FCC Co-Location Test Report

FCC ID	:	**MXF-WRTD303NME936**
Equipment	:	**LTE Module**
Model No.	:	**ME936**
Brand Name	:	**Gemtek**
Applicant	:	**Gemtek Technology Co., Ltd.**
Address	:	**No.15-1 Zhonghua Road, Hsinchu Industrial Park, Hukou, Hsinchu, Taiwan, 30352**
Standard	:	**47 CFR FCC Part 15.247** **47 CFR FCC Part 15.407** **47 CFR FCC Part 22 Subpart H** **47 CFR FCC Part 24 Subpart E** **47 CFR FCC Part 27** **47 CFR FCC Part 27 Subpart L** **47 CFR FCC Part 27 Subpart M**
Received Date	:	**Nov. 12, 2014**
Tested Date	:	**Dec. 03 ~ Dec. 22, 2014**

We, International Certification Corp., would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. The test results contained in this report refer exclusively to the product. It may be duplicated completely for legal use with the approval of the applicant. It shall not be reproduced except in full without the written approval of our laboratory.

Approved & Reviewed by:

Along Chen

Along Chen / Assistant Manager

Testing Laboratory
2732

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Release Record

Report No.	Version	Description	Issued Date
FG4N1201CO	Rev. 01	Initial issue	Jan. 21, 2015

Summary of Test Results

FCC Rules	Test Items	Measured	Result
15.247(d) 15.407(b) 15.209 2.1053 / 22.917(a) 2.1053 / 24.238(a) 2.1053 / 27.53(h)	Radiated Emissions	[dBuV/m at 3m]: 44.42MHz 37.89 (Margin -2.11dB) – QP	Pass

1 General Description

1.1 Information

1.1.1 Specification of the Equipment under Test (EUT)

Operating band (MHz)	**WCDMA V**: 826.4~846.6 **WCDMA II**: 1852.4~1907.6 **WCDMA IV**: 1712.4~1752.6 **LTE Band 5**: Channel Bandwidth: 3MHz: 825.5~847.5 Channel Bandwidth: 5MHz: 826.5~846.5 Channel Bandwidth: 10MHz: 829~844 **LTE Band 2**: Channel Bandwidth: 1.4MHz: 1850.7~1909.3 Channel Bandwidth: 3MHz: 1851.5~1908.5 Channel Bandwidth: 5MHz: 1852.5~1907.5 Channel Bandwidth: 10MHz: 1855~1905 Channel Bandwidth: 15MHz: 1857.5~1902.5 Channel Bandwidth: 20MHz: 1860~1900 **LTE Band 4**: Channel Bandwidth: 1.4MHz: 1710.7~1754.3 Channel Bandwidth: 3MHz: 1711.5~1753.5 Channel Bandwidth: 5MHz: 1712.5~1752.5 Channel Bandwidth: 10MHz: 1715~1750 Channel Bandwidth: 15MHz: 1717.5~1747.5 Channel Bandwidth: 20MHz: 1720~1745 **LTE Band 7**: Channel Bandwidth: 5MHz: 2502.5~2567.5 Channel Bandwidth: 10MHz: 2505~2565 Channel Bandwidth: 15MHz: 2507.5~2562.5 Channel Bandwidth: 20MHz: 2510~2560 **LTE Band 13** Channel Bandwidth: 5MHz: 779.5 ~ 784.5 Channel Bandwidth: 10MHz: 782 **LTE Band 17** Channel Bandwidth: 5MHz: 706.5 ~ 713.5 Channel Bandwidth: 10MHz: 709 ~ 711
Modulation	WCDMA / HSDPA / HSUPA Uplink: QPSK Downlink: QPSK , 16QAM , 64QAM LTE Uplink: QPSK, 16QAM Downlink: QPSK , 16QAM , 64QAM
3GPP Release Version	WCDMA: R7 LTE: 9
H/W Version	V03
S/W Version	1.1.0

Note: The module is certified as limited module that is limited to specific host (refer to section 1.1.3).

1.1.2 Antenna Details of the Equipment under Test (EUT)

Ant. No.	Type	Connector	Operating Frequencies (MHz) / Antenna Gain (dBi)					
			824~849	1850~1910	1710~1755	2500~2570	777~787	704~716
1	PIFA	UFL	1.3	1.6	1.4	3	1.4	1.2

1.1.3 Specific platform Information

The module will be installed in below certified wireless device

Brand Name	Model Name	Product Name	FCC IC
Gemtek	WRTD-303N	Easy Connect	MXF-WRTD303N

RF General Information					
Frequency Range (MHz)	IEEE Std. 802.11	Ch. Freq. (MHz)	Channel Number	Transmit Chains (N_{TX})	Data Rate / MCS
2400-2483.5	b	2412-2462	1-11 [11]	2	1-11 Mbps
2400-2483.5	g	2412-2462	1-11 [11]	2	6-54 Mbps
2400-2483.5	n (HT20)	2412-2462	1-11 [11]	2	MCS 0-15
2400-2483.5	n (HT40)	2422-2452	3-9 [7]	2	MCS 0-15
Note 1: RF output power specifies that Maximum Peak Conducted Output Power. Note 2: 802.11b uses a combination of DSSS-DBPSK, DQPSK, CCK modulation. Note 3: 802.11g/n uses a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.					

RF General Information					
Frequency Range (MHz)	IEEE Std. 802.11	Ch. Freq. (MHz)	Channel Number	Transmit Chains (N_{TX})	Data Rate / MCS
5150-5250	a	5180-5240	36-48 [4]	2	6-54 Mbps
5150-5250	n (HT20)	5180-5240	36-48 [4]	2	MCS 0-15
5150-5250	n (HT40)	5190-5230	38-46 [2]	2	MCS 0-15
5150-5250	ac (VHT20)	5180-5240	36-48 [4]	2	MCS 0-8
5150-5250	ac (VHT40)	5190-5230	38-46 [2]	2	MCS 0-9
5150-5250	ac (VHT80)	5210	42 [1]	2	MCS 0-9
Note 1: RF output power specifies that Maximum Conducted Output Power. Note 2: 802.11a/n/ac uses a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.					

RF General Information					
Frequency Range (MHz)	**IEEE Std. 802.11**	**Ch. Freq. (MHz)**	**Channel Number**	**Transmit Chains (N_{TX})**	**Data Rate / MCS**
5725-5850	a	5745-5825	149-165 [5]	2	6-54 Mbps
5725-5850	n (HT20)	5745-5825	149-165 [5]	2	MCS 0-15
5725-5850	n (HT40)	5755-5795	151-159 [2]	2	MCS 0-15
5725-5850	ac (VHT20)	5745-5825	149-165 [5]	2	MCS 0-8
5725-5850	ac (VHT40)	5755-5795	151-159 [2]	2	MCS 0-9
5725-5850	ac (VHT80)	5775	155 [1]	2	MCS 0-9
Note 1: RF output power specifies that Maximum Conducted Output Power. Note 2: 802.11a/n/ac uses a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.					

1.1.4 Antenna Details of Specific platform

Ant. No.	Type	Connector	Operating Frequencies (MHz) / Antenna Gain (dBi)		
			2400~2483.5	**5150~5250**	**5725~5850**
1	PIFA	I-PEX	2.5	3.02	3.03

1.1.5 Accessories of Specific platform

Accessories		
No.	**Equipment**	**Description**
1	AC Adapter 1	Brand Name: AOEM Model Name: ADS0248-W 120200 Power Rating: I/P: 100-240Vac, 50-60Hz, 0.6A O/P: 12Vdc, 2A Power Line: 120cm non-shielded cable with one core
2	AC Adapter 2	Brand Name: APD Model Name: WA-24Q12FU Power Rating: I/P: 100-240Vac, 50-60Hz, 0.6A O/P: 12Vdc, 2A Power Line: 1.8m non-shielded cable with one core
3	AC Adapter 3	Brand Name: MOSO Model Name: MSP-C2000IC12.0-24W-US Power Rating: I/P: 100-240Vac, 50-60Hz, 0.8A O/P: 12Vdc, 2A Power Line: 1.4m non-shielded cable with one core
4	WTE Battery	Model: 303N Rating: 7.4Vdc, 4050mAh (29.97Wh)
5	MAXELL Battery	button cell battery Model: ML2032 Rating: 3Vdc
6	built-in HDD	Brand: TOSHIBA Model: MQ01ABF050 Capacity: 500GB

1.2 The Equipment List

Test Item	Radiated Emission				
Test Site	966 chamber1 / (03CH01-WS)				
Instrument	**Manufacturer**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Spectrum Analyzer	R&S	FSV40	101499	Feb. 08, 2014	Feb. 07, 2015
Receiver	R&S	ESR3	101658	Nov. 10, 2014	Nov. 09, 2015
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-522	Sep. 05, 2014	Sep. 04, 2015
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1095	Oct. 14, 2014	Oct. 13, 2015
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Nov. 10, 2014	Nov. 09, 2015
Loop Antenna	R&S	HFH2-Z2	100330	Nov. 10, 2014	Nov. 09, 2015
Preamplifier	Burgeon	BPA-530	SN:100219	Sep. 09, 2014	Sep. 08, 2015
Preamplifier	Agilent	83017A	MY39501308	Oct. 09, 2014	Oct. 08, 2015
Preamplifier	EMC	EMC184045B	980192	Aug. 26, 2014	Aug. 25, 2015
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY22620/4	Feb. 19, 2014	Feb. 18, 2015
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY22601/4	Feb. 19, 2014	Feb. 18, 2015
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY22624/4	Feb. 19, 2014	Feb. 18, 2015
LF cable 3M	EMC	EMC8D-NM-NM-3000	131103	Feb. 17, 2014	Feb. 16, 2015
LF cable 10M	EMC	EMC8D-NM-NM-13000	131104	Feb. 17, 2014	Feb. 16, 2015
Measurement Software	AUDIX	e3	6.120210g	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

1.3 Test Standards

According to the specification of EUT, the EUT must comply with following standards and KDB documents.

47 CFR FCC Part 15.247
47 CFR FCC Part 15.407
47 CFR FCC Part 22 / 24 / 27
FCC KDB 789033 D02 General UNII Test Procedures New Rules v01
FCC KDB 558074 D01 DTS Meas Guidance v03r02
FCC KDB 971168 D01 Power Meas License Digital Systems v02r02
FCC KDB 412172 D01 Determining ERP and EIRP v01
ANSI C63.4-2003
ANSI C63.10-2009
ANSI / TIA / EIA-603-C -2004

1.4 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)

Measurement Uncertainty	
Parameters	**Uncertainty**
Radiated emission ≤ 1GHz	±3.72 dB
Radiated emission > 1GHz	±5.65 dB

2 Test Configuration

2.1 Testing Condition

Test Item	Test Site	Ambient Condition	Tested By
Radiated Emissions	03CH01-WS	21-22°C / 63-65%	Haru Yang

- FCC site registration No.: 657002
- IC site registration No.: 10807A-1

2.2 The Worst Test Modes and Channel Details

Test item	Modulation Mode	Test Channel	Test Configuration
Radiated Emissions	WCDMA II + 2.4G 11g	CH9400 + CH6	---
	WCDMA II + 5G 11ac VHT40	CH9400 + CH46	---
	WCDMA IV + 2.4G 11g	CH1513 + CH6	---
	WCDMA IV + 5G 11ac VHT40	CH1513 + CH46	---
	WCDMA V + 2.4G 11g	CH4233 + CH6	---
	WCDMA V + 5G 11ac VHT40	CH4233 + CH46	---
	LTE band 2 CB: 20M QPSK + 2.4G 11g	CH18900 + CH6	---
	LTE band 2 CB: 20M QPSK + 5G 11ac VHT40	CH18900 + CH46	---
	LTE band 4 CB: 20M QPSK + 2.4G 11g	CH20300 + CH6	---
	LTE band 4 CB: 20M QPSK + 5G 11ac VHT40	CH20300 + CH46	---
	LTE band 5 CB: 10M QPSK + 2.4G 11g	CH26000 + CH6	---
	LTE band 5 CB: 10M QPSK + 5G 11ac VHT40	CH26000 + CH46	---
	LTE band 7 CB: 20M QPSK + 2.4G 11g	CH21100 + CH6	---
	LTE band 7 CB: 20M QPSK + 5G 11ac VHT40	CH21100 + CH46	---
	LTE band 13 CB: 10M QPSK + 2.4G 11g	CH23230 + CH6	---
	LTE band 13 CB: 10M QPSK + 5G 11ac VHT40	CH23230 + CH46	---
	LTE band 17 CB: 10M QPSK + 5G 11ac VHT40	CH23800 + CH6	---
	LTE band 17 CB: 10M QPSK + 5G 11ac VHT40	CH23800 + CH46	---

Note:

1) The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The **X-plane** results were found as the worst case and were shown in this report.
2) Adapter 1, Adapter 2 and Adapter 3 had been pretested and found that **Adapter 1** was the worst case and was selected for final testing (Adapter 1: AOEM adapter; Adapter 2: APD adapter; Adapter 3: MOSO adapter).
3) The selected channel is the maximum power channel of each Wi-Fi and WWAN module.

3 Transmitter Test Results

3.1 Unwanted Emissions into Restricted Frequency Bands

3.1.1 Limit of Unwanted Emissions into Restricted Frequency Bands

Restricted Band Emissions Limit			
Frequency Range (MHz)	**Field Strength (uV/m)**	**Field Strength (dBuV/m)**	**Measure Distance (m)**
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1:
Qusai-Peak value is measured for frequency below 1GHz except for 9–90 kHz, 110–490 kHz frequency band. Peak and average value are measured for frequency above 1GHz. The limit on average radio frequency emission is as above table. The limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit
Note 2:
Measurements may be performed at a distance other than what is specified provided. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor as below, Frequency at or above 30 MHz: 20 dB/decade Frequency below 30 MHz: 40 dB/decade.

3.1.2 Test Procedures

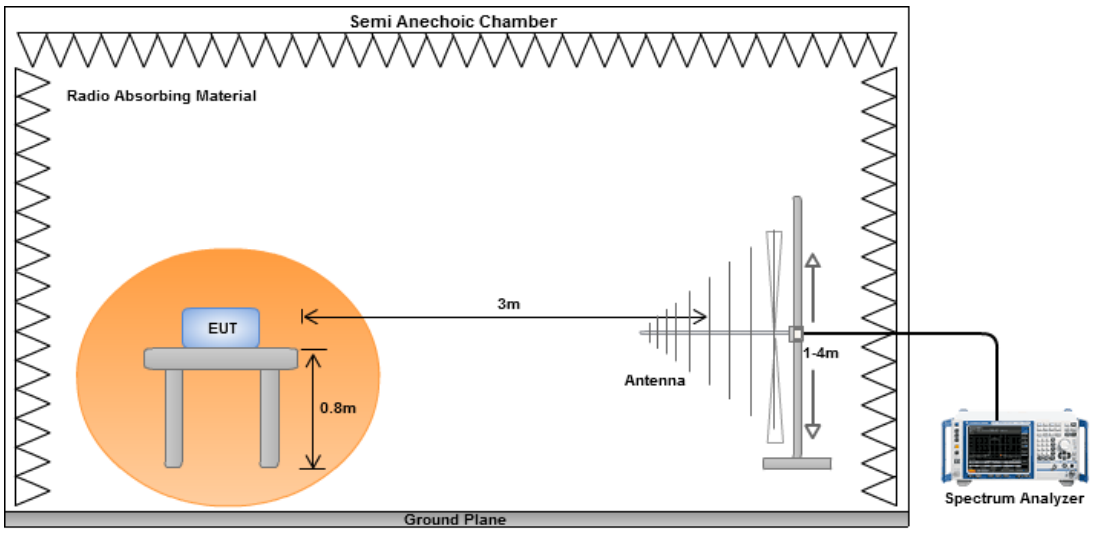
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission frequency. The EUT is placed at a height of 0.8 m test table above the ground plane.
2. Measurement is made with the antenna positioned in both the horizontal and vertical planes of polarization. The measurement antenna is varied in height (1m ~ 4m) above the reference ground plane to obtain the maximum signal strength. Distance between EUT and antenna is 3 m.
3. This investigation is performed with the EUT rotated 360°, the antenna height scanned between 1 m and 4 m, and the antenna rotated to repeat the measurements for both the horizontal and vertical antenna polarizations.

Note:

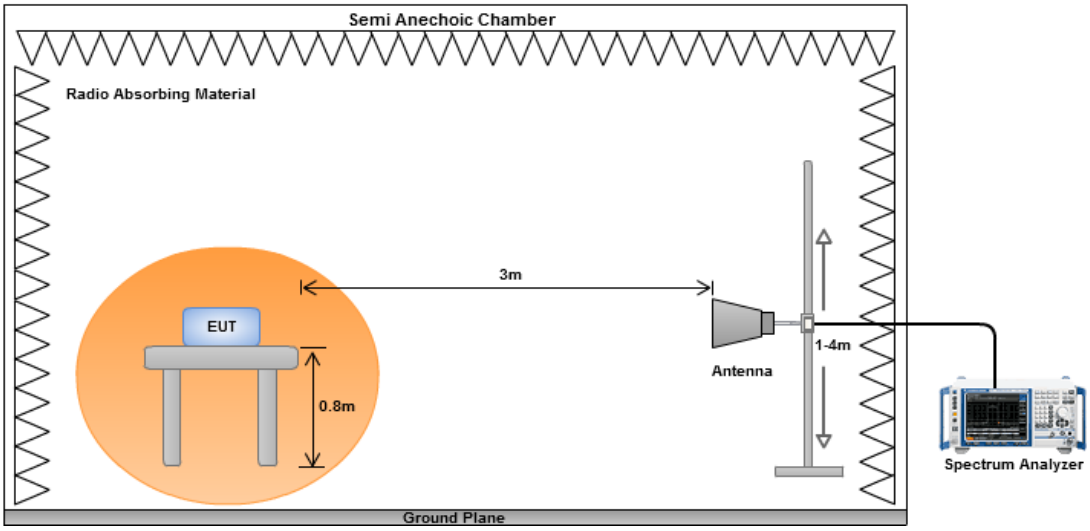
1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above 1GHz.

3.1.3 Test Setup

Radiated Emissions below 1 GHz

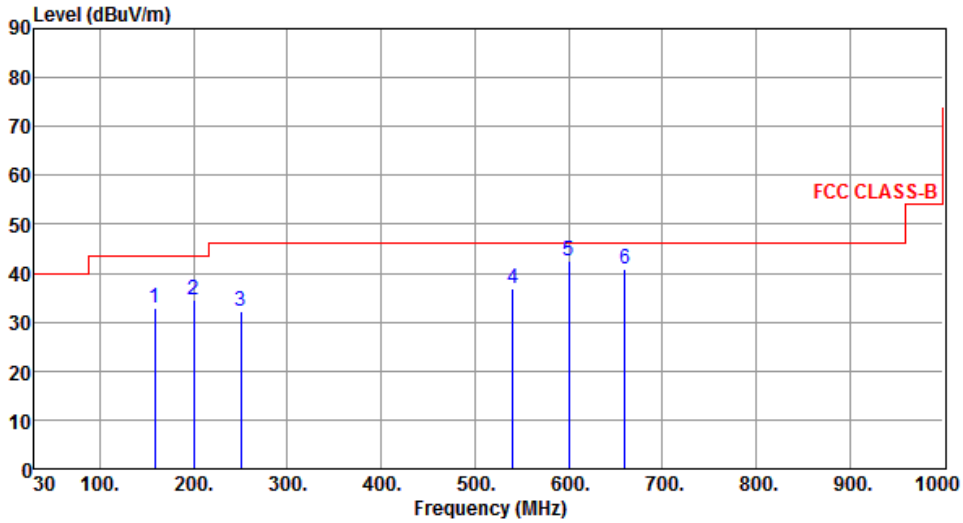


Radiated Emissions above 1 GHz



3.1.4 Transmitter Radiated Unwanted Emissions (Below 1GHz)

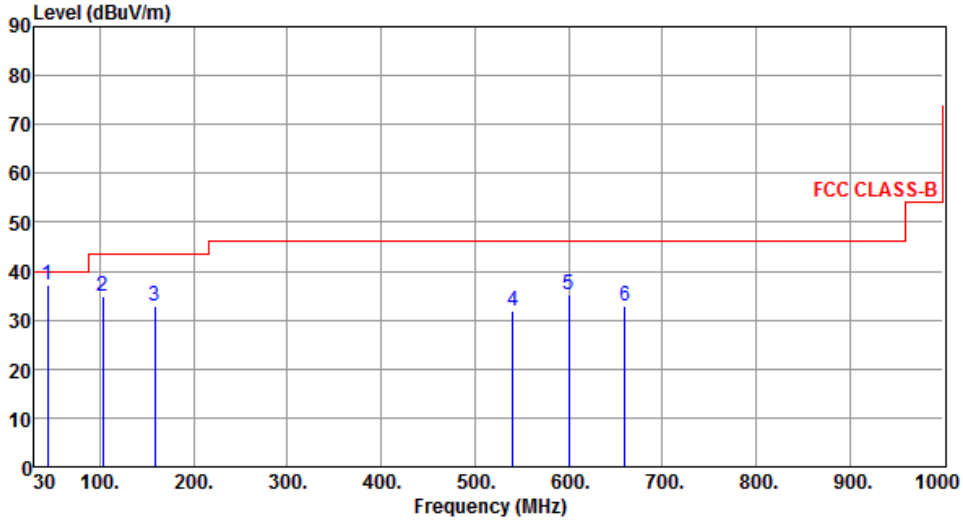
Modulation	WCDMA II + 2.4G 11g	**Test Channel**	CH9400 + CH6
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	158.63	32.87	43.50	-10.63	49.58	-16.71	Peak	---	---
2	200.41	34.59	43.50	-8.91	53.67	-19.08	Peak	---	---
3	250.38	32.14	46.00	-13.86	49.78	-17.64	Peak	---	---
4	540.76	36.93	46.00	-9.07	47.54	-10.61	Peak	---	---
5	600.24	42.51	46.00	-3.49	52.07	-9.56	Peak	---	---
6	660.38	40.87	46.00	-5.13	49.54	-8.67	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

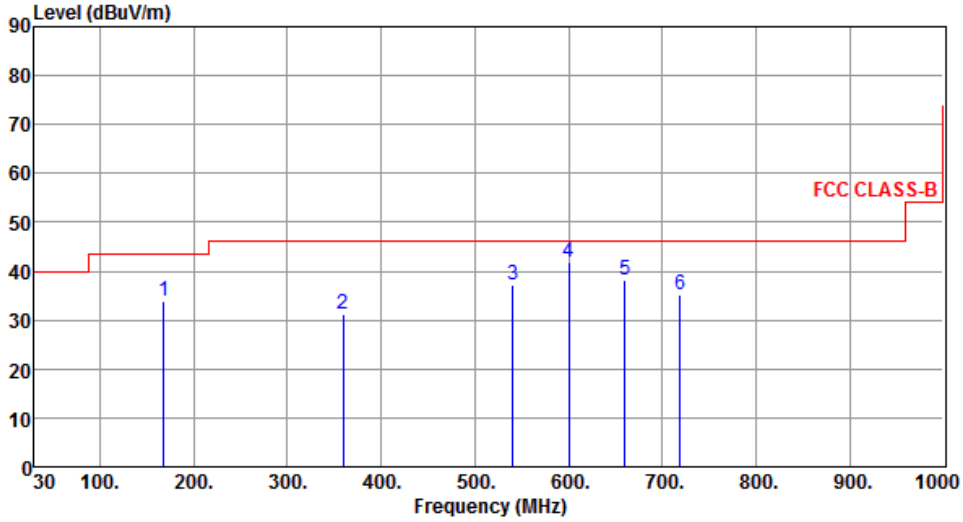
Modulation	WCDMA II + 2.4G 11g	Test Channel	CH9400 + CH6
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	44.27	37.25	40.00	-2.75	53.61	-16.36	QP	---	---
2	102.69	34.81	43.50	-8.69	55.93	-21.12	Peak	---	---
3	158.36	32.79	43.50	-10.71	49.49	-16.70	Peak	---	---
4	540.17	31.95	46.00	-14.05	42.57	-10.62	Peak	---	---
5	600.19	35.18	46.00	-10.82	44.74	-9.56	Peak	---	---
6	660.32	32.87	46.00	-13.13	41.55	-8.68	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

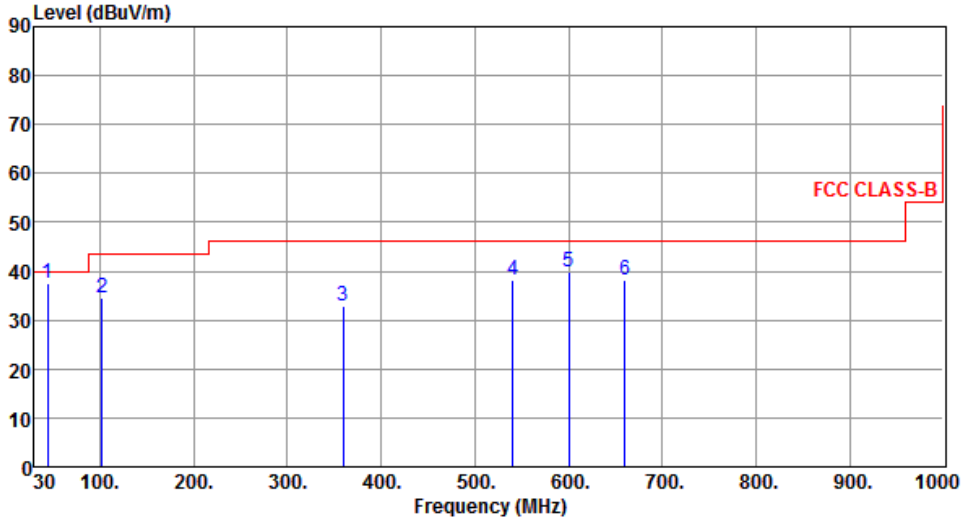
Modulation	WCDMA II + 5G 11ac VHT40	Test Channel	CH9400 + CH46
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	168.23	33.86	43.50	-9.64	50.71	-16.85	Peak	---	---
2	359.76	31.28	46.00	-14.72	45.88	-14.60	Peak	---	---
3	540.93	37.05	46.00	-8.95	47.65	-10.60	Peak	---	---
4	600.23	41.85	46.00	-4.15	51.41	-9.56	Peak	---	---
5	660.18	38.24	46.00	-7.76	46.92	-8.68	Peak	---	---
6	719.43	35.26	46.00	-10.74	42.94	-7.68	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

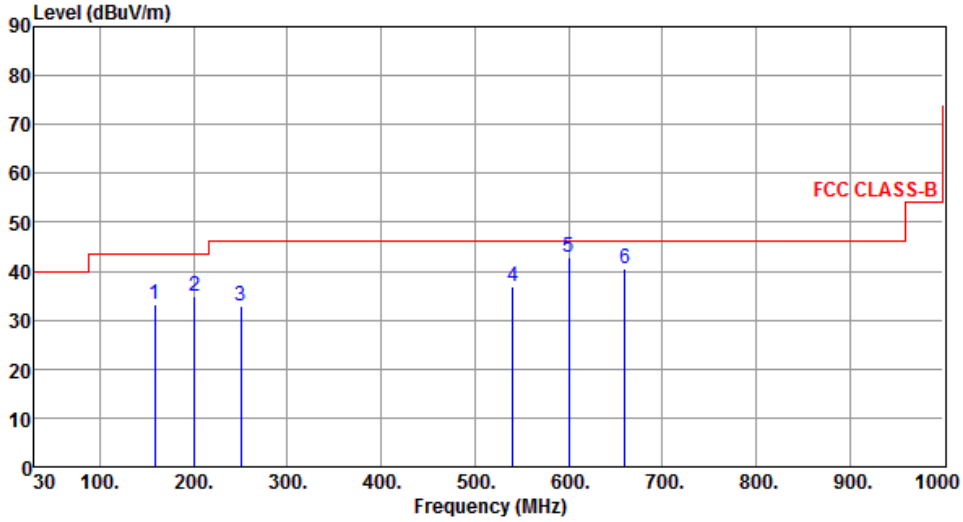
Modulation	WCDMA II + 5G 11ac VHT40	Test Channel	CH9400 + CH46
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	44.28	37.53	40.00	-2.47	53.89	-16.36	QP	---	---
2	102.63	34.55	43.50	-8.95	55.68	-21.13	Peak	---	---
3	359.27	32.98	46.00	-13.02	47.59	-14.61	Peak	---	---
4	540.63	38.26	46.00	-7.74	48.87	-10.61	Peak	---	---
5	600.51	39.74	46.00	-6.26	49.29	-9.55	Peak	---	---
6	660.42	38.13	46.00	-7.87	46.80	-8.67	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

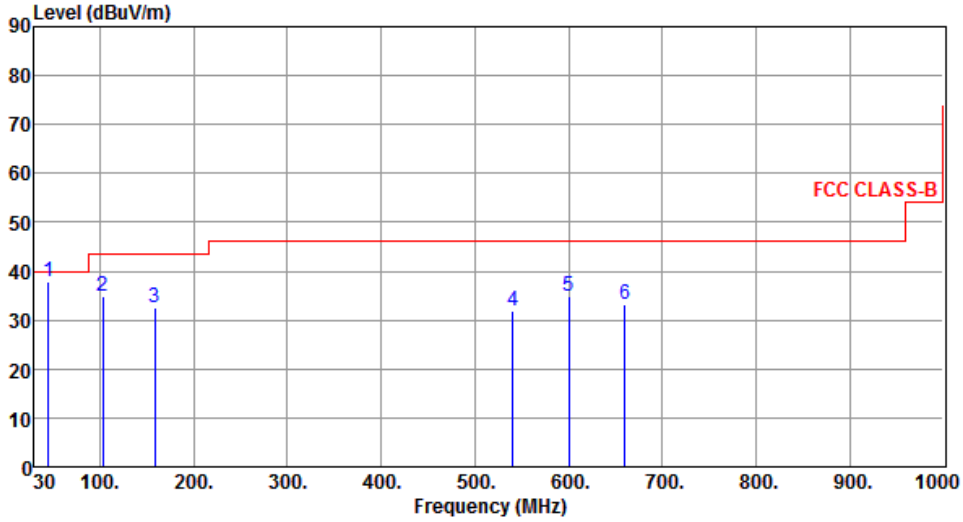
Modulation	WCDMA IV + 2.4G 11g	Test Channel	CH1513 + CH6
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	158.32	33.14	43.50	-10.36	49.84	-16.70	Peak	---	---
2	200.63	34.93	43.50	-8.57	54.00	-19.07	Peak	---	---
3	250.76	32.89	46.00	-13.11	50.52	-17.63	Peak	---	---
4	540.45	36.81	46.00	-9.19	47.42	-10.61	Peak	---	---
5	600.72	42.85	46.00	-3.15	52.40	-9.55	Peak	---	---
6	660.51	40.58	46.00	-5.42	49.25	-8.67	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

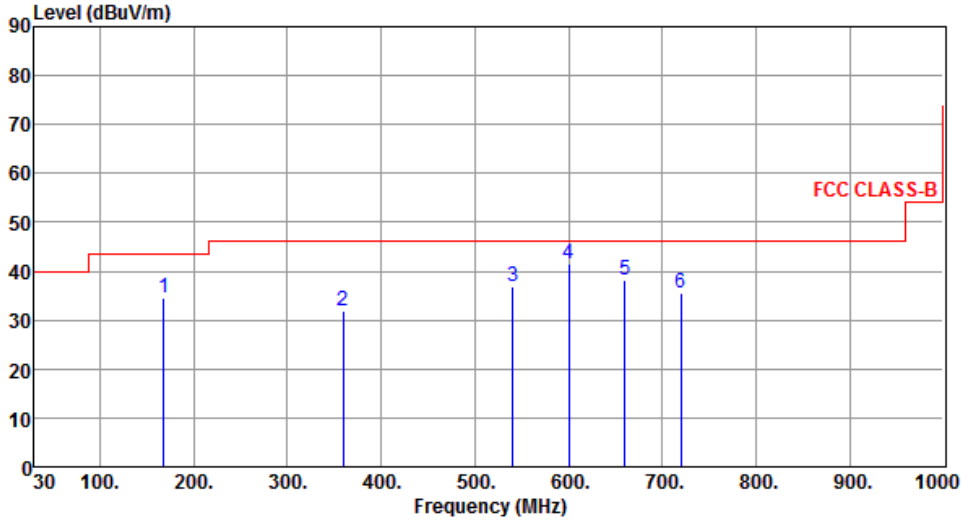
Modulation	WCDMA IV + 2.4G 11g	Test Channel	CH1513 + CH6
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	44.86	37.85	40.00	-2.15	54.17	-16.32	QP	---	---
2	102.81	34.95	43.50	-8.55	56.05	-21.10	Peak	---	---
3	158.94	32.45	43.50	-11.05	49.16	-16.71	Peak	---	---
4	540.64	31.87	46.00	-14.13	42.48	-10.61	Peak	---	---
5	600.71	35.03	46.00	-10.97	44.58	-9.55	Peak	---	---
6	660.33	33.36	46.00	-12.64	42.04	-8.68	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

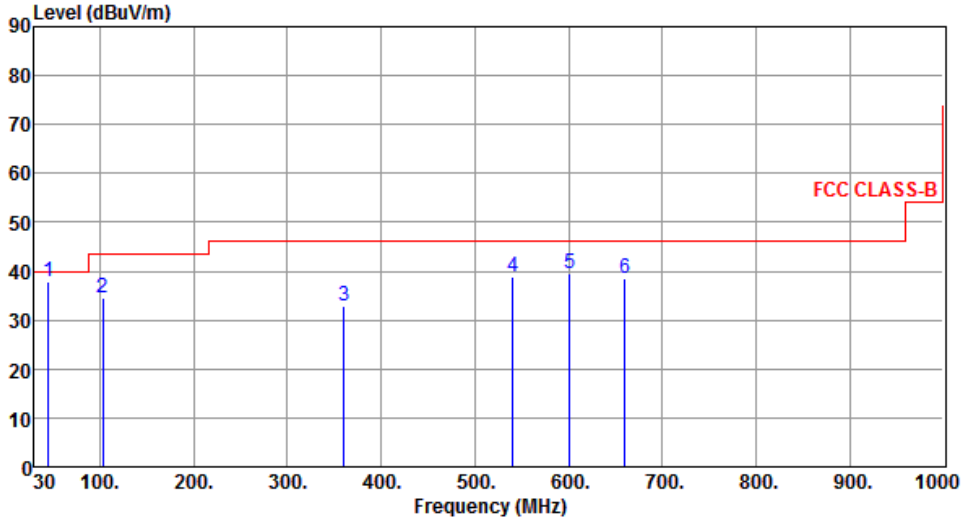
Modulation	WCDMA IV + 5G 11ac VHT40	Test Channel	CH1513 + CH46
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	168.49	34.51	43.50	-8.99	51.37	-16.86	Peak	---	---
2	359.36	31.98	46.00	-14.02	46.59	-14.61	Peak	---	---
3	540.62	36.85	46.00	-9.15	47.46	-10.61	Peak	---	---
4	600.73	41.58	46.00	-4.42	51.13	-9.55	Peak	---	---
5	660.35	38.23	46.00	-7.77	46.91	-8.68	Peak	---	---
6	719.84	35.41	46.00	-10.59	43.08	-7.67	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

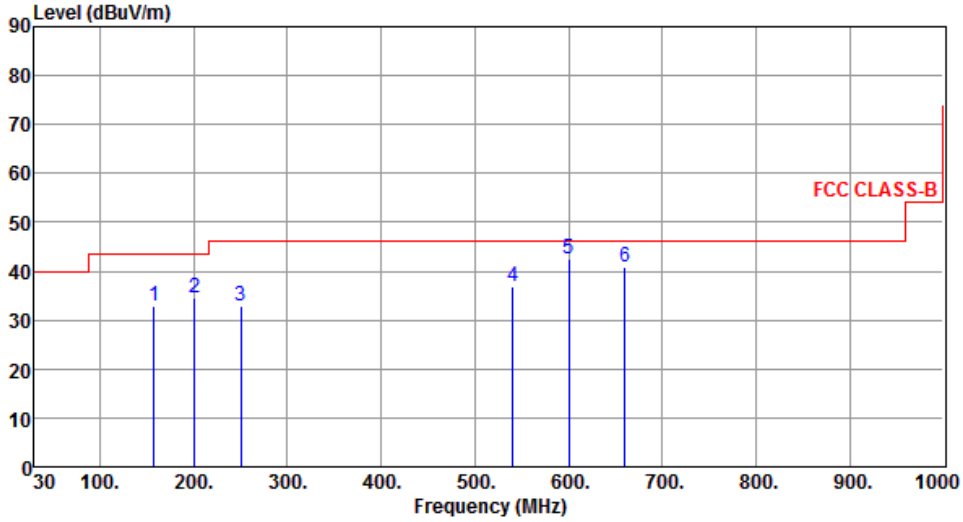
Modulation	WCDMA IV + 5G 11ac VHT40	Test Channel	CH1513 + CH46
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	44.81	37.84	40.00	-2.16	54.16	-16.32	QP	---	---
2	102.78	34.56	43.50	-8.94	55.67	-21.11	Peak	---	---
3	360.02	32.89	46.00	-13.11	47.48	-14.59	Peak	---	---
4	540.71	38.71	46.00	-7.29	49.32	-10.61	Peak	---	---
5	600.93	39.48	46.00	-6.52	49.03	-9.55	Peak	---	---
6	660.26	38.57	46.00	-7.43	47.25	-8.68	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

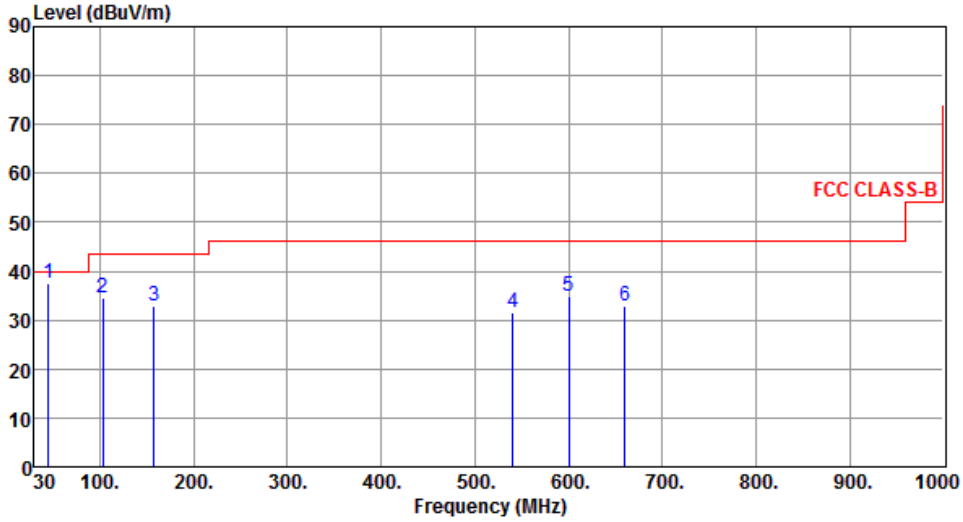
Modulation	WCDMA V + 2.4G 11g	Test Channel	CH4233 + CH6
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	158.04	32.90	43.50	-10.60	49.60	-16.70	Peak	---	---
2	200.72	34.62	43.50	-8.88	53.69	-19.07	Peak	---	---
3	250.19	32.79	46.00	-13.21	50.43	-17.64	Peak	---	---
4	540.22	36.74	46.00	-9.26	47.36	-10.62	Peak	---	---
5	600.36	42.37	46.00	-3.63	51.93	-9.56	Peak	---	---
6	660.50	40.96	46.00	-5.04	49.63	-8.67	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

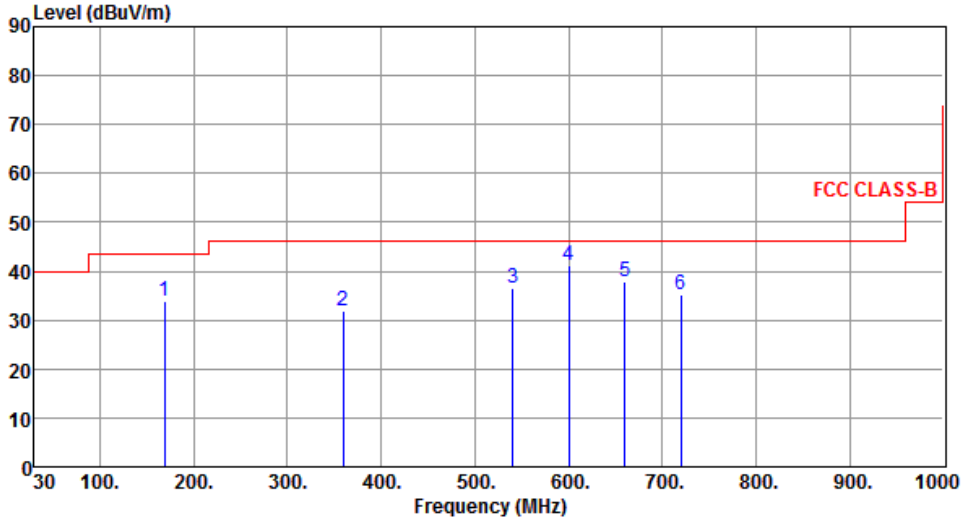
Modulation	WCDMA V + 2.4G 11g	Test Channel	CH4233 + CH6
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	44.66	37.46	40.00	-2.54	53.79	-16.33	QP	---	---
2	102.75	34.53	43.50	-8.97	55.64	-21.11	Peak	---	---
3	158.04	32.80	43.50	-10.70	49.50	-16.70	Peak	---	---
4	540.22	31.47	46.00	-14.53	42.09	-10.62	Peak	---	---
5	600.36	34.95	46.00	-11.05	44.51	-9.56	Peak	---	---
6	660.50	32.72	46.00	-13.28	41.39	-8.67	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

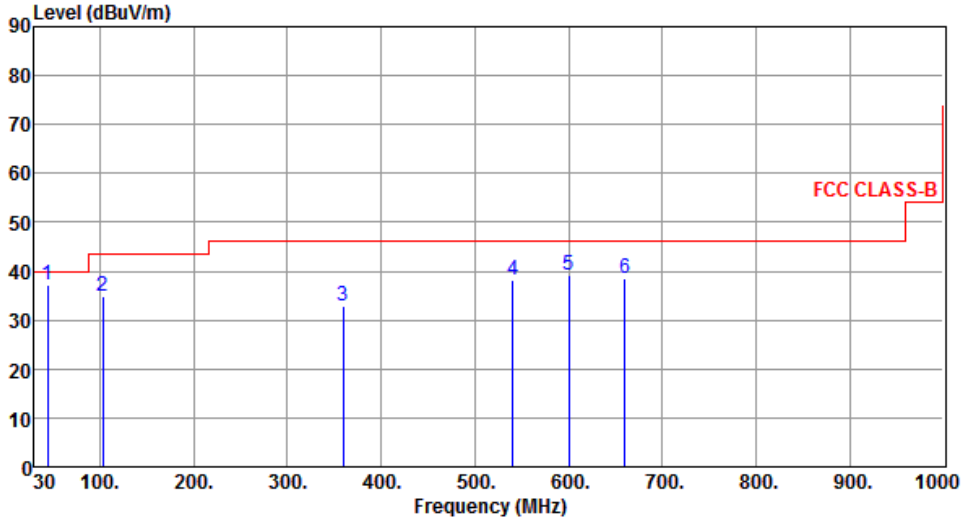
Modulation	WCDMA V + 5G 11ac VHT40	Test Channel	CH4233 + CH46
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	168.71	33.79	43.50	-9.71	50.65	-16.86	Peak	---	---
2	359.80	31.76	46.00	-14.24	46.35	-14.59	Peak	---	---
3	540.22	36.49	46.00	-9.51	47.11	-10.62	Peak	---	---
4	600.36	41.26	46.00	-4.74	50.82	-9.56	Peak	---	---
5	660.50	38.01	46.00	-7.99	46.68	-8.67	Peak	---	---
6	719.67	35.09	46.00	-10.91	42.77	-7.68	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

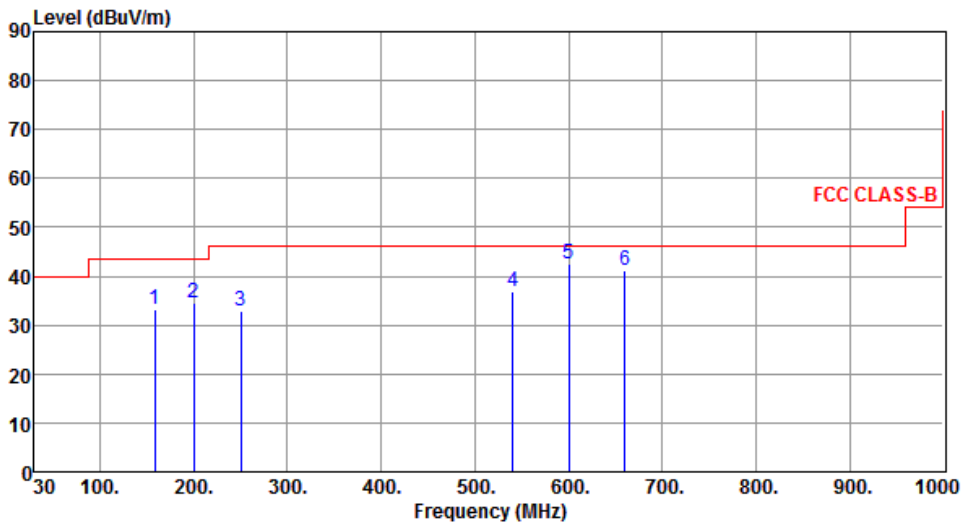
Modulation	WCDMA V + 5G 11ac VHT40	Test Channel	CH4233 + CH46
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	44.51	37.26	40.00	-2.74	53.61	-16.35	QP	---	---
2	102.75	34.82	43.50	-8.68	55.93	-21.11	Peak	---	---
3	359.80	32.77	46.00	-13.23	47.36	-14.59	Peak	---	---
4	540.22	38.05	46.00	-7.95	48.67	-10.62	Peak	---	---
5	600.36	39.30	46.00	-6.70	48.86	-9.56	Peak	---	---
6	660.50	38.37	46.00	-7.63	47.04	-8.67	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

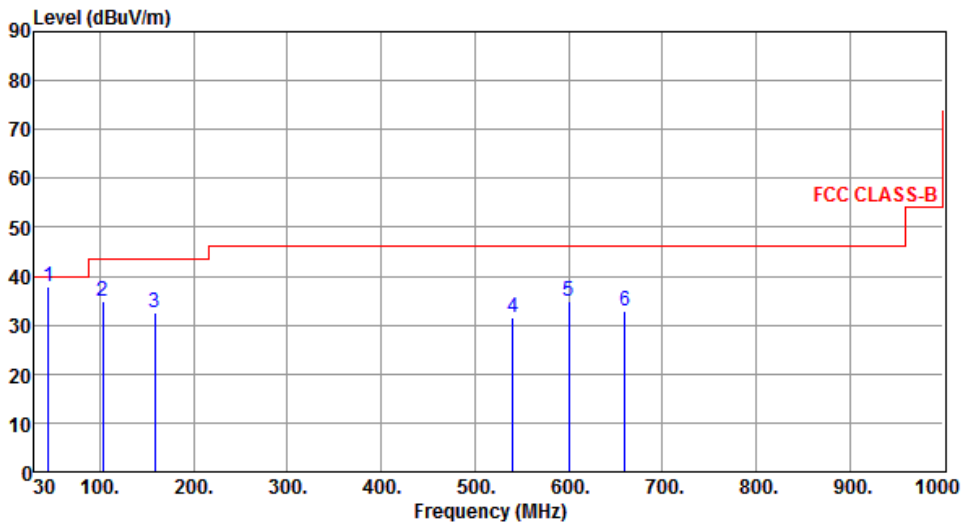
Modulation	LTE band 2 CB: 20M QPSK + 2.4G 11g	Test Channel	CH18900 + CH6
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	158.59	33.16	43.50	-10.34	49.87	-16.71	Peak	---	---
2	200.37	34.51	43.50	-8.99	53.59	-19.08	Peak	---	---
3	250.64	32.85	46.00	-13.15	50.48	-17.63	Peak	---	---
4	540.71	36.89	46.00	-9.11	47.50	-10.61	Peak	---	---
5	600.63	42.59	46.00	-3.41	52.14	-9.55	Peak	---	---
6	660.16	41.22	46.00	-4.78	49.90	-8.68	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

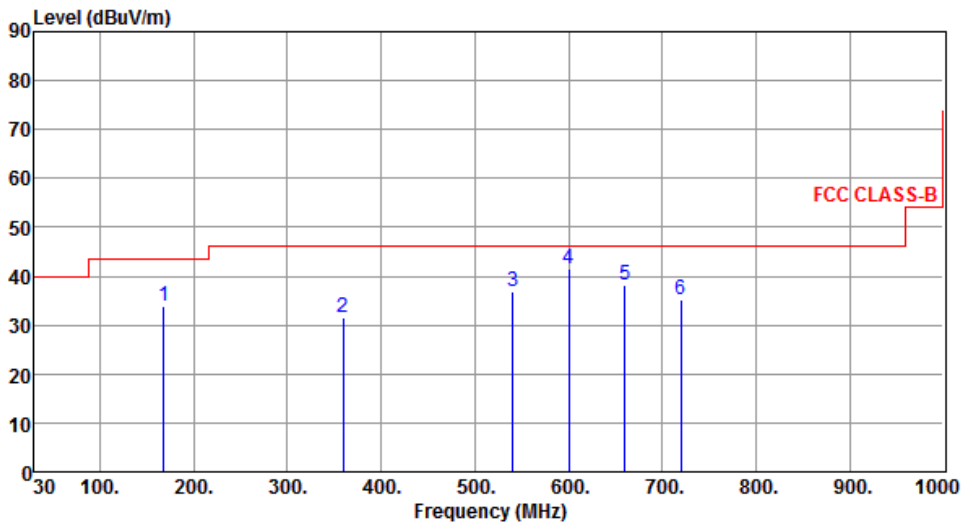
Modulation	LTE band 2 CB: 20M QPSK + 2.4G 11g	Test Channel	CH18900 + CH6
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	44.89	37.85	40.00	-2.15	54.17	-16.32	QP	---	---
2	102.67	34.81	43.50	-8.69	55.94	-21.13	Peak	---	---
3	158.94	32.49	43.50	-11.01	49.20	-16.71	Peak	---	---
4	540.32	31.56	46.00	-14.44	42.17	-10.61	Peak	---	---
5	600.74	35.03	46.00	-10.97	44.58	-9.55	Peak	---	---
6	660.38	32.97	46.00	-13.03	41.64	-8.67	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

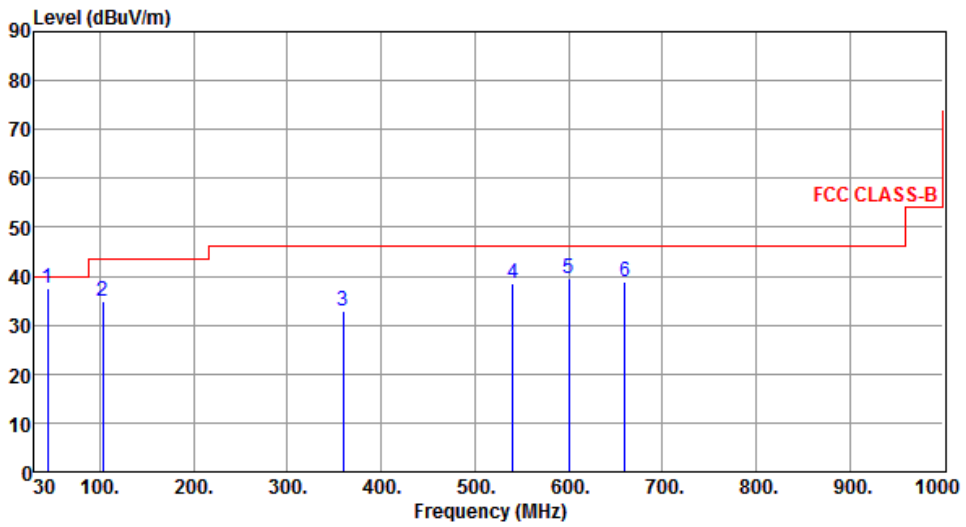
Modulation	LTE band 2 CB: 20M QPSK + 5G 11ac VHT40	Test Channel	CH18900 + CH46
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	168.35	33.86	43.50	-9.64	50.72	-16.86	Peak	---	---
2	359.64	31.43	46.00	-14.57	46.03	-14.60	Peak	---	---
3	540.97	36.81	46.00	-9.19	47.41	-10.60	Peak	---	---
4	600.13	41.67	46.00	-4.33	51.23	-9.56	Peak	---	---
5	660.42	38.25	46.00	-7.75	46.92	-8.67	Peak	---	---
6	719.88	35.23	46.00	-10.77	42.90	-7.67	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

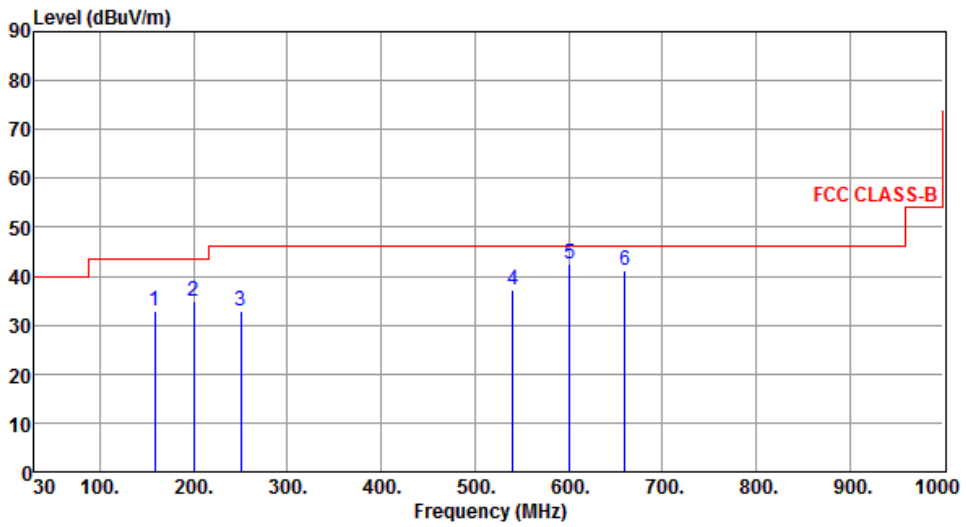
Modulation	LTE band 2 CB: 20M QPSK + 5G 11ac VHT40	Test Channel	CH18900 + CH46
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	44.56	37.63	40.00	-2.37	53.97	-16.34	QP	---	---
2	102.78	35.03	43.50	-8.47	56.14	-21.11	Peak	---	---
3	359.88	32.96	46.00	-13.04	47.55	-14.59	Peak	---	---
4	540.37	38.61	46.00	-7.39	49.22	-10.61	Peak	---	---
5	600.19	39.45	46.00	-6.55	49.01	-9.56	Peak	---	---
6	660.39	38.74	46.00	-7.26	47.41	-8.67	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

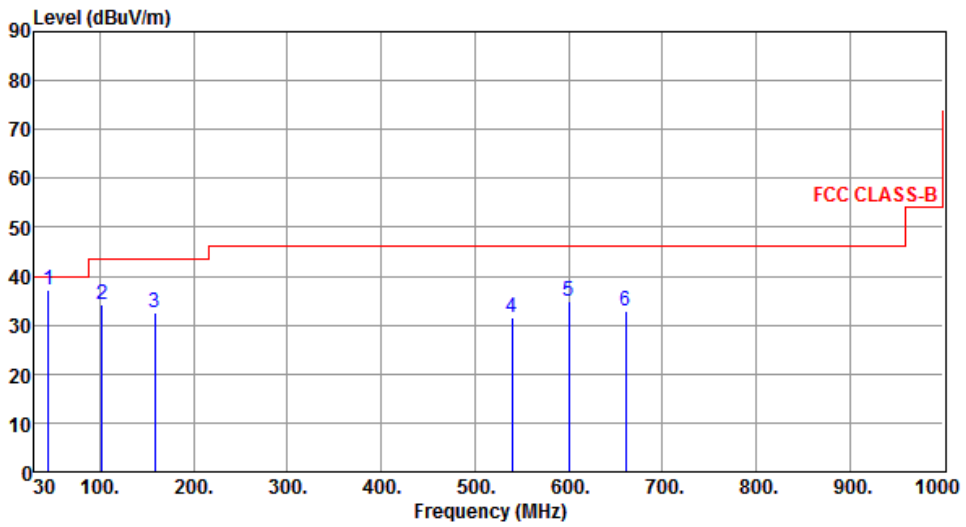
Modulation	LTE band 4 CB: 20M QPSK + 2.4G 11g	Test Channel	CH20300 + CH6
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	158.41	32.74	43.50	-10.76	49.44	-16.70	Peak	---	---
2	200.26	34.85	43.50	-8.65	53.93	-19.08	Peak	---	---
3	250.36	32.97	46.00	-13.03	50.61	-17.64	Peak	---	---
4	540.81	37.26	46.00	-8.74	47.87	-10.61	Peak	---	---
5	600.84	42.52	46.00	-3.48	52.07	-9.55	Peak	---	---
6	660.38	41.34	46.00	-4.66	50.01	-8.67	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

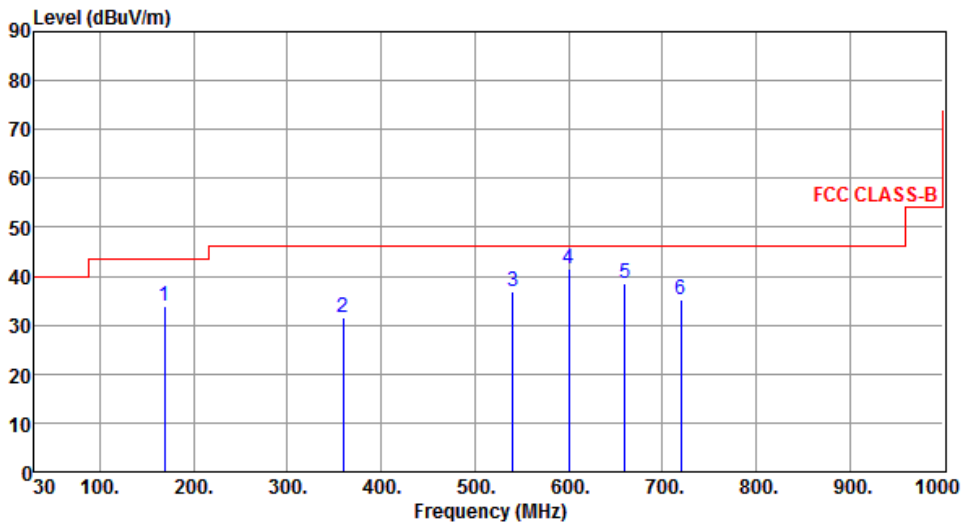
Modulation	LTE band 4 CB: 20M QPSK + 2.4G 11g	Test Channel	CH20300 + CH6
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	44.81	37.23	40.00	-2.77	53.55	-16.32	QP	---	---
2	102.36	34.25	43.50	-9.25	55.43	-21.18	Peak	---	---
3	158.47	32.67	43.50	-10.83	49.37	-16.70	Peak	---	---
4	540.03	31.59	46.00	-14.41	42.21	-10.62	Peak	---	---
5	600.64	34.87	46.00	-11.13	44.42	-9.55	Peak	---	---
6	660.91	32.89	46.00	-13.11	41.56	-8.67	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

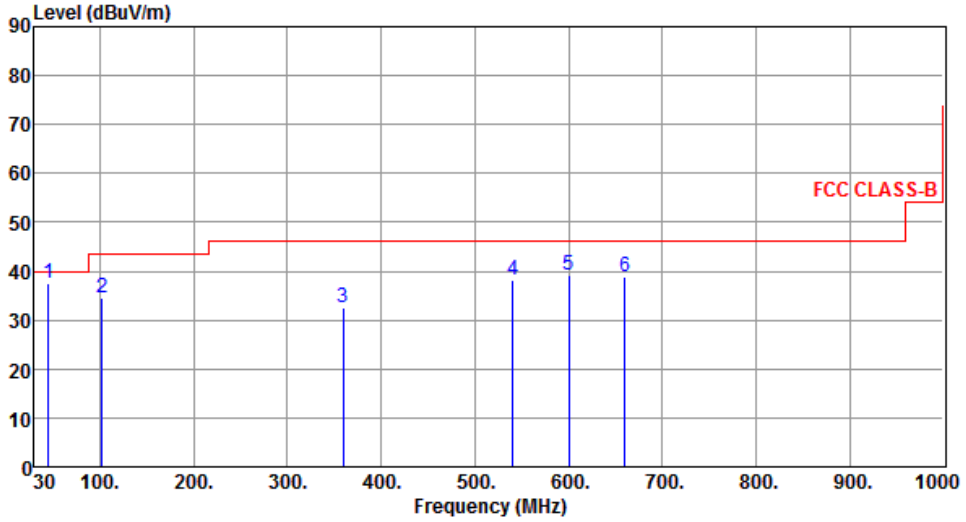
Modulation	LTE band 4 CB: 20M QPSK + 5G 11ac VHT40	Test Channel	CH20300 + CH46
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	168.93	33.85	43.50	-9.65	50.72	-16.87	Peak	---	---
2	359.64	31.49	46.00	-14.51	46.09	-14.60	Peak	---	---
3	540.36	36.91	46.00	-9.09	47.52	-10.61	Peak	---	---
4	600.13	41.52	46.00	-4.48	51.08	-9.56	Peak	---	---
5	660.48	38.62	46.00	-7.38	47.29	-8.67	Peak	---	---
6	719.85	35.18	46.00	-10.82	42.85	-7.67	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

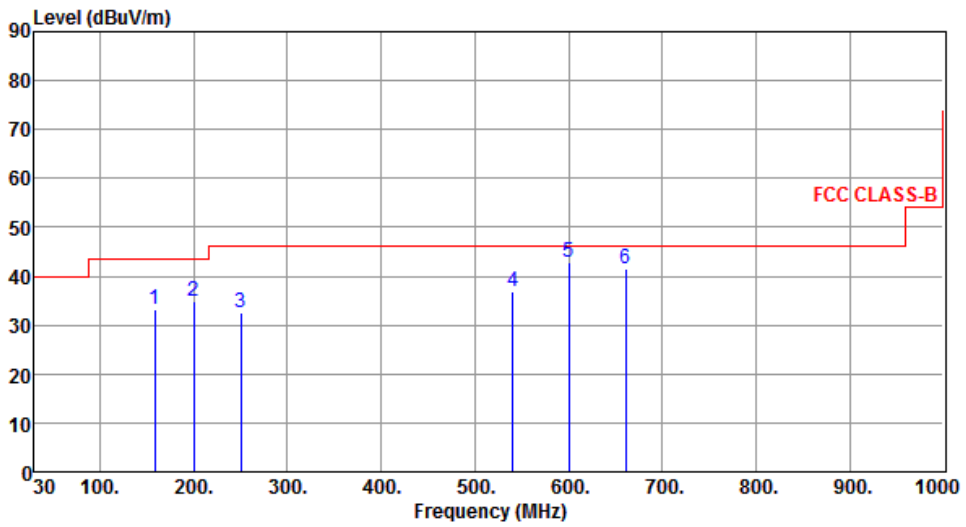
Modulation	LTE band 4 CB: 20M QPSK + 5G 11ac VHT40	Test Channel	CH20300 + CH46
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	44.87	37.59	40.00	-2.41	53.91	-16.32	QP	---	---
2	102.19	34.53	43.50	-8.97	55.74	-21.21	Peak	---	---
3	359.46	32.64	46.00	-13.36	47.24	-14.60	Peak	---	---
4	540.85	38.11	46.00	-7.89	48.71	-10.60	Peak	---	---
5	600.71	39.13	46.00	-6.87	48.68	-9.55	Peak	---	---
6	660.24	38.94	46.00	-7.06	47.62	-8.68	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

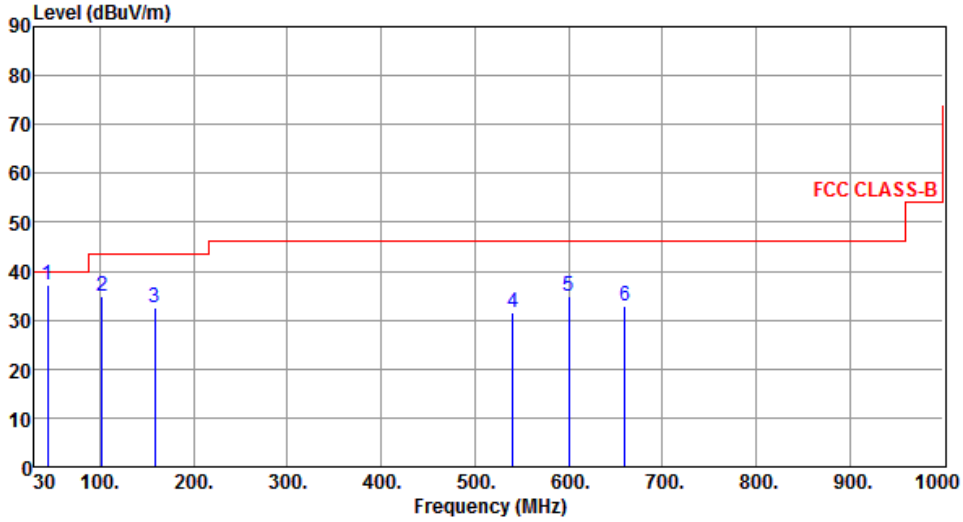
Modulation	LTE band 5 CB: 10M QPSK + 2.4G 11g	Test Channel	CH26000 + CH6
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	158.34	33.31	43.50	-10.19	50.01	-16.70	Peak	---	---
2	200.25	34.98	43.50	-8.52	54.06	-19.08	Peak	---	---
3	250.41	32.47	46.00	-13.53	50.11	-17.64	Peak	---	---
4	540.38	36.96	46.00	-9.04	47.57	-10.61	Peak	---	---
5	600.13	42.71	46.00	-3.29	52.27	-9.56	Peak	---	---
6	660.78	41.35	46.00	-4.65	50.02	-8.67	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

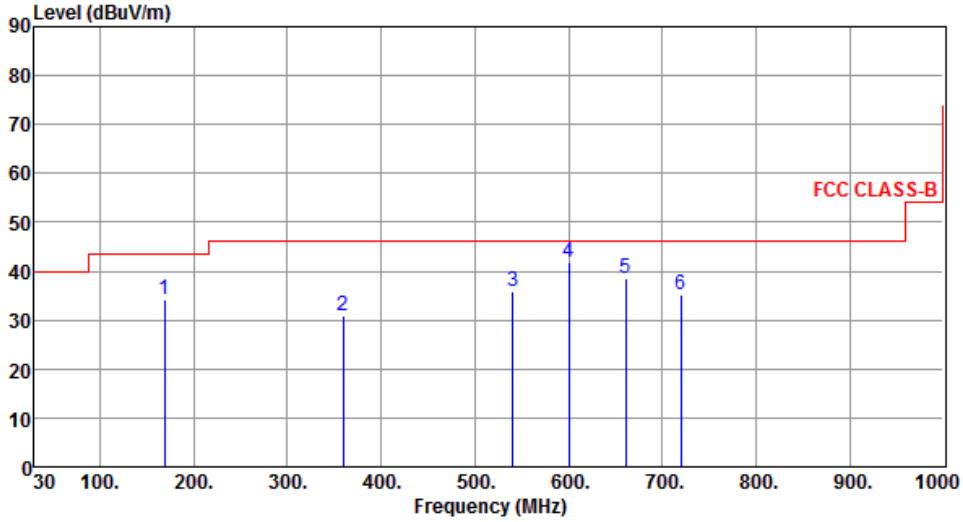
Modulation	LTE band 5 CB: 10M QPSK + 2.4G 11g	Test Channel	CH26000 + CH6
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	44.18	37.05	40.00	-2.95	53.42	-16.37	QP	---	---
2	102.53	34.89	43.50	-8.61	56.04	-21.15	Peak	---	---
3	158.64	32.71	43.50	-10.79	49.42	-16.71	Peak	---	---
4	540.87	31.56	46.00	-14.44	42.16	-10.60	Peak	---	---
5	600.49	35.03	46.00	-10.97	44.58	-9.55	Peak	---	---
6	660.29	32.74	46.00	-13.26	41.42	-8.68	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

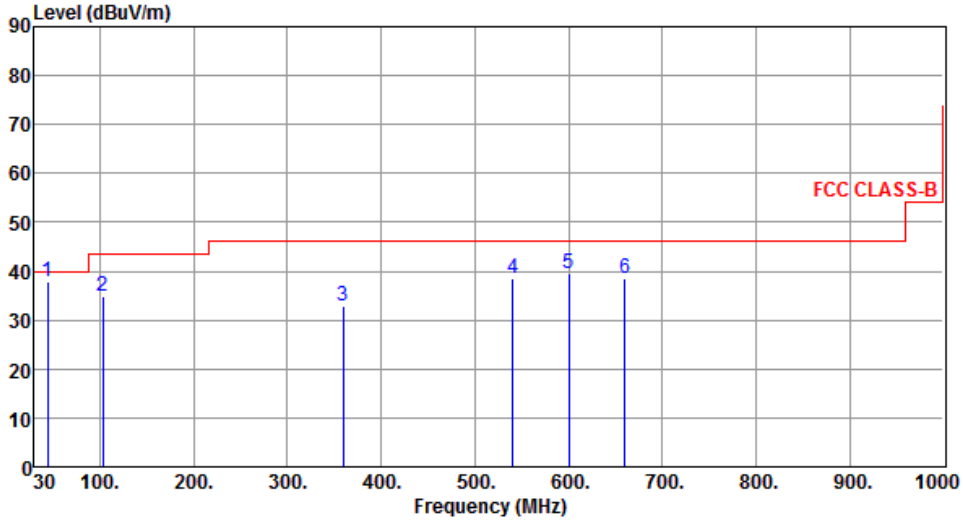
Modulation	LTE band 5 CB: 10M QPSK + 5G 11ac VHT40	Test Channel	CH26000 + CH46
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	168.97	34.14	43.50	-9.36	51.01	-16.87	Peak	---	---
2	359.81	31.05	46.00	-14.95	45.64	-14.59	Peak	---	---
3	540.96	36.02	46.00	-9.98	46.62	-10.60	Peak	---	---
4	600.54	41.88	46.00	-4.12	51.43	-9.55	Peak	---	---
5	660.63	38.52	46.00	-7.48	47.19	-8.67	Peak	---	---
6	719.48	35.25	46.00	-10.75	42.93	-7.68	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

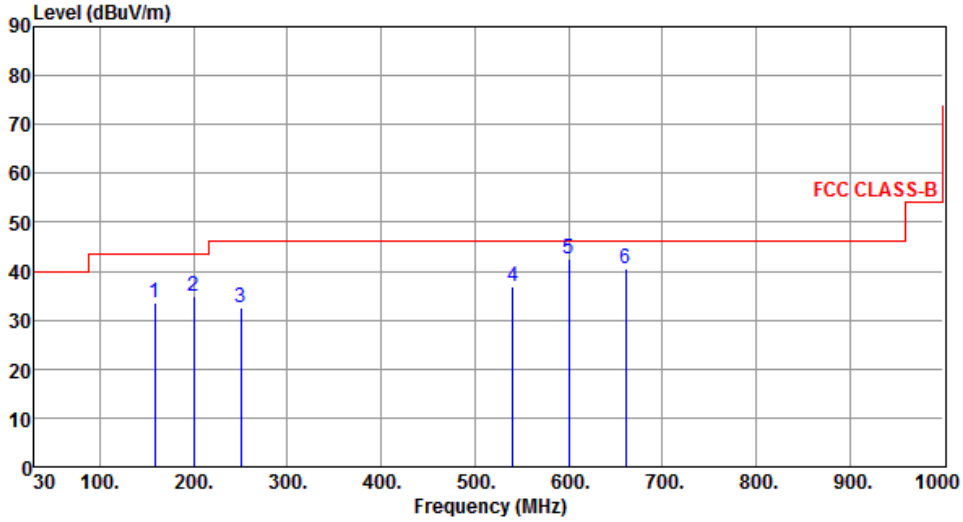
Modulation	LTE band 5 CB: 10M QPSK + 5G 11ac VHT40	Test Channel	CH26000 + CH46
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	44.42	37.89	40.00	-2.11	54.24	-16.35	QP	---	---
2	102.67	34.93	43.50	-8.57	56.06	-21.13	Peak	---	---
3	359.41	32.84	46.00	-13.16	47.44	-14.60	Peak	---	---
4	540.59	38.58	46.00	-7.42	49.19	-10.61	Peak	---	---
5	600.17	39.42	46.00	-6.58	48.98	-9.56	Peak	---	---
6	660.26	38.43	46.00	-7.57	47.11	-8.68	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

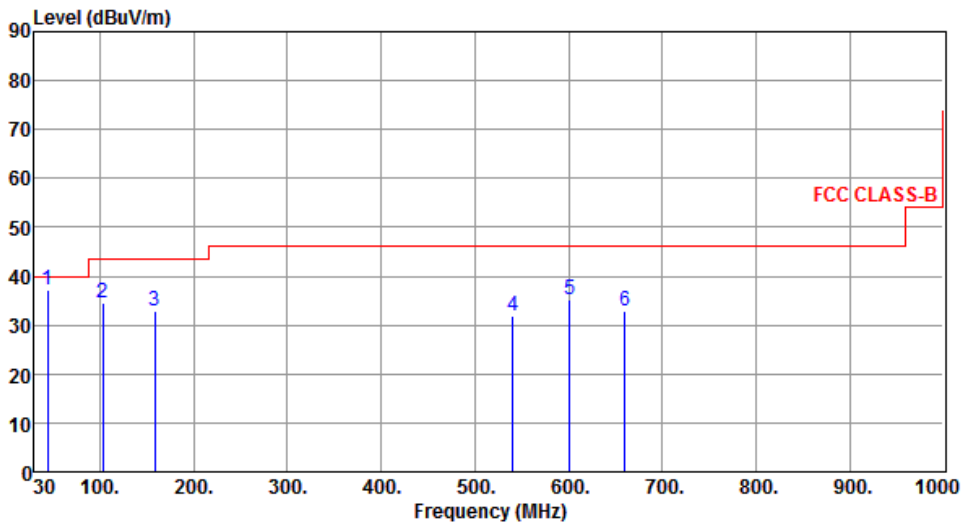
Modulation	LTE band 7 CB: 20M QPSK + 2.4G 11g	Test Channel	CH21100 + CH6
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	158.33	33.54	43.50	-9.96	50.24	-16.70	Peak	---	---
2	200.47	34.89	43.50	-8.61	53.97	-19.08	Peak	---	---
3	250.63	32.65	46.00	-13.35	50.28	-17.63	Peak	---	---
4	540.37	36.91	46.00	-9.09	47.52	-10.61	Peak	---	---
5	600.18	42.47	46.00	-3.53	52.03	-9.56	Peak	---	---
6	660.89	40.55	46.00	-5.45	49.22	-8.67	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

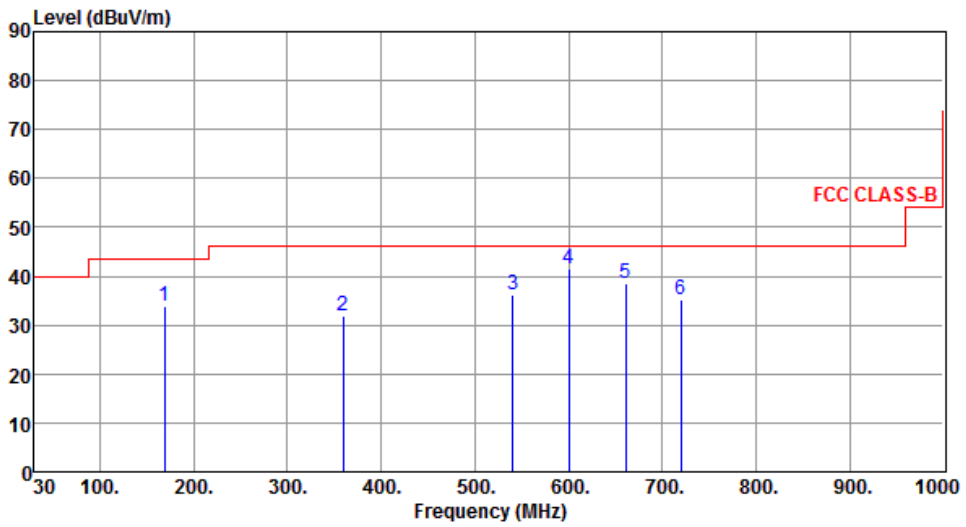
Modulation	LTE band 7 CB: 20M QPSK + 2.4G 11g	Test Channel	CH21100 + CH6
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	44.39	37.28	40.00	-2.72	53.64	-16.36	QP	---	---
2	103.21	34.58	43.50	-8.92	55.60	-21.02	Peak	---	---
3	158.49	32.76	43.50	-10.74	49.46	-16.70	Peak	---	---
4	540.78	31.85	46.00	-14.15	42.46	-10.61	Peak	---	---
5	600.91	35.22	46.00	-10.78	44.77	-9.55	Peak	---	---
6	660.32	32.85	46.00	-13.15	41.53	-8.68	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

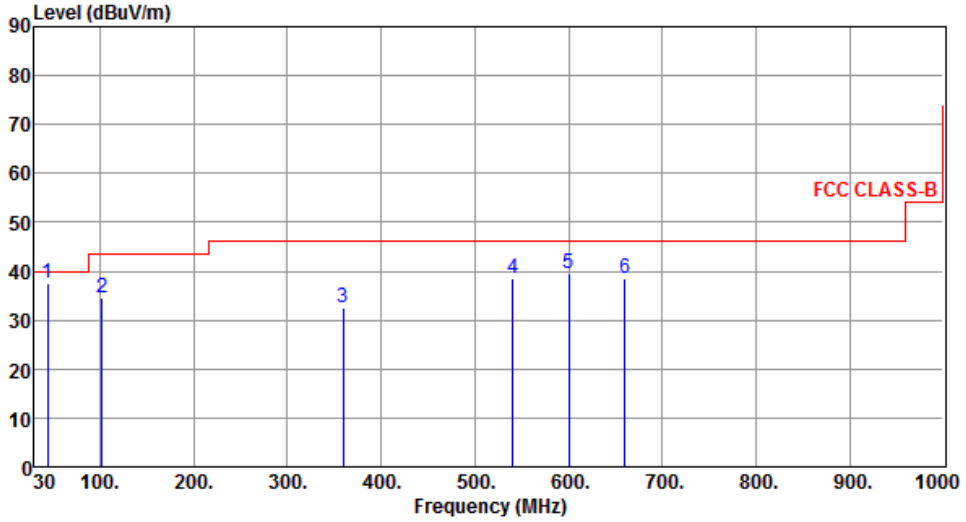
Modulation	LTE band 7 CB: 20M QPSK + 5G 11ac VHT40	Test Channel	CH21100 + CH46
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	168.94	33.85	43.50	-9.65	50.72	-16.87	Peak	---	---
2	359.41	31.89	46.00	-14.11	46.49	-14.60	Peak	---	---
3	540.63	36.27	46.00	-9.73	46.88	-10.61	Peak	---	---
4	600.71	41.58	46.00	-4.42	51.13	-9.55	Peak	---	---
5	660.96	38.59	46.00	-7.41	47.26	-8.67	Peak	---	---
6	719.46	35.18	46.00	-10.82	42.86	-7.68	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

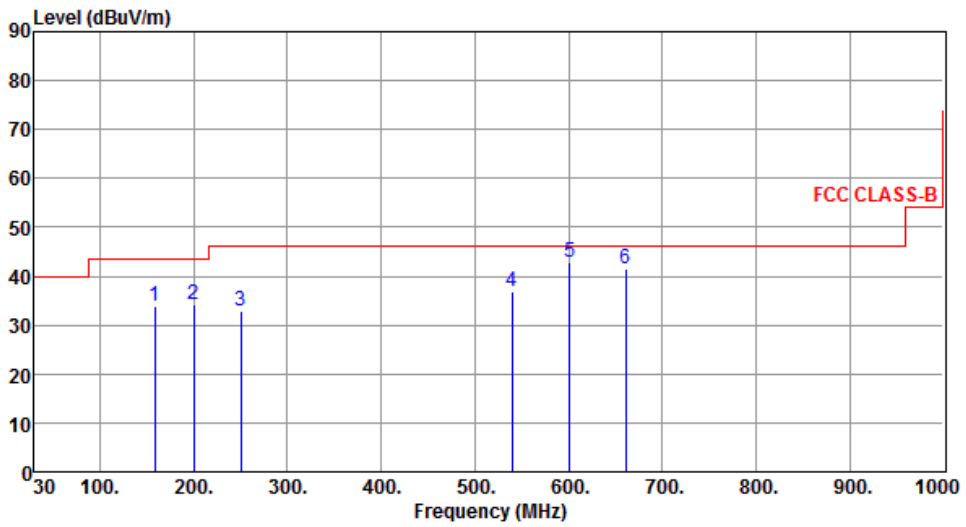
Modulation	LTE band 7 CB: 20M QPSK + 5G 11ac VHT40	Test Channel	CH21100 + CH46
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	44.18	37.42	40.00	-2.58	53.79	-16.37	QP	---	---
2	102.56	34.59	43.50	-8.91	55.73	-21.14	Peak	---	---
3	359.73	32.71	46.00	-13.29	47.31	-14.60	Peak	---	---
4	540.84	38.52	46.00	-7.48	49.12	-10.60	Peak	---	---
5	600.19	39.49	46.00	-6.51	49.05	-9.56	Peak	---	---
6	660.36	38.56	46.00	-7.44	47.23	-8.67	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

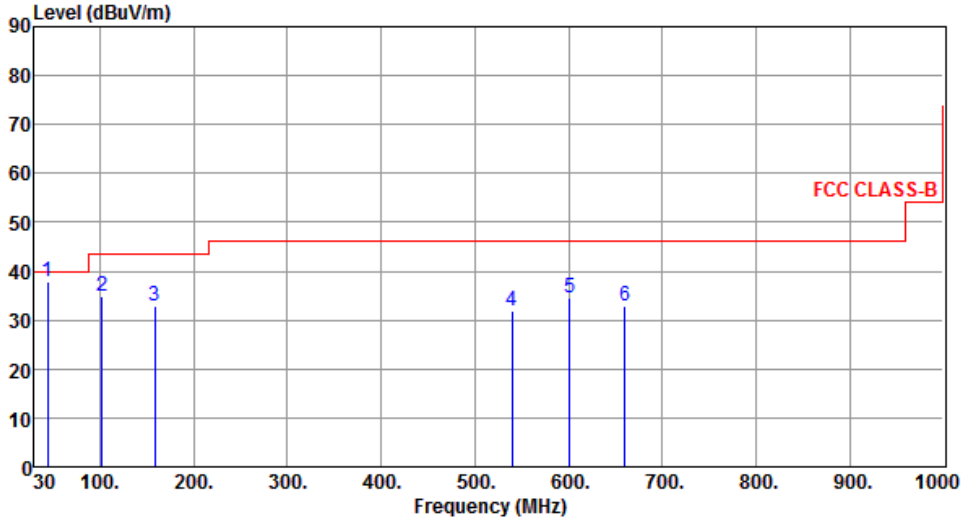
Modulation	LTE band 13 CB: 10M QPSK + 2.4G 11g	Test Channel	CH23230 + CH6
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	158.14	33.74	43.50	-9.76	50.44	-16.70	Peak	---	---
2	200.17	34.25	43.50	-9.25	53.33	-19.08	Peak	---	---
3	250.63	32.89	46.00	-13.11	50.52	-17.63	Peak	---	---
4	540.09	36.81	46.00	-9.19	47.43	-10.62	Peak	---	---
5	600.97	42.81	46.00	-3.19	52.36	-9.55	Peak	---	---
6	660.75	41.54	46.00	-4.46	50.21	-8.67	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

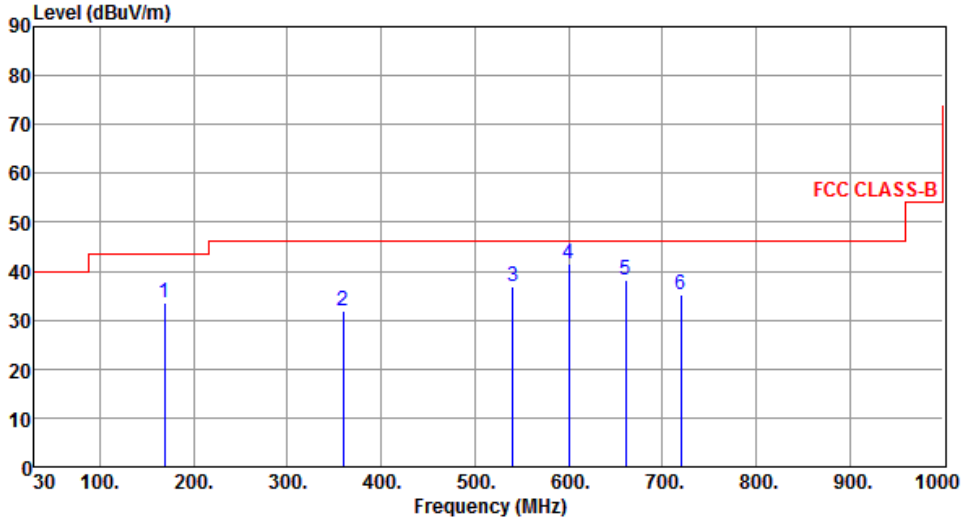
Modulation	LTE band 13 CB: 10M QPSK + 2.4G 11g	Test Channel	CH23230 + CH6
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	44.51	37.80	40.00	-2.20	54.15	-16.35	QP	---	---
2	102.56	34.85	43.50	-8.65	55.99	-21.14	Peak	---	---
3	158.24	32.96	43.50	-10.54	49.66	-16.70	Peak	---	---
4	540.12	31.72	46.00	-14.28	42.34	-10.62	Peak	---	---
5	600.87	34.58	46.00	-11.42	44.13	-9.55	Peak	---	---
6	660.39	32.91	46.00	-13.09	41.58	-8.67	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

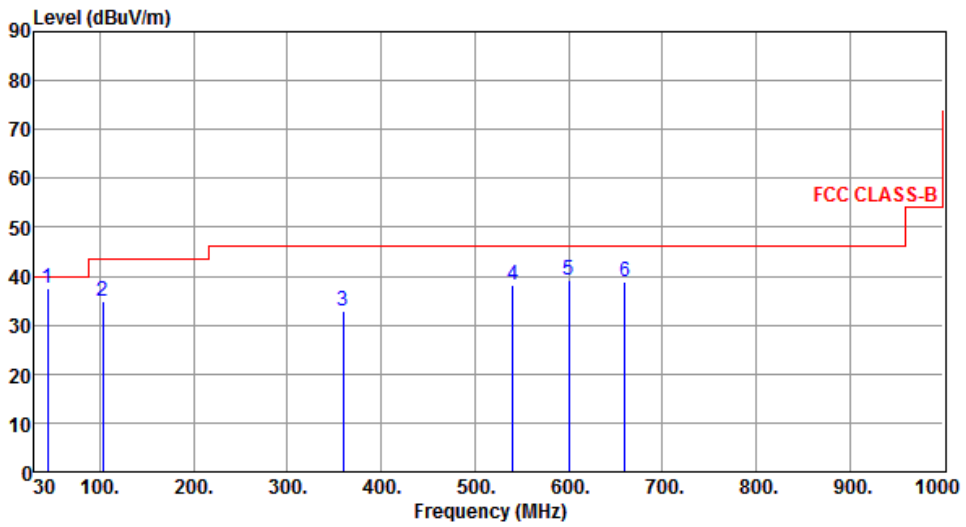
Modulation	LTE band 13 CB: 10M QPSK + 5G 11ac VHT40	Test Channel	CH23230 + CH46
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	168.52	33.45	43.50	-10.05	50.31	-16.86	Peak	---	---
2	359.26	31.89	46.00	-14.11	46.50	-14.61	Peak	---	---
3	540.35	36.81	46.00	-9.19	47.42	-10.61	Peak	---	---
4	600.72	41.43	46.00	-4.57	50.98	-9.55	Peak	---	---
5	660.58	38.24	46.00	-7.76	46.91	-8.67	Peak	---	---
6	719.49	35.19	46.00	-10.81	42.87	-7.68	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

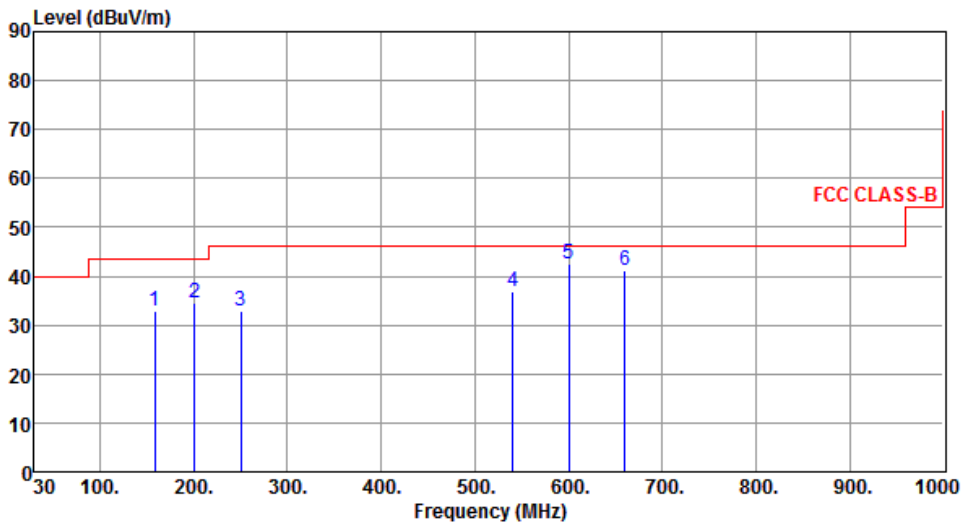
Modulation	LTE band 13 CB: 10M QPSK + 5G 11ac VHT40	Test Channel	CH23230 + CH46
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	44.18	37.52	40.00	-2.48	53.89	-16.37	QP	---	---
2	102.67	34.98	43.50	-8.52	56.11	-21.13	Peak	---	---
3	359.63	32.94	46.00	-13.06	47.54	-14.60	Peak	---	---
4	540.39	38.17	46.00	-7.83	48.78	-10.61	Peak	---	---
5	600.16	39.28	46.00	-6.72	48.84	-9.56	Peak	---	---
6	660.41	38.74	46.00	-7.26	47.41	-8.67	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

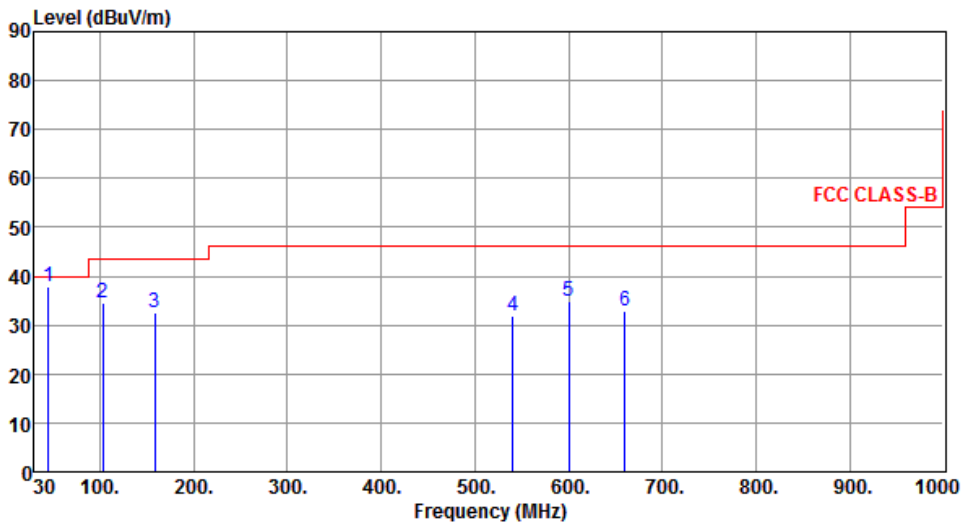
Modulation	LTE band 17 CB: 10M QPSK + 2.4G 11g	Test Channel	CH23800 + CH6
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	158.47	32.96	43.50	-10.54	49.66	-16.70	Peak	---	---
2	200.93	34.58	43.50	-8.92	53.65	-19.07	Peak	---	---
3	250.63	32.75	46.00	-13.25	50.38	-17.63	Peak	---	---
4	540.18	36.81	46.00	-9.19	47.43	-10.62	Peak	---	---
5	600.29	42.53	46.00	-3.47	52.09	-9.56	Peak	---	---
6	660.35	41.11	46.00	-4.89	49.79	-8.68	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

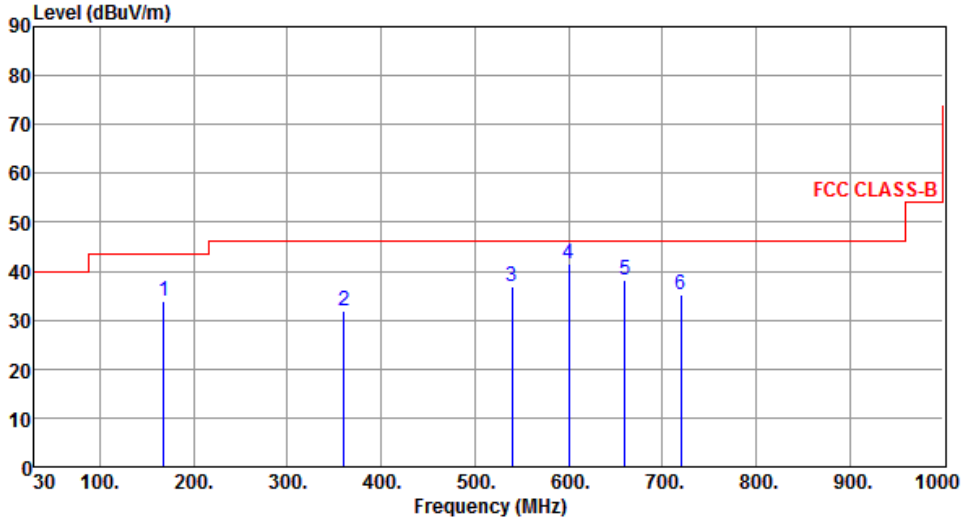
Modulation	LTE band 17 CB: 10M QPSK + 2.4G 11g	Test Channel	CH23800 + CH6
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	44.87	37.81	40.00	-2.19	54.13	-16.32	QP	---	---
2	102.77	34.49	43.50	-9.01	55.60	-21.11	Peak	---	---
3	158.41	32.46	43.50	-11.04	49.16	-16.70	Peak	---	---
4	540.72	31.85	46.00	-14.15	42.46	-10.61	Peak	---	---
5	600.19	35.03	46.00	-10.97	44.59	-9.56	Peak	---	---
6	660.38	32.96	46.00	-13.04	41.63	-8.67	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

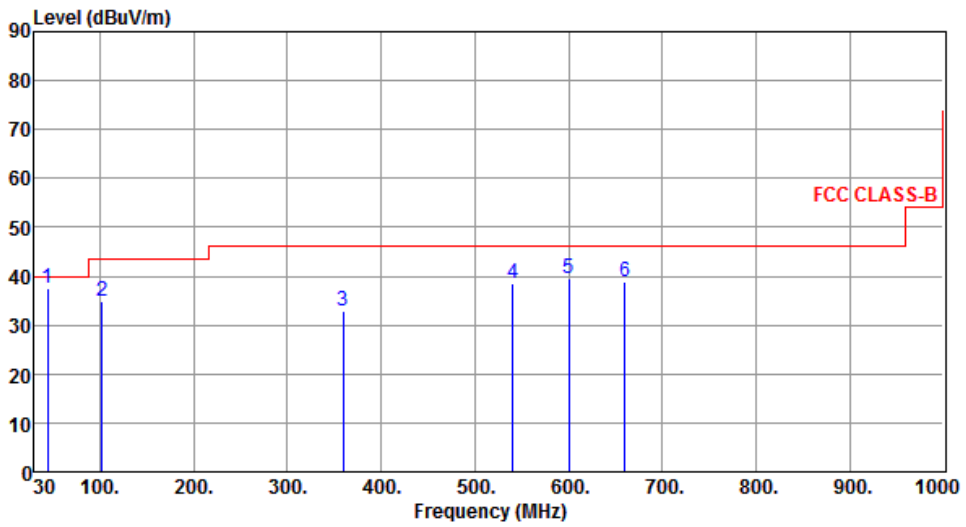
Modulation	LTE band 17 CB: 10M QPSK + 5G 11ac VHT40	Test Channel	CH23800 + CH46
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	168.41	34.03	43.50	-9.47	50.89	-16.86	Peak	---	---
2	360.18	31.93	46.00	-14.07	46.52	-14.59	Peak	---	---
3	540.02	36.87	46.00	-9.13	47.49	-10.62	Peak	---	---
4	600.25	41.64	46.00	-4.36	51.20	-9.56	Peak	---	---
5	660.18	38.24	46.00	-7.76	46.92	-8.68	Peak	---	---
6	719.83	35.28	46.00	-10.72	42.95	-7.67	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

Modulation	LTE band 17 CB: 10M QPSK + 5G 11ac VHT40	Test Channel	CH23800 + CH46
Polarization	Vertical		

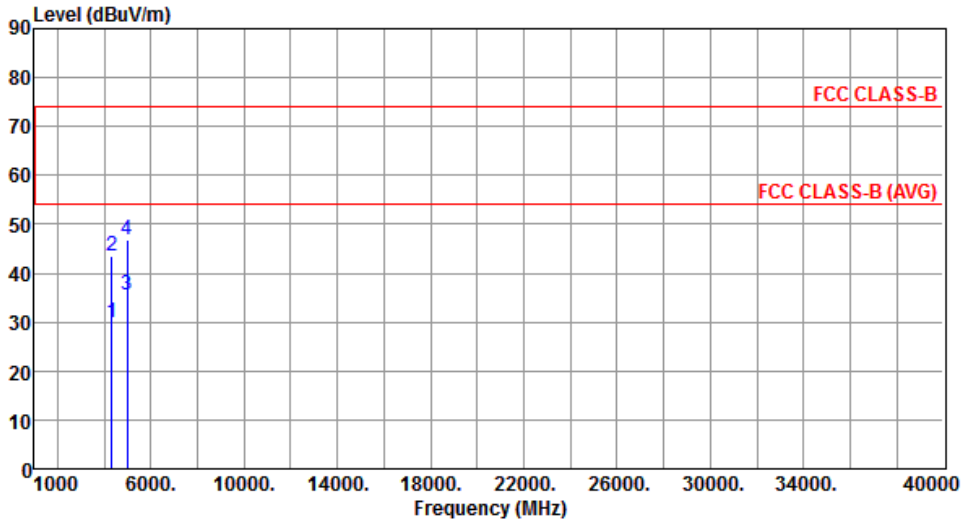


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	44.16	37.66	40.00	-2.34	54.03	-16.37	QP	---	---
2	102.56	34.95	43.50	-8.55	56.09	-21.14	Peak	---	---
3	359.68	32.93	46.00	-13.07	47.53	-14.60	Peak	---	---
4	540.73	38.57	46.00	-7.43	49.18	-10.61	Peak	---	---
5	600.10	39.41	46.00	-6.59	48.97	-9.56	Peak	---	---
6	660.44	38.93	46.00	-7.07	47.60	-8.67	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

3.1.5 Transmitter Radiated Unwanted Emissions (Above 1GHz)

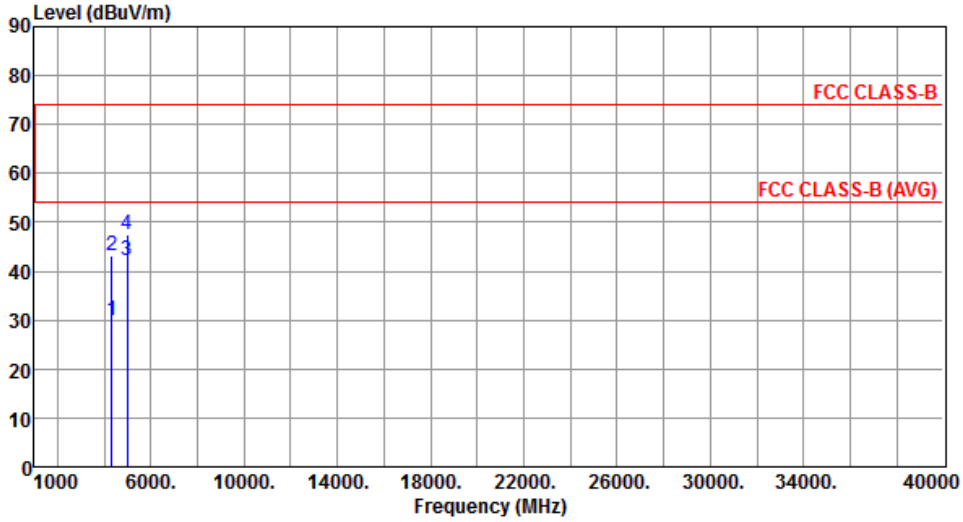
Modulation	WCDMA II + 2.4G 11g	**Test Channel**	CH9400 + CH6
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	4317.00	30.00	54.00	-24.00	27.32	2.68	Average	---	---
2	4317.00	43.51	74.00	-30.49	40.83	2.68	Peak	---	---
3	5000.00	35.57	54.00	-18.43	30.26	5.31	Average	---	---
4	5000.00	46.94	74.00	-27.06	41.63	5.31	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

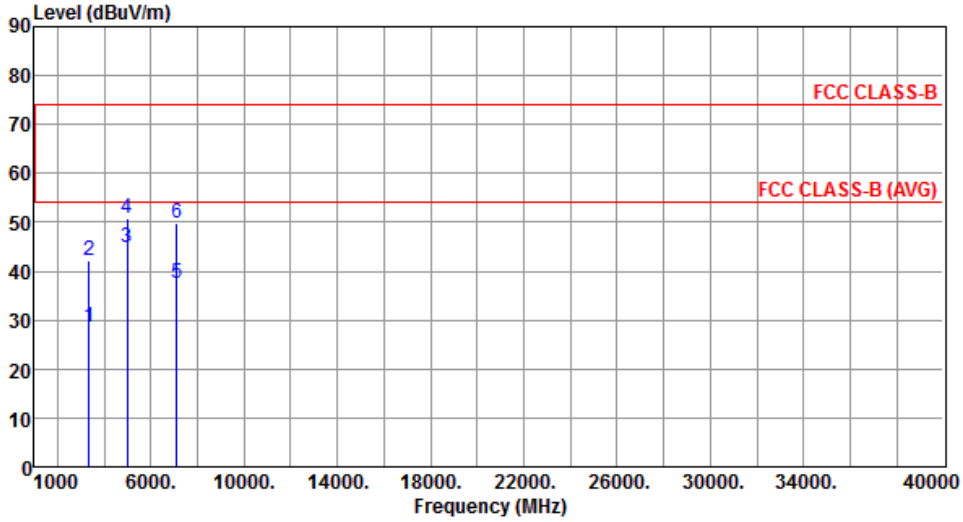
Modulation	WCDMA II + 2.4G 11g	Test Channel	CH9400 + CH6
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	4317.00	29.78	54.00	-24.22	27.10	2.68	Average	---	---
2	4317.00	43.02	74.00	-30.98	40.34	2.68	Peak	---	---
3	5000.00	42.24	54.00	-11.76	36.93	5.31	Average	---	---
4	5000.00	47.59	74.00	-26.41	42.28	5.31	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

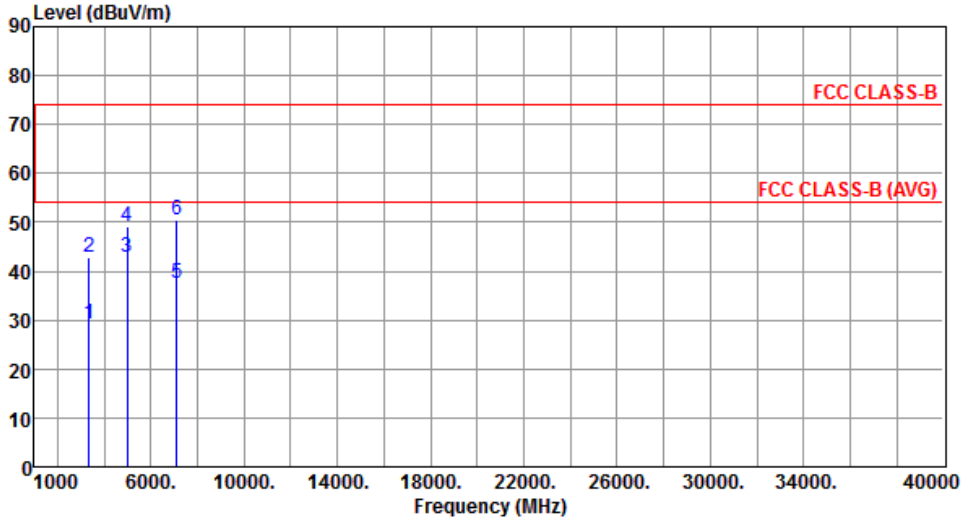
Modulation	WCDMA II + 5G 11ac VHT40	Test Channel	CH9400 + CH46
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3350.00	28.46	54.00	-25.54	29.05	-0.59	Average	---	---
2	3350.00	42.15	74.00	-31.85	42.74	-0.59	Peak	---	---
3	5000.00	44.83	54.00	-9.17	39.52	5.31	Average	---	---
4	5000.00	50.94	74.00	-23.06	45.63	5.31	Peak	---	---
5	7110.00	37.39	54.00	-16.61	28.42	8.97	Average	---	---
6	7110.00	49.84	74.00	-24.16	40.87	8.97	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

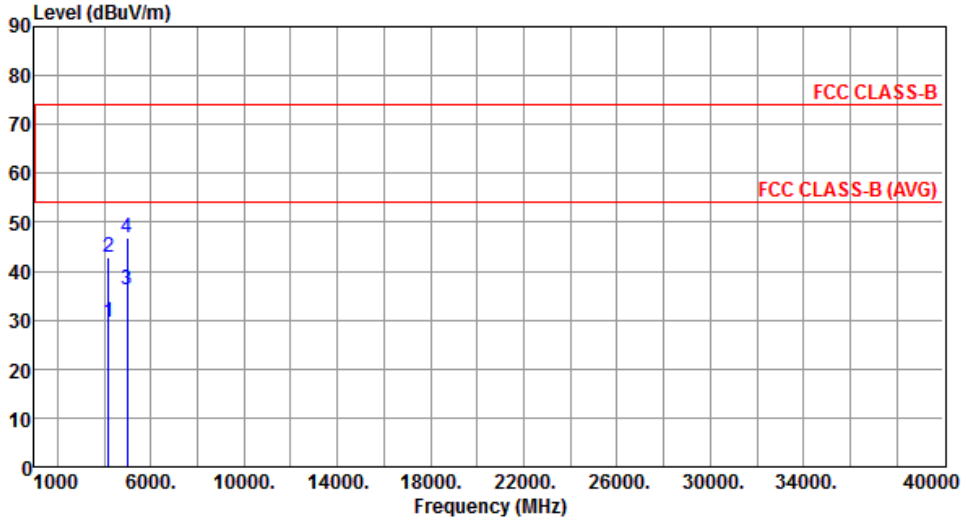
Modulation	WCDMA II + 5G 11ac VHT40	Test Channel	CH9400 + CH46
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3350.00	29.19	54.00	-24.81	29.78	-0.59	Average	---	---
2	3350.00	42.78	74.00	-31.22	43.37	-0.59	Peak	---	---
3	5000.00	42.69	54.00	-11.31	37.38	5.31	Average	---	---
4	5000.00	49.23	74.00	-24.77	43.92	5.31	Peak	---	---
5	7110.00	37.65	54.00	-16.35	28.68	8.97	Average	---	---
6	7110.00	50.53	74.00	-23.47	41.56	8.97	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

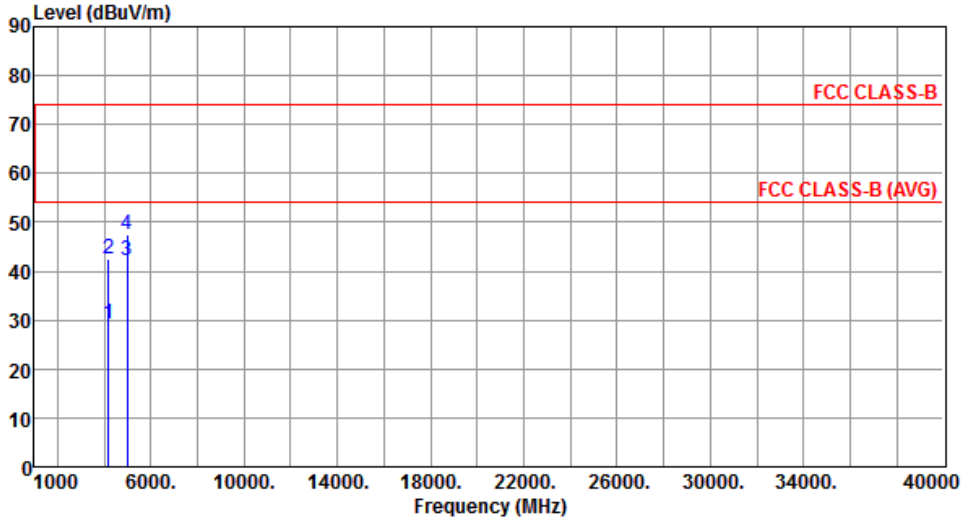
Modulation	WCDMA IV + 2.4G 11g	Test Channel	CH1513 + CH6
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	4189.60	29.49	54.00	-24.51	27.19	2.30	Average	---	---
2	4189.60	42.71	74.00	-31.29	40.41	2.30	Peak	---	---
3	5000.00	36.23	54.00	-17.77	30.92	5.31	Average	---	---
4	5000.00	46.90	74.00	-27.10	41.59	5.31	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

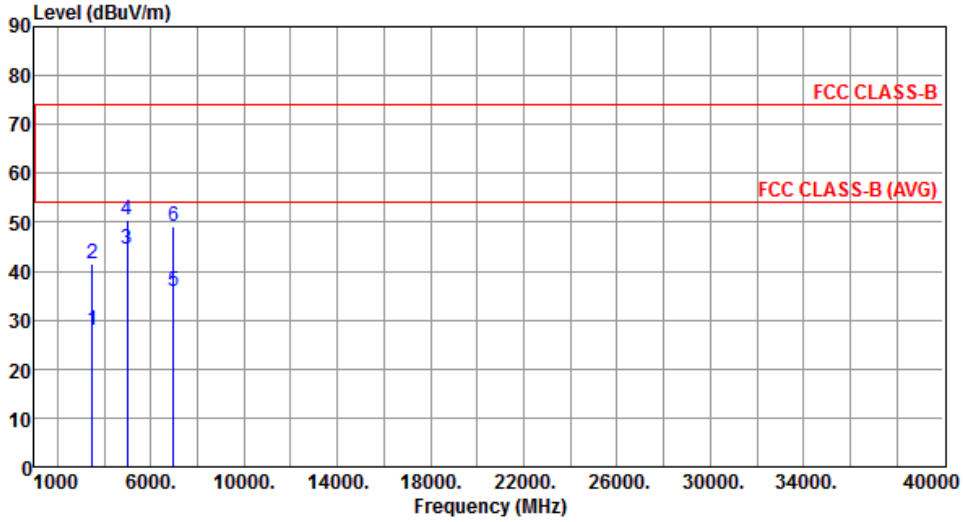
Modulation	WCDMA IV + 2.4G 11g	Test Channel	CH1513 + CH6
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	4189.60	29.34	54.00	-24.66	27.04	2.30	Average	---	---
2	4189.60	42.48	74.00	-31.52	40.18	2.30	Peak	---	---
3	5000.00	42.12	54.00	-11.88	36.81	5.31	Average	---	---
4	5000.00	47.36	74.00	-26.64	42.05	5.31	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

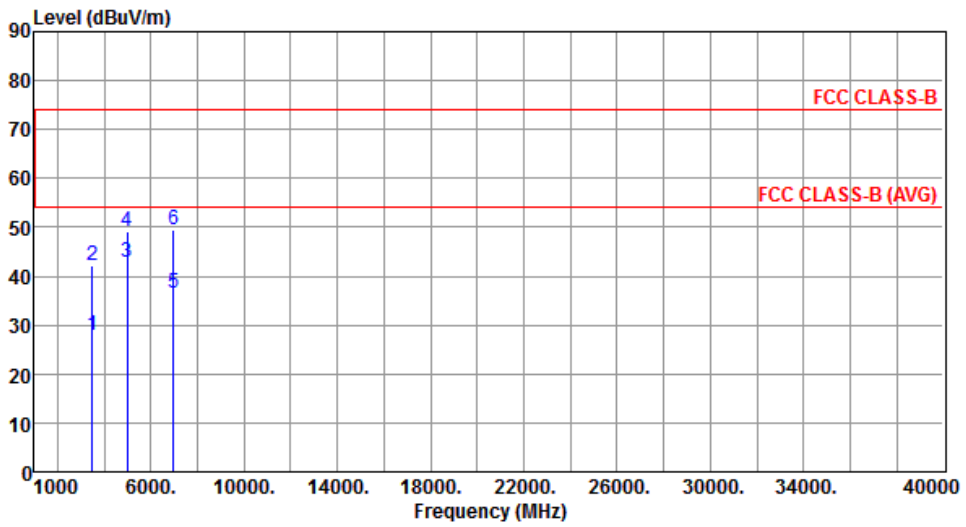
Modulation	WCDMA IV + 5G 11ac VHT40	Test Channel	CH1513 + CH46
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3477.40	28.03	54.00	-25.97	28.56	-0.53	Average	---	---
2	3477.40	41.63	74.00	-32.37	42.16	-0.53	Peak	---	---
3	5000.00	44.63	54.00	-9.37	39.32	5.31	Average	---	---
4	5000.00	50.59	74.00	-23.41	45.28	5.31	Peak	---	---
5	6982.60	35.87	54.00	-18.13	27.36	8.51	Average	---	---
6	6982.60	49.04	74.00	-24.96	40.53	8.51	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

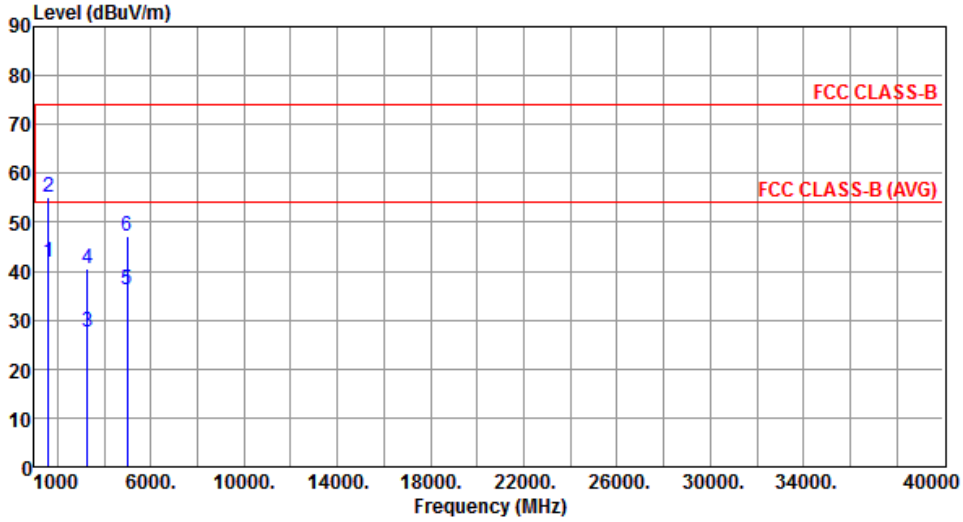
Modulation	WCDMA IV + 5G 11ac VHT40	Test Channel	CH1513 + CH46
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3477.40	28.05	54.00	-25.95	28.58	-0.53	Average	---	---
2	3477.40	42.31	74.00	-31.69	42.84	-0.53	Peak	---	---
3	5000.00	42.83	54.00	-11.17	37.52	5.31	Average	---	---
4	5000.00	49.20	74.00	-24.80	43.89	5.31	Peak	---	---
5	6982.60	36.46	54.00	-17.54	27.95	8.51	Average	---	---
6	6982.60	49.59	74.00	-24.41	41.08	8.51	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

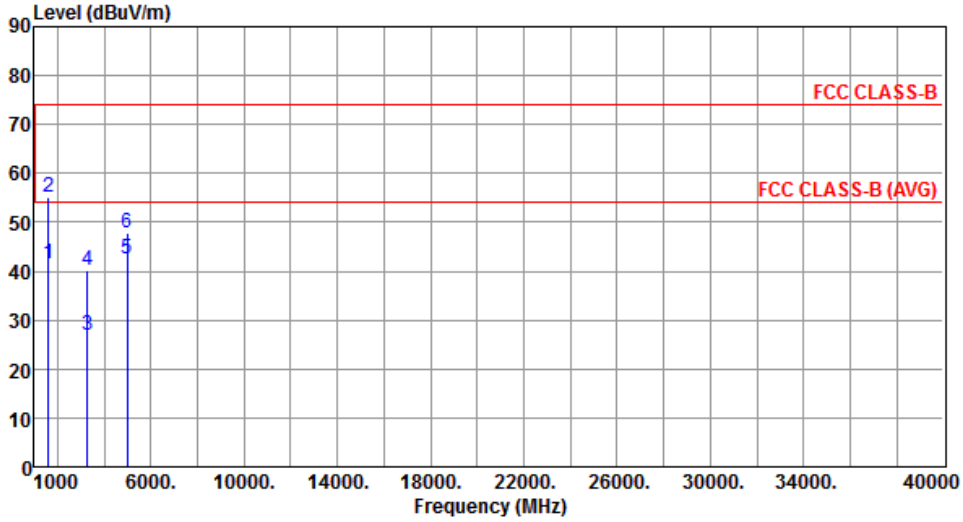
Modulation	WCDMA V + 2.4G 11g	Test Channel	CH4233 + CH6
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1590.40	41.93	54.00	-12.07	48.21	-6.28	Average	---	---
2	1590.40	55.07	74.00	-18.93	61.35	-6.28	Peak	---	---
3	3283.60	27.46	54.00	-26.54	28.22	-0.76	Average	---	---
4	3283.60	40.62	74.00	-33.38	41.38	-0.76	Peak	---	---
5	5000.00	36.25	54.00	-17.75	30.94	5.31	Average	---	---
6	5000.00	47.18	74.00	-26.82	41.87	5.31	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

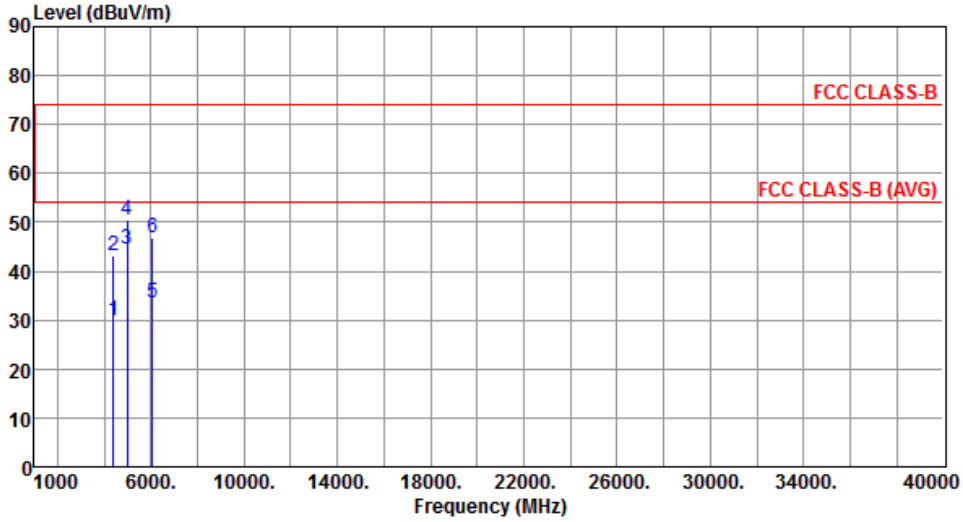
Modulation	WCDMA V + 2.4G 11g	Test Channel	CH4233 + CH6
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1590.40	41.50	54.00	-12.50	47.78	-6.28	Average	---	---
2	1590.40	55.05	74.00	-18.95	61.33	-6.28	Peak	---	---
3	3283.60	27.05	54.00	-26.95	27.81	-0.76	Average	---	---
4	3283.60	40.26	74.00	-33.74	41.02	-0.76	Peak	---	---
5	5000.00	42.52	54.00	-11.48	37.21	5.31	Average	---	---
6	5000.00	47.80	74.00	-26.20	42.49	5.31	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

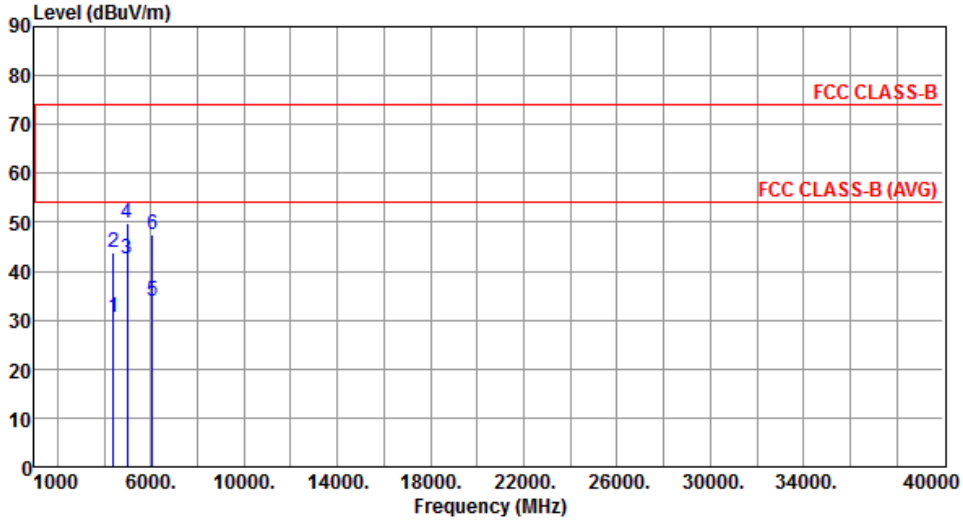
Modulation	WCDMA V + 5G 11ac VHT40	Test Channel	CH4233 + CH46
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	4383.40	30.01	54.00	-23.99	27.14	2.87	Average	---	---
2	4383.40	43.22	74.00	-30.78	40.35	2.87	Peak	---	---
3	5000.00	44.62	54.00	-9.38	39.31	5.31	Average	---	---
4	5000.00	50.58	74.00	-23.42	45.27	5.31	Peak	---	---
5	6076.60	33.65	54.00	-20.35	27.51	6.14	Average	---	---
6	6076.60	46.72	74.00	-27.28	40.58	6.14	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

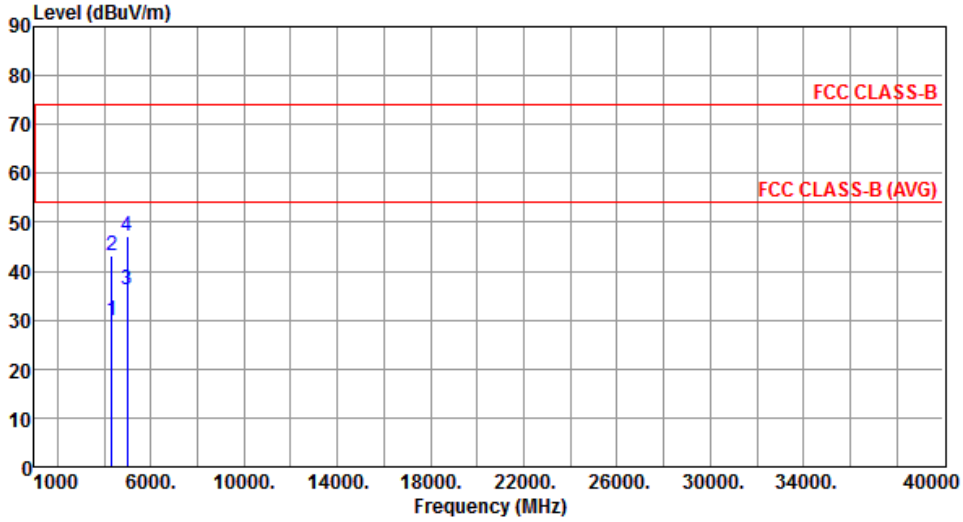
Modulation	WCDMA V + 5G 11ac VHT40	Test Channel	CH4233 + CH46
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	4383.40	30.48	54.00	-23.52	27.61	2.87	Average	---	---
2	4383.40	43.85	74.00	-30.15	40.98	2.87	Peak	---	---
3	5000.00	42.42	54.00	-11.58	37.11	5.31	Average	---	---
4	5000.00	49.94	74.00	-24.06	44.63	5.31	Peak	---	---
5	6076.60	33.98	54.00	-20.02	27.84	6.14	Average	---	---
6	6076.60	47.35	74.00	-26.65	41.21	6.14	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

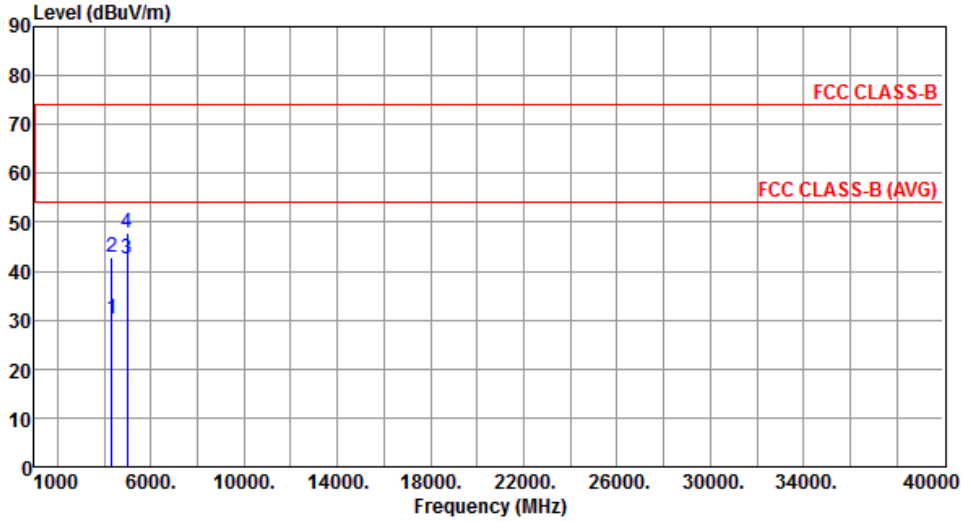
Modulation	LTE band 2 CB: 20M QPSK + 2.4G 11g	Test Channel	CH18900 + CH6
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	4325.92	29.79	54.00	-24.21	27.09	2.70	Average	---	---
2	4325.92	43.23	74.00	-30.77	40.53	2.70	Peak	---	---
3	5000.00	36.15	54.00	-17.85	30.84	5.31	Average	---	---
4	5000.00	47.04	74.00	-26.96	41.73	5.31	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

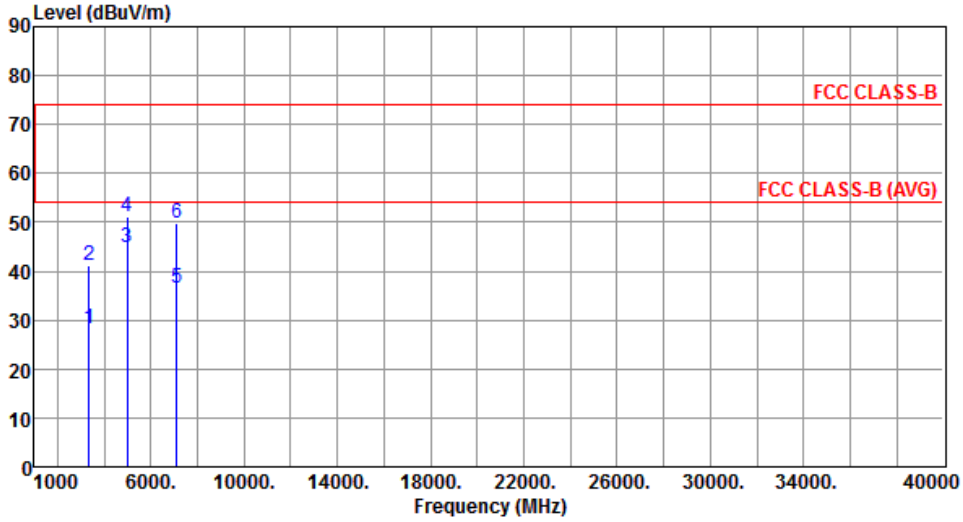
Modulation	LTE band 2 CB: 20M QPSK + 2.4G 11g	Test Channel	CH18900 + CH6
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	4325.92	30.14	54.00	-23.86	27.44	2.70	Average	---	---
2	4325.92	42.98	74.00	-31.02	40.28	2.70	Peak	---	---
3	5000.00	42.53	54.00	-11.47	37.22	5.31	Average	---	---
4	5000.00	47.69	74.00	-26.31	42.38	5.31	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

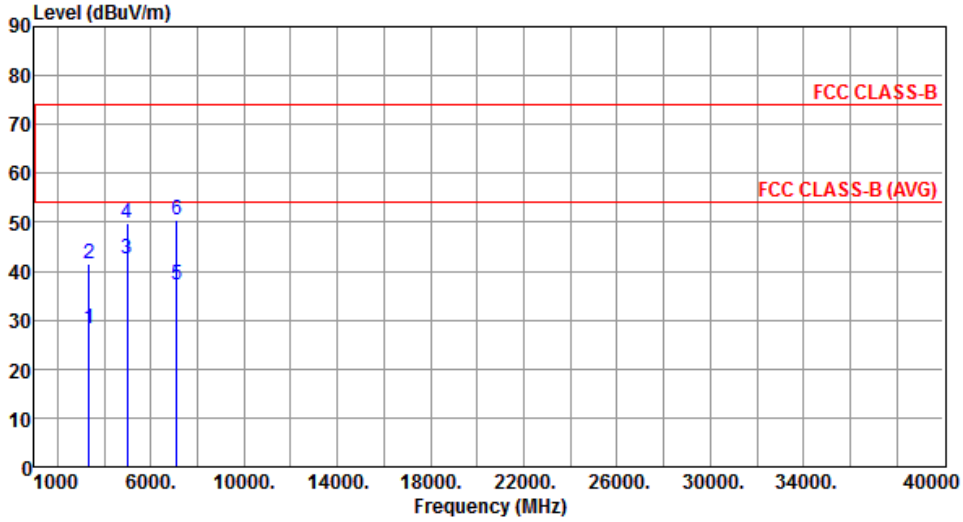
Modulation	LTE band 2 CB: 20M QPSK + 5G 11ac VHT40	Test Channel	CH18900 + CH46
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3341.08	28.11	54.00	-25.89	28.72	-0.61	Average	---	---
2	3341.08	41.28	74.00	-32.72	41.89	-0.61	Peak	---	---
3	5000.00	44.90	54.00	-9.10	39.59	5.31	Average	---	---
4	5000.00	51.05	74.00	-22.95	45.74	5.31	Peak	---	---
5	7118.92	36.55	54.00	-17.45	27.54	9.01	Average	---	---
6	7118.92	49.67	74.00	-24.33	40.66	9.01	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

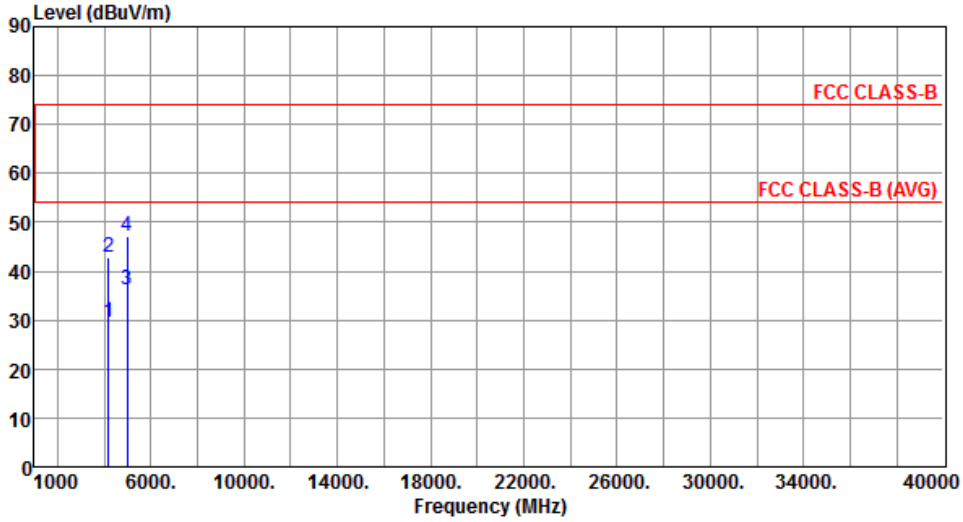
Modulation	LTE band 2 CB: 20M QPSK + 5G 11ac VHT40	Test Channel	CH18900 + CH46
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3341.08	28.35	54.00	-25.65	28.96	-0.61	Average	---	---
2	3341.08	41.42	74.00	-32.58	42.03	-0.61	Peak	---	---
3	5000.00	42.63	54.00	-11.37	37.32	5.31	Average	---	---
4	5000.00	49.87	74.00	-24.13	44.56	5.31	Peak	---	---
5	7118.92	37.14	54.00	-16.86	28.13	9.01	Average	---	---
6	7118.92	50.59	74.00	-23.41	41.58	9.01	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

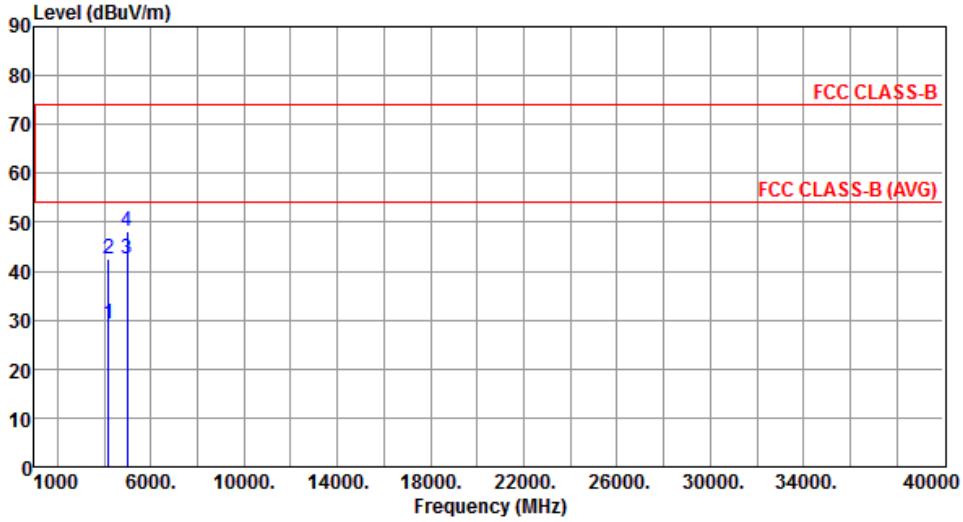
Modulation	LTE band 4 CB: 20M QPSK + 2.4G 11g	Test Channel	CH20300 + CH6
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	4190.84	29.52	54.00	-24.48	27.21	2.31	Average	---	---
2	4190.84	42.89	74.00	-31.11	40.58	2.31	Peak	---	---
3	5000.00	36.25	54.00	-17.75	30.94	5.31	Average	---	---
4	5000.00	47.20	74.00	-26.80	41.89	5.31	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

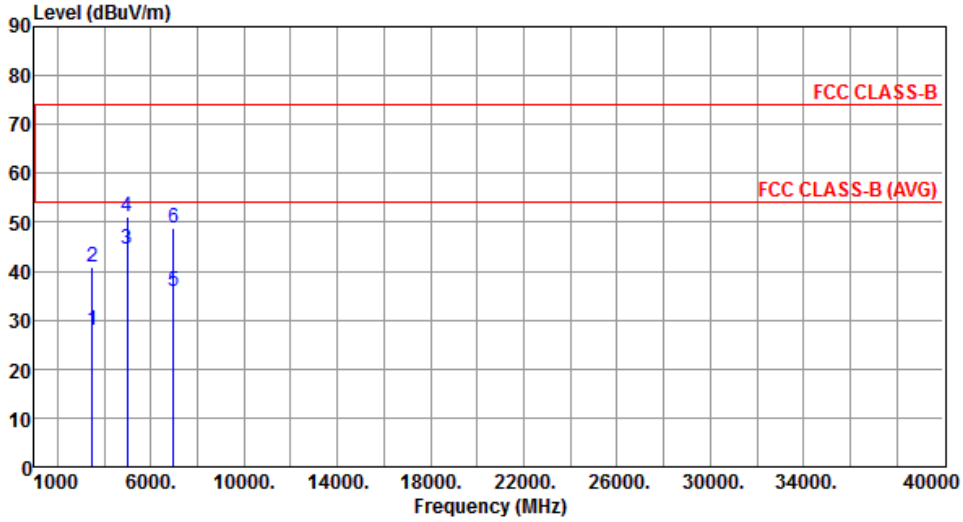
Modulation	LTE band 4 CB: 20M QPSK + 2.4G 11g	Test Channel	CH20300 + CH6
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	4190.84	29.36	54.00	-24.64	27.05	2.31	Average	---	---
2	4190.84	42.49	74.00	-31.51	40.18	2.31	Peak	---	---
3	5000.00	42.39	54.00	-11.61	37.08	5.31	Average	---	---
4	5000.00	48.07	74.00	-25.93	42.76	5.31	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

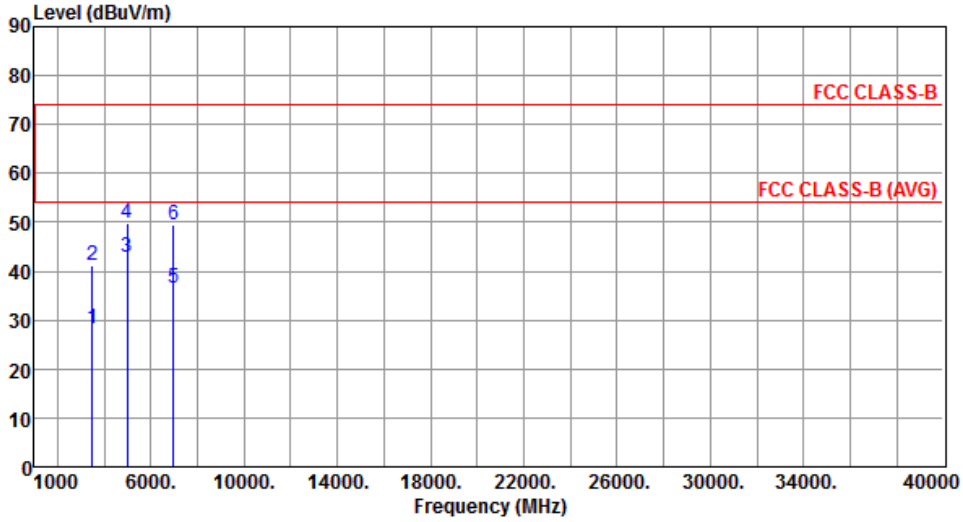
Modulation	LTE band 4 CB: 20M QPSK + 5G 11ac VHT40	Test Channel	CH20300 + CH46
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3476.16	27.81	54.00	-26.19	28.34	-0.53	Average	---	---
2	3476.16	40.86	74.00	-33.14	41.39	-0.53	Peak	---	---
3	5000.00	44.54	54.00	-9.46	39.23	5.31	Average	---	---
4	5000.00	51.15	74.00	-22.85	45.84	5.31	Peak	---	---
5	6983.84	35.90	54.00	-18.10	27.39	8.51	Average	---	---
6	6983.84	48.76	74.00	-25.24	40.25	8.51	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

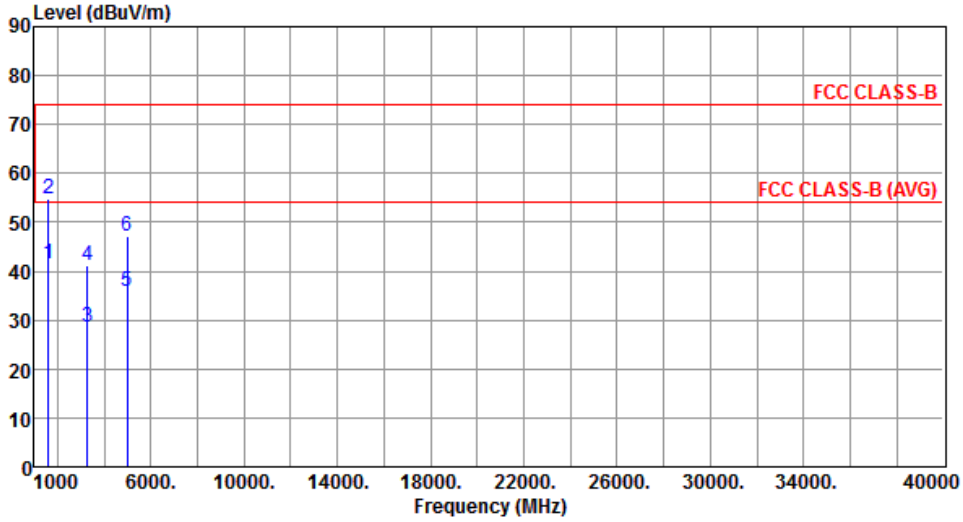
Modulation	LTE band 4 CB: 20M QPSK + 5G 11ac VHT40	Test Channel	CH20300 + CH46
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	3476.16	28.19	54.00	-25.81	28.72	-0.53	Average	---	---
2	3476.16	41.04	74.00	-32.96	41.57	-0.53	Peak	---	---
3	5000.00	42.94	54.00	-11.06	37.63	5.31	Average	---	---
4	5000.00	49.69	74.00	-24.31	44.38	5.31	Peak	---	---
5	6983.84	36.42	54.00	-17.58	27.91	8.51	Average	---	---
6	6983.84	49.59	74.00	-24.41	41.08	8.51	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

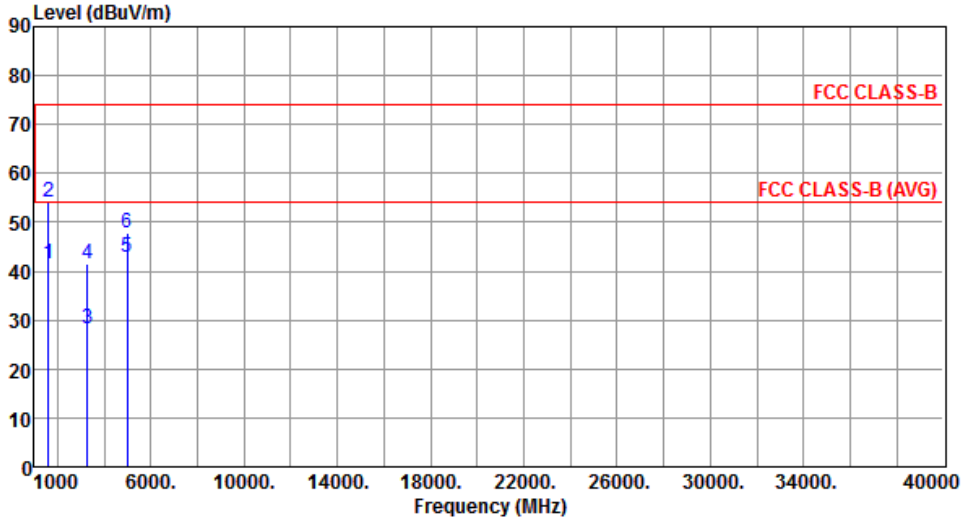
Modulation	LTE band 5 CB: 10M QPSK + 2.4G 11g	Test Channel	CH26000 + CH6
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1588.62	41.43	54.00	-12.57	47.71	-6.28	Average	---	---
2	1588.62	54.82	74.00	-19.18	61.10	-6.28	Peak	---	---
3	3285.38	28.65	54.00	-25.35	29.41	-0.76	Average	---	---
4	3285.38	41.10	74.00	-32.90	41.86	-0.76	Peak	---	---
5	5000.00	35.85	54.00	-18.15	30.54	5.31	Average	---	---
6	5000.00	47.28	74.00	-26.72	41.97	5.31	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

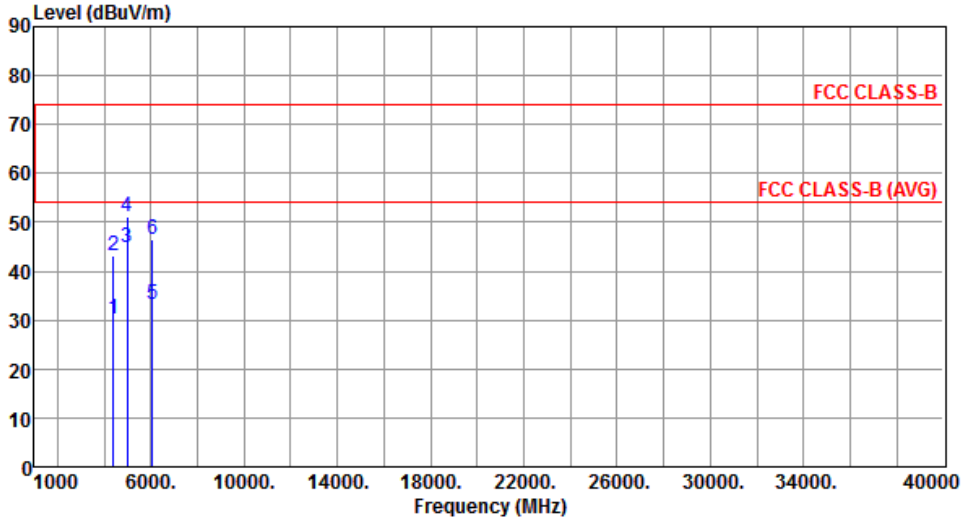
Modulation	LTE band 5 CB: 10M QPSK + 2.4G 11g	Test Channel	CH26000 + CH6
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1588.62	41.41	54.00	-12.59	47.69	-6.28	Average	---	---
2	1588.62	54.17	74.00	-19.83	60.45	-6.28	Peak	---	---
3	3285.38	28.21	54.00	-25.79	28.97	-0.76	Average	---	---
4	3285.38	41.43	74.00	-32.57	42.19	-0.76	Peak	---	---
5	5000.00	42.74	54.00	-11.26	37.43	5.31	Average	---	---
6	5000.00	47.82	74.00	-26.18	42.51	5.31	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

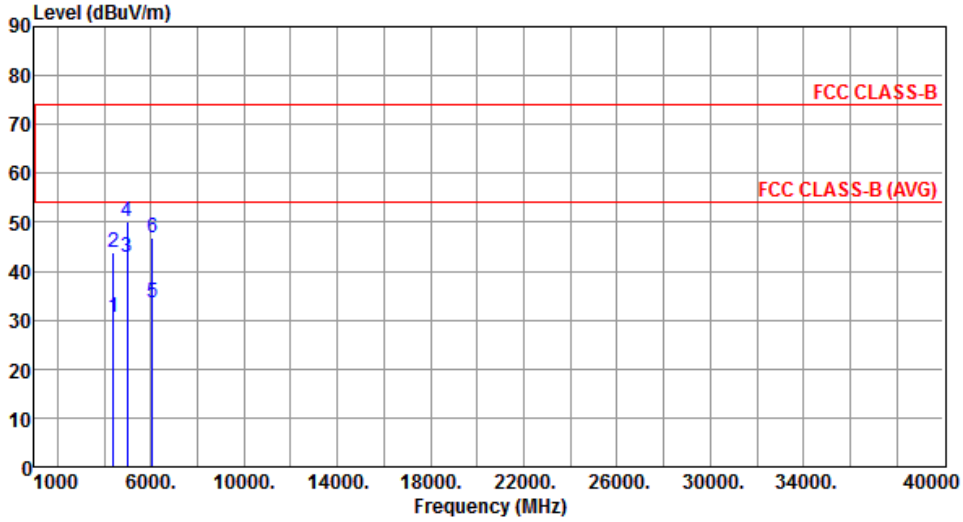
Modulation	LTE band 5 CB: 10M QPSK + 5G 11ac VHT40	Test Channel	CH26000 + CH46
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	4381.62	30.15	54.00	-23.85	27.29	2.86	Average	---	---
2	4381.62	43.28	74.00	-30.72	40.42	2.86	Peak	---	---
3	5000.00	44.89	54.00	-9.11	39.58	5.31	Average	---	---
4	5000.00	51.18	74.00	-22.82	45.87	5.31	Peak	---	---
5	6078.38	33.17	54.00	-20.83	27.02	6.15	Average	---	---
6	6078.38	46.49	74.00	-27.51	40.34	6.15	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

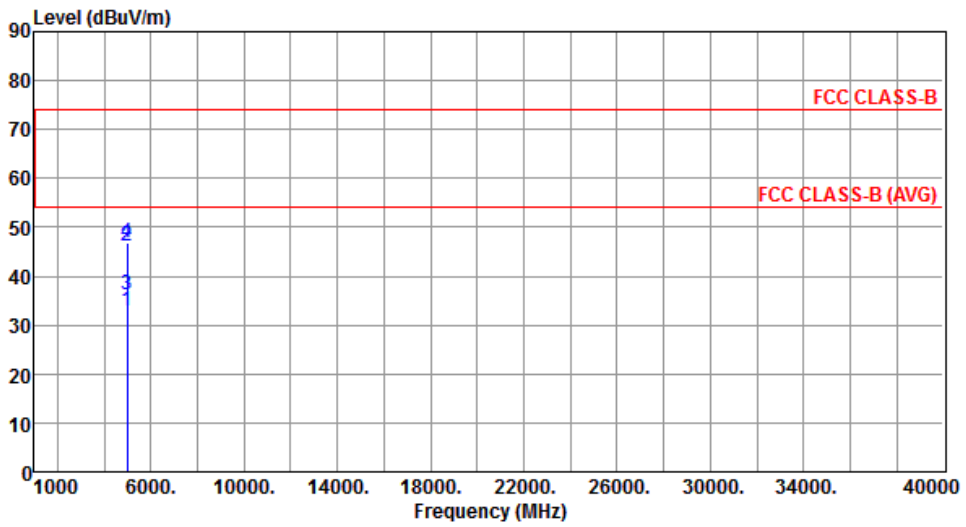
Modulation	LTE band 5 CB: 10M QPSK + 5G 11ac VHT40	Test Channel	CH26000 + CH46
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	4381.62	30.52	54.00	-23.48	27.66	2.86	Average	---	---
2	4381.62	43.78	74.00	-30.22	40.92	2.86	Peak	---	---
3	5000.00	42.82	54.00	-11.18	37.51	5.31	Average	---	---
4	5000.00	50.15	74.00	-23.85	44.84	5.31	Peak	---	---
5	6078.38	33.63	54.00	-20.37	27.48	6.15	Average	---	---
6	6078.38	46.68	74.00	-27.32	40.53	6.15	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

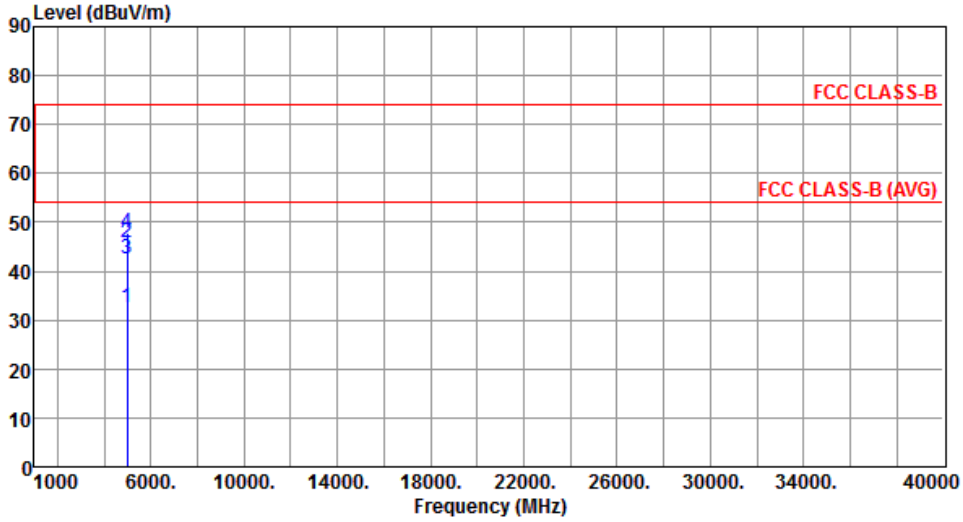
Modulation	LTE band 7 CB: 20M QPSK + 2.4G 11g	Test Channel	CH21100 + CH6
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	4980.90	32.85	54.00	-21.15	27.59	5.26	Average	---	---
2	4980.90	46.26	74.00	-27.74	41.00	5.26	Peak	---	---
3	5000.00	36.09	54.00	-17.91	30.78	5.31	Average	---	---
4	5000.00	46.99	74.00	-27.01	41.68	5.31	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

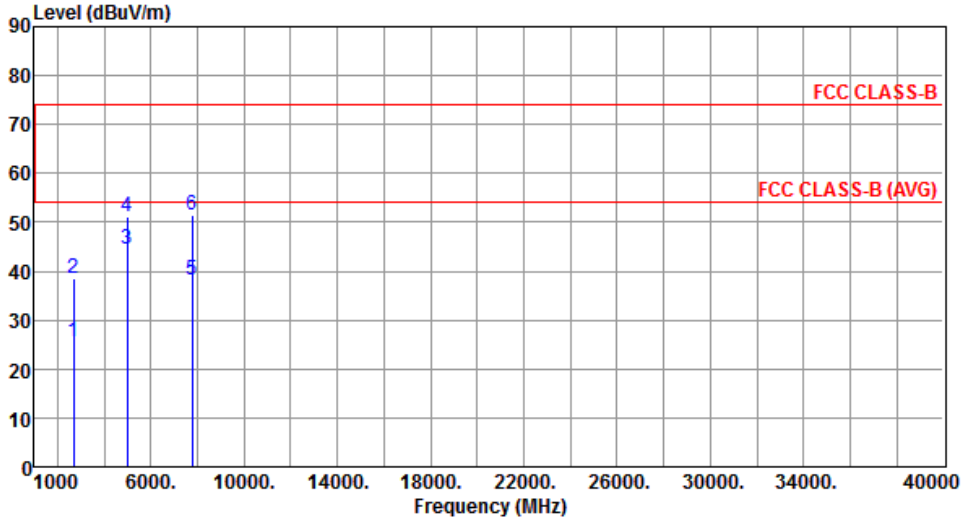
Modulation	LTE band 7 CB: 20M QPSK + 2.4G 11g	Test Channel	CH21100 + CH6
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	4980.90	32.65	54.00	-21.35	27.39	5.26	Average	---	---
2	4980.90	45.91	74.00	-28.09	40.65	5.26	Peak	---	---
3	5000.00	42.41	54.00	-11.59	37.10	5.31	Average	---	---
4	5000.00	47.94	74.00	-26.06	42.63	5.31	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

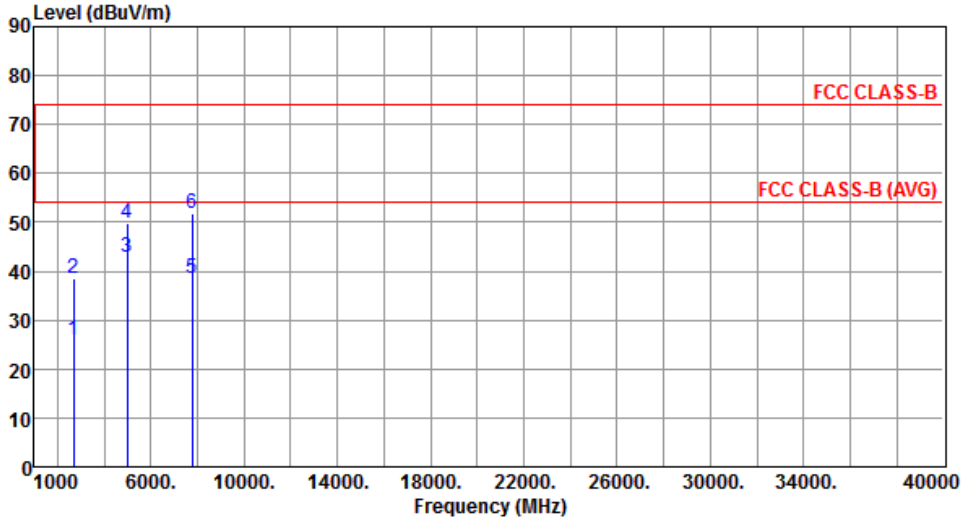
Modulation	LTE band 7 CB: 20M QPSK + 5G 11ac VHT40	Test Channel	CH21100 + CH46
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2686.10	25.64	54.00	-28.36	27.73	-2.09	Average	---	---
2	2686.10	38.36	74.00	-35.64	40.45	-2.09	Peak	---	---
3	5000.00	44.40	54.00	-9.60	39.09	5.31	Average	---	---
4	5000.00	51.12	74.00	-22.88	45.81	5.31	Peak	---	---
5	7773.90	38.16	54.00	-15.84	28.13	10.03	Average	---	---
6	7773.90	51.33	74.00	-22.67	41.30	10.03	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

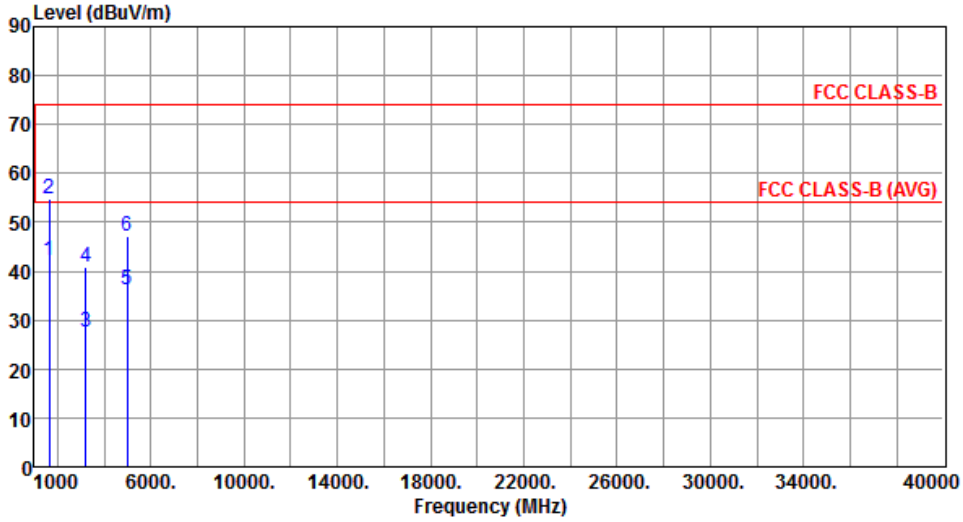
Modulation	LTE band 7 CB: 20M QPSK + 5G 11ac VHT40	Test Channel	CH21100 + CH46
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	2686.10	25.80	54.00	-28.20	27.89	-2.09	Average	---	---
2	2686.10	38.66	74.00	-35.34	40.75	-2.09	Peak	---	---
3	5000.00	42.82	54.00	-11.18	37.51	5.31	Average	---	---
4	5000.00	49.67	74.00	-24.33	44.36	5.31	Peak	---	---
5	7773.90	38.45	54.00	-15.55	28.42	10.03	Average	---	---
6	7773.90	51.77	74.00	-22.23	41.74	10.03	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

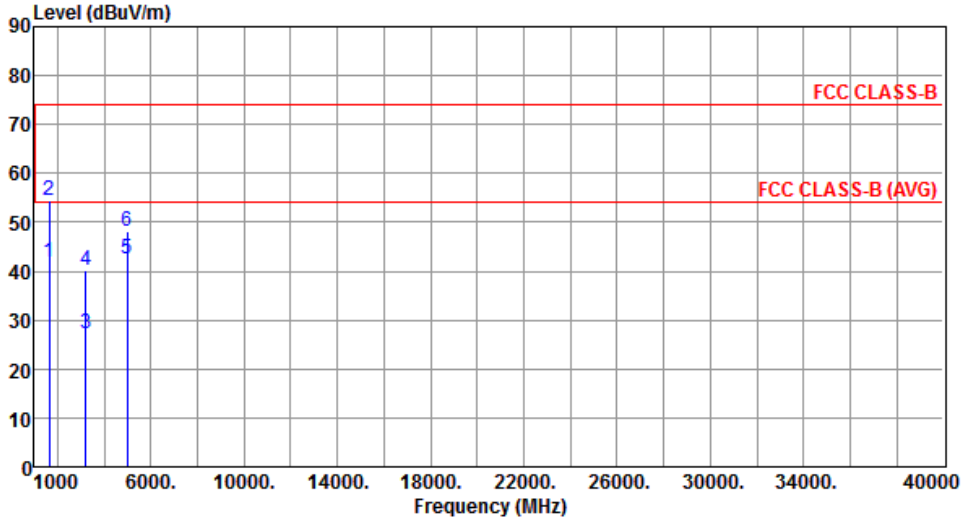
Modulation	LTE band 13 CB: 10M QPSK + 2.4G 11g	Test Channel	CH23230 + CH6
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1650.64	42.16	54.00	-11.84	48.21	-6.05	Average	---	---
2	1650.64	54.69	74.00	-19.31	60.74	-6.05	Peak	---	---
3	3223.36	27.71	54.00	-26.29	28.62	-0.91	Average	---	---
4	3223.36	40.92	74.00	-33.08	41.83	-0.91	Peak	---	---
5	5000.00	36.25	54.00	-17.75	30.94	5.31	Average	---	---
6	5000.00	47.13	74.00	-26.87	41.82	5.31	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

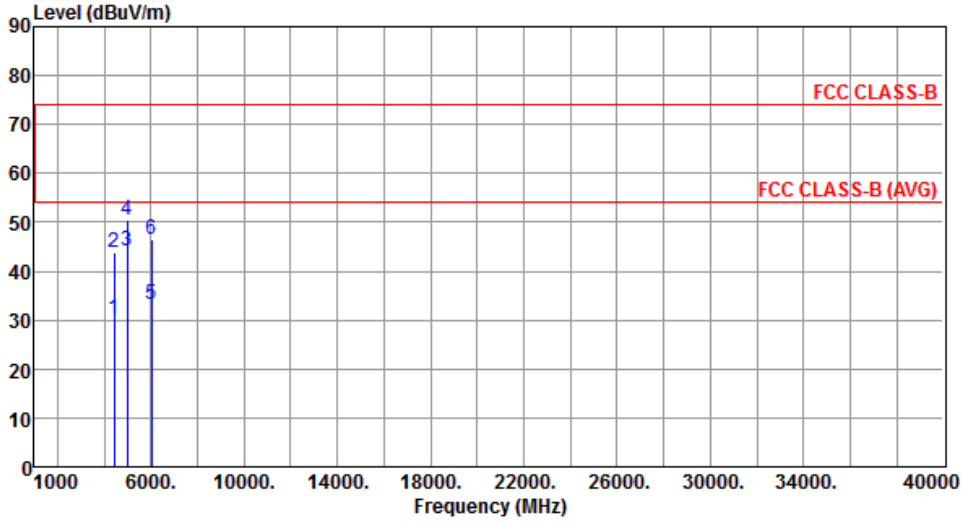
Modulation	LTE band 13 CB: 10M QPSK + 2.4G 11g	Test Channel	CH23230 + CH6
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1650.64	41.89	54.00	-12.11	47.94	-6.05	Average	---	---
2	1650.64	54.62	74.00	-19.38	60.67	-6.05	Peak	---	---
3	3223.36	27.13	54.00	-26.87	28.04	-0.91	Average	---	---
4	3223.36	40.24	74.00	-33.76	41.15	-0.91	Peak	---	---
5	5000.00	42.66	54.00	-11.34	37.35	5.31	Average	---	---
6	5000.00	48.12	74.00	-25.88	42.81	5.31	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

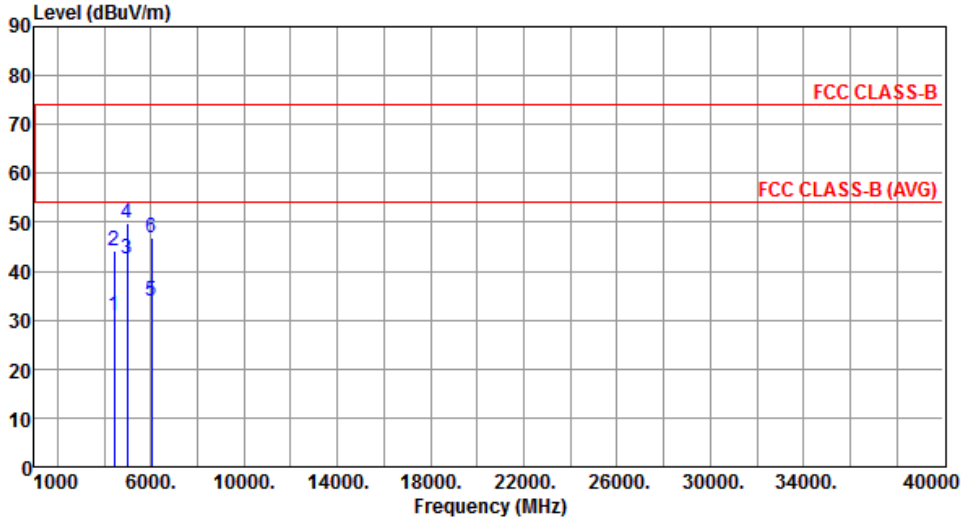
Modulation	LTE band 13 CB: 10M QPSK + 5G 11ac VHT40	Test Channel	CH23230 + CH46
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	4443.64	30.27	54.00	-23.73	27.13	3.14	Average	---	---
2	4443.64	43.67	74.00	-30.33	40.53	3.14	Peak	---	---
3	5000.00	44.10	54.00	-9.90	38.79	5.31	Average	---	---
4	5000.00	50.55	74.00	-23.45	45.24	5.31	Peak	---	---
5	6016.36	33.26	54.00	-20.74	27.18	6.08	Average	---	---
6	6016.36	46.65	74.00	-27.35	40.57	6.08	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

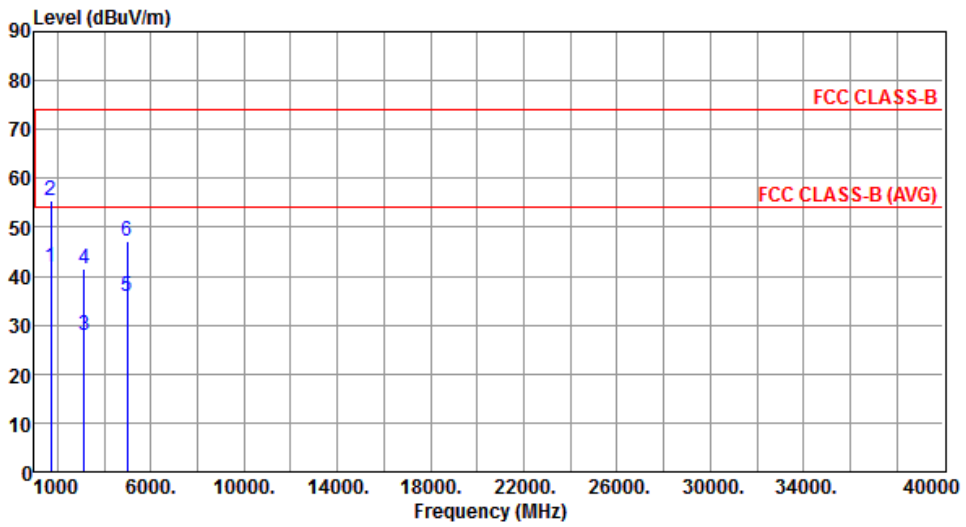
Modulation	LTE band 13 CB: 10M QPSK + 5G 11ac VHT40	Test Channel	CH23230 + CH46
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	4443.64	30.95	54.00	-23.05	27.81	3.14	Average	---	---
2	4443.64	44.10	74.00	-29.90	40.96	3.14	Peak	---	---
3	5000.00	42.39	54.00	-11.61	37.08	5.31	Average	---	---
4	5000.00	49.84	74.00	-24.16	44.53	5.31	Peak	---	---
5	6016.36	33.79	54.00	-20.21	27.71	6.08	Average	---	---
6	6016.36	46.97	74.00	-27.03	40.89	6.08	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

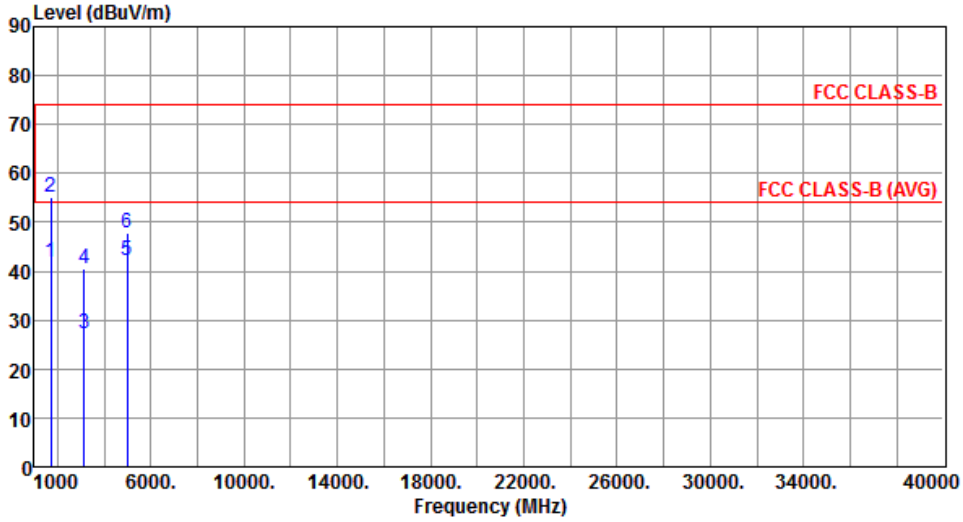
Modulation	LTE band 17 CB: 10M QPSK + 2.4G 11g	Test Channel	CH23800 + CH6
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1721.49	41.86	54.00	-12.14	47.63	-5.77	Average	---	---
2	1721.49	55.32	74.00	-18.68	61.09	-5.77	Peak	---	---
3	3152.51	27.95	54.00	-26.05	28.97	-1.02	Average	---	---
4	3152.51	41.61	74.00	-32.39	42.63	-1.02	Peak	---	---
5	5000.00	35.84	54.00	-18.16	30.53	5.31	Average	---	---
6	5000.00	47.25	74.00	-26.75	41.94	5.31	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

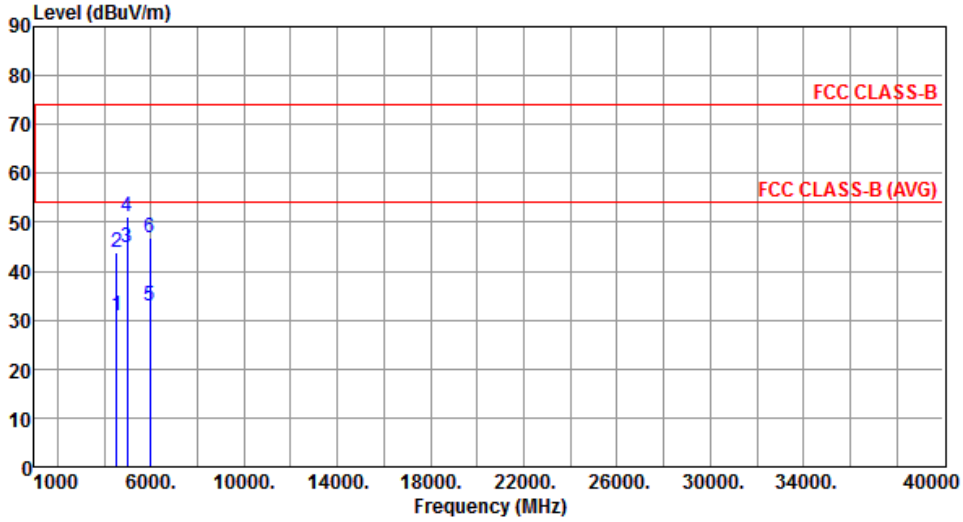
Modulation	LTE band 17 CB: 10M QPSK + 2.4G 11g	Test Channel	CH23800 + CH6
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1721.49	42.01	54.00	-11.99	47.78	-5.77	Average	---	---
2	1721.49	55.28	74.00	-18.72	61.05	-5.77	Peak	---	---
3	3152.51	27.33	54.00	-26.67	28.35	-1.02	Average	---	---
4	3152.51	40.65	74.00	-33.35	41.67	-1.02	Peak	---	---
5	5000.00	42.20	54.00	-11.80	36.89	5.31	Average	---	---
6	5000.00	47.86	74.00	-26.14	42.55	5.31	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

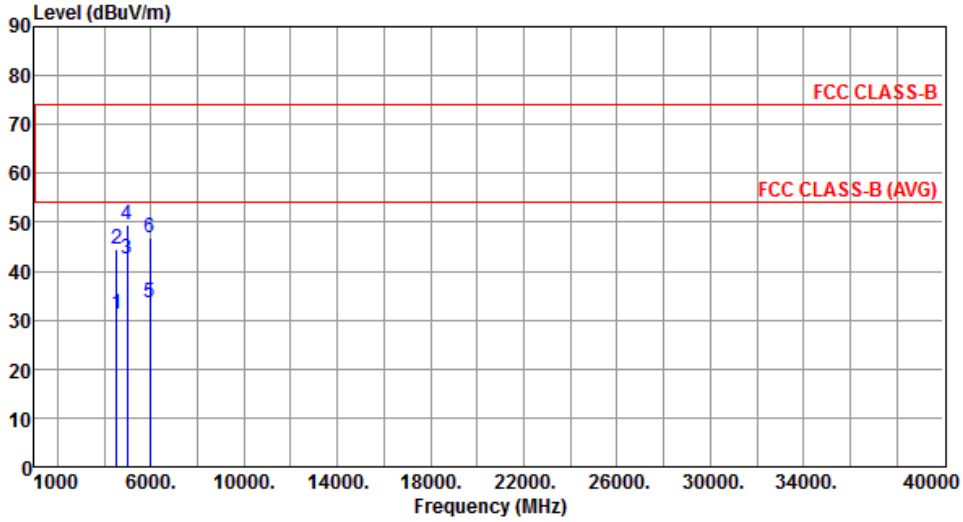
Modulation	LTE band 17 CB: 10M QPSK + 5G 11ac VHT40	Test Channel	CH23800 + CH46
Polarization	Horizontal		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	4514.49	30.75	54.00	-23.25	27.23	3.52	Average	---	---
2	4514.49	43.80	74.00	-30.20	40.28	3.52	Peak	---	---
3	5000.00	44.79	54.00	-9.21	39.48	5.31	Average	---	---
4	5000.00	51.27	74.00	-22.73	45.96	5.31	Peak	---	---
5	5945.51	32.98	54.00	-21.02	27.04	5.94	Average	---	---
6	5945.51	46.82	74.00	-27.18	40.88	5.94	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

Modulation	LTE band 17 CB: 10M QPSK + 5G 11ac VHT40	Test Channel	CH23800 + CH46
Polarization	Vertical		



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	4514.49	31.35	54.00	-22.65	27.83	3.52	Average	---	---
2	4514.49	44.49	74.00	-29.51	40.97	3.52	Peak	---	---
3	5000.00	42.65	54.00	-11.35	37.34	5.31	Average	---	---
4	5000.00	49.32	74.00	-24.68	44.01	5.31	Peak	---	---
5	5945.51	33.68	54.00	-20.32	27.74	5.94	Average	---	---
6	5945.51	46.79	74.00	-27.21	40.85	5.94	Peak	---	---

Note 1: Measured Value (dBm) = Reading (dBm) + Factor (dB)
Note 2: Margin (dB) = Measured Value (dBm) – Limit (dBm)

4 Test laboratory information

Established in 2012, ICC provides foremost EMC & RF Testing and advisory consultation services by our skilled engineers and technicians. Our services employ a wide variety of advanced edge test equipment and one of the widest certification extents in the business.

International Certification Corp, it is our definitive objective is to institute long term, trust-based associations with our clients. The expectation we set up with our clients is based on outstanding service, practical expertise and devotion to a certified value structure. Our passion is to grant our clients with best EMC / RF services by oriented knowledgeable and accommodating staff.

Our Test sites are located at Linkou District and Kwei Shan Hsiang. Location map can be found on our website http://www.icertifi.com.tw.

Linkou	**Kwei Shan**	**Kwei Shan Site II**
Tel: 886-2-2601-1640	Tel: 886-3-271-8666	Tel: 886-3-271-8640
No. 30-2, Ding Fwu Tsuen, Lin Kou District, New Taipei City, Taiwan, R.O.C.	No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan Hsiang, Tao Yuan Hsien 333, Taiwan, R.O.C.	No. 14-1, Lane 19, Wen San 3rd St., Kwei Shan Hsiang, Tao Yuan Hsien 333, Taiwan, R.O.C.

If you have any suggestion, please feel free to contact us as below information

Tel: 886-3-271-8666
Fax: 886-3-318-0155
Email: ICC_Service@icertifi.com.tw

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