

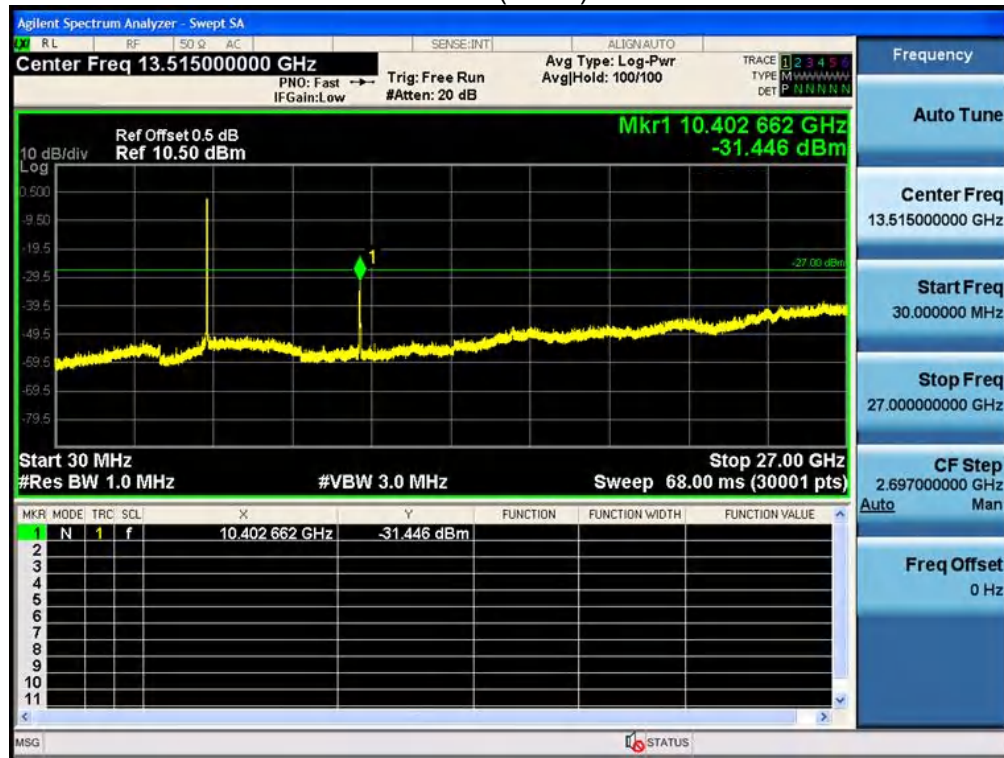
U-NII-1 802.11a High CH



U-NII-1 802.11n(HT20) Low CH



U-NII-1 802.11n(HT20) Middle CH



U-NII-1 802.11n(HT20) High CH



U-NII-1 802.11ac(HT20) Low CH



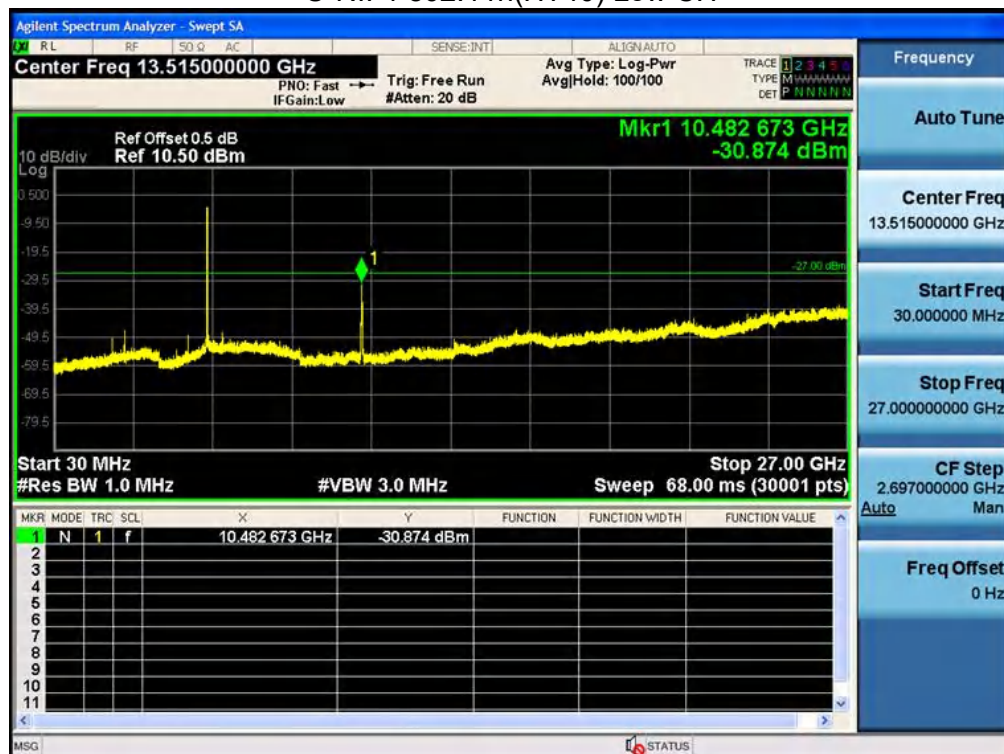
U-NII-1 802.11ac(HT20) Middle CH



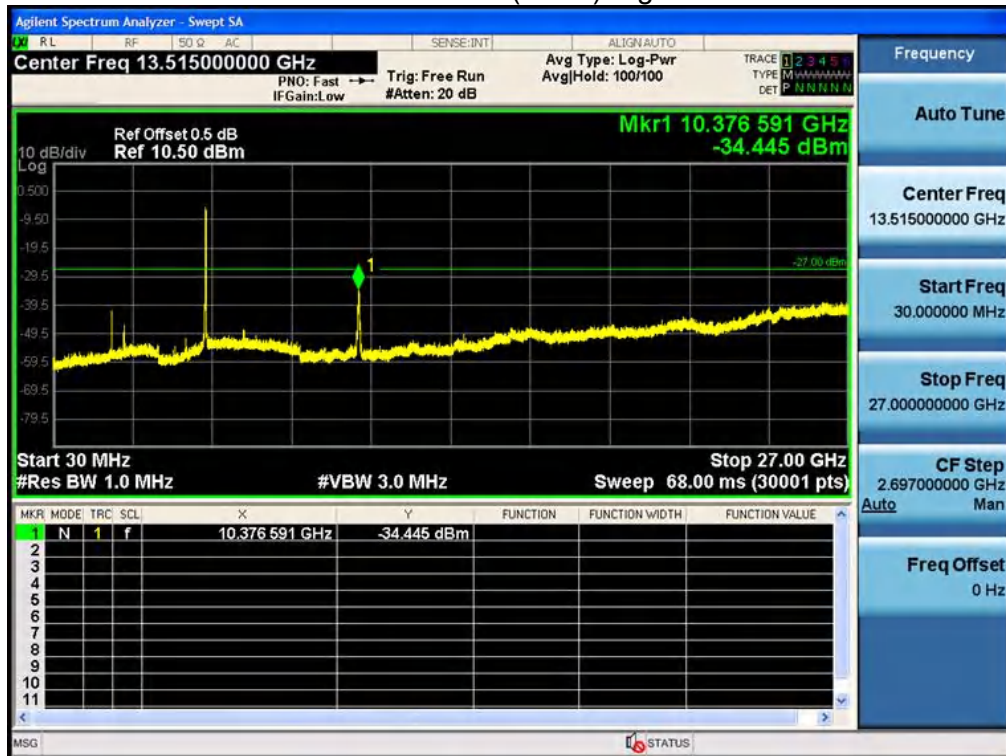
U-NII-1 802.11ac(HT20) High CH



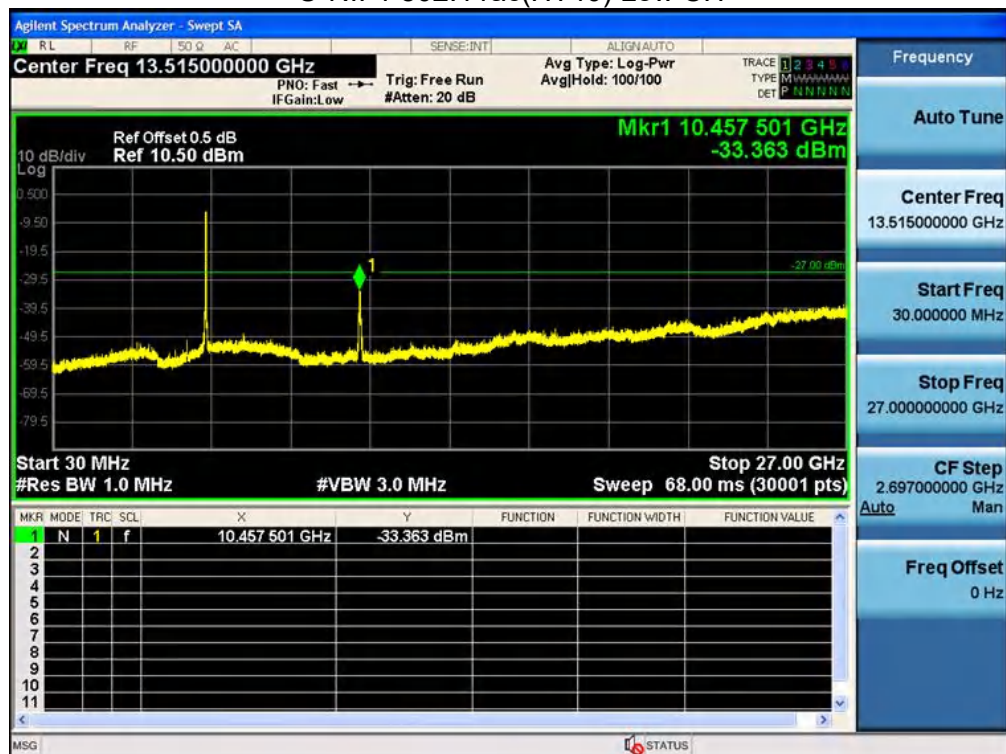
U-NII-1 802.11n(HT40) Low CH



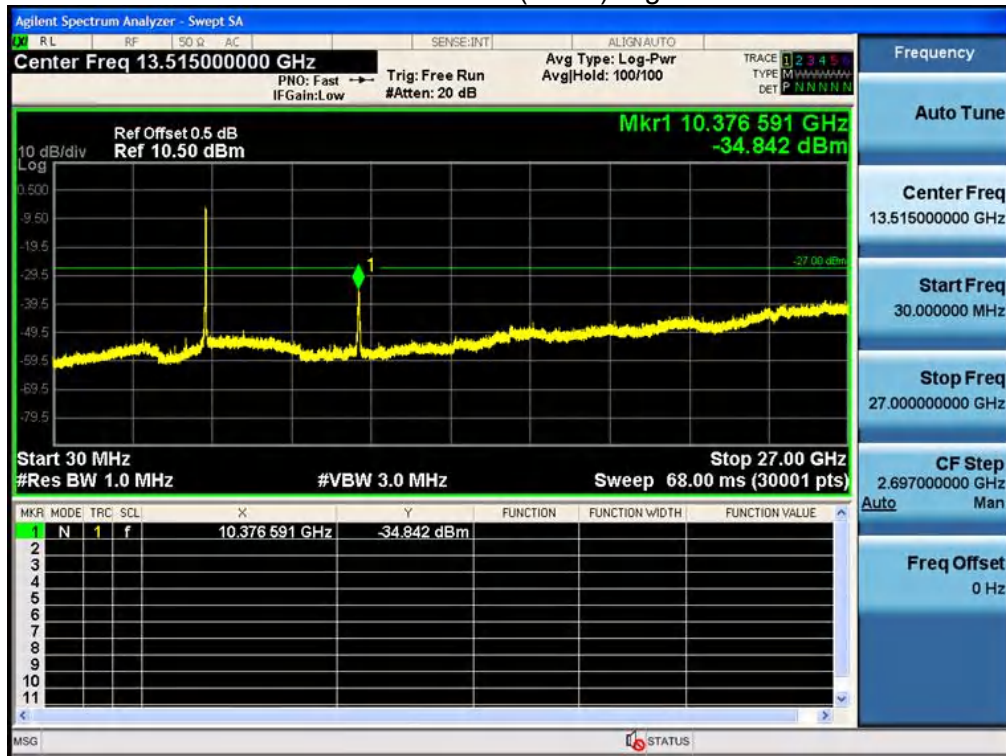
U-NII-1 802.11n(HT40) High CH



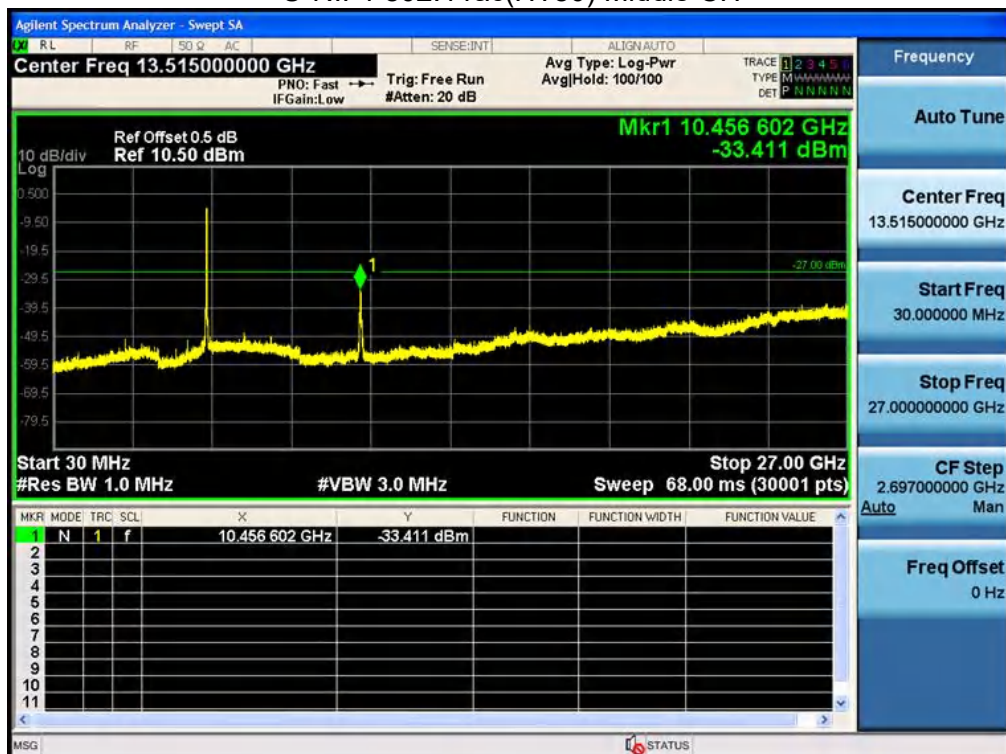
U-NII-1 802.11ac(HT40) Low CH



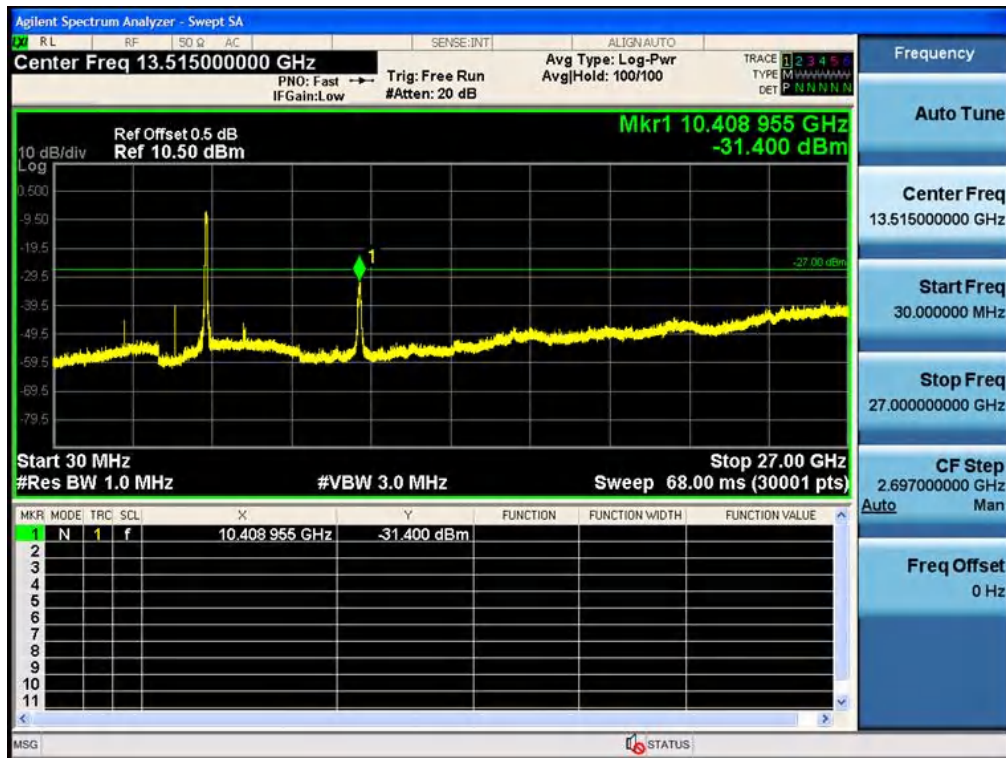
U-NII-1 802.11ac(HT40) High CH



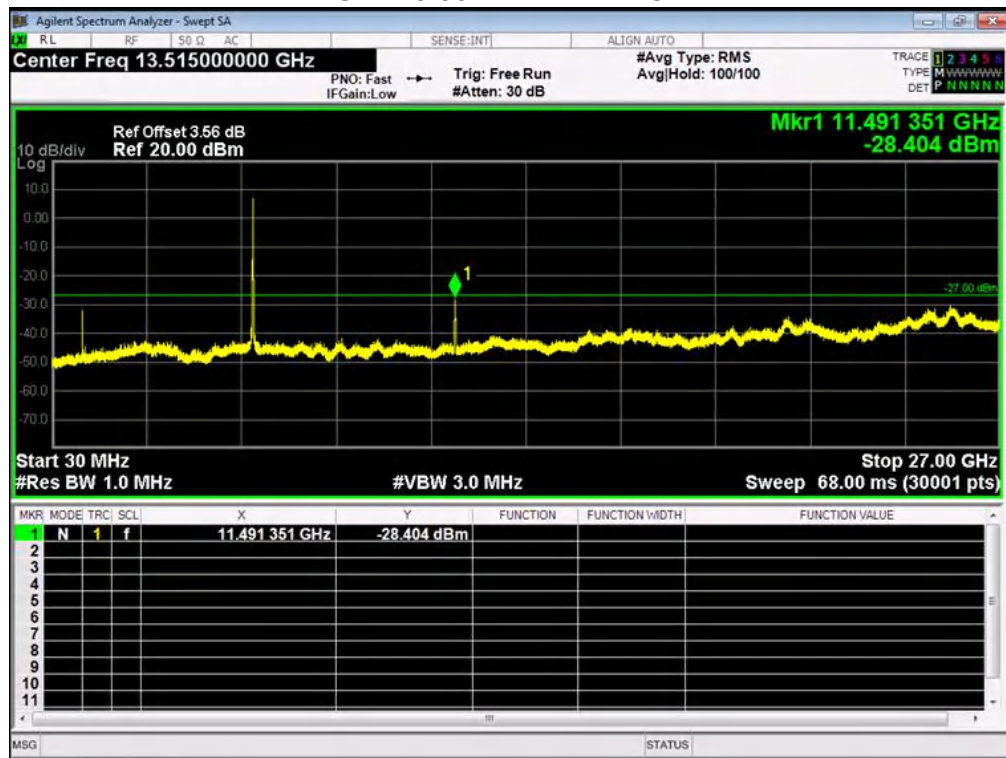
U-NII-1 802.11ac(HT80) Middle CH



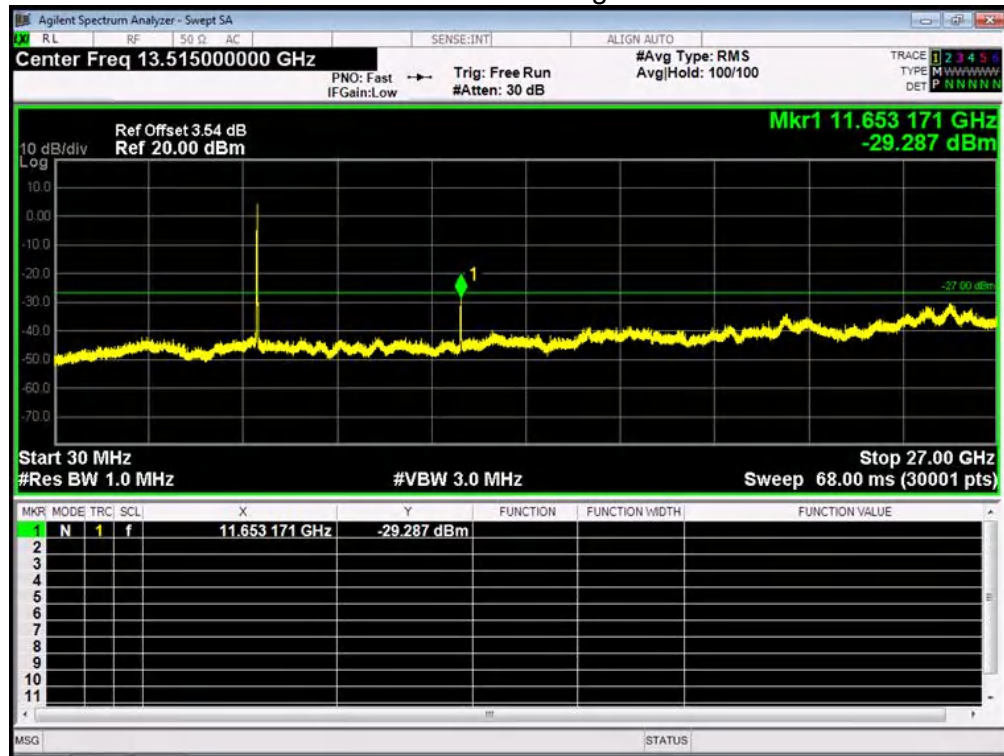
U-NII-3 802.11a Low CH



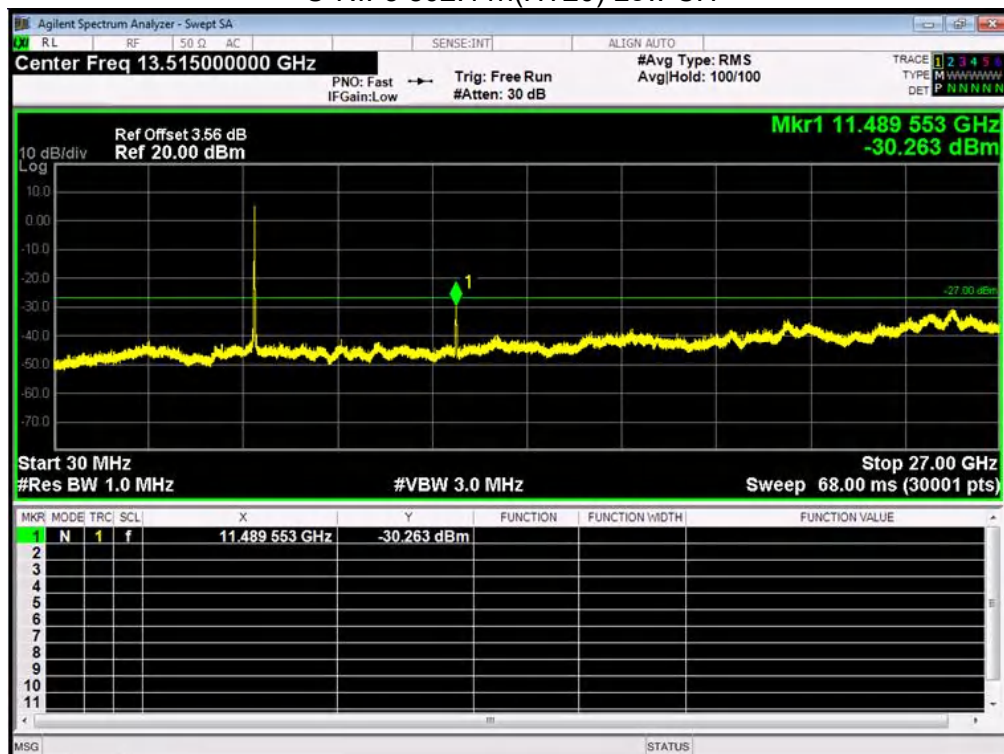
U-NII-3 802.11a Middle CH



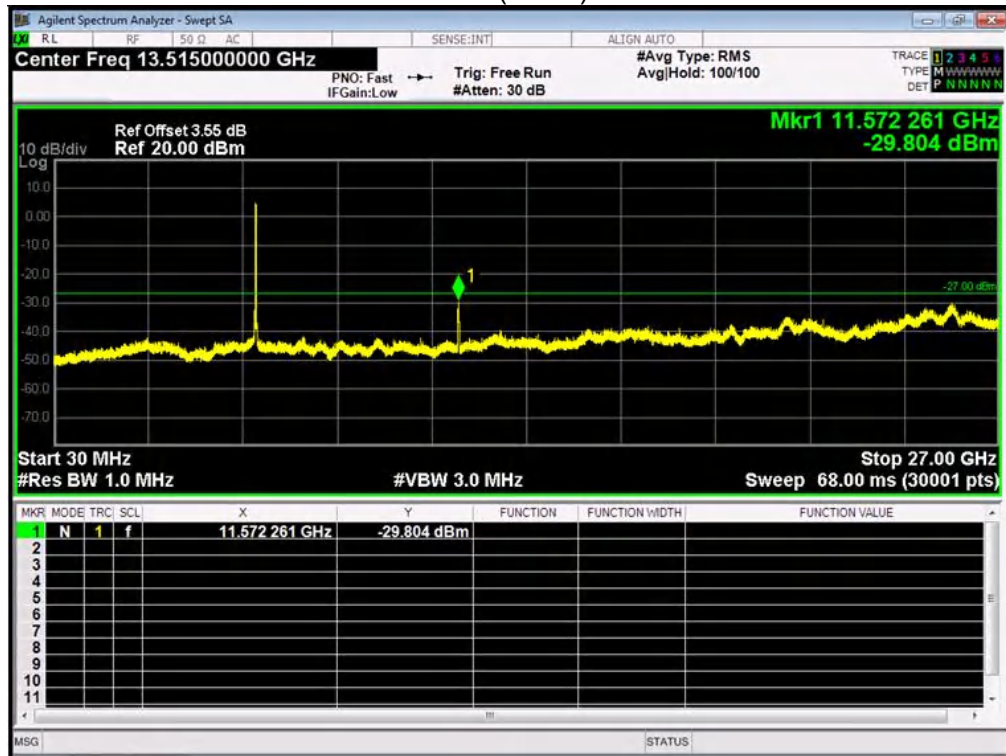
U-NII-3 802.11a High CH



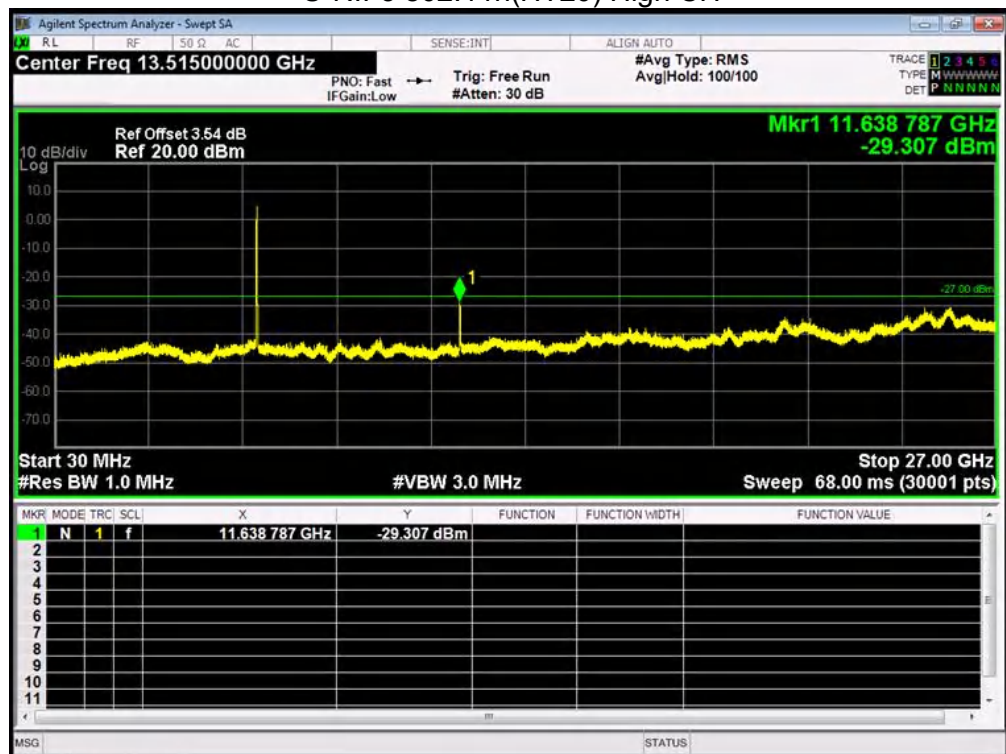
U-NII-3 802.11n(HT20) Low CH



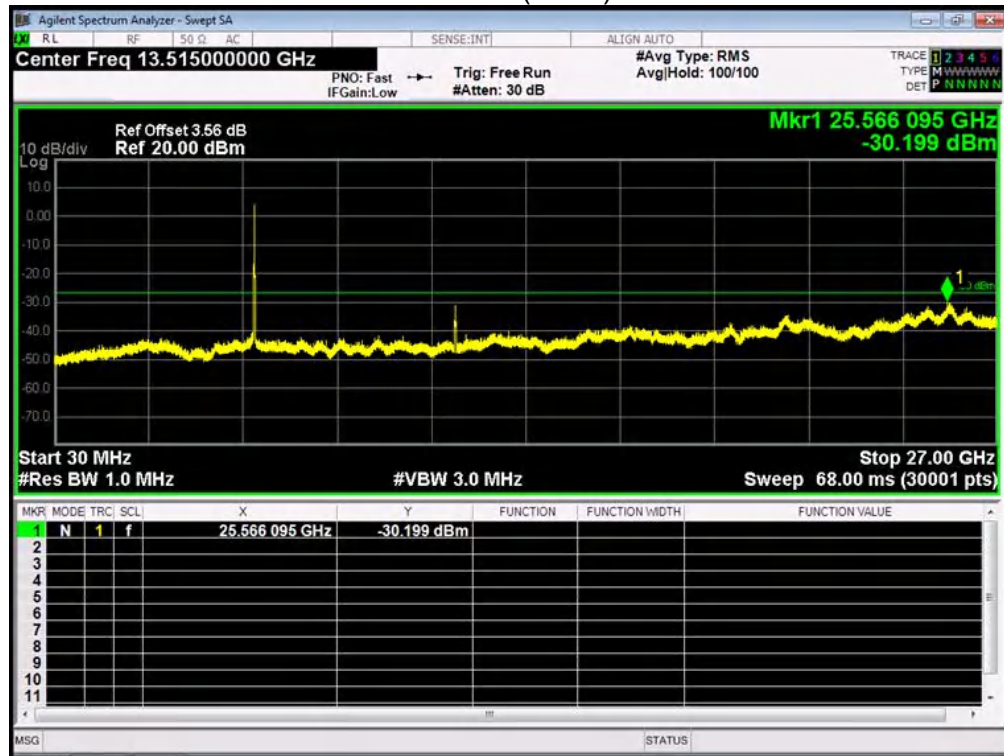
U-NII-3 802.11n(HT20) Middle CH



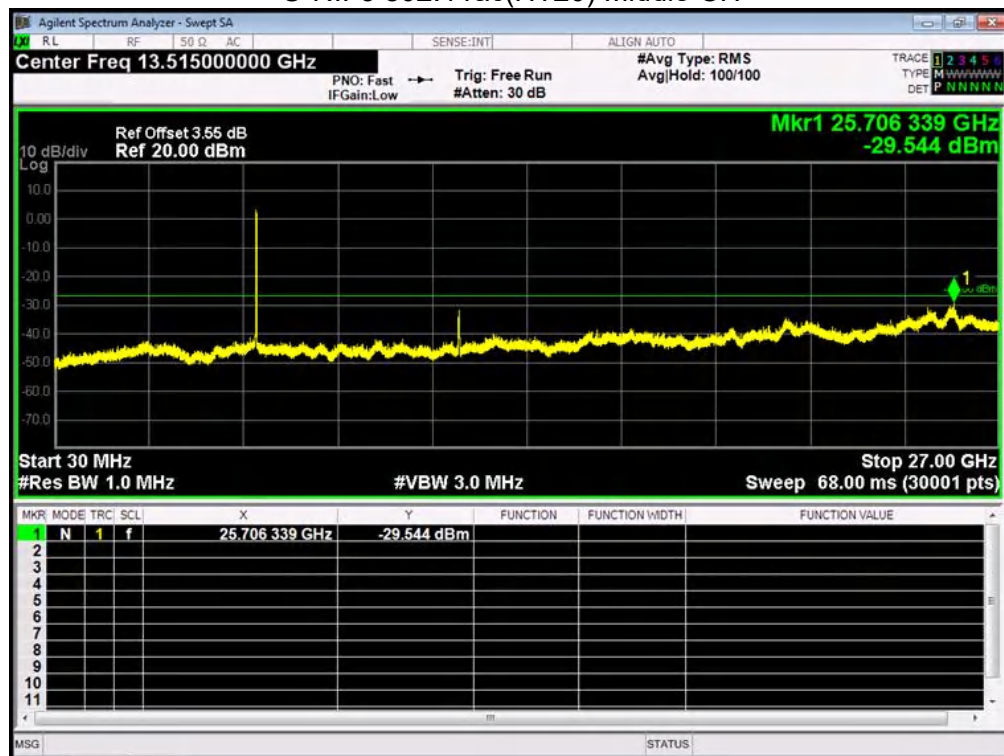
U-NII-3 802.11n(HT20) High CH



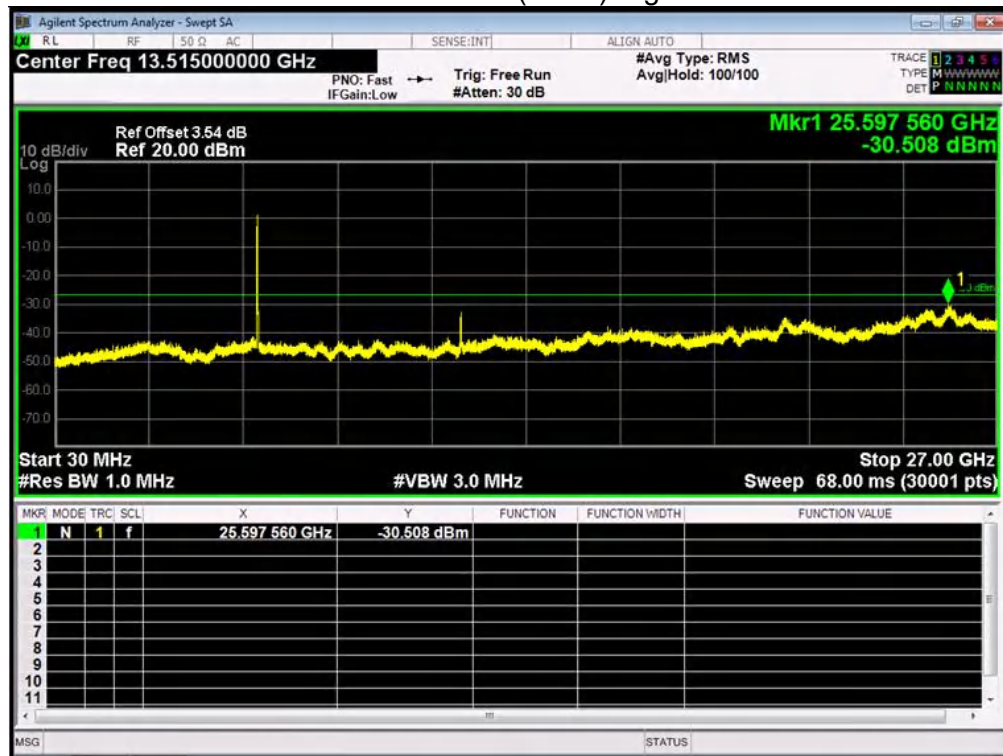
U-NII-3 802.11ac(HT20) Low CH



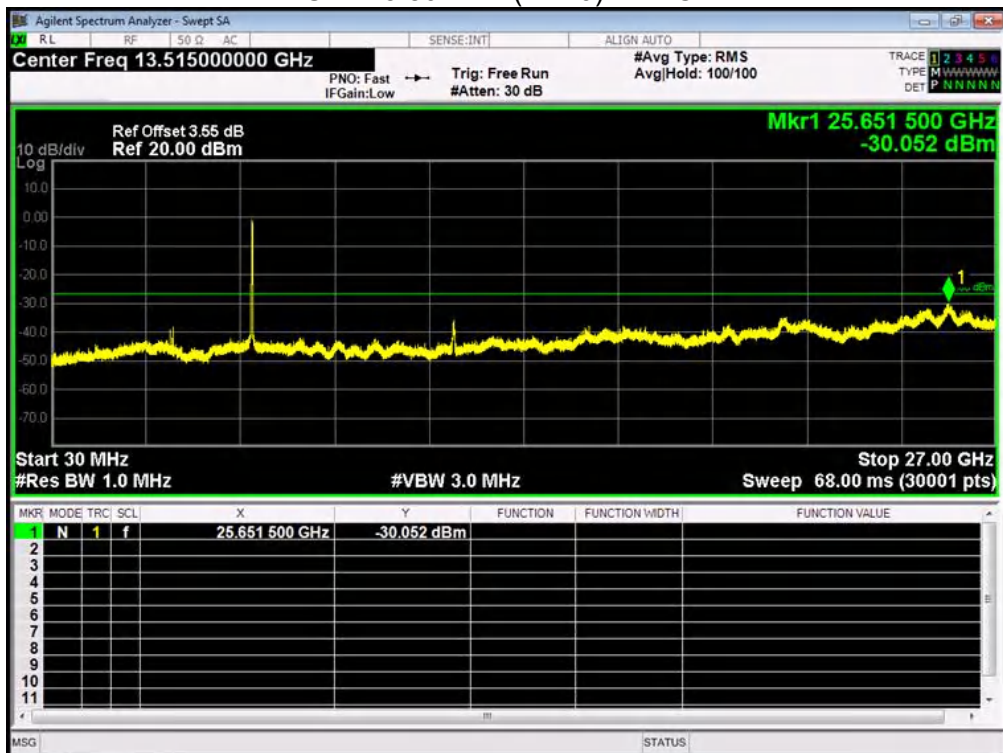
U-NII-3 802.11ac(HT20) Middle CH



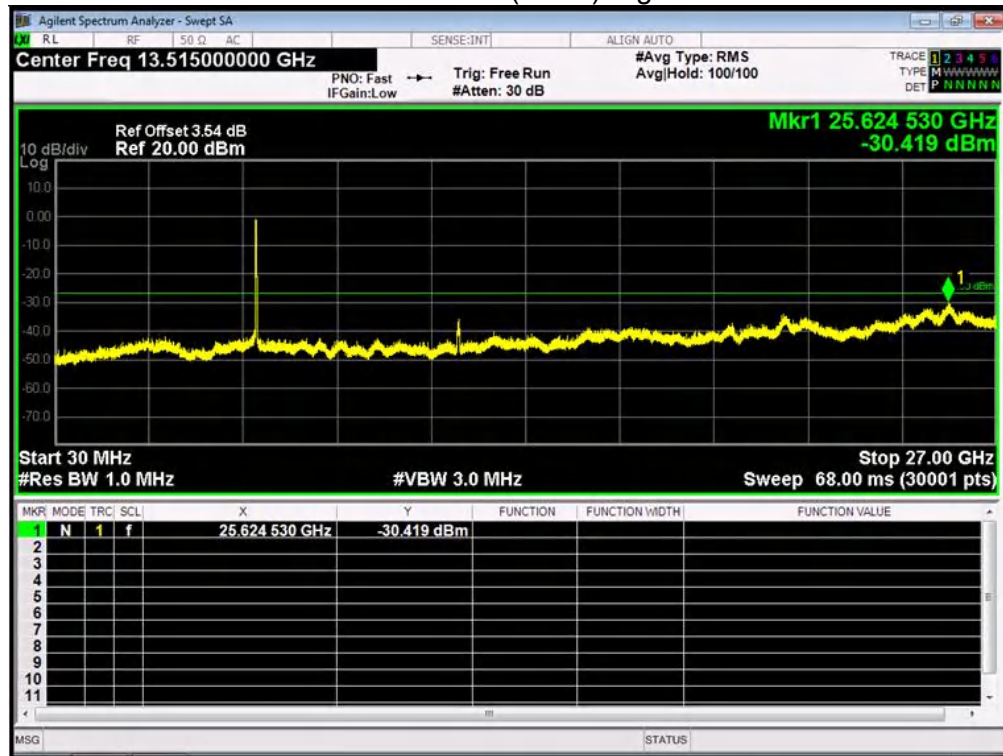
U-NII-3 802.11ac(HT20) High CH



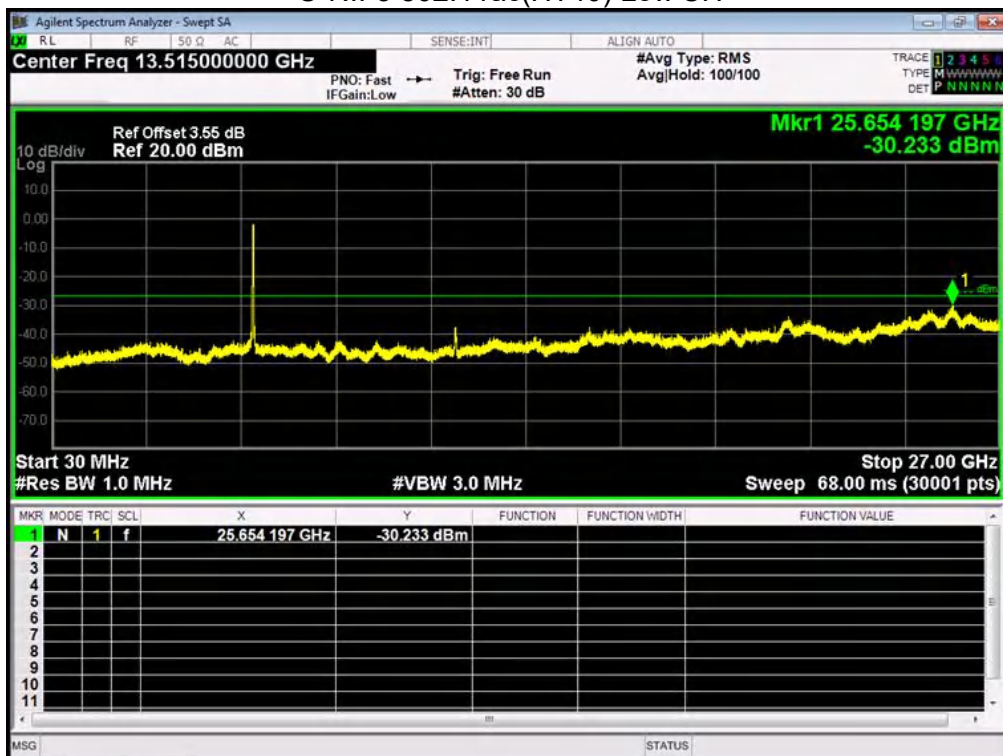
U-NII-3 802.11n(HT40) Low CH



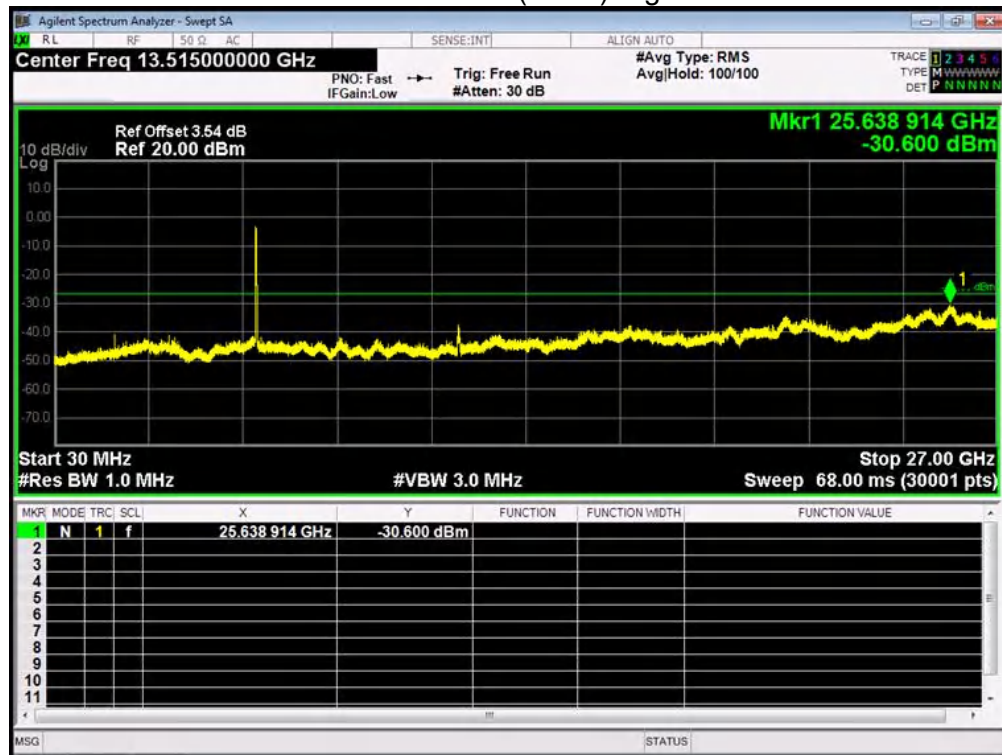
U-NII-3 802.11n(HT40) High CH



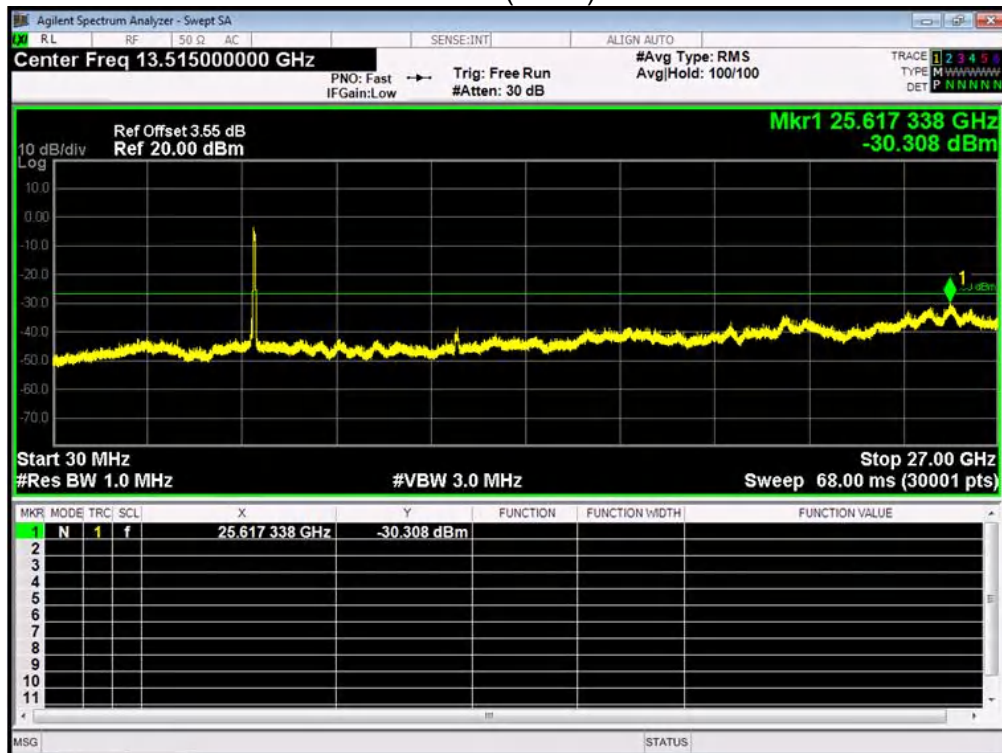
U-NII-3 802.11ac(HT40) Low CH



U-NII-3 802.11ac(HT40) High CH



U-NII-3 802.11ac(HT80) Middle CH



Note:1.The emission levels of other frequencies were less than 20dB margin against the limit.

2.Max Value (dBm) is added antenna gain.

8. Duty Cycle

8.1 TEST REQUIREMENT

47 CFR Part 15C 15.407 and 789033 D02 General UNII Test

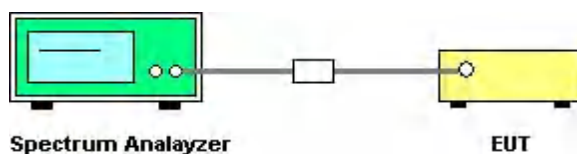
Procedures New Rules v02r01(December 14, 2017), Section (B)

ANSI C63.10: 2013

8.2 TEST PROCEDURE

(1) Connect EUT's antenna output to spectrum analyzer by RF cable.

8.3 TEST SETUP



8.4 TEST RESULTS

802.11a mode			
channel	On time(ms)	Period(ms)	Duty Cycle(%)
36	100	100	100
52	100	100	100
149	100	100	100
802.11n(HT20) mode			
channel	On time(ms)	Period(ms)	Duty Cycle(%)
36	100	100	100
52	100	100	100
149	100	100	100
802.11n(HT40) mode			
channel	On time(ms)	Period(ms)	Duty Cycle(%)
38	100	100	100
54	100	100	100
151	100	100	100
802.11ac(HT20) mode			
channel	On time(ms)	Period(ms)	Duty Cycle(%)
36	100	100	100
52	100	100	100
149	100	100	100
802.11ac(HT40) mode			
channel	On time(ms)	Period(ms)	Duty Cycle(%)
38	100	100	100
54	100	100	100
151	100	100	100
802.11ac(HT80) mode			
channel	On time(ms)	Period(ms)	Duty Cycle(%)
42	100	100	100
58	100	100	100
155	100	100	100

9 RADIATED EMISSION MEASUREMENT

9.1 RADIATED EMISSION LIMITS

In any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the Restricted band specified on Part15.205(a)&209(a) limit in the table and according to ANSI C63.10-2013 below has to be followed

LIMITS OF RADIATED EMISSION MEASUREMENT (0.009MHz - 1000MHz)

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

For Radiated Emission

Spectrum Parameter	Setting
Attenuation	Auto
Detector	Peak/AV
Start Frequency	1000 MHz(Peak/AV)
Stop Frequency	10th carrier hamonic(Peak/AV)
RB / VB (emission in restricted band)	PK=1MHz / 1MHz, AV=1 MHz /10 Hz

9.2 TEST PROCEDURE

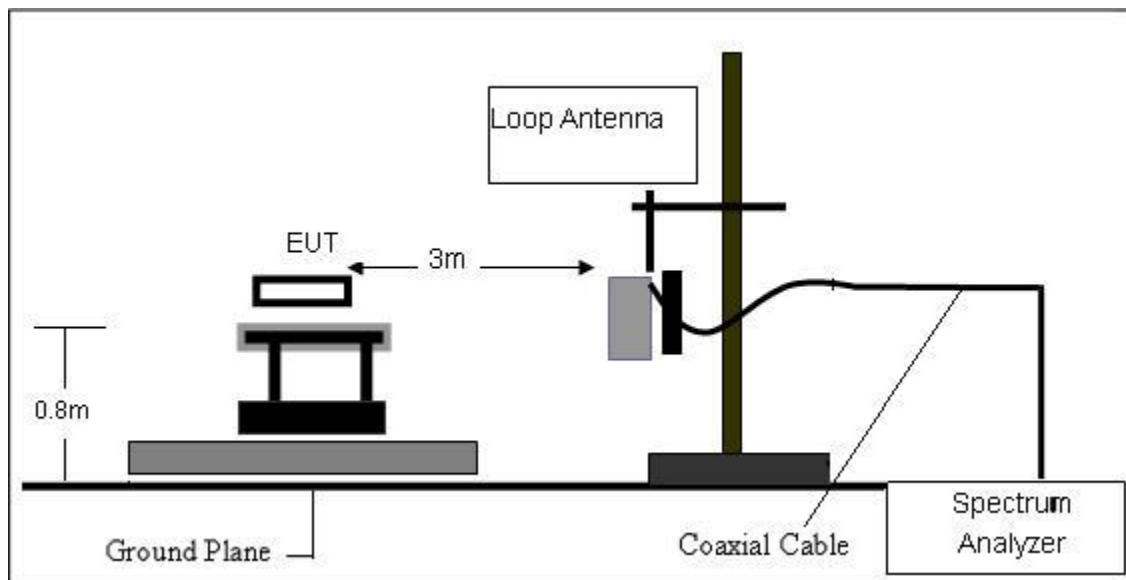
- a. The measuring distance of at 3 m shall be used for measurements at frequency 0.009MHz up to 1GHz, and above 1GHz.
- b. The EUT was placed on the top of a rotating table 0.8 meters (above 1GHz is 1.5 m) above the ground at a 3 meter anechoic chamber test site. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The height of the equipment shall be 0.8 m (above 1GHz is 1.5 m); the height of the test antenna shall vary between 1 m to 4 m. horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then QuasiPeak detector mode re-measured.
- e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

Note:

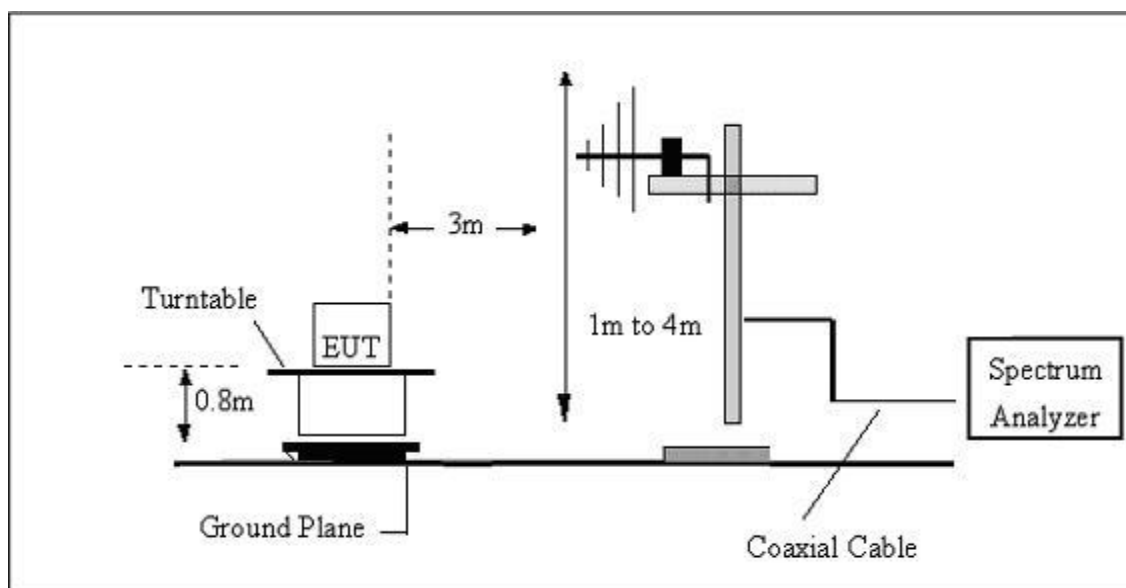
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

9.3 TESTSETUP

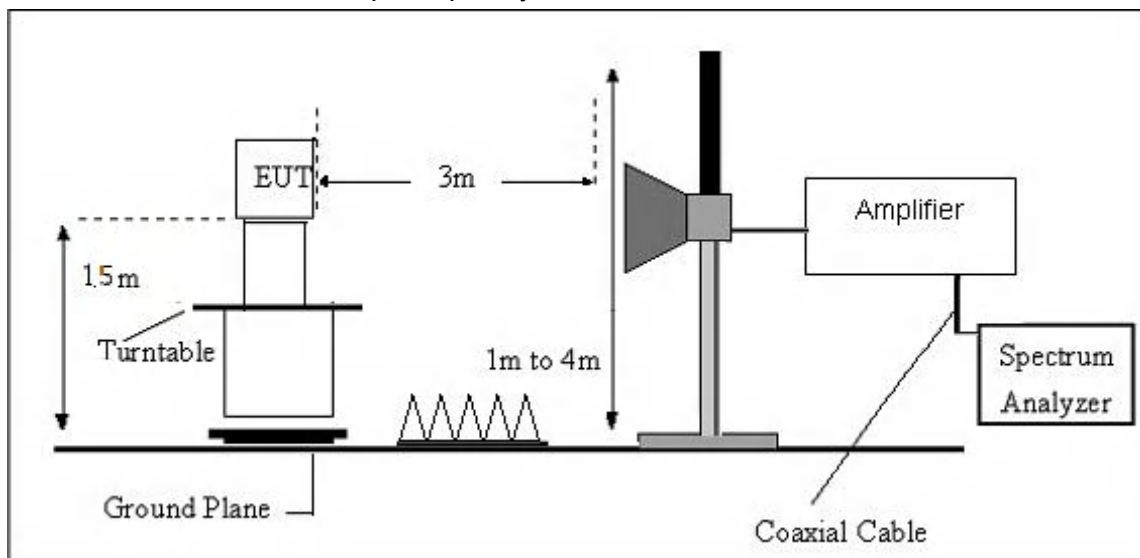
(A) Radiated Emission Test-Up Frequency Below 30MHz



(B) Radiated Emission Test-Up Frequency 30MHz~1GHz



(C) Radiated Emission Test-Up Frequency Above 1GHz





9.4. TEST RESULTS

(9KHz-30MHz)

Note:

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

(1GHz~40GHz) Restricted band and Spurious emission Requirements

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.407/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
802.11a U-NII-1 Low Channel 5180MHz									
4500.37	49.00	PK	109	1.8	H	-2.03	46.97	74.00	-27.03
4500.37	45.66	Ave	109	1.8	H	-2.03	43.63	54.00	-10.37
10360.00	41.87	PK	359	1.3	H	5.33	47.20	68.20	-26.80
10360.00	36.00	Ave	359	1.3	H	5.33	41.33	54.00	-12.67
802.11a U-NII-1 Middle channel 5200MHz									
4531.52	50.05	PK	246	1.8	H	-1.94	48.11	74.00	-25.89
4531.52	44.98	Ave	246	1.8	H	-1.94	43.04	54.00	-10.96
10400.00	42.05	PK	110	1.6	H	5.21	47.26	68.20	-26.74
10400.00	36.17	Ave	110	1.6	H	5.21	41.38	54.00	-12.62
802.11a U-NII-1 High channel 5240MHz									
4502.74	49.98	PK	298	1.7	H	-2.24	47.74	74.00	-26.26
4502.74	43.84	Ave	298	1.7	H	-2.24	41.60	54.00	-12.40
10480.00	42.03	PK	118	1.4	H	5.14	47.17	68.20	-26.83
10480.00	35.42	Ave	118	1.4	H	5.14	40.56	54.00	-13.44

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.407/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
802.11a U-NII-3 Low Channel 5745MHz									
4504.10	49.22	PK	114	1.3	H	-2.06	47.16	74.00	-26.84
4504.10	44.02	Ave	114	1.3	H	-2.06	41.96	54.00	-12.04
11490.00	43.05	PK	327	1.5	H	5.93	48.98	74.00	-25.02
11490.00	37.22	Ave	327	1.5	H	5.93	43.15	54.00	-10.85
802.11a U-NII-3 Middle channel 5785MHz									
4505.68	49.64	PK	301	1.1	H	-2.03	47.61	74.00	-26.39
4505.68	44.19	Ave	301	1.1	H	-2.03	42.16	54.00	-11.84
11570.00	42.39	PK	67	1.2	H	5.81	48.20	74.00	-25.80
11570.00	37.03	Ave	67	1.2	H	5.81	42.84	54.00	-11.16
802.11a U-NII-3 High channel 5825MHz									
4506.47	49.90	PK	27	1.2	H	-1.84	48.06	74.00	-25.94
4506.47	45.26	Ave	27	1.2	H	-1.84	43.42	54.00	-10.58
11650.00	40.65	PK	188	1.5	H	5.84	46.49	74.00	-27.51
11650.00	36.39	Ave	188	1.5	H	5.84	42.23	54.00	-11.77

Note:

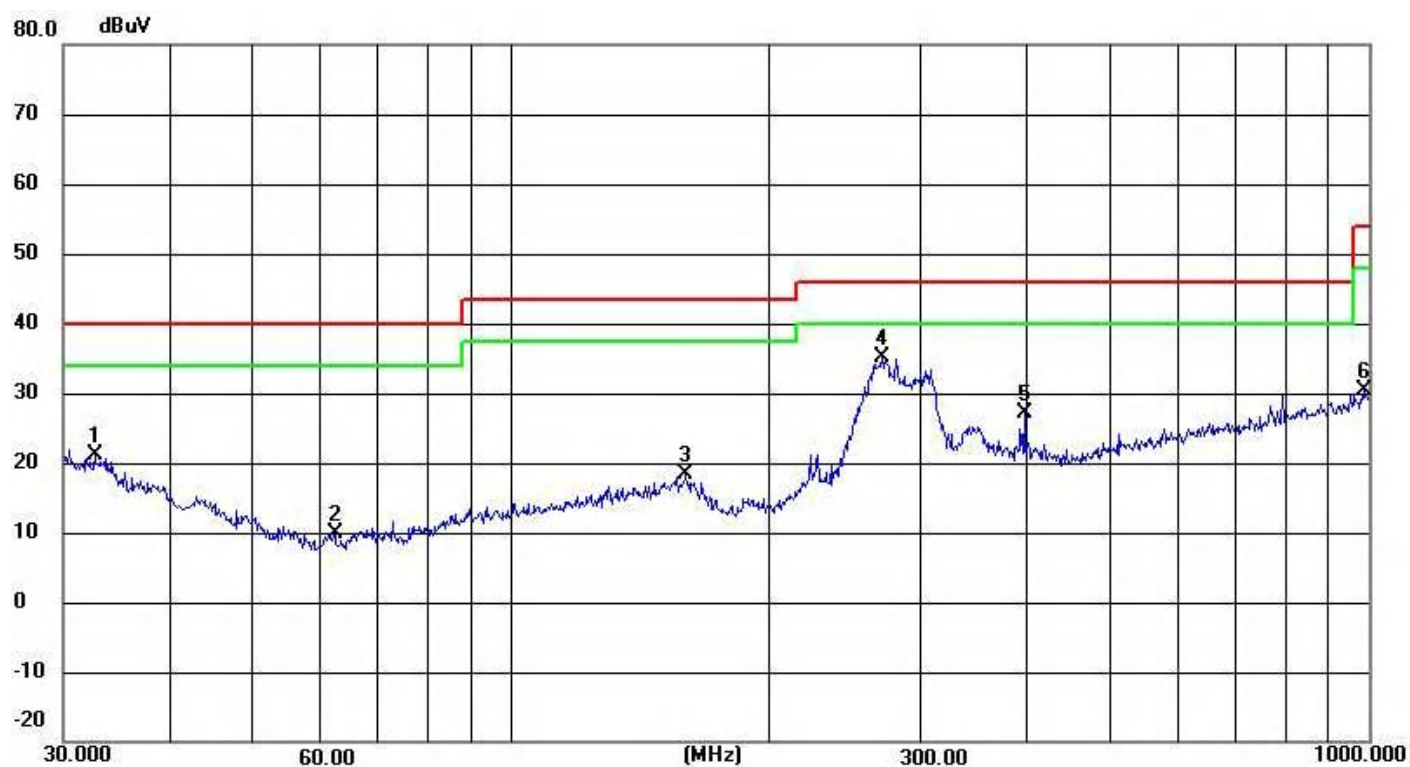
All other emissions are attenuated 20dB below the limits, so it does not reported in the report.

All modes are tested, with the worst mode being 802.11a.

(30MHz-1000MHz)

Horizontal

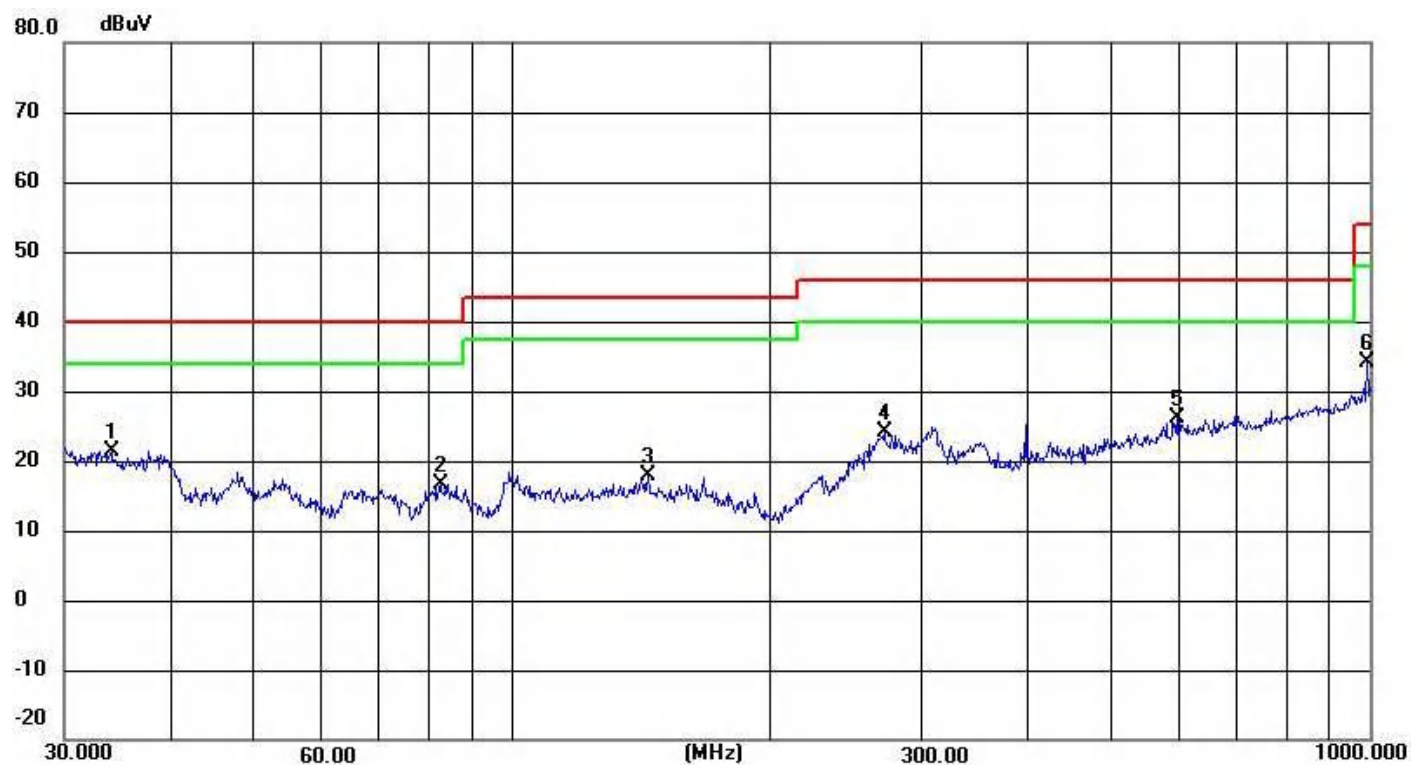
802.11ac20



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	32.6340	30.15	-8.95	21.20	40.00	-18.80	QP
2	62.2128	30.67	-20.88	9.79	40.00	-30.21	QP
3	159.7844	50.43	-32.11	18.32	43.50	-25.18	QP
4	270.3748	67.18	-31.94	35.24	46.00	-10.76	QP
5	396.2415	58.64	-31.61	27.03	46.00	-18.97	QP
6	986.0717	60.97	-30.61	30.36	54.00	-23.64	QP

Vertical

802.11ac20



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	34.0365	31.34	-9.89	21.45	40.00	-18.55	QP
2	82.3588	48.84	-32.16	16.68	40.00	-23.32	QP
3	143.8295	49.96	-32.13	17.83	43.50	-25.67	QP
4	271.3246	55.97	-31.94	24.03	46.00	-21.97	QP
5	595.1329	57.37	-31.14	26.23	46.00	-19.77	QP
6	993.0114	64.68	-30.61	34.07	54.00	-19.93	QP

Remarks:

1. Margin = Result (Result = Reading + Factor) - Limit



Radiated Band Edge data

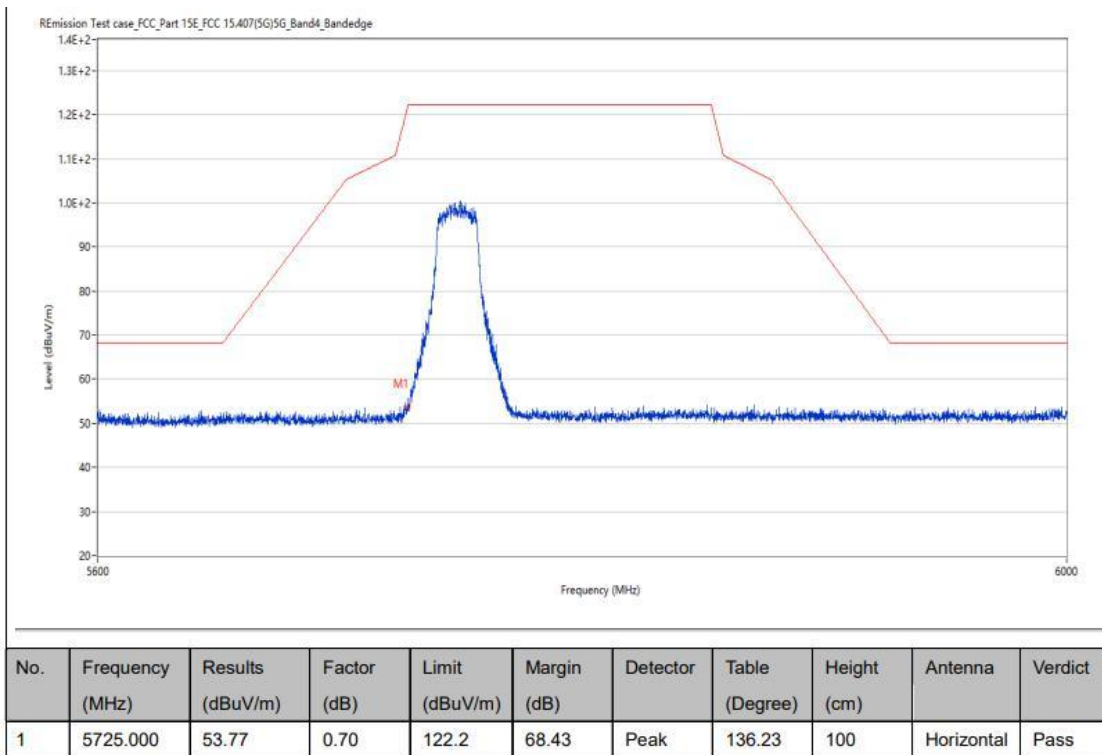
EUT:		Tablet				Model Name.:		DT1	
Temperature:		20 °C				Relative Humidity:		48%	
Pressure:		1010 hPa				Test Voltage:		AC 120V/60Hz	
Test Mode:		TX(5.2G)-802.11a							
Frequency	Meter Reading	Cable Loss	Antenna Factor	Preamplifier Factor	Emission Level	Limits	Margin	Detector	Comment
(MHz)	(dBμV)	(dB)	dB/m	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	
5.2G WIFI-802.11a Mode									
4500	56.04	5.2	35.6	44.2	52.64	74	-21.36	Pk	Horizontal
4500	47.38	5.2	35.6	44.2	43.98	54	-10.02	AV	Horizontal
4500	59.14	5.2	35.6	44.2	55.74	74	-18.26	Pk	Vertical
4500	48.25	5.2	35.6	44.2	44.85	54	-9.15	AV	Vertical
5150	68.41	5.36	35.66	44.22	65.21	74	-8.79	Pk	Horizontal
5150	47.75	5.36	35.66	44.22	44.55	54	-9.45	AV	Horizontal
5150	56.24	5.36	35.66	44.22	53.04	74	-20.96	Pk	Vertical
5150	40.18	5.36	35.66	44.22	36.98	54	-17.02	AV	Vertical
5350	65.36	5.68	35.68	44.22	62.5	74	-11.5	Pk	Vertical
5350	47.15	5.68	35.68	44.22	44.29	54	-9.71	AV	Vertical
5350	62.72	5.68	35.68	44.22	59.86	74	-14.14	Pk	Horizontal
5350	44.64	5.68	35.68	44.22	41.78	54	-12.22	AV	Horizontal

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

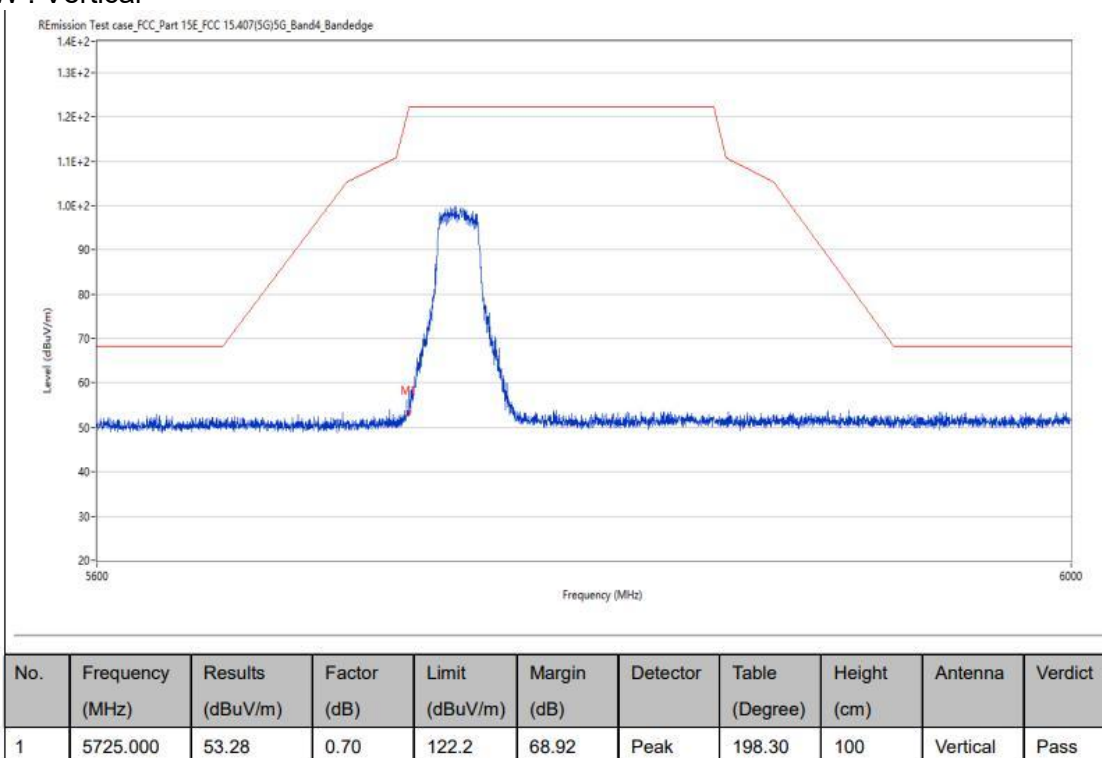
Note:(1)Emission Level=Antenna Factor+Cable Loss+Read Level-Preamplifier Factor

(2)When PK value is lower than the Average value limit,average don't record.

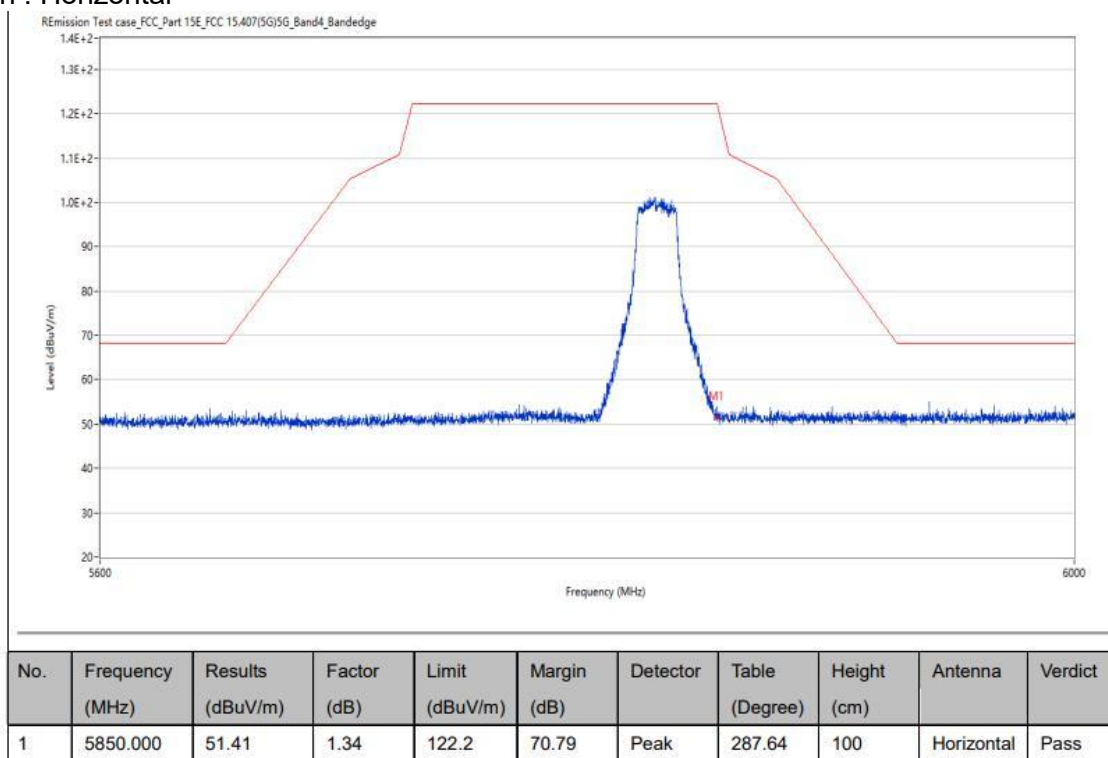
B4-11a -LOW : Horizontal



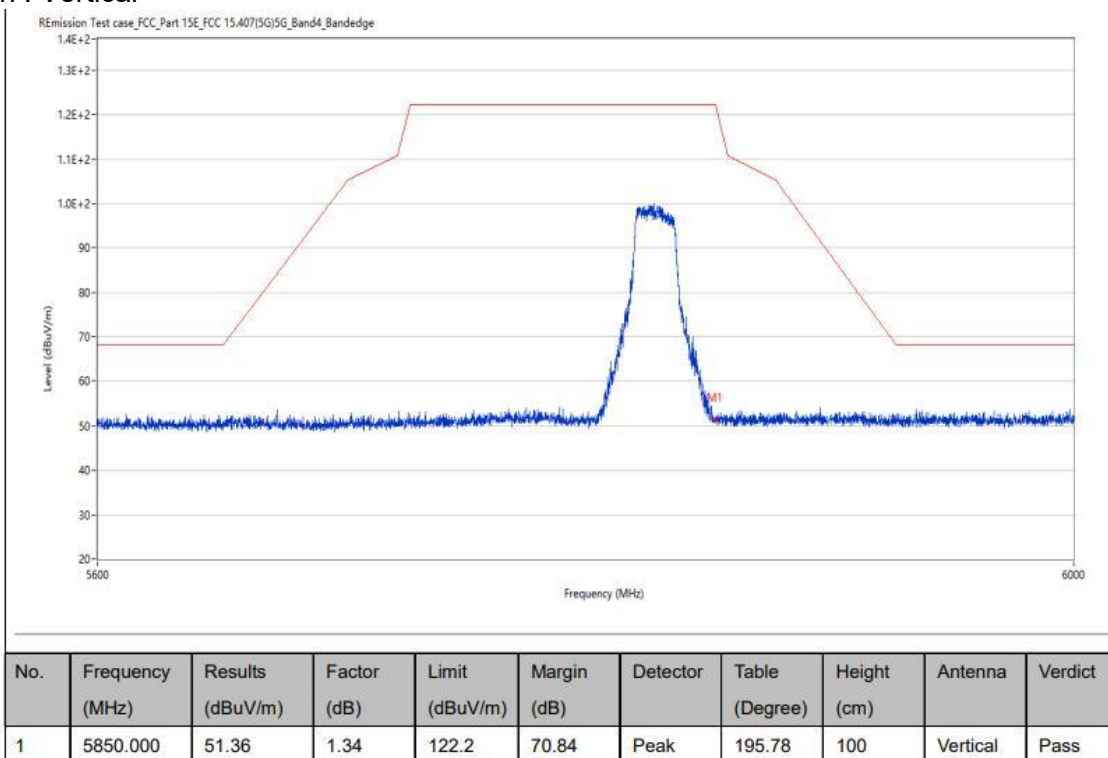
B4-11a -LOW : Vertical



B4-11a -High : Horizontal



B4-11a -High : Vertical



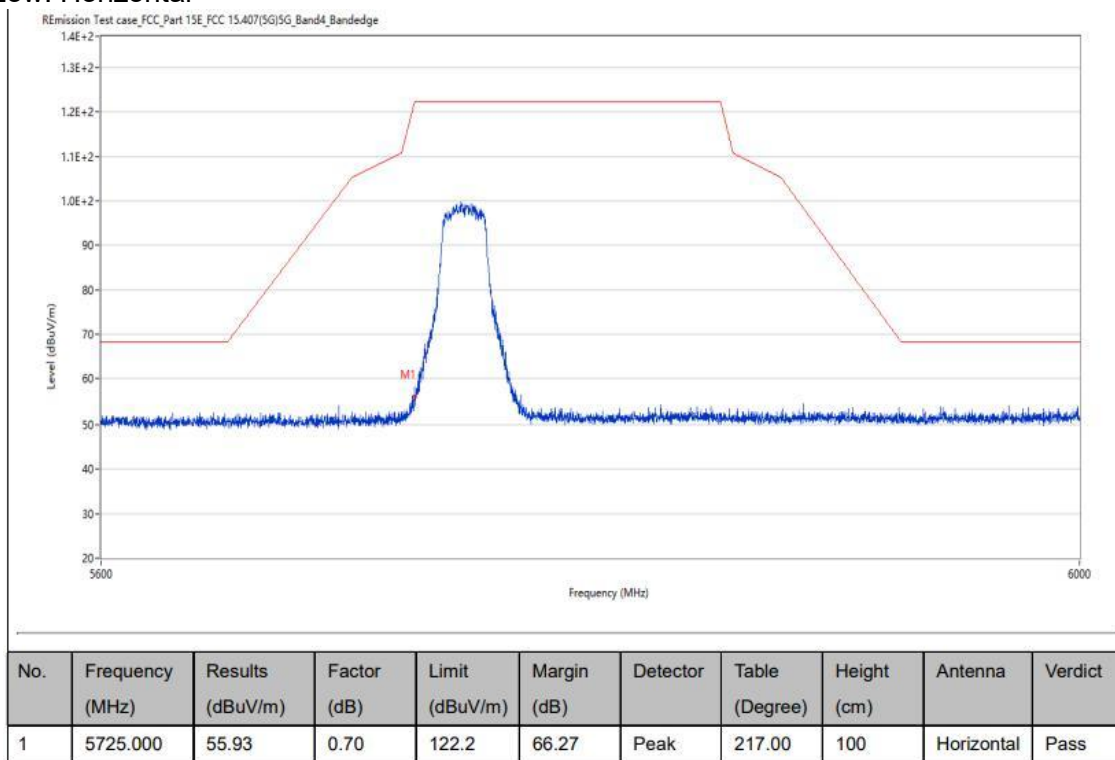


EUT:		Tablet				Model Name.:		DT1	
Temperature:		20 °C				Relative Humidity:		48%	
Pressure:		1010 hPa				Test Voltage:		AC 120V/60Hz	
Test Mode:		TX(5.2G)-802.11n20							
Frequency	Meter Reading	Cable Loss	Antenna Factor	Preamp Factor	Emission Level	Limits	Margin	Detector	Comment
(MHz)	(dBμV)	(dB)	dB/m	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	
5.2G WIFI-802.11n20 Mode									
4500	56.98	5.2	35.6	44.2	53.58	74	-20.42	Pk	Horizontal
4500	47.67	5.2	35.6	44.2	44.27	54	-9.73	AV	Horizontal
4500	59.34	5.2	35.6	44.2	55.94	74	-18.06	Pk	Vertical
4500	48.39	5.2	35.6	44.2	44.99	54	-9.01	AV	Vertical
5150	68.88	5.36	35.66	44.22	65.68	74	-8.32	Pk	Horizontal
5150	47.04	5.36	35.66	44.22	43.84	54	-10.16	AV	Horizontal
5150	56.45	5.36	35.66	44.22	53.25	74	-20.75	Pk	Vertical
5150	40.73	5.36	35.66	44.22	37.53	54	-16.47	AV	Vertical
5350	65.42	5.68	35.68	44.22	62.56	74	-11.44	Pk	Vertical
5350	47.14	5.68	35.68	44.22	44.28	54	-9.72	AV	Vertical
5350	62.22	5.68	35.68	44.22	59.36	74	-14.64	Pk	Horizontal
5350	44.28	5.68	35.68	44.22	41.42	54	-12.58	AV	Horizontal

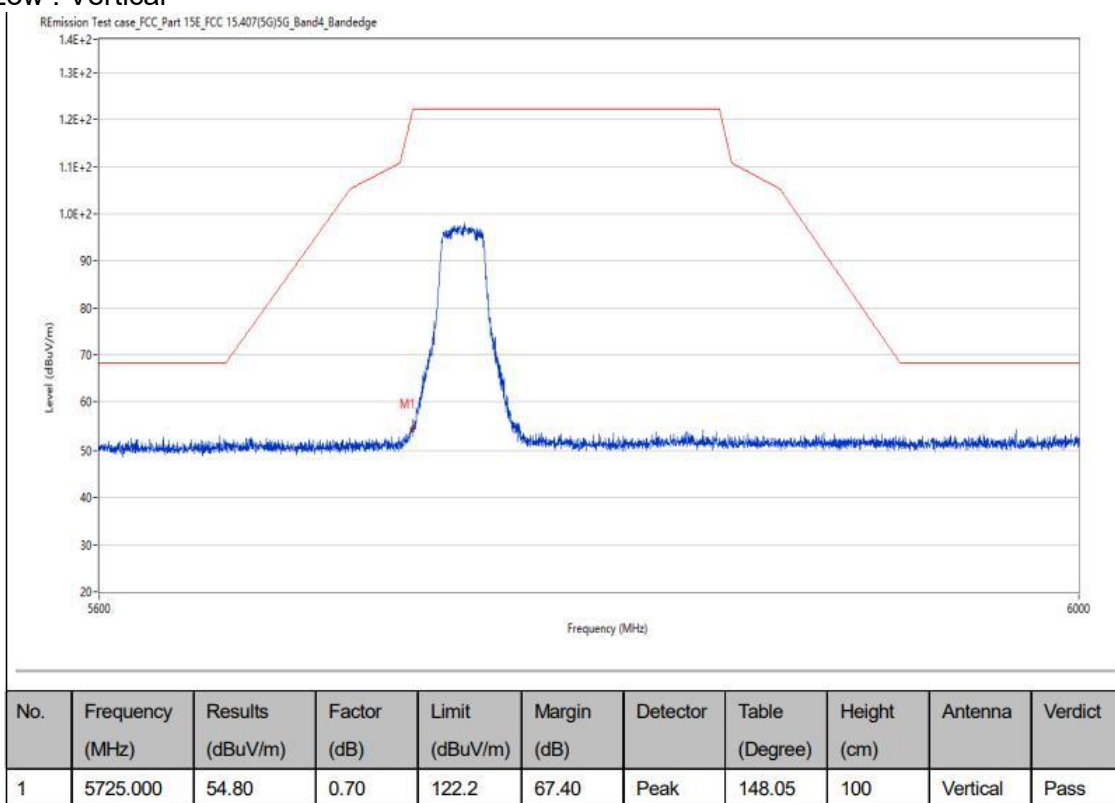
The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Note:(1)Emission Level=Antenna Factor+Cable Loss+Read Level-Preamplifier Factor
(2)When PK value is lower than the Average value limit,average don't record.

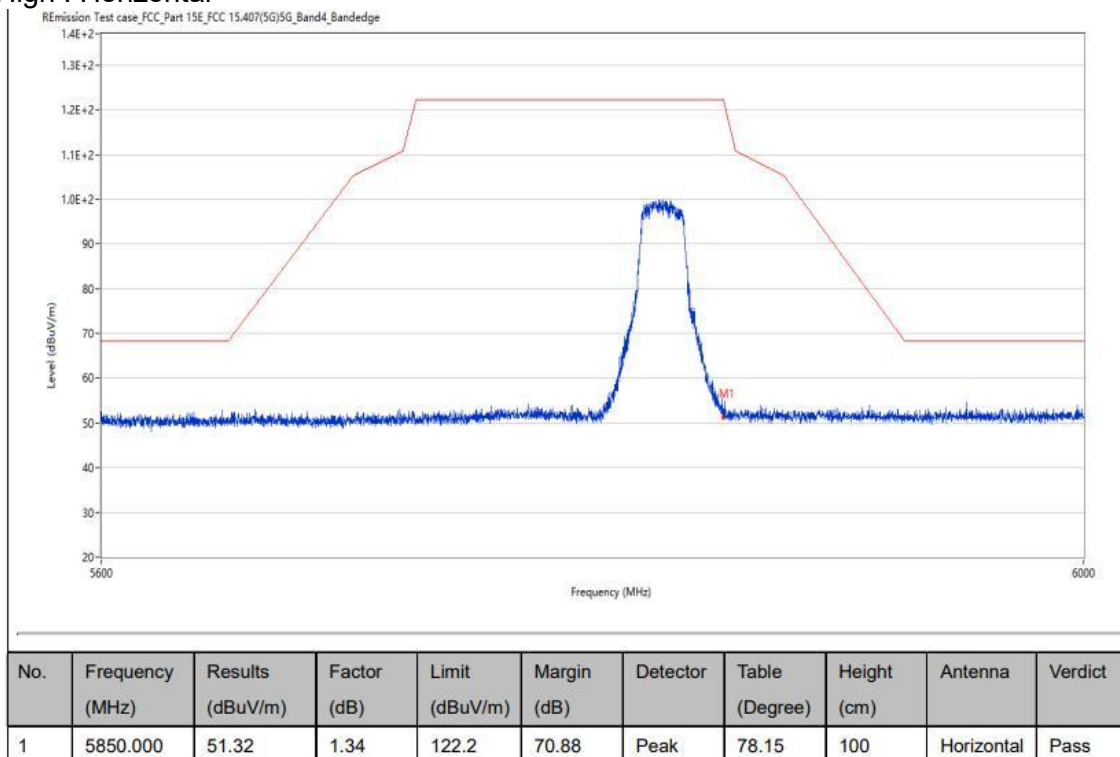
B4-11n20 -Low: Horizontal



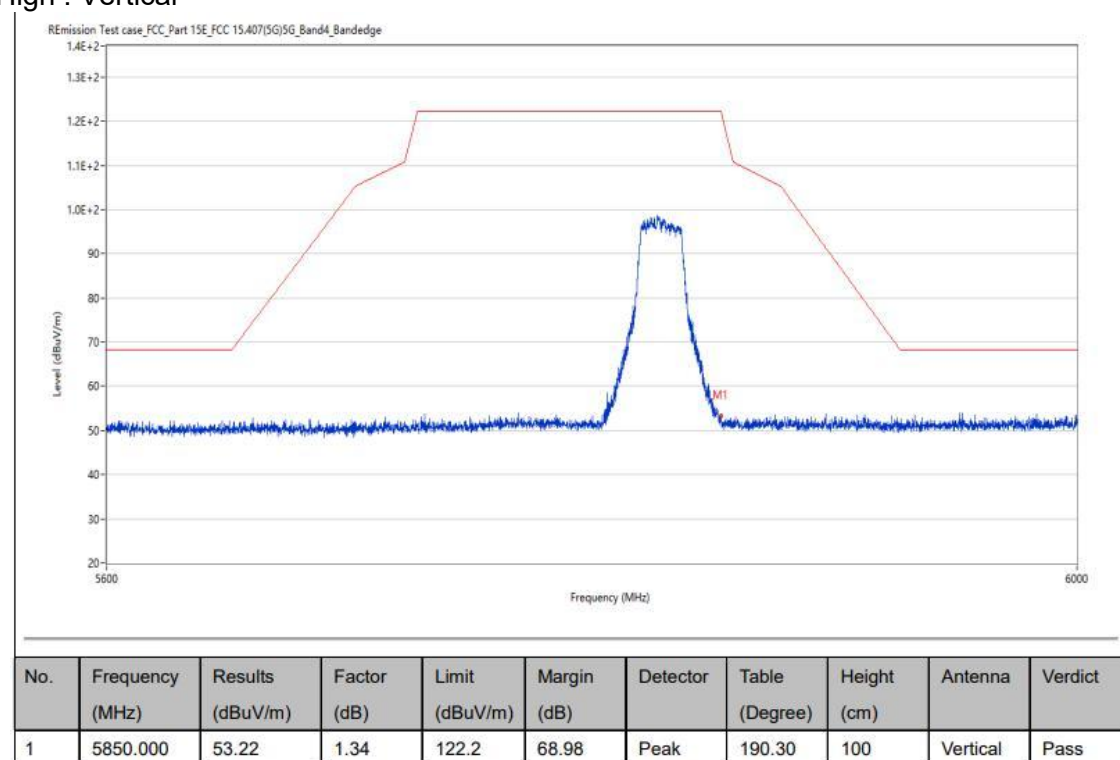
B4-11n20 -Low : Vertical



B4-11n20 -High : Horizontal



B4-11n20 -High : Vertical



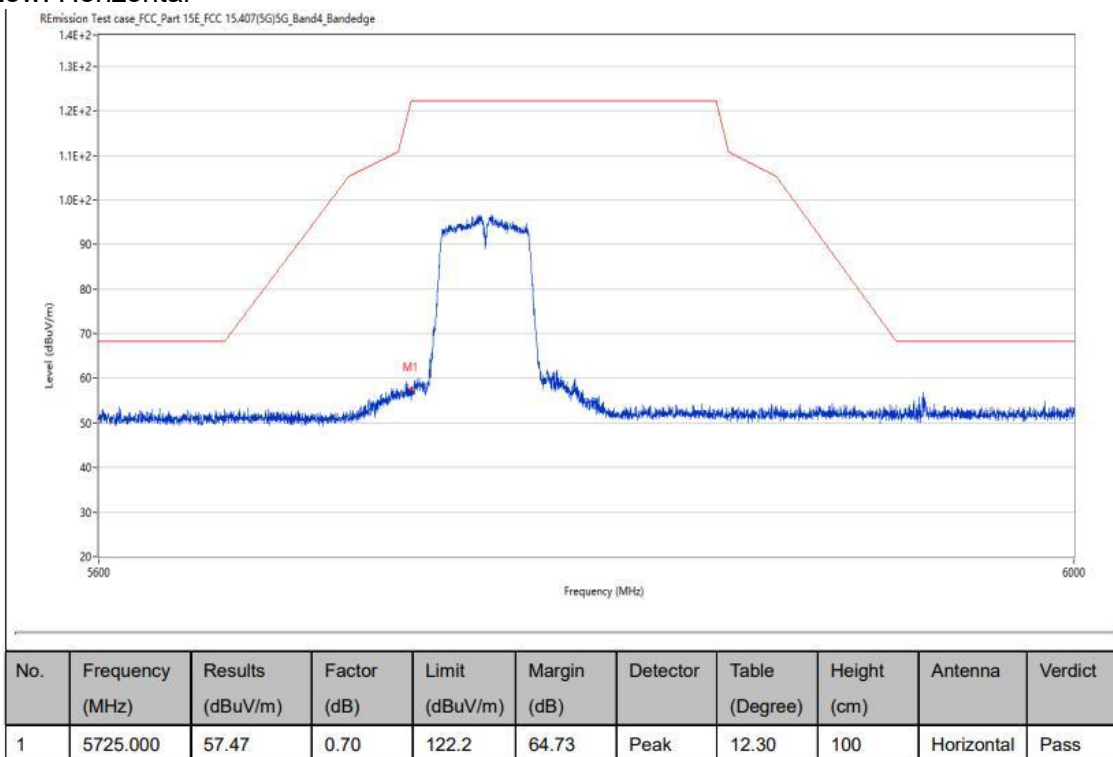


EUT:		Tablet				Model Name.:		DT1	
Temperature:		20 °C				Relative Humidity:		48%	
Pressure:		1010 hPa				Test Voltage:		AC 120V/60Hz	
Test Mode:		TX(5.2G)-802.11n40							
Frequency	Meter Reading	Cable Loss	Antenna Factor	Preamplifier Factor	Emission Level	Limits	Margin	Detector	Comment
(MHz)	(dBμV)	(dB)	dB/m	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	
5.2G WIFI-802.11n40 Mode									
4500	55.32	5.2	35.6	44.2	51.92	74	-22.08	Pk	Horizontal
4500	46.89	5.2	35.6	44.2	43.49	54	-10.51	AV	Horizontal
4500	59.01	5.2	35.6	44.2	55.61	74	-18.39	Pk	Vertical
4500	48.06	5.2	35.6	44.2	44.66	54	-9.34	AV	Vertical
5150	68.27	5.36	35.66	44.22	65.07	74	-8.93	Pk	Horizontal
5150	46.47	5.36	35.66	44.22	43.27	54	-10.73	AV	Horizontal
5150	56.11	5.36	35.66	44.22	52.91	74	-21.09	Pk	Vertical
5150	40.07	5.36	35.66	44.22	36.87	54	-17.13	AV	Vertical
5350	65.64	5.68	35.68	44.22	62.78	74	-11.22	Pk	Vertical
5350	47.49	5.68	35.68	44.22	44.63	54	-9.37	AV	Vertical
5350	62.73	5.68	35.68	44.22	59.87	74	-14.13	Pk	Horizontal
5350	44.18	5.68	35.68	44.22	41.32	54	-12.68	AV	Horizontal

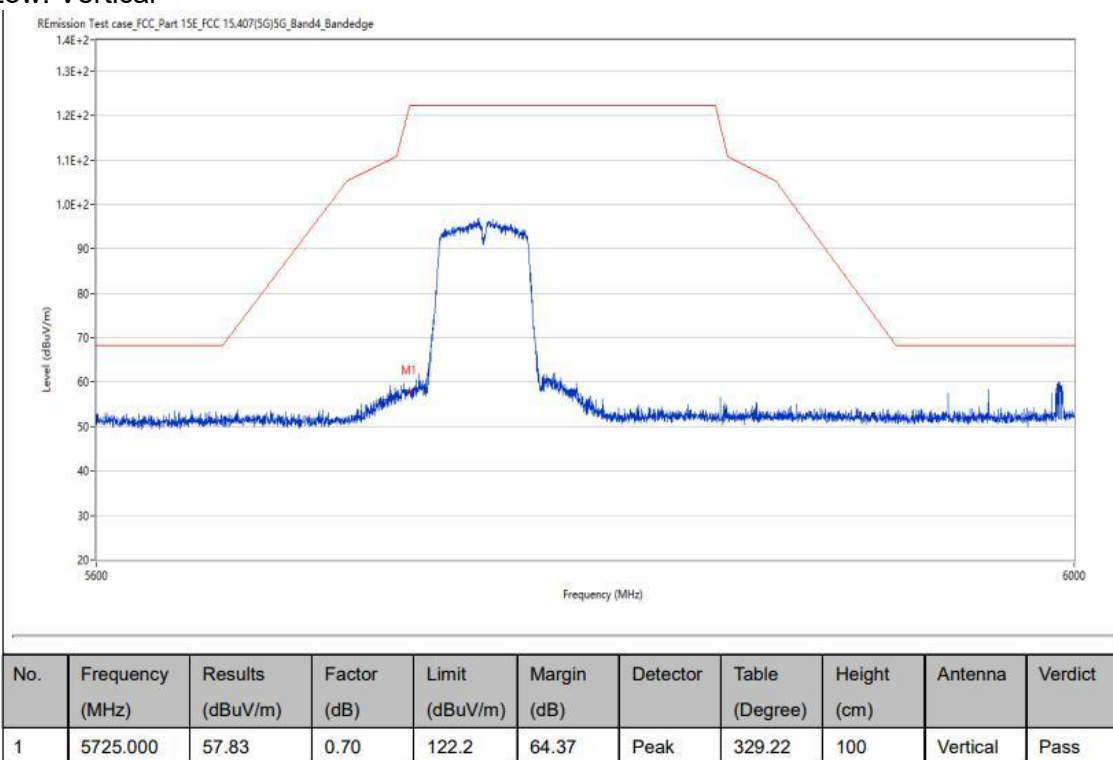
The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Note:(1)Emission Level=Antenna Factor+Cable Loss+Read Level-Preamplifier Factor
(2)When PK value is lower than the Average value limit,average don't record.

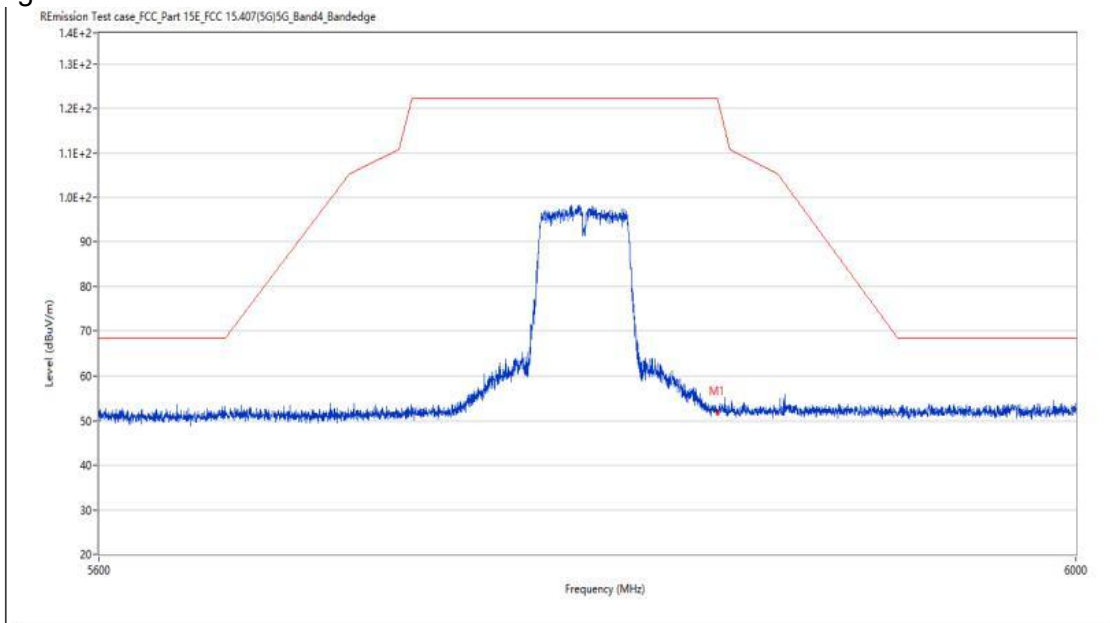
B4-11n40 -Low: Horizontal



B4-11n40 -Low: Vertical

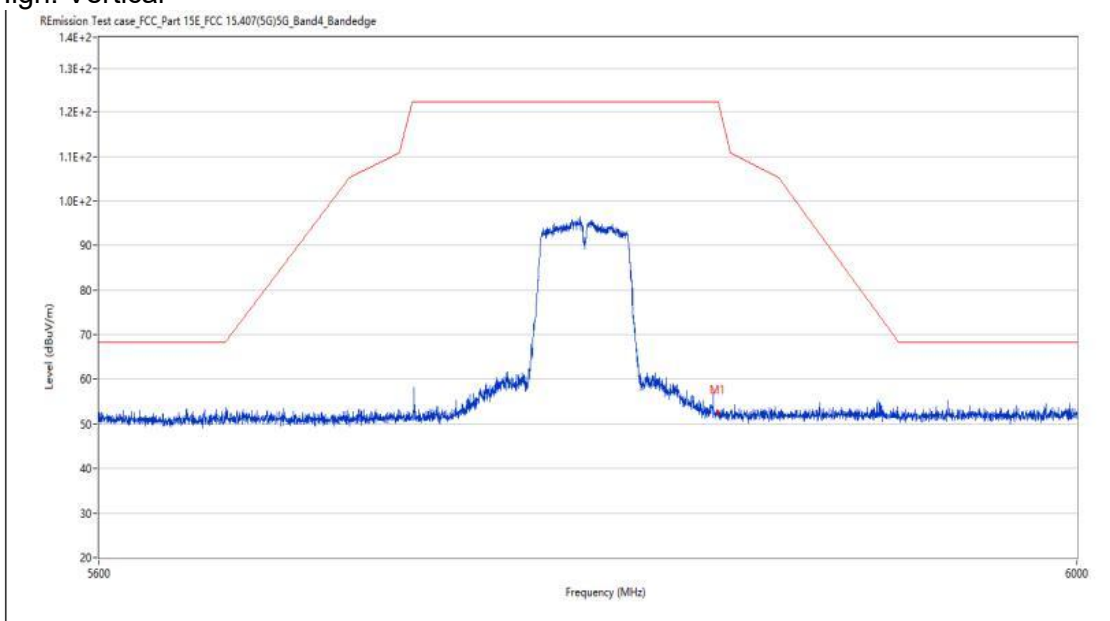


B4-11n40 -High : Horizontal



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5850.000	51.73	1.34	122.2	70.47	Peak	8.55	100	Horizontal	Pass

B4-11n40 -High: Vertical



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5850.000	52.62	1.34	122.2	69.58	Peak	0.00	100	Vertical	Pass

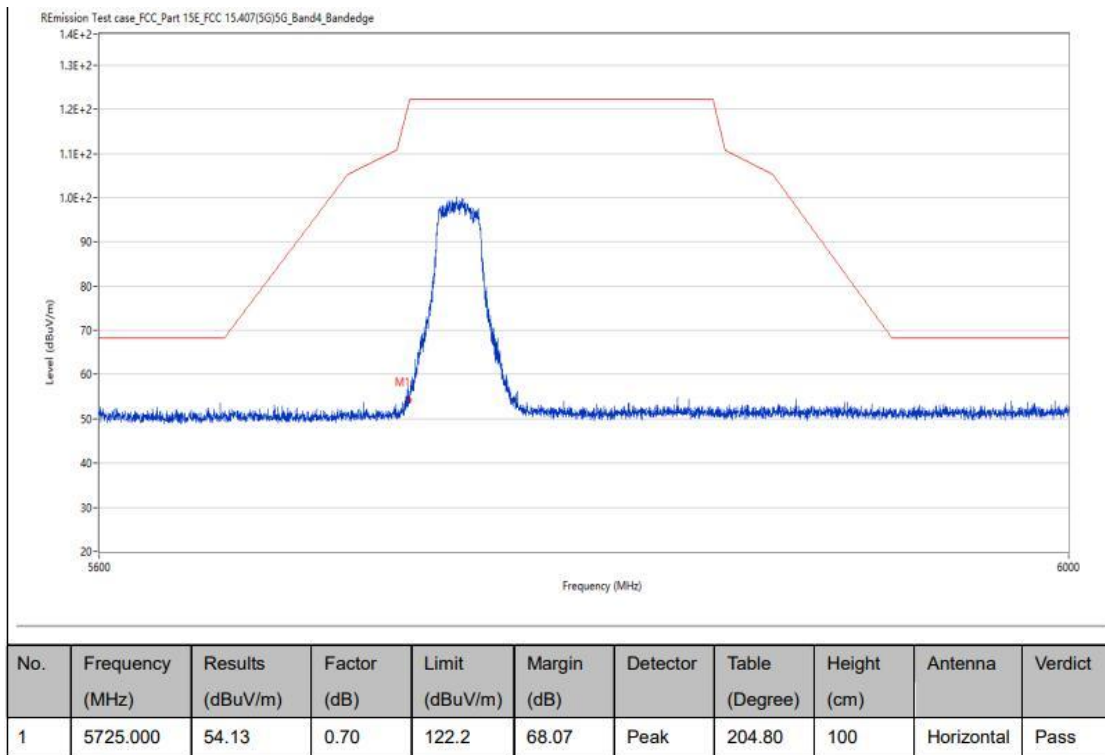


EUT:		Tablet				Model Name.:		DT1	
Temperature:		20 °C				Relative Humidity:		48%	
Pressure:		1010 hPa				Test Voltage:		AC 120V/60Hz	
Test Mode:		TX(5.2G)-802.11ac20							
Frequency	Meter Reading	Cable Loss	Antenna Factor	Preamplifier Factor	Emission Level	Limits	Margin	Detector	Comment
(MHz)	(dBμV)	(dB)	dB/m	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	
5.2G WIFI-802.11ac20 Mode									
4500	55.51	5.2	35.6	44.2	52.11	74	-21.89	Pk	Horizontal
4500	46.34	5.2	35.6	44.2	42.94	54	-11.06	AV	Horizontal
4500	59.73	5.2	35.6	44.2	56.33	74	-17.67	Pk	Vertical
4500	48.93	5.2	35.6	44.2	45.53	54	-8.47	AV	Vertical
5150	68.07	5.36	35.66	44.22	64.87	74	-9.13	Pk	Horizontal
5150	46.27	5.36	35.66	44.22	43.07	54	-10.93	AV	Horizontal
5150	56.84	5.36	35.66	44.22	53.64	74	-20.36	Pk	Vertical
5150	40.11	5.36	35.66	44.22	36.91	54	-17.09	AV	Vertical
5350	65.15	5.68	35.68	44.22	62.29	74	-11.71	Pk	Vertical
5350	47.31	5.68	35.68	44.22	44.45	54	-9.55	AV	Vertical
5350	62.64	5.68	35.68	44.22	59.78	74	-14.22	Pk	Horizontal
5350	44.47	5.68	35.68	44.22	41.61	54	-12.39	AV	Horizontal

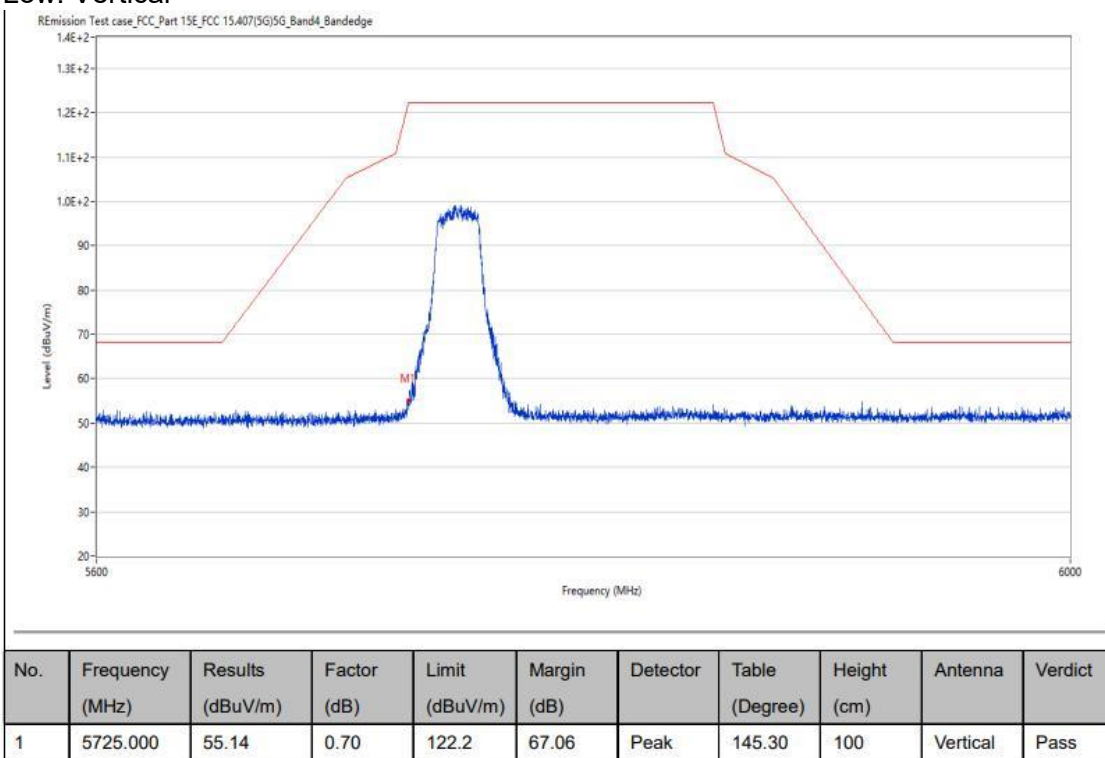
The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Note:(1)Emission Level=Antenna Factor+Cable Loss+Read Level-Preamplifier Factor
(2)When PK value is lower than the Average value limit,average don't record.

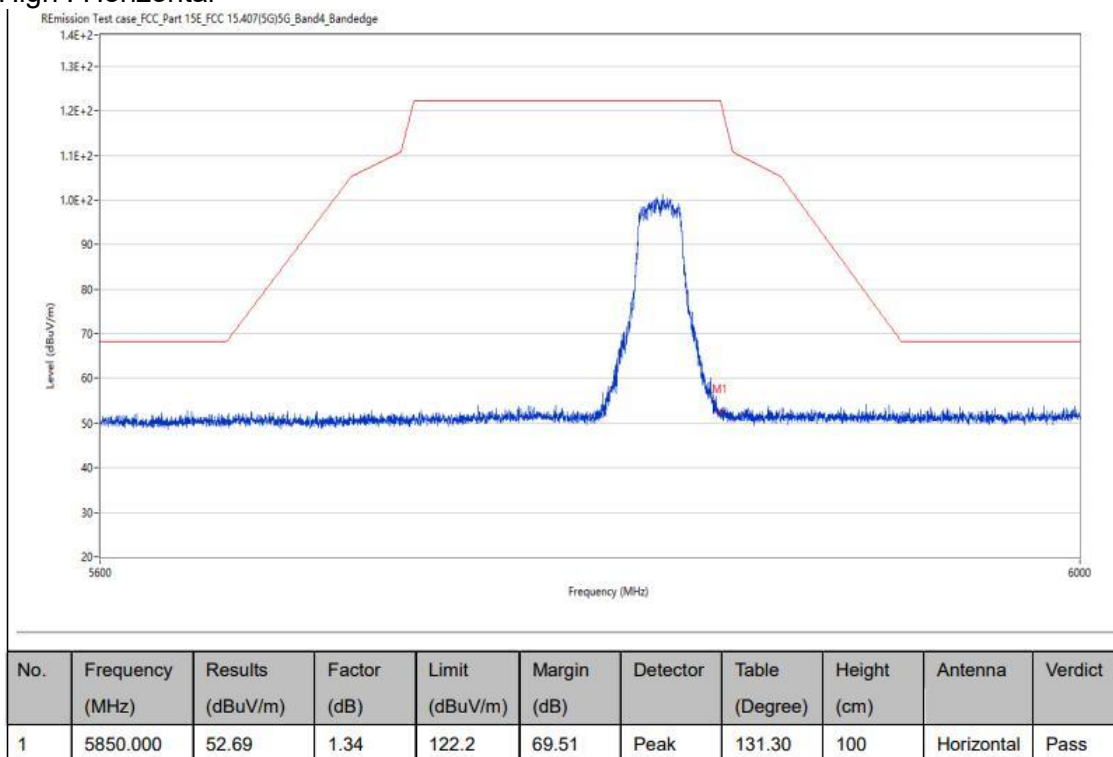
B4-11ac20 -Low: Horizontal



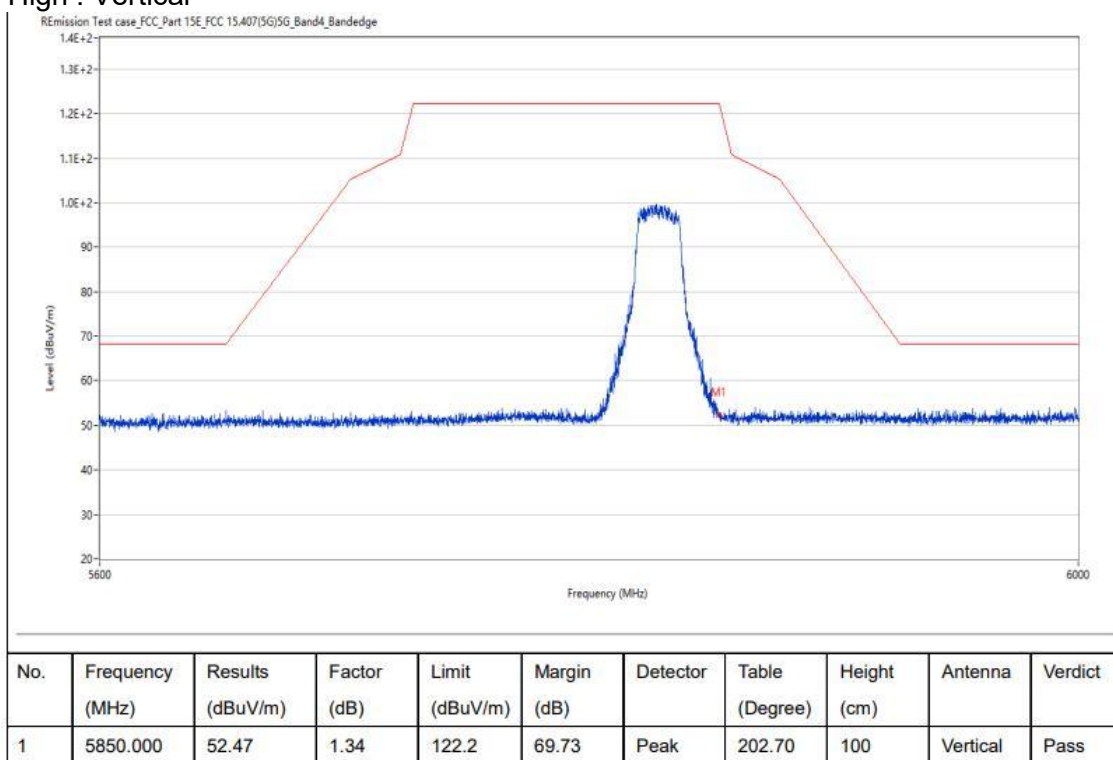
B4-11ac20 -Low: Vertical



B4-11ac20 High : Horizontal



B4-11ac20 -High : Vertical



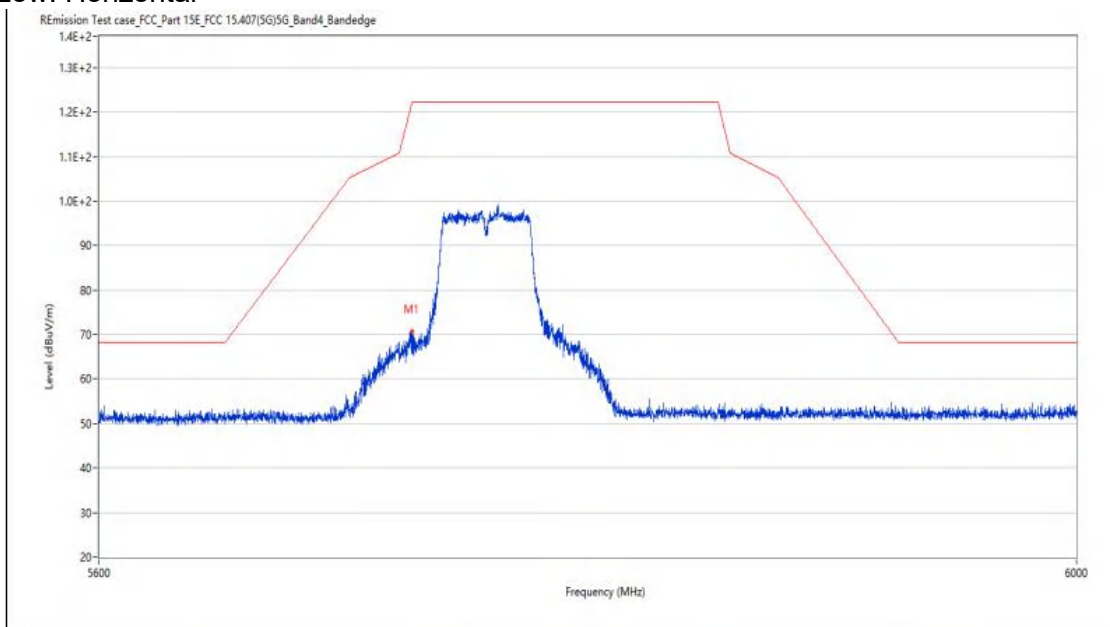


EUT:		Tablet				Model Name.:		DT1	
Temperature:		20 °C				Relative Humidity:		48%	
Pressure:		1010 hPa				Test Voltage:		AC 120V/60Hz	
Test Mode:		TX(5.2G)-802.11ac40							
Frequency	Meter Reading	Cable Loss	Antenna Factor	Preamplifier Factor	Emission Level	Limits	Margin	Detector	Comment
(MHz)	(dBμV)	(dB)	dB/m	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	
5.2G WIFI-802.11ac40 Mode									
4500	55.13	5.2	35.6	44.2	51.73	74	-22.27	Pk	Horizontal
4500	46.06	5.2	35.6	44.2	42.66	54	-11.34	AV	Horizontal
4500	59.27	5.2	35.6	44.2	55.87	74	-18.13	Pk	Vertical
4500	48.17	5.2	35.6	44.2	44.77	54	-9.23	AV	Vertical
5150	68.19	5.36	35.66	44.22	64.99	74	-9.01	Pk	Horizontal
5150	46.34	5.36	35.66	44.22	43.14	54	-10.86	AV	Horizontal
5150	56.25	5.36	35.66	44.22	53.05	74	-20.95	Pk	Vertical
5150	40.33	5.36	35.66	44.22	37.13	54	-16.87	AV	Vertical
5350	65.38	5.68	35.68	44.22	62.52	74	-11.48	Pk	Vertical
5350	47.49	5.68	35.68	44.22	44.63	54	-9.37	AV	Vertical
5350	62.52	5.68	35.68	44.22	59.66	74	-14.34	Pk	Horizontal
5350	44.46	5.68	35.68	44.22	41.60	54	-12.40	AV	Horizontal

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

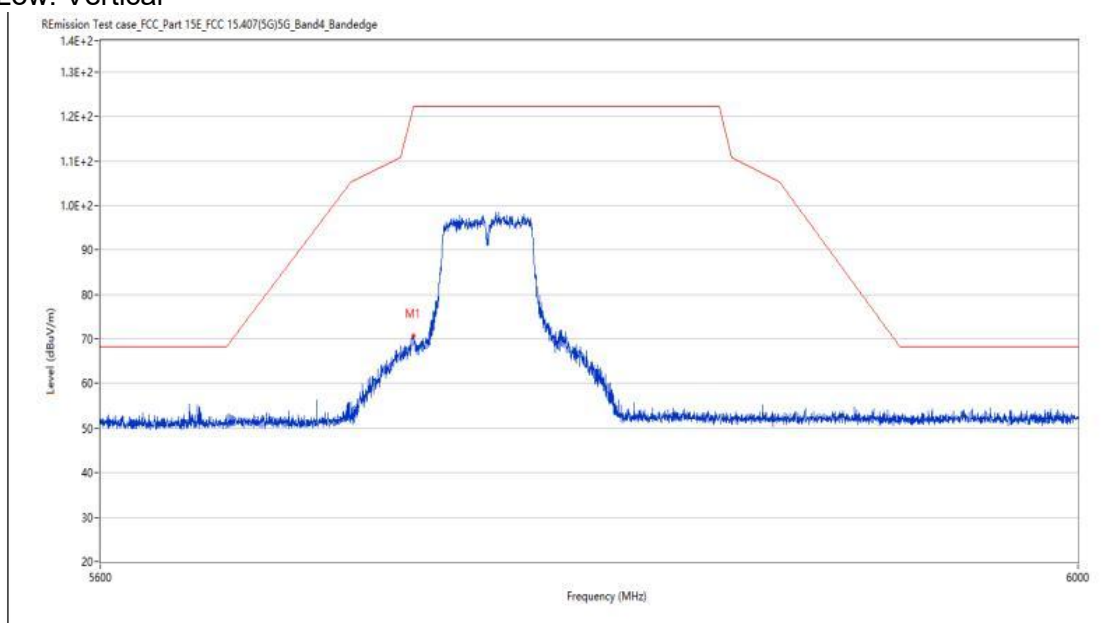
Note:(1)Emission Level=Antenna Factor+Cable Loss+Read Level-Preamplifier Factor
(2)When PK value is lower than the Average value limit,average don't record.

B4-11ac40 Low: Horizontal



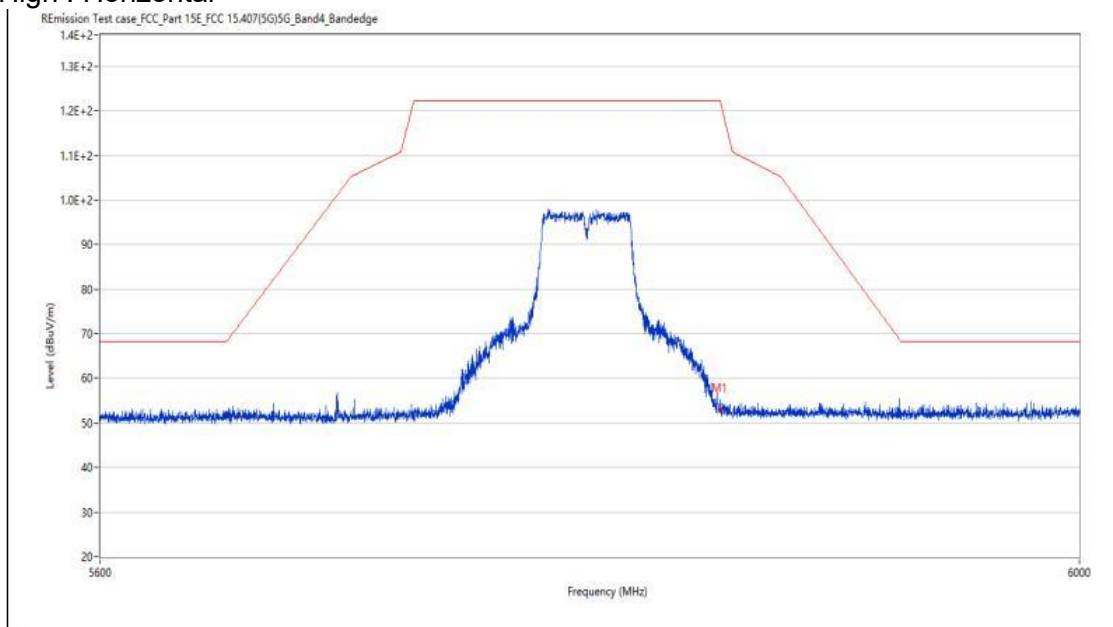
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	70.70	0.70	122.2	51.50	Peak	16.56	100	Horizontal	Pass

B4-11ac40 Low: Vertical



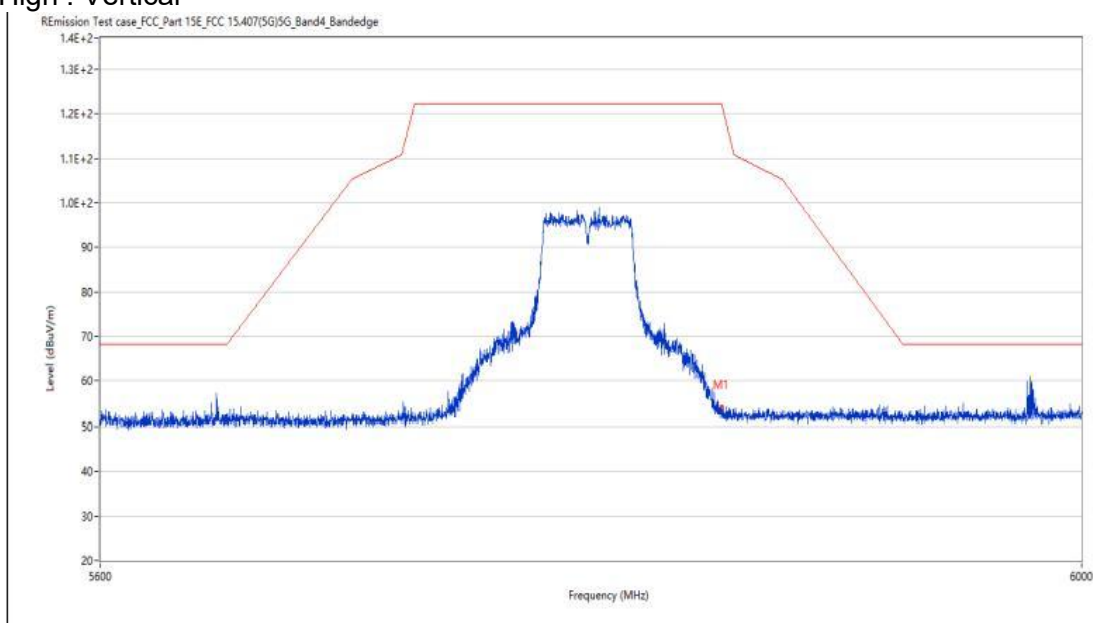
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5725.000	70.76	0.70	122.2	51.44	Peak	54.40	100	Vertical	Pass

B4-11ac40 High : Horizontal



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5850.000	52.90	1.34	122.2	69.30	Peak	65.72	100	Horizontal	Pass

B4-11ac40 High : Vertical



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	5850.000	54.12	1.34	122.2	68.08	Peak	34.32	100	Vertical	Pass

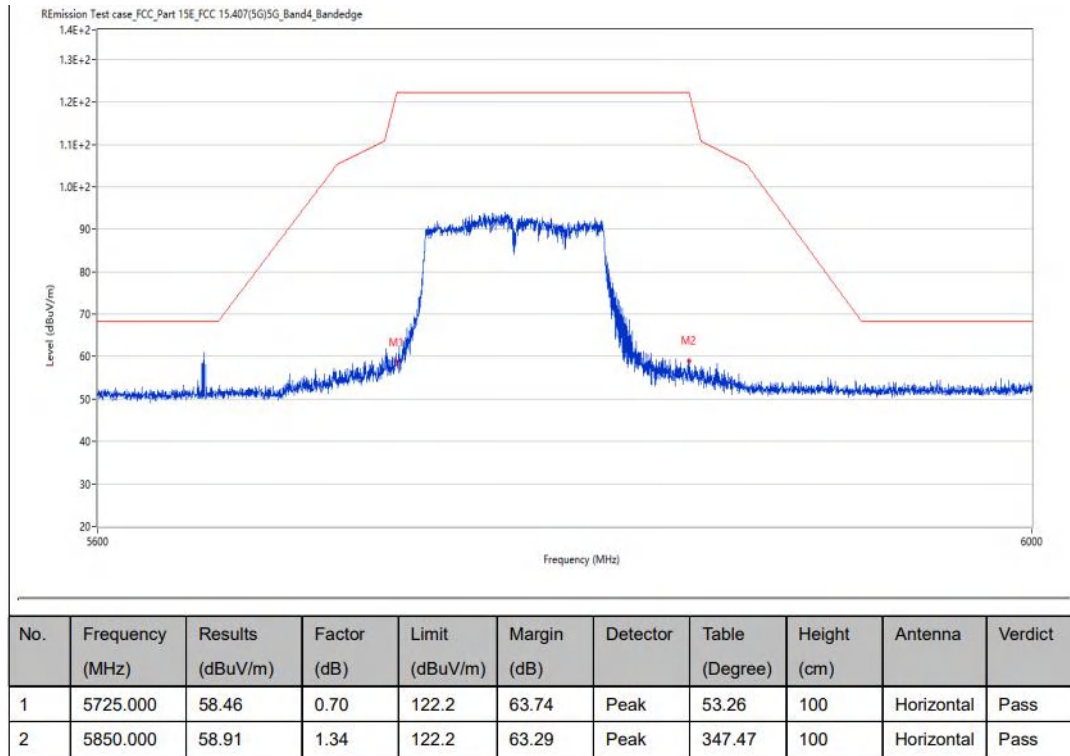


EUT:		Tablet				Model Name.:		DT1	
Temperature:		20 °C				Relative Humidity:		48%	
Pressure:		1010 hPa				Test Voltage:		AC 120V/60Hz	
Test Mode:		TX(5.2G)-802.11ac80							
Frequency	Meter Reading	Cable Loss	Antenna Factor	Preamplifier Factor	Emission Level	Limits	Margin	Detector	Comment
(MHz)	(dBμV)	(dB)	dB/m	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	
5.2G WIFI-802.11ac80 Mode									
4500	55.65	5.2	35.6	44.2	52.25	74	-21.75	Pk	Horizontal
4500	46.01	5.2	35.6	44.2	42.61	54	-11.39	AV	Horizontal
4500	59.48	5.2	35.6	44.2	56.08	74	-17.92	Pk	Vertical
4500	48.04	5.2	35.6	44.2	44.64	54	-9.36	AV	Vertical
5150	68.57	5.36	35.66	44.22	65.37	74	-8.63	Pk	Horizontal
5150	46.05	5.36	35.66	44.22	42.85	54	-11.15	AV	Horizontal
5150	56.61	5.36	35.66	44.22	53.41	74	-20.59	Pk	Vertical
5150	40.59	5.36	35.66	44.22	37.39	54	-16.61	AV	Vertical
5350	65.48	5.68	35.68	44.22	62.62	74	-11.38	Pk	Vertical
5350	47.34	5.68	35.68	44.22	44.48	54	-9.52	AV	Vertical
5350	62.66	5.68	35.68	44.22	59.8	74	-14.2	Pk	Horizontal
5350	44.09	5.68	35.68	44.22	41.23	54	-12.77	AV	Horizontal

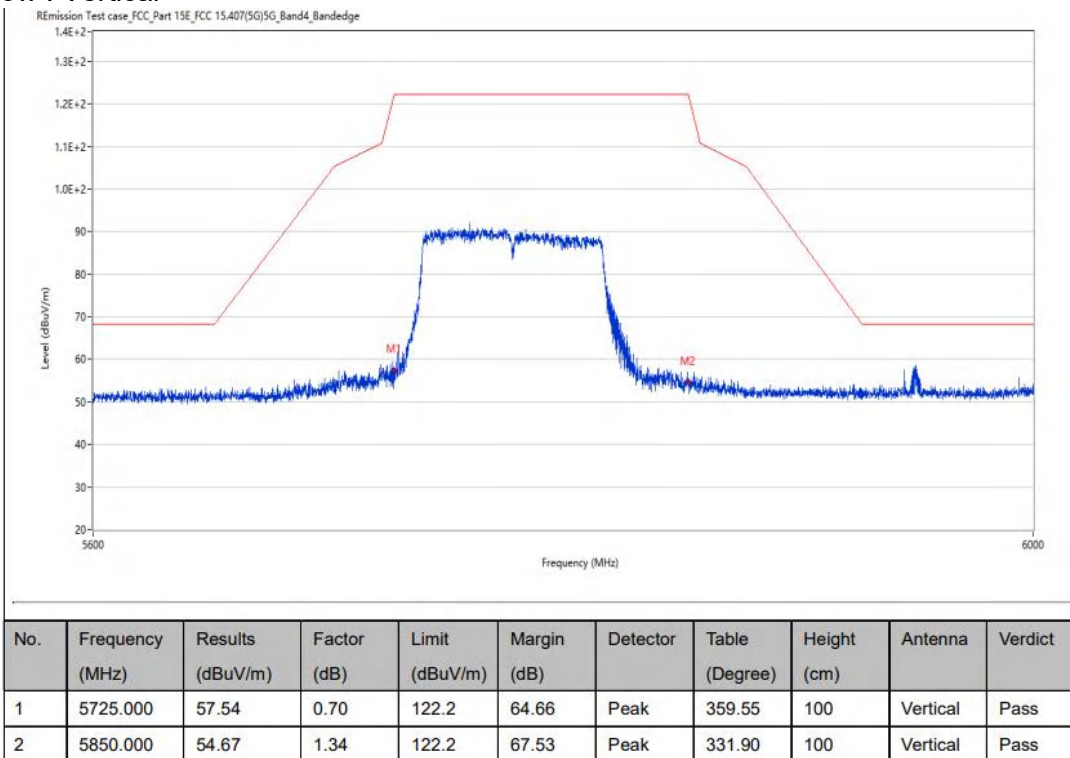
The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Note:(1)Emission Level=Antenna Factor+Cable Loss+Read Level-Preamplifier Factor
(2)When PK value is lower than the Average value limit,average don't record.

B4-11ac80 -Low : Horizontal



B4-11ac80 -Low : Vertical



10 CONDUCTED EMISSION TEST

10.1 POWER LINE CONDUCTED EMISSION LIMITS

Operating frequency band. In case the emission fall within the restricted band specified on Part 207(a) limit in the table below has to be followed.

FREQUENCY (MHz)	Conducted Emission limit (dBuV)	
	Quasi-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

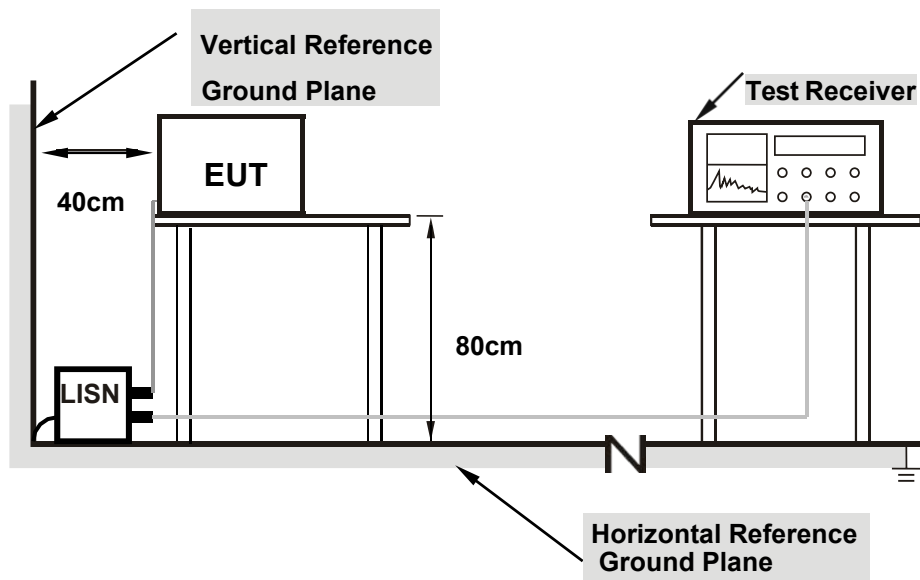
The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

10.2 TEST PROCEDURE

- The EUT was 0.8 meters from the horizontal ground plane and 0.4 meters from the vertical ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- LISN at least 80 cm from nearest part of EUT chassis.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

10.3 TEST SETUP



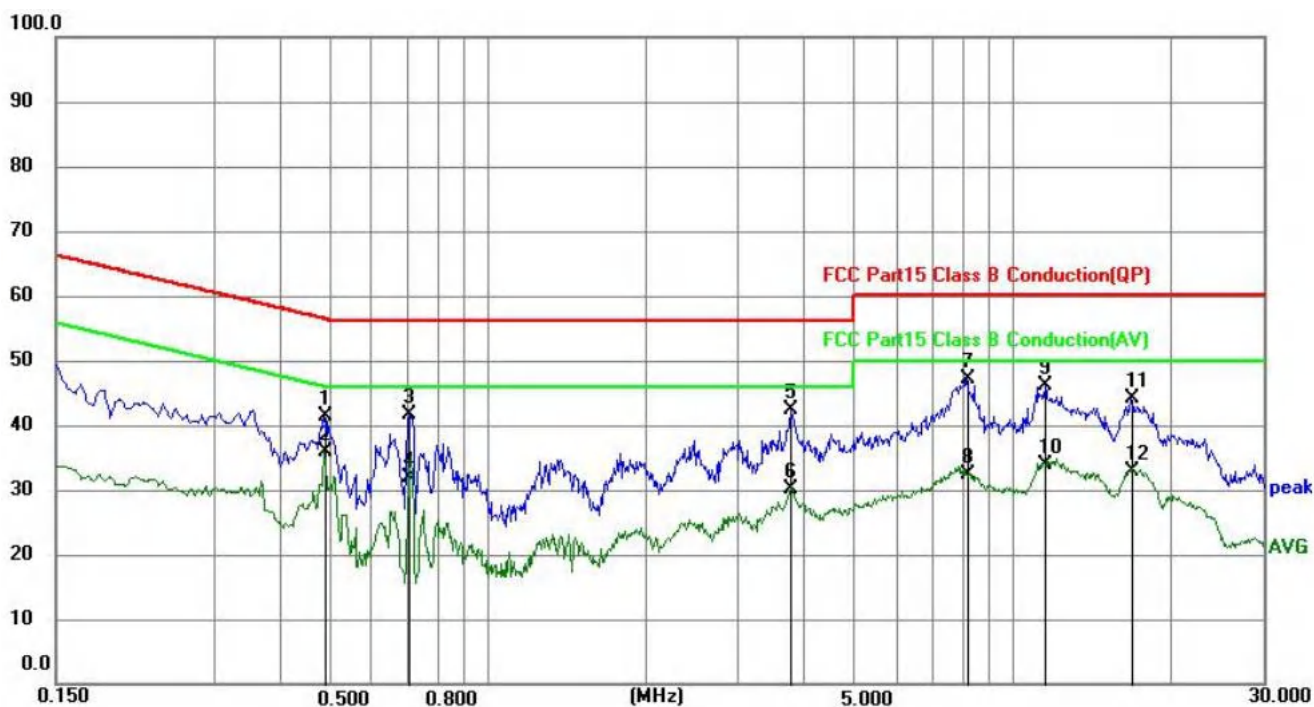
Note: 1.Support units were connected to second LISN.

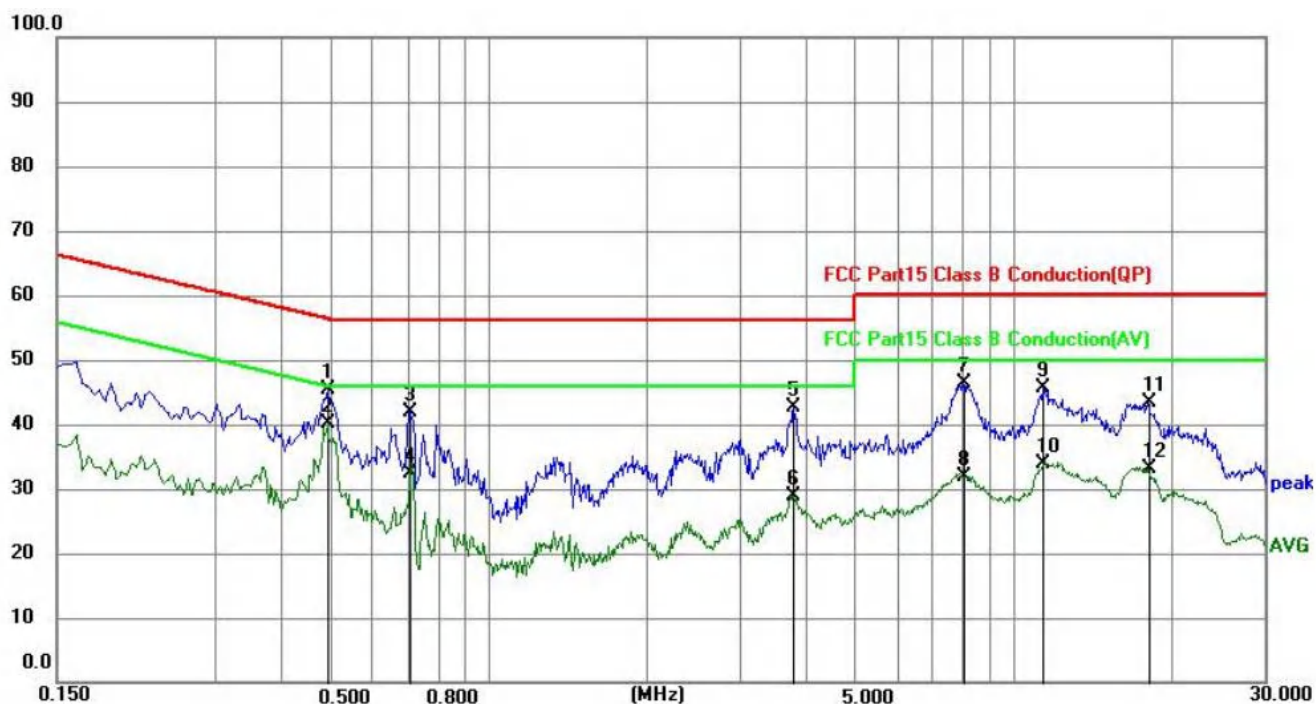
2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

10.4 TEST RESULT

Temperature:	22.1 °C	Relative Humidity:	56%
Test Voltage:	AC 120V/60Hz	Phase:	L/N
Test Mode:	ON		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.4875	31.49	9.87	41.36	56.21	14.85	QP
2	0.4875	25.90	9.87	35.77	46.21	10.44	AVG
3	0.7080	31.66	9.89	41.55	56.00	14.45	QP
4	0.7080	22.04	9.89	31.93	46.00	14.07	AVG
5	3.7725	24.43	17.90	42.33	56.00	13.67	QP
6	3.7725	12.17	17.90	30.07	46.00	15.93	AVG
7	8.1555	27.25	20.00	47.25	60.00	12.75	QP
8	8.1555	12.33	20.00	32.33	50.00	17.67	AVG
9	11.5034	26.08	20.04	46.12	60.00	13.88	QP
10	11.5034	13.93	20.04	33.97	50.00	16.03	AVG
11	16.7685	23.90	20.13	44.03	60.00	15.97	QP
12	16.7685	12.82	20.13	32.95	50.00	17.05	AVG





No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.4920	35.46	9.87	45.33	56.13	10.80	QP
2	0.4920	30.33	9.87	40.20	46.13	5.93	AVG
3	0.7080	32.01	9.89	41.90	56.00	14.10	QP
4	0.7080	22.38	9.89	32.27	46.00	13.73	AVG
5	3.8130	24.69	18.00	42.69	56.00	13.31	QP
6	3.8130	10.88	18.00	28.88	46.00	17.12	AVG
7	8.0070	26.35	20.14	46.49	60.00	13.51	QP
8	8.0070	11.80	20.14	31.94	50.00	18.06	AVG
9	11.3549	25.56	20.19	45.75	60.00	14.25	QP
10	11.3549	13.72	20.19	33.91	50.00	16.09	AVG
11	17.9790	23.14	20.24	43.38	60.00	16.62	QP
12	17.9790	12.79	20.24	33.03	50.00	16.97	AVG



11. ANTENNA REQUIREMENT

11.1 STANDARD REQUIREMENT

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.407 (a), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

11.2 RESULT

The antennas used for this product are PCB antenna and other than that furnished by the responsible party shall be used with the device, the maximum peak gain of the transmit antenna is 4.18 dBi.

*****END OF THE REPORT*****