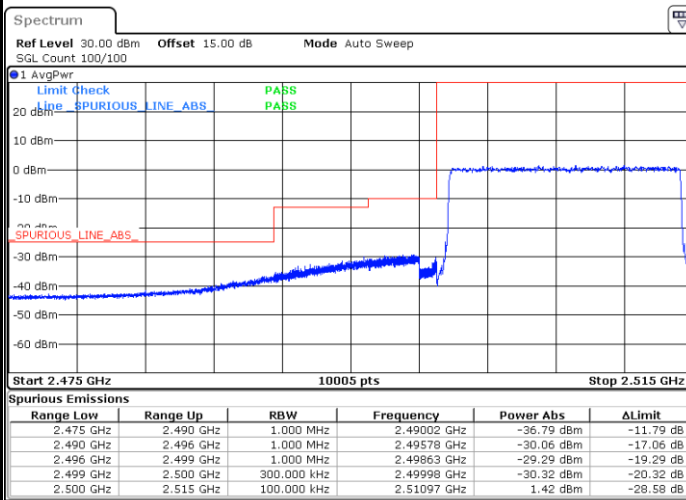
Date: 28.MAY.2025 12:15:35

Highest Band Edge / 1 RB



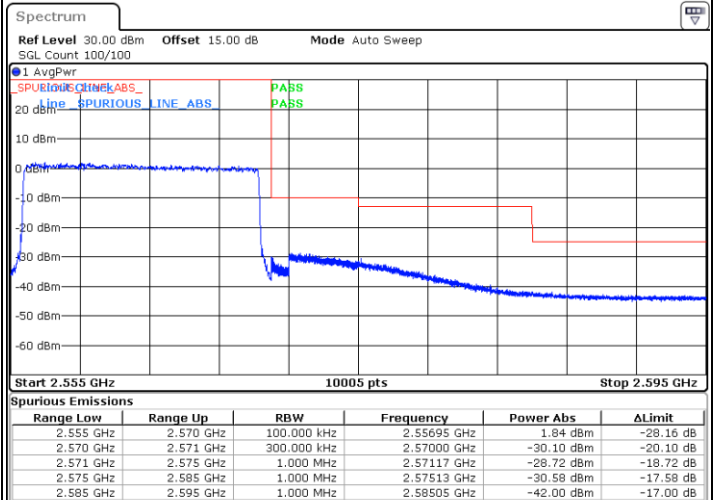
Date: 28.MAY.2025 12:24:08

Lowest Band Edge / Full RB



Date: 28.MAY.2025 12:18:08

Highest Band Edge / Full RB

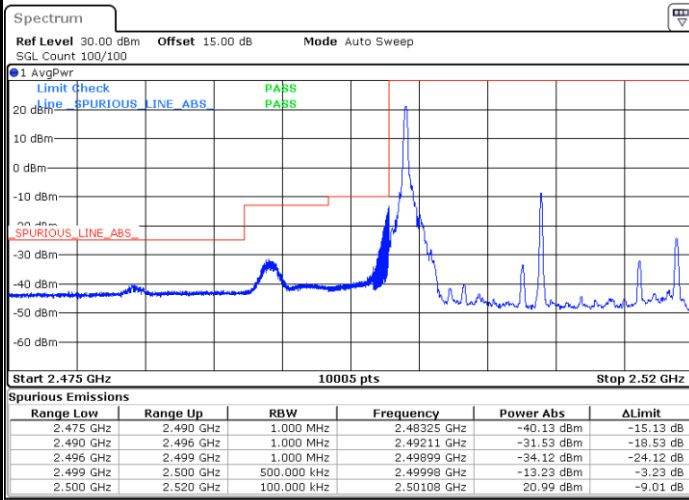


Date: 28.MAY.2025 12:26:40



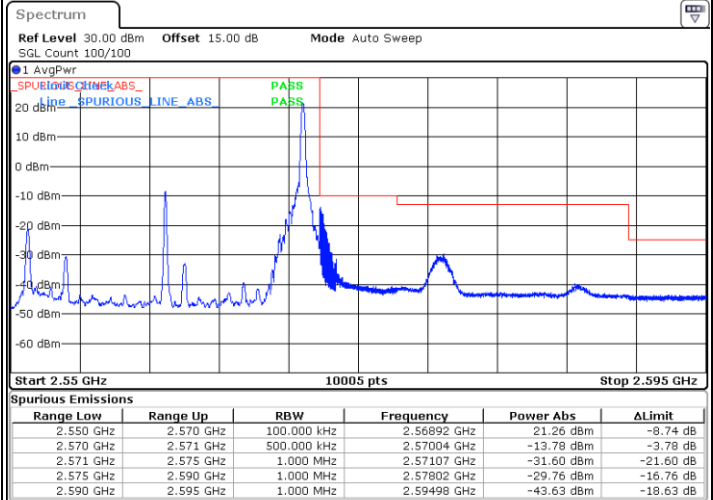
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB



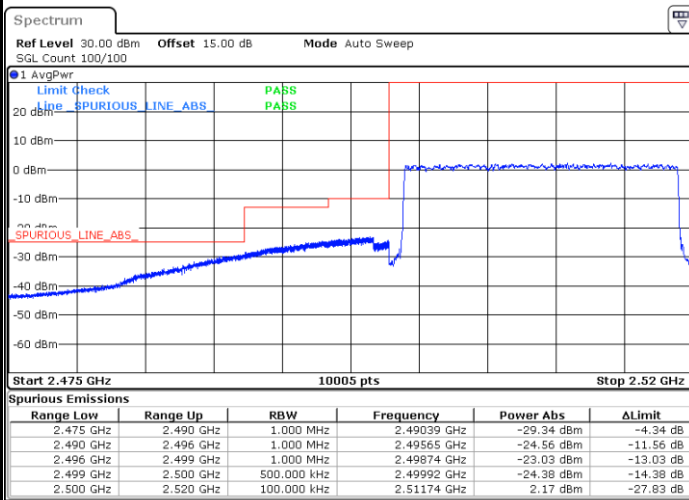
Date: 28.MAY.2025 12:29:51

Highest Band Edge / 1 RB



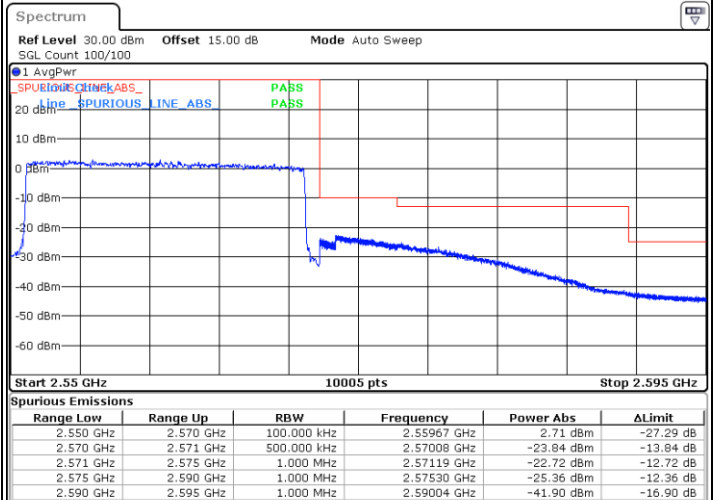
Date: 28.MAY.2025 12:39:44

Lowest Band Edge / Full RB



Date: 28.MAY.2025 12:32:24

Highest Band Edge / Full RB

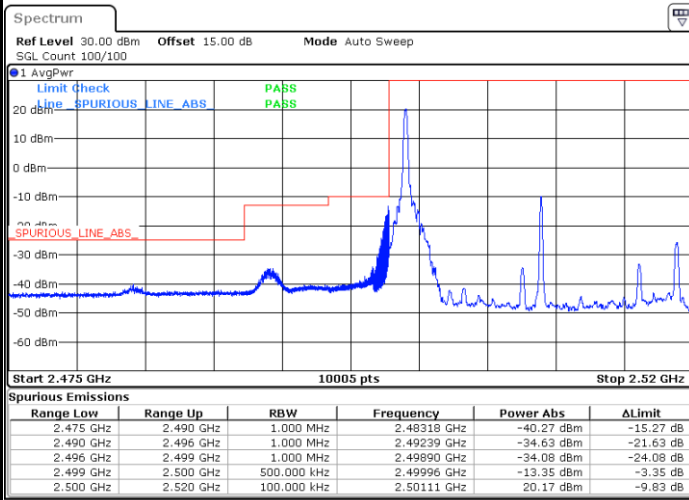


Date: 28.MAY.2025 12:42:17

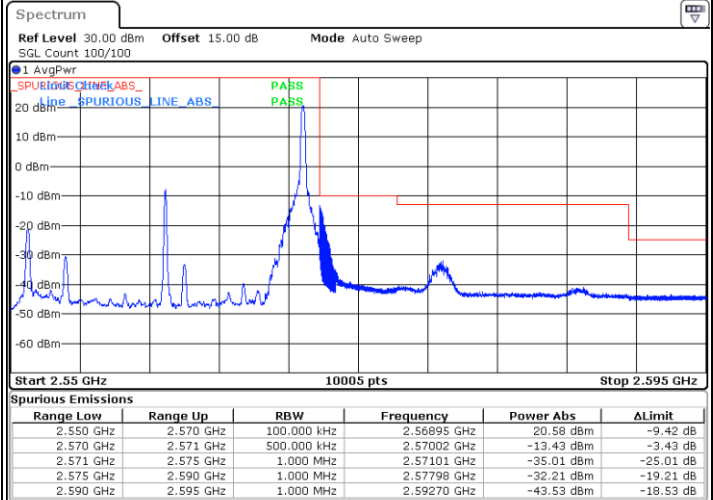


LTE Band 7 / 20MHz / 16QAM

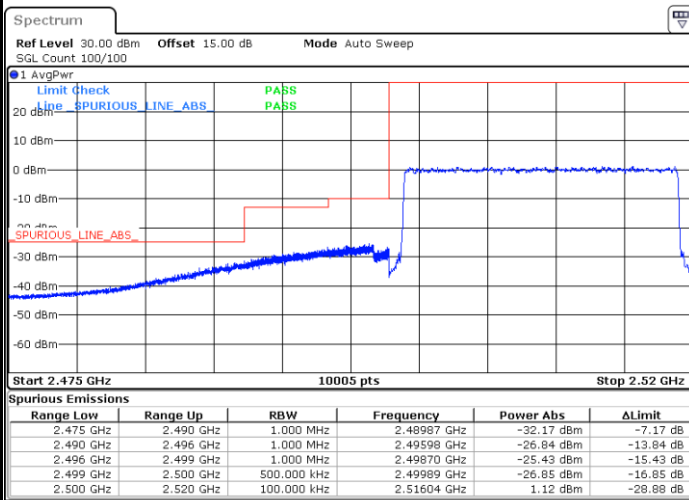
Lowest Band Edge / 1RB



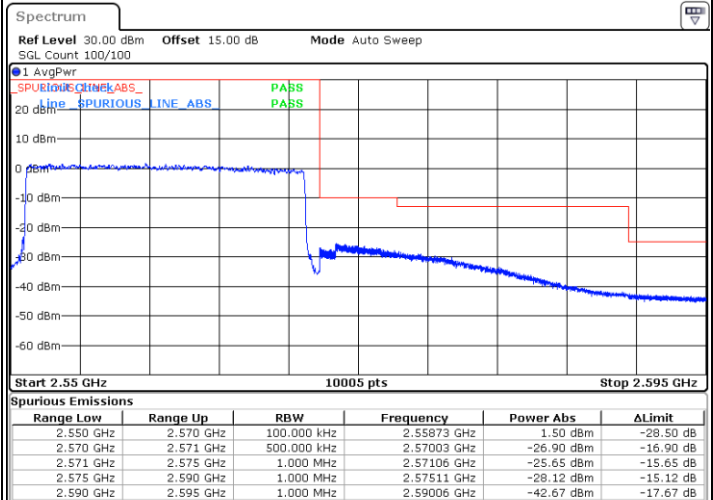
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



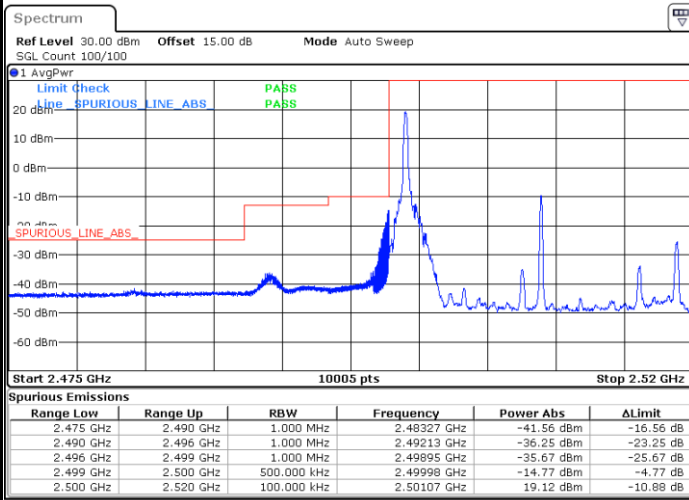
Highest Band Edge / Full RB



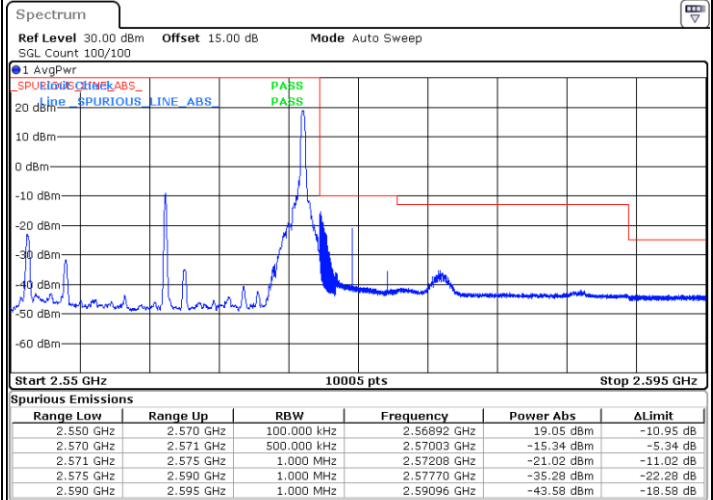


LTE Band 7 / 20MHz / 64QAM

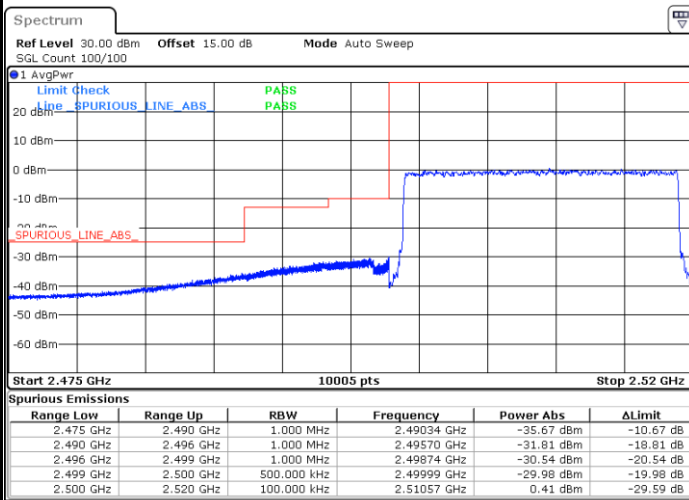
Lowest Band Edge / 1RB



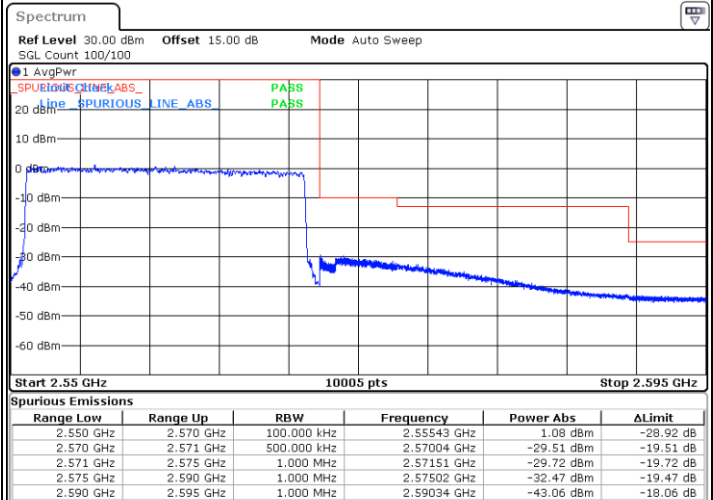
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

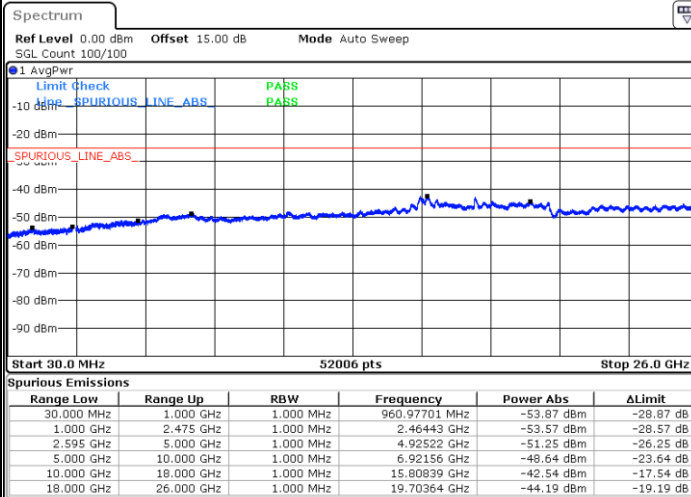




Conducted Spurious Emission

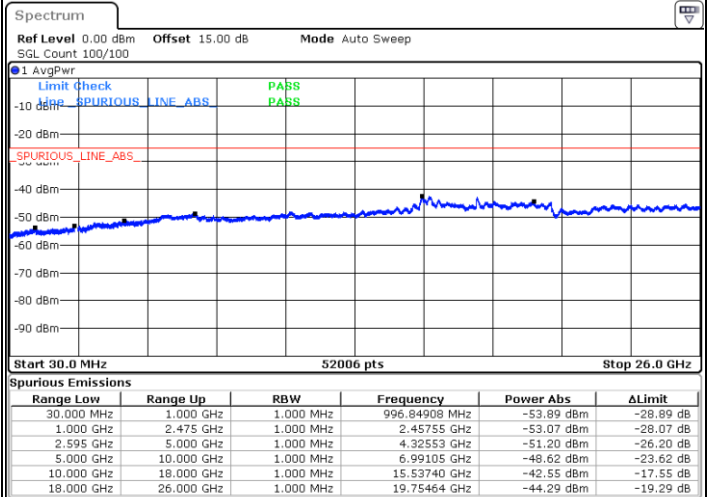
LTE Band 7 / 5MHz

Lowest Channel / QPSK



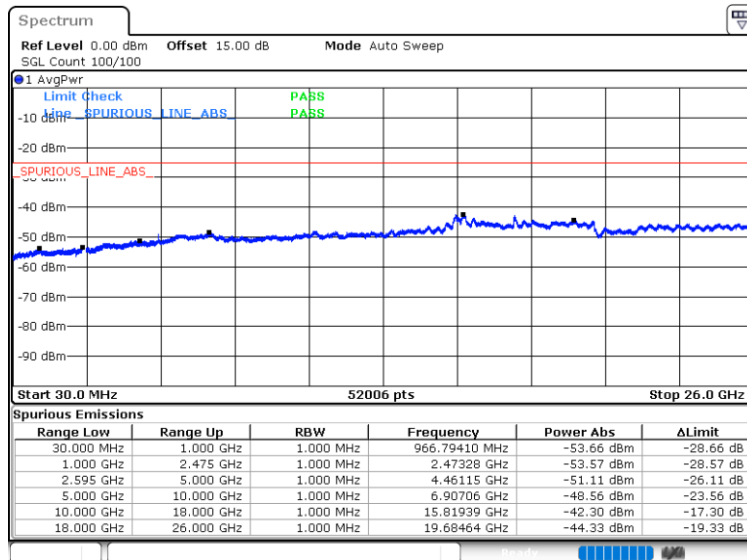
Date: 28.MAY.2025 11:47:18

Middle Channel / QPSK



Date: 28.MAY.2025 11:48:21

Highest Channel / QPSK

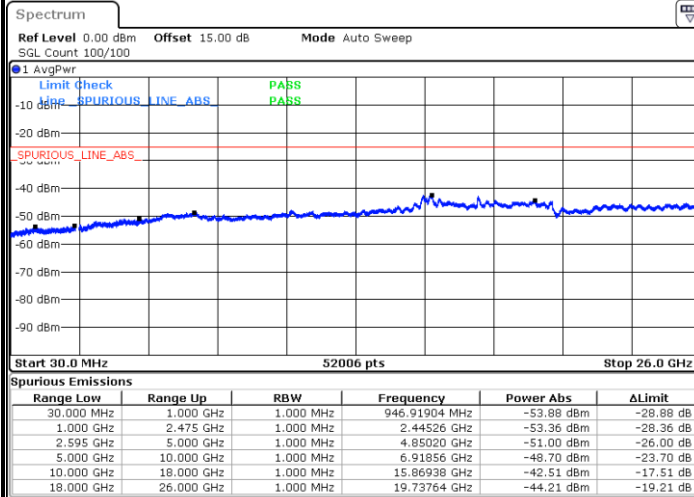


Date: 28.MAY.2025 11:55:49



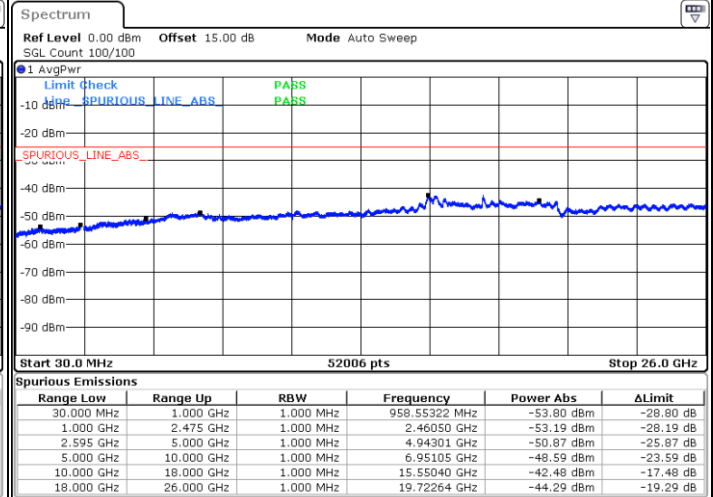
LTE Band 7 / 10MHz

Lowest Channel / QPSK



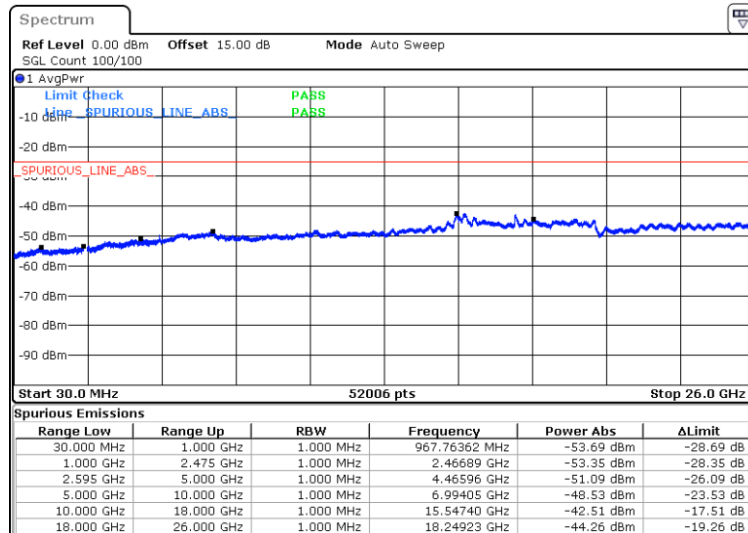
Date: 28.MAY.2025 12:03:14

Middle Channel / QPSK



Date: 28.MAY.2025 12:04:18

Highest Channel / QPSK

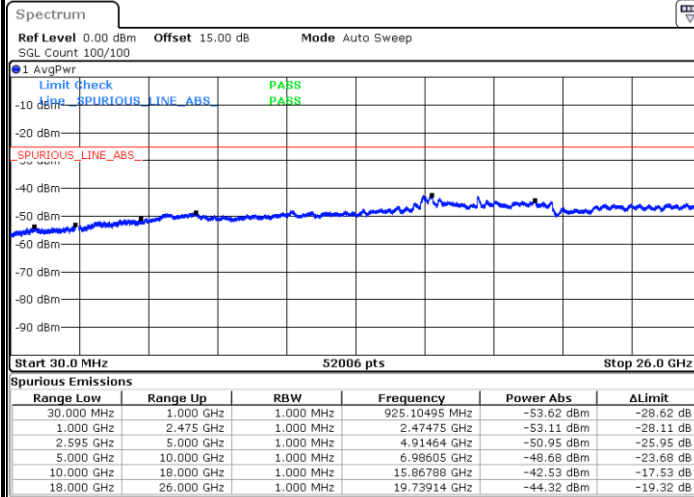


Date: 28.MAY.2025 12:11:46



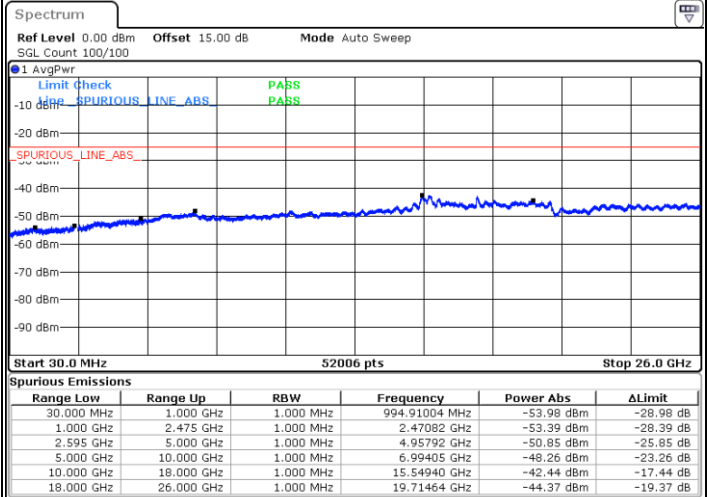
LTE Band 7 / 15MHz

Lowest Channel / QPSK



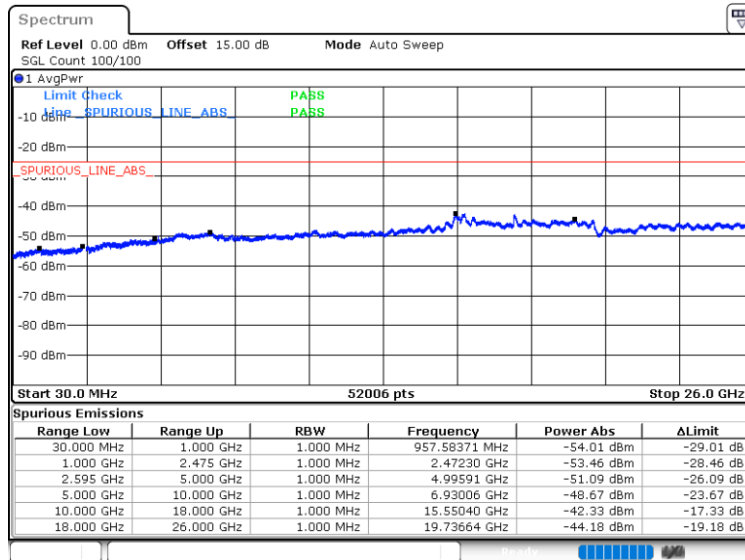
Date: 28.MAY.2025 12:19:13

Middle Channel / QPSK



Date: 28.MAY.2025 12:20:16

Highest Channel / QPSK



Date: 28.MAY.2025 12:27:45