



FCC RF Test Report

APPLICANT : Lenovo(Shanghai) Electronics Technology Co., Ltd.
EQUIPMENT : Portable Tablet Computer
BRAND NAME : Lenovo
MODEL NAME : TB361ZU
FCC ID : O57TB361ZU
STANDARD : 47 CFR Part 22(H)
CLASSIFICATION : PCS Licensed Transmitter (PCB)
TEST DATE(S) : Jun. 24, 2025 ~ Jul. 12, 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



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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG560902B	Rev. 01	Initial issue of report	Jul. 29, 2025



SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	-	Report Only	-
	§22.913(a)(5)	Effective Radiated Power (Band 5) (Band 26)	ERP < 7 Watt	PASS	-
3.5	§24.232(d)	Peak-to-Average Ratio	<13 dB	PASS	-
3.6	§2.1049	Occupied Bandwidth	-	Report Only	-
3.7	§2.1051 §22.917(a)	Conducted Band Edge Measurement (Band 5) (Band 26)	< 43+10log ₁₀ (P[Watts])	PASS	-
3.8	§2.1051 §22.917(a)	Conducted Spurious Emission (Band 5) (Band 26)	< 43+10log ₁₀ (P[Watts])	PASS	-
3.9	§2.1055 §22.355	Frequency Stability Temperature & Voltage	< 2.5 ppm for Part 22	PASS	-
4.4	§2.1053 §22.917(a)	Radiated Spurious Emission (Band 5) (Band 26)	< 43+10log ₁₀ (P[Watts])	PASS	Under limit 48.92 dB at 3319.00 MHz

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

Lenovo(Shanghai) Electronics Technology Co., Ltd.

Section 304-305, Building No. 4, # 222, Meiyue Road, China (Shanghai) Pilot Free Trade Zone

1.2 Manufacturer

Lenovo PC HK Limited

23/F, Lincoln House, Taikoo Place 979 King's Road, Quarry Bay, Hong Kong, China

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Portable Tablet Computer
Brand Name	Lenovo
Model Name	TB361ZU
FCC ID	O57TB361ZU
IMEI Code	Conducted: 867009070008845 Radiation: 867009070017424
HW Version	TB361ZU
SW Version	Lenovo ZUI 17.0
EUT Stage	Identical Prototype

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	LTE Band 5 : 824 MHz ~ 849 MHz LTE Band 26 : 824 MHz ~ 849 MHz
Rx Frequency	LTE Band 5 : 869 MHz ~ 894 MHz LTE Band 26 : 869 MHz ~ 894 MHz
Bandwidth	LTE Band 5 : 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 26 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz
Maximum Output Power to Antenna	<ANT0>: LTE Band 5 : 22.80 dBm LTE Band 26 : 22.84 dBm
Antenna Gain	LTE Band 5 : -3.32 dBi LTE Band 26 : -3.32 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 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	0.0535	1M09G7D	0.0426	1M10W7D
3	825.5 ~ 847.5	0.0535	2M72G7D	0.0418	2M72W7D
5	826.5 ~ 846.5	0.0535	4M48G7D	0.0419	4M49W7D
10	829.0 ~ 844.0	0.0541	9M03G7D	0.0427	9M03W7D
LTE Band 26		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	0.0532	1M09G7D	0.0447	1M10W7D
3	825.5 ~ 847.5	0.0535	2M72G7D	0.0454	2M72W7D
5	826.5 ~ 846.5	0.0542	4M48G7D	0.0449	4M49W7D
10	829.0 ~ 844.0	0.0541	9M03G7D	0.0444	9M03W7D
15	831.5 ~ 841.5	0.0546	13M4G7D	0.0459	13M5W7D
CH26790	824.0	0.0530	13M5G7D	0.0442	13M5W7D

Note:

- LTE Band 26 overlaps the entire frequency range of LTE Band 5. Therefore, the test results provided in this report covers Band 5 and the portion of Band 26 subject to Part 22.
- All modulations have been tested, and only the worst test results of PSK & QAM are shown in the report.

1.7 Testing Location

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

Test Firm	Sporton International Inc. (ShenZhen)		
Test Site Location	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City, Guangdong Province 518103 People's Republic of China TEL: +86-755-86066985		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	TH01-SZ 03CH02-SZ	CN1256	421272



1.8 Test Software

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

1.9 Applicable Standards

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

- ♦ 47 CFR Part 22(H)
- ♦ 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

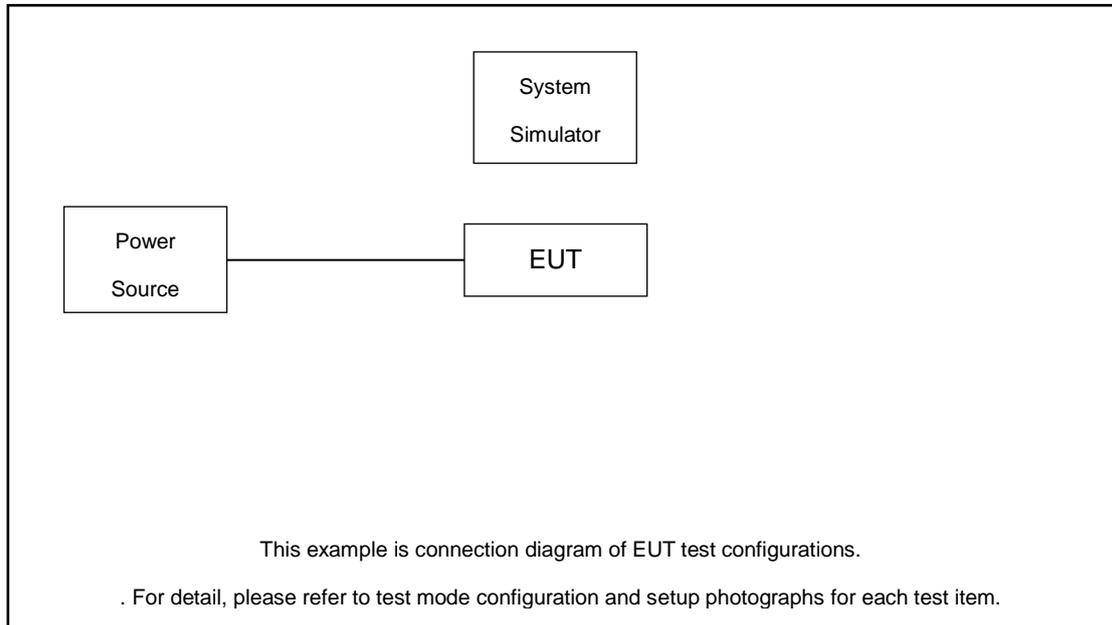
2.1 Test Mode

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	16 QAM	64 QAM	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	v	v
	26	v	v	v	v	v	-	v	v	v	v	v	v	v	v	v	v	v
Peak-to-Average Ratio	26					v	-	v	v	v				v			v	
26dB and 99% Bandwidth	26	v	v	v	v	v	-	v	v					v			v	
Conducted Band Edge	26	v	v	v	v	v	-	v	v	v			v		v	v		v
Conducted Spurious Emission	26	v	v	v	v	v	-	v								v	v	v
Frequency Stability	26				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	v	v
	26	v	v	v	v	v	-	v	v	v	v	v	v	v	v	v	v	v
Radiated Spurious Emission	26	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. 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.

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

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 26 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
15	Channel	26865	26915	26965
	Frequency	831.5	836.5	841.5
10	Channel	26840	26915	26990
	Frequency	829	836.5	844
5	Channel	26815	26915	27015
	Frequency	826.5	836.5	846.5
3	Channel	26805	26915	27025
	Frequency	825.5	836.5	847.5
1.4	Channel	26797	26915	27033
	Frequency	824.7	836.5	848.3

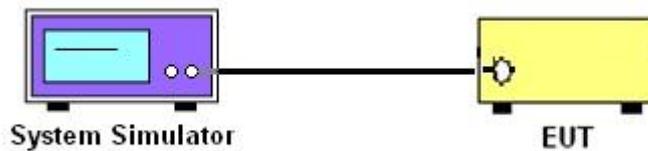
3 Conducted Test Items

3.1 Measuring Instruments

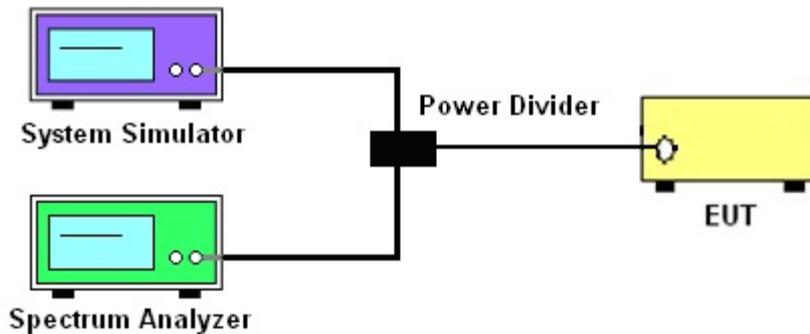
See list of measuring instruments of this test report.

3.2 Test Setup

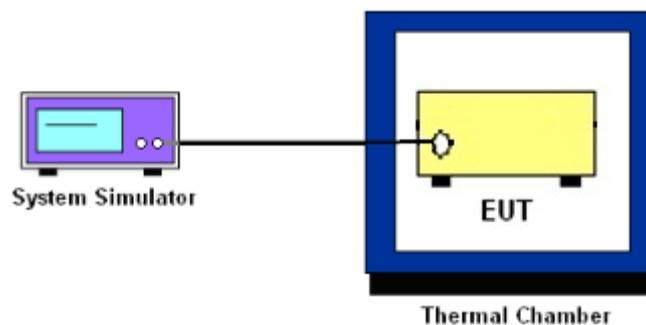
3.2.1 Conducted Output Power



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

3.4.1 Description of the Conducted Output Power Measurement and ERP 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 and Band 26.

According to KDB 412172 D01 Power Approach,

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

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

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

3.4.2 Test Procedures

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



3.5 Peak-to-Average Ratio

3.5.1 Description of the PAR Measurement

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

3.5.2 Test Procedures

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



3.6 Occupied Bandwidth

3.6.1 Description of Occupied Bandwidth Measurement

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

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

3.6.2 Test Procedures

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



3.7 Conducted Band Edge

3.7.1 Description of Conducted Band Edge Measurement

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(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.

3.7.2 Test Procedures

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

Example:

The limit line is derived from $43 + 10\log(P)$ 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.

8. 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.

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 + 10log(P)] (dB)
= [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB)
= -13dBm.



3.9 Frequency Stability

3.9.1 Description of Frequency Stability Measurement

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

3.9.2 Test Procedures for Temperature Variation

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

3.9.3 Test Procedures for Voltage Variation

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

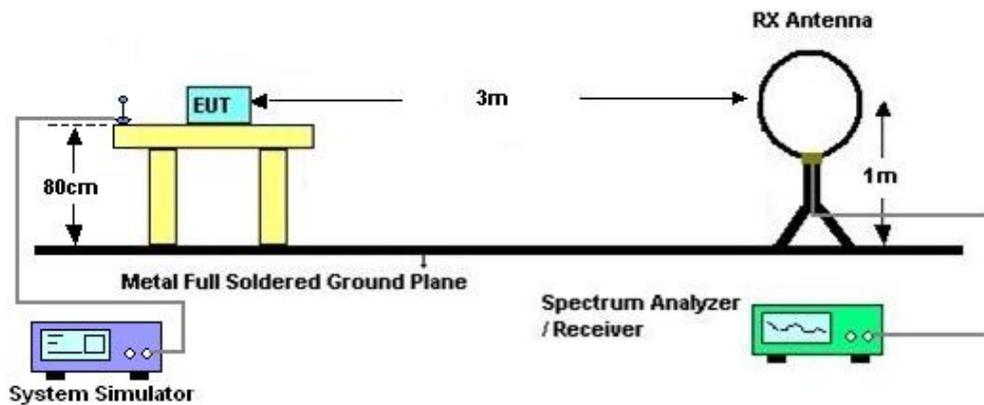
4 Radiated Test Items

4.1 Measuring Instruments

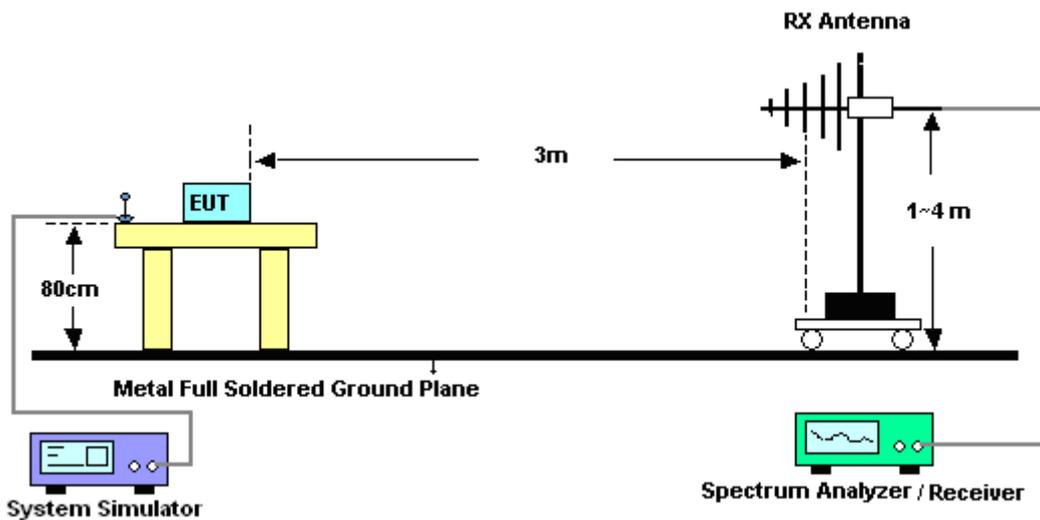
See list of measuring instruments of this test report.

4.2 Test Setup

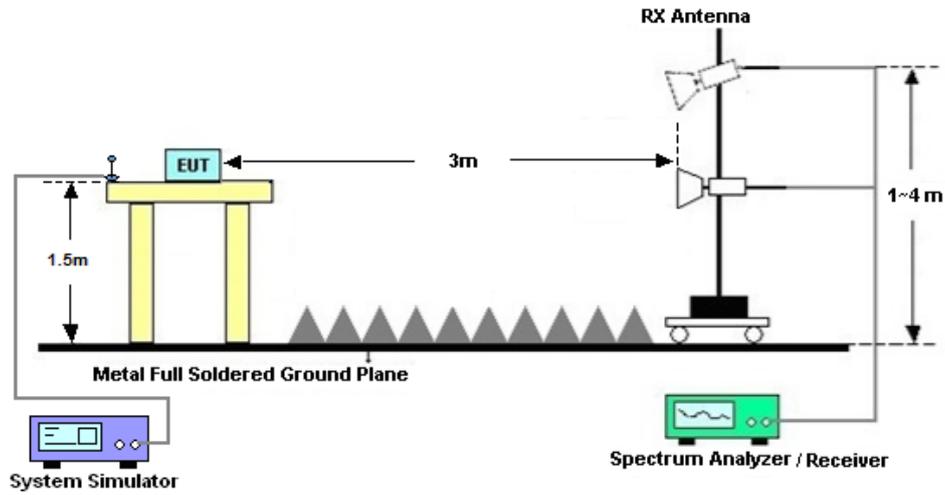
4.2.1 For radiated test below 30MHz



4.2.2 For radiated test from 30MHz to 1GHz



4.2.3 For radiated test above 1GHz



4.3 Test Result of Radiated Test

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

Please refer to Appendix B.



4.4 Radiated Spurious Emission

4.4.1 Description of Radiated Spurious Emission

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

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

4.4.2 Test Procedures

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



5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 03, 2025	Jul. 12, 2025	Jul. 02, 2026	Radiation (03CH02-SZ)
Loop Antenna	R&S	HFH2-Z2E	101141	9kHz~30MHz	Dec. 28, 2024	Jul. 12, 2025	Dec. 27, 2025	Radiation (03CH02-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz~2GHz	Oct. 24, 2023	Jul. 12, 2025	Oct. 23, 2025	Radiation (03CH02-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Jul. 04, 2025	Jul. 12, 2025	Jul. 04, 2026	Radiation (03CH02-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 03, 2025	Jul. 12, 2025	Jul. 03, 2026	Radiation (03CH02-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz~40GHz	Apr. 03, 2025	Jul. 12, 2025	Apr. 02, 2027	Radiation (03CH02-SZ)
LF Amplifier	EM Electronics	EM330	060788	20MHz~3GHz	Dec. 25, 2024	Jul. 12, 2025	Dec. 24, 2025	Radiation (03CH02-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270105	0.5GHz~26.5GHz	Oct. 14, 2024	Jul. 12, 2025	Oct. 13, 2025	Radiation (03CH02-SZ)
AC Power Source	Chroma	61601	616010003043	N/A	Oct. 18, 2024	Jul. 12, 2025	Oct. 17, 2025	Radiation (03CH02-SZ)
Turn Table	Chaintek	T-200	N/A	0~360 degree	NCR	Jul. 12, 2025	NCR	Radiation (03CH02-SZ)
Antenna Mast	Chaintek	MBS-400	N/A	1 m~4 m	NCR	Jul. 12, 2025	NCR	Radiation (03CH02-SZ)
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 02, 2025	Jun. 24, 2025	Apr. 01, 2026	Conducted (TH01-SZ)
DC Power Supply	TTI	PL330P	290070	Max 32V, 3A	Oct.14,2024	Jun. 24, 2025	Oct. 13, 2025	Conducted (TH01-SZ)
Power Divider	Titan	P02N005180	923402	0.4GHz~26.5GHz	Nov. 8, 2024	Jun. 24, 2025	Nov. 7, 2025	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Jul. 03, 2024	Jun. 24, 2025	Jul. 02, 2025	Conducted (TH01-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))	2.47dB
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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))	3.31dB
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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))	3.72dB
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----- THE END -----



Appendix A. Test Results of Conducted Test

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

Conducted Output Power(Average power) and ERP

LTE Band 5:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	ERP(W)		
				Ch. / Freq.	Ch. / Freq.	Ch. / Freq.	L	M	H
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844	L	M	H
10	QPSK	1	0	22.75	22.80	22.76	0.0535	0.0541	0.0536
10	QPSK	1	25	22.63	22.75	22.57	0.0520	0.0535	0.0513
10	QPSK	1	49	22.64	22.71	22.59	0.0521	0.0530	0.0515
10	QPSK	25	0	21.65	21.82	21.65	0.0415	0.0432	0.0415
10	QPSK	25	12	21.62	21.81	21.72	0.0412	0.0431	0.0422
10	QPSK	25	25	21.68	21.78	21.60	0.0418	0.0428	0.0410
10	QPSK	50	0	21.68	21.75	21.59	0.0418	0.0425	0.0409
10	16QAM	1	0	21.66	21.76	21.61	0.0416	0.0426	0.0411
10	16QAM	1	25	21.70	21.77	21.68	0.0420	0.0427	0.0418
10	16QAM	1	49	21.57	21.72	21.55	0.0407	0.0422	0.0406
10	16QAM	25	0	20.74	20.85	20.79	0.0337	0.0345	0.0340
10	16QAM	25	12	20.65	20.84	20.79	0.0330	0.0344	0.0340
10	16QAM	25	25	20.69	20.81	20.63	0.0333	0.0342	0.0328
10	16QAM	50	0	20.59	20.78	20.67	0.0325	0.0340	0.0331
10	64QAM	1	0	20.62	20.79	20.65	0.0327	0.0340	0.0330
10	64QAM	1	25	20.56	20.75	20.60	0.0323	0.0337	0.0326
10	64QAM	1	49	20.62	20.79	20.71	0.0327	0.0340	0.0334
10	64QAM	25	0	19.72	19.88	19.76	0.0266	0.0276	0.0269
10	64QAM	25	12	19.71	19.81	19.69	0.0265	0.0272	0.0264
10	64QAM	25	25	19.78	19.85	19.74	0.0270	0.0274	0.0267
10	64QAM	50	0	19.69	19.83	19.75	0.0264	0.0273	0.0268
10	256QAM	1	0	17.76	17.86	17.74	0.0169	0.0173	0.0169
10	256QAM	1	25	17.64	17.72	17.66	0.0165	0.0168	0.0166
10	256QAM	1	49	17.61	17.75	17.68	0.0164	0.0169	0.0166
10	256QAM	25	0	17.60	17.71	17.60	0.0163	0.0167	0.0163
10	256QAM	25	12	17.56	17.66	17.60	0.0162	0.0166	0.0163
10	256QAM	25	25	17.60	17.69	17.56	0.0163	0.0167	0.0162
10	256QAM	50	0	17.55	17.73	17.67	0.0161	0.0168	0.0166
Channel				20425	20525	20625	ERP(W)		
Frequency (MHz)				826.5	836.5	846.5	L	M	H
5	QPSK	1	0	22.63	22.67	22.75	0.0520	0.0525	0.0535
5	QPSK	1	12	22.56	22.63	22.43	0.0512	0.0520	0.0497



5	QPSK	1	24	22.59	22.56	22.51	0.0515	0.0512	0.0506
5	QPSK	12	0	21.63	21.79	21.60	0.0413	0.0429	0.0410
5	QPSK	12	7	21.53	21.75	21.62	0.0404	0.0425	0.0412
5	QPSK	12	13	21.58	21.75	21.55	0.0408	0.0425	0.0406
5	QPSK	25	0	21.56	21.61	21.51	0.0406	0.0411	0.0402
5	16QAM	1	0	21.57	21.65	21.47	0.0407	0.0415	0.0398
5	16QAM	1	12	21.68	21.69	21.56	0.0418	0.0419	0.0406
5	16QAM	1	24	21.45	21.58	21.44	0.0396	0.0408	0.0395
5	16QAM	12	0	20.64	20.75	20.69	0.0329	0.0337	0.0333
5	16QAM	12	7	20.64	20.73	20.70	0.0329	0.0336	0.0333
5	16QAM	12	13	20.66	20.67	20.57	0.0330	0.0331	0.0324
5	16QAM	25	0	20.55	20.65	20.57	0.0322	0.0330	0.0324
5	64QAM	1	0	20.48	20.69	20.57	0.0317	0.0333	0.0324
5	64QAM	1	12	20.51	20.73	20.58	0.0319	0.0336	0.0324
5	64QAM	1	24	20.60	20.69	20.63	0.0326	0.0333	0.0328
5	64QAM	12	0	19.59	19.78	19.63	0.0258	0.0270	0.0261
5	64QAM	12	7	19.56	19.73	19.56	0.0256	0.0267	0.0256
5	64QAM	12	13	19.68	19.78	19.71	0.0264	0.0270	0.0265
5	64QAM	25	0	19.55	19.81	19.63	0.0256	0.0272	0.0261
5	256QAM	1	0	17.72	17.78	17.68	0.0168	0.0170	0.0166
5	256QAM	1	12	17.62	17.60	17.54	0.0164	0.0163	0.0161
5	256QAM	1	24	17.46	17.64	17.57	0.0158	0.0165	0.0162
5	256QAM	12	0	17.53	17.69	17.54	0.0161	0.0167	0.0161
5	256QAM	12	7	17.47	17.52	17.45	0.0158	0.0160	0.0158
5	256QAM	12	13	17.55	17.62	17.50	0.0161	0.0164	0.0160
5	256QAM	25	0	17.52	17.59	17.61	0.0160	0.0163	0.0164
Channel				20415	20525	20635	ERP(W)		
Frequency (MHz)				825.5	836.5	847.5	L	M	H
3	QPSK	1	0	22.60	22.75	22.73	0.0516	0.0535	0.0532
3	QPSK	1	8	22.51	22.68	22.50	0.0506	0.0526	0.0505
3	QPSK	1	14	22.60	22.62	22.55	0.0516	0.0519	0.0511
3	QPSK	8	0	21.59	21.77	21.50	0.0409	0.0427	0.0401
3	QPSK	8	4	21.52	21.78	21.63	0.0403	0.0428	0.0413
3	QPSK	8	7	21.57	21.76	21.49	0.0407	0.0426	0.0400
3	QPSK	15	0	21.63	21.72	21.57	0.0413	0.0422	0.0407
3	16QAM	1	0	21.58	21.68	21.46	0.0408	0.0418	0.0397
3	16QAM	1	8	21.60	21.64	21.58	0.0410	0.0414	0.0408
3	16QAM	1	14	21.45	21.66	21.49	0.0396	0.0416	0.0400
3	16QAM	8	0	20.60	20.82	20.74	0.0326	0.0343	0.0337
3	16QAM	8	4	20.57	20.82	20.74	0.0324	0.0343	0.0337
3	16QAM	8	7	20.63	20.66	20.50	0.0328	0.0330	0.0318
3	16QAM	15	0	20.52	20.69	20.62	0.0320	0.0333	0.0327
3	64QAM	1	0	20.58	20.64	20.64	0.0324	0.0329	0.0329
3	64QAM	1	8	20.48	20.66	20.52	0.0317	0.0330	0.0320
3	64QAM	1	14	20.55	20.74	20.59	0.0322	0.0337	0.0325



3	64QAM	8	0	19.60	19.80	19.69	0.0259	0.0271	0.0264
3	64QAM	8	4	19.63	19.77	19.58	0.0261	0.0269	0.0258
3	64QAM	8	7	19.65	19.73	19.62	0.0262	0.0267	0.0260
3	64QAM	15	0	19.63	19.80	19.70	0.0261	0.0271	0.0265
3	256QAM	1	0	17.69	17.81	17.71	0.0167	0.0171	0.0167
3	256QAM	1	8	17.54	17.60	17.64	0.0161	0.0163	0.0165
3	256QAM	1	14	17.53	17.65	17.66	0.0161	0.0165	0.0166
3	256QAM	8	0	17.49	17.60	17.55	0.0159	0.0163	0.0161
3	256QAM	8	4	17.53	17.59	17.48	0.0161	0.0163	0.0159
3	256QAM	8	7	17.47	17.60	17.50	0.0158	0.0163	0.0160
3	256QAM	15	0	17.49	17.66	17.62	0.0159	0.0166	0.0164
Channel				20407	20525	20643	ERP(W)		
Frequency (MHz)				824.7	836.5	848.3	L	M	H
1.4	QPSK	1	0	22.71	22.67	22.73	0.0530	0.0525	0.0532
1.4	QPSK	1	3	22.53	22.65	22.47	0.0508	0.0522	0.0501
1.4	QPSK	1	5	22.61	22.59	22.45	0.0518	0.0515	0.0499
1.4	QPSK	3	0	22.60	22.75	22.60	0.0516	0.0535	0.0516
1.4	QPSK	3	1	22.51	22.66	22.68	0.0506	0.0524	0.0526
1.4	QPSK	3	3	22.56	22.73	22.53	0.0512	0.0532	0.0508
1.4	QPSK	6	0	21.55	21.61	21.57	0.0406	0.0411	0.0407
1.4	16QAM	1	0	21.53	21.68	21.58	0.0404	0.0418	0.0408
1.4	16QAM	1	3	21.68	21.68	21.61	0.0418	0.0418	0.0411
1.4	16QAM	1	5	21.53	21.65	21.53	0.0404	0.0415	0.0404
1.4	16QAM	3	0	21.60	21.73	21.76	0.0410	0.0423	0.0426
1.4	16QAM	3	1	21.55	21.70	21.66	0.0406	0.0420	0.0416
1.4	16QAM	3	3	21.57	21.71	21.51	0.0407	0.0421	0.0402
1.4	16QAM	6	0	20.57	20.76	20.65	0.0324	0.0338	0.0330
1.4	64QAM	1	0	20.60	20.73	20.63	0.0326	0.0336	0.0328
1.4	64QAM	1	3	20.42	20.63	20.45	0.0313	0.0328	0.0315
1.4	64QAM	1	5	20.48	20.68	20.66	0.0317	0.0332	0.0330
1.4	64QAM	3	0	20.65	20.76	20.73	0.0330	0.0338	0.0336
1.4	64QAM	3	1	20.59	20.68	20.61	0.0325	0.0332	0.0327
1.4	64QAM	3	3	20.68	20.83	20.68	0.0332	0.0344	0.0332
1.4	64QAM	6	0	19.64	19.70	19.64	0.0261	0.0265	0.0261
1.4	256QAM	1	0	17.69	17.73	17.68	0.0167	0.0168	0.0166
1.4	256QAM	1	3	17.62	17.58	17.64	0.0164	0.0163	0.0165
1.4	256QAM	1	5	17.47	17.65	17.61	0.0158	0.0165	0.0164
1.4	256QAM	3	0	17.50	17.62	17.48	0.0160	0.0164	0.0159
1.4	256QAM	3	1	17.49	17.59	17.53	0.0159	0.0163	0.0161
1.4	256QAM	3	3	17.47	17.58	17.53	0.0158	0.0163	0.0161
1.4	256QAM	6	0	17.51	17.60	17.58	0.0160	0.0163	0.0163



LTE Band 26:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP(W)			
Channel				26790	26865	26915	26965				
Frequency (MHz)				824	831.5	836.5	841.5	Straddle Ch	L	M	H
15	QPSK	1	0	22.71	22.71	22.84	22.68	0.0530	0.0530	0.0546	0.0526
15	QPSK	1	37	22.62	22.62	22.78	22.60	0.0519	0.0519	0.0538	0.0516
15	QPSK	1	74	22.42	22.42	22.68	22.43	0.0495	0.0495	0.0526	0.0497
15	QPSK	36	0	21.61	21.61	21.80	21.52	0.0411	0.0411	0.0430	0.0403
15	QPSK	36	20	21.46	21.46	21.72	21.45	0.0397	0.0397	0.0422	0.0396
15	QPSK	36	39	21.43	21.43	21.69	21.50	0.0394	0.0394	0.0419	0.0401
15	QPSK	75	0	21.54	21.54	21.75	21.57	0.0405	0.0405	0.0425	0.0407
15	16QAM	1	0	21.82	21.82	21.96	21.74	0.0432	0.0432	0.0446	0.0424
15	16QAM	1	37	21.92	21.92	22.09	21.91	0.0442	0.0442	0.0459	0.0441
15	16QAM	1	74	21.65	21.65	21.85	21.65	0.0415	0.0415	0.0435	0.0415
15	16QAM	36	0	20.58	20.58	20.78	20.60	0.0324	0.0324	0.0340	0.0326
15	16QAM	36	20	20.45	20.45	20.69	20.42	0.0315	0.0315	0.0333	0.0313
15	16QAM	36	39	20.48	20.48	20.70	20.51	0.0317	0.0317	0.0333	0.0319
15	16QAM	75	0	20.62	20.62	20.76	20.48	0.0327	0.0327	0.0338	0.0317
15	64QAM	1	0	20.71	20.71	20.85	20.59	0.0334	0.0334	0.0345	0.0325
15	64QAM	1	37	20.83	20.83	20.98	20.81	0.0344	0.0344	0.0356	0.0342
15	64QAM	1	74	20.48	20.48	20.70	20.53	0.0317	0.0317	0.0333	0.0321
15	64QAM	36	0	19.74	19.74	19.90	19.64	0.0267	0.0267	0.0277	0.0261
15	64QAM	36	20	19.73	19.73	19.87	19.62	0.0267	0.0267	0.0275	0.0260
15	64QAM	36	39	19.66	19.66	19.82	19.59	0.0262	0.0262	0.0272	0.0258
15	64QAM	75	0	19.63	19.63	19.89	19.71	0.0261	0.0261	0.0277	0.0265
15	256QAM	1	0	17.85	17.85	18.01	17.78	0.0173	0.0173	0.0179	0.0170
15	256QAM	1	37	17.89	17.89	18.01	17.85	0.0175	0.0175	0.0179	0.0173
15	256QAM	1	74	17.72	17.72	17.85	17.58	0.0168	0.0168	0.0173	0.0163
15	256QAM	36	0	17.74	17.74	17.90	17.73	0.0169	0.0169	0.0175	0.0168
15	256QAM	36	20	17.69	17.69	17.86	17.64	0.0167	0.0167	0.0173	0.0165
15	256QAM	36	39	17.57	17.57	17.80	17.56	0.0162	0.0162	0.0171	0.0162
15	256QAM	75	0	17.75	17.75	17.87	17.69	0.0169	0.0169	0.0174	0.0167
Channel				-	26840	26915	26990	ERP(W)			
Frequency (MHz)				-	829	836.5	844	-	L	M	H
10	QPSK	1	0	/	22.67	22.80	22.55	/	0.0525	0.0541	0.0511
10	QPSK	1	25		22.54	22.76	22.52		0.0509	0.0536	0.0507
10	QPSK	1	49		22.41	22.60	22.33		0.0494	0.0516	0.0485
10	QPSK	25	0		21.52	21.67	21.47		0.0403	0.0417	0.0398
10	QPSK	25	12		21.38	21.64	21.32		0.0390	0.0414	0.0385
10	QPSK	25	25		21.31	21.62	21.46		0.0384	0.0412	0.0397
10	QPSK	50	0		21.52	21.64	21.44		0.0403	0.0414	0.0395
10	16QAM	1	0		21.79	21.82	21.64		0.0429	0.0432	0.0414
10	16QAM	1	25		21.83	21.94	21.88		0.0433	0.0444	0.0438



10	16QAM	1	49		21.63	21.84	21.54		0.0413	0.0434	0.0405
10	16QAM	25	0		20.51	20.74	20.47		0.0319	0.0337	0.0316
10	16QAM	25	12		20.38	20.67	20.30		0.0310	0.0331	0.0304
10	16QAM	25	25		20.44	20.61	20.39		0.0314	0.0327	0.0310
10	16QAM	50	0		20.54	20.63	20.43		0.0321	0.0328	0.0313
10	64QAM	1	0		20.67	20.72	20.51		0.0331	0.0335	0.0319
10	64QAM	1	25		20.78	20.84	20.71		0.0340	0.0344	0.0334
10	64QAM	1	49		20.44	20.57	20.38		0.0314	0.0324	0.0310
10	64QAM	25	0		19.72	19.86	19.56		0.0266	0.0275	0.0256
10	64QAM	25	12		19.68	19.83	19.59		0.0264	0.0273	0.0258
10	64QAM	25	25		19.52	19.80	19.51		0.0254	0.0271	0.0254
10	64QAM	50	0		19.53	19.81	19.58		0.0255	0.0272	0.0258
10	256QAM	1	0		17.73	17.99	17.64		0.0168	0.0179	0.0165
10	256QAM	1	25		17.79	17.89	17.76		0.0171	0.0175	0.0169
10	256QAM	1	49		17.70	17.76	17.43		0.0167	0.0169	0.0157
10	256QAM	25	0		17.64	17.76	17.58		0.0165	0.0169	0.0163
10	256QAM	25	12		17.54	17.72	17.53		0.0161	0.0168	0.0161
10	256QAM	25	25		17.45	17.66	17.52		0.0158	0.0166	0.0160
10	256QAM	50	0		17.62	17.75	17.64		0.0164	0.0169	0.0165
Channel				-	26815	26915	27015	ERP(W)			
Frequency (MHz)				-	826.5	836.5	846.5	-	L	M	H
5	QPSK	1	0		22.56	22.81	22.62		0.0512	0.0542	0.0519
5	QPSK	1	12		22.50	22.70	22.47		0.0505	0.0528	0.0501
5	QPSK	1	24		22.31	22.60	22.38		0.0483	0.0516	0.0491
5	QPSK	12	0		21.48	21.77	21.41		0.0399	0.0427	0.0393
5	QPSK	12	7		21.45	21.68	21.43		0.0396	0.0418	0.0394
5	QPSK	12	13		21.28	21.64	21.43		0.0381	0.0414	0.0394
5	QPSK	25	0		21.44	21.69	21.45		0.0395	0.0419	0.0396
5	16QAM	1	0		21.69	21.86	21.66		0.0419	0.0436	0.0416
5	16QAM	1	12		21.83	21.99	21.90		0.0433	0.0449	0.0440
5	16QAM	1	24		21.54	21.77	21.61		0.0405	0.0427	0.0411
5	16QAM	12	0		20.53	20.76	20.51		0.0321	0.0338	0.0319
5	16QAM	12	7		20.39	20.66	20.27		0.0310	0.0330	0.0302
5	16QAM	12	13		20.45	20.56	20.47		0.0315	0.0323	0.0316
5	16QAM	25	0		20.47	20.71	20.40		0.0316	0.0334	0.0311
5	64QAM	1	0		20.68	20.78	20.57		0.0332	0.0340	0.0324
5	64QAM	1	12		20.81	20.85	20.78		0.0342	0.0345	0.0340
5	64QAM	1	24		20.46	20.67	20.39		0.0316	0.0331	0.0310
5	64QAM	12	0		19.67	19.76	19.55		0.0263	0.0269	0.0256
5	64QAM	12	7		19.69	19.73	19.60		0.0264	0.0267	0.0259
5	64QAM	12	13		19.56	19.67	19.46		0.0256	0.0263	0.0251
5	64QAM	25	0		19.53	19.83	19.60		0.0255	0.0273	0.0259
5	256QAM	1	0		17.81	17.99	17.71		0.0171	0.0179	0.0167
5	256QAM	1	12		17.77	17.94	17.72		0.0170	0.0177	0.0168
5	256QAM	1	24		17.61	17.83	17.44		0.0164	0.0172	0.0157



5	256QAM	12	0		17.64	17.87	17.72		0.0165	0.0174	0.0168		
5	256QAM	12	7		17.60	17.74	17.53		0.0163	0.0169	0.0161		
5	256QAM	12	13		17.44	17.73	17.43		0.0157	0.0168	0.0157		
5	256QAM	25	0		17.66	17.72	17.59		0.0166	0.0168	0.0163		
Channel				-	26815	26915	27025	ERP(W)					
Frequency (MHz)				-	825.5	836.5	847.5	-	L	M	H		
3	QPSK	1	0	/	22.58	22.70	22.58	/	0.0514	0.0528	0.0514		
3	QPSK	1	8		22.56	22.75	22.50		0.0512	0.0535	0.0505		
3	QPSK	1	14		22.30	22.61	22.37		0.0482	0.0518	0.0490		
3	QPSK	8	0		21.51	21.66	21.46		0.0402	0.0416	0.0397		
3	QPSK	8	4		21.38	21.63	21.40		0.0390	0.0413	0.0392		
3	QPSK	8	7		21.31	21.55	21.41		0.0384	0.0406	0.0393		
3	QPSK	15	0		21.47	21.69	21.46		0.0398	0.0419	0.0397		
3	16QAM	1	0		21.78	21.88	21.63		0.0428	0.0438	0.0413		
3	16QAM	1	8		21.83	22.04	21.90		0.0433	0.0454	0.0440		
3	16QAM	1	14		21.63	21.78	21.60		0.0413	0.0428	0.0410		
3	16QAM	8	0		20.54	20.74	20.47		0.0321	0.0337	0.0316		
3	16QAM	8	4		20.33	20.59	20.39		0.0306	0.0325	0.0310		
3	16QAM	8	7		20.35	20.62	20.44		0.0308	0.0327	0.0314		
3	16QAM	15	0		20.58	20.64	20.41		0.0324	0.0329	0.0312		
3	64QAM	1	0		20.68	20.82	20.52		0.0332	0.0343	0.0320		
3	64QAM	1	8		20.76	20.94	20.66		0.0338	0.0352	0.0330		
3	64QAM	1	14		20.45	20.65	20.50		0.0315	0.0330	0.0318		
3	64QAM	8	0		19.69	19.88	19.63		0.0264	0.0276	0.0261		
3	64QAM	8	4		19.70	19.77	19.56		0.0265	0.0269	0.0256		
3	64QAM	8	7		19.63	19.79	19.45		0.0261	0.0270	0.0250		
3	64QAM	15	0		19.59	19.82	19.64		0.0258	0.0272	0.0261		
3	256QAM	1	0		17.72	17.96	17.72		0.0168	0.0177	0.0168		
3	256QAM	1	8		17.83	17.95	17.79		0.0172	0.0177	0.0171		
3	256QAM	1	14		17.64	17.83	17.52		0.0165	0.0172	0.0160		
3	256QAM	8	0		17.65	17.80	17.70		0.0165	0.0171	0.0167		
3	256QAM	8	4		17.62	17.77	17.51		0.0164	0.0170	0.0160		
3	256QAM	8	7		17.45	17.66	17.51		0.0158	0.0166	0.0160		
3	256QAM	15	0		17.68	17.83	17.63		0.0166	0.0172	0.0164		
Channel					-	26797	26915		27033	ERP(W)			
Frequency (MHz)					-	824.7	836.5		848.3	-	L	M	H
1.4	QPSK	1	0		/	22.58	22.73		22.60	/	0.0514	0.0532	0.0516
1.4	QPSK	1	3			22.54	22.69		22.59		0.0509	0.0527	0.0515
1.4	QPSK	1	5	22.36		22.65	22.31	0.0489	0.0522		0.0483		
1.4	QPSK	3	0	22.01		22.01	22.02	0.0451	0.0451		0.0452		
1.4	QPSK	3	1	22.00		22.01	22.00	0.0450	0.0451		0.0450		
1.4	QPSK	3	3	22.01		22.00	22.00	0.0451	0.0450		0.0450		
1.4	QPSK	6	0	21.42		21.62	21.43	0.0394	0.0412		0.0394		
1.4	16QAM	1	0	21.75		21.87	21.68	0.0425	0.0437		0.0418		
1.4	16QAM	1	3	21.83		21.97	21.78	0.0433	0.0447		0.0428		



1.4	16QAM	1	5	21.63	21.81	21.56	0.0413	0.0431	0.0406
1.4	16QAM	3	0	21.00	21.00	21.01	0.0357	0.0357	0.0358
1.4	16QAM	3	1	21.00	21.01	21.01	0.0357	0.0358	0.0358
1.4	16QAM	3	3	21.00	21.00	21.02	0.0357	0.0357	0.0359
1.4	16QAM	6	0	20.54	20.71	20.43	0.0321	0.0334	0.0313
1.4	64QAM	1	0	20.67	20.79	20.54	0.0331	0.0340	0.0321
1.4	64QAM	1	3	20.74	20.88	20.70	0.0337	0.0348	0.0333
1.4	64QAM	1	5	20.45	20.67	20.41	0.0315	0.0331	0.0312
1.4	64QAM	3	0	20.00	20.00	20.02	0.0284	0.0284	0.0285
1.4	64QAM	3	1	20.01	20.01	20.02	0.0284	0.0284	0.0285
1.4	64QAM	3	3	20.00	20.00	20.00	0.0284	0.0284	0.0284
1.4	64QAM	6	0	19.56	19.85	19.58	0.0256	0.0274	0.0258
1.4	256QAM	1	0	17.75	17.91	17.76	0.0169	0.0175	0.0169
1.4	256QAM	1	3	17.86	17.93	17.75	0.0173	0.0176	0.0169
1.4	256QAM	1	5	17.70	17.83	17.47	0.0167	0.0172	0.0158
1.4	256QAM	3	0	17.72	17.85	17.65	0.0168	0.0173	0.0165
1.4	256QAM	3	1	17.62	17.76	17.58	0.0164	0.0169	0.0163
1.4	256QAM	3	3	17.44	17.68	17.49	0.0157	0.0166	0.0159
1.4	256QAM	6	0	17.64	17.82	17.56	0.0165	0.0172	0.0162

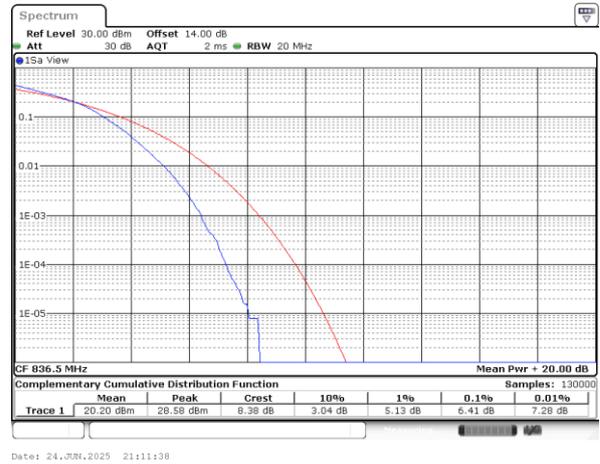
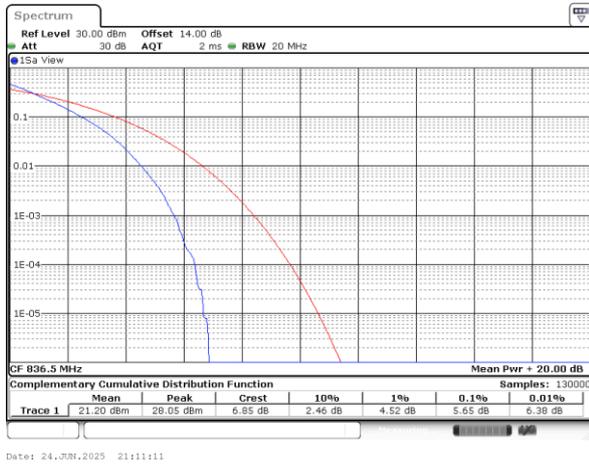


LTE Band 26_Part 22H

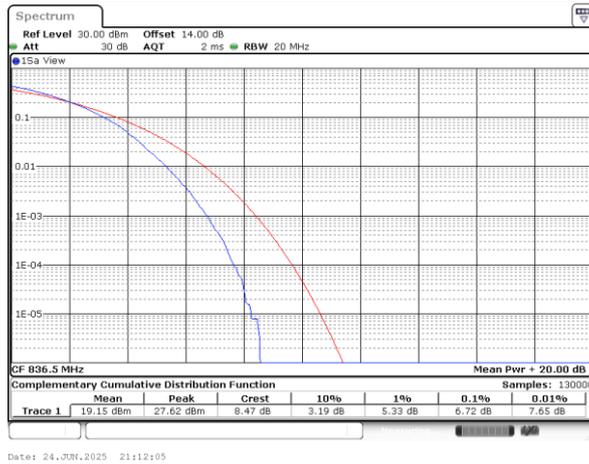
Peak-to-Average Ratio

Mode	LTE Band 26 / 15MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.65	6.41	6.72	PASS

LTE Band 26 / 15MHz / QPSK	LTE Band 26 / 15MHz / 16QAM
Middle Channel / Full RB	Middle Channel / Full RB



LTE Band 26 / 15MHz / 64QAM
Middle Channel / Full RB

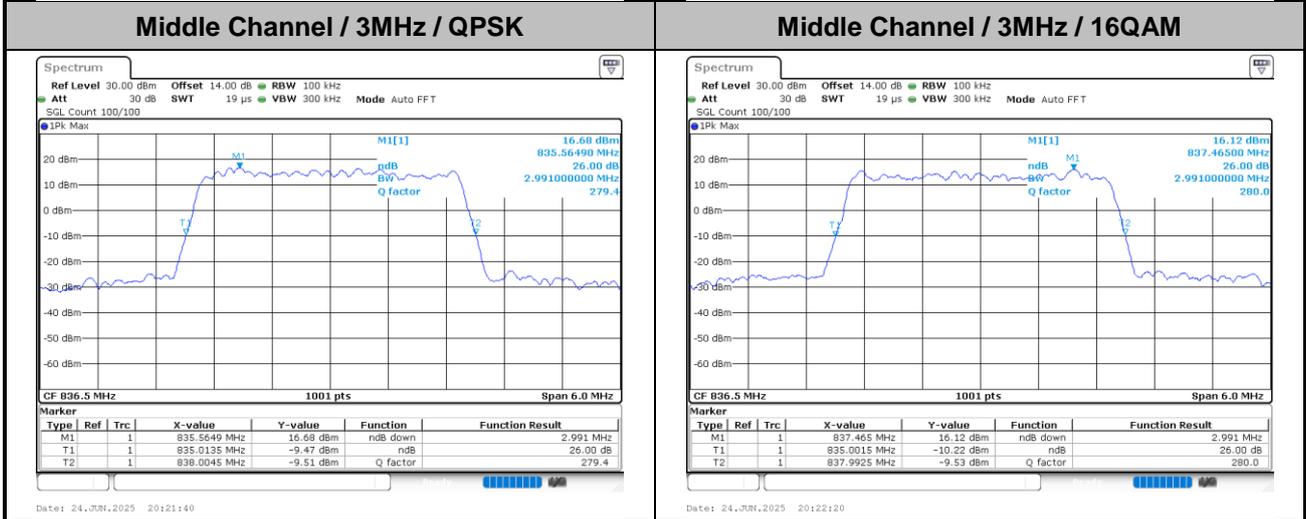
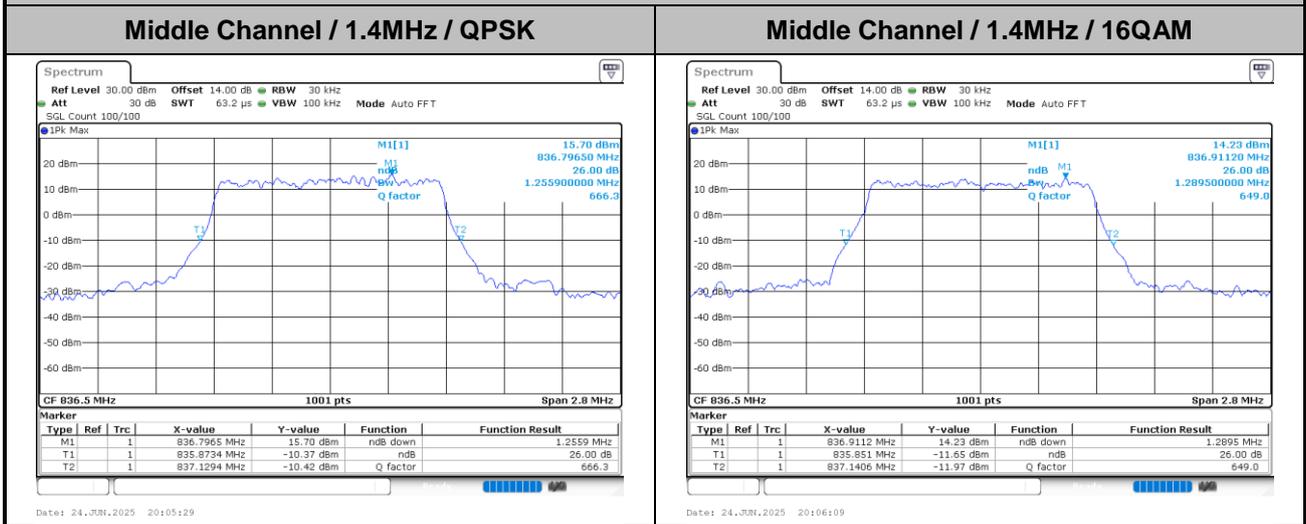




26dB Bandwidth

Mode	LTE Band 26 : 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	1.29	2.99	2.99	4.91	4.93	9.85	9.81	14.27	14.21	-	-

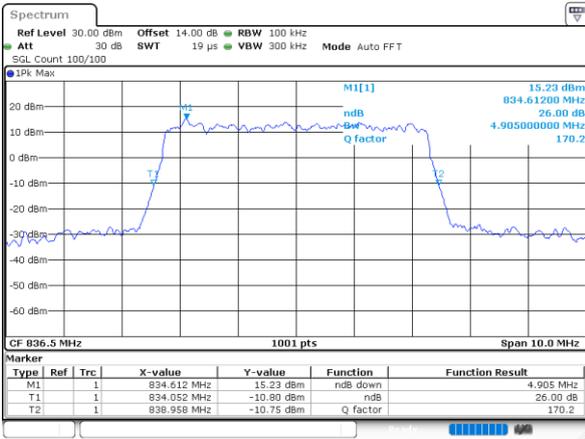
LTE Band 26





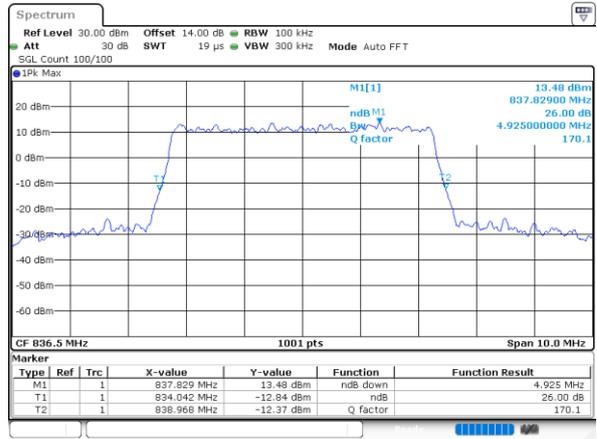
LTE Band 26

Middle Channel / 5MHz / QPSK



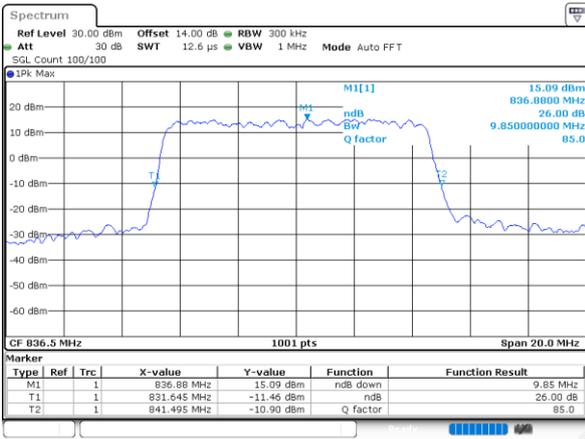
Date: 24 JUN 2025 20:37:50

Middle Channel / 5MHz / 16QAM



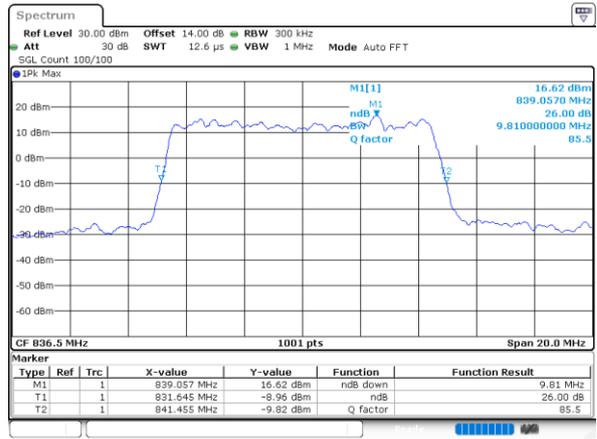
Date: 24 JUN 2025 20:38:30

Middle Channel / 10MHz / QPSK



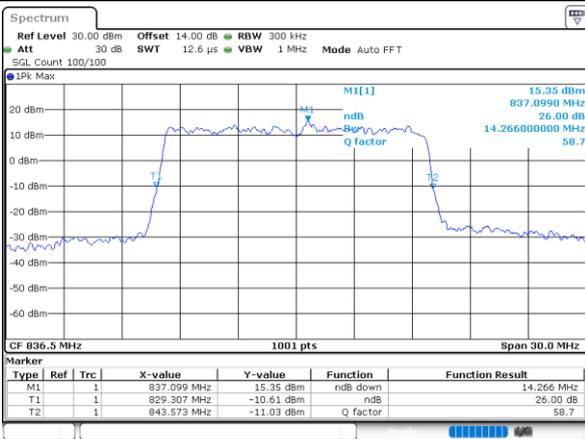
Date: 24 JUN 2025 20:54:00

Middle Channel / 10MHz / 16QAM



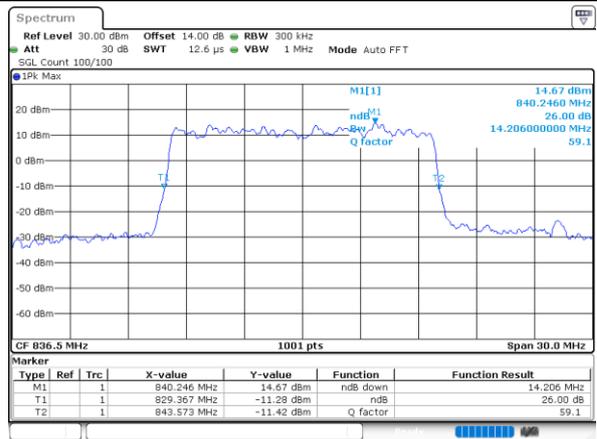
Date: 24 JUN 2025 20:54:40

Middle Channel / 15MHz / QPSK



Date: 24 JUN 2025 21:10:04

Middle Channel / 15MHz / 16QAM



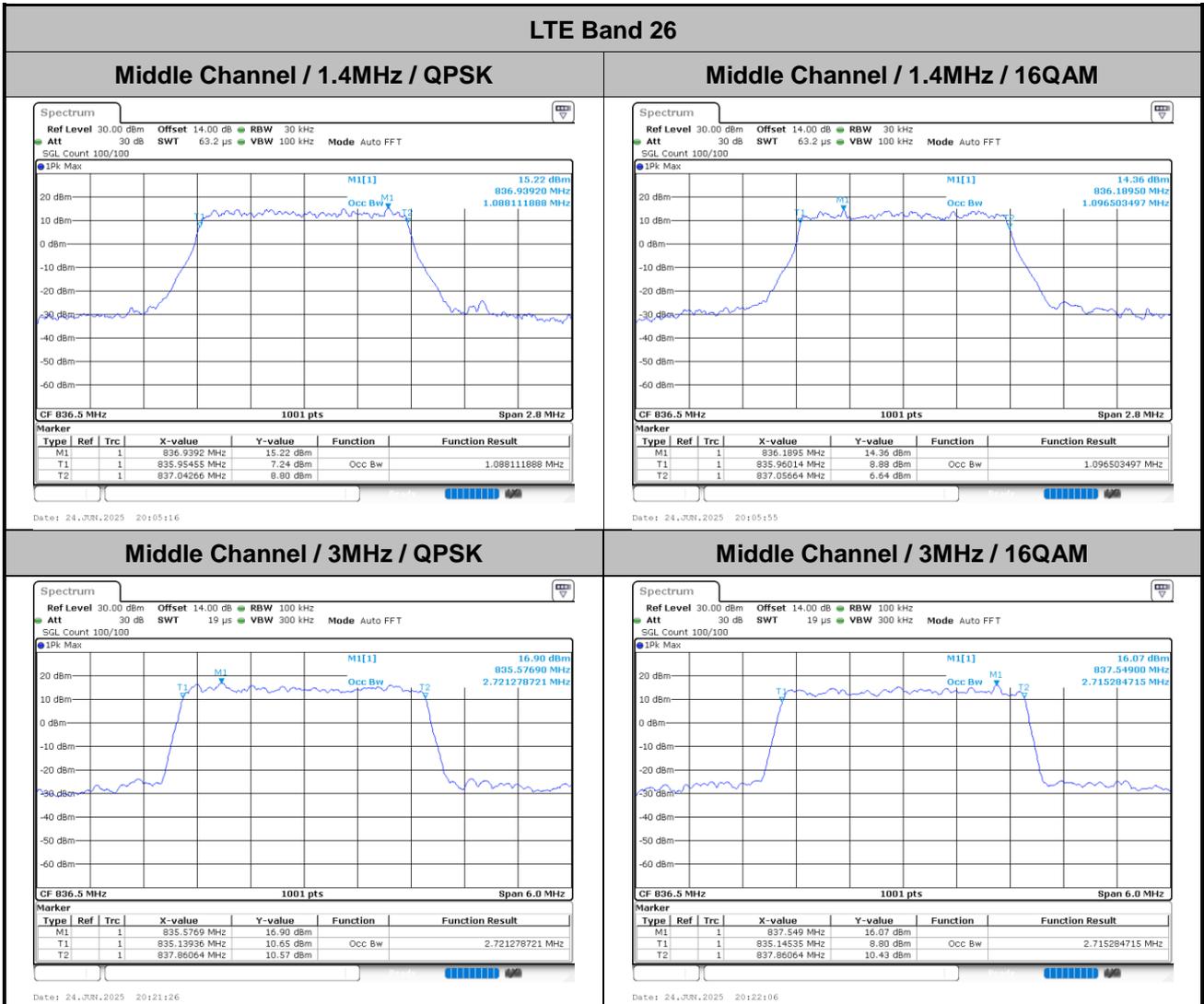
Date: 24 JUN 2025 21:10:44



Occupied Bandwidth

Mode	LTE Band 26 : 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	1.09	1.10	2.72	2.72	4.48	4.49	9.03	9.03	13.43	13.46	-	-

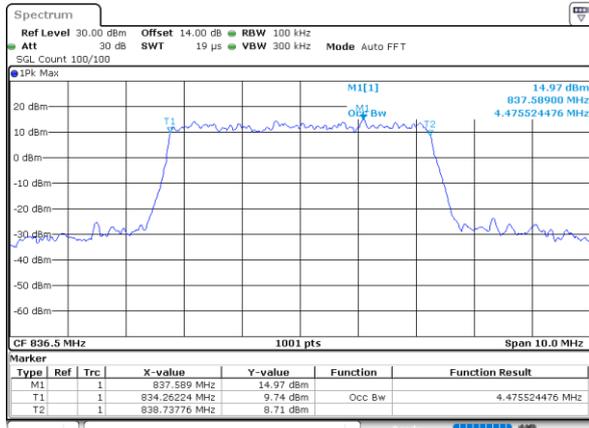
Mode	LTE Band 26 : 99%OBW(MHz)	
	15MHz (CH26790)	
Mod.	QPSK	16QAM
High CH	13.52	13.46





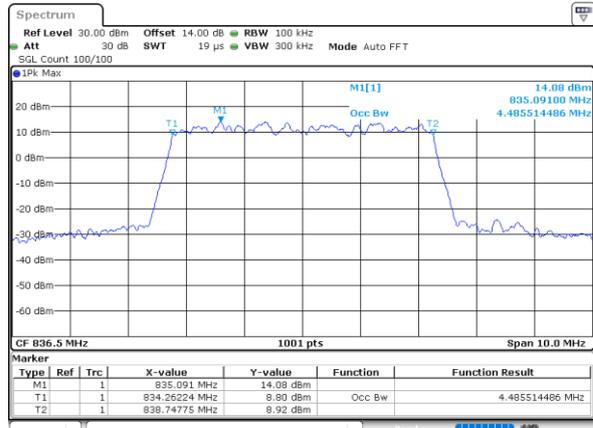
LTE Band 26

Middle Channel / 5MHz / QPSK



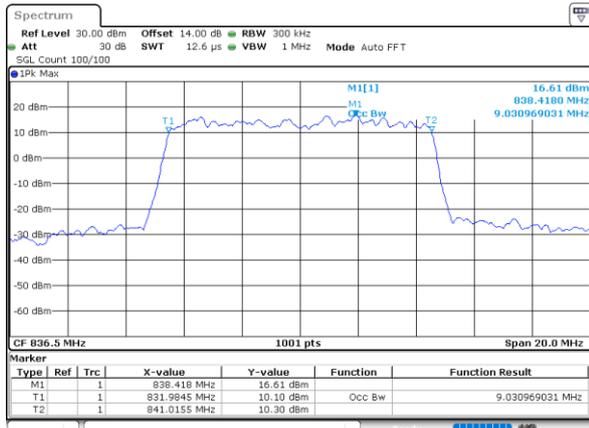
Date: 24 JUN 2025 20:37:36

Middle Channel / 5MHz / 16QAM



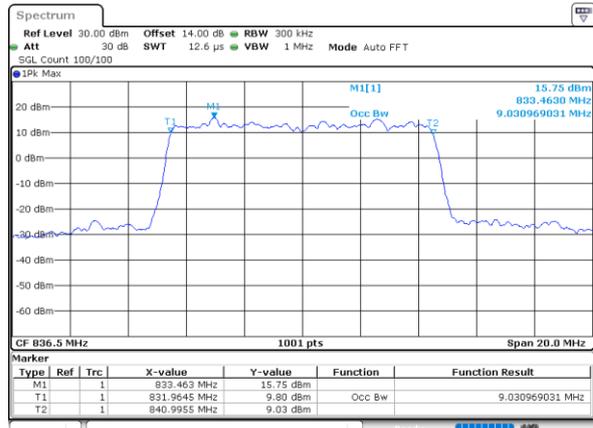
Date: 24 JUN 2025 20:38:16

Middle Channel / 10MHz / QPSK



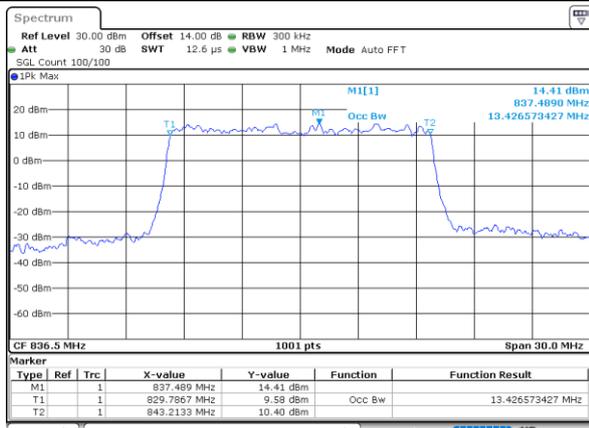
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Middle Channel / 10MHz / 16QAM



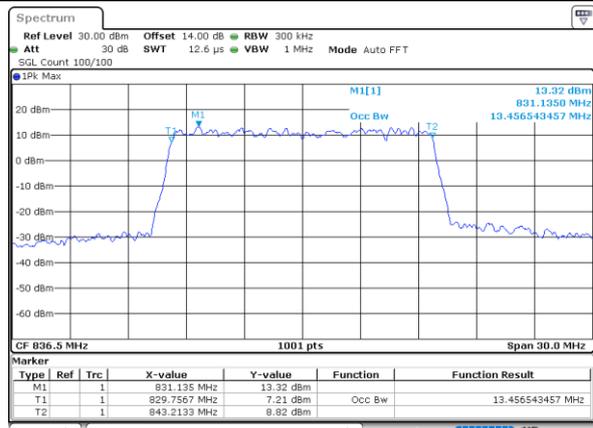
Date: 24 JUN 2025 20:54:26

Middle Channel / 15MHz / QPSK



Date: 24 JUN 2025 21:09:50

Middle Channel / 15MHz / 16QAM

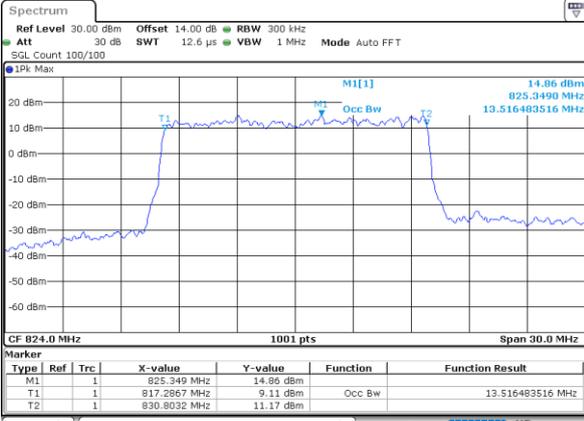


Date: 24 JUN 2025 21:10:30



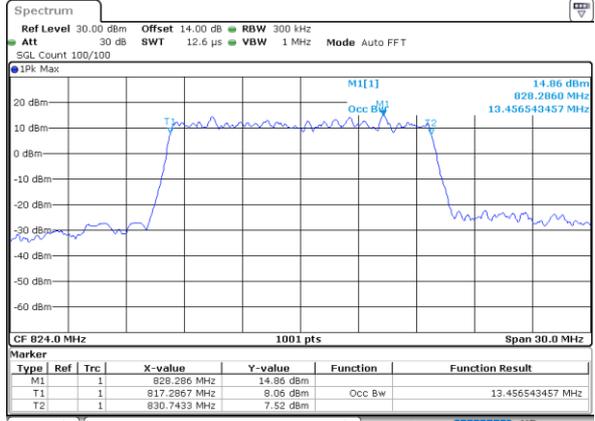
LTE Band 26(CH26790)

High Channel / 15MHz / QPSK



Date: 24 JUN 2025 19:48:59

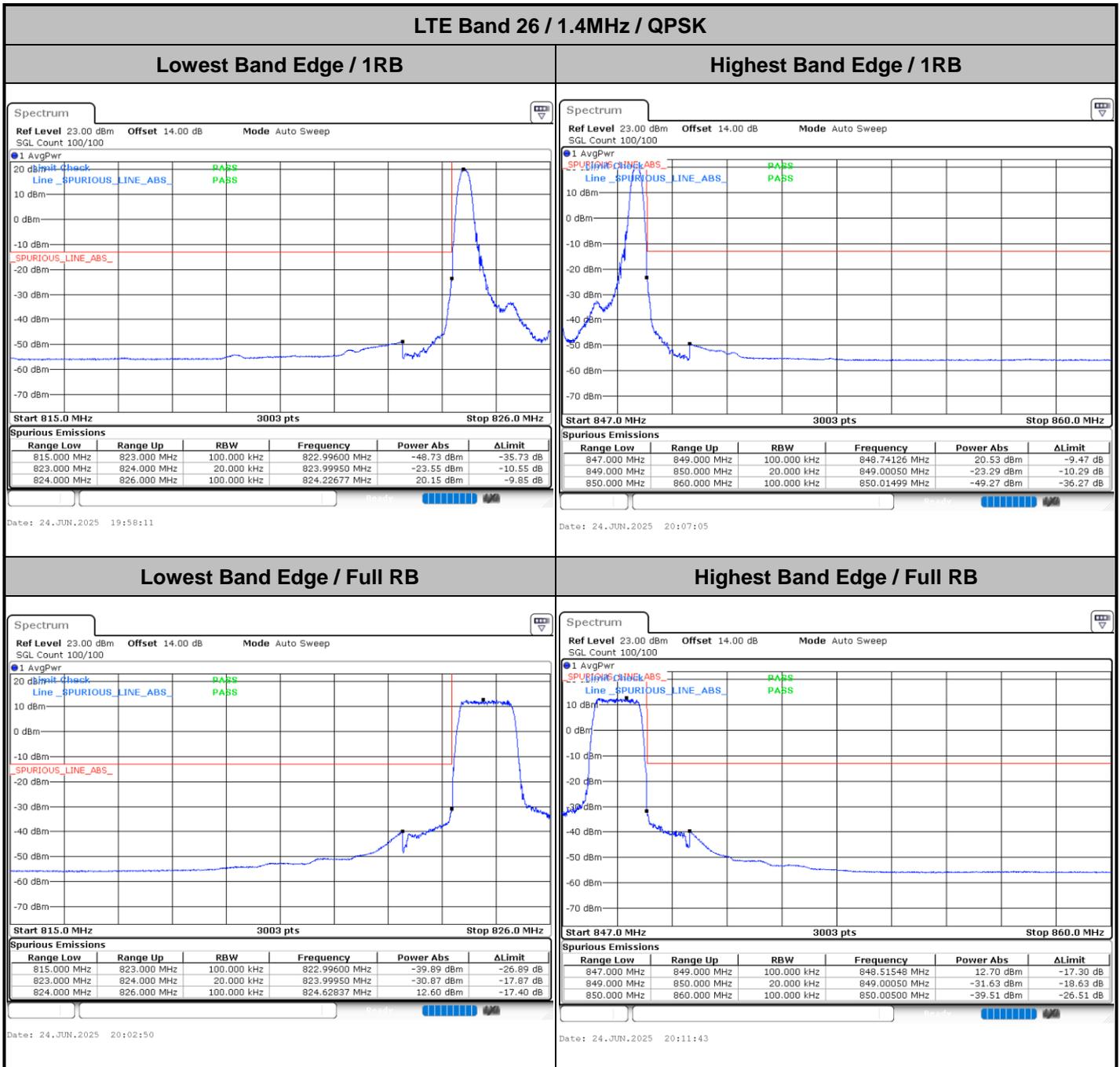
High Channel / 15MHz / 16QAM



Date: 24 JUN 2025 19:49:53



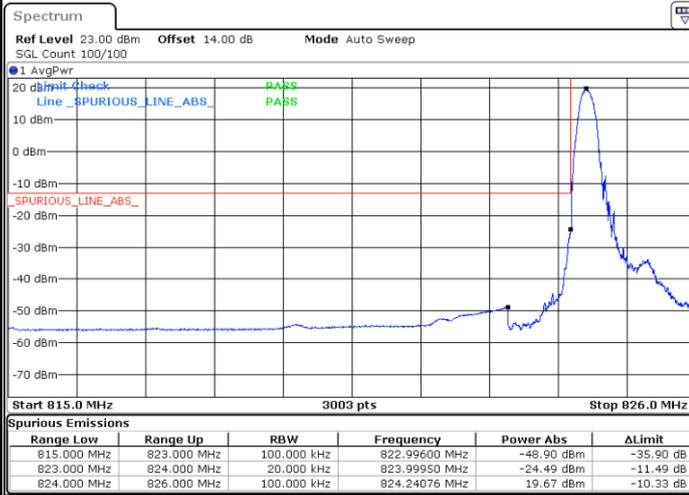
Conducted Band Edge





LTE Band 26 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



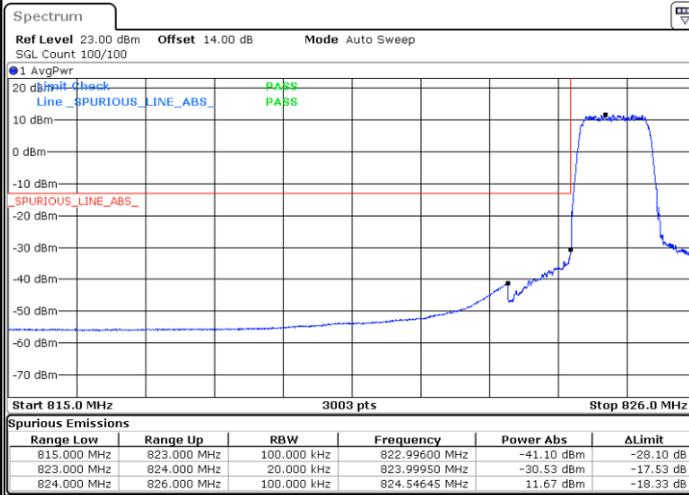
Date: 24.JUN.2025 19:59:07

Highest Band Edge / 1 RB



Date: 24.JUN.2025 20:08:00

Lowest Band Edge / Full RB



Date: 24.JUN.2025 20:01:54

Highest Band Edge / Full RB

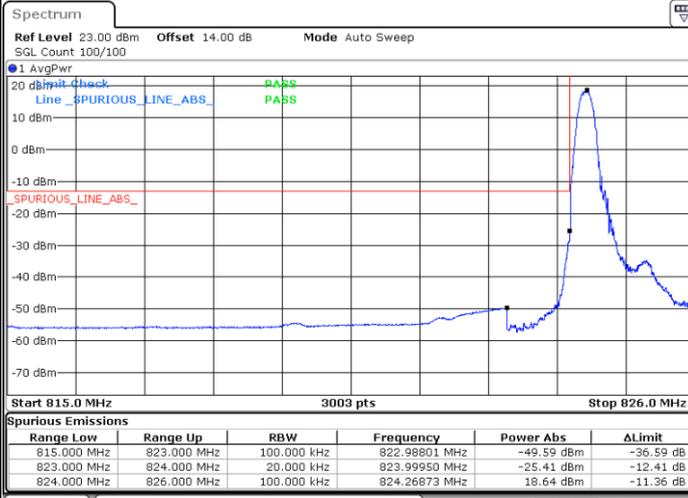


Date: 24.JUN.2025 20:10:47



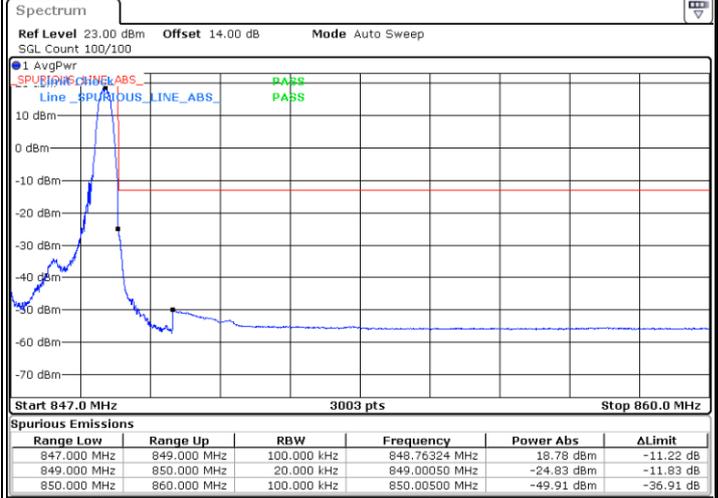
LTE Band 26 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



Date: 24.JUN.2025 20:00:03

Highest Band Edge / 1 RB



Date: 24.JUN.2025 20:08:56

Lowest Band Edge / Full RB



Date: 24.JUN.2025 20:00:58

Highest Band Edge / Full RB

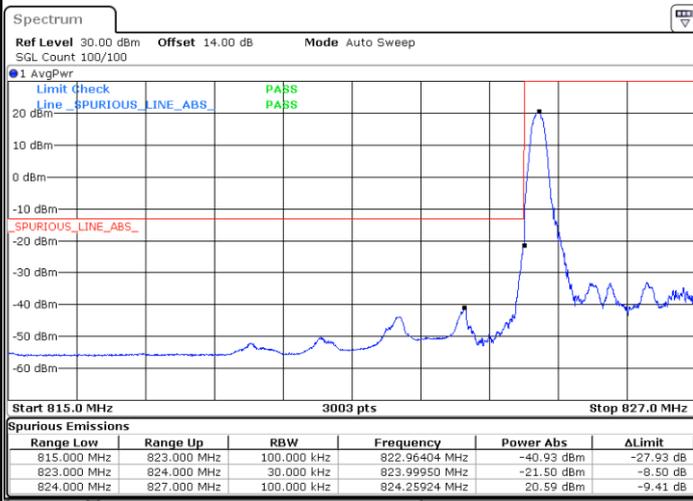


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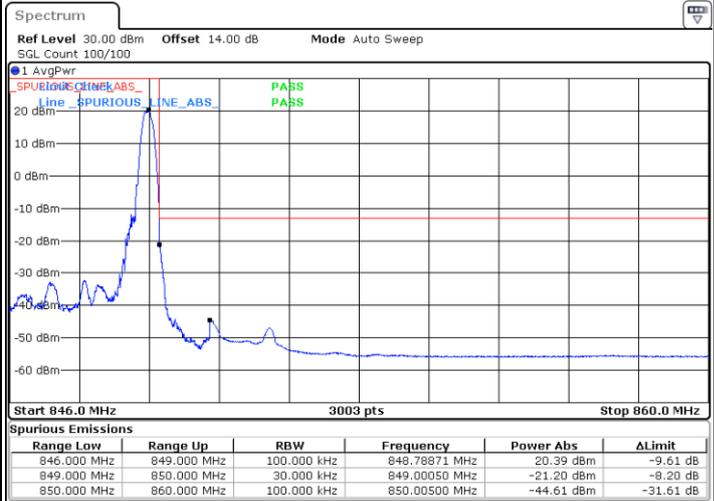
LTE Band 26 / 3MHz / QPSK

Lowest Band Edge / 1RB



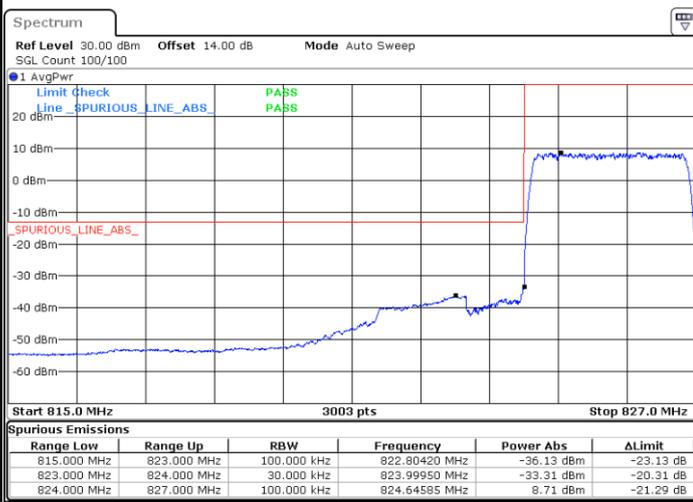
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Highest Band Edge / 1RB



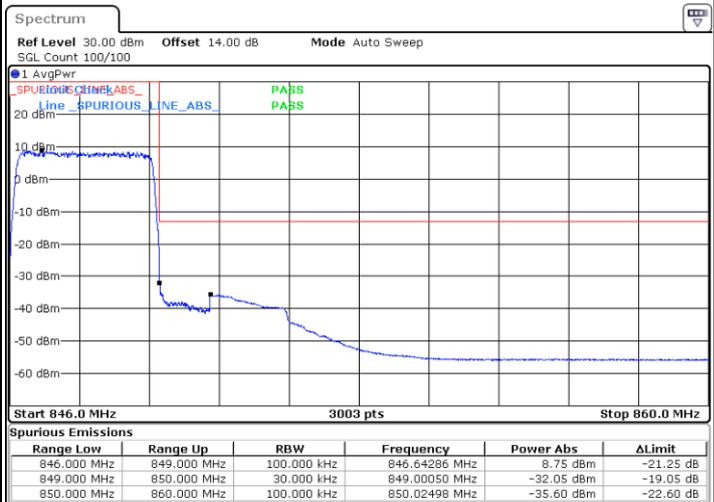
Date: 24.JUN.2025 20:23:15

Lowest Band Edge / Full RB



Date: 24.JUN.2025 20:19:00

Highest Band Edge / Full RB

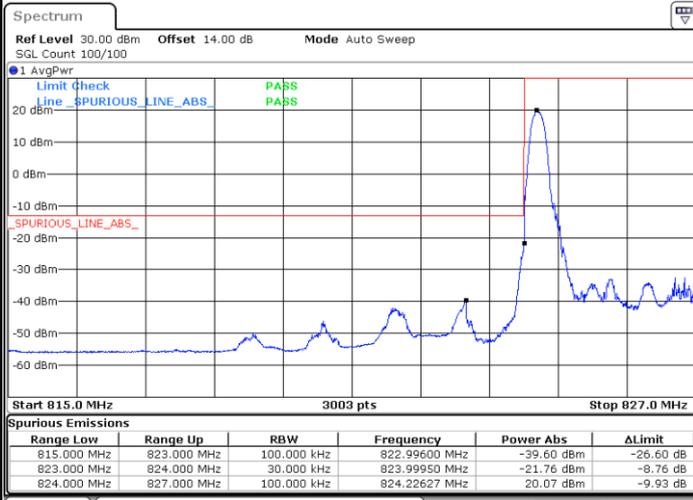


Date: 24.JUN.2025 20:27:53



LTE Band 26 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



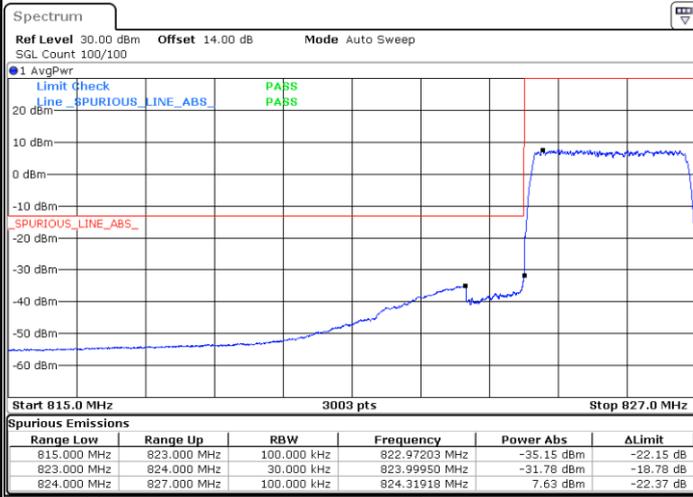
Date: 24.JUN.2025 20:15:17

Highest Band Edge / 1 RB



Date: 24.JUN.2025 20:24:10

Lowest Band Edge / Full RB



Date: 24.JUN.2025 20:18:04

Highest Band Edge / Full RB

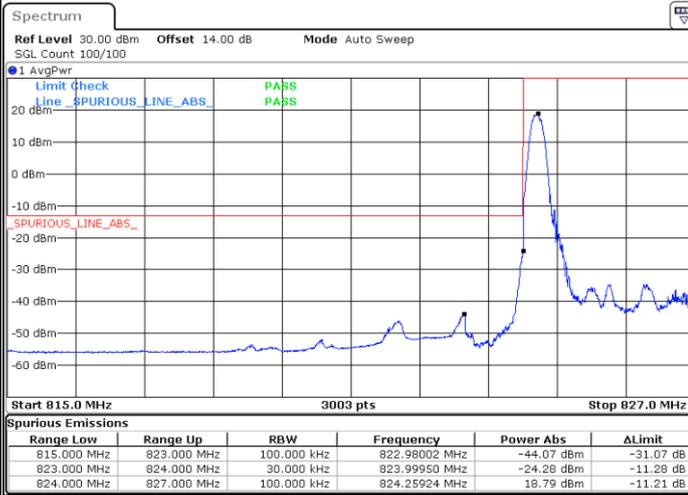


Date: 24.JUN.2025 20:26:57



LTE Band 26 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



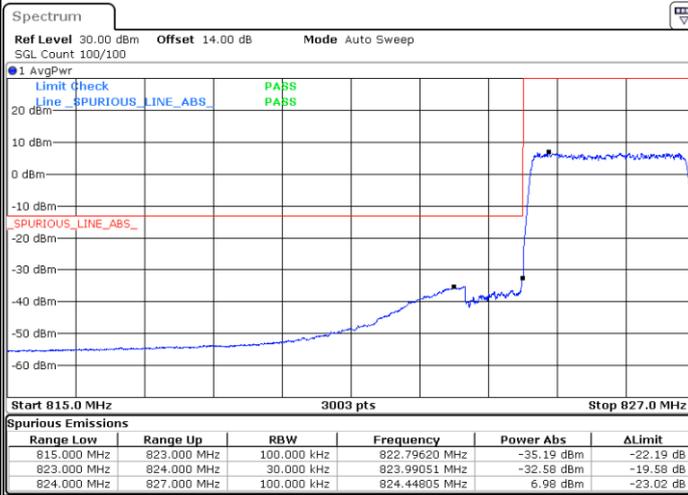
Date: 24.JUN.2025 20:16:13

Highest Band Edge / 1 RB



Date: 24.JUN.2025 20:25:06

Lowest Band Edge / Full RB



Date: 24.JUN.2025 20:17:08

Highest Band Edge / Full RB

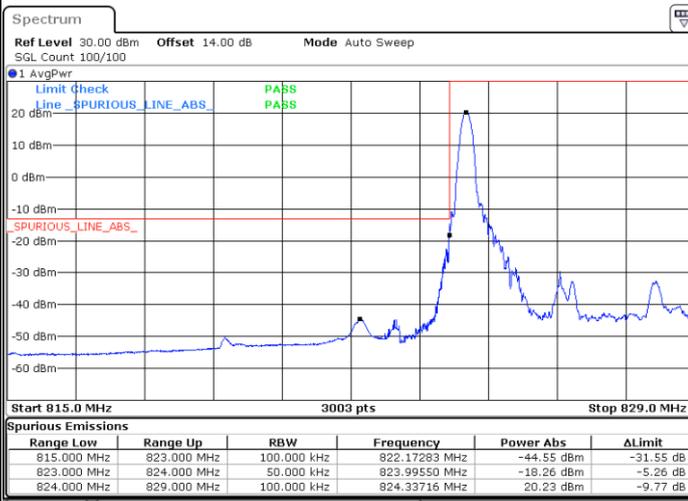


Date: 24.JUN.2025 20:26:01



LTE Band 26 / 5MHz / QPSK

Lowest Band Edge / 1RB



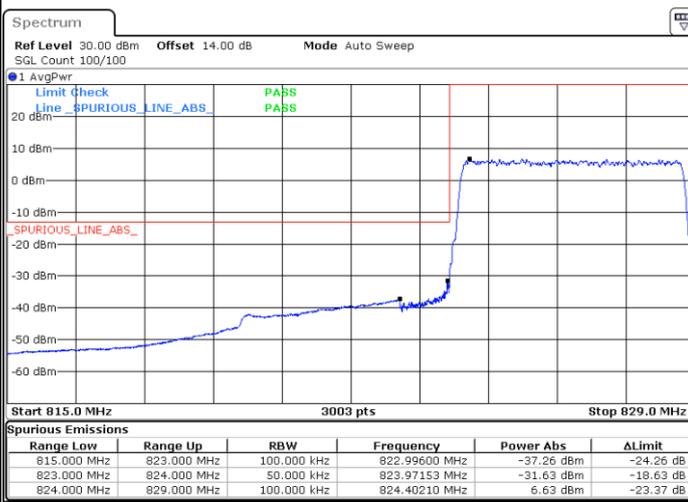
Date: 24.JUN.2025 20:30:31

Highest Band Edge / 1RB



Date: 24.JUN.2025 20:39:25

Lowest Band Edge / Full RB



Date: 24.JUN.2025 20:35:10

Highest Band Edge / Full RB

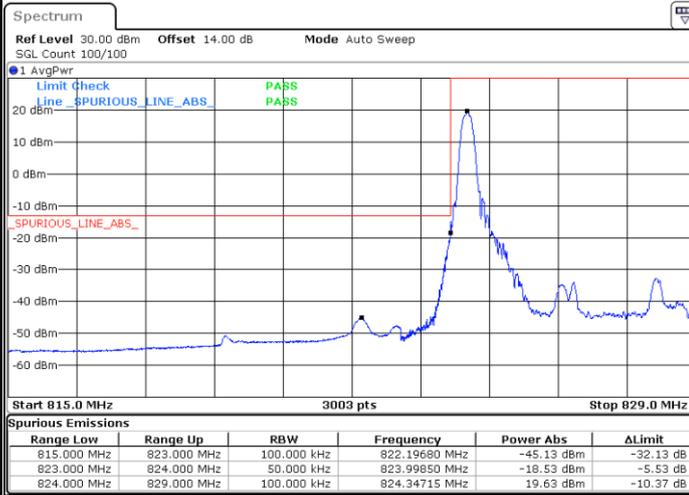


Date: 24.JUN.2025 20:44:03



LTE Band 26 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



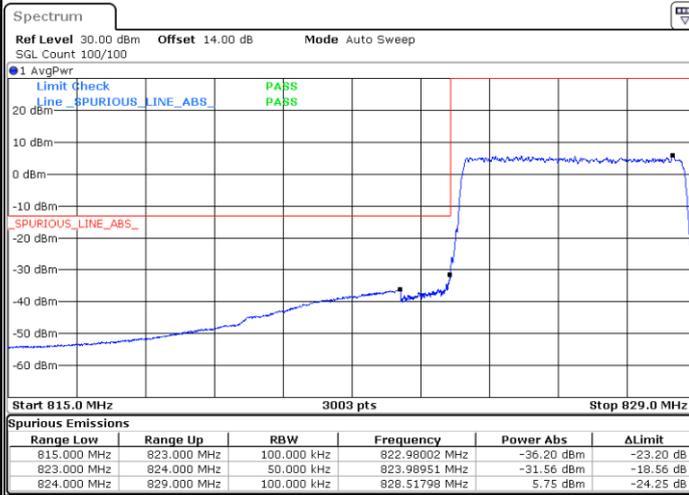
Date: 24.JUN.2025 20:31:27

Highest Band Edge / 1 RB



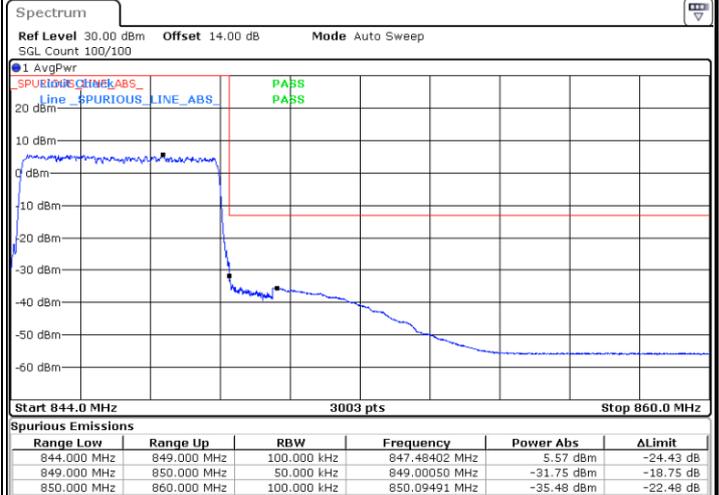
Date: 24.JUN.2025 20:40:21

Lowest Band Edge / Full RB



Date: 24.JUN.2025 20:34:14

Highest Band Edge / Full RB

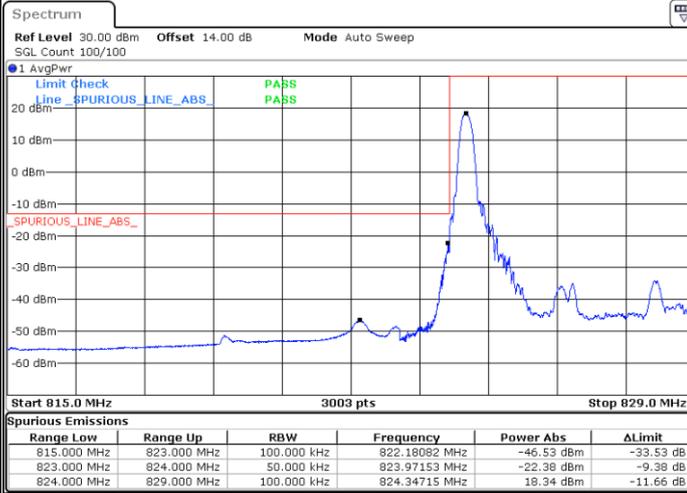


Date: 24.JUN.2025 20:43:08



LTE Band 26 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



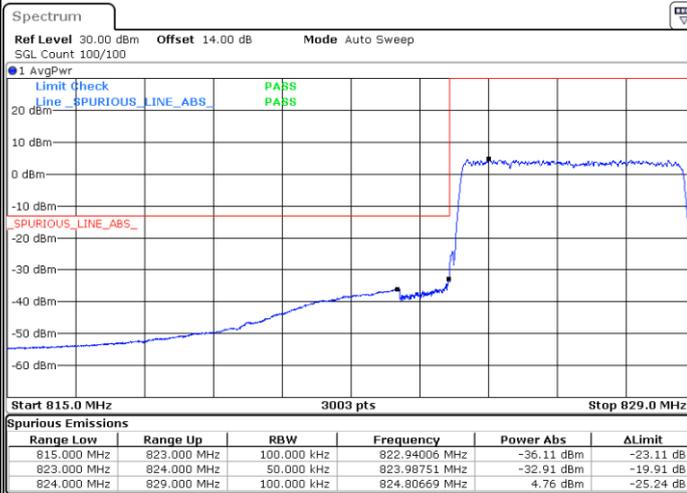
Date: 24. JUN. 2025 20:32:23

Highest Band Edge / 1 RB



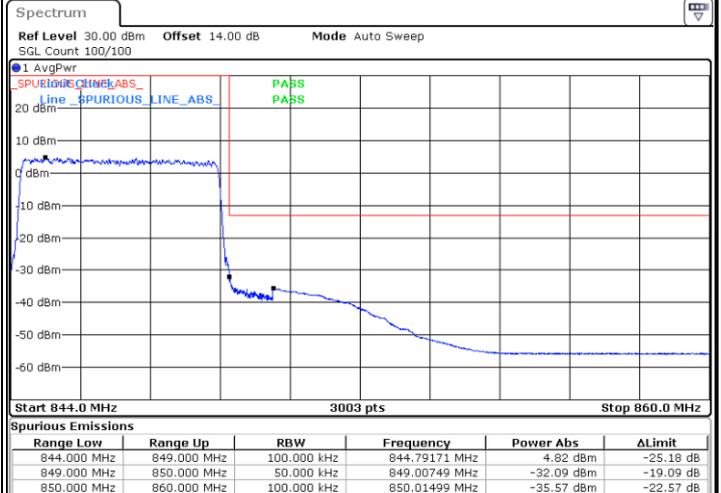
Date: 24. JUN. 2025 20:41:17

Lowest Band Edge / Full RB



Date: 24. JUN. 2025 20:33:18

Highest Band Edge / Full RB

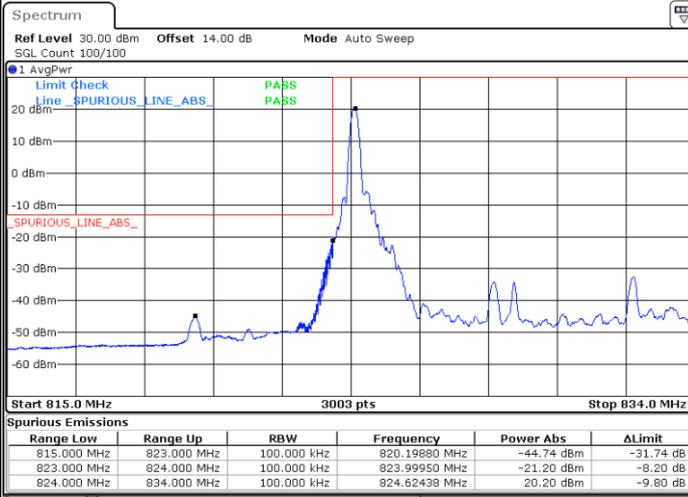


Date: 24. JUN. 2025 20:42:12



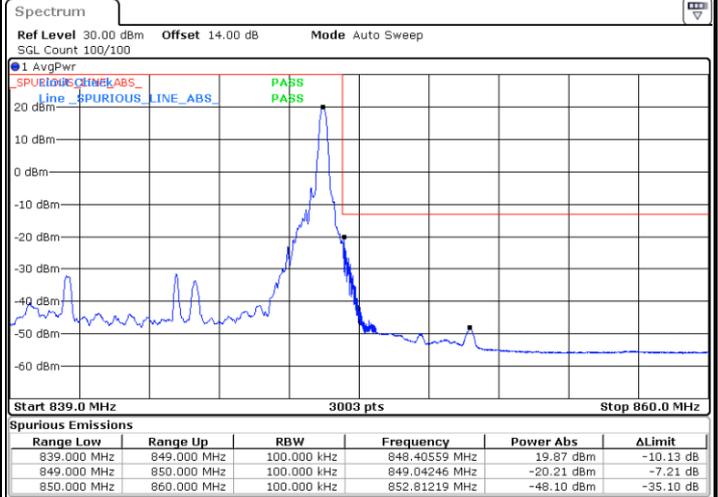
LTE Band 26 / 10MHz / QPSK

Lowest Band Edge / 1RB



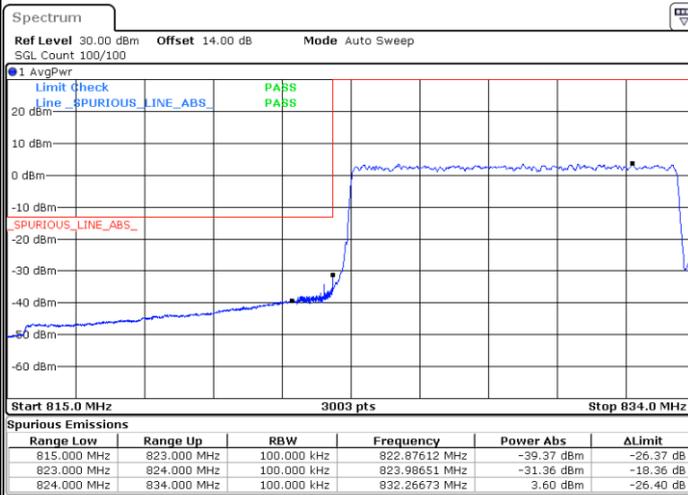
Date: 24.JUN.2025 20:46:41

Highest Band Edge / 1RB



Date: 24.JUN.2025 20:55:35

Lowest Band Edge / Full RB



Date: 24.JUN.2025 20:51:20

Highest Band Edge / Full RB

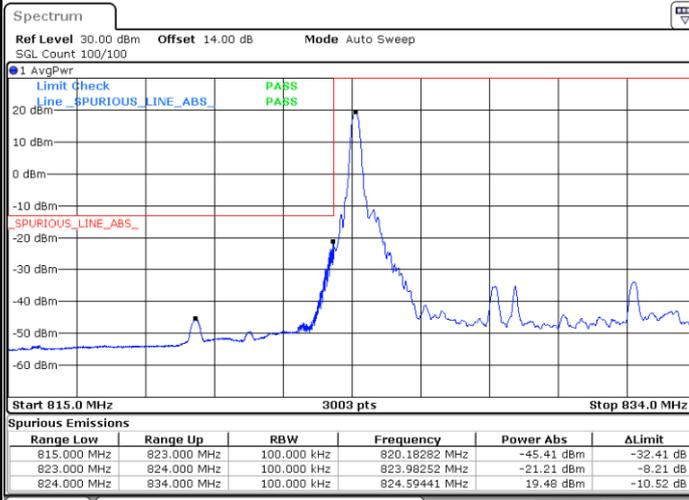


Date: 24.JUN.2025 21:00:12



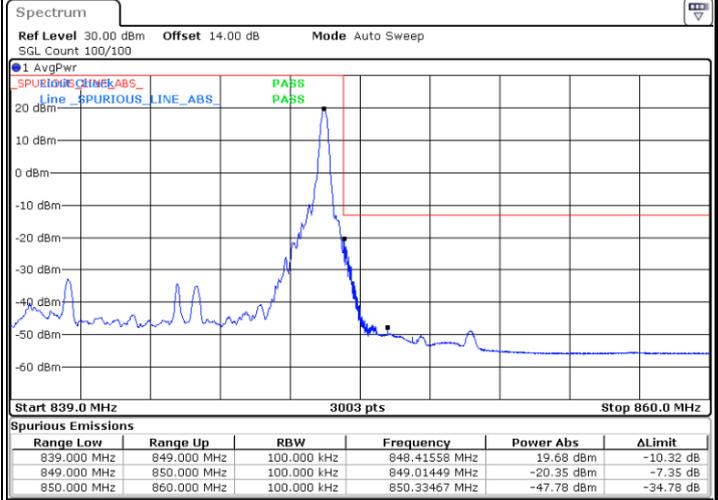
LTE Band 26 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



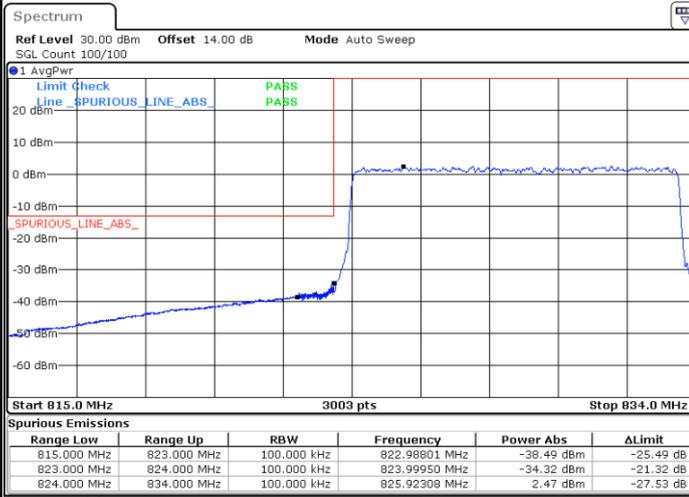
Date: 24. JUN. 2025 20:47:38

Highest Band Edge / 1 RB



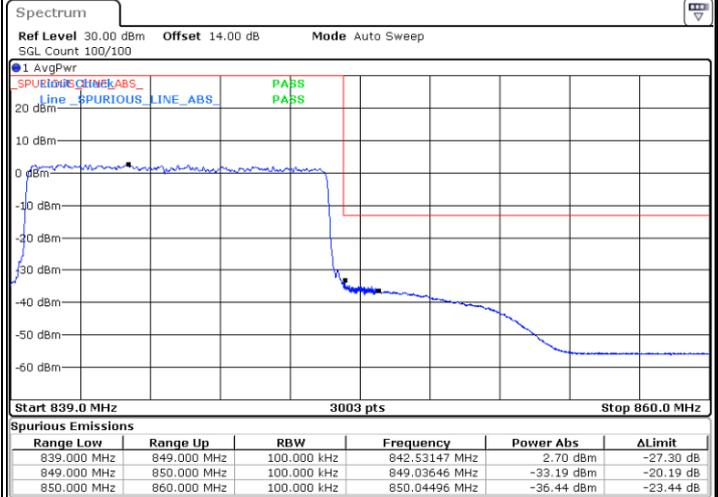
Date: 24. JUN. 2025 20:56:30

Lowest Band Edge / Full RB



Date: 24. JUN. 2025 20:50:24

Highest Band Edge / Full RB

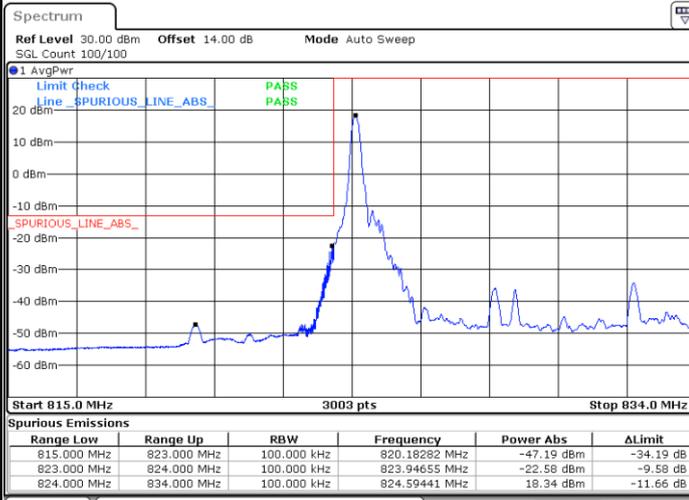


Date: 24. JUN. 2025 20:59:17



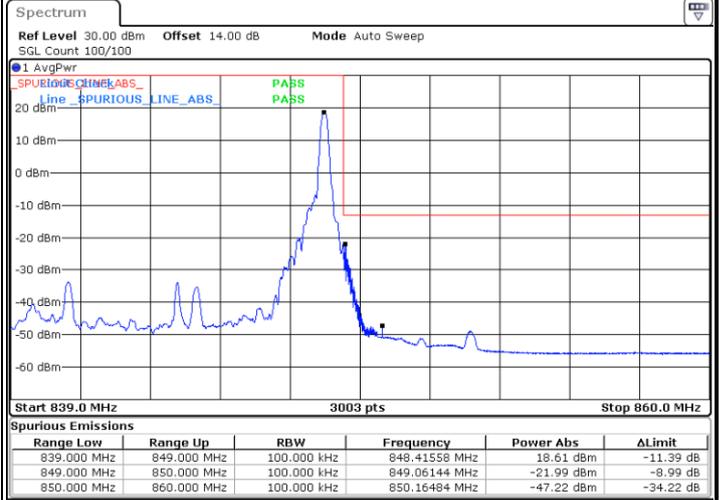
LTE Band 26 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



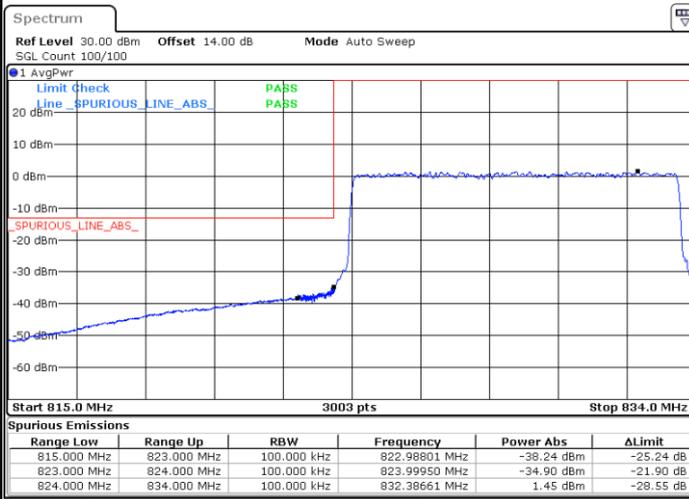
Date: 24. JUN. 2025 20:48:33

Highest Band Edge / 1 RB



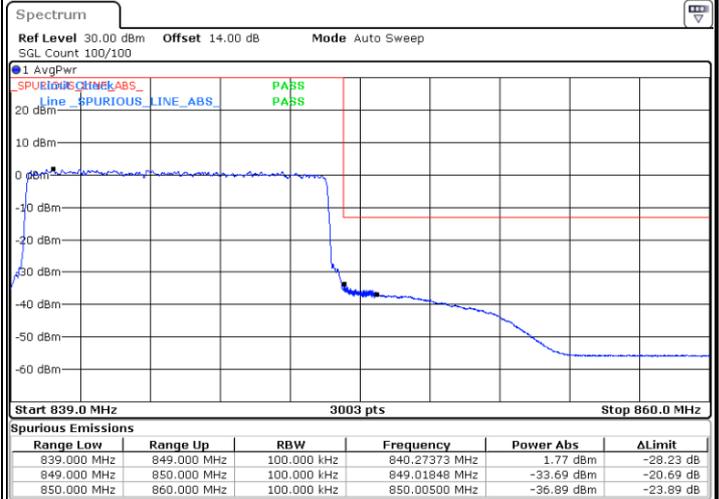
Date: 24. JUN. 2025 20:57:26

Lowest Band Edge / Full RB



Date: 24. JUN. 2025 20:49:29

Highest Band Edge / Full RB

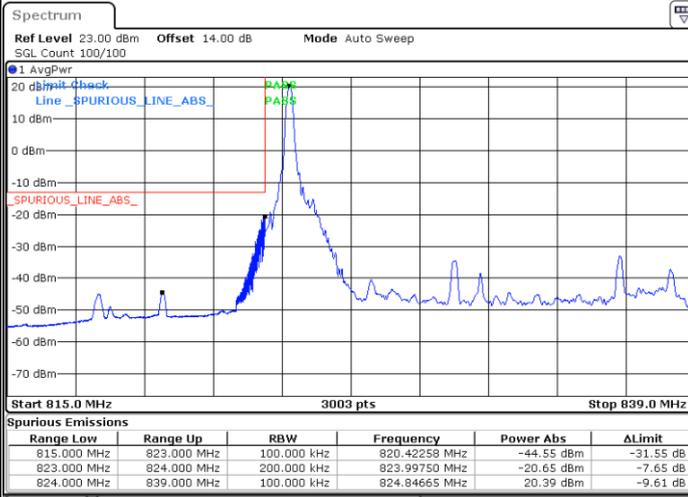


Date: 24. JUN. 2025 20:58:21



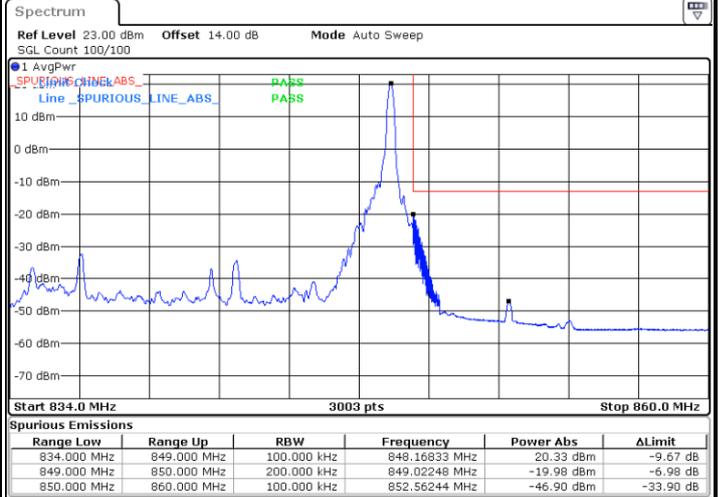
LTE Band 26 / 15MHz / QPSK

Lowest Band Edge / 1RB



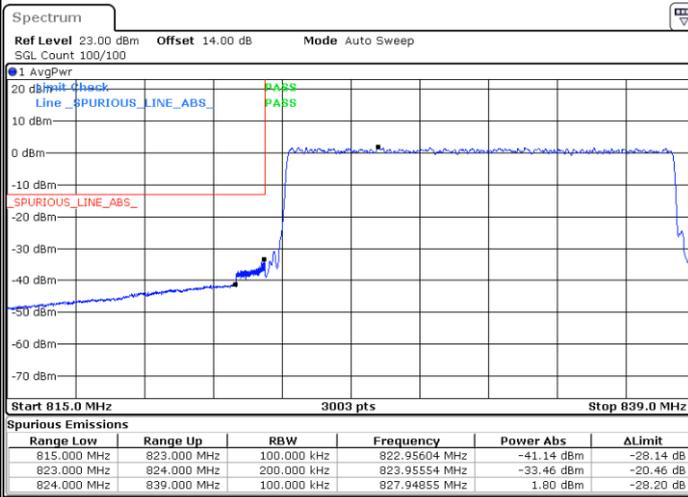
Date: 24.JUN.2025 21:02:50

Highest Band Edge / 1RB



Date: 24.JUN.2025 21:13:00

Lowest Band Edge / Full RB



Date: 24.JUN.2025 21:07:25

Highest Band Edge / Full RB

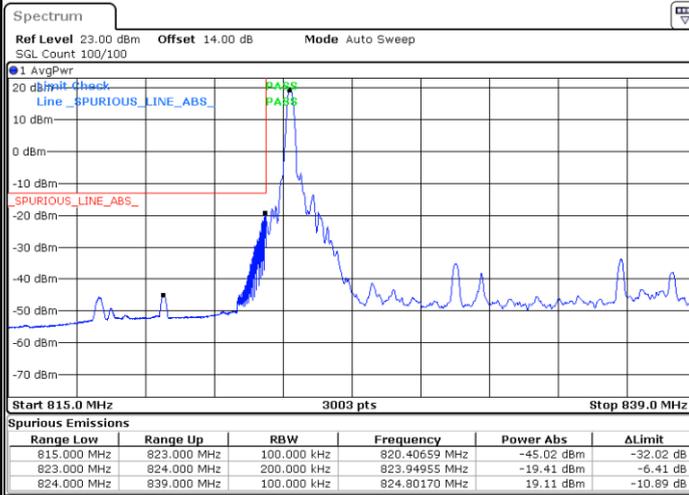


Date: 24.JUN.2025 21:17:38



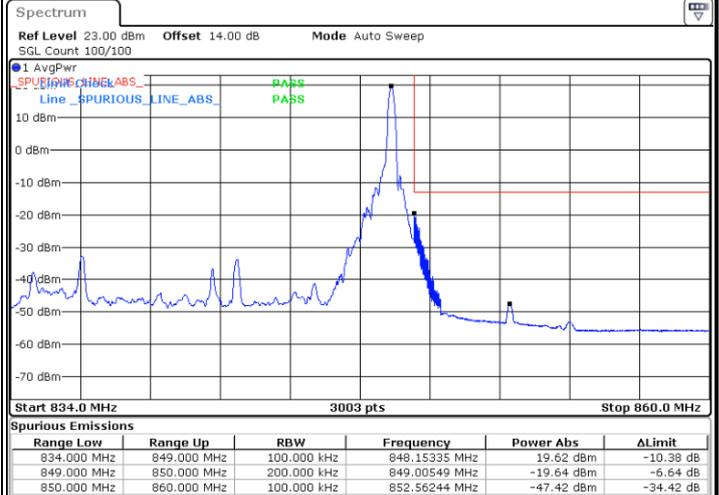
LTE Band 26 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



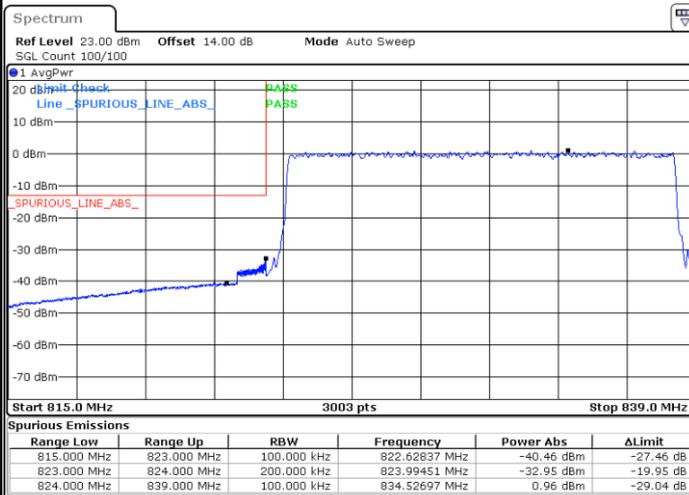
Date: 24.JUN.2025 21:03:46

Highest Band Edge / 1 RB



Date: 24.JUN.2025 21:13:56

Lowest Band Edge / Full RB



Date: 24.JUN.2025 21:06:30

Highest Band Edge / Full RB

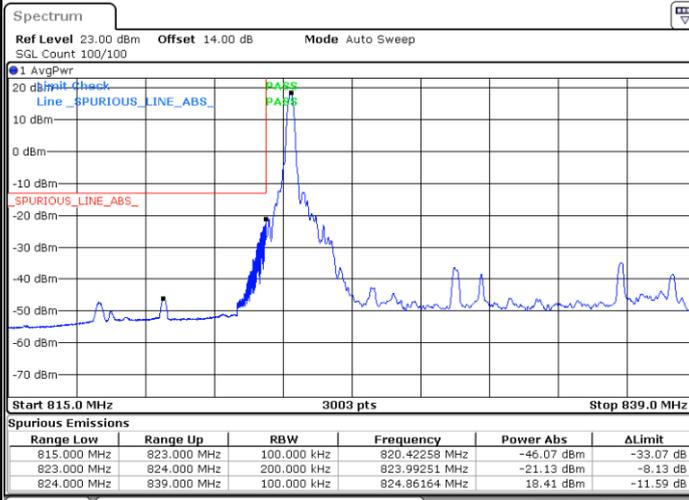


Date: 24.JUN.2025 21:16:42



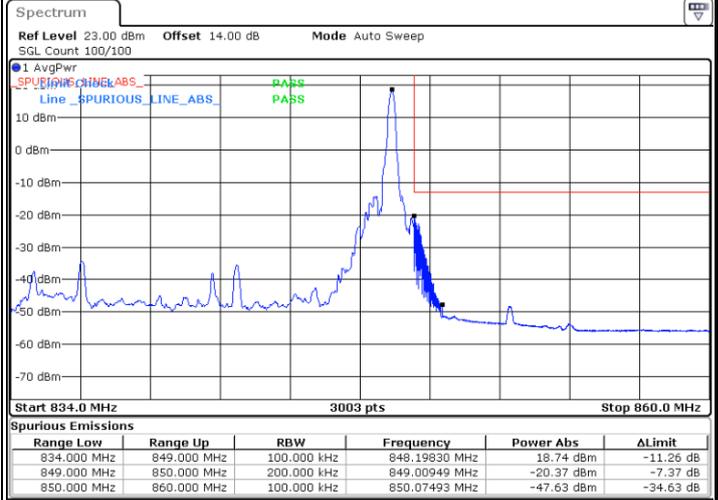
LTE Band 26 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



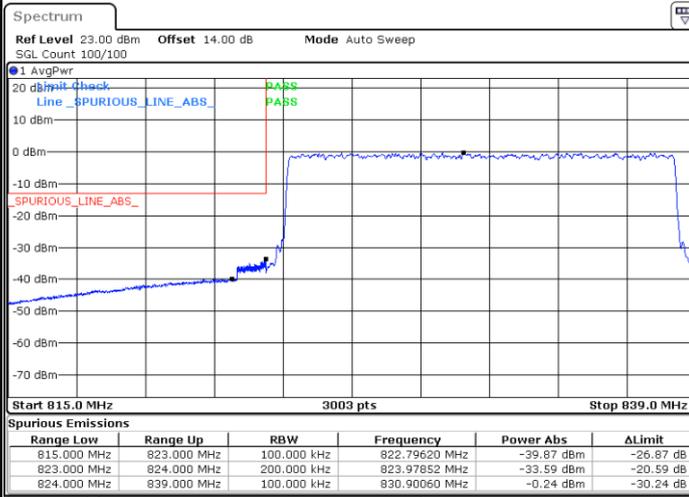
Date: 24.JUN.2025 21:04:41

Highest Band Edge / 1 RB



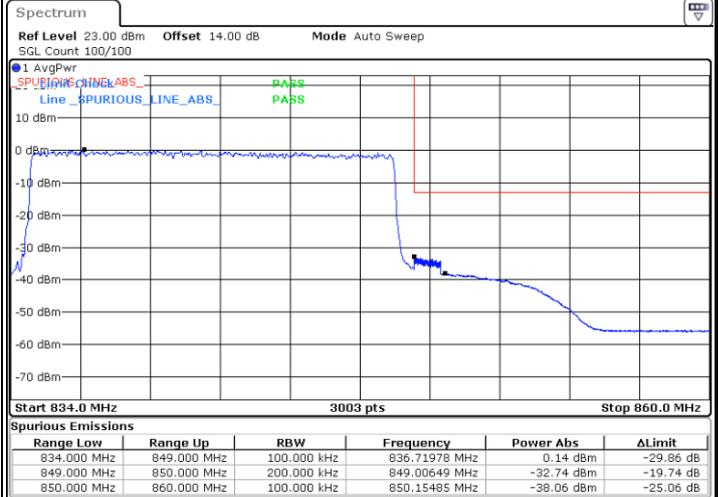
Date: 24.JUN.2025 21:14:51

Lowest Band Edge / Full RB



Date: 24.JUN.2025 21:05:35

Highest Band Edge / Full RB



Date: 24.JUN.2025 21:15:47

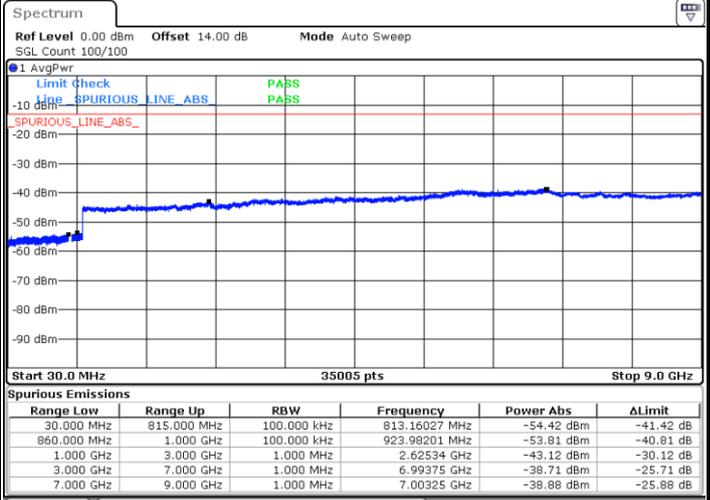
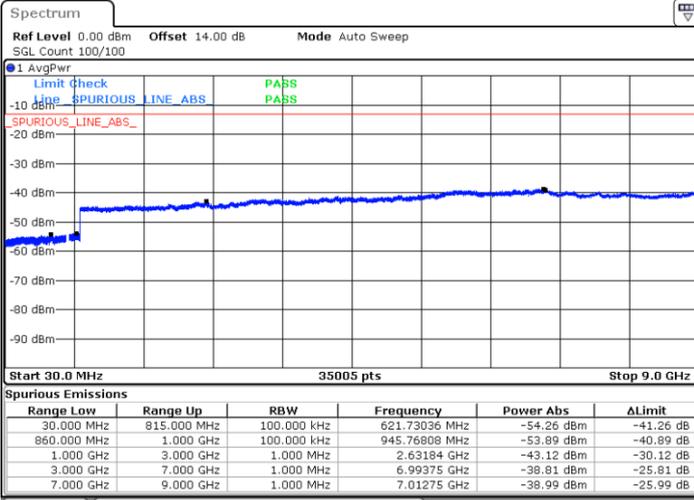


Conducted Spurious Emission

LTE Band 26 / 1.4MHz

Lowest Channel / QPSK

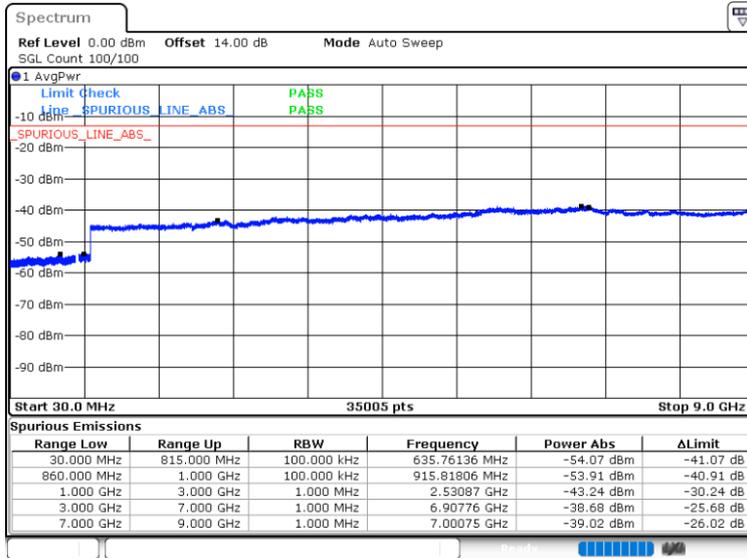
Middle Channel / QPSK



Date: 24. JUN. 2025 20:03:50

Date: 24. JUN. 2025 20:04:49

Highest Channel / QPSK



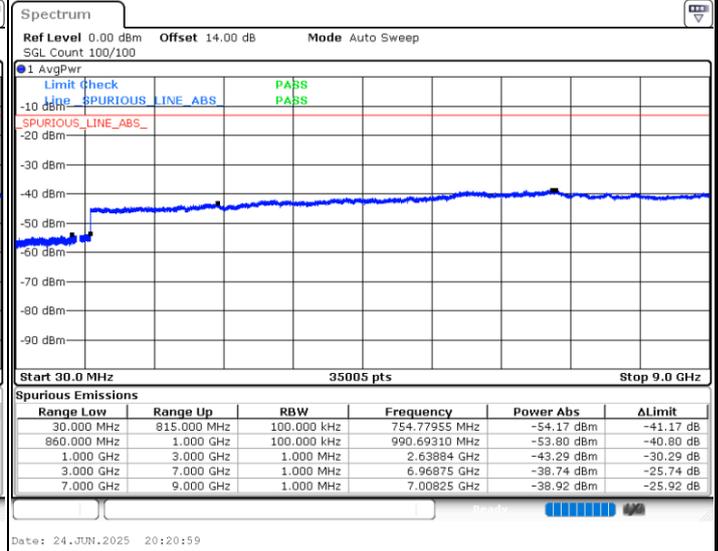
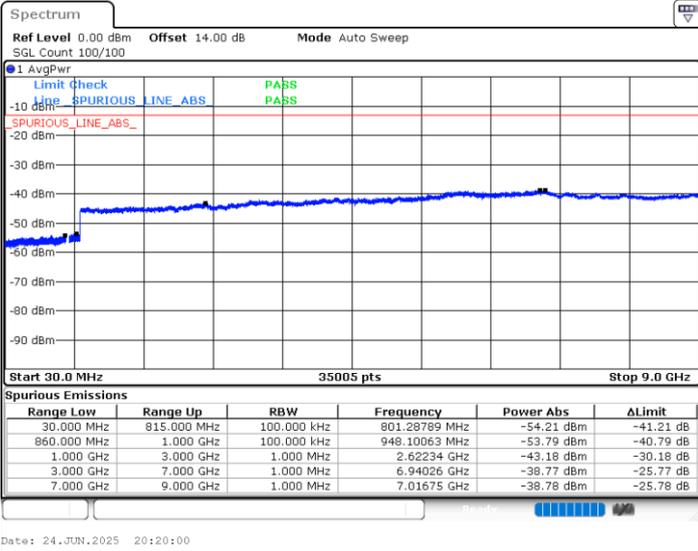
Date: 24. JUN. 2025 20:12:43



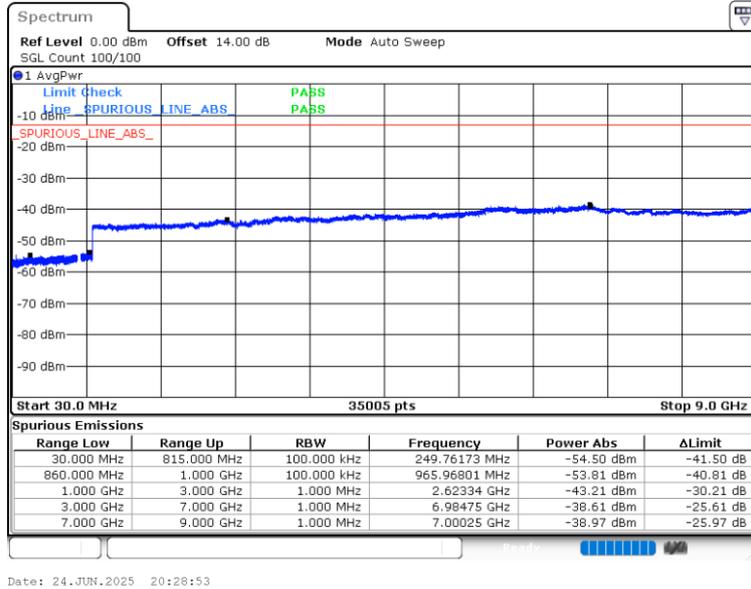
LTE Band 26 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

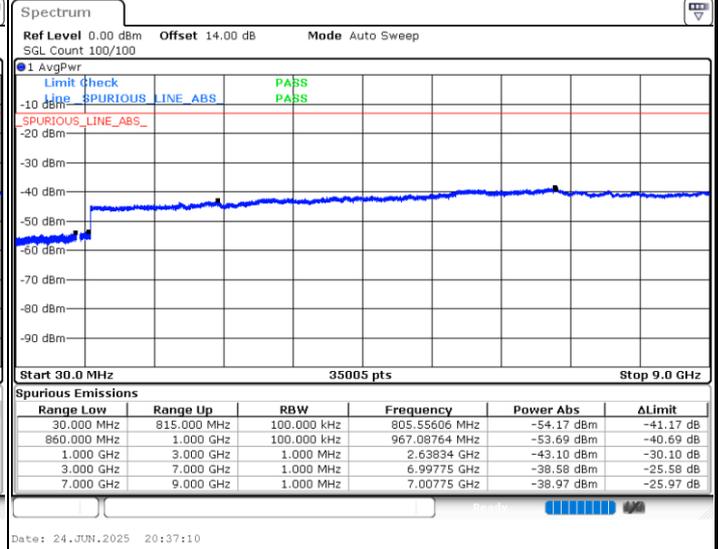
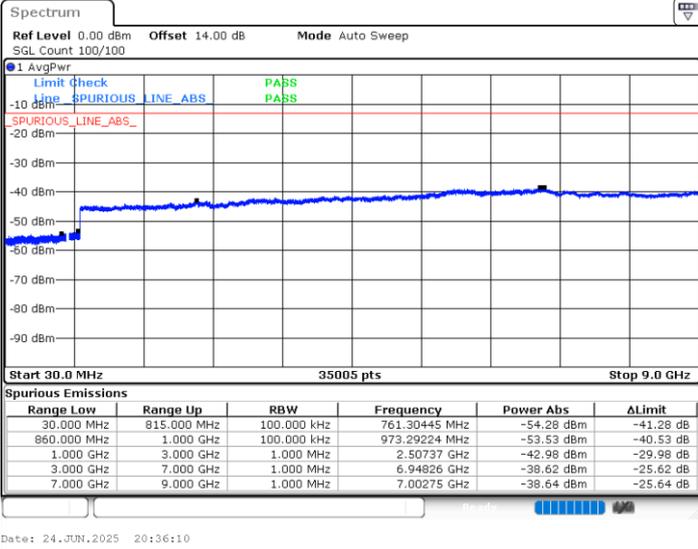




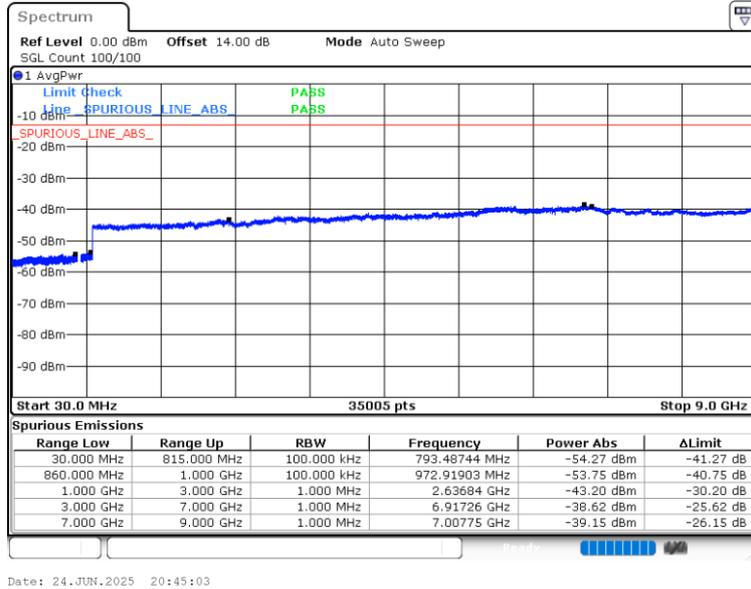
LTE Band 26 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

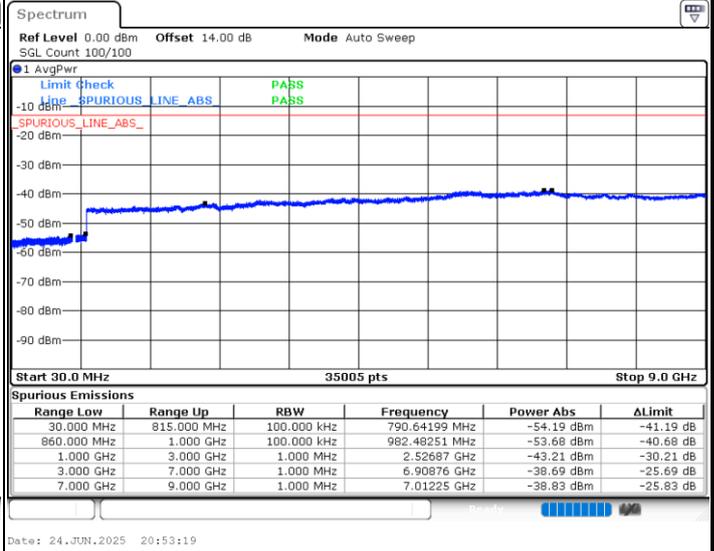
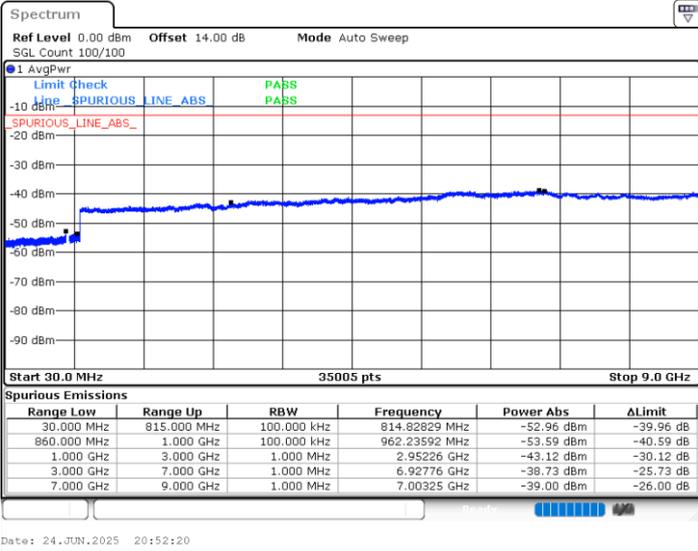




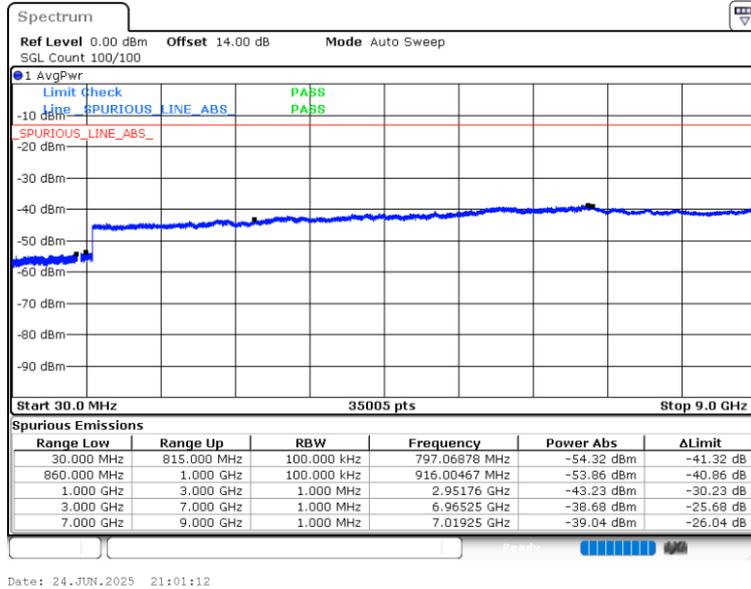
LTE Band 26 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

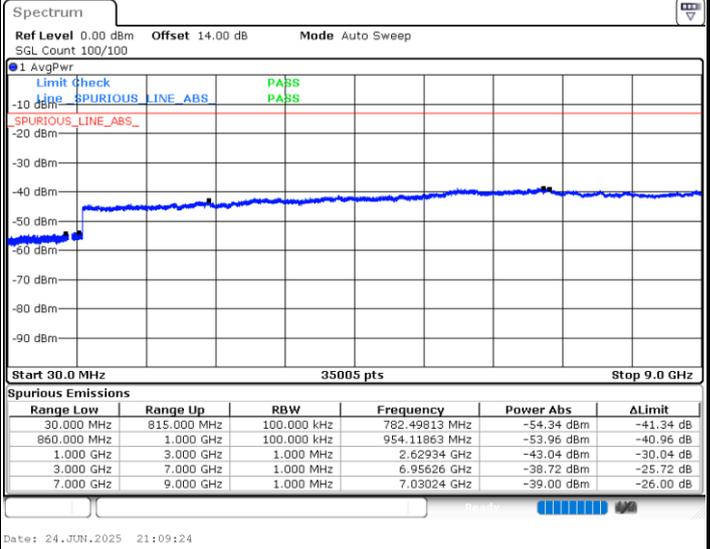
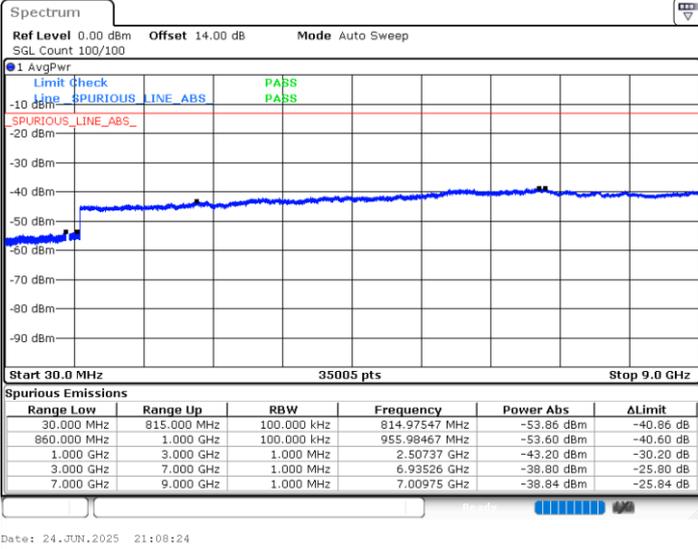




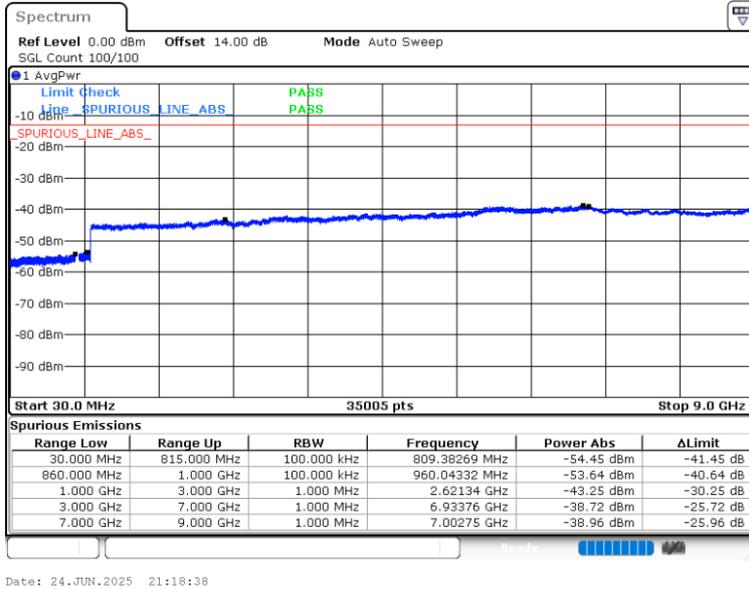
LTE Band 26 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK





Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	≤2.5ppm.
		Deviation (ppm)	Result
50	Normal Voltage	0.0004	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0018	
-10	Normal Voltage	0.0017	
-20	Normal Voltage	0.0016	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0003	

Note:

1. Normal Voltage = 3.91 V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage = 4.5 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Liangping Zhou	Temperature :	22~25°C
		Relative Humidity :	48~52%

LTE Band 26 / 15MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1659.5	-64.98	-13	-51.98	-74.54	-68.23	4.00	9.40	H
	2489.25	-62.30	-13	-49.30	-76.14	-65.87	4.88	10.60	H
	3319	-61.92	-13	-48.92	-77.84	-66.85	5.52	12.60	H
	1659.5	-65.26	-13	-52.26	-74.42	-68.51	4.00	9.40	V
	2489.25	-62.02	-13	-49.02	-75.82	-65.59	4.88	10.60	V
	3319	-62.56	-13	-49.56	-78.26	-67.49	5.52	12.60	V

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