



FCC RF Test Report

APPLICANT : Motorola Mobility LLC
EQUIPMENT : Mobile Cellular Phone
BRAND NAME : Motorola
MODEL NAME : XT2529-3, XT2529-4
FCC ID : IHDT56AV3
STANDARD : 47 CFR Part 24(E), 27(L), 27(M)
CLASSIFICATION : PCS Licensed Transmitter Held to Ear (PCE)
TEST DATE(S) : Mar. 04, 2025 ~ Mar. 19, 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.

Jason Jia



Approved by: Jason Jia

Sporton International Inc. (ShenZhen)

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People's Republic of China



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SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	-	Report Only	-
	§24.232(c) §27.50(h)(2)	Equivalent Isotropic Radiated Power (Band 2) (Band 41)	EIRP < 2Watt	PASS	-
	§27.50(d)(4)	Equivalent Isotropic Radiated Power (Band 4)	EIRP < 1Watt		-
3.5	§24.232(d)	Peak-to-Average Ratio	<13 dB	PASS	-
3.6	§2.1049	Occupied Bandwidth	-	Report Only	-
3.7	§2.1051 §24.238(a) §27.53(h)	Conducted Band Edge Measurement (Band 2) (Band 4)	< 43+10log ₁₀ (P[Watts])	PASS	-
	§27.53(m)(4)	Conducted Band Edge Measurement (Band 41)	§27.53(m)(4)		
3.8	§2.1051 §24.238(a) §27.53(h)	Conducted Spurious Emission (Band 2) (Band 4)	< 43+10log ₁₀ (P[Watts])	PASS	-
	§2.1051 §27.53(m)(4)	Conducted Spurious Emission (Band 41)	< 55+10log ₁₀ (P[Watts])		
3.9	§2.1055 §24.235 §27.54	Frequency Stability Temperature & Voltage	Within Authorized Band	PASS	-
4.4	§2.1053 §24.238(a) §27.53(h)	Radiated Spurious Emission (Band 2) (Band 4)	< 43+10log ₁₀ (P[Watts])	PASS	Under limit 21.75 dB at 7752.00 MHz
	§2.1053 §27.53(m)(4)	Radiated Spurious Emission (Band 41)	< 55+10log ₁₀ (P[Watts])		

Conformity Assessment Condition:

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

Disclaimer:

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



1 General Description

1.1 Applicant

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

1.2 Manufacturer

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

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Cellular Phone
Brand Name	Motorola
Model Name	XT2529-3, XT2529-4
FCC ID	IHDT56AV3
IMEI Code	Conducted: 357325840021596 Radiation: 357325840026413/357325840026421 for Sample 1 357325840034912/357325840034920 for Sample 2
HW Version	DVT2
SW Version	V2VOJ35.45
EUT Stage	Identical Prototype

Remark:

1. The difference between the two model names: XT2529-3 is paired with 8+128G memory, and XT2529-4 is paired with 4+128G memory.
2. There are two types of EUT for each model name, the differences could be referred to the XT2529-3, XT2529-4_Operational Description of Product Equality Declaration which is exhibit separately. According to the difference, we choose sample 1 to full test and sample 2 is verified the RSE worse case.



1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	LTE Band 2 : 1850 MHz ~ 1910 MHz LTE Band 4 : 1710 MHz ~ 1755 MHz LTE Band 41 : 2496 MHz ~ 2690 MHz
Rx Frequency	LTE Band 2 : 1930 MHz ~ 1990 MHz LTE Band 4 : 2110 MHz ~ 2155 MHz LTE Band 41 : 2496 MHz ~ 2690 MHz
Bandwidth	LTE Band 2 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 4 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 41 : 5MHz / 10MHz / 15MHz / 20MHz
Maximum Output Power to Antenna	LTE Band 2 : 22.67 dBm LTE Band 4 : 22.55 dBm LTE Band 41 : 25.51 dBm LTE Band 41C : 21.97 dBm
Antenna Gain	<ANT1> LTE Band 2 : -3.5 dBi LTE Band 4 : -2.1 dBi LTE Band 41 : -3.9 dBi
Type of Modulation	QPSK / 16QAM / 64QAM

Note: This device support HPUE Mode for LTE Band 41.

1.5 Modification of EUT

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

1.6 Specification of Accessory

Accessories Information				
AC Adapter 1(US)	Brand Name	Motorola(Salcomp)	Model Name	MC-331L
AC Adapter 2(US)	Brand Name	Motorola(Chenyang)	Model Name	MC-331L
AC Adapter 3(US)	Brand Name	Motorola(Salcomp)	Model Name	MC-331
Battery 1	Brand Name	Motorola(Sunwoda)	Model Name	RB52
Battery 2	Brand Name	Motorola(ATL)	Model Name	RB52
USB Cable 1	Brand Name	Motorola(Yihuaxing)	Model Name	T365-020 T365-020-01 T365-020-02
USB Cable 2	Brand Name	Motorola(WASHIN)	Model Name	HX-TL-01 HX-TL-07 HX-TL-08
USB Cable 3	Brand Name	Motorola(Juwei)	Model Name	JWUB1614-T03H JWUB1705-T03H JWUB1856-T03H
USB Cable 4	Brand Name	Motorola(Saibao)	Model Name	STN-A131A
USB Cable 5	Brand Name	Motorola(WASHIN)	Model Name	HX-TL-04



1.7 Maximum ERP/EIRP Power and Emission Designator

LTE Band 2		QPSK		16QAM/64QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
1.4	1850.7 ~ 1909.3	0.0822	1M08G7D	0.0723	1M11W7D
3	1851.5 ~ 1908.5	0.0824	2M72G7D	0.0710	2M72W7D
5	1852.5 ~ 1907.5	0.0822	4M49G7D	0.0714	4M49W7D
10	1855.0 ~ 1905.0	0.0815	9M05G7D	0.0728	9M01W7D
15	1857.5 ~ 1902.5	0.0824	13M4G7D	0.0716	13M5W7D
20	1860.0 ~ 1900.0	0.0826	17M9G7D	0.0713	17M8W7D
LTE Band 4		QPSK		16QAM/64QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
1.4	1710.7 ~ 1754.3	0.1107	1M09G7D	0.0977	1M10W7D
3	1711.5 ~ 1753.5	0.1102	2M71G7D	0.0964	2M70W7D
5	1712.5 ~ 1752.5	0.1079	4M49G7D	0.0951	4M50W7D
10	1715.0 ~ 1750.0	0.1104	9M07G7D	0.0935	9M05W7D
15	1717.5 ~ 1747.5	0.1091	13M4G7D	0.0957	13M5W7D
20	1720.0 ~ 1745.0	0.1109	17M9G7D	0.0944	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	0.1442	4M50G7D	0.1233	4M50W7D
10	2501.0 ~ 2685.0	0.1449	9M03G7D	0.1225	9M03W7D
15	2503.5 ~ 2682.5	0.1442	13M4G7D	0.1222	13M4W7D
20	2506.0 ~ 2680.0	0.1419	17M9G7D	0.1253	17M9W7D



LTE Band 41 CA	QPSK		16QAM/64QAM	
	BW (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)
5MHz+20MHz	0.0619	23M3G7D	0.0491	23M0W7D
10MHz+20MHz	0.0617	28M1G7D	0.0497	27M6W7D
10MHz+15MHz	0.0628	23M1G7D	0.0495	23M2W7D
15MHz+15MHz	0.0634	28M6G7D	0.0493	28M4W7D
15MHz+20MHz	0.0641	32M9G7D	0.0500	32M9W7D
15MHz+10MHz	0.0630	23M6G7D	0.0491	23M6W7D
20MHz+5MHz	0.0617	23M3G7D	0.0493	23M1W7D
20MHz+10MHz	0.0618	27M9G7D	0.0495	27M9W7D
20MHz+15MHz	0.0637	33M1G7D	0.0501	32M2W7D
20MHz+20MHz	0.0641	37M6G7D	0.0524	37M8W7D

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

1.8 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

1.9 Test Software

Item	Site	Manufacture	Name	Version
1.	03CH02-SZ	AUDIX	E3	6.2009-8-24a



1.10 Applicable Standards

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

- ♦ 47 CFR Part 24(E), 27(L), 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.

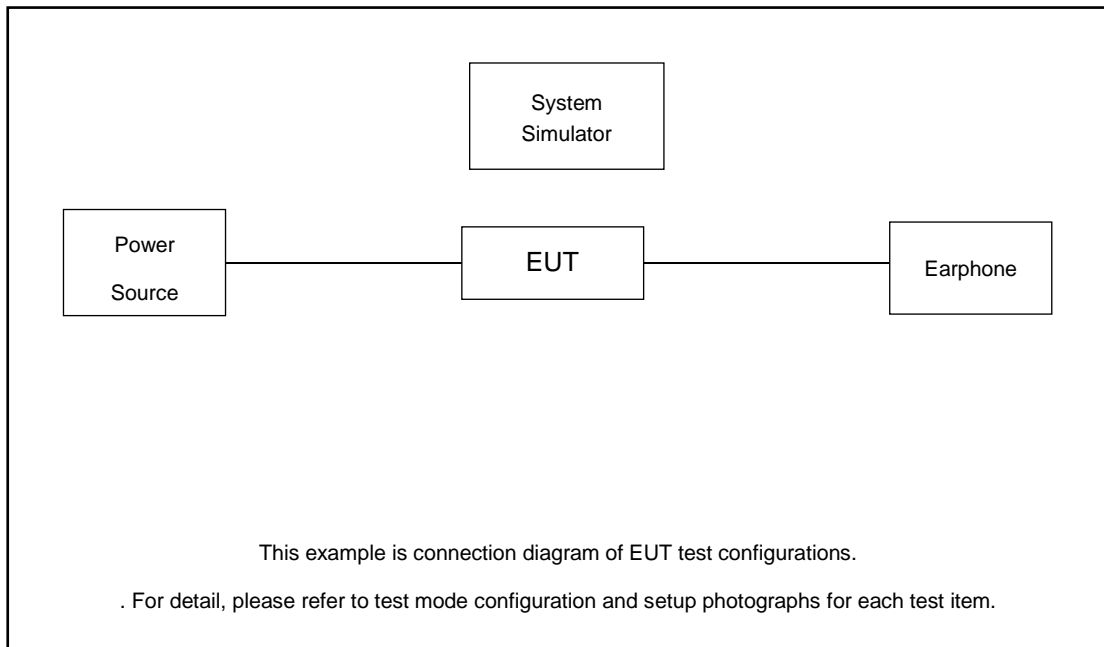
Radiated measurements are performed by rotating the EUT in three different orthogonal test planes to find the maximum emission.

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	2	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	
	4	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	
	41	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v	
Peak-to-Average Ratio	2						v	v	v	v			v		v		
	4						v	v	v	v			v		v		
	41	-	-				v	v	v	v			v		v		
26dB and 99% Bandwidth	2	v	v	v	v	v	v	v	v	v			v		v		
	4	v	v	v	v	v	v	v	v	v			v		v		
	41	-	-	v	v	v	v	v	v	v			v		v		
Conducted Band Edge	2	v	v	v	v	v	v	v	v	v	v		v	v		v	
	4	v	v	v	v	v	v	v	v	v	v		v	v		v	
	41	-	-	v	v	v	v	v	v	v	v		v	v		v	
Conducted Spurious Emission	2	v	v	v	v	v	v	v				v		v	v	v	
	4	v	v	v	v	v	v	v				v		v	v	v	
	41	-	-	v	v	v	v	v				v		v	v	v	
Frequency Stability	2				v			v					v		v		
	4				v			v					v		v		
	41	-	-		v			v					v		v		
E.I.R.P.	2	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	
	4	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	
	41	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v	
Radiated Spurious Emission	2	Worst Case														v	
	4	Worst Case														v	
	41	Worst Case														v	
Note	<ol style="list-style-type: none"> The mark "v" means that this configuration is chosen for testing The mark "-" means that this bandwidth is not supported. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. 																



Test Items	Band	Bandwidth (MHz)										Modulation			RB #			Test Channel			
		20+20	20+15	15+20	20+10	10+20	20+5	5+20	15+15	15+10	10+15	QPSK	16QAM	64QAM	1	Half	Full	L	M	H	
Max. Output Power	41C_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
26dB and 99% Bandwidth	41C_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Conducted Band Edge	41C_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Conducted Spurious Emission	41C_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
E.I.R.P.	41C_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Radiated Spurious Emission	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.																				

2.2 Connection Diagram of Test System





2.3 Support Unit used in test configuration and system

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

2.4 Measurement Results Explanation Example

For all conducted test items:

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

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

$$Offset = RF\ cable\ loss + attenuator\ factor.$$

Following shows an offset computation example with cable loss 4.2 dB and 10dB attenuator.

Example :

$$\begin{aligned}
Offset(dB) &= RF\ cable\ loss(dB) + attenuator\ factor(dB). \\
&= 4.2 + 10 = 14.2\ (dB)
\end{aligned}$$

2.5 Frequency List of Low/Middle/High Channels

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



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

LTE Band 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 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



	SCC	Frequency	2503.8	2593.3	2662.9
		Channel	39899	40694	41490
20 + 10	PCC	Frequency	2520.9	2600.4	2680.0
		Channel	39750	40571	41391
	SCC	Frequency	2506.0	2588.1	2670.1
		Channel	39894	40715	41535
10 + 20	PCC	Frequency	2520.4	2602.5	2684.5
		Channel	39705	40526	41346
	SCC	Frequency	2501.5	2583.6	2665.6
		Channel	39849	40670	41490
20 + 5	PCC	Frequency	2515.9	2598.0	2680.0
		Channel	39750	40595	41440
	SCC	Frequency	2506.0	2590.5	2675.0
		Channel	39867	40712	41557
5 + 20	PCC	Frequency	2517.7	2602.2	2686.7
		Channel	39683	40528	41373
	SCC	Frequency	2499.3	2583.8	2668.3
		Channel	39800	40645	41490
15 + 15	PCC	Frequency	2511.0	2595.5	2680.0
		Channel	39725	40545	41365
	SCC	Frequency	2503.5	2585.5	2667.5
		Channel	39875	40695	41515
10 + 15	PCC	Frequency	2518.5	2600.5	2682.5
		Channel	39703	40549	41395
	SCC	Frequency	2501.3	2585.9	2670.5
		Channel	39823	40669	41515
15 + 10	PCC	Frequency	2513.3	2597.9	2682.5
		Channel	39725	40571	41417
	SCC	Frequency	2503.5	2588.1	2672.7
		Channel	39845	40691	41537
		Frequency	2515.5	2600.1	2684.7

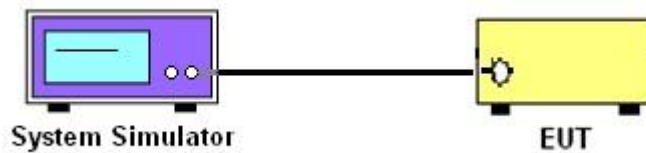
3 Conducted Test Items

3.1 Measuring Instruments

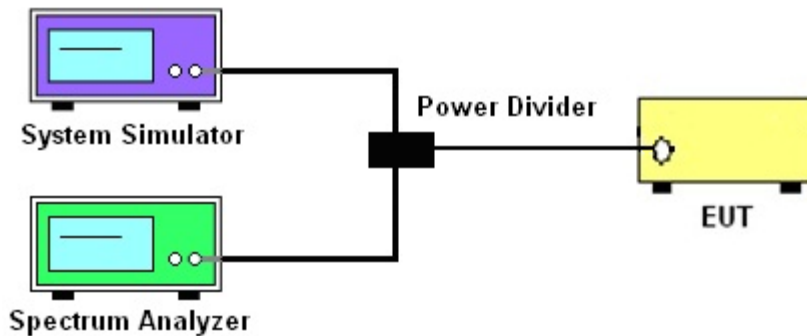
See list of measuring instruments of this test report.

3.2 Test Setup

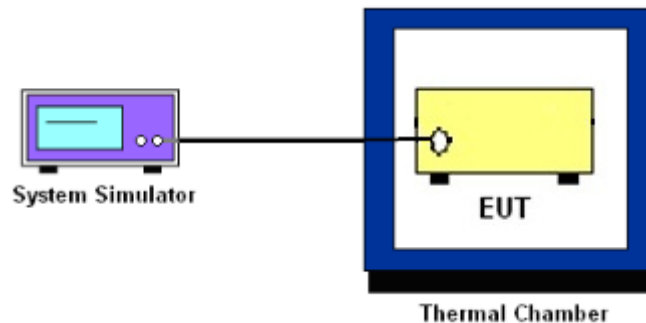
3.2.1 Conducted Output Power



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 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 EIRP of mobile transmitters must not exceed 2 Watts for LTE Band 2 and Band 41.

The EIRP of mobile transmitters must not exceed 1 Watts for LTE Band 4.

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

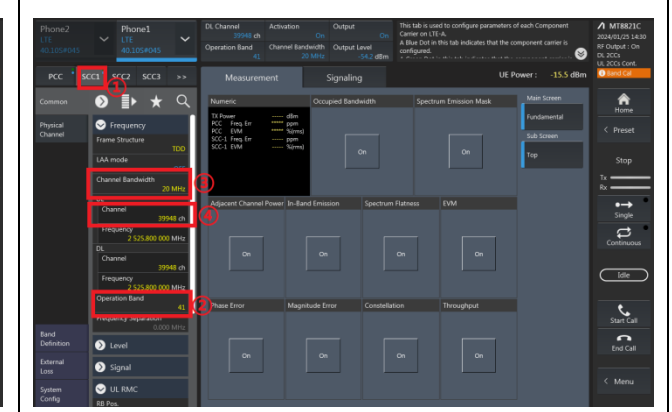
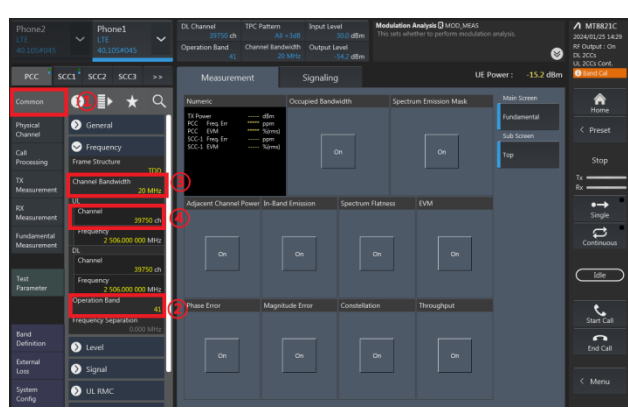
3.4.2 Test Procedures

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.

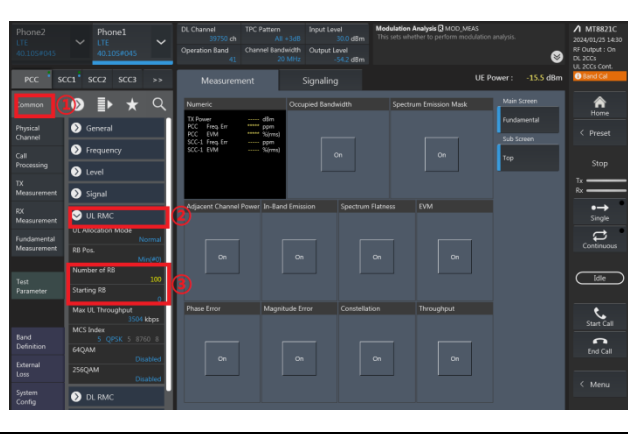
3.4.3 Test Procedures for LTE ULCA

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.

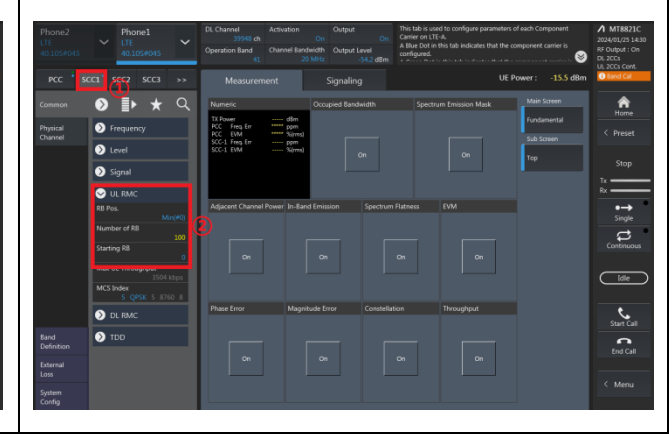
PCC config_(Channel Bandwidth / Channel / Band) SCC config_(Channel Bandwidth / Channel / Band)



PCC config_(Number of RB / Starting RB)

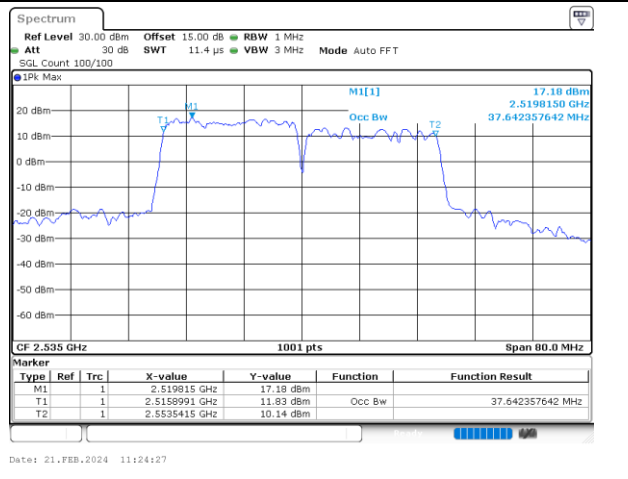


SCC config_(Number of RB / Starting RB)

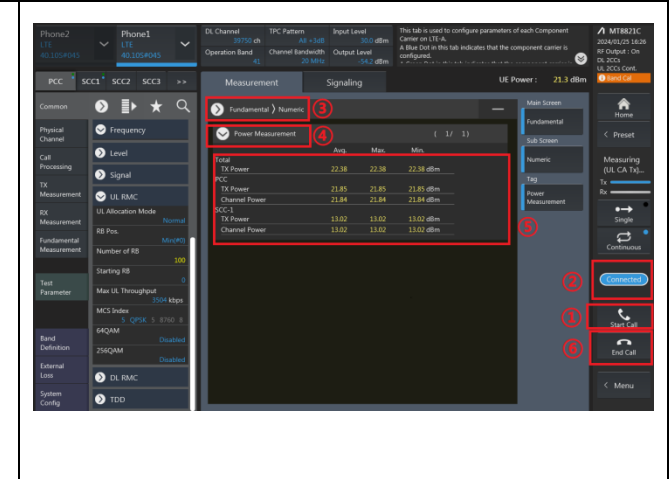


4. Select lowest, middle, and highest channels for each ULCA band and different modulation.
5. Check the ULCA spectrum and record the total power from the system simulator.

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

24.238 (a)

For operations in the 1850-1910 and 1930-1990 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 1MHz bandwidth. However, in the 1 MHz bands immediately outside and adjacent to the 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 (h)

For operations in the 1710 – 1755 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 1 MHz 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(m)(4)

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



3.7.2 Test Procedures

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

Example:

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

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



3.8 Conducted Spurious Emission

3.8.1 Description of Conducted Spurious Emission Measurement

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

For Band 41:

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

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

3.8.2 Test Procedures

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
4. The middle channel for the highest RF power within the transmitting frequency was measured.
5. The conducted spurious emission for the whole frequency range was taken.
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz.
7. Set spectrum analyzer with RMS detector.
8. Taking the record of maximum spurious emission.
9. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
10. The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)
= $P(W) - [43 + 10\log(P)]$ (dB)
= $[30 + 10\log(P)]$ (dBm) - $[43 + 10\log(P)]$ (dB)
= -13dBm.
11. For Band 41
The limit line is derived from $55 + 10\log(P)$ dB below the transmitter power P(Watts)
= $P(W) - [55 + 10\log(P)]$ (dB)
= $[30 + 10\log(P)]$ (dBm) - $[55 + 10\log(P)]$ (dB)
= -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.

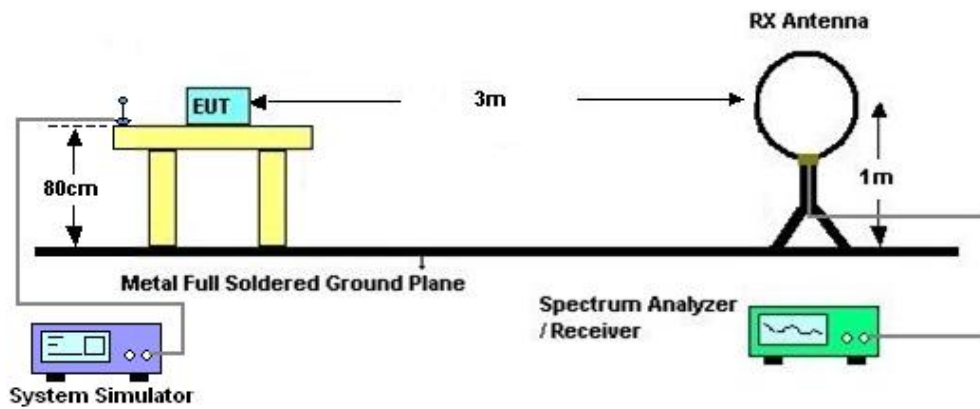
4 Radiated Test Items

4.1 Measuring Instruments

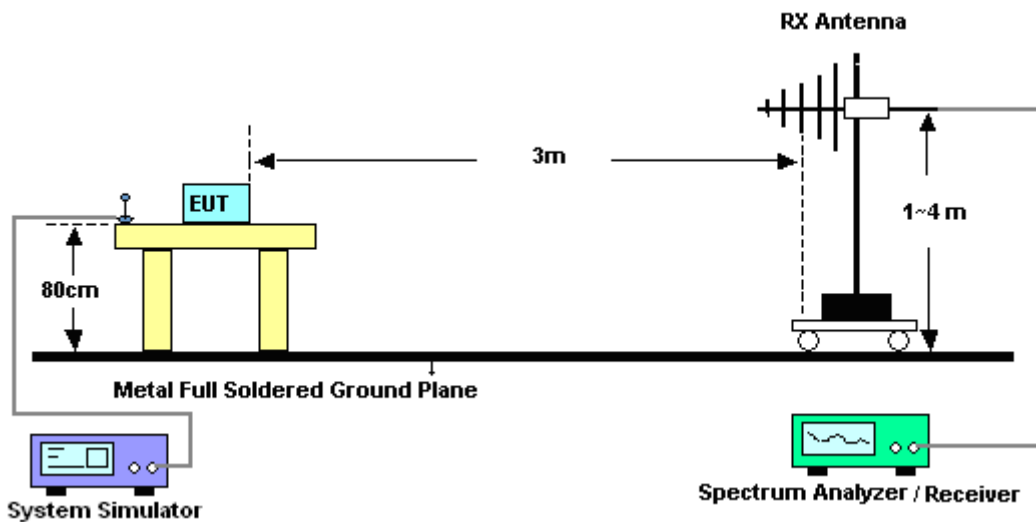
See list of measuring instruments of this test report.

4.2 Test Setup

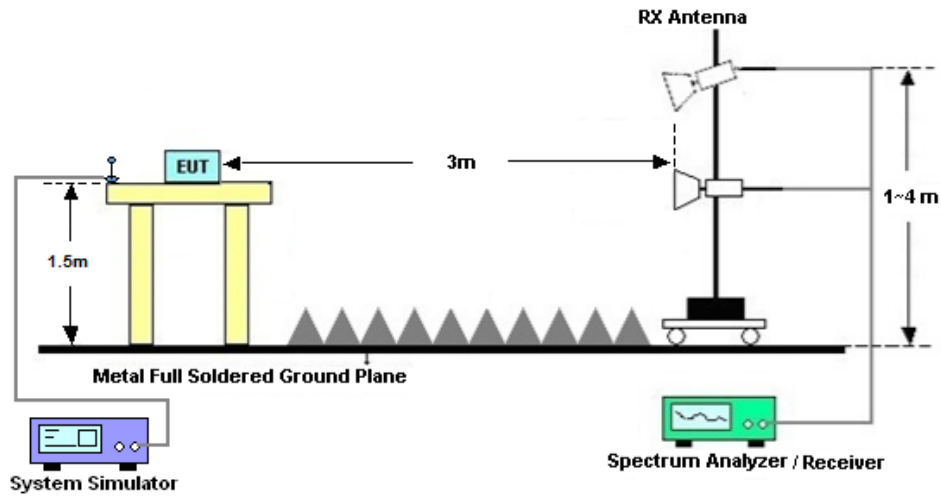
4.2.1 For radiated test below 30MHz



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

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

13. For Band 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. 09, 2024	Mar. 04, 2025~ Mar. 06, 2025	Apr. 08, 2025	Conducted (TH01-SZ)
DC Power Supply	TTI	PL330P	290070	Max 32V , 3A	Oct.14, 2024	Mar. 04, 2025~ Mar. 06, 2025	Oct. 13, 2025	Conducted (TH01-SZ)
Power Divider	Titan	P02N005180	923402	0.4GHz~26.5GHz	Nov. 08, 2024	Mar. 04, 2025~ Mar. 06, 2025	Nov. 07, 2025	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Jul. 03, 2024	Mar. 04, 2025~ Mar. 06, 2025	Jul. 02, 2025	Conducted (TH01-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 03, 2024	Mar. 18, 2025~ Mar. 19, 2025	Jul. 02, 2025	Radiation (03CH02-SZ)
Loop Antenna	R&S	HFH2-Z2E	101141	9kHz~30MHz	Dec. 28, 2024	Mar. 18, 2025~ Mar. 19, 2025	Dec. 27, 2025	Radiation (03CH02-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz-2GHz	Oct. 24, 2023	Mar. 18, 2025~ Mar. 19, 2025	Oct. 23, 2025	Radiation (03CH02-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Jul. 04, 2024	Mar. 18, 2025~ Mar. 19, 2025	Jul. 04, 2025	Radiation (03CH02-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 03, 2024	Mar. 18, 2025~ Mar. 19, 2025	Jul. 03, 2025	Radiation (03CH02-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 09, 2024	Mar. 18, 2025~ Mar. 19, 2025	Apr. 08, 2025	Radiation (03CH02-SZ)
LF Amplifier	Burgeon	BPA-530	102211	0.01~3000Mhz	Oct. 18, 2024	Mar. 18, 2025~ Mar. 19, 2025	Oct. 17, 2025	Radiation (03CH02-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270105	0.5GHz~26.5GHz	Oct. 14, 2024	Mar. 18, 2025~ Mar. 19, 2025	Oct. 13, 2025	Radiation (03CH02-SZ)
AC Power Source	Chroma	61601	616010003043	N/A	Oct. 18, 2024	Mar. 18, 2025~ Mar. 19, 2025	Oct. 17, 2025	Radiation (03CH02-SZ)
Turn Table	Chaintek	T-200	N/A	0~360 degree	NCR	Mar. 18, 2025~ Mar. 19, 2025	NCR	Radiation (03CH02-SZ)
Antenna Mast	Chaintek	MBS-400	N/A	1 m~4 m	NCR	Mar. 18, 2025~ Mar. 19, 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 :	Nina Cheng	Temperature :	24~26°C
		Relative Humidity :	50~53%

Conducted Output Power(Average power) and EIRP

LTE Band 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
							L	M	H
Channel				18700	18900	19100			
Frequency (MHz)				1860	1880	1900	L	M	H
20	QPSK	1	0	22.50	22.51	22.53	0.0794	0.0796	0.0800
20	QPSK	1	49	22.52	22.67	22.55	0.0798	0.0826	0.0804
20	QPSK	1	99	22.28	22.46	22.44	0.0755	0.0787	0.0783
20	QPSK	50	0	21.59	21.64	21.60	0.0644	0.0652	0.0646
20	QPSK	50	24	21.56	21.54	21.59	0.0640	0.0637	0.0644
20	QPSK	50	50	21.47	21.50	21.50	0.0627	0.0631	0.0631
20	QPSK	100	0	21.47	21.52	21.50	0.0627	0.0634	0.0631
20	16QAM	1	0	21.57	22.02	22.03	0.0641	0.0711	0.0713
20	16QAM	1	49	21.71	21.78	21.78	0.0662	0.0673	0.0673
20	16QAM	1	99	21.81	21.85	21.54	0.0678	0.0684	0.0637
20	16QAM	50	0	20.45	20.54	20.55	0.0495	0.0506	0.0507
20	16QAM	50	24	20.57	20.58	20.56	0.0509	0.0511	0.0508
20	16QAM	50	50	20.46	20.41	20.48	0.0497	0.0491	0.0499
20	16QAM	100	0	20.51	20.48	20.47	0.0502	0.0499	0.0498
20	64QAM	1	0	20.70	20.47	20.52	0.0525	0.0498	0.0504
20	64QAM	1	49	20.29	20.83	20.76	0.0478	0.0541	0.0532
20	64QAM	1	99	20.42	20.78	20.43	0.0492	0.0535	0.0493
20	64QAM	50	0	19.50	19.55	19.55	0.0398	0.0403	0.0403
20	64QAM	50	24	19.48	19.52	19.55	0.0396	0.0400	0.0403
20	64QAM	50	50	19.49	19.40	19.45	0.0397	0.0389	0.0394
20	64QAM	100	0	19.43	19.46	19.45	0.0392	0.0394	0.0394
Channel				18675	18900	19125	EIRP(W)		
Frequency (MHz)				1857.5	1880	1902.5	L	M	H
15	QPSK	1	0	22.44	22.58	22.54	0.0783	0.0809	0.0802
15	QPSK	1	37	22.46	22.66	22.51	0.0787	0.0824	0.0796



15	QPSK	1	74	22.22	22.41	22.38	0.0745	0.0778	0.0773
15	QPSK	36	0	21.55	21.69	21.64	0.0638	0.0659	0.0652
15	QPSK	36	20	21.50	21.61	21.64	0.0631	0.0647	0.0652
15	QPSK	36	39	21.53	21.41	21.44	0.0635	0.0618	0.0622
15	QPSK	75	0	21.57	21.58	21.53	0.0641	0.0643	0.0635
15	16QAM	1	0	21.65	22.02	22.05	0.0653	0.0711	0.0716
15	16QAM	1	37	21.76	21.74	21.86	0.0670	0.0667	0.0685
15	16QAM	1	74	21.72	21.87	21.45	0.0664	0.0687	0.0624
15	16QAM	36	0	20.42	20.45	20.60	0.0492	0.0495	0.0513
15	16QAM	36	20	20.60	20.48	20.64	0.0513	0.0499	0.0518
15	16QAM	36	39	20.43	20.33	20.56	0.0493	0.0482	0.0508
15	16QAM	75	0	20.54	20.53	20.40	0.0506	0.0505	0.0490
15	64QAM	1	0	20.72	20.55	20.53	0.0527	0.0507	0.0505
15	64QAM	1	37	20.24	20.75	20.77	0.0472	0.0531	0.0533
15	64QAM	1	74	20.50	20.76	20.49	0.0501	0.0532	0.0500
15	64QAM	36	0	19.59	19.62	19.53	0.0406	0.0409	0.0401
15	64QAM	36	20	19.45	19.52	19.49	0.0394	0.0400	0.0397
15	64QAM	36	39	19.41	19.42	19.36	0.0390	0.0391	0.0385
15	64QAM	75	0	19.46	19.42	19.49	0.0394	0.0391	0.0397
Channel				18650	18900	19150	EIRP(W)		
Frequency (MHz)				1855	1880	1905	L	M	H
10	QPSK	1	0	22.46	22.42	22.52	0.0787	0.0780	0.0798
10	QPSK	1	25	22.61	22.55	22.46	0.0815	0.0804	0.0787
10	QPSK	1	49	22.29	22.37	22.41	0.0757	0.0771	0.0778
10	QPSK	25	0	21.66	21.54	21.63	0.0655	0.0637	0.0650
10	QPSK	25	12	21.55	21.46	21.65	0.0638	0.0625	0.0653
10	QPSK	25	25	21.53	21.57	21.60	0.0635	0.0641	0.0646
10	QPSK	50	0	21.55	21.43	21.47	0.0638	0.0621	0.0627
10	16QAM	1	0	21.63	22.12	22.01	0.0650	0.0728	0.0710
10	16QAM	1	25	21.65	21.85	21.80	0.0653	0.0684	0.0676
10	16QAM	1	49	21.83	21.85	21.49	0.0681	0.0684	0.0630
10	16QAM	25	0	20.54	20.47	20.65	0.0506	0.0498	0.0519
10	16QAM	25	12	20.61	20.64	20.48	0.0514	0.0518	0.0499
10	16QAM	25	25	20.44	20.38	20.43	0.0494	0.0488	0.0493
10	16QAM	50	0	20.54	20.38	20.41	0.0506	0.0488	0.0491
10	64QAM	1	0	20.73	20.40	20.58	0.0528	0.0490	0.0511
10	64QAM	1	25	20.32	20.82	20.77	0.0481	0.0540	0.0533
10	64QAM	1	49	20.36	20.76	20.53	0.0485	0.0532	0.0505



10	64QAM	25	0	19.41	19.48	19.49	0.0390	0.0396	0.0397
10	64QAM	25	12	19.38	19.56	19.65	0.0387	0.0404	0.0412
10	64QAM	25	25	19.59	19.49	19.37	0.0406	0.0397	0.0386
10	64QAM	50	0	19.50	19.38	19.38	0.0398	0.0387	0.0387
Channel				18625	18900	19175	EIRP(W)		
Frequency (MHz)				1852.5	1880	1907.5	L	M	H
5	QPSK	1	0	22.41	22.53	22.61	0.0778	0.0800	0.0815
5	QPSK	1	12	22.50	22.65	22.56	0.0794	0.0822	0.0805
5	QPSK	1	24	22.38	22.36	22.44	0.0773	0.0769	0.0783
5	QPSK	12	0	21.57	21.67	21.65	0.0641	0.0656	0.0653
5	QPSK	12	7	21.50	21.46	21.51	0.0631	0.0625	0.0632
5	QPSK	12	13	21.51	21.55	21.57	0.0632	0.0638	0.0641
5	QPSK	25	0	21.54	21.58	21.44	0.0637	0.0643	0.0622
5	16QAM	1	0	21.59	22.04	21.96	0.0644	0.0714	0.0701
5	16QAM	1	12	21.74	21.69	21.73	0.0667	0.0659	0.0665
5	16QAM	1	24	21.84	21.77	21.45	0.0682	0.0671	0.0624
5	16QAM	12	0	20.44	20.60	20.60	0.0494	0.0513	0.0513
5	16QAM	12	7	20.63	20.60	20.62	0.0516	0.0513	0.0515
5	16QAM	12	13	20.43	20.32	20.56	0.0493	0.0481	0.0508
5	16QAM	25	0	20.47	20.54	20.48	0.0498	0.0506	0.0499
5	64QAM	1	0	20.79	20.38	20.56	0.0536	0.0488	0.0508
5	64QAM	1	12	20.23	20.82	20.86	0.0471	0.0540	0.0545
5	64QAM	1	24	20.44	20.82	20.37	0.0494	0.0540	0.0486
5	64QAM	12	0	19.52	19.58	19.56	0.0400	0.0406	0.0404
5	64QAM	12	7	19.46	19.58	19.55	0.0394	0.0406	0.0403
5	64QAM	12	13	19.39	19.44	19.46	0.0388	0.0393	0.0394
5	64QAM	25	0	19.33	19.56	19.51	0.0383	0.0404	0.0399
Channel				18615	18900	19185	EIRP(W)		
Frequency (MHz)				1851.5	1880	1908.5	L	M	H
3	QPSK	1	0	22.52	22.41	22.59	0.0798	0.0778	0.0811
3	QPSK	1	8	22.48	22.66	22.65	0.0791	0.0824	0.0822
3	QPSK	1	14	22.32	22.42	22.41	0.0762	0.0780	0.0778
3	QPSK	8	0	21.57	21.61	21.61	0.0641	0.0647	0.0647
3	QPSK	8	4	21.57	21.64	21.61	0.0641	0.0652	0.0647
3	QPSK	8	7	21.42	21.47	21.49	0.0619	0.0627	0.0630
3	QPSK	15	0	21.38	21.62	21.41	0.0614	0.0649	0.0618
3	16QAM	1	0	21.60	21.93	22.01	0.0646	0.0697	0.0710
3	16QAM	1	8	21.71	21.80	21.85	0.0662	0.0676	0.0684



3	16QAM	1	14	21.91	21.76	21.46	0.0693	0.0670	0.0625
3	16QAM	8	0	20.50	20.47	20.54	0.0501	0.0498	0.0506
3	16QAM	8	4	20.65	20.59	20.52	0.0519	0.0512	0.0504
3	16QAM	8	7	20.41	20.46	20.56	0.0491	0.0497	0.0508
3	16QAM	15	0	20.55	20.56	20.37	0.0507	0.0508	0.0486
3	64QAM	1	0	20.73	20.42	20.47	0.0528	0.0492	0.0498
3	64QAM	1	8	20.28	20.84	20.83	0.0476	0.0542	0.0541
3	64QAM	1	14	20.37	20.86	20.39	0.0486	0.0545	0.0489
3	64QAM	8	0	19.58	19.63	19.62	0.0406	0.0410	0.0409
3	64QAM	8	4	19.50	19.44	19.49	0.0398	0.0393	0.0397
3	64QAM	8	7	19.48	19.31	19.39	0.0396	0.0381	0.0388
3	64QAM	15	0	19.50	19.42	19.45	0.0398	0.0391	0.0394
Channel				18607	18900	19193	EIRP(W)		
Frequency (MHz)				1850.7	1880	1909.3	L	M	H
1.4	QPSK	1	0	22.60	22.54	22.53	0.0813	0.0802	0.0800
1.4	QPSK	1	3	22.41	22.65	22.54	0.0778	0.0822	0.0802
1.4	QPSK	1	5	22.52	22.64	22.57	0.0798	0.0820	0.0807
1.4	QPSK	3	0	22.54	22.63	22.54	0.0802	0.0818	0.0802
1.4	QPSK	3	1	22.53	22.54	22.60	0.0800	0.0802	0.0813
1.4	QPSK	3	3	22.53	22.60	22.58	0.0800	0.0813	0.0809
1.4	QPSK	6	0	21.51	21.59	21.59	0.0632	0.0644	0.0644
1.4	16QAM	1	0	21.70	21.77	21.49	0.0661	0.0671	0.0630
1.4	16QAM	1	3	22.00	21.87	22.08	0.0708	0.0687	0.0721
1.4	16QAM	1	5	21.44	22.09	22.00	0.0622	0.0723	0.0708
1.4	16QAM	3	0	21.55	21.61	21.63	0.0638	0.0647	0.0650
1.4	16QAM	3	1	21.63	21.64	21.36	0.0650	0.0652	0.0611
1.4	16QAM	3	3	21.41	21.43	21.47	0.0618	0.0621	0.0627
1.4	16QAM	6	0	20.47	20.71	20.57	0.0498	0.0526	0.0509
1.4	64QAM	1	0	20.32	20.32	20.84	0.0481	0.0481	0.0542
1.4	64QAM	1	3	20.66	20.62	20.59	0.0520	0.0515	0.0512
1.4	64QAM	1	5	20.70	20.82	20.85	0.0525	0.0540	0.0543
1.4	64QAM	3	0	20.64	20.75	20.77	0.0518	0.0531	0.0533
1.4	64QAM	3	1	20.74	20.41	20.73	0.0530	0.0491	0.0528
1.4	64QAM	3	3	20.54	20.65	20.68	0.0506	0.0519	0.0522
1.4	64QAM	6	0	19.43	19.57	19.43	0.0392	0.0405	0.0392



LTE Band 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	EIRP(W)		
				Ch. / Freq.	Ch. / Freq.	Ch. / Freq.	L	M	H
Channel				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745	L	M	H
20	QPSK	1	0	22.37	22.42	22.27	0.1064	0.1076	0.1040
20	QPSK	1	49	22.48	22.55	22.42	0.1091	0.1109	0.1076
20	QPSK	1	99	22.19	22.28	22.17	0.1021	0.1042	0.1016
20	QPSK	50	0	21.47	21.48	21.42	0.0865	0.0867	0.0855
20	QPSK	50	24	21.46	21.43	21.36	0.0863	0.0857	0.0843
20	QPSK	50	50	21.41	21.40	21.32	0.0853	0.0851	0.0836
20	QPSK	100	0	21.38	21.43	21.40	0.0847	0.0857	0.0851
20	16QAM	1	0	21.85	21.53	21.27	0.0944	0.0877	0.0826
20	16QAM	1	49	21.84	21.40	21.45	0.0942	0.0851	0.0861
20	16QAM	1	99	21.29	21.45	21.42	0.0830	0.0861	0.0855
20	16QAM	50	0	20.37	20.37	20.39	0.0671	0.0671	0.0675
20	16QAM	50	24	20.41	20.40	20.34	0.0678	0.0676	0.0667
20	16QAM	50	50	20.39	20.43	20.31	0.0675	0.0681	0.0662
20	16QAM	100	0	20.31	20.37	20.32	0.0662	0.0671	0.0664
20	64QAM	1	0	20.44	20.36	20.57	0.0682	0.0670	0.0703
20	64QAM	1	49	20.09	20.56	20.57	0.0630	0.0701	0.0703
20	64QAM	1	99	20.49	20.20	20.31	0.0690	0.0646	0.0662
20	64QAM	50	0	19.39	19.38	19.36	0.0536	0.0535	0.0532
20	64QAM	50	24	19.39	19.35	19.33	0.0536	0.0531	0.0528
20	64QAM	50	50	19.37	19.33	19.30	0.0533	0.0528	0.0525
20	64QAM	100	0	19.34	19.40	19.26	0.0530	0.0537	0.0520
Channel				20025	20175	20325	EIRP(W)		
Frequency (MHz)				1717.5	1732.5	1747.5	L	M	H
15	QPSK	1	0	22.34	22.44	22.28	0.1057	0.1081	0.1042
15	QPSK	1	37	22.30	22.48	22.32	0.1047	0.1091	0.1052
15	QPSK	1	74	22.15	22.36	22.21	0.1012	0.1062	0.1026
15	QPSK	36	0	21.37	21.48	21.49	0.0845	0.0867	0.0869
15	QPSK	36	20	21.46	21.50	21.33	0.0863	0.0871	0.0838
15	QPSK	36	39	21.32	21.49	21.27	0.0836	0.0869	0.0826
15	QPSK	75	0	21.30	21.37	21.44	0.0832	0.0845	0.0859
15	16QAM	1	0	21.91	21.57	21.17	0.0957	0.0885	0.0807
15	16QAM	1	37	21.74	21.45	21.48	0.0920	0.0861	0.0867
15	16QAM	1	74	21.30	21.55	21.50	0.0832	0.0881	0.0871
15	16QAM	36	0	20.42	20.46	20.31	0.0679	0.0685	0.0662
15	16QAM	36	20	20.47	20.50	20.35	0.0687	0.0692	0.0668
15	16QAM	36	39	20.46	20.39	20.36	0.0685	0.0675	0.0670
15	16QAM	75	0	20.36	20.32	20.29	0.0670	0.0664	0.0659
15	64QAM	1	0	20.44	20.37	20.60	0.0682	0.0671	0.0708
15	64QAM	1	37	20.03	20.52	20.55	0.0621	0.0695	0.0700



15	64QAM	1	74	20.50	20.27	20.24	0.0692	0.0656	0.0652
15	64QAM	36	0	19.41	19.30	19.43	0.0538	0.0525	0.0541
15	64QAM	36	20	19.46	19.39	19.35	0.0545	0.0536	0.0531
15	64QAM	36	39	19.47	19.26	19.34	0.0546	0.0520	0.0530
15	64QAM	75	0	19.40	19.36	19.33	0.0537	0.0532	0.0528
Channel				20000	20175	20350	EIRP(W)		
Frequency (MHz)				1715	1732.5	1750	L	M	H
10	QPSK	1	0	22.36	22.35	22.37	0.1062	0.1059	0.1064
10	QPSK	1	25	22.35	22.53	22.29	0.1059	0.1104	0.1045
10	QPSK	1	49	22.21	22.19	22.25	0.1026	0.1021	0.1035
10	QPSK	25	0	21.55	21.47	21.33	0.0881	0.0865	0.0838
10	QPSK	25	12	21.53	21.41	21.45	0.0877	0.0853	0.0861
10	QPSK	25	25	21.42	21.36	21.37	0.0855	0.0843	0.0845
10	QPSK	50	0	21.39	21.39	21.43	0.0849	0.0849	0.0857
10	16QAM	1	0	21.79	21.62	21.19	0.0931	0.0895	0.0811
10	16QAM	1	25	21.81	21.34	21.40	0.0935	0.0839	0.0851
10	16QAM	1	49	21.36	21.37	21.42	0.0843	0.0845	0.0855
10	16QAM	25	0	20.41	20.30	20.46	0.0678	0.0661	0.0685
10	16QAM	25	12	20.42	20.32	20.35	0.0679	0.0664	0.0668
10	16QAM	25	25	20.35	20.38	20.32	0.0668	0.0673	0.0664
10	16QAM	50	0	20.27	20.35	20.24	0.0656	0.0668	0.0652
10	64QAM	1	0	20.52	20.30	20.65	0.0695	0.0661	0.0716
10	64QAM	1	25	20.00	20.65	20.59	0.0617	0.0716	0.0706
10	64QAM	1	49	20.51	20.14	20.30	0.0693	0.0637	0.0661
10	64QAM	25	0	19.39	19.44	19.29	0.0536	0.0542	0.0524
10	64QAM	25	12	19.47	19.37	19.40	0.0546	0.0533	0.0537
10	64QAM	25	25	19.46	19.25	19.32	0.0545	0.0519	0.0527
10	64QAM	50	0	19.26	19.39	19.35	0.0520	0.0536	0.0531
Channel				19975	20175	20375	EIRP(W)		
Frequency (MHz)				1712.5	1732.5	1752.5	L	M	H
5	QPSK	1	0	22.36	22.43	22.18	0.1062	0.1079	0.1019
5	QPSK	1	12	22.31	22.36	22.32	0.1050	0.1062	0.1052
5	QPSK	1	24	22.10	22.21	22.11	0.1000	0.1026	0.1002
5	QPSK	12	0	21.43	21.56	21.44	0.0857	0.0883	0.0859
5	QPSK	12	7	21.53	21.37	21.31	0.0877	0.0845	0.0834
5	QPSK	12	13	21.46	21.50	21.29	0.0863	0.0871	0.0830
5	QPSK	25	0	21.34	21.35	21.50	0.0839	0.0841	0.0871
5	16QAM	1	0	21.88	21.47	21.32	0.0951	0.0865	0.0836
5	16QAM	1	12	21.85	21.46	21.37	0.0944	0.0863	0.0845
5	16QAM	1	24	21.28	21.43	21.34	0.0828	0.0857	0.0839
5	16QAM	12	0	20.34	20.46	20.46	0.0667	0.0685	0.0685
5	16QAM	12	7	20.49	20.47	20.42	0.0690	0.0687	0.0679
5	16QAM	12	13	20.41	20.36	20.23	0.0678	0.0670	0.0650
5	16QAM	25	0	20.39	20.47	20.27	0.0675	0.0687	0.0656
5	64QAM	1	0	20.42	20.44	20.54	0.0679	0.0682	0.0698



5	64QAM	1	12	20.02	20.53	20.50	0.0619	0.0697	0.0692
5	64QAM	1	24	20.50	20.25	20.36	0.0692	0.0653	0.0670
5	64QAM	12	0	19.33	19.37	19.46	0.0528	0.0533	0.0545
5	64QAM	12	7	19.33	19.34	19.43	0.0528	0.0530	0.0541
5	64QAM	12	13	19.39	19.23	19.32	0.0536	0.0516	0.0527
5	64QAM	25	0	19.33	19.32	19.33	0.0528	0.0527	0.0528
Channel				19965	20175	20385	EIRP(W)		
Frequency (MHz)				1711.5	1732.5	1753.5	L	M	H
3	QPSK	1	0	22.47	22.52	22.34	0.1089	0.1102	0.1057
3	QPSK	1	8	22.29	22.44	22.36	0.1045	0.1081	0.1062
3	QPSK	1	14	22.28	22.37	22.11	0.1042	0.1064	0.1002
3	QPSK	8	0	21.38	21.43	21.44	0.0847	0.0857	0.0859
3	QPSK	8	4	21.49	21.50	21.46	0.0869	0.0871	0.0863
3	QPSK	8	7	21.45	21.41	21.37	0.0861	0.0853	0.0845
3	QPSK	15	0	21.36	21.51	21.47	0.0843	0.0873	0.0865
3	16QAM	1	0	21.94	21.62	21.22	0.0964	0.0895	0.0817
3	16QAM	1	8	21.74	21.46	21.35	0.0920	0.0863	0.0841
3	16QAM	1	14	21.22	21.38	21.52	0.0817	0.0847	0.0875
3	16QAM	8	0	20.33	20.38	20.31	0.0665	0.0673	0.0662
3	16QAM	8	4	20.50	20.49	20.38	0.0692	0.0690	0.0673
3	16QAM	8	7	20.45	20.42	20.35	0.0684	0.0679	0.0668
3	16QAM	15	0	20.36	20.36	20.22	0.0670	0.0670	0.0649
3	64QAM	1	0	20.37	20.40	20.58	0.0671	0.0676	0.0705
3	64QAM	1	8	20.15	20.64	20.61	0.0638	0.0714	0.0710
3	64QAM	1	14	20.53	20.29	20.40	0.0697	0.0659	0.0676
3	64QAM	8	0	19.34	19.34	19.32	0.0530	0.0530	0.0527
3	64QAM	8	4	19.38	19.45	19.24	0.0535	0.0543	0.0518
3	64QAM	8	7	19.35	19.29	19.28	0.0531	0.0524	0.0522
3	64QAM	15	0	19.25	19.33	19.19	0.0519	0.0528	0.0512
Channel				19950	20175	20393	EIRP(W)		
Frequency (MHz)				1710	1732.5	1754.3	L	M	H
1.4	QPSK	1	0	22.41	22.52	22.29	0.1074	0.1102	0.1045
1.4	QPSK	1	3	22.25	22.54	22.46	0.1035	0.1107	0.1086
1.4	QPSK	1	5	22.44	22.43	22.36	0.1081	0.1079	0.1062
1.4	QPSK	3	0	22.33	22.40	22.42	0.1054	0.1072	0.1076
1.4	QPSK	3	1	22.33	22.49	22.35	0.1054	0.1094	0.1059
1.4	QPSK	3	3	22.44	22.44	22.35	0.1081	0.1081	0.1059
1.4	QPSK	6	0	21.47	21.49	21.41	0.0865	0.0869	0.0853
1.4	16QAM	1	0	22.00	21.49	21.52	0.0977	0.0869	0.0875
1.4	16QAM	1	3	21.60	21.55	21.94	0.0891	0.0881	0.0964
1.4	16QAM	1	5	21.86	21.93	21.84	0.0946	0.0962	0.0942
1.4	16QAM	3	0	21.40	21.41	21.26	0.0851	0.0853	0.0824
1.4	16QAM	3	1	21.36	21.39	21.50	0.0843	0.0849	0.0871
1.4	16QAM	3	3	21.27	21.43	21.42	0.0826	0.0857	0.0855
1.4	16QAM	6	0	20.42	20.61	20.40	0.0679	0.0710	0.0676



1.4	64QAM	1	0	20.40	20.44	20.60	0.0676	0.0682	0.0708
1.4	64QAM	1	3	20.49	20.35	20.09	0.0690	0.0668	0.0630
1.4	64QAM	1	5	20.50	20.59	20.51	0.0692	0.0706	0.0693
1.4	64QAM	3	0	20.41	20.57	20.48	0.0678	0.0703	0.0689
1.4	64QAM	3	1	20.46	20.61	20.24	0.0685	0.0710	0.0652
1.4	64QAM	3	3	20.39	20.43	20.60	0.0675	0.0681	0.0708
1.4	64QAM	6	0	19.23	19.33	19.31	0.0516	0.0528	0.0526

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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	25.19	25.31	25.22	0.1346	0.1384	0.1355
20	QPSK	1	49	25.42	25.41	25.35	0.1419	0.1416	0.1396
20	QPSK	1	99	25.32	25.34	25.21	0.1387	0.1393	0.1352
20	QPSK	50	0	24.41	24.51	24.43	0.1125	0.1151	0.1130
20	QPSK	50	24	24.55	24.55	24.44	0.1161	0.1161	0.1132
20	QPSK	50	50	24.51	24.54	24.36	0.1151	0.1159	0.1112
20	QPSK	100	0	24.49	24.50	24.43	0.1146	0.1148	0.1130
20	16QAM	1	0	24.54	24.56	24.46	0.1159	0.1164	0.1138
20	16QAM	1	49	24.76	24.88	24.63	0.1219	0.1253	0.1183
20	16QAM	1	99	24.63	24.59	24.47	0.1183	0.1172	0.1140
20	16QAM	50	0	23.48	23.53	23.46	0.0908	0.0918	0.0904
20	16QAM	50	24	23.57	23.52	23.46	0.0927	0.0916	0.0904
20	16QAM	50	50	23.52	23.52	23.38	0.0916	0.0916	0.0887
20	16QAM	100	0	23.53	23.52	23.44	0.0918	0.0916	0.0899
20	64QAM	1	0	23.40	23.44	23.36	0.0891	0.0899	0.0883
20	64QAM	1	49	23.55	23.59	23.47	0.0923	0.0931	0.0906
20	64QAM	1	99	23.46	23.51	23.31	0.0904	0.0914	0.0873
20	64QAM	50	0	22.44	22.46	22.42	0.0714	0.0718	0.0711
20	64QAM	50	24	22.48	22.48	22.38	0.0721	0.0721	0.0705
20	64QAM	50	50	22.47	22.49	22.33	0.0719	0.0723	0.0697
20	64QAM	100	0	22.51	22.44	22.38	0.0726	0.0714	0.0705
Channel				39725	40620	41515	EIRP(W)		
Frequency (MHz)				2503.5	2593	2682.5	L	M	H
15	QPSK	1	0	25.43	25.41	25.38	0.1422	0.1416	0.1406
15	QPSK	1	37	25.49	25.44	25.46	0.1442	0.1426	0.1432
15	QPSK	1	74	25.43	25.49	25.37	0.1422	0.1442	0.1403
15	QPSK	36	0	24.51	24.48	24.39	0.1151	0.1143	0.1119
15	QPSK	36	20	24.51	24.46	24.39	0.1151	0.1138	0.1119
15	QPSK	36	39	24.53	24.43	24.36	0.1156	0.1130	0.1112
15	QPSK	75	0	24.55	24.53	24.43	0.1161	0.1156	0.1130
15	16QAM	1	0	24.56	24.64	24.49	0.1164	0.1186	0.1146



15	16QAM	1	37	24.68	24.74	24.54	0.1197	0.1213	0.1159
15	16QAM	1	74	24.77	24.67	24.50	0.1222	0.1194	0.1148
15	16QAM	36	0	23.53	23.48	23.36	0.0918	0.0908	0.0883
15	16QAM	36	20	23.45	23.47	23.38	0.0902	0.0906	0.0887
15	16QAM	36	39	23.52	23.47	23.36	0.0916	0.0906	0.0883
15	16QAM	75	0	23.54	23.55	23.37	0.0920	0.0923	0.0885
15	64QAM	1	0	23.46	23.48	23.40	0.0904	0.0908	0.0891
15	64QAM	1	37	23.58	23.53	23.38	0.0929	0.0918	0.0887
15	64QAM	1	74	23.51	23.54	23.33	0.0914	0.0920	0.0877
15	64QAM	36	0	22.51	22.46	22.32	0.0726	0.0718	0.0695
15	64QAM	36	20	22.50	22.44	22.36	0.0724	0.0714	0.0701
15	64QAM	36	39	22.49	22.46	22.32	0.0723	0.0718	0.0695
15	64QAM	75	0	22.48	22.51	22.38	0.0721	0.0726	0.0705
Channel				39700	40620	41540	EIRP(W)		
Frequency (MHz)				2501	2593	2685	L	M	H
10	QPSK	1	0	25.34	25.44	25.36	0.1393	0.1426	0.1400
10	QPSK	1	25	25.38	25.51	25.40	0.1406	0.1449	0.1413
10	QPSK	1	49	25.37	25.44	25.36	0.1403	0.1426	0.1400
10	QPSK	25	0	24.41	24.53	24.53	0.1125	0.1156	0.1156
10	QPSK	25	12	24.53	24.54	24.47	0.1156	0.1159	0.1140
10	QPSK	25	25	24.59	24.52	24.46	0.1172	0.1153	0.1138
10	QPSK	50	0	24.55	24.54	24.47	0.1161	0.1159	0.1140
10	16QAM	1	0	24.69	24.78	24.63	0.1199	0.1225	0.1183
10	16QAM	1	25	24.67	24.73	24.64	0.1194	0.1211	0.1186
10	16QAM	1	49	24.75	24.72	24.59	0.1216	0.1208	0.1172
10	16QAM	25	0	23.55	23.55	23.49	0.0923	0.0923	0.0910
10	16QAM	25	12	23.60	23.54	23.49	0.0933	0.0920	0.0910
10	16QAM	25	25	23.60	23.54	23.50	0.0933	0.0920	0.0912
10	16QAM	50	0	23.63	23.54	23.49	0.0940	0.0920	0.0910
10	64QAM	1	0	23.54	23.59	23.44	0.0920	0.0931	0.0899
10	64QAM	1	25	23.55	23.64	23.52	0.0923	0.0942	0.0916
10	64QAM	1	49	23.57	23.60	23.43	0.0927	0.0933	0.0897
10	64QAM	25	0	22.58	22.59	22.51	0.0738	0.0740	0.0726
10	64QAM	25	12	22.64	22.57	22.52	0.0748	0.0736	0.0728
10	64QAM	25	25	22.67	22.57	22.48	0.0753	0.0736	0.0721
10	64QAM	50	0	22.47	22.53	22.38	0.0719	0.0729	0.0705
Channel				39675	40620	41565	EIRP(W)		
Frequency (MHz)				2498.5	2593	2687.5	L	M	H
5	QPSK	1	0	25.39	25.49	25.39	0.1409	0.1442	0.1409
5	QPSK	1	12	25.39	25.48	25.40	0.1409	0.1439	0.1413
5	QPSK	1	24	25.47	25.45	25.41	0.1435	0.1429	0.1416
5	QPSK	12	0	24.50	24.51	24.49	0.1148	0.1151	0.1146
5	QPSK	12	7	24.51	24.52	24.44	0.1151	0.1153	0.1132
5	QPSK	12	13	24.52	24.49	24.39	0.1153	0.1146	0.1119
5	QPSK	25	0	24.52	24.50	24.46	0.1153	0.1148	0.1138



5	16QAM	1	0	24.67	24.70	24.59	0.1194	0.1202	0.1172
5	16QAM	1	12	24.73	24.81	24.62	0.1211	0.1233	0.1180
5	16QAM	1	24	24.64	24.76	24.57	0.1186	0.1219	0.1167
5	16QAM	12	0	23.53	23.55	23.48	0.0918	0.0923	0.0908
5	16QAM	12	7	23.48	23.50	23.43	0.0908	0.0912	0.0897
5	16QAM	12	13	23.53	23.50	23.45	0.0918	0.0912	0.0902
5	16QAM	25	0	23.61	23.53	23.50	0.0935	0.0918	0.0912
5	64QAM	1	0	23.56	23.56	23.46	0.0925	0.0925	0.0904
5	64QAM	1	12	23.52	23.57	23.55	0.0916	0.0927	0.0923
5	64QAM	1	24	23.55	23.59	23.44	0.0923	0.0931	0.0899
5	64QAM	12	0	22.52	22.55	22.49	0.0728	0.0733	0.0723
5	64QAM	12	7	22.49	22.44	22.48	0.0723	0.0714	0.0721
5	64QAM	12	13	22.47	22.46	22.46	0.0719	0.0718	0.0718
5	64QAM	25	0	22.56	22.52	22.51	0.0735	0.0728	0.0726

LTE Band 41C

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	1	Max	1	0	21.67	0.0598
M	40521_40719	QPSK	1	Max	1	0	21.81	0.0618
H	41292_41490	QPSK	1	Max	1	0	21.97	0.0641
L	39750_39948	16QAM	1	Max	1	0	20.93	0.0505
M	40521_40719	16QAM	1	Max	1	0	21.02	0.0515
H	41292_41490	16QAM	1	Max	1	0	21.09	0.0524
L	39750_39948	64QAM	1	Max	1	0	18.56	0.0292
M	40521_40719	64QAM	1	Max	1	0	18.71	0.0303
H	41292_41490	64QAM	1	Max	1	0	18.76	0.0306
Combination 20MHz+15MHz (100RB+75RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
H	40546_40717	QPSK	1	Max	1	0	21.94	0.0637
H	40546_40717	16QAM	1	Max	1	0	20.90	0.0501
Combination 15MHz+20MHz (75RB+100RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
H	40523_40694	QPSK	1	Max	1	0	21.97	0.0641
H	40523_40694	16QAM	1	Max	1	0	20.89	0.0500
Combination 15MHz+15MHz (75RB+75RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
H	40545_40695	QPSK	1	Max	1	0	21.92	0.0634
H	40545_40695	16QAM	1	Max	1	0	20.83	0.0493
Combination 20MHz+10MHz (100RB+50RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)



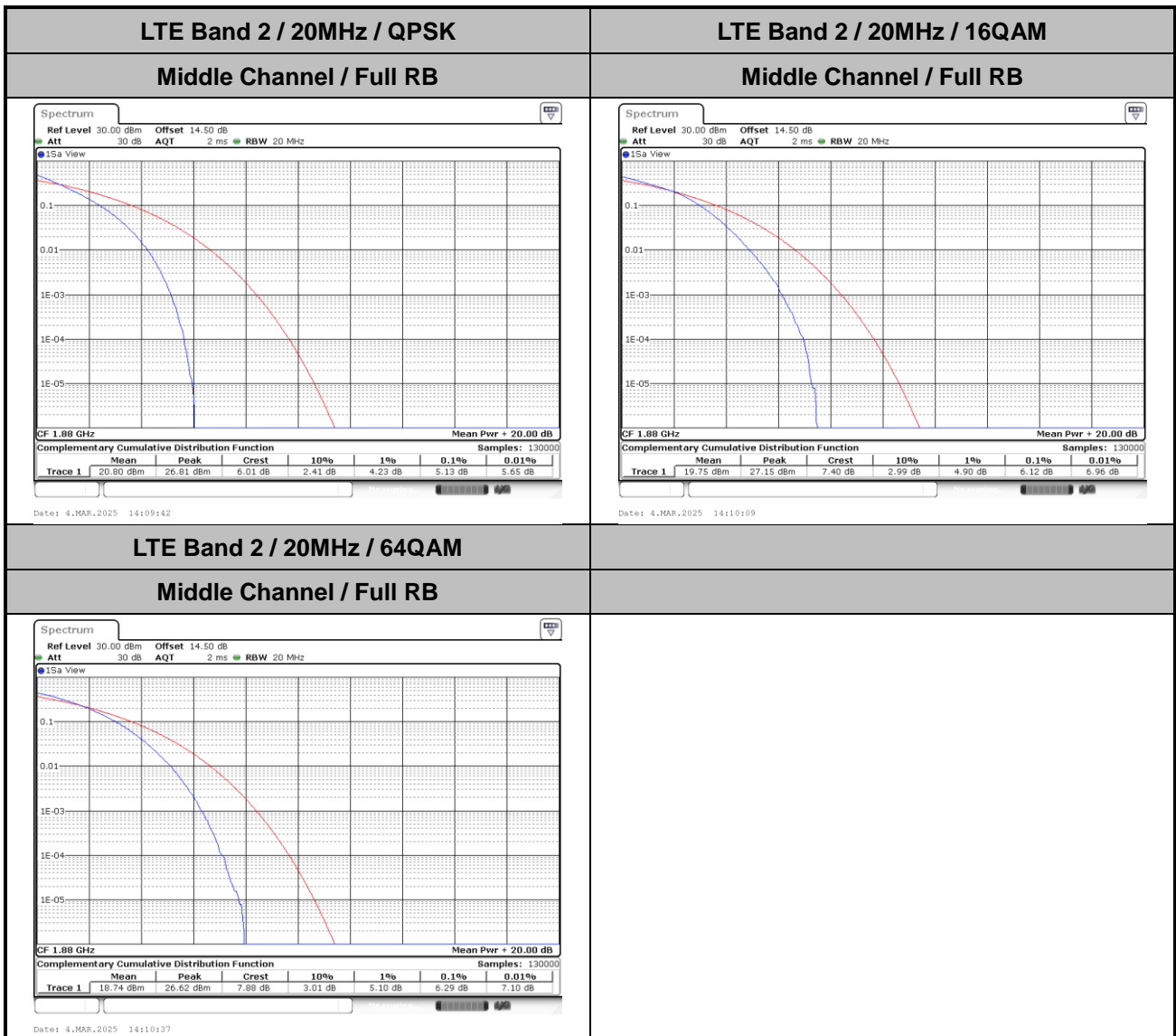
			RB Size	RB offset	RB Size	RB offset		
H	40571_40715	QPSK	1	Max	1	0	21.81	0.0618
H	40571_40715	16QAM	1	Max	1	0	20.85	0.0495
Combination 10MHz+20MHz (50RB+100RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
H	40526_40670	QPSK	1	Max	1	0	21.80	0.0617
H	40526_40670	16QAM	1	Max	1	0	20.86	0.0497
Combination 15MHz+10MHz (75RB+50RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
H	40571_40691	QPSK	1	Max	1	0	21.89	0.0630
H	40571_40691	16QAM	1	Max	1	0	20.81	0.0491
Combination 10MHz+15MHz (50RB+75RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
H	40549_40669	QPSK	1	Max	1	0	21.88	0.0628
H	40549_40669	16QAM	1	Max	1	0	20.85	0.0495
Combination 20MHz+5MHz (100RB+25RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
H	40595_40712	QPSK	1	Max	1	0	21.80	0.0617
H	40595_40712	16QAM	1	Max	1	0	20.83	0.0493
Combination 5MHz+20MHz (25RB+100RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
H	40528_40645	QPSK	1	Max	1	0	21.82	0.0619
H	40528_40645	16QAM	1	Max	1	0	20.81	0.0491



LTE Band 2

Peak-to-Average Ratio

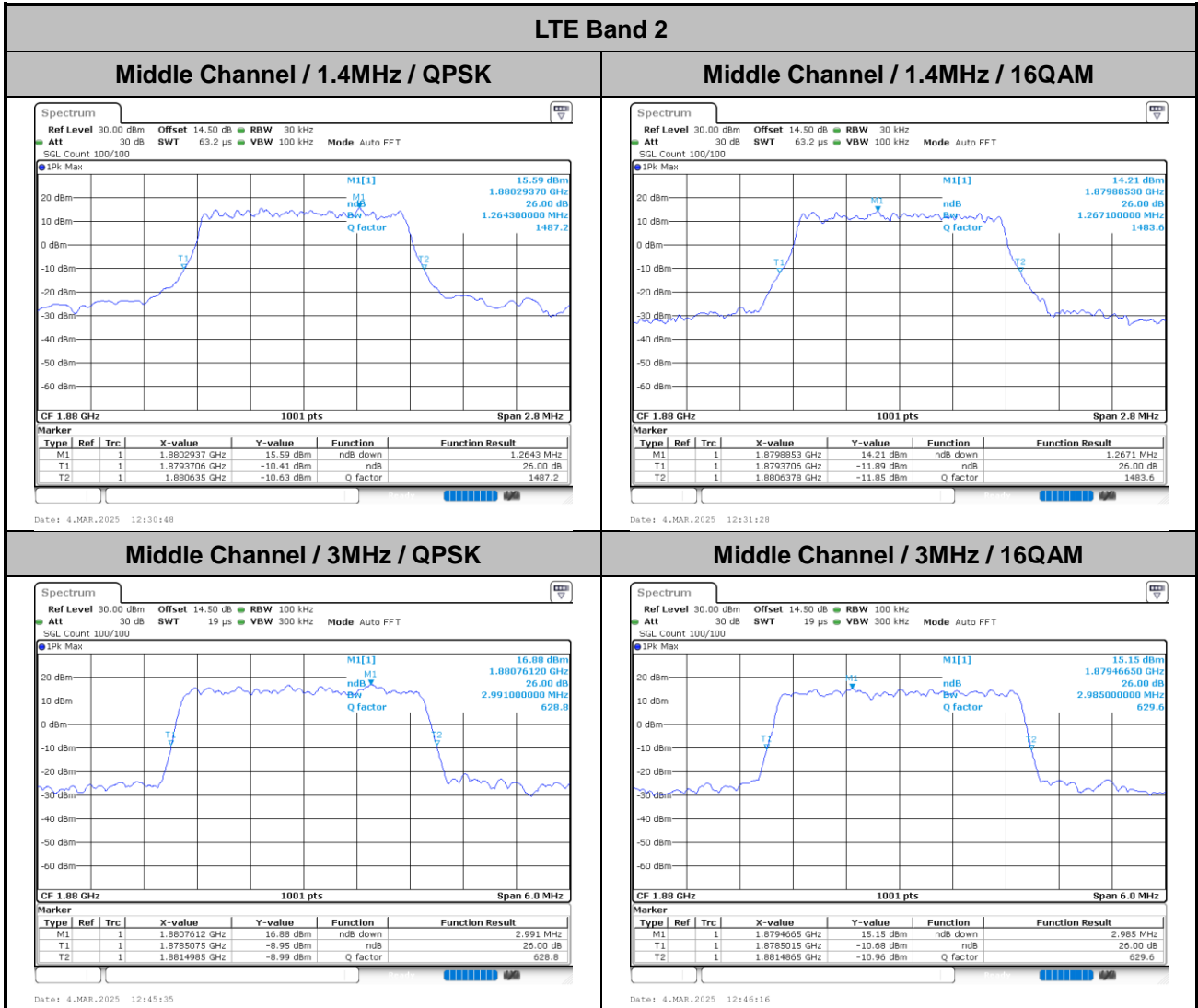
Mode	LTE Band 2 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.13	6.12	6.29	PASS





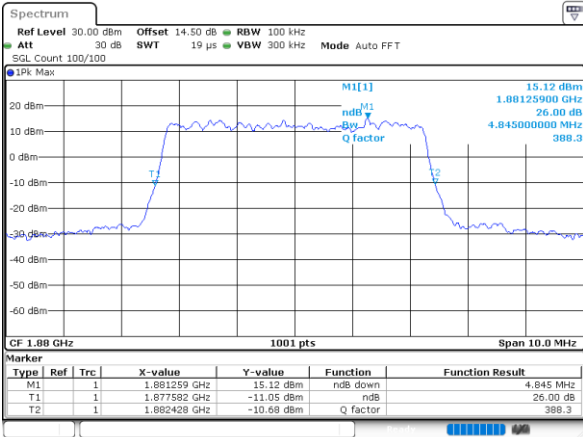
26dB Bandwidth

Mode	LTE Band 2 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.26	1.27	2.99	2.99	4.85	4.78	9.83	9.75	14.42	14.42	18.94	18.90



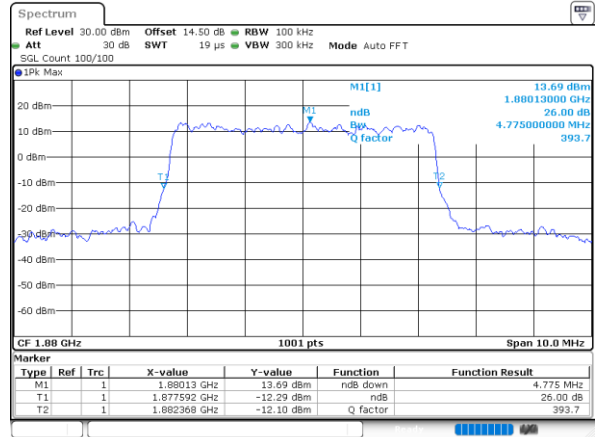


Middle Channel / 5MHz / QPSK



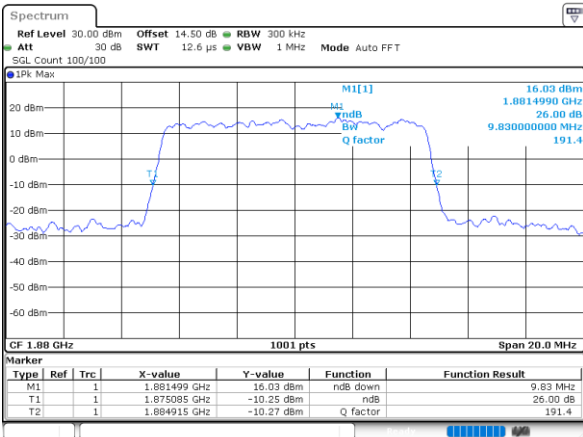
Date: 4.MAR.2025 13:00:27

Middle Channel / 5MHz / 16QAM



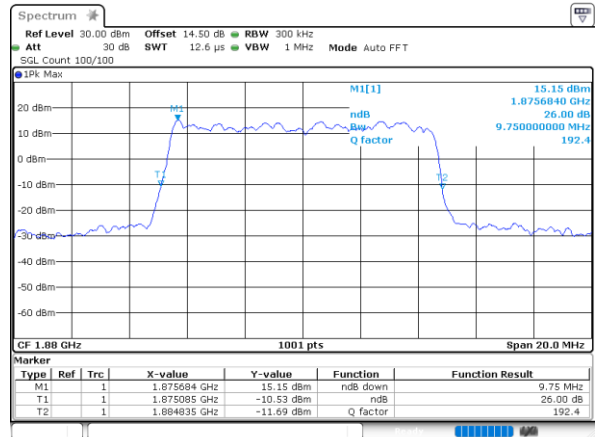
Date: 4.MAR.2025 13:01:08

Middle Channel / 10MHz / QPSK



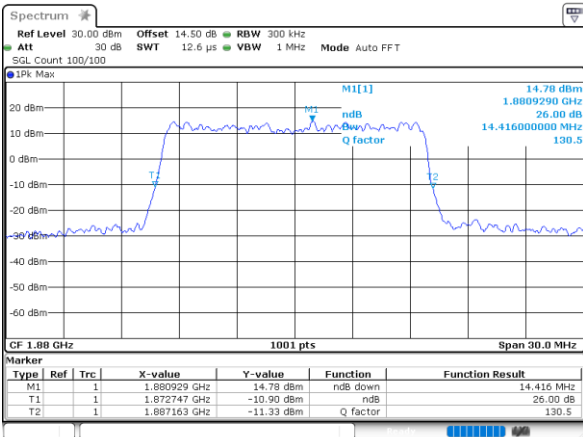
Date: 4.MAR.2025 13:15:22

Middle Channel / 10MHz / 16QAM



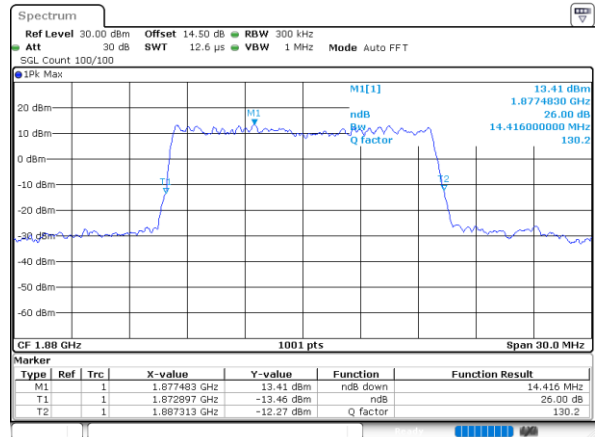
Date: 4.MAR.2025 13:16:02

Middle Channel / 15MHz / QPSK

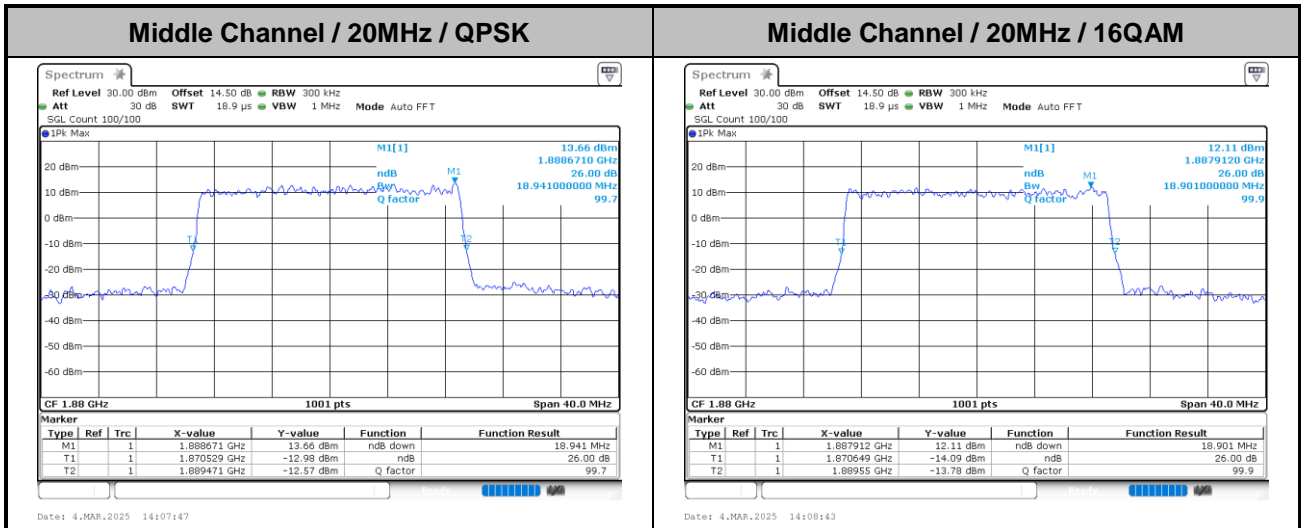


Date: 4.MAR.2025 13:37:33

Middle Channel / 15MHz / 16QAM



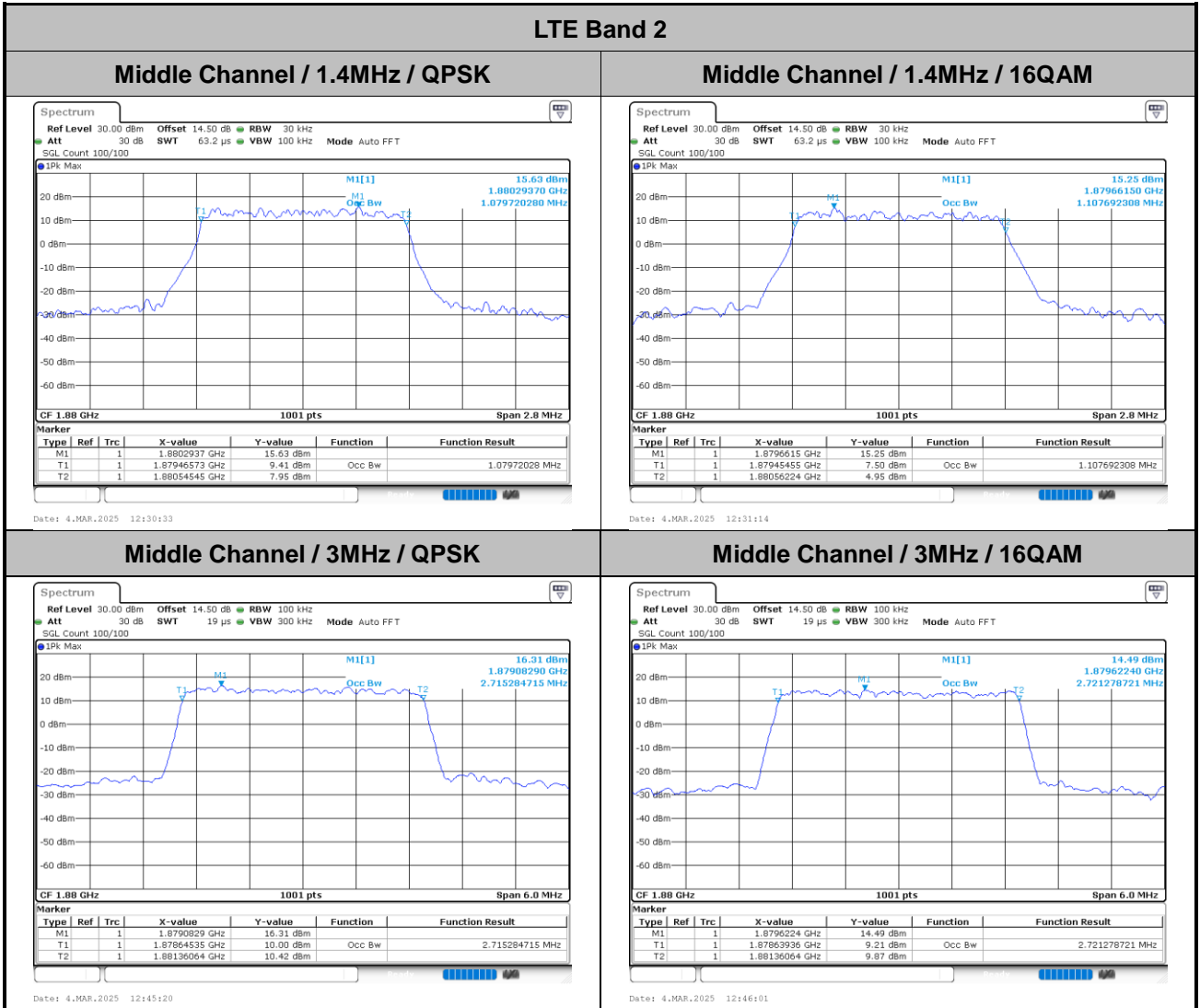
Date: 4.MAR.2025 13:38:13





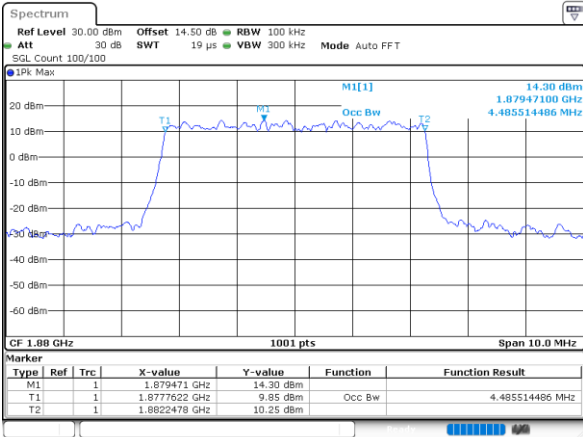
Occupied Bandwidth

Mode	LTE Band 2 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.08	1.11	2.72	2.72	4.49	4.49	9.05	9.01	13.37	13.46	17.90	17.82



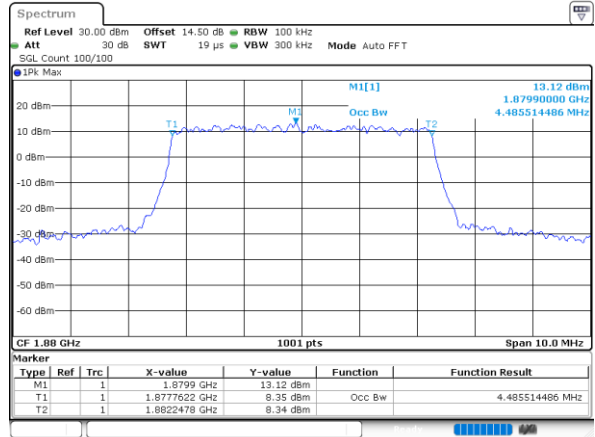


Middle Channel / 5MHz / QPSK



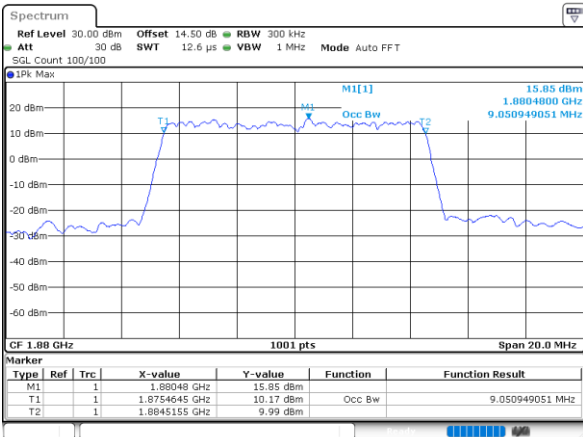
Date: 4.MAR.2025 13:00:13

Middle Channel / 5MHz / 16QAM



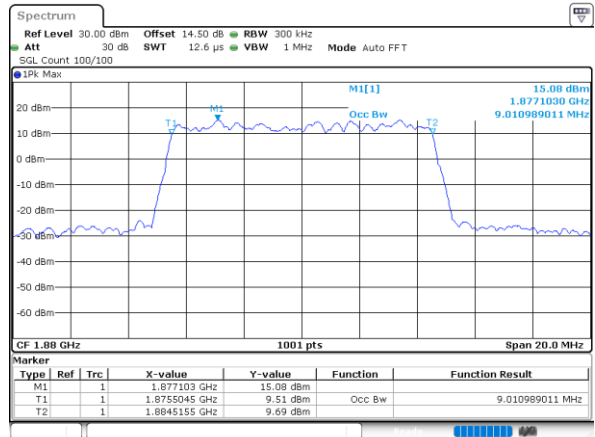
Date: 4.MAR.2025 13:00:53

Middle Channel / 10MHz / QPSK



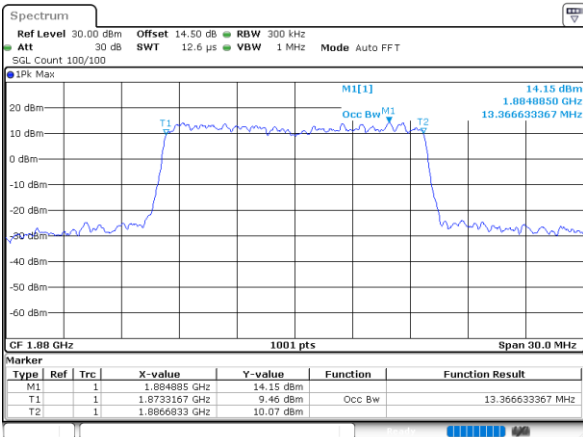
Date: 4.MAR.2025 13:15:08

Middle Channel / 10MHz / 16QAM



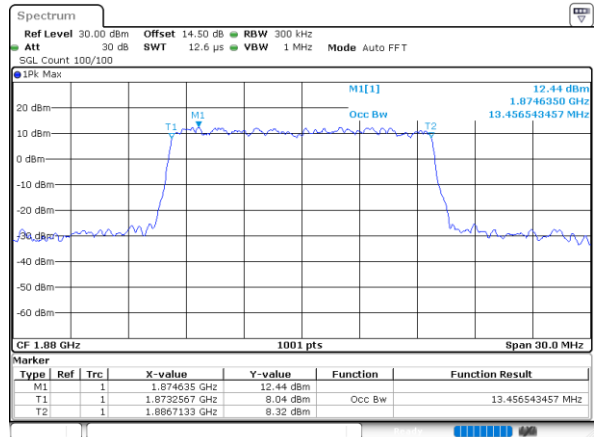
Date: 4.MAR.2025 13:15:48

Middle Channel / 15MHz / QPSK

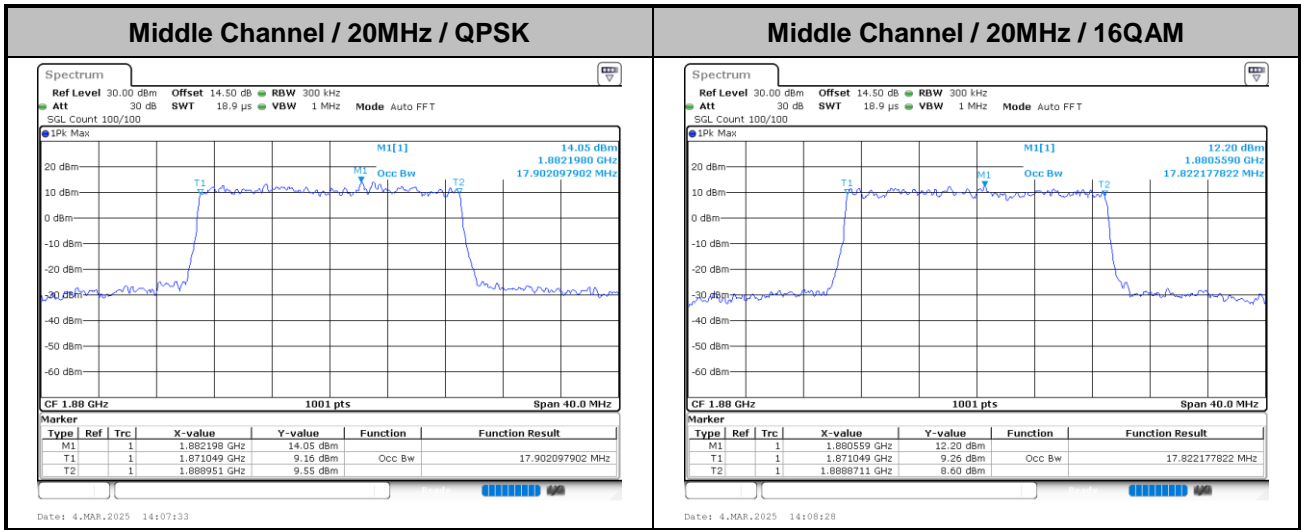


Date: 4.MAR.2025 14:14:58

Middle Channel / 15MHz / 16QAM



Date: 4.MAR.2025 13:37:59

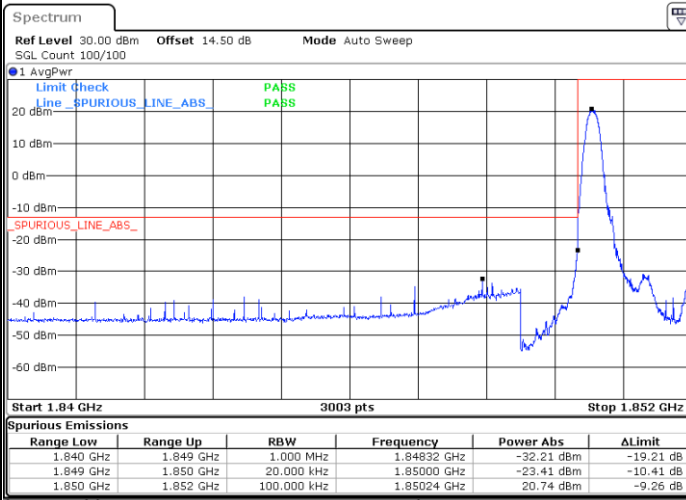




Conducted Band Edge

LTE Band 2 / 1.4MHz / QPSK

Lowest Band Edge / 1RB



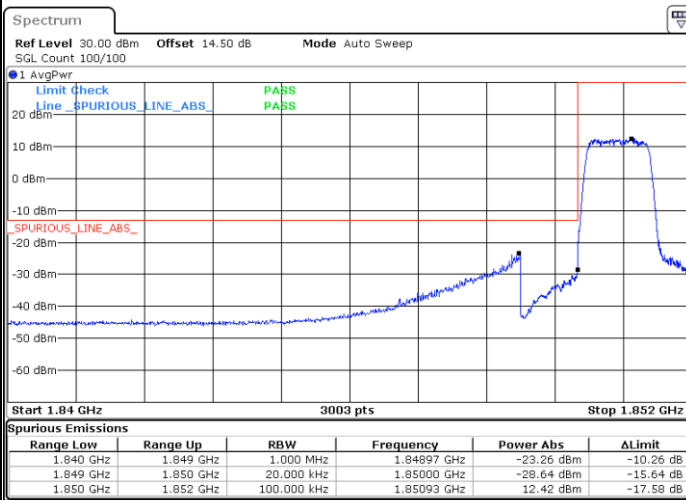
Date: 4.MAR.2025 12:23:51

Highest Band Edge / 1RB



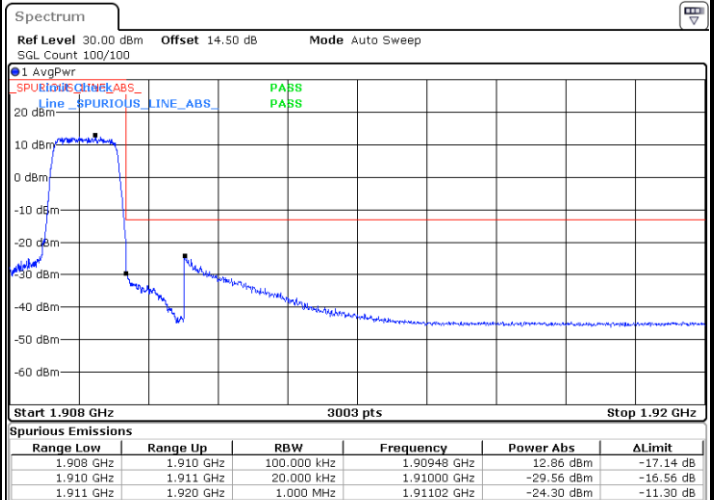
Date: 4.MAR.2025 12:32:14

Lowest Band Edge / Full RB



Date: 4.MAR.2025 12:27:29

Highest Band Edge / Full RB

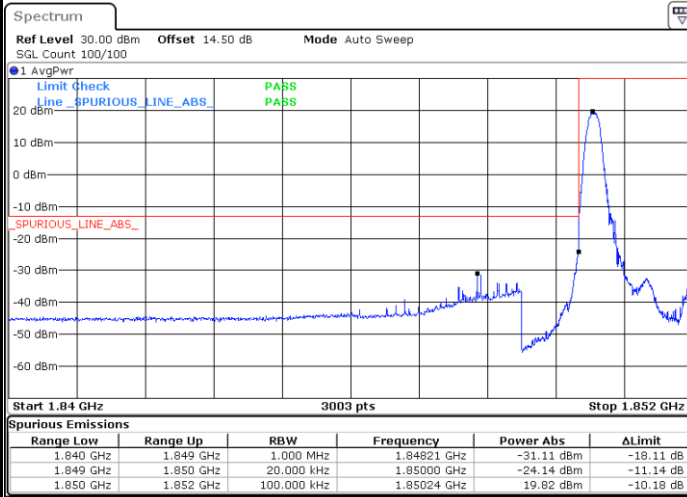


Date: 4.MAR.2025 12:35:43



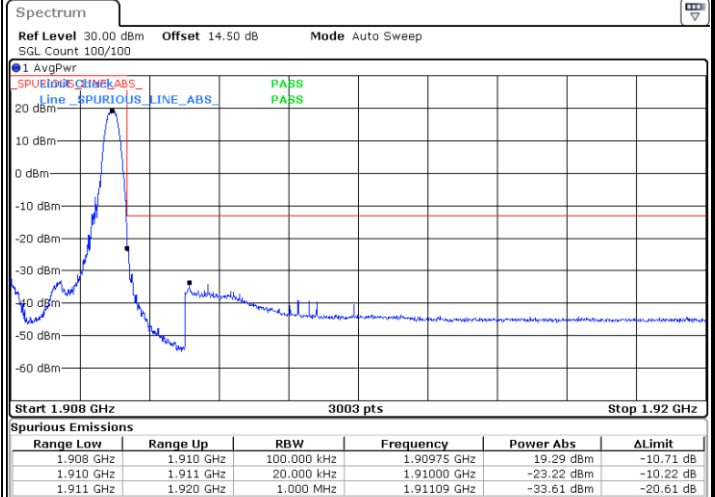
LTE Band 2 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



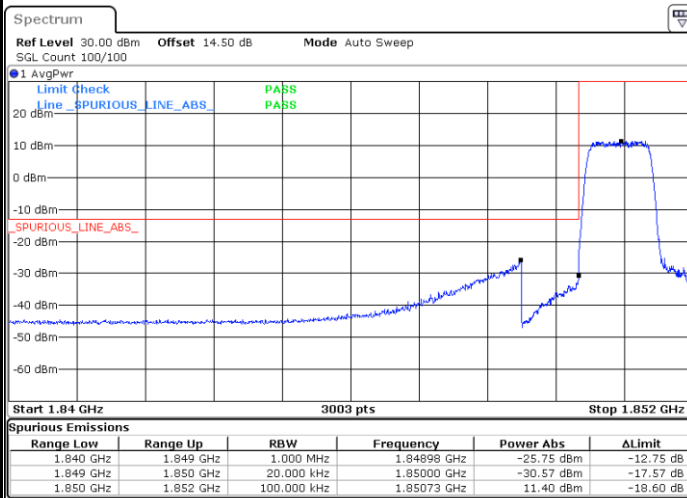
Date: 4.MAR.2025 12:24:43

Highest Band Edge / 1 RB



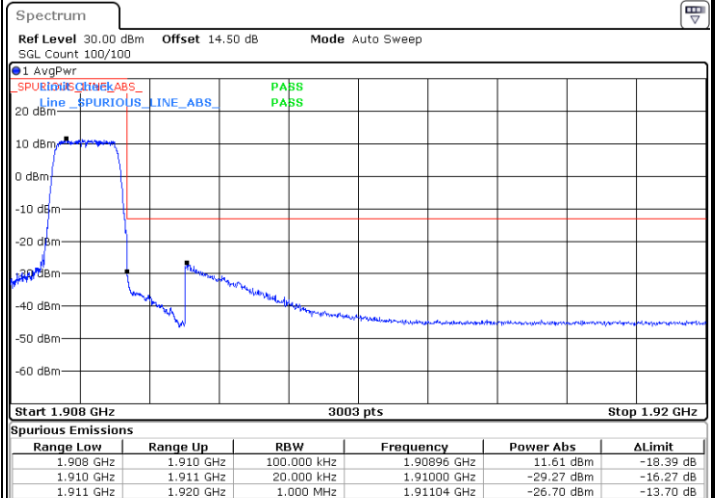
Date: 4.MAR.2025 12:33:00

Lowest Band Edge / Full RB



Date: 4.MAR.2025 12:28:14

Highest Band Edge / Full RB

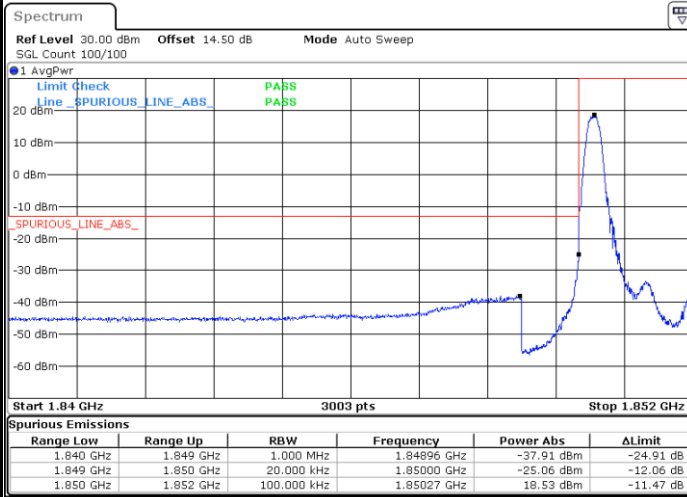


Date: 4.MAR.2025 12:36:29



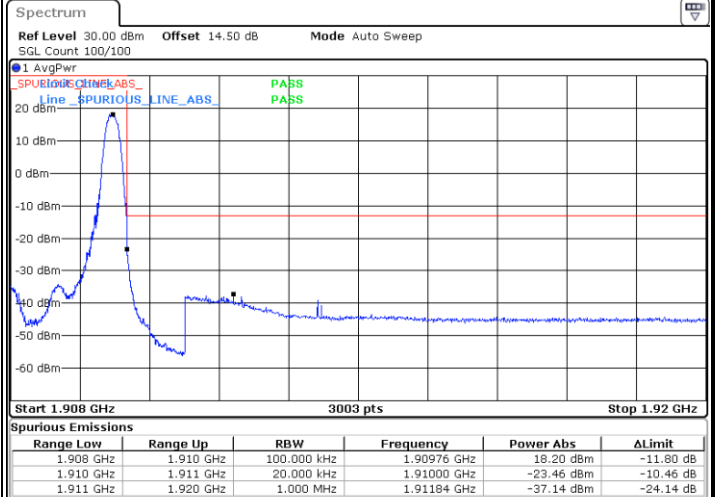
LTE Band 2 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



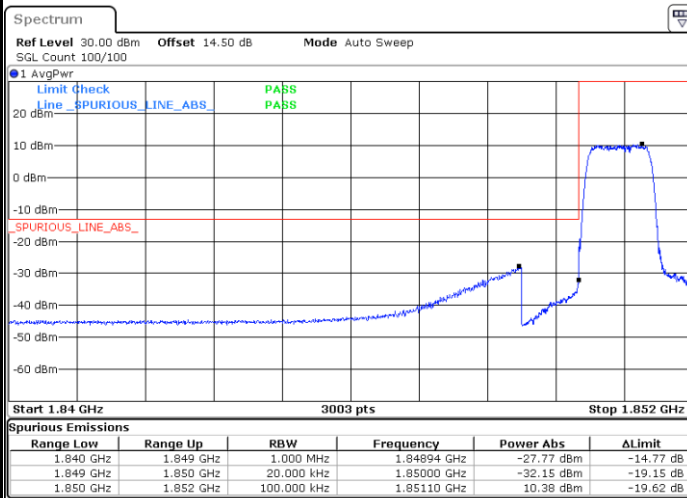
Date: 4.MAR.2025 12:25:34

Highest Band Edge / 1 RB



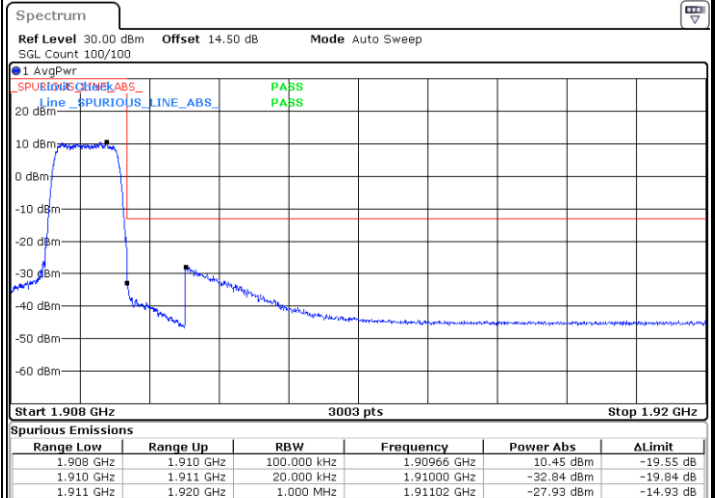
Date: 4.MAR.2025 12:33:47

Lowest Band Edge / Full RB



Date: 4.MAR.2025 12:28:58

Highest Band Edge / Full RB

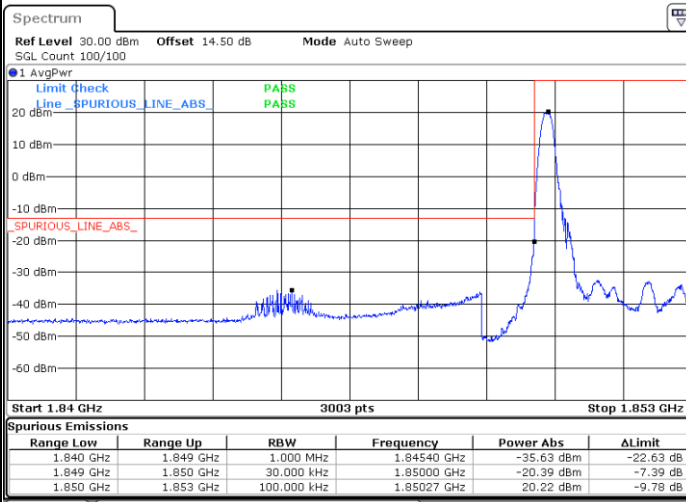


Date: 4.MAR.2025 12:37:16



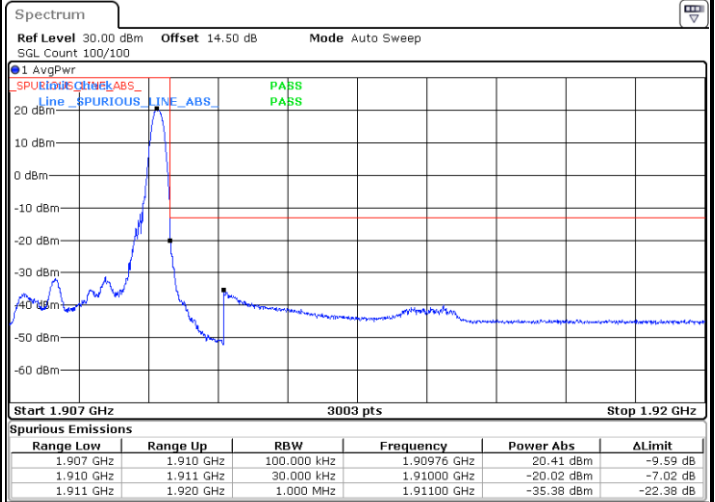
LTE Band 2 / 3MHz / QPSK

Lowest Band Edge / 1RB



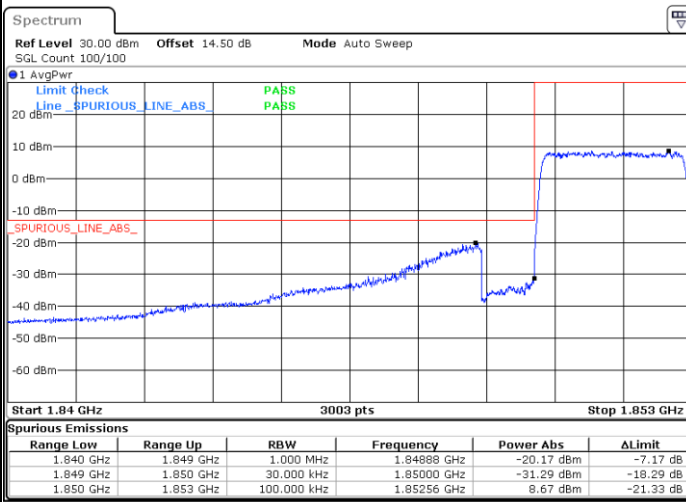
Date: 4.MAR.2025 12:38:45

Highest Band Edge / 1RB



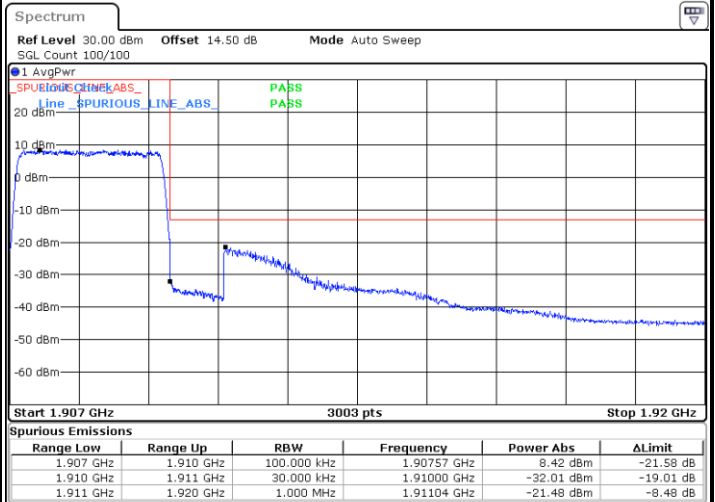
Date: 4.MAR.2025 14:50:27

Lowest Band Edge / Full RB



Date: 4.MAR.2025 12:42:14

Highest Band Edge / Full RB

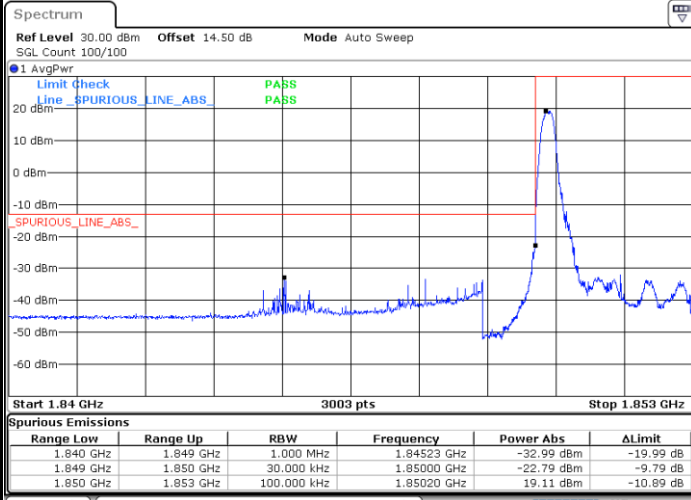


Date: 4.MAR.2025 12:49:21



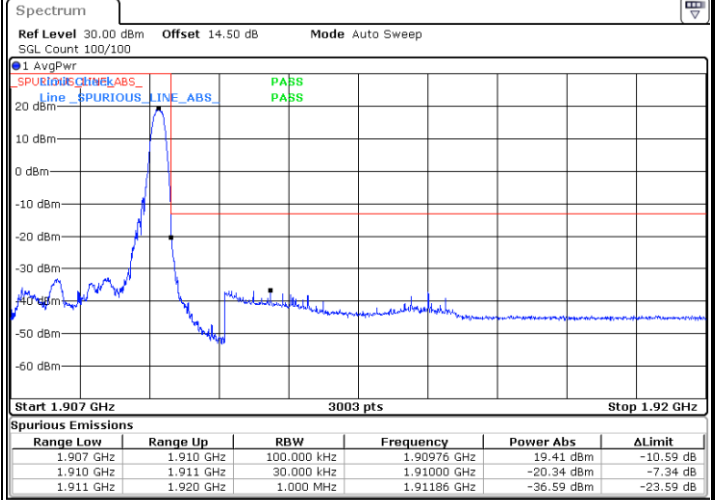
LTE Band 2 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



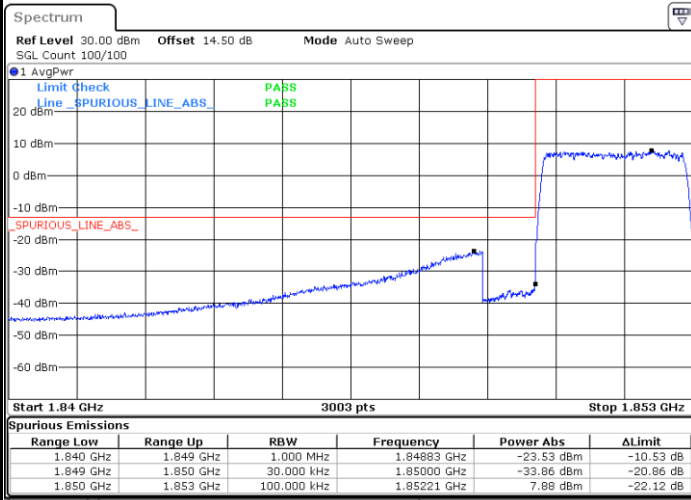
Date: 4.MAR.2025 12:39:32

Highest Band Edge / 1 RB



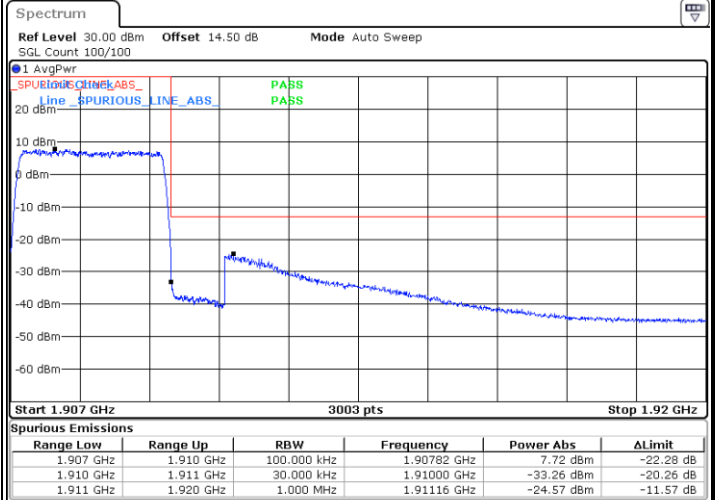
Date: 4.MAR.2025 12:47:47

Lowest Band Edge / Full RB



Date: 4.MAR.2025 12:43:01

Highest Band Edge / Full RB

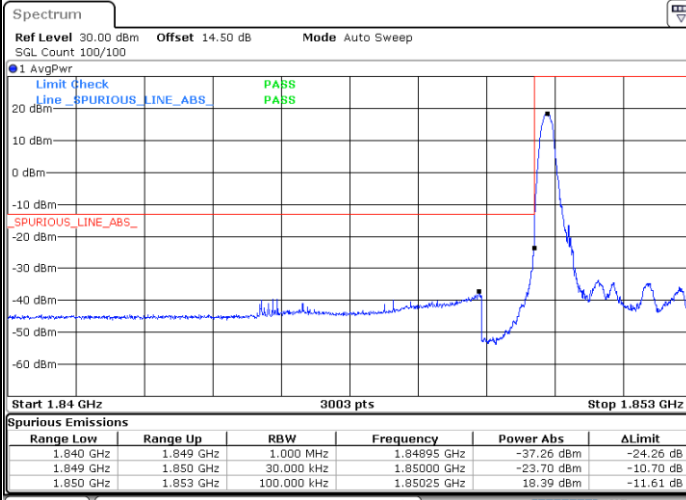


Date: 4.MAR.2025 12:50:07

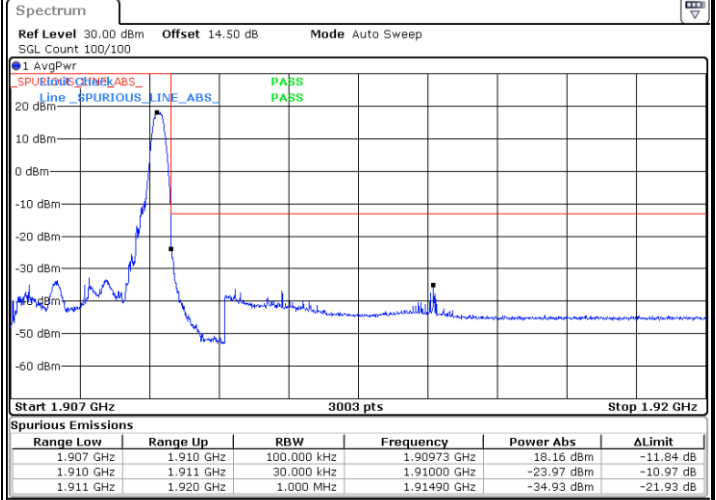


LTE Band 2 / 3MHz / 64QAM

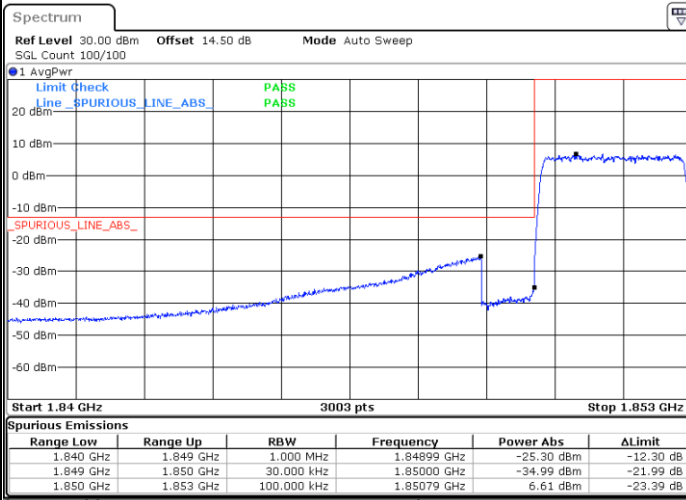
Lowest Band Edge / 1 RB



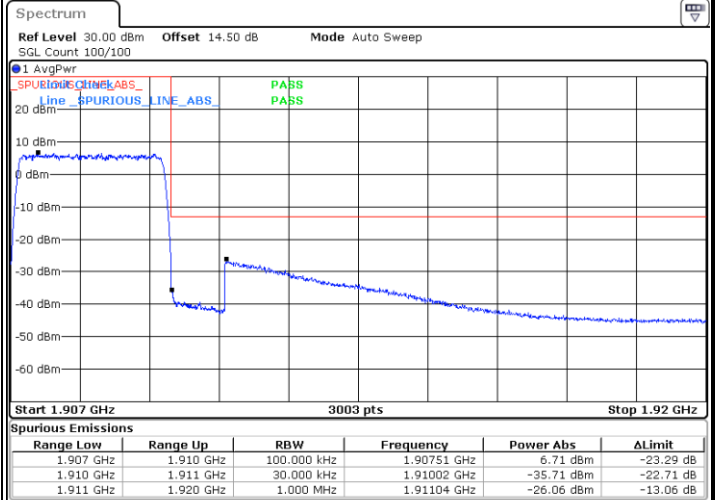
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



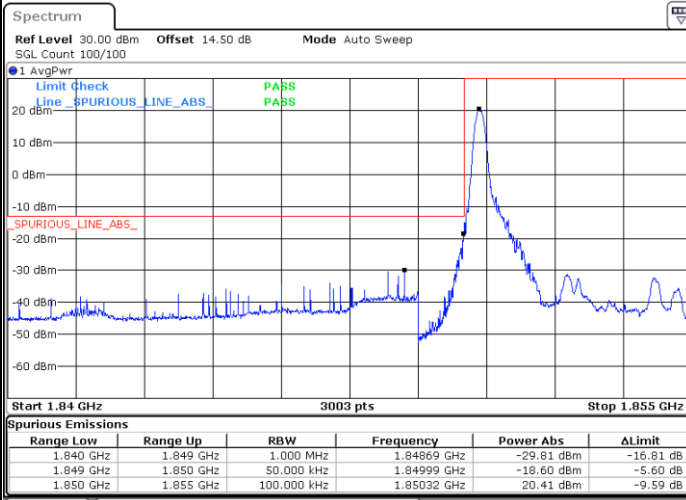
Highest Band Edge / Full RB





LTE Band 2 / 5MHz / QPSK

Lowest Band Edge / 1RB



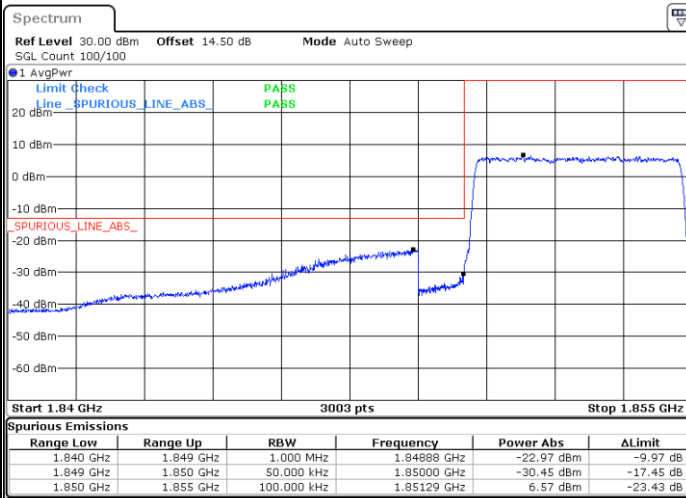
Date: 4.MAR.2025 12:53:36

Highest Band Edge / 1RB



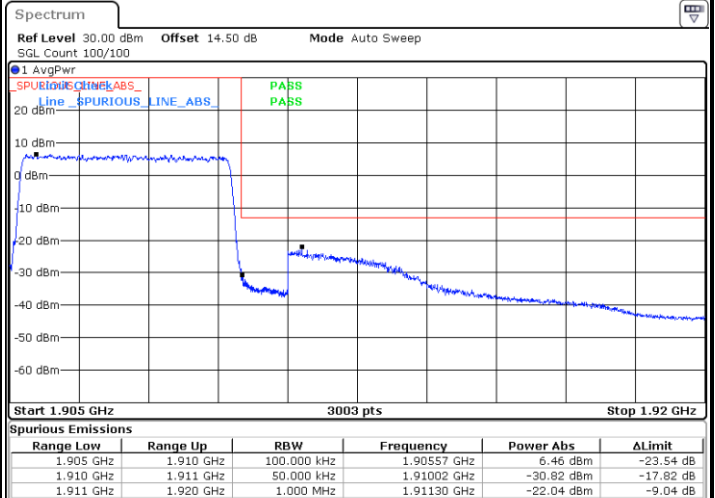
Date: 4.MAR.2025 13:01:53

Lowest Band Edge / Full RB



Date: 4.MAR.2025 12:57:03

Highest Band Edge / Full RB

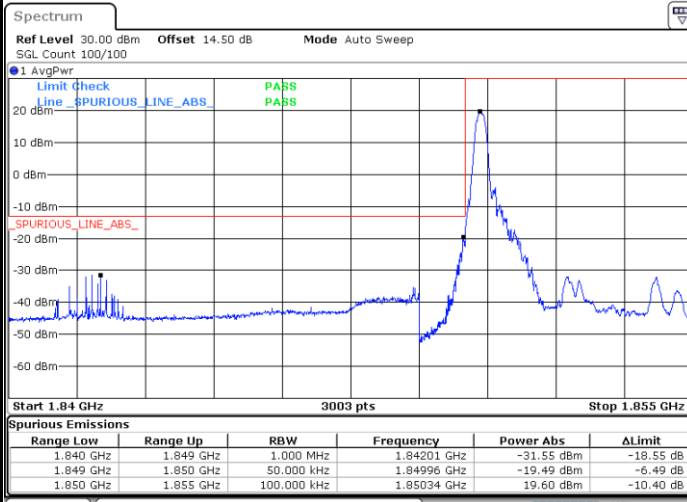


Date: 4.MAR.2025 13:04:13



LTE Band 2 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



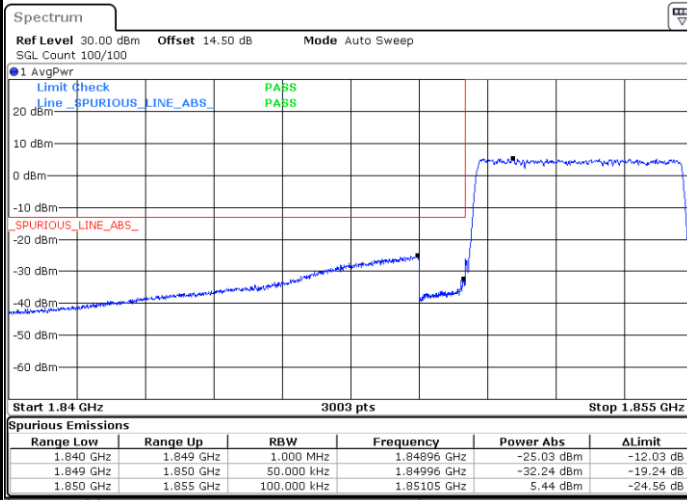
Date: 4.MAR.2025 12:54:21

Highest Band Edge / 1 RB



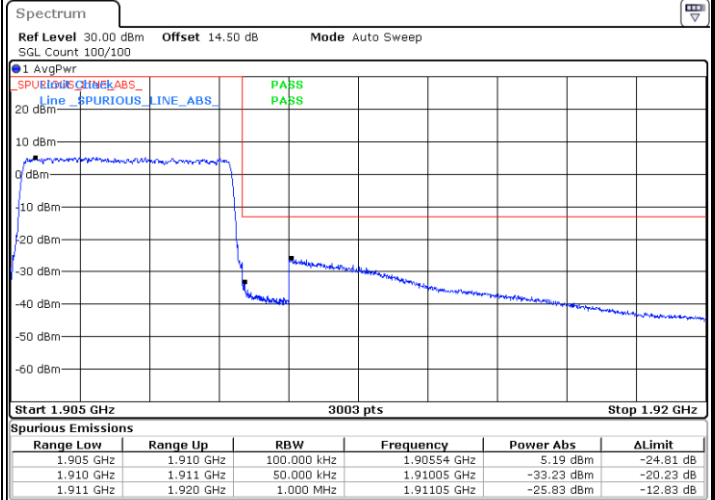
Date: 4.MAR.2025 13:02:39

Lowest Band Edge / Full RB



Date: 4.MAR.2025 12:57:49

Highest Band Edge / Full RB

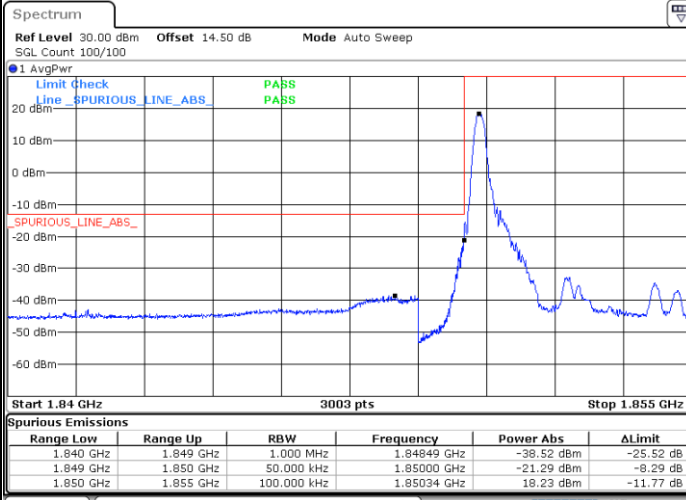


Date: 4.MAR.2025 13:05:01



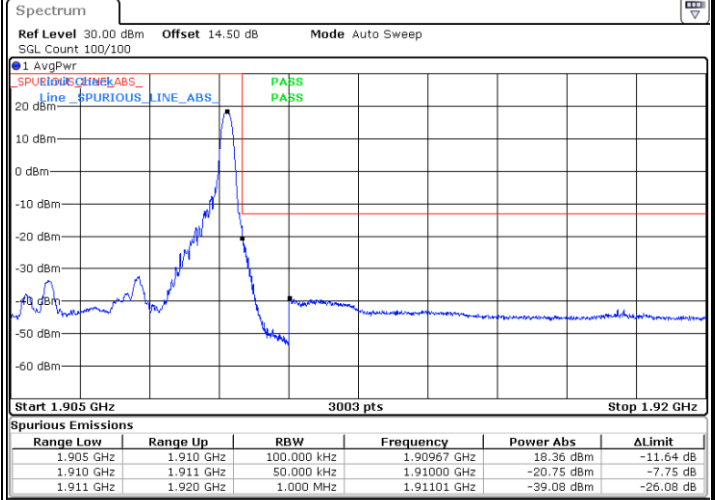
LTE Band 2 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



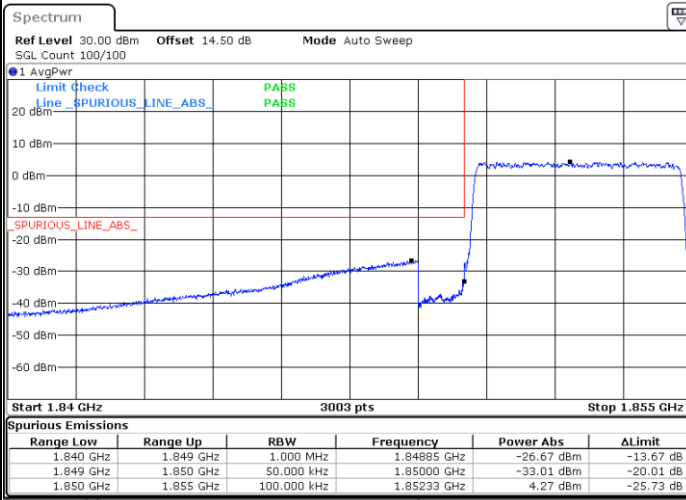
Date: 4.MAR.2025 12:55:08

Highest Band Edge / 1 RB



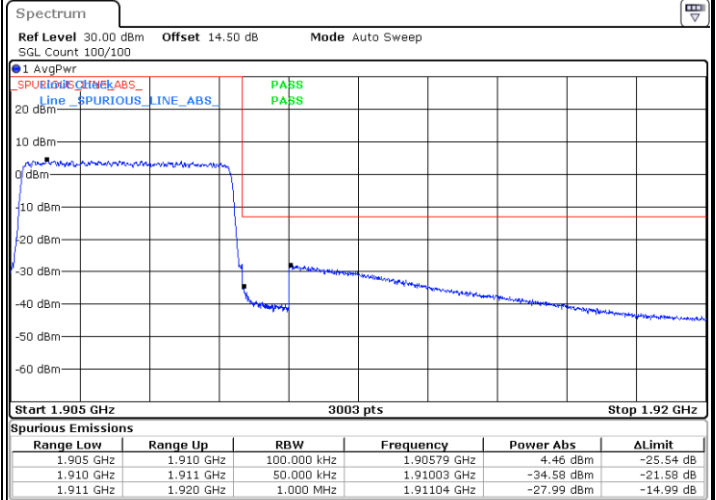
Date: 4.MAR.2025 13:03:26

Lowest Band Edge / Full RB



Date: 4.MAR.2025 12:58:36

Highest Band Edge / Full RB

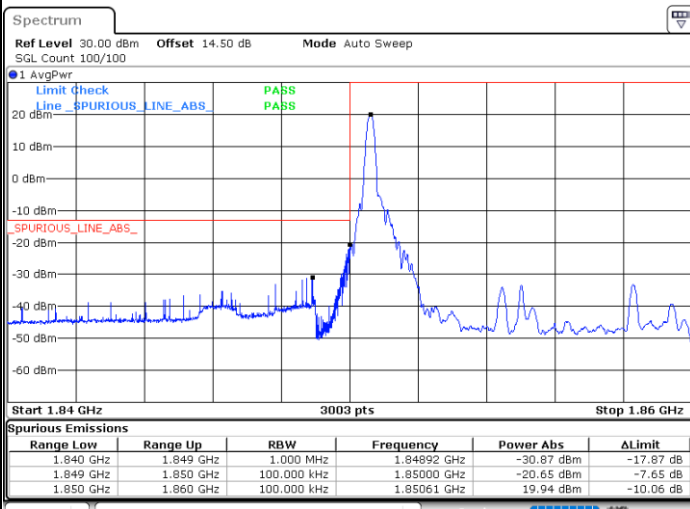


Date: 4.MAR.2025 13:05:48



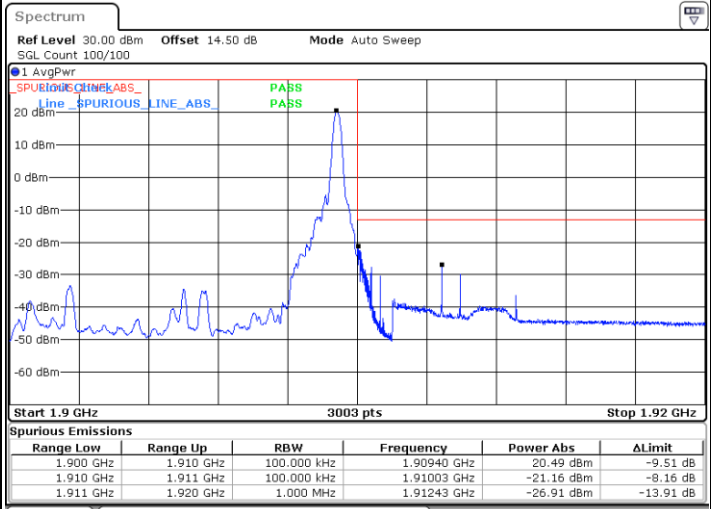
LTE Band 2 / 10MHz / QPSK

Lowest Band Edge / 1RB



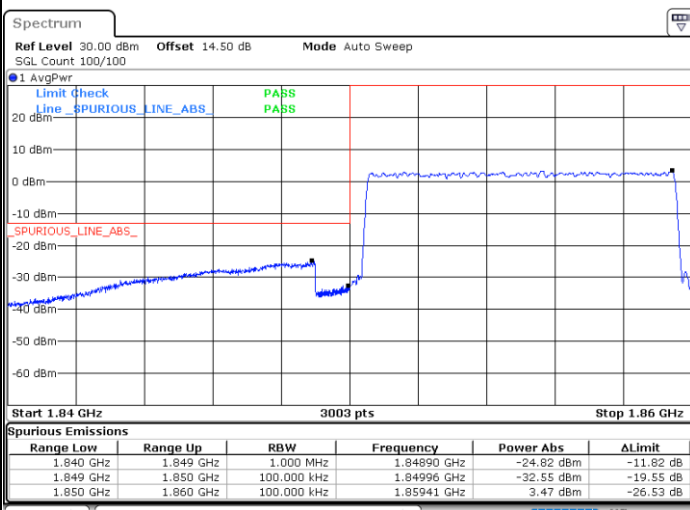
Date: 4.MAR.2025 13:08:33

Highest Band Edge / 1RB



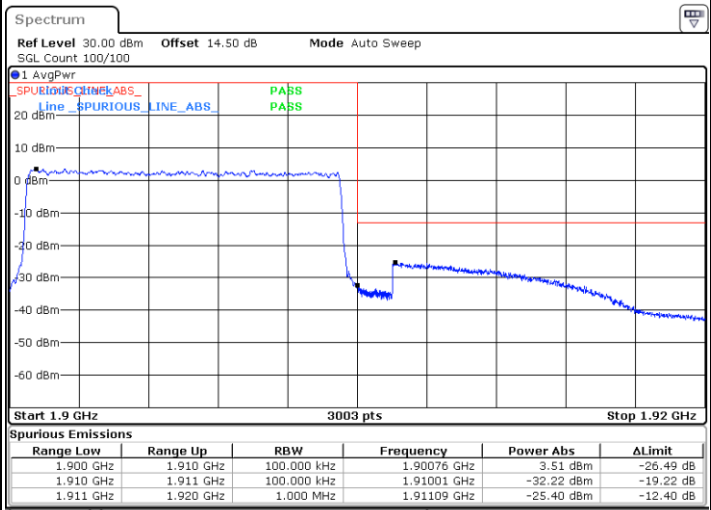
Date: 4.MAR.2025 13:16:49

Lowest Band Edge / Full RB



Date: 4.MAR.2025 13:10:52

Highest Band Edge / Full RB

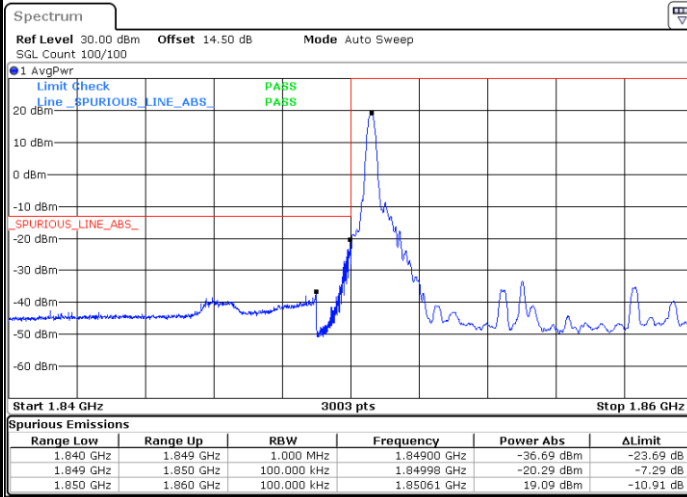


Date: 4.MAR.2025 13:19:09



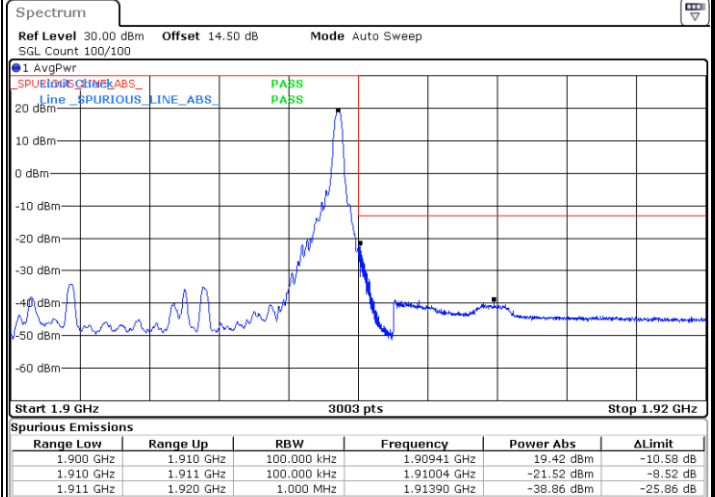
LTE Band 2 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



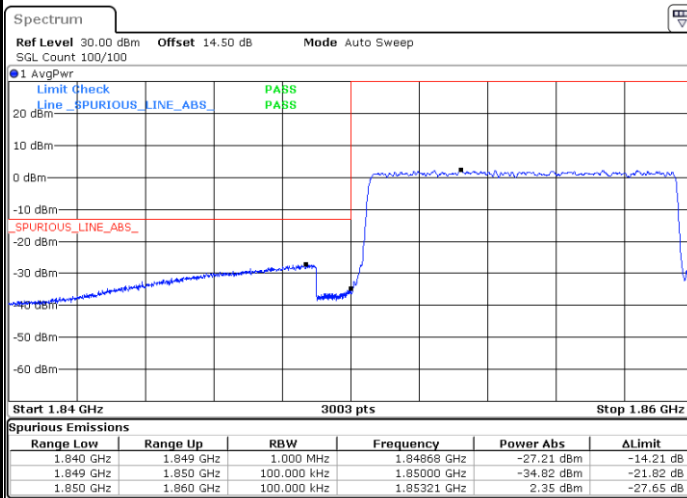
Date: 4.MAR.2025 13:09:18

Highest Band Edge / 1 RB



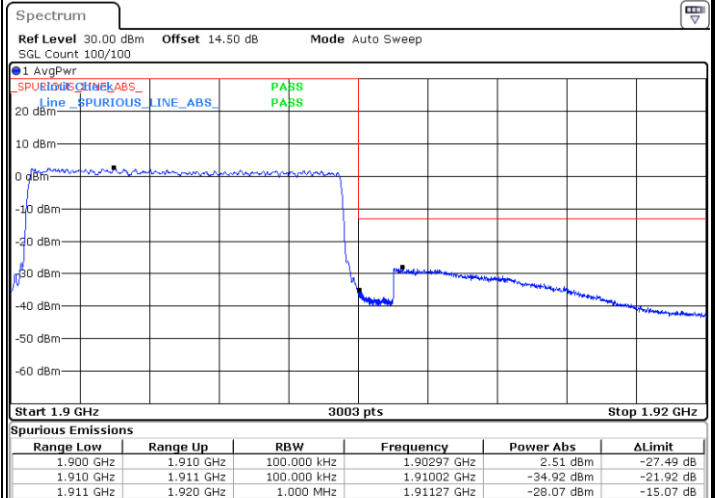
Date: 4.MAR.2025 13:17:34

Lowest Band Edge / Full RB



Date: 4.MAR.2025 13:11:39

Highest Band Edge / Full RB

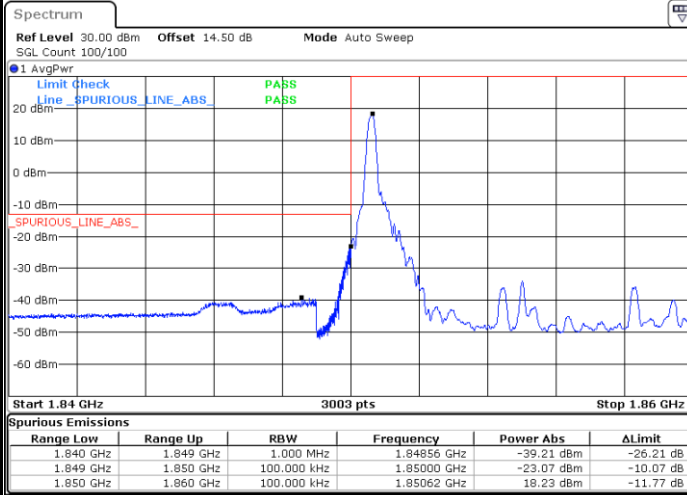


Date: 4.MAR.2025 13:19:56



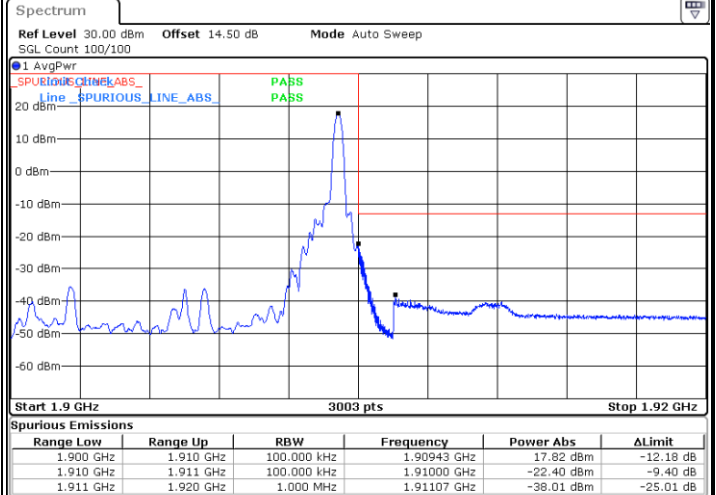
LTE Band 2 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



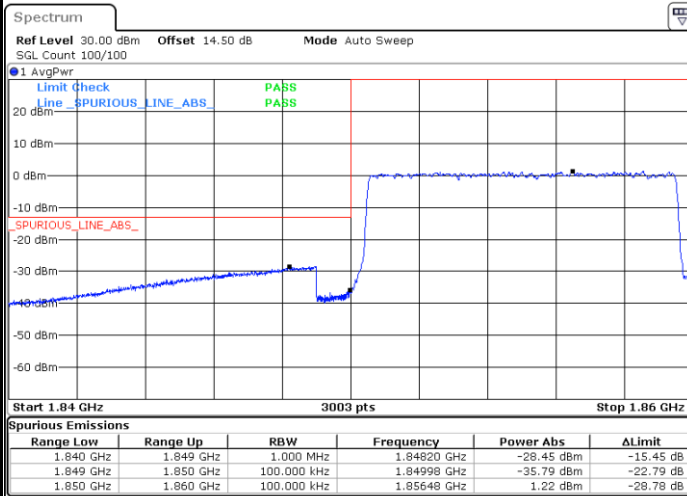
Date: 4.MAR.2025 13:10:05

Highest Band Edge / 1 RB



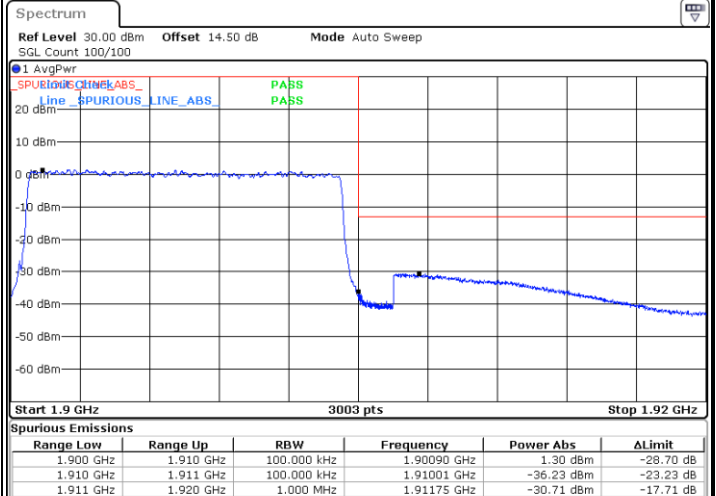
Date: 4.MAR.2025 13:18:21

Lowest Band Edge / Full RB



Date: 4.MAR.2025 13:12:24

Highest Band Edge / Full RB

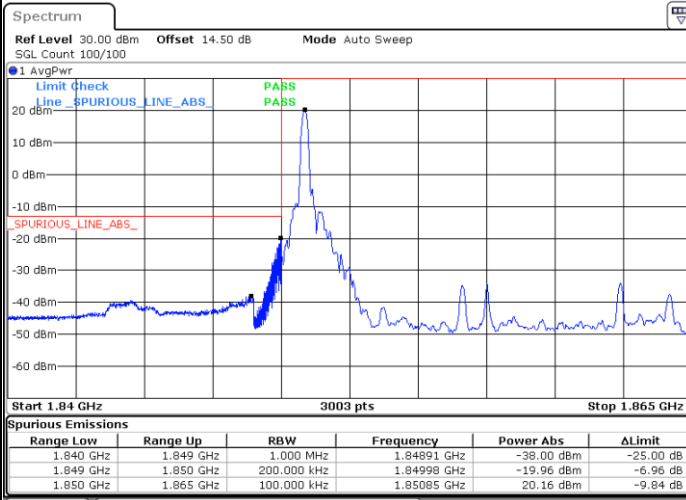


Date: 4.MAR.2025 13:20:43



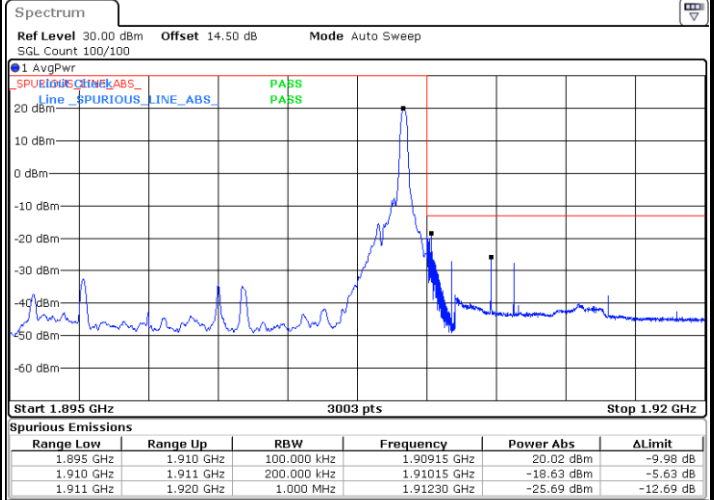
LTE Band 2 / 15MHz / QPSK

Lowest Band Edge / 1RB



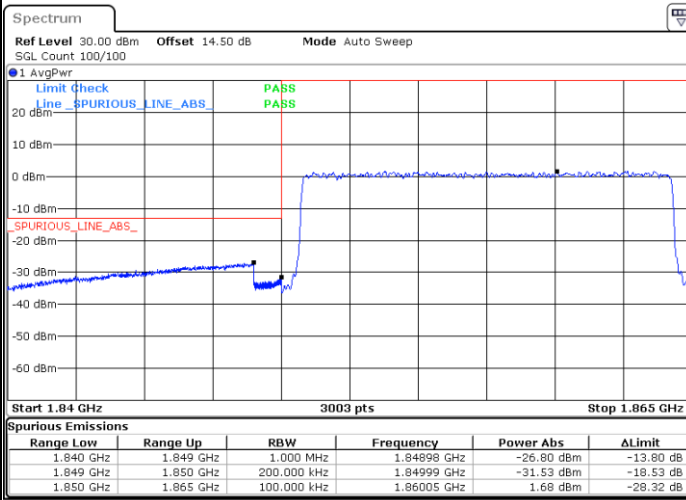
Date: 4.MAR.2025 13:23:23

Highest Band Edge / 1RB



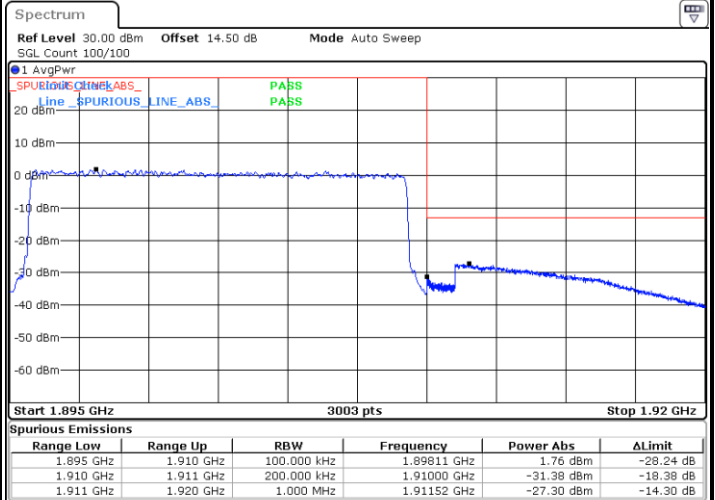
Date: 4.MAR.2025 13:38:58

Lowest Band Edge / Full RB



Date: 4.MAR.2025 13:25:42

Highest Band Edge / Full RB

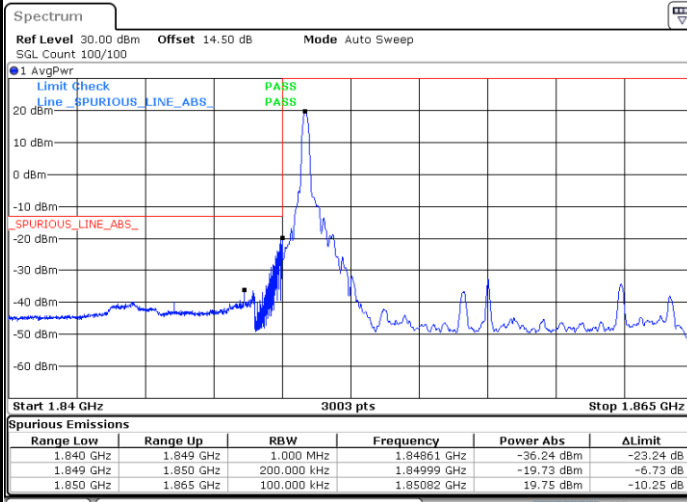


Date: 4.MAR.2025 13:41:16



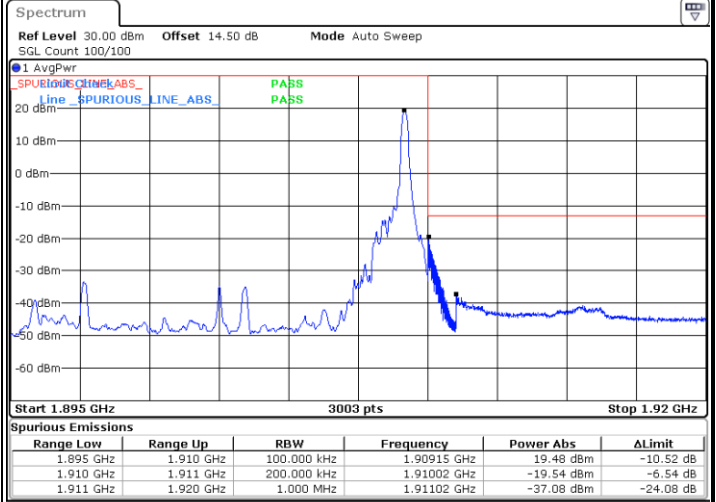
LTE Band 2 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



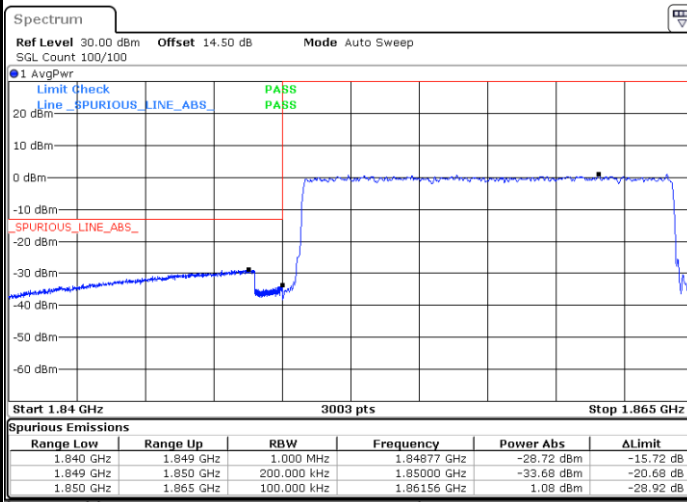
Date: 4.MAR.2025 13:24:09

Highest Band Edge / 1 RB



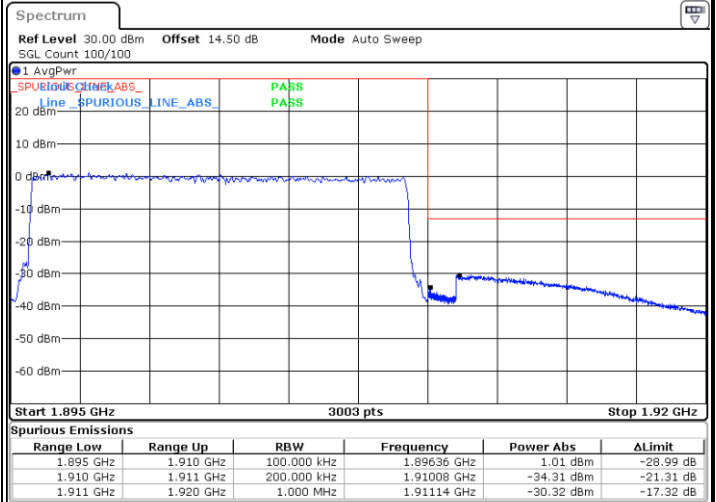
Date: 4.MAR.2025 13:39:45

Lowest Band Edge / Full RB



Date: 4.MAR.2025 13:26:28

Highest Band Edge / Full RB

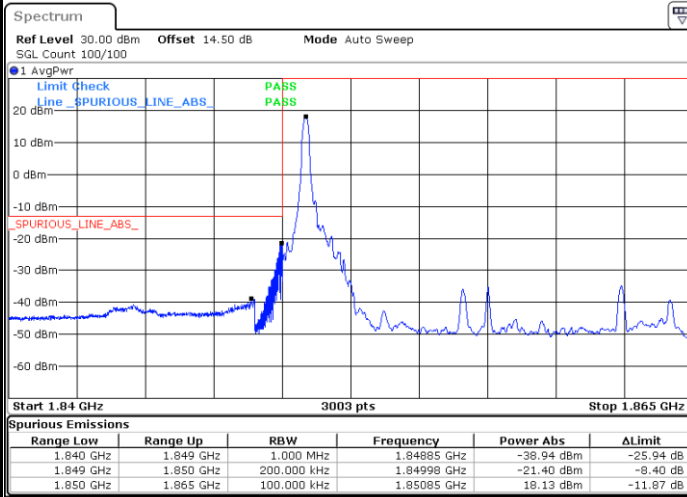


Date: 4.MAR.2025 13:42:03



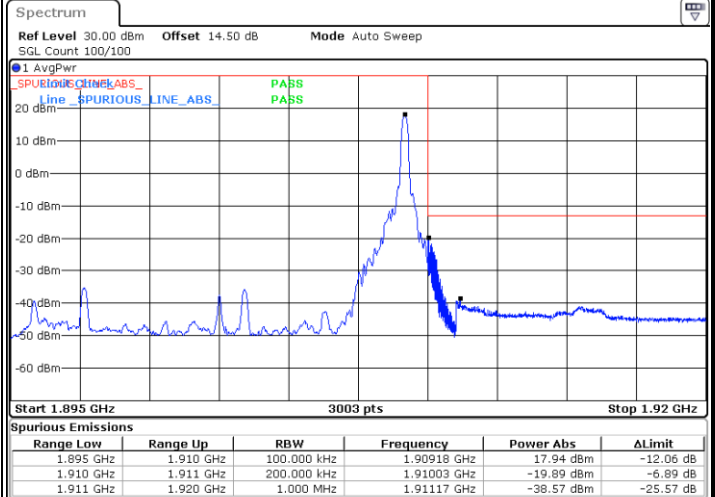
LTE Band 2 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



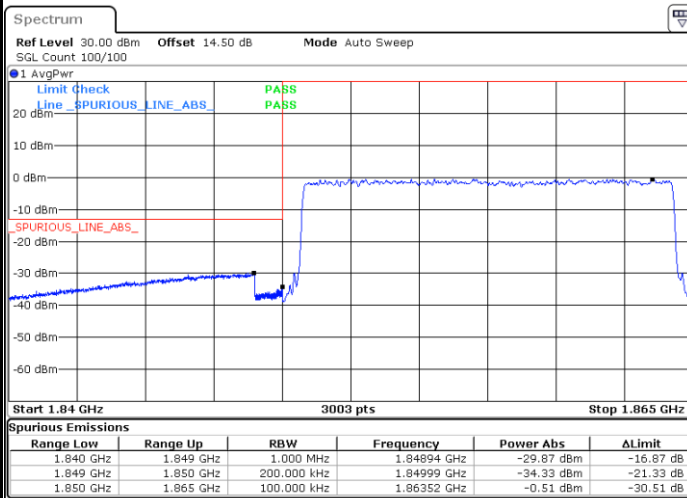
Date: 4.MAR.2025 13:24:54

Highest Band Edge / 1 RB



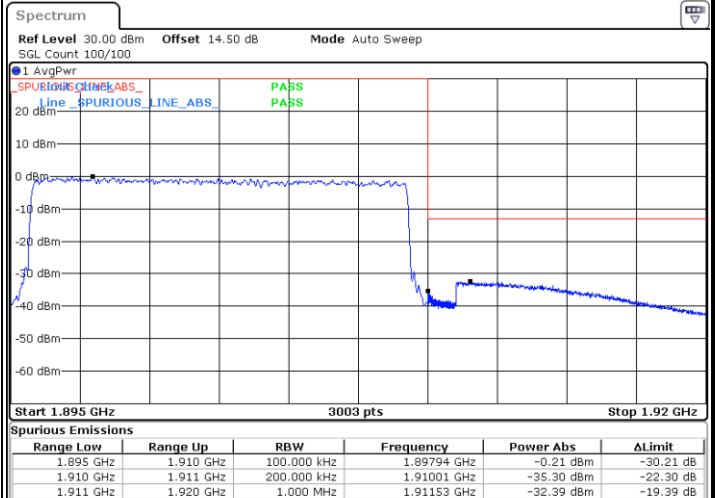
Date: 4.MAR.2025 13:40:30

Lowest Band Edge / Full RB



Date: 4.MAR.2025 13:27:15

Highest Band Edge / Full RB



Date: 4.MAR.2025 13:42:49