



FCC RF Test Report

APPLICANT : TCL Communication Ltd.
EQUIPMENT : TCL LINKZONE Go 5G
BRAND NAME : TCL
MODEL NAME : MW501UV
FCC ID : 2ACCJSCD006
STANDARD : 47 CFR Part 22(H), 27(F), 27(H), 27(M)
CLASSIFICATION : PCS Licensed Transmitter (PCB)
TEST DATE(S) : Jul. 22, 2025 ~ Aug. 21, 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



Sporton International Inc. (ShenZhen)

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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	6
1.6 Maximum ERP/EIRP Power and Emission Designator	7
1.7 Testing Location	8
1.8 Test Software	8
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	11
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	12
3 CONDUCTED TEST ITEMS	15
3.1 Measuring Instruments	15
3.2 Test Setup	15
3.3 Test Result of Conducted Test	15
3.4 Conducted Output Power and ERP/EIRP	16
3.5 Peak-to-Average Ratio	18
3.6 Occupied Bandwidth	19
3.7 Conducted Band Edge	20
3.8 Conducted Spurious Emission	22
3.9 Frequency Stability	23
4 RADIATED TEST ITEMS	24
4.1 Measuring Instruments	24
4.2 Test Setup	24
4.3 Test Result of Radiated Test	25
4.4 Radiated Spurious Emission	26
5 LIST OF MEASURING EQUIPMENT	27
6 MEASUREMENT UNCERTAINTY	28
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
FG562417B	Rev. 01	Initial issue of report	Sep. 05, 2025

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	-	Report Only	-
	§22.913(a)(5)	Effective Radiated Power (Band 5)	ERP < 7 Watt	PASS	-
	§27.50(b)(10) §27.50(c)(10)	Effective Radiated Power (Band 12) (Band 13)	ERP < 3 Watt		
	§27.50(h)(2)	Equivalent Isotropic Radiated Power (Band 7)	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 §22.917(a) §27.53(c)(2)(4) §27.53(g)	Conducted Band Edge Measurement (Band 5)(Band 12) (Band 13)	< 43+10log ₁₀ (P[Watts])	PASS	-
	§27.53(m)(4)	Conducted Band Edge Measurement (Band 7)	§27.53(m)(4)		
3.8	§2.1051 §22.917(a) §27.53(c)(2) §27.53(g)	Conducted Spurious Emission (Band 5)(Band 12) (Band 13)	< 43+10log ₁₀ (P[Watts])	PASS	-
	§2.1051 §27.53(m)(4)	Conducted Spurious Emission (Band 7)	< 55+10log ₁₀ (P[Watts])		
3.9	§2.1055 §22.355	Frequency Stability Temperature & Voltage	< 2.5 ppm for Part 22	PASS	-
	§2.1055 §27.54		Within Authorized Band		
4.4	§2.1053 §22.917(a) §27.53(c)(2) §27.53(f)	Radiated Spurious Emission (Band 5)(Band 12) (Band 13)	< 43+10log ₁₀ (P[Watts])	PASS	Under limit 3.41 dB at 1559.50 MHz
	§2.1053 §27.53(m)(4)	Radiated Spurious Emission (Band 7)	< 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/manufacture 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

TCL Communication Ltd.

5/F, Building 22E, 22 Science Park East Avenue, Hong Kong Science Park, Shatin, NT, Hong Kong

1.2 Manufacturer

TCL Communication Ltd.

5/F, Building 22E, 22 Science Park East Avenue, Hong Kong Science Park, Shatin, NT, Hong Kong

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	TCL LINKZONE Go 5G
Brand Name	TCL
Model Name	MW501UV
FCC ID	2ACCJSCD006
IMEI Code	Conducted: 354431470000331 Radiation: 354431470000554
HW Version	V3.0
SW Version	VZW_MW501UV_RY_01.00_42
EUT Stage	Production Unit

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	LTE Band 5 : 824 MHz ~ 849 MHz LTE Band 7 : 2500 MHz ~ 2570 MHz LTE Band 12 : 699 MHz ~ 716 MHz LTE Band 13 : 777 MHz ~ 787 MHz
Rx Frequency	LTE Band 5 : 869 MHz ~ 894 MHz LTE Band 7 : 2620 MHz ~ 2690 MHz LTE Band 12 : 729 MHz ~ 746 MHz LTE Band 13 : 746 MHz ~ 756 MHz
Bandwidth	LTE Band 5 : 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 7 : 5MHz / 10MHz / 15MHz / 20MHz LTE Band 12 : 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 13 : 5MHz / 10MHz
Maximum Output Power to Antenna	<ANT1>: LTE Band 5 : 23.18 dBm LTE CA_5B : 22.88 dBm LTE Band 12 : 23.20 dBm LTE Band 13 : 23.40 dBm <ANT3>: LTE Band 7 : 21.30 dBm
Antenna Gain	<ANT1>: LTE Band 5 : 3.45 dBi LTE Band 12 : 1.69 dBi LTE Band 13 : 2.52 dBi <ANT3>: LTE Band 7 : 2.73 dBi
Type of Modulation	QPSK / 16QAM / 64QAM / 256QAM

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 5		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
1.4	824.7 ~ 848.3	0.2793	1M09G7D	0.2223	1M09W7D
3	825.5 ~ 847.5	0.2723	2M72G7D	0.2203	2M73W7D
5	826.5 ~ 846.5	0.2767	4M47G7D	0.2153	4M50W7D
10	829.0 ~ 844.0	0.2805	9M01G7D	0.2208	8M97W7D
LTE Band 7		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
5	2502.5 ~ 2567.5	0.2500	4M49G7D	0.1954	4M51W7D
10	2505.0 ~ 2565.0	0.2512	9M01G7D	0.1914	9M07W7D
15	2507.5 ~ 2562.5	0.2506	13M4G7D	0.1950	13M5W7D
20	2510.0 ~ 2560.0	0.2529	17M9G7D	0.1972	17M9W7D
LTE Band 12		QPSK		16QAM/64QAM/256QAM	
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	0.1862	1M09G7D	0.1476	1M09W7D
3	700.5 ~ 714.5	0.1866	2M70G7D	0.1459	2M70W7D
5	701.5 ~ 713.5	0.1875	4M50G7D	0.1455	4M48W7D
10	704.0 ~ 711.0	0.1879	9M05G7D	0.1479	9M03W7D
LTE Band 13		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
5	779.5 ~ 784.5	0.2344	4M48G7D	0.1862	4M48W7D
10	782.0	0.2382	9M07G7D	0.1866	9M01W7D



LTE Band CA_5B	QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
3MHz+5MHz	0.2582	7M61G7D	0.1995	7M59W7D
5MHz+3MHz	0.2612	7M56G7D	0.2023	7M61W7D
5MHz+10MHz	0.2594	13M9G7D	0.2018	13M9W7D
10MHz+5MHz	0.2594	13M9G7D	0.1995	13M9W7D
10MHz+10MHz	0.2618	18M9G7D	0.2032	18M8W7D

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

1.7 Testing Location

Sporton International Inc. (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 03CH03-SZ	CN1256	421272

1.8 Test Software

Item	Site	Manufacture	Name	Version
1.	03CH03-SZ	AUDIX	E3	6.2009-8-24



1.9 Applicable Standards

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

- ♦ 47 CFR Part 22(H), 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.



2 Test Configuration of Equipment Under Test

2.1 Test Mode

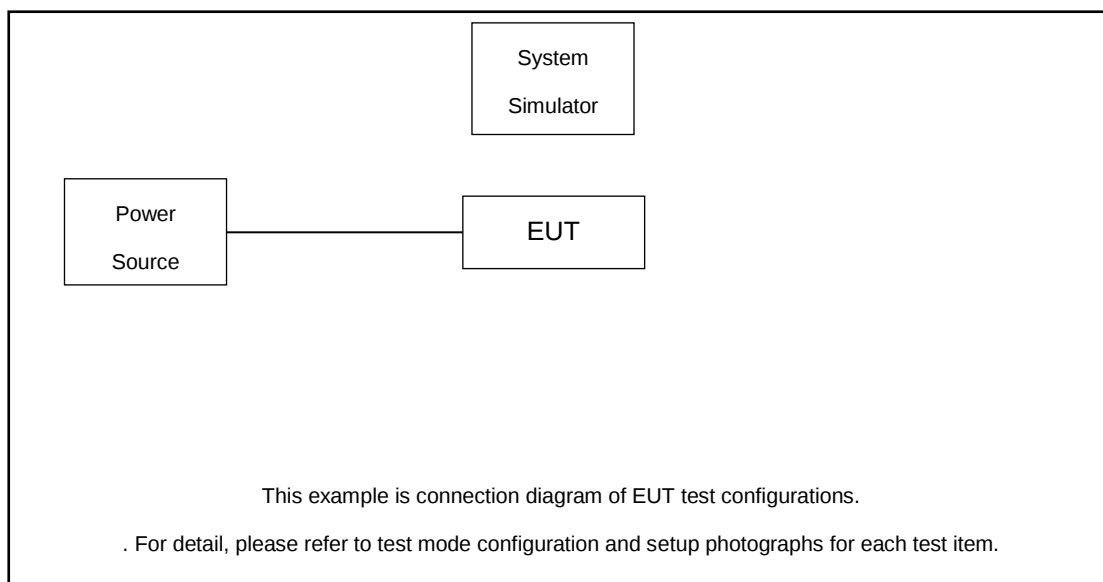
Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas License Digital Systems v03r01 with maximum output power.

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	256 QAM	1	Half	Full	L	M	H
Max. Output Power	5	v	v	v	v	-	-	v	v	v	v	v		v	v	v	v
	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
Peak-to-Average Ratio	5				v	-	-	v	v	v	v			v		v	
	7	-	-				v	v	v	v	v			v		v	
	12				v	-	-	v	v	v	v			v		v	
	13	-	-		v	-	-	v	v	v	v			v		v	
26dB and 99% Bandwidth	5	v	v	v	v	-	-	v	v					v		v	
	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	
Conducted Band Edge	5	v	v	v	v	-	-	v	v	v		v		v	v		v
	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
Conducted Spurious Emission	5	v	v	v	v	-	-	v				v			v	v	v
	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
Frequency Stability	5				v	-	-	v						v		v	
	7	-	-		v			v						v		v	
	12				v	-	-	v						v		v	
	13	-	-		v	-	-	v						v		v	
E.R.P / E.I.R.P	5	v	v	v	v	-	-	v	v	v	v	v		v	v	v	v
	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
Radiated Spurious Emission	5	Worst Case														v	
	7	Worst Case														v	
	12	Worst Case														v	
	13	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.																

Test Items	Band	Bandwidth (MHz)								Modulation				RB #			Test Channel			
		10+10	15+5	5+15	10+5	5+10	5+5	5+3	3+5	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H	
Max. Output Power	5B_CA	v	-	-	v	v	-	v	v	v	v	v	v	v			v	v	v	
26dB and 99% Bandwidth	5B_CA	v	-	-	v	v	-	v	v	v	v					v		v		
Conducted Band Edge	5B_CA	v	-	-	v	v	-	v	v	v	v	v	v	v	v	v	v		v	
Conducted Spurious Emission	5B_CA	v	-	-	v	v	-	v	v	v				v	v	v	v	v	v	
E.I.R.P.	5B_CA	v	-	-	v	v	-	v	v	v	v	v	v	v			v	v	v	
Radiated Spurious Emission	5B_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. 5. For QAM modulation mode, the whole testing has assessed 16QAM&64QAM&256QAM mode by referring to the higher conducted power																			

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 4.0 dB and 10dB attenuator.

Example :

$$\begin{aligned}\text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)} \\ &= 4.0 + 10 = 14.0 \text{ (dB)}\end{aligned}$$

2.5 Frequency List of Low/Middle/High Channels

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



LTE Band 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 5B_CA Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
3 + 5	PCC	Channel	20416	20501	20586
		Frequency	825.6	834.1	842.6
	SCC	Channel	20455	20540	20625
		Frequency	829.5	838.0	846.5
5 + 3	PCC	Channel	20425	20510	20595
		Frequency	826.5	835.0	843.5
	SCC	Channel	20464	20549	20634
		Frequency	830.4	838.9	847.4
5 + 10	PCC	Channel	20428	20478	20528
		Frequency	826.8	831.8	836.8
	SCC	Channel	20500	20550	20600
		Frequency	834	839	844
10 + 5	PCC	Channel	20450	20500	20550
		Frequency	829	834	839
	SCC	Channel	20522	20572	20622
		Frequency	836.2	841.2	846.2
10 + 10	PCC	Channel	20450	20476	20501
		Frequency	829	831.6	834.1
	SCC	Channel	20549	20575	20600
		Frequency	838.9	841.5	844

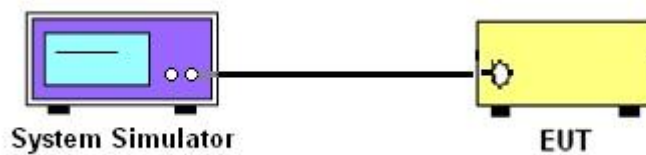
3 Conducted Test Items

3.1 Measuring Instruments

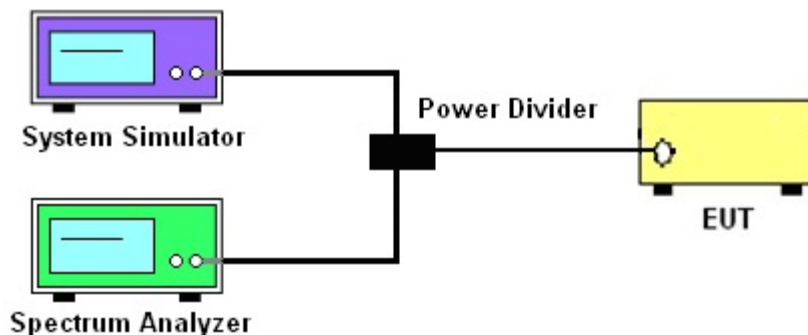
See list of measuring instruments of this test report.

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 7 Watts for LTE Band 5.

The ERP of mobile transmitters must not exceed 3 Watts for LTE Band 12 and Band 13.

The EIRP of mobile transmitters must not exceed 2 Watts for LTE Band 7.

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

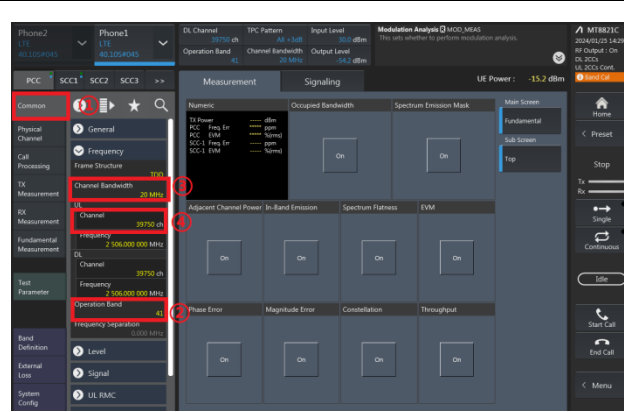
3.4.2 Test Procedures

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.

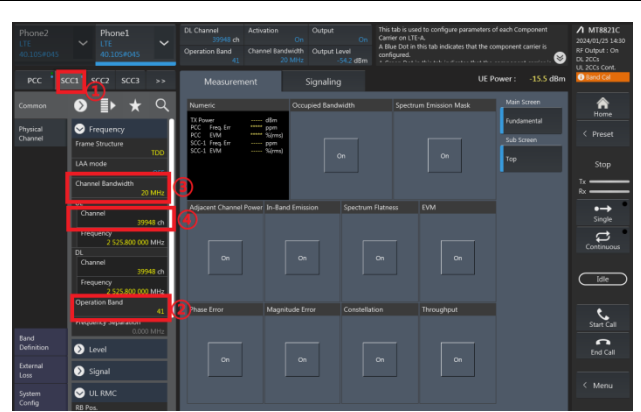
3.4.3 Test Procedures for LTE ULCA

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.

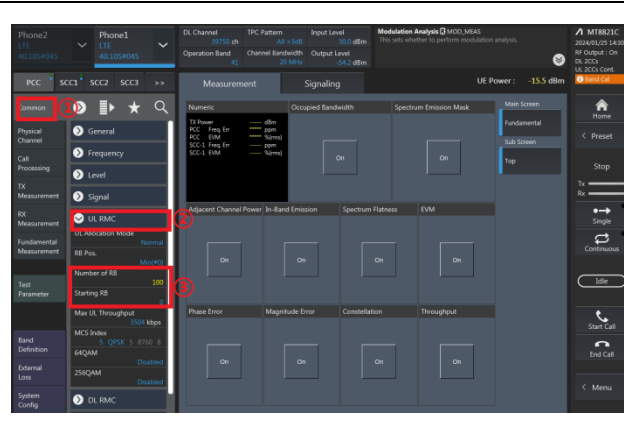
PCC config_ (Channel Bandwidth / Channel / Band)



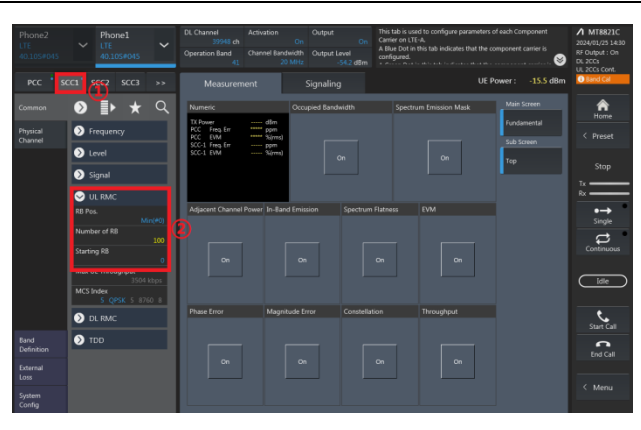
SCC config_ (Channel Bandwidth / Channel / Band)



PCC config_ (Number of RB / Starting RB)

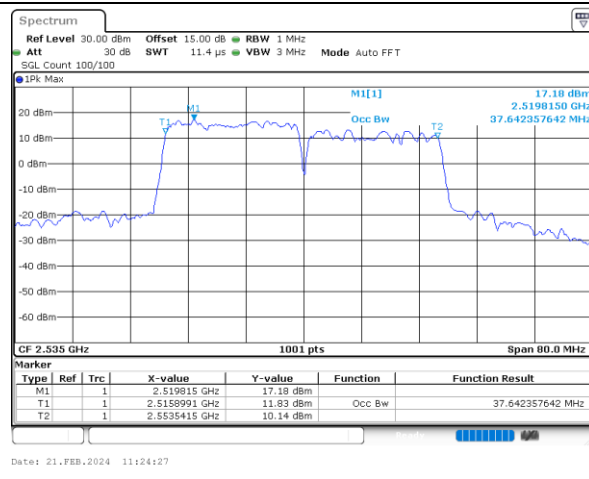


SCC config_ (Number of RB / Starting RB)

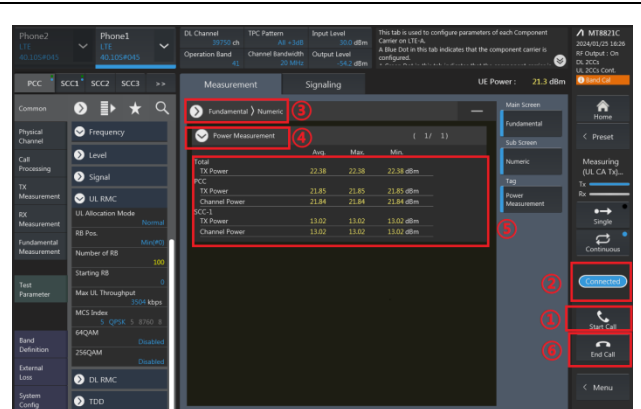


4. Select lowest, middle, and highest channels for each ULCA band and different modulation.
5. Check the ULCA spectrum and record the total power from the system simulator.

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

22.917(a)

For operations in the 824 – 849 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 100kHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

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 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% 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.
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. 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.
10. For LTE Band 7, the other 40 dB, and 55 dB have additionally applied same calculation above.
11. 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:

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)
 $= -13\text{dBm}$.
11. For Band 7
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)
 $= -25\text{dBm}$.

3.9 Frequency Stability

3.9.1 Description of Frequency Stability Measurement

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

3.9.2 Test Procedures for Temperature Variation

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

3.9.3 Test Procedures for Voltage Variation

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

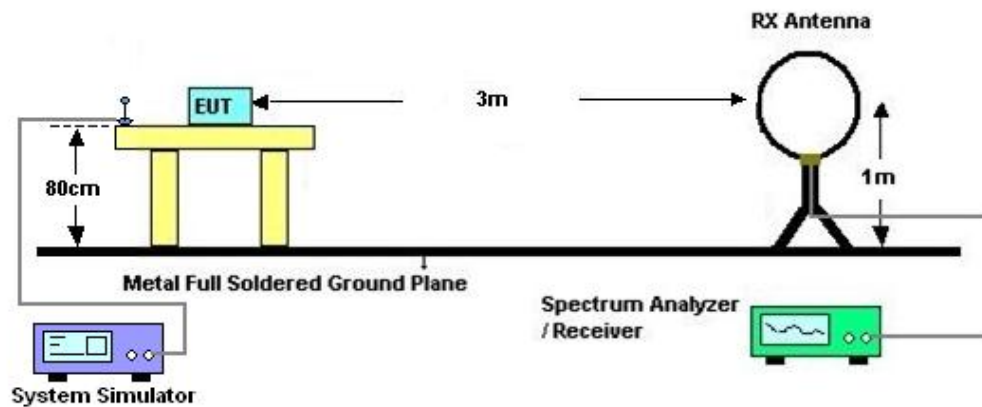
4 Radiated Test Items

4.1 Measuring Instruments

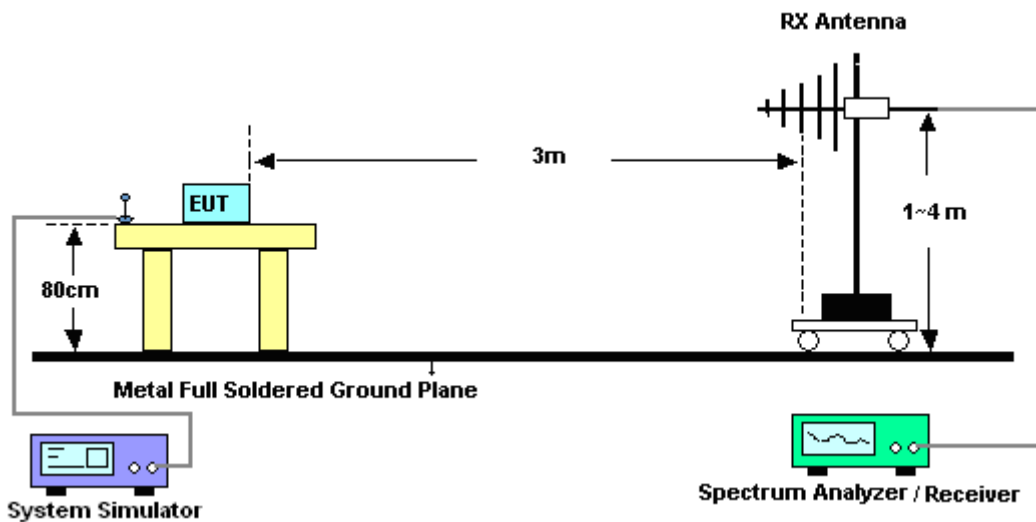
See list of measuring instruments of this test report.

4.2 Test Setup

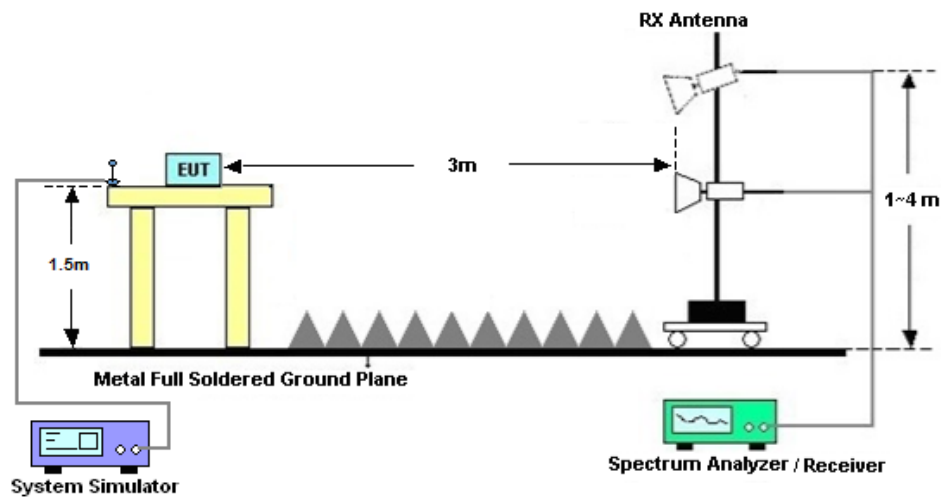
4.2.1 For radiated test below 30MHz



4.2.2 For radiated test from 30MHz to 1GHz



4.2.3 For radiated test above 1GHz



4.3 Test Result of Radiated Test

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

Please refer to Appendix B.



4.4 Radiated Spurious Emission

4.4.1 Description of Radiated Spurious Emission

The radiated spurious emission was measured by substitution method according to ANSI C63.26. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

For Band 7

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. $EIRP \text{ (dBm)} = S.G. \text{ Power} - Tx \text{ Cable Loss} + Tx \text{ Antenna Gain}$
11. $ERP \text{ (dBm)} = EIRP - 2.15$
12. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

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

13. For Band 7:

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	Jul. 22, 2025~ Aug. 06, 2025	Apr. 01, 2026	Conducted (TH01-SZ)
DC Power Supply	TTI	PL330P	290070	Max 32V , 3A	Oct.14,2024	Jul. 22, 2025~ Aug. 06, 2025	Oct. 13, 2025	Conducted (TH01-SZ)
Power Divider	Titan	P02N00518 0	923402	0.4GHz~26.5GHz	Nov. 8, 2024	Jul. 22, 2025~ Aug. 06, 2025	Nov. 7, 2025	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Jul. 02, 2025	Jul. 22, 2025~ Aug. 06, 2025	Jul. 01, 2026	Conducted (TH01-SZ)
EMI Test Receiver&SA	KEYSIGHT	N9038A	MY54450083	20Hz~8.4GHz	Apr. 02, 2025	Aug. 21, 2025	Apr. 01, 2026	Radiation (03CH03-SZ)
Loop Antenna	R&S	HFH2-Z2E	101141	9kHz~30MHz	Dec. 28, 2024	Aug. 21, 2025	Dec. 27, 2025	Radiation (03CH03-SZ)
EXA Signal Analyzer	KEYSIGHT	N9010B	MY59071191	10KHz~44GHz	Apr. 02, 2025	Aug. 21, 2025	Apr. 01, 2026	Radiation (03CH03-SZ)
Bilog Antenna	TeseQ	CBL6112D	35408	30MHz~2GHz	Aug. 19, 2025	Aug. 21, 2025	Aug. 18, 2026	Radiation (03CH03-SZ)
Double Ridege Guide Antenna	ETS-Lindgren	Burgeon-31 17	00240107	1GHz~18GHz	Jul. 13, 2025	Aug. 21, 2025	Jul.12, 2026	Radiation (03CH03-SZ)
Amplifier	EM Electronics	EM330	060756	0.01Hz ~3000MHz	Apr. 02, 2025	Aug. 21, 2025	Apr. 01, 2026	Radiation (03CH03-SZ)
HF Amplifier	MITEQ	TTA1840-35 -HG	1871923	18GHz~40GHz	Jul. 03, 2025	Aug. 21, 2025	Jul.02, 2026	Radiation (03CH03-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz~40GHz	Apr. 03, 2025	Aug. 21, 2025	Apr. 02, 2027	Radiation (03CH03-SZ)
HF Amplifier	Keysight	83017A	MY53270357	500MHz~26.5GHz	Apr. 02, 2025	Aug. 21, 2025	Apr. 01, 2026	Radiation (03CH03-SZ)
AC Power Source	Chroma	61601	616010002729	N/A	Oct. 18, 2024	Aug. 21, 2025	Oct. 17, 2025	Radiation (03CH03-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Aug. 21, 2025	NCR	Radiation (03CH03-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Aug. 21, 2025	NCR	Radiation (03CH03-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% ($U = 2Uc(y)$)	3.0 dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.6 dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.8 dB
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----- THE END -----



Appendix A. Test Results of Conducted Test

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

Conducted Output Power(Average power) and ERP

LTE Band 5_Ant 1:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP(W)		
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844	L	M	H
10	QPSK	1	0	23.17	23.18	23.15	0.2799	0.2805	0.2786
10	QPSK	1	25	23.04	23.10	23.04	0.2716	0.2754	0.2716
10	QPSK	1	49	23.16	23.17	23.01	0.2793	0.2799	0.2698
10	QPSK	25	0	22.18	22.20	22.16	0.2228	0.2239	0.2218
10	QPSK	25	12	22.17	22.10	22.05	0.2223	0.2188	0.2163
10	QPSK	25	25	22.06	22.13	22.14	0.2168	0.2203	0.2208
10	QPSK	50	0	22.16	22.18	22.15	0.2218	0.2228	0.2213
10	16QAM	1	0	22.03	22.11	22.00	0.2153	0.2193	0.2138
10	16QAM	1	25	22.02	22.14	22.06	0.2148	0.2208	0.2168
10	16QAM	1	49	22.05	22.04	22.01	0.2163	0.2158	0.2143
10	16QAM	25	0	21.10	21.11	21.00	0.1738	0.1742	0.1698
10	16QAM	25	12	21.02	21.03	21.03	0.1706	0.1710	0.1710
10	16QAM	25	25	21.15	21.12	21.08	0.1758	0.1746	0.1730
10	16QAM	50	0	21.06	21.17	21.04	0.1722	0.1766	0.1714
10	64QAM	1	0	21.08	21.06	21.08	0.1730	0.1722	0.1730
10	64QAM	1	25	21.10	21.08	21.02	0.1738	0.1730	0.1706
10	64QAM	1	49	21.12	21.15	21.09	0.1746	0.1758	0.1734
10	64QAM	25	0	20.04	20.11	20.10	0.1361	0.1384	0.1380
10	64QAM	25	12	20.09	20.17	20.10	0.1377	0.1403	0.1380
10	64QAM	25	25	20.05	20.11	20.01	0.1365	0.1384	0.1352
10	64QAM	50	0	20.04	20.13	20.01	0.1361	0.1390	0.1352
10	256QAM	1	0	18.07	18.08	18.05	0.0865	0.0867	0.0861
10	256QAM	1	25	18.06	18.06	18.13	0.0863	0.0863	0.0877
10	256QAM	1	49	18.04	18.05	18.13	0.0859	0.0861	0.0877
10	256QAM	25	0	18.11	18.05	18.09	0.0873	0.0861	0.0869
10	256QAM	25	12	18.12	18.12	18.09	0.0875	0.0875	0.0869
10	256QAM	25	25	18.09	18.14	18.12	0.0869	0.0879	0.0875
10	256QAM	50	0	18.12	18.10	18.04	0.0875	0.0871	0.0859
Channel				20425	20525	20625	ERP(W)		
Frequency (MHz)				826.5	836.5	846.5	L	M	H
5	QPSK	1	0	23.07	23.06	23.07	0.2735	0.2729	0.2735
5	QPSK	1	12	23.02	22.97	22.90	0.2704	0.2673	0.2630



5	QPSK	1	24	23.12	23.07	22.98	0.2767	0.2735	0.2679
5	QPSK	12	0	22.09	22.07	22.11	0.2183	0.2173	0.2193
5	QPSK	12	7	22.11	21.96	21.93	0.2193	0.2118	0.2104
5	QPSK	12	13	22.00	22.09	22.01	0.2138	0.2183	0.2143
5	QPSK	25	0	22.12	22.09	22.13	0.2198	0.2183	0.2203
5	16QAM	1	0	21.99	22.01	21.99	0.2133	0.2143	0.2133
5	16QAM	1	12	21.89	22.03	22.03	0.2084	0.2153	0.2153
5	16QAM	1	24	22.00	21.91	21.89	0.2138	0.2094	0.2084
5	16QAM	12	0	21.00	20.97	20.96	0.1698	0.1687	0.1683
5	16QAM	12	7	20.99	20.94	20.97	0.1694	0.1675	0.1687
5	16QAM	12	13	21.01	21.06	20.98	0.1702	0.1722	0.1690
5	16QAM	25	0	21.02	21.12	20.97	0.1706	0.1746	0.1687
5	64QAM	1	0	21.03	21.01	21.01	0.1710	0.1702	0.1702
5	64QAM	1	12	20.99	20.93	20.88	0.1694	0.1671	0.1652
5	64QAM	1	24	20.97	21.07	21.03	0.1687	0.1726	0.1710
5	64QAM	12	0	20.01	19.96	20.03	0.1352	0.1337	0.1358
5	64QAM	12	7	19.94	20.10	20.09	0.1330	0.1380	0.1377
5	64QAM	12	13	19.97	20.10	19.97	0.1340	0.1380	0.1340
5	64QAM	25	0	19.94	20.11	19.96	0.1330	0.1384	0.1337
5	256QAM	1	0	17.95	18.07	17.96	0.0841	0.0865	0.0843
5	256QAM	1	12	17.99	17.99	18.04	0.0849	0.0849	0.0859
5	256QAM	1	24	18.02	18.00	18.04	0.0855	0.0851	0.0859
5	256QAM	12	0	17.99	17.96	18.08	0.0849	0.0843	0.0867
5	256QAM	12	7	18.03	17.97	18.05	0.0857	0.0845	0.0861
5	256QAM	12	13	18.04	18.10	18.10	0.0859	0.0871	0.0871
5	256QAM	25	0	17.99	18.06	17.90	0.0849	0.0863	0.0832
Channel				20415	20525	20635	ERP(W)		
Frequency (MHz)				825.5	836.5	847.5	L	M	H
3	QPSK	1	0	23.04	23.05	23.01	0.2716	0.2723	0.2698
3	QPSK	1	8	22.91	23.04	23.02	0.2636	0.2716	0.2704
3	QPSK	1	14	23.03	23.02	22.86	0.2710	0.2704	0.2606
3	QPSK	8	0	22.09	22.15	22.15	0.2183	0.2213	0.2213
3	QPSK	8	4	22.16	22.07	22.01	0.2218	0.2173	0.2143
3	QPSK	8	7	22.05	22.07	22.05	0.2163	0.2173	0.2163
3	QPSK	15	0	22.13	22.15	22.07	0.2203	0.2213	0.2173
3	16QAM	1	0	21.95	22.06	21.95	0.2113	0.2168	0.2113
3	16QAM	1	8	21.88	22.13	22.04	0.2080	0.2203	0.2158
3	16QAM	1	14	22.00	22.01	21.93	0.2138	0.2143	0.2104
3	16QAM	8	0	20.97	20.97	20.89	0.1687	0.1687	0.1656
3	16QAM	8	4	21.01	20.91	20.98	0.1702	0.1663	0.1690
3	16QAM	8	7	21.12	21.08	20.95	0.1746	0.1730	0.1679
3	16QAM	15	0	21.05	21.11	20.93	0.1718	0.1742	0.1671
3	64QAM	1	0	21.05	20.93	20.94	0.1718	0.1671	0.1675
3	64QAM	1	8	21.00	21.02	21.01	0.1698	0.1706	0.1702
3	64QAM	1	14	21.05	21.13	21.04	0.1718	0.1750	0.1714



3	64QAM	8	0	19.98	19.97	19.99	0.1343	0.1340	0.1346
3	64QAM	8	4	20.08	20.12	19.99	0.1374	0.1387	0.1346
3	64QAM	8	7	19.95	20.04	19.87	0.1334	0.1361	0.1309
3	64QAM	15	0	20.01	20.09	19.90	0.1352	0.1377	0.1318
3	256QAM	1	0	17.92	17.97	17.96	0.0836	0.0845	0.0843
3	256QAM	1	8	17.94	18.01	18.00	0.0839	0.0853	0.0851
3	256QAM	1	14	17.89	17.91	18.04	0.0830	0.0834	0.0859
3	256QAM	8	0	18.10	17.90	18.07	0.0871	0.0832	0.0865
3	256QAM	8	4	18.02	17.97	17.95	0.0855	0.0845	0.0841
3	256QAM	8	7	18.01	18.03	17.98	0.0853	0.0857	0.0847
3	256QAM	15	0	18.02	18.01	18.02	0.0855	0.0853	0.0855
Channel				20407	20525	20643	ERP(W)		
Frequency (MHz)				824.7	836.5	848.3	L	M	H
1.4	QPSK	1	0	23.12	23.16	23.11	0.2767	0.2793	0.2761
1.4	QPSK	1	3	22.90	23.09	22.98	0.2630	0.2748	0.2679
1.4	QPSK	1	5	23.12	23.15	22.91	0.2767	0.2786	0.2636
1.4	QPSK	3	0	23.09	23.11	23.00	0.2748	0.2761	0.2692
1.4	QPSK	3	1	22.92	22.99	22.92	0.2642	0.2685	0.2642
1.4	QPSK	3	3	23.14	23.15	22.94	0.2780	0.2786	0.2655
1.4	QPSK	6	0	22.12	22.13	22.12	0.2198	0.2203	0.2198
1.4	16QAM	1	0	22.10	22.04	21.97	0.2188	0.2158	0.2123
1.4	16QAM	1	3	22.04	21.99	22.00	0.2158	0.2133	0.2138
1.4	16QAM	1	5	22.09	22.17	22.14	0.2183	0.2223	0.2208
1.4	16QAM	3	0	22.01	22.06	21.93	0.2143	0.2168	0.2104
1.4	16QAM	3	1	21.87	22.02	21.98	0.2075	0.2148	0.2128
1.4	16QAM	3	3	22.04	21.90	22.00	0.2158	0.2089	0.2138
1.4	16QAM	6	0	21.06	21.00	20.87	0.1722	0.1698	0.1648
1.4	64QAM	1	0	20.90	20.96	20.88	0.1660	0.1683	0.1652
1.4	64QAM	1	3	21.08	20.97	21.03	0.1730	0.1687	0.1710
1.4	64QAM	1	5	20.92	21.04	20.98	0.1667	0.1714	0.1690
1.4	64QAM	3	0	20.96	20.92	21.02	0.1683	0.1667	0.1706
1.4	64QAM	3	1	21.05	20.99	20.96	0.1718	0.1694	0.1683
1.4	64QAM	3	3	21.04	21.03	21.07	0.1714	0.1710	0.1726
1.4	64QAM	6	0	19.92	20.08	20.00	0.1324	0.1374	0.1349
1.4	256QAM	1	0	17.98	17.99	18.04	0.0847	0.0849	0.0859
1.4	256QAM	1	3	17.97	18.05	17.98	0.0845	0.0861	0.0847
1.4	256QAM	1	5	17.98	18.01	18.11	0.0847	0.0853	0.0873
1.4	256QAM	3	0	18.07	17.94	18.03	0.0865	0.0839	0.0857
1.4	256QAM	3	1	18.08	17.99	18.05	0.0867	0.0849	0.0861
1.4	256QAM	3	3	18.07	18.05	17.97	0.0865	0.0861	0.0845
1.4	256QAM	6	0	18.05	17.99	17.91	0.0861	0.0849	0.0834



LTE Band 7_Ant 3:

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	21.15	21.30	21.28	0.2443	0.2529	0.2518
20	QPSK	1	49	21.13	21.25	21.22	0.2432	0.2500	0.2483
20	QPSK	1	99	21.11	21.27	21.25	0.2421	0.2512	0.2500
20	QPSK	50	0	20.16	20.28	20.26	0.1945	0.2000	0.1991
20	QPSK	50	24	20.11	20.25	20.23	0.1923	0.1986	0.1977
20	QPSK	50	50	20.13	20.23	20.21	0.1932	0.1977	0.1968
20	QPSK	100	0	20.15	20.26	20.23	0.1941	0.1991	0.1977
20	16QAM	1	0	20.02	20.16	20.19	0.1884	0.1945	0.1959
20	16QAM	1	49	20.08	20.19	20.17	0.1910	0.1959	0.1950
20	16QAM	1	99	20.03	20.12	20.22	0.1888	0.1928	0.1972
20	16QAM	50	0	19.07	19.17	19.19	0.1514	0.1549	0.1556
20	16QAM	50	24	19.06	19.20	19.09	0.1510	0.1560	0.1521
20	16QAM	50	50	19.00	19.23	19.11	0.1489	0.1570	0.1528
20	16QAM	100	0	19.04	19.16	19.18	0.1503	0.1545	0.1552
20	64QAM	1	0	19.01	19.20	19.12	0.1493	0.1560	0.1531
20	64QAM	1	49	19.05	19.18	19.16	0.1507	0.1552	0.1545
20	64QAM	1	99	19.05	19.12	19.21	0.1507	0.1531	0.1563
20	64QAM	50	0	18.11	18.24	18.08	0.1213	0.1250	0.1205
20	64QAM	50	24	18.03	18.19	18.15	0.1191	0.1236	0.1225
20	64QAM	50	50	18.03	18.24	18.15	0.1191	0.1250	0.1225
20	64QAM	100	0	18.02	18.15	18.18	0.1189	0.1225	0.1233
20	256QAM	1	0	16.05	16.23	16.14	0.0755	0.0787	0.0771
20	256QAM	1	49	16.04	16.19	16.12	0.0753	0.0780	0.0767
20	256QAM	1	99	16.00	16.22	16.09	0.0746	0.0785	0.0762
20	256QAM	50	0	16.05	16.13	16.12	0.0755	0.0769	0.0767
20	256QAM	50	24	16.00	16.16	16.16	0.0746	0.0774	0.0774
20	256QAM	50	50	16.02	16.24	16.12	0.0750	0.0789	0.0767
20	256QAM	100	0	16.04	16.16	16.08	0.0753	0.0774	0.0760
Channel				20825	21100	21375	EIRP(W)		
Frequency (MHz)				2507.5	2535	2562.5	L	M	H
15	QPSK	1	0	21.04	21.26	21.26	0.2382	0.2506	0.2506
15	QPSK	1	37	21.01	21.14	21.17	0.2366	0.2438	0.2455
15	QPSK	1	74	21.09	21.18	21.20	0.2410	0.2460	0.2472
15	QPSK	36	0	20.12	20.22	20.21	0.1928	0.1972	0.1968
15	QPSK	36	20	20.02	20.18	20.10	0.1884	0.1954	0.1919
15	QPSK	36	39	20.12	20.15	20.07	0.1928	0.1941	0.1905
15	QPSK	75	0	20.09	20.16	20.08	0.1914	0.1945	0.1910
15	16QAM	1	0	19.96	20.11	20.17	0.1858	0.1923	0.1950
15	16QAM	1	37	20.04	20.16	20.11	0.1892	0.1945	0.1923
15	16QAM	1	74	19.98	20.09	20.07	0.1866	0.1914	0.1905



15	16QAM	36	0	19.00	19.14	19.16	0.1489	0.1538	0.1545
15	16QAM	36	20	18.93	19.12	19.00	0.1466	0.1531	0.1489
15	16QAM	36	39	18.96	19.19	19.02	0.1476	0.1556	0.1496
15	16QAM	75	0	18.93	19.01	19.09	0.1466	0.1493	0.1521
15	64QAM	1	0	18.88	19.15	19.00	0.1449	0.1542	0.1489
15	64QAM	1	37	19.01	19.07	19.10	0.1493	0.1514	0.1524
15	64QAM	1	74	18.99	19.05	19.09	0.1486	0.1507	0.1521
15	64QAM	36	0	18.10	18.14	17.99	0.1211	0.1222	0.1180
15	64QAM	36	20	17.92	18.16	18.08	0.1161	0.1227	0.1205
15	64QAM	36	39	17.98	18.11	18.04	0.1178	0.1213	0.1194
15	64QAM	75	0	17.89	18.09	18.06	0.1153	0.1208	0.1199
15	256QAM	1	0	16.03	16.22	16.02	0.0752	0.0785	0.0750
15	256QAM	1	37	15.98	16.10	16.05	0.0743	0.0764	0.0755
15	256QAM	1	74	15.92	16.11	16.03	0.0733	0.0766	0.0752
15	256QAM	36	0	15.90	16.05	16.00	0.0729	0.0755	0.0746
15	256QAM	36	20	15.87	16.08	16.03	0.0724	0.0760	0.0752
15	256QAM	36	39	15.88	16.11	16.04	0.0726	0.0766	0.0753
15	256QAM	75	0	15.97	16.02	16.00	0.0741	0.0750	0.0746
Channel				20800	21100	21400	EIRP(W)		
Frequency (MHz)				2505	2535	2565	L	M	H
10	QPSK	1	0	21.07	21.20	21.27	0.2399	0.2472	0.2512
10	QPSK	1	25	20.99	21.20	21.15	0.2355	0.2472	0.2443
10	QPSK	1	49	21.03	21.20	21.12	0.2377	0.2472	0.2427
10	QPSK	25	0	20.01	20.26	20.23	0.1879	0.1991	0.1977
10	QPSK	25	12	20.02	20.23	20.20	0.1884	0.1977	0.1963
10	QPSK	25	25	20.00	20.09	20.16	0.1875	0.1914	0.1945
10	QPSK	50	0	20.03	20.16	20.18	0.1888	0.1945	0.1954
10	16QAM	1	0	19.93	20.09	20.07	0.1845	0.1914	0.1905
10	16QAM	1	25	20.05	20.07	20.09	0.1897	0.1905	0.1914
10	16QAM	1	49	19.90	20.00	20.07	0.1832	0.1875	0.1905
10	16QAM	25	0	19.04	19.09	19.09	0.1503	0.1521	0.1521
10	16QAM	25	12	19.04	19.12	19.06	0.1503	0.1531	0.1510
10	16QAM	25	25	18.95	19.10	19.10	0.1472	0.1524	0.1524
10	16QAM	50	0	18.96	19.06	19.06	0.1476	0.1510	0.1510
10	64QAM	1	0	18.90	19.11	19.05	0.1455	0.1528	0.1507
10	64QAM	1	25	18.93	19.16	19.08	0.1466	0.1545	0.1517
10	64QAM	1	49	19.02	19.00	19.14	0.1496	0.1489	0.1538
10	64QAM	25	0	18.05	18.09	18.07	0.1197	0.1208	0.1202
10	64QAM	25	12	17.89	18.13	18.01	0.1153	0.1219	0.1186
10	64QAM	25	25	17.98	18.16	18.03	0.1178	0.1227	0.1191
10	64QAM	50	0	18.01	18.09	18.14	0.1186	0.1208	0.1222
10	256QAM	1	0	16.04	16.19	16.09	0.0753	0.0780	0.0762
10	256QAM	1	25	16.01	16.11	16.06	0.0748	0.0766	0.0757
10	256QAM	1	49	15.99	16.11	16.07	0.0745	0.0766	0.0759
10	256QAM	25	0	15.94	16.12	16.07	0.0736	0.0767	0.0759



10	256QAM	25	12	15.96	16.07	16.06	0.0740	0.0759	0.0757
10	256QAM	25	25	15.87	16.12	16.04	0.0724	0.0767	0.0753
10	256QAM	50	0	15.97	16.05	15.97	0.0741	0.0755	0.0741
Channel				20775	21100	21425	EIRP(W)		
Frequency (MHz)				2502.5	2535	2567.5	L	M	H
5	QPSK	1	0	21.12	21.21	21.20	0.2427	0.2477	0.2472
5	QPSK	1	12	21.10	21.23	21.07	0.2415	0.2489	0.2399
5	QPSK	1	24	21.09	21.25	21.23	0.2410	0.2500	0.2489
5	QPSK	12	0	20.12	20.13	20.19	0.1928	0.1932	0.1959
5	QPSK	12	7	20.03	20.13	20.17	0.1888	0.1932	0.1950
5	QPSK	12	13	20.05	20.22	20.08	0.1897	0.1972	0.1910
5	QPSK	25	0	20.12	20.11	20.09	0.1928	0.1923	0.1914
5	16QAM	1	0	19.90	20.12	20.18	0.1832	0.1928	0.1954
5	16QAM	1	12	20.01	20.18	20.15	0.1879	0.1954	0.1941
5	16QAM	1	24	19.89	19.98	20.13	0.1828	0.1866	0.1932
5	16QAM	12	0	18.93	19.08	19.14	0.1466	0.1517	0.1538
5	16QAM	12	7	18.98	19.18	19.06	0.1483	0.1552	0.1510
5	16QAM	12	13	18.93	19.19	19.04	0.1466	0.1556	0.1503
5	16QAM	25	0	18.98	19.12	19.15	0.1483	0.1531	0.1542
5	64QAM	1	0	18.92	19.06	19.05	0.1462	0.1510	0.1507
5	64QAM	1	12	19.01	19.13	19.07	0.1493	0.1535	0.1514
5	64QAM	1	24	19.00	19.07	19.13	0.1489	0.1514	0.1535
5	64QAM	12	0	18.09	18.10	17.93	0.1208	0.1211	0.1164
5	64QAM	12	7	18.02	18.10	18.06	0.1189	0.1211	0.1199
5	64QAM	12	13	17.96	18.21	18.03	0.1172	0.1242	0.1191
5	64QAM	25	0	18.00	18.07	18.05	0.1183	0.1202	0.1197
5	256QAM	1	0	16.00	16.14	16.00	0.0746	0.0771	0.0746
5	256QAM	1	12	15.94	16.14	16.08	0.0736	0.0771	0.0760
5	256QAM	1	24	15.91	16.21	16.00	0.0731	0.0783	0.0746
5	256QAM	12	0	16.04	15.98	16.02	0.0753	0.0743	0.0750
5	256QAM	12	7	15.91	16.11	16.10	0.0731	0.0766	0.0764
5	256QAM	12	13	15.95	16.19	16.07	0.0738	0.0780	0.0759
5	256QAM	25	0	15.92	16.10	16.03	0.0733	0.0764	0.0752



LTE Band 12_Ant 1:

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	23.18	23.20	23.17	0.1871	0.1879	0.1866
10	QPSK	1	25	23.16	23.17	23.16	0.1862	0.1866	0.1862
10	QPSK	1	49	23.16	23.15	23.07	0.1862	0.1858	0.1824
10	QPSK	25	0	22.16	22.18	22.15	0.1479	0.1486	0.1476
10	QPSK	25	12	22.07	22.03	22.02	0.1449	0.1435	0.1432
10	QPSK	25	25	22.01	22.15	22.00	0.1429	0.1476	0.1426
10	QPSK	50	0	22.15	22.17	22.13	0.1476	0.1483	0.1469
10	16QAM	1	0	22.11	22.12	21.99	0.1462	0.1466	0.1422
10	16QAM	1	25	22.14	22.16	22.10	0.1472	0.1479	0.1459
10	16QAM	1	49	22.05	22.12	22.11	0.1442	0.1466	0.1462
10	16QAM	25	0	21.02	21.13	20.98	0.1138	0.1167	0.1127
10	16QAM	25	12	21.01	21.03	21.03	0.1135	0.1140	0.1140
10	16QAM	25	25	21.10	21.13	20.98	0.1159	0.1167	0.1127
10	16QAM	50	0	21.01	21.08	21.08	0.1135	0.1153	0.1153
10	64QAM	1	0	21.04	21.10	21.10	0.1143	0.1159	0.1159
10	64QAM	1	25	21.10	21.06	21.07	0.1159	0.1148	0.1151
10	64QAM	1	49	21.05	21.13	21.06	0.1146	0.1167	0.1148
10	64QAM	25	0	20.11	20.12	20.01	0.0923	0.0925	0.0902
10	64QAM	25	12	20.02	20.14	20.03	0.0904	0.0929	0.0906
10	64QAM	25	25	20.02	20.06	20.00	0.0904	0.0912	0.0899
10	64QAM	50	0	20.06	20.05	19.99	0.0912	0.0910	0.0897
10	256QAM	1	0	18.09	18.03	18.10	0.0579	0.0571	0.0581
10	256QAM	1	25	18.09	18.15	18.07	0.0579	0.0587	0.0577
10	256QAM	1	49	18.02	18.08	18.07	0.0570	0.0578	0.0577
10	256QAM	25	0	18.03	18.05	18.03	0.0571	0.0574	0.0571
10	256QAM	25	12	18.14	18.14	18.04	0.0586	0.0586	0.0573
10	256QAM	25	25	18.10	18.16	18.08	0.0581	0.0589	0.0578
10	256QAM	50	0	18.04	18.12	18.11	0.0573	0.0583	0.0582
Channel				23035	23095	23155	ERP(W)		
Frequency (MHz)				701.5	707.5	713.5	L	M	H
5	QPSK	1	0	23.15	23.19	23.07	0.1858	0.1875	0.1824
5	QPSK	1	12	23.04	23.03	23.08	0.1811	0.1807	0.1828
5	QPSK	1	24	23.12	23.07	23.05	0.1845	0.1824	0.1816
5	QPSK	12	0	22.03	22.05	22.01	0.1435	0.1442	0.1429
5	QPSK	12	7	22.04	21.88	21.89	0.1439	0.1387	0.1390
5	QPSK	12	13	21.96	22.11	21.89	0.1413	0.1462	0.1390
5	QPSK	25	0	22.08	22.15	22.04	0.1452	0.1476	0.1439
5	16QAM	1	0	22.09	22.06	21.93	0.1455	0.1445	0.1403
5	16QAM	1	12	22.07	22.08	22.05	0.1449	0.1452	0.1442
5	16QAM	1	24	21.91	22.09	22.01	0.1396	0.1455	0.1429



5	16QAM	12	0	21.00	21.04	20.89	0.1132	0.1143	0.1104
5	16QAM	12	7	20.95	21.02	20.89	0.1119	0.1138	0.1104
5	16QAM	12	13	21.03	21.10	20.97	0.1140	0.1159	0.1125
5	16QAM	25	0	20.86	21.04	20.97	0.1096	0.1143	0.1125
5	64QAM	1	0	20.89	21.01	21.02	0.1104	0.1135	0.1138
5	64QAM	1	12	21.08	20.99	20.93	0.1153	0.1130	0.1114
5	64QAM	1	24	21.02	21.09	20.99	0.1138	0.1156	0.1130
5	64QAM	12	0	19.96	20.10	19.87	0.0891	0.0920	0.0873
5	64QAM	12	7	19.91	20.02	19.97	0.0881	0.0904	0.0893
5	64QAM	12	13	19.96	20.00	19.87	0.0891	0.0899	0.0873
5	64QAM	25	0	20.01	19.98	19.95	0.0902	0.0895	0.0889
5	256QAM	1	0	17.94	17.88	18.05	0.0560	0.0552	0.0574
5	256QAM	1	12	18.04	18.12	18.04	0.0573	0.0583	0.0573
5	256QAM	1	24	17.99	17.97	17.98	0.0566	0.0564	0.0565
5	256QAM	12	0	17.90	18.02	17.91	0.0555	0.0570	0.0556
5	256QAM	12	7	18.12	18.06	17.99	0.0583	0.0575	0.0566
5	256QAM	12	13	18.02	18.01	18.02	0.0570	0.0569	0.0570
5	256QAM	25	0	17.99	18.05	18.09	0.0566	0.0574	0.0579
Channel				23025	23095	23165	ERP(W)		
Frequency (MHz)				700.5	707.5	714.5	L	M	H
3	QPSK	1	0	23.15	23.17	23.03	0.1858	0.1866	0.1807
3	QPSK	1	8	23.15	23.09	23.06	0.1858	0.1832	0.1820
3	QPSK	1	14	23.09	23.08	22.99	0.1832	0.1828	0.1791
3	QPSK	8	0	22.04	22.16	22.02	0.1439	0.1479	0.1432
3	QPSK	8	4	21.93	21.88	22.00	0.1403	0.1387	0.1426
3	QPSK	8	7	21.94	22.00	21.99	0.1406	0.1426	0.1422
3	QPSK	15	0	22.05	22.04	22.11	0.1442	0.1439	0.1462
3	16QAM	1	0	22.00	22.08	21.86	0.1426	0.1452	0.1380
3	16QAM	1	8	22.07	22.10	21.96	0.1449	0.1459	0.1413
3	16QAM	1	14	22.01	22.04	22.07	0.1429	0.1439	0.1449
3	16QAM	8	0	21.01	21.09	20.97	0.1135	0.1156	0.1125
3	16QAM	8	4	20.89	20.97	21.01	0.1104	0.1125	0.1135
3	16QAM	8	7	20.96	21.08	20.97	0.1122	0.1153	0.1125
3	16QAM	15	0	20.91	20.96	20.93	0.1109	0.1122	0.1114
3	64QAM	1	0	20.93	20.95	21.01	0.1114	0.1119	0.1135
3	64QAM	1	8	21.05	20.95	21.00	0.1146	0.1119	0.1132
3	64QAM	1	14	20.96	21.02	20.93	0.1122	0.1138	0.1114
3	64QAM	8	0	20.02	20.10	19.86	0.0904	0.0920	0.0871
3	64QAM	8	4	19.99	20.03	20.01	0.0897	0.0906	0.0902
3	64QAM	8	7	19.88	20.05	19.90	0.0875	0.0910	0.0879
3	64QAM	15	0	20.04	19.91	19.94	0.0908	0.0881	0.0887
3	256QAM	1	0	18.05	18.01	17.96	0.0574	0.0569	0.0562
3	256QAM	1	8	18.08	18.09	17.92	0.0578	0.0579	0.0557
3	256QAM	1	14	17.99	17.99	17.98	0.0566	0.0566	0.0565
3	256QAM	8	0	17.97	18.04	17.89	0.0564	0.0573	0.0553



3	256QAM	8	4	18.11	18.13	18.03	0.0582	0.0585	0.0571
3	256QAM	8	7	17.95	18.03	18.03	0.0561	0.0571	0.0571
3	256QAM	15	0	18.03	18.06	17.99	0.0571	0.0575	0.0566
Channel				23017	23095	23173	ERP(W)		
Frequency (MHz)				699.7	707.5	715.3	L	M	H
1.4	QPSK	1	0	23.06	23.10	23.16	0.1820	0.1837	0.1862
1.4	QPSK	1	3	23.12	23.06	23.05	0.1845	0.1820	0.1816
1.4	QPSK	1	5	23.06	23.13	22.99	0.1820	0.1849	0.1791
1.4	QPSK	3	0	23.03	23.15	23.06	0.1807	0.1858	0.1820
1.4	QPSK	3	1	23.12	23.07	23.12	0.1845	0.1824	0.1845
1.4	QPSK	3	3	23.02	23.05	23.05	0.1803	0.1816	0.1816
1.4	QPSK	6	0	22.07	22.11	22.10	0.1449	0.1462	0.1459
1.4	16QAM	1	0	22.03	21.88	21.94	0.1435	0.1387	0.1406
1.4	16QAM	1	3	21.87	22.00	21.97	0.1384	0.1426	0.1416
1.4	16QAM	1	5	22.00	22.12	22.00	0.1426	0.1466	0.1426
1.4	16QAM	3	0	22.04	22.06	21.84	0.1439	0.1445	0.1374
1.4	16QAM	3	1	22.03	22.15	22.04	0.1435	0.1476	0.1439
1.4	16QAM	3	3	22.04	22.00	21.97	0.1439	0.1426	0.1416
1.4	16QAM	6	0	20.89	21.07	20.89	0.1104	0.1151	0.1104
1.4	64QAM	1	0	20.95	20.92	20.93	0.1119	0.1112	0.1114
1.4	64QAM	1	3	21.08	21.10	20.97	0.1153	0.1159	0.1125
1.4	64QAM	1	5	20.94	20.93	21.05	0.1117	0.1114	0.1146
1.4	64QAM	3	0	21.00	21.05	21.00	0.1132	0.1146	0.1132
1.4	64QAM	3	1	20.97	21.02	20.96	0.1125	0.1138	0.1122
1.4	64QAM	3	3	21.03	21.04	21.04	0.1140	0.1143	0.1143
1.4	64QAM	6	0	20.10	20.11	19.87	0.0920	0.0923	0.0873
1.4	256QAM	1	0	18.07	17.99	18.04	0.0577	0.0566	0.0573
1.4	256QAM	1	3	17.95	18.01	17.97	0.0561	0.0569	0.0564
1.4	256QAM	1	5	17.96	18.03	18.01	0.0562	0.0571	0.0569
1.4	256QAM	3	0	17.92	17.92	17.88	0.0557	0.0557	0.0552
1.4	256QAM	3	1	18.06	18.01	17.89	0.0575	0.0569	0.0553
1.4	256QAM	3	3	17.99	18.08	18.07	0.0566	0.0578	0.0577
1.4	256QAM	6	0	18.03	18.08	18.10	0.0571	0.0578	0.0581



LTE Band 13_Ant 1:

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		23.40			0.2382	
10	QPSK	1	25		23.29			0.2323	
10	QPSK	1	49		23.34			0.2350	
10	QPSK	25	0		22.38			0.1884	
10	QPSK	25	12		22.33			0.1862	
10	QPSK	25	25		22.29			0.1845	
10	QPSK	50	0		22.37			0.1879	
10	16QAM	1	0		22.30			0.1849	
10	16QAM	1	25		22.34			0.1866	
10	16QAM	1	49		22.24			0.1824	
10	16QAM	25	0		21.31			0.1472	
10	16QAM	25	12		21.30			0.1469	
10	16QAM	25	25		21.33			0.1479	
10	16QAM	50	0		21.34			0.1483	
10	64QAM	1	0		21.30			0.1469	
10	64QAM	1	25		21.35			0.1486	
10	64QAM	1	49		21.33			0.1479	
10	64QAM	25	0		20.29			0.1164	
10	64QAM	25	12		20.34			0.1178	
10	64QAM	25	25		20.26			0.1156	
10	64QAM	50	0		20.22			0.1146	
10	256QAM	1	0		18.35			0.0745	
10	256QAM	1	25		18.30			0.0736	
10	256QAM	1	49		18.24			0.0726	
10	256QAM	25	0		18.30			0.0736	
10	256QAM	25	12		18.36			0.0746	
10	256QAM	25	25		18.28			0.0733	
10	256QAM	50	0		18.27			0.0731	
Channel				23205	23230	23255	ERP(W)		
Frequency (MHz)				779.5	782	784.5	L	M	H
5	QPSK	1	0	23.33	23.26	23.26	0.2344	0.2307	0.2307
5	QPSK	1	12	23.21	23.24	23.24	0.2280	0.2296	0.2296
5	QPSK	1	24	23.31	23.20	23.24	0.2333	0.2275	0.2296
5	QPSK	12	0	22.25	22.36	22.23	0.1828	0.1875	0.1820
5	QPSK	12	7	22.24	22.27	22.27	0.1824	0.1837	0.1837
5	QPSK	12	13	22.22	22.14	22.14	0.1816	0.1782	0.1782
5	QPSK	25	0	22.32	22.31	22.23	0.1858	0.1854	0.1820
5	16QAM	1	0	22.26	22.22	22.22	0.1832	0.1816	0.1816
5	16QAM	1	12	22.22	22.23	22.33	0.1816	0.1820	0.1862
5	16QAM	1	24	22.10	22.09	22.13	0.1766	0.1762	0.1778



5	16QAM	12	0	21.27	21.23	21.28	0.1459	0.1445	0.1462
5	16QAM	12	7	21.24	21.20	21.17	0.1449	0.1435	0.1426
5	16QAM	12	13	21.20	21.26	21.19	0.1435	0.1455	0.1432
5	16QAM	25	0	21.27	21.32	21.29	0.1459	0.1476	0.1466
5	64QAM	1	0	21.28	21.20	21.25	0.1462	0.1435	0.1452
5	64QAM	1	12	21.28	21.31	21.32	0.1462	0.1472	0.1476
5	64QAM	1	24	21.28	21.31	21.20	0.1462	0.1472	0.1435
5	64QAM	12	0	20.20	20.15	20.28	0.1140	0.1127	0.1161
5	64QAM	12	7	20.32	20.23	20.24	0.1172	0.1148	0.1151
5	64QAM	12	13	20.18	20.22	20.14	0.1135	0.1146	0.1125
5	64QAM	25	0	20.13	20.18	20.10	0.1122	0.1135	0.1114
5	256QAM	1	0	18.27	18.31	18.21	0.0731	0.0738	0.0721
5	256QAM	1	12	18.27	18.20	18.28	0.0731	0.0719	0.0733
5	256QAM	1	24	18.20	18.16	18.22	0.0719	0.0713	0.0723
5	256QAM	12	0	18.19	18.25	18.19	0.0718	0.0728	0.0718
5	256QAM	12	7	18.30	18.24	18.23	0.0736	0.0726	0.0724
5	256QAM	12	13	18.17	18.21	18.22	0.0714	0.0721	0.0723
5	256QAM	25	0	18.12	18.13	18.13	0.0706	0.0708	0.0708



LTE CA_5B_Ant 1:

Combination 10MHz+10MHz (50RB+50RB)							
Channel	Modulation	PCC		SCC		Measured Power	ERP(W)
		RB Size	RB offset	RB Size	RB offset		
L 20450_20549	QPSK	Max	0	Max	0	20.85	0.1641
	QPSK	1	0	1	Max	14.31	0.0364
	QPSK	1	Max	1	0	22.88	0.2618
M 20476_20575	QPSK	Max	0	Max	0	20.75	0.1603
	QPSK	1	0	1	Max	14.27	0.0361
	QPSK	1	Max	1	0	22.80	0.2570
H 20501_20600	QPSK	Max	0	Max	0	20.72	0.1592
	QPSK	1	0	1	Max	14.22	0.0356
	QPSK	1	Max	1	0	22.82	0.2582
L 20450_20549	16QAM	Max	0	Max	0	19.79	0.1285
	16QAM	1	0	1	Max	14.28	0.0361
	16QAM	1	Max	1	0	21.78	0.2032
M 20476_20575	16QAM	Max	0	Max	0	19.69	0.1256
	16QAM	1	0	1	Max	14.27	0.0361
	16QAM	1	Max	1	0	21.69	0.1991
H 20501_20600	16QAM	Max	0	Max	0	19.73	0.1268
	16QAM	1	0	1	Max	14.19	0.0354
	16QAM	1	Max	1	0	21.67	0.1982
L 20450_20549	64QAM	Max	0	Max	0	19.81	0.1291
	64QAM	1	0	1	Max	14.30	0.0363
	64QAM	1	Max	1	0	19.80	0.1288
M 20476_20575	64QAM	Max	0	Max	0	19.77	0.1279
	64QAM	1	0	1	Max	14.18	0.0353
	64QAM	1	Max	1	0	19.70	0.1259
H 20501_20600	64QAM	Max	0	Max	0	19.70	0.1259
	64QAM	1	0	1	Max	14.22	0.0356
	64QAM	1	Max	1	0	19.72	0.1265
L 20450_20549	256QAM	Max	0	Max	0	19.77	0.1279
	256QAM	1	0	1	Max	14.28	0.0361
	256QAM	1	Max	1	0	19.75	0.1274
M 20476_20575	256QAM	Max	0	Max	0	19.75	0.1274
	256QAM	1	0	1	Max	14.19	0.0354
	256QAM	1	Max	1	0	19.70	0.1259
H 20501_20600	256QAM	Max	0	Max	0	19.72	0.1265
	256QAM	1	0	1	Max	14.15	0.0351
	256QAM	1	Max	1	0	19.71	0.1262
Combination 10MHz+5MHz (50RB+25RB)							
Channel	Modulation	PCC		SCC		Measured Power	ERP(W)
		RB Size	RB offset	RB Size	RB offset		
L 20450_20522	QPSK	Max	0	Max	0	20.82	0.1629
	QPSK	1	0	1	Max	14.20	0.0355



	QPSK	1	Max	1	0	22.84	0.2594
M 20500_20572	QPSK	Max	0	Max	0	20.83	0.1633
	QPSK	1	0	1	Max	14.30	0.0363
	QPSK	1	Max	1	0	22.81	0.2576
H 20550_20622	QPSK	Max	0	Max	0	20.80	0.1622
	QPSK	1	0	1	Max	14.19	0.0354
	QPSK	1	Max	1	0	22.77	0.2553
L 20450_20522	16QAM	Max	0	Max	0	19.68	0.1253
	16QAM	1	0	1	Max	14.14	0.0350
	16QAM	1	Max	1	0	21.64	0.1968
M 20500_20572	16QAM	Max	0	Max	0	19.64	0.1242
	16QAM	1	0	1	Max	14.18	0.0353
	16QAM	1	Max	1	0	21.63	0.1963
H 20550_20622	16QAM	Max	0	Max	0	19.65	0.1245
	16QAM	1	0	1	Max	14.27	0.0361
	16QAM	1	Max	1	0	21.70	0.1995
L 20450_20522	64QAM	Max	0	Max	0	19.72	0.1265
	64QAM	1	0	1	Max	14.27	0.0361
	64QAM	1	Max	1	0	19.77	0.1279
M 20500_20572	64QAM	Max	0	Max	0	19.71	0.1262
	64QAM	1	0	1	Max	14.23	0.0357
	64QAM	1	Max	1	0	19.67	0.1250
H 20550_20622	64QAM	Max	0	Max	0	19.72	0.1265
	64QAM	1	0	1	Max	14.26	0.0360
	64QAM	1	Max	1	0	19.65	0.1245
L 20450_20522	256QAM	Max	0	Max	0	19.68	0.1253
	256QAM	1	0	1	Max	14.26	0.0360
	256QAM	1	Max	1	0	19.63	0.1239
M 20500_20572	256QAM	Max	0	Max	0	19.74	0.1271
	256QAM	1	0	1	Max	14.25	0.0359
	256QAM	1	Max	1	0	19.64	0.1242
H 20550_20622	256QAM	Max	0	Max	0	19.74	0.1271
	256QAM	1	0	1	Max	14.17	0.0352
	256QAM	1	Max	1	0	19.67	0.1250
Combination 5MHz+10MHz (25RB+50RB)							
Channel	Modulation	PCC		SCC		Measured Power	ERP(W)
		RB Size	RB offset	RB Size	RB offset		
L 20428_20500	QPSK	Max	0	Max	0	20.77	0.1611
	QPSK	1	0	1	Max	14.25	0.0359
	QPSK	1	Max	1	0	22.84	0.2594
M 20478_20550	QPSK	Max	0	Max	0	20.78	0.1614
	QPSK	1	0	1	Max	14.21	0.0356
	QPSK	1	Max	1	0	22.79	0.2564
H 20528_20600	QPSK	Max	0	Max	0	20.81	0.1626
	QPSK	1	0	1	Max	14.19	0.0354



	QPSK	1	Max	1	0	22.82	0.2582
L 20428_20500	16QAM	Max	0	Max	0	19.78	0.1282
	16QAM	1	0	1	Max	14.15	0.0351
	16QAM	1	Max	1	0	21.65	0.1972
M 20478_20550	16QAM	Max	0	Max	0	19.77	0.1279
	16QAM	1	0	1	Max	14.23	0.0357
	16QAM	1	Max	1	0	21.64	0.1968
H 20528_20600	16QAM	Max	0	Max	0	19.65	0.1245
	16QAM	1	0	1	Max	14.26	0.0360
	16QAM	1	Max	1	0	21.75	0.2018
L 20428_20500	64QAM	Max	0	Max	0	19.76	0.1276
	64QAM	1	0	1	Max	14.29	0.0362
	64QAM	1	Max	1	0	19.67	0.1250
M 20478_20550	64QAM	Max	0	Max	0	19.78	0.1282
	64QAM	1	0	1	Max	14.18	0.0353
	64QAM	1	Max	1	0	19.66	0.1247
H 20528_20600	64QAM	Max	0	Max	0	19.71	0.1262
	64QAM	1	0	1	Max	14.26	0.0360
	64QAM	1	Max	1	0	19.68	0.1253
L 20428_20500	256QAM	Max	0	Max	0	19.68	0.1253
	256QAM	1	0	1	Max	14.13	0.0349
	256QAM	1	Max	1	0	19.65	0.1245
M 20478_20550	256QAM	Max	0	Max	0	19.69	0.1256
	256QAM	1	0	1	Max	14.27	0.0361
	256QAM	1	Max	1	0	19.72	0.1265
H 20528_20600	256QAM	Max	0	Max	0	19.76	0.1276
	256QAM	1	0	1	Max	14.15	0.0351
	256QAM	1	Max	1	0	19.72	0.1265
Combination 5MHz+3MHz (25RB+15RB)							
Channel	Modulation	PCC		SCC		Measured Power	ERP(W)
		RB Size	RB offset	RB Size	RB offset		
L 20425_20464	QPSK	Max	0	Max	0	20.73	0.1596
	QPSK	1	0	1	Max	14.18	0.0353
	QPSK	1	Max	1	0	22.87	0.2612
M 20510_20549	QPSK	Max	0	Max	0	20.70	0.1585
	QPSK	1	0	1	Max	14.22	0.0356
	QPSK	1	Max	1	0	22.80	0.2570
H 20595_20634	QPSK	Max	0	Max	0	20.80	0.1622
	QPSK	1	0	1	Max	14.29	0.0362
	QPSK	1	Max	1	0	22.84	0.2594
L 20425_20464	16QAM	Max	0	Max	0	19.74	0.1271
	16QAM	1	0	1	Max	14.18	0.0353
	16QAM	1	Max	1	0	21.73	0.2009
M 20510_20549	16QAM	Max	0	Max	0	19.78	0.1282
	16QAM	1	0	1	Max	14.22	0.0356



	16QAM	1	Max	1	0	21.76	0.2023
H 20595_20634	16QAM	Max	0	Max	0	19.64	0.1242
	16QAM	1	0	1	Max	14.26	0.0360
	16QAM	1	Max	1	0	21.72	0.2004
	16QAM	1	Max	1	0	21.72	0.2004
L 20425_20464	64QAM	Max	0	Max	0	19.80	0.1288
	64QAM	1	0	1	Max	14.17	0.0352
	64QAM	1	Max	1	0	19.71	0.1262
	64QAM	1	Max	1	0	19.71	0.1262
M 20510_20549	64QAM	Max	0	Max	0	19.71	0.1262
	64QAM	1	0	1	Max	14.26	0.0360
	64QAM	1	Max	1	0	19.71	0.1262
	64QAM	1	Max	1	0	19.71	0.1262
H 20595_20634	64QAM	Max	0	Max	0	19.76	0.1276
	64QAM	1	0	1	Max	14.15	0.0351
	64QAM	1	Max	1	0	19.72	0.1265
	64QAM	1	Max	1	0	19.72	0.1265
L 20425_20464	256QAM	Max	0	Max	0	19.72	0.1265
	256QAM	1	0	1	Max	14.27	0.0361
	256QAM	1	Max	1	0	19.68	0.1253
	256QAM	1	Max	1	0	19.68	0.1253
M 20510_20549	256QAM	Max	0	Max	0	19.63	0.1239
	256QAM	1	0	1	Max	14.19	0.0354
	256QAM	1	Max	1	0	19.74	0.1271
	256QAM	1	Max	1	0	19.74	0.1271
H 20595_20634	256QAM	Max	0	Max	0	19.72	0.1265
	256QAM	1	0	1	Max	14.24	0.0358
	256QAM	1	Max	1	0	19.65	0.1245
	256QAM	1	Max	1	0	19.65	0.1245
Combination 3MHz+5MHz (15RB+25RB)							
Channel	Modulation	PCC		SCC		Measured Power	ERP(W)
		RB Size	RB offset	RB Size	RB offset		
L 20416_20455	QPSK	Max	0	Max	0	20.79	0.1618
	QPSK	1	0	1	Max	14.29	0.0362
	QPSK	1	Max	1	0	22.73	0.2529
	QPSK	1	Max	1	0	22.73	0.2529
M 20501_20540	QPSK	Max	0	Max	0	20.78	0.1614
	QPSK	1	0	1	Max	14.27	0.0361
	QPSK	1	Max	1	0	22.79	0.2564
	QPSK	1	Max	1	0	22.79	0.2564
H 20586_20625	QPSK	Max	0	Max	0	20.72	0.1592
	QPSK	1	0	1	Max	14.21	0.0356
	QPSK	1	Max	1	0	22.82	0.2582
	QPSK	1	Max	1	0	22.82	0.2582
L 20416_20455	16QAM	Max	0	Max	0	19.64	0.1242
	16QAM	1	0	1	Max	14.19	0.0354
	16QAM	1	Max	1	0	21.70	0.1995
	16QAM	1	Max	1	0	21.70	0.1995
M 20501_20540	16QAM	Max	0	Max	0	19.67	0.1250
	16QAM	1	0	1	Max	14.17	0.0352
	16QAM	1	Max	1	0	21.65	0.1972
	16QAM	1	Max	1	0	21.65	0.1972
H 20586_20625	16QAM	Max	0	Max	0	19.75	0.1274
	16QAM	1	0	1	Max	14.16	0.0352
	16QAM	1	Max	1	0	21.69	0.1991
	16QAM	1	Max	1	0	21.69	0.1991
L 20416_20455	64QAM	Max	0	Max	0	19.77	0.1279
	64QAM	1	0	1	Max	14.18	0.0353
	64QAM	1	Max	1	0	21.77	0.1999
	64QAM	1	Max	1	0	21.77	0.1999



	64QAM	1	Max	1	0	19.67	0.1250
M 20501_20540	64QAM	Max	0	Max	0	19.78	0.1282
	64QAM	1	0	1	Max	14.26	0.0360
	64QAM	1	Max	1	0	19.73	0.1268
	64QAM	Max	0	Max	0	19.78	0.1282
H 20586_20625	64QAM	1	0	1	Max	14.24	0.0358
	64QAM	1	Max	1	0	19.69	0.1256
	256QAM	Max	0	Max	0	19.73	0.1268
L 20416_20455	256QAM	1	0	1	Max	14.26	0.0360
	256QAM	1	Max	1	0	19.72	0.1265
	256QAM	Max	0	Max	0	19.66	0.1247
M 20501_20540	256QAM	1	0	1	Max	14.14	0.0350
	256QAM	1	Max	1	0	19.67	0.1250
	256QAM	Max	0	Max	0	19.73	0.1268
H 20586_20625	256QAM	1	0	1	Max	14.23	0.0357
	256QAM	1	Max	1	0	19.68	0.1253
	256QAM	Max	0	Max	0	19.73	0.1268



LTE Band 5

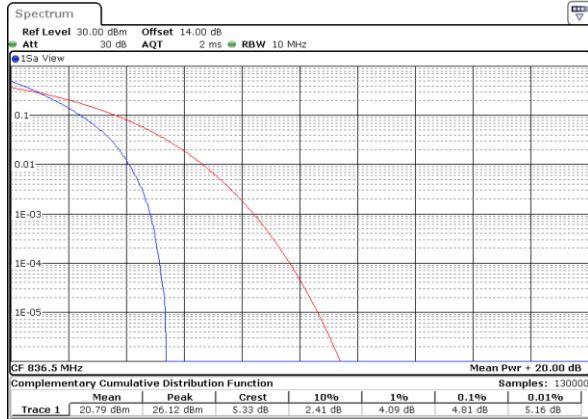
Peak-to-Average Ratio

Mode	LTE Band 5 / 10MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.81	5.59	6.12	PASS



LTE Band 5 / 10MHz / QPSK

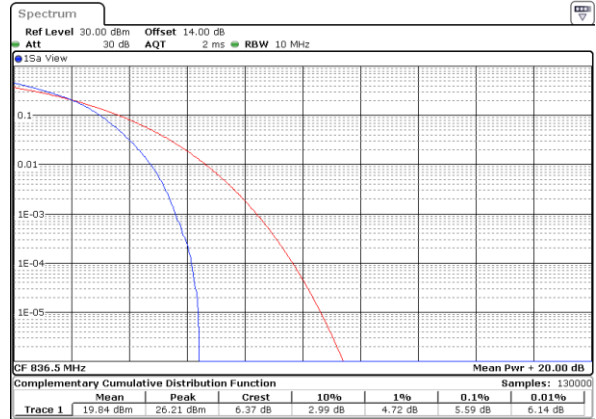
Middle Channel / Full RB



Date: 22.JUL.2025 04:30:21

LTE Band 5 / 10MHz / 16QAM

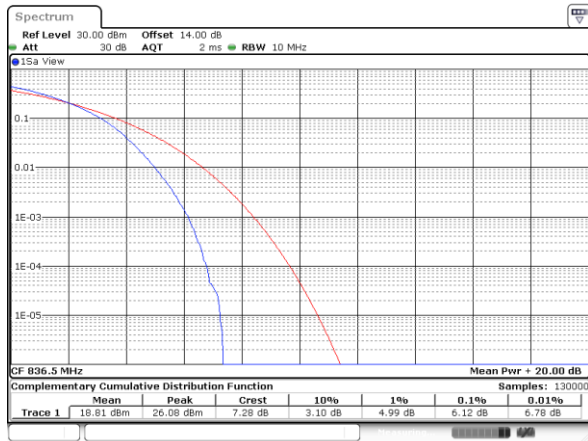
Middle Channel / Full RB



Date: 22.JUL.2025 04:30:48

LTE Band 5 / 10MHz / 64QAM

Middle Channel / Full RB



Date: 22.JUL.2025 04:31:15



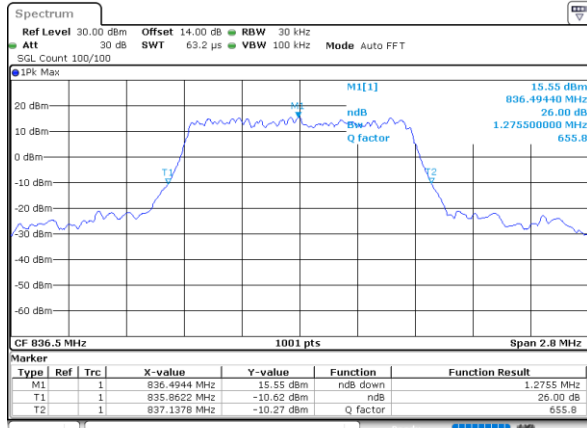
26dB Bandwidth

Mode	LTE Band 5 : 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	1.28	1.31	3.00	2.96	4.90	4.95	9.89	9.75	-	-	-	-



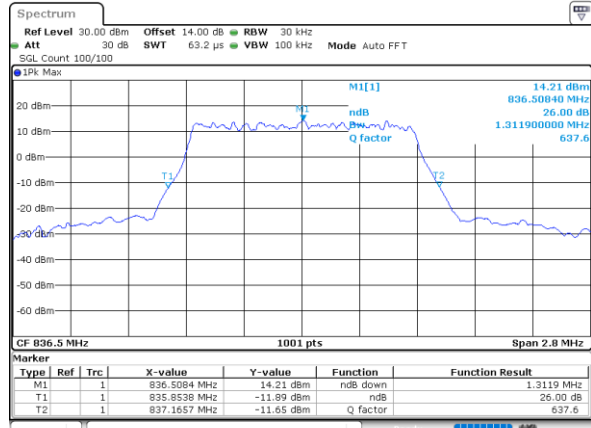
LTE Band 5

Middle Channel / 1.4MHz / QPSK



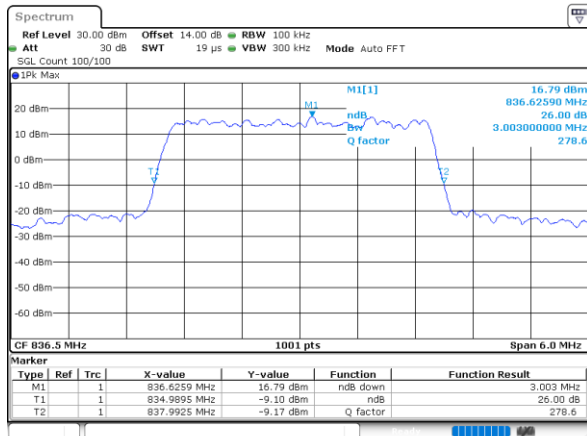
Date: 22.JUL.2025 03:43:46

Middle Channel / 1.4MHz / 16QAM



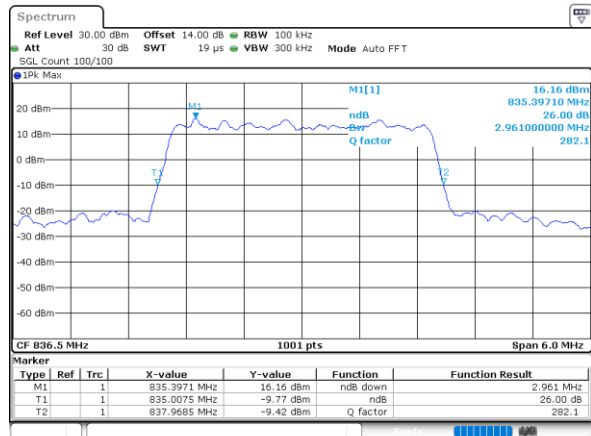
Date: 22.JUL.2025 03:44:25

Middle Channel / 3MHz / QPSK



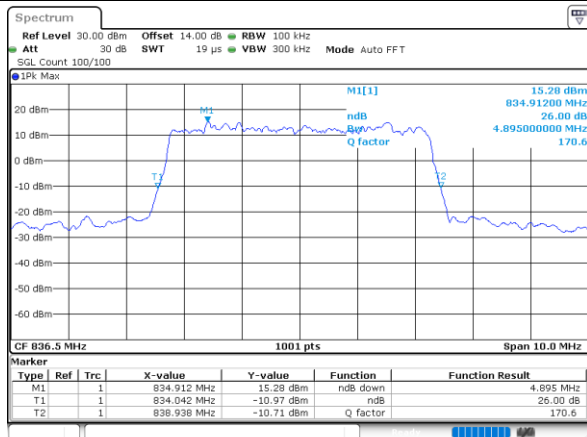
Date: 22.JUL.2025 03:58:56

Middle Channel / 3MHz / 16QAM



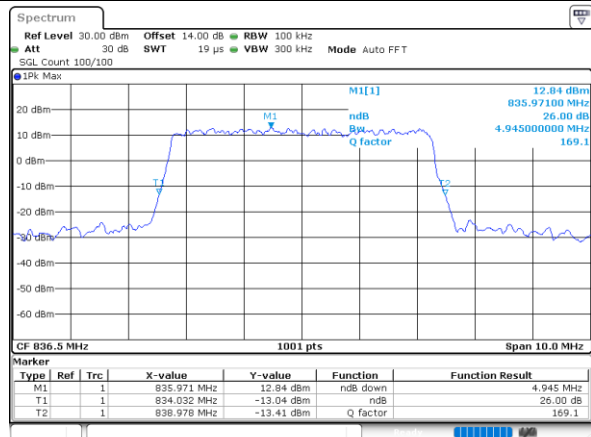
Date: 22.JUL.2025 03:59:36

Middle Channel / 5MHz / QPSK



Date: 22.JUL.2025 04:14:06

Middle Channel / 5MHz / 16QAM

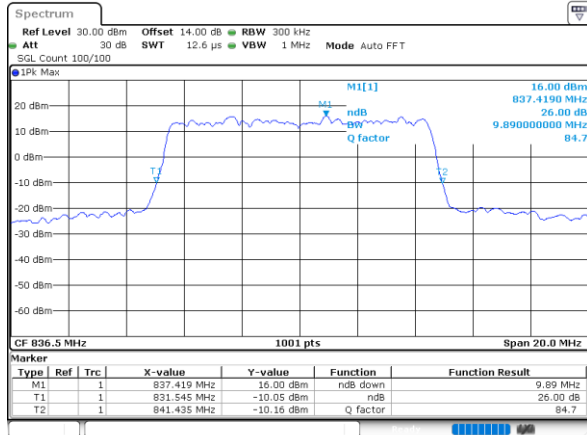


Date: 22.JUL.2025 04:14:45



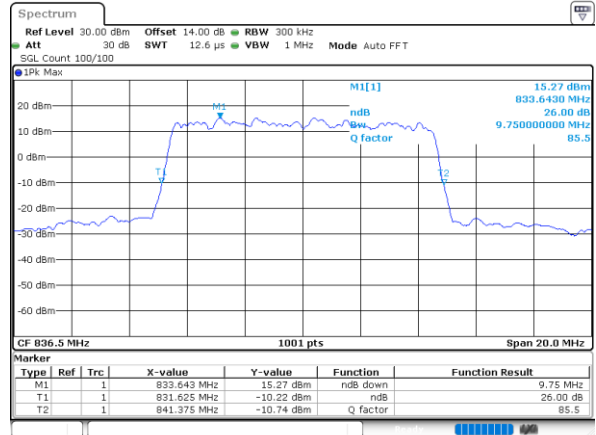
LTE Band 5

Middle Channel / 10MHz / QPSK



Date: 22.JUL.2025 04:29:15

Middle Channel / 10MHz / 16QAM



Date: 22.JUL.2025 04:29:55



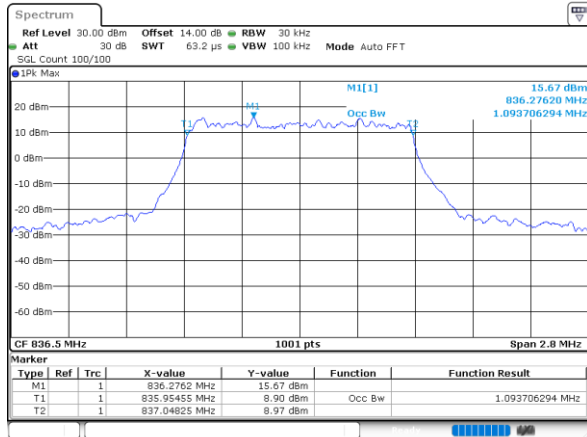
Occupied Bandwidth

Mode	LTE Band 5 : 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	1.09	1.09	2.72	2.73	4.47	4.50	9.01	8.97	-	-	-	-

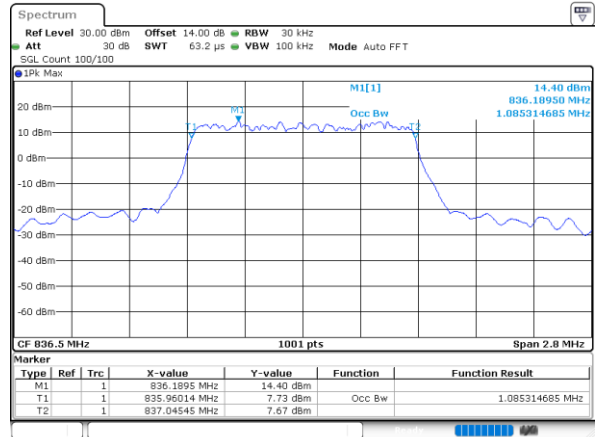


LTE Band 5

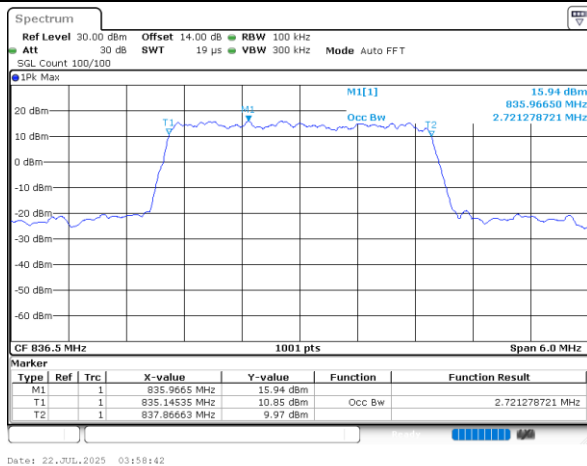
Middle Channel / 1.4MHz / QPSK



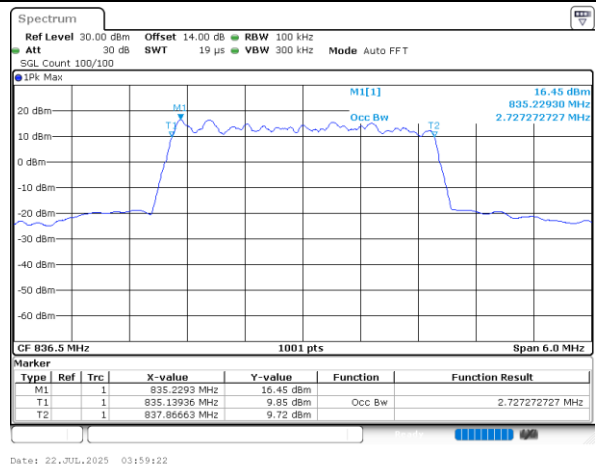
Middle Channel / 1.4MHz / 16QAM



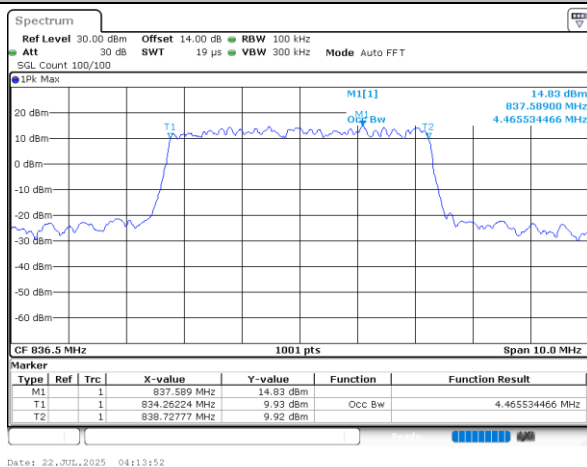
Middle Channel / 3MHz / QPSK



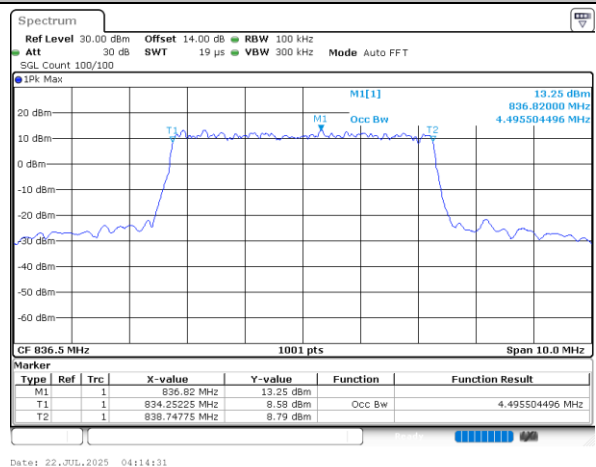
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



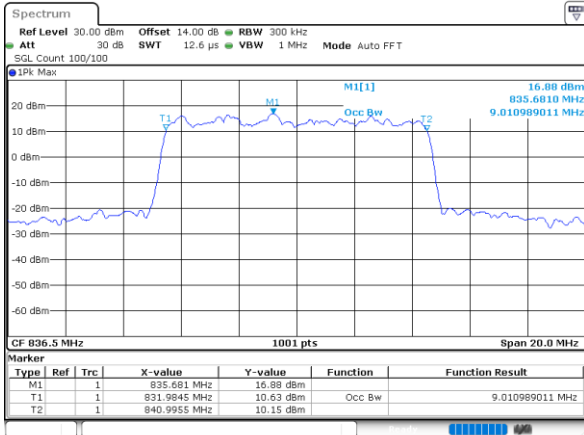
Middle Channel / 5MHz / 16QAM





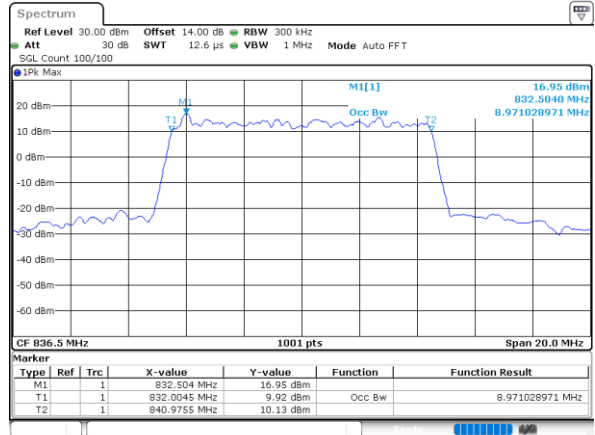
LTE Band 5

Middle Channel / 10MHz / QPSK



Date: 22.JUL.2025 04:29:01

Middle Channel / 10MHz / 16QAM



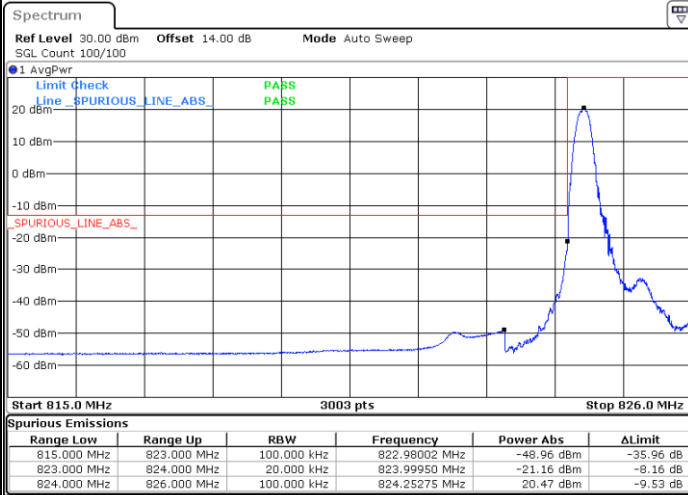
Date: 22.JUL.2025 04:29:41



Conducted Band Edge

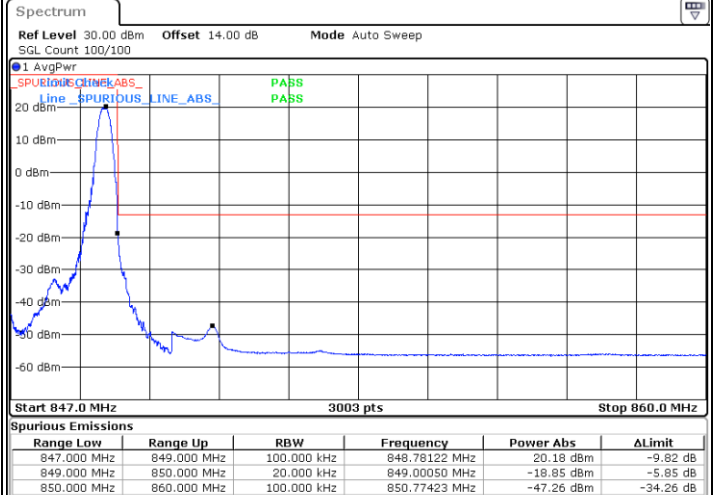
LTE Band 5 / 1.4MHz / QPSK

Lowest Band Edge / 1RB



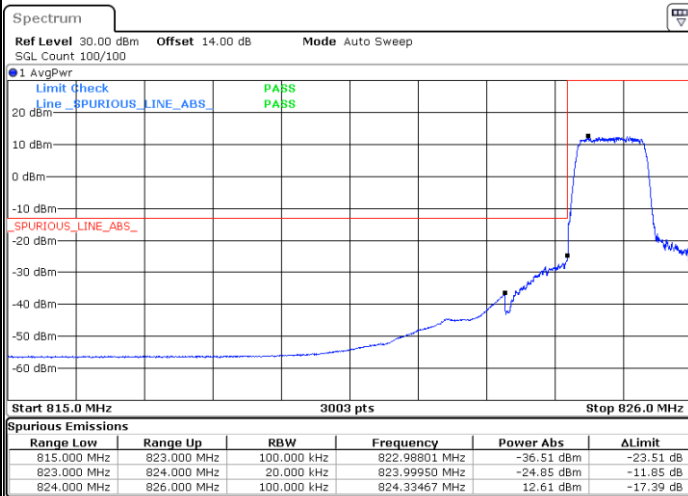
Date: 22.JUL.2025 03:36:52

Highest Band Edge / 1RB



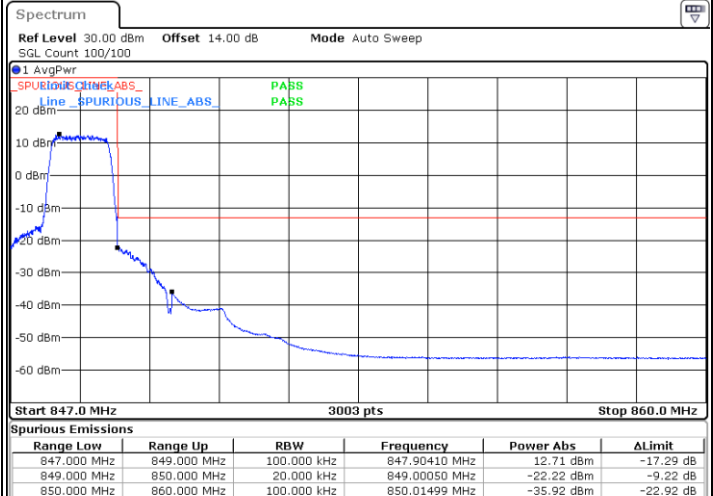
Date: 22.JUL.2025 03:45:15

Lowest Band Edge / Full RB



Date: 22.JUL.2025 03:39:24

Highest Band Edge / Full RB

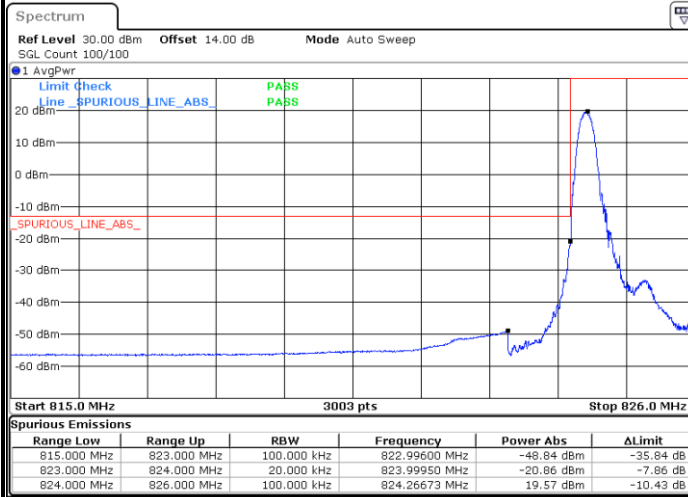


Date: 22.JUL.2025 03:47:47

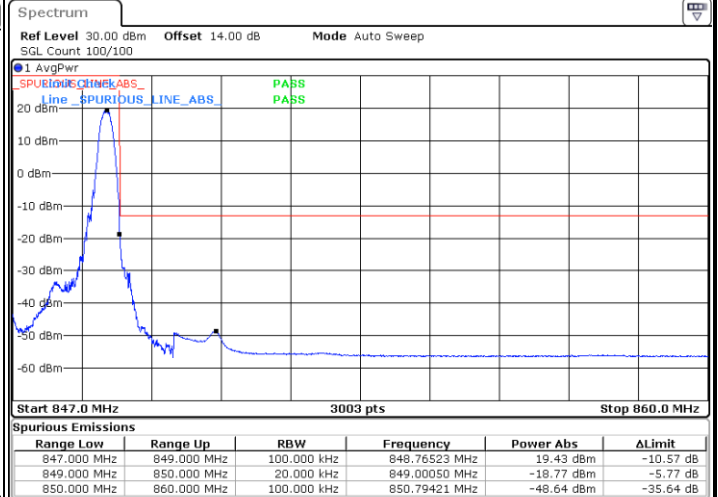


LTE Band 5 / 1.4MHz / 16QAM

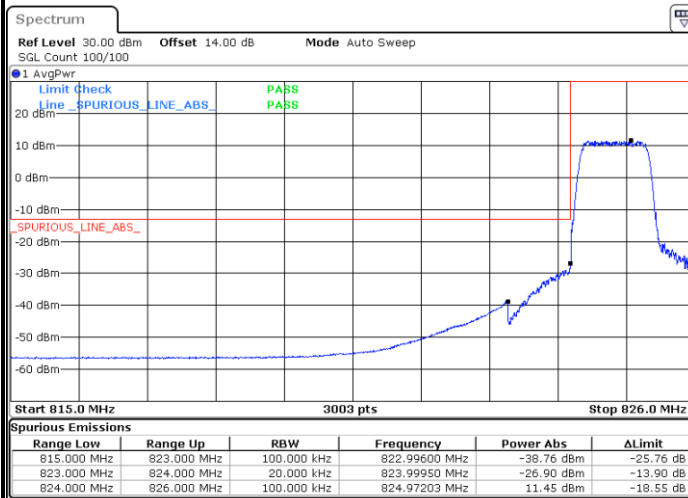
Lowest Band Edge / 1 RB



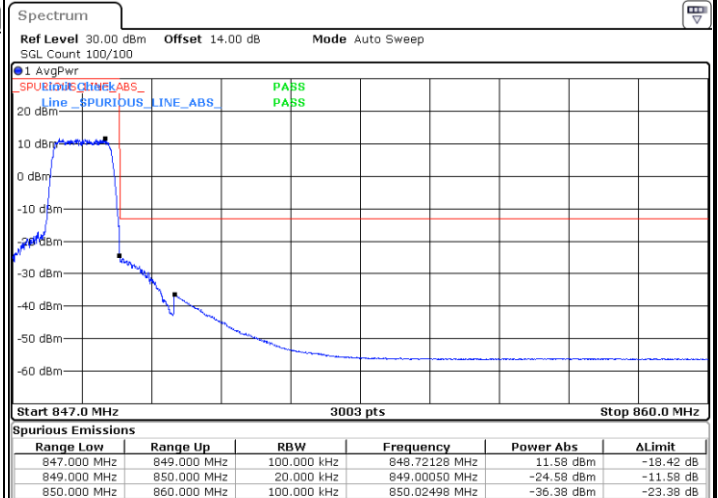
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



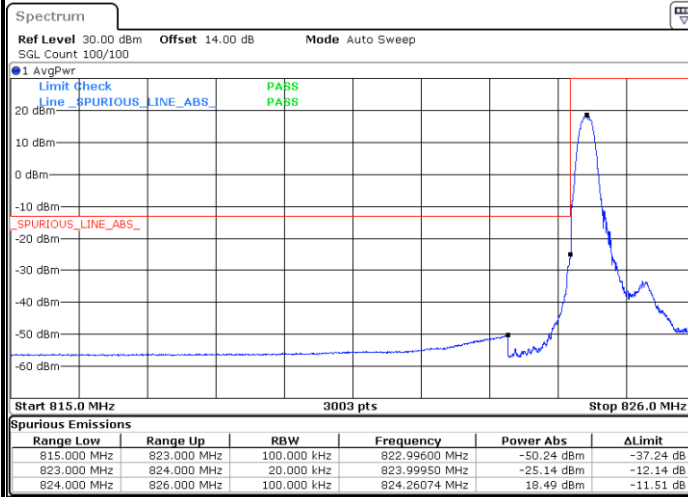
Highest Band Edge / Full RB



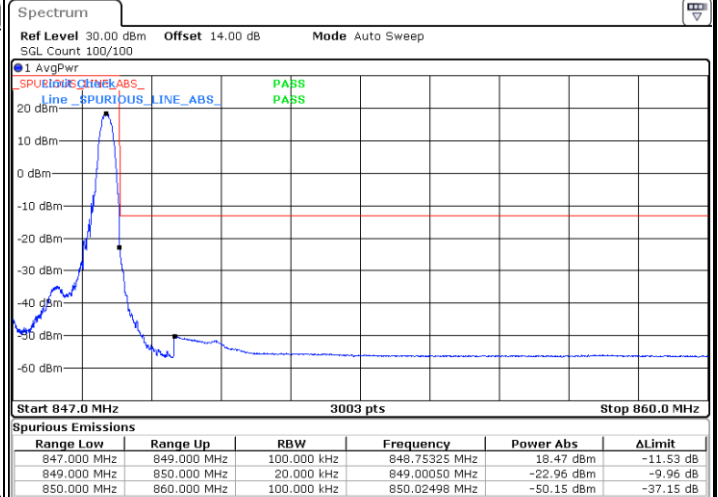


LTE Band 5 / 1.4MHz / 64QAM

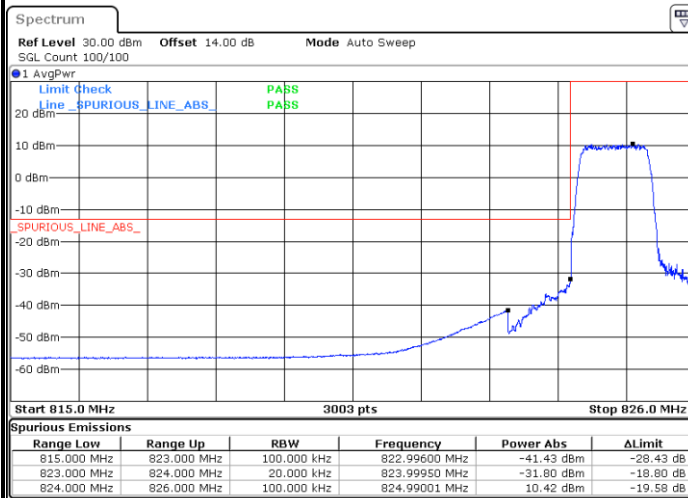
Lowest Band Edge / 1 RB



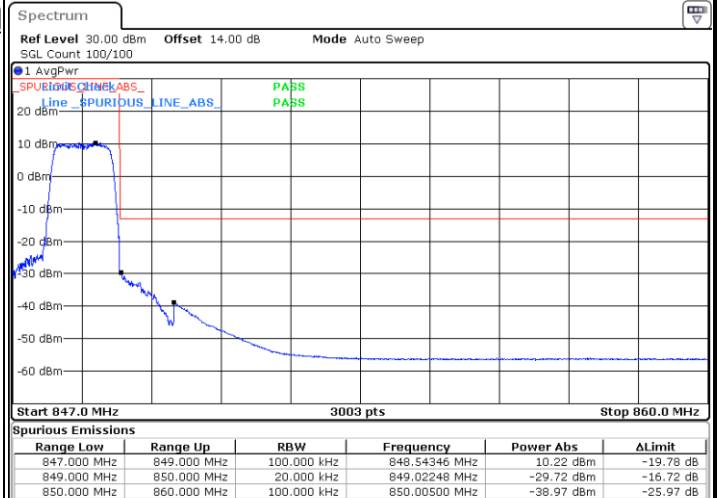
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



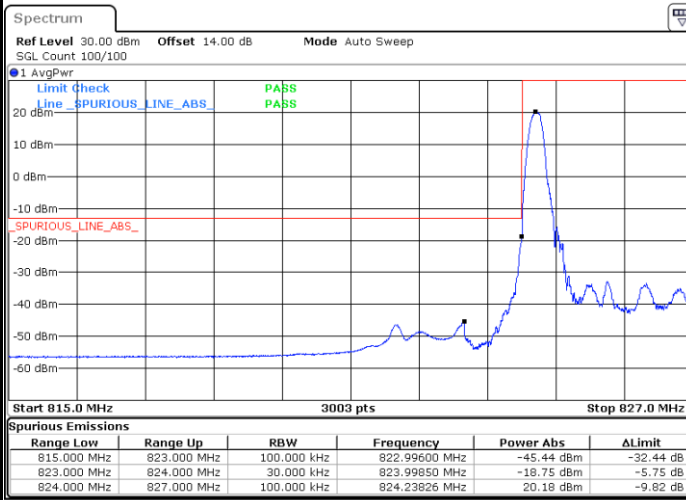
Highest Band Edge / Full RB



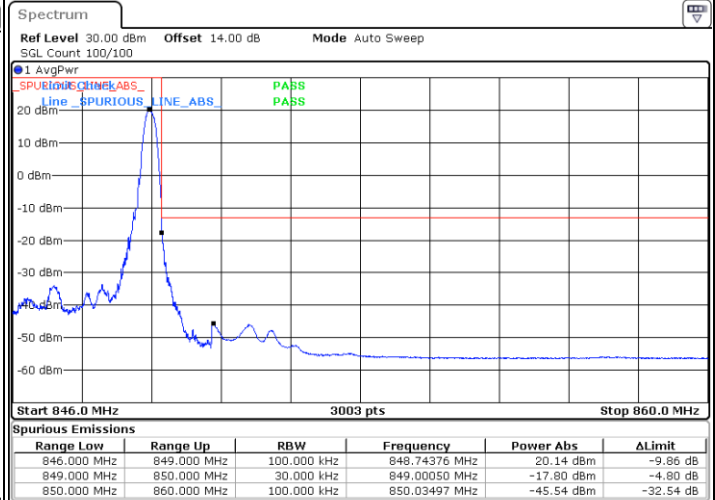


LTE Band 5 / 3MHz / QPSK

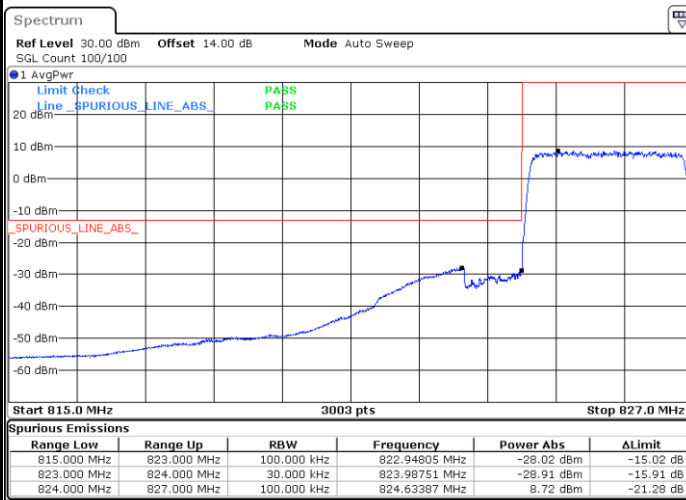
Lowest Band Edge / 1RB



Highest Band Edge / 1RB



Lowest Band Edge / Full RB



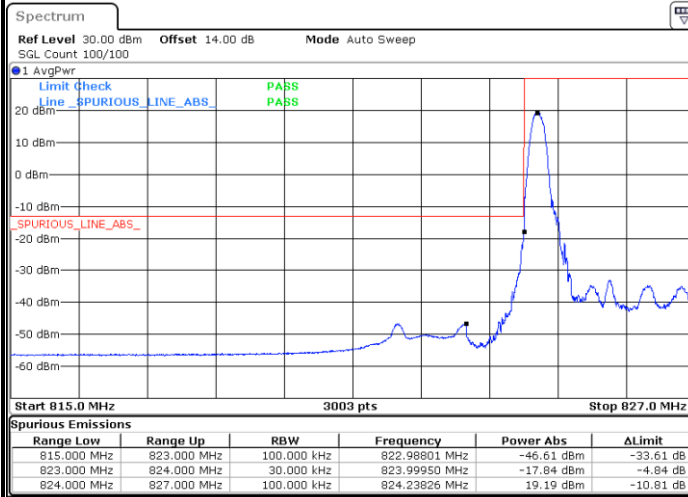
Highest Band Edge / Full RB



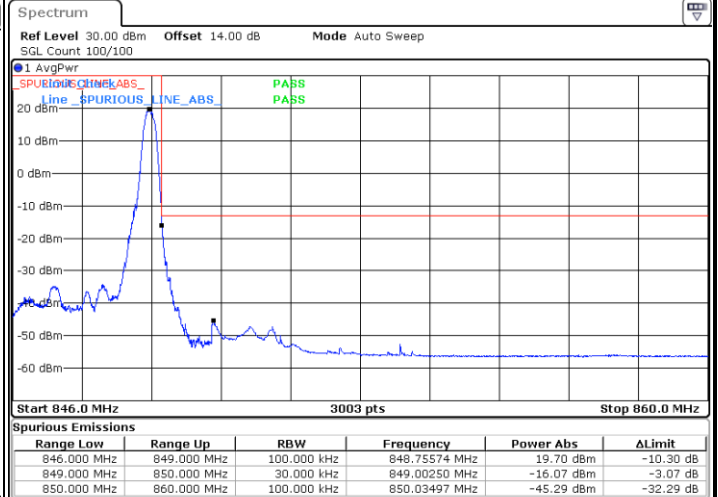


LTE Band 5 / 3MHz / 16QAM

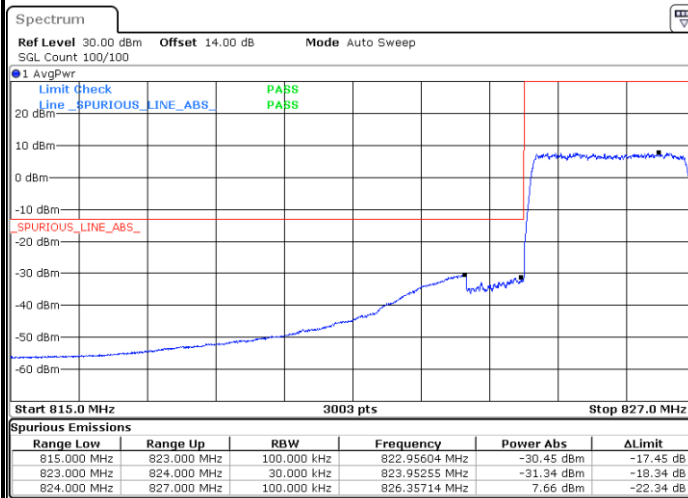
Lowest Band Edge / 1 RB



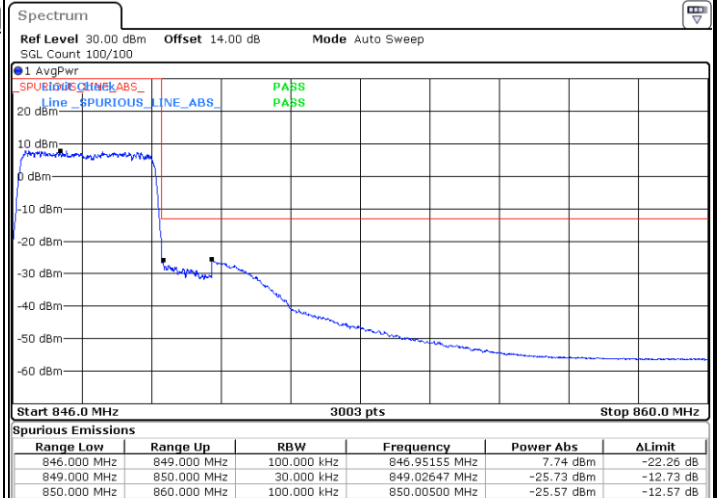
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



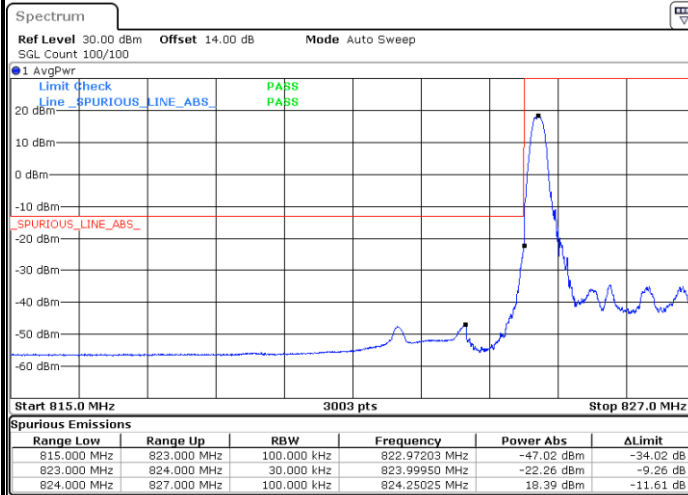
Highest Band Edge / Full RB



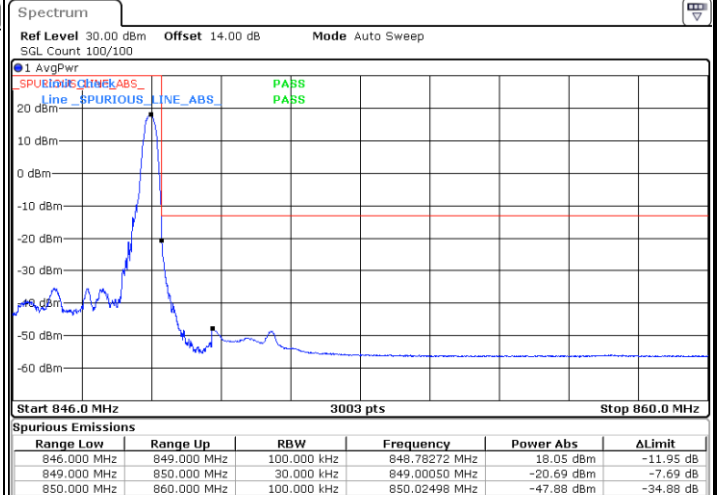


LTE Band 5 / 3MHz / 64QAM

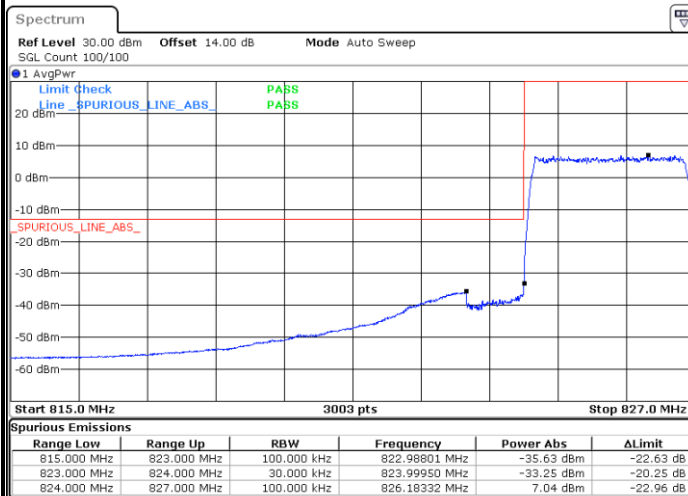
Lowest Band Edge / 1 RB



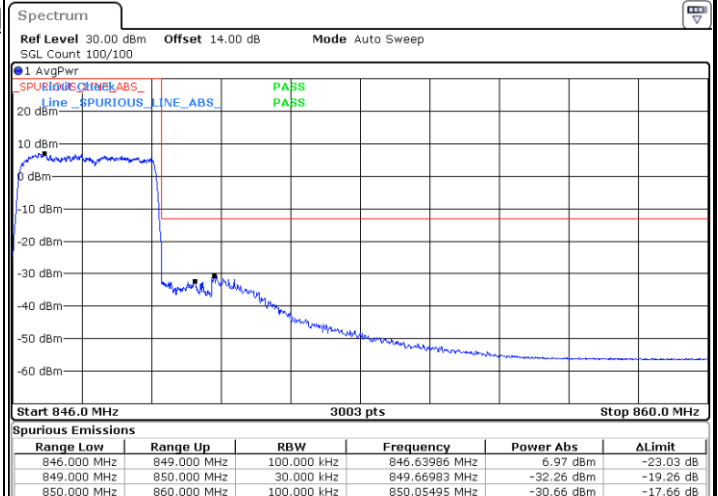
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



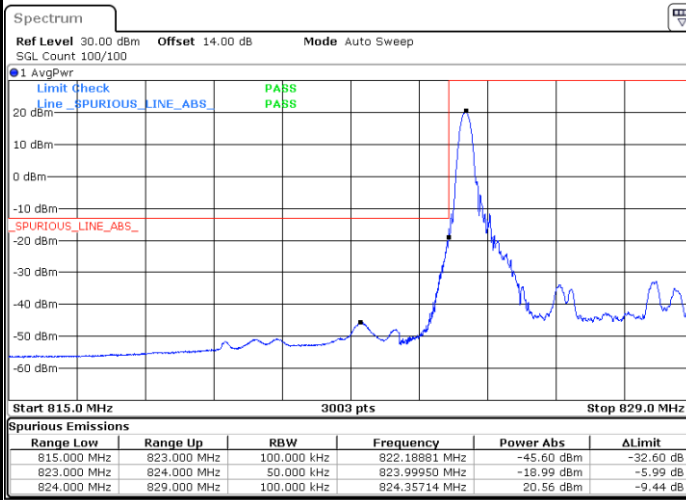
Highest Band Edge / Full RB





LTE Band 5 / 5MHz / QPSK

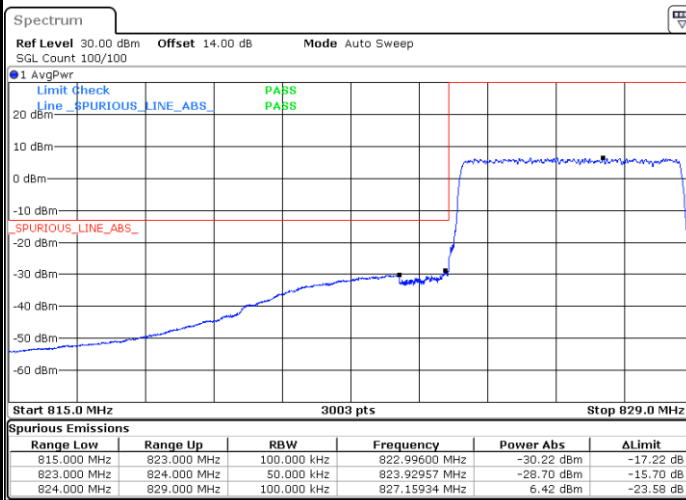
Lowest Band Edge / 1RB



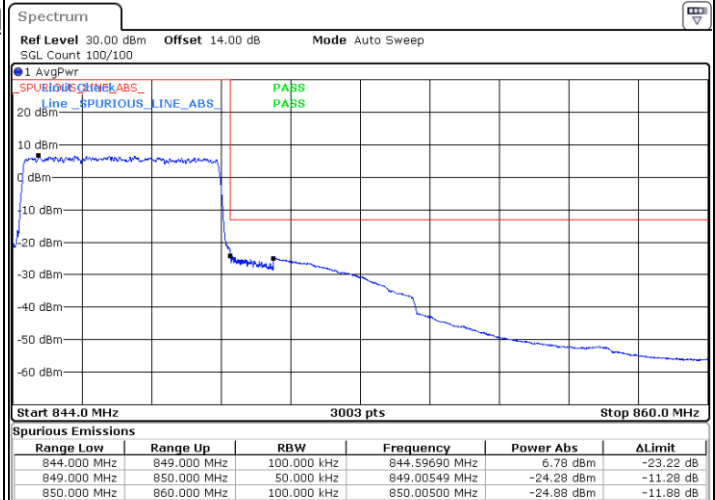
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



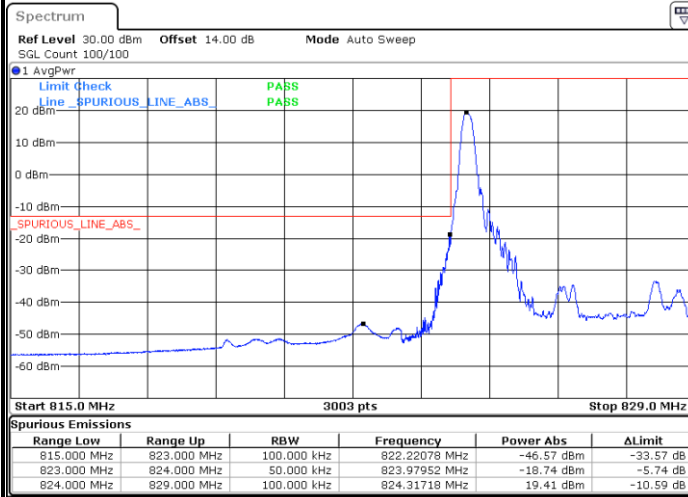
Highest Band Edge / Full RB





LTE Band 5 / 5MHz / 16QAM

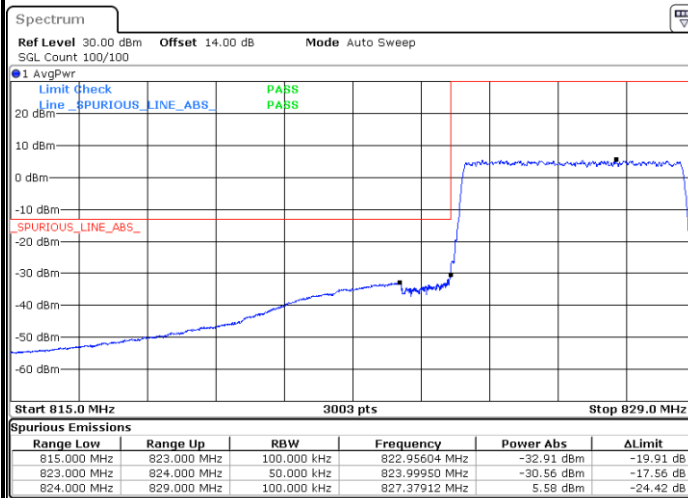
Lowest Band Edge / 1 RB



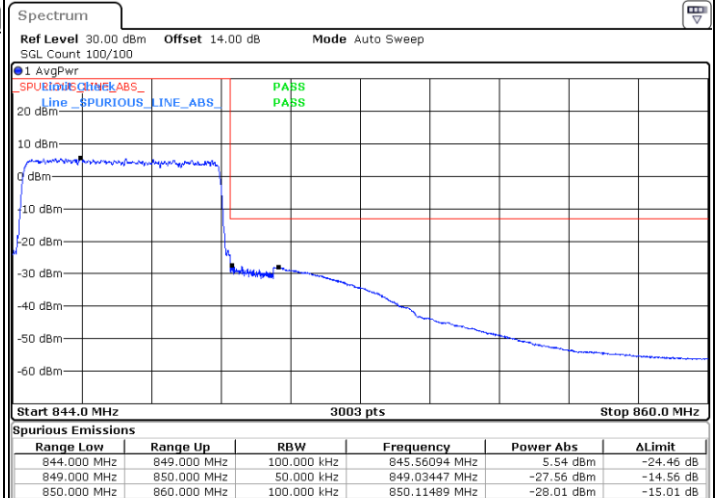
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



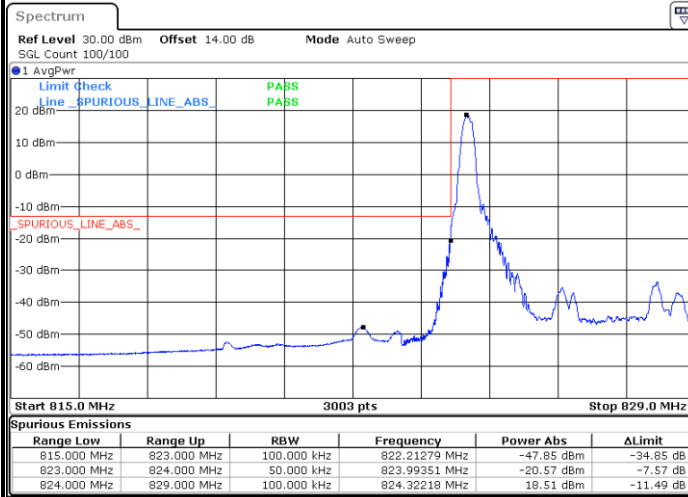
Highest Band Edge / Full RB



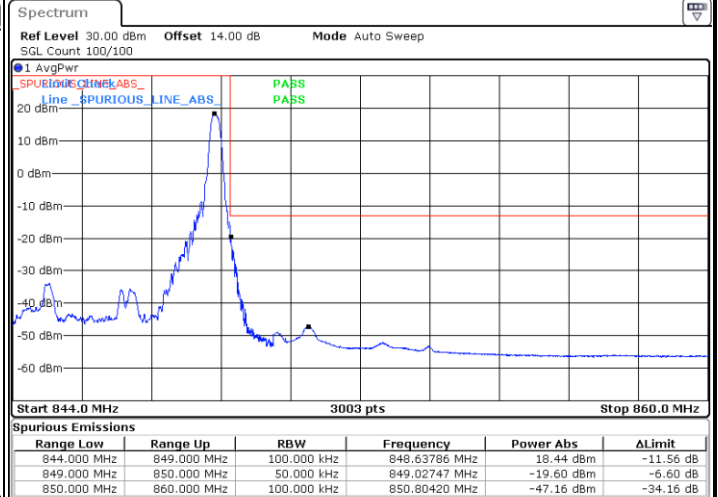


LTE Band 5 / 5MHz / 64QAM

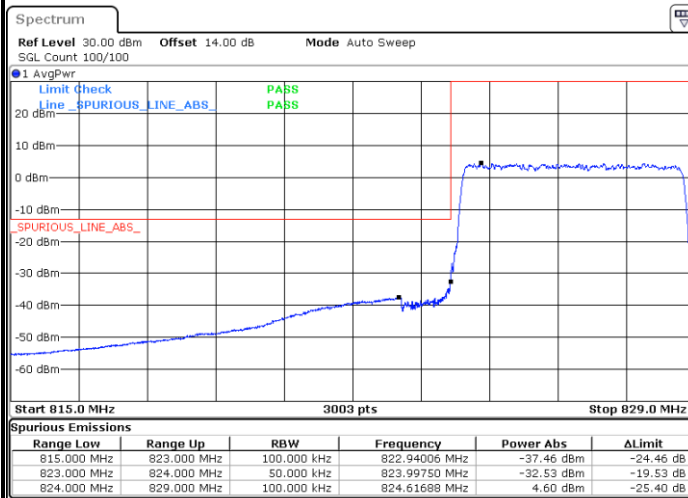
Lowest Band Edge / 1 RB



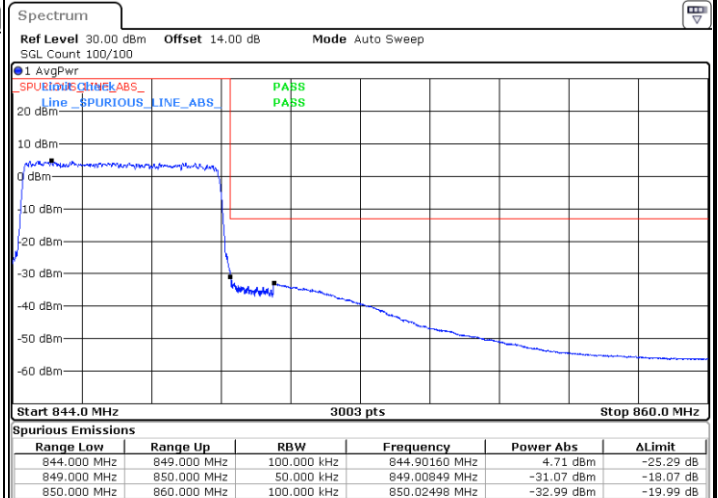
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



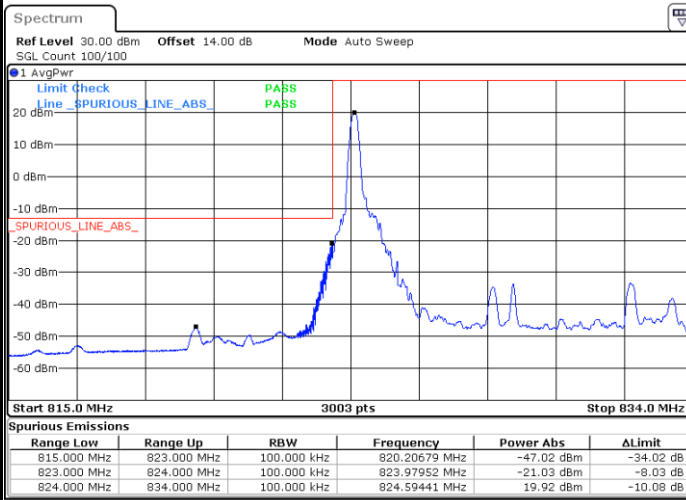
Highest Band Edge / Full RB



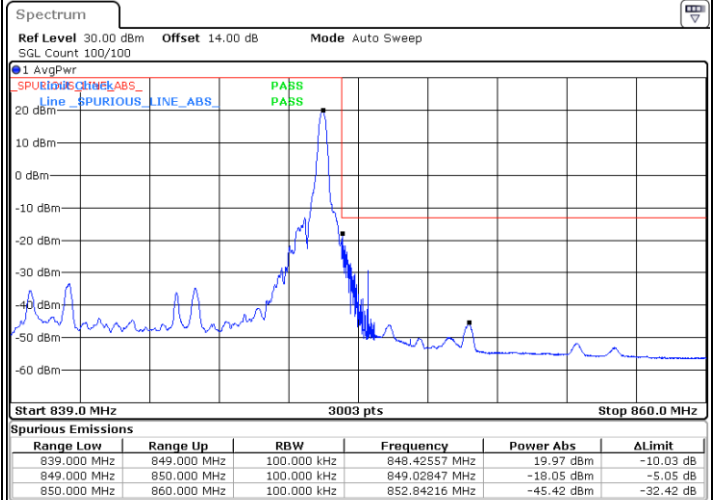


LTE Band 5 / 10MHz / QPSK

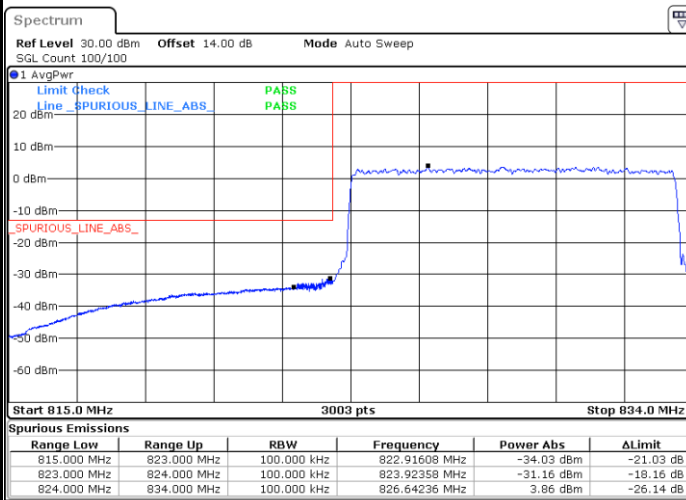
Lowest Band Edge / 1RB



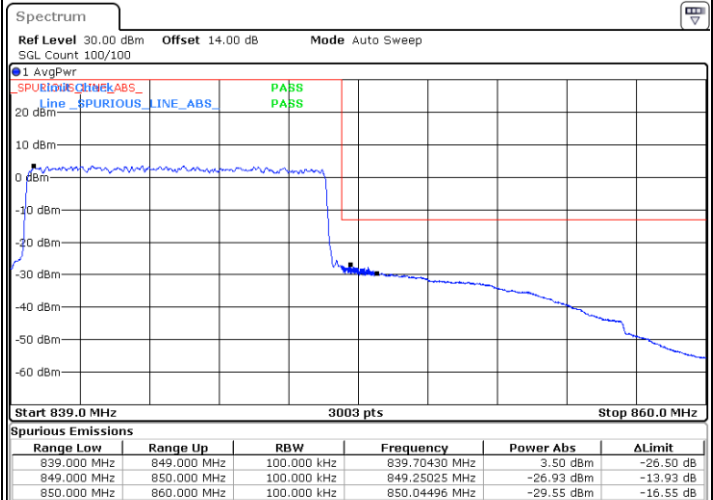
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



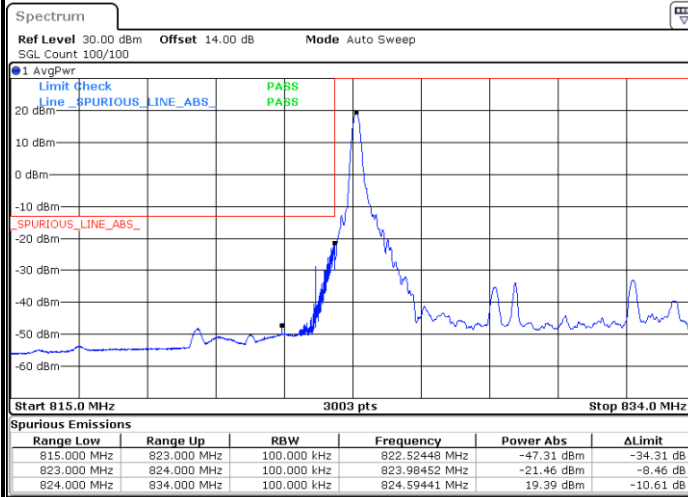
Highest Band Edge / Full RB



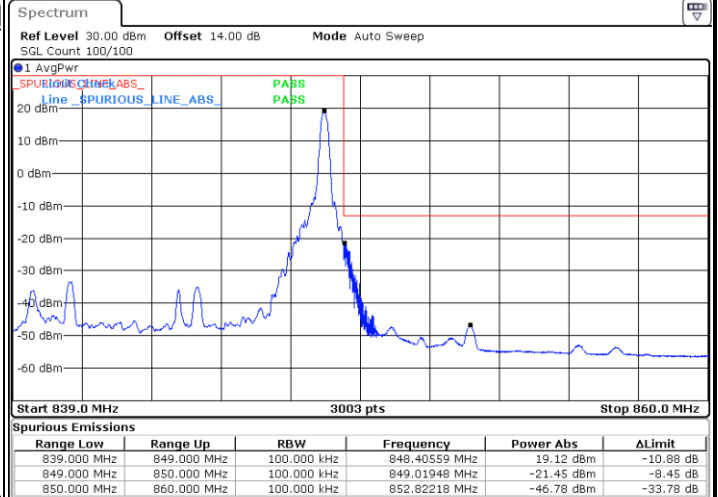


LTE Band 5 / 10MHz / 16QAM

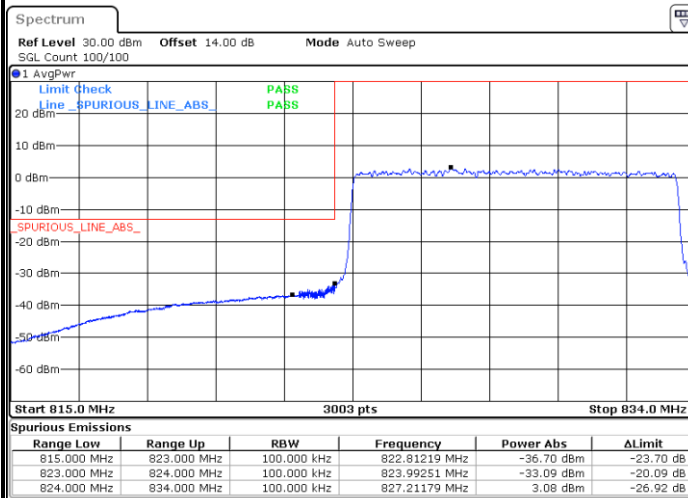
Lowest Band Edge / 1 RB



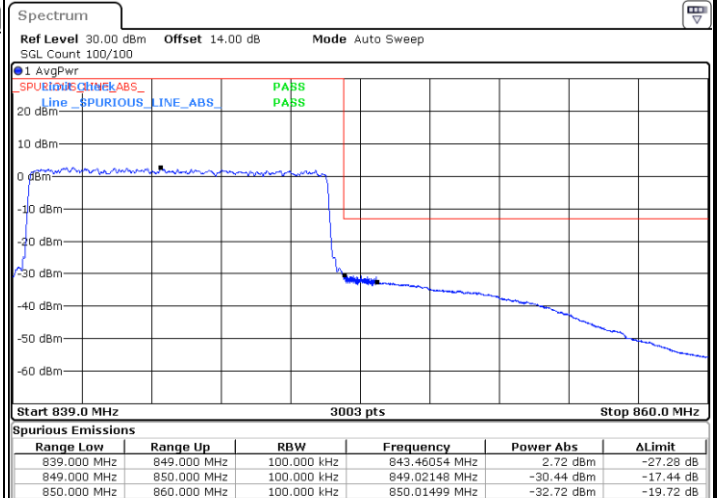
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



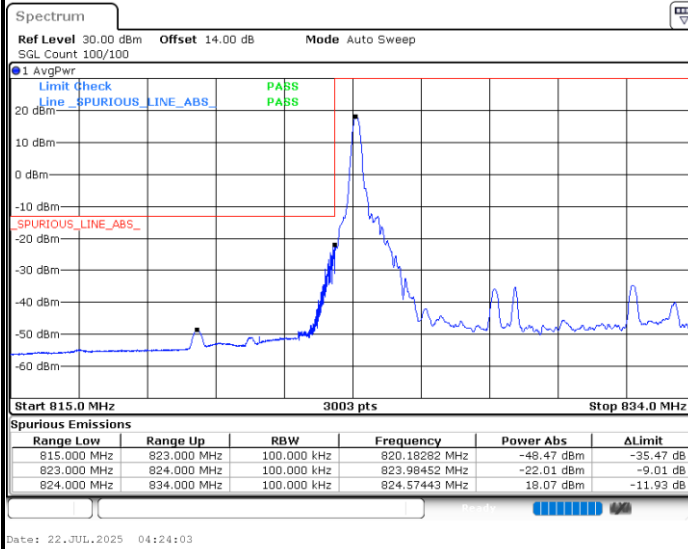
Highest Band Edge / Full RB



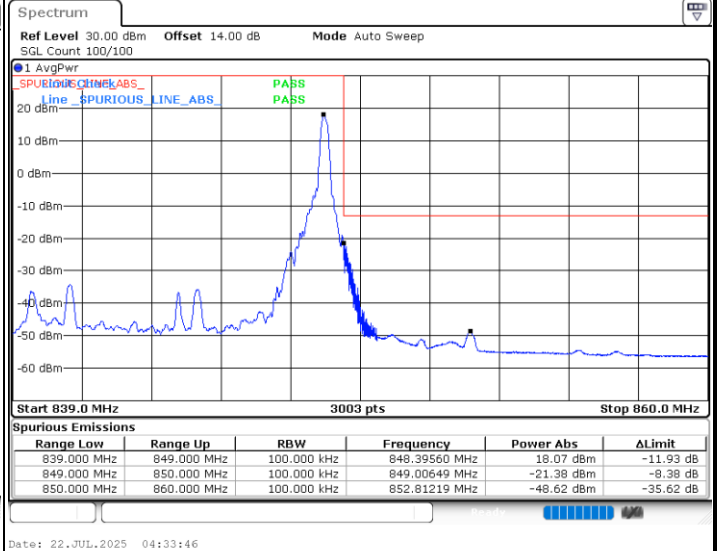


LTE Band 5 / 10MHz / 64QAM

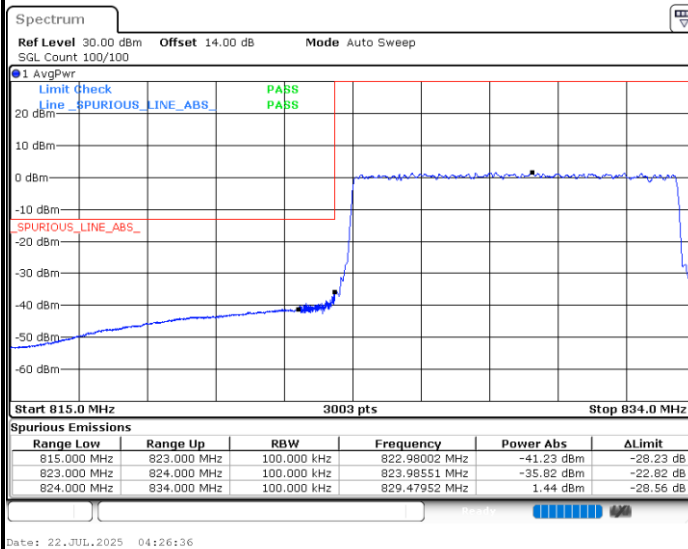
Lowest Band Edge / 1 RB



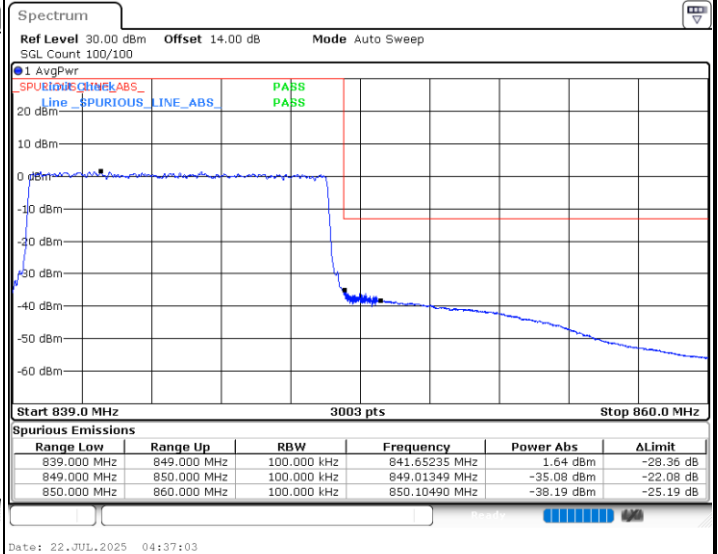
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

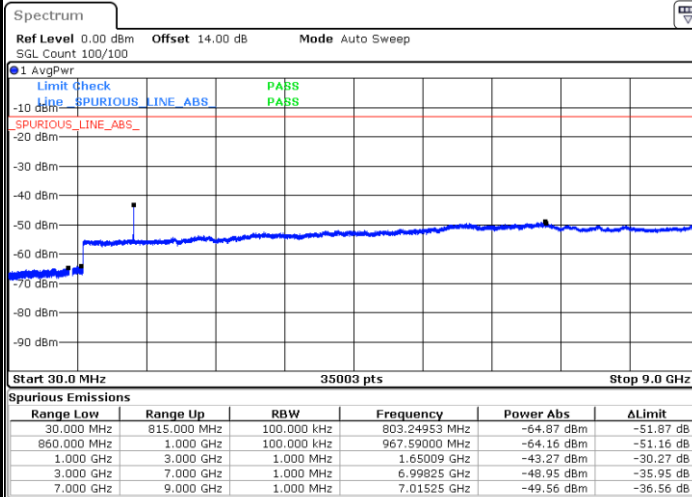




Conducted Spurious Emission

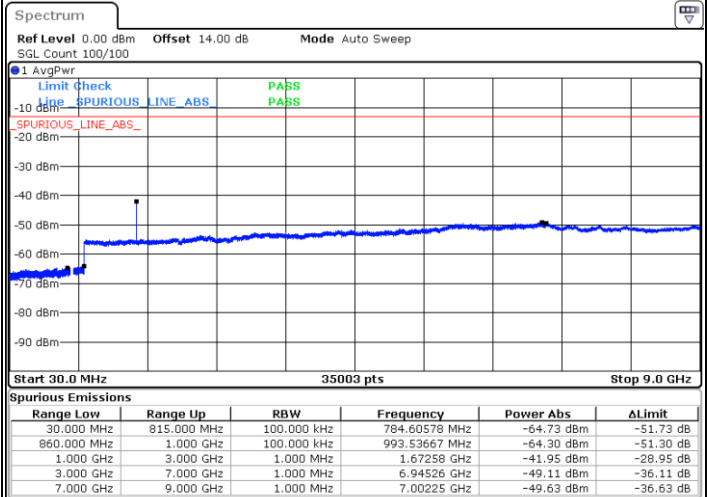
LTE Band 5 / 1.4MHz

Lowest Channel / QPSK



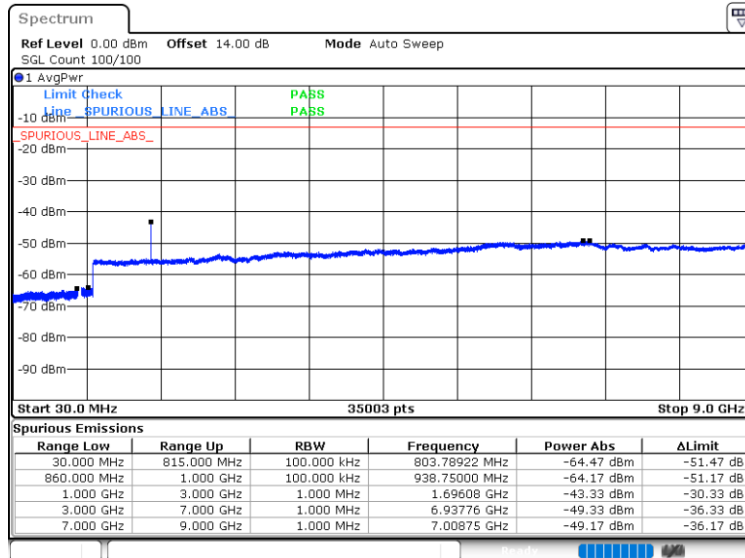
Date: 22.JUL.2025 03:42:07

Middle Channel / QPSK



Date: 22.JUL.2025 03:43:06

Highest Channel / QPSK

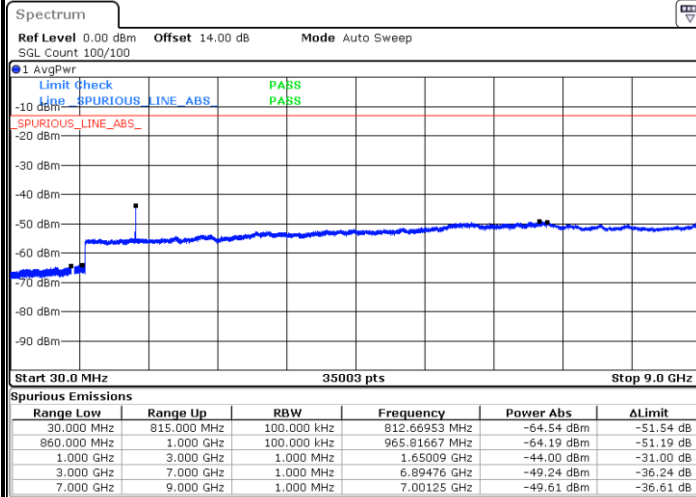


Date: 22.JUL.2025 03:50:29



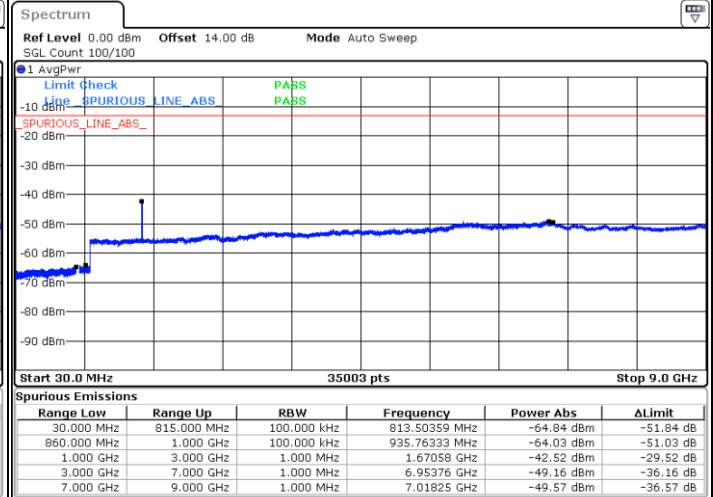
LTE Band 5 / 3MHz

Lowest Channel / QPSK



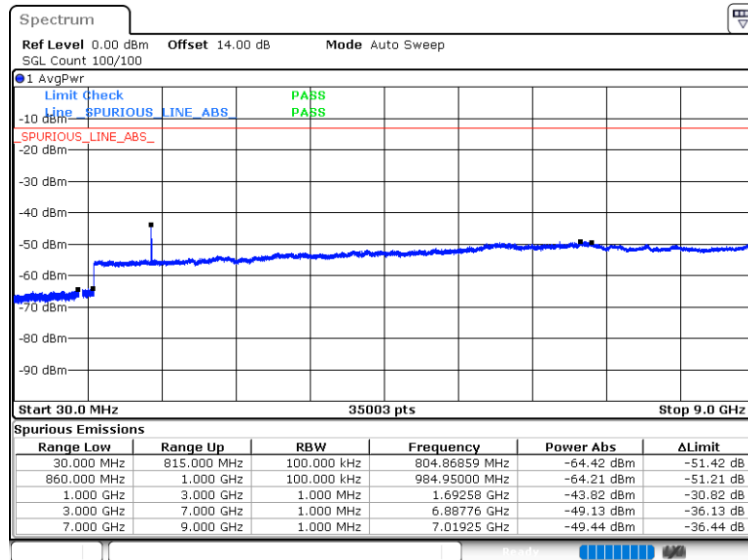
Date: 22.JUL.2025 03:57:17

Middle Channel / QPSK



Date: 22.JUL.2025 03:58:16

Highest Channel / QPSK

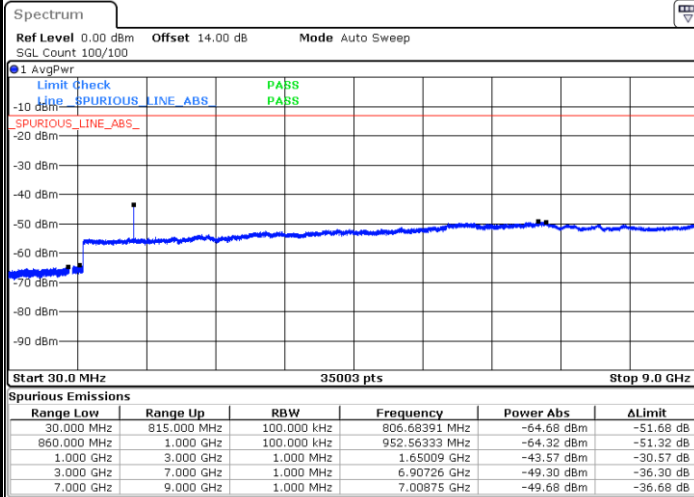


Date: 22.JUL.2025 04:05:39



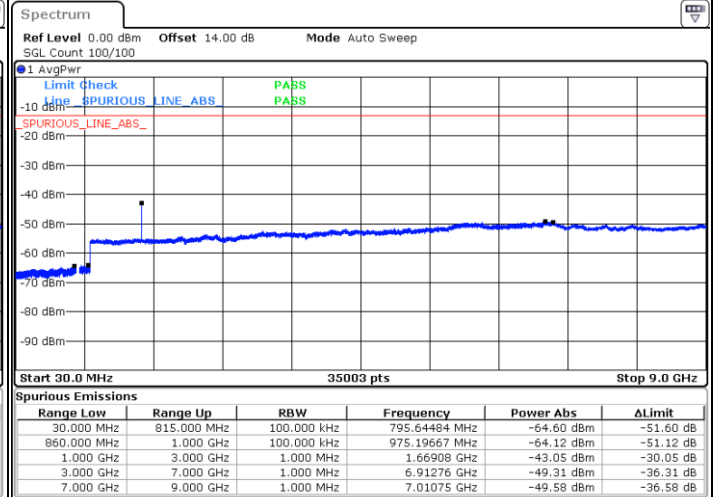
LTE Band 5 / 5MHz

Lowest Channel / QPSK



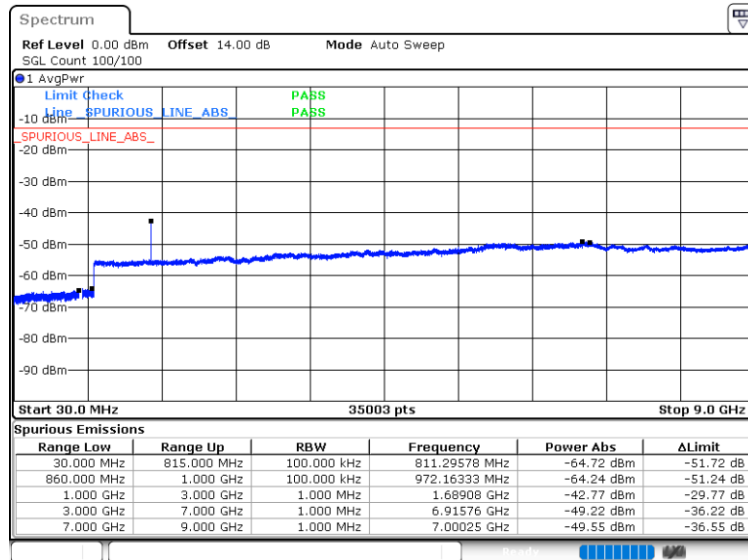
Date: 22.JUL.2025 04:12:26

Middle Channel / QPSK



Date: 22.JUL.2025 04:13:26

Highest Channel / QPSK



Date: 22.JUL.2025 04:20:49