



Spot Check Evaluation

APPLICANT : Motorola Mobility LLC
EQUIPMENT : Mobile Cellular Phone
BRAND NAME : Motorola
MODEL NAME : XT2527-2
FCC ID : IHDT56AV4
STANDARD : 47 CFR Part 22(H), 24(E), 27(M), 27(Q), 90(S)
47 CFR Part 15 Subpart C §15.225
47 CFR Part 15 Subpart C §15.247
47 CFR Part 15 Subpart E §15.407
TEST DATE(S) : Apr. 05, 2025 ~ Apr. 27, 2025

We, Sporton International Inc. (Kunshan), would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

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

Jason Jia

Approved by: Jason Jia



Sporton International Inc. (Kunshan)

**No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300
People's Republic of China**



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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG530724-01D	Rev. 01	Initial issue of report	Apr. 30, 2025

Conformity Assessment Condition:

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

Disclaimer:

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



1 General Description

1.1 Applicant

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	XT2527-2
FCC ID	IHDT56AV4
IMEI Code	Conducted/DFS: 258674600017032/258674600017040 Radiation: 358674600016810/358674600016828 Conduction: 358674600016612/358674600016620
HW Version	DVT2
SW Version	V2VN35.50
EUT Stage	Identical Prototype

Remark: The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

1.4 Modification of EUT

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

1.5 Testing Site

Sporton International Inc. (Kunshan) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

Test Firm	Sporton International Inc. (Kunshan)		
Test Site Location	No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	TH01-KS DFS01-KS	CN1257	314309

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

Test Firm	Sporton International Inc. (Shenzhen)		
Test Site Location	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City, Guangdong Province 518103 People's Republic of China TEL: +86-755-86066985		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	CO02-SZ 03CH02-SZ 03CH03-SZ 03CH05-SZ	CN1256	421272

1.6 Test Software

Item	Site	Manufacturer	Name	Version
1.	TH01-KS	SPORTON	FCC 15C-15E Test Tools Ver10.0_210607	10.0
2.	DFS01-KS	Sporton	Test Tools	1.0
3.	03CH02-SZ	AUDIX	E3	6.2009-8-24a
4.	03CH03-SZ	AUDIX	E3	6.2009-8-24
5.	03CH05-SZ	AUDIX	E3	6.2009-8-24a1
6.	CO02-SZ	AUDIX	E3	6.120613b

1.7 Applicable Standards

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

- FCC KDB 484596 D01 Referencing Test Data v02r03
- 47 CFR Part 22(H), 24(E), 27(M), 27(Q), 90(S)
- 47 CFR Part 15 Subpart C §15.225
- 47 CFR Part 15 Subpart C §15.247
- 47 CFR Part 15 Subpart E §15.407
- ANSI C63.10-2013
- ANSI C63.26-2015

1.8 Specification of Accessory

Specification of Accessory				
AC Adapter 1(US)	Brand Name	Motorola(Salcomp)	Model Name	MC-331L
AC Adapter 1(EU)	Brand Name	Motorola(Salcomp)	Model Name	MC-332L
AC Adapter 1(UK)	Brand Name	Motorola(Salcomp)	Model Name	MC-333L
AC Adapter 1(AU)	Brand Name	Motorola(Salcomp)	Model Name	MC-335L
AC Adapter 1(AR)	Brand Name	Motorola(Salcomp)	Model Name	MC-336L
AC Adapter 1(BR)	Brand Name	Motorola(Salcomp)	Model Name	MC-337L
AC Adapter 2(US)	Brand Name	Motorola(Chenyang)	Model Name	MC-331L
AC Adapter 2(EU)	Brand Name	Motorola(Chenyang)	Model Name	MC-332L
AC Adapter 2(UK)	Brand Name	Motorola(Chenyang)	Model Name	MC-333L
AC Adapter 2(AR)	Brand Name	Motorola(Chenyang)	Model Name	MC-336L
AC Adapter 2(BR)	Brand Name	Motorola(Chenyang)	Model Name	MC-337L
Battery 1	Brand Name	Motorola(NVT)	Model Name	RA52
Battery 2	Brand Name	Motorola(SUNWODA)	Model Name	RA52
USB Cable 1	Brand Name	Motorola(Washin)	Model Name	HX-ZN-34
USB Cable 2	Brand Name	Motorola(Juwei)	Model Name	JWUB1928-ZN01H
Earphone	Brand Name	Motorola (Juwei)	Model Name	ZN80400118H001



2 Re-use of Measured Data

2.1 Introduction Section

This application re-uses data collected on a similar device. The subject device of this application (Model: XT2527-2, FCC ID: IHDT56AV4) is electrically identical to the reference device (Model: XT2527-1, FCC ID: IHDT56AV5) for the portions of the circuitry corresponding to the data being re-used, following the FCC KDB 484596 D01 Referencing Test Data v02r03.

ECR Data Referencing Inquiry has been approved by FCC, and the data referencing and spot check test plan includes RF/EMC, the details are presented in section 2.3 of this report, and for SAR Reference detail, please refer to FCC SAR report FA530724-01.

The criteria set in section 3 of KDB 484596 D01 v02r03 is followed to determine whether the data referencing is justified. For SAR, the higher between the referenced value and the spot check value is used to determine compliance in both standalone and simultaneous transmission conditions

The applicant takes full responsibility that the test data as referenced in this report represent compliance for this FCC ID: IHDT56AV4 .

2.2 Model Difference Information

The **main** difference between FCC ID: IHDT56AV5 and FCC ID: IHDT56AV4 is as below:

- Remove WCDMA B4, LTE B4/12/13/17/25/66 and 5G NR n2/n66.
- Add LTE B20/32/71/38C/41C and 5G NR n8/n20/n71.
- B41/B41C/n77/n78 Enable PC2 by software.
- Add NSA mode for 5G NR n5/n77.

Other differences and all the details of similarity and difference can be found in the confidential documents (IHDT56AV4 Operational Description of Product Equality Declaration).



2.3 Reference detail Section:

Rule Part	Equipment Class	Frequency Band (MHz)	Reference FCC ID (Parent)	Reference on test	Reference Title	FCC ID Filling (Variant)	Test on the variant	Data Referencing (Y/N)
15C	DSS (BR/EDR)	2400~2483.5	IHDT56AV5	Full test	FR530724A	IHDT56AV4	Spot check	Y, All test items
	DTS (BLE)	2400~2483.5	IHDT56AV5	Full test	FR530724B	IHDT56AV4	Spot check	Y, All test items
	DTS (WLAN)	2400~2483.5	IHDT56AV5	Full test	FR530724C	IHDT56AV4	Spot check	Y, All test items
	DXX (NFC)	13.56	IHDT56AV5	Full test	FR530724D	IHDT56AV4	Spot check	Y, All test items
15E	U-NII	5180~5240	IHDT56AV5	Full test	FR530724E	IHDT56AV4	Spot check	Y, All test items
		5260~5320	IHDT56AV5	Full test	FR530724E	IHDT56AV4	Spot check	Y, All test items
		5500~5720	IHDT56AV5	Full test	FR530724E	IHDT56AV4	Spot check	Y, All test items
		5745~5825	IHDT56AV5	Full test	FR530724E	IHDT56AV4	Spot check	Y, All test items
		5260~5320 5500~5720	IHDT56AV5	Full test	FZ530724	IHDT56AV4	Spot check	Y, All test items
22, 24, 27, 90,	PCE (GSM)	GSM 850/1900	IHDT56AV5	Full test	FG530724A	IHDT56AV4	Spot check	Y, All test items
	PCE (WCDMA)	Band II, V	IHDT56AV5	Full test	FG530724A	IHDT56AV4	Spot check	Y, All test items
	PCE (LTE)	B5/26/7/7C/42	IHDT56AV5	Full test	FG530724B FG530724C FG530724E FG530724F	IHDT56AV4	Spot check	Y, All test items
	PCE (LTE)	B26 (90S)	IHDT56AV5	Full test	FG530724D	IHDT56AV4	Spot check	Y, All test items
	PCE (LTE)	B2/38/38C/41/41C/71	-	-	-	-	-	N

Y: Pointer to spot-check exhibit; N: Pointer to full test exhibit

Remark: All 5G NR spot check or full test bands are not included in this report and will be issued separately.

2.4 Spot Check Verification Data Section

All test items test against the variant model based on the worst-case condition from the original model was performed in this filing to demonstrate the test data from original model remains representative for the variant model.

All test procedures follow the related section of parent report.

Spot-check measurements, while being always compliant with the applicable rule part(s) for the test under consideration, show a deviation d_{dB} from the reference data no larger than 3 dB:

$$d_{dB} = |V_{dB} - R_{dB}| \leq 3 \text{ dB} \quad (1)$$

V_{dB} , the variant spot-check level

R_{dB} , the corresponding measurement level for the reference model

An alternative to the limit of eq. (1) is available, and is based on considering how far the reference data R_{dB} is from the compliance threshold C_{dB} (also expressed in dB), for the particular test under consideration. In this case, if $M_{dB} = |C_{dB} - R_{dB}|$ is the margin in dB from the compliance limit, a spot check may be considered acceptable when the deviation d_{dB} from the reference data satisfies the following condition:

$$d_{dB} = |V_{dB} - R_{dB}| \leq (3 + M_{dB} / 20) \text{ dB} , \text{ for } 0 \leq M_{dB} \leq 60 \text{ dB} \quad (2)$$

$$d_{dB} = |V_{dB} - R_{dB}| = 6 \text{ dB} , \text{ for } M_{dB} > 60 \text{ dB}$$

where “| |” is the absolute value of the measured quantity.

When using the option in eq. (2), d_{dB} increases linearly from 3 dB to 6 dB.

Summary for spot check for each rule entry and technology is listed as below:

Mode	Test Item	IHDT56AV5 Parent Worst mode Test Result	IHDT56AV4 Variant Check Test Result	Deviation (dB)	Deviation Limit (dB)
BT 1Mbps (CH78)	Number of Channels	79	79	0	3
	Hopping Channel Separation	0.991	0.998	0.007	3
	Dwell Time of Each Channel	0.31	0.31	0	3
	20dB Bandwidth	0.86	0.86	0	3
	99% Bandwidth	0.758	0.758	0	3
	Conducted Band Edges	-46.95	-46.67	0.28	3
	Conducted Spurious Emission	-36.21	-36.45	0.24	3
BT 1Mbps (CH78)	Radiated Band Edges and Radiated Spurious Emission	46.35	46.95	0.6	3
BT	AC Conducted Emission	7.98	8.08	0.1	3
BLE 2Mbps (CH38)	6dB Bandwidth	1.18	1.17	0.01	3
	99% Bandwidth	2.054	2.054	0	3
	Power Spectral Density	-5	-5.08	0.08	3
	Conducted Band Edges	-46.83	-47.02	0.19	3
	Conducted Spurious Emission	-35.82	-35.51	0.31	3
BLE 2Mbps (CH39)	Radiated Band Edges and Spurious Emission	41.54	41.29	0.25	3
BLE	AC Conducted Emission	7.98	8.08	0.1	3
WIFI 2.4G	6dB Bandwidth	17.24	17.96	0.72	3



(802.11ax20 CH01)	99% Bandwidth	19.341	19.5	0.159	3
	Power Spectral Density	-7.83	-8.05	0.22	3
	Conducted Band Edges	-18.38	-18.82	0.44	3
	Conducted Spurious Emission	-36.09	-35.22	0.87	3
WIFI 2.4G (802.11g CH11)	Radiated Band Edges and Spurious Emission	50.75	49.21	1.54	3
WIFI 2.4G	AC Conducted Emission	7.98	8.08	0.1	3
FCC-WIFI 5G (802.11ax20 CH149)	26dB Bandwidth	29	28.06	0.94	3
FCC-WIFI 5G (802.11ax20 CH149)	99% Bandwidth	19.341	19.295	0.046	3
FCC-WIFI 5G (802.11ax20 CH149)	Power Spectral Density	3.98	3.93	0.05	3
FCC-WIFI 5G (802.11ax20 CH149)	Unwanted Emissions	17.52	18.14	0.62	3
WIFI 5G (802.11ax HE80 CH106)	DFS	0.91522	0.830828	0.084392	3
5G WIFI 11ax HE20_CH64	Radiated Band Edges and Spurious Emission	50.65	50.01	0.64	3
WIFI 5G	AC Conducted Emission	8.68	9.38	0.7	3
NFC	20dB Emission Bandwidth (MHz)	2.48	2.48	0	3
	99% Occupied Bandwidth (MHz)	2.10	2.11	0.01	3
	Frequency Stability	-0.5531	-0.5045	0.0486	3
	Field Strength of Fundamental (dBuV/m)	55.24	55.48	0.24	3
	Radiated Spurious Emissions (dBuV/m)	36.16	33.85	2.31	3
	AC Power Line Conducted Emissions(dBuV)	9.75	8.40	1.35	3
Part 22/24/27/90 (LTE Band 7C)	Equivalent Isotropic Radiated Power	20.47	20.15	0.32	3
	Peak-to-Average Ratio	6.41	6.22	0.19	3
	Occupied Bandwidth	28.77	28.89	0.12	3
	Conducted Band Edge	-26.22	-27.35	1.13	3
	Conducted Spurious Emission	-51.75	-53.16	1.41	3
Part 22/24/27/90 (GSM 850)	Frequency Stability	0.0012	0.0027	0.0015	3
	Radiated Spurious Emission	-34.48	-32.78	1.7	3



Test Item	Mode	IHDT56AV5 Parent Worst mode Test Result	IHDT56AV4 Variant Check Test Result	Deviation (dB)	Deviation Limit (dB)
Conducted Power (dBm)	BT BR/EDR	16.74	15.87	0.87	3
	BLE 1Mbps	11.92	11.67	0.25	3
	BLE 2Mbps	11.96	11.64	0.32	3
	11b, 2.4GHz	18.51	18.18	0.33	3
	11g, 2.4GHz	18.57	18.47	0.10	3
	11n HT20, 2.4GHz	18.59	18.25	0.34	3
	11n HT40, 2.4GHz	16.86	16.59	0.33	3
	11ax HE20, 2.4GHz	18.69	18.50	0.19	3
	11ax HE40, 2.4GHz	17.05	17.59	0.54	3
	11a, 5.2GHz	18.24	18.21	0.03	3
	11a, 5.3GHz	18.30	18.26	0.04	3
	11a, 5.5GHz	18.01	17.96	0.05	3
	11a, 5.8GHz	17.92	17.86	0.06	3
	11n HT20, 5.2GHz	18.07	17.92	0.15	3
	11n HT20, 5.3GHz	18.27	18.11	0.16	3
	11n HT20, 5.5GHz	18.08	17.97	0.11	3
	11n HT20, 5.8GHz	17.81	17.61	0.20	3
	11ac VHT20, 5.2GHz	18.12	18.04	0.08	3
	11ac VHT20, 5.3GHz	18.34	18.21	0.13	3
	11ac VHT20, 5.5GHz	18.12	18.03	0.09	3
	11ac VHT20, 5.8GHz	17.88	17.81	0.07	3
	11ax HE20, 5.2GHz	18.23	18.18	0.05	3
	11ax HE20, 5.3GHz	18.41	18.36	0.05	3
	11ax HE20, 5.5GHz	18.21	18.18	0.03	3
	11ax HE20, 5.8GHz	17.97	17.93	0.04	3
	11n HT40, 5.2GHz	17.29	17.21	0.08	3
	11n HT40, 5.3GHz	17.70	17.62	0.08	3
	11n HT40, 5.5GHz	17.19	17.07	0.12	3
	11n HT40, 5.8GHz	17.18	17.12	0.06	3
	11ac VHT40, 5.2GHz	17.36	17.35	0.01	3
	11ac VHT40, 5.3GHz	17.73	17.71	0.02	3
	11ac VHT40, 5.5GHz	17.25	17.21	0.04	3
	11ac VHT40, 5.8GHz	17.24	17.22	0.02	3
	11ax HE40, 5.2GHz	17.47	17.41	0.06	3
	11ax HE40, 5.3GHz	17.82	17.77	0.05	3
	11ax HE40, 5.5GHz	17.37	17.34	0.03	3
	11ax HE40, 5.8GHz	17.34	17.30	0.04	3
	11ac VHT80, 5.2GHz	16.33	16.26	0.07	3
	11ac VHT80, 5.3GHz	16.46	16.30	0.16	3
	11ac VHT80, 5.5GHz	16.27	16.23	0.04	3
	11ac VHT80, 5.8GHz	16.20	16.19	0.01	3
	11ax HE80, 5.2GHz	16.43	16.38	0.05	3
	11ax HE80, 5.3GHz	16.58	16.55	0.03	3
	11ax HE80, 5.5GHz	16.38	16.34	0.04	3
	11ax HE80, 5.8GHz	16.33	16.30	0.03	3
	GSM 850	31.76	31.65	0.11	3
	GSM 1900	28.52	28.24	0.28	3
	WCDMA 850	22.58	22.53	0.05	3
	WCDMA 1900	22.70	22.65	0.05	3
	LTE B5	22.59	22.49	0.1	3
	LTE B26	22.65	22.54	0.11	3



	LTE B26-90S	22.81	22.48	0.33	3
	LTE B7	22.84	22.72	0.12	3
	LTE B42	23.04	22.92	0.12	3
	LTE B7C	22.77	22.45	0.32	3

Conclusion:

All test items test against the variant model based on the worst-case condition from the original model was performed in this filing to demonstrate the test data from original model remains representative for the variant model.

Based on the spot check test result, the test data from the original model is representative for the variant model. All spot check test data are shown within expected level compliant to limit line.

We are using power and ERP/EIRP measurements from the original parent model reports to list on the grant.

We confirm that the test data referencing policy of FCC KDB 484596 D01 Referencing Test Data v02r03 has been followed and the test data as referenced from the parent model report represents compliance with new FCC ID.



3 List of Measuring Equipment

For BT/WIFI:

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101040	10Hz~40GHz	Oct. 10, 2024	Apr. 23, 2025	Oct. 09, 2025	Conducted (TH01-KS)
Pulse Power Sensor	Anritsu	MA2411B	0917070	300MHz~40GHz	Jan. 02, 2025	Apr. 23, 2025	Jan. 01, 2026	Conducted (TH01-KS)
Power Meter	Anritsu	ML2495A	1005002	50MHz Bandwidth	Jan. 02, 2025	Apr. 23, 2025	Jan. 01, 2026	Conducted (TH01-KS)
EMI Test Receiver&SA	KEYSIGHT	N9038A	MY54450083	20Hz~8.4GHz	Apr. 08, 2025	Apr. 16, 2025	Apr. 07, 2026	Radiation (03CH03-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150246	10Hz~44GHz;	Apr. 08, 2025	Apr. 16, 2025	Apr. 07, 2026	Radiation (03CH03-SZ)
Loop Antenna	R&S	HFH2-Z2E	101141	9kHz~30MHz	Dec. 28, 2024	Apr. 16, 2025	Dec. 27, 2025	Radiation (03CH03-SZ)
Bilog Antenna	TeseQ	CBL6112D	35408	30MHz~2GHz	Aug. 20, 2023	Apr. 16, 2025	Aug. 19, 2025	Radiation (03CH03-SZ)
Double Ridge Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1355	1GHz~18GHz	Apr. 08, 2025	Apr. 16, 2025	Apr. 07, 2026	Radiation (03CH03-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 03, 2024	Apr. 16, 2025	Jul. 02, 2025	Radiation (03CH03-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18GHz~40GHz	Apr. 08, 2025	Apr. 16, 2025	Apr. 07, 2026	Radiation (03CH03-SZ)
Amplifier	Burgeon	BPA-530	102211	0.01Hz~3000MHz	Oct. 18, 2024	Apr. 16, 2025	Oct. 17, 2025	Radiation (03CH03-SZ)
HF Amplifier	MITEQ	AMF-7D-00101800-30-10P-R	1943528	1GHz~18GHz	Oct. 14, 2024	Apr. 16, 2025	Oct. 13, 2025	Radiation (03CH03-SZ)
Amplifier	Agilent Technologies	83017A	MY39501302	500MHz~26.5GHz	Dec. 27, 2023	Apr. 16, 2025	Dec. 26, 2024	Radiation (03CH03-SZ)
AC Power Source	Chroma	61601	616010002729	N/A	Oct. 18, 2024	Apr. 16, 2025	Oct. 17, 2025	Radiation (03CH03-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Apr. 16, 2025	NCR	Radiation (03CH03-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Apr. 16, 2025	NCR	Radiation (03CH03-SZ)
EMI Receiver	R&S	ESR7	102297	9kHz~7GHz;	Jul. 03, 2024	Apr. 17, 2025	Jul. 02, 2025	Conduction (CO02-SZ)
AC LISN	R&S	ENV216	101499	9kHz~30MHz	Jul. 03, 2024	Apr. 17, 2025	Jul. 02, 2025	Conduction (CO02-SZ)
AC Power Source	CHROMA	61601	616010002470	100Vac~250Vac	Dec. 25, 2024	Apr. 17, 2025	Dec. 24, 2025	Conduction (CO02-SZ)
Spectrum Analyzer	R&S	FSV7	101632	10Hz~7GHz	Jan. 03, 2025	Apr. 16, 2025	Jan. 02, 2026	Conducted (DFS01-KS)
Signal Generator	KEYSIGHT	N5182B	MY53050604	9KHz~6GHz	Apr. 17, 2024	Apr. 16, 2025	Apr. 16, 2025	Conducted (DFS01-KS)
Combiner	MTJ Cooperation	MTJ7112	N/A	0.4-6GHz	NCR	Apr. 16, 2025	NCR	Conducted (DFS01-KS)

NCR: No Calibration Required.

**For NFC:**

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EMI Test Receiver	R&S	ESR7	102261	9kHz~7GHz	Apr. 08, 2025	Apr. 23, 2025	Apr. 07, 2026	Radiation (03CH05-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010B	MY59071191	10Hz~44GHz	Apr. 08, 2025	Apr. 23, 2025	Apr. 07, 2026	Radiation (03CH05-SZ)
Loop Antenna	R&S	HFH2-Z2E	101141	9kHz~30MHz	Dec. 28, 2024	Apr. 23, 2025	Dec. 27, 2025	Radiation (03CH05-SZ)
Log-periodic Antenna	SCHWARZBECK	VULB 9168	01001	20MHz~1.5GHz	Jul. 08, 2024	Apr. 23, 2025	Jul. 07, 2025	Radiation (03CH05-SZ)
Amplifier	EM Electronics	EM330	060756	0.01Hz~3000MHz	Apr. 08, 2025	Apr. 23, 2025	Apr. 07, 2026	Radiation (03CH05-SZ)
AC Power Source	APC	AFV-S-600	F119050013	N/A	Oct. 14, 2024	Apr. 23, 2025	Oct. 13, 2025	Radiation (03CH05-SZ)
Turn Table	EMEC	T-200-S-1	060925-T	0~360 degree	NCR	Apr. 23, 2025	NCR	Radiation (03CH05-SZ)
Antenna Mast	EMEC	MBS-400-1	060927	1 m~4 m	NCR	Apr. 23, 2025	NCR	Radiation (03CH05-SZ)
Spectrum Analyzer	R&S	FSV40	101040	10Hz~40GHz	Oct. 10, 2024	Apr. 23, 2025	Oct. 09, 2025	Conducted (TH01-KS)
DC Power Supply	GW INSTEK	PLR36-10	GET220683	Max 20A, 36V	Jan. 02, 2025	Apr. 23, 2025	Jan. 01, 2026	Conducted (TH01-KS)
Temperature & humidity chamber	Hongzhan	LP-150U	H2014011440	-40~+150°C 20%~95%RH	Jul. 04, 2024	Apr. 23, 2025	Jul. 03, 2025	Conducted (TH01-KS)
EMI Receiver	R&S	ESR7	102297	9kHz~7GHz;	Jul. 03, 2024	Apr. 17, 2025	Jul. 02, 2025	Conduction (CO02-SZ)
AC LISN	R&S	ENV216	101499	9kHz~30MHz	Jul. 03, 2024	Apr. 17, 2025	Jul. 02, 2025	Conduction (CO02-SZ)
AC Power Source	CHROMA	61601	616010002470	100Vac~250Vac	Dec.25, 2024	Apr. 17, 2025	Dec. 24, 2025	Conduction (CO02-SZ)

NCR: No Calibration Required.

**For WWAN Bands:**

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101040	10Hz~40GHz	Oct. 10, 2024	Apr. 22, 2025~ Apr. 23, 2025	Oct. 09, 2025	Conducted (TH01-KS)
Power divider	STI	STI08-0055	-	0.5~40GHz	NCR	Apr. 22, 2025~ Apr. 23, 2025	NCR	Conducted (TH01-KS)
Temperature & humidity chamber	Hongzhan	LP-150U	H2014011440	-40~+150°C 20%~95%RH	Jul. 04, 2024	Apr. 22, 2025~ Apr. 23, 2025	Jul. 03, 2025	Conducted (TH01-KS)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 03, 2024	Apr. 16, 2025~ Apr. 27, 2025	Jul. 02, 2025	Radiation (03CH02-SZ)
Loop Antenna	R&S	HFH2-Z2E	101141	9kHz~30MHz	Dec. 28, 2024	Apr. 16, 2025~ Apr. 27, 2025	Dec. 27, 2025	Radiation (03CH02-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz-2GHz	Oct. 24, 2023	Apr. 16, 2025~ Apr. 27, 2025	Oct. 23, 2025	Radiation (03CH02-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Jul. 04, 2024	Apr. 16, 2025~ Apr. 27, 2025	Jul. 04, 2025	Radiation (03CH02-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 03, 2024	Apr. 16, 2025~ Apr. 27, 2025	Jul. 03, 2025	Radiation (03CH02-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 08, 2025	Apr. 16, 2025~ Apr. 27, 2025	Apr. 07, 2026	Radiation (03CH02-SZ)
LF Amplifier	Burgeon	BPA-530	102211	0.01~3000Mhz	Oct. 18, 2024	Apr. 16, 2025~ Apr. 27, 2025	Oct. 17, 2025	Radiation (03CH02-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270105	0.5GHz~26.5GHz	Oct. 14, 2024	Apr. 16, 2025~ Apr. 27, 2025	Oct. 13, 2025	Radiation (03CH02-SZ)
AC Power Source	Chroma	61601	616010003043	N/A	Oct. 18, 2024	Apr. 16, 2025~ Apr. 27, 2025	Oct. 17, 2025	Radiation (03CH02-SZ)
Turn Table	Chaintek	T-200	N/A	0~360 degree	NCR	Apr. 16, 2025~ Apr. 27, 2025	NCR	Radiation (03CH02-SZ)
Antenna Mast	Chaintek	MBS-400	N/A	1 m~4 m	NCR	Apr. 16, 2025~ Apr. 27, 2025	NCR	Radiation (03CH02-SZ)

NCR: No Calibration Required.

4 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 (BT/WIFI2.4G/5G)

Test Item	Uncertainty
Conducted Spurious Emission & Bandedge	±2.22 dB
Occupied Channel Bandwidth	±0.1%
Conducted Power	±0.50 dB
Conducted Power Spectral Density	±0.90 dB
Frequency	±0.04 Hz

Uncertainty of Conducted Measurement (DFS)

Conducted Generated signal Levels	±0.56 dB
Conducted Time	0.38%

Uncertainty of Conducted Measurement (NFC)

Test Item	Uncertainty
Occupied Channel Bandwidth	±0.1%
Frequency	±0.04 Hz

Uncertainty of Conducted Measurement (WWAN)

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

Uncertainty of AC Conducted Emission Measurement (0.15 MHz ~ 30 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.5 dB
---	--------

03CH03-SZ(BT/WIF):

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.00 dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.90 dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.00 dB
---	---------

03CH05-SZ(NFC):

Uncertainty of Radiated Emission Measurement (9 kHz ~ 30 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.50 dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.20 dB
---	---------

03CH02-SZ(WWAN):

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
---	---------

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. Radiated Spurious Emission

Test Engineer :	Shunping You	Relative Humidity :	50%
		Temperature :	20-24°C

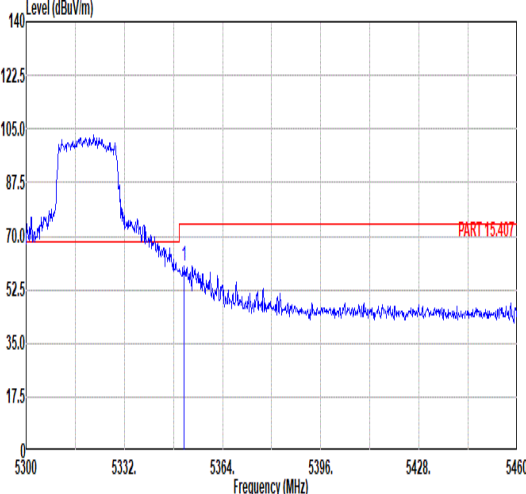
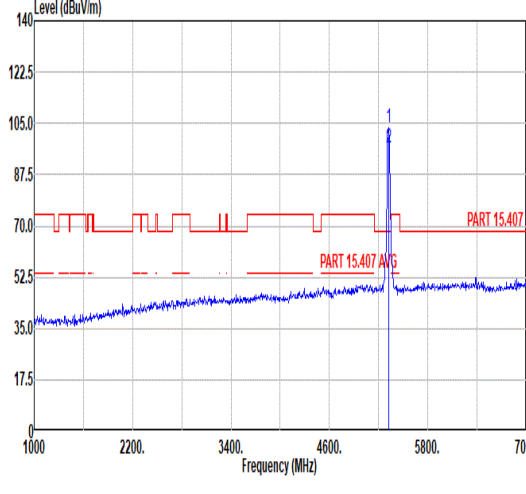
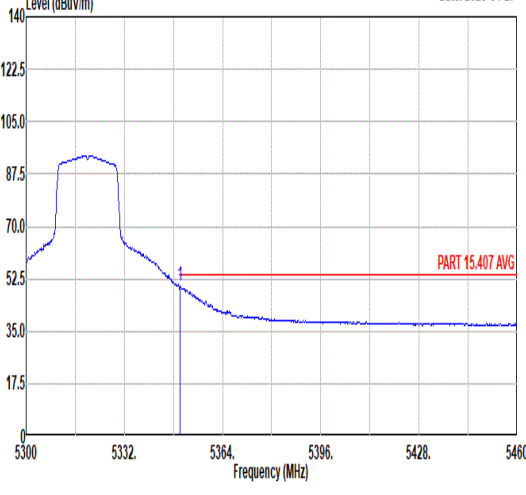
Radiated Spurious Emission Test Modes

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 1	CO-TX	5.25-5.35	5	802.11ax HE20	64	5320	MCS0	Full	-
		-	-	BT on	-	-	-	-	-
		-	-	NFC on	-	-	-	-	-
		-	-	LTE Band 71	LINK	-	-	-	-
Mode 2	CO-TX	5.25-5.35	5	802.11ax HE20	64	5320	MCS0	Full	-
		-	-	BT on	-	-	-	-	-
		-	-	NFC on	-	-	-	-	-
		-	-	LTE Band 41	LINK	-	-	-	-
Mode 3	CO-TX			LF					

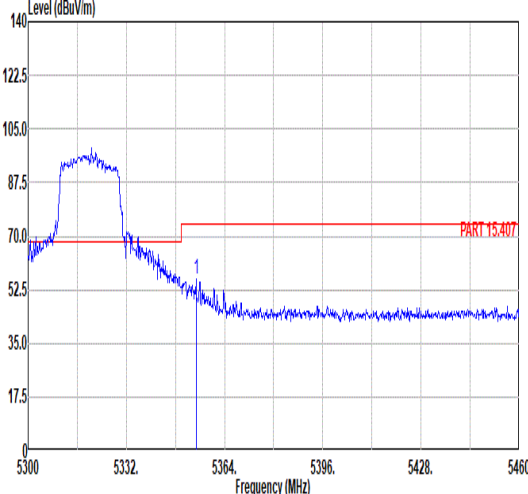
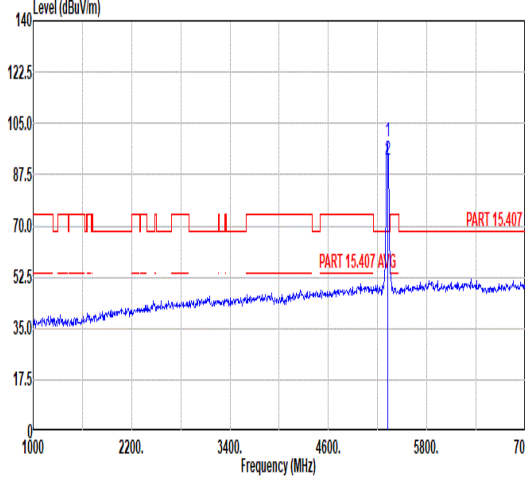
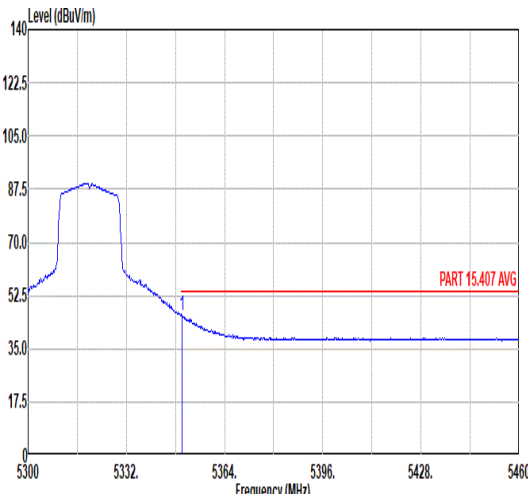
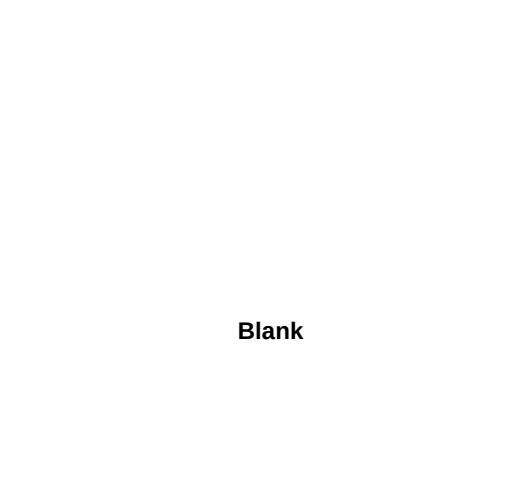
Summary of each worse mode

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	Remark
1	802.11ax HE20	64	5350.24	49.99	54.00	-4.01	H	Average	Pass	Band Edge
	802.11ax HE20	64	15960.00	46.33	74.00	-27.67	H	Peak	Pass	Harmonic
2	802.11ax HE20	64	5350.10	49.71	54.00	-4.29	H	AVERAGE	Pass	Band Edge
	802.11ax HE20	64	10640.00	47.57	74.00	-26.43	H	Peak	Pass	Harmonic
3	802.11ax HE20_LF	64	34.85	26.73	40.00	-13.27	V	Peak	Pass	LF

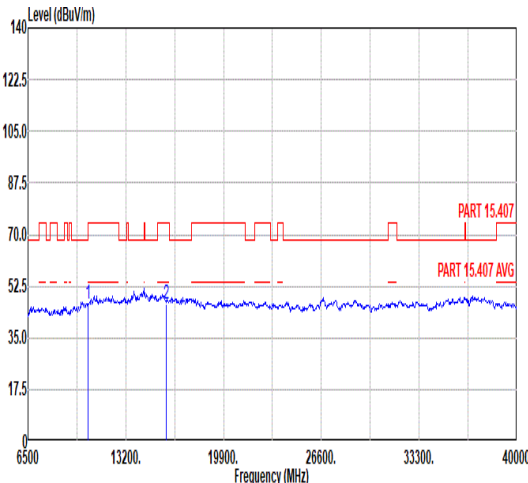
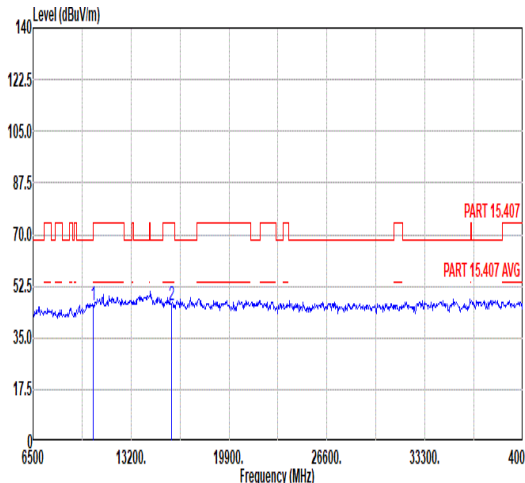


Mode	1																																																																																													
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	LTE Band 71 + 802.11ax HE20 + BT on + NFC on.																																																																																													
ANT	5																																																																																													
Pol.	Horizontal	Fundamental																																																																																												
Peak	 Level (dBuV/m) Frequency (MHz) PART 15.407 <table><tr><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>cm</th><th>deg</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5351.52</td><td>60.07</td><td>74.00</td><td>-13.93</td><td>50.29</td><td>34.11</td><td>8.33</td><td>32.66</td><td>161</td><td>40</td><td>Peak</td></tr></table>	Limit	Read	Ant	Cable	Preamp	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	cm	deg	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	5351.52	60.07	74.00	-13.93	50.29	34.11	8.33	32.66	161	40	Peak	 Level (dBuV/m) Frequency (MHz) PART 15.407 PART 15.407 AVG <table><tr><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>cm</th><th>deg</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5320.00</td><td>103.66</td><td>-----</td><td>-----</td><td>93.99</td><td>34.09</td><td>8.25</td><td>32.67</td><td>161</td><td>40</td><td>Peak</td></tr><tr><td>2</td><td>5320.00</td><td>96.65</td><td>-----</td><td>-----</td><td>86.98</td><td>34.09</td><td>8.25</td><td>32.67</td><td>161</td><td>40</td><td>Average</td></tr></table>	Limit	Read	Ant	Cable	Preamp	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	cm	deg	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	5320.00	103.66	-----	-----	93.99	34.09	8.25	32.67	161	40	Peak	2	5320.00	96.65	-----	-----	86.98	34.09	8.25	32.67	161	40	Average
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Remark: All signals exceeding the limit are fundamental frequency signals and can be ignored.



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Remark: 625.5MHz & 671.5MHz are WWAN fundamental frequency signals and can be ignored



Appendix C. Reference Report



FCC RF Test Report

APPLICANT : Motorola Mobility LLC
EQUIPMENT : Mobile Cellular Phone
BRAND NAME : Motorola
MODEL NAME : XT2527-1
FCC ID : IHDT56AV5
STANDARD : 47 CFR Part 90(S)
CLASSIFICATION : PCS Licensed Transmitter Held to Ear (PCE)
TEST DATE(S) : Mar. 21, 2025 ~ Mar. 29, 2025

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

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

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

Jason Jia

Approved by: Jason Jia



Sporton International Inc. (Kunshan)

**No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300
People's Republic of China**



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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG530724D	Rev. 01	Initial issue of report	Apr. 21, 2025

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	§2.1046	Conducted Output Power	—	Report only	-
3.2	§2.1049 §90.209	Occupied Bandwidth and 26dB Bandwidth	—	Report only	-
3.3	§2.1051 §90.691	Emission masks – In-band emissions	$< 50+10\log_{10}(P[\text{Watts}])$	PASS	-
3.4	§2.1051 §90.691	Emission masks – Out of band emissions	$< 43+10\log_{10}(P[\text{Watts}])$	PASS	-
3.5	§2.1053 §90.691	Field Strength of Spurious Radiation	$< 43+10\log_{10}(P[\text{Watts}])$	PASS	Under limit 20.46 dB at 1629.00 MHz
3.6	§2.1055 §90.213	Frequency Stability for Temperature & Voltage	$< 2.5 \text{ ppm}$	PASS	-

Conformity Assessment Condition:

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

Disclaimer:

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



1 General Description

1.1 Applicant

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 Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Cellular Phone
Brand Name	Motorola
Model Name	XT2527-1
FCC ID	IHDT56AV5
IMEI Code	Conducted: 358887330041698/358887330041706 Radiation: 358887330039734/358887330039742
HW Version	DVT2
SW Version	V2VN35.50
EUT Stage	Identical Prototype

Remark: The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

1.4 Product Specification of Equipment Under Test

Product Specification subjective to this standard	
Tx Frequency	814 ~ 824 MHz
Rx Frequency	859 ~ 869 MHz
Bandwidth	1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz
Maximum Output Power to Antenna	<ANT0>: 22.62 dBm <ANT4>: 22.54 dBm
Antenna Gain	<ANT0>: -5.4 dBi <ANT4>: -4.3 dBi
Type of Modulation	QPSK / 16QAM / 64QAM / 256QAM

Note: Only maximum conducted Power of Ant.0 is shown in the report.

1.5 Modification of EUT

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

1.6 Maximum Conducted Power and Emission Designator

LTE Band 26		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum Conducted power (W)	Emission Designator (99%OBW)	Maximum Conducted power (W)	Emission Designator (99%OBW)
1.4	814.7 ~ 823.3	0.1816	1M09G7D	0.1469	1M10W7D
3	815.5 ~ 822.5	0.1824	2M71G7D	0.1462	2M73W7D
5	816.5 ~ 821.5	0.1820	4M48G7D	0.1459	4M48W7D
10	819.0	0.1803	9M01G7D	0.1462	8M99W7D
15	824	0.1828	13M5G7D	0.1462	13M4W7D

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

1.7 Testing Site

Sporton International Inc. (Kunshan) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

Test Firm	Sporton International Inc. (Kunshan)		
Test Site Location	No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	TH01-KS	CN1257	314309

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

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

Test data subcontracted: Radiated Spurious Emission test case in section 3.5 of this report.

1.8 Test Software

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

1.9 Applied Standards

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

- ♦ 47 CFR 90(S)
- ♦ ANSI C63.26-2015
- ♦ FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- ♦ FCC KDB 971168 D02 Misc Rev Approv License Devices v02r02

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

1.10 Specification of Accessory

Specification of Accessory				
AC Adapter 1(US)	Brand Name	Motorola(Salcomp)	Model Name	MC-331L
AC Adapter 1(EU)	Brand Name	Motorola(Salcomp)	Model Name	MC-332L
AC Adapter 1(UK)	Brand Name	Motorola(Salcomp)	Model Name	MC-333L
AC Adapter 1(AU)	Brand Name	Motorola(Salcomp)	Model Name	MC-335L
AC Adapter 1(AR)	Brand Name	Motorola(Salcomp)	Model Name	MC-336L
AC Adapter 1(BR)	Brand Name	Motorola(Salcomp)	Model Name	MC-337L
AC Adapter 2(US)	Brand Name	Motorola(Chenyang)	Model Name	MC-331L
AC Adapter 2(EU)	Brand Name	Motorola(Chenyang)	Model Name	MC-332L
AC Adapter 2(UK)	Brand Name	Motorola(Chenyang)	Model Name	MC-333L
AC Adapter 2(AR)	Brand Name	Motorola(Chenyang)	Model Name	MC-336L
AC Adapter 2(BR)	Brand Name	Motorola(Chenyang)	Model Name	MC-337L
Battery 1	Brand Name	Motorola(NVT)	Model Name	RA52
Battery 2	Brand Name	Motorola(SUNWODA)	Model Name	RA52
USB Cable 1	Brand Name	Motorola(Washin)	Model Name	HX-ZN-34
USB Cable 2	Brand Name	Motorola(Juwei)	Model Name	JWUB1928-ZN01H
Wireless Earphones	Brand Name	Motorola	Model Name	XT2443-1

2 Test Configuration of Equipment Under Test

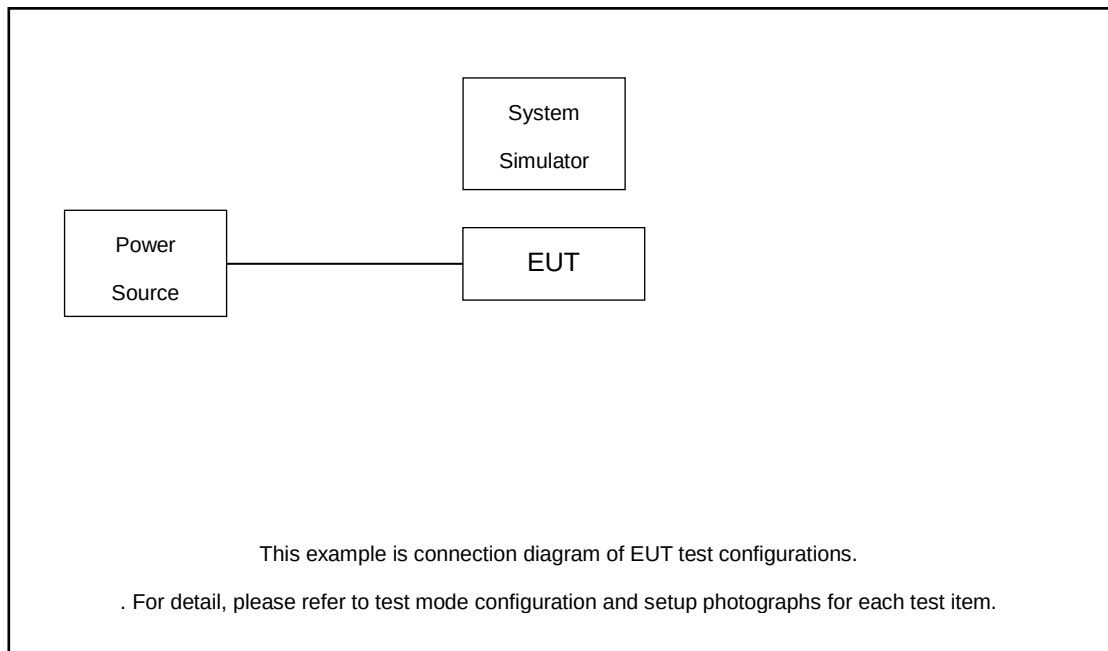
2.1 Test Mode

During all testing, EUT is in link mode with base station emulator at maximum power level. The spurious emission measurements were carried out in semi-anechoic chamber with 3-meter test range, and EUT is rotated on three test planes to find out the worst emission.

Frequency range investigated for radiated emission is 30 MHz to 9000 MHz. (Y Plane)

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	26	v	v	v	v	v	-	v	v	v	v	v	v	v	v	v	v
26dB and 99% Bandwidth	26	v	v	v	v		-	v	v					v		v	
	26					v		v	v					v			v
Emission masks In-band emissions	26	v	v	v	v	v	-	v	v	v	v	v		v	v		v
Emission masks – Out of band emissions	26	v	v	v	v	v	-	v				v			v	v	v
Frequency Stability	26				v		-	v						v		v	
Radiated Spurious Emission	26				v		-	v				v				v	
Note	- The mark “v” means that this configuration is chosen for testing - The mark “-” means that this bandwidth is not supported. - LTE Band26 transmit frequency for part22 rule is 824MHz-849MHz, for part90 rule is 814MHz-824MHz. ERP over 15MHz bandwidth complies the ERP limit line of part22 rule, therefore ERP of the partial frequency spectrum which falls within part 22 also complies. - For QAM modulation mode, the whole testing has assessed 16QAM&64QAM 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.	System Simulator	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 between RF conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level will be exactly the RF output level.

The spectrum analyzer offset is derived from RF cable loss.

Offset = RF cable loss.

The following shows an offset computation example with RF cable loss 4.8 dB.

Example :

$$\begin{aligned}
 \text{Offset(dB)} &= \text{RF cable loss(dB)}. \\
 &= 4.8 \text{ (dB)}
 \end{aligned}$$

2.5 Frequency List of Low/Middle/High Channels

LTE Band 26 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	26740	-
	Frequency	-	819	-
5	Channel	26715	26740	26765
	Frequency	816.5	819	821.5
3	Channel	26705	26740	26775
	Frequency	815.5	819	822.5
1.4	Channel	26697	26740	26783
	Frequency	814.7	819	823.3

LTE Band 26 Cross-rule Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	-	Middle	-
15	Channel	-	26790	-
	Frequency	-	824	-
10	Channel	-	26790	-
	Frequency	-	824	-
5	Channel	-	26790	-
	Frequency	-	824	-
3	Channel	-	26790	-
	Frequency	-	824	-
1.4	Channel	-	26790	-
	Frequency	-	824	-

3 Test Result

3.1 Conducted Output Power Measurement

3.1.1 Description of the Conducted Output Power Measurement

A system simulator was used to establish communication with the EUT. Its parameters were set to enforce EUT transmitting at the maximum power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

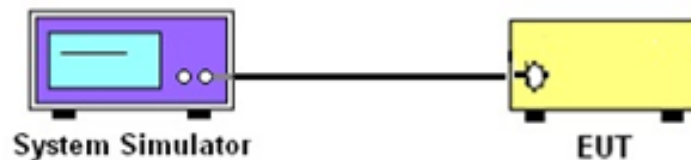
3.1.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Test Result of Conducted Output Power

Please refer to Appendix A.

3.2 99% Occupied Bandwidth and 26dB Bandwidth Measurement

3.2.1 Description of (Occupied) Bandwidth Limitations Measurement

The 99% 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 emission bandwidth is defined as the width of the signal between two points, located at the 2 sides of the carrier frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

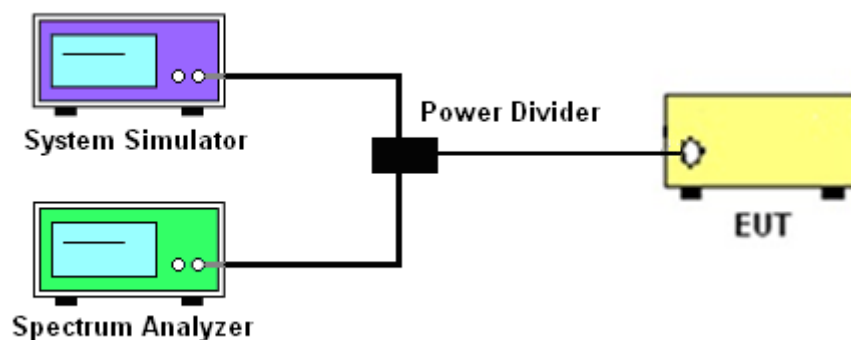
3.2.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.2.3 Test Procedures

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The 26dB and 99% occupied bandwidth (BW) of the middle channel for the highest RF power with full RB sizes were measured.

3.2.4 Test Setup



3.2.5 Test Result of 99% Occupied Bandwidth and 26dB Bandwidth

Please refer to Appendix A.

3.3 Emissions Mask Measurement

3.3.1 Description of Emissions Mask Measurement

Equipment used in this licensed to EA or non-EA systems shall comply with the emission mask provisions of FCC Part 90.691.(a):

(a) Out-of-band emission requirement shall apply only to the “outer” channels included in an EA license and to spectrum adjacent to interior channels used by incumbent licensees. The emission limits are as follows:

(1) For any frequency removed from the EA licensee's frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $116 \log_{10}(f/6.1)$ decibels or $50 + 10 \log_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz.

(2) For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.

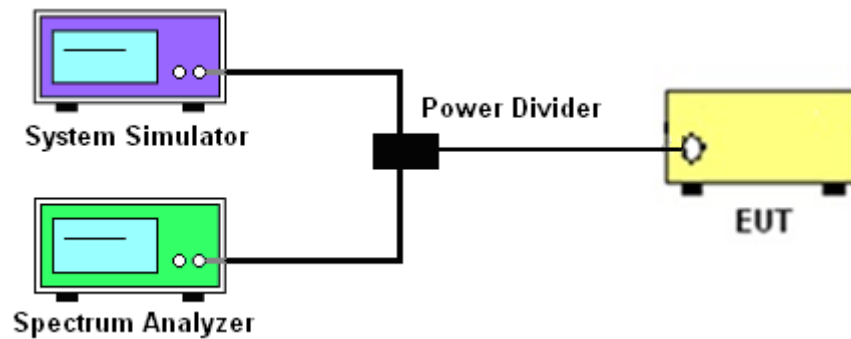
3.3.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.3.3 Test Procedures

1. The EUT was connected to spectrum analyzer and base station via power divider.
2. The emissions mask of low and high channels for the highest RF powers were measured.
3. The measured RBW and the VBW set 3 times of RBW are then set in spectrum analyzer, and the RBW correction factor $10 \log (1\% \text{ of OBW/measured RBW})(\text{dB})$ was compensated, if required.
4. The test results were shown below plots with a correction offset factor including cable loss, insertion loss of power divider.

3.3.4 Test Setup



3.3.5 Test Result (Plots) of Conducted Emissions Mask

Please refer to Appendix A.

3.4 Emissions Mask – Out Of Band Emissions Measurement

3.4.1 Description of Conducted Emissions Out of band emissions measurement

The power of any emission FCC Part 90.691 (a)(2) on any frequency removed from the assigned frequency by out of the authorized bandwidth 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.

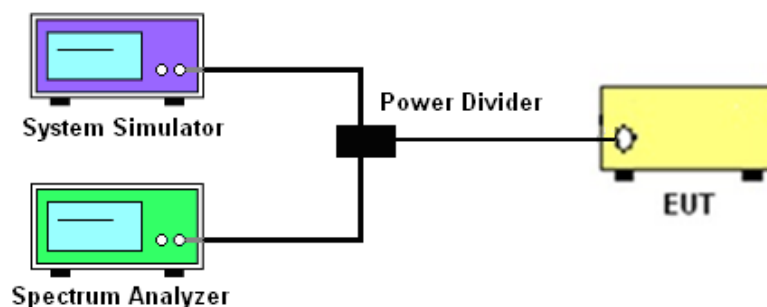
3.4.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.4.3 Test Procedures

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. 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.
3. The middle channel for the highest RF power within the transmitting frequency was measured.
4. The conducted spurious emission for the whole frequency range was taken.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
7. The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)

3.4.4 Test Setup



3.4.5 Test Result (Plots) of Conducted Emission

Please refer to Appendix A.

3.5 Field Strength of Spurious Radiation Measurement

3.5.1 Description of Field Strength of Spurious Radiated Measurement

The radiated spurious emission was measured by substitution method according to ANSI C63.26. The power of any emission FCC Part 90.691 on any frequency removed from the assigned frequency by more than 250 percent of the authorized bandwidth at least $43 + 10 \log (P)$ dB. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

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 $43 + 10 \log_{10}(P[\text{Watts}])$ dB. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

3.5.2 Measuring Instruments

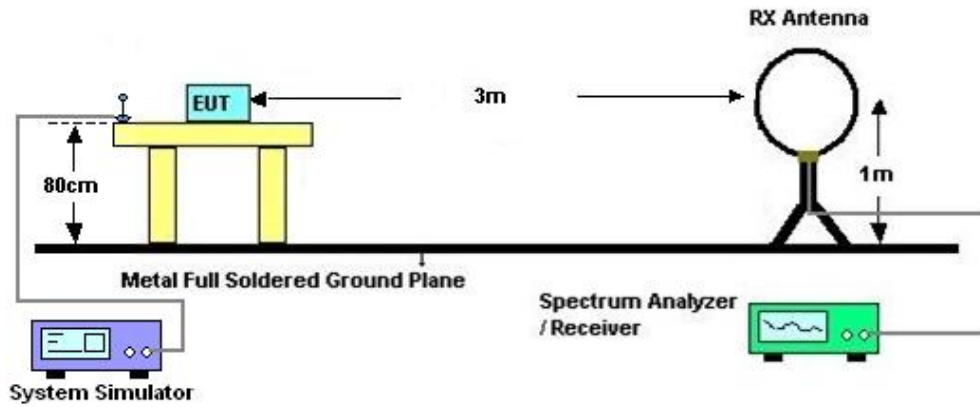
The measuring equipment is listed in the section 4 of this test report.

3.5.3 Test Procedures

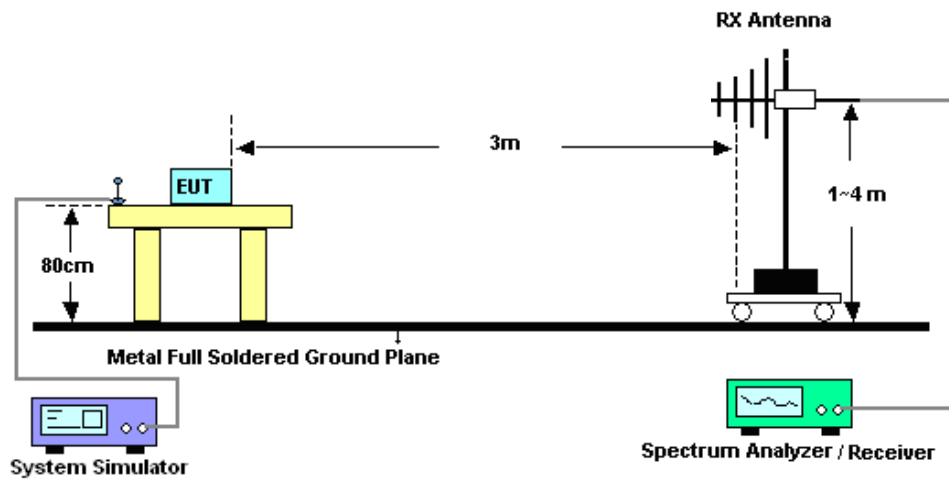
1. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, Sweep = 500ms, Taking the record of maximum spurious emission.
6. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
7. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
8. Taking the record of output power at antenna port.
9. Repeat step 7 to step 8 for another polarization.
10. $\text{EIRP (dBm)} = \text{S.G. Power} - \text{Tx Cable Loss} + \text{Tx Antenna Gain}$
11. $\text{ERP (dBm)} = \text{EIRP} - 2.15$
12. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
13. The limit line is derived from $43 + 10 \log(P)$ dB below the transmitter power P(Watts)

3.5.4 Test Setup

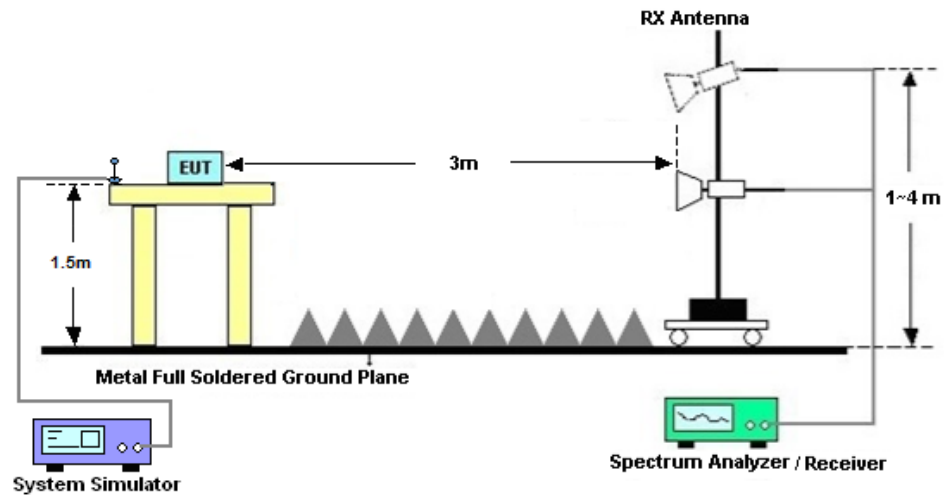
For radiated test from 30MHz



For radiated test from 30MHz to 1GHz



For radiated test above 1GHz



3.5.5 Test Result of Field Strength of Spurious Radiated

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.

3.6 Frequency Stability Measurement

3.6.1 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 according to FCC Part 90.213.

3.6.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

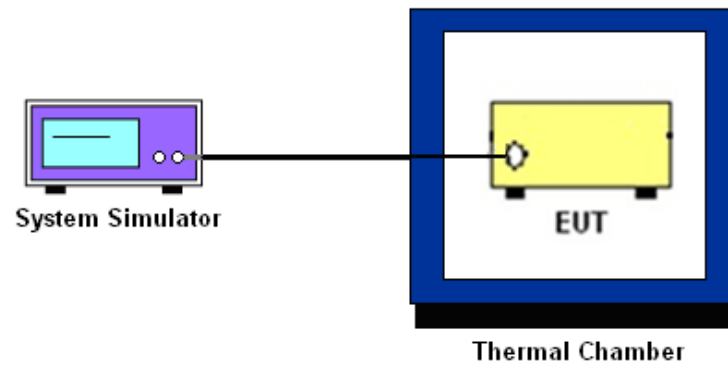
3.6.3 Test Procedures for Temperature Variation

1. The EUT was set up in the thermal chamber and connected with the base station.
2. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized for three hours. Power was applied and the maximum change in frequency was recorded within one minute.
3. 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.

3.6.4 Test Procedures for Voltage Variation

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

3.6.5 Test Setup



3.6.6 Test Result of Temperature Variation

Please refer to Appendix A.



4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101040	10Hz~40GHz	Oct. 10, 2024	Mar. 21, 2025	Oct. 09, 2025	Conducted (TH01-KS)
Power divider	STI	STI08-0055	-	0.5~40GHz	NCR	Mar. 21, 2025	NCR	Conducted (TH01-KS)
Temperature & humidity chamber	Hongzhan	LP-150U	H2014011440	-40~+150°C 20%~95%RH	Jul. 04, 2024	Mar. 21, 2025	Jul. 03, 2025	Conducted (TH01-KS)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 03, 2024	Mar. 29, 2025	Jul. 02, 2025	Radiation (03CH02-SZ)
Loop Antenna	R&S	HFH2-Z2E	101141	9kHz~30MHz	Dec. 28, 2024	Mar. 29, 2025	Dec. 27, 2025	Radiation (03CH02-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz-2GHz	Oct. 24, 2023	Mar. 29, 2025	Oct. 23, 2025	Radiation (03CH02-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Jul. 04, 2024	Mar. 29, 2025	Jul. 04, 2025	Radiation (03CH02-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 03, 2024	Mar. 29, 2025	Jul. 03, 2025	Radiation (03CH02-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18GHz-40GHz	Apr. 09, 2024	Mar. 29, 2025	Apr. 08, 2025	Radiation (03CH02-SZ)
LF Amplifier	Burgeon	BPA-530	102211	0.01~3000Mhz	Oct. 18, 2024	Mar. 29, 2025	Oct. 17, 2025	Radiation (03CH02-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270105	0.5GHz~26.5GHz	Oct. 14, 2024	Mar. 29, 2025	Oct. 13, 2025	Radiation (03CH02-SZ)
AC Power Source	Chroma	61601	616010003043	N/A	Oct. 18, 2024	Mar. 29, 2025	Oct. 17, 2025	Radiation (03CH02-SZ)
Turn Table	Chaintek	T-200	N/A	0~360 degree	NCR	Mar. 29, 2025	NCR	Radiation (03CH02-SZ)
Antenna Mast	Chaintek	MBS-400	N/A	1 m~4 m	NCR	Mar. 29, 2025	NCR	Radiation (03CH02-SZ)

NCR: No Calibration Required

5 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

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

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
---	---------

Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

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

----- THE END -----



Appendix A. Test Results of Conducted Test

Test Engineer :	Smile Wang	Temperature :	22~23℃
		Relative Humidity :	40~42%

Conducted Output Power (Average power)

LTE Band 26_ANT0:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				26790		
Frequency (MHz)				824		
15	QPSK	1	0	22.62		
15	QPSK	1	25	22.47		
15	QPSK	1	49	22.62		
15	QPSK	25	0	21.61		
15	QPSK	25	12	21.61		
15	QPSK	25	25	21.61		
15	QPSK	50	0	21.66		
15	16QAM	1	0	21.56		
15	16QAM	1	25	21.65		
15	16QAM	1	49	21.55		
15	16QAM	25	0	20.52		
15	16QAM	25	12	20.59		
15	16QAM	25	25	20.54		
15	16QAM	50	0	20.50		
15	64QAM	1	0	20.60		
15	64QAM	1	25	20.59		
15	64QAM	1	49	20.65		
15	64QAM	25	0	19.46		
15	64QAM	25	12	19.48		
15	64QAM	25	25	19.66		
15	64QAM	50	0	19.63		
15	256QAM	1	0	17.67		
15	256QAM	1	25	17.53		
15	256QAM	1	49	17.51		
15	256QAM	25	0	17.52		
15	256QAM	25	12	17.56		
15	256QAM	25	25	17.59		
15	256QAM	50	0	17.61		
Channel					26740	
Frequency (MHz)					819	
10	QPSK	1	0		22.47	



10	QPSK	1	25		22.56	
10	QPSK	1	49		22.50	
10	QPSK	25	0		21.53	
10	QPSK	25	12		21.45	
10	QPSK	25	25		21.42	
10	QPSK	50	0		21.68	
10	16QAM	1	0		21.58	
10	16QAM	1	25		21.65	
10	16QAM	1	49		21.63	
10	16QAM	25	0		20.61	
10	16QAM	25	12		20.55	
10	16QAM	25	25		20.77	
10	16QAM	50	0		20.47	
10	64QAM	1	0		20.61	
10	64QAM	1	25		20.47	
10	64QAM	1	49		20.45	
10	64QAM	25	0		19.59	
10	64QAM	25	12		19.56	
10	64QAM	25	25		19.43	
10	64QAM	50	0		19.53	
10	256QAM	1	0		17.56	
10	256QAM	1	25		17.61	
10	256QAM	1	49		17.45	
10	256QAM	25	0		17.41	
10	256QAM	25	12		17.38	
10	256QAM	25	25		17.65	
10	256QAM	50	0		17.40	
Channel				26715	26740	26765
Frequency (MHz)				816.5	819	821.5
5	QPSK	1	0	22.54	22.47	22.52
5	QPSK	1	12	22.39	22.56	22.33
5	QPSK	1	24	22.60	22.51	22.44
5	QPSK	12	0	21.45	21.58	21.48
5	QPSK	12	7	21.55	21.47	21.44
5	QPSK	12	13	21.54	21.44	21.45
5	QPSK	25	0	21.56	21.61	21.37
5	16QAM	1	0	21.52	21.52	21.41
5	16QAM	1	12	21.62	21.60	21.44
5	16QAM	1	24	21.49	21.64	21.52
5	16QAM	12	0	20.37	20.52	20.51
5	16QAM	12	7	20.50	20.60	20.40
5	16QAM	12	13	20.49	20.80	20.35
5	16QAM	25	0	20.37	20.54	20.36
5	64QAM	1	0	20.55	20.57	20.43
5	64QAM	1	12	20.51	20.36	20.49
5	64QAM	1	24	20.53	20.45	20.39
5	64QAM	12	0	19.33	19.49	19.54



5	64QAM	12	7	19.43	19.53	19.52
5	64QAM	12	13	19.57	19.58	19.45
5	64QAM	25	0	19.49	19.54	19.52
5	256QAM	1	0	17.51	17.53	17.43
5	256QAM	1	12	17.42	17.70	17.60
5	256QAM	1	24	17.36	17.54	17.32
5	256QAM	12	0	17.48	17.49	17.59
5	256QAM	12	7	17.51	17.44	17.45
5	256QAM	12	13	17.51	17.63	17.56
5	256QAM	25	0	17.52	17.42	17.54
Channel				26705	26740	26775
Frequency (MHz)				815.5	819	822.5
3	QPSK	1	0	22.51	22.61	22.55
3	QPSK	1	8	22.42	22.56	22.40
3	QPSK	1	14	22.49	22.48	22.43
3	QPSK	8	0	21.46	21.51	21.52
3	QPSK	8	4	21.50	21.50	21.42
3	QPSK	8	7	21.49	21.57	21.37
3	QPSK	15	0	21.57	21.62	21.27
3	16QAM	1	0	21.50	21.58	21.40
3	16QAM	1	8	21.58	21.65	21.53
3	16QAM	1	14	21.49	21.58	21.45
3	16QAM	8	0	20.42	20.60	20.52
3	16QAM	8	4	20.57	20.64	20.39
3	16QAM	8	7	20.43	20.73	20.33
3	16QAM	15	0	20.40	20.46	20.39
3	64QAM	1	0	20.50	20.52	20.39
3	64QAM	1	8	20.48	20.38	20.57
3	64QAM	1	14	20.63	20.44	20.43
3	64QAM	8	0	19.41	19.55	19.56
3	64QAM	8	4	19.35	19.55	19.43
3	64QAM	8	7	19.48	19.54	19.52
3	64QAM	15	0	19.49	19.44	19.51
3	256QAM	1	0	17.52	17.52	17.33
3	256QAM	1	8	17.38	17.64	17.54
3	256QAM	1	14	17.35	17.50	17.28
3	256QAM	8	0	17.40	17.44	17.54
3	256QAM	8	4	17.51	17.49	17.39
3	256QAM	8	7	17.50	17.66	17.51
3	256QAM	15	0	17.45	17.43	17.53
Channel				26697	26740	26783
Frequency (MHz)				814.7	819	823.3
1.4	QPSK	1	0	22.59	22.52	22.56
1.4	QPSK	1	3	22.39	22.55	22.36
1.4	QPSK	1	5	22.57	22.46	22.34
1.4	QPSK	3	0	22.42	22.48	22.42
1.4	QPSK	3	1	22.31	22.38	22.33



1.4	QPSK	3	3	22.50	22.39	22.20
1.4	QPSK	6	0	21.52	21.63	21.37
1.4	16QAM	1	0	21.45	21.49	21.43
1.4	16QAM	1	3	21.57	21.67	21.46
1.4	16QAM	1	5	21.48	21.58	21.43
1.4	16QAM	3	0	21.37	21.33	21.27
1.4	16QAM	3	1	21.48	21.57	21.41
1.4	16QAM	3	3	21.38	21.56	21.29
1.4	16QAM	6	0	20.38	20.55	20.41
1.4	64QAM	1	0	20.50	20.59	20.40
1.4	64QAM	1	3	20.56	20.35	20.57
1.4	64QAM	1	5	20.47	20.39	20.37
1.4	64QAM	3	0	20.47	20.56	20.28
1.4	64QAM	3	1	20.47	20.33	20.42
1.4	64QAM	3	3	20.37	20.21	20.21
1.4	64QAM	6	0	19.48	19.46	19.47
1.4	256QAM	1	0	17.55	17.58	17.30
1.4	256QAM	1	3	17.36	17.74	17.62
1.4	256QAM	1	5	17.49	17.53	17.29
1.4	256QAM	3	0	17.46	17.45	17.62
1.4	256QAM	3	1	17.40	17.42	17.39
1.4	256QAM	3	3	17.48	17.58	17.62
1.4	256QAM	6	0	17.55	17.51	17.50



LTE Band 26_Part 90S

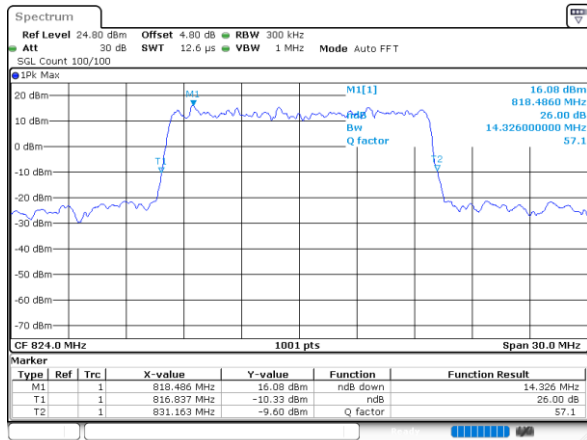
26dB Bandwidth

Mode	LTE Band 26 : 26dB BW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
Hig CH	14.33	14.39
BW	10MHz	
Mod.	QPSK	16QAM
Mid CH	9.69	9.71
BW	5MHz	
Mod.	QPSK	16QAM
Mid CH	4.96	4.91
BW	3MHz	
Mod.	QPSK	16QAM
Mid CH	2.97	2.99
BW	1.4MHz	
Mod.	QPSK	16QAM
Mid CH	1.28	1.26



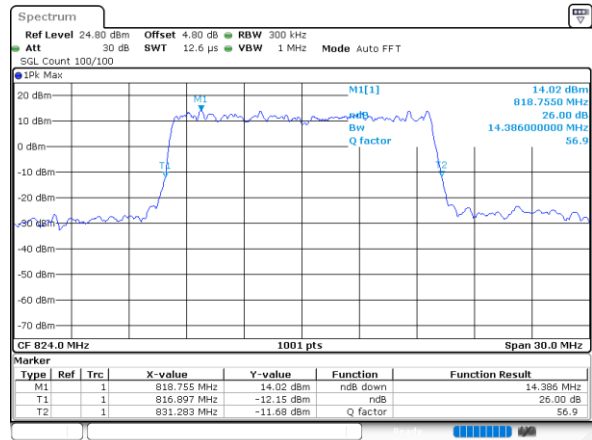
LTE Band 26

Highest Channel / 15MHz / QPSK



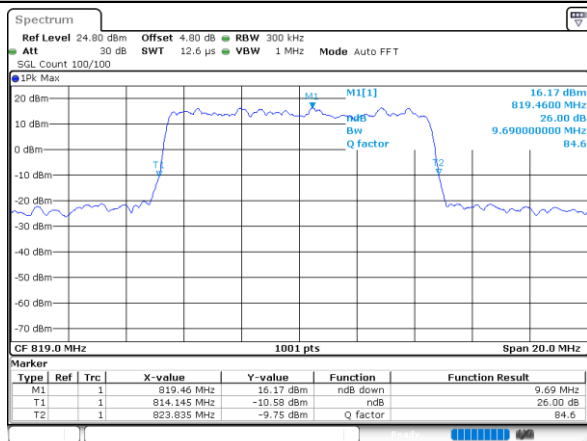
Date: 21.MAR.2025 07:22:47

Highest Channel / 15MHz / 16QAM



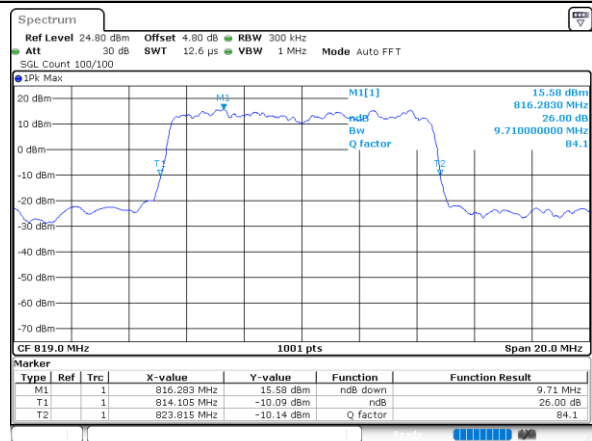
Date: 21.MAR.2025 07:23:08

Middle Channel / 10MHz / QPSK



Date: 21.MAR.2025 07:03:32

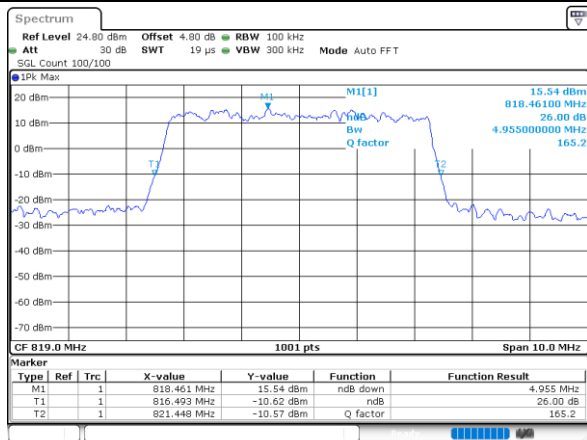
Middle Channel / 10MHz / 16QAM



Date: 21.MAR.2025 07:03:54

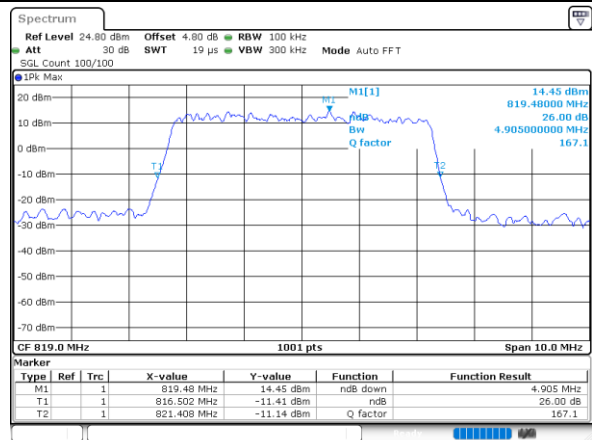
LTE Band 26

Middle Channel / 5MHz / QPSK



Date: 21.MAR.2025 06:33:05

Middle Channel / 5MHz / 16QAM

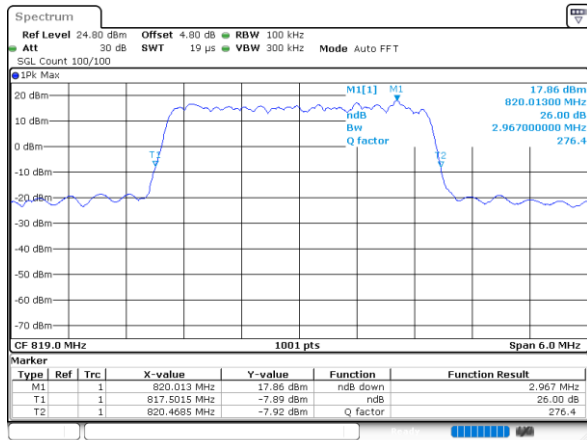


Date: 21.MAR.2025 06:33:27

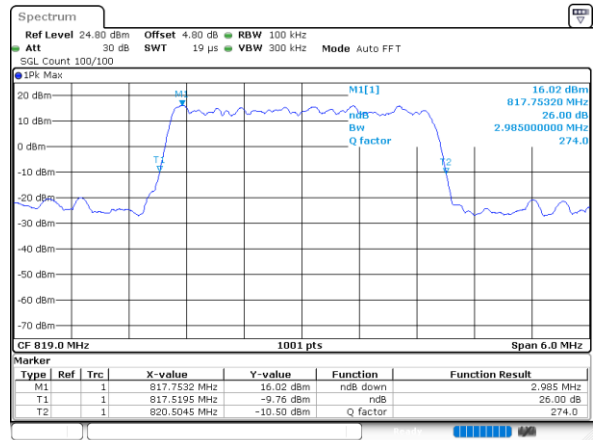


LTE Band 26

Middle Channel / 3MHz / QPSK

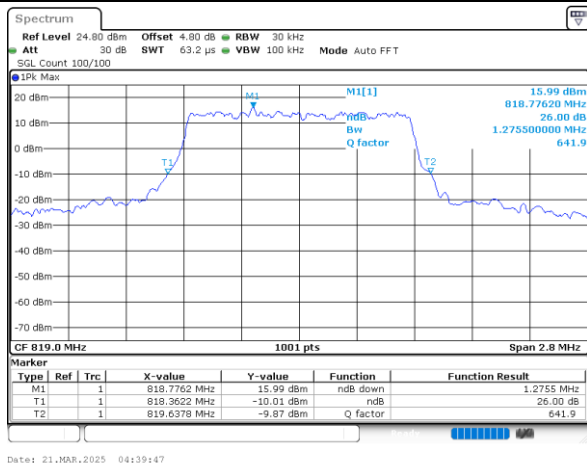


Middle Channel / 3MHz / 16QAM

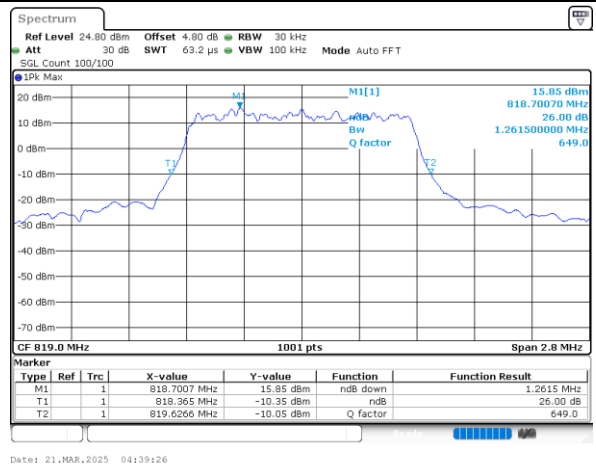


LTE Band 26

Middle Channel / 1.4MHz / QPSK



Middle Channel / 1.4MHz / 16QAM



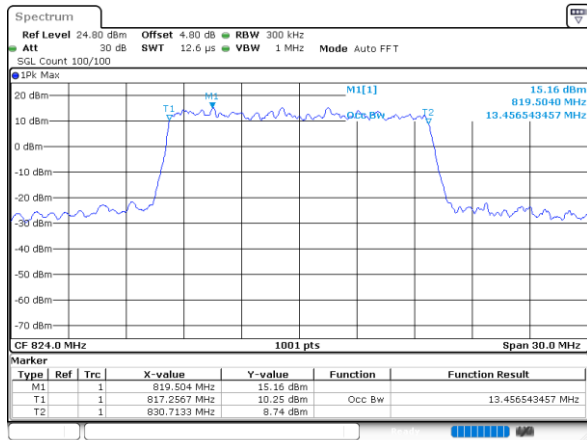
**Occupied Bandwidth**

Mode	LTE Band 26 : 99%OBW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
HigCH	13.46	13.43
BW	10MHz	
Mod.	QPSK	16QAM
Mid CH	9.01	8.99
BW	5MHz	
Mod.	QPSK	16QAM
Mid CH	4.48	4.48
BW	3MHz	
Mod.	QPSK	16QAM
Mid CH	2.71	2.73
BW	1.4MHz	
Mod.	QPSK	16QAM
Mid CH	1.09	1.10

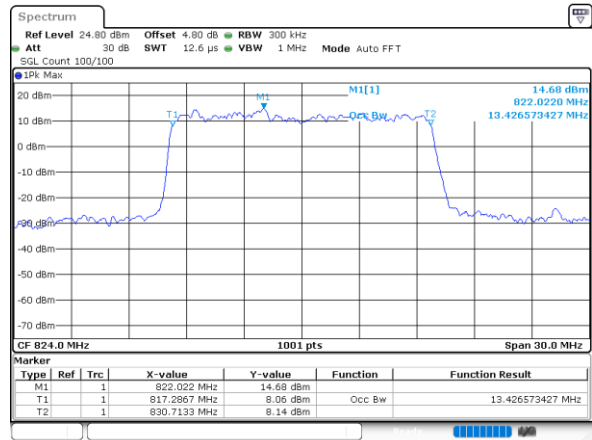


LTE Band 26

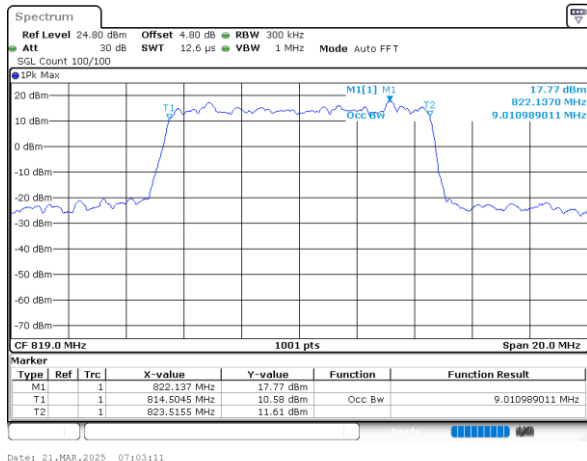
Highest Channel / 15MHz / QPSK



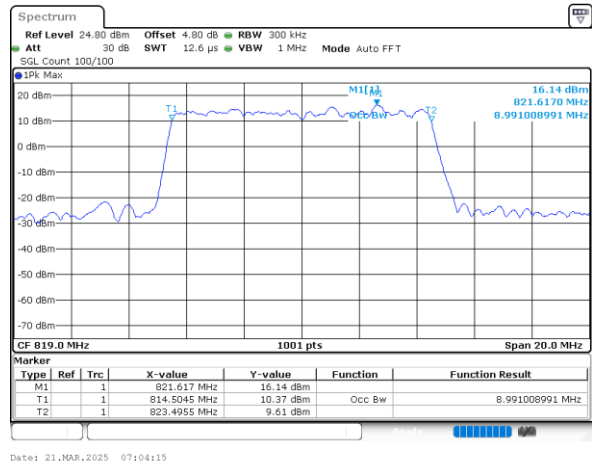
Highest Channel / 15MHz / 16QAM



Middle Channel / 10MHz / QPSK

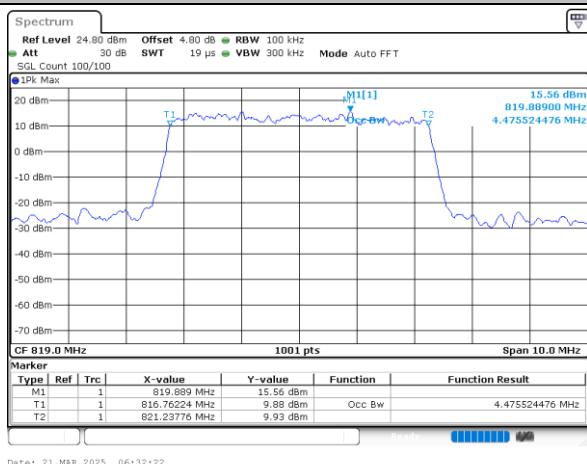


Middle Channel / 10MHz / 16QAM

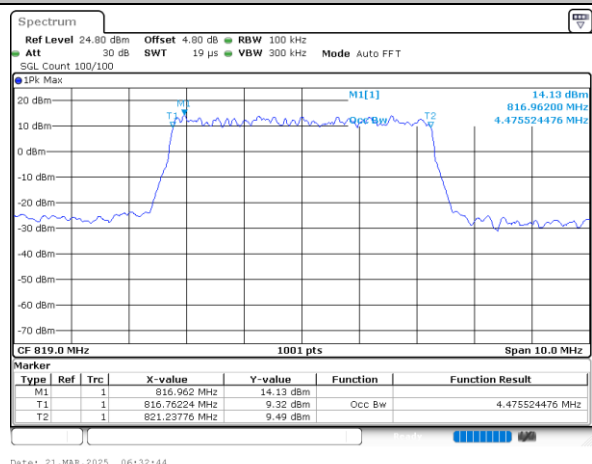


LTE Band 26

Middle Channel / 5MHz / QPSK



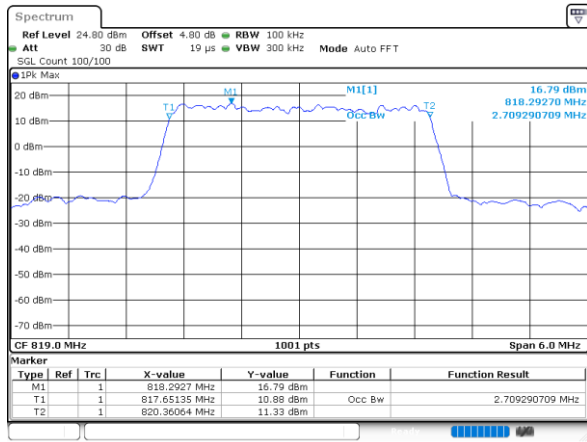
Middle Channel / 5MHz / 16QAM



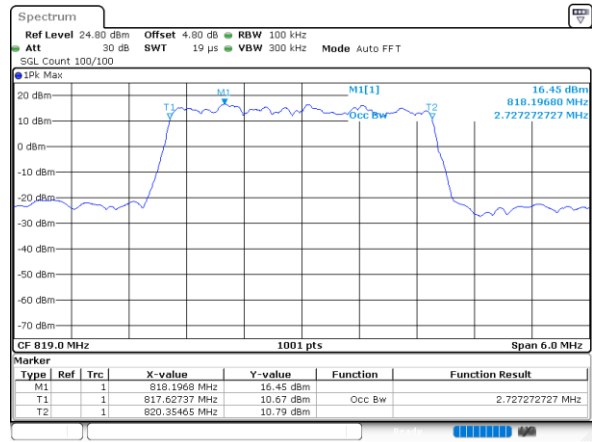


LTE Band 26

Middle Channel / 3MHz / QPSK

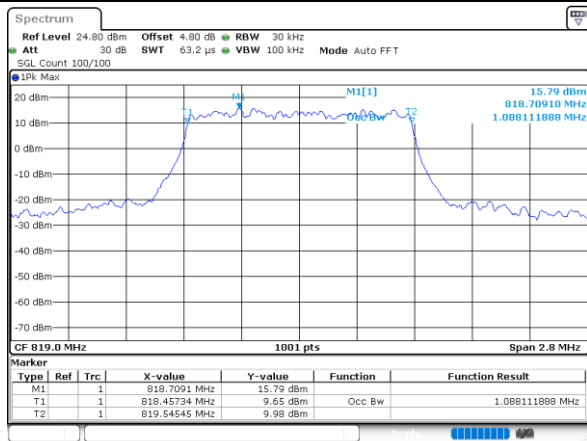


Middle Channel / 3MHz / 16QAM

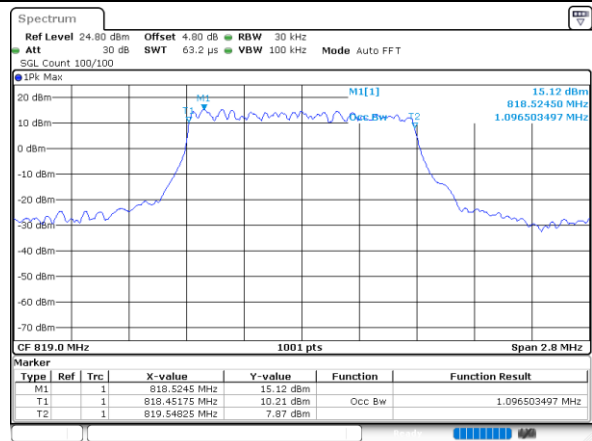


LTE Band 26

Middle Channel / 1.4MHz / QPSK



Middle Channel / 1.4MHz / 16QAM

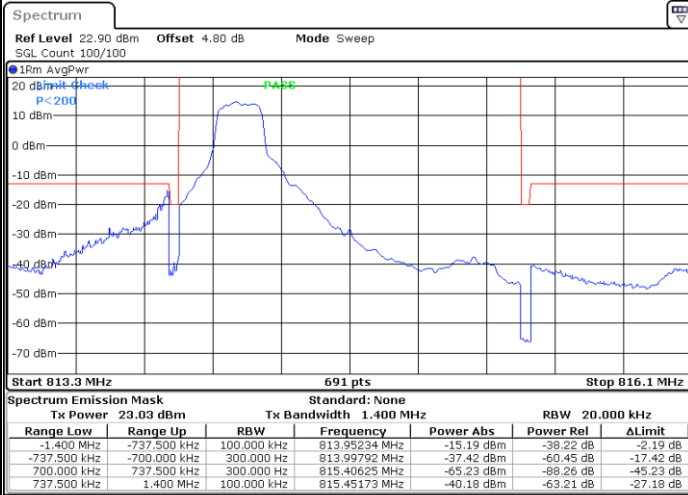




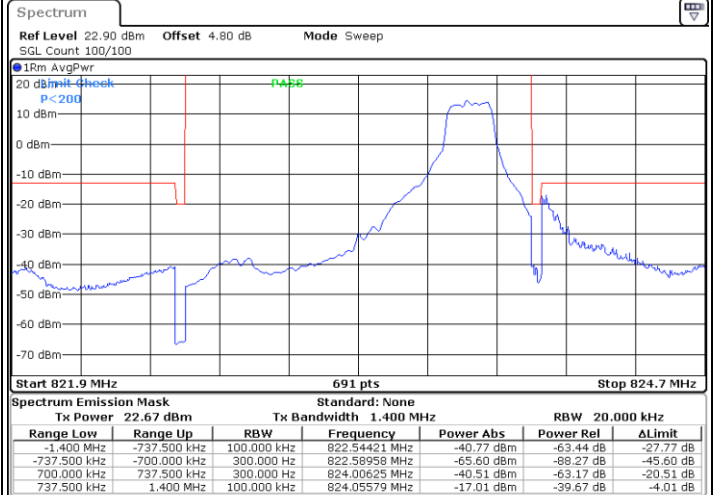
Conducted Band Edge

LTE Band 26 / 1.4MHz / QPSK

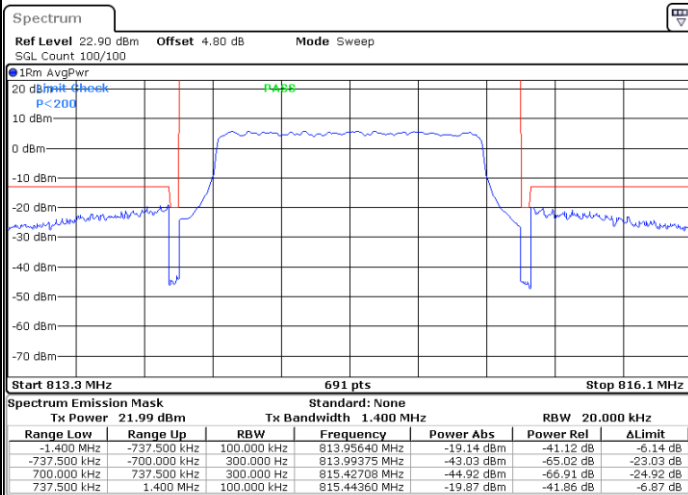
Lowest Band Edge / 1RB



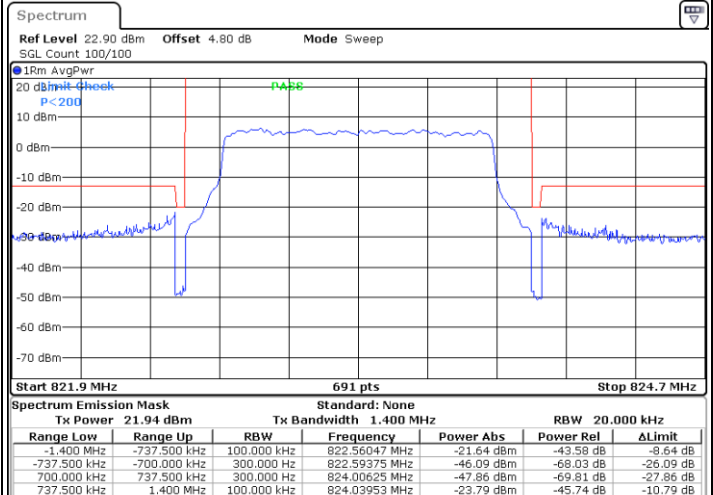
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



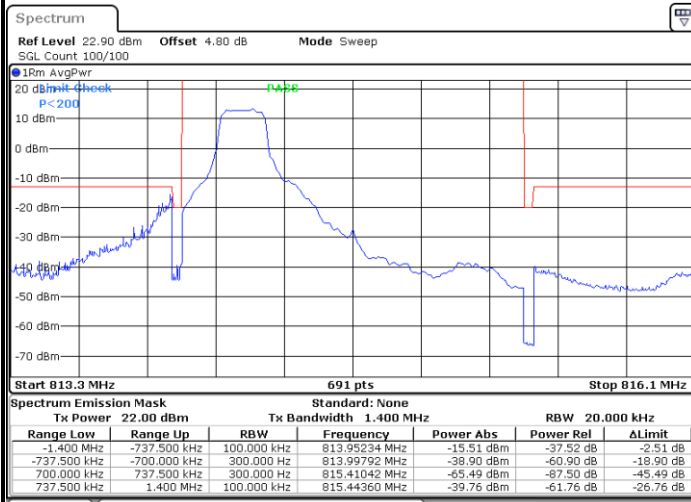
Highest Band Edge / Full RB



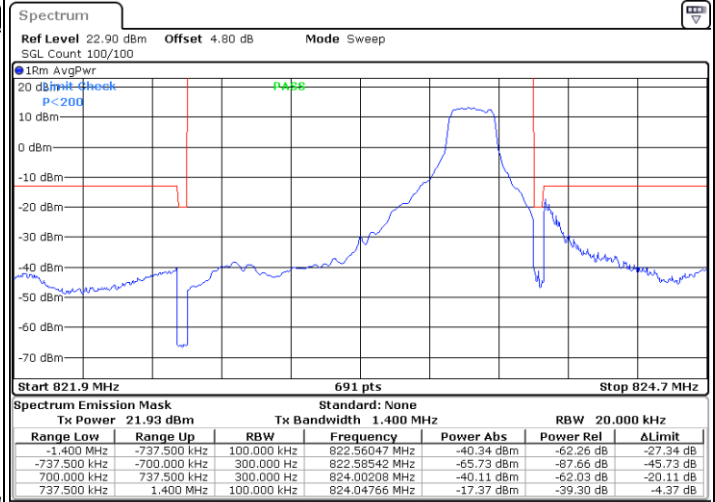


LTE Band 26 / 1.4MHz / 16QAM

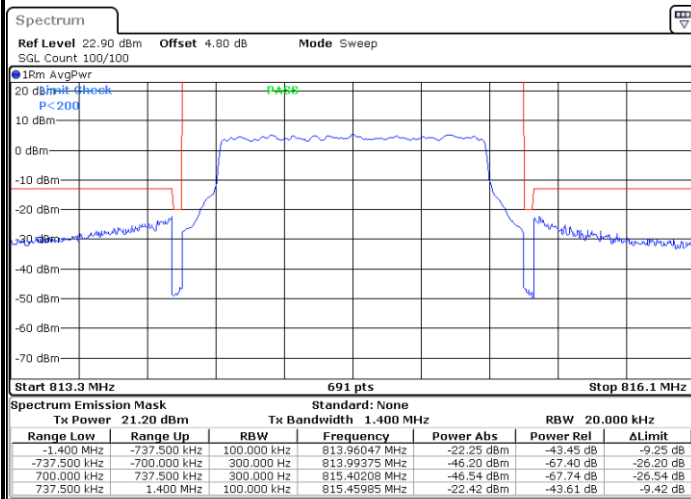
Lowest Band Edge / 1 RB



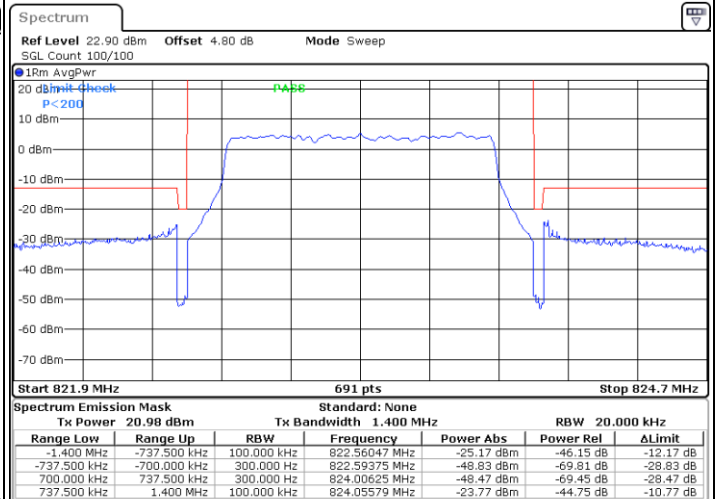
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



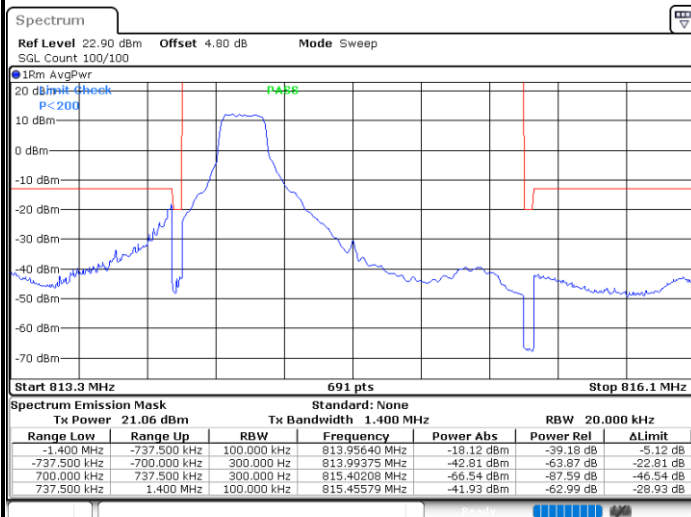
Highest Band Edge / Full RB



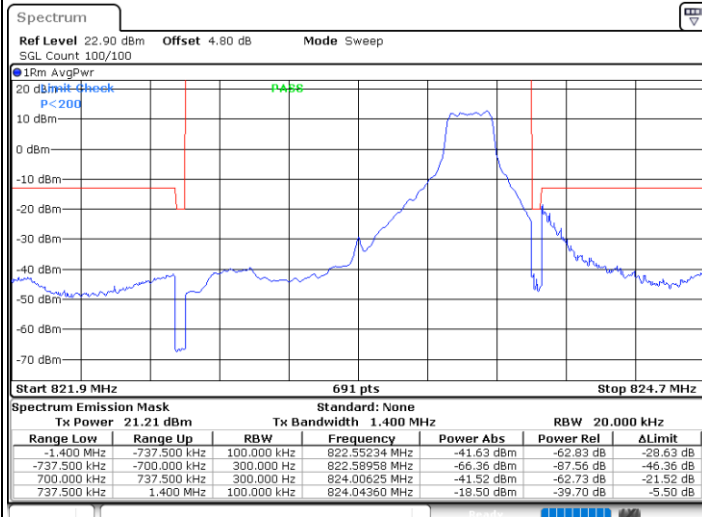


LTE Band 26 / 1.4MHz / 64QAM

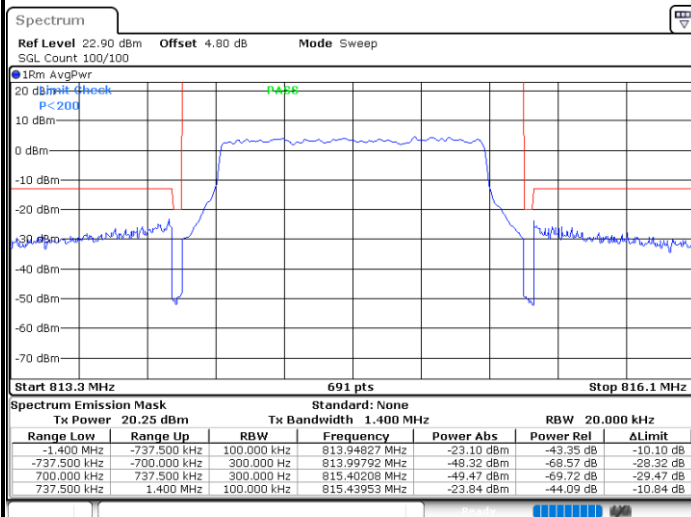
Lowest Band Edge / 1 RB



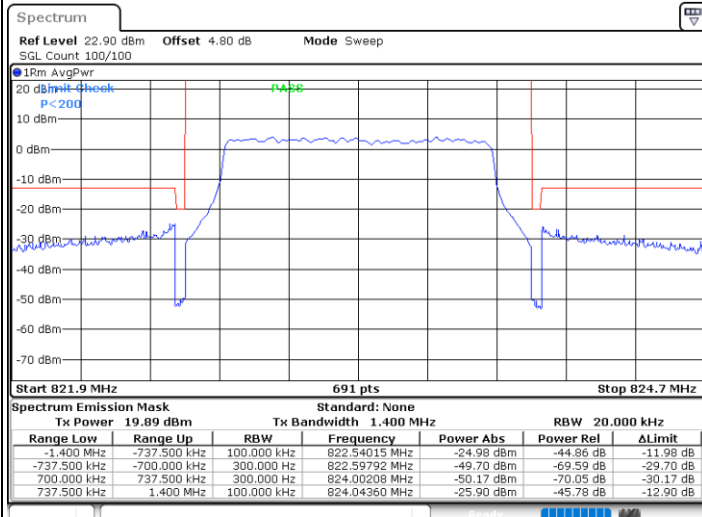
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



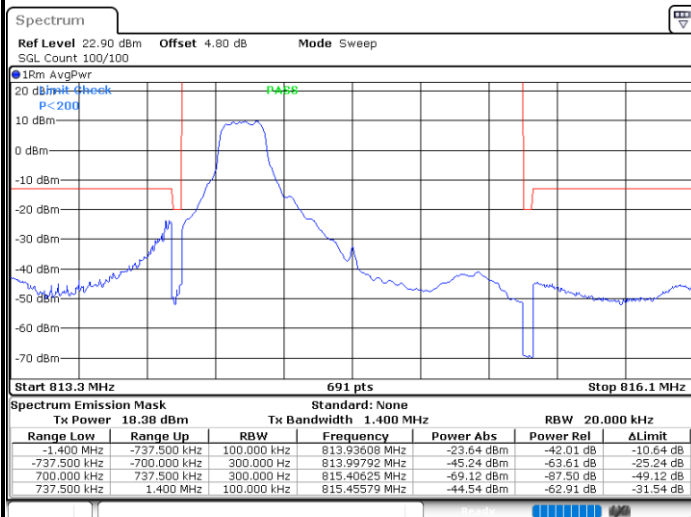
Highest Band Edge / Full RB



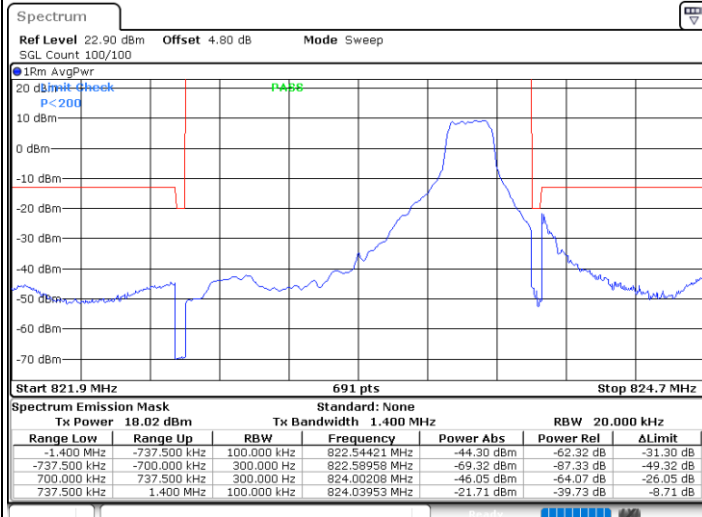


LTE Band 26 / 1.4MHz / 256QAM

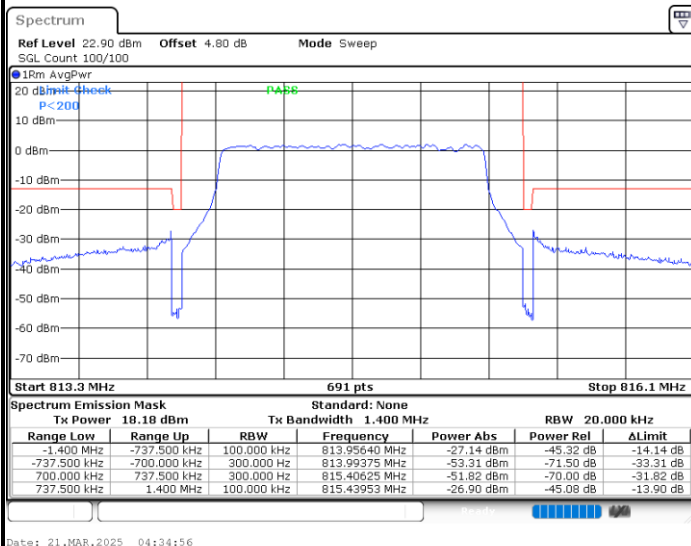
Lowest Band Edge / 1 RB



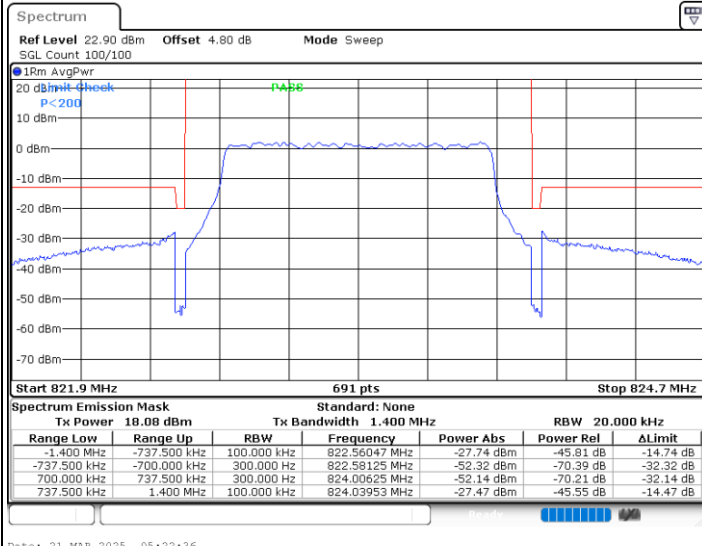
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



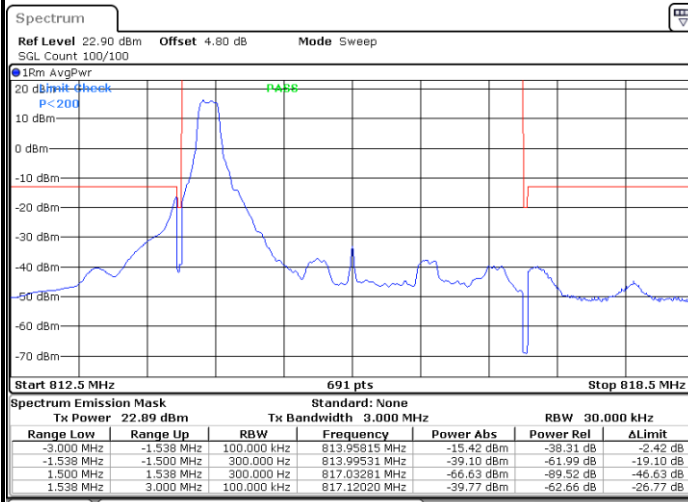
Highest Band Edge / Full RB



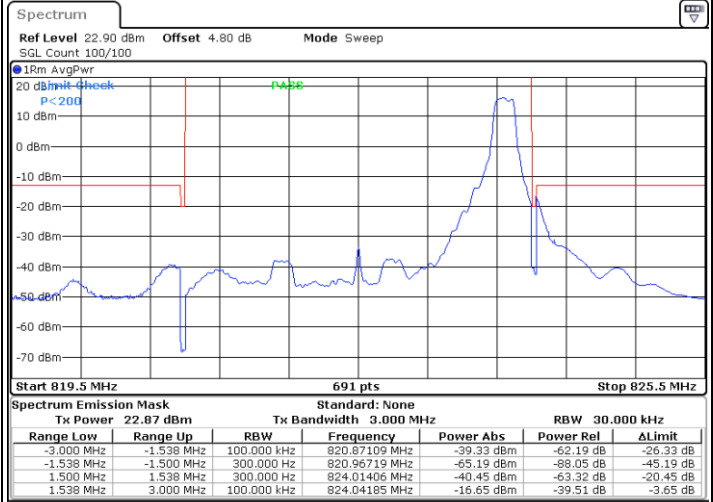


LTE Band 26 / 3MHz / QPSK

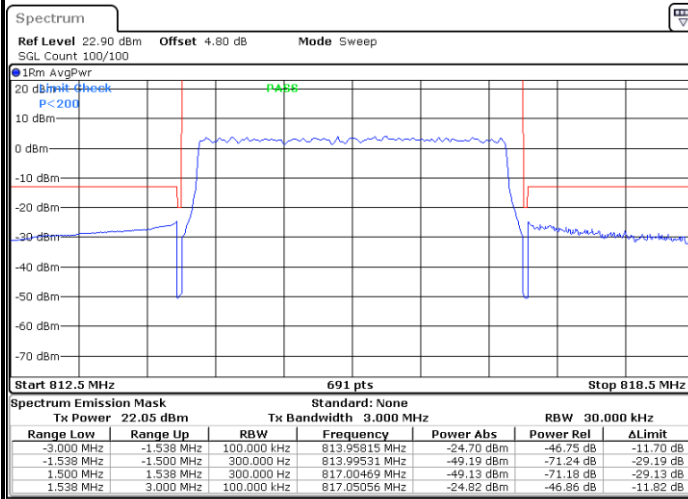
Lowest Band Edge / 1RB



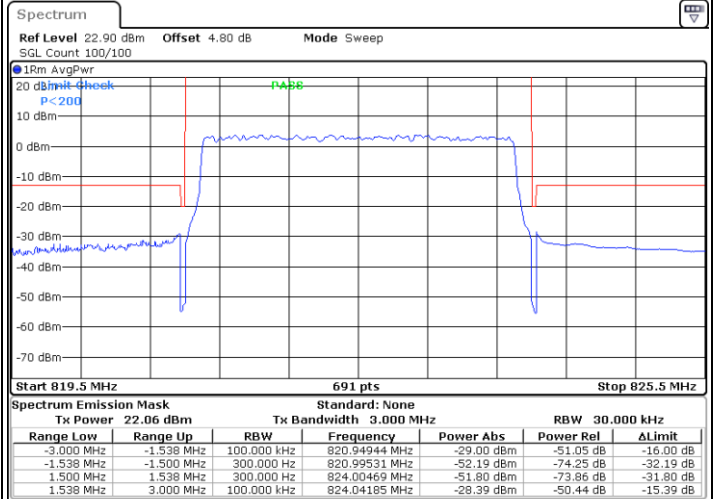
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



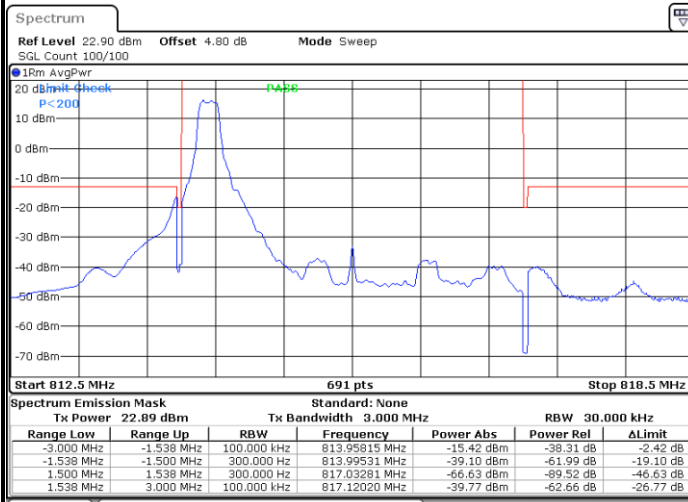
Highest Band Edge / Full RB



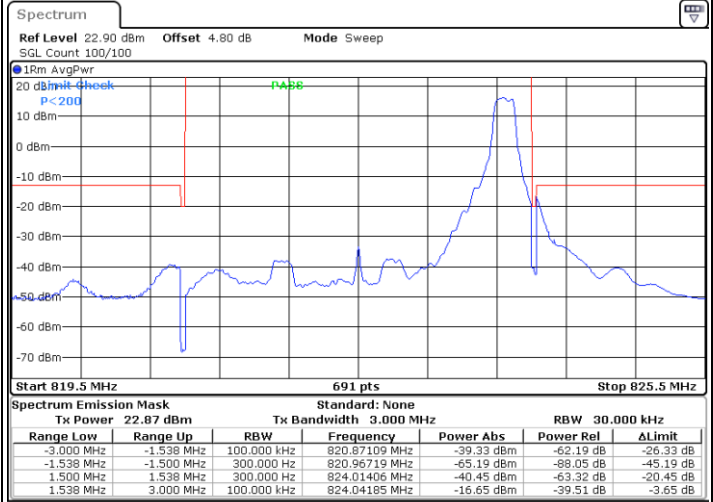


LTE Band 26 / 3MHz / 16QAM

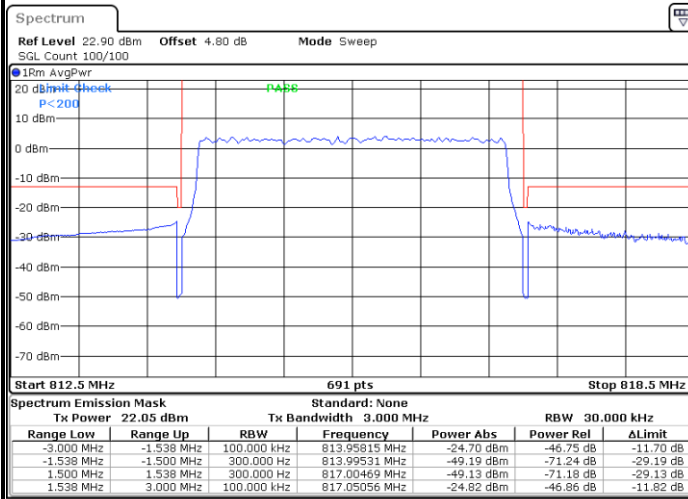
Lowest Band Edge / 1 RB



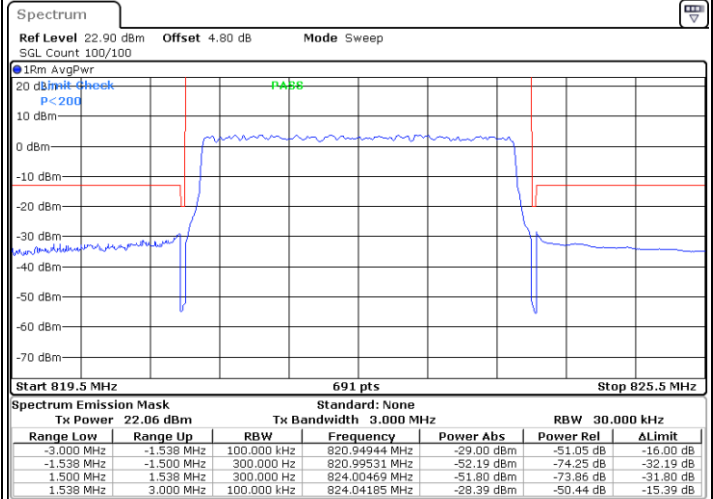
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



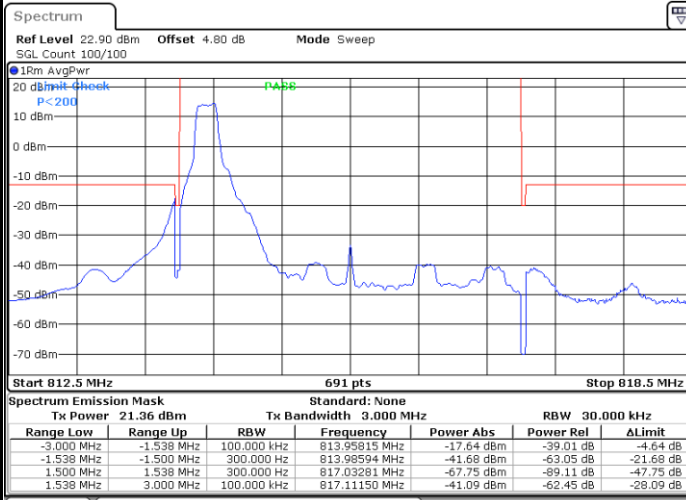
Highest Band Edge / Full RB



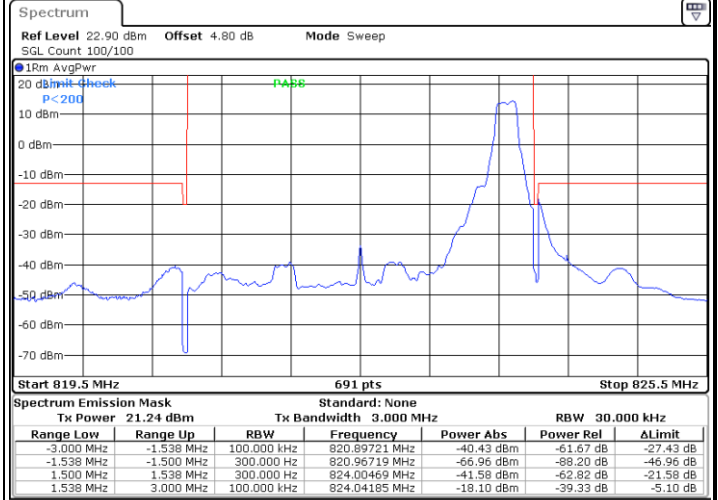


LTE Band 26 / 3MHz / 64QAM

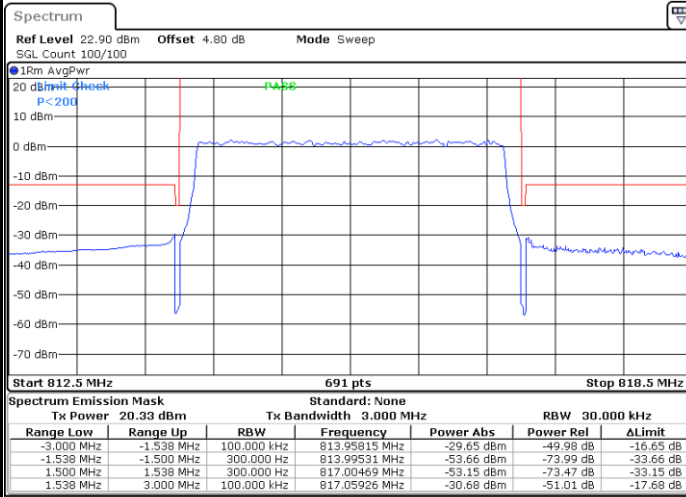
Lowest Band Edge / 1 RB



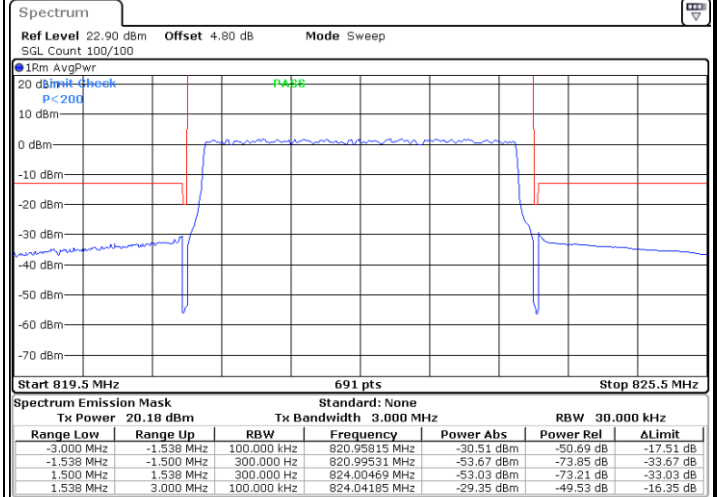
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



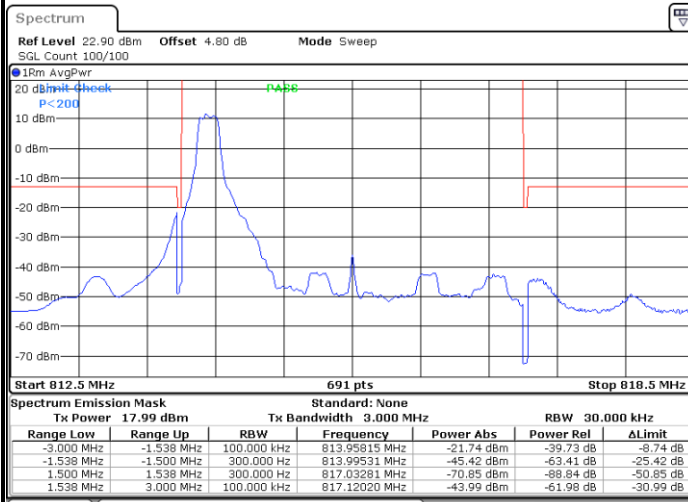
Highest Band Edge / Full RB



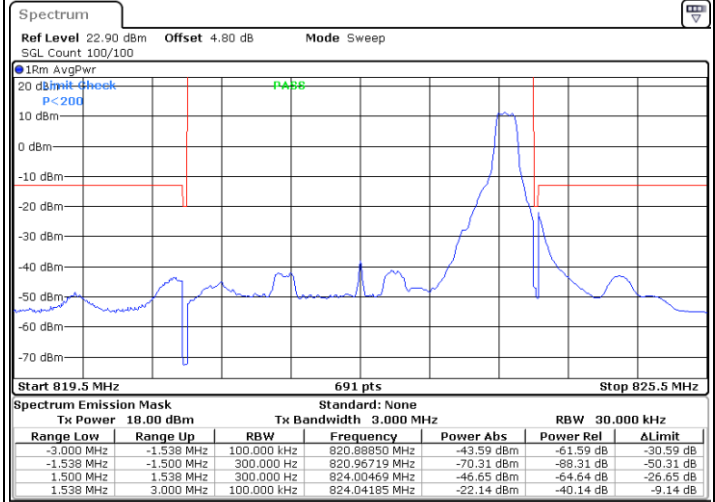


LTE Band 26 / 3MHz / 256QAM

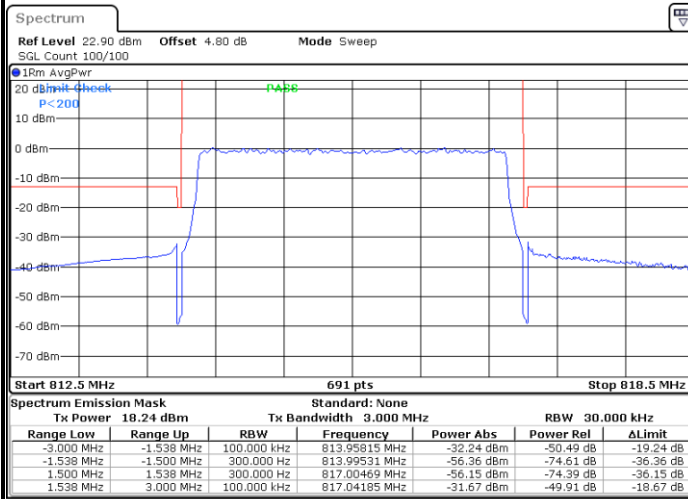
Lowest Band Edge / 1 RB



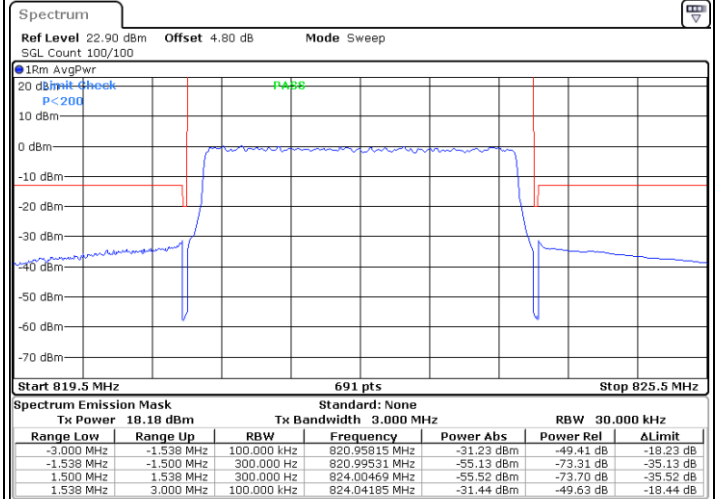
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



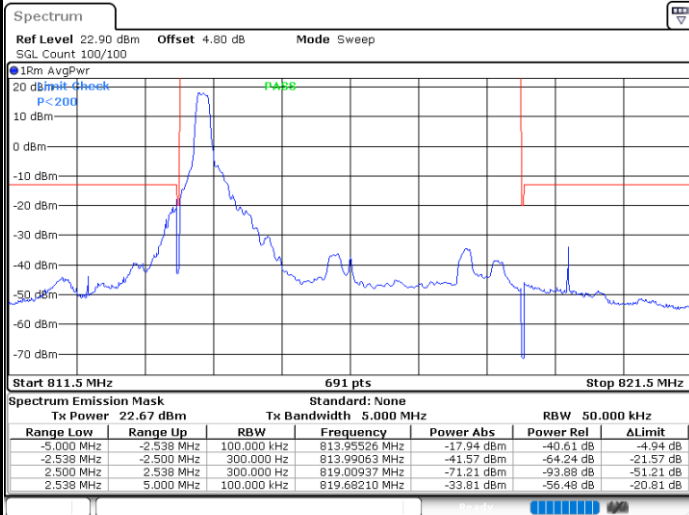
Highest Band Edge / Full RB



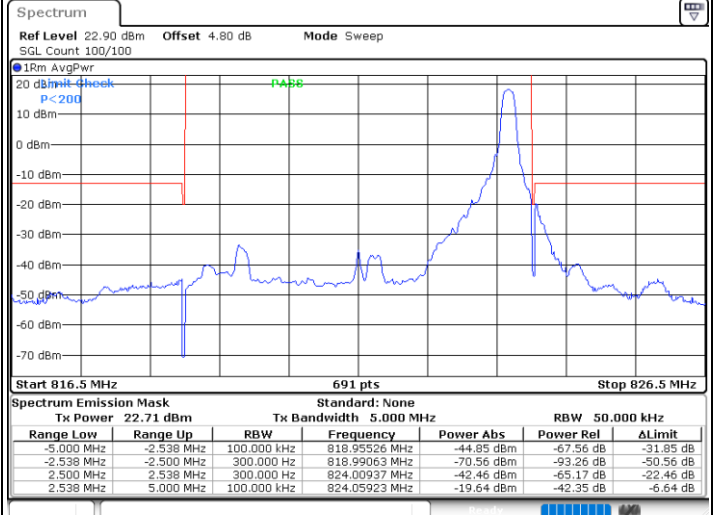


LTE Band 26 / 5MHz / QPSK

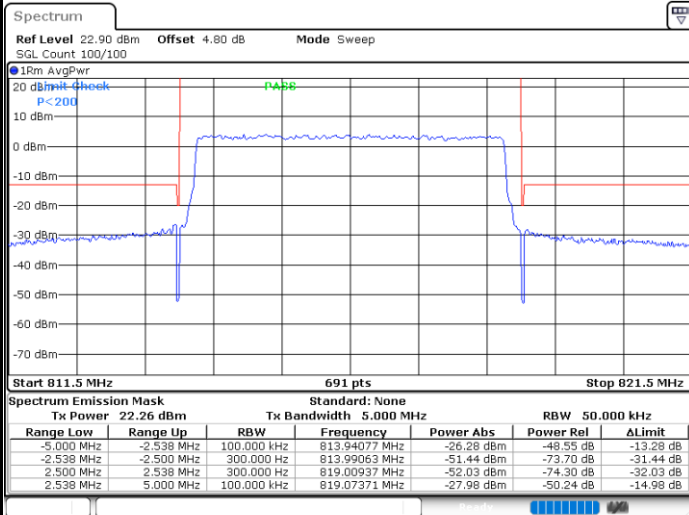
Lowest Band Edge / 1 RB



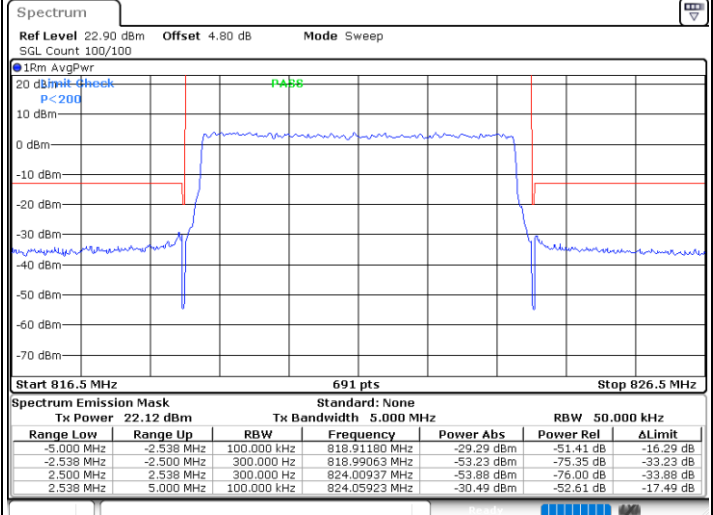
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



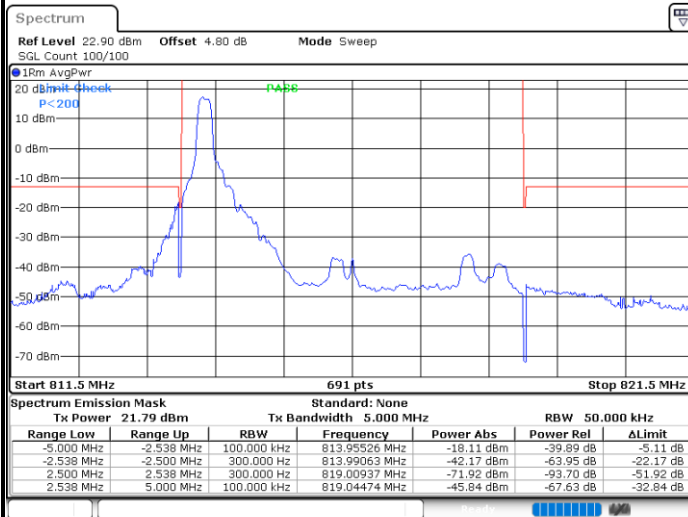
Highest Band Edge / Full RB



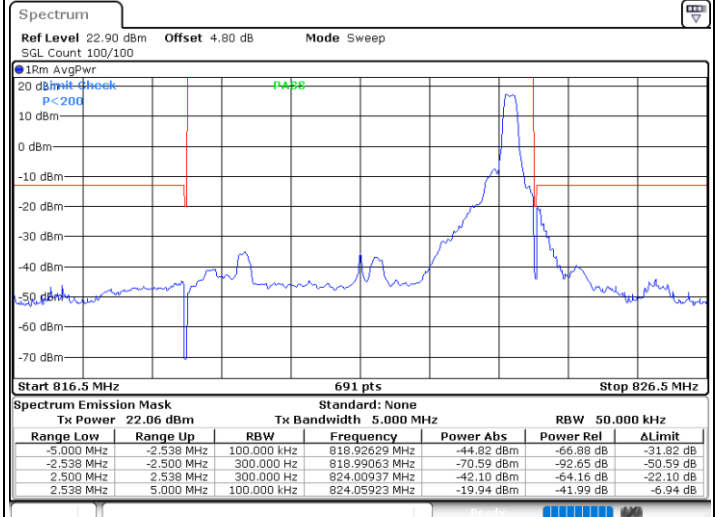


LTE Band 26 / 5MHz / 16QAM

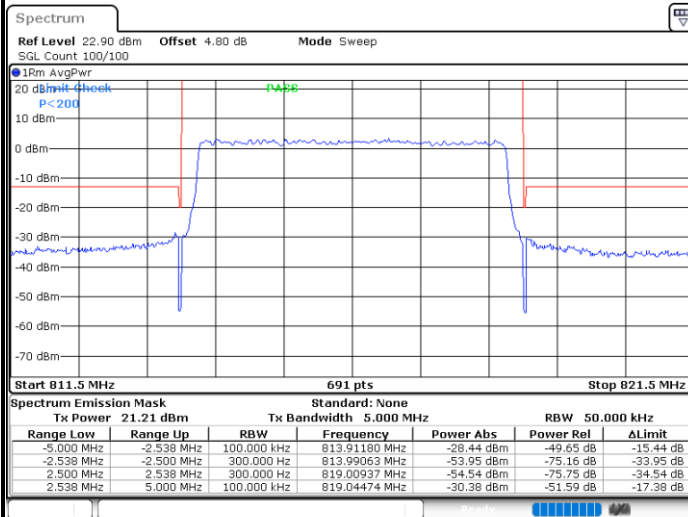
Lowest Band Edge / 1RB



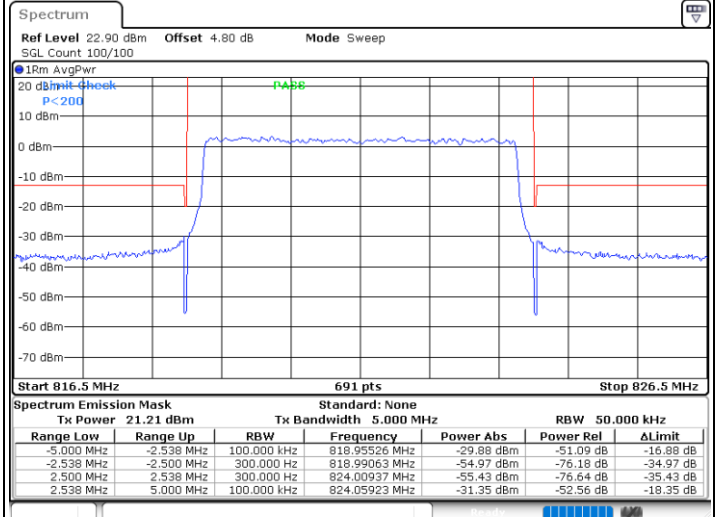
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



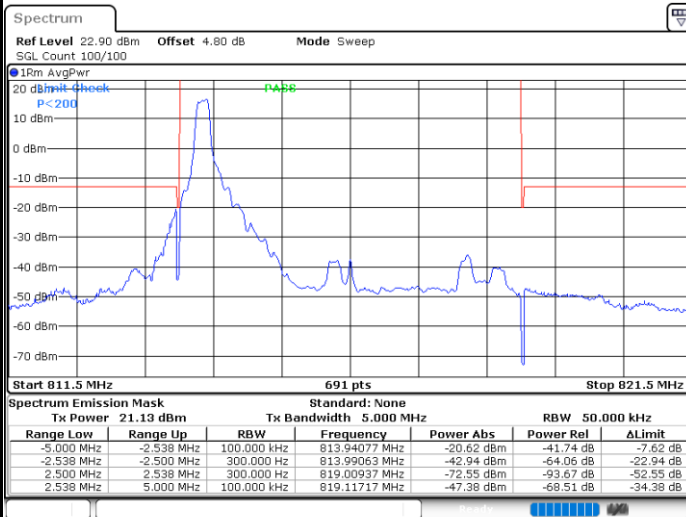
Highest Band Edge / Full RB



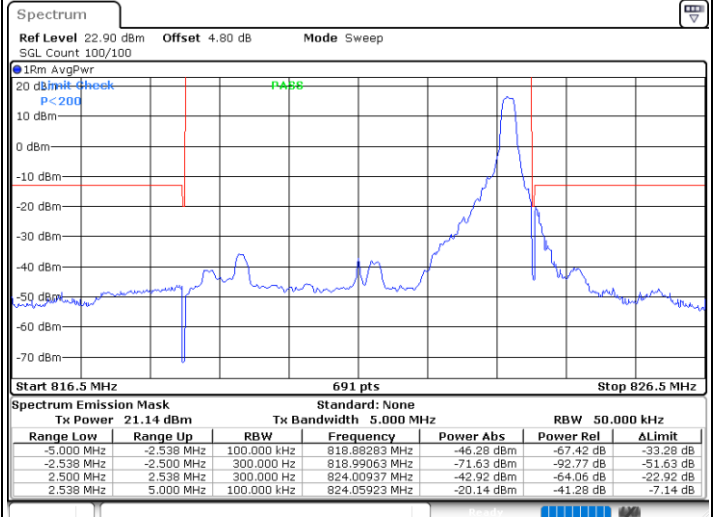


LTE Band 26 / 5MHz / 64QAM

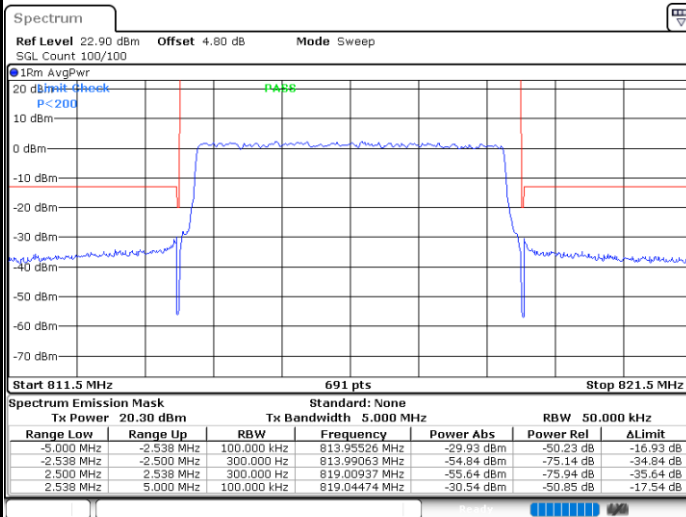
Lowest Band Edge / 1RB



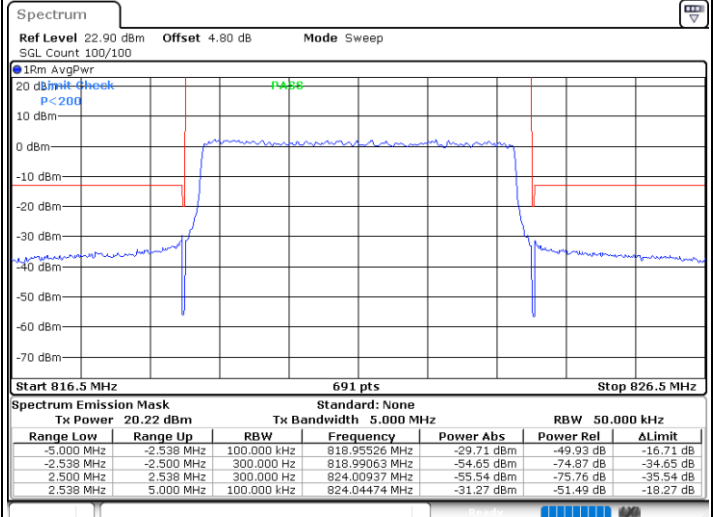
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



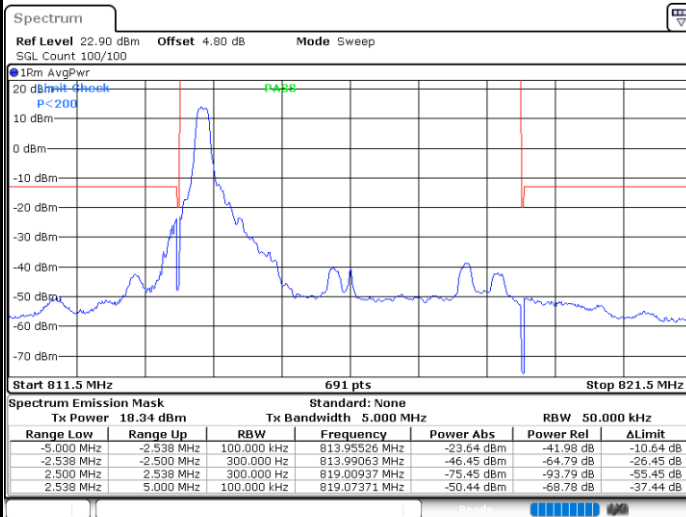
Highest Band Edge / Full RB



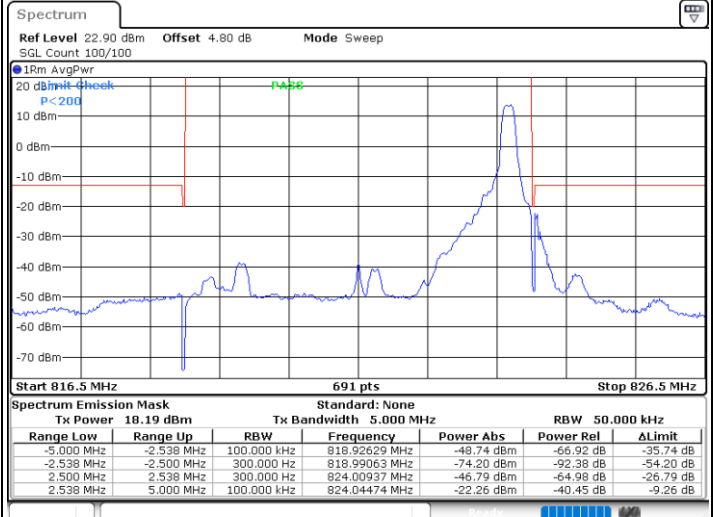


LTE Band 26 / 5MHz / 256QAM

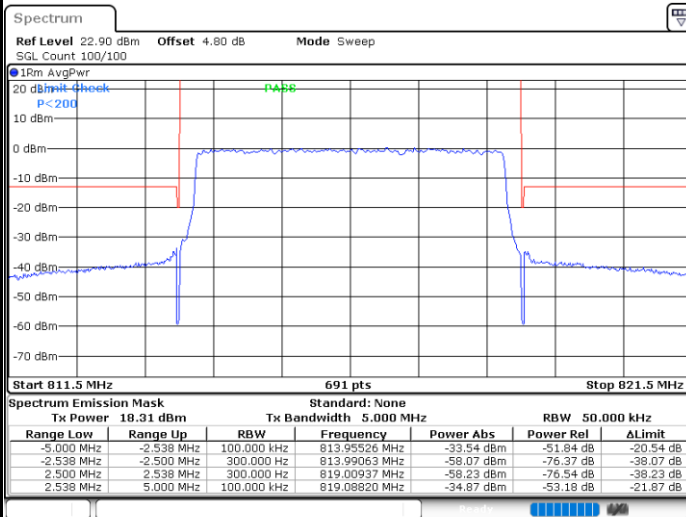
Lowest Band Edge / 1RB



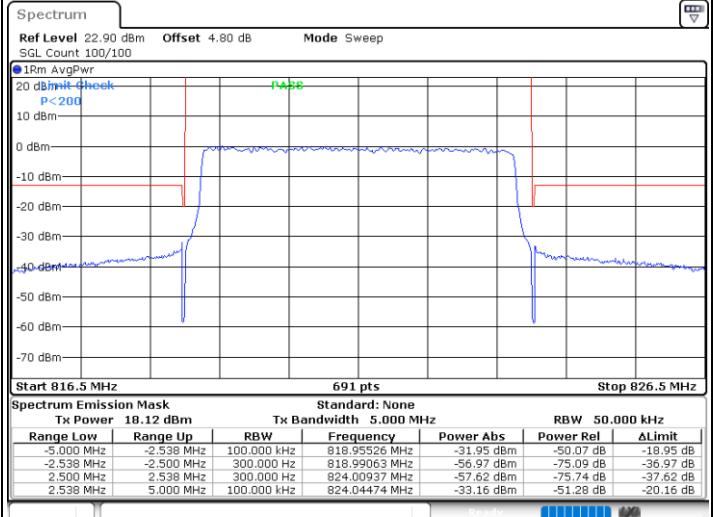
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

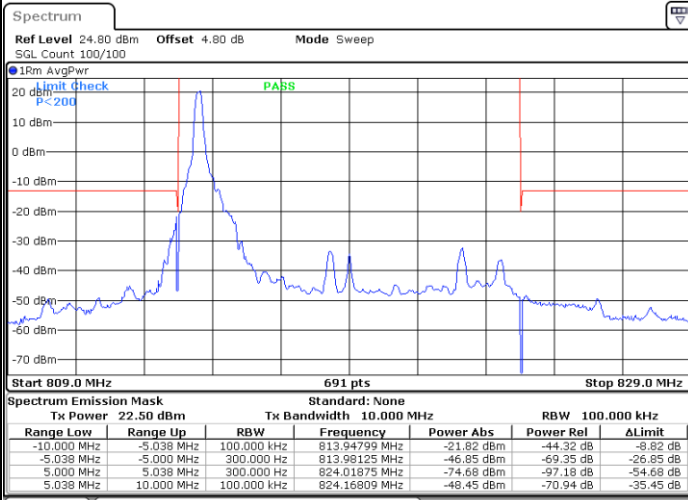




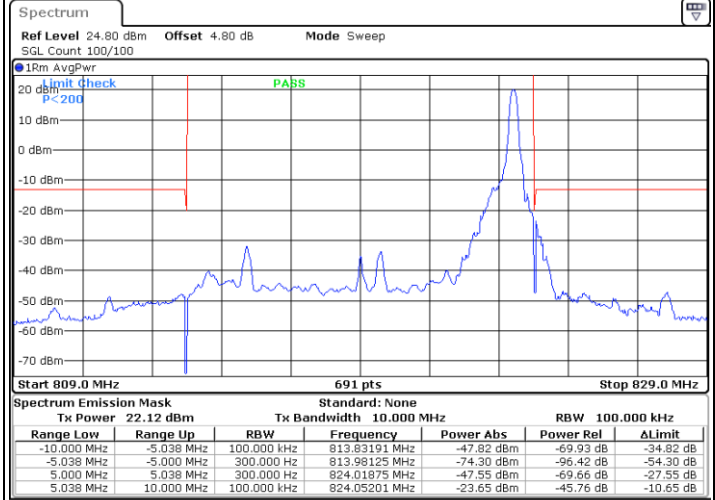
LTE Band 26 / 10MHz / QPSK

Middle Band Edge / 1 RB

Middle Band Edge / 1 RB max

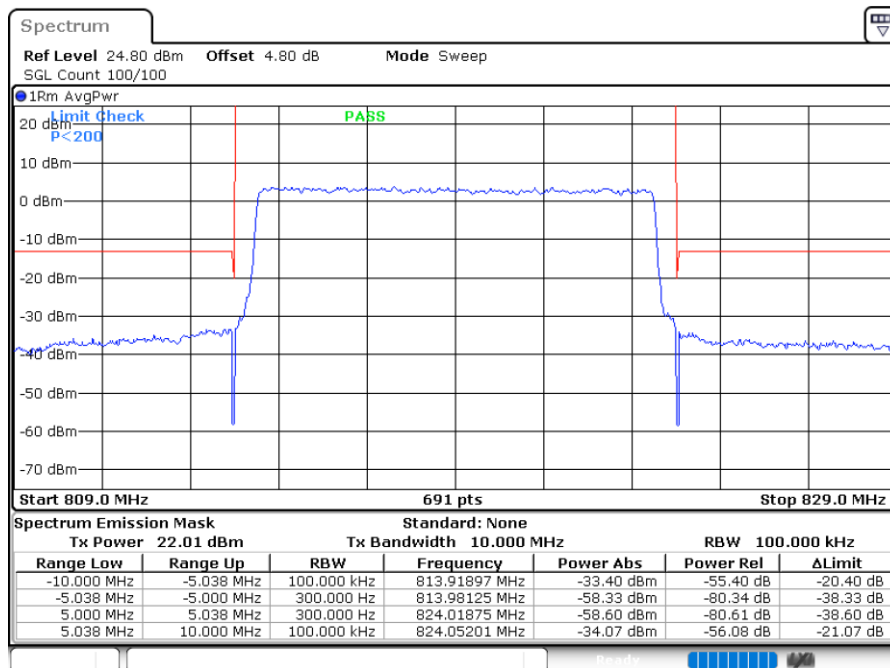


Date: 21.MAR.2025 06:48:51



Date: 21.MAR.2025 06:55:04

Band Edge / Full RB



Date: 21.MAR.2025 06:59:28