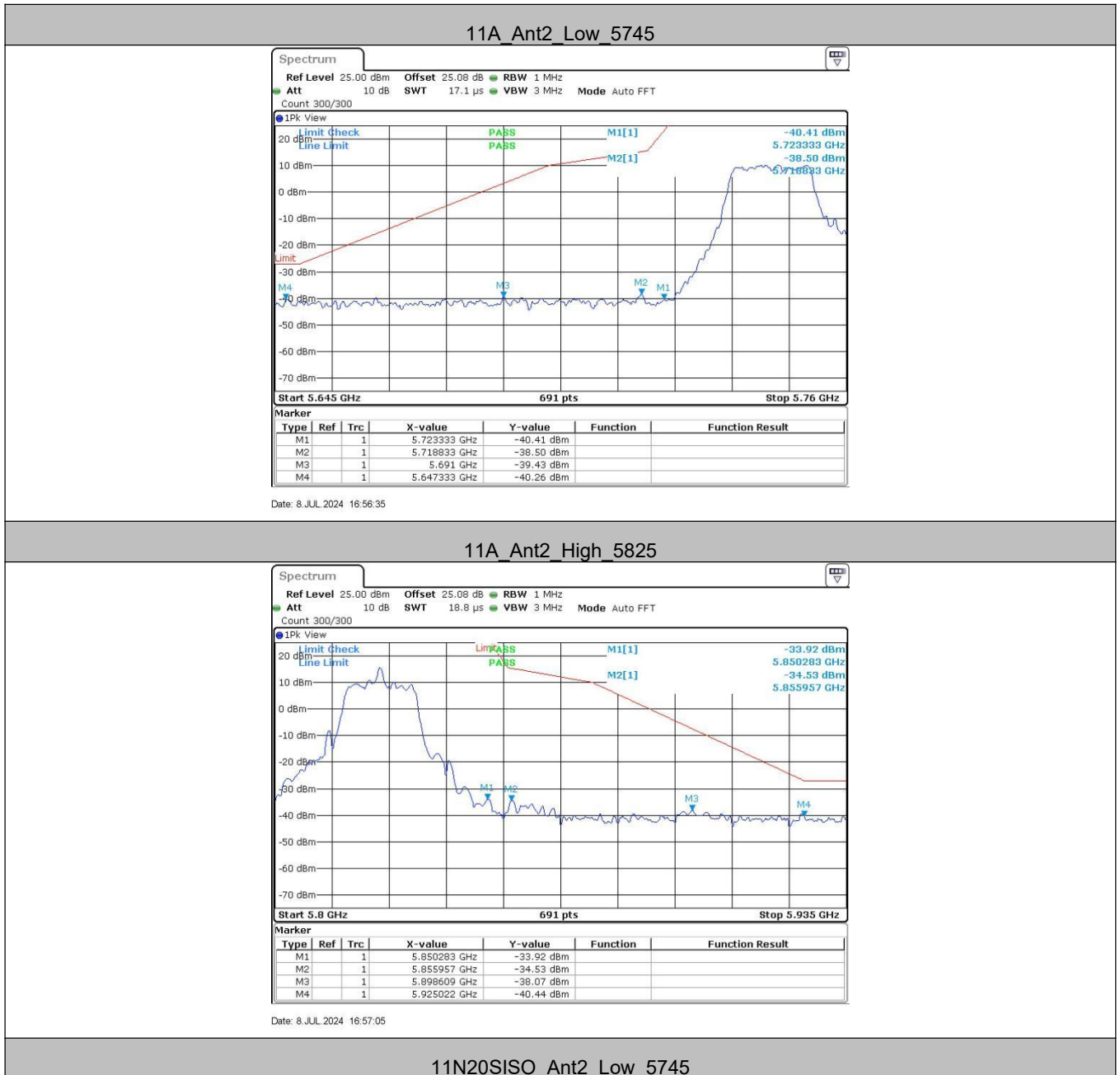
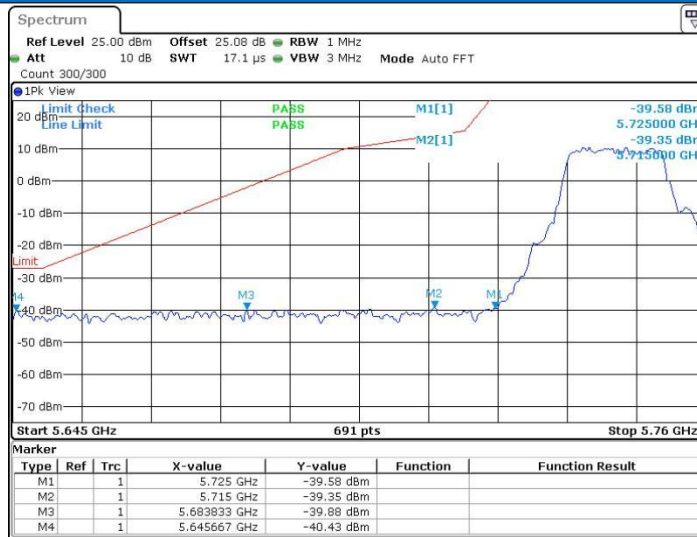




Date: 8 JUL 2024 17:17:30

7.1.8 Test Graphs B4





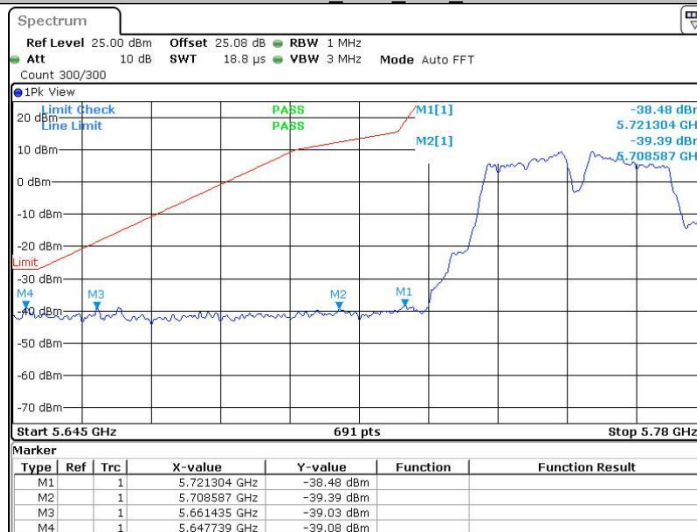
Date: 8 JUL 2024 16:58:44

11N20SISO Ant2 High 5825



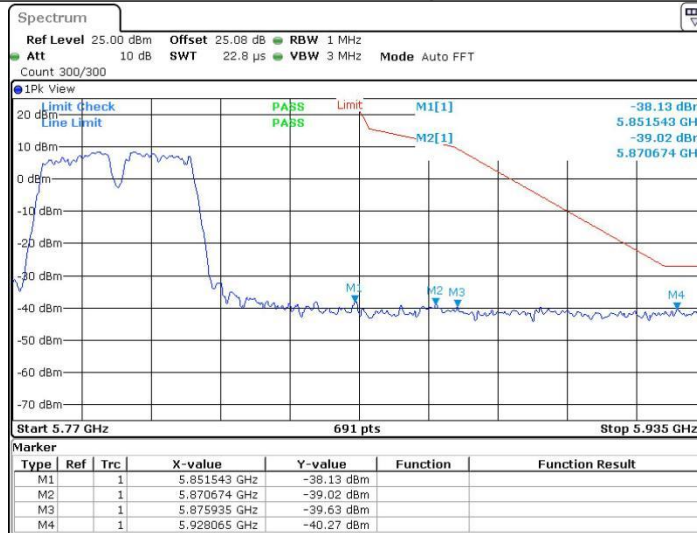
Date: 8 JUL 2024 16:59:13

11N40SISO Ant2 Low 5755



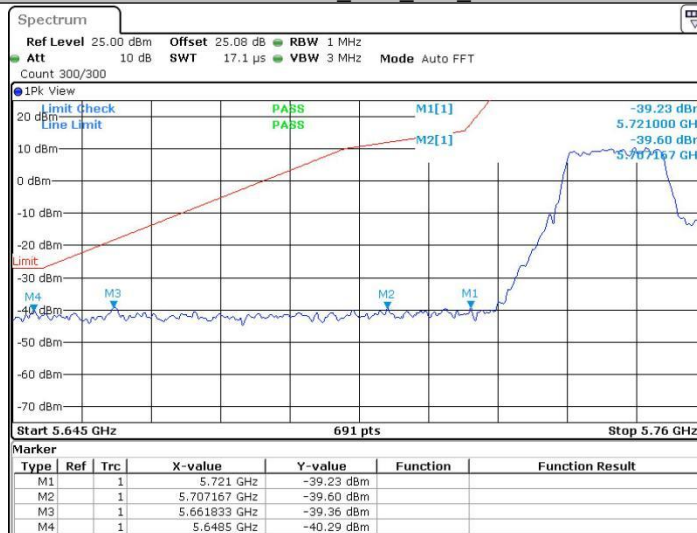
Date: 8 JUL 2024 17:00:50

11N40SISO_Ant2_High_5795



Date: 8 JUL 2024 17:01:20

11AC20SISO_Ant2_Low_5745



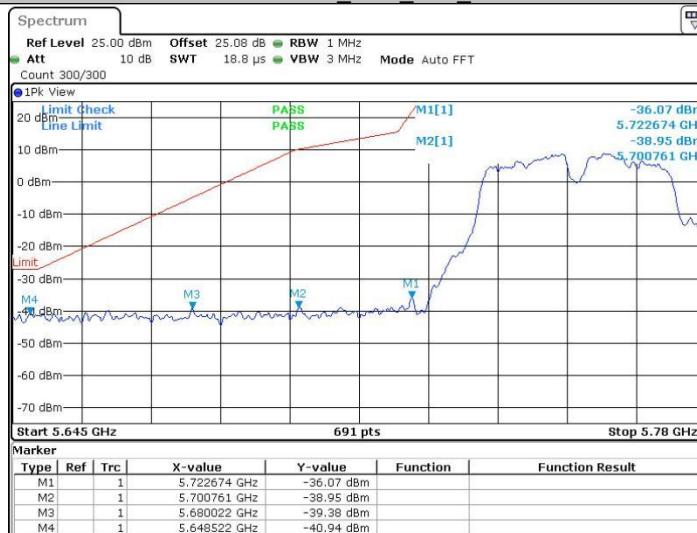
Date: 8 JUL 2024 17:03:06

11AC20SISO_Ant2_High_5825



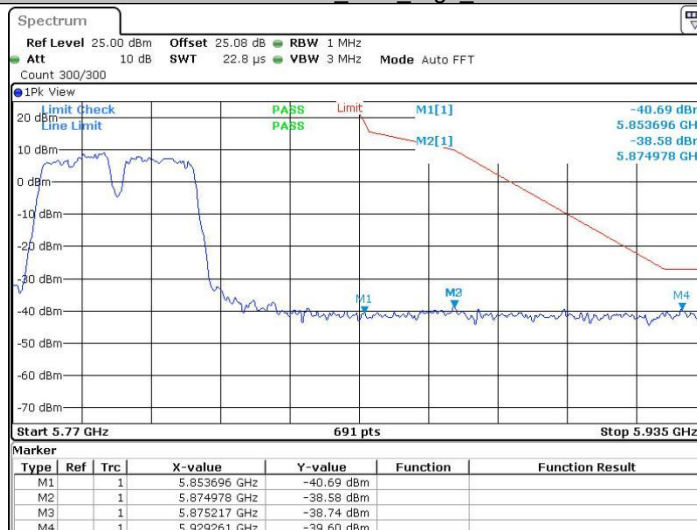
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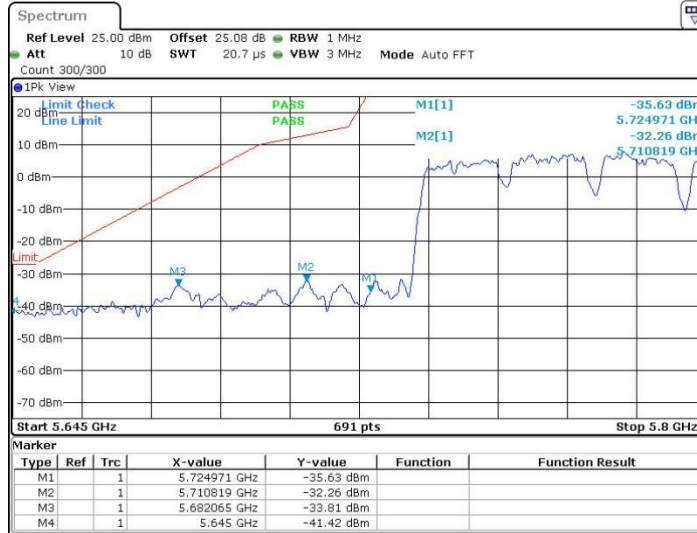
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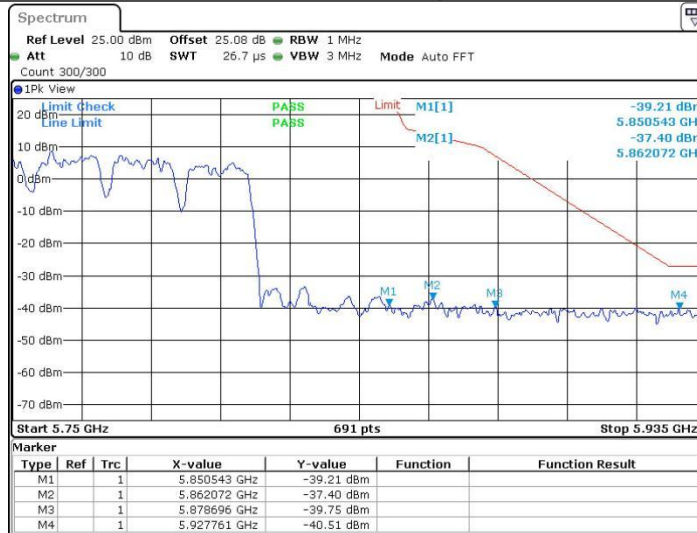
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11AC80SISO_Ant2_Low_5775



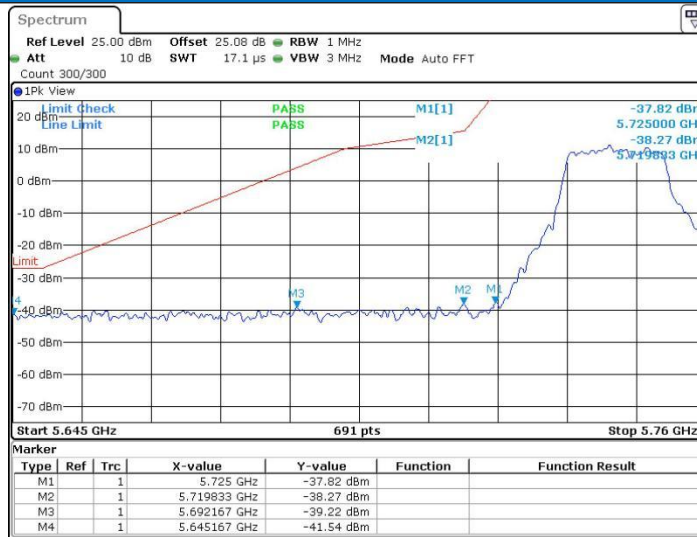
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11AC80SISO_Ant2_High_5775



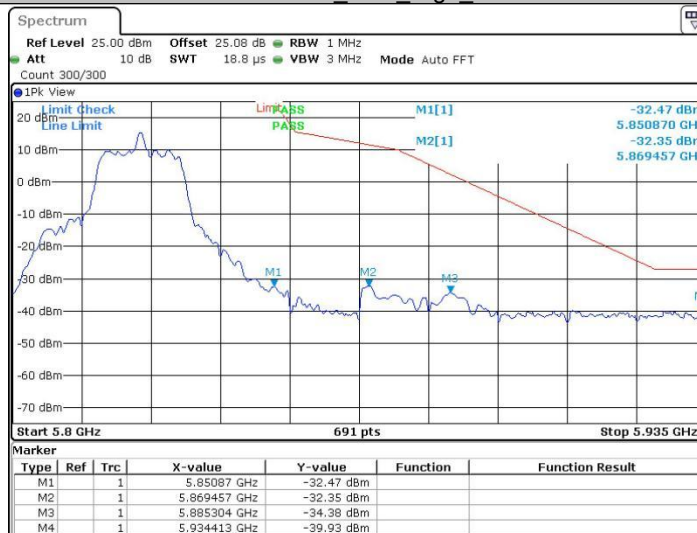
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11AX20SISO_Ant2_Low_5745



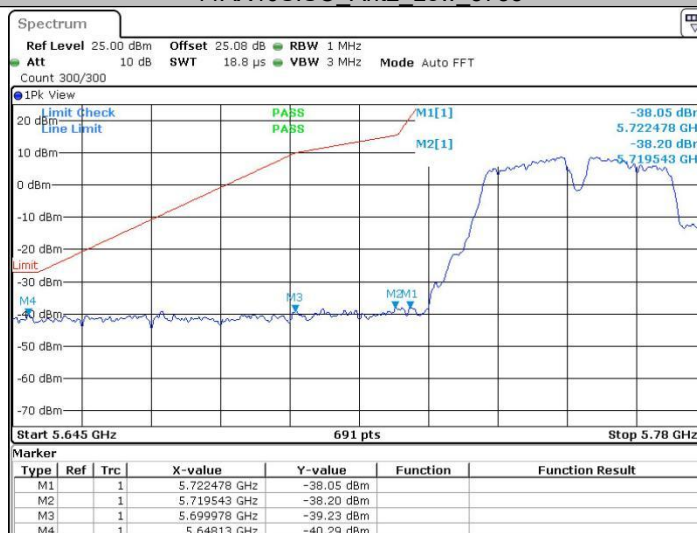
Date: 8 JUL 2024 17:10:04

11AX20SISO_Ant2_High_5825



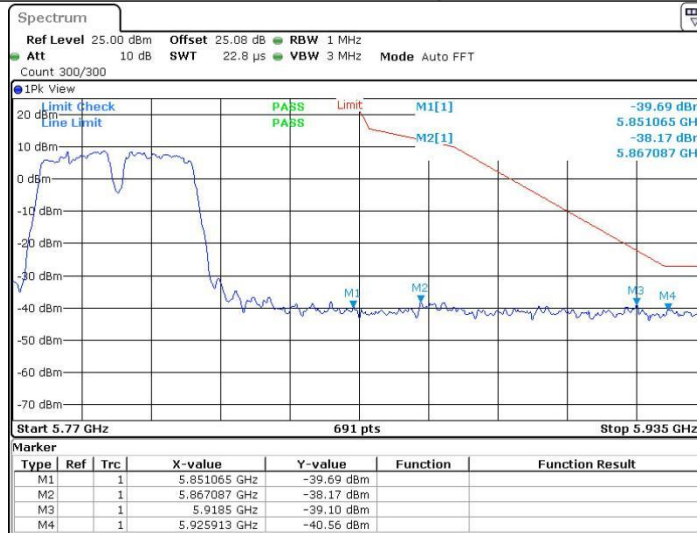
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11AX40SISO_Ant2_Low_5755



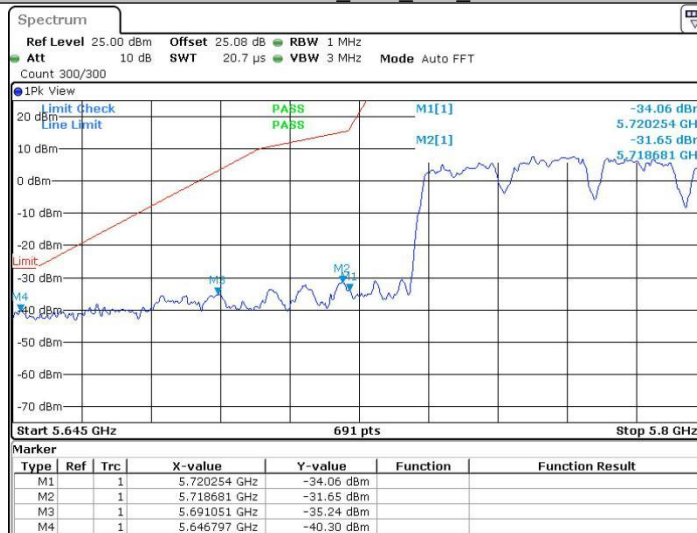
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11AX40SISO_Ant2_High_5795



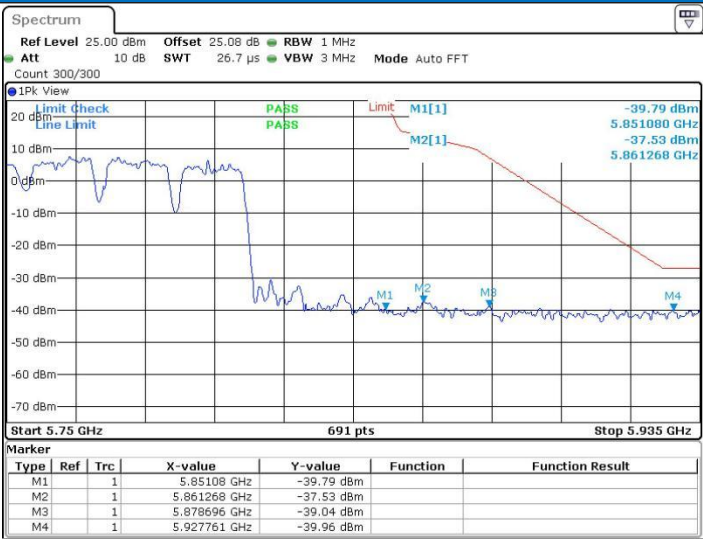
Date: 8 JUL 2024 17:13:19

11AX80SISO_Ant2_Low_5775



Date: 8 JUL 2024 17:18:04

11AX80SISO_Ant2_High_5775



Date: 8 JUL 2024 17:18:27

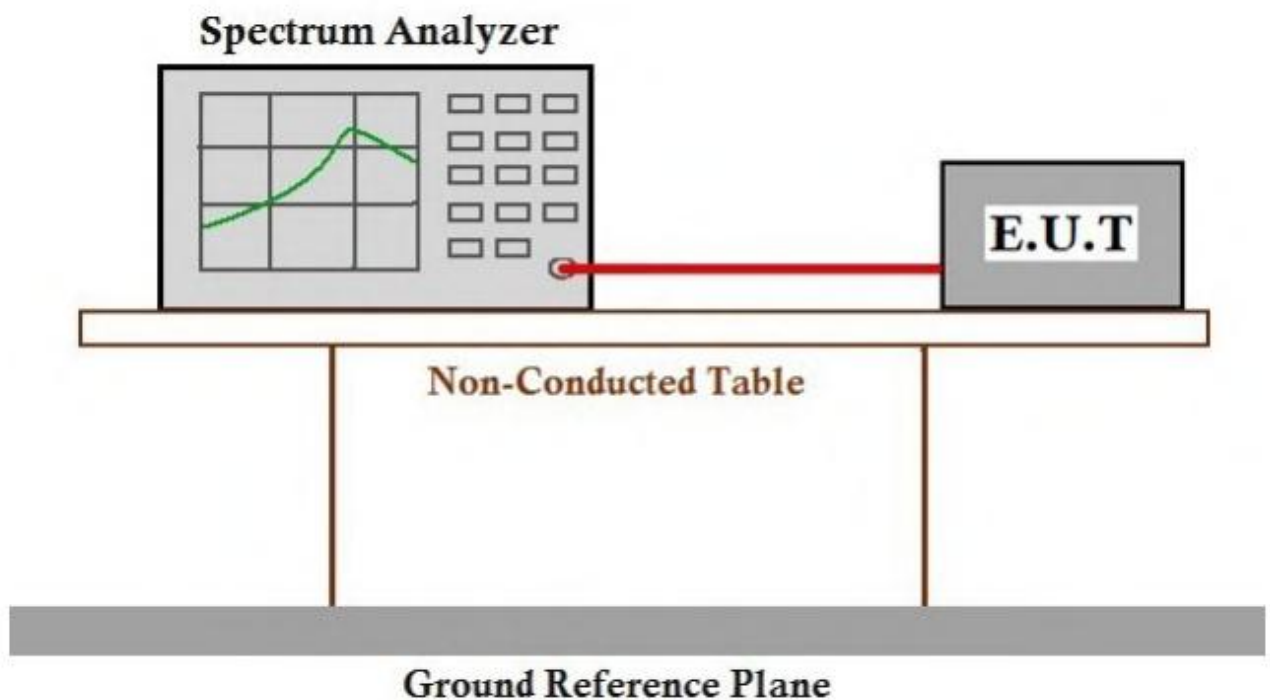
Appendix E): Frequency Stability

Test Requirement 47 CFR Part 15, Subpart C 15.407 (g)

Test Method: ANSI C63.10 (2013) Section 6.8

Limit: The frequency tolerance shall be maintained within the band of operation frequency over a temperature variation of 0 degrees to 35 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C.

Test Setup Diagram



Measurement Data

Ant1

Frequency Stability Versus Temp.			
Operating Frequency: 5240 MHz			
Temp	Voltage	Measured Frequency	Frequency Drift
(°C)		(MHz)	(ppm)
50	VN	5240.03	5.72519
40		5240.02	3.81679
30		5240.01	1.90840
20		5240.02	3.81679
10		5240.02	3.81679
0		5240.01	1.90840
-10		5240.02	3.81679
-20		5240.03	5.72519

Frequency Stability Versus Temp.			
Operating Frequency: 5210 MHz			
Temp.	Voltage	Measured Frequency	Frequency Drift
		(MHz)	(ppm)
TN	VL	5210.00	0.00000
	VN	5210.03	5.75816
	VH	5210.02	3.83877

Ant2

Frequency Stability Versus Temp.			
Operating Frequency: 5240 MHz			
Temp	Voltage	Measured Frequency	Frequency Drift
(°C)		(MHz)	(ppm)
50	VN	5240.03	5.72519
40		5240.02	3.81679
30		5240.01	1.90840
20		5240.02	3.81679
10		5240.02	3.81679
0		5240.01	1.90840
-10		5240.02	3.81679
-20		5240.03	5.72519

Frequency Stability Versus Temp.			
Operating Frequency: 5210 MHz			
Temp.	Voltage	Measured Frequency	Frequency Drift
		(MHz)	(ppm)
TN	VL	5210.00	0.00000
	VN	5210.03	5.75816
	VH	5210.02	3.83877

Note: All the modulation and channels had been tested, but only the worst data recorded in the report.

Appendix F): Antenna Requirement

15.203 requirement:

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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.407(a)(1) (2) requirement:

The conducted output power limit specified in paragraph (a) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (a) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power and the peak power spectral density shall be reduced by the by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

EUT Antenna:



The antenna is External antenna with ipex connector. The best case gain of the 5G WiFi antenna is
 Ant1:6.7dBi@5GHz: Wi-Fi: U-NII-1, 6.71dBi@5GHz: Wi-Fi: U-NII-3
 Ant2:6.7dBi@5GHz: Wi-Fi: U-NII-1, 6.71dBi@5GHz: Wi-Fi: U-NII-3
 Ant1+Ant2:
 9.71dBi@5GHz: Wi-Fi: U-NII-1, 9.72dBi@5GHz: Wi-Fi: U-NII-3

Appendix G): Operation in the absence of information to the transmit

15.407(c) requirement:

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 signaling 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.

Operation in the absence of information to the transmit

While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving. The EUT can detect the controlling signal of ASK message transmitting from remote device and verify whether it shall resend or discontinue transmission. (manufacturer declare)

Appendix H): AC Power Line Conducted Emission

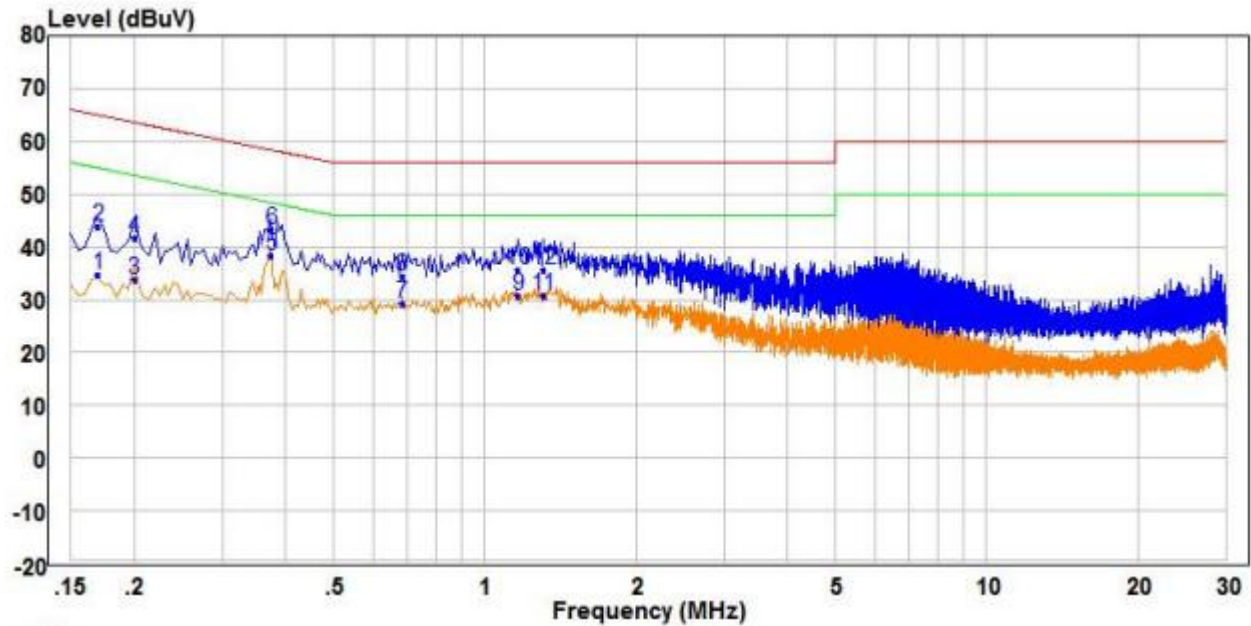
Test Procedure:	Test frequency range :150KHz-30MHz 1)The mains terminal disturbance voltage test was conducted in a shielded room. 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50Ω/50μH + 5Ω linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded. 3)The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane, 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2. 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.														
Limit:	<table><tr><th rowspan="2">Frequency range (MHz)</th><th colspan="2">Limit (dBμV)</th></tr><tr><th>Quasi-peak</th><th>Average</th></tr><tr><td>0.15-0.5</td><td>66 to 56*</td><td>56 to 46*</td></tr><tr><td>0.5-5</td><td>56</td><td>46</td></tr><tr><td>5-30</td><td>60</td><td>50</td></tr></table> * The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz. NOTE : The lower limit is applicable at the transition frequency	Frequency range (MHz)	Limit (dBμV)		Quasi-peak	Average	0.15-0.5	66 to 56*	56 to 46*	0.5-5	56	46	5-30	60	50
Frequency range (MHz)	Limit (dBμV)														
	Quasi-peak	Average													
0.15-0.5	66 to 56*	56 to 46*													
0.5-5	56	46													
5-30	60	50													

Measurement Data

An initial pre-scan was performed on the live and neutral lines with peak detector.

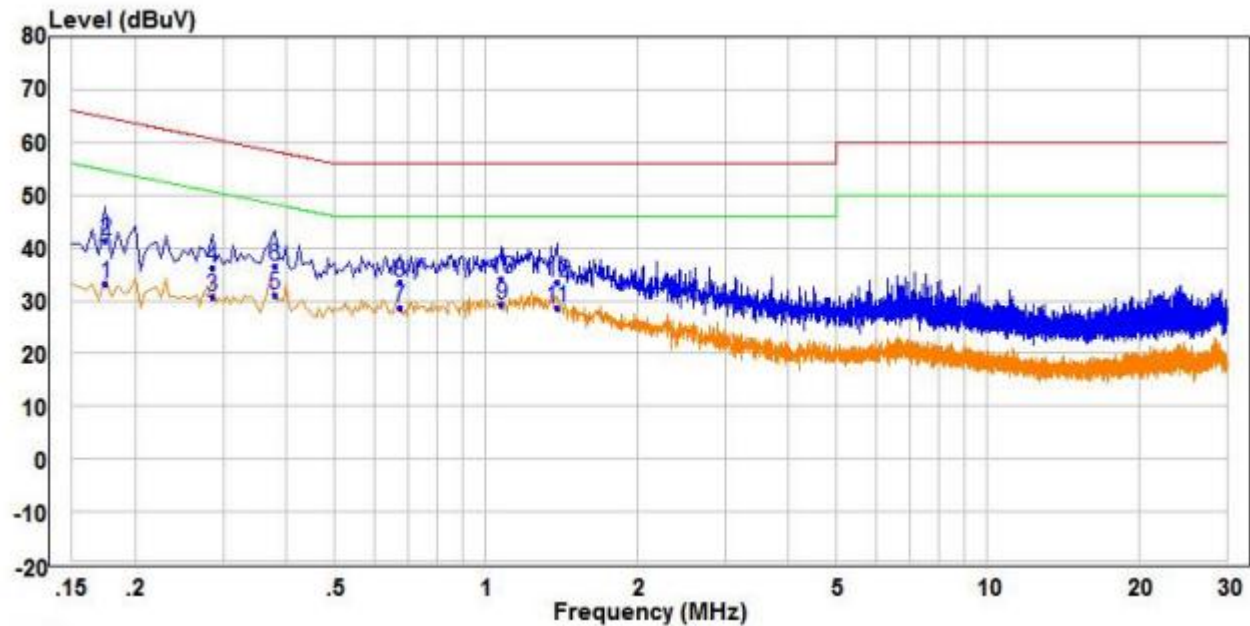
Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission were detected.

Live line:



	Freq	Read		Limit	Over		
	MHz	Level	Factor	Line	Limit	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.170	25.13	9.66	34.79	54.96	-20.17	Average
2	0.170	34.24	9.66	43.90	64.96	-21.06	QP
3	0.200	24.29	9.61	33.90	53.61	-19.71	Average
4	0.200	32.10	9.61	41.71	63.61	-21.90	QP
5 PP	0.375	28.65	9.58	38.23	48.39	-10.16	Average
6 QP	0.375	33.58	9.58	43.16	58.39	-15.23	QP
7	0.685	19.49	9.89	29.38	46.00	-16.62	Average
8	0.685	24.45	9.89	34.34	56.00	-21.66	QP
9	1.165	20.51	10.13	30.64	46.00	-15.36	Average
10	1.165	25.46	10.13	35.59	56.00	-20.41	QP
11	1.305	20.30	10.45	30.75	46.00	-15.25	Average
12	1.305	25.10	10.45	35.55	56.00	-20.45	QP

Neutral line:



	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.175	23.70	9.65	33.35	54.72	-21.37	Average	Neutral
2	0.175	31.86	9.65	41.51	64.72	-23.21	QP	Neutral
3	0.285	21.30	9.50	30.80	50.67	-19.87	Average	Neutral
4	0.285	26.83	9.50	36.33	60.67	-24.34	QP	Neutral
5	0.380	21.47	9.58	31.05	48.28	-17.23	Average	Neutral
6 QP	0.380	26.88	9.58	36.46	58.28	-21.82	QP	Neutral
7	0.675	18.85	9.88	28.73	46.00	-17.27	Average	Neutral
8	0.675	23.55	9.88	33.43	56.00	-22.57	QP	Neutral
9 PP	1.075	19.50	9.70	29.20	46.00	-16.80	Average	Neutral
10	1.075	24.45	9.70	34.15	56.00	-21.85	QP	Neutral
11	1.385	18.82	9.72	28.54	46.00	-17.46	Average	Neutral
12	1.385	23.87	9.72	33.59	56.00	-22.41	QP	Neutral

Notes:

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.
3. The 6Mbps of rate of 802.11A_5240 is the worst case, only the worst data recorded in the report.

Appendix I): Restricted bands around fundamental frequency (Radiated Emission)

Receiver Setup:	Frequency	Detector	RBW	VBW	Remark
	30MHz-1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak
	Above 1GHz	Peak	1MHz	3MHz	Peak
		Peak	1MHz	10Hz	Average
Test Procedure:	Below 1GHz test procedure as below: - The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. - The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. - The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. - For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable was turned from 0 degrees to 360 degrees to find the maximum reading. - The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. - Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel Above 1GHz test procedure as below: - Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber and change form table 0.8 metre to 1.5 metre(Above 18GHz the distance is 1 meter and table is 1.5 metre). - Test the EUT in the lowest channel , the Highest channel - The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is worse case. - Repeat above procedures until all frequencies measured was complete.				
Limit:	Frequency	Limit (dBμV/m @3cm)	Remark		
	30MHz-88MHz	40.0	Quasi-peak Value		
	88MHz-216MHz	43.5	Quasi-peak Value		
	216MHz-960MHz	46.0	Quasi-peak Value		
	960MHz-1GHz	54.0	Quasi-peak Value		
	Above 1GHz	54.0	Average Value		
		74.0	Peak Value		

Test plot as follows:

Ant1:

Worse case mode:		802.11a(6Mbps)		Test channel:		36	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5150.00	56.61	-3.63	52.98	74	-21.02	peak	H
5150.00	42.63	-3.63	39.00	54	-15.00	AVG	H
5150.00	56.91	-3.63	53.28	74	-20.72	peak	V
5150.00	43.79	-3.63	40.16	54	-13.84	AVG	V

Worse case mode:		802.11a(6Mbps)		Test channel:		48	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5350.00	58.62	-3.59	55.03	74	-18.97	peak	H
5350.00	41.76	-3.59	38.17	54	-15.83	AVG	H
5350.00	57.20	-3.59	53.61	74	-20.39	peak	V
5350.00	44.31	-3.59	40.72	54	-13.28	AVG	V

Worse case mode:		802.11a(6Mbps)		Test channel:		149	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5725	56.5	-3.44	53.06	74	-20.94	peak	H
5725	45.97	-3.44	42.53	54	-11.47	AV	H
5725	56.66	-3.44	53.22	74	-20.78	peak	V
5725	45.54	-3.44	42.1	54	-11.9	AV	V

Worse case mode:		802.11a(6Mbps)		Test channel:		165	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5850	58.52	-3.42	55.1	74	-18.9	peak	H
5850	47.99	-3.42	44.57	54	-9.43	AV	H
5850	52.36	-3.42	48.94	74	-25.06	peak	V
5850	43.24	-3.42	39.82	54	-14.18	AV	V

Worse case mode:		802.11n(HT20)(6.5Mbps)		Test channel:		36	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5150.00	57.58	-3.63	53.95	74	-20.05	peak	H
5150.00	42.07	-3.63	38.44	54	-15.56	AVG	H
5150.00	57.34	-3.63	53.71	74	-20.29	peak	V
5150.00	42.12	-3.63	38.49	54	-15.51	AVG	V

Worse case mode:		802.11n(HT20)(6.5Mbps)		Test channel:		48	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5350.00	55.84	-3.59	52.25	74	-21.75	peak	H
5350.00	43.90	-3.59	40.31	54	-13.69	AVG	H
5350.00	57.99	-3.59	54.40	74	-19.60	peak	V
5350.00	43.13	-3.59	39.54	54	-14.46	AVG	V

Worse case mode:		802.11n(HT20)(6.5Mbps)		Test channel:		149	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5725	57.16	-3.44	53.72	74	-20.28	peak	H
5725	46.63	-3.44	43.19	54	-10.81	AV	H
5725	50.58	-3.44	47.14	74	-26.86	peak	V
5725	41.46	-3.44	38.02	54	-15.98	AV	V

Worse case mode:		802.11n(HT20)(6.5Mbps)		Test channel:		165	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5850	58.52	-3.42	55.1	74	-18.9	peak	H
5850	47.99	-3.42	44.57	54	-9.43	AV	H
5850	51.94	-3.42	48.52	74	-25.48	peak	V
5850	42.82	-3.42	39.4	54	-14.6	AV	V

Worse case mode:		802.11n(HT40)(13.5Mbps)		Test channel:		38	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5150	58.51	-3.63	54.88	74	-19.12	peak	H
5150	41.73	-3.63	38.10	54	-15.90	AVG	H
5150	56.04	-3.63	52.41	74	-21.59	peak	V
5150	44.04	-3.63	40.41	54	-13.59	AVG	V

Worse case mode:		802.11n(HT40)(13.5Mbps)		Test channel:		46	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5350.00	57.27	-3.59	53.68	74	-20.32	peak	H
5350.00	44.11	-3.59	40.52	54	-13.48	AVG	H
5350.00	55.79	-3.59	52.20	74	-21.80	peak	V
5350.00	41.99	-3.59	38.40	54	-15.60	AVG	V

Worse case mode:		802.11n(HT40)(13.5Mbps)		Test channel:		151	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5725	57.41	-3.44	53.97	74	-20.03	peak	H
5725	46.88	-3.44	43.44	54	-10.56	AV	H
5725	50.83	-3.44	47.39	74	-26.61	peak	V
5725	41.71	-3.44	38.27	54	-15.73	AV	V

Worse case mode:		802.11n(HT40)(13.5Mbps)		Test channel:		159	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5850	56.81	-3.42	53.39	74	-20.61	peak	H
5850	46.28	-3.42	42.86	54	-11.14	AV	H
5850	50.23	-3.42	46.81	74	-27.19	peak	V
5850	41.11	-3.42	37.69	54	-16.31	AV	V

Worse case mode:		802.11ac(HT20)(6.5Mbps)		Test channel:		36	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5150.00	56.70	-3.63	53.07	74	-20.93	peak	H
5150.00	44.17	-3.63	40.54	54	-13.46	AVG	H
5150.00	58.57	-3.63	54.94	74	-19.06	peak	V
5150.00	44.64	-3.63	41.01	54	-12.99	AVG	V

Worse case mode:		802.11ac(HT20)(6.5Mbps)		Test channel:		48	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5350.00	56.20	-3.59	52.61	74	-21.39	peak	H
5350.00	43.43	-3.59	39.84	54	-14.16	AVG	H
5350.00	57.43	-3.59	53.84	74	-20.16	peak	V
5350.00	44.46	-3.59	40.87	54	-13.13	AVG	V

Worse case mode:		802.11ac(HT20)(6.5Mbps)		Test channel:		149	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5725	56.43	-3.44	52.99	74	-21.01	peak	H
5725	45.9	-3.44	42.46	54	-11.54	AV	H
5725	49.85	-3.44	46.41	74	-27.59	peak	V
5725	40.73	-3.44	37.29	54	-16.71	AV	V

Worse case mode:		802.11ac(HT20)(6.5Mbps)		Test channel:		165	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5850	55.38	-3.42	51.96	74	-22.04	peak	H
5850	44.85	-3.42	41.43	54	-12.57	AV	H
5850	48.8	-3.42	45.38	74	-28.62	peak	V
5850	39.68	-3.42	36.26	54	-17.74	AV	V

Worse case mode:		802.11ac(VHT40)(13.5Mbps)		Test channel:		38	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5150.00	56.00	-3.63	52.37	74	-21.63	peak	H
5150.00	44.50	-3.63	40.87	54	-13.13	AVG	H
5150.00	56.97	-3.63	53.34	74	-20.66	peak	V
5150.00	43.52	-3.63	39.89	54	-14.11	AVG	V

Worse case mode:		802.11ac(VHT40)(13.5Mbps)		Test channel:		46	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5350.00	58.65	-3.59	55.06	74	-18.94	peak	H
5350.00	44.57	-3.59	40.98	54	-13.02	AVG	H
5350.00	56.40	-3.59	52.81	74	-21.19	peak	V
5350.00	42.38	-3.59	38.79	54	-15.21	AVG	V

Worse case mode:		802.11ac(VHT40)(13.5Mbps)		Test channel:		151	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5725	58.24	-3.44	54.8	74	-19.2	peak	H
5725	47.71	-3.44	44.27	54	-9.73	AV	H
5725	51.66	-3.44	48.22	74	-25.78	peak	V
5725	42.54	-3.44	39.1	54	-14.9	AV	V

Worse case mode:		802.11ac(VHT40)(13.5Mbps)		Test channel:		159	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5850	56.49	-3.42	53.07	74	-20.93	AV	H
5850	45.96	-3.42	42.54	54	-11.46		H
5850	49.91	-3.42	46.49	74	-27.51	peak	V
5850	40.79	-3.42	37.37	54	-16.63	AV	V

Worse case mode:		802.11ac(VHT80)(29.3Mbps)		Test channel:		42	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5150.00	58.63	-3.63	55.00	74	-19.00	peak	H
5150.00	43.71	-3.63	40.08	54	-13.92	AVG	H
5150.00	56.98	-3.63	53.35	74	-20.65	peak	V
5150.00	41.82	-3.63	38.19	54	-15.81	AVG	V
5350.00	56.44	-3.59	52.85	74	-21.15	peak	H
5350.00	42.82	-3.59	39.23	54	-14.77	AVG	H
5350.00	57.55	-3.59	53.96	74	-20.04	peak	V
5350.00	44.16	-3.59	40.57	54	-13.43	AVG	V

Worse case mode:		802.11ac(VHT80)(29.3Mbps)		Test channel:		155	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5725	58.69	-3.44	55.25	74	-18.75	peak	H
5725	48.16	-3.44	44.72	54	-9.28	AV	H
5725	52.11	-3.44	48.67	74	-25.33	peak	V
5725	42.99	-3.44	39.55	54	-14.45	AV	V
5850	57.44	-3.42	54.02	74	-19.98	peak	H
5850	46.91	-3.42	43.49	54	-10.51	AV	H
5850	50.86	-3.42	47.44	74	-26.56	peak	V
5850	41.74	-3.42	38.32	54	-15.68	AV	V

Worse case mode:		802.11ax(HE20)		Test channel:		36	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5150.00	56.70	-3.63	53.07	74	-20.93	peak	H
5150.00	44.17	-3.63	40.54	54	-13.46	AVG	H
5150.00	58.57	-3.63	54.94	74	-19.06	peak	V
5150.00	44.64	-3.63	41.01	54	-12.99	AVG	V

Worse case mode:		802.11ax(HE20)		Test channel:		48	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5350.00	56.20	-3.59	52.61	74	-21.39	peak	H
5350.00	43.43	-3.59	39.84	54	-14.16	AVG	H
5350.00	57.43	-3.59	53.84	74	-20.16	peak	V
5350.00	44.46	-3.59	40.87	54	-13.13	AVG	V

Worse case mode:		802.11ax(HE20)		Test channel:		149	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5725	56.43	-3.44	52.99	74	-21.01	peak	H
5725	45.9	-3.44	42.46	54	-11.54	AV	H
5725	49.85	-3.44	46.41	74	-27.59	peak	V
5725	40.73	-3.44	37.29	54	-16.71	AV	V

Worse case mode:		802.11ax(HE20)		Test channel:		165	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5850	55.38	-3.42	51.96	74	-22.04	peak	H
5850	44.85	-3.42	41.43	54	-12.57	AV	H
5850	48.8	-3.42	45.38	74	-28.62	peak	V
5850	39.68	-3.42	36.26	54	-17.74	AV	V

Worse case mode:		802.11ax(HE40)		Test channel:		38	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5150.00	56.00	-3.63	52.37	74	-21.63	peak	H
5150.00	44.50	-3.63	40.87	54	-13.13	AVG	H
5150.00	56.97	-3.63	53.34	74	-20.66	peak	V
5150.00	43.52	-3.63	39.89	54	-14.11	AVG	V

Worse case mode:		802.11ax(HE40)		Test channel:		46	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5350.00	58.65	-3.59	55.06	74	-18.94	peak	H
5350.00	44.57	-3.59	40.98	54	-13.02	AVG	H
5350.00	56.40	-3.59	52.81	74	-21.19	peak	V
5350.00	42.38	-3.59	38.79	54	-15.21	AVG	V

Worse case mode:		802.11ax(HE40)		Test channel:		151	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5725	58.24	-3.44	54.8	74	-19.2	peak	H
5725	47.71	-3.44	44.27	54	-9.73	AV	H
5725	51.66	-3.44	48.22	74	-25.78	peak	V
5725	42.54	-3.44	39.1	54	-14.9	AV	V

Worse case mode:		802.11ax(HE40)		Test channel:		159	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5850	56.49	-3.42	53.07	74	-20.93	AV	H
5850	45.96	-3.42	42.54	54	-11.46		H
5850	49.91	-3.42	46.49	74	-27.51	peak	V
5850	40.79	-3.42	37.37	54	-16.63	AV	V

Worse case mode:		802.11ax(HE80)		Test channel:		42	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5150.00	58.63	-3.63	55.00	74	-19.00	peak	H
5150.00	43.71	-3.63	40.08	54	-13.92	AVG	H
5150.00	56.98	-3.63	53.35	74	-20.65	peak	V
5150.00	41.82	-3.63	38.19	54	-15.81	AVG	V
5350.00	56.44	-3.59	52.85	74	-21.15	peak	H
5350.00	42.82	-3.59	39.23	54	-14.77	AVG	H
5350.00	57.55	-3.59	53.96	74	-20.04	peak	V
5350.00	44.16	-3.59	40.57	54	-13.43	AVG	V

Worse case mode:		802.11ax(HE80)		Test channel:		155	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5725	58.69	-3.44	55.25	74	-18.75	peak	H
5725	48.16	-3.44	44.72	54	-9.28	AV	H
5725	52.11	-3.44	48.67	74	-25.33	peak	V
5725	42.99	-3.44	39.55	54	-14.45	AV	V
5850	57.44	-3.42	54.02	74	-19.98	peak	H
5850	46.91	-3.42	43.49	54	-10.51	AV	H
5850	50.86	-3.42	47.44	74	-26.56	peak	V
5850	41.74	-3.42	38.32	54	-15.68	AV	V

Ant2:

Worse case mode:		802.11a(6Mbps)		Test channel:		36	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5150.00	56.61	-3.63	52.98	74	-21.02	peak	H
5150.00	42.63	-3.63	39.00	54	-15.00	AVG	H
5150.00	56.91	-3.63	53.28	74	-20.72	peak	V
5150.00	43.79	-3.63	40.16	54	-13.84	AVG	V

Worse case mode:		802.11a(6Mbps)		Test channel:		48	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5350.00	58.62	-3.59	55.03	74	-18.97	peak	H
5350.00	41.76	-3.59	38.17	54	-15.83	AVG	H
5350.00	57.20	-3.59	53.61	74	-20.39	peak	V
5350.00	44.31	-3.59	40.72	54	-13.28	AVG	V

Worse case mode:		802.11a(6Mbps)		Test channel:		149	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5725	56.5	-3.44	53.06	74	-20.94	peak	H
5725	45.97	-3.44	42.53	54	-11.47	AV	H
5725	56.66	-3.44	53.22	74	-20.78	peak	V
5725	45.54	-3.44	42.1	54	-11.9	AV	V

Worse case mode:		802.11a(6Mbps)		Test channel:		165	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5850	58.52	-3.42	55.1	74	-18.9	peak	H
5850	47.99	-3.42	44.57	54	-9.43	AV	H
5850	52.36	-3.42	48.94	74	-25.06	peak	V
5850	43.24	-3.42	39.82	54	-14.18	AV	V

Worse case mode:		802.11n(HT20)(6.5Mbps)		Test channel:		36	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5150.00	57.58	-3.63	53.95	74	-20.05	peak	H
5150.00	42.07	-3.63	38.44	54	-15.56	AVG	H
5150.00	57.34	-3.63	53.71	74	-20.29	peak	V
5150.00	42.12	-3.63	38.49	54	-15.51	AVG	V

Worse case mode:		802.11n(HT20)(6.5Mbps)		Test channel:		48	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5350.00	55.84	-3.59	52.25	74	-21.75	peak	H
5350.00	43.90	-3.59	40.31	54	-13.69	AVG	H
5350.00	57.99	-3.59	54.40	74	-19.60	peak	V
5350.00	43.13	-3.59	39.54	54	-14.46	AVG	V

Worse case mode:		802.11n(HT20)(6.5Mbps)		Test channel:		149	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5725	57.16	-3.44	53.72	74	-20.28	peak	H
5725	46.63	-3.44	43.19	54	-10.81	AV	H
5725	50.58	-3.44	47.14	74	-26.86	peak	V
5725	41.46	-3.44	38.02	54	-15.98	AV	V

Worse case mode:		802.11n(HT20)(6.5Mbps)		Test channel:		165	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5850	58.52	-3.42	55.1	74	-18.9	peak	H
5850	47.99	-3.42	44.57	54	-9.43	AV	H
5850	51.94	-3.42	48.52	74	-25.48	peak	V
5850	42.82	-3.42	39.4	54	-14.6	AV	V

Worse case mode:		802.11n(HT40)(13.5Mbps)		Test channel:		38	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5150	58.51	-3.63	54.88	74	-19.12	peak	H
5150	41.73	-3.63	38.10	54	-15.90	AVG	H
5150	56.04	-3.63	52.41	74	-21.59	peak	V
5150	44.04	-3.63	40.41	54	-13.59	AVG	V

Worse case mode:		802.11n(HT40)(13.5Mbps)		Test channel:		46	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5350.00	57.27	-3.59	53.68	74	-20.32	peak	H
5350.00	44.11	-3.59	40.52	54	-13.48	AVG	H
5350.00	55.79	-3.59	52.20	74	-21.80	peak	V
5350.00	41.99	-3.59	38.40	54	-15.60	AVG	V

Worse case mode:		802.11n(HT40)(13.5Mbps)		Test channel:		151	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5725	57.41	-3.44	53.97	74	-20.03	peak	H
5725	46.88	-3.44	43.44	54	-10.56	AV	H
5725	50.83	-3.44	47.39	74	-26.61	peak	V
5725	41.71	-3.44	38.27	54	-15.73	AV	V

Worse case mode:		802.11n(HT40)(13.5Mbps)		Test channel:		159	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5850	56.81	-3.42	53.39	74	-20.61	peak	H
5850	46.28	-3.42	42.86	54	-11.14	AV	H
5850	50.23	-3.42	46.81	74	-27.19	peak	V
5850	41.11	-3.42	37.69	54	-16.31	AV	V

Worse case mode:		802.11ac(HT20)(6.5Mbps)		Test channel:		36	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5150.00	56.70	-3.63	53.07	74	-20.93	peak	H
5150.00	44.17	-3.63	40.54	54	-13.46	AVG	H
5150.00	58.57	-3.63	54.94	74	-19.06	peak	V
5150.00	44.64	-3.63	41.01	54	-12.99	AVG	V

Worse case mode:		802.11ac(HT20)(6.5Mbps)		Test channel:		48	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5350.00	56.20	-3.59	52.61	74	-21.39	peak	H
5350.00	43.43	-3.59	39.84	54	-14.16	AVG	H
5350.00	57.43	-3.59	53.84	74	-20.16	peak	V
5350.00	44.46	-3.59	40.87	54	-13.13	AVG	V

Worse case mode:		802.11ac(HT20)(6.5Mbps)		Test channel:		149	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5725	56.43	-3.44	52.99	74	-21.01	peak	H
5725	45.9	-3.44	42.46	54	-11.54	AV	H
5725	49.85	-3.44	46.41	74	-27.59	peak	V
5725	40.73	-3.44	37.29	54	-16.71	AV	V

Worse case mode:		802.11ac(HT20)(6.5Mbps)		Test channel:		165	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5850	55.38	-3.42	51.96	74	-22.04	peak	H
5850	44.85	-3.42	41.43	54	-12.57	AV	H
5850	48.8	-3.42	45.38	74	-28.62	peak	V
5850	39.68	-3.42	36.26	54	-17.74	AV	V

Worse case mode:		802.11ac(VHT40)(13.5Mbps)		Test channel:		38	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5150.00	56.00	-3.63	52.37	74	-21.63	peak	H
5150.00	44.50	-3.63	40.87	54	-13.13	AVG	H
5150.00	56.97	-3.63	53.34	74	-20.66	peak	V
5150.00	43.52	-3.63	39.89	54	-14.11	AVG	V

Worse case mode:		802.11ac(VHT40)(13.5Mbps)		Test channel:		46	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5350.00	58.65	-3.59	55.06	74	-18.94	peak	H
5350.00	44.57	-3.59	40.98	54	-13.02	AVG	H
5350.00	56.40	-3.59	52.81	74	-21.19	peak	V
5350.00	42.38	-3.59	38.79	54	-15.21	AVG	V

Worse case mode:		802.11ac(VHT40)(13.5Mbps)		Test channel:		151	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5725	58.24	-3.44	54.8	74	-19.2	peak	H
5725	47.71	-3.44	44.27	54	-9.73	AV	H
5725	51.66	-3.44	48.22	74	-25.78	peak	V
5725	42.54	-3.44	39.1	54	-14.9	AV	V

Worse case mode:		802.11ac(VHT40)(13.5Mbps)		Test channel:		159	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5850	56.49	-3.42	53.07	74	-20.93	AV	H
5850	45.96	-3.42	42.54	54	-11.46		H
5850	49.91	-3.42	46.49	74	-27.51	peak	V
5850	40.79	-3.42	37.37	54	-16.63	AV	V

Worse case mode:		802.11ac(VHT80)(29.3Mbps)		Test channel:		42	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5150.00	58.63	-3.63	55.00	74	-19.00	peak	H
5150.00	43.71	-3.63	40.08	54	-13.92	AVG	H
5150.00	56.98	-3.63	53.35	74	-20.65	peak	V
5150.00	41.82	-3.63	38.19	54	-15.81	AVG	V
5350.00	56.44	-3.59	52.85	74	-21.15	peak	H
5350.00	42.82	-3.59	39.23	54	-14.77	AVG	H
5350.00	57.55	-3.59	53.96	74	-20.04	peak	V
5350.00	44.16	-3.59	40.57	54	-13.43	AVG	V

Worse case mode:		802.11ac(VHT80)(29.3Mbps)		Test channel:		155	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5725	58.69	-3.44	55.25	74	-18.75	peak	H
5725	48.16	-3.44	44.72	54	-9.28	AV	H
5725	52.11	-3.44	48.67	74	-25.33	peak	V
5725	42.99	-3.44	39.55	54	-14.45	AV	V
5850	57.44	-3.42	54.02	74	-19.98	peak	H
5850	46.91	-3.42	43.49	54	-10.51	AV	H
5850	50.86	-3.42	47.44	74	-26.56	peak	V
5850	41.74	-3.42	38.32	54	-15.68	AV	V

Worse case mode:		802.11ax(HE20)		Test channel:		36	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5150.00	56.70	-3.63	53.07	74	-20.93	peak	H
5150.00	44.17	-3.63	40.54	54	-13.46	AVG	H
5150.00	58.57	-3.63	54.94	74	-19.06	peak	V
5150.00	44.64	-3.63	41.01	54	-12.99	AVG	V

Worse case mode:		802.11ax(HE20)		Test channel:		48	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5350.00	56.20	-3.59	52.61	74	-21.39	peak	H
5350.00	43.43	-3.59	39.84	54	-14.16	AVG	H
5350.00	57.43	-3.59	53.84	74	-20.16	peak	V
5350.00	44.46	-3.59	40.87	54	-13.13	AVG	V

Worse case mode:		802.11ax(HE20)		Test channel:		149	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5725	56.43	-3.44	52.99	74	-21.01	peak	H
5725	45.9	-3.44	42.46	54	-11.54	AV	H
5725	49.85	-3.44	46.41	74	-27.59	peak	V
5725	40.73	-3.44	37.29	54	-16.71	AV	V

Worse case mode:		802.11ax(HE20)		Test channel:		165	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5850	55.38	-3.42	51.96	74	-22.04	peak	H
5850	44.85	-3.42	41.43	54	-12.57	AV	H
5850	48.8	-3.42	45.38	74	-28.62	peak	V
5850	39.68	-3.42	36.26	54	-17.74	AV	V

Worse case mode:		802.11ax(HE40)		Test channel:		38	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5150.00	56.00	-3.63	52.37	74	-21.63	peak	H
5150.00	44.50	-3.63	40.87	54	-13.13	AVG	H
5150.00	56.97	-3.63	53.34	74	-20.66	peak	V
5150.00	43.52	-3.63	39.89	54	-14.11	AVG	V

Worse case mode:		802.11ax(HE40)		Test channel:		46	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5350.00	58.65	-3.59	55.06	74	-18.94	peak	H
5350.00	44.57	-3.59	40.98	54	-13.02	AVG	H
5350.00	56.40	-3.59	52.81	74	-21.19	peak	V
5350.00	42.38	-3.59	38.79	54	-15.21	AVG	V

Worse case mode:		802.11ax(HE40)		Test channel:		151	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5725	58.24	-3.44	54.8	74	-19.2	peak	H
5725	47.71	-3.44	44.27	54	-9.73	AV	H
5725	51.66	-3.44	48.22	74	-25.78	peak	V
5725	42.54	-3.44	39.1	54	-14.9	AV	V

Worse case mode:		802.11ax(HE40)		Test channel:		159	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5850	56.49	-3.42	53.07	74	-20.93	AV	H
5850	45.96	-3.42	42.54	54	-11.46		H
5850	49.91	-3.42	46.49	74	-27.51	peak	V
5850	40.79	-3.42	37.37	54	-16.63	AV	V

Worse case mode:		802.11ax(HE80)		Test channel:		42	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5150.00	58.63	-3.63	55.00	74	-19.00	peak	H
5150.00	43.71	-3.63	40.08	54	-13.92	AVG	H
5150.00	56.98	-3.63	53.35	74	-20.65	peak	V
5150.00	41.82	-3.63	38.19	54	-15.81	AVG	V
5350.00	56.44	-3.59	52.85	74	-21.15	peak	H
5350.00	42.82	-3.59	39.23	54	-14.77	AVG	H
5350.00	57.55	-3.59	53.96	74	-20.04	peak	V
5350.00	44.16	-3.59	40.57	54	-13.43	AVG	V

Worse case mode:		802.11ax(HE80)		Test channel:		155	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5725	58.69	-3.44	55.25	74	-18.75	peak	H
5725	48.16	-3.44	44.72	54	-9.28	AV	H
5725	52.11	-3.44	48.67	74	-25.33	peak	V
5725	42.99	-3.44	39.55	54	-14.45	AV	V
5850	57.44	-3.42	54.02	74	-19.98	peak	H
5850	46.91	-3.42	43.49	54	-10.51	AV	H
5850	50.86	-3.42	47.44	74	-26.56	peak	V
5850	41.74	-3.42	38.32	54	-15.68	AV	V

Note:

1) Through Pre-scan transmitting mode with all kind of modulation and data rate, Only the worst case is recorded in the report.

2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor - Antenna Factor - Cable Factor

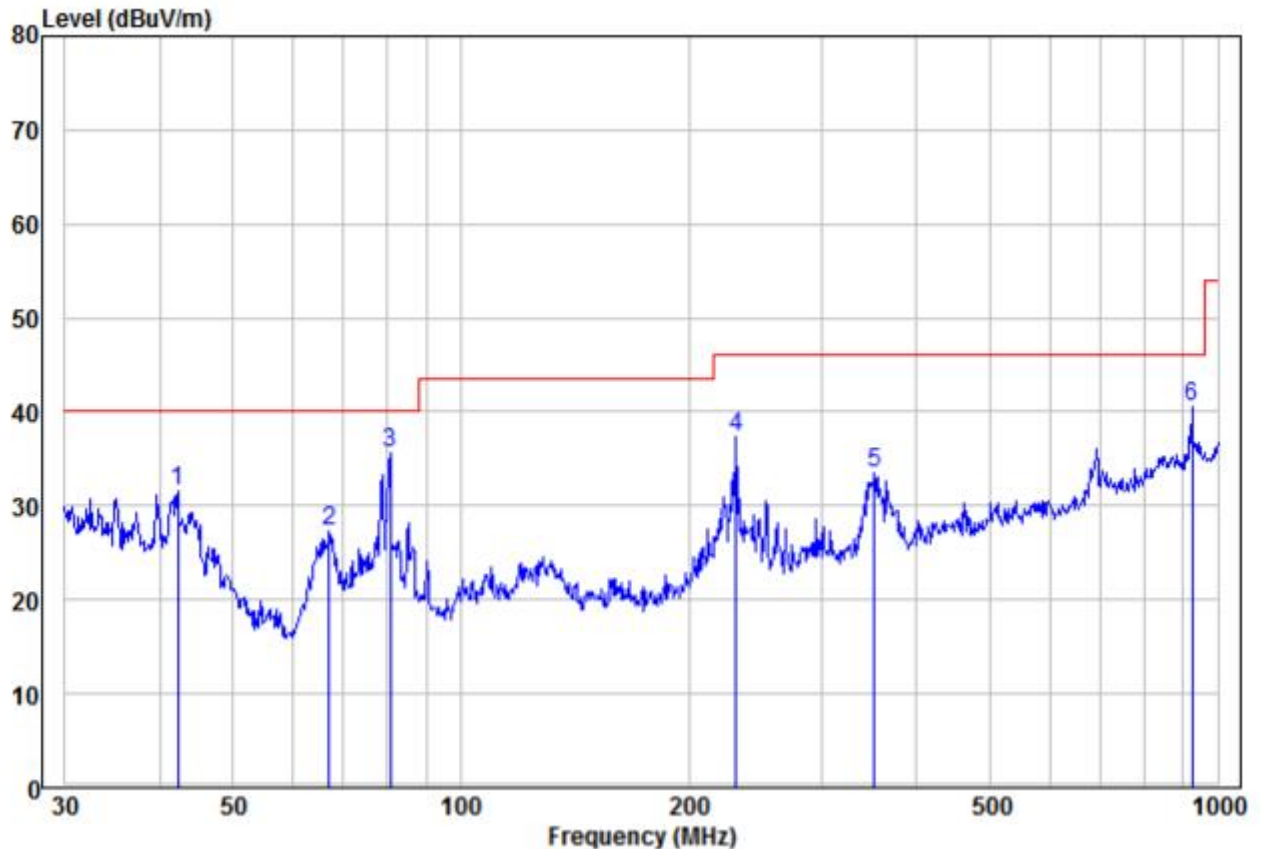
Appendix J): Radiated Spurious Emissions

Receiver Setup:	Frequency	Detector	RBW	VBW	Remark
	0.009MHz-0.090MHz	Peak	10kHz	30kHz	Peak
	0.009MHz-0.090MHz	Average	10kHz	30kHz	Average
	0.090MHz-0.110MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
	0.110MHz-0.490MHz	Peak	10kHz	30kHz	Peak
	0.110MHz-0.490MHz	Average	10kHz	30kHz	Average
	0.490MHz -30MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
	30MHz-1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak
	Above 1GHz	Peak	1MHz	3MHz	Peak
		Peak	1MHz	10Hz	Average
Test Procedure:					
Below 1GHz test procedure as below: a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation. b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading. e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet. Above 1GHz test procedure as below: g. Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber and change form table 0.8 metre to 1.5 metre(Above 18GHz the distance is 1 meter and table is 1.5 metre) h. Test the EUT in the lowest channel ,the middle channel ,the Highest channel i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is worse case. j. Repeat above procedures until all frequencies measured was complete.					
Limit:	Frequency	Field strength (microvolt/meter)	Limit (dBµV/cm)	Remark	Measurement distance (cm)
	0.009MHz-0.490MHz	2400/F(kHz)	-	-	300
	0.490MHz-1.705MHz	24000/F(kHz)	-	-	30
	1.705MHz-30MHz	30	-	-	30
	30MHz-88MHz	100	40.0	Quasi-peak	3
	88MHz-216MHz	150	43.5	Quasi-peak	3
	216MHz-960MHz	200	46.0	Quasi-peak	3
	960MHz-1GHz	500	54.0	Quasi-peak	3
	Above 1GHz	500	54.0	Average	3
	Note: 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.				
Test result: PASS					

Test Data:

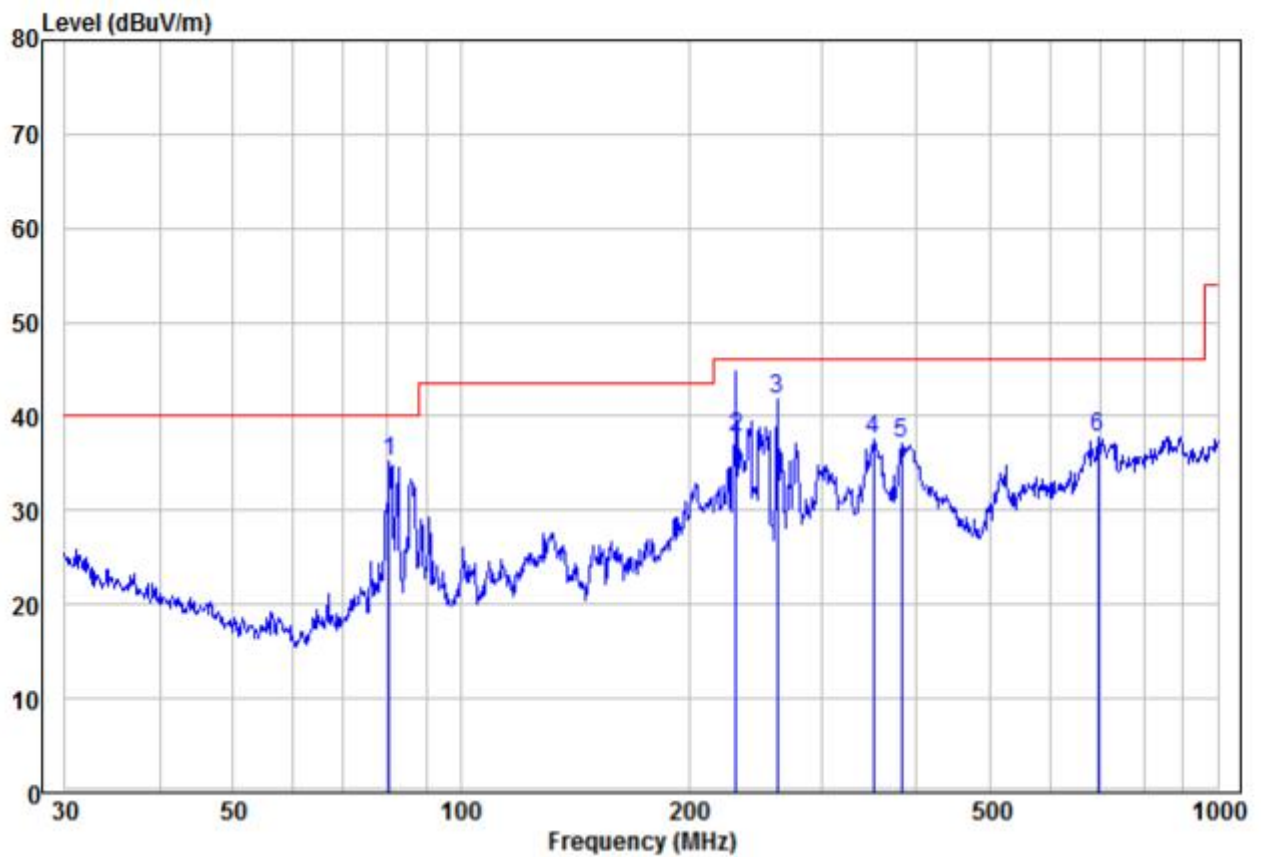
Radiated Emission below 1GHz

30MHz~1GHz		
Test mode:	Transmitting (802.11a 36CH)	Vertical



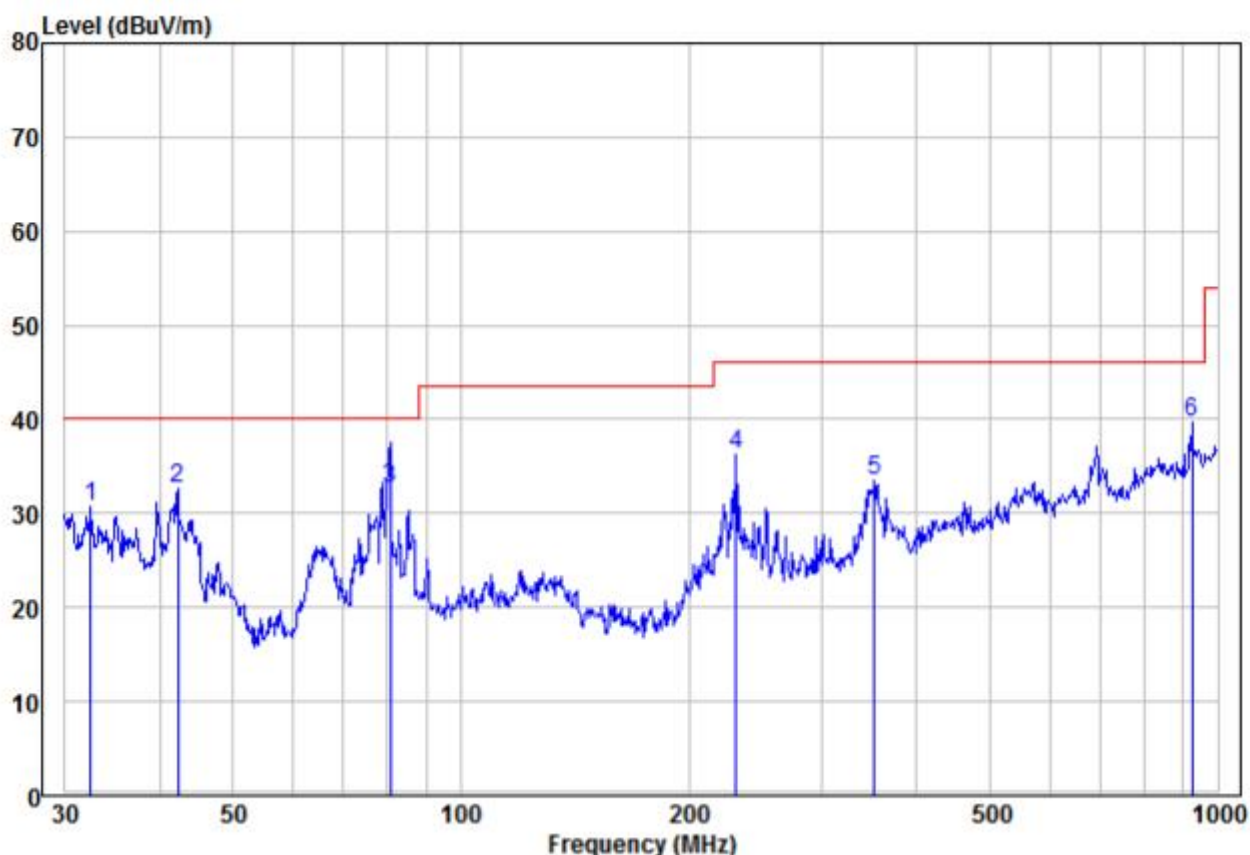
	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1	42.30	19.17	12.39	31.56	40.00	-8.44	Peak	VERTICAL
2	66.97	19.17	8.07	27.24	40.00	-12.76	Peak	VERTICAL
3 pp	80.64	24.92	10.73	35.65	40.00	-4.35	Peak	VERTICAL
4	230.91	25.26	12.07	37.33	46.00	-8.67	Peak	VERTICAL
5	351.71	16.81	16.65	33.46	46.00	-12.54	Peak	VERTICAL
6	925.76	14.77	25.82	40.59	46.00	-5.41	Peak	VERTICAL

Test mode:	Transmitting (802.11a 36CH)	Horizontal
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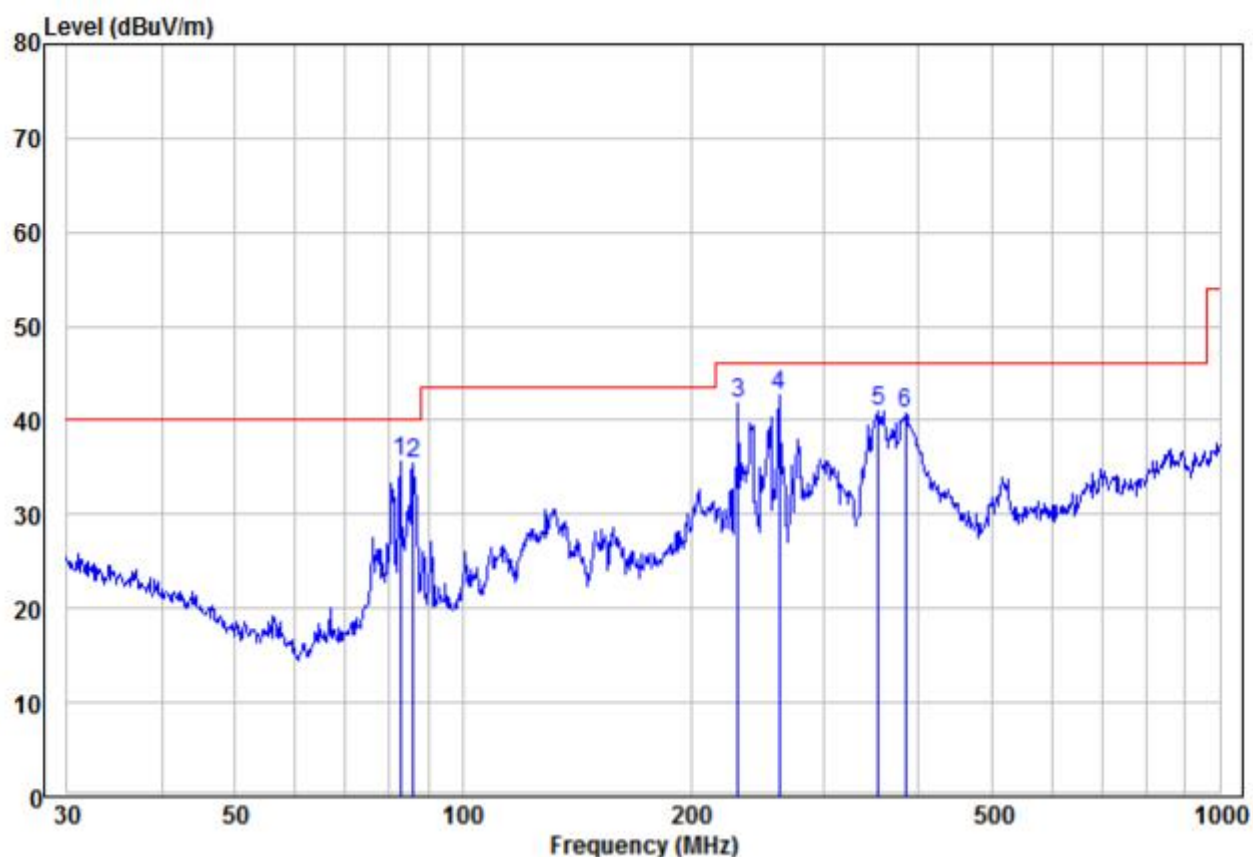
	Freq	Read Level	Factor	Level	Limit	Over	Remark	Pol/Phase
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1	80.36	24.53	10.72	35.25	40.00	-4.75	Peak	HORIZONTAL
2	qp 230.91	25.68	12.07	37.75	46.00	-8.25	QP	HORIZONTAL
3	pp 261.98	27.70	14.03	41.73	46.00	-4.27	Peak	HORIZONTAL
4	350.48	20.95	16.62	37.57	46.00	-8.43	Peak	HORIZONTAL
5	382.59	20.64	16.43	37.07	46.00	-8.93	Peak	HORIZONTAL
6	694.42	14.51	23.30	37.81	46.00	-8.19	Peak	HORIZONTAL

30MHz~1GHz		
Test mode:	Transmitting (802.11a 149CH)	Vertical



	Read Freq	Level	Factor	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1	32.41	15.12	15.57	30.69	40.00	-9.31	Peak	VERTICAL
2	42.30	20.17	12.39	32.56	40.00	-7.44	Peak	VERTICAL
3 qp	80.64	21.92	10.73	32.65	40.00	-7.35	QP	VERTICAL
4	230.91	24.26	12.07	36.33	46.00	-9.67	Peak	VERTICAL
5	351.71	16.81	16.65	33.46	46.00	-12.54	Peak	VERTICAL
6 pp	925.76	13.77	25.82	39.59	46.00	-6.41	Peak	VERTICAL

Test mode:	Transmitting (802.11a 149CH)	Horizontal
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	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1	82.65	24.83	10.78	35.61	40.00	-4.39	Peak	HORIZONTAL
2	85.90	24.47	10.88	35.35	40.00	-4.65	Peak	HORIZONTAL
3	230.91	29.68	12.07	41.75	46.00	-4.25	Peak	HORIZONTAL
4 pp	261.98	28.70	14.03	42.73	46.00	-3.27	Peak	HORIZONTAL
5	354.18	24.28	16.72	41.00	46.00	-5.00	Peak	HORIZONTAL
6	383.93	24.19	16.46	40.65	46.00	-5.35	Peak	HORIZONTAL

Transmitter Emission above 1GHz

Test mode:		802.11a(6Mbps)		Test channel:		36 CH	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
10360	51.089	2.26	53.349	74	-20.651	peak	H
10360	42.429	2.26	44.689	54	-9.311	AVG	H
15540	53.63	3.75	57.38	74	-16.62	peak	H
15540	41.74	3.75	45.49	54	-8.51	AVG	H
10360	49.619	2.26	51.879	74	-22.121	peak	V
10360	41.799	2.26	44.059	54	-9.941	AVG	V
15540	51.839	3.75	55.589	74	-18.411	peak	V
15540	42.509	3.75	46.259	54	-7.741	AVG	V

Test mode:		802.11a(6Mbps)		Test channel:		48 CH	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
10480	50.24	2.31	52.55	74	-21.45	peak	H
10480	30.08	2.31	32.39	54	-21.61	AVG	H
15720	49.92	3.79	53.71	74	-20.29	peak	H
15720	29.58	3.79	33.37	54	-20.63	AVG	H
10480	48.97	2.31	51.28	74	-22.72	peak	V
10480	30.81	2.31	33.12	54	-20.88	AVG	V
15720	50.49	3.79	54.28	74	-19.72	peak	V
15720	30.51	3.79	34.30	54	-19.70	AVG	V

Test mode: 802.11a(6Mbps)				Test channel:		149	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
11490	47.36	2.54	49.9	68.2	-18.3	peak	H
11490	38.66	2.54	41.2	54	-12.8	AVG	H
17235	49.49	3.94	53.43	68.2	-14.77	peak	H
17235	39.33	3.94	43.27	54	-10.73	AVG	H
11490	49.29	2.54	51.83	68.2	-16.37	peak	V
11490	41.48	2.54	44.02	54	-9.98	AVG	V
17235	48.11	3.94	52.05	68.2	-16.15	peak	V
17235	38.78	3.94	42.72	54	-11.28	AVG	V

Test mode: 802.11a(6Mbps)				Test channel:		165	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
11650	49.15	2.58	51.73	68.2	-16.47	peak	H
11650	39.66	2.58	42.24	54	-11.76	AVG	H
17475	52.02	4.02	56.04	68.2	-12.16	peak	H
17475	40.41	4.02	44.43	54	-9.57	AVG	H
11650	49.59	2.58	52.17	68.2	-16.03	peak	V
11650	40.88	2.58	43.46	54	-10.54	AVG	V
17475	49.28	4.02	53.3	68.2	-14.9	peak	V
17475	39.63	4.02	43.65	54	-10.35	AVG	V

Remark:

- 1) The 802.11a 6Mbps of rate is the worst case, only the worst data recorded in the report.
- 2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
Final Test Level = Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor
- 3) Scan from 9kHz to 40GHz, The disturbance above 18GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

8 Photographs - EUT Test Setup

8.1 Radiated Spurious Emission

9kHz~30MHz:



30MHz~1GHz:



Above 1GHz:



8.2 Conducted Emission



9 Photographs - EUT Constructional Details

Refer to PHOTOGRAPHS OF EUT for CQASZ20240400712E-01.

*** END OF REPORT ***