



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
FG530724-01B	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	$\pm 0.1\%$
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	$\pm 0.1\%$
Frequency	± 0.04 Hz

Uncertainty of Conducted Measurement (WWAN)

Test Item	Uncertainty
Conducted Spurious Emission & Bandedge	± 2.22 dB
Occupied Channel Bandwidth	$\pm 0.1\%$
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
---	---------

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

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

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. Radiated Spurious Emission

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

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					

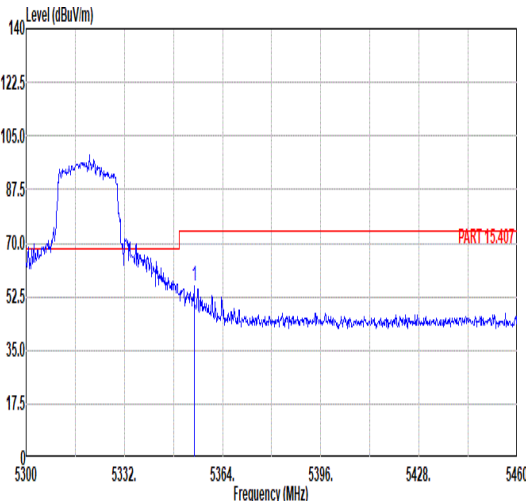
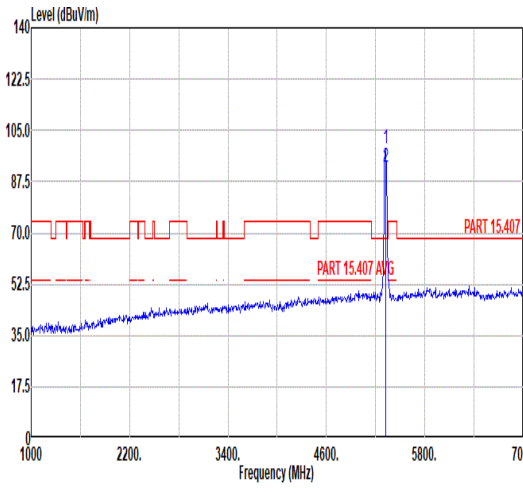
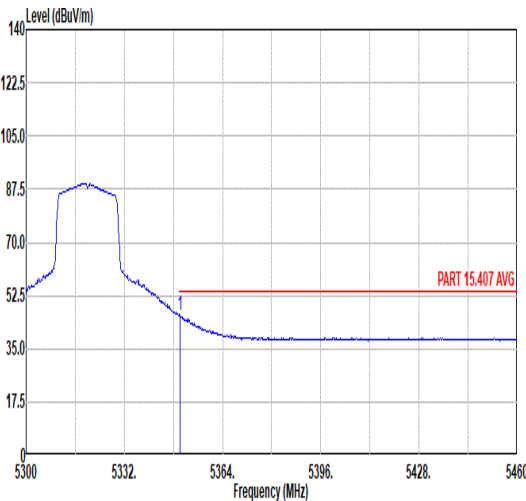
Summary of each worse mode

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

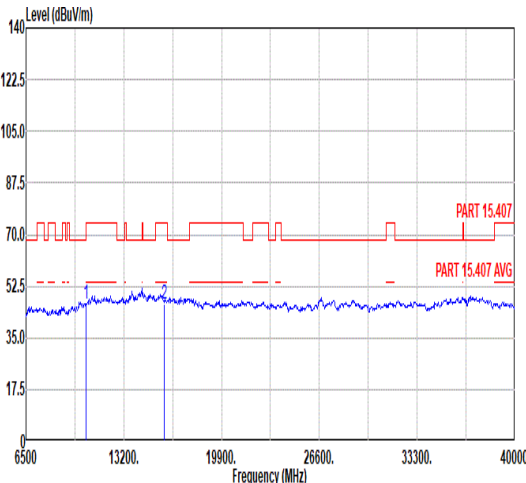
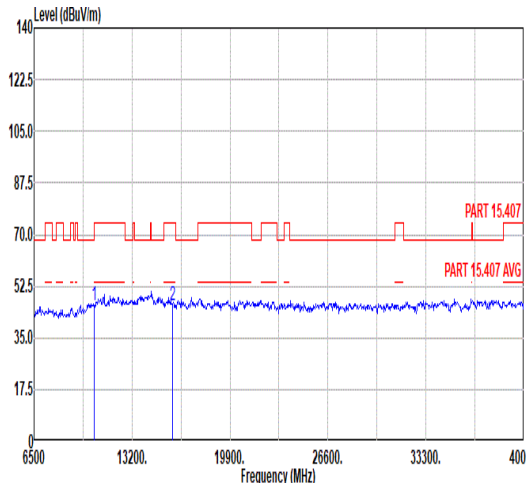


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Pol.	Horizontal	Fundamental																																																																																																
Peak	Horizontal Peak Spectrum Plot showing Level (dBuV/m) vs Frequency (MHz). The plot shows a signal peaking at approximately 105 dBuV/m around 5315 MHz. A red limit line is at 70.0 dBuV/m. A vertical blue line marks the peak at 5351.52 MHz. The text 'PART 15.407' is visible in the plot area. <table><thead><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th><th></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>Remark</th></tr><tr><th></th><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><th></th></tr></thead><tbody><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></tbody></table>		Limit	Read	Ant	Cable	Preamp	APos	TPos		Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Remark		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	Fundamental Peak Spectrum Plot showing Level (dBuV/m) vs Frequency (MHz). The plot shows a signal peaking at approximately 105 dBuV/m around 5315 MHz. A red limit line is at 70.0 dBuV/m. A vertical blue line marks the peak at 5351.52 MHz. The text 'PART 15.407' is visible in the plot area. <table><thead><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th><th></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>Remark</th></tr><tr><th></th><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><th></th></tr></thead><tbody><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></tbody></table>		Limit	Read	Ant	Cable	Preamp	APos	TPos		Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Remark		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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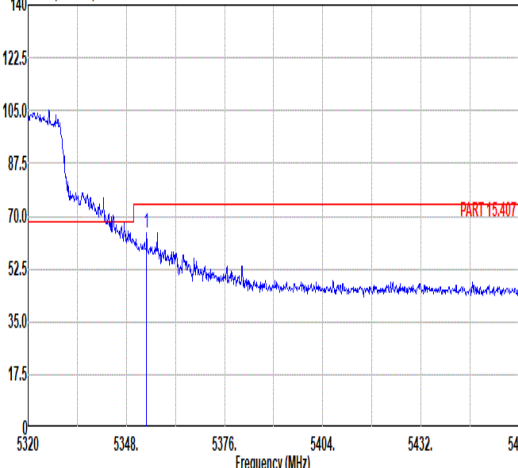
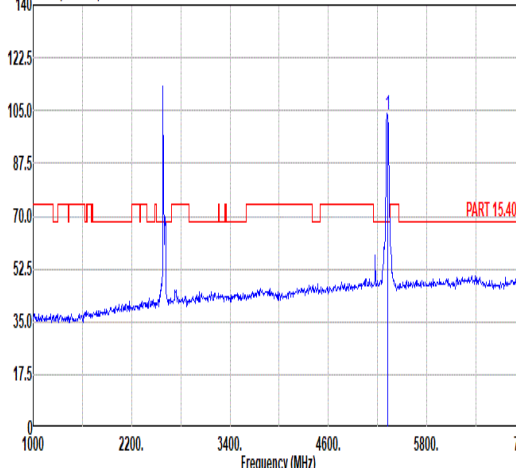
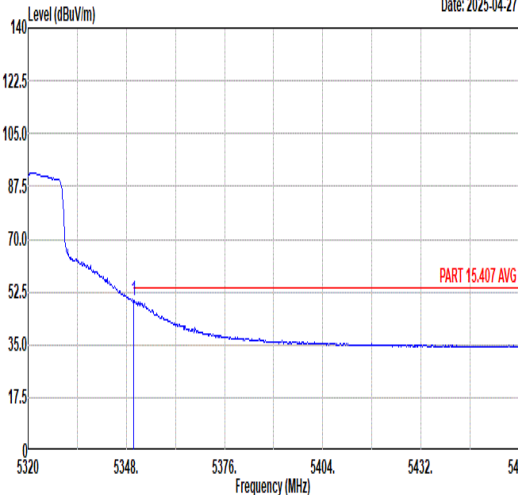
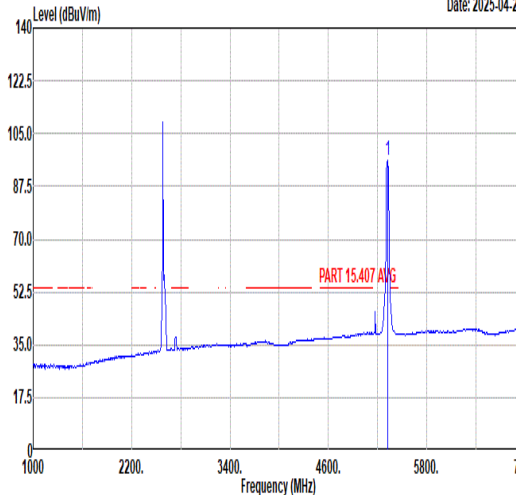


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Remark: All signals exceeding the limit are fundamental frequency signals and can be ignored.

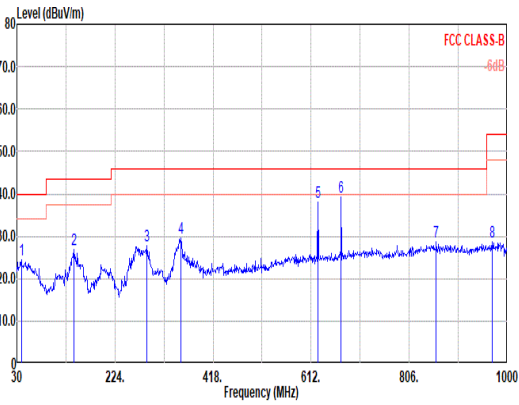
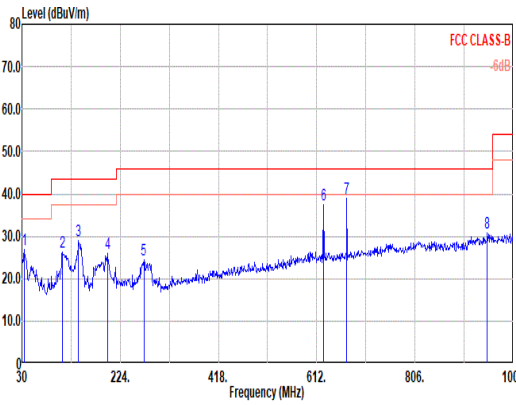


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Remark: 625.5MHz & 671.5MHz are WWAN fundamental frequency signals and can be ignored



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 22(H), 24(E), 27(L)
CLASSIFICATION : PCS Licensed Transmitter Held to Ear (PCE)
TEST DATE(S) : Mar. 19, 2025 ~ Apr. 07, 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
FG530724B	Rev. 01	Initial issue of report	Apr. 21, 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	-
	§24.232(c)	Equivalent Isotropic Radiated Power (Band 2) (Band 25)	EIRP < 2Watt		-
	§27.50(d)(4)	Equivalent Isotropic Radiated Power (Band 4) (Band 66)	EIRP < 1Watt		-
3.5	§24.232(d)	Peak-to-Average Ratio	<13 dB	PASS	-
3.6	§2.1049	Occupied Bandwidth	-	Report Only	-
3.7	§2.1051 §22.917(a) §24.238(a) §27.53(h)	Conducted Band Edge Measurement (Band 2) (Band 4) (Band 5) (Band 25) (Band 26) (Band 66)	< 43+10log ₁₀ (P[Watts])	PASS	-
3.8	§2.1051 §22.917(a) §24.238(a) §27.53(h)	Conducted Spurious Emission (Band 2) (Band 4) (Band 5) (Band 25) (Band 26) (Band 66)	< 43+10log ₁₀ (P[Watts])	PASS	-
3.9	§2.1055 §22.355	Frequency Stability Temperature & Voltage	< 2.5 ppm for Part 22	PASS	-
	§2.1055 §24.235 §27.54		Within Authorized Band		
4.4	§2.1053 §22.917(a) §24.238(a) §27.53(h)	Radiated Spurious Emission (Band 2) (Band 4) (Band 5) (Band 25) (Band 26) (Band 66)	< 43+10log ₁₀ (P[Watts])	PASS	Under limit 21.09 dB at 1649.50 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/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 Product 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

Standards-related Product Specification	
Tx Frequency	LTE Band 2 : 1850 MHz ~ 1910 MHz LTE Band 4 : 1710 MHz ~ 1755 MHz LTE Band 5 : 824 MHz ~ 849 MHz LTE Band 25 : 1850 MHz ~ 1915 MHz LTE Band 26 : 824 MHz ~ 849 MHz LTE Band 66 : 1710 MHz ~ 1780 MHz
Rx Frequency	LTE Band 2 : 1930 MHz ~ 1990 MHz LTE Band 4 : 2110 MHz ~ 2155 MHz LTE Band 5 : 869 MHz ~ 894 MHz LTE Band 25 : 1930 MHz ~ 1995 MHz LTE Band 26 : 869 MHz ~ 894 MHz LTE Band 66 : 2110 MHz~ 2180 MHz
Bandwidth	LTE Band 2 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 4 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 5 : 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 25 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 26 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz



	LTE Band 66 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz
Maximum Output Power to Antenna	<ANT0>: LTE Band 5 : 22.49 dBm LTE Band 26 : 22.65 dBm <ANT1>: LTE Band 2 : 22.87 dBm LTE Band 4 : 22.86 dBm LTE Band 25 : 22.93 dBm LTE Band 66 : 22.93 dBm <ANT4>: LTE Band 2 : 22.44 dBm LTE Band 4 : 22.52 dBm LTE Band 5 : 22.59 dBm LTE Band 25 : 22.56 dBm LTE Band 26 : 22.61 dBm LTE Band 66 : 22.53 dBm
Antenna Gain	<ANT0>: LTE Band 5 : -5.4 dBi LTE Band 26 : -5.4 dBi <ANT1>: LTE Band 2 : -3.1 dBi LTE Band 4 : -3.6 dBi LTE Band 25 : -3.1 dBi LTE Band 66 : -3.6 dBi <ANT4>: LTE Band 2 : -3.9 dBi LTE Band 4 : -3.3 dBi LTE Band 5 : -4.3 dBi LTE Band 25 : -3.3 dBi LTE Band 26 : -4.3 dBi LTE Band 66 : -3.3 dBi
Type of Modulation	QPSK / 16QAM / 64QAM / 256QAM

Note:

1. The maximum ERP/EIRP is calculated from max output power and max antenna gain, so only the maximum ERP/EIRP of Antenna 1 for LTE Band2/4/25/66 and Antenna 4 for LTE Band5/26 are shown in the report.
2. The device supports two PAs for LTE Band 2/4/66, (main PA, and other PA only support inter_CA), both the PAs are full tested, only the worst EIRP are shown in the report. According to the maximum power, LTE B66 covers B4 for other PA.

1.5 Modification of EUT

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



1.6 Maximum ERP/EIRP and Emission Designator

LTE Band 2		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
1.4	1850.7 ~ 1909.3	0.0942	1M09G7D	0.0748	1M09W7D
3	1851.5 ~ 1908.5	0.0944	2M70G7D	0.0818	2M73W7D
5	1852.5 ~ 1907.5	0.0944	4M50G7D	0.0813	4M50W7D
10	1855.0 ~ 1905.0	0.0944	8M99G7D	0.0836	9M05W7D
15	1857.5 ~ 1902.5	0.0938	13M5G7D	0.0834	13M5W7D
20	1860.0 ~ 1900.0	0.0948	17M9G7D	0.0824	17M9W7D
LTE Band 25		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
1.4	1850.7 ~ 1914.3	0.0955	1M09G7D	0.0832	1M09W7D
3	1851.5 ~ 1913.5	0.0946	2M72G7D	0.0824	2M72W7D
5	1852.5 ~ 1912.5	0.0942	4M49G7D	0.0828	4M50W7D
10	1855.0 ~ 1910.0	0.0940	9M05G7D	0.0832	8M97W7D
15	1857.5 ~ 1907.5	0.0944	13M5G7D	0.0822	13M5W7D
20	1860.0 ~ 1905.0	0.0962	17M9G7D	0.0841	17M9W7D
LTE Band 4		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
1.4	1710.7 ~ 1754.3	0.0839	1M10G7D	0.0685	1M10W7D
3	1711.5 ~ 1753.5	0.0834	2M72G7D	0.0664	2M72W7D
5	1712.5 ~ 1752.5	0.0841	4M50G7D	0.0656	4M49W7D
10	1715.0 ~ 1750.0	0.0836	9M05G7D	0.0675	8M99W7D
15	1717.5 ~ 1747.5	0.0836	13M5G7D	0.0673	13M6W7D
20	1720.0 ~ 1745.0	0.0843	17M9G7D	0.0675	17M9W7D



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	0.0409	1M09G7D	0.0327	1M09W7D
3	825.5 ~ 847.5	0.0408	2M72G7D	0.0332	2M72W7D
5	826.5 ~ 846.5	0.0409	4M49G7D	0.0336	4M50W7D
10	829.0 ~ 844.0	0.0411	9M09G7D	0.0333	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	0.0399	1M09G7D	0.0386	1M09W7D
3	825.5 ~ 847.5	0.0406	2M72G7D	0.0327	2M72W7D
5	826.5 ~ 846.5	0.0407	4M49G7D	0.0327	4M50W7D
10	829.0 ~ 844.0	0.0406	9M09G7D	0.0330	9M03W7D
15	831.5 ~ 841.5	0.0413	13M4G7D	0.0330	13M4W7D
CH26790	824.0	0.0394	13M5G7D	0.0311	13M4W7D
LTE Band 66		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
1.4	1710.7 ~ 1779.3	0.0851	1M10G7D	0.0693	1M10W7D
3	1711.5 ~ 1778.5	0.0843	2M72G7D	0.0671	2M72W7D
5	1712.5 ~ 1777.5	0.0834	4M50G7D	0.0679	4M49W7D
10	1715.0 ~ 1775.0	0.0845	9M05G7D	0.0681	8M99W7D
15	1717.5 ~ 1772.5	0.0838	13M5G7D	0.0671	13M6W7D
20	1720.0 ~ 1770.0	0.0857	17M9G7D	0.0682	17M9W7D

Note:

1. 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.
2. LTE Band 66 overlaps the entire frequency range of LTE Band 4. Therefore, the test results provided in this report covers Band 66 as well as Band 4.
3. LTE Band 25 overlaps the entire frequency range of LTE Band 2. Therefore, the test results provided in this report covers Band 25 as well as Band 2.
4. 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. (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 4.4 of this report.

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), 24(E), 27(L)
- 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.

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

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.

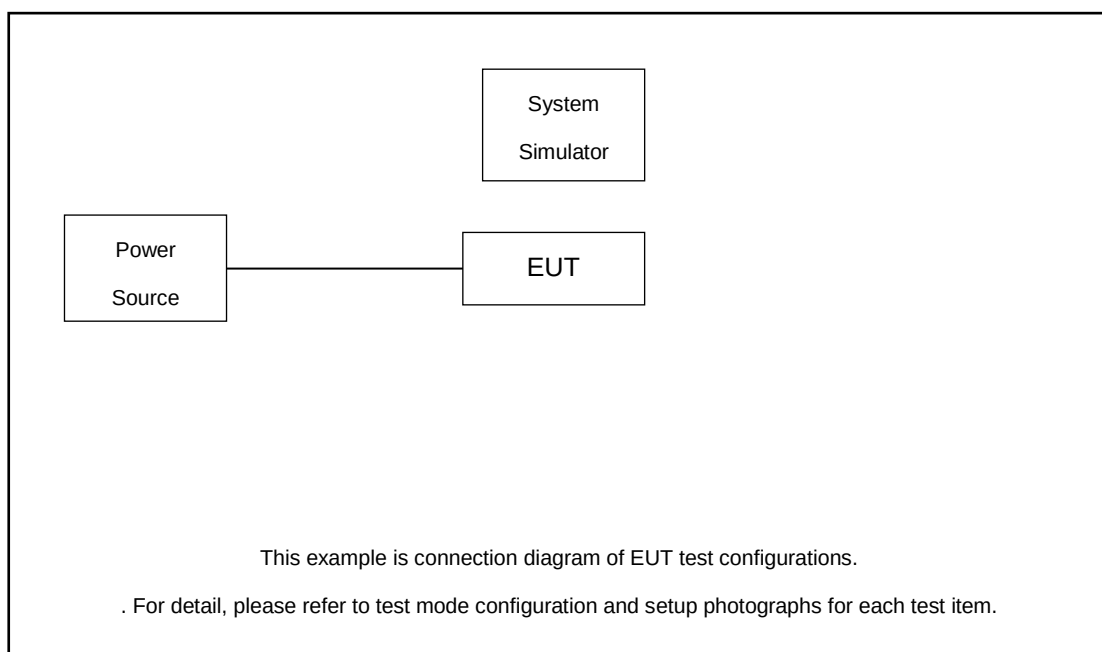
Radiated measurements are performed by rotating the EUT in three different orthogonal test planes to find the maximum emission. (Y Plane)

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	2	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	4	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	5	v	v	v	v	-	-	v	v	v	v	v	v	v	v	v	v
	25	v	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
	66	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Peak-to-Average Ratio	2						v	v	v	v	v			v		v	
	25						v	v	v	v	v			v		v	
	26				v		-	v	v	v	v			v		v	
	66						v	v	v	v	v			v		v	
26dB and 99% Bandwidth	2	v	v	v	v	v	v	v	v					v		v	
	25	v	v	v	v	v	v	v	v					v		v	
	26	v	v	v	v	v	-	v	v					v		v	
	66	v	v	v	v	v	v	v	v					v		v	
Conducted Band Edge	2	v	v	v	v	v	v	v	v	v	v	v		v	v		v
	25	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
	66	v	v	v	v	v	v	v	v	v	v	v		v	v		v
Conducted Spurious Emission	2	v	v	v	v	v	v	v				v			v	v	v
	25	v	v	v	v	v	v	v				v			v	v	v
	26	v	v	v	v	v	-	v				v			v	v	v
	66	v	v	v	v	v	v	v				v			v	v	v
Frequency Stability	2				v			v						v		v	
	25				v			v						v		v	
	26				v		-	v						v		v	
	66				v			v						v		v	



E.R.P / E.I.R.P	2	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	4	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	5	v	v	v	v	-	-	v	v	v	v	v	v	v	v	v	v
	25	v	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
	66	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Radiated Spurious Emission	25	Worst Case														v	
	26	Worst Case														v	
	66	Worst Case														v	
Note	1. The mark “v “ means that this configuration is chosen for testing 2. The mark “-“ means that this bandwidth is not supported. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.																

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

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

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 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.

Offset = RF cable loss.

Following shows an offset computation example with cable loss 5.6 dB.

Example :

$$\begin{aligned} \text{Offset(dB)} &= \text{RF cable loss(dB)}. \\ &= 5.6 \text{ (dB)} \end{aligned}$$

2.5 Frequency List of Low/Middle/High Channels

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

LTE Band 4 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	20050	20175	20300
	Frequency	1720	1732.5	1745
15	Channel	20025	20175	20325
	Frequency	1717.5	1732.5	1747.5
10	Channel	20000	20175	20350



	Frequency	1715	1732.5	1750
5	Channel	19975	20175	20375
	Frequency	1712.5	1732.5	1752.5
3	Channel	19965	20175	20385
	Frequency	1711.5	1732.5	1753.5
1.4	Channel	19957	20175	20393
	Frequency	1710.7	1732.5	1754.3

LTE Band 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 25 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	26140	26340	26590
	Frequency	1860	1880	1905
15	Channel	26115	26340	26615
	Frequency	1857.5	1880	1907.5
10	Channel	26090	26340	26640
	Frequency	1855	1880	1910
5	Channel	26065	26340	26665
	Frequency	1852.5	1880	1912.5
3	Channel	26055	26340	26675
	Frequency	1851.5	1880	1913.5
1.4	Channel	26047	26340	26683
	Frequency	1850.7	1880	1914.3



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

LTE Band 66 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	132072	132322	132572
	Frequency	1720	1745	1770
15	Channel	132047	132322	132597
	Frequency	1717.5	1745	1772.5
10	Channel	132022	132322	132622
	Frequency	1715	1745	1775
5	Channel	131997	132322	132647
	Frequency	1712.5	1745	1777.5
3	Channel	131987	132322	132657
	Frequency	1711.5	1745	1778.5
1.4	Channel	131979	132322	132665
	Frequency	1710.7	1745	1779.3

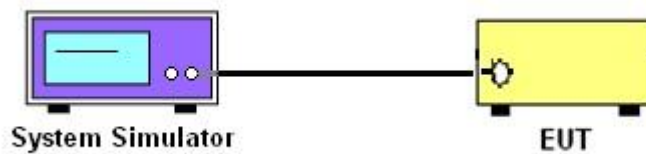
3 Conducted Test Items

3.1 Measuring Instruments

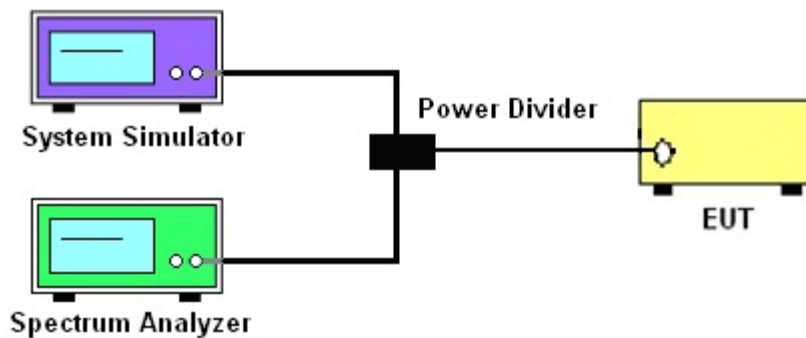
See list of measuring instruments of this test report.

3.2 Test Setup

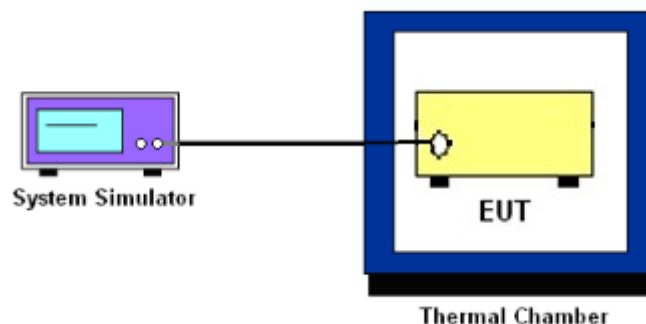
3.2.1 Conducted Output Power



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/EIRP

3.4.1 Description of the Conducted Output Power Measurement and ERP/EIRP Measurement

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

The ERP of mobile transmitters must not exceed 7 Watts for LTE Band 5 and Band 26.

The EIRP of mobile transmitters must not exceed 2 Watts for LTE Band 2 and Band 25.

The EIRP of mobile transmitters must not exceed 1 Watts for LTE Band 4 and Band 66.

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 $P(\text{Watts})$ in a 100kHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

24.238 (a)

For operations in the 1850-1910 and 1930-1990 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 1MHz bandwidth. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

27.53 (h)

For operations in the 1710 – 1755 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 1 MHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

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 or a narrower RBW was used and the measured power was integrated over the full required measurement bandwidth of 1 MHz.
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)

$$= P(W) - [43 + 10\log(P)] \text{ (dB)}$$

$$= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)} = -13\text{dBm}.$$

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

3.9 Frequency Stability

3.9.1 Description of Frequency Stability Measurement

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

3.9.2 Test Procedures for Temperature Variation

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

3.9.3 Test Procedures for Voltage Variation

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

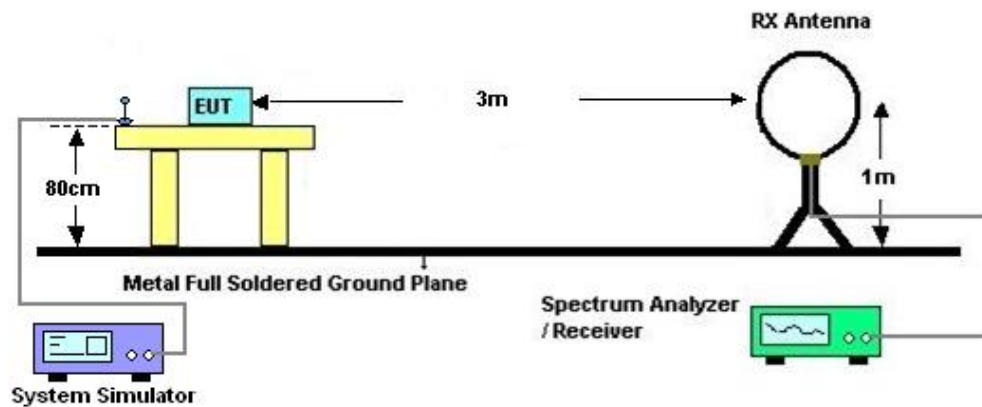
4 Radiated Test Items

4.1 Measuring Instruments

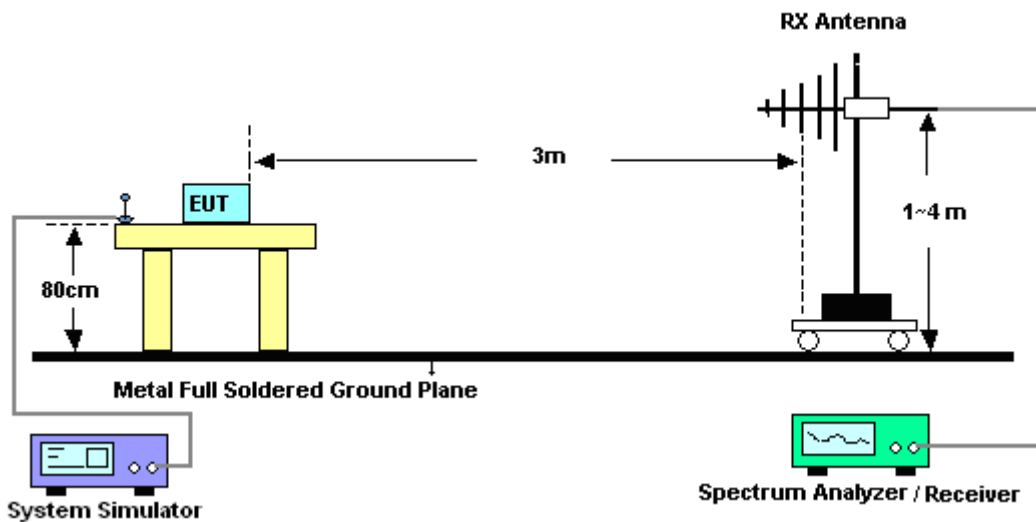
See list of measuring instruments of this test report.

4.2 Test Setup

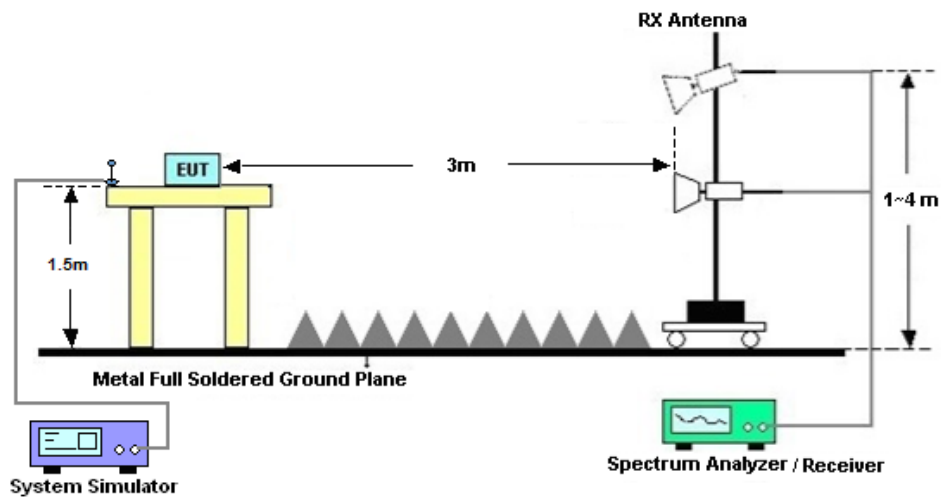
4.2.1 For radiated test below 30MHz



4.2.2 For radiated test from 30MHz to 1GHz



4.2.3 For radiated test above 1GHz



4.3 Test Result of Radiated Test

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

Please refer to Appendix B.

4.4 Radiated Spurious Emission

4.4.1 Description of Radiated Spurious Emission

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

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

4.4.2 Test Procedures

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

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



5 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. 19, 2025~ Mar. 31, 2025	Oct. 09, 2025	Conducted (TH01-KS)
Power divider	STI	STI08-0055	-	0.5~40GHz	NCR	Mar. 19, 2025~ Mar. 31, 2025	NCR	Conducted (TH01-KS)
Temperature & humidity chamber	Hongzhan	LP-150U	H2014011440	-40~+150°C 20%~95%RH	Jul. 04, 2024	Mar. 19, 2025~ Mar. 31, 2025	Jul. 03, 2025	Conducted (TH01-KS)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 03, 2024	Mar. 29, 2025~ Apr. 07, 2025	Jul. 02, 2025	Radiation (03CH02-SZ)
Loop Antenna	R&S	HFH2-Z2E	101141	9kHz~30MHz	Dec. 28, 2024	Mar. 29, 2025~ Apr. 07, 2025	Dec. 27, 2025	Radiation (03CH02-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz-2GHz	Oct. 24, 2023	Mar. 29, 2025~ Apr. 07, 2025	Oct. 23, 2025	Radiation (03CH02-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Jul. 04, 2024	Mar. 29, 2025~ Apr. 07, 2025	Jul. 04, 2025	Radiation (03CH02-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 03, 2024	Mar. 29, 2025~ Apr. 07, 2025	Jul. 03, 2025	Radiation (03CH02-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 09, 2024	Mar. 29, 2025~ Apr. 07, 2025	Apr. 08, 2025	Radiation (03CH02-SZ)
LF Amplifier	Burgeon	BPA-530	102211	0.01~3000Mhz	Oct. 18, 2024	Mar. 29, 2025~ Apr. 07, 2025	Oct. 17, 2025	Radiation (03CH02-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270105	0.5GHz~26.5Ghz	Oct. 14, 2024	Mar. 29, 2025~ Apr. 07, 2025	Oct. 13, 2025	Radiation (03CH02-SZ)
AC Power Source	Chroma	61601	616010003043	N/A	Oct. 18, 2024	Mar. 29, 2025~ Apr. 07, 2025	Oct. 17, 2025	Radiation (03CH02-SZ)
Turn Table	Chaintek	T-200	N/A	0~360 degree	NCR	Mar. 29, 2025~ Apr. 07, 2025	NCR	Radiation (03CH02-SZ)
Antenna Mast	Chaintek	MBS-400	N/A	1 m~4 m	NCR	Mar. 29, 2025~ Apr. 07, 2025	NCR	Radiation (03CH02-SZ)

NCR: No Calibration Required

6 Measurement Uncertainty

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.26-2015. All the measurement uncertainty value were shown with a coverage K=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

Uncertainty of Conducted Measurement

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

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



Appendix A. Test Results of Conducted Test

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

Conducted Output Power(Average power) and ERP/EIRP

LTE Band 2_ANT1:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				18700	18900	19100			
Frequency (MHz)				1860	1880	1900	L	M	H
20	QPSK	1	0	22.80	22.87	22.74	0.0933	0.0948	0.0920
20	QPSK	1	49	22.85	22.77	22.79	0.0944	0.0927	0.0931
20	QPSK	1	99	22.70	22.78	22.76	0.0912	0.0929	0.0925
20	QPSK	50	0	21.88	21.91	21.80	0.0755	0.0760	0.0741
20	QPSK	50	24	21.84	21.89	21.90	0.0748	0.0757	0.0759
20	QPSK	50	50	21.81	21.84	21.77	0.0743	0.0748	0.0736
20	QPSK	100	0	21.87	21.90	21.73	0.0753	0.0759	0.0729
20	16QAM	1	0	22.11	22.17	22.16	0.0796	0.0807	0.0805
20	16QAM	1	49	22.21	22.26	22.13	0.0815	0.0824	0.0800
20	16QAM	1	99	22.07	22.20	22.26	0.0789	0.0813	0.0824
20	16QAM	50	0	20.74	20.86	20.89	0.0581	0.0597	0.0601
20	16QAM	50	24	20.73	20.94	20.81	0.0579	0.0608	0.0590
20	16QAM	50	50	20.76	20.84	20.95	0.0583	0.0594	0.0610
20	16QAM	100	0	20.89	20.85	20.88	0.0601	0.0596	0.0600
20	64QAM	1	0	20.68	20.83	20.83	0.0573	0.0593	0.0593
20	64QAM	1	49	20.79	20.97	20.72	0.0587	0.0612	0.0578
20	64QAM	1	99	20.67	20.79	21.02	0.0571	0.0587	0.0619
20	64QAM	50	0	19.74	19.85	19.83	0.0461	0.0473	0.0471
20	64QAM	50	24	19.70	19.90	19.90	0.0457	0.0479	0.0479
20	64QAM	50	50	19.82	19.74	20.00	0.0470	0.0461	0.0490
20	64QAM	100	0	19.88	19.79	19.93	0.0476	0.0467	0.0482
20	256QAM	1	0	17.77	17.87	18.00	0.0293	0.0300	0.0309
20	256QAM	1	49	17.78	17.92	17.73	0.0294	0.0303	0.0290
20	256QAM	1	99	17.64	17.94	17.91	0.0284	0.0305	0.0303
20	256QAM	50	0	17.80	17.86	17.76	0.0295	0.0299	0.0292
20	256QAM	50	24	17.88	17.84	17.91	0.0301	0.0298	0.0303
20	256QAM	50	50	17.88	17.84	17.91	0.0301	0.0298	0.0303
20	256QAM	100	0	17.84	17.76	17.98	0.0298	0.0292	0.0308
Channel				18675	18900	19125	EIRP(W)		
Frequency (MHz)				1857.5	1880	1902.5	L	M	H



15	QPSK	1	0	22.74	22.77	22.75	0.0920	0.0927	0.0923
15	QPSK	1	37	22.78	22.82	22.77	0.0929	0.0938	0.0927
15	QPSK	1	74	22.78	22.76	22.62	0.0929	0.0925	0.0895
15	QPSK	36	0	21.97	21.79	21.66	0.0771	0.0740	0.0718
15	QPSK	36	20	21.73	21.96	21.89	0.0729	0.0769	0.0757
15	QPSK	36	39	21.69	21.81	21.64	0.0723	0.0743	0.0714
15	QPSK	75	0	21.75	21.93	21.62	0.0733	0.0764	0.0711
15	16QAM	1	0	21.99	22.04	22.03	0.0774	0.0783	0.0782
15	16QAM	1	37	22.14	22.26	22.13	0.0802	0.0824	0.0800
15	16QAM	1	74	22.15	22.08	22.31	0.0804	0.0791	0.0834
15	16QAM	36	0	20.71	20.88	20.82	0.0577	0.0600	0.0592
15	16QAM	36	20	20.63	20.81	20.83	0.0566	0.0590	0.0593
15	16QAM	36	39	20.68	20.85	20.81	0.0573	0.0596	0.0590
15	16QAM	75	0	20.85	20.85	20.89	0.0596	0.0596	0.0601
15	64QAM	1	0	20.77	20.73	20.76	0.0585	0.0579	0.0583
15	64QAM	1	37	20.78	20.95	20.60	0.0586	0.0610	0.0562
15	64QAM	1	74	20.70	20.72	21.06	0.0575	0.0578	0.0625
15	64QAM	36	0	19.82	19.73	19.77	0.0470	0.0460	0.0465
15	64QAM	36	20	19.69	19.94	19.98	0.0456	0.0483	0.0488
15	64QAM	36	39	19.89	19.76	19.93	0.0478	0.0463	0.0482
15	64QAM	75	0	19.85	19.68	19.82	0.0473	0.0455	0.0470
15	256QAM	1	0	17.76	17.83	17.94	0.0292	0.0297	0.0305
15	256QAM	1	37	17.83	17.82	17.66	0.0297	0.0296	0.0286
15	256QAM	1	74	17.56	17.96	17.96	0.0279	0.0306	0.0306
15	256QAM	36	0	17.73	17.81	17.71	0.0290	0.0296	0.0289
15	256QAM	36	20	17.91	17.88	17.91	0.0303	0.0301	0.0303
15	256QAM	36	39	17.75	17.89	17.90	0.0292	0.0301	0.0302
15	256QAM	75	0	17.81	17.79	18.01	0.0296	0.0294	0.0310
Channel				18650	18900	19150	EIRP(W)		
Frequency (MHz)				1855	1880	1905	L	M	H
10	QPSK	1	0	22.66	22.82	22.74	0.0904	0.0938	0.0920
10	QPSK	1	25	22.85	22.69	22.85	0.0944	0.0910	0.0944
10	QPSK	1	49	22.72	22.68	22.64	0.0916	0.0908	0.0899
10	QPSK	25	0	21.81	21.88	21.76	0.0743	0.0755	0.0735
10	QPSK	25	12	21.81	21.83	21.87	0.0743	0.0746	0.0753
10	QPSK	25	25	21.80	21.87	21.64	0.0741	0.0753	0.0714
10	QPSK	50	0	21.82	21.88	21.76	0.0745	0.0755	0.0735
10	16QAM	1	0	22.07	22.13	22.06	0.0789	0.0800	0.0787
10	16QAM	1	25	22.19	22.32	22.07	0.0811	0.0836	0.0789
10	16QAM	1	49	21.98	22.11	22.16	0.0773	0.0796	0.0805
10	16QAM	25	0	20.81	20.83	20.79	0.0590	0.0593	0.0587
10	16QAM	25	12	20.69	20.90	20.87	0.0574	0.0603	0.0598
10	16QAM	25	25	20.73	20.76	20.91	0.0579	0.0583	0.0604
10	16QAM	50	0	20.85	20.82	20.95	0.0596	0.0592	0.0610
10	64QAM	1	0	20.64	20.74	20.79	0.0568	0.0581	0.0587
10	64QAM	1	25	20.84	20.83	20.58	0.0594	0.0593	0.0560
10	64QAM	1	49	20.64	20.87	21.05	0.0568	0.0598	0.0624



10	64QAM	25	0	19.78	19.76	19.86	0.0466	0.0463	0.0474
10	64QAM	25	12	19.71	19.75	19.86	0.0458	0.0462	0.0474
10	64QAM	25	25	19.90	19.61	20.07	0.0479	0.0448	0.0498
10	64QAM	50	0	19.87	19.80	19.78	0.0475	0.0468	0.0466
10	256QAM	1	0	17.83	17.85	17.87	0.0297	0.0299	0.0300
10	256QAM	1	25	17.82	17.88	17.68	0.0296	0.0301	0.0287
10	256QAM	1	49	17.62	17.90	17.92	0.0283	0.0302	0.0303
10	256QAM	25	0	17.74	17.71	17.80	0.0291	0.0289	0.0295
10	256QAM	25	12	17.95	17.85	17.82	0.0305	0.0299	0.0296
10	256QAM	25	25	17.73	17.78	17.84	0.0290	0.0294	0.0298
10	256QAM	50	0	17.75	17.75	18.05	0.0292	0.0292	0.0313
Channel				18625	18900	19175	EIRP(W)		
Frequency (MHz)				1852.5	1880	1907.5	L	M	H
5	QPSK	1	0	22.66	22.83	22.79	0.0904	0.0940	0.0931
5	QPSK	1	12	22.85	22.71	22.83	0.0944	0.0914	0.0940
5	QPSK	1	24	22.72	22.73	22.63	0.0916	0.0918	0.0897
5	QPSK	12	0	21.81	21.78	21.76	0.0743	0.0738	0.0735
5	QPSK	12	7	21.71	21.97	21.77	0.0726	0.0771	0.0736
5	QPSK	12	13	21.72	21.70	21.68	0.0728	0.0724	0.0721
5	QPSK	25	0	21.72	21.85	21.70	0.0728	0.0750	0.0724
5	16QAM	1	0	21.99	22.16	22.15	0.0774	0.0805	0.0804
5	16QAM	1	12	22.17	22.18	22.18	0.0807	0.0809	0.0809
5	16QAM	1	24	22.11	22.11	22.20	0.0796	0.0796	0.0813
5	16QAM	12	0	20.66	20.82	20.92	0.0570	0.0592	0.0605
5	16QAM	12	7	20.68	20.91	20.70	0.0573	0.0604	0.0575
5	16QAM	12	13	20.72	20.70	20.82	0.0578	0.0575	0.0592
5	16QAM	25	0	20.84	20.71	20.90	0.0594	0.0577	0.0603
5	64QAM	1	0	20.72	20.76	20.68	0.0578	0.0583	0.0573
5	64QAM	1	12	20.87	20.86	20.78	0.0598	0.0597	0.0586
5	64QAM	1	24	20.67	20.80	20.99	0.0571	0.0589	0.0615
5	64QAM	12	0	19.73	19.94	19.82	0.0460	0.0483	0.0470
5	64QAM	12	7	19.78	19.94	19.80	0.0466	0.0483	0.0468
5	64QAM	12	13	19.89	19.82	19.87	0.0478	0.0470	0.0475
5	64QAM	25	0	19.89	19.85	19.93	0.0478	0.0473	0.0482
5	256QAM	1	0	17.68	17.81	17.93	0.0287	0.0296	0.0304
5	256QAM	1	12	17.84	17.81	17.61	0.0298	0.0296	0.0282
5	256QAM	1	24	17.58	18.02	17.80	0.0281	0.0310	0.0295
5	256QAM	12	0	17.85	17.78	17.62	0.0299	0.0294	0.0283
5	256QAM	12	7	17.89	17.86	17.82	0.0301	0.0299	0.0296
5	256QAM	12	13	17.78	17.83	17.82	0.0294	0.0297	0.0296
5	256QAM	25	0	17.86	17.74	17.98	0.0299	0.0291	0.0308
Channel				18615	18900	19185	EIRP(W)		
Frequency (MHz)				1851.5	1880	1908.5	L	M	H
3	QPSK	1	0	22.82	22.85	22.83	0.0938	0.0944	0.0940
3	QPSK	1	8	22.74	22.76	22.66	0.0920	0.0925	0.0904
3	QPSK	1	14	22.78	22.80	22.66	0.0929	0.0933	0.0904
3	QPSK	8	0	21.76	22.00	21.77	0.0735	0.0776	0.0736



3	QPSK	8	4	21.72	21.91	21.98	0.0728	0.0760	0.0773
3	QPSK	8	7	21.75	21.82	21.65	0.0733	0.0745	0.0716
3	QPSK	15	0	21.73	21.86	21.78	0.0729	0.0752	0.0738
3	16QAM	1	0	22.18	22.04	22.13	0.0809	0.0783	0.0800
3	16QAM	1	8	22.10	22.21	22.01	0.0794	0.0815	0.0778
3	16QAM	1	14	22.14	22.17	22.23	0.0802	0.0807	0.0818
3	16QAM	8	0	20.66	20.87	20.86	0.0570	0.0598	0.0597
3	16QAM	8	4	20.60	21.03	20.84	0.0562	0.0621	0.0594
3	16QAM	8	7	20.85	20.77	20.89	0.0596	0.0585	0.0601
3	16QAM	15	0	20.85	20.80	20.97	0.0596	0.0589	0.0612
3	64QAM	1	0	20.77	20.91	20.78	0.0585	0.0604	0.0586
3	64QAM	1	8	20.65	20.95	20.69	0.0569	0.0610	0.0574
3	64QAM	1	14	20.71	20.86	20.88	0.0577	0.0597	0.0600
3	64QAM	8	0	19.78	19.78	19.70	0.0466	0.0466	0.0457
3	64QAM	8	4	19.64	19.98	19.90	0.0451	0.0488	0.0479
3	64QAM	8	7	19.87	19.68	19.94	0.0475	0.0455	0.0483
3	64QAM	15	0	19.81	19.79	19.90	0.0469	0.0467	0.0479
3	256QAM	1	0	17.71	17.76	18.00	0.0289	0.0292	0.0309
3	256QAM	1	8	17.63	17.94	17.63	0.0284	0.0305	0.0284
3	256QAM	1	14	17.66	17.99	17.93	0.0286	0.0308	0.0304
3	256QAM	8	0	17.88	17.80	17.71	0.0301	0.0295	0.0289
3	256QAM	8	4	17.75	17.75	17.95	0.0292	0.0292	0.0305
3	256QAM	8	7	17.84	17.73	17.81	0.0298	0.0290	0.0296
3	256QAM	15	0	17.84	17.73	17.99	0.0298	0.0290	0.0308
Channel				18607	18900	19193	EIRP(W)		
Frequency (MHz)				1850.7	1880	1909.3	L	M	H
1.4	QPSK	1	0	22.69	22.82	22.63	0.0910	0.0938	0.0897
1.4	QPSK	1	3	22.84	22.75	22.71	0.0942	0.0923	0.0914
1.4	QPSK	1	5	22.74	22.67	22.69	0.0920	0.0906	0.0910
1.4	QPSK	3	0	22.73	22.79	22.77	0.0918	0.0931	0.0927
1.4	QPSK	3	1	22.72	22.67	22.79	0.0916	0.0906	0.0931
1.4	QPSK	3	3	22.64	22.70	22.64	0.0899	0.0912	0.0899
1.4	QPSK	6	0	21.74	21.85	21.62	0.0731	0.0750	0.0711
1.4	16QAM	1	0	21.58	21.82	21.56	0.0705	0.0745	0.0701
1.4	16QAM	1	3	21.84	21.83	21.66	0.0748	0.0746	0.0718
1.4	16QAM	1	5	21.82	21.58	21.68	0.0745	0.0705	0.0721
1.4	16QAM	3	0	21.66	21.81	21.72	0.0718	0.0743	0.0728
1.4	16QAM	3	1	21.77	21.70	21.82	0.0736	0.0724	0.0745
1.4	16QAM	3	3	21.63	21.82	21.63	0.0713	0.0745	0.0713
1.4	16QAM	6	0	20.80	20.71	20.61	0.0589	0.0577	0.0564
1.4	64QAM	1	0	20.78	20.87	20.61	0.0586	0.0598	0.0564
1.4	64QAM	1	3	20.84	20.66	20.82	0.0594	0.0570	0.0592
1.4	64QAM	1	5	20.72	20.59	20.65	0.0578	0.0561	0.0569
1.4	64QAM	3	0	20.74	20.81	20.80	0.0581	0.0590	0.0589
1.4	64QAM	3	1	20.60	20.77	20.76	0.0562	0.0585	0.0583
1.4	64QAM	3	3	20.53	20.70	20.74	0.0553	0.0575	0.0581
1.4	64QAM	6	0	19.55	19.65	19.70	0.0442	0.0452	0.0457



1.4	256QAM	1	0	17.62	17.76	17.57	0.0283	0.0292	0.0280
1.4	256QAM	1	3	17.78	17.81	17.72	0.0294	0.0296	0.0290
1.4	256QAM	1	5	17.76	17.57	17.68	0.0292	0.0280	0.0287
1.4	256QAM	3	0	17.81	17.83	17.68	0.0296	0.0297	0.0287
1.4	256QAM	3	1	17.73	17.74	17.73	0.0290	0.0291	0.0290
1.4	256QAM	3	3	17.63	17.72	17.61	0.0284	0.0290	0.0282
1.4	256QAM	6	0	17.71	17.78	17.74	0.0289	0.0294	0.0291

LTE Band 4_ANT1:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745	L	M	H
20	QPSK	1	0	22.80	22.86	22.84	0.0832	0.0843	0.0839
20	QPSK	1	49	22.81	22.84	22.74	0.0834	0.0839	0.0820
20	QPSK	1	99	22.85	22.82	22.79	0.0841	0.0836	0.0830
20	QPSK	50	0	21.90	21.92	21.86	0.0676	0.0679	0.0670
20	QPSK	50	24	21.80	21.73	21.70	0.0661	0.0650	0.0646
20	QPSK	50	50	21.78	21.81	21.75	0.0658	0.0662	0.0653
20	QPSK	100	0	21.82	21.90	21.77	0.0664	0.0676	0.0656
20	16QAM	1	0	21.78	21.77	21.86	0.0658	0.0656	0.0670
20	16QAM	1	49	21.71	21.89	21.65	0.0647	0.0675	0.0638
20	16QAM	1	99	21.80	21.72	21.75	0.0661	0.0649	0.0653
20	16QAM	50	0	20.77	20.94	20.72	0.0521	0.0542	0.0515
20	16QAM	50	24	20.70	20.75	20.73	0.0513	0.0519	0.0516
20	16QAM	50	50	20.84	20.75	20.80	0.0530	0.0519	0.0525
20	16QAM	100	0	20.77	20.91	20.84	0.0521	0.0538	0.0530
20	64QAM	1	0	20.69	20.82	20.90	0.0512	0.0527	0.0537
20	64QAM	1	49	20.73	20.85	20.63	0.0516	0.0531	0.0505
20	64QAM	1	99	20.84	20.80	20.69	0.0530	0.0525	0.0512
20	64QAM	50	0	19.90	19.86	19.77	0.0427	0.0423	0.0414
20	64QAM	50	24	19.87	19.79	19.68	0.0424	0.0416	0.0406
20	64QAM	50	50	19.78	19.90	19.90	0.0415	0.0427	0.0427
20	64QAM	100	0	19.80	19.82	19.71	0.0417	0.0419	0.0408
20	256QAM	1	0	17.91	17.77	17.84	0.0270	0.0261	0.0265
20	256QAM	1	49	17.91	17.83	17.80	0.0270	0.0265	0.0263
20	256QAM	1	99	17.87	17.80	17.83	0.0267	0.0263	0.0265
20	256QAM	50	0	17.88	17.98	17.75	0.0268	0.0274	0.0260
20	256QAM	50	24	17.75	17.89	17.69	0.0260	0.0269	0.0256
20	256QAM	50	50	17.78	17.71	17.82	0.0262	0.0258	0.0264
20	256QAM	100	0	17.91	17.89	17.70	0.0270	0.0269	0.0257
Channel				20025	20175	20325	EIRP(W)		
Frequency (MHz)				1717.5	1732.5	1747.5	L	M	H
15	QPSK	1	0	22.80	22.74	22.77	0.0832	0.0820	0.0826
15	QPSK	1	37	22.72	22.82	22.64	0.0817	0.0836	0.0802



15	QPSK	1	74	22.79	22.78	22.60	0.0830	0.0828	0.0794
15	QPSK	36	0	21.69	21.76	21.71	0.0644	0.0655	0.0647
15	QPSK	36	20	21.81	21.75	21.60	0.0662	0.0653	0.0631
15	QPSK	36	39	21.66	21.76	21.56	0.0640	0.0655	0.0625
15	QPSK	75	0	21.67	21.79	21.74	0.0641	0.0659	0.0652
15	16QAM	1	0	21.71	21.60	21.74	0.0647	0.0631	0.0652
15	16QAM	1	37	21.49	21.88	21.54	0.0615	0.0673	0.0622
15	16QAM	1	74	21.59	21.55	21.65	0.0630	0.0624	0.0638
15	16QAM	36	0	20.64	20.89	20.51	0.0506	0.0536	0.0491
15	16QAM	36	20	20.66	20.60	20.72	0.0508	0.0501	0.0515
15	16QAM	36	39	20.70	20.64	20.71	0.0513	0.0506	0.0514
15	16QAM	75	0	20.66	20.93	20.82	0.0508	0.0541	0.0527
15	64QAM	1	0	20.66	20.76	20.83	0.0508	0.0520	0.0528
15	64QAM	1	37	20.73	20.67	20.53	0.0516	0.0509	0.0493
15	64QAM	1	74	20.66	20.70	20.54	0.0508	0.0513	0.0494
15	64QAM	36	0	19.87	19.72	19.56	0.0424	0.0409	0.0394
15	64QAM	36	20	19.73	19.58	19.50	0.0410	0.0396	0.0389
15	64QAM	36	39	19.59	19.70	19.79	0.0397	0.0407	0.0416
15	64QAM	75	0	19.68	19.81	19.57	0.0406	0.0418	0.0395
15	256QAM	1	0	17.80	17.71	17.78	0.0263	0.0258	0.0262
15	256QAM	1	37	17.72	17.69	17.78	0.0258	0.0256	0.0262
15	256QAM	1	74	17.79	17.73	17.84	0.0262	0.0259	0.0265
15	256QAM	36	0	17.66	17.90	17.70	0.0255	0.0269	0.0257
15	256QAM	36	20	17.54	17.67	17.68	0.0248	0.0255	0.0256
15	256QAM	36	39	17.68	17.70	17.75	0.0256	0.0257	0.0260
15	256QAM	75	0	17.79	17.77	17.60	0.0262	0.0261	0.0251
Channel				20000	20175	20350	EIRP(W)		
Frequency (MHz)				1715	1732.5	1750	L	M	H
10	QPSK	1	0	22.70	22.75	22.82	0.0813	0.0822	0.0836
10	QPSK	1	25	22.78	22.69	22.74	0.0828	0.0811	0.0820
10	QPSK	1	49	22.80	22.61	22.67	0.0832	0.0796	0.0807
10	QPSK	25	0	21.69	21.85	21.68	0.0644	0.0668	0.0643
10	QPSK	25	12	21.61	21.74	21.68	0.0632	0.0652	0.0643
10	QPSK	25	25	21.61	21.65	21.72	0.0632	0.0638	0.0649
10	QPSK	50	0	21.70	21.69	21.72	0.0646	0.0644	0.0649
10	16QAM	1	0	21.63	21.69	21.74	0.0635	0.0644	0.0652
10	16QAM	1	25	21.65	21.89	21.49	0.0638	0.0675	0.0615
10	16QAM	1	49	21.71	21.62	21.72	0.0647	0.0634	0.0649
10	16QAM	25	0	20.56	20.92	20.61	0.0497	0.0540	0.0502
10	16QAM	25	12	20.49	20.61	20.57	0.0489	0.0502	0.0498
10	16QAM	25	25	20.78	20.58	20.60	0.0522	0.0499	0.0501
10	16QAM	50	0	20.76	20.79	20.73	0.0520	0.0524	0.0516
10	64QAM	1	0	20.50	20.70	20.82	0.0490	0.0513	0.0527
10	64QAM	1	25	20.74	20.79	20.60	0.0518	0.0524	0.0501
10	64QAM	1	49	20.81	20.76	20.60	0.0526	0.0520	0.0501
10	64QAM	25	0	19.70	19.82	19.67	0.0407	0.0419	0.0405
10	64QAM	25	12	19.75	19.75	19.68	0.0412	0.0412	0.0406



10	64QAM	25	25	19.62	19.71	19.74	0.0400	0.0408	0.0411
10	64QAM	50	0	19.63	19.68	19.73	0.0401	0.0406	0.0410
10	256QAM	1	0	17.83	17.64	17.84	0.0265	0.0254	0.0265
10	256QAM	1	25	17.73	17.83	17.76	0.0259	0.0265	0.0261
10	256QAM	1	49	17.83	17.68	17.67	0.0265	0.0256	0.0255
10	256QAM	25	0	17.72	17.78	17.77	0.0258	0.0262	0.0261
10	256QAM	25	12	17.71	17.85	17.59	0.0258	0.0266	0.0251
10	256QAM	25	25	17.79	17.72	17.62	0.0262	0.0258	0.0252
10	256QAM	50	0	17.72	17.67	17.66	0.0258	0.0255	0.0255
Channel				19975	20175	20375	EIRP(W)		
Frequency (MHz)				1712.5	1732.5	1752.5	L	M	H
5	QPSK	1	0	22.73	22.73	22.85	0.0818	0.0818	0.0841
5	QPSK	1	12	22.73	22.76	22.64	0.0818	0.0824	0.0802
5	QPSK	1	24	22.69	22.70	22.62	0.0811	0.0813	0.0798
5	QPSK	12	0	21.90	21.90	21.77	0.0676	0.0676	0.0656
5	QPSK	12	7	21.64	21.75	21.68	0.0637	0.0653	0.0643
5	QPSK	12	13	21.67	21.68	21.74	0.0641	0.0643	0.0652
5	QPSK	25	0	21.72	21.77	21.60	0.0649	0.0656	0.0631
5	16QAM	1	0	21.61	21.77	21.65	0.0632	0.0656	0.0638
5	16QAM	1	12	21.67	21.70	21.66	0.0641	0.0646	0.0640
5	16QAM	1	24	21.63	21.58	21.71	0.0635	0.0628	0.0647
5	16QAM	12	0	20.60	20.76	20.57	0.0501	0.0520	0.0498
5	16QAM	12	7	20.69	20.57	20.72	0.0512	0.0498	0.0515
5	16QAM	12	13	20.68	20.68	20.65	0.0511	0.0511	0.0507
5	16QAM	25	0	20.69	20.83	20.83	0.0512	0.0528	0.0528
5	64QAM	1	0	20.49	20.72	20.76	0.0489	0.0515	0.0520
5	64QAM	1	12	20.59	20.73	20.60	0.0500	0.0516	0.0501
5	64QAM	1	24	20.80	20.60	20.71	0.0525	0.0501	0.0514
5	64QAM	12	0	19.86	19.83	19.66	0.0423	0.0420	0.0404
5	64QAM	12	7	19.75	19.65	19.55	0.0412	0.0403	0.0394
5	64QAM	12	13	19.68	19.77	19.71	0.0406	0.0414	0.0408
5	64QAM	25	0	19.76	19.73	19.67	0.0413	0.0410	0.0405
5	256QAM	1	0	17.71	17.63	17.78	0.0258	0.0253	0.0262
5	256QAM	1	12	17.76	17.69	17.82	0.0261	0.0256	0.0264
5	256QAM	1	24	17.82	17.62	17.73	0.0264	0.0252	0.0259
5	256QAM	12	0	17.83	17.86	17.66	0.0265	0.0267	0.0255
5	256QAM	12	7	17.75	17.88	17.48	0.0260	0.0268	0.0244
5	256QAM	12	13	17.59	17.67	17.73	0.0251	0.0255	0.0259
5	256QAM	25	0	17.80	17.71	17.58	0.0263	0.0258	0.0250
Channel				19965	20175	20385	EIRP(W)		
Frequency (MHz)				1711.5	1732.5	1753.5	L	M	H
3	QPSK	1	0	22.75	22.71	22.80	0.0822	0.0815	0.0832
3	QPSK	1	8	22.79	22.81	22.60	0.0830	0.0834	0.0794
3	QPSK	1	14	22.72	22.61	22.67	0.0817	0.0796	0.0807
3	QPSK	8	0	21.87	21.89	21.78	0.0671	0.0675	0.0658
3	QPSK	8	4	21.81	21.66	21.69	0.0662	0.0640	0.0644
3	QPSK	8	7	21.58	21.74	21.67	0.0628	0.0652	0.0641



3	QPSK	15	0	21.70	21.77	21.64	0.0646	0.0656	0.0637
3	16QAM	1	0	21.56	21.71	21.82	0.0625	0.0647	0.0664
3	16QAM	1	8	21.65	21.74	21.47	0.0638	0.0652	0.0612
3	16QAM	1	14	21.69	21.67	21.74	0.0644	0.0641	0.0652
3	16QAM	8	0	20.60	20.84	20.63	0.0501	0.0530	0.0505
3	16QAM	8	4	20.65	20.61	20.63	0.0507	0.0502	0.0505
3	16QAM	8	7	20.82	20.53	20.82	0.0527	0.0493	0.0527
3	16QAM	15	0	20.68	20.90	20.85	0.0511	0.0537	0.0531
3	64QAM	1	0	20.51	20.71	20.83	0.0491	0.0514	0.0528
3	64QAM	1	8	20.65	20.69	20.59	0.0507	0.0512	0.0500
3	64QAM	1	14	20.71	20.75	20.47	0.0514	0.0519	0.0486
3	64QAM	8	0	19.77	19.81	19.60	0.0414	0.0418	0.0398
3	64QAM	8	4	19.66	19.79	19.52	0.0404	0.0416	0.0391
3	64QAM	8	7	19.60	19.87	19.77	0.0398	0.0424	0.0414
3	64QAM	15	0	19.59	19.76	19.57	0.0397	0.0413	0.0395
3	256QAM	1	0	17.73	17.74	17.64	0.0259	0.0259	0.0254
3	256QAM	1	8	17.83	17.83	17.78	0.0265	0.0265	0.0262
3	256QAM	1	14	17.67	17.62	17.66	0.0255	0.0252	0.0255
3	256QAM	8	0	17.76	17.83	17.72	0.0261	0.0265	0.0258
3	256QAM	8	4	17.55	17.87	17.62	0.0248	0.0267	0.0252
3	256QAM	8	7	17.72	17.62	17.82	0.0258	0.0252	0.0264
3	256QAM	15	0	17.74	17.79	17.53	0.0259	0.0262	0.0247
Channel				19950	20175	20393	EIRP(W)		
Frequency (MHz)				1710	1732.5	1754.3	L	M	H
1.4	QPSK	1	0	22.62	22.73	22.72	0.0798	0.0818	0.0817
1.4	QPSK	1	3	22.66	22.74	22.81	0.0805	0.0820	0.0834
1.4	QPSK	1	5	22.76	22.69	22.65	0.0824	0.0811	0.0804
1.4	QPSK	3	0	22.77	22.68	22.81	0.0826	0.0809	0.0834
1.4	QPSK	3	1	22.76	22.66	22.84	0.0824	0.0805	0.0839
1.4	QPSK	3	3	22.61	22.78	22.70	0.0796	0.0828	0.0813
1.4	QPSK	6	0	21.80	21.95	21.73	0.0661	0.0684	0.0650
1.4	16QAM	1	0	21.87	21.95	21.77	0.0671	0.0684	0.0656
1.4	16QAM	1	3	21.80	21.81	21.92	0.0661	0.0662	0.0679
1.4	16QAM	1	5	21.84	21.92	21.96	0.0667	0.0679	0.0685
1.4	16QAM	3	0	21.91	21.77	21.74	0.0678	0.0656	0.0652
1.4	16QAM	3	1	21.76	21.79	21.79	0.0655	0.0659	0.0659
1.4	16QAM	3	3	21.73	21.81	21.80	0.0650	0.0662	0.0661
1.4	16QAM	6	0	20.82	20.96	20.89	0.0527	0.0545	0.0536
1.4	64QAM	1	0	20.71	20.80	20.76	0.0514	0.0525	0.0520
1.4	64QAM	1	3	20.84	20.88	20.77	0.0530	0.0535	0.0521
1.4	64QAM	1	5	20.69	20.80	20.88	0.0512	0.0525	0.0535
1.4	64QAM	3	0	20.86	20.83	20.74	0.0532	0.0528	0.0518
1.4	64QAM	3	1	20.69	20.92	20.89	0.0512	0.0540	0.0536
1.4	64QAM	3	3	20.89	20.81	20.81	0.0536	0.0526	0.0526
1.4	64QAM	6	0	19.87	19.94	19.74	0.0424	0.0431	0.0411
1.4	256QAM	1	0	17.91	17.90	17.85	0.0270	0.0269	0.0266
1.4	256QAM	1	3	17.79	17.77	17.89	0.0262	0.0261	0.0269



1.4	256QAM	1	5	17.70	17.82	17.94	0.0257	0.0264	0.0272
1.4	256QAM	3	0	17.79	17.93	17.81	0.0262	0.0271	0.0264
1.4	256QAM	3	1	17.85	17.87	17.88	0.0266	0.0267	0.0268
1.4	256QAM	3	3	17.72	17.76	17.83	0.0258	0.0261	0.0265
1.4	256QAM	6	0	17.87	17.82	17.90	0.0267	0.0264	0.0269

LTE Band 5_ANT4:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP(W)		
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844	L	M	H
10	QPSK	1	0	22.45	22.59	22.47	0.0398	0.0411	0.0400
10	QPSK	1	25	22.35	22.57	22.41	0.0389	0.0409	0.0394
10	QPSK	1	49	22.36	22.40	22.48	0.0390	0.0394	0.0401
10	QPSK	25	0	21.52	21.57	21.45	0.0321	0.0325	0.0316
10	QPSK	25	12	21.44	21.55	21.56	0.0316	0.0324	0.0324
10	QPSK	25	25	21.44	21.53	21.49	0.0316	0.0322	0.0319
10	QPSK	50	0	21.49	21.56	21.40	0.0319	0.0324	0.0313
10	16QAM	1	0	21.54	21.67	21.44	0.0323	0.0333	0.0316
10	16QAM	1	25	21.52	21.53	21.59	0.0321	0.0322	0.0327
10	16QAM	1	49	21.53	21.49	21.46	0.0322	0.0319	0.0317
10	16QAM	25	0	20.55	20.65	20.52	0.0257	0.0263	0.0255
10	16QAM	25	12	20.42	20.69	20.30	0.0249	0.0265	0.0243
10	16QAM	25	25	20.45	20.30	20.38	0.0251	0.0243	0.0247
10	16QAM	50	0	20.46	20.48	20.49	0.0252	0.0253	0.0254
10	64QAM	1	0	20.56	20.56	20.38	0.0258	0.0258	0.0247
10	64QAM	1	25	20.26	20.66	20.43	0.0240	0.0264	0.0250
10	64QAM	1	49	20.47	20.46	20.40	0.0252	0.0252	0.0248
10	64QAM	25	0	19.40	19.51	19.57	0.0197	0.0202	0.0205
10	64QAM	25	12	19.35	19.50	19.35	0.0195	0.0202	0.0195
10	64QAM	25	25	19.31	19.38	19.52	0.0193	0.0196	0.0203
10	64QAM	50	0	19.43	19.70	19.46	0.0199	0.0211	0.0200
10	256QAM	1	0	17.49	17.68	17.43	0.0127	0.0133	0.0125
10	256QAM	1	25	17.33	17.59	17.49	0.0122	0.0130	0.0127
10	256QAM	1	49	17.30	17.31	17.56	0.0122	0.0122	0.0129
10	256QAM	25	0	17.34	17.53	17.58	0.0123	0.0128	0.0130
10	256QAM	25	12	17.51	17.51	17.46	0.0128	0.0128	0.0126
10	256QAM	25	25	17.24	17.66	17.35	0.0120	0.0132	0.0123
10	256QAM	50	0	17.34	17.33	17.46	0.0123	0.0122	0.0126
Channel				20425	20525	20625	ERP(W)		
Frequency (MHz)				826.5	836.5	846.5	L	M	H
5	QPSK	1	0	22.57	22.49	22.47	0.0409	0.0402	0.0400
5	QPSK	1	12	22.29	22.48	22.43	0.0384	0.0401	0.0396
5	QPSK	1	24	22.39	22.30	22.49	0.0393	0.0385	0.0402
5	QPSK	12	0	21.53	21.49	21.53	0.0322	0.0319	0.0322



5	QPSK	12	7	21.42	21.62	21.60	0.0314	0.0329	0.0327
5	QPSK	12	13	21.37	21.51	21.50	0.0310	0.0321	0.0320
5	QPSK	25	0	21.61	21.63	21.48	0.0328	0.0330	0.0318
5	16QAM	1	0	21.62	21.71	21.38	0.0329	0.0336	0.0311
5	16QAM	1	12	21.60	21.52	21.68	0.0327	0.0321	0.0333
5	16QAM	1	24	21.43	21.54	21.43	0.0315	0.0323	0.0315
5	16QAM	12	0	20.64	20.71	20.50	0.0262	0.0267	0.0254
5	16QAM	12	7	20.49	20.71	20.34	0.0254	0.0267	0.0245
5	16QAM	12	13	20.38	20.39	20.38	0.0247	0.0248	0.0247
5	16QAM	25	0	20.56	20.37	20.51	0.0258	0.0247	0.0255
5	64QAM	1	0	20.48	20.51	20.36	0.0253	0.0255	0.0246
5	64QAM	1	12	20.32	20.60	20.37	0.0244	0.0260	0.0247
5	64QAM	1	24	20.38	20.42	20.49	0.0247	0.0249	0.0254
5	64QAM	12	0	19.41	19.49	19.67	0.0198	0.0201	0.0210
5	64QAM	12	7	19.24	19.41	19.28	0.0190	0.0198	0.0192
5	64QAM	12	13	19.34	19.42	19.56	0.0195	0.0198	0.0205
5	64QAM	25	0	19.54	19.60	19.52	0.0204	0.0207	0.0203
5	256QAM	1	0	17.53	17.77	17.44	0.0128	0.0136	0.0126
5	256QAM	1	12	17.30	17.63	17.52	0.0122	0.0131	0.0128
5	256QAM	1	24	17.42	17.31	17.63	0.0125	0.0122	0.0131
5	256QAM	12	0	17.33	17.58	17.63	0.0122	0.0130	0.0131
5	256QAM	12	7	17.57	17.53	17.41	0.0129	0.0128	0.0125
5	256QAM	12	13	17.27	17.77	17.37	0.0121	0.0136	0.0124
5	256QAM	25	0	17.27	17.36	17.54	0.0121	0.0123	0.0129
Channel				20415	20525	20635	ERP(W)		
Frequency (MHz)				825.5	836.5	847.5	L	M	H
3	QPSK	1	0	22.42	22.56	22.44	0.0395	0.0408	0.0397
3	QPSK	1	8	22.35	22.51	22.48	0.0389	0.0404	0.0401
3	QPSK	1	14	22.39	22.33	22.43	0.0393	0.0387	0.0396
3	QPSK	8	0	21.48	21.61	21.42	0.0318	0.0328	0.0314
3	QPSK	8	4	21.36	21.58	21.52	0.0310	0.0326	0.0321
3	QPSK	8	7	21.52	21.53	21.45	0.0321	0.0322	0.0316
3	QPSK	15	0	21.46	21.56	21.32	0.0317	0.0324	0.0307
3	16QAM	1	0	21.60	21.66	21.42	0.0327	0.0332	0.0314
3	16QAM	1	8	21.51	21.55	21.66	0.0321	0.0324	0.0332
3	16QAM	1	14	21.51	21.52	21.42	0.0321	0.0321	0.0314
3	16QAM	8	0	20.61	20.64	20.53	0.0261	0.0262	0.0256
3	16QAM	8	4	20.39	20.71	20.36	0.0248	0.0267	0.0246
3	16QAM	8	7	20.38	20.34	20.34	0.0247	0.0245	0.0245
3	16QAM	15	0	20.41	20.53	20.46	0.0249	0.0256	0.0252
3	64QAM	1	0	20.55	20.62	20.42	0.0257	0.0261	0.0249
3	64QAM	1	8	20.32	20.72	20.50	0.0244	0.0267	0.0254
3	64QAM	1	14	20.39	20.49	20.35	0.0248	0.0254	0.0245
3	64QAM	8	0	19.37	19.57	19.60	0.0196	0.0205	0.0207
3	64QAM	8	4	19.41	19.54	19.38	0.0198	0.0204	0.0196
3	64QAM	8	7	19.35	19.31	19.59	0.0195	0.0193	0.0206
3	64QAM	15	0	19.44	19.73	19.51	0.0199	0.0213	0.0202



3	256QAM	1	0	17.43	17.70	17.50	0.0125	0.0133	0.0127
3	256QAM	1	8	17.32	17.51	17.43	0.0122	0.0128	0.0125
3	256QAM	1	14	17.37	17.30	17.48	0.0124	0.0122	0.0127
3	256QAM	8	0	17.35	17.48	17.63	0.0123	0.0127	0.0131
3	256QAM	8	4	17.53	17.49	17.41	0.0128	0.0127	0.0125
3	256QAM	8	7	17.24	17.72	17.27	0.0120	0.0134	0.0121
3	256QAM	15	0	17.39	17.26	17.49	0.0124	0.0121	0.0127
Channel				20407	20525	20643	ERP(W)		
Frequency (MHz)				824.7	836.5	848.3	L	M	H
1.4	QPSK	1	0	22.54	22.57	22.50	0.0406	0.0409	0.0403
1.4	QPSK	1	3	22.46	22.46	22.49	0.0399	0.0399	0.0402
1.4	QPSK	1	5	22.25	22.43	22.54	0.0380	0.0396	0.0406
1.4	QPSK	3	0	22.43	22.44	22.36	0.0396	0.0397	0.0390
1.4	QPSK	3	1	22.36	22.29	22.41	0.0390	0.0384	0.0394
1.4	QPSK	3	3	22.26	22.39	22.51	0.0381	0.0393	0.0404
1.4	QPSK	6	0	21.61	21.54	21.44	0.0328	0.0323	0.0316
1.4	16QAM	1	0	21.60	21.56	21.47	0.0327	0.0324	0.0318
1.4	16QAM	1	3	21.42	21.45	21.50	0.0314	0.0316	0.0320
1.4	16QAM	1	5	21.57	21.55	21.34	0.0325	0.0324	0.0308
1.4	16QAM	3	0	21.55	21.53	21.32	0.0324	0.0322	0.0307
1.4	16QAM	3	1	21.37	21.32	21.44	0.0310	0.0307	0.0316
1.4	16QAM	3	3	21.39	21.35	21.12	0.0312	0.0309	0.0293
1.4	16QAM	6	0	20.51	20.39	20.43	0.0255	0.0248	0.0250
1.4	64QAM	1	0	20.60	20.58	20.41	0.0260	0.0259	0.0249
1.4	64QAM	1	3	20.15	20.59	20.38	0.0234	0.0259	0.0247
1.4	64QAM	1	5	20.47	20.34	20.42	0.0252	0.0245	0.0249
1.4	64QAM	3	0	20.54	20.45	20.32	0.0256	0.0251	0.0244
1.4	64QAM	3	1	20.12	20.59	20.23	0.0233	0.0259	0.0239
1.4	64QAM	3	3	20.31	20.32	20.33	0.0243	0.0244	0.0244
1.4	64QAM	6	0	19.50	19.71	19.41	0.0202	0.0212	0.0198
1.4	256QAM	1	0	17.38	17.65	17.35	0.0124	0.0132	0.0123
1.4	256QAM	1	3	17.23	17.57	17.56	0.0120	0.0129	0.0129
1.4	256QAM	1	5	17.23	17.40	17.54	0.0120	0.0124	0.0129
1.4	256QAM	3	0	17.26	17.59	17.60	0.0121	0.0130	0.0130
1.4	256QAM	3	1	17.41	17.54	17.57	0.0125	0.0129	0.0129
1.4	256QAM	3	3	17.19	17.62	17.37	0.0119	0.0131	0.0124
1.4	256QAM	6	0	17.43	17.29	17.52	0.0125	0.0121	0.0128



LTE Band 25_ANT1:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				26140	26340	26590			
Frequency (MHz)				1860	1880	1905	L	M	H
20	QPSK	1	0	22.90	22.93	22.85	0.0955	0.0962	0.0944
20	QPSK	1	49	22.80	22.88	22.89	0.0933	0.0951	0.0953
20	QPSK	1	99	22.81	22.88	22.90	0.0935	0.0951	0.0955
20	QPSK	50	0	22.03	22.05	21.88	0.0782	0.0785	0.0755
20	QPSK	50	24	21.94	22.00	21.99	0.0766	0.0776	0.0774
20	QPSK	50	50	21.87	21.93	21.90	0.0753	0.0764	0.0759
20	QPSK	100	0	21.98	22.04	21.83	0.0773	0.0783	0.0746
20	16QAM	1	0	22.18	22.31	22.29	0.0809	0.0834	0.0830
20	16QAM	1	49	22.35	22.35	22.24	0.0841	0.0841	0.0820
20	16QAM	1	99	22.20	22.32	22.32	0.0813	0.0836	0.0836
20	16QAM	50	0	20.79	20.93	20.97	0.0587	0.0607	0.0612
20	16QAM	50	24	20.82	21.07	20.89	0.0592	0.0627	0.0601
20	16QAM	50	50	20.83	20.98	21.02	0.0593	0.0614	0.0619
20	16QAM	100	0	20.96	20.92	21.00	0.0611	0.0605	0.0617
20	64QAM	1	0	20.77	20.91	20.93	0.0585	0.0604	0.0607
20	64QAM	1	49	20.93	21.10	20.81	0.0607	0.0631	0.0590
20	64QAM	1	99	20.75	20.88	21.12	0.0582	0.0600	0.0634
20	64QAM	50	0	19.88	19.98	19.92	0.0476	0.0488	0.0481
20	64QAM	50	24	19.76	20.00	20.04	0.0463	0.0490	0.0494
20	64QAM	50	50	19.92	19.86	20.11	0.0481	0.0474	0.0502
20	64QAM	100	0	19.96	19.91	20.02	0.0485	0.0480	0.0492
20	256QAM	1	0	17.89	17.96	18.13	0.0301	0.0306	0.0318
20	256QAM	1	49	17.84	17.99	17.84	0.0298	0.0308	0.0298
20	256QAM	1	99	17.78	18.01	18.04	0.0294	0.0310	0.0312
20	256QAM	50	0	17.93	17.92	17.83	0.0304	0.0303	0.0297
20	256QAM	50	24	18.00	17.91	18.00	0.0309	0.0303	0.0309
20	256QAM	50	50	17.99	17.97	17.98	0.0308	0.0307	0.0308
20	256QAM	100	0	17.93	17.90	18.13	0.0304	0.0302	0.0318
Channel				26115	26340	26615	EIRP(W)		
Frequency (MHz)				1857.5	1880	1907.5	L	M	H
15	QPSK	1	0	22.85	22.78	22.74	0.0944	0.0929	0.0920
15	QPSK	1	37	22.66	22.77	22.76	0.0904	0.0927	0.0925
15	QPSK	1	74	22.70	22.77	22.79	0.0912	0.0927	0.0931
15	QPSK	36	0	21.91	21.96	21.81	0.0760	0.0769	0.0743
15	QPSK	36	20	21.81	21.88	21.88	0.0743	0.0755	0.0755
15	QPSK	36	39	21.78	21.85	21.76	0.0738	0.0750	0.0735
15	QPSK	75	0	21.87	21.92	21.78	0.0753	0.0762	0.0738
15	16QAM	1	0	22.10	22.22	22.23	0.0794	0.0817	0.0818
15	16QAM	1	37	22.24	22.21	22.16	0.0820	0.0815	0.0805
15	16QAM	1	74	22.05	22.25	22.24	0.0785	0.0822	0.0820



15	16QAM	36	0	20.73	20.85	20.84	0.0579	0.0596	0.0594
15	16QAM	36	20	20.71	21.01	20.81	0.0577	0.0618	0.0590
15	16QAM	36	39	20.75	20.91	20.97	0.0582	0.0604	0.0612
15	16QAM	75	0	20.86	20.84	20.91	0.0597	0.0594	0.0604
15	64QAM	1	0	20.67	20.84	20.80	0.0571	0.0594	0.0589
15	64QAM	1	37	20.84	21.01	20.73	0.0594	0.0618	0.0579
15	64QAM	1	74	20.68	20.79	21.04	0.0573	0.0587	0.0622
15	64QAM	36	0	19.80	19.88	19.80	0.0468	0.0476	0.0468
15	64QAM	36	20	19.65	19.88	19.96	0.0452	0.0476	0.0485
15	64QAM	36	39	19.82	19.71	19.98	0.0470	0.0458	0.0488
15	64QAM	75	0	19.83	19.79	19.93	0.0471	0.0467	0.0482
15	256QAM	1	0	17.81	17.83	18.00	0.0296	0.0297	0.0309
15	256QAM	1	37	17.75	17.93	17.76	0.0292	0.0304	0.0292
15	256QAM	1	74	17.70	17.87	17.94	0.0288	0.0300	0.0305
15	256QAM	36	0	17.87	17.86	17.74	0.0300	0.0299	0.0291
15	256QAM	36	20	17.86	17.80	17.85	0.0299	0.0295	0.0299
15	256QAM	36	39	17.89	17.87	17.93	0.0301	0.0300	0.0304
15	256QAM	75	0	17.85	17.85	18.01	0.0299	0.0299	0.0310
Channel				26090	26340	26640	EIRP(W)		
Frequency (MHz)				1855	1880	1910	L	M	H
10	QPSK	1	0	22.79	22.79	22.71	0.0931	0.0931	0.0914
10	QPSK	1	25	22.71	22.79	22.83	0.0914	0.0931	0.0940
10	QPSK	1	49	22.71	22.74	22.82	0.0914	0.0920	0.0938
10	QPSK	25	0	21.94	21.93	21.76	0.0766	0.0764	0.0735
10	QPSK	25	12	21.89	21.94	21.94	0.0757	0.0766	0.0766
10	QPSK	25	25	21.75	21.80	21.79	0.0733	0.0741	0.0740
10	QPSK	50	0	21.84	21.92	21.71	0.0748	0.0762	0.0726
10	16QAM	1	0	22.12	22.24	22.21	0.0798	0.0820	0.0815
10	16QAM	1	25	22.30	22.23	22.15	0.0832	0.0818	0.0804
10	16QAM	1	49	22.07	22.26	22.23	0.0789	0.0824	0.0818
10	16QAM	25	0	20.73	20.84	20.90	0.0579	0.0594	0.0603
10	16QAM	25	12	20.69	20.96	20.83	0.0574	0.0611	0.0593
10	16QAM	25	25	20.73	20.92	20.90	0.0579	0.0605	0.0603
10	16QAM	50	0	20.90	20.82	20.91	0.0603	0.0592	0.0604
10	64QAM	1	0	20.71	20.80	20.85	0.0577	0.0589	0.0596
10	64QAM	1	25	20.84	21.01	20.76	0.0594	0.0618	0.0583
10	64QAM	1	49	20.61	20.83	21.06	0.0564	0.0593	0.0625
10	64QAM	25	0	19.74	19.91	19.87	0.0461	0.0480	0.0475
10	64QAM	25	12	19.66	19.89	19.96	0.0453	0.0478	0.0485
10	64QAM	25	25	19.80	19.78	20.06	0.0468	0.0466	0.0497
10	64QAM	50	0	19.87	19.83	19.95	0.0475	0.0471	0.0484
10	256QAM	1	0	17.79	17.85	18.02	0.0294	0.0299	0.0310
10	256QAM	1	25	17.70	17.84	17.76	0.0288	0.0298	0.0292
10	256QAM	1	49	17.71	17.92	17.99	0.0289	0.0303	0.0308
10	256QAM	25	0	17.78	17.78	17.69	0.0294	0.0294	0.0288
10	256QAM	25	12	17.86	17.81	17.89	0.0299	0.0296	0.0301
10	256QAM	25	25	17.85	17.87	17.91	0.0299	0.0300	0.0303



10	256QAM	50	0	17.88	17.79	18.05	0.0301	0.0294	0.0313
Channel				26065	26340	26665	EIRP(W)		
Frequency (MHz)				1852.5	1880	1912.5	L	M	H
5	QPSK	1	0	22.81	22.84	22.77	0.0935	0.0942	0.0927
5	QPSK	1	12	22.75	22.75	22.75	0.0923	0.0923	0.0923
5	QPSK	1	24	22.75	22.75	22.78	0.0923	0.0923	0.0929
5	QPSK	12	0	21.90	21.92	21.76	0.0759	0.0762	0.0735
5	QPSK	12	7	21.81	21.89	21.90	0.0743	0.0757	0.0759
5	QPSK	12	13	21.74	21.85	21.84	0.0731	0.0750	0.0748
5	QPSK	25	0	21.87	21.91	21.78	0.0753	0.0760	0.0738
5	16QAM	1	0	22.11	22.21	22.18	0.0796	0.0815	0.0809
5	16QAM	1	12	22.28	22.27	22.11	0.0828	0.0826	0.0796
5	16QAM	1	24	22.07	22.19	22.19	0.0789	0.0811	0.0811
5	16QAM	12	0	20.69	20.80	20.90	0.0574	0.0589	0.0603
5	16QAM	12	7	20.76	20.92	20.83	0.0583	0.0605	0.0593
5	16QAM	12	13	20.73	20.88	20.95	0.0579	0.0600	0.0610
5	16QAM	25	0	20.90	20.85	20.89	0.0603	0.0596	0.0601
5	64QAM	1	0	20.68	20.78	20.80	0.0573	0.0586	0.0589
5	64QAM	1	12	20.82	20.96	20.69	0.0592	0.0611	0.0574
5	64QAM	1	24	20.69	20.79	21.01	0.0574	0.0587	0.0618
5	64QAM	12	0	19.77	19.84	19.85	0.0465	0.0472	0.0473
5	64QAM	12	7	19.63	19.94	19.97	0.0450	0.0483	0.0486
5	64QAM	12	13	19.80	19.76	20.06	0.0468	0.0463	0.0497
5	64QAM	25	0	19.87	19.80	19.93	0.0475	0.0468	0.0482
5	256QAM	1	0	17.76	17.85	18.05	0.0292	0.0299	0.0313
5	256QAM	1	12	17.75	17.87	17.71	0.0292	0.0300	0.0289
5	256QAM	1	24	17.64	17.94	17.91	0.0284	0.0305	0.0303
5	256QAM	12	0	17.83	17.82	17.76	0.0297	0.0296	0.0292
5	256QAM	12	7	17.90	17.83	17.94	0.0302	0.0297	0.0305
5	256QAM	12	13	17.89	17.91	17.92	0.0301	0.0303	0.0303
5	256QAM	25	0	17.78	17.76	17.99	0.0294	0.0292	0.0308
Channel				26055	26340	26675	EIRP(W)		
Frequency (MHz)				1851.5	1880	1913.5	L	M	H
3	QPSK	1	0	22.76	22.86	22.70	0.0925	0.0946	0.0912
3	QPSK	1	8	22.74	22.73	22.79	0.0920	0.0918	0.0931
3	QPSK	1	14	22.75	22.75	22.77	0.0923	0.0923	0.0927
3	QPSK	8	0	21.90	22.00	21.73	0.0759	0.0776	0.0729
3	QPSK	8	4	21.81	21.95	21.87	0.0743	0.0767	0.0753
3	QPSK	8	7	21.78	21.80	21.82	0.0738	0.0741	0.0745
3	QPSK	15	0	21.87	21.99	21.72	0.0753	0.0774	0.0728
3	16QAM	1	0	22.09	22.23	22.21	0.0793	0.0818	0.0815
3	16QAM	1	8	22.26	22.20	22.18	0.0824	0.0813	0.0809
3	16QAM	1	14	22.13	22.22	22.25	0.0800	0.0817	0.0822
3	16QAM	8	0	20.68	20.86	20.91	0.0573	0.0597	0.0604
3	16QAM	8	4	20.73	20.92	20.74	0.0579	0.0605	0.0581
3	16QAM	8	7	20.74	20.88	20.95	0.0581	0.0600	0.0610
3	16QAM	15	0	20.83	20.83	20.91	0.0593	0.0593	0.0604



3	64QAM	1	0	20.70	20.82	20.80	0.0575	0.0592	0.0589
3	64QAM	1	8	20.79	20.98	20.69	0.0587	0.0614	0.0574
3	64QAM	1	14	20.69	20.81	20.99	0.0574	0.0590	0.0615
3	64QAM	8	0	19.79	19.84	19.85	0.0467	0.0472	0.0473
3	64QAM	8	4	19.64	19.92	19.90	0.0451	0.0481	0.0479
3	64QAM	8	7	19.87	19.75	20.01	0.0475	0.0462	0.0491
3	64QAM	15	0	19.87	19.82	19.93	0.0475	0.0470	0.0482
3	256QAM	1	0	17.81	17.87	18.06	0.0296	0.0300	0.0313
3	256QAM	1	8	17.76	17.93	17.73	0.0292	0.0304	0.0290
3	256QAM	1	14	17.71	17.90	17.90	0.0289	0.0302	0.0302
3	256QAM	8	0	17.83	17.79	17.72	0.0297	0.0294	0.0290
3	256QAM	8	4	17.86	17.86	17.92	0.0299	0.0299	0.0303
3	256QAM	8	7	17.92	17.83	17.88	0.0303	0.0297	0.0301
3	256QAM	15	0	17.80	17.78	17.98	0.0295	0.0294	0.0308
Channel				26047	26340	26683	EIRP(W)		
Frequency (MHz)				1850.7	1880	1914.3	L	M	H
1.4	QPSK	1	0	22.82	22.86	22.72	0.0938	0.0946	0.0916
1.4	QPSK	1	3	22.66	22.75	22.77	0.0904	0.0923	0.0927
1.4	QPSK	1	5	22.76	22.77	22.84	0.0925	0.0927	0.0942
1.4	QPSK	3	0	22.84	22.85	22.77	0.0942	0.0944	0.0927
1.4	QPSK	3	1	22.71	22.82	22.75	0.0914	0.0938	0.0923
1.4	QPSK	3	3	22.77	22.75	22.90	0.0927	0.0923	0.0955
1.4	QPSK	6	0	21.86	21.97	21.78	0.0752	0.0771	0.0738
1.4	16QAM	1	0	22.07	22.22	22.17	0.0789	0.0817	0.0807
1.4	16QAM	1	3	22.24	22.27	22.13	0.0820	0.0826	0.0800
1.4	16QAM	1	5	22.15	22.17	22.17	0.0804	0.0807	0.0807
1.4	16QAM	3	0	22.02	22.30	22.12	0.0780	0.0832	0.0798
1.4	16QAM	3	1	22.23	22.29	22.09	0.0818	0.0830	0.0793
1.4	16QAM	3	3	22.22	22.17	22.21	0.0817	0.0807	0.0815
1.4	16QAM	6	0	20.88	20.86	20.86	0.0600	0.0597	0.0597
1.4	64QAM	1	0	20.70	20.83	20.85	0.0575	0.0593	0.0596
1.4	64QAM	1	3	20.87	21.02	20.76	0.0598	0.0619	0.0583
1.4	64QAM	1	5	20.65	20.82	21.02	0.0569	0.0592	0.0619
1.4	64QAM	3	0	20.74	20.78	20.87	0.0581	0.0586	0.0598
1.4	64QAM	3	1	20.83	21.07	20.80	0.0593	0.0627	0.0589
1.4	64QAM	3	3	20.62	20.82	20.97	0.0565	0.0592	0.0612
1.4	64QAM	6	0	19.86	19.79	19.91	0.0474	0.0467	0.0480
1.4	256QAM	1	0	17.81	17.86	18.03	0.0296	0.0299	0.0311
1.4	256QAM	1	3	17.79	17.89	17.76	0.0294	0.0301	0.0292
1.4	256QAM	1	5	17.66	17.89	17.93	0.0286	0.0301	0.0304
1.4	256QAM	3	0	17.82	17.79	17.71	0.0296	0.0294	0.0289
1.4	256QAM	3	1	17.87	17.79	17.93	0.0300	0.0294	0.0304
1.4	256QAM	3	3	17.94	17.87	17.89	0.0305	0.0300	0.0301
1.4	256QAM	6	0	17.83	17.83	18.07	0.0297	0.0297	0.0314



LTE Band 26_ANT4:

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	22.40	22.40	22.61	22.53	0.0394	0.0394	0.0413	0.0406
15	QPSK	1	37	22.32	22.32	22.55	22.54	0.0386	0.0386	0.0407	0.0406
15	QPSK	1	74	22.38	22.38	22.60	22.40	0.0392	0.0392	0.0412	0.0394
15	QPSK	36	0	21.49	21.49	21.59	21.47	0.0319	0.0319	0.0327	0.0318
15	QPSK	36	20	21.46	21.46	21.52	21.49	0.0317	0.0317	0.0321	0.0319
15	QPSK	36	39	21.45	21.45	21.55	21.42	0.0316	0.0316	0.0324	0.0314
15	QPSK	75	0	21.49	21.49	21.58	21.41	0.0319	0.0319	0.0326	0.0313
15	16QAM	1	0	21.38	21.38	21.63	21.52	0.0311	0.0311	0.0330	0.0321
15	16QAM	1	37	21.22	21.22	21.52	21.62	0.0300	0.0300	0.0321	0.0329
15	16QAM	1	74	21.31	21.31	21.64	21.41	0.0306	0.0306	0.0330	0.0313
15	16QAM	36	0	20.35	20.35	20.72	20.49	0.0245	0.0245	0.0267	0.0254
15	16QAM	36	20	20.36	20.36	20.49	20.60	0.0246	0.0246	0.0254	0.0260
15	16QAM	36	39	20.27	20.27	20.70	20.31	0.0241	0.0241	0.0266	0.0243
15	16QAM	75	0	20.51	20.51	20.52	20.63	0.0255	0.0255	0.0255	0.0262
15	64QAM	1	0	20.39	20.39	20.66	20.49	0.0248	0.0248	0.0264	0.0254
15	64QAM	1	37	20.44	20.44	20.56	20.54	0.0251	0.0251	0.0258	0.0256
15	64QAM	1	74	20.34	20.34	20.60	20.51	0.0245	0.0245	0.0260	0.0255
15	64QAM	36	0	19.46	19.46	19.50	19.57	0.0200	0.0200	0.0202	0.0205
15	64QAM	36	20	19.24	19.24	19.58	19.50	0.0190	0.0190	0.0206	0.0202
15	64QAM	36	39	19.47	19.47	19.65	19.47	0.0200	0.0200	0.0209	0.0200
15	64QAM	75	0	19.40	19.40	19.58	19.63	0.0197	0.0197	0.0206	0.0208
15	256QAM	1	0	17.44	17.44	17.67	17.58	0.0126	0.0126	0.0132	0.0130
15	256QAM	1	37	17.26	17.26	17.54	17.66	0.0121	0.0121	0.0129	0.0132
15	256QAM	1	74	17.26	17.26	17.53	17.50	0.0121	0.0121	0.0128	0.0127
15	256QAM	36	0	17.30	17.30	17.62	17.55	0.0122	0.0122	0.0131	0.0129
15	256QAM	36	20	17.40	17.40	17.67	17.61	0.0124	0.0124	0.0132	0.0131
15	256QAM	36	39	17.33	17.33	17.53	17.56	0.0122	0.0122	0.0128	0.0129
15	256QAM	75	0	17.46	17.46	17.62	17.37	0.0126	0.0126	0.0131	0.0124
Channel				26790	26840	26915	26990	ERP(W)			
Frequency (MHz)				824	829	836.5	844	Straddle Ch	L	M	H
10	QPSK	1	0		22.39	22.52	22.35		0.0393	0.0405	0.0389
10	QPSK	1	25		22.18	22.53	22.43		0.0374	0.0406	0.0396
10	QPSK	1	49		22.24	22.54	22.35		0.0379	0.0406	0.0389
10	QPSK	25	0		21.28	21.58	21.36		0.0304	0.0326	0.0310
10	QPSK	25	12		21.25	21.42	21.50		0.0302	0.0314	0.0320
10	QPSK	25	25		21.44	21.39	21.44		0.0316	0.0312	0.0316
10	QPSK	50	0		21.38	21.38	21.37		0.0311	0.0311	0.0310
10	16QAM	1	0		21.38	21.48	21.32		0.0311	0.0318	0.0307
10	16QAM	1	25		21.18	21.52	21.63		0.0297	0.0321	0.0330
10	16QAM	1	49		21.33	21.57	21.35		0.0308	0.0325	0.0309



10	16QAM	25	0		20.27	20.64	20.47		0.0241	0.0262	0.0252
10	16QAM	25	12		20.23	20.29	20.58		0.0239	0.0242	0.0259
10	16QAM	25	25		20.22	20.51	20.26		0.0238	0.0255	0.0240
10	16QAM	50	0		20.46	20.51	20.46		0.0252	0.0255	0.0252
10	64QAM	1	0		20.20	20.58	20.50		0.0237	0.0259	0.0254
10	64QAM	1	25		20.32	20.54	20.40		0.0244	0.0256	0.0248
10	64QAM	1	49		20.18	20.44	20.34		0.0236	0.0251	0.0245
10	64QAM	25	0		19.42	19.38	19.37		0.0198	0.0196	0.0196
10	64QAM	25	12		19.35	19.52	19.41		0.0195	0.0203	0.0198
10	64QAM	25	25		19.39	19.66	19.31		0.0197	0.0209	0.0193
10	64QAM	50	0		19.41	19.56	19.43		0.0198	0.0205	0.0199
10	256QAM	1	0		17.30	17.53	17.42		0.0122	0.0128	0.0125
10	256QAM	1	25		17.18	17.45	17.55		0.0118	0.0126	0.0129
10	256QAM	1	49		17.07	17.50	17.37		0.0115	0.0127	0.0124
10	256QAM	25	0		17.29	17.62	17.37		0.0121	0.0131	0.0124
10	256QAM	25	12		17.31	17.52	17.45		0.0122	0.0128	0.0126
10	256QAM	25	25		17.13	17.48	17.49		0.0117	0.0127	0.0127
10	256QAM	50	0		17.47	17.53	17.21		0.0126	0.0128	0.0119
Channel				26790	26815	26915	27015	ERP(W)			
Frequency (MHz)				824	826.5	836.5	846.5	Straddle Ch	L	M	H
5	QPSK	1	0		22.23	22.51	22.32		0.0378	0.0404	0.0386
5	QPSK	1	12		22.17	22.39	22.55		0.0373	0.0393	0.0407
5	QPSK	1	24		22.37	22.52	22.28		0.0391	0.0405	0.0383
5	QPSK	12	0		21.39	21.52	21.28		0.0312	0.0321	0.0304
5	QPSK	12	7		21.30	21.35	21.29		0.0305	0.0309	0.0305
5	QPSK	12	13		21.42	21.47	21.32		0.0314	0.0318	0.0307
5	QPSK	25	0		21.39	21.52	21.38		0.0312	0.0321	0.0311
5	16QAM	1	0		21.40	21.49	21.34		0.0313	0.0319	0.0308
5	16QAM	1	12		21.13	21.46	21.53		0.0294	0.0317	0.0322
5	16QAM	1	24		21.29	21.59	21.39		0.0305	0.0327	0.0312
5	16QAM	12	0		20.17	20.61	20.27		0.0236	0.0261	0.0241
5	16QAM	12	7		20.26	20.40	20.50		0.0240	0.0248	0.0254
5	16QAM	12	13		20.22	20.62	20.31		0.0238	0.0261	0.0243
5	16QAM	25	0		20.32	20.47	20.53		0.0244	0.0252	0.0256
5	64QAM	1	0		20.19	20.57	20.42		0.0237	0.0258	0.0249
5	64QAM	1	12		20.40	20.56	20.36		0.0248	0.0258	0.0246
5	64QAM	1	24		20.18	20.52	20.31		0.0236	0.0255	0.0243
5	64QAM	12	0		19.27	19.48	19.42		0.0191	0.0201	0.0198
5	64QAM	12	7		19.15	19.42	19.32		0.0186	0.0198	0.0194
5	64QAM	12	13		19.26	19.45	19.27		0.0191	0.0200	0.0191
5	64QAM	25	0		19.40	19.50	19.58		0.0197	0.0202	0.0206
5	256QAM	1	0		17.27	17.46	17.50		0.0121	0.0126	0.0127
5	256QAM	1	12		17.20	17.54	17.44		0.0119	0.0129	0.0126
5	256QAM	1	24		17.25	17.50	17.32		0.0120	0.0127	0.0122
5	256QAM	12	0		17.31	17.59	17.55		0.0122	0.0130	0.0129
5	256QAM	12	7		17.37	17.48	17.59		0.0124	0.0127	0.0130
5	256QAM	12	13		17.22	17.40	17.57		0.0119	0.0124	0.0129



5	256QAM	25	0		17.48	17.54	17.36		0.0127	0.0129	0.0123
Channel				26790	26815	26915	27025	ERP(W)			
Frequency (MHz)				824	825.5	836.5	847.5	Straddle Ch	L	M	H
3	QPSK	1	0		22.32	22.44	22.53		0.0386	0.0397	0.0406
3	QPSK	1	8		22.32	22.49	22.39		0.0386	0.0402	0.0393
3	QPSK	1	14		22.30	22.44	22.38		0.0385	0.0397	0.0392
3	QPSK	8	0		21.36	21.48	21.44		0.0310	0.0318	0.0316
3	QPSK	8	4		21.34	21.52	21.29		0.0308	0.0321	0.0305
3	QPSK	8	7		21.43	21.41	21.37		0.0315	0.0313	0.0310
3	QPSK	15	0		21.28	21.55	21.37		0.0304	0.0324	0.0310
3	16QAM	1	0		21.35	21.46	21.43		0.0309	0.0317	0.0315
3	16QAM	1	8		21.16	21.43	21.60		0.0296	0.0315	0.0327
3	16QAM	1	14		21.19	21.44	21.37		0.0298	0.0316	0.0310
3	16QAM	8	0		20.27	20.61	20.39		0.0241	0.0261	0.0248
3	16QAM	8	4		20.34	20.27	20.49		0.0245	0.0241	0.0254
3	16QAM	8	7		20.28	20.67	20.20		0.0242	0.0264	0.0237
3	16QAM	15	0		20.40	20.42	20.56		0.0248	0.0249	0.0258
3	64QAM	1	0		20.19	20.63	20.46		0.0237	0.0262	0.0252
3	64QAM	1	8		20.34	20.52	20.51		0.0245	0.0255	0.0255
3	64QAM	1	14		20.32	20.54	20.47		0.0244	0.0256	0.0252
3	64QAM	8	0		19.46	19.43	19.43		0.0200	0.0199	0.0199
3	64QAM	8	4		19.04	19.40	19.34		0.0182	0.0197	0.0195
3	64QAM	8	7		19.48	19.44	19.28		0.0201	0.0199	0.0192
3	64QAM	15	0		19.26	19.46	19.59		0.0191	0.0200	0.0206
3	256QAM	1	0		17.31	17.47	17.52		0.0122	0.0126	0.0128
3	256QAM	1	8		17.15	17.38	17.58		0.0117	0.0124	0.0130
3	256QAM	1	14		17.17	17.47	17.33		0.0118	0.0126	0.0122
3	256QAM	8	0		17.18	17.49	17.40		0.0118	0.0127	0.0124
3	256QAM	8	4		17.34	17.68	17.42		0.0123	0.0133	0.0125
3	256QAM	8	7		17.29	17.32	17.35		0.0121	0.0122	0.0123
3	256QAM	15	0		17.26	17.63	17.29		0.0121	0.0131	0.0121
Channel				26790	26797	26915	27033	ERP(W)			
Frequency (MHz)				824	824.7	836.5	848.3	Straddle Ch	L	M	H
1.4	QPSK	1	0		22.31	22.46	22.41		0.0385	0.0399	0.0394
1.4	QPSK	1	3		22.15	22.36	22.41		0.0372	0.0390	0.0394
1.4	QPSK	1	5		22.28	22.45	22.30		0.0383	0.0398	0.0385
1.4	QPSK	3	0		22.26	22.40	22.27		0.0381	0.0394	0.0382
1.4	QPSK	3	1		22.01	22.19	22.36		0.0360	0.0375	0.0390
1.4	QPSK	3	3		22.11	22.31	22.12		0.0368	0.0385	0.0369
1.4	QPSK	6	0		21.37	21.38	21.33		0.0310	0.0311	0.0308
1.4	16QAM	1	0		21.38	21.52	21.53		0.0311	0.0321	0.0322
1.4	16QAM	1	3		21.04	21.45	21.48		0.0288	0.0316	0.0318
1.4	16QAM	1	5		21.14	21.50	21.34		0.0294	0.0320	0.0308
1.4	16QAM	3	0		22.10	22.32	22.27		0.0367	0.0386	0.0382
1.4	16QAM	3	1		21.91	22.12	22.25		0.0352	0.0369	0.0380
1.4	16QAM	3	3		22.10	22.31	21.95		0.0367	0.0385	0.0355
1.4	16QAM	6	0		20.52	20.49	20.49		0.0255	0.0254	0.0254



1.4	64QAM	1	0		20.39	20.66	20.46		0.0248	0.0264	0.0252
1.4	64QAM	1	3		20.40	20.46	20.41		0.0248	0.0252	0.0249
1.4	64QAM	1	5		20.20	20.41	20.46		0.0237	0.0249	0.0252
1.4	64QAM	3	0		20.20	20.45	20.44		0.0237	0.0251	0.0251
1.4	64QAM	3	1		20.39	20.36	20.28		0.0248	0.0246	0.0242
1.4	64QAM	3	3		20.08	20.36	20.38		0.0231	0.0246	0.0247
1.4	64QAM	6	0		19.30	19.39	19.56		0.0193	0.0197	0.0205
1.4	256QAM	1	0		17.39	17.46	17.58		0.0124	0.0126	0.0130
1.4	256QAM	1	3		17.17	17.46	17.45		0.0118	0.0126	0.0126
1.4	256QAM	1	5		17.17	17.37	17.45		0.0118	0.0124	0.0126
1.4	256QAM	3	0		17.16	17.44	17.34		0.0118	0.0126	0.0123
1.4	256QAM	3	1		17.23	17.48	17.61		0.0120	0.0127	0.0131
1.4	256QAM	3	3		17.15	17.40	17.36		0.0117	0.0124	0.0123
1.4	256QAM	6	0		17.39	17.61	17.16		0.0124	0.0131	0.0118

LTE Band 66_ANT1:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				132072	132322	132572			
Frequency (MHz)				1720	1745	1770	L	M	H
20	QPSK	1	0	22.90	22.93	22.73	0.0851	0.0857	0.0818
20	QPSK	1	49	22.71	22.90	22.67	0.0815	0.0851	0.0807
20	QPSK	1	99	22.85	22.83	22.63	0.0841	0.0838	0.0800
20	QPSK	50	0	21.83	22.03	21.79	0.0665	0.0697	0.0659
20	QPSK	50	24	21.70	21.90	21.57	0.0646	0.0676	0.0627
20	QPSK	50	50	21.84	21.86	21.54	0.0667	0.0670	0.0622
20	QPSK	100	0	21.67	21.92	21.75	0.0641	0.0679	0.0653
20	16QAM	1	0	21.94	21.91	21.53	0.0682	0.0678	0.0621
20	16QAM	1	49	21.60	21.88	21.76	0.0631	0.0673	0.0655
20	16QAM	1	99	21.92	21.77	21.72	0.0679	0.0656	0.0649
20	16QAM	50	0	20.70	20.92	20.61	0.0513	0.0540	0.0502
20	16QAM	50	24	20.92	20.85	20.74	0.0540	0.0531	0.0518
20	16QAM	50	50	20.69	20.83	20.72	0.0512	0.0528	0.0515
20	16QAM	100	0	20.85	20.90	20.70	0.0531	0.0537	0.0513
20	64QAM	1	0	20.67	20.93	20.63	0.0509	0.0541	0.0505
20	64QAM	1	49	20.72	20.84	20.65	0.0515	0.0530	0.0507
20	64QAM	1	99	20.82	20.85	20.56	0.0527	0.0531	0.0497
20	64QAM	50	0	19.62	19.88	19.58	0.0400	0.0425	0.0396
20	64QAM	50	24	19.96	19.73	19.74	0.0433	0.0410	0.0411
20	64QAM	50	50	19.74	19.93	19.61	0.0411	0.0430	0.0399
20	64QAM	100	0	19.89	19.91	19.58	0.0426	0.0428	0.0396
20	256QAM	1	0	17.65	17.90	17.61	0.0254	0.0269	0.0252
20	256QAM	1	49	17.93	17.79	17.63	0.0271	0.0262	0.0253
20	256QAM	1	99	17.71	17.85	17.66	0.0258	0.0266	0.0255
20	256QAM	50	0	17.95	17.92	17.60	0.0272	0.0270	0.0251



20	256QAM	50	24	17.71	17.86	17.69	0.0258	0.0267	0.0256
20	256QAM	50	50	17.79	17.80	17.56	0.0262	0.0263	0.0249
20	256QAM	100	0	17.87	17.82	17.51	0.0267	0.0264	0.0246
Channel				132047	132322	132597	EIRP(W)		
Frequency (MHz)				1717.5	1745	1772.5	L	M	H
15	QPSK	1	0	22.74	22.83	22.67	0.0820	0.0838	0.0807
15	QPSK	1	37	22.67	22.70	22.76	0.0807	0.0813	0.0824
15	QPSK	1	74	22.76	22.78	22.47	0.0824	0.0828	0.0771
15	QPSK	36	0	21.64	22.14	21.70	0.0637	0.0714	0.0646
15	QPSK	36	20	21.67	21.81	21.88	0.0641	0.0662	0.0673
15	QPSK	36	39	21.71	21.88	21.81	0.0647	0.0673	0.0662
15	QPSK	75	0	21.81	21.70	21.83	0.0662	0.0646	0.0665
15	16QAM	1	0	21.87	21.82	21.43	0.0671	0.0664	0.0607
15	16QAM	1	37	21.63	21.76	21.71	0.0635	0.0655	0.0647
15	16QAM	1	74	21.76	21.78	21.75	0.0655	0.0658	0.0653
15	16QAM	36	0	20.72	20.74	20.45	0.0515	0.0518	0.0484
15	16QAM	36	20	20.74	20.78	20.65	0.0518	0.0522	0.0507
15	16QAM	36	39	20.73	20.56	20.81	0.0516	0.0497	0.0526
15	16QAM	75	0	20.74	20.76	20.68	0.0518	0.0520	0.0511
15	64QAM	1	0	20.64	20.66	20.54	0.0506	0.0508	0.0494
15	64QAM	1	37	20.46	20.74	20.43	0.0485	0.0518	0.0482
15	64QAM	1	74	20.79	20.85	20.40	0.0524	0.0531	0.0479
15	64QAM	36	0	19.58	19.67	19.61	0.0396	0.0405	0.0399
15	64QAM	36	20	19.74	19.76	19.77	0.0411	0.0413	0.0414
15	64QAM	36	39	19.54	19.75	19.50	0.0393	0.0412	0.0389
15	64QAM	75	0	19.60	19.82	19.57	0.0398	0.0419	0.0395
15	256QAM	1	0	17.55	17.80	17.46	0.0248	0.0263	0.0243
15	256QAM	1	37	17.68	17.70	17.57	0.0256	0.0257	0.0249
15	256QAM	1	74	17.47	17.66	17.45	0.0244	0.0255	0.0243
15	256QAM	36	0	17.71	17.92	17.52	0.0258	0.0270	0.0247
15	256QAM	36	20	17.59	17.83	17.52	0.0251	0.0265	0.0247
15	256QAM	36	39	17.75	17.67	17.55	0.0260	0.0255	0.0248
15	256QAM	75	0	17.62	17.67	17.64	0.0252	0.0255	0.0254
Channel				132022	132322	132622	EIRP(W)		
Frequency (MHz)				1715	1745	1775	L	M	H
10	QPSK	1	0	22.81	22.85	22.68	0.0834	0.0841	0.0809
10	QPSK	1	25	22.64	22.74	22.49	0.0802	0.0820	0.0774
10	QPSK	1	49	22.87	22.81	22.50	0.0845	0.0834	0.0776
10	QPSK	25	0	21.65	21.86	21.78	0.0638	0.0670	0.0658
10	QPSK	25	12	21.71	21.71	21.53	0.0647	0.0647	0.0621
10	QPSK	25	25	21.71	21.70	21.39	0.0647	0.0646	0.0601
10	QPSK	50	0	21.55	21.75	21.65	0.0624	0.0653	0.0638
10	16QAM	1	0	21.93	21.91	21.51	0.0681	0.0678	0.0618
10	16QAM	1	25	21.51	21.82	21.75	0.0618	0.0664	0.0653
10	16QAM	1	49	21.73	21.60	21.55	0.0650	0.0631	0.0624
10	16QAM	25	0	20.48	20.84	20.60	0.0488	0.0530	0.0501
10	16QAM	25	12	20.72	20.83	20.63	0.0515	0.0528	0.0505



10	16QAM	25	25	20.59	20.74	20.66	0.0500	0.0518	0.0508
10	16QAM	50	0	20.82	20.90	20.61	0.0527	0.0537	0.0502
10	64QAM	1	0	20.54	20.81	20.51	0.0494	0.0526	0.0491
10	64QAM	1	25	20.53	20.68	20.66	0.0493	0.0511	0.0508
10	64QAM	1	49	20.63	20.74	20.48	0.0505	0.0518	0.0488
10	64QAM	25	0	19.52	19.75	19.43	0.0391	0.0412	0.0383
10	64QAM	25	12	19.79	19.58	19.69	0.0416	0.0396	0.0406
10	64QAM	25	25	19.63	19.90	19.45	0.0401	0.0427	0.0385
10	64QAM	50	0	19.86	19.76	19.40	0.0423	0.0413	0.0380
10	256QAM	1	0	17.46	17.74	17.48	0.0243	0.0259	0.0244
10	256QAM	1	25	17.86	17.78	17.62	0.0267	0.0262	0.0252
10	256QAM	1	49	17.72	17.81	17.61	0.0258	0.0264	0.0252
10	256QAM	25	0	17.95	17.73	17.56	0.0272	0.0259	0.0249
10	256QAM	25	12	17.57	17.70	17.52	0.0249	0.0257	0.0247
10	256QAM	25	25	17.65	17.62	17.51	0.0254	0.0252	0.0246
10	256QAM	50	0	17.81	17.76	17.49	0.0264	0.0261	0.0245
Channel				131997	132322	132647	EIRP(W)		
Frequency (MHz)				1712.5	1745	1777.5	L	M	H
5	QPSK	1	0	22.81	22.77	22.76	0.0834	0.0826	0.0824
5	QPSK	1	12	22.62	22.66	22.48	0.0798	0.0805	0.0773
5	QPSK	1	24	22.73	22.73	22.48	0.0818	0.0818	0.0773
5	QPSK	12	0	21.63	21.89	21.76	0.0635	0.0675	0.0655
5	QPSK	12	7	21.68	21.60	21.63	0.0643	0.0631	0.0635
5	QPSK	12	13	21.70	21.69	21.39	0.0646	0.0644	0.0601
5	QPSK	25	0	21.50	21.65	21.60	0.0617	0.0638	0.0631
5	16QAM	1	0	21.90	21.91	21.48	0.0676	0.0678	0.0614
5	16QAM	1	12	21.61	21.92	21.76	0.0632	0.0679	0.0655
5	16QAM	1	24	21.82	21.53	21.50	0.0664	0.0621	0.0617
5	16QAM	12	0	20.44	20.86	20.50	0.0483	0.0532	0.0490
5	16QAM	12	7	20.67	20.82	20.64	0.0509	0.0527	0.0506
5	16QAM	12	13	20.48	20.80	20.55	0.0488	0.0525	0.0495
5	16QAM	25	0	20.92	20.94	20.57	0.0540	0.0542	0.0498
5	64QAM	1	0	20.56	20.74	20.54	0.0497	0.0518	0.0494
5	64QAM	1	12	20.49	20.66	20.71	0.0489	0.0508	0.0514
5	64QAM	1	24	20.71	20.78	20.41	0.0514	0.0522	0.0480
5	64QAM	12	0	19.63	19.82	19.51	0.0401	0.0419	0.0390
5	64QAM	12	7	19.83	19.54	19.66	0.0420	0.0393	0.0404
5	64QAM	12	13	19.56	19.86	19.48	0.0394	0.0423	0.0387
5	64QAM	25	0	19.92	19.76	19.49	0.0429	0.0413	0.0388
5	256QAM	1	0	17.53	17.80	17.46	0.0247	0.0263	0.0243
5	256QAM	1	12	17.77	17.89	17.61	0.0261	0.0269	0.0252
5	256QAM	1	24	17.67	17.79	17.62	0.0255	0.0262	0.0252
5	256QAM	12	0	17.85	17.74	17.54	0.0266	0.0259	0.0248
5	256QAM	12	7	17.47	17.71	17.45	0.0244	0.0258	0.0243
5	256QAM	12	13	17.71	17.68	17.53	0.0258	0.0256	0.0247
5	256QAM	25	0	17.83	17.74	17.57	0.0265	0.0259	0.0249
Channel				131987	132322	132657	EIRP(W)		



Frequency (MHz)				1711.5	1745	1778.5	L	M	H
3	QPSK	1	0	22.86	22.77	22.70	0.0843	0.0826	0.0813
3	QPSK	1	8	22.59	22.80	22.69	0.0793	0.0832	0.0811
3	QPSK	1	14	22.83	22.80	22.42	0.0838	0.0832	0.0762
3	QPSK	8	0	21.77	22.05	21.63	0.0656	0.0700	0.0635
3	QPSK	8	4	21.56	21.90	21.82	0.0625	0.0676	0.0664
3	QPSK	8	7	21.84	21.81	21.72	0.0667	0.0662	0.0649
3	QPSK	15	0	21.71	21.74	21.76	0.0647	0.0652	0.0655
3	16QAM	1	0	21.87	21.75	21.43	0.0671	0.0653	0.0607
3	16QAM	1	8	21.60	21.73	21.73	0.0631	0.0650	0.0650
3	16QAM	1	14	21.76	21.76	21.72	0.0655	0.0655	0.0649
3	16QAM	8	0	20.70	20.84	20.49	0.0513	0.0530	0.0489
3	16QAM	8	4	20.79	20.78	20.68	0.0524	0.0522	0.0511
3	16QAM	8	7	20.69	20.65	20.73	0.0512	0.0507	0.0516
3	16QAM	15	0	20.67	20.70	20.62	0.0509	0.0513	0.0504
3	64QAM	1	0	20.66	20.79	20.51	0.0508	0.0524	0.0491
3	64QAM	1	8	20.51	20.72	20.52	0.0491	0.0515	0.0492
3	64QAM	1	14	20.81	20.79	20.53	0.0526	0.0524	0.0493
3	64QAM	8	0	19.59	19.67	19.57	0.0397	0.0405	0.0395
3	64QAM	8	4	19.82	19.66	19.73	0.0419	0.0404	0.0410
3	64QAM	8	7	19.52	19.87	19.47	0.0391	0.0424	0.0386
3	64QAM	15	0	19.70	19.79	19.47	0.0407	0.0416	0.0386
3	256QAM	1	0	17.67	17.89	17.40	0.0255	0.0269	0.0240
3	256QAM	1	8	17.73	17.67	17.55	0.0259	0.0255	0.0248
3	256QAM	1	14	17.55	17.79	17.51	0.0248	0.0262	0.0246
3	256QAM	8	0	17.74	17.85	17.47	0.0259	0.0266	0.0244
3	256QAM	8	4	17.70	17.72	17.49	0.0257	0.0258	0.0245
3	256QAM	8	7	17.74	17.60	17.40	0.0259	0.0251	0.0240
3	256QAM	15	0	17.68	17.74	17.33	0.0256	0.0259	0.0236
Channel				131979	132322	132665	EIRP(W)		
Frequency (MHz)				1710.7	1745	1779.3	L	M	H
1.4	QPSK	1	0	22.84	22.82	22.71	0.0839	0.0836	0.0815
1.4	QPSK	1	3	22.79	22.87	22.64	0.0830	0.0845	0.0802
1.4	QPSK	1	5	22.74	22.90	22.72	0.0820	0.0851	0.0817
1.4	QPSK	3	0	22.72	22.76	22.60	0.0817	0.0824	0.0794
1.4	QPSK	3	1	22.77	22.72	22.74	0.0826	0.0817	0.0820
1.4	QPSK	3	3	22.70	22.84	22.53	0.0813	0.0839	0.0782
1.4	QPSK	6	0	21.94	21.97	21.71	0.0682	0.0687	0.0647
1.4	16QAM	1	0	21.83	21.89	21.64	0.0665	0.0675	0.0637
1.4	16QAM	1	3	21.83	22.01	21.84	0.0665	0.0693	0.0667
1.4	16QAM	1	5	21.79	21.90	21.66	0.0659	0.0676	0.0640
1.4	16QAM	3	0	22.01	21.89	21.83	0.0693	0.0675	0.0665
1.4	16QAM	3	1	21.88	21.83	21.80	0.0673	0.0665	0.0661
1.4	16QAM	3	3	21.94	21.95	21.65	0.0682	0.0684	0.0638
1.4	16QAM	6	0	20.86	20.90	20.81	0.0532	0.0537	0.0526
1.4	64QAM	1	0	20.98	21.01	20.77	0.0547	0.0551	0.0521
1.4	64QAM	1	3	20.97	21.04	20.71	0.0546	0.0555	0.0514



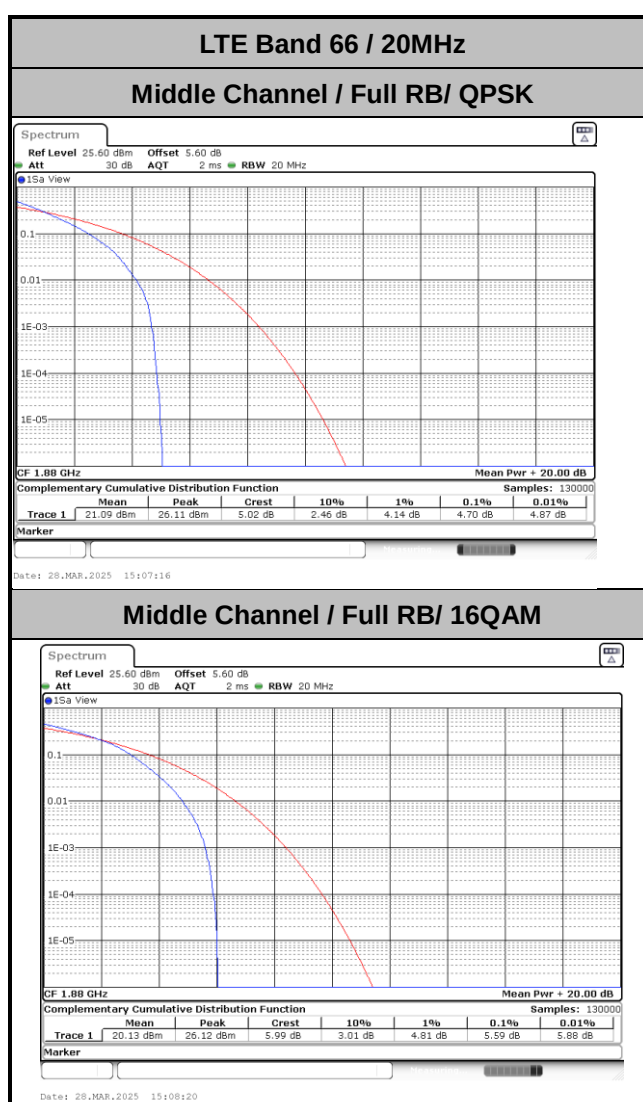
1.4	64QAM	1	5	20.87	20.98	20.83	0.0533	0.0547	0.0528
1.4	64QAM	3	0	20.89	20.96	20.76	0.0536	0.0545	0.0520
1.4	64QAM	3	1	21.01	20.99	20.81	0.0551	0.0548	0.0526
1.4	64QAM	3	3	20.97	21.01	20.63	0.0546	0.0551	0.0505
1.4	64QAM	6	0	19.92	19.93	19.71	0.0429	0.0430	0.0408
1.4	256QAM	1	0	17.83	17.85	17.82	0.0265	0.0266	0.0264
1.4	256QAM	1	3	17.95	17.95	17.71	0.0272	0.0272	0.0258
1.4	256QAM	1	5	17.89	17.94	17.77	0.0269	0.0272	0.0261
1.4	256QAM	3	0	17.94	17.88	17.84	0.0272	0.0268	0.0265
1.4	256QAM	3	1	17.84	17.85	17.63	0.0265	0.0266	0.0253
1.4	256QAM	3	3	17.92	17.90	17.72	0.0270	0.0269	0.0258
1.4	256QAM	6	0	17.78	17.90	17.62	0.0262	0.0269	0.0252

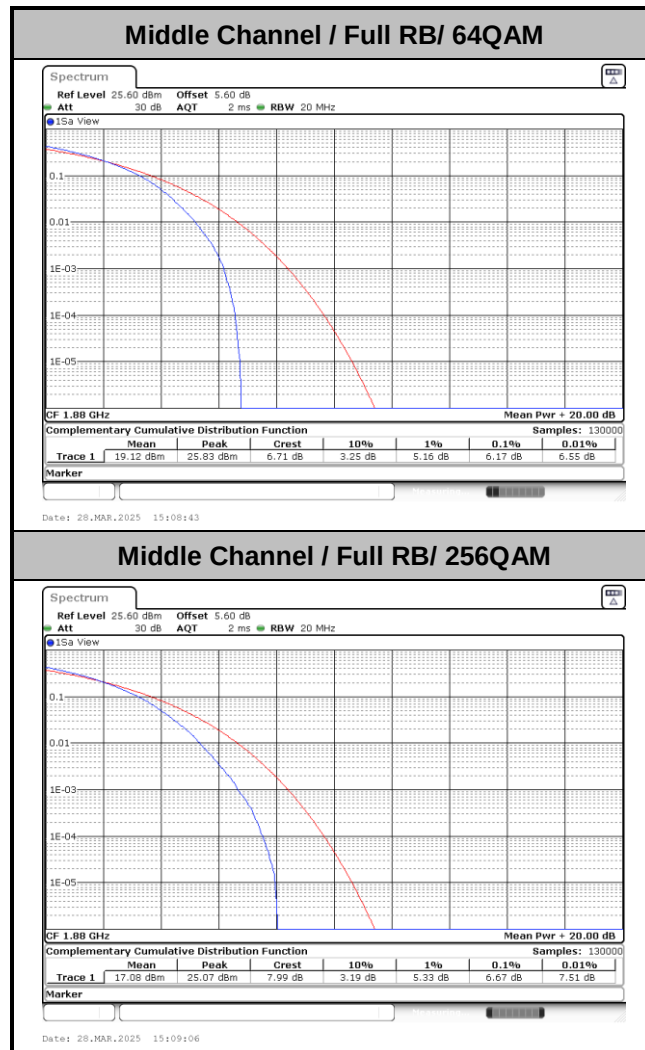


LTE Band 2(Other PA)

Peak-to-Average Ratio

Mode	LTE Band 2 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.70	5.59	6.17	6.67	PASS





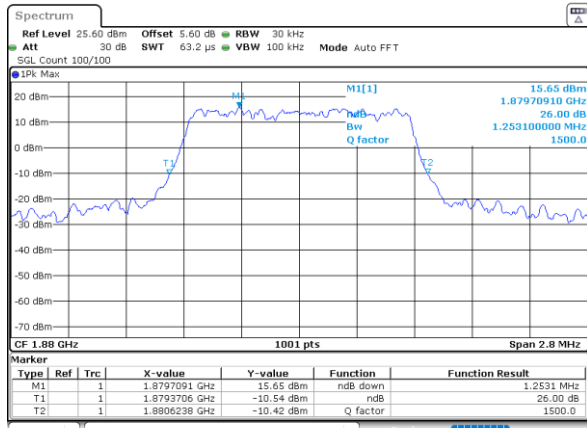
**26dB Bandwidth**

Mode	LTE Band 2 : 26dB BW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.25	1.30
Mode	LTE Band 2 : 26dB BW(MHz)	
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	3.00	2.98
Mode	LTE Band 2 : 26dB BW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.87	4.91
Mode	LTE Band 2 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.83	10.01
Mode	LTE Band 2 : 26dB BW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.24	14.36
Mode	LTE Band 2 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	19.06	19.14

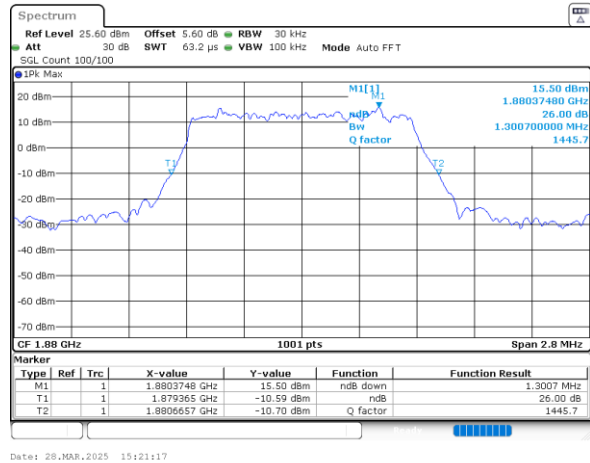


LTE Band 2

Middle Channel / 1.4MHz / QPSK

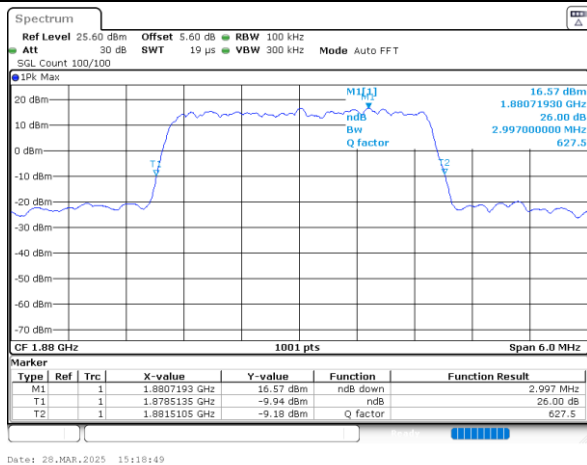


Middle Channel / 1.4MHz / 16QAM

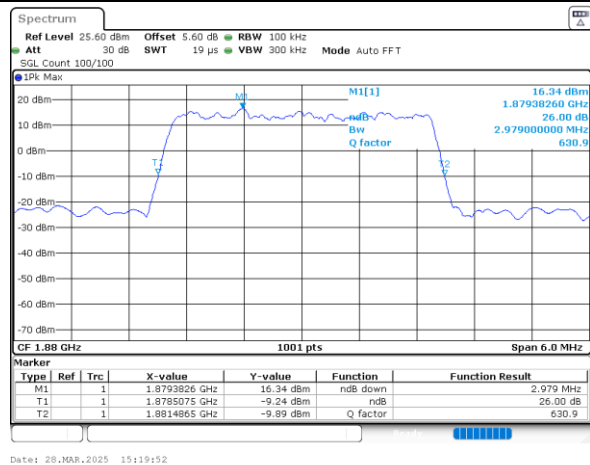


LTE Band 2

Middle Channel / 3MHz / QPSK

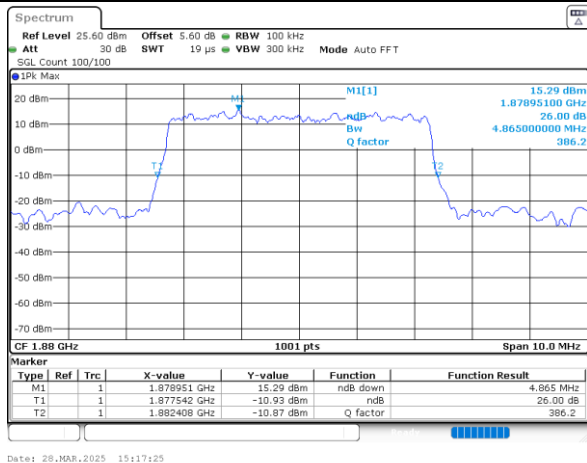


Middle Channel / 3MHz / 16QAM

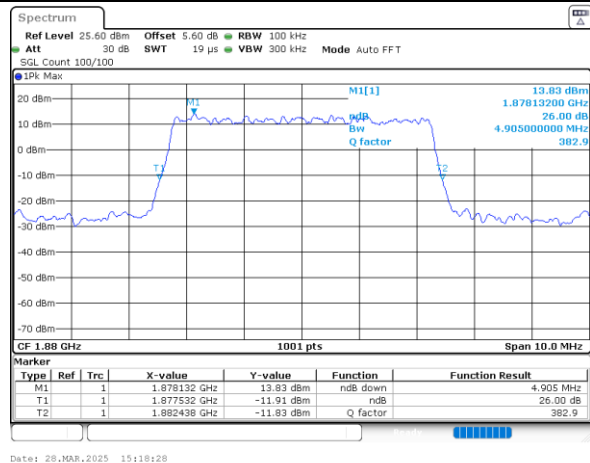


LTE Band 2

Middle Channel / 5MHz / QPSK



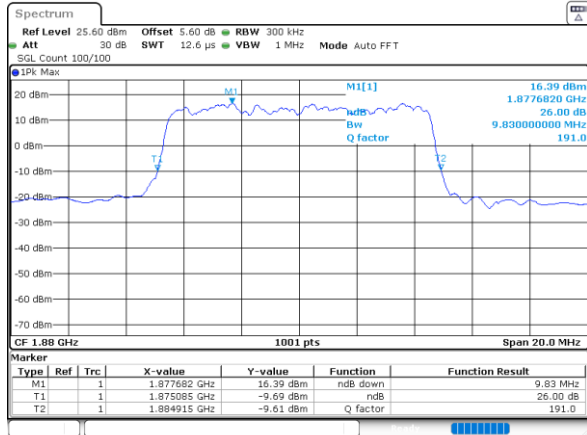
Middle Channel / 5MHz / 16QAM





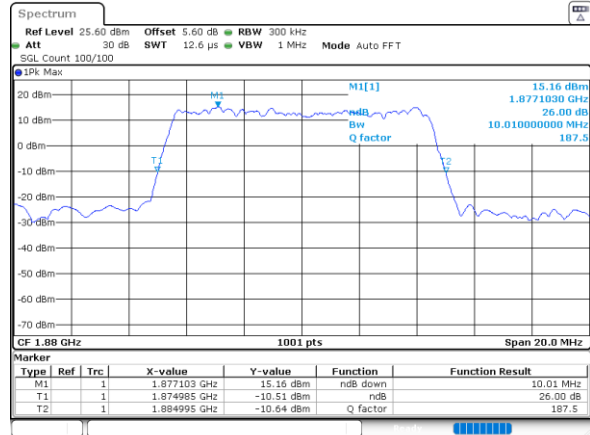
LTE Band 2

Middle Channel / 10MHz / QPSK



Date: 28.MAR.2025 15:16:00

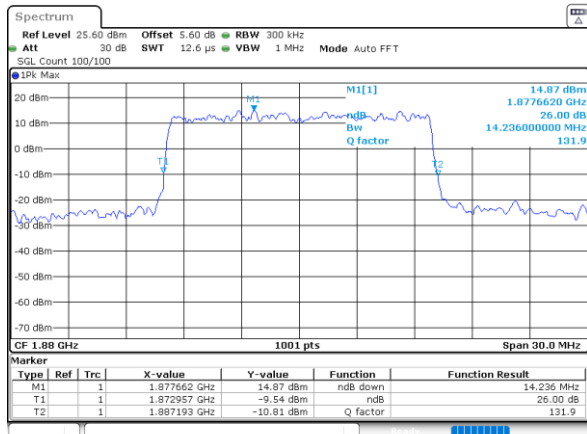
Middle Channel / 10MHz / 16QAM



Date: 28.MAR.2025 15:17:03

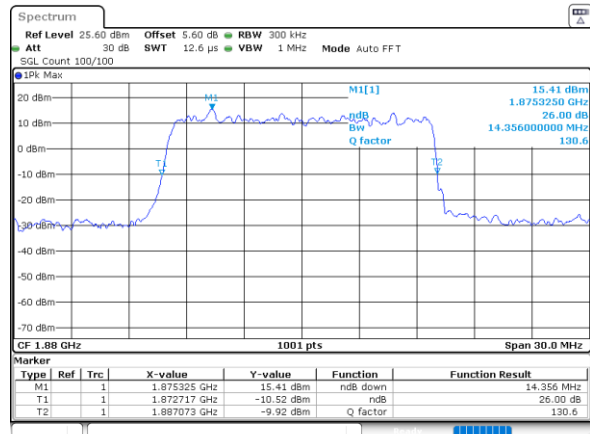
LTE Band 2

Middle Channel / 15MHz / QPSK



Date: 28.MAR.2025 15:14:36

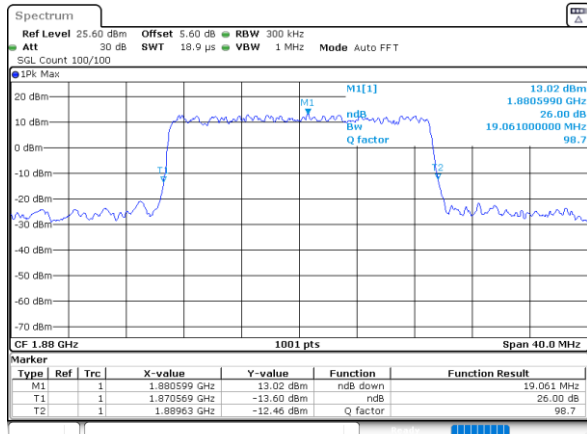
Middle Channel / 15MHz / 16QAM



Date: 28.MAR.2025 15:15:39

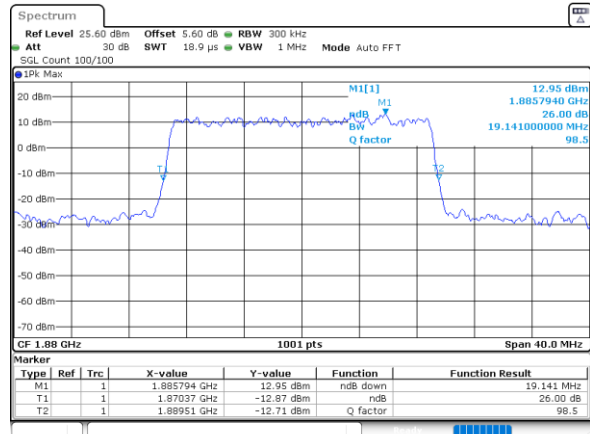
LTE Band 2

Middle Channel / 20MHz / QPSK



Date: 28.MAR.2025 15:06:33

Middle Channel / 20MHz / 16QAM



Date: 28.MAR.2025 15:07:38

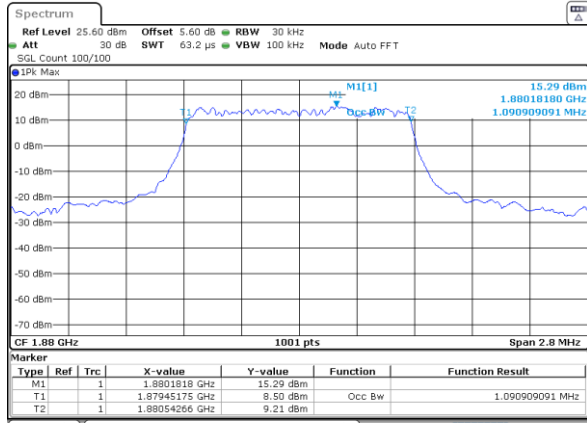
**Occupied Bandwidth**

Mode	LTE Band 2 : 99%OBW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.09	1.09
Mode	LTE Band 2 : 99%OBW(MHz)	
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.70	2.73
Mode	LTE Band 2 : 99%OBW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.50	4.50
Mode	LTE Band 2 : 99%OBW(MHz)	
BW	10MHz	
17.90	QPSK	16QAM
Middle CH	8.99	9.05
Mode	LTE Band 2 : 99%OBW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.52	13.46
Mode	LTE Band 2 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.90	17.86

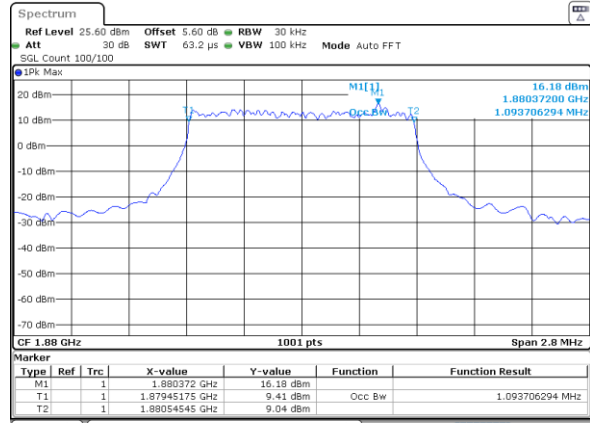


LTE Band 2

Middle Channel / 1.4MHz / QPSK

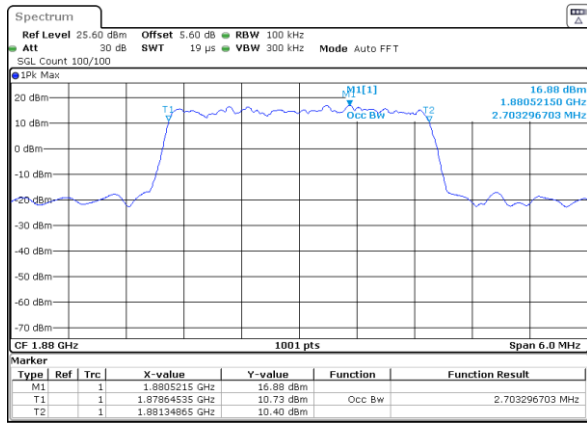


Middle Channel / 1.4MHz / 16QAM

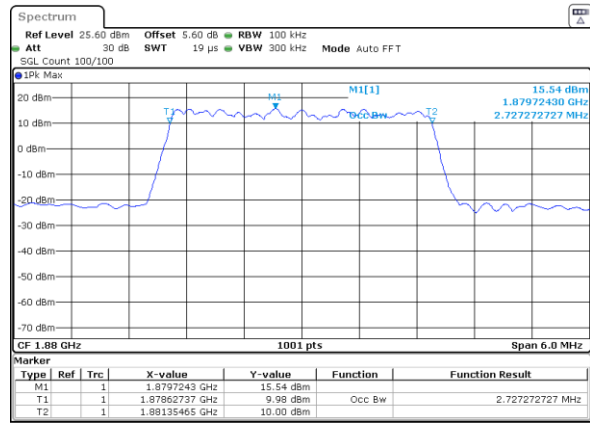


LTE Band 2

Middle Channel / 3MHz / QPSK

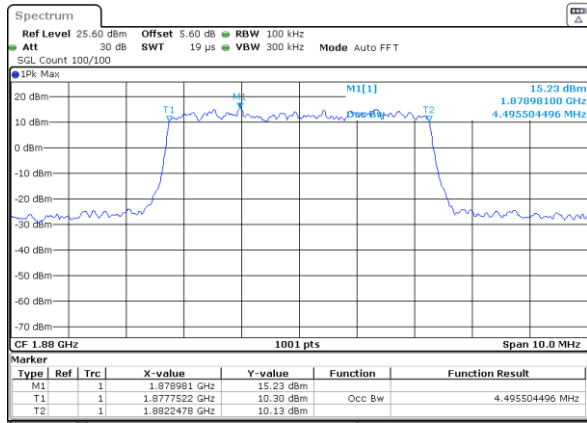


Middle Channel / 3MHz / 16QAM

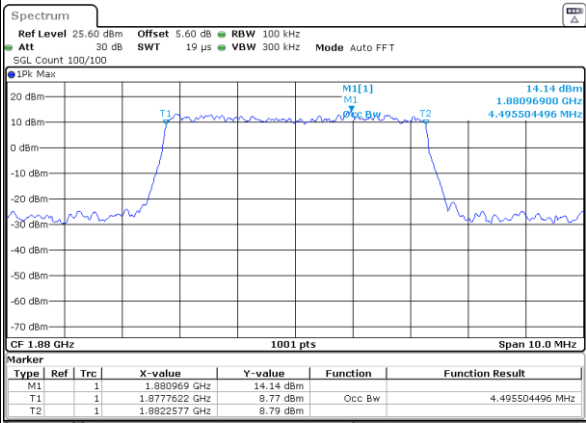


LTE Band 2

Middle Channel / 5MHz / QPSK



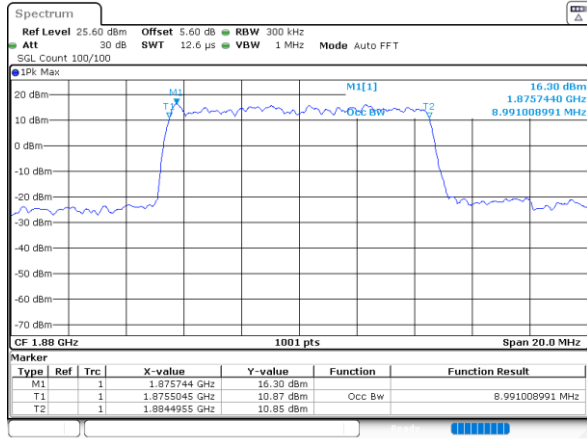
Middle Channel / 5MHz / 16QAM





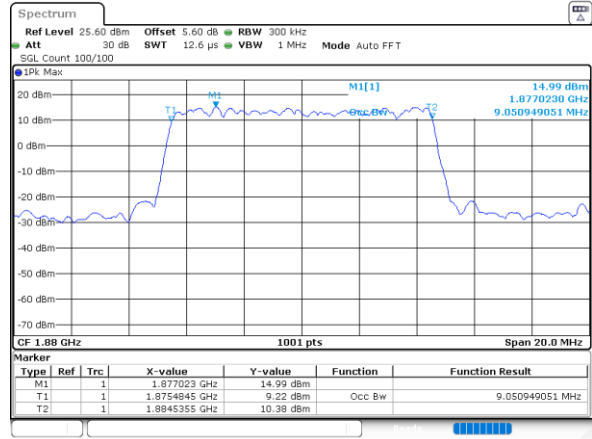
LTE Band 2

Middle Channel / 10MHz / QPSK



Date: 28.MAR.2025 15:16:21

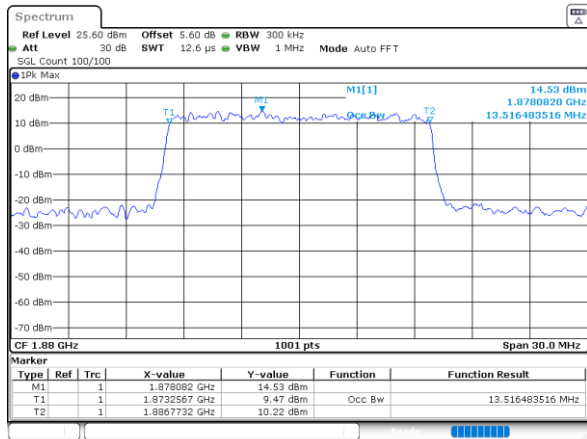
Middle Channel / 10MHz / 16QAM



Date: 28.MAR.2025 15:16:42

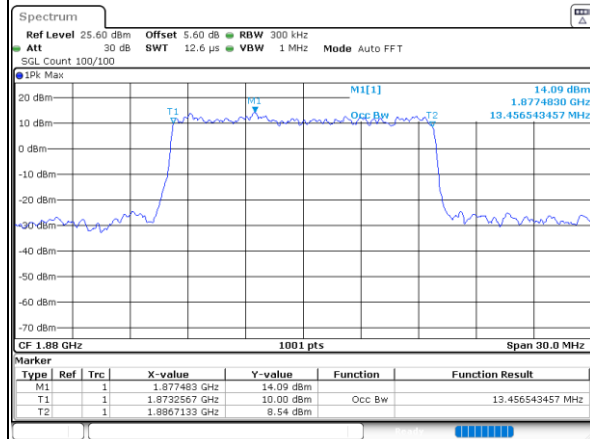
LTE Band 2

Middle Channel / 15MHz / QPSK



Date: 28.MAR.2025 15:14:57

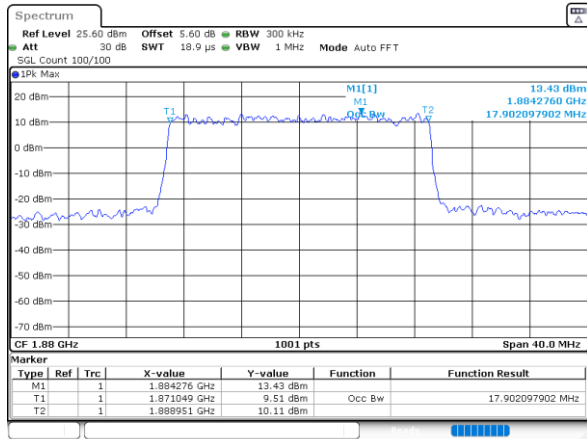
Middle Channel / 15MHz / 16QAM



Date: 28.MAR.2025 15:15:18

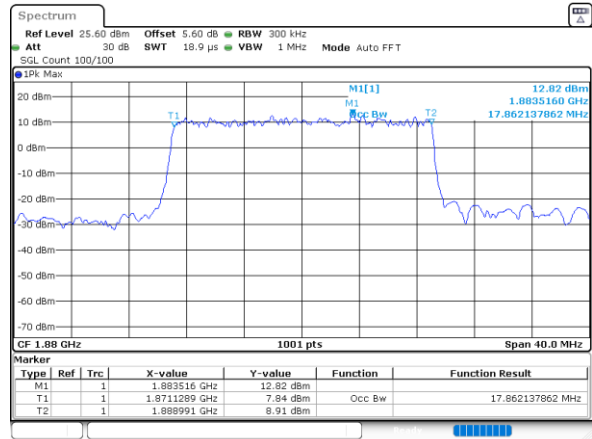
LTE Band 2

Middle Channel / 20MHz / QPSK



Date: 28.MAR.2025 15:06:54

Middle Channel / 20MHz / 16QAM



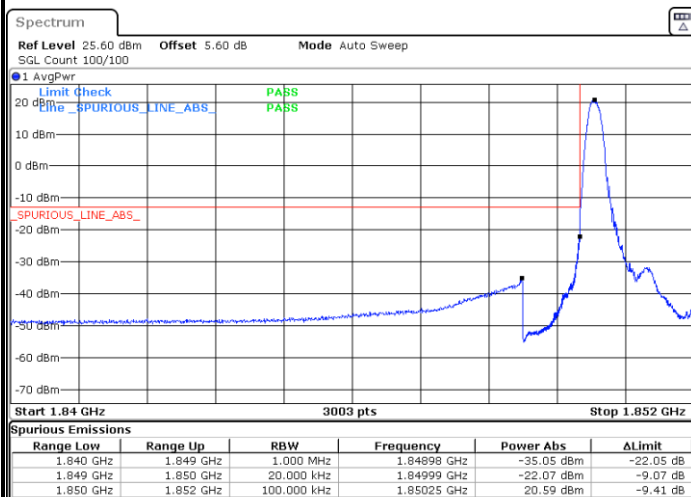
Date: 28.MAR.2025 15:07:58



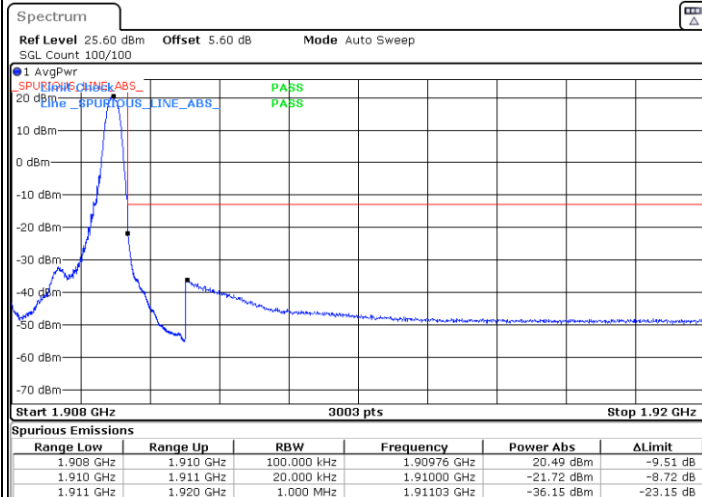
Conducted Band Edge

LTE Band 2 / 1.4MHz / QPSK

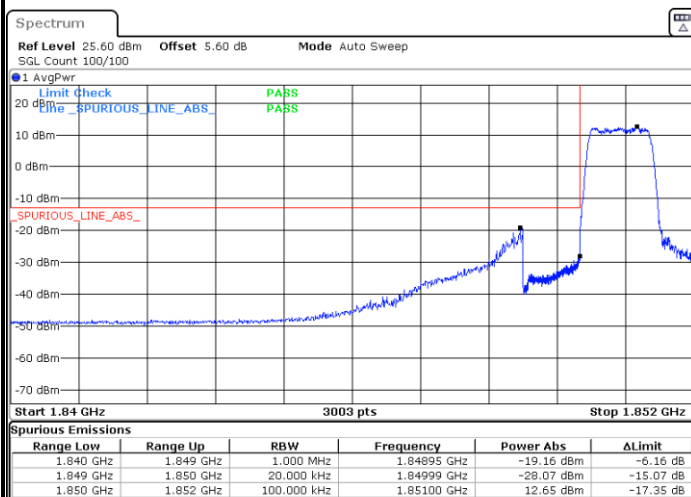
Lowest Band Edge / 1RB



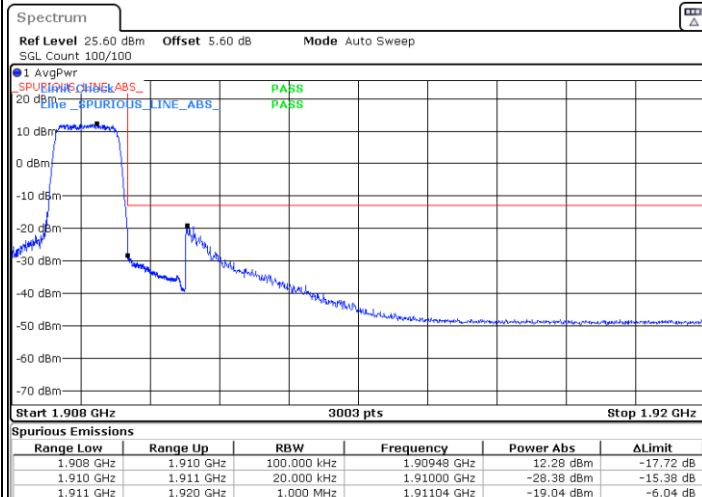
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



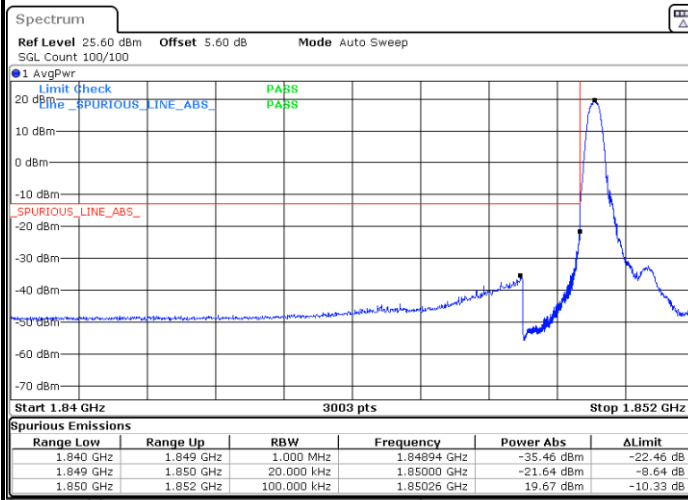
Highest Band Edge / Full RB



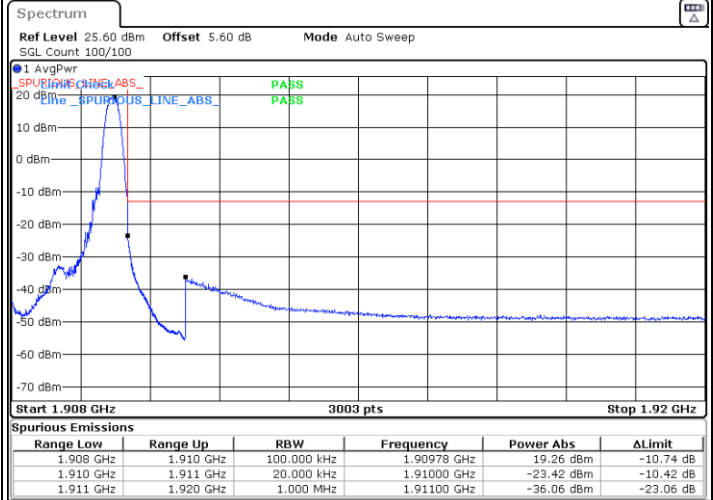


LTE Band 2 / 1.4MHz / 16QAM

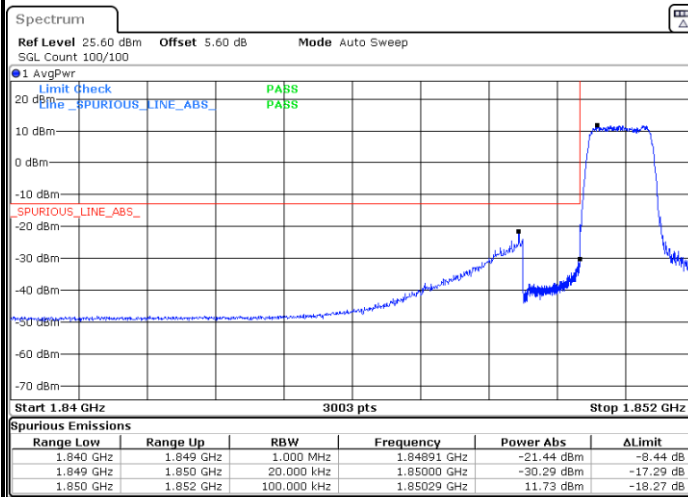
Lowest Band Edge / 1 RB



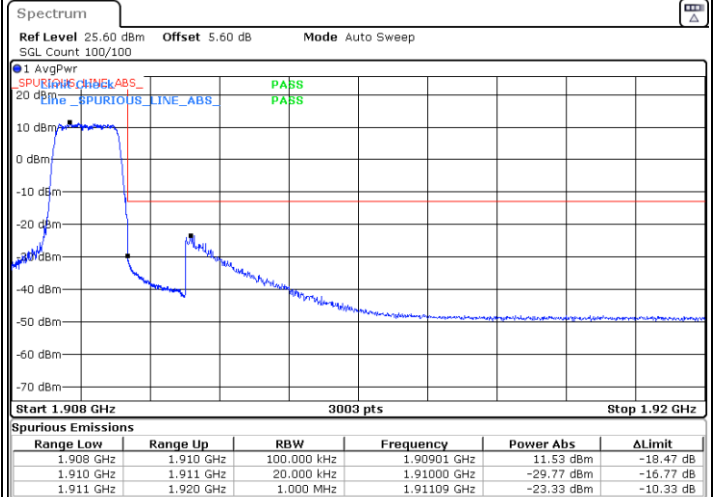
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



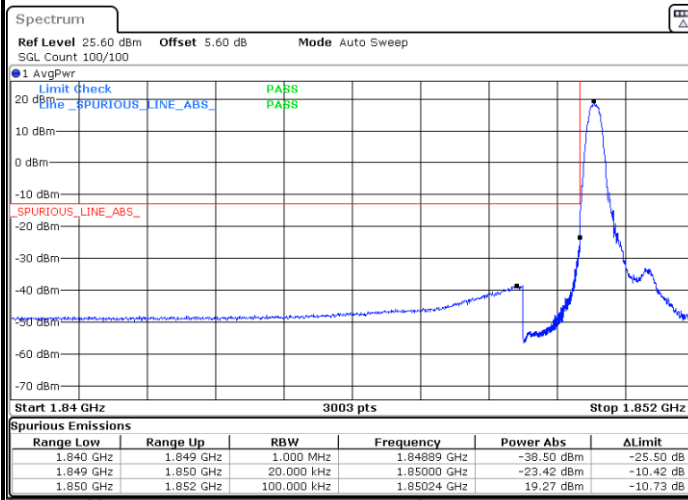
Highest Band Edge / Full RB



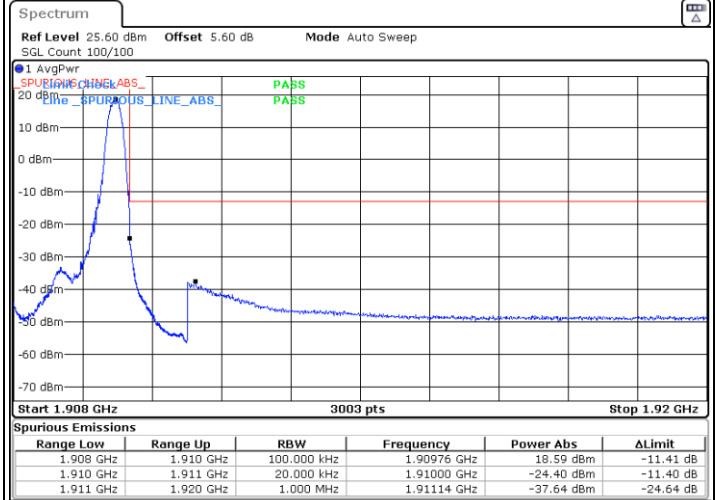


LTE Band 2 / 1.4MHz / 64QAM

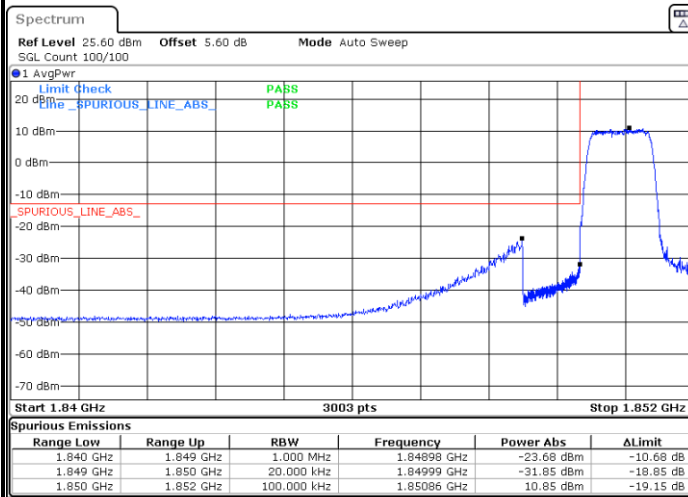
Lowest Band Edge / 1 RB



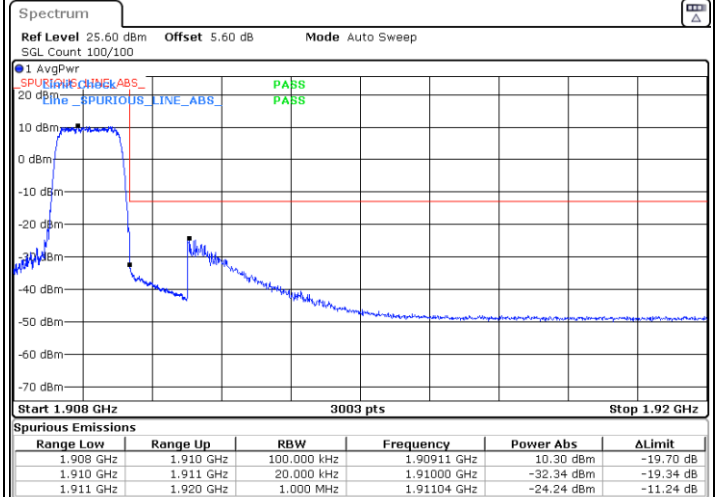
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



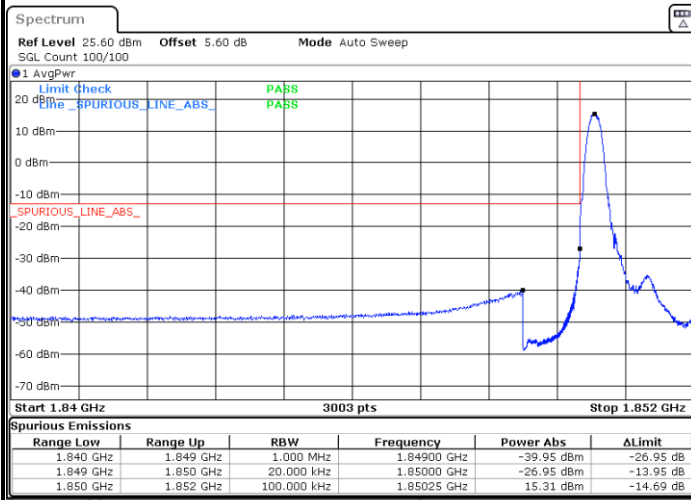
Highest Band Edge / Full RB



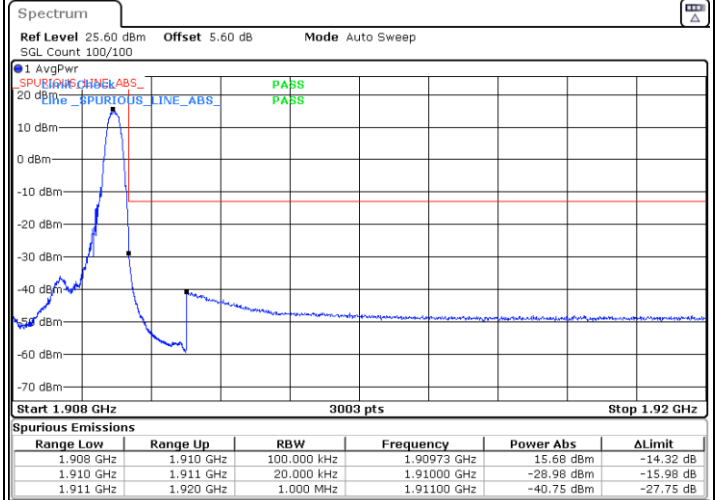


LTE Band 2 / 1.4MHz /256QAM

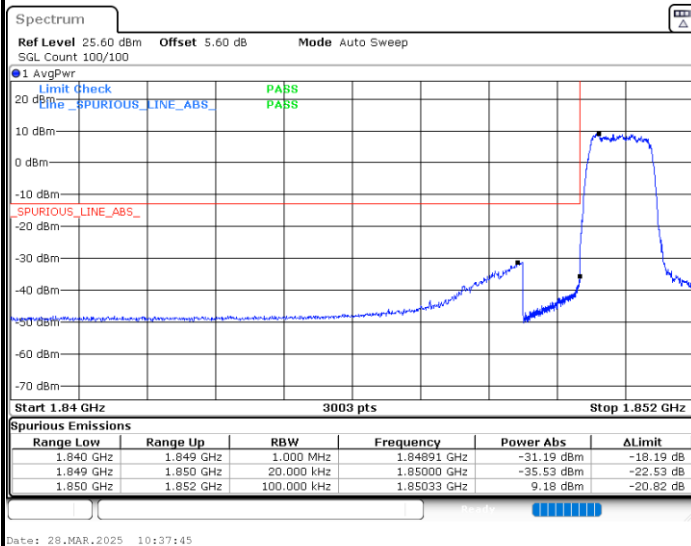
Lowest Band Edge / 1 RB



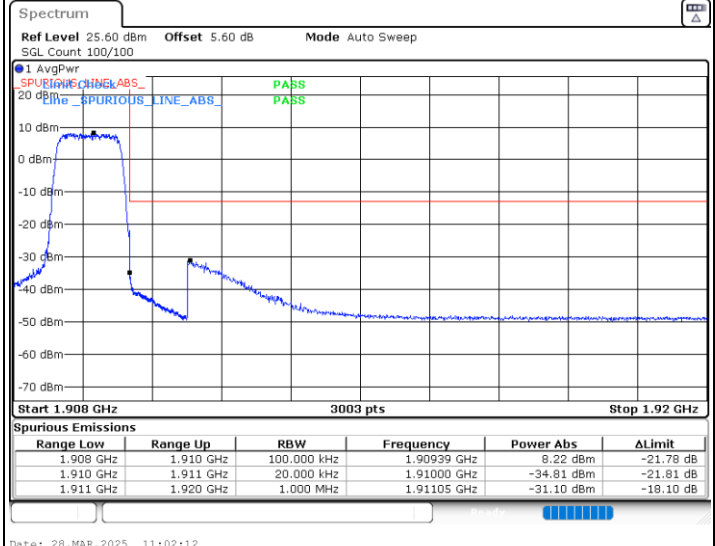
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



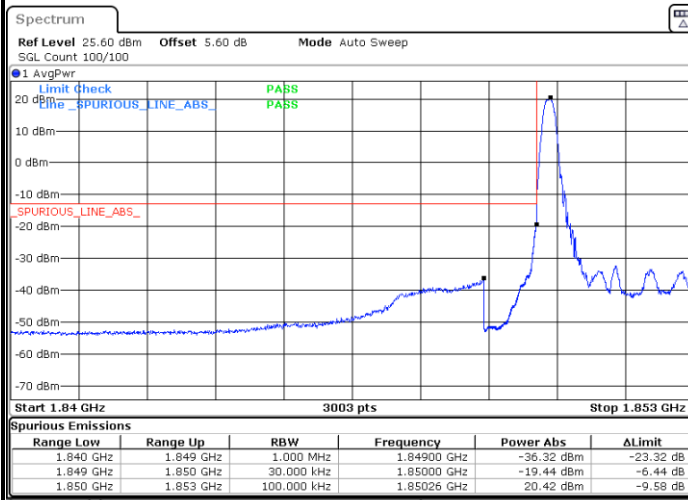
Highest Band Edge / Full RB



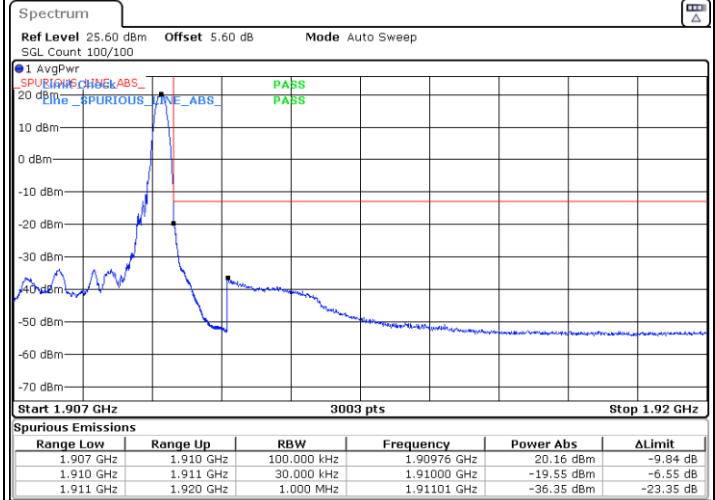


LTE Band 2 / 3MHz / QPSK

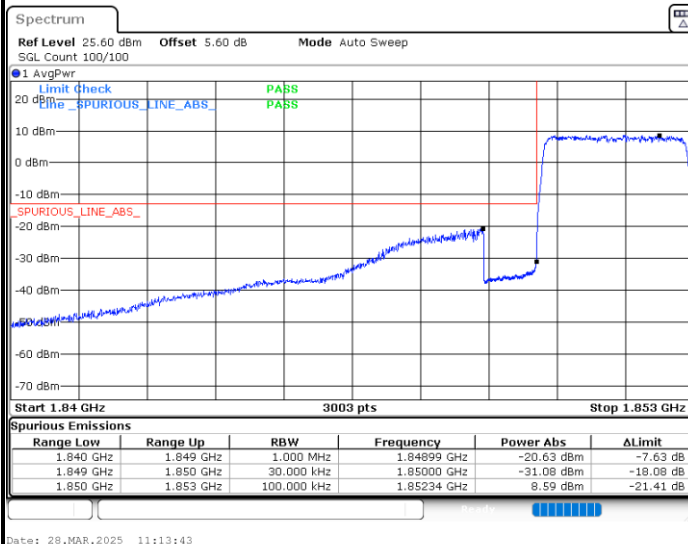
Lowest Band Edge / 1RB



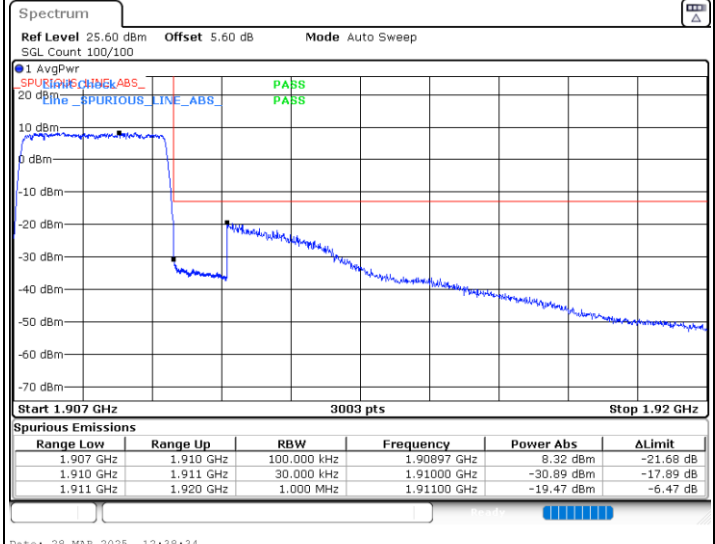
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



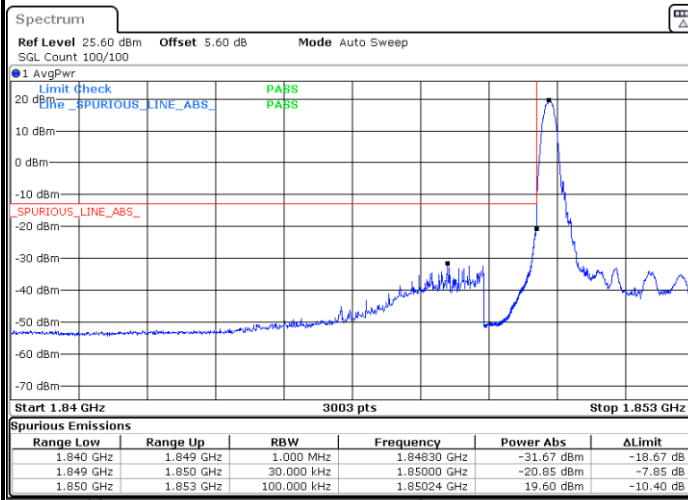
Highest Band Edge / Full RB



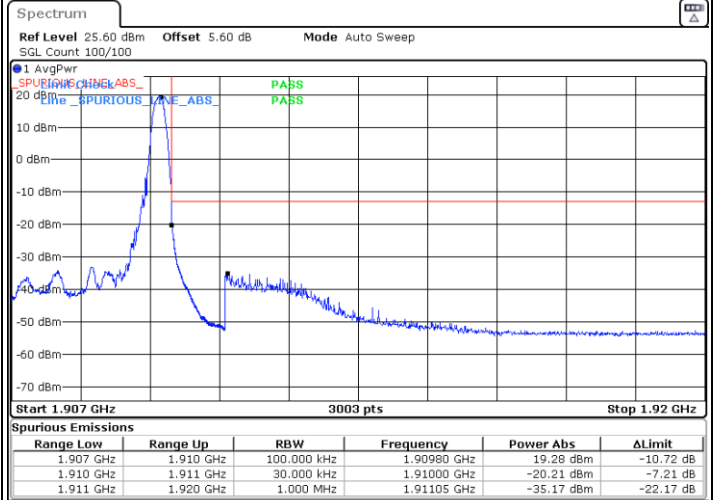


LTE Band 2 / 3MHz / 16QAM

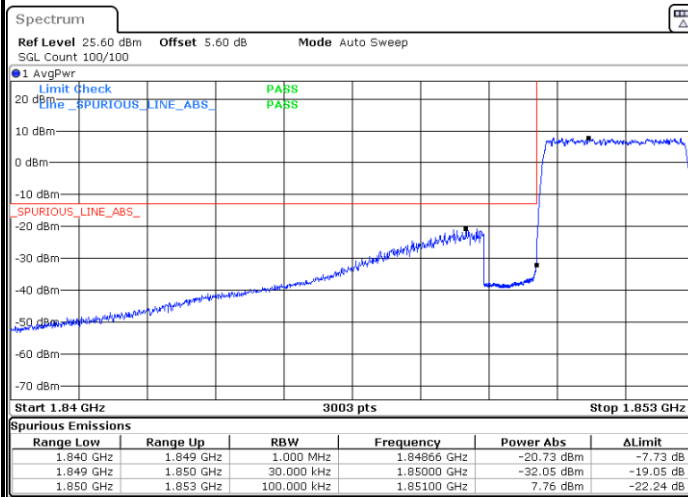
Lowest Band Edge / 1 RB



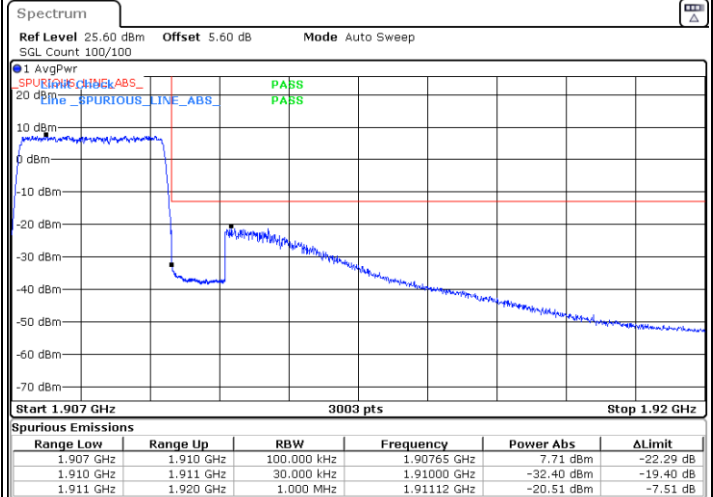
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



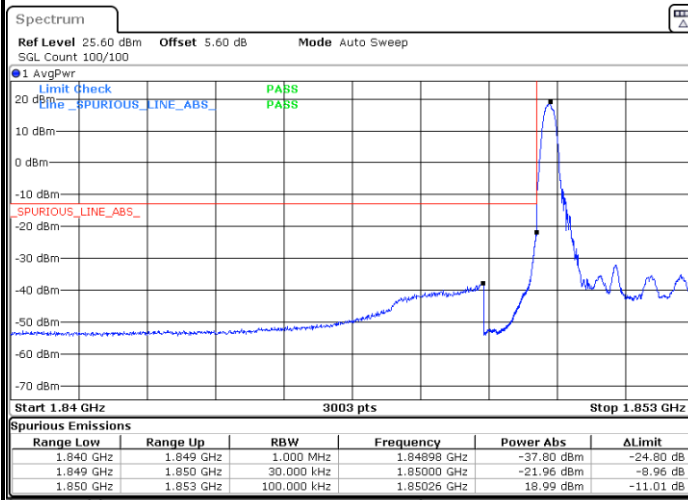
Highest Band Edge / Full RB



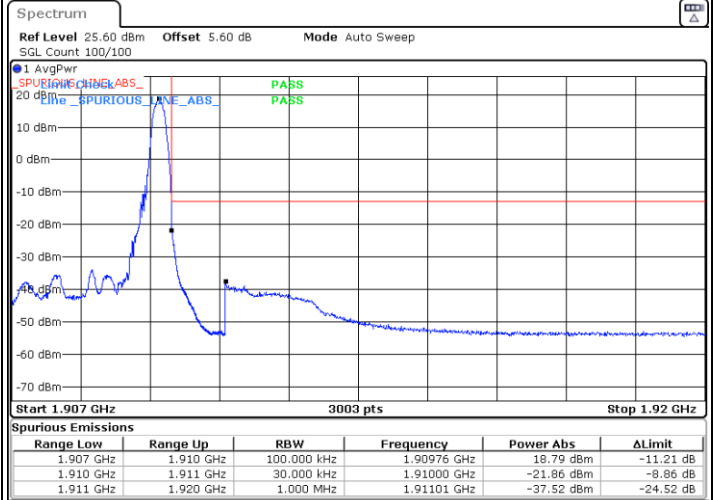


LTE Band 2 / 3MHz / 64QAM

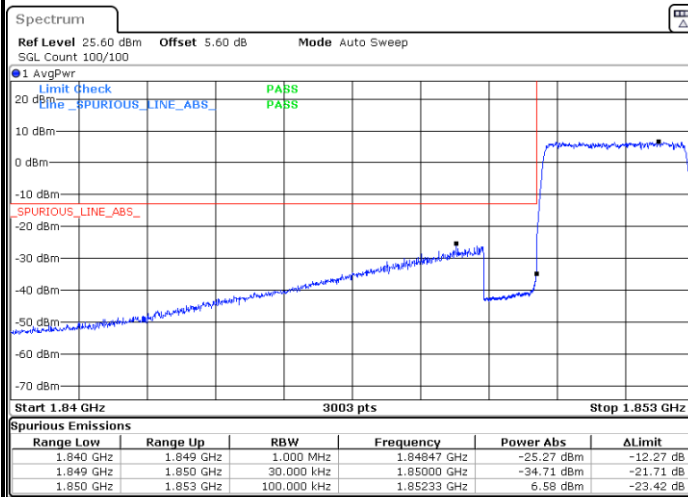
Lowest Band Edge / 1 RB



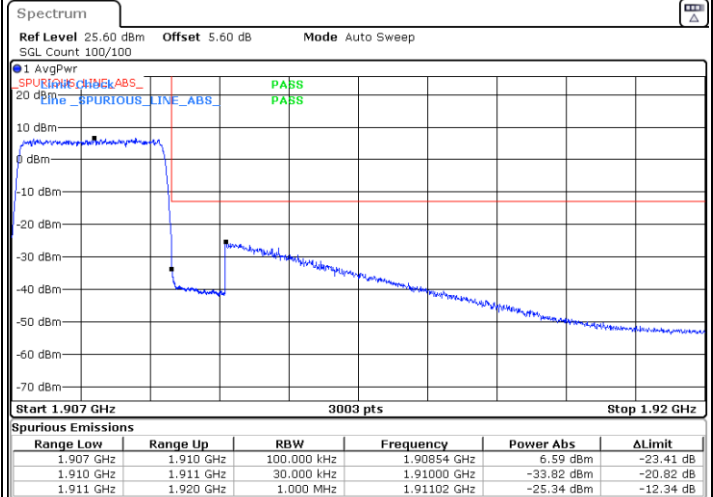
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



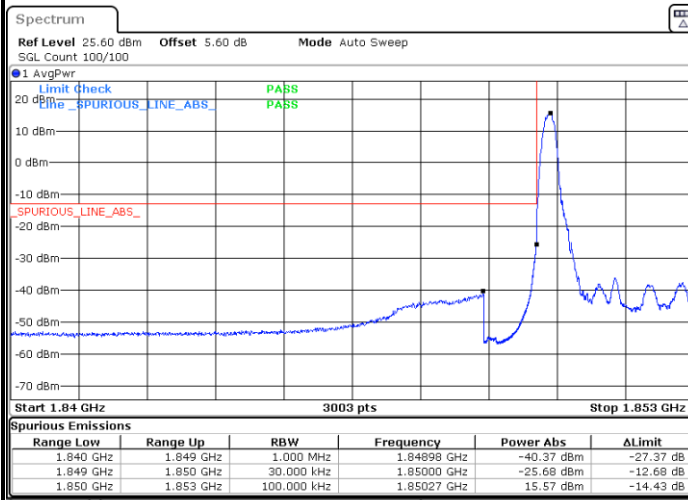
Highest Band Edge / Full RB



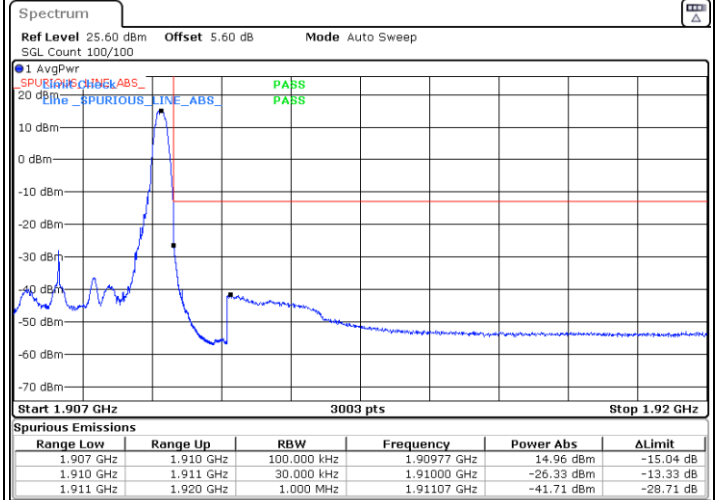


LTE Band 2 / 3MHz / 256QAM

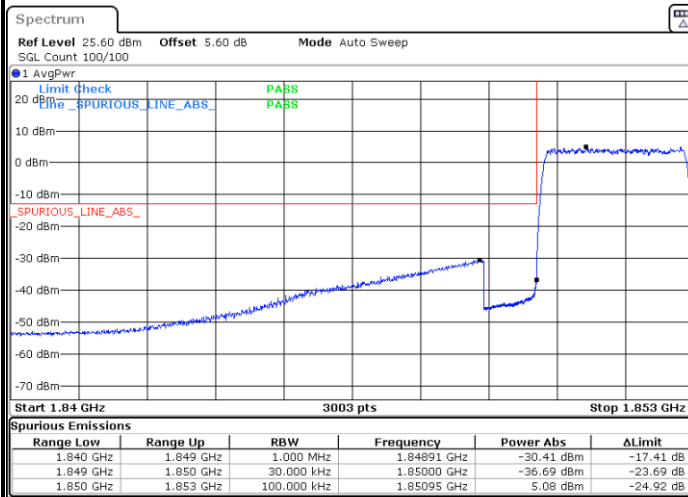
Lowest Band Edge / 1 RB



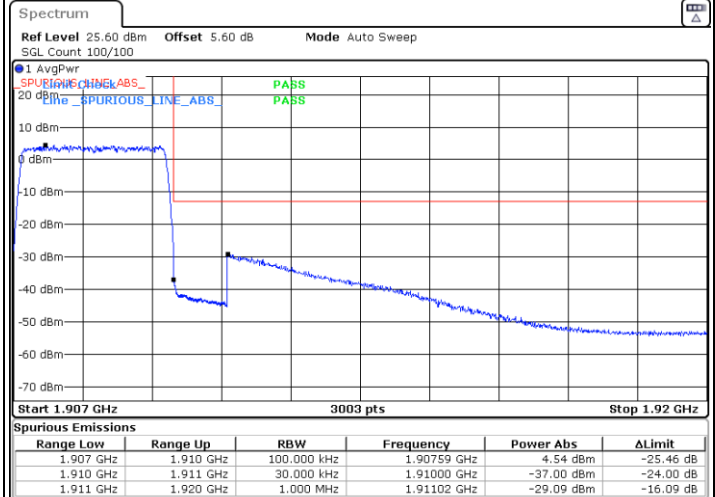
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



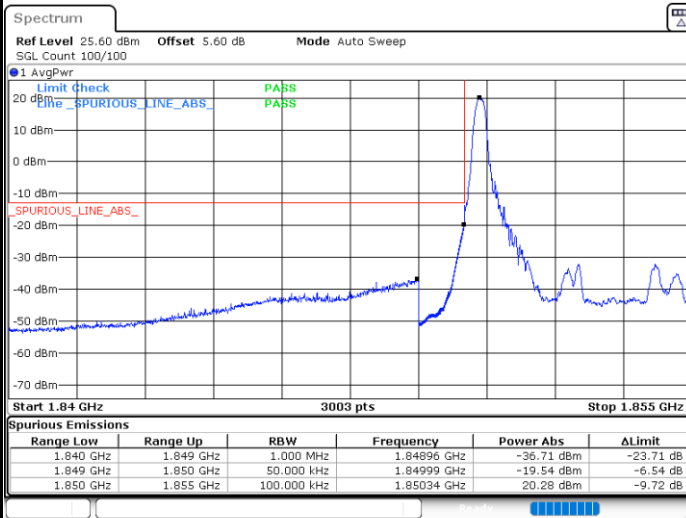
Highest Band Edge / Full RB



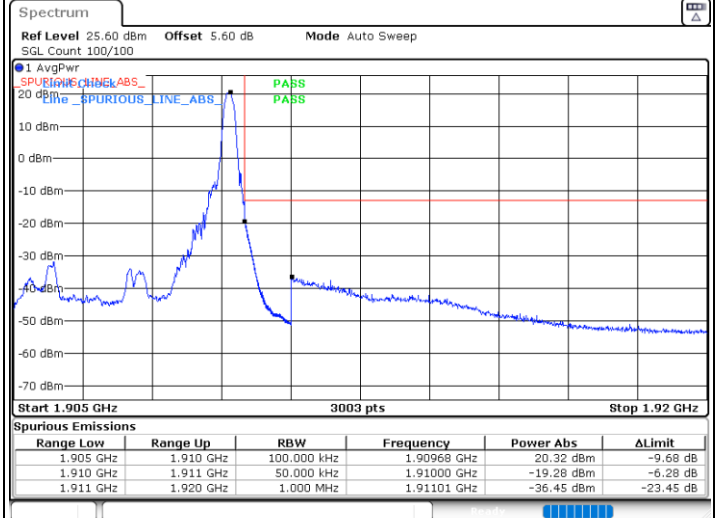


LTE Band 2 / 5MHz / QPSK

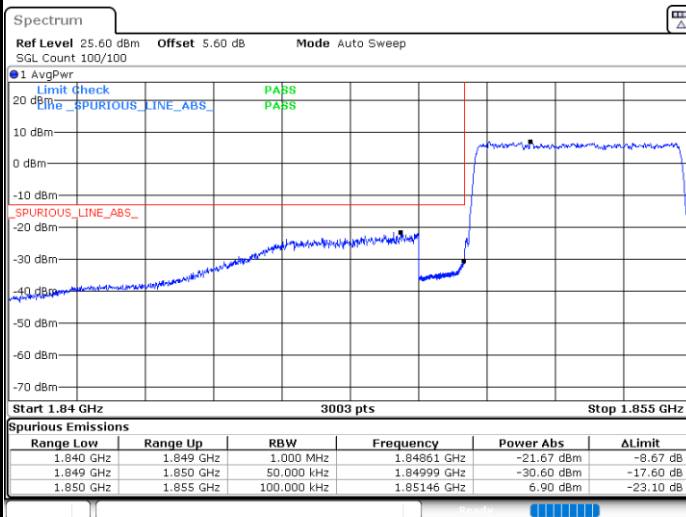
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

