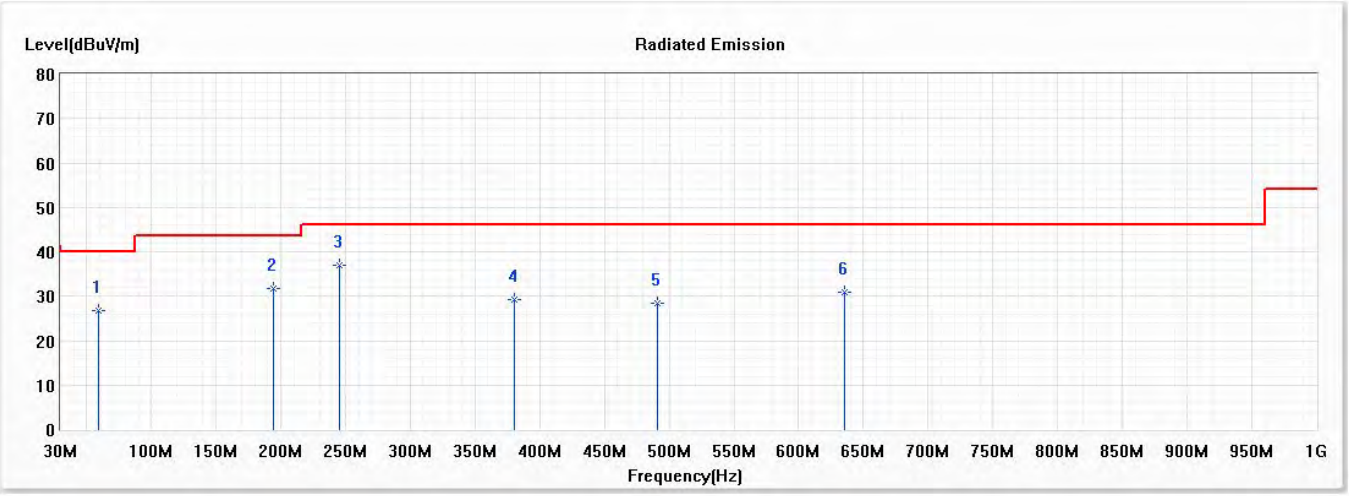
Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	General Radiated Emission
Test Mode	:	Mode 4: Transmit (802.11ac-80BW 36Mbps) (5210MHz)
Test Date	:	2020/10/23

Horizontal



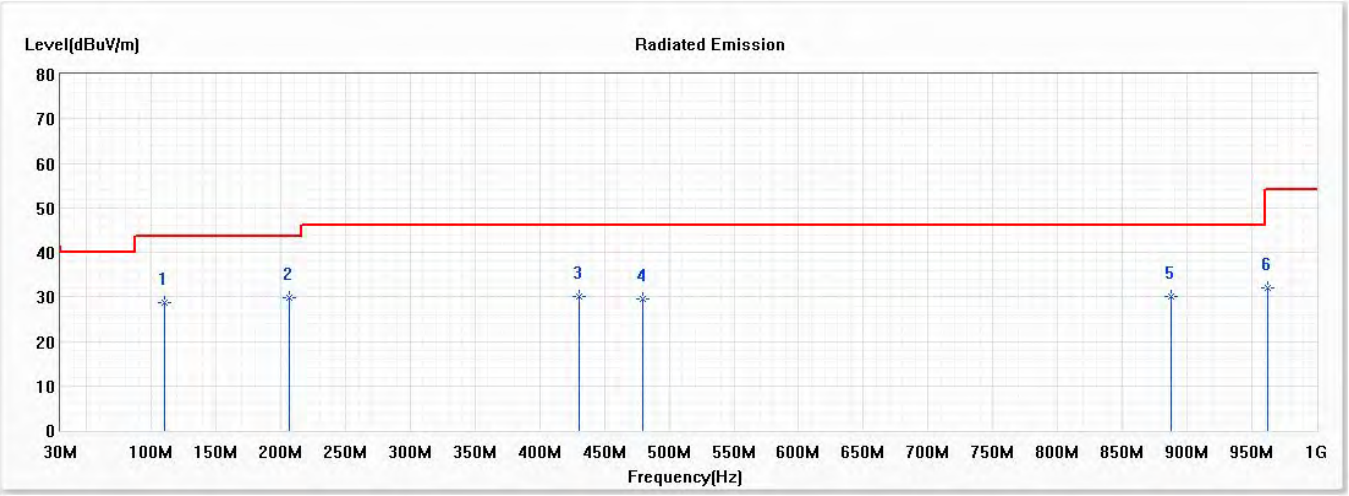
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	59.100	26.79	40.00	-13.21	37.62	-10.83	QP
2	193.930	31.65	43.50	-11.85	43.67	-12.02	QP
* 3	245.340	36.97	46.00	-9.03	47.89	-10.92	QP
4	380.170	29.30	46.00	-16.70	36.09	-6.79	QP
5	490.750	28.31	46.00	-17.69	32.93	-4.62	QP
6	635.280	30.84	46.00	-15.16	32.69	-1.85	QP

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	General Radiated Emission
Test Mode	:	Mode 4: Transmit (802.11ac-80BW 36Mbps) (5210MHz)
Test Date	:	2020/10/23

Vertical



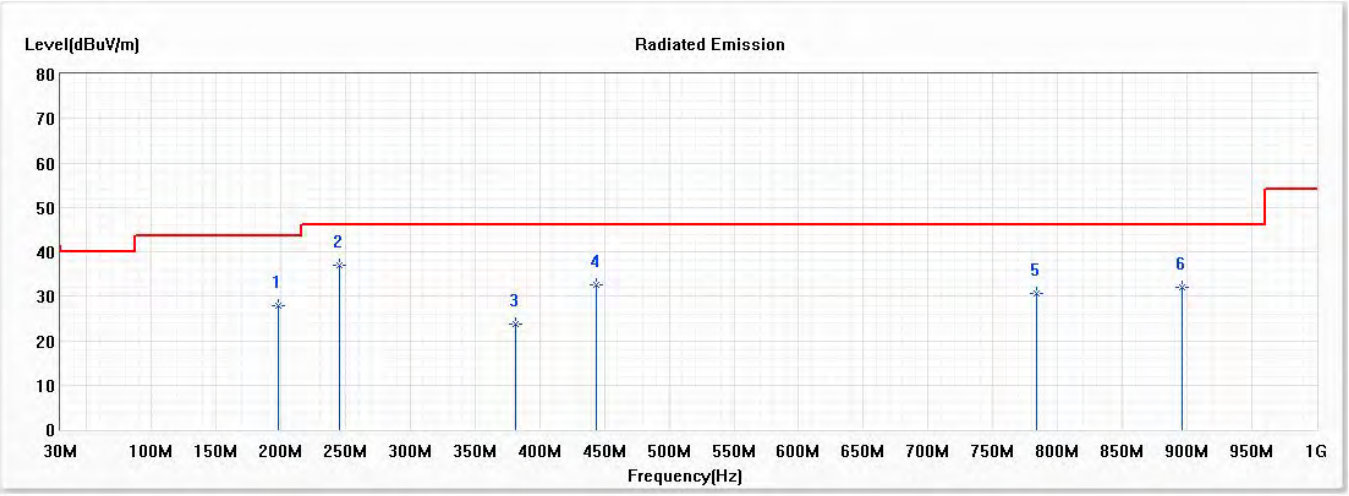
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	110.510	28.73	43.50	-14.77	42.43	-13.70	QP
* 2	206.540	29.76	43.50	-13.74	42.07	-12.31	QP
3	430.610	30.05	46.00	-15.95	35.87	-5.82	QP
4	479.110	29.50	46.00	-16.50	34.06	-4.56	QP
5	887.480	30.03	46.00	-15.97	28.54	1.49	QP
6	962.170	31.88	54.00	-22.12	29.16	2.72	QP

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	General Radiated Emission
Test Mode	:	Mode 4: Transmit (802.11ac-80BW 36Mbps) (5290MHz)
Test Date	:	2020/10/23

Horizontal



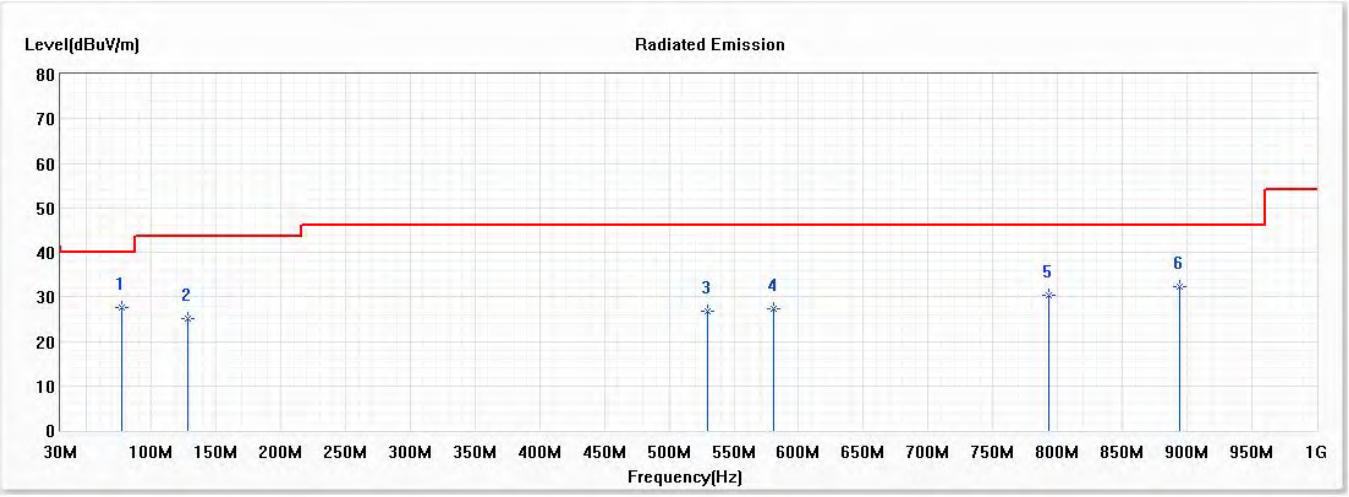
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	197.810	27.86	43.50	-15.64	40.03	-12.17	QP
* 2	245.340	36.97	46.00	-9.03	47.89	-10.92	QP
3	381.140	23.60	46.00	-22.40	30.39	-6.79	QP
4	443.220	32.63	46.00	-13.37	38.16	-5.53	QP
5	783.690	30.66	46.00	-15.34	30.09	0.57	QP
6	896.210	32.13	46.00	-13.87	30.36	1.77	QP

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	General Radiated Emission
Test Mode	:	Mode 4: Transmit (802.11ac-80BW 36Mbps) (5290MHz)
Test Date	:	2020/10/23

Vertical



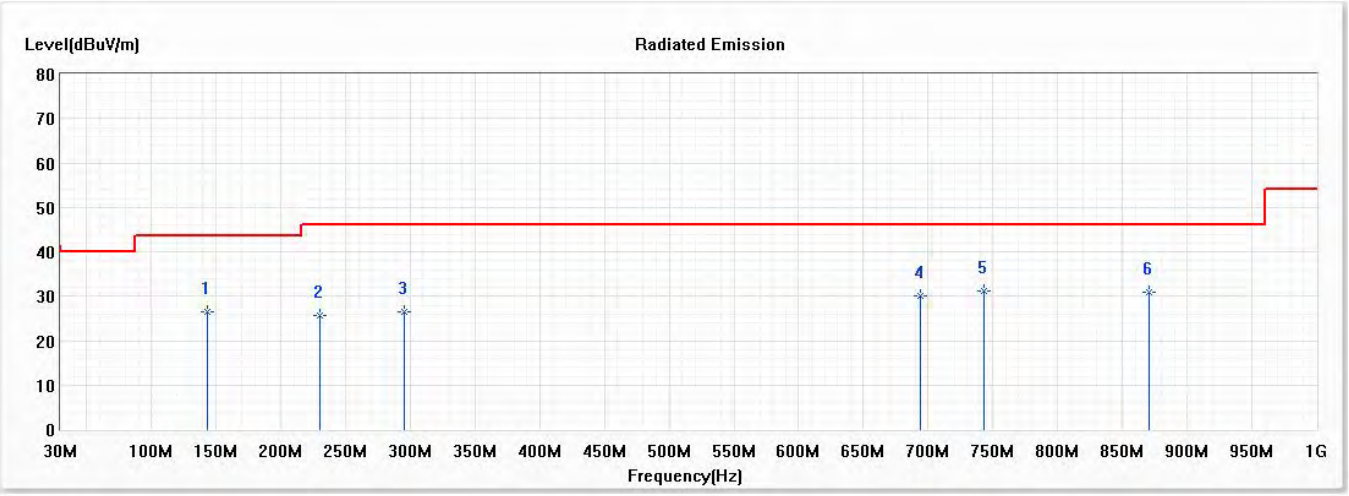
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	77.530	27.53	40.00	-12.47	41.85	-14.32	QP
2	127.970	25.01	43.50	-18.49	37.36	-12.35	QP
3	529.550	26.88	46.00	-19.12	30.72	-3.84	QP
4	580.960	27.42	46.00	-18.58	30.27	-2.85	QP
5	793.390	30.22	46.00	-15.78	29.56	0.66	QP
6	894.270	32.29	46.00	-13.71	30.57	1.72	QP

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	General Radiated Emission
Test Mode	:	Mode 4: Transmit (802.11ac-80BW 36Mbps) (5530MHz)
Test Date	:	2020/10/23

Horizontal



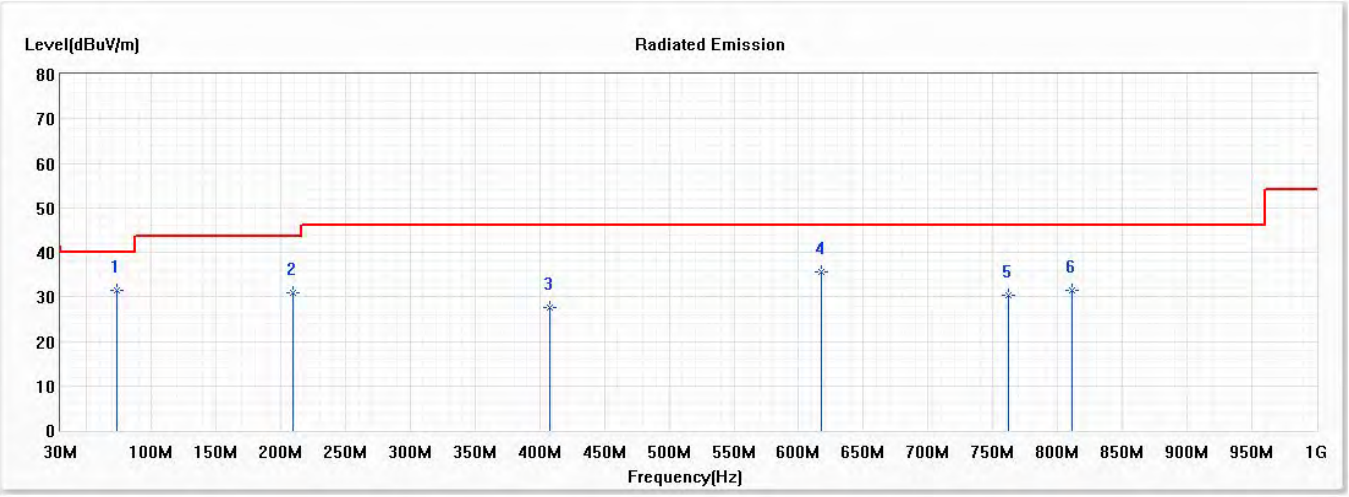
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	143.490	26.48	43.50	-17.02	37.05	-10.57	QP
2	229.820	25.73	46.00	-20.27	37.36	-11.63	QP
3	295.780	26.43	46.00	-19.57	35.61	-9.18	QP
4	694.450	29.99	46.00	-16.01	31.28	-1.29	QP
* 5	742.950	31.11	46.00	-14.89	31.19	-0.08	QP
6	870.990	30.84	46.00	-15.16	29.58	1.26	QP

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	General Radiated Emission
Test Mode	:	Mode 4: Transmit (802.11ac-80BW 36Mbps) (5530MHz)
Test Date	:	2020/10/23

Vertical



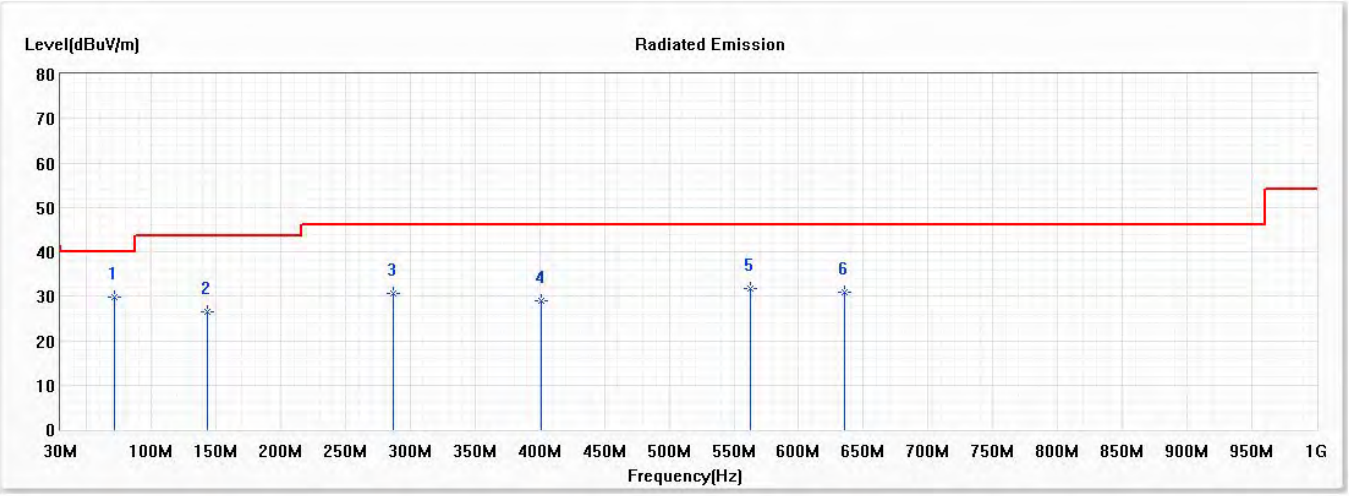
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	73.650	31.41	40.00	-8.59	44.97	-13.56	QP
2	209.450	30.86	43.50	-12.64	43.10	-12.24	QP
3	407.330	27.51	46.00	-18.49	33.92	-6.41	QP
4	617.820	35.63	46.00	-10.37	37.67	-2.04	QP
5	762.350	30.42	46.00	-15.58	30.15	0.27	QP
6	810.850	31.48	46.00	-14.52	30.76	0.72	QP

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	General Radiated Emission
Test Mode	:	Mode 4: Transmit (802.11ac-80BW 36Mbps) (5775MHz)
Test Date	:	2020/10/23

Horizontal



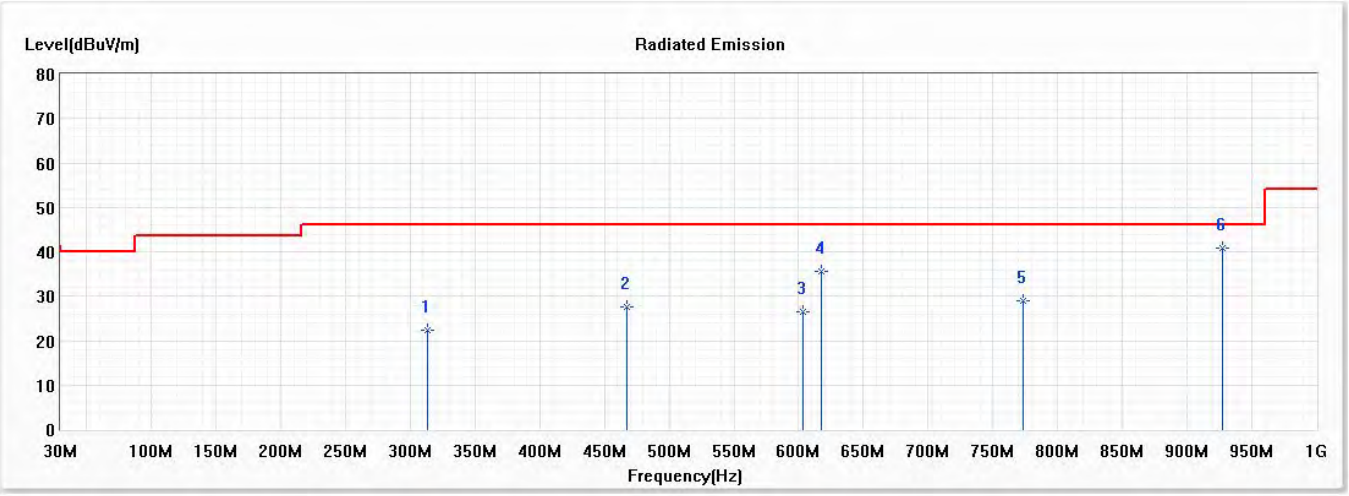
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	71.710	29.75	40.00	-10.25	42.92	-13.17	QP
2	143.490	26.48	43.50	-17.02	37.05	-10.57	QP
3	287.050	30.74	46.00	-15.26	39.99	-9.25	QP
4	401.510	29.05	46.00	-16.95	35.53	-6.48	QP
5	562.530	31.61	46.00	-14.39	34.84	-3.23	QP
6	635.280	30.84	46.00	-15.16	32.69	-1.85	QP

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	General Radiated Emission
Test Mode	:	Mode 4: Transmit (802.11ac-80BW 36Mbps) (5775MHz)
Test Date	:	2020/10/23

Vertical



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	313.240	22.30	46.00	-23.70	30.81	-8.51	QP
2	467.470	27.71	46.00	-18.29	32.55	-4.84	QP
3	603.270	26.47	46.00	-19.53	28.59	-2.12	QP
4	617.820	35.63	46.00	-10.37	37.67	-2.04	QP
5	773.020	28.88	46.00	-17.12	28.54	0.34	QP
* 6	927.250	40.85	46.00	-5.15	38.87	1.98	QP

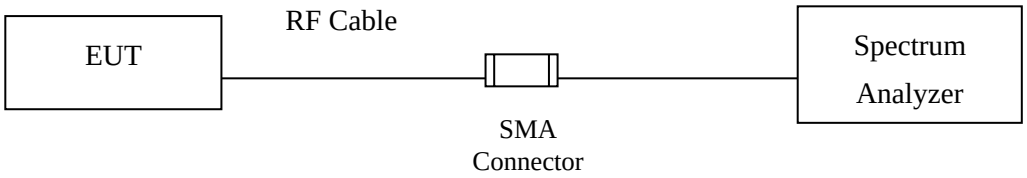
Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

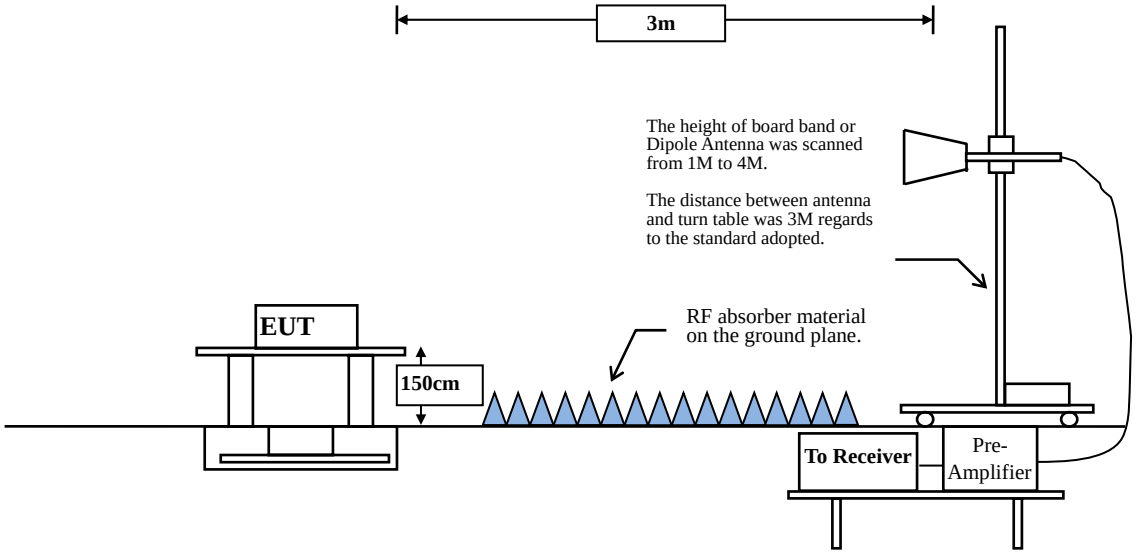
6. Band Edge

6.1. Test Setup

RF Conducted Measurement:



RF Radiated Measurement:



6.2. Limits

The provisions of Section 15.205 of this part apply to intentional radiators operating under this section.

Radiated emissions which fall in the restricted bands, as defined in Section 15.205, must also comply with the radiated emission limits specified in Section 15.209:

FCC Part 15 Subpart C Paragraph 15.209 Limits		
Frequency MHz	uV/m @3m	dBμV/m@3m
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

Remarks : 1. RF Voltage (dBμV) = 20 log RF Voltage (uV)

2. In the Above Table, the tighter limit applies at the band edges.

3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

15.407 (b) Undesirable emission limits. The maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

(2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

(3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

(4) For transmitters operating in the 5.725-5.85 GHz band:

(i) All emissions shall be limited to a level of −27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

According to ANSI C63.10:2013 section 12.7.3 on radiated measurement.

EIRP[dBm] = E[dBμV/3m] - 95.2

-27dBm = 68.22dBuv	15.6dBm = 110.8 dBuV
10dBm = 105.2dBuv	27dBm = 122.2 dBuV

6.3. Test Procedure

The EUT is placed on a turn table which is 1.5 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10:2013 on radiated measurement.

The bandwidth below 1GHz setting on the field strength meter is 120 kHz, above 1GHz are 1 MHz.

The EUT was setup to ANSI C63.10, 2013; tested to UNII test procedure of FCC KDB-789033 for compliance to FCC 47CFR Subpart E requirements.

RBW and VBW Parameter setting:

According to KDB 789033 section II.G.5 Procedure for Unwanted Maximum Emissions Measurements above 1000 MHz.

RBW = 1MHz.

VBW ≥ 3MHz.

According to KDB 789033 section II.G.6 Procedures for Average Unwanted Emissions Measurements above 1000 MHz.

RBW = 1MHz.

VBW = 10Hz, when duty cycle ≥ 98 %

VBW ≥ 1/T, when duty cycle < 98 %

(T refers to the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.)

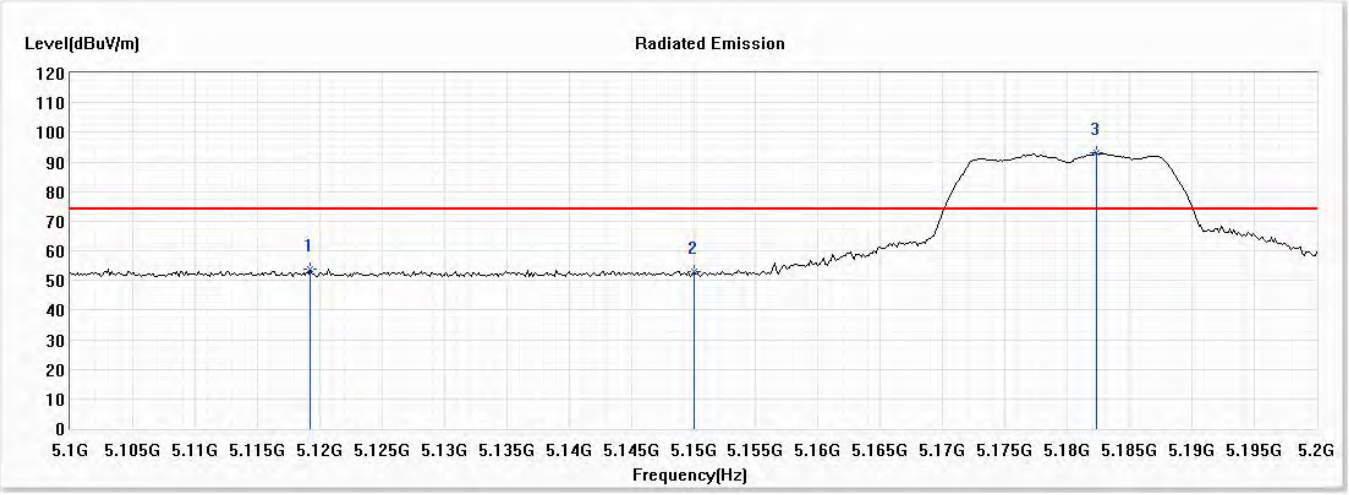
5GHz band	Duty Cycle (%)	T (ms)	1/T (Hz)	VBW (Hz)
802.11a	100.00	--	--	10
802.11n20	100.00	--	--	10
802.11n40	100.00	--	--	10
802.11ac80	100.00	--	--	10

Note: Duty Cycle Refer to Section 8

6.4. Test Result of Band Edge

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 1: Transmit (802.11a 6Mbps) (5180MHz)
Test Date	:	2020/10/19

Horizontal



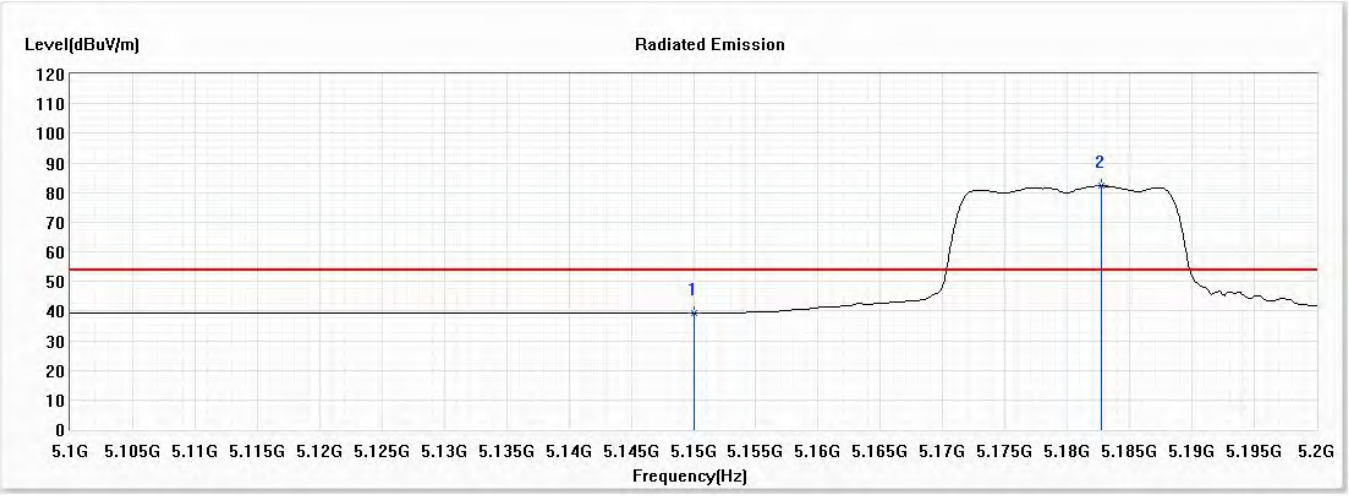
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5119.275	53.99	74.00	-20.01	37.91	16.08	PK
2	5150.000	52.84	74.00	-21.16	36.81	16.03	PK
3	5182.319	93.19	--	--	76.96	16.23	PK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 1: Transmit (802.11a 6Mbps) (5180MHz)
Test Date	:	2020/10/19

Horizontal



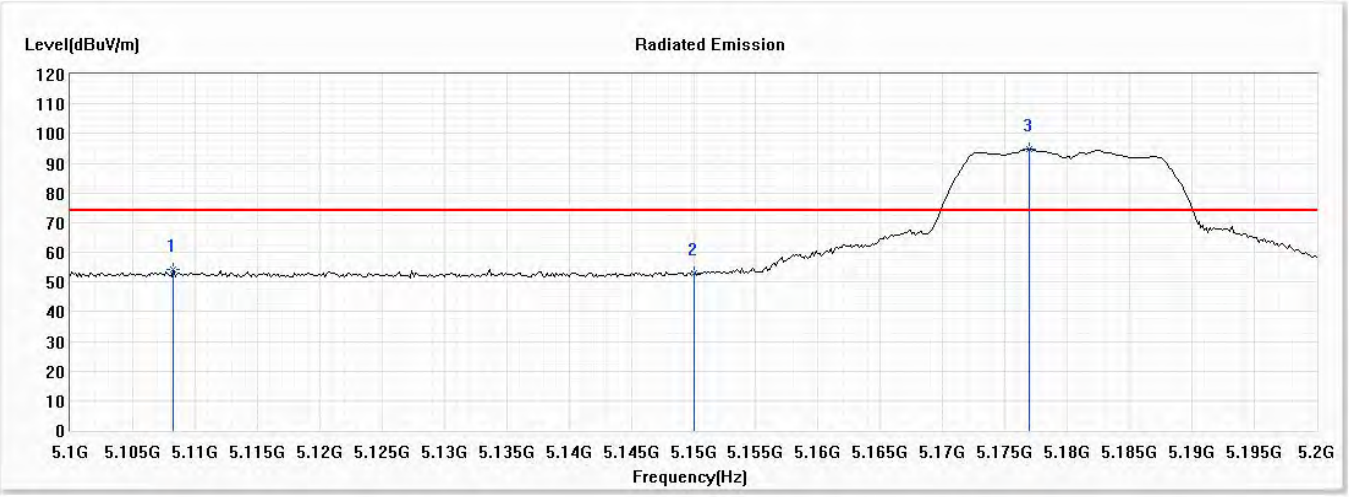
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5150.000	39.35	54.00	-14.65	23.32	16.03	AV
2	5182.754	82.19	--	--	65.95	16.24	AV

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 1: Transmit (802.11a 6Mbps) (5180MHz)
Test Date	:	2020/10/19

Vertical



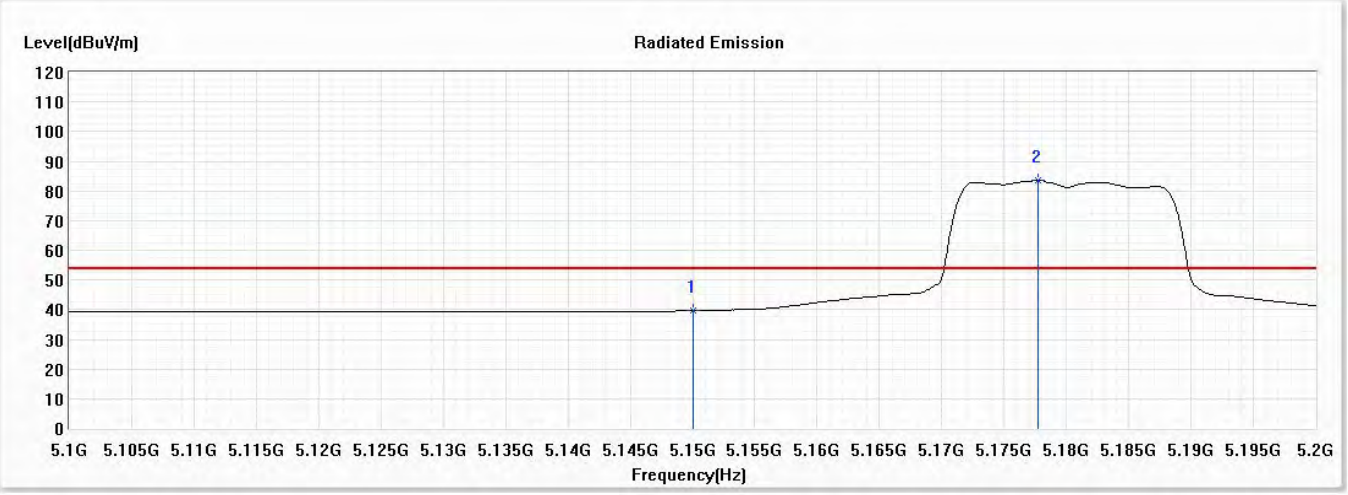
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5108.261	54.17	74.00	-19.83	38.11	16.06	PK
2	5150.000	53.06	74.00	-20.94	37.03	16.03	PK
3	5176.957	94.91	--	--	78.70	16.21	PK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 1: Transmit (802.11a 6Mbps) (5180MHz)
Test Date	:	2020/10/19

Vertical



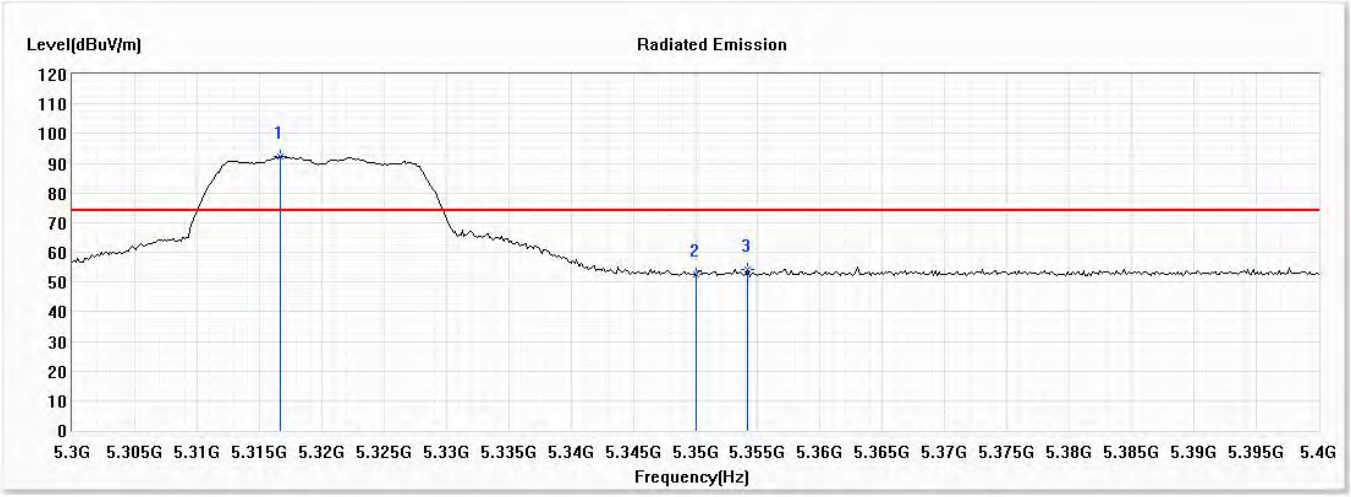
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5150.000	39.64	54.00	-14.36	23.61	16.03	AV
2	5177.681	83.54	--	--	67.33	16.21	AV

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 1: Transmit (802.11a 6Mbps) (5320MHz)
Test Date	:	2020/10/19

Horizontal



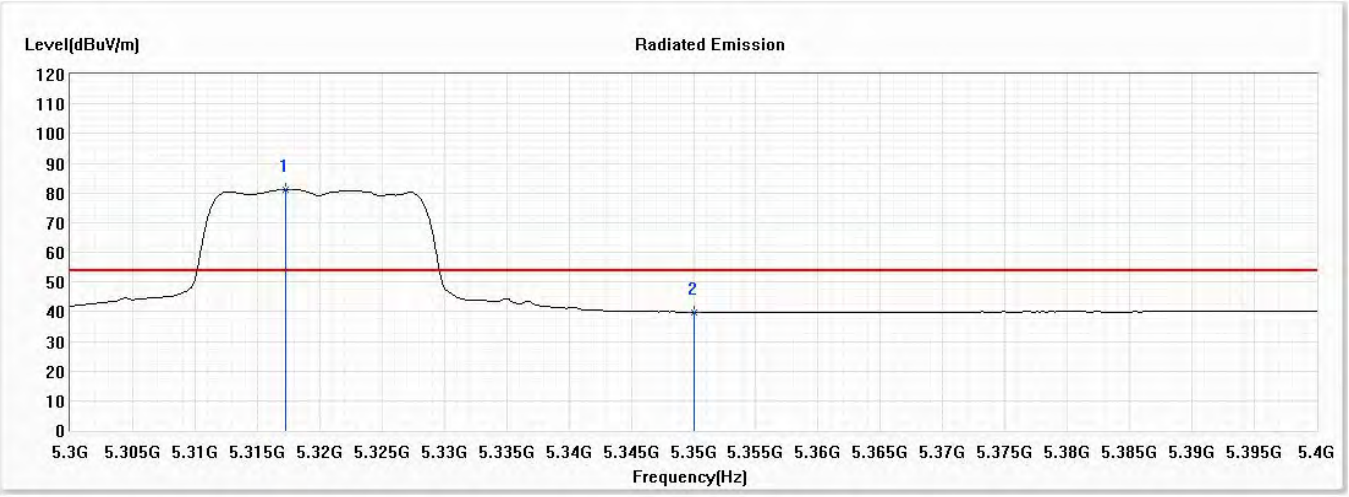
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5316.667	92.31	--	--	75.69	16.62	PK
2	5350.000	52.55	74.00	-21.45	35.92	16.63	PK
3	5354.203	54.39	74.00	-19.61	37.73	16.66	PK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 1: Transmit (802.11a 6Mbps) (5320MHz)
Test Date	:	2020/10/19

Horizontal



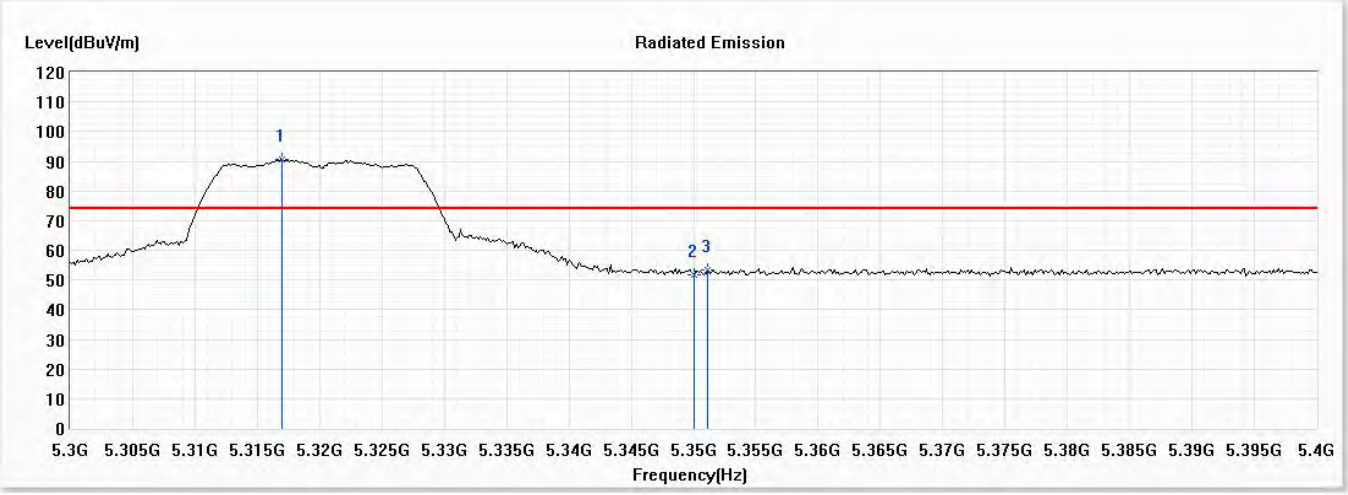
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5317.246	81.20	--	--	64.58	16.62	AV
2	5350.000	39.90	54.00	-14.10	23.27	16.63	AV

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 1: Transmit (802.11a 6Mbps) (5320MHz)
Test Date	:	2020/10/19

Vertical



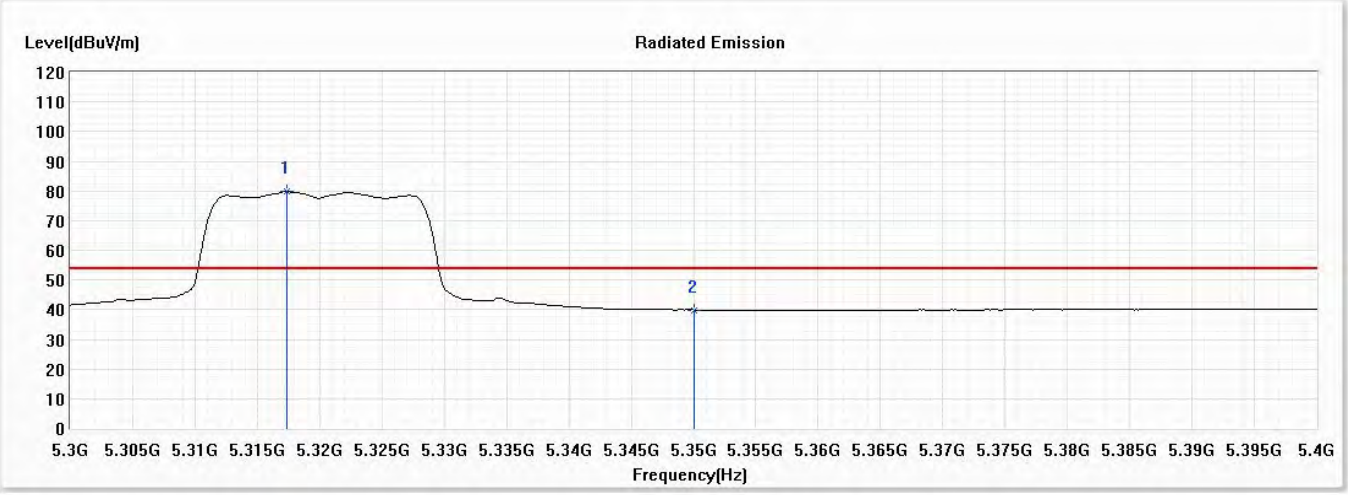
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5316.957	90.77	--	--	74.15	16.62	PK
2	5350.000	51.75	74.00	-22.25	35.12	16.63	PK
3	5351.159	53.39	74.00	-20.61	36.75	16.64	PK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 1: Transmit (802.11a 6Mbps) (5320MHz)
Test Date	:	2020/10/19

Vertical



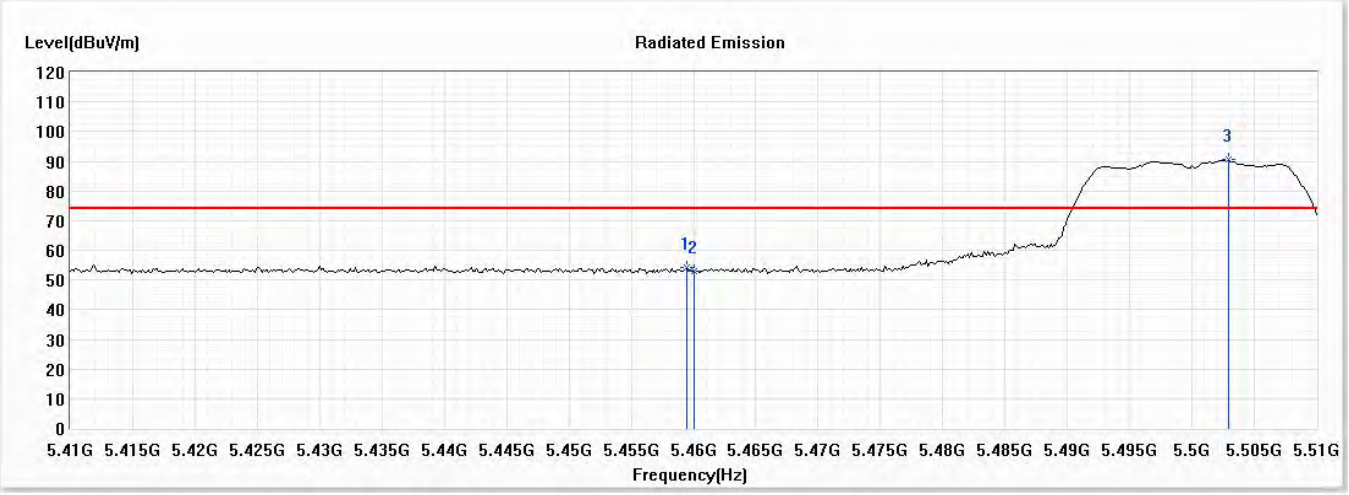
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5317.391	79.85	--	--	63.23	16.62	AV
2	5350.000	39.92	54.00	-14.08	23.29	16.63	AV

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 1: Transmit (802.11a 6Mbps) (5500MHz)
Test Date	:	2020/10/20

Horizontal



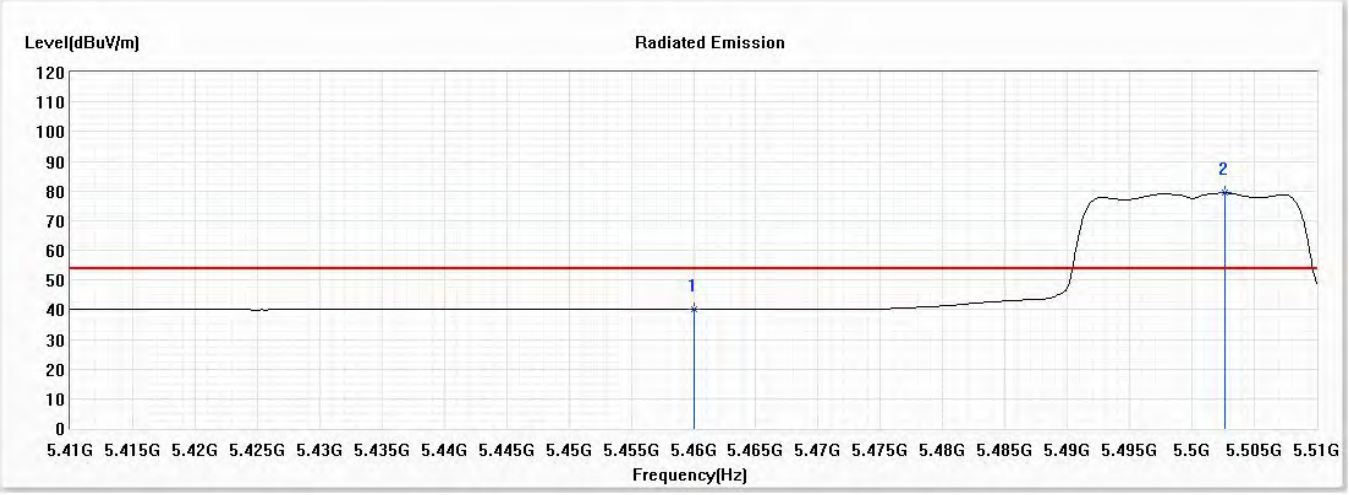
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5459.420	54.30	74.00	-19.70	37.40	16.90	PK
2	5460.000	53.17	74.00	-20.83	36.27	16.90	PK
3	5502.899	90.49	--	--	73.44	17.05	PK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 1: Transmit (802.11a 6Mbps) (5500MHz)
Test Date	:	2020/10/20

Horizontal



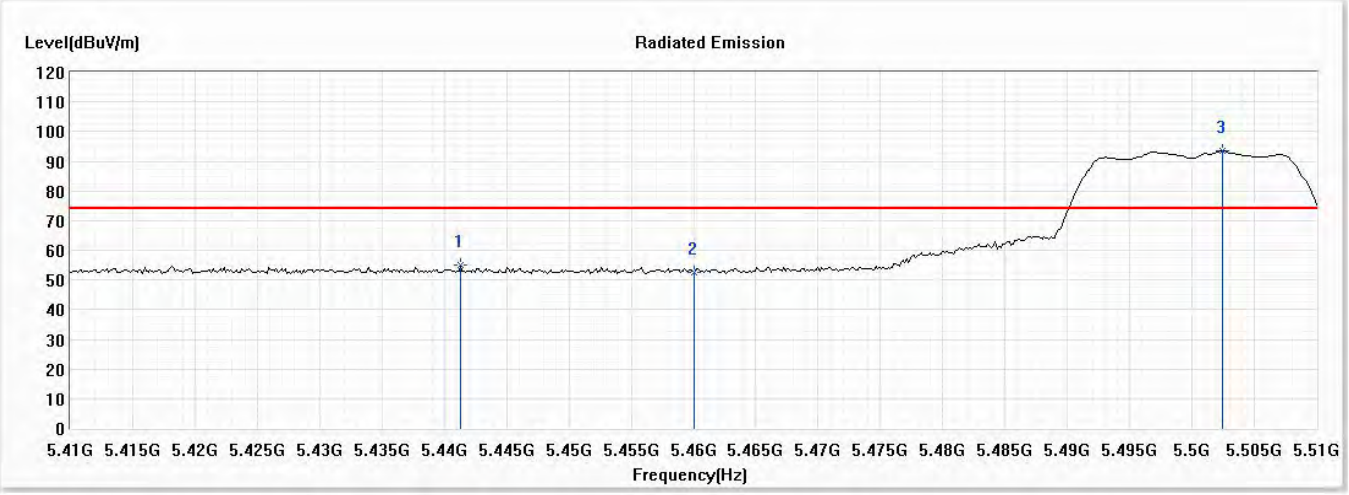
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5460.000	40.03	54.00	-13.97	23.13	16.90	AV
2	5502.609	79.27	--	--	62.22	17.05	AV

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 1: Transmit (802.11a 6Mbps) (5500MHz)
Test Date	:	2020/10/20

Vertical



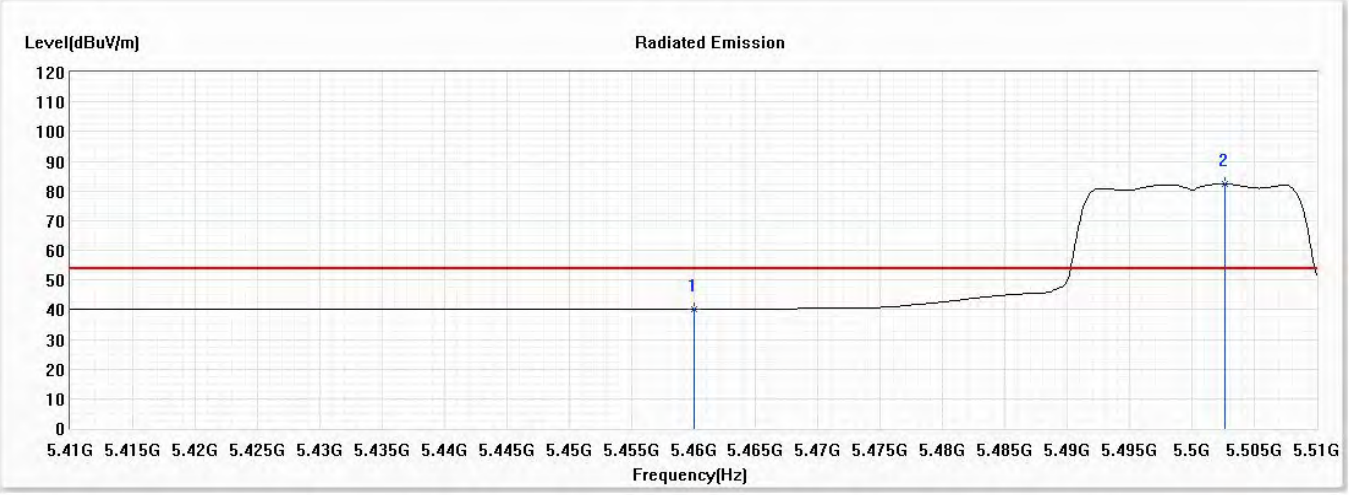
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5441.304	55.16	74.00	-18.84	38.25	16.91	PK
2	5460.000	52.66	74.00	-21.34	35.76	16.90	PK
3	5502.464	93.46	--	--	76.41	17.05	PK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 1: Transmit (802.11a 6Mbps) (5500MHz)
Test Date	:	2020/10/20

Vertical



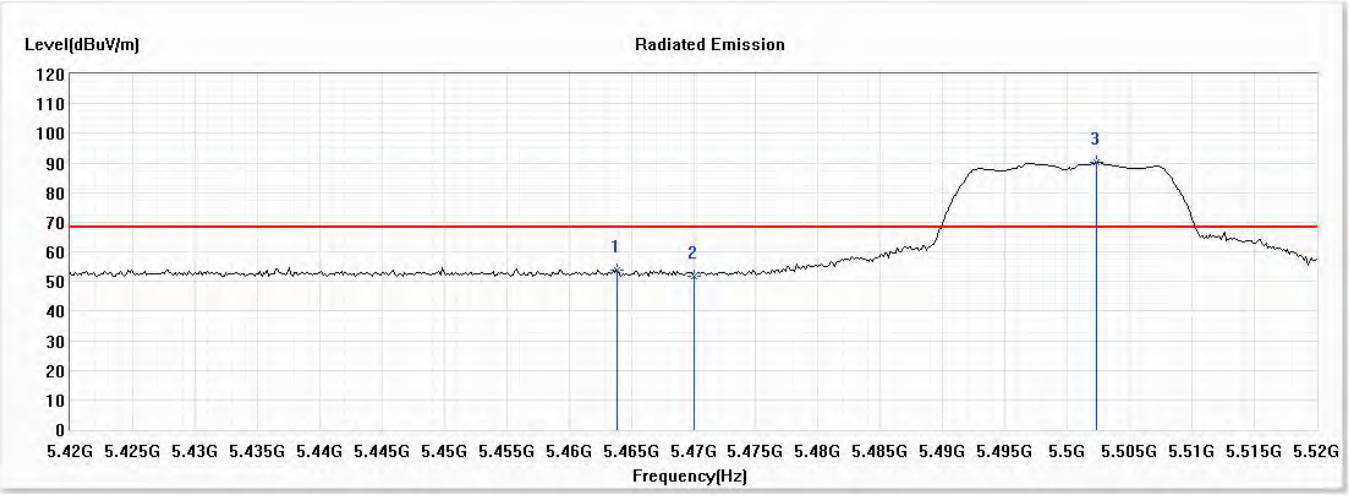
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5460.000	40.08	54.00	-13.92	23.18	16.90	AV
2	5502.609	82.39	--	--	65.34	17.05	AV

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 1: Transmit (802.11a 6Mbps) (5500MHz)
Test Date	:	2020/10/20

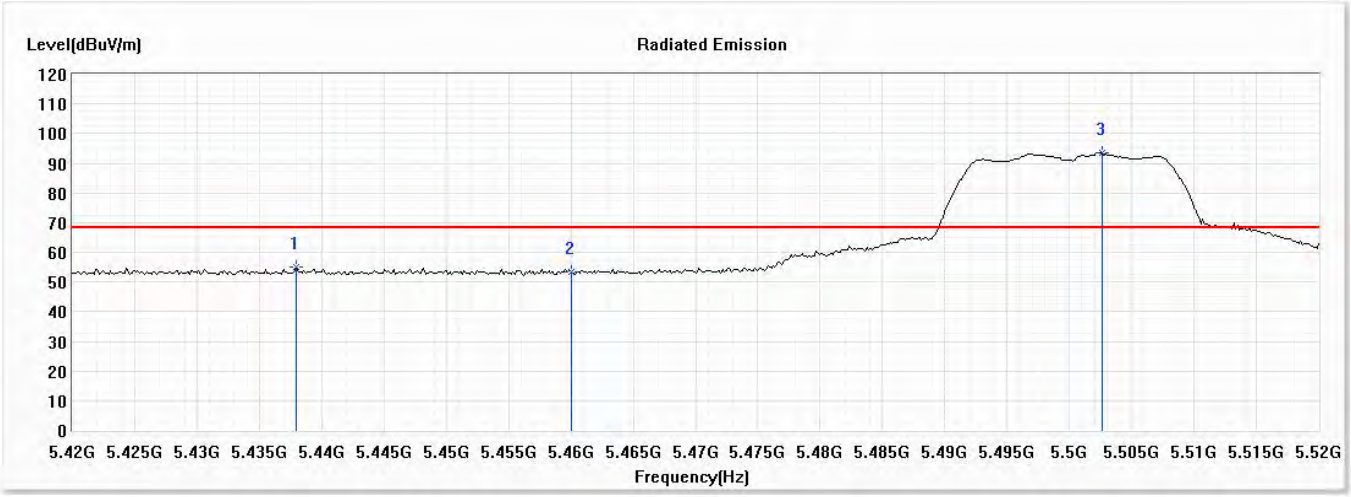
Horizontal



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5463.913	53.59	68.22	-14.63	36.68	16.91	PK
2	5470.000	51.65	68.22	-16.57	34.72	16.93	PK
3	5502.319	90.38	--	--	73.33	17.05	PK

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 1: Transmit (802.11a 6Mbps) (5500MHz)
Test Date	:	2020/10/20

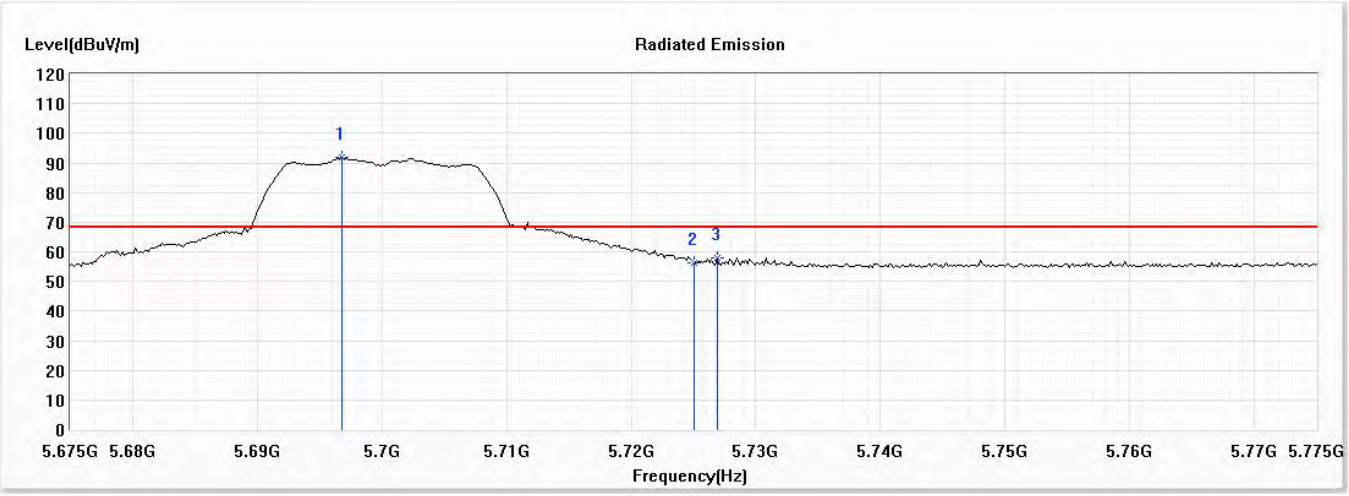
Vertical



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5437.971	54.94	68.22	-13.28	38.03	16.91	PK
2	5460.000	53.26	68.22	-14.96	36.36	16.90	PK
3	5502.609	93.61	--	--	76.56	17.05	PK

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 1: Transmit (802.11a 6Mbps) (5700MHz)
Test Date	:	2020/10/20

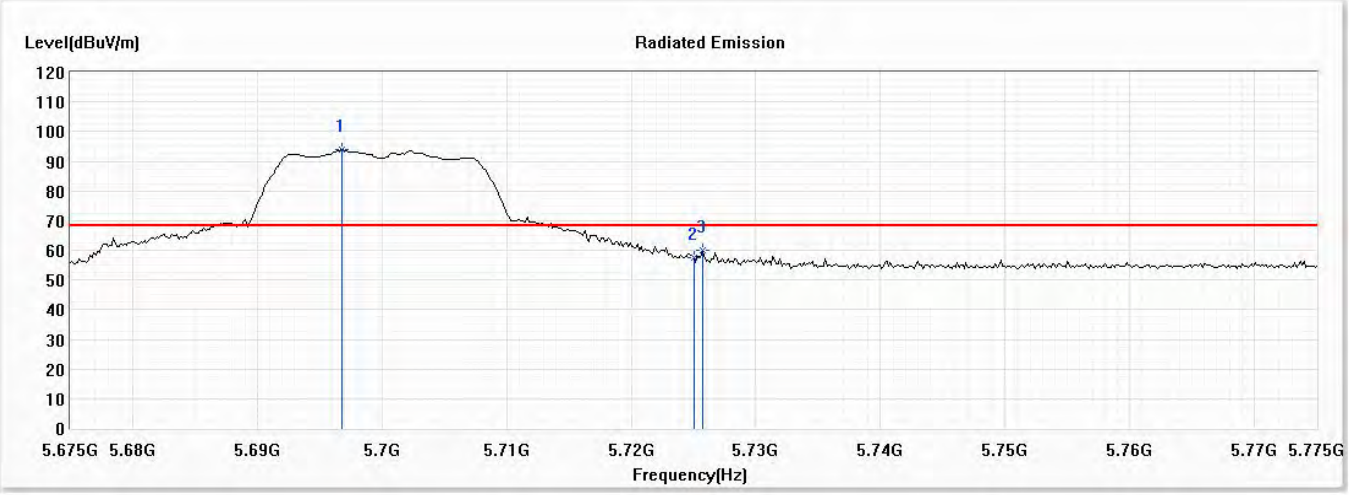
Horizontal



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5696.739	91.72	--	--	74.27	17.45	PK
2	5725.000	56.18	68.22	-12.04	38.79	17.39	PK
3	5726.884	58.08	68.22	-10.14	40.69	17.39	PK

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 1: Transmit (802.11a 6Mbps) (5700MHz)
Test Date	:	2020/10/20

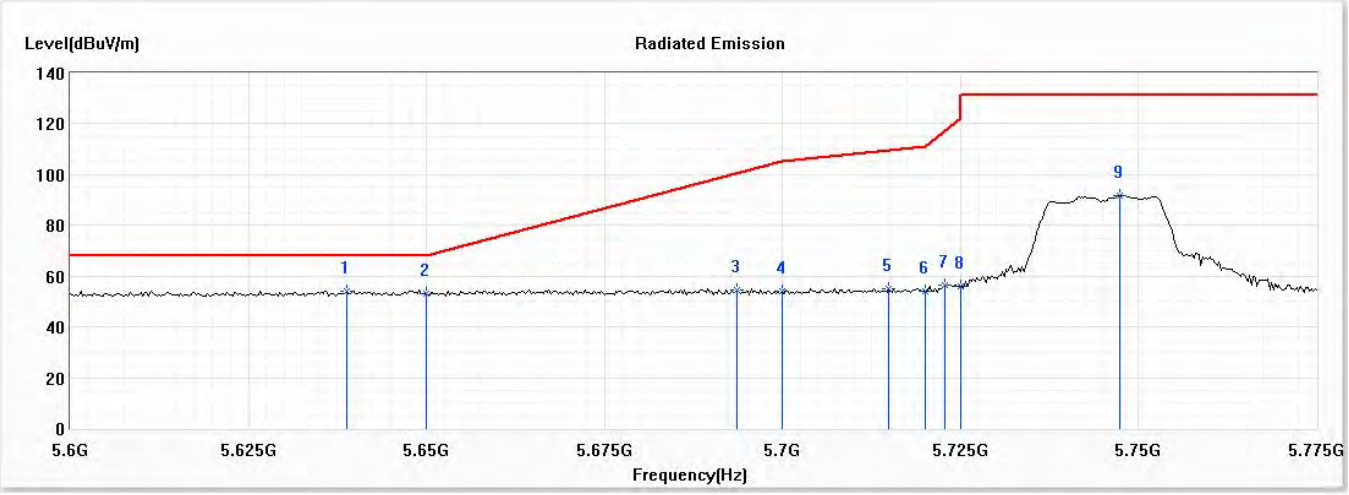
Vertical



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5696.739	93.86	--	--	76.41	17.45	PK
2	5725.000	57.38	68.22	-10.84	39.99	17.39	PK
3	5725.725	59.89	68.22	-8.33	42.50	17.39	PK

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 1: Transmit (802.11a 6Mbps) (5745MHz)
Test Date	:	2020/10/20

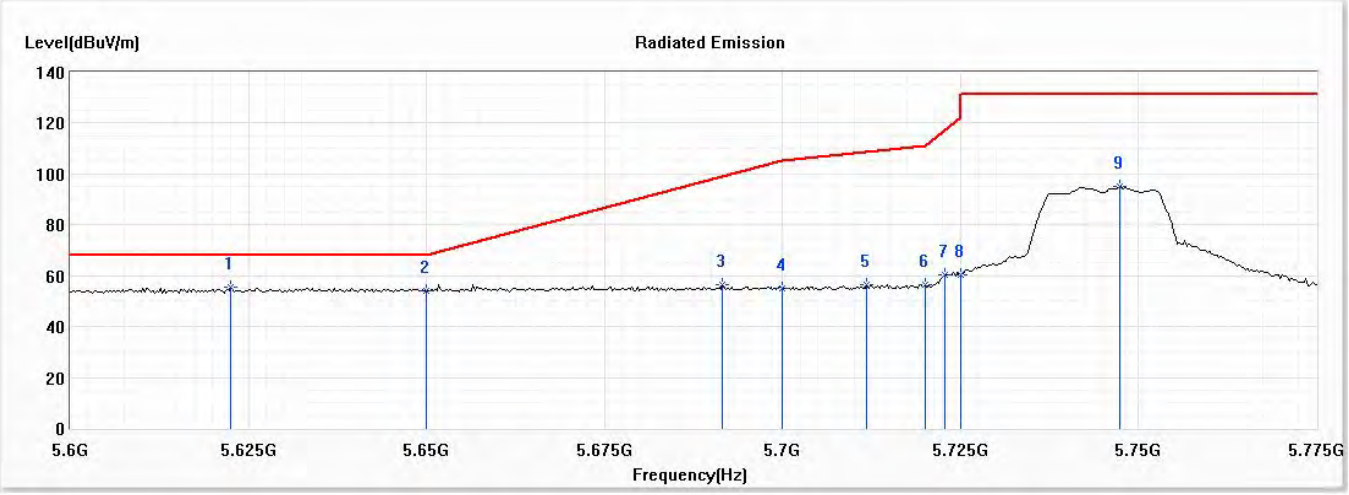
Horizontal



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	5638.804	54.10	68.22	-14.12	36.89	17.21	PK
2	5650.000	53.26	68.22	-14.96	36.02	17.24	PK
3	5693.587	54.78	100.48	-45.69	37.32	17.46	PK
4	5700.000	53.89	105.20	-51.31	36.46	17.43	PK
5	5714.891	55.19	109.37	-54.18	37.80	17.39	PK
6	5720.000	54.23	110.80	-56.57	36.84	17.39	PK
7	5722.754	56.72	117.08	-60.36	39.32	17.40	PK
8	5725.000	56.15	122.20	-66.05	38.76	17.39	PK
9	5747.355	91.95	--	--	74.48	17.47	PK

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 1: Transmit (802.11a 6Mbps) (5745MHz)
Test Date	:	2020/10/20

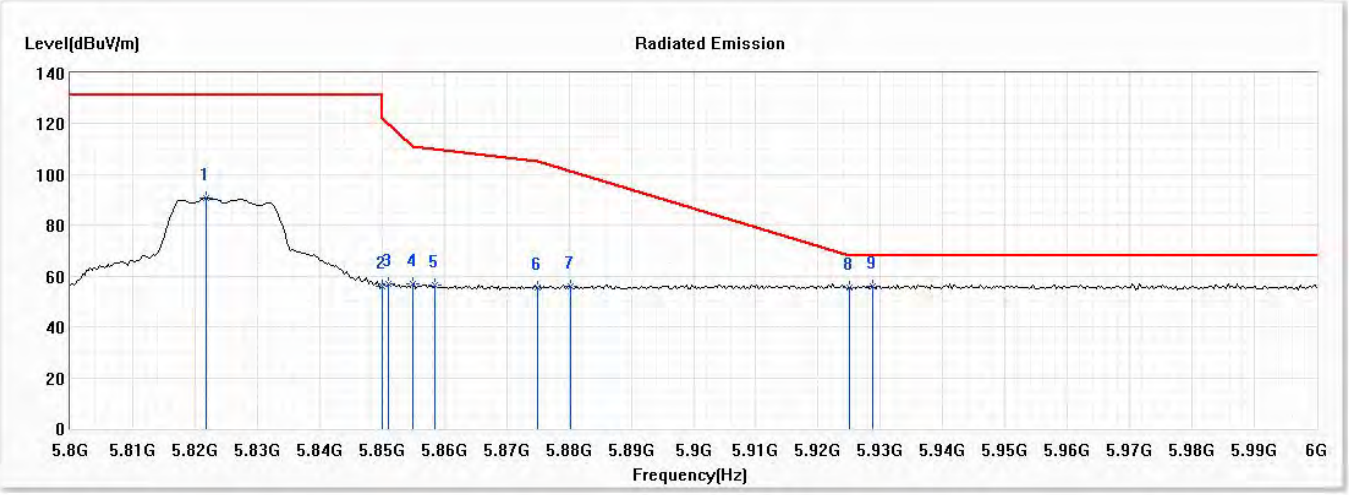
Vertical



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	5622.572	55.49	68.22	-12.73	38.33	17.16	PK
2	5650.000	53.86	68.22	-14.36	36.62	17.24	PK
3	5691.558	56.69	98.98	-42.29	39.23	17.46	PK
4	5700.000	54.99	105.20	-50.21	37.56	17.43	PK
5	5711.848	56.28	108.52	-52.24	38.90	17.38	PK
6	5720.000	56.26	110.80	-54.54	38.87	17.39	PK
7	5722.754	60.48	117.08	-56.60	43.08	17.40	PK
8	5725.000	60.45	122.20	-61.75	43.06	17.39	PK
9	5747.355	94.99	--	--	77.52	17.47	PK

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 1: Transmit (802.11a 6Mbps) (5825MHz)
Test Date	:	2020/10/20

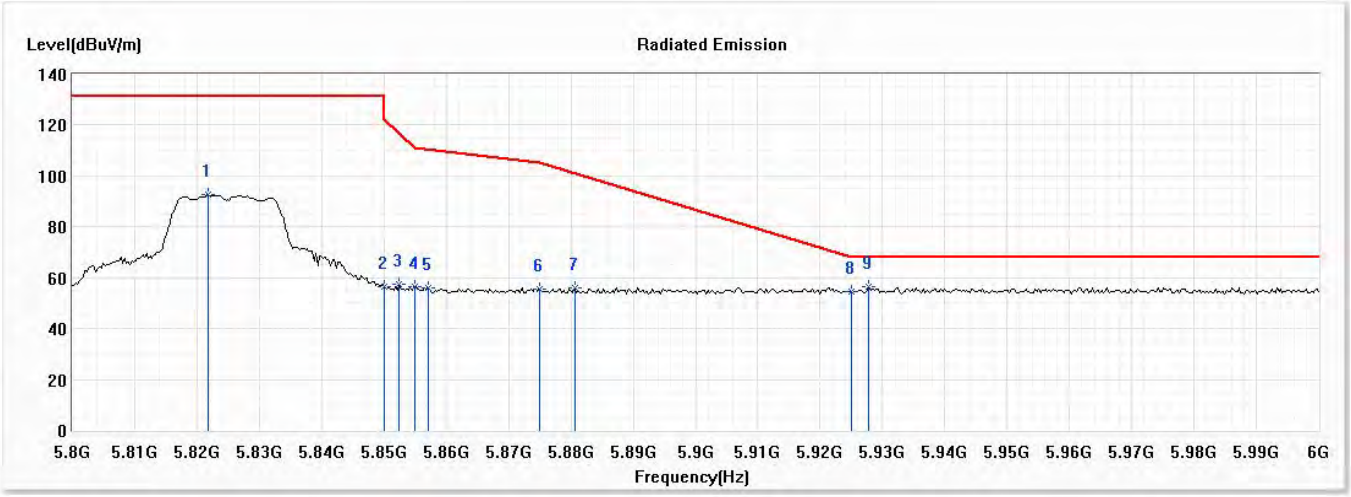
Horizontal



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5821.739	90.98	--	--	73.21	17.77	PK
2	5850.000	55.76	122.20	-66.44	37.90	17.86	PK
3	5851.014	56.97	119.89	-62.91	39.10	17.87	PK
4	5855.000	56.74	110.80	-54.06	38.88	17.86	PK
5	5858.551	56.69	109.80	-53.11	38.84	17.85	PK
6	5875.000	55.29	105.20	-49.91	37.49	17.80	PK
7	5880.290	56.22	101.27	-45.05	38.40	17.82	PK
8	5925.000	55.60	68.22	-12.62	37.57	18.03	PK
* 9	5928.696	56.23	68.22	-11.99	38.19	18.04	PK

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 1: Transmit (802.11a 6Mbps) (5825MHz)
Test Date	:	2020/10/20

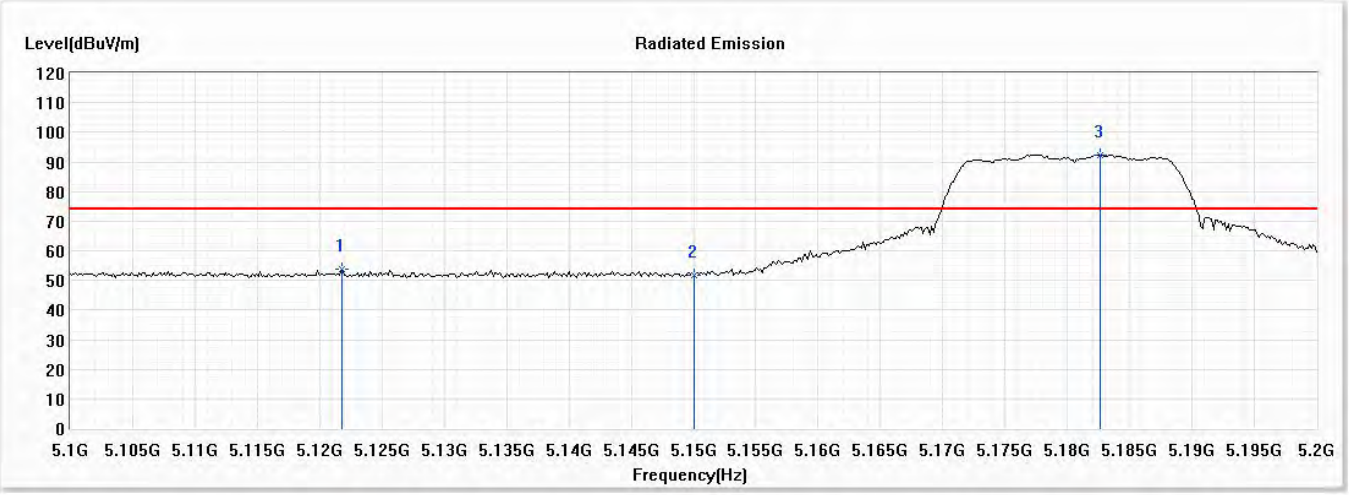
Vertical



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5821.739	92.70	--	--	74.93	17.77	PK
2	5850.000	56.72	122.20	-65.48	38.86	17.86	PK
3	5852.464	57.26	116.58	-59.33	39.39	17.87	PK
4	5855.000	56.59	110.80	-54.21	38.73	17.86	PK
5	5857.101	56.18	110.21	-54.03	38.33	17.85	PK
6	5875.000	55.33	105.20	-49.87	37.53	17.80	PK
7	5880.580	55.86	101.06	-45.20	38.04	17.82	PK
8	5925.000	54.59	68.22	-13.63	36.56	18.03	PK
* 9	5927.826	56.31	68.22	-11.91	38.27	18.04	PK

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5180MHz)
Test Date	:	2020/10/20

Horizontal



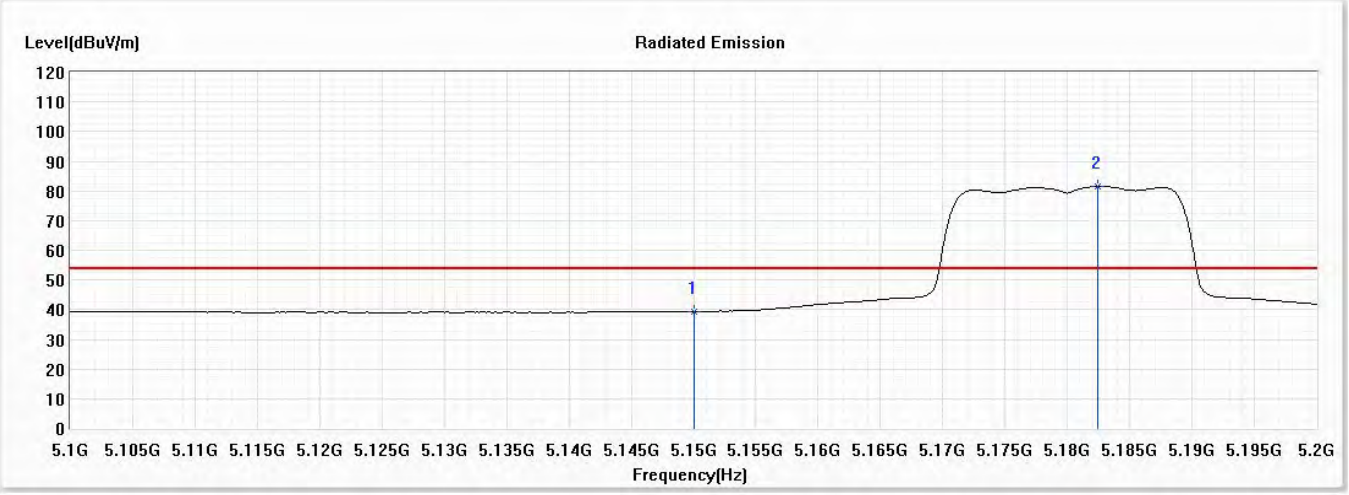
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5121.739	53.64	74.00	-20.36	37.56	16.08	PK
2	5150.000	51.71	74.00	-22.29	35.68	16.03	PK
3	5182.609	92.46	--	--	76.22	16.24	PK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5180MHz)
Test Date	:	2020/10/20

Horizontal



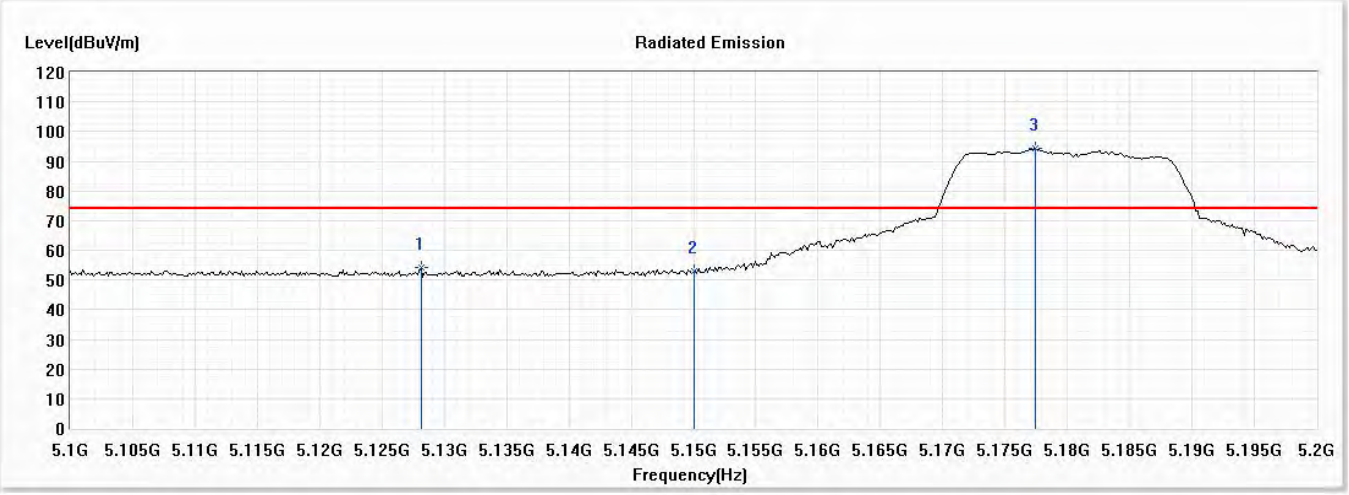
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5150.000	39.35	54.00	-14.65	23.32	16.03	AV
2	5182.464	81.57	--	--	65.33	16.24	AV

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5180MHz)
Test Date	:	2020/10/20

Vertical



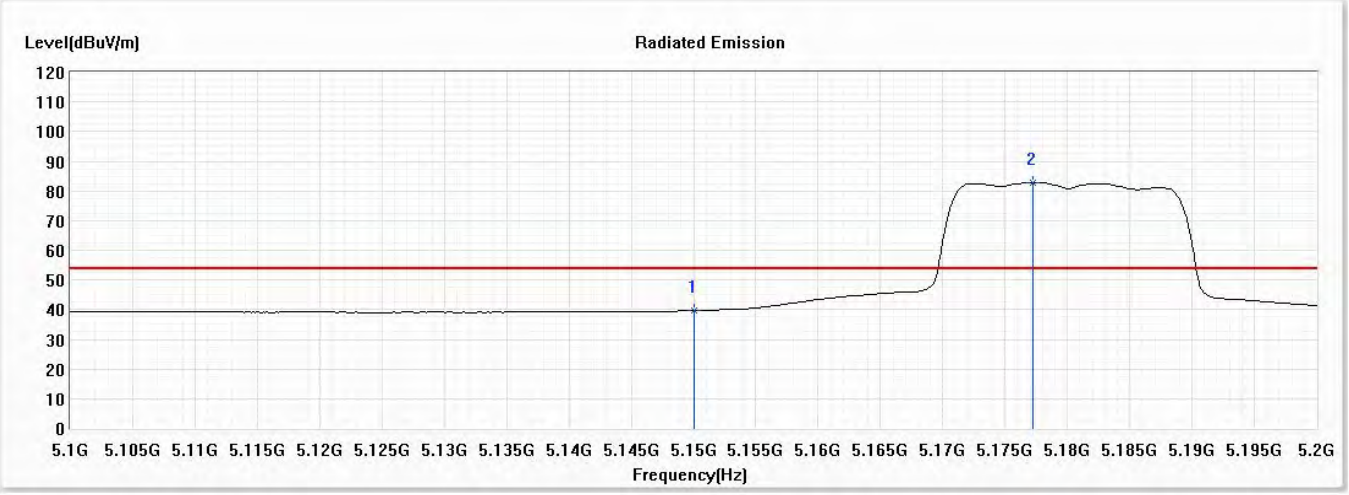
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5128.116	54.02	74.00	-19.98	37.95	16.07	PK
2	5150.000	52.97	74.00	-21.03	36.94	16.03	PK
3	5177.391	94.15	--	--	77.94	16.21	PK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5180MHz)
Test Date	:	2020/10/20

Vertical



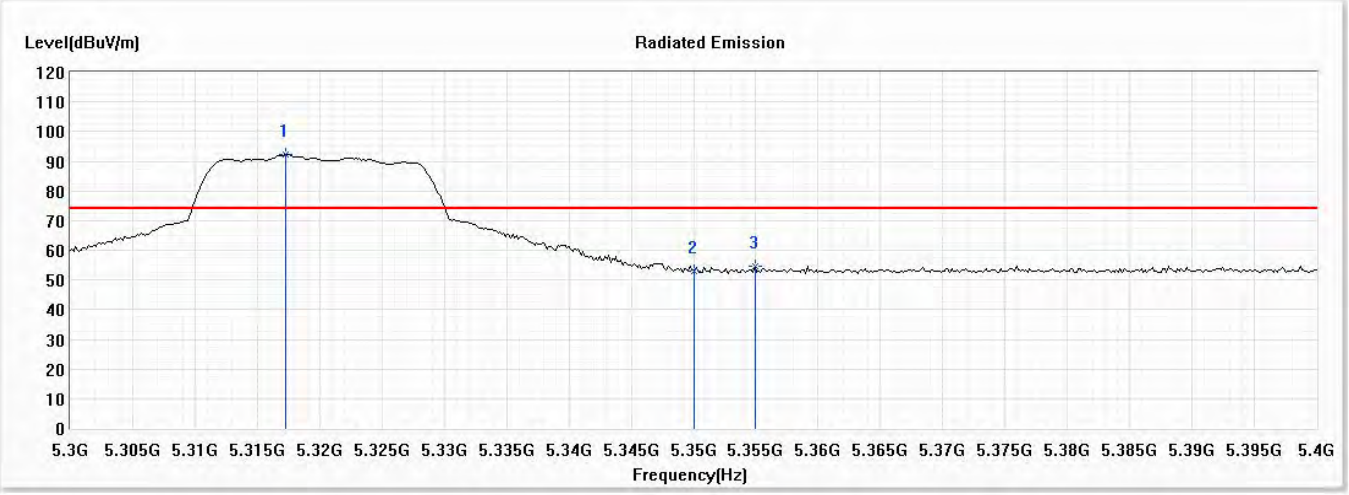
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5150.000	39.67	54.00	-14.33	23.64	16.03	AV
2	5177.246	82.90	--	--	66.69	16.21	AV

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5320MHz)
Test Date	:	2020/10/20

Horizontal



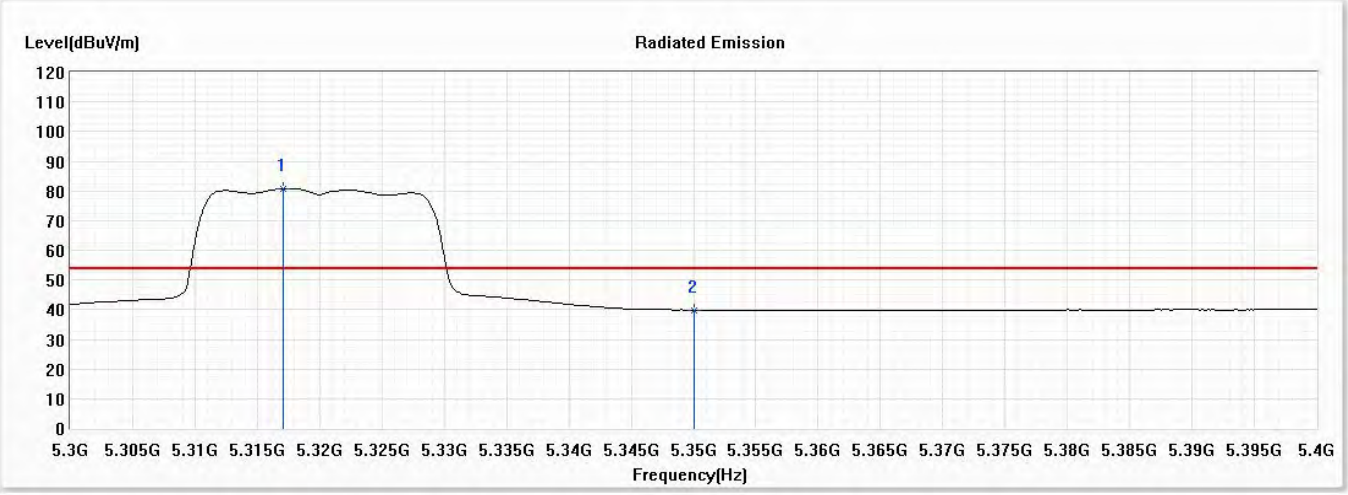
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5317.246	92.18	--	--	75.56	16.62	PK
2	5350.000	52.93	74.00	-21.07	36.30	16.63	PK
3	5354.928	54.54	74.00	-19.46	37.88	16.66	PK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5320MHz)
Test Date	:	2020/10/20

Horizontal



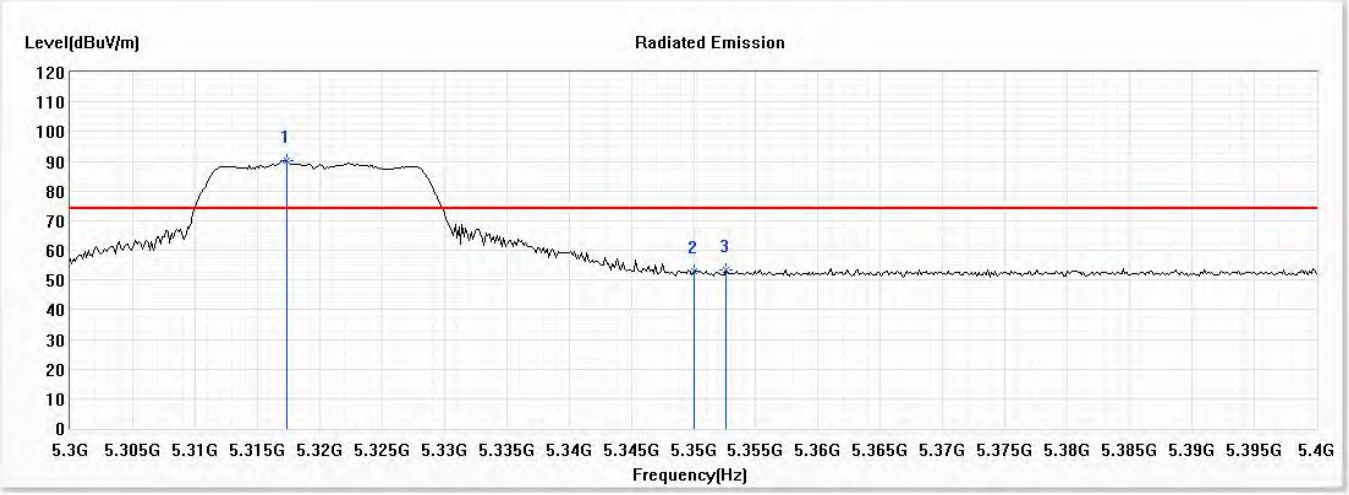
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5317.101	80.86	--	--	64.24	16.62	AV
2	5350.000	39.87	54.00	-14.13	23.24	16.63	AV

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5320MHz)
Test Date	:	2020/10/20

Vertical



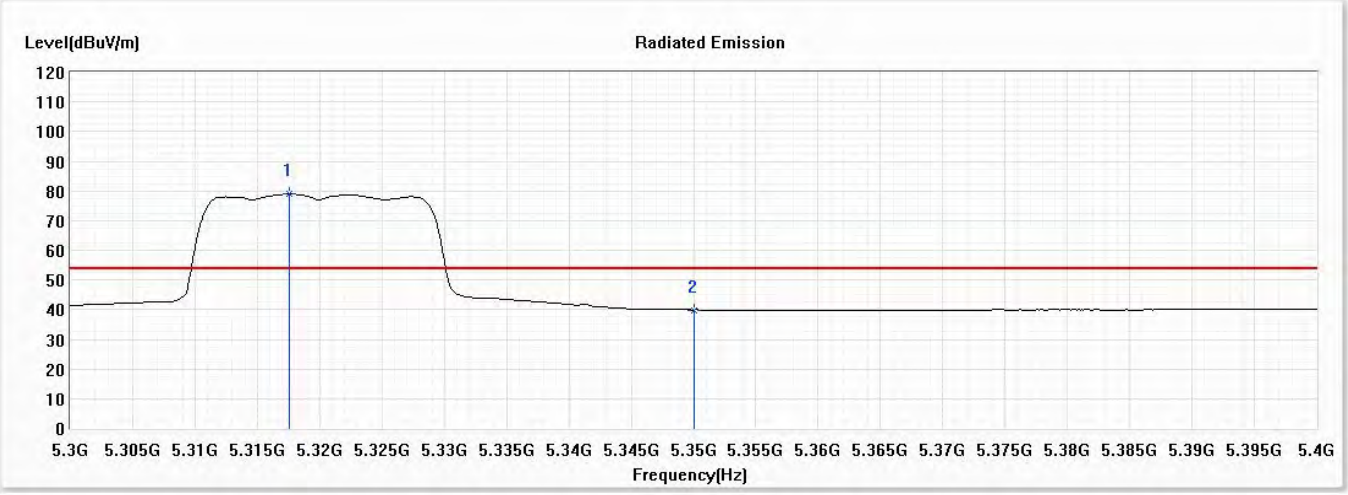
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5317.391	90.16	--	--	73.54	16.62	PK
2	5350.000	52.92	74.00	-21.08	36.29	16.63	PK
3	5352.609	53.55	74.00	-20.45	36.90	16.65	PK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5320MHz)
Test Date	:	2020/10/20

Vertical



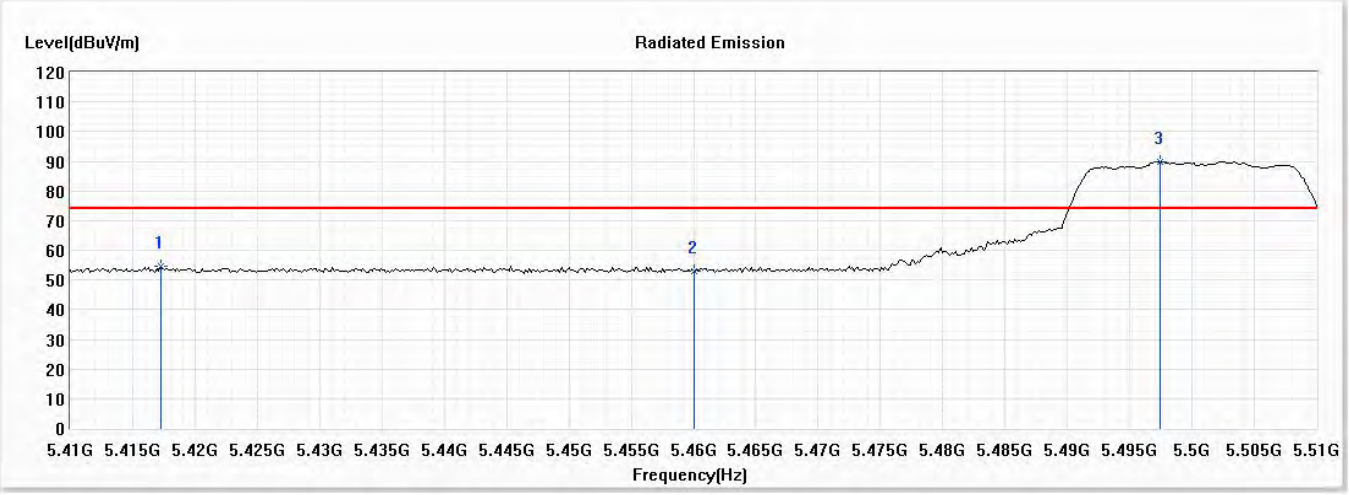
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5317.536	78.92	--	--	62.31	16.61	AV
2	5350.000	39.93	54.00	-14.07	23.30	16.63	AV

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5500MHz)
Test Date	:	2020/10/20

Horizontal



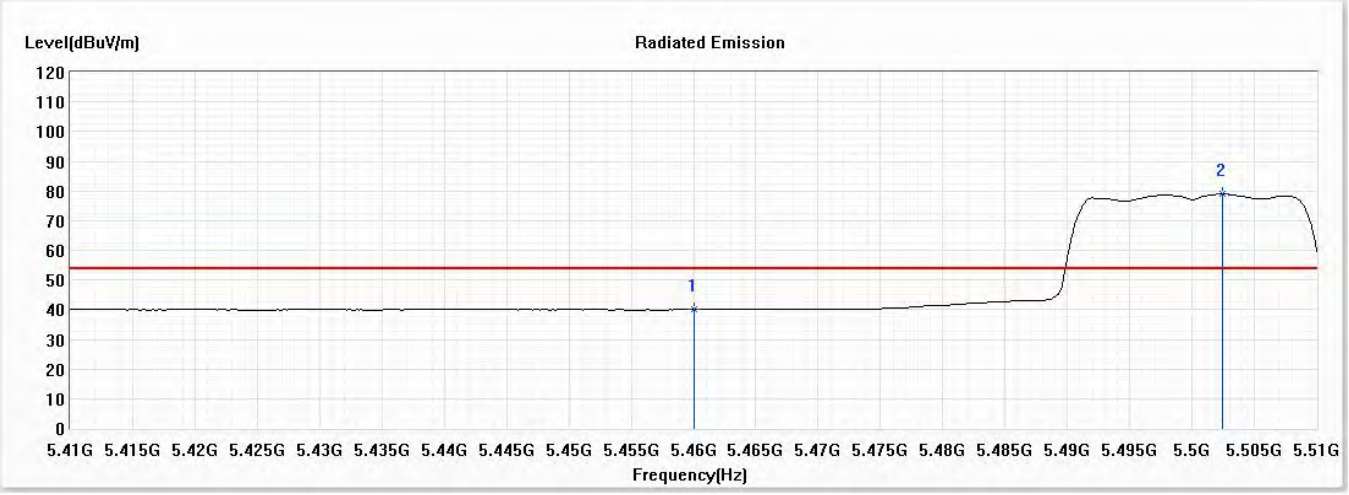
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5417.246	54.55	74.00	-19.45	37.67	16.88	PK
2	5460.000	53.08	74.00	-20.92	36.18	16.90	PK
3	5497.391	89.85	--	--	72.84	17.01	PK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5500MHz)
Test Date	:	2020/10/20

Horizontal



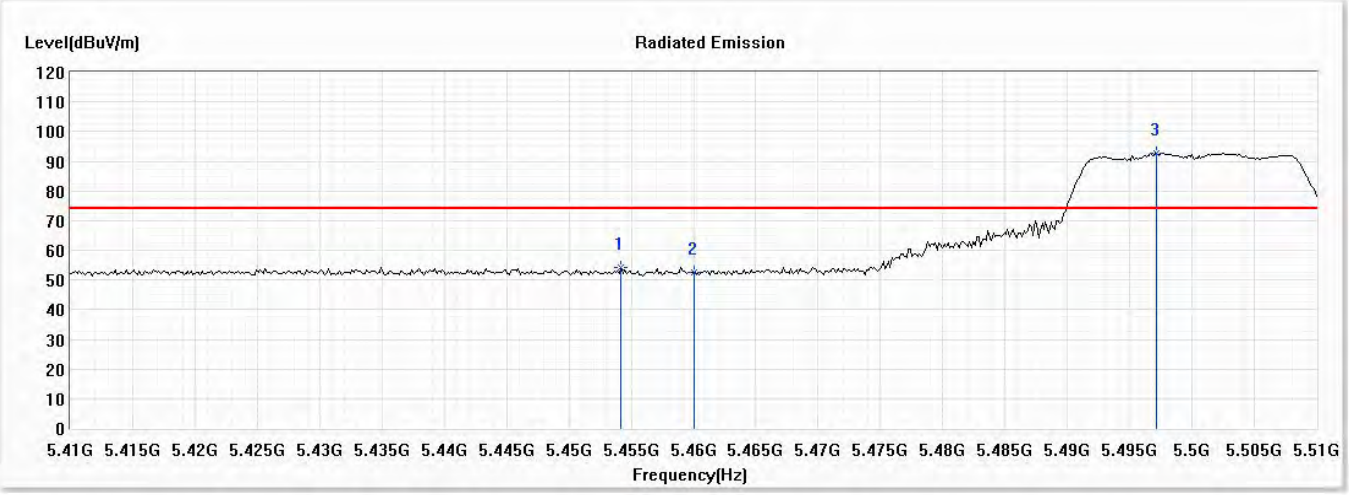
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5460.000	39.96	54.00	-14.04	23.06	16.90	AV
2	5502.464	78.91	--	--	61.86	17.05	AV

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5500MHz)
Test Date	:	2020/10/20

Vertical



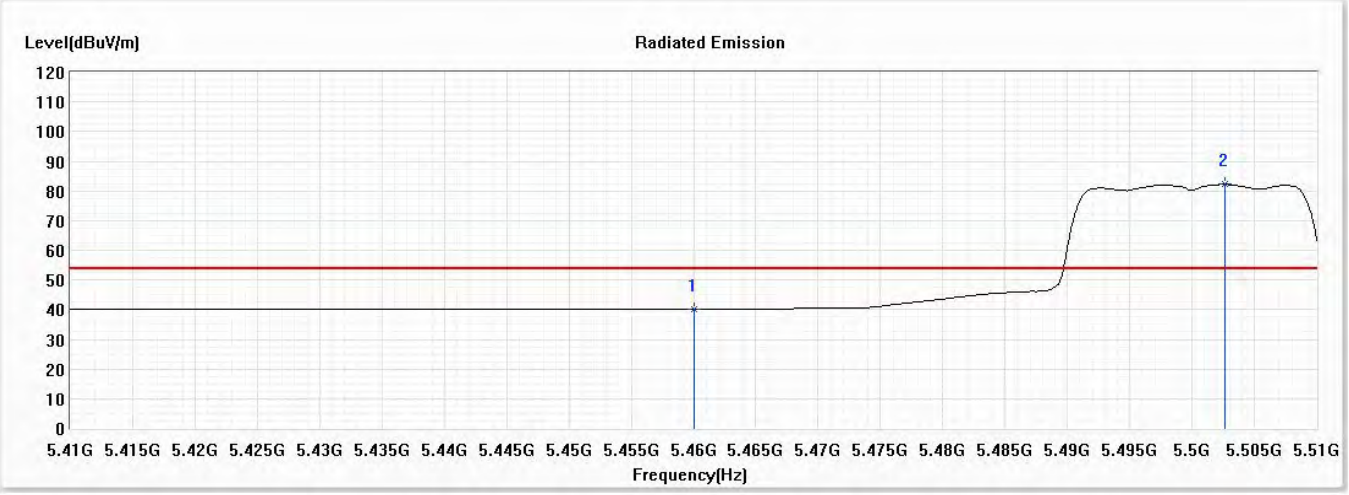
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5454.203	54.13	74.00	-19.87	37.23	16.90	PK
2	5460.000	52.56	74.00	-21.44	35.66	16.90	PK
3	5497.101	92.75	--	--	75.74	17.01	PK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5500MHz)
Test Date	:	2020/10/20

Vertical



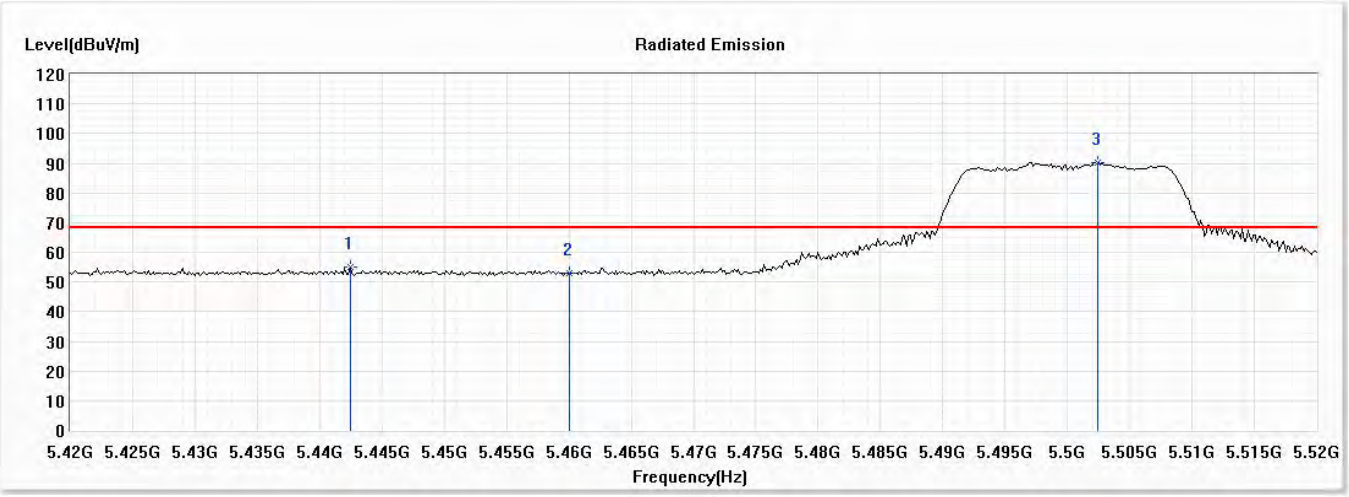
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5460.000	40.09	54.00	-13.91	23.19	16.90	AV
2	5502.609	82.26	--	--	65.21	17.05	AV

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5500MHz)
Test Date	:	2020/10/20

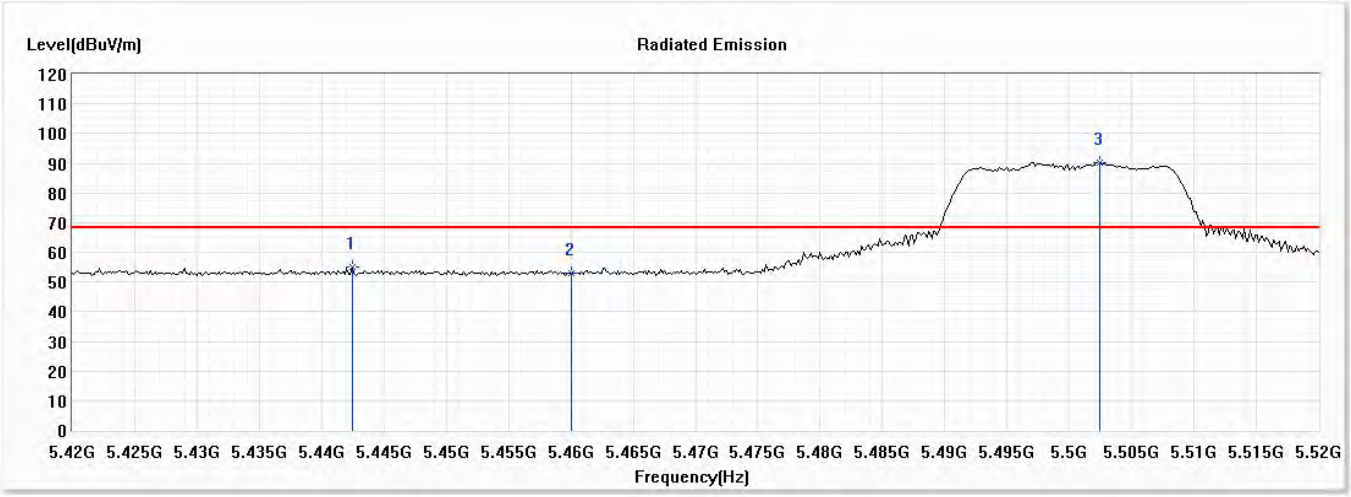
Horizontal



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5442.464	54.87	68.22	-13.35	37.96	16.91	PK
2	5460.000	52.96	68.22	-15.26	36.06	16.90	PK
3	5502.464	90.10	--	--	73.05	17.05	PK

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5500MHz)
Test Date	:	2020/10/20

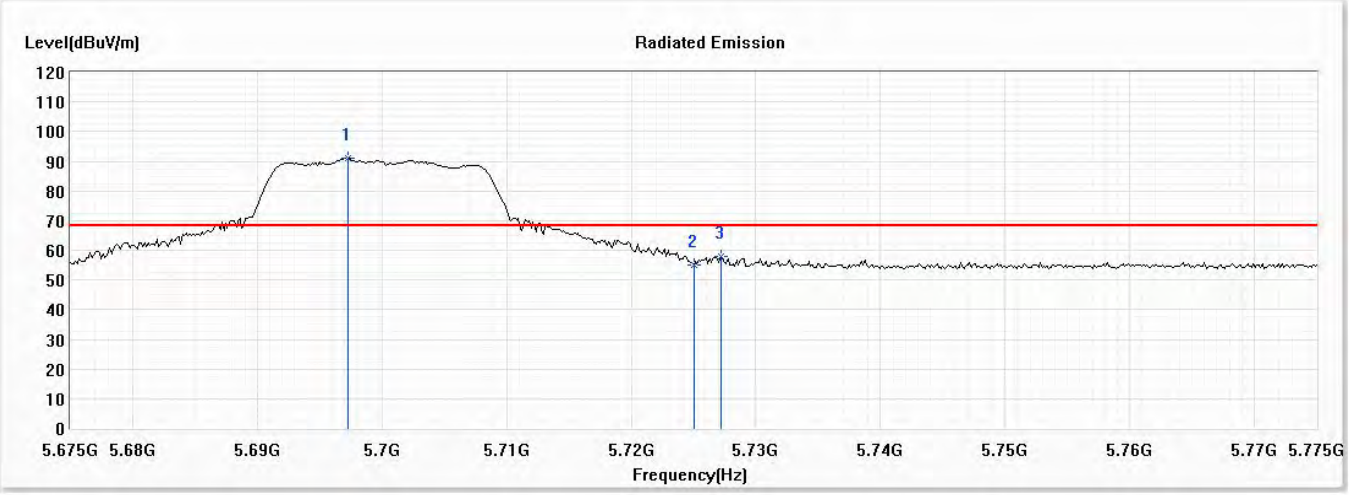
Vertical



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5442.464	54.87	68.22	-13.35	37.96	16.91	PK
2	5460.000	52.96	68.22	-15.26	36.06	16.90	PK
3	5502.464	90.10	--	--	73.05	17.05	PK

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5700MHz)
Test Date	:	2020/10/20

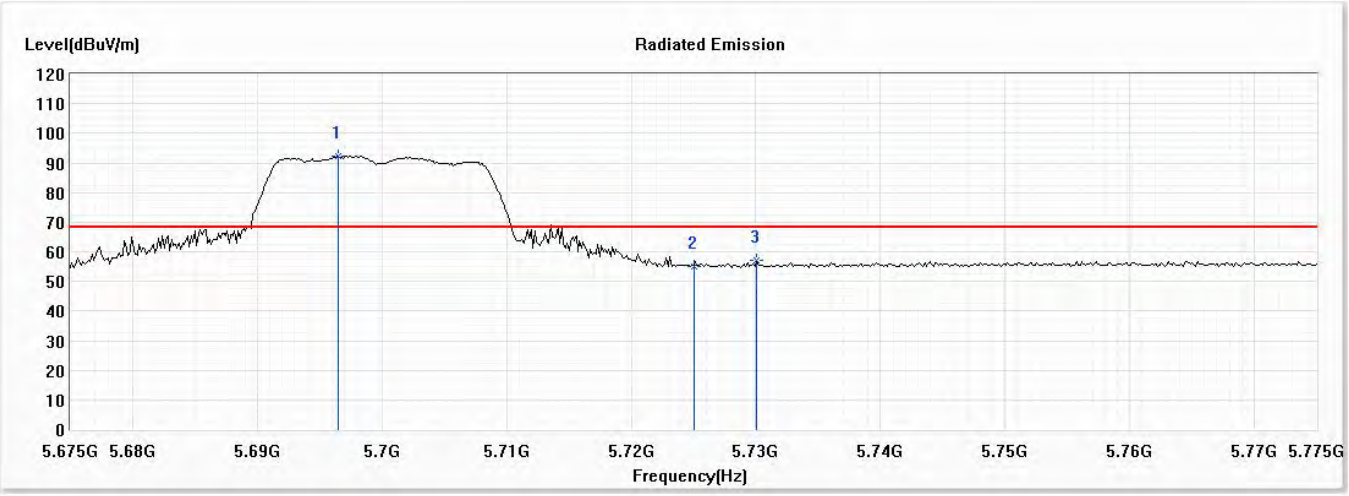
Horizontal



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5697.319	91.05	--	--	73.61	17.44	PK
2	5725.000	55.12	68.22	-13.10	37.73	17.39	PK
3	5727.174	57.89	68.22	-10.33	40.50	17.39	PK

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5700MHz)
Test Date	:	2020/10/20

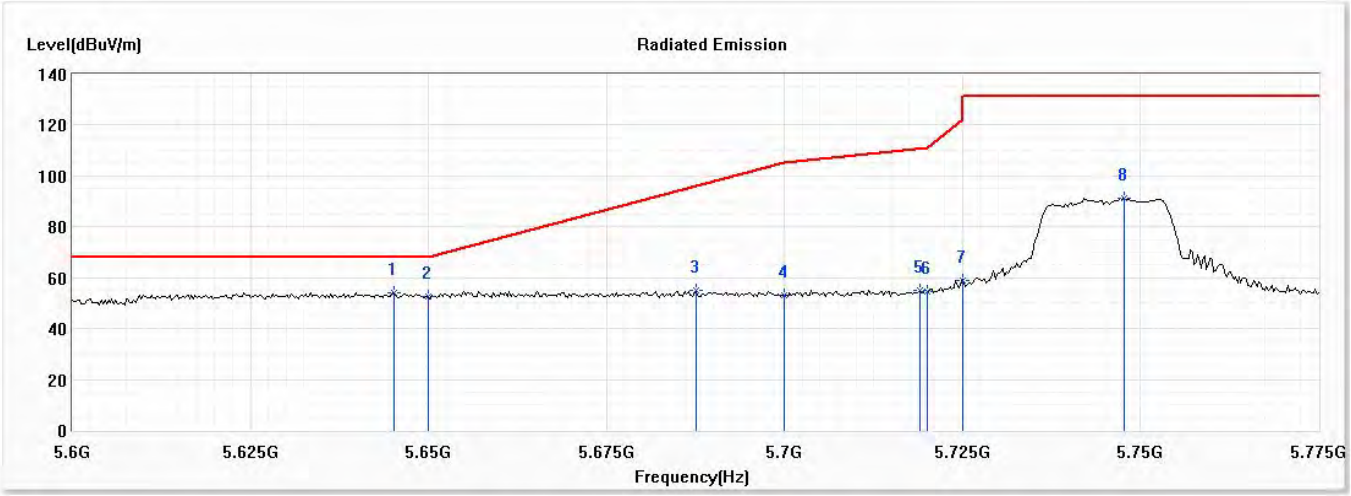
Vertical



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5696.449	92.42	--	--	74.97	17.45	PK
2	5725.000	55.04	68.22	-13.18	37.65	17.39	PK
3	5730.072	57.14	68.22	-11.08	39.73	17.41	PK

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5745MHz)
Test Date	:	2020/10/20

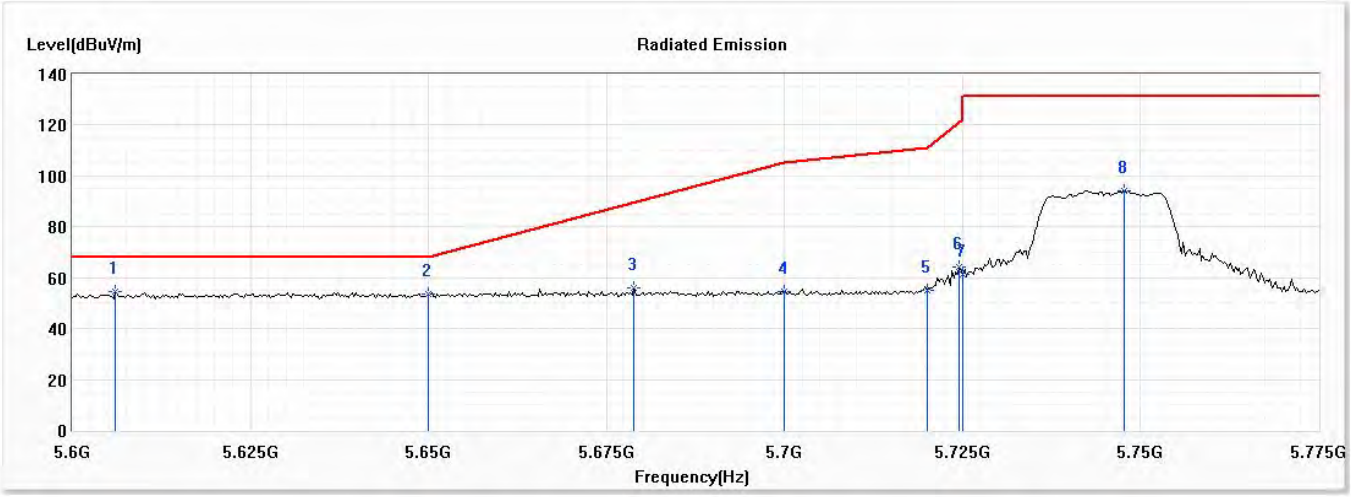
Horizontal



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	5645.145	53.93	68.22	-14.29	36.70	17.23	PK
2	5650.000	52.63	68.22	-15.59	35.39	17.24	PK
3	5687.500	54.86	95.99	-41.13	37.39	17.47	PK
4	5700.000	53.14	105.20	-52.06	35.71	17.43	PK
5	5718.949	55.14	110.51	-55.37	37.75	17.39	PK
6	5720.000	54.47	110.80	-56.33	37.08	17.39	PK
7	5725.000	59.09	122.20	-63.11	41.70	17.39	PK
8	5747.609	91.28	--	--	73.80	17.48	PK

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5745MHz)
Test Date	:	2020/10/20

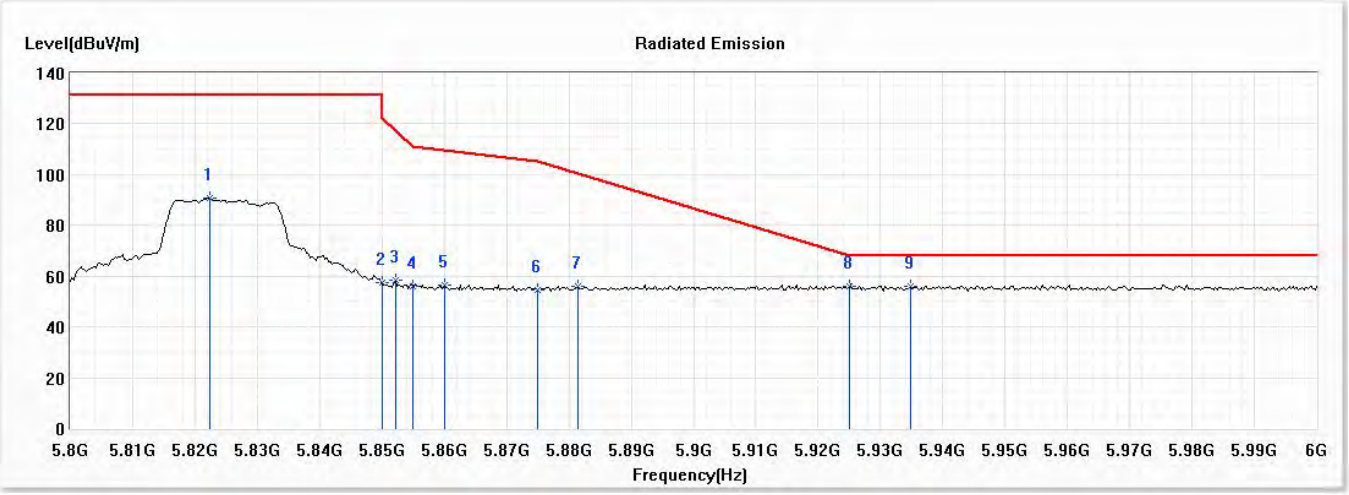
Vertical



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	5606.087	54.58	68.22	-13.64	37.44	17.14	PK
2	5650.000	53.38	68.22	-14.84	36.14	17.24	PK
3	5678.877	56.22	89.62	-33.40	38.78	17.44	PK
4	5700.000	54.65	105.20	-50.55	37.22	17.43	PK
5	5720.000	55.09	110.80	-55.71	37.70	17.39	PK
6	5724.529	64.13	121.13	-56.99	46.74	17.39	PK
7	5725.000	61.52	122.20	-60.68	44.13	17.39	PK
8	5747.609	94.16	--	--	76.68	17.48	PK

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5825MHz)
Test Date	:	2020/10/20

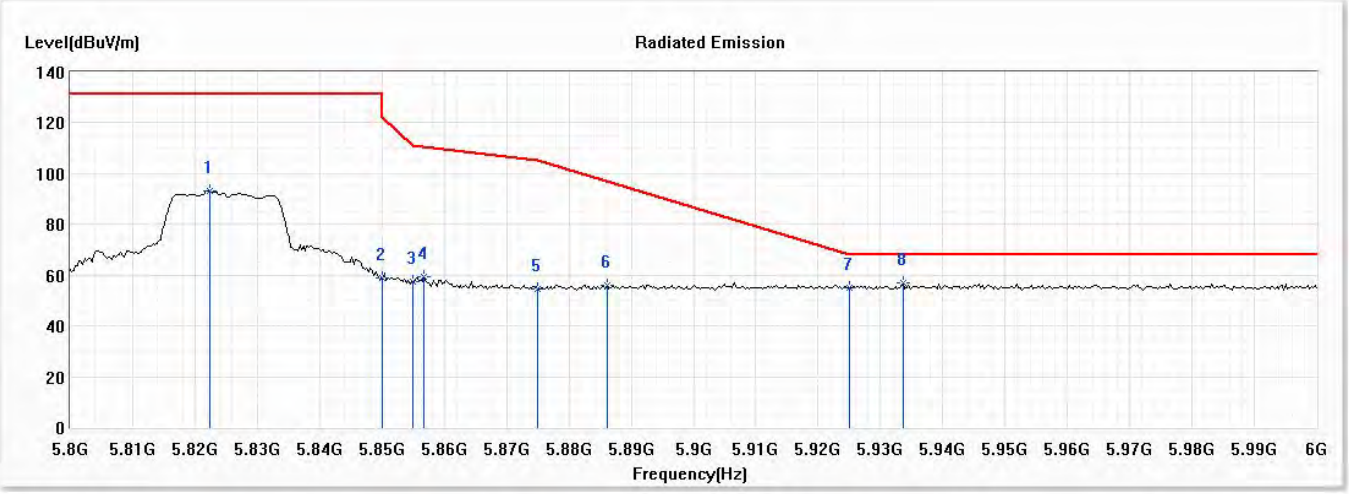
Horizontal



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5822.319	90.94	--	--	73.17	17.77	PK
2	5850.000	57.29	122.20	-64.91	39.43	17.86	PK
3	5852.174	58.43	117.24	-58.81	40.56	17.87	PK
4	5855.000	56.20	110.80	-54.60	38.34	17.86	PK
5	5860.000	56.42	109.40	-52.98	38.58	17.84	PK
6	5875.000	54.71	105.20	-50.49	36.91	17.80	PK
7	5881.449	56.20	100.41	-44.21	38.38	17.82	PK
8	5925.000	55.89	68.22	-12.33	37.86	18.03	PK
* 9	5934.783	56.00	68.22	-12.22	37.95	18.05	PK

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 2: Transmit (802.11n-20BW 7.2Mbps) (5825MHz)
Test Date	:	2020/10/20

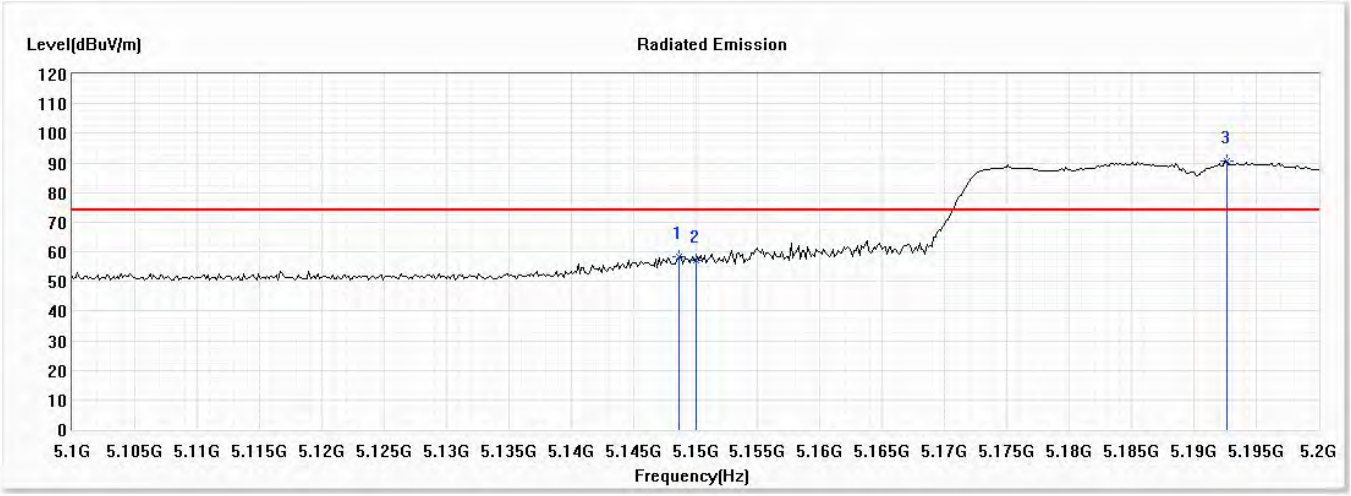
Vertical



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5822.319	93.18	--	--	75.41	17.77	PK
2	5850.000	58.74	122.20	-63.46	40.88	17.86	PK
3	5855.000	57.27	110.80	-53.53	39.41	17.86	PK
4	5856.812	59.42	110.29	-50.87	41.57	17.85	PK
5	5875.000	54.70	105.20	-50.50	36.90	17.80	PK
6	5886.087	56.15	96.97	-40.83	38.32	17.83	PK
7	5925.000	55.14	68.22	-13.08	37.11	18.03	PK
* 8	5933.623	57.16	68.22	-11.06	39.11	18.05	PK

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 3: Transmit (802.11n-40BW 15Mbps) (5190MHz)
Test Date	:	2020/10/20

Horizontal



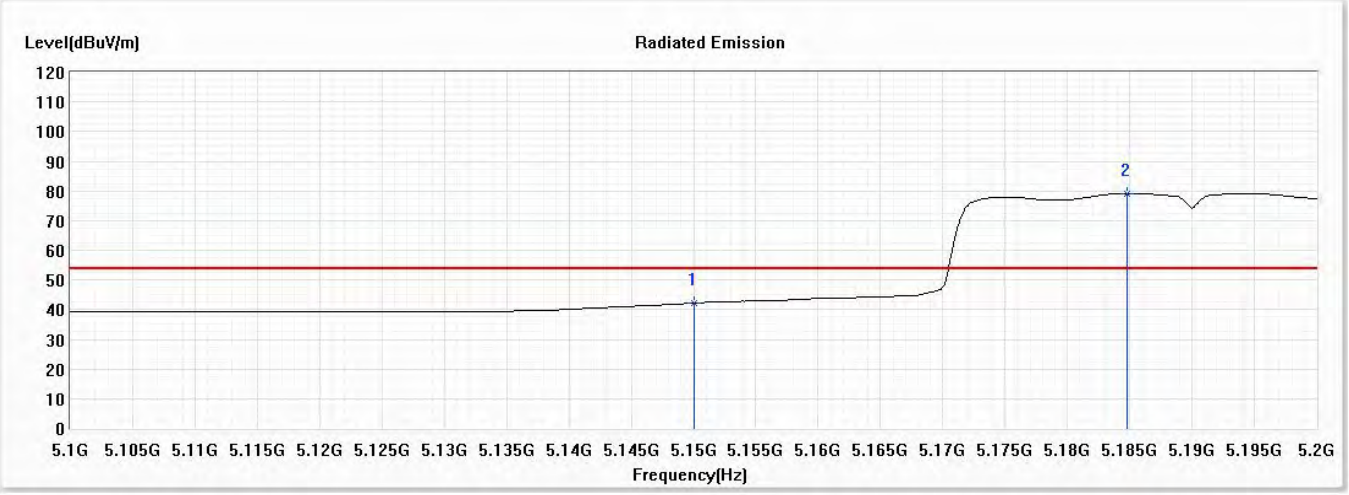
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5148.696	58.22	74.00	-15.78	42.19	16.03	PK
2	5150.000	57.14	74.00	-16.86	41.11	16.03	PK
3	5192.609	90.54	--	--	74.25	16.29	PK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 3: Transmit (802.11n-40BW 15Mbps) (5190MHz)
Test Date	:	2020/10/20

Horizontal



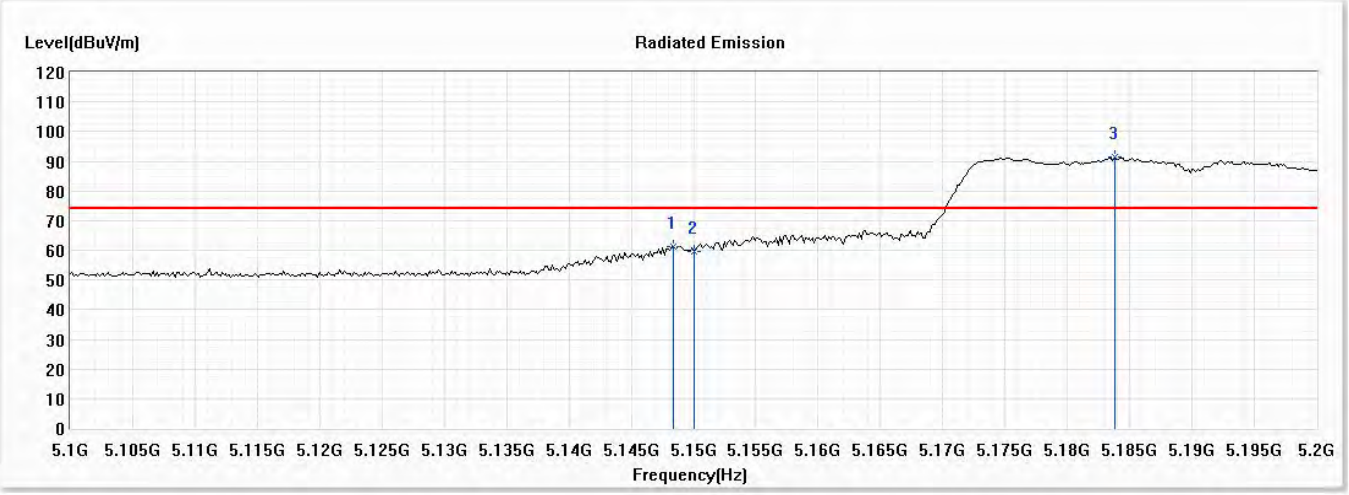
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5150.000	42.19	54.00	-11.81	26.16	16.03	AV
2	5184.783	79.19	--	--	62.94	16.25	AV

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 3: Transmit (802.11n-40BW 15Mbps) (5190MHz)
Test Date	:	2020/10/20

Vertical



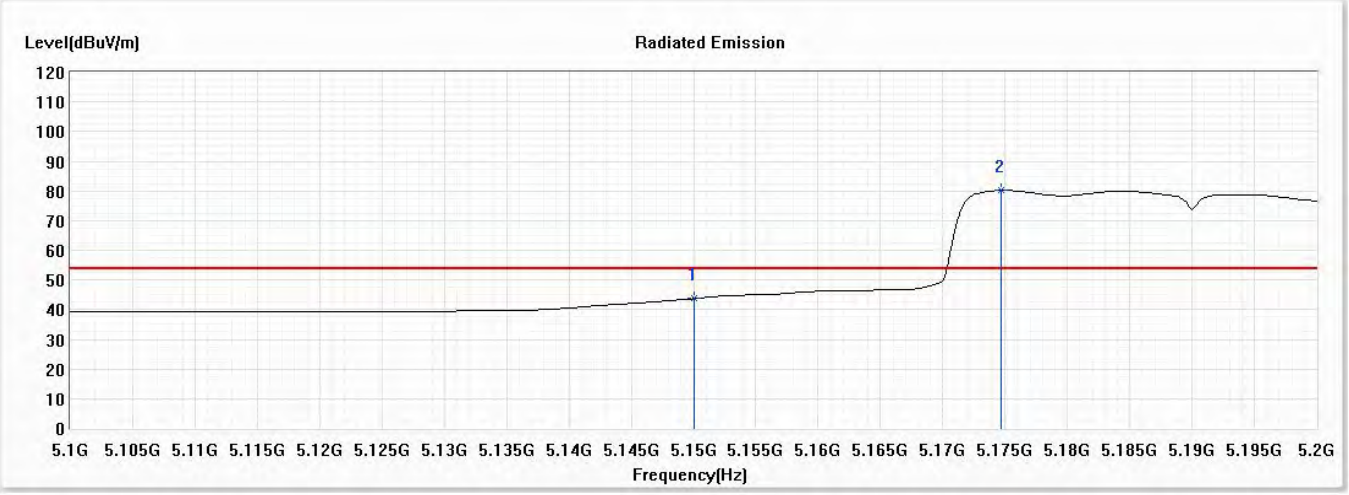
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5148.406	61.44	74.00	-12.56	45.41	16.03	PK
2	5150.000	59.64	74.00	-14.36	43.61	16.03	PK
3	5183.768	91.29	--	--	75.04	16.25	PK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 3: Transmit (802.11n-40BW 15Mbps) (5190MHz)
Test Date	:	2020/10/20

Vertical



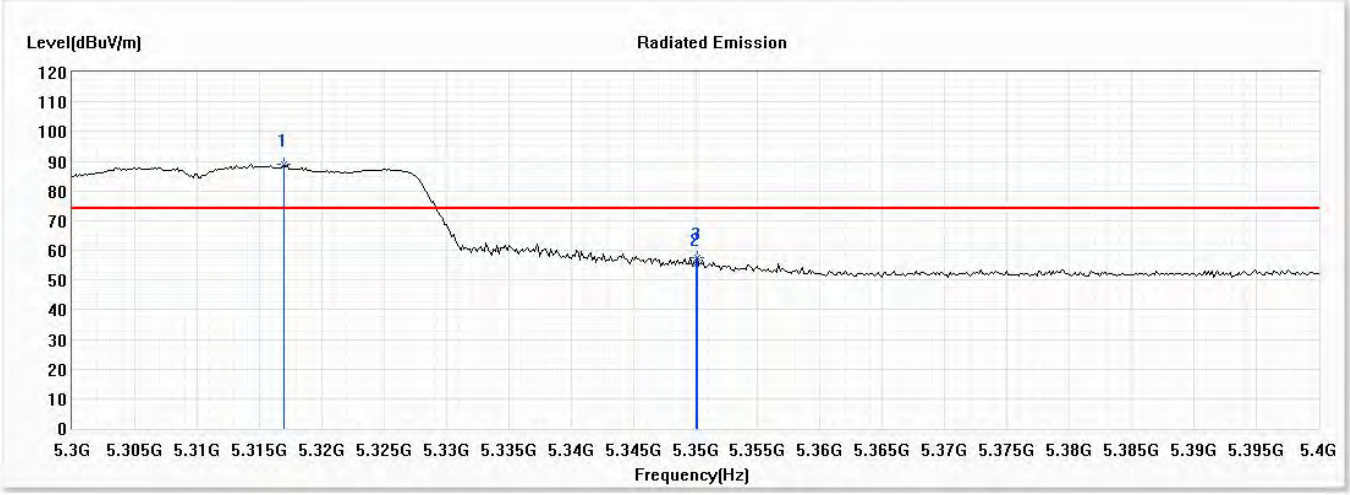
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5150.000	43.71	54.00	-10.29	27.68	16.03	AV
2	5174.638	80.18	--	--	63.98	16.20	AV

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 3: Transmit (802.11n-40BW 15Mbps) (5310MHz)
Test Date	:	2020/10/20

Horizontal



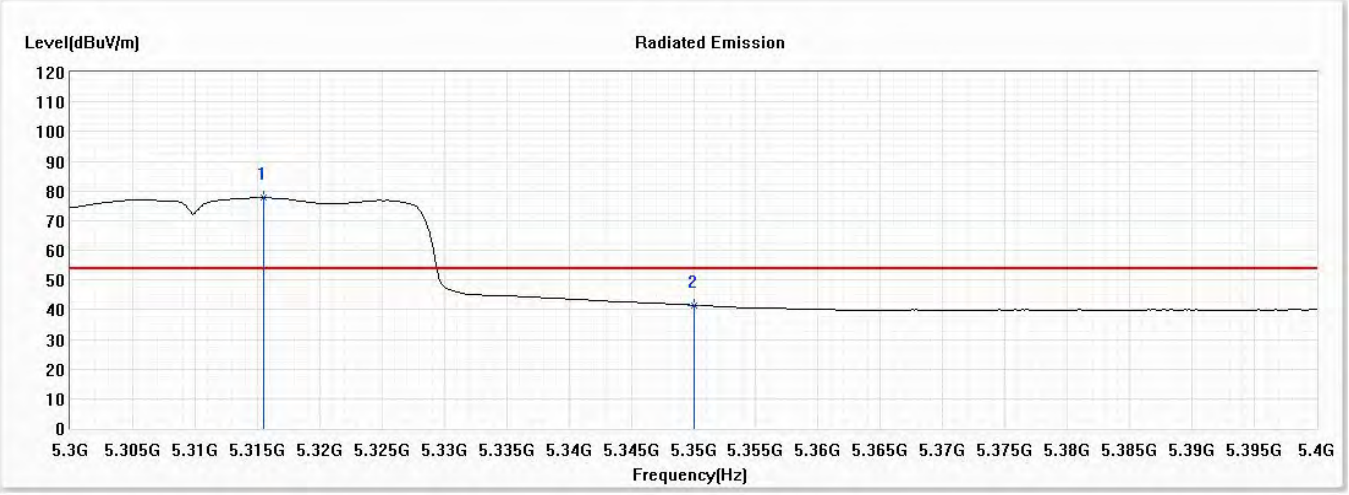
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5316.957	88.84	--	--	72.22	16.62	PK
2	5350.000	55.39	74.00	-18.61	38.76	16.63	PK
3	5350.145	57.53	74.00	-16.47	40.90	16.63	PK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 3: Transmit (802.11n-40BW 15Mbps) (5310MHz)
Test Date	:	2020/10/20

Horizontal



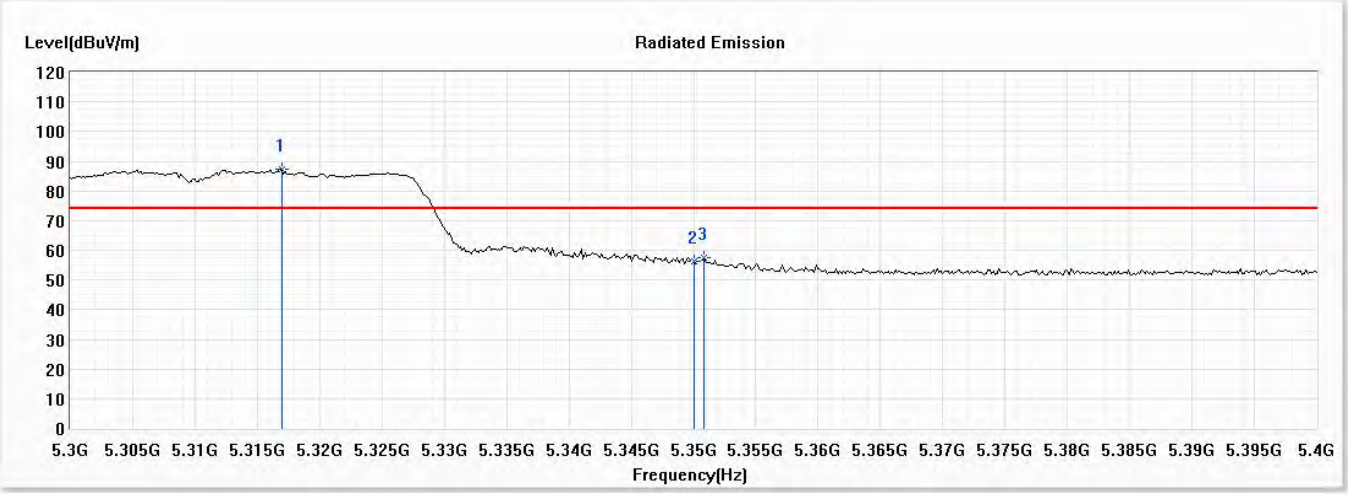
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5315.507	77.71	--	--	61.09	16.62	AV
2	5350.000	41.48	54.00	-12.52	24.85	16.63	AV

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 3: Transmit (802.11n-40BW 15Mbps) (5310MHz)
Test Date	:	2020/10/20

Vertical



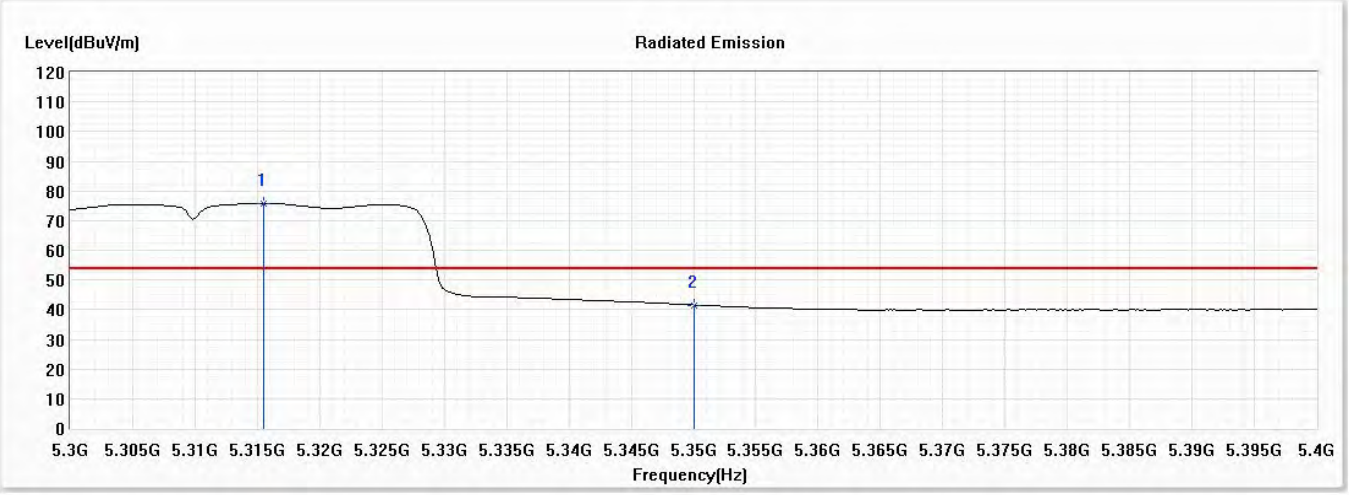
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5316.957	87.21	--	--	70.59	16.62	PK
2	5350.000	56.16	74.00	-17.84	39.53	16.63	PK
3	5350.870	57.32	74.00	-16.68	40.68	16.64	PK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 3: Transmit (802.11n-40BW 15Mbps) (5310MHz)
Test Date	:	2020/10/20

Vertical



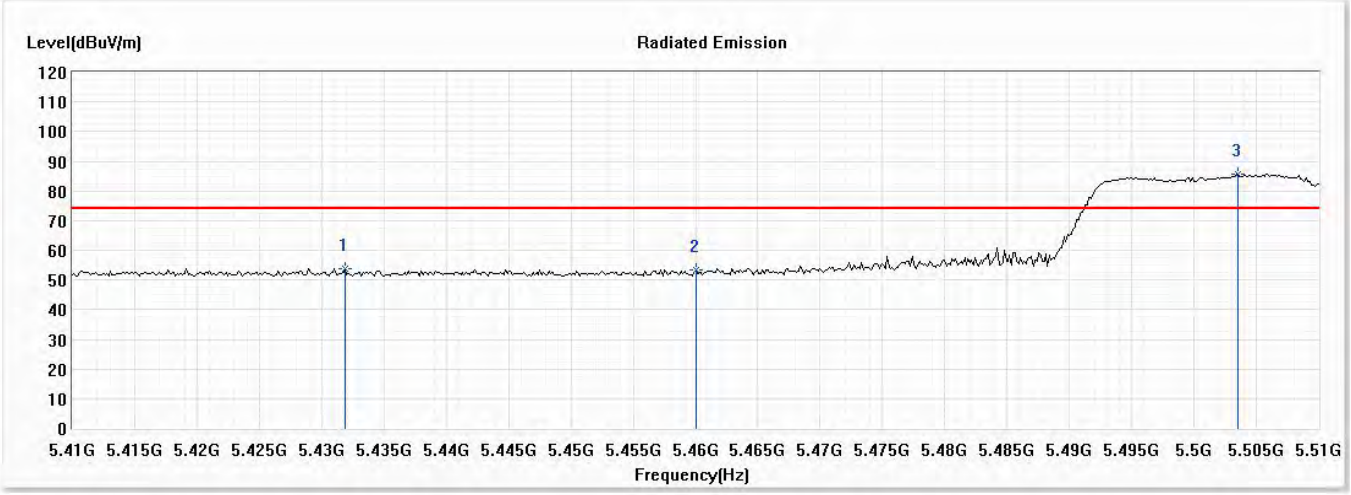
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5315.507	75.89	--	--	59.27	16.62	AV
2	5350.000	41.57	54.00	-12.43	24.94	16.63	AV

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 3: Transmit (802.11n-40BW 15Mbps) (5510MHz)
Test Date	:	2020/10/20

Horizontal



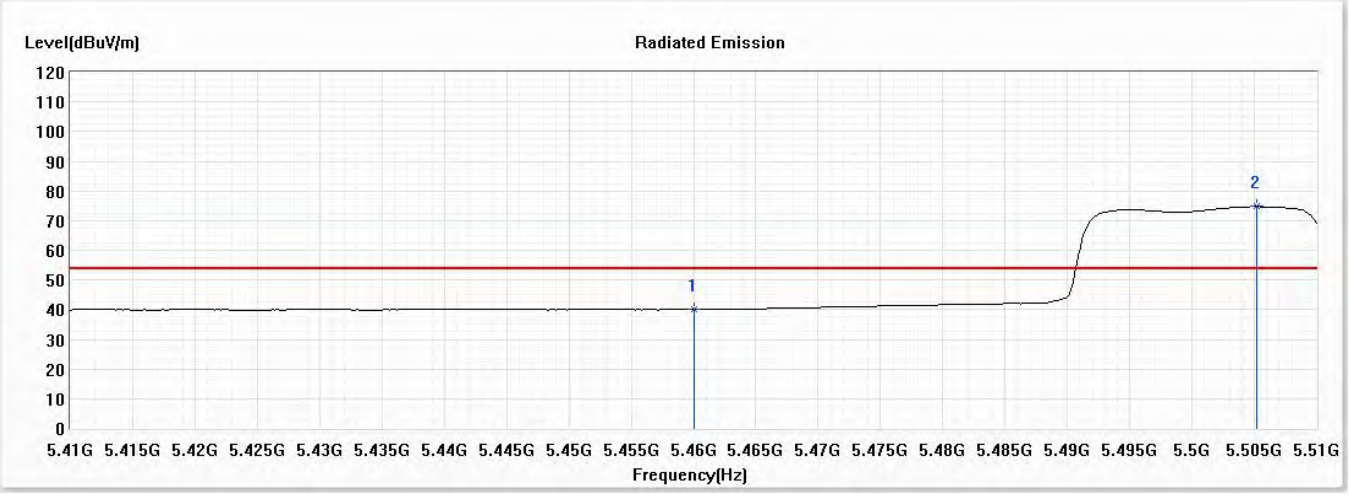
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5431.884	53.87	74.00	-20.13	36.97	16.90	PK
2	5460.000	53.36	74.00	-20.64	36.46	16.90	PK
3	5503.478	85.47	--	--	68.41	17.06	PK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 3: Transmit (802.11n-40BW 15Mbps) (5510MHz)
Test Date	:	2020/10/20

Horizontal



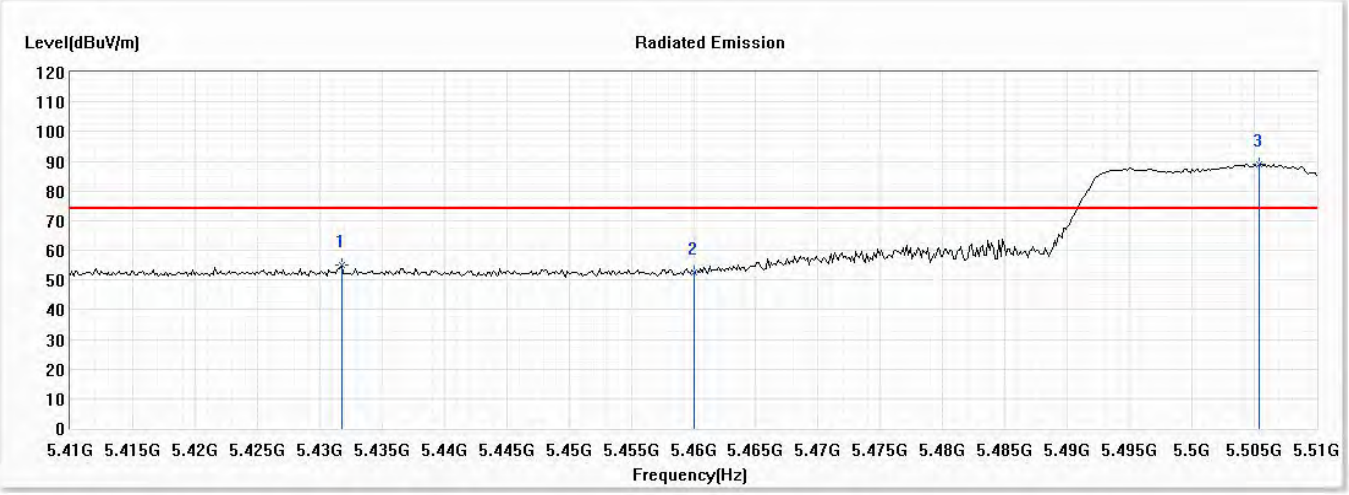
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5460.000	40.07	54.00	-13.93	23.17	16.90	AV
2	5505.217	74.72	--	--	57.65	17.07	AV

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 3: Transmit (802.11n-40BW 15Mbps) (5510MHz)
Test Date	:	2020/10/20

Vertical



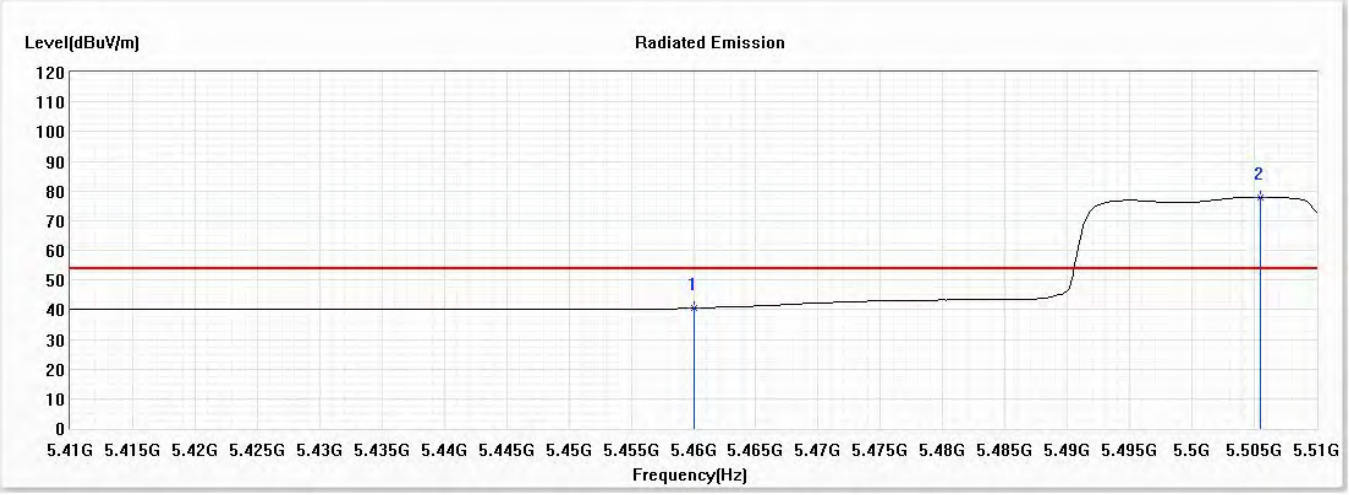
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5431.739	54.89	74.00	-19.11	37.99	16.90	PK
2	5460.000	52.42	74.00	-21.58	35.52	16.90	PK
3	5505.362	89.08	--	--	72.01	17.07	PK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 3: Transmit (802.11n-40BW 15Mbps) (5510MHz)
Test Date	:	2020/10/20

Vertical



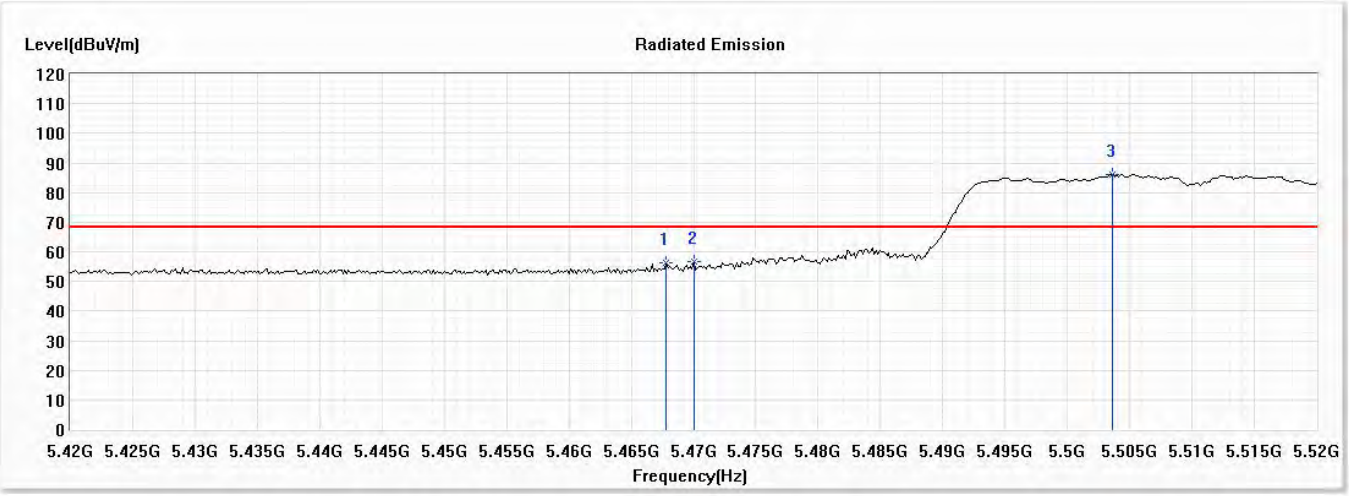
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5460.000	40.51	54.00	-13.49	23.61	16.90	AV
2	5505.507	77.97	--	--	60.90	17.07	AV

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 3: Transmit (802.11n-40BW 15Mbps) (5510MHz)
Test Date	:	2020/10/20

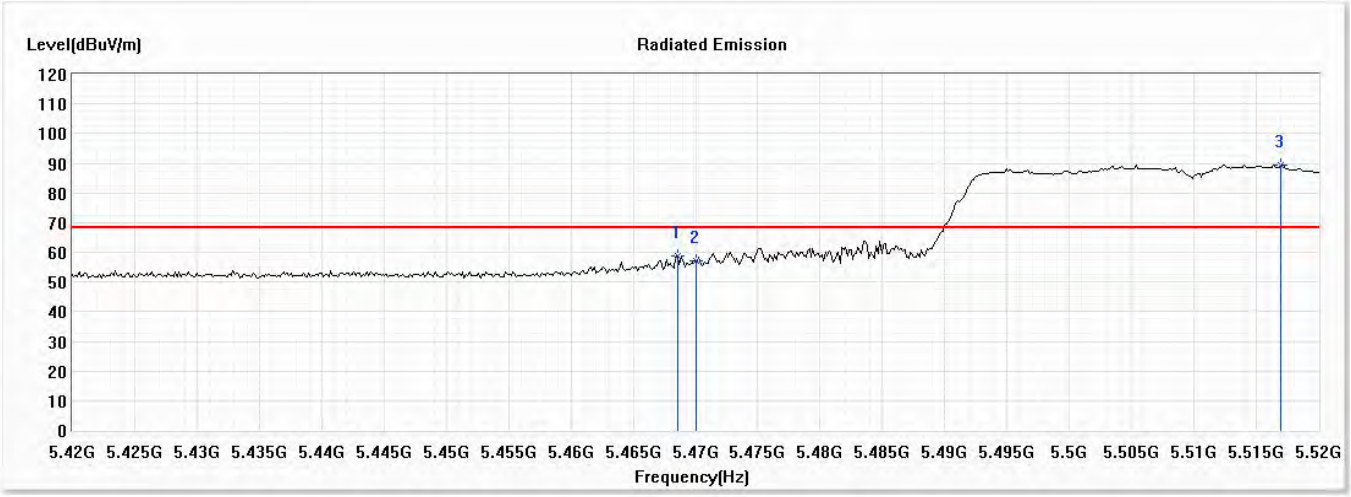
Horizontal



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5467.826	56.30	68.22	-11.92	39.38	16.92	PK
2	5470.000	56.50	68.22	-11.72	39.57	16.93	PK
3	5503.623	85.98	--	--	68.92	17.06	PK

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 3: Transmit (802.11n-40BW 15Mbps) (5510MHz)
Test Date	:	2020/10/20

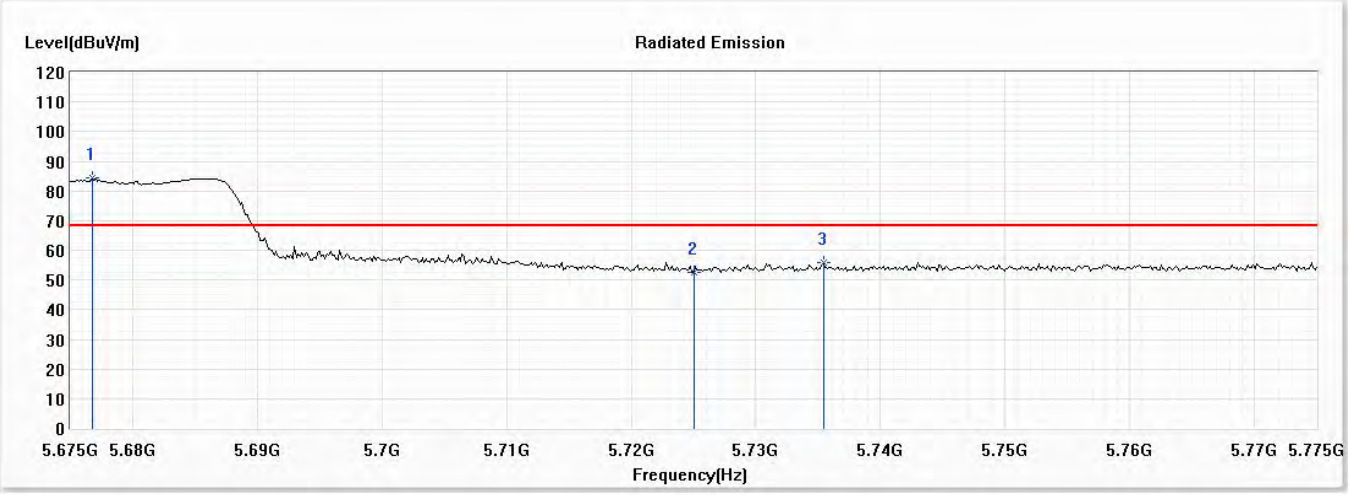
Vertical



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5468.551	58.80	68.22	-9.42	41.87	16.93	PK
2	5470.000	57.24	68.22	-10.98	40.31	16.93	PK
3	5516.957	89.41	--	--	72.31	17.10	PK

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 3: Transmit (802.11n-40BW 15Mbps) (5670MHz)
Test Date	:	2020/10/20

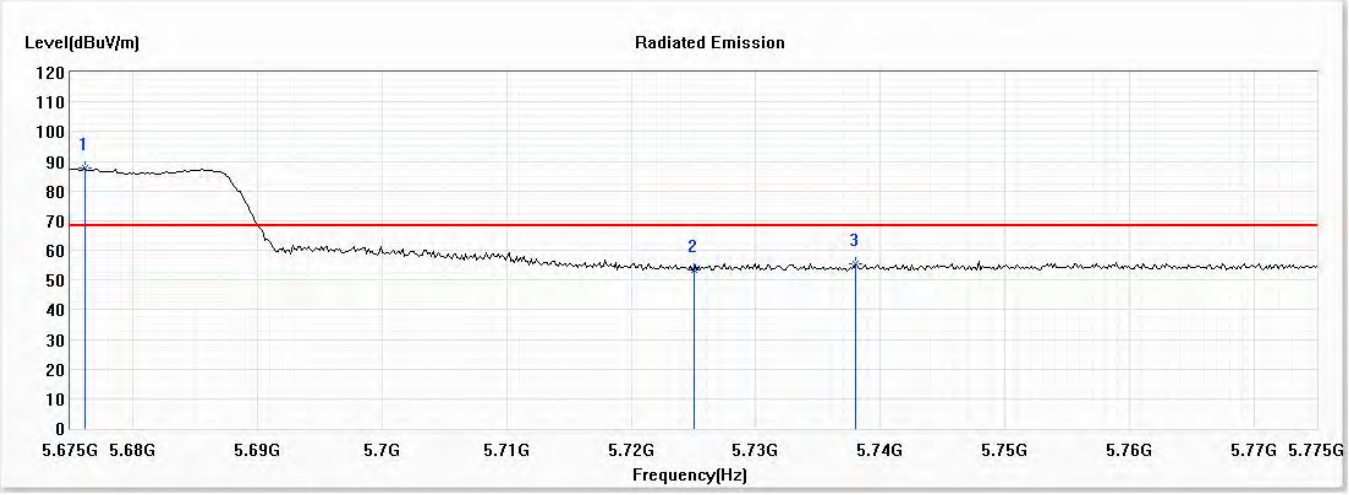
Horizontal



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5676.739	84.34	--	--	66.92	17.42	PK
2	5725.000	52.72	68.22	-15.50	35.33	17.39	PK
3	5735.435	55.68	68.22	-12.54	38.25	17.43	PK

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 3: Transmit (802.11n-40BW 15Mbps) (5670MHz)
Test Date	:	2020/10/20

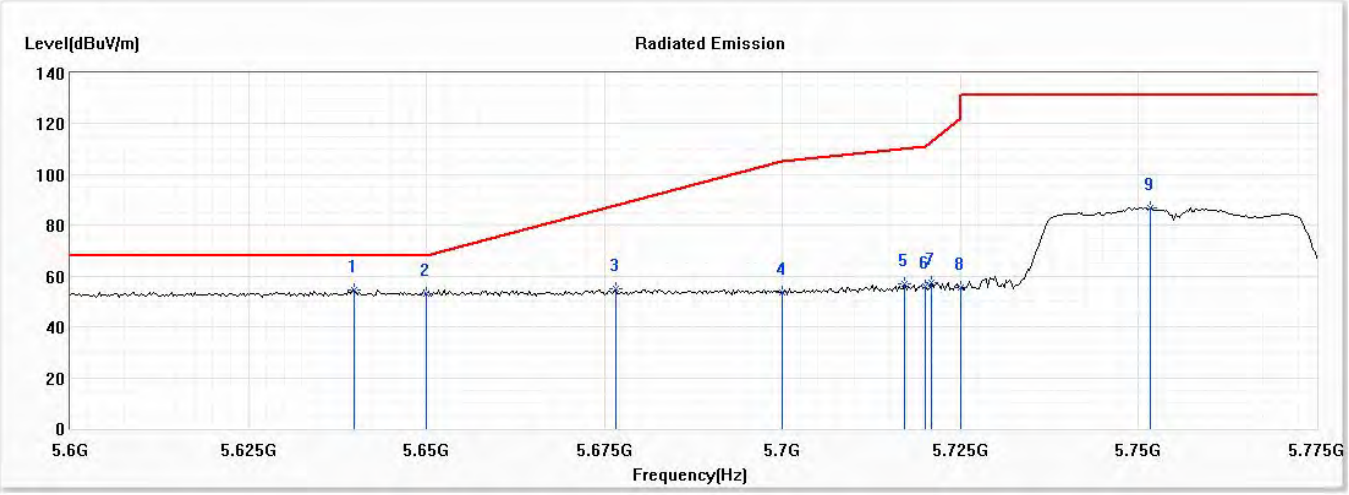
Vertical



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5676.159	87.67	--	--	70.25	17.42	PK
2	5725.000	53.38	68.22	-14.84	35.99	17.39	PK
3	5738.043	55.36	68.22	-12.86	37.91	17.45	PK

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 3: Transmit (802.11n-40BW 15Mbps) (5755MHz)
Test Date	:	2020/10/20

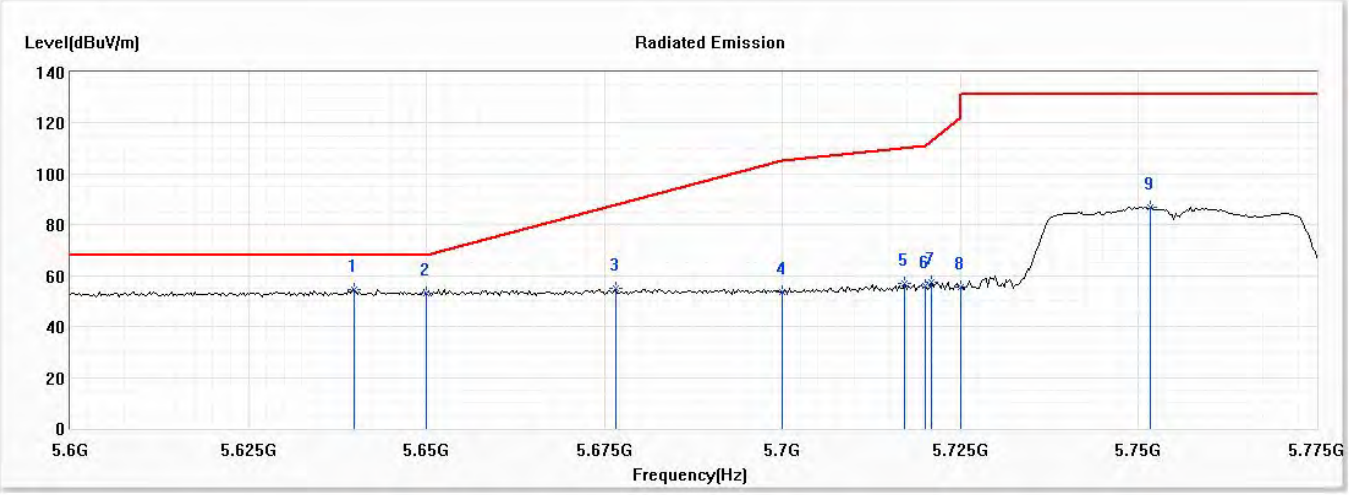
Horizontal



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	5639.819	54.78	68.22	-13.44	37.56	17.22	PK
2	5650.000	52.94	68.22	-15.28	35.70	17.24	PK
3	5676.594	55.11	87.93	-32.82	37.69	17.42	PK
4	5700.000	53.58	105.20	-51.62	36.15	17.43	PK
5	5717.174	56.83	110.01	-53.18	39.44	17.39	PK
6	5720.000	56.09	110.80	-54.71	38.70	17.39	PK
7	5720.978	57.52	113.03	-55.51	40.13	17.39	PK
8	5725.000	55.50	122.20	-66.70	38.11	17.39	PK
9	5751.667	87.13	--	--	69.65	17.48	PK

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 3: Transmit (802.11n-40BW 15Mbps) (5755MHz)
Test Date	:	2020/10/20

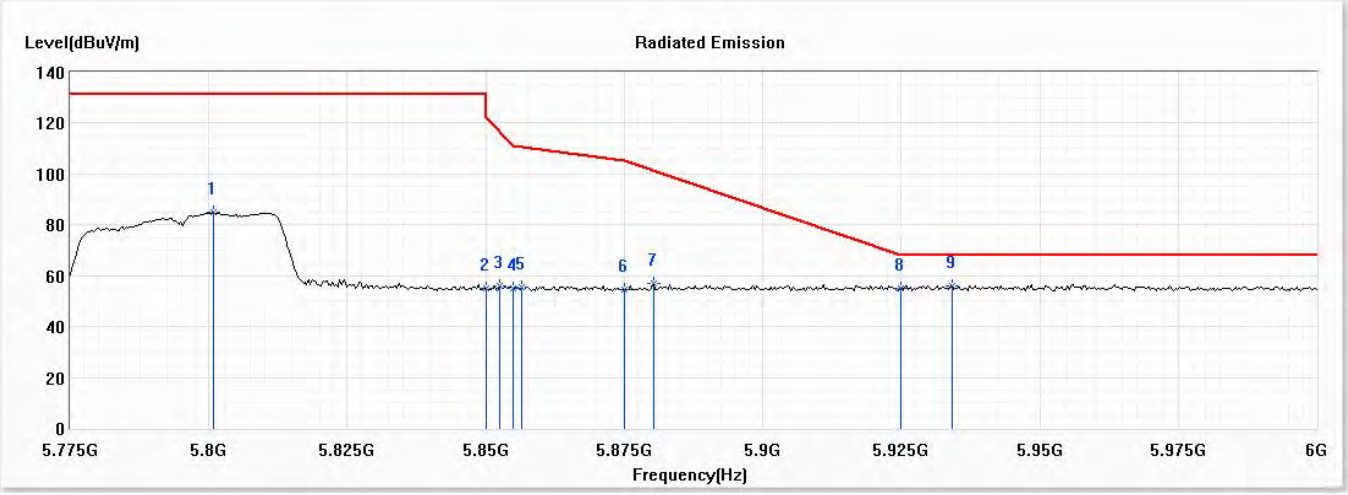
Vertical



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
* 1	5639.819	54.78	68.22	-13.44	37.56	17.22	PK
2	5650.000	52.94	68.22	-15.28	35.70	17.24	PK
3	5676.594	55.11	87.93	-32.82	37.69	17.42	PK
4	5700.000	53.58	105.20	-51.62	36.15	17.43	PK
5	5717.174	56.83	110.01	-53.18	39.44	17.39	PK
6	5720.000	56.09	110.80	-54.71	38.70	17.39	PK
7	5720.978	57.52	113.03	-55.51	40.13	17.39	PK
8	5725.000	55.50	122.20	-66.70	38.11	17.39	PK
9	5751.667	87.13	--	--	69.65	17.48	PK

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 3: Transmit (802.11n-40BW 15Mbps) (5795MHz)
Test Date	:	2020/10/20

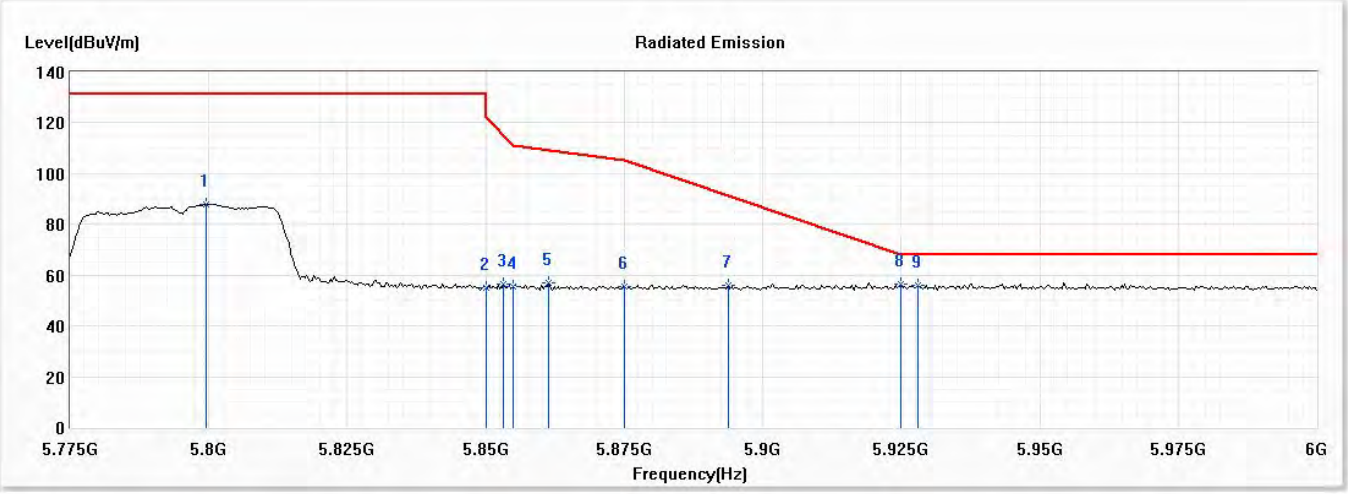
Horizontal



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5800.761	84.89	--	--	67.23	17.66	PK
2	5850.000	54.96	122.20	-67.24	37.10	17.86	PK
3	5852.609	55.86	116.25	-60.39	37.98	17.88	PK
4	5855.000	54.99	110.80	-55.81	37.13	17.86	PK
5	5856.522	55.65	110.37	-54.73	37.80	17.85	PK
6	5875.000	54.49	105.20	-50.71	36.69	17.80	PK
7	5880.326	56.78	101.25	-44.47	38.96	17.82	PK
8	5925.000	55.01	68.22	-13.21	36.98	18.03	PK
* 9	5934.130	55.85	68.22	-12.37	37.80	18.05	PK

Product : Multimedia device with Bluetooth and WLAN
Test Item : Band Edge Data
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps) (5795MHz)
Test Date : 2020/10/20

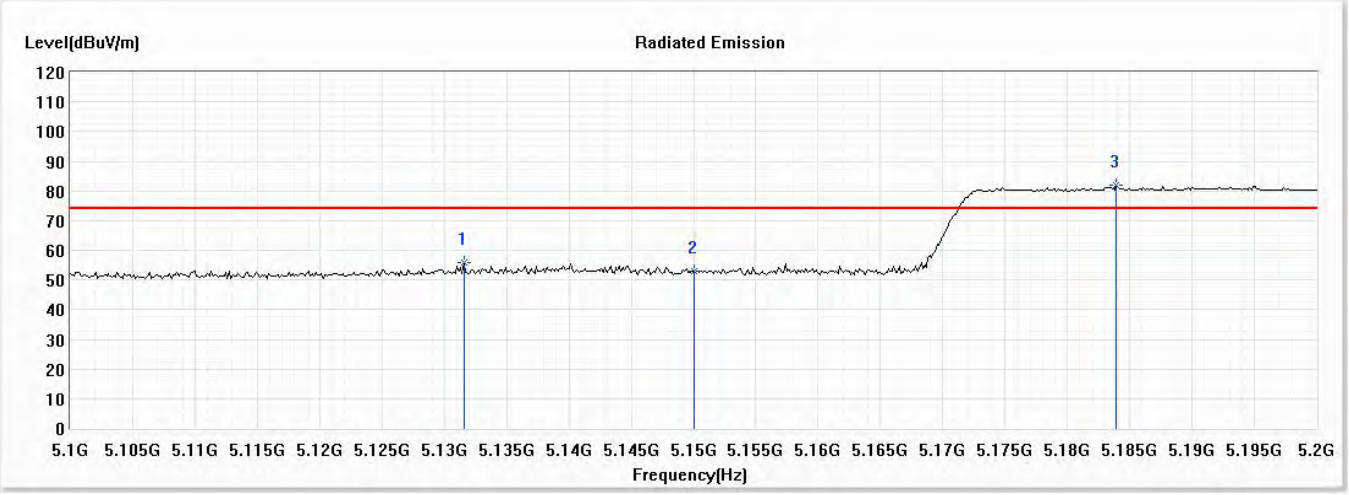
Vertical



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5799.457	88.03	--	--	70.37	17.66	PK
2	5850.000	54.95	122.20	-67.25	37.09	17.86	PK
3	5853.261	56.44	114.76	-58.32	38.57	17.87	PK
4	5855.000	55.36	110.80	-55.44	37.50	17.86	PK
5	5861.413	56.97	109.00	-52.03	39.14	17.83	PK
6	5875.000	55.59	105.20	-49.61	37.79	17.80	PK
7	5893.696	56.22	91.34	-35.12	38.36	17.86	PK
* 8	5925.000	56.28	68.22	-11.94	38.25	18.03	PK
9	5927.935	56.23	68.22	-11.99	38.19	18.04	PK

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 4: Transmit (802.11ac-80BW 36Mbps) (5210MHz)
Test Date	:	2020/10/20

Horizontal



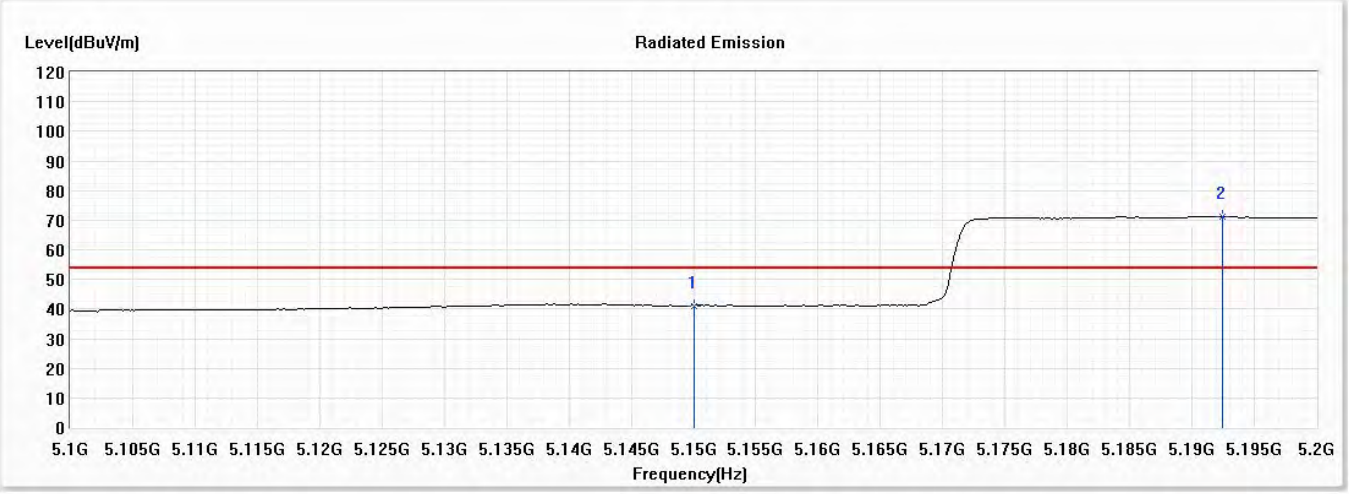
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5131.594	55.83	74.00	-18.17	39.75	16.08	PK
2	5150.000	53.14	74.00	-20.86	37.11	16.03	PK
3	5183.913	81.82	--	--	65.57	16.25	PK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 4: Transmit (802.11ac-80BW 36Mbps) (5210MHz)
Test Date	:	2020/10/20

Horizontal



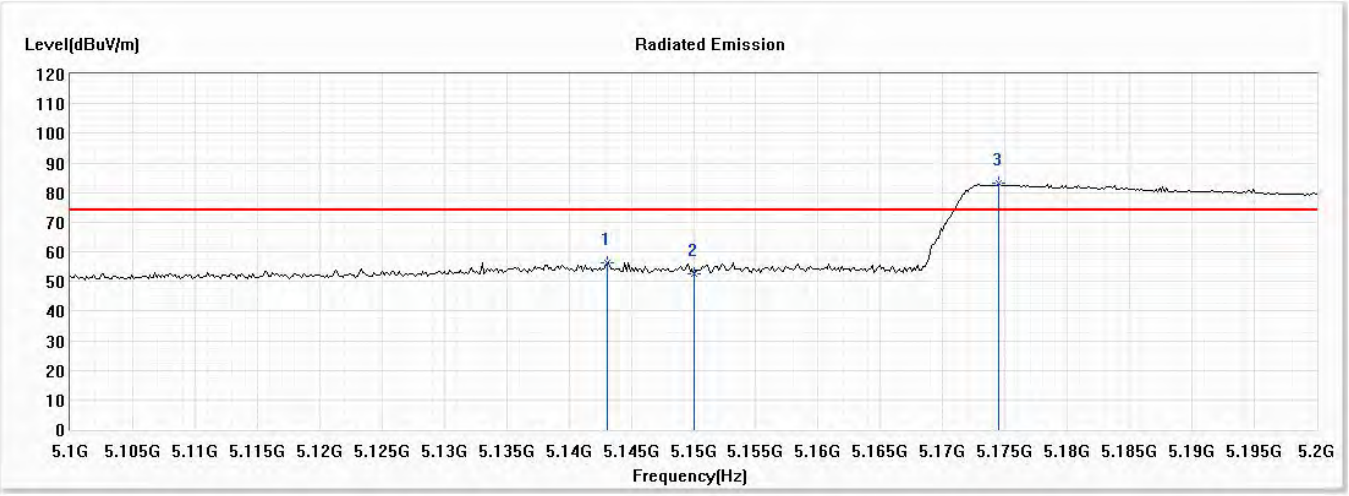
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5150.000	41.15	54.00	-12.85	25.12	16.03	AV
2	5192.464	71.30	--	--	55.01	16.29	AV

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 4: Transmit (802.11ac-80BW 36Mbps) (5210MHz)
Test Date	:	2020/10/20

Vertical



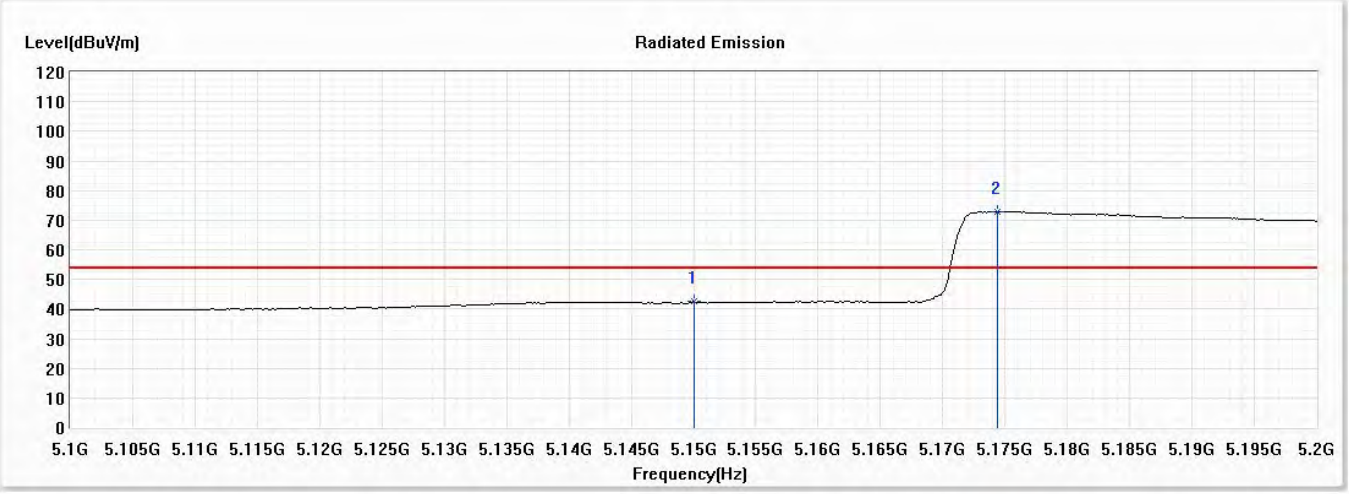
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5143.043	56.44	74.00	-17.56	40.39	16.05	PK
2	5150.000	52.60	74.00	-21.40	36.57	16.03	PK
3	5174.493	83.17	--	--	66.97	16.20	PK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 4: Transmit (802.11ac-80BW 36Mbps) (5210MHz)
Test Date	:	2020/10/20

Vertical



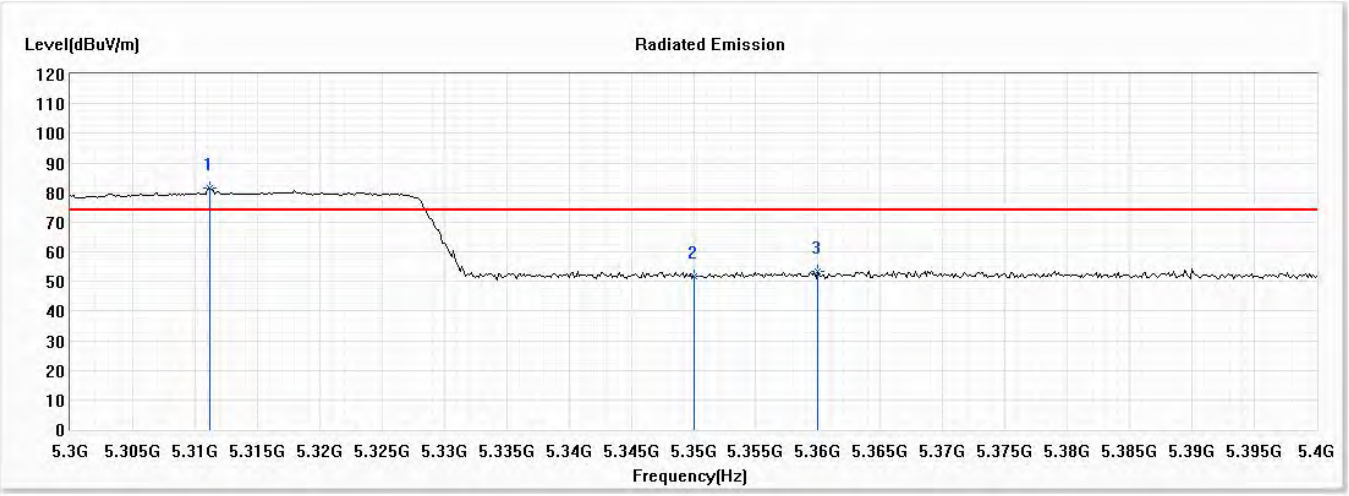
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5150.000	42.48	54.00	-11.52	26.45	16.03	AV
2	5174.348	72.87	--	--	56.67	16.20	AV

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 4: Transmit (802.11ac-80BW 36Mbps) (5290MHz)
Test Date	:	2020/10/20

Horizontal



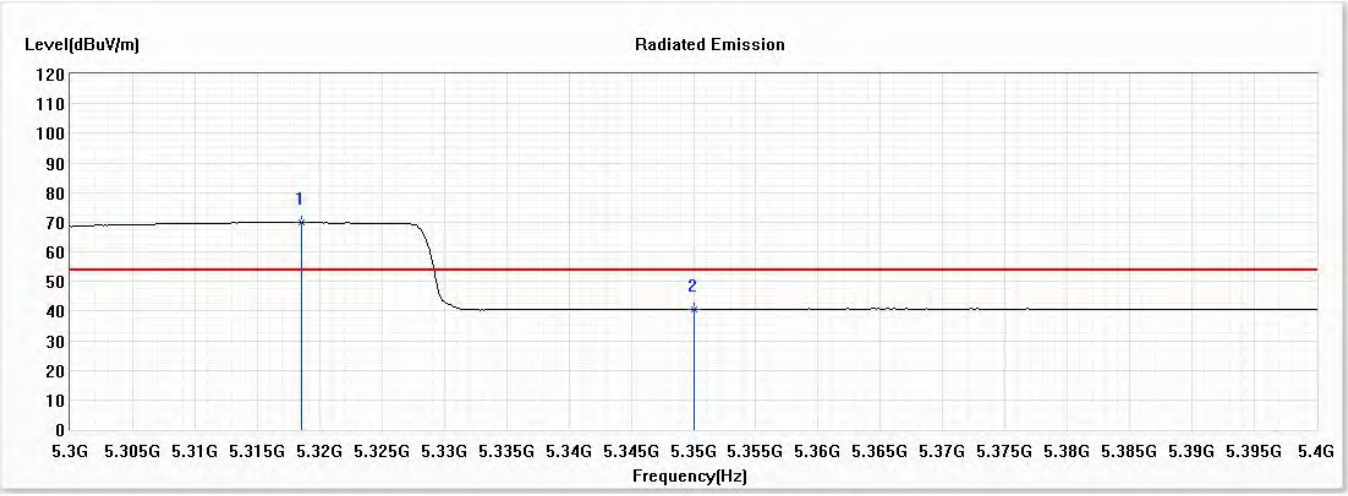
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5311.159	81.32	--	--	64.69	16.63	PK
2	5350.000	51.66	74.00	-22.34	35.03	16.63	PK
3	5360.000	53.45	74.00	-20.55	36.75	16.70	PK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 4: Transmit (802.11ac-80BW 36Mbps) (5290MHz)
Test Date	:	2020/10/20

Horizontal



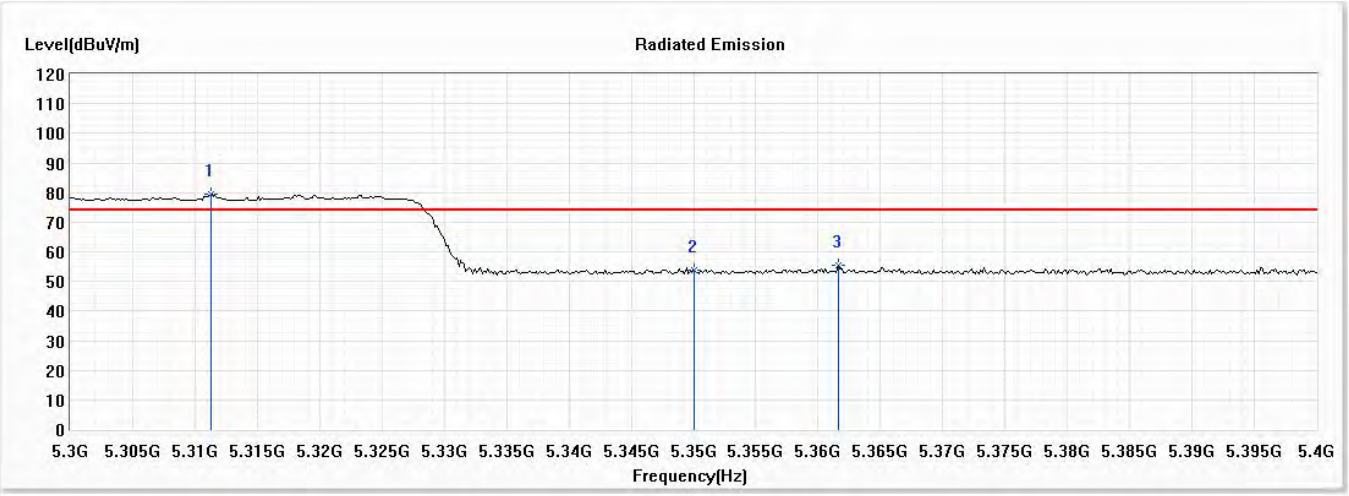
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5318.551	69.97	--	--	53.36	16.61	AV
2	5350.000	40.50	54.00	-13.50	23.87	16.63	AV

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 4: Transmit (802.11ac-80BW 36Mbps) (5290MHz)
Test Date	:	2020/10/20

Vertical



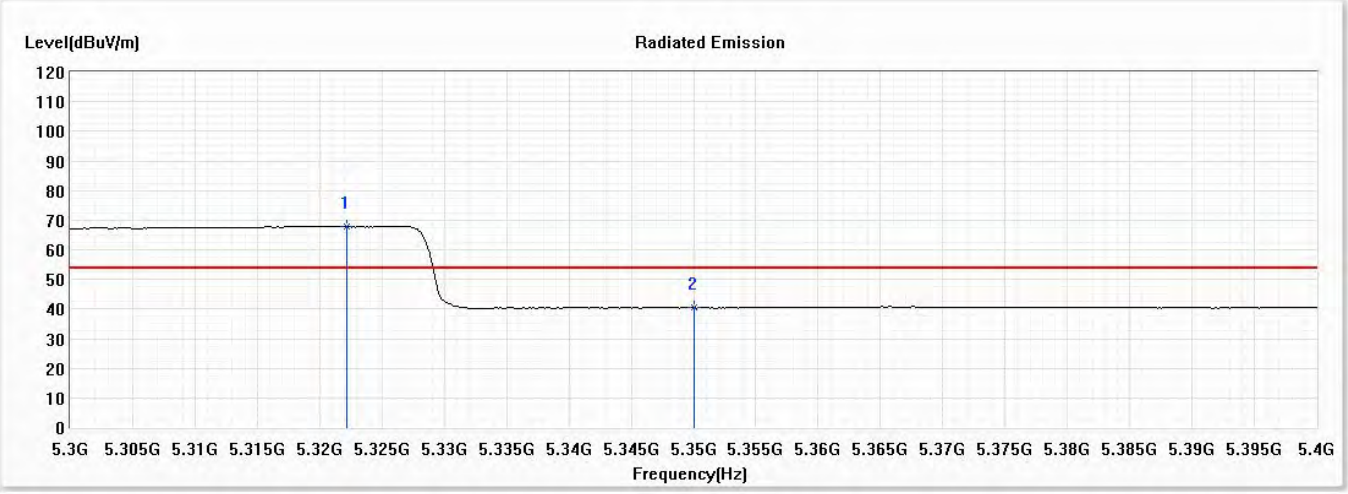
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5311.304	79.27	--	--	62.64	16.63	PK
2	5350.000	53.73	74.00	-20.27	37.10	16.63	PK
3	5361.594	55.28	74.00	-18.72	38.58	16.70	PK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 4: Transmit (802.11ac-80BW 36Mbps) (5290MHz)
Test Date	:	2020/10/20

Vertical



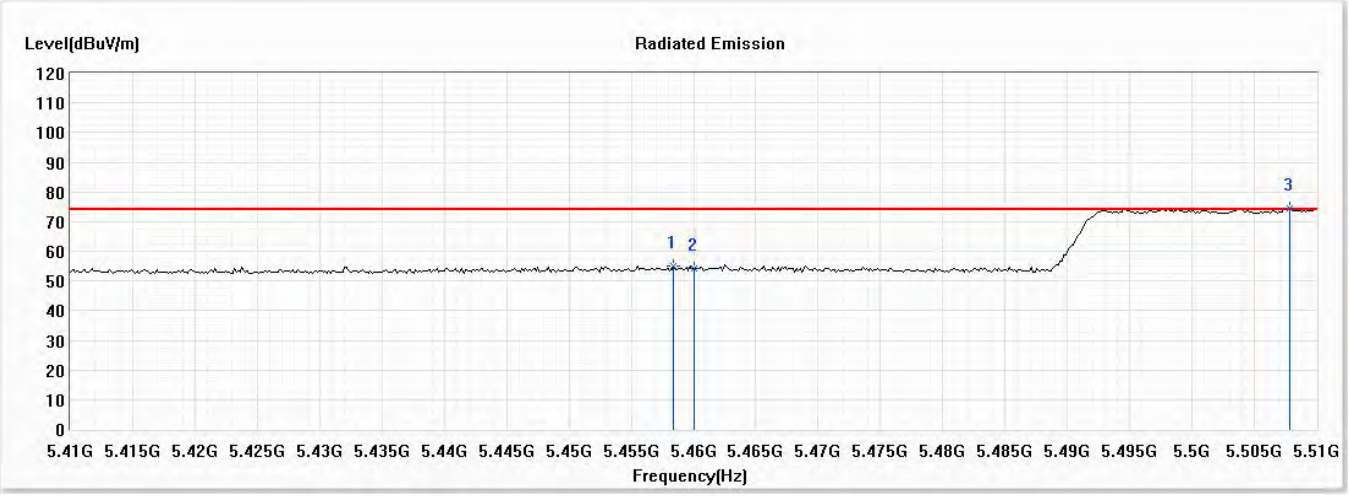
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5322.174	67.95	--	--	51.34	16.61	AV
2	5350.000	40.35	54.00	-13.65	23.72	16.63	AV

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 4: Transmit (802.11ac-80BW 36Mbps) (5530MHz)
Test Date	:	2020/10/20

Horizontal



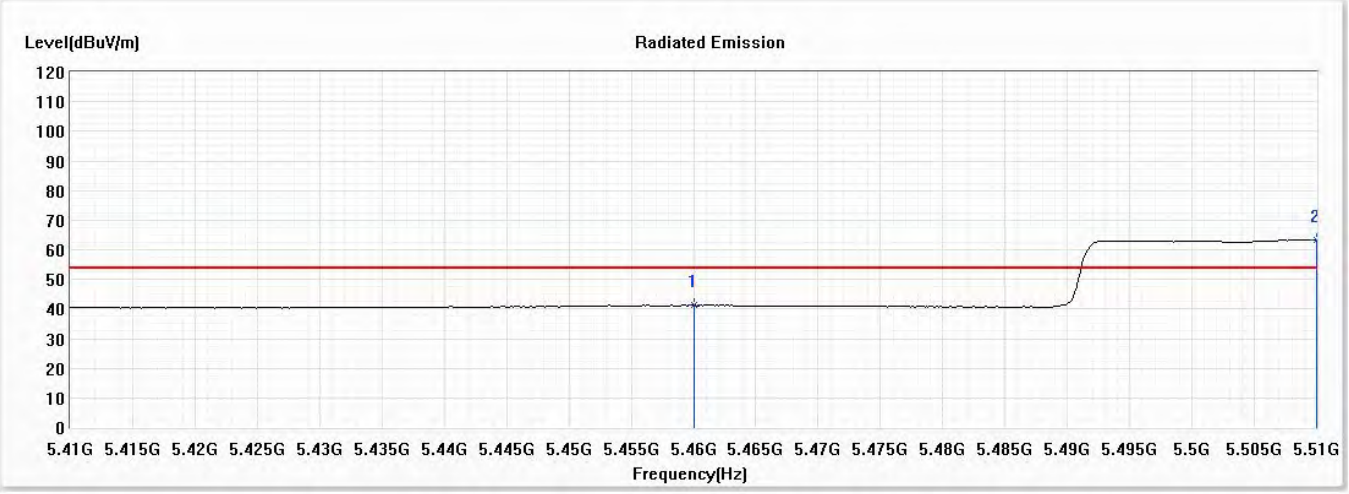
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5458.406	55.13	74.00	-18.87	38.24	16.89	PK
2	5460.000	54.15	74.00	-19.85	37.25	16.90	PK
3	5507.826	74.62	--	--	57.53	17.09	PK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 4: Transmit (802.11ac-80BW 36Mbps) (5530MHz)
Test Date	:	2020/10/20

Horizontal



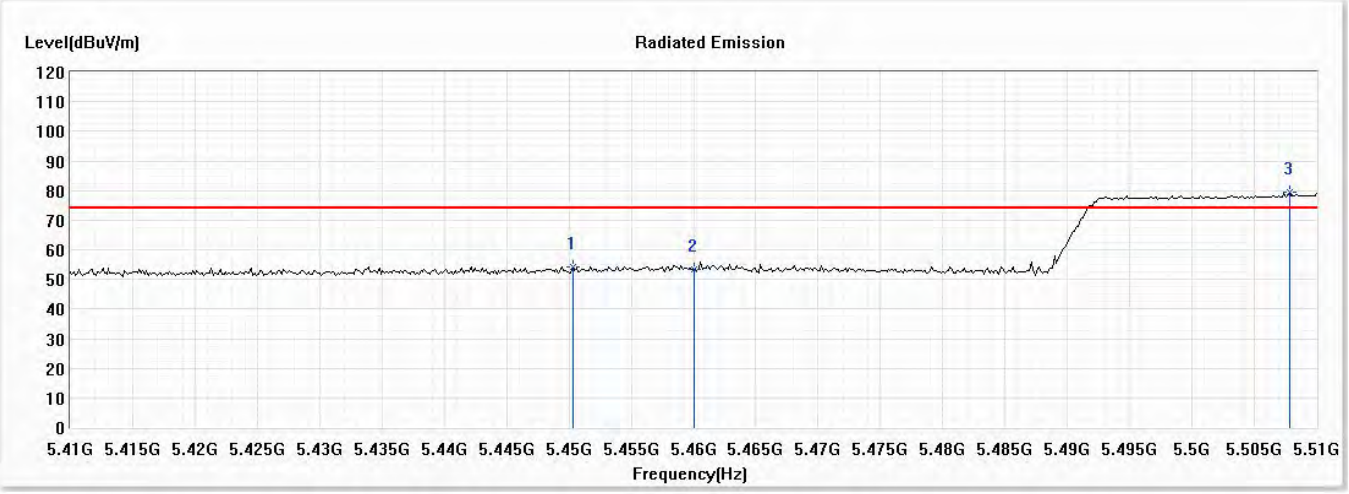
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5460.000	41.32	54.00	-12.68	24.42	16.90	AV
2	5510.000	63.50	--	--	46.40	17.10	AV

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 4: Transmit (802.11ac-80BW 36Mbps) (5530MHz)
Test Date	:	2020/10/20

Vertical



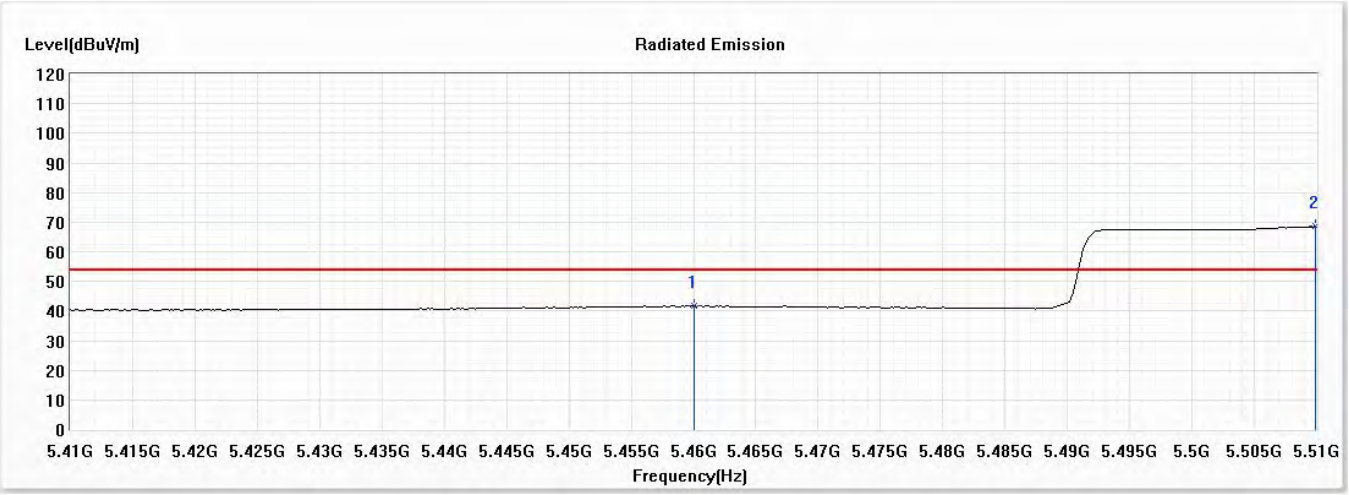
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5450.290	54.32	74.00	-19.68	37.42	16.90	PK
2	5460.000	53.34	74.00	-20.66	36.44	16.90	PK
3	5507.826	79.51	--	--	62.42	17.09	PK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 4: Transmit (802.11ac-80BW 36Mbps) (5530MHz)
Test Date	:	2020/10/20

Vertical



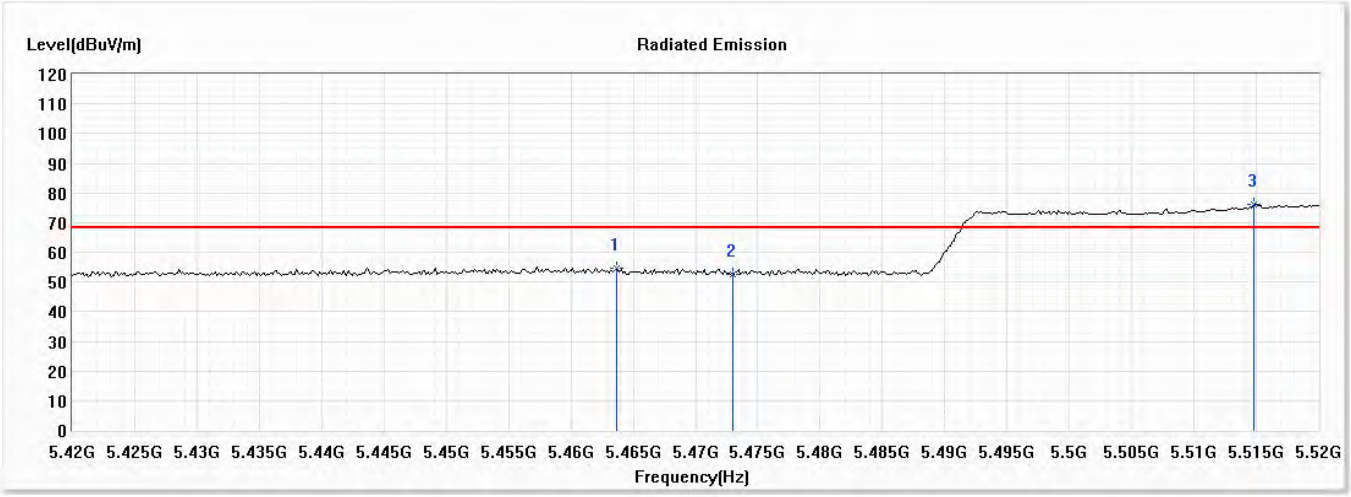
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5460.000	41.67	54.00	-12.33	24.77	16.90	AV
2	5509.855	68.52	--	--	51.42	17.10	AV

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. The average measurement was not performed when the peak measured data under the limit of average detection.

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 4: Transmit (802.11ac-80BW 36Mbps) (5530MHz)
Test Date	:	2020/10/20

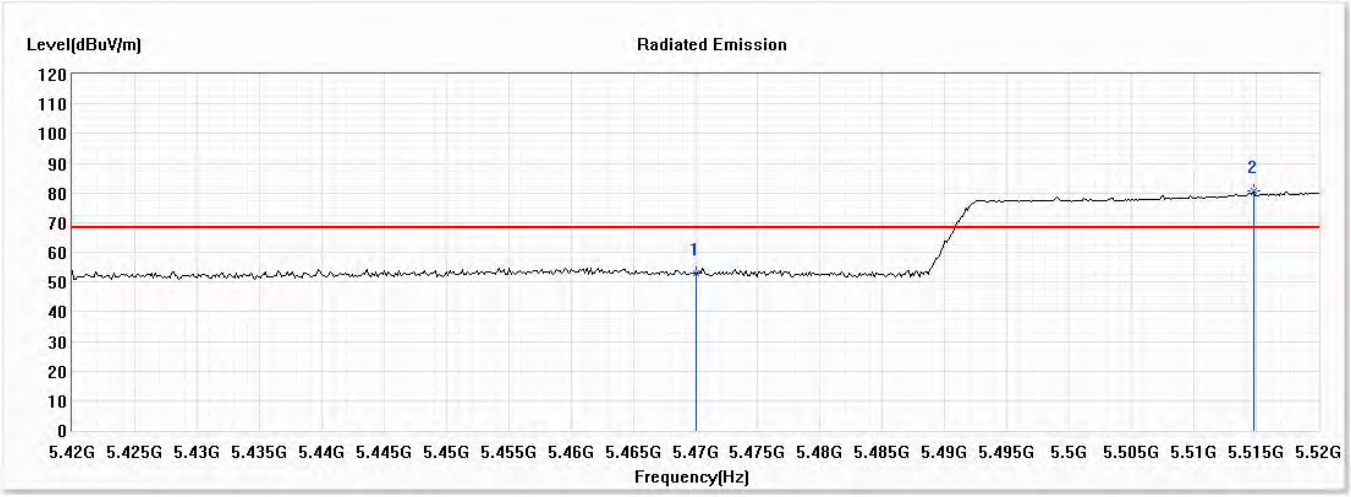
Horizontal



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5463.623	54.75	68.22	-13.47	37.85	16.90	PK
2	5473.000	52.71	68.22	-15.51	35.77	16.94	PK
3	5514.783	76.11	--	--	59.01	17.10	PK

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 4: Transmit (802.11ac-80BW 36Mbps) (5530MHz)
Test Date	:	2020/10/20

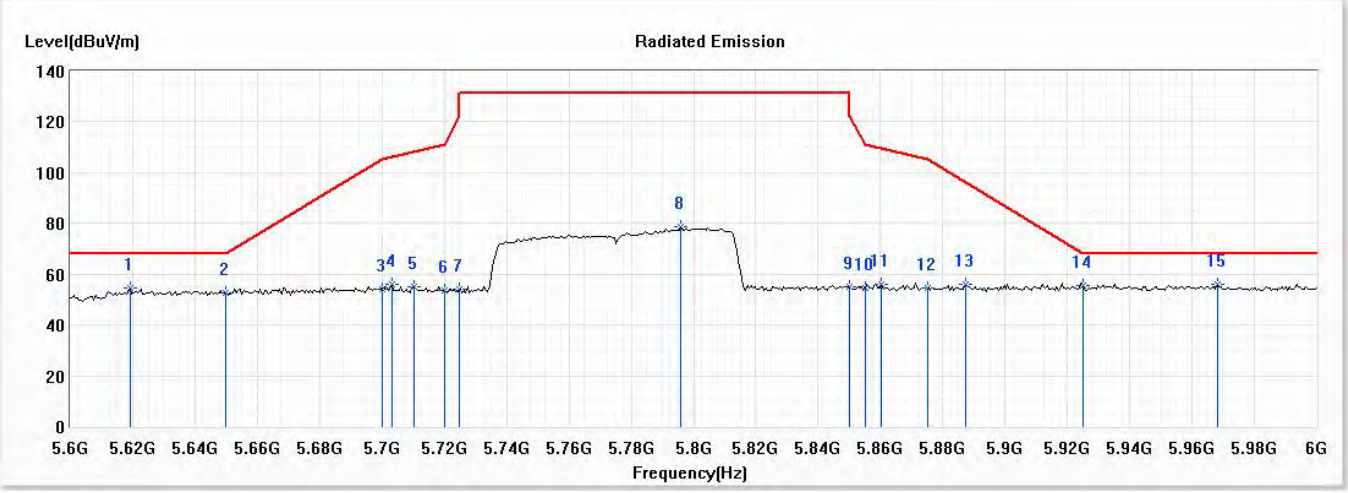
Vertical



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5470.000	53.12	68.22	-15.10	36.19	16.93	PK
2	5514.783	80.62	--	--	63.52	17.10	PK

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 4: Transmit (802.11ac-80BW 36Mbps) (5775MHz)
Test Date	:	2020/10/20

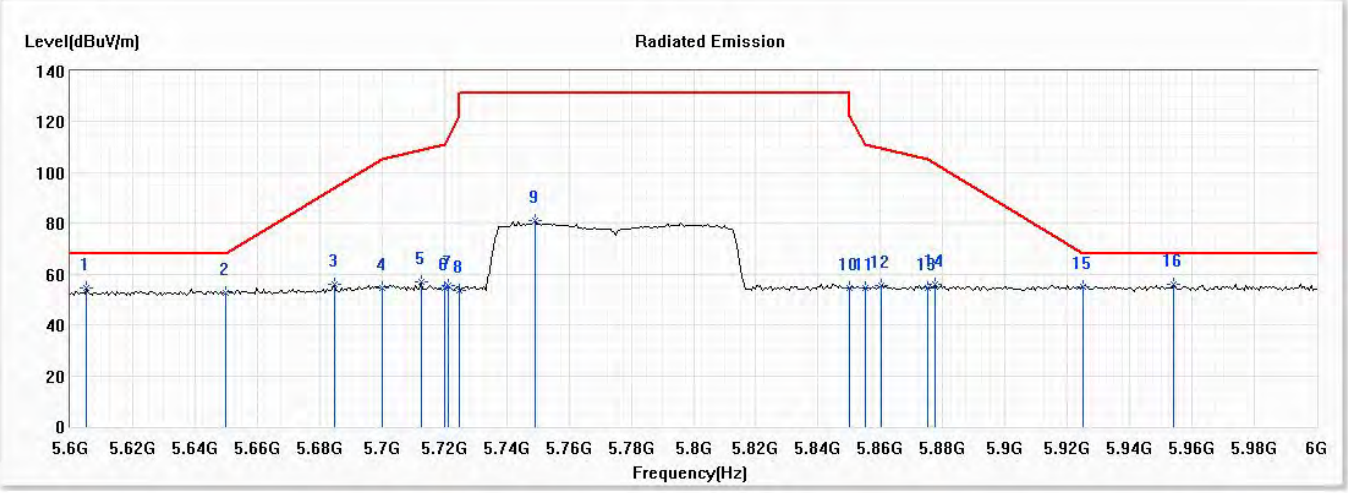
Horizontal



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5619.130	54.61	68.22	-13.61	37.46	17.15	PK
2	5650.000	52.67	68.22	-15.55	35.43	17.24	PK
3	5700.000	54.01	105.20	-51.19	36.58	17.43	PK
4	5703.188	55.85	106.09	-50.24	38.43	17.42	PK
5	5710.145	54.80	108.04	-53.24	37.41	17.39	PK
6	5720.000	53.39	110.80	-57.41	36.00	17.39	PK
7	5725.000	53.83	122.20	-68.37	36.44	17.39	PK
8	5795.942	78.47	--	--	60.82	17.65	PK
9	5850.000	54.80	122.20	-67.40	36.94	17.86	PK
10	5855.000	54.66	110.80	-56.14	36.80	17.86	PK
11	5860.290	56.08	109.32	-53.24	38.24	17.84	PK
12	5875.000	54.77	105.20	-50.43	36.97	17.80	PK
13	5887.536	55.78	95.90	-40.12	37.94	17.84	PK
14	5925.000	55.59	68.22	-12.63	37.56	18.03	PK
* 15	5968.116	55.88	68.22	-12.34	37.82	18.06	PK

Product	:	Multimedia device with Bluetooth and WLAN
Test Item	:	Band Edge Data
Test Mode	:	Mode 4: Transmit (802.11ac-80BW 36Mbps) (5775MHz)
Test Date	:	2020/10/20

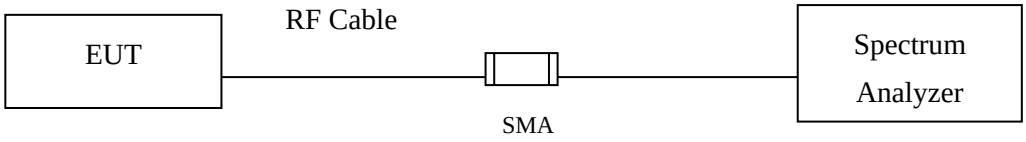
Vertical



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	5605.217	54.34	68.22	-13.88	37.20	17.14	PK
2	5650.000	52.75	68.22	-15.47	35.51	17.24	PK
3	5684.638	56.22	93.87	-37.65	38.77	17.45	PK
4	5700.000	54.39	105.20	-50.81	36.96	17.43	PK
5	5712.464	56.97	108.69	-51.72	39.59	17.38	PK
6	5720.000	54.68	110.80	-56.12	37.29	17.39	PK
7	5721.159	55.39	113.44	-58.06	38.00	17.39	PK
8	5725.000	53.78	122.20	-68.42	36.39	17.39	PK
9	5748.986	80.98	--	--	63.50	17.48	PK
10	5850.000	54.54	122.20	-67.66	36.68	17.86	PK
11	5855.000	54.72	110.80	-56.08	36.86	17.86	PK
12	5860.290	55.56	109.32	-53.76	37.72	17.84	PK
13	5875.000	54.47	105.20	-50.73	36.67	17.80	PK
14	5877.681	56.10	103.21	-47.11	38.28	17.82	PK
15	5925.000	55.02	68.22	-13.20	36.99	18.03	PK
* 16	5954.203	55.89	68.22	-12.33	37.81	18.08	PK

7. Occupied Bandwidth

7.1. Test Setup



7.2. Limits

For the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz

7.3. .Test Procedure

The EUT was setup to ANSI C63.10, 2013; tested to UNII test procedure of FCC KDB-789033 for compliance to FCC 47CFR Subpart E requirements.

7.4. Test Result of Occupied Bandwidth

Product : Multimedia device with Bluetooth and WLAN
Test Item : Occupied Bandwidth Data
Test Mode : Mode 1: Transmit (802.11a 6Mbps)
Test Date : 2020/10/14

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
149	5745	16450	>500	Pass
157	5785	16450	>500	Pass
165	5825	16400	>500	Pass

Figure Channel 149:

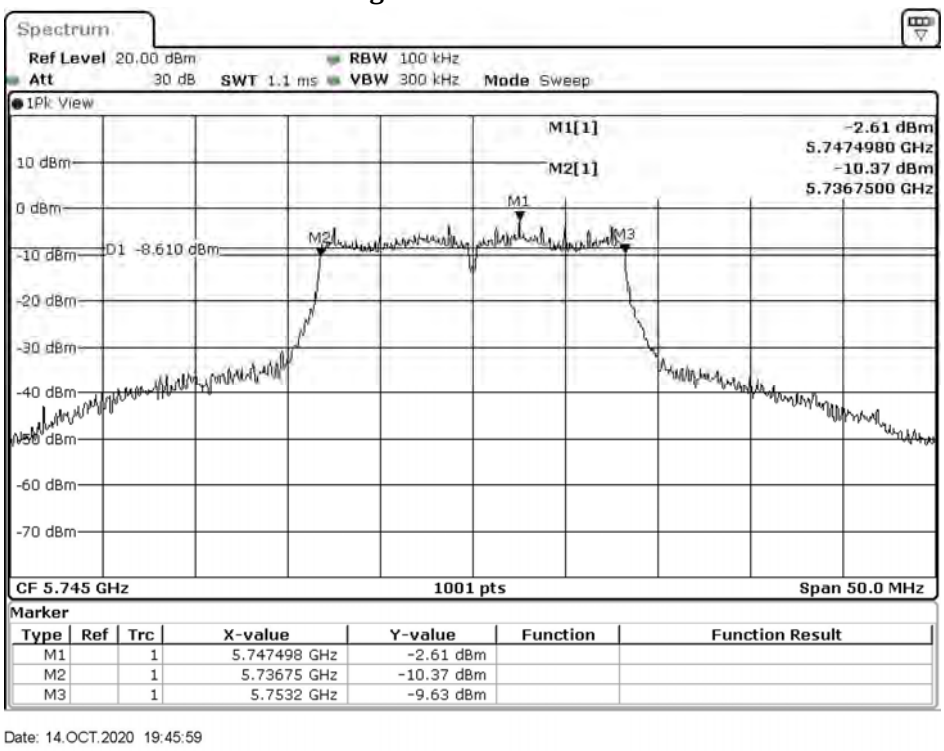
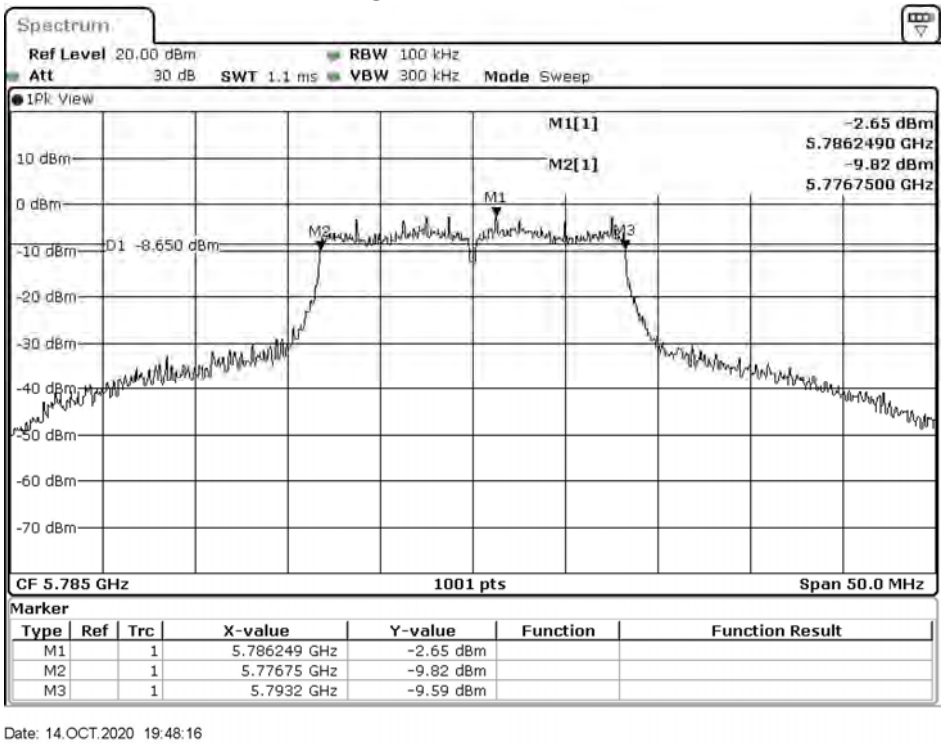
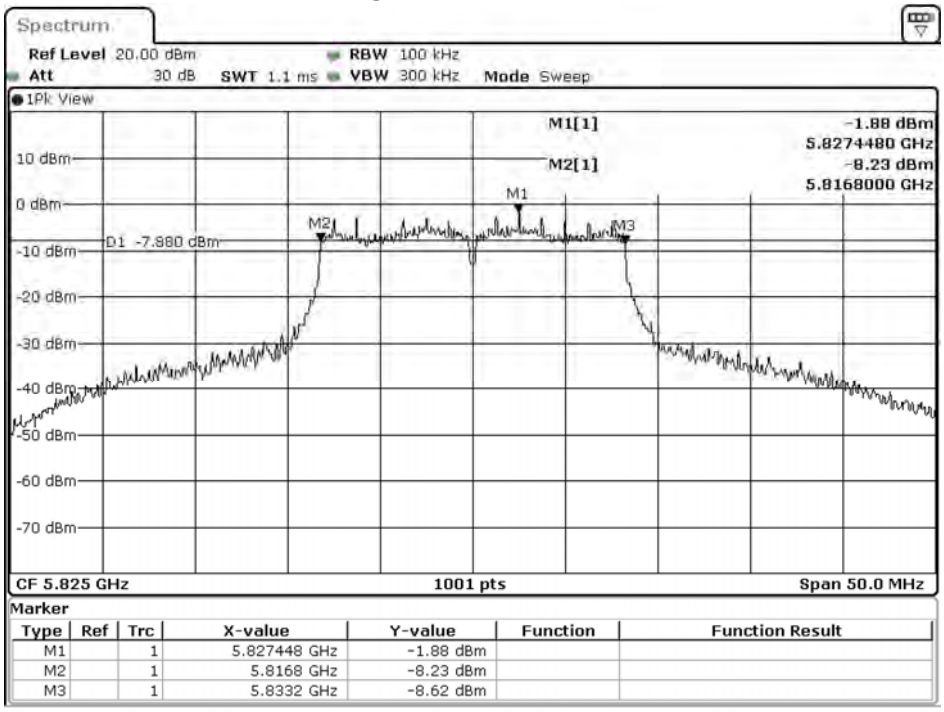


Figure Channel 157:



Date: 14.OCT.2020 19:48:16

Figure Channel 165:



Date: 14.OCT.2020 19:50:15

Product : Multimedia device with Bluetooth and WLAN
Test Item : Occupied Bandwidth Data
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps)
Test Date : 2020/10/14

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
149	5745	17750	>500	Pass
157	5785	17650	>500	Pass
165	5825	17650	>500	Pass

Figure Channel 149:

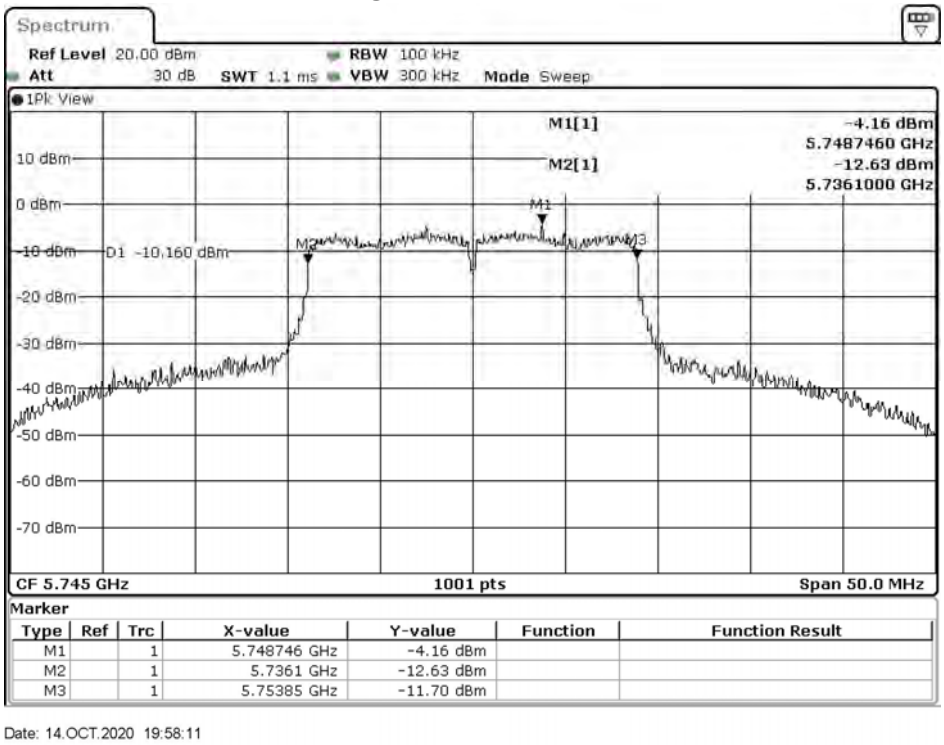
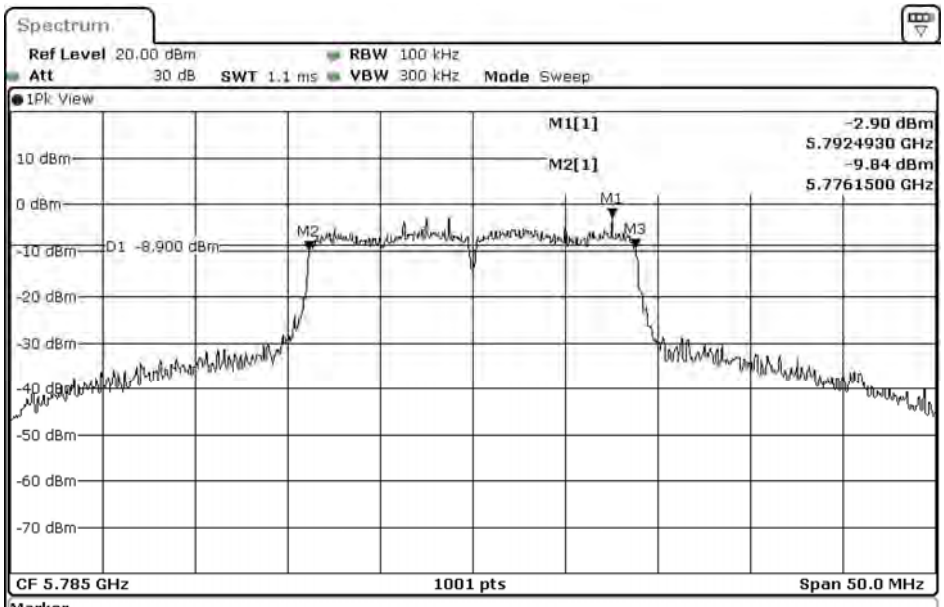


Figure Channel 157:

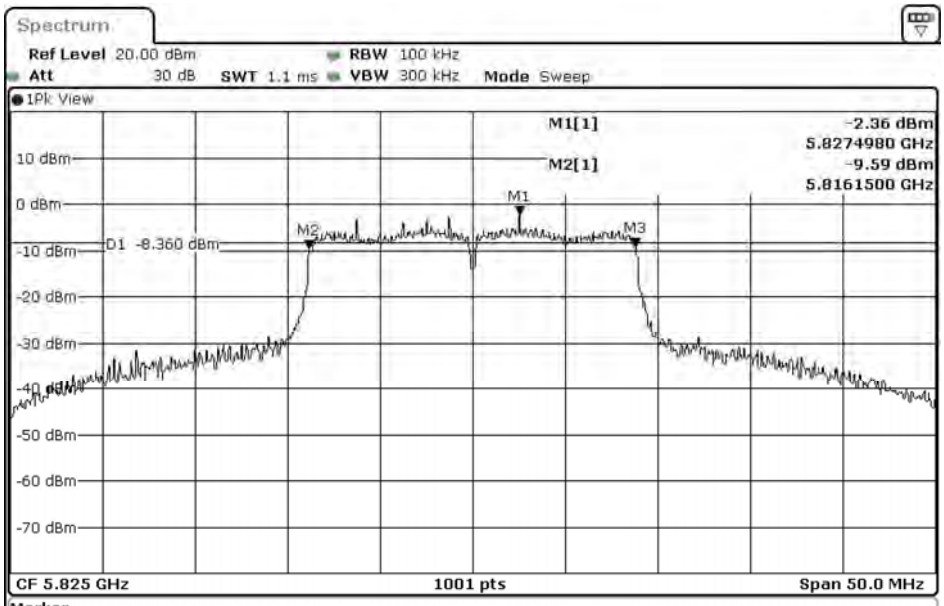


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.792493 GHz	-2.90 dBm		
M2		1	5.77615 GHz	-9.84 dBm		
M3		1	5.7938 GHz	-9.40 dBm		

Date: 14.OCT.2020 20:03:42

Figure Channel 165:



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.827498 GHz	-2.36 dBm		
M2		1	5.81615 GHz	-9.59 dBm		
M3		1	5.8338 GHz	-9.19 dBm		

Date: 14.OCT.2020 20:05:55

Product : Multimedia device with Bluetooth and WLAN
Test Item : Occupied Bandwidth Data
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps)
Test Date : 2020/10/14

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
151	5755	35700	>500	Pass
159	5795	35800	>500	Pass

Figure Channel 151:

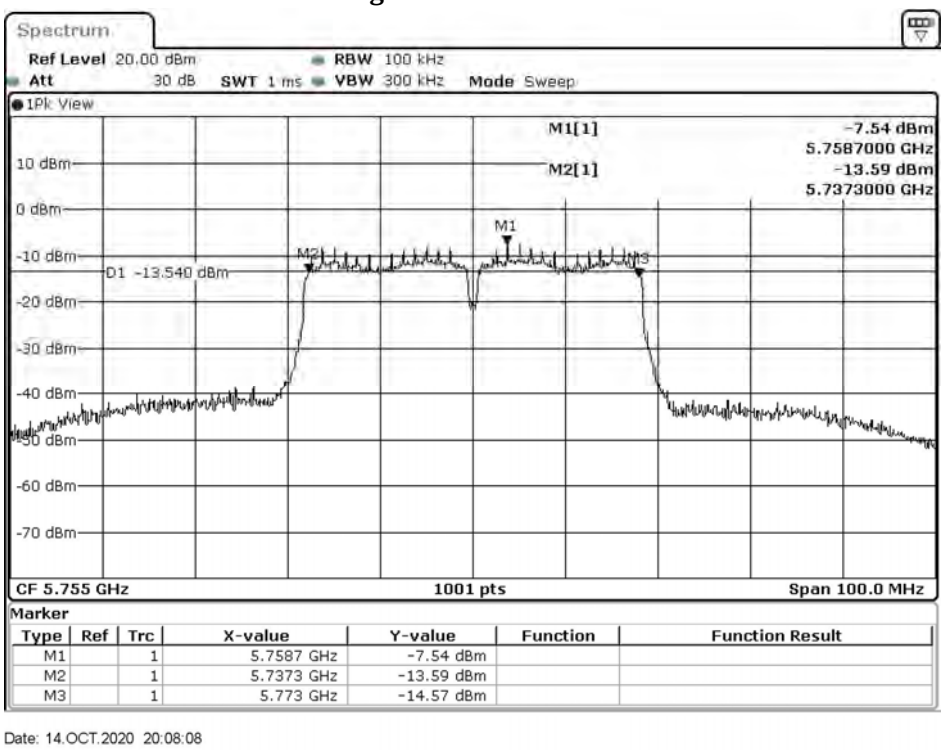
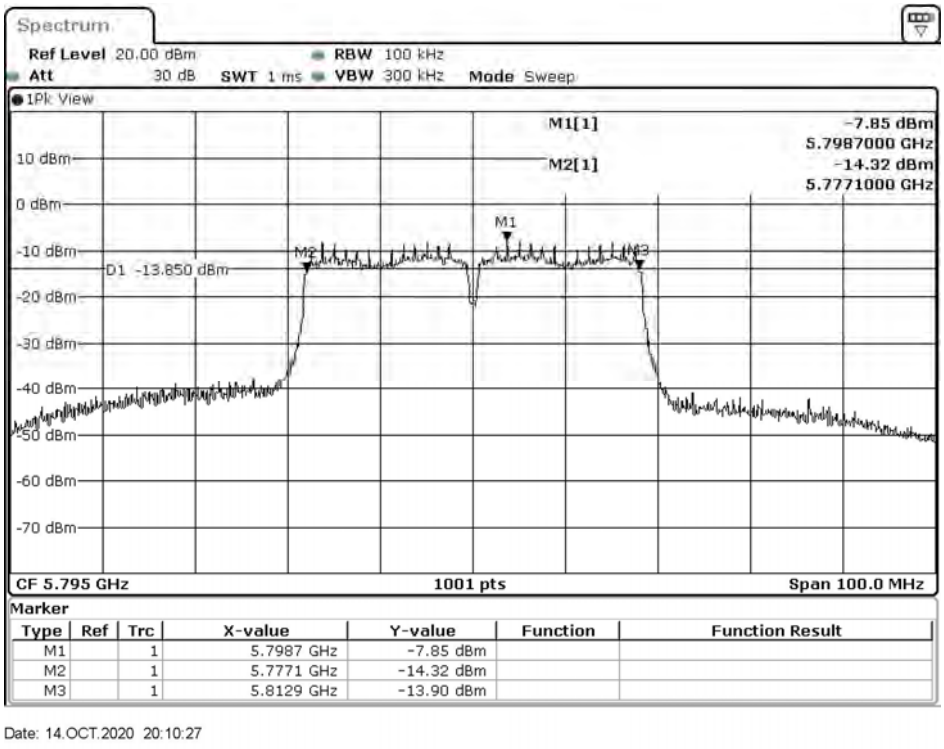


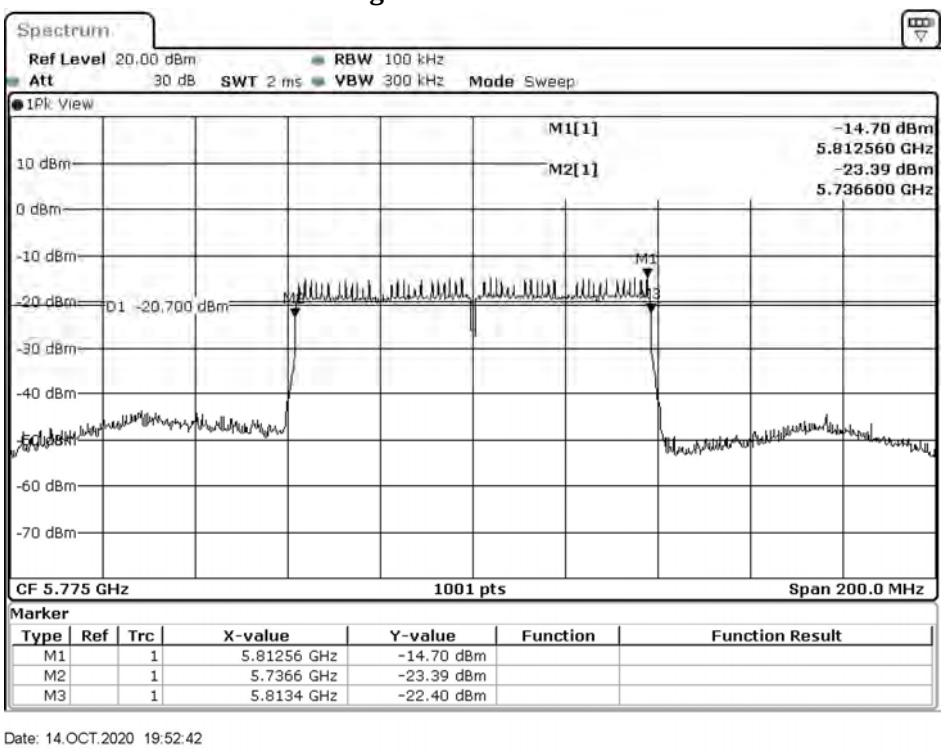
Figure Channel 159:



Product : Multimedia device with Bluetooth and WLAN
Test Item : Occupied Bandwidth Data
Test Mode : Mode 4: Transmit (802.11ac-80BW 36Mbps)
Test Date : 2020/10/14

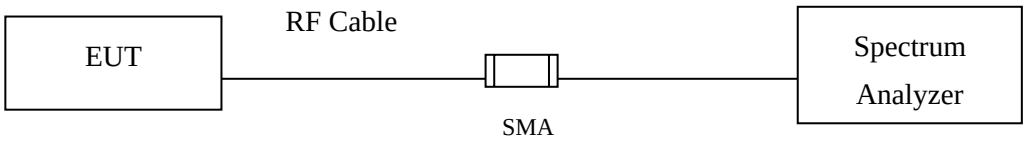
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
155	5775	76800	>500	Pass

Figure Channel 155:



8. Duty Cycle

8.1. Test Setup



8.2. Test Procedure

The EUT was setup according to ANSI C63.10 2013; tested according to U-NII test procedure of KDB789033 for compliance to FCC 47CFR 15.407 requirements.

8.3. Test Result of Duty Cycle

Product : Multimedia device with Bluetooth and WLAN
Test Item : Duty Cycle
Test Mode : Transmit

Duty Cycle Formula:

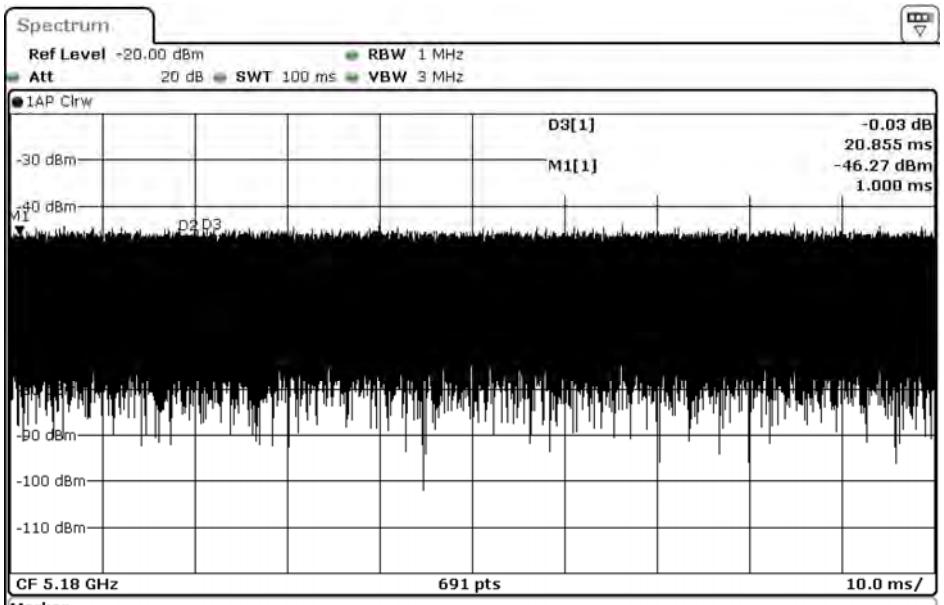
Duty Cycle = Ton / (Ton + Toff)

Duty Factor = 10 Log (1/Duty Cycle)

Results:

5GHz band	Ton (ms)	Ton + Toff (ms)	Duty Cycle (%)	Duty Factor (dB)
802.11a	1.0000	1.0000	100.00	0.00
802.11n20	1.0000	1.0000	100.00	0.00
802.11n40	1.0000	1.0000	100.00	0.00
802.11ac80	1.0000	1.0000	100.00	0.00

802.11a

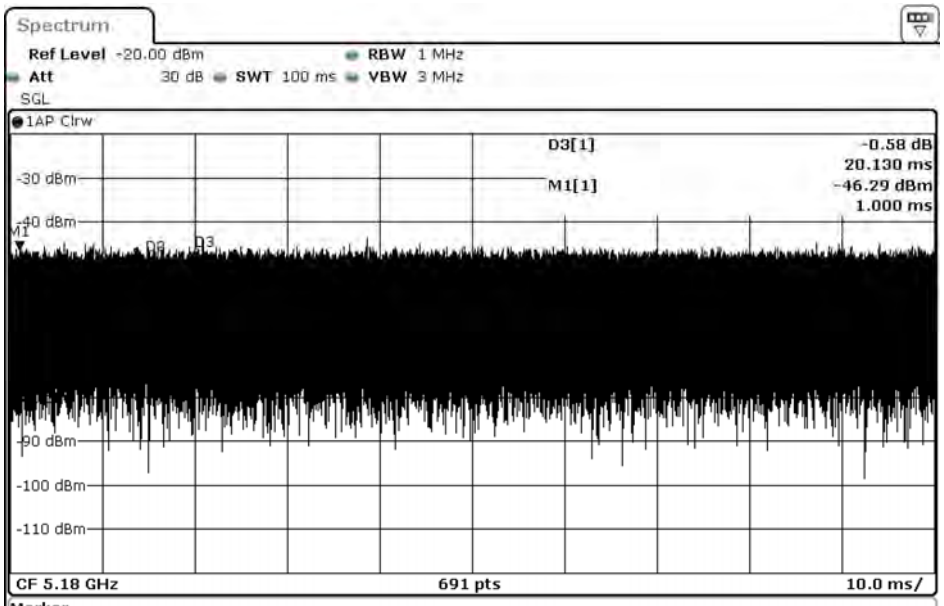


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.0 ms	-46.27 dBm		
D2	M1	1	18.391 ms	-0.25 dB		
D3	M1	1	20.855 ms	-0.03 dB		

Date: 15.OCT.2020 17:47:24

802.11n20

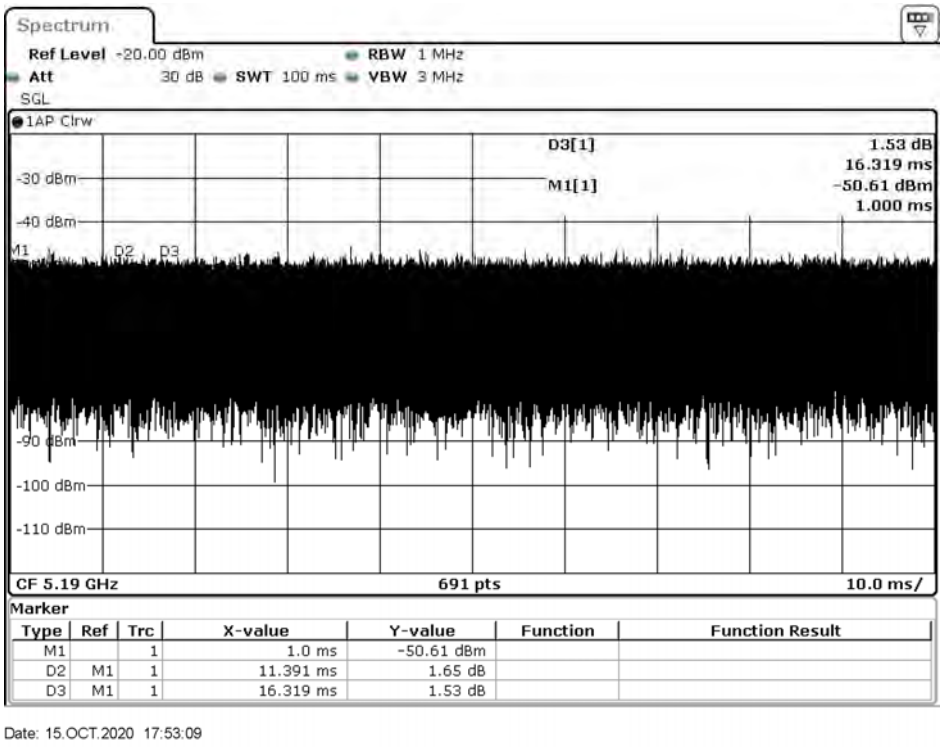


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.0 ms	-46.29 dBm		
D2	M1	1	14.768 ms	-1.59 dB		
D3	M1	1	20.13 ms	-0.58 dB		

Date: 15.OCT.2020 17:51:39

802.11n40



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.0 ms	-50.61 dBm		
D2	M1	1	11.391 ms	1.65 dB		
D3	M1	1	16.319 ms	1.53 dB		

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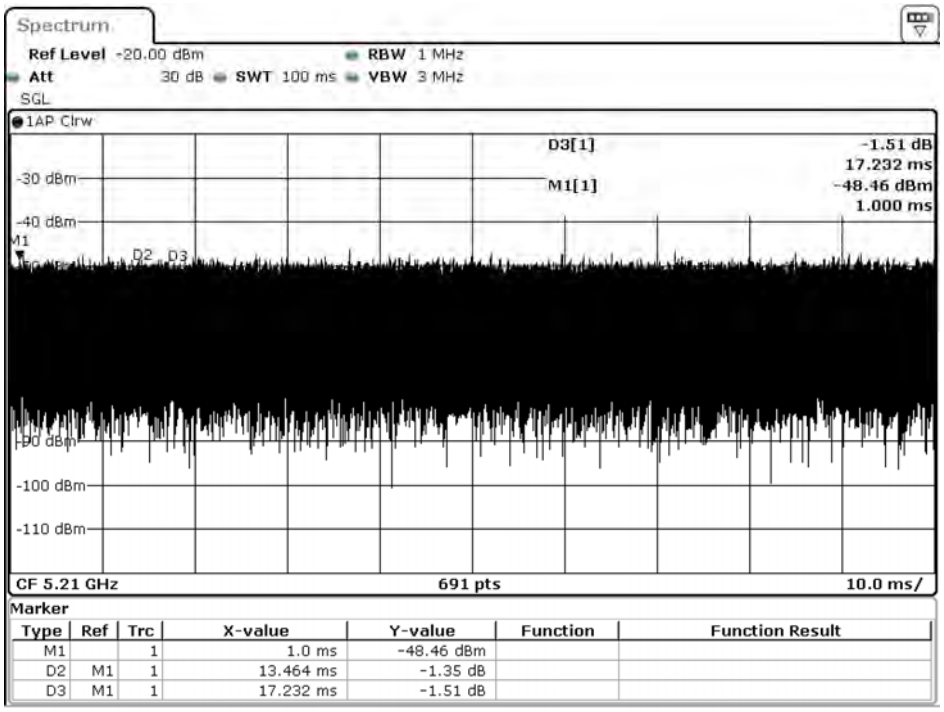
802.11ac80



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.0 ms	-48.46 dBm		
D2	M1	1	13.464 ms	-1.35 dB		
D3	M1	1	17.232 ms	-1.51 dB		

Date: 15.OCT.2020 17:54:35

9. Automatically discontinued Transmission

9.1. Requirements

15.407(c) : The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signalling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization a description of how this requirement is met.

9.2. Test Result

The Automatically discontinued Transmission is declared by the manufacturer.

Compliance with FCC requirement 15.407(c):
Data transmission is always initiated by software, which is the passed down through the MAC, through the digital and analog baseband, and finally to the RF chip. Several special packets are initiated by the MAC. These are the only ways the digital baseband portion will turn on the RF transmitter, which it then turns off at the end of the packet. Therefore, the transmitter will be on only while one of the aforementioned packets is being transmitted. In other words, this device automatically discontinue transmission in case of either absence of information to transmit or operational failure.

10. EMI Reduction Method During Compliance Testing

No modification was made during testing.