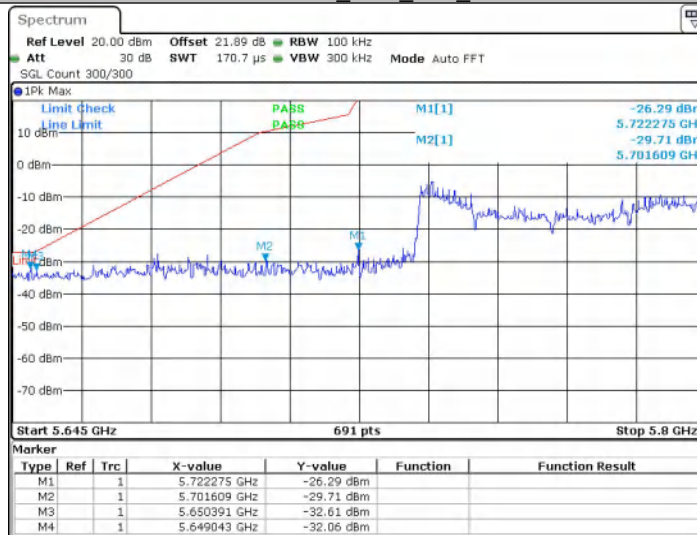


11AX40SISO_Ant1_High_5795



Date: 2 JUL 2025 20:17:44

11AX80SISO_Ant1_Low_5775



Date: 2 JUL 2025 20:33:38

11AX80SISO_Ant1_High_5775



Date: 2 JUL 2025 20:33:52

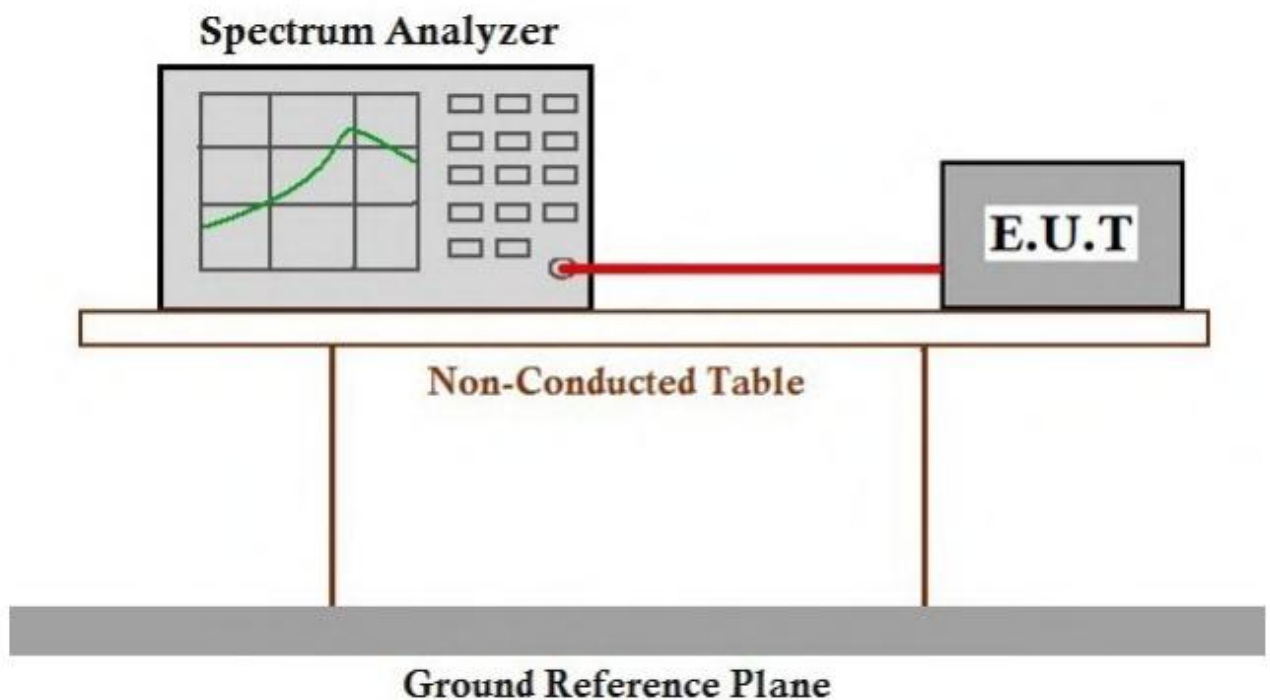
Appendix E): Frequency Stability

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

Test Method: ANSI C63.10 (2020) 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

Frequency Stability Versus Temp.			
Operating Frequency: 5260 MHz			
Temp	Voltage	Measured Frequency	Limit
(°C)		(MHz)	(MHz)
50	VN	5240.03	5150-5250
40		5240.02	5150-5250
30		5240.02	5150-5250
20		5240.04	5150-5250
10		5240.05	5150-5250
0		5240.02	5150-5250
-10		5240.05	5150-5250
-20		5240.04	5150-5250

Frequency Stability Versus Temp.			
Operating Frequency: 5290 MHz			
Temp.	Voltage	Measured Frequency	Limit
		(MHz)	(MHz)
TN	VL	5210.01	5150-5250
	VN	5210.02	5150-5250
	VH	5210.02	5150-5250

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

Appendix F): Antenna Requirement

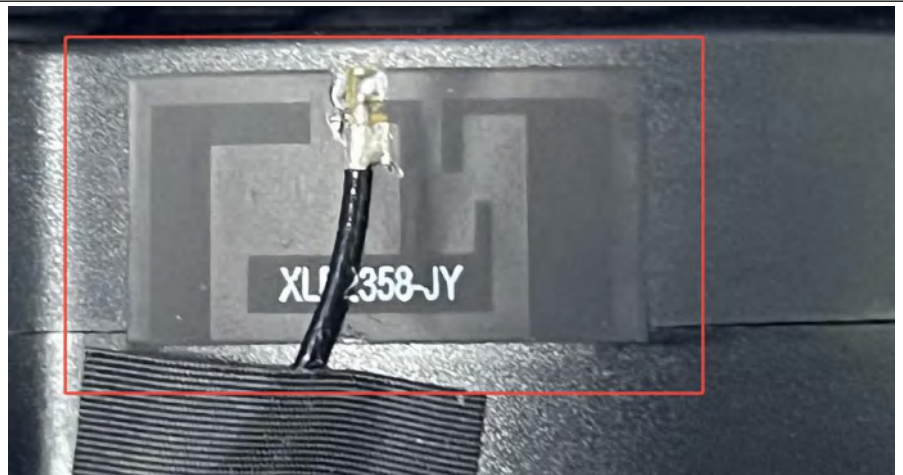
15.203 requirement:

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 FPC antenna.

The connection/connection type between the antenna to the EUT's antenna port is: unique coupling.
This is either permanently attachment or a unique coupling that satisfies the requirement.

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 $50\Omega/50\mu\text{H} + 5\Omega$ 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 border="1"> <thead> <tr> <th rowspan="2">Frequency range (MHz)</th><th colspan="2">Limit (dBμV)</th></tr> <tr> <th>Quasi-peak</th><th>Average</th></tr> </thead> <tbody> <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> </tbody> </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 (dB μ V)		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 (dB μ V)															
	Quasi-peak	Average														
0.15-0.5	66 to 56*	56 to 46*														
0.5-5	56	46														
5-30	60	50														

Measurement Data

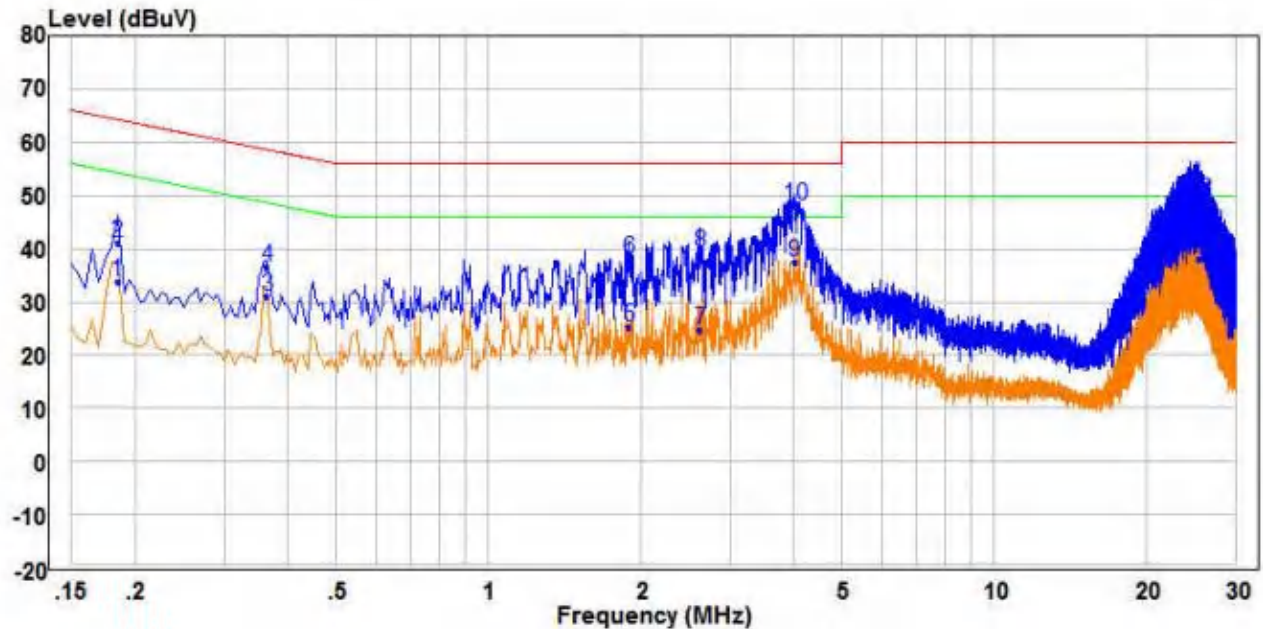
An initial pre-scan was performed on the live and neutral lines with peak detector.

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

MSS-Z6320WR190-120C0-E

Measurement Data

Live line:

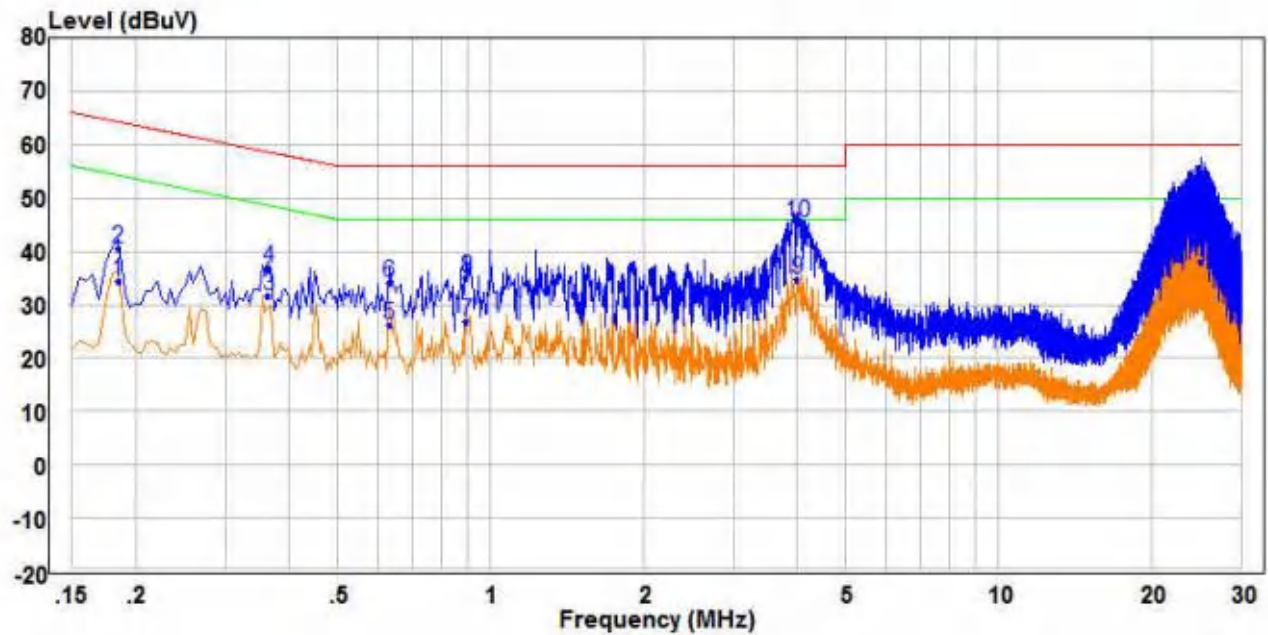


	Freq	Read		Limit	Over		
	MHz	Level	Factor	Level	Line	Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	Pol/Phase
1	0.185	24.24	9.64	33.88	54.26	-20.38	Average
2	0.185	31.38	9.64	41.02	64.26	-23.24	QP
3	0.365	21.42	9.57	30.99	48.61	-17.62	Average
4	0.365	26.85	9.57	36.42	58.61	-22.19	QP
5	1.895	13.72	11.49	25.21	46.00	-20.79	Average
6	1.895	26.49	11.49	37.98	56.00	-18.02	QP
7	2.615	13.62	11.08	24.70	46.00	-21.30	Average
8	2.615	28.20	11.08	39.28	56.00	-16.72	QP
9 AV	4.035	27.18	10.17	37.35	46.00	-8.65	Average
10 PP	4.035	37.94	10.17	48.11	56.00	-7.89	QP
11	25.420	27.96	10.05	38.01	50.00	-11.99	Average
12	25.420	38.86	10.05	48.91	60.00	-11.09	QP

Remark:

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level = Receiver Reading + LISN Factor + Cable Loss.
3. If the Peak value under Average limit, the Average value is not recorded in the report.

Neutral line:



	Freq	Read Level	Factor	Level	Limit	Over	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.185	24.67	9.63	34.30	54.26	-19.96	Average	Neutral
2	0.185	30.93	9.63	40.56	64.26	-23.70	QP	Neutral
3	0.365	22.02	9.56	31.58	48.61	-17.03	Average	Neutral
4	0.365	27.28	9.56	36.84	58.61	-21.77	QP	Neutral
5	0.630	16.41	9.83	26.24	46.00	-19.76	Average	Neutral
6	0.630	24.18	9.83	34.01	56.00	-21.99	QP	Neutral
7	0.895	17.07	9.77	26.84	46.00	-19.16	Average	Neutral
8	0.895	25.23	9.77	35.00	56.00	-21.00	QP	Neutral
9 AV	4.010	24.82	9.79	34.61	46.00	-11.39	Average	Neutral
10	4.010	35.50	9.79	45.29	56.00	-10.71	QP	Neutral
11	25.020	28.08	10.04	38.12	50.00	-11.88	Average	Neutral
12 PP	25.020	39.37	10.04	49.41	60.00	-10.59	QP	Neutral

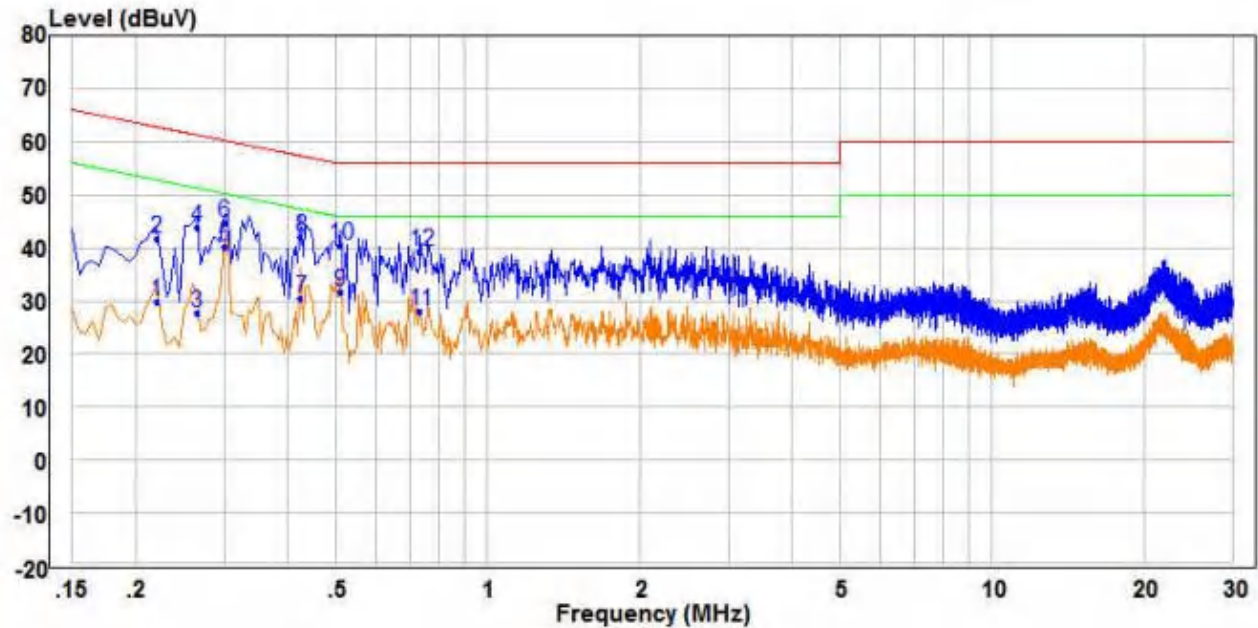
Remark:

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level = Receiver Reading + LISN Factor + Cable Loss.
3. If the Peak value under Average limit, the Average value is not recorded in the report.

GQ120-1900632-E1

Measurement Data

Live line:

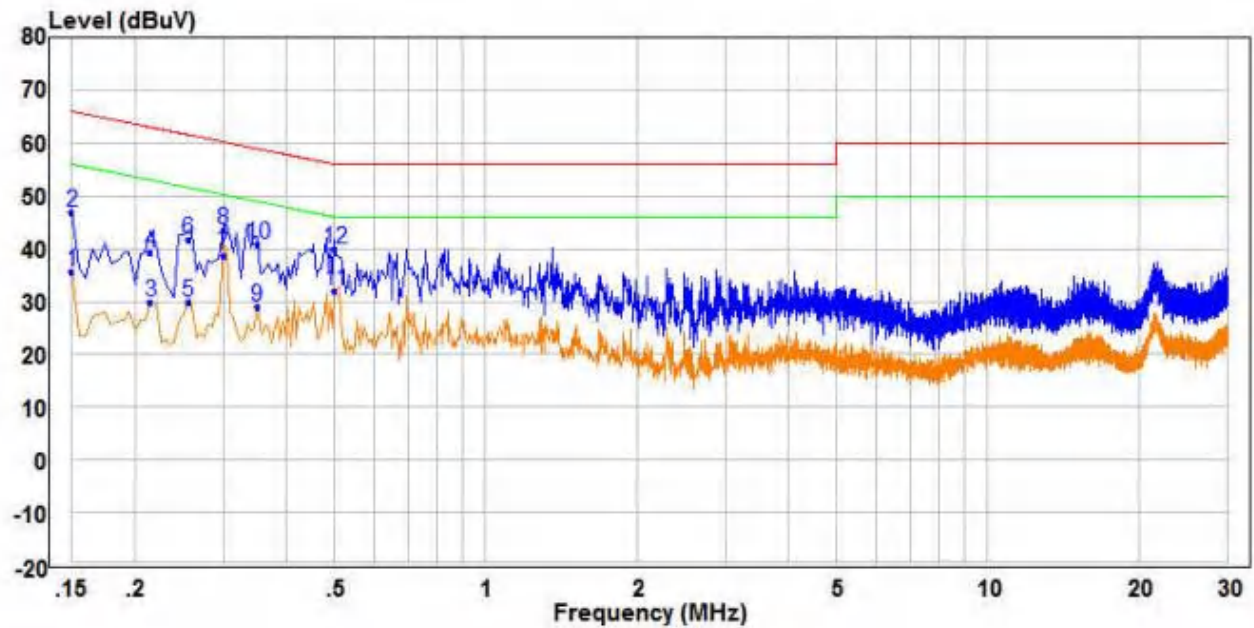


	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.220	20.29	9.58	29.87	52.82	-22.95	Average	Line
2	0.220	32.07	9.58	41.65	62.82	-21.17	QP	Line
3	0.265	18.14	9.53	27.67	51.27	-23.60	Average	Line
4	0.265	34.33	9.53	43.86	61.27	-17.41	QP	Line
5 PP	0.300	30.63	9.49	40.12	50.24	-10.12	Average	Line
6	0.300	35.18	9.49	44.67	60.24	-15.57	QP	Line
7	0.425	20.70	9.63	30.33	47.35	-17.02	Average	Line
8 QP	0.425	32.47	9.63	42.10	57.35	-15.25	QP	Line
9	0.510	22.10	9.71	31.81	46.00	-14.19	Average	Line
10	0.510	30.83	9.71	40.54	56.00	-15.46	QP	Line
11	0.735	18.17	9.88	28.05	46.00	-17.95	Average	Line
12	0.735	29.50	9.88	39.38	56.00	-16.62	QP	Line

Remark:

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level = Receiver Reading + LISN Factor + Cable Loss.
3. If the Peak value under Average limit, the Average value is not recorded in the report.

Neutral line:



	Freq	Read	Factor	Level	Limit	Over	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.150	25.84	9.70	35.54	56.00	-20.46	Average	Neutral
2	0.150	37.13	9.70	46.83	66.00	-19.17	QP	Neutral
3	0.215	20.18	9.59	29.77	53.01	-23.24	Average	Neutral
4	0.215	29.71	9.59	39.30	63.01	-23.71	QP	Neutral
5	0.255	20.32	9.53	29.85	51.59	-21.74	Average	Neutral
6	0.255	32.30	9.53	41.83	61.59	-19.76	QP	Neutral
7 PP	0.300	29.18	9.48	38.66	50.24	-11.58	Average	Neutral
8	0.300	34.18	9.48	43.66	60.24	-16.58	QP	Neutral
9	0.350	19.45	9.55	29.00	48.96	-19.96	Average	Neutral
10	0.350	31.22	9.55	40.77	58.96	-18.19	QP	Neutral
11	0.500	22.14	9.70	31.84	46.00	-14.16	Average	Neutral
12 QP	0.500	30.05	9.70	39.75	56.00	-16.25	QP	Neutral

Remark:

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level = Receiver Reading + LISN Factor + Cable Loss.
3. If the Peak value under Average limit, the Average value is not 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:

Worse case mode:		802.11a		Test channel:		36			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
5150.00	59.03	-3.63	55.40	74	-18.60	peak	H	1.5	335
5150.00	44.86	-3.63	41.23	54	-12.77	AVG	H	1.5	204
5150.00	60.20	-3.63	56.57	74	-17.43	peak	V	1.5	117
5150.00	46.23	-3.63	42.60	54	-11.40	AVG	V	1.5	113

Worse case mode:		802.11a		Test channel:		48			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
5350.00	58.72	-3.59	55.13	74	-18.87	peak	H	1.5	115
5350.00	44.00	-3.59	40.41	54	-13.59	AVG	H	1.5	126
5350.00	59.82	-3.59	56.23	74	-17.77	peak	V	1.5	297
5350.00	46.74	-3.59	43.15	54	-10.85	AVG	V	1.5	267

Worse case mode:		802.11a		Test channel:		149			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
5470.00	58.04	-3.44	54.60	74	-19.40	peak	H	1.5	319
5470.00	43.73	-3.44	40.29	54	-13.71	AVG	H	1.5	234
5470.00	58.01	-3.44	54.57	74	-19.43	peak	V	1.5	58
5470.00	45.66	-3.44	42.22	54	-11.78	AVG	V	1.5	234

Worse case mode:		802.11a		Test channel:		165			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
5850.00	58.45	-3.42	55.03	74	-18.97	peak	H	1.5	197
5850.00	44.01	-3.42	40.59	54	-13.41	AVG	H	1.5	216
5850.00	59.65	-3.42	56.23	74	-17.77	peak	V	1.5	136
5850.00	46.96	-3.42	43.54	54	-10.46	AVG	V	1.5	26

Worse case mode:		802.11n(HT20)		Test channel:		36			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
5150.00	59.12	-3.63	55.49	74	-18.51	peak	H	1.5	208
5150.00	44.00	-3.63	40.37	54	-13.63	AVG	H	1.5	196
5150.00	59.90	-3.63	56.27	74	-17.73	peak	V	1.5	331
5150.00	46.67	-3.63	43.04	54	-10.96	AVG	V	1.5	304

Worse case mode:		802.11n(HT20)		Test channel:		48			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	H/V	(m)	(Degree)
5350.00	58.67	-3.59	55.08	74	-18.92	peak	H	1.5	110
5350.00	44.78	-3.59	41.19	54	-12.81	AVG	H	1.5	117
5350.00	59.67	-3.59	56.08	74	-17.92	peak	V	1.5	214
5350.00	45.98	-3.59	42.39	54	-11.61	AVG	V	1.5	279

Worse case mode:		802.11n(HT20)		Test channel:		149			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	H/V	(m)	(Degree)
5470.00	57.77	-3.44	54.33	74	-19.67	peak	H	1.5	350
5470.00	43.54	-3.44	40.10	54	-13.90	AVG	H	1.5	50
5470.00	58.11	-3.44	54.67	74	-19.33	peak	V	1.5	224
5470.00	46.19	-3.44	42.75	54	-11.25	AVG	V	1.5	107

Worse case mode:		802.11n(HT20)		Test channel:		165			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	H/V	(m)	(Degree)
5850.00	58.93	-3.42	55.51	74	-18.49	peak	H	1.5	283
5850.00	44.47	-3.42	41.05	54	-12.95	AVG	H	1.5	118
5850.00	59.66	-3.42	56.24	74	-17.76	peak	V	1.5	33
5850.00	46.55	-3.42	43.13	54	-10.87	AVG	V	1.5	138

Worse case mode:		802.11n(HT40)		Test channel:		38			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	H/V	(m)	(Degree)
5150.00	59.14	-3.63	55.51	74	-18.49	peak	H	1.5	85
5150.00	44.17	-3.63	40.54	54	-13.46	AVG	H	1.5	208
5150.00	60.22	-3.63	56.59	74	-17.41	peak	V	1.5	98
5150.00	46.23	-3.63	42.60	54	-11.40	AVG	V	1.5	242

Worse case mode:		802.11n(HT40)		Test channel:		48			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	H/V	(m)	(Degree)
5350.00	58.84	-3.59	55.25	74	-18.75	peak	H	1.5	137
5350.00	44.19	-3.59	40.60	54	-13.40	AVG	H	1.5	294
5350.00	60.18	-3.59	56.59	74	-17.41	peak	V	1.5	233
5350.00	46.70	-3.59	43.11	54	-10.89	AVG	V	1.5	193

Worse case mode:		802.11n(HT40)		Test channel:		149			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
5470.00	58.26	-3.44	54.82	74	-19.18	peak	H	1.5	12
5470.00	44.34	-3.44	40.90	54	-13.10	AVG	H	1.5	99
5470.00	57.61	-3.44	54.17	74	-19.83	peak	V	1.5	114
5470.00	46.42	-3.44	42.98	54	-11.02	AVG	V	1.5	111

Worse case mode:		802.11n(HT40)		Test channel:		159			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
5850.00	58.89	-3.42	55.47	74	-18.53	peak	H	1.5	4
5850.00	44.42	-3.42	41.00	54	-13.00	AVG	H	1.5	312
5850.00	59.92	-3.42	56.50	74	-17.50	peak	V	1.5	293
5850.00	46.14	-3.42	42.72	54	-11.28	AVG	V	1.5	215

Worse case mode:		802.11ac(VHT20)		Test channel:		36			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
5150.00	58.69	-3.63	55.06	74	-18.94	peak	H	1.5	351
5150.00	44.13	-3.63	40.50	54	-13.50	AVG	H	1.5	221
5150.00	59.44	-3.63	55.81	74	-18.19	peak	V	1.5	149
5150.00	46.27	-3.63	42.64	54	-11.36	AVG	V	1.5	172

Worse case mode:		802.11ac(VHT20)		Test channel:		48			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
5350.00	58.64	-3.59	55.05	74	-18.95	peak	H	1.5	36
5350.00	44.20	-3.59	40.61	54	-13.39	AVG	H	1.5	208
5350.00	59.55	-3.59	55.96	74	-18.04	peak	V	1.5	58
5350.00	46.26	-3.59	42.67	54	-11.33	AVG	V	1.5	73

Worse case mode:		802.11ac(VHT20)		Test channel:		149			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
5470.00	58.33	-3.44	54.89	74	-19.11	peak	H	1.5	180
5470.00	44.27	-3.44	40.83	54	-13.17	AVG	H	1.5	45
5470.00	58.16	-3.44	54.72	74	-19.28	peak	V	1.5	219
5470.00	45.71	-3.44	42.27	54	-11.73	AVG	V	1.5	40

Worse case mode:		802.11ac(VHT20)		Test channel:		165			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
5850.00	58.90	-3.42	55.48	74	-18.52	peak	H	1.5	223
5850.00	44.01	-3.42	40.59	54	-13.41	AVG	H	1.5	122
5850.00	60.04	-3.42	56.62	74	-17.38	peak	V	1.5	225
5850.00	46.40	-3.42	42.98	54	-11.02	AVG	V	1.5	308

Worse case mode:		802.11ac(VHT40)		Test channel:		38			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
5150.00	58.35	-3.63	54.72	74	-19.28	peak	H	1.5	354
5150.00	44.29	-3.63	40.66	54	-13.34	AVG	H	1.5	256
5150.00	59.72	-3.63	56.09	74	-17.91	peak	V	1.5	120
5150.00	46.15	-3.63	42.52	54	-11.48	AVG	V	1.5	145

Worse case mode:		802.11ac(VHT40)		Test channel:		48			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
5350.00	58.32	-3.59	54.73	74	-19.27	peak	H	1.5	124
5350.00	44.20	-3.59	40.61	54	-13.39	AVG	H	1.5	200
5350.00	59.89	-3.59	56.30	74	-17.70	peak	V	1.5	132
5350.00	46.77	-3.59	43.18	54	-10.82	AVG	V	1.5	228

Worse case mode:		802.11ac(VHT40)		Test channel:		149			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
5470.00	58.38	-3.44	54.94	74	-19.06	peak	H	1.5	157
5470.00	43.55	-3.44	40.11	54	-13.89	AVG	H	1.5	138
5470.00	57.68	-3.44	54.24	74	-19.76	peak	V	1.5	268
5470.00	45.99	-3.44	42.55	54	-11.45	AVG	V	1.5	101

Worse case mode:		802.11ac(VHT40)		Test channel:		159			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)			(m)	(Degree)
5850.00	58.88	-3.42	55.46	74	-18.54	peak	H	1.5	115
5850.00	44.37	-3.42	40.95	54	-13.05	AVG	H	1.5	335
5850.00	59.26	-3.42	55.84	74	-18.16	peak	V	1.5	126
5850.00	46.51	-3.42	43.09	54	-10.91	AVG	V	1.5	116

Worse case mode:		802.11ac(VHT80)		Test channel:		42			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
5150.00	59.16	-3.63	55.53	74	-18.47	peak	H	1.5	32
5150.00	44.52	-3.63	40.89	54	-13.11	AVG	H	1.5	130
5150.00	59.50	-3.63	55.87	74	-18.13	peak	V	1.5	201
5150.00	46.22	-3.63	42.59	54	-11.41	AVG	V	1.5	100

Worse case mode:		802.11ac(VHT80)		Test channel:		42			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
5350.00	58.98	-3.59	55.39	74	-18.61	peak	H	1.5	255
5350.00	44.73	-3.59	41.14	54	-12.86	AVG	H	1.5	237
5350.00	59.56	-3.59	55.97	74	-18.03	peak	V	1.5	220
5350.00	46.87	-3.59	43.28	54	-10.72	AVG	V	1.5	165

Worse case mode:		802.11ac(VHT80)		Test channel:		155			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
5470.00	57.61	-3.44	54.17	74	-19.83	peak	H	1.5	206
5470.00	43.75	-3.44	40.31	54	-13.69	AVG	H	1.5	49
5470.00	57.91	-3.44	54.47	74	-19.53	peak	V	1.5	288
5470.00	46.41	-3.44	42.97	54	-11.03	AVG	V	1.5	248

Worse case mode:		802.11ac(VHT80)		Test channel:		155			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
5850.00	59.04	-3.42	55.62	74	-18.38	peak	H	1.5	131
5850.00	44.94	-3.42	41.52	54	-12.48	AVG	H	1.5	341
5850.00	59.91	-3.42	56.49	74	-17.51	peak	V	1.5	193
5850.00	46.48	-3.42	43.06	54	-10.94	AVG	V	1.5	276

Worse case mode:		802.11ax(HE20)		Test channel:		36			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
5150.00	58.43	-3.63	54.80	74	-19.20	peak	H	1.5	340
5150.00	44.43	-3.63	40.80	54	-13.20	AVG	H	1.5	216
5150.00	59.95	-3.63	56.32	74	-17.68	peak	V	1.5	71
5150.00	46.63	-3.63	43.00	54	-11.00	AVG	V	1.5	9

Worse case mode:		802.11ax(HE20)		Test channel:		48			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
5350.00	59.08	-3.59	55.49	74	-18.51	peak	H	1.5	228
5350.00	44.51	-3.59	40.92	54	-13.08	AVG	H	1.5	317
5350.00	60.10	-3.59	56.51	74	-17.49	peak	V	1.5	107
5350.00	46.84	-3.59	43.25	54	-10.75	AVG	V	1.5	44

Worse case mode:		802.11ax(HE20)		Test channel:		149			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
5470.00	57.60	-3.44	54.16	74	-19.84	peak	H	1.5	190
5470.00	43.52	-3.44	40.08	54	-13.92	AVG	H	1.5	107
5470.00	58.26	-3.44	54.82	74	-19.18	peak	V	1.5	98
5470.00	45.92	-3.44	42.48	54	-11.52	AVG	V	1.5	320

Worse case mode:		802.11ax(HE20)		Test channel:		165			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
5850.00	58.50	-3.42	55.08	74	-18.92	peak	H	1.5	45
5850.00	44.15	-3.42	40.73	54	-13.27	AVG	H	1.5	248
5850.00	59.69	-3.42	56.27	74	-17.73	peak	V	1.5	129
5850.00	46.90	-3.42	43.48	54	-10.52	AVG	V	1.5	47

Worse case mode:		802.11ax(HE40)		Test channel:		38			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
5150.00	58.68	-3.63	55.05	74	-18.95	peak	H	1.5	292
5150.00	44.55	-3.63	40.92	54	-13.08	AVG	H	1.5	174
5150.00	59.49	-3.63	55.86	74	-18.14	peak	V	1.5	157
5150.00	46.12	-3.63	42.49	54	-11.51	AVG	V	1.5	122

Worse case mode:		802.11ax(HE40)		Test channel:		48			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
5350.00	58.89	-3.59	55.30	74	-18.70	peak	H	1.5	164
5350.00	44.89	-3.59	41.30	54	-12.70	AVG	H	1.5	357
5350.00	60.22	-3.59	56.63	74	-17.37	peak	V	1.5	69
5350.00	46.46	-3.59	42.87	54	-11.13	AVG	V	1.5	159

Worse case mode:		802.11ax(HE40)		Test channel:		149			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
5470.00	57.77	-3.44	54.33	74	-19.67	peak	H	1.5	274
5470.00	43.72	-3.44	40.28	54	-13.72	AVG	H	1.5	343
5470.00	58.34	-3.44	54.90	74	-19.10	peak	V	1.5	54
5470.00	45.90	-3.44	42.46	54	-11.54	AVG	V	1.5	178

Worse case mode:		802.11ax(HE40)		Test channel:		159			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)			(m)	(Degree)
5850.00	58.88	-3.42	55.46	74	-18.54	peak	H	1.5	176
5850.00	44.76	-3.42	41.34	54	-12.66	AVG	H	1.5	212
5850.00	60.15	-3.42	56.73	74	-17.27	peak	V	1.5	34
5850.00	45.99	-3.42	42.57	54	-11.43	AVG	V	1.5	27

Worse case mode:		802.11ax(HE80)		Test channel:		42			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
5150.00	58.42	-3.63	54.79	74	-19.21	peak	H	1.5	286
5150.00	44.57	-3.63	40.94	54	-13.06	AVG	H	1.5	282
5150.00	59.56	-3.63	55.93	74	-18.07	peak	V	1.5	52
5150.00	46.65	-3.63	43.02	54	-10.98	AVG	V	1.5	284

Worse case mode:		802.11ax(HE80)		Test channel:		42			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
5350.00	58.68	-3.59	55.09	74	-18.91	peak	H	1.5	9
5350.00	44.75	-3.59	41.16	54	-12.84	AVG	H	1.5	140
5350.00	59.43	-3.59	55.84	74	-18.16	peak	V	1.5	331
5350.00	46.68	-3.59	43.09	54	-10.91	AVG	V	1.5	304

Worse case mode:		802.11ax(HE80)		Test channel:		155			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
5470.00	57.84	-3.44	54.40	74	-19.60	peak	H	1.5	216
5470.00	43.87	-3.44	40.43	54	-13.57	AVG	H	1.5	228
5470.00	58.23	-3.44	54.79	74	-19.21	peak	V	1.5	314
5470.00	45.73	-3.44	42.29	54	-11.71	AVG	V	1.5	99

Worse case mode:		802.11ax(HE80)		Test channel:		155			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
5850.00	58.56	-3.42	55.14	74	-18.86	peak	H	1.5	37
5850.00	44.06	-3.42	40.64	54	-13.36	AVG	H	1.5	303
5850.00	59.28	-3.42	55.86	74	-18.14	peak	V	1.5	5
5850.00	46.03	-3.42	42.61	54	-11.39	AVG	V	1.5	205

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

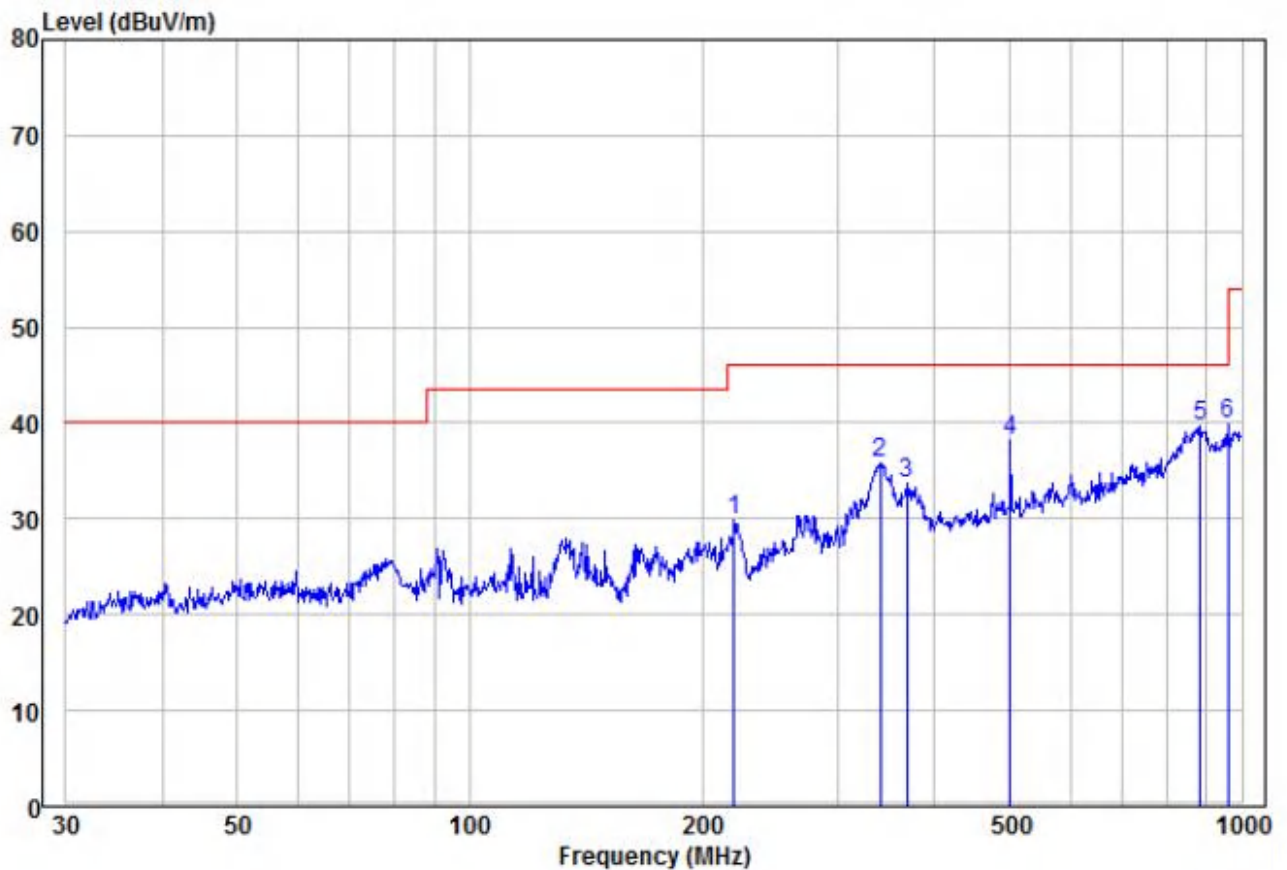
Receiver Setup:	Frequency	Detector	RBW	VBW	Remark
	0.009MHz-0.090MHz	Peak	10kHz	30kHz	Peak
	0.009MHz-0.090MHz	Average	10kHz	30kHz	Average
	0.090MHz-0.110MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
	0.110MHz-0.490MHz	Peak	10kHz	30kHz	Peak
	0.110MHz-0.490MHz	Average	10kHz	30kHz	Average
	0.490MHz -30MHz	Quasi-peak	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

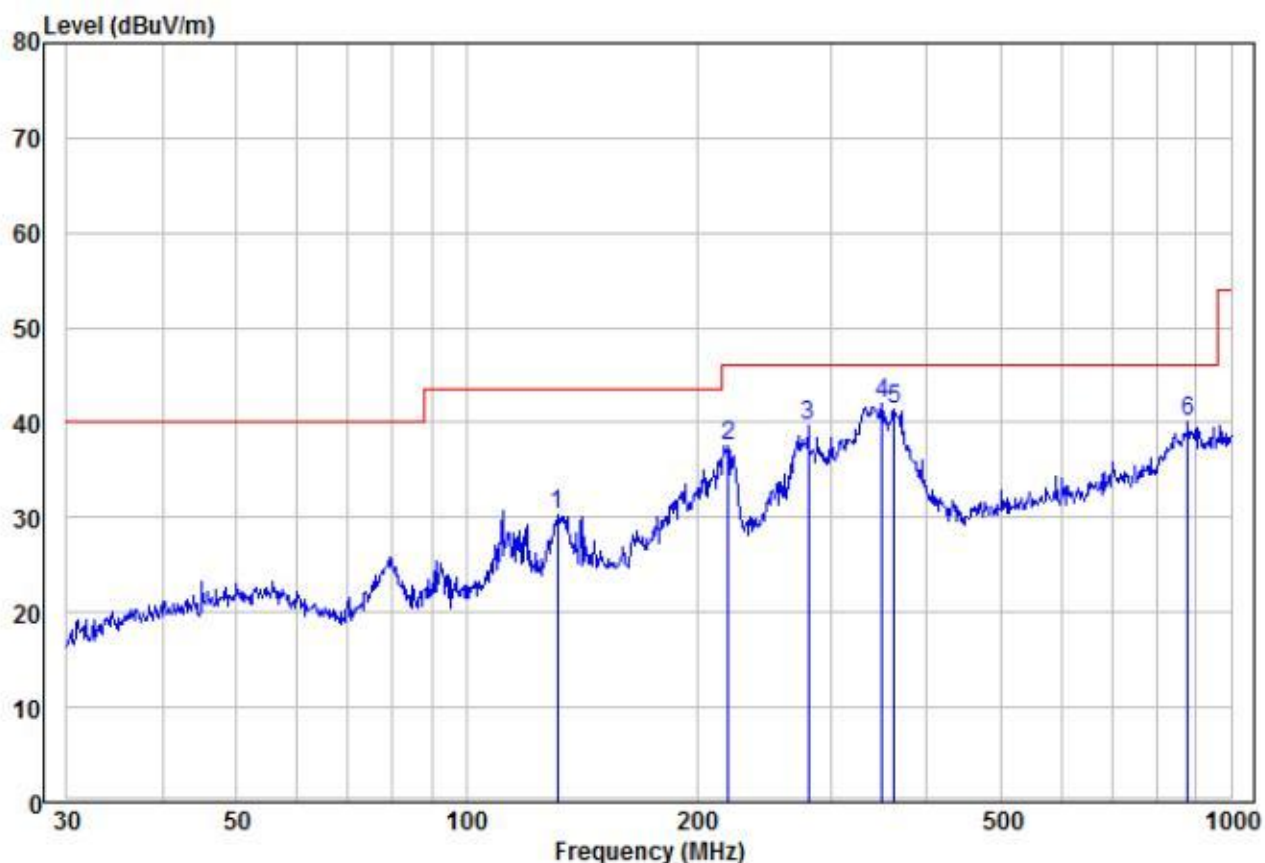
MSS-Z6320WR190-120C0-E

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



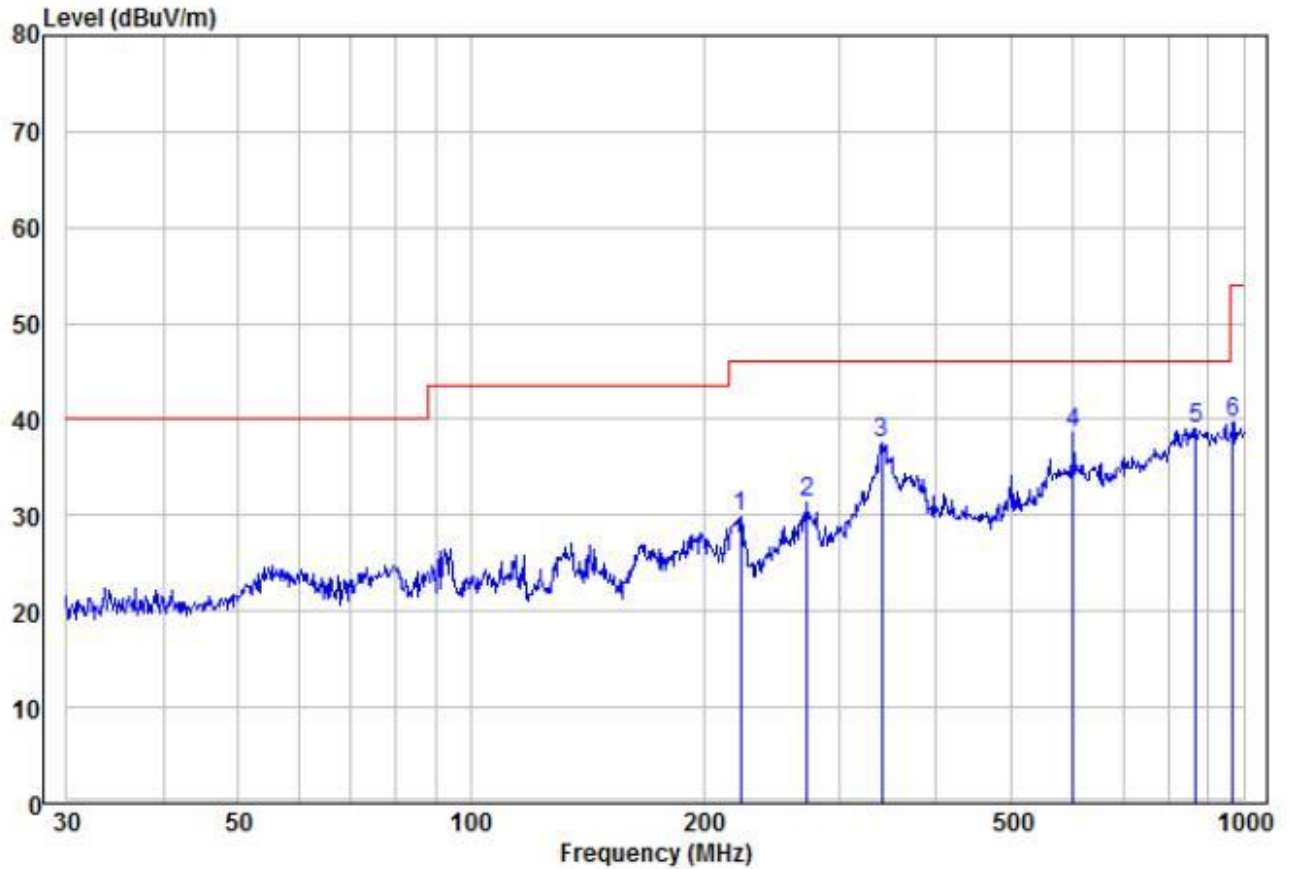
	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark	Pol/Phase	APos	TPos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB			cm	deg
1	219.84	16.24	13.56	29.80	46.00	-16.20	Peak	VERTICAL	100	55
2	340.78	17.10	18.77	35.87	46.00	-10.13	Peak	VERTICAL	100	69
3	368.11	14.36	19.42	33.78	46.00	-12.22	Peak	VERTICAL	100	89
4	501.18	16.41	21.84	38.25	46.00	-7.75	Peak	VERTICAL	100	103
5	884.50	10.04	29.58	39.62	46.00	-6.38	Peak	VERTICAL	100	156
6 pp	958.79	11.11	28.78	39.89	46.00	-6.11	Peak	VERTICAL	100	95

Test mode:	Transmitting (802.11a 36CH)	Horizontal
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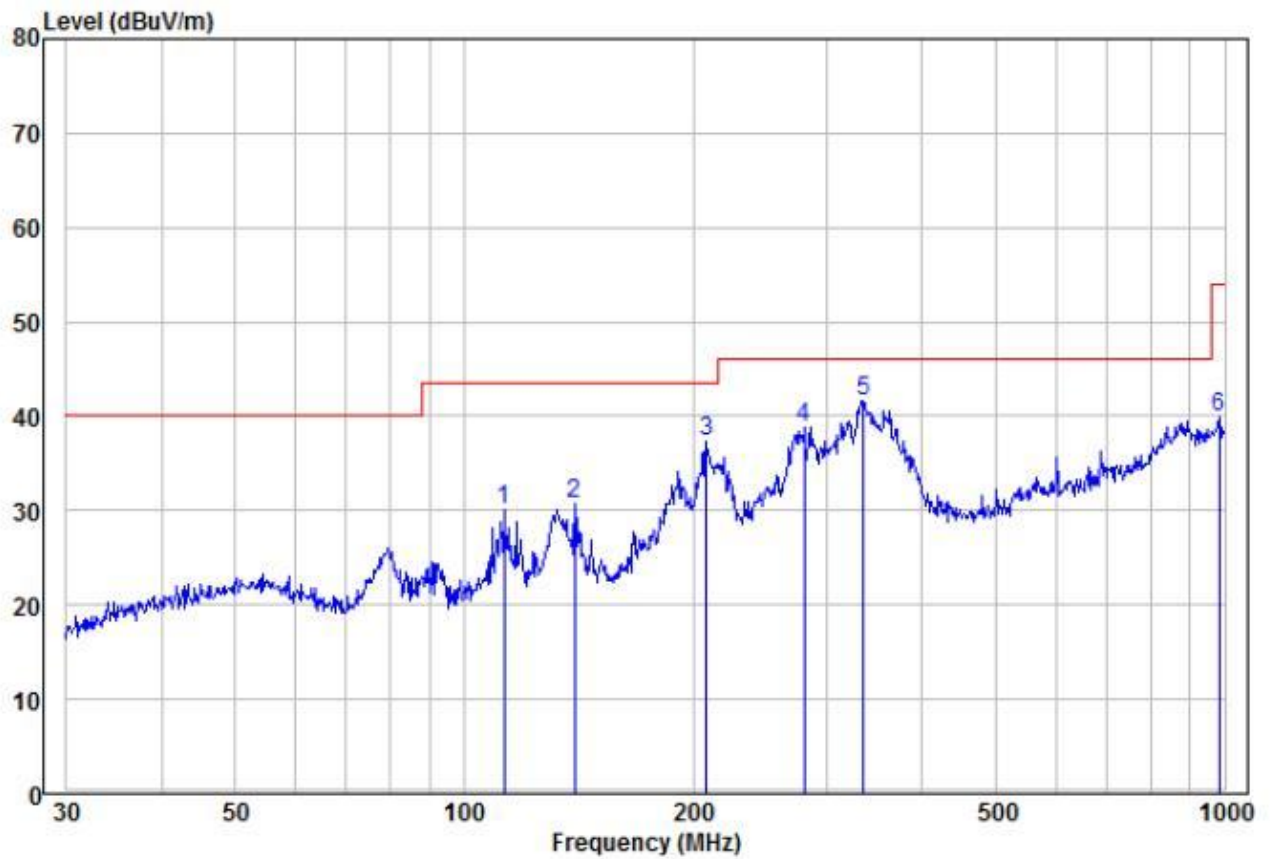
	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark	Pol/Phase	APos	TPos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB			cm	deg
1	131.30	20.45	9.93	30.38	43.50	-13.12	Peak	HORIZONTAL	100	219
2	219.84	24.00	13.56	37.56	46.00	-8.44	Peak	HORIZONTAL	100	147
3	280.02	22.40	17.21	39.61	46.00	-6.39	Peak	HORIZONTAL	100	182
4 pp	349.25	23.14	18.97	42.11	46.00	-3.89	Peak	HORIZONTAL	100	300
5	362.98	22.16	19.30	41.46	46.00	-4.54	Peak	HORIZONTAL	100	288
6	878.32	10.66	29.48	40.14	46.00	-5.86	Peak	HORIZONTAL	100	163

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



	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark	Pol/Phase	APos	TPos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB			cm	deg
1	223.73	15.78	14.03	29.81	46.00	-16.19	Peak	VERTICAL	100	179
2	272.28	14.42	17.00	31.42	46.00	-14.58	Peak	VERTICAL	100	315
3	340.78	18.73	18.77	37.50	46.00	-8.50	Peak	VERTICAL	100	235
4	601.43	15.84	22.81	38.65	46.00	-7.35	Peak	VERTICAL	100	202
5 pp	869.13	9.78	29.34	39.12	46.00	-6.88	Peak	VERTICAL	100	168
6	968.93	10.83	28.88	39.71	54.00	-14.29	Peak	VERTICAL	100	139

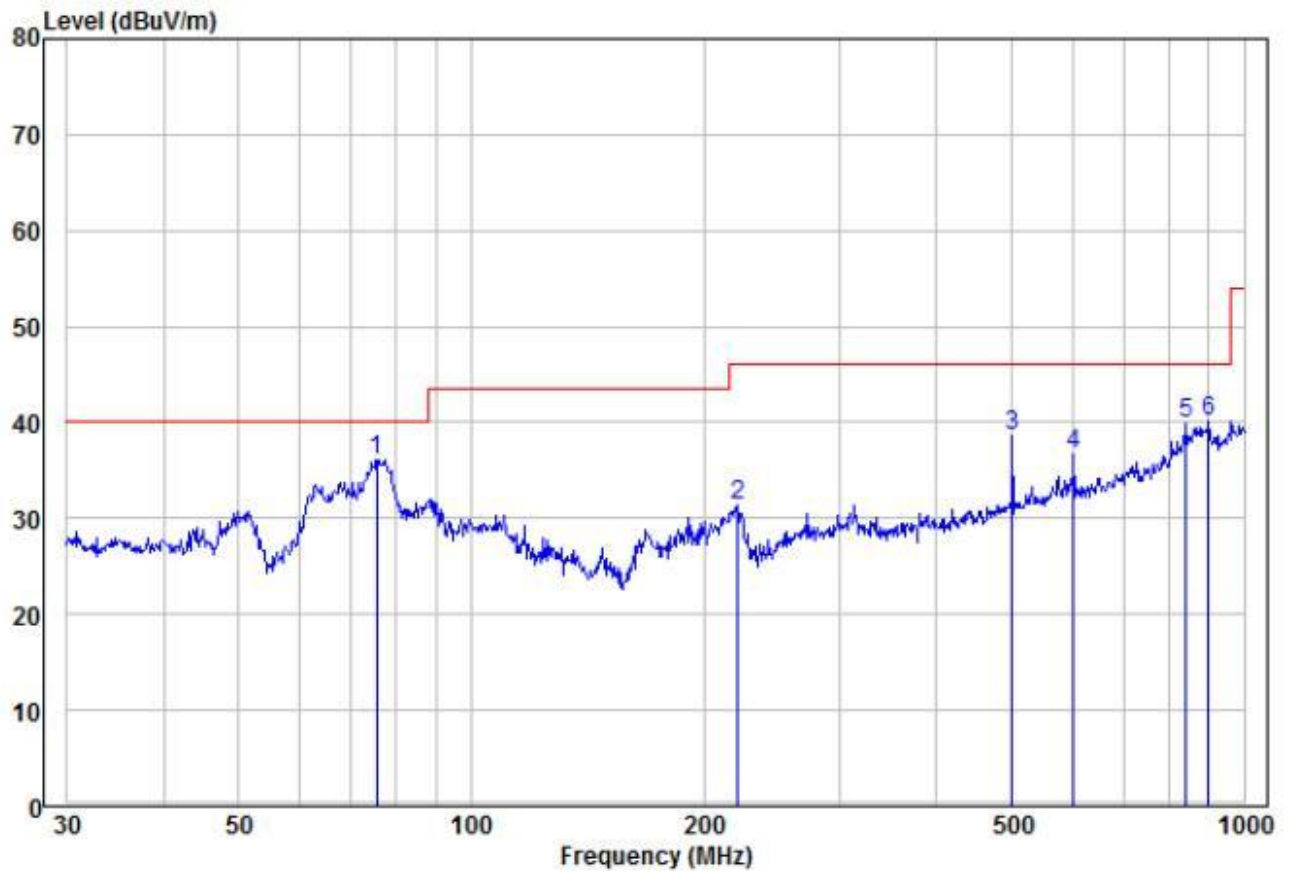
Test mode:	Transmitting (802.11a 149CH)	Horizontal
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	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark	Pol/Phase	APos	TPos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB			cm	deg
1	112.92	17.85	12.30	30.15	43.50	-13.35	Peak	HORIZONTAL	100	302
2	139.85	21.14	9.56	30.70	43.50	-12.80	Peak	HORIZONTAL	100	92
3	208.58	23.99	13.25	37.24	43.50	-6.26	Peak	HORIZONTAL	100	250
4	280.02	21.61	17.21	38.82	46.00	-7.18	Peak	HORIZONTAL	100	128
5 pp	334.86	22.99	18.62	41.61	46.00	-4.39	Peak	HORIZONTAL	100	166
6	982.62	10.83	29.03	39.86	54.00	-14.14	Peak	HORIZONTAL	100	197

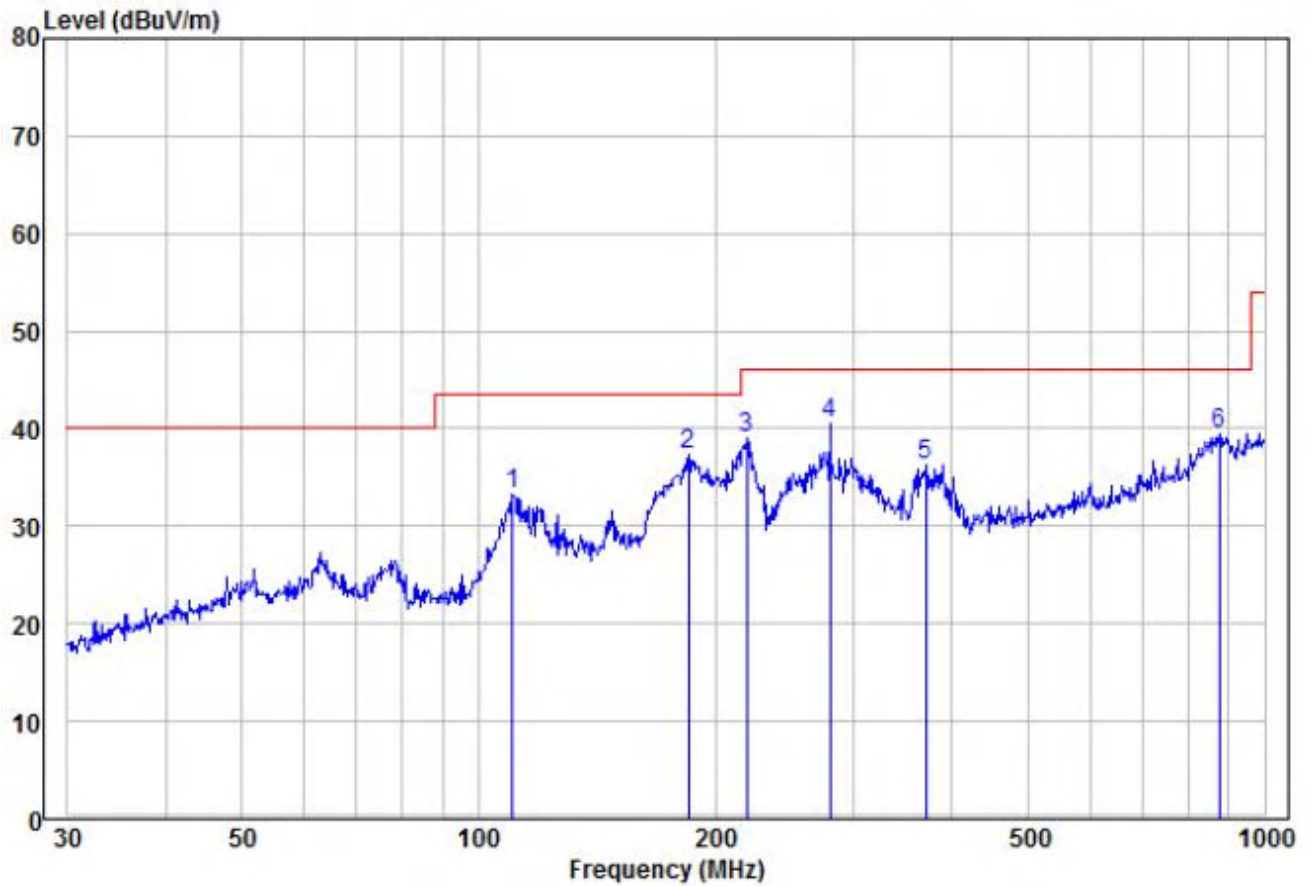
GQ120-1900632-E1

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



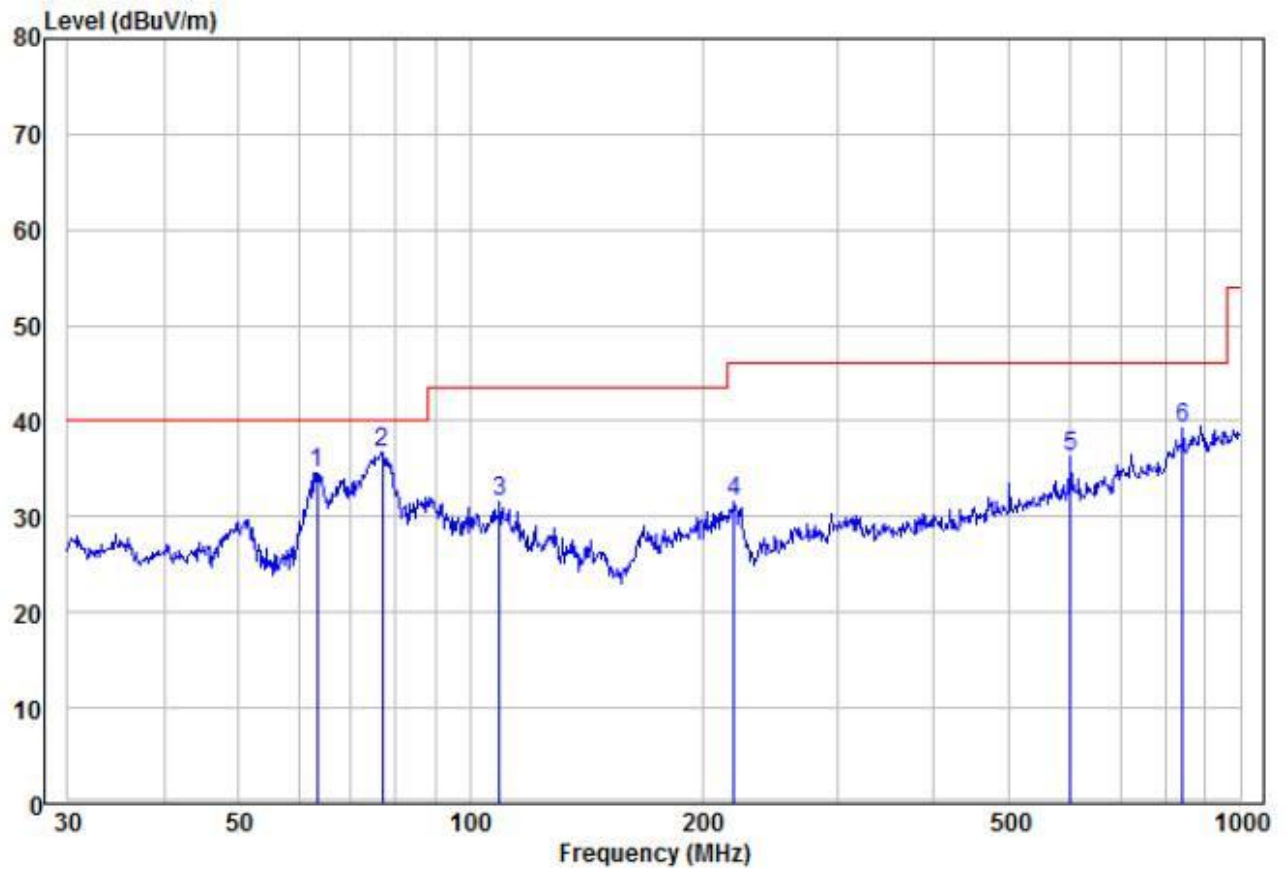
		Read		Limit	Over			APos	TPos
	Freq	Level	Factor	Level	Line	Limit	Remark	Pol/Phase	
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB			cm deg
1	pp	75.45	26.97	9.17	36.14	40.00	-3.86 Peak	VERTICAL	100 55
2		221.39	17.67	13.73	31.40	46.00	-14.60 Peak	VERTICAL	100 50
3		501.18	16.72	21.84	38.56	46.00	-7.44 Peak	VERTICAL	100 181
4		601.43	13.80	22.81	36.61	46.00	-9.39 Peak	VERTICAL	100 226
5		842.13	10.99	28.94	39.93	46.00	-6.07 Peak	VERTICAL	100 42
6		900.15	10.86	29.29	40.15	46.00	-5.85 Peak	VERTICAL	100 166

Test mode:	Transmitting (802.11a 36CH)	Horizontal
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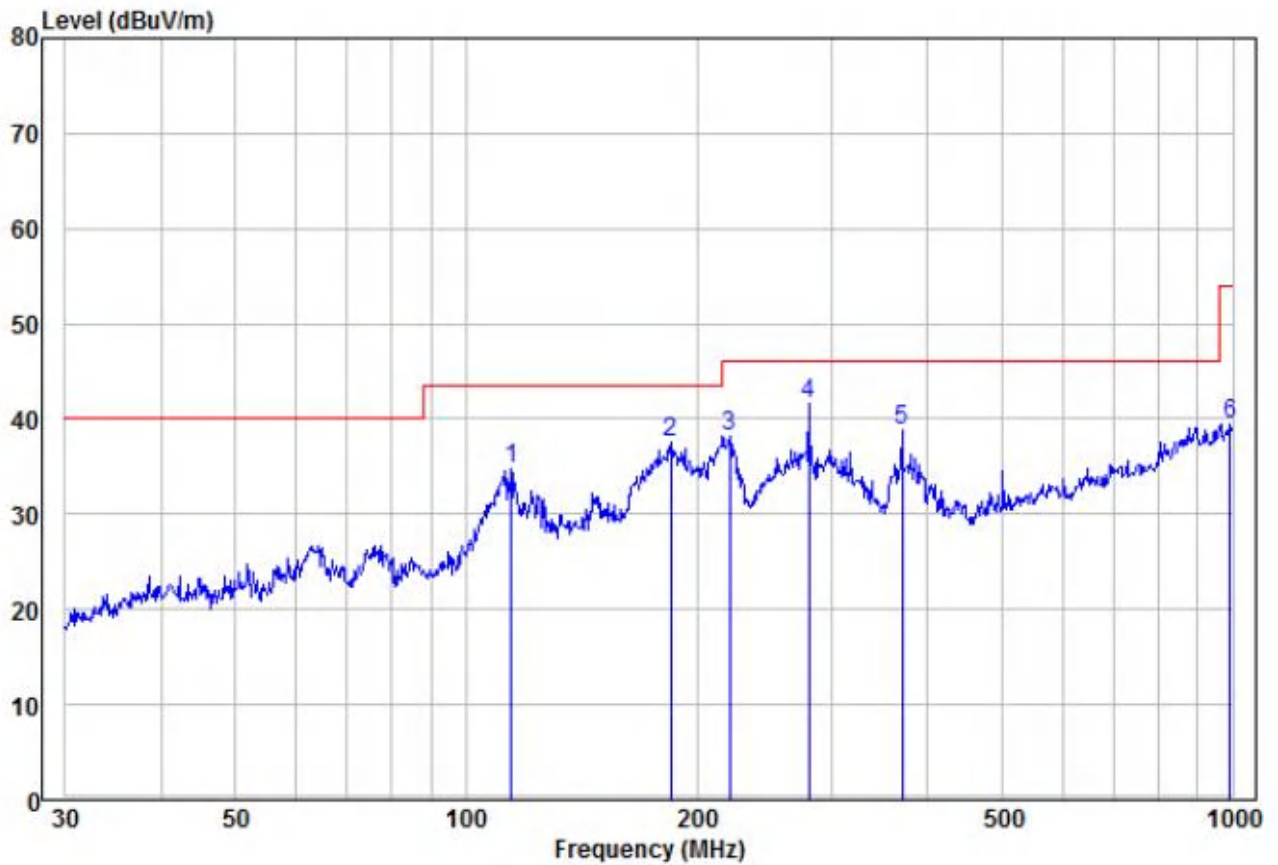
	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark	Pol/Phase	APos	TPos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB			cm	deg
1	110.57	20.62	12.66	33.28	43.50	-10.22	Peak	HORIZONTAL	100	66
2	185.14	25.27	12.08	37.35	43.50	-6.15	Peak	HORIZONTAL	100	102
3	219.08	25.47	13.54	39.01	46.00	-6.99	Peak	HORIZONTAL	100	259
4 pp	280.02	23.25	17.21	40.46	46.00	-5.54	Peak	HORIZONTAL	100	290
5	370.70	17.03	19.34	36.37	46.00	-9.63	Peak	HORIZONTAL	100	289
6	875.25	10.13	29.43	39.56	46.00	-6.44	Peak	HORIZONTAL	100	205

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



	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark	Pol/Phase	APos	TPos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB			cm	deg
1	63.31	22.65	11.90	34.55	40.00	-5.45	Peak	VERTICAL	100	49
2	76.78	27.72	8.98	36.70	40.00	-3.30	Peak	VERTICAL	100	87
3	109.03	18.82	12.77	31.59	43.50	-11.91	Peak	VERTICAL	100	119
4	219.84	18.00	13.56	31.56	46.00	-14.44	Peak	VERTICAL	100	152
5	601.43	13.55	22.81	36.36	46.00	-9.64	Peak	VERTICAL	100	246
6	842.13	10.29	28.94	39.23	46.00	-6.77	Peak	VERTICAL	100	134

Test mode:	Transmitting (802.11a 149CH)	Horizontal
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	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark	Pol/Phase	APos	TPos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB			cm	deg
1	114.51	22.75	12.06	34.81	43.50	-8.69	Peak	HORIZONTAL	100	292
2	185.14	25.42	12.08	37.50	43.50	-6.00	Peak	HORIZONTAL	100	333
3	220.62	24.53	13.64	38.17	46.00	-7.83	Peak	HORIZONTAL	100	145
4 pp	280.02	24.31	17.21	41.52	46.00	-4.48	Peak	HORIZONTAL	100	210
5	370.70	19.49	19.34	38.83	46.00	-7.17	Peak	HORIZONTAL	100	106
6	993.01	10.27	29.13	39.40	54.00	-14.60	Peak	HORIZONTAL	100	21

Transmitter Emission above 1GHz

Test mode:	802.11a(6Mbps)			Test channel:		36 CH			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
10360	54.20	2.26	56.46	74	-17.54	peak	H	1.5	131
10360	37.07	2.26	39.33	54	-14.67	AVG	H	1.5	292
15540	50.95	3.75	54.70	74	-19.30	peak	H	1.5	223
15540	37.74	3.75	41.49	54	-12.51	AVG	H	1.5	240
10360	55.24	2.26	57.50	74	-16.50	peak	V	1.5	173
10360	39.73	2.26	41.99	54	-12.01	AVG	V	1.5	90
15540	51.03	3.75	54.78	74	-19.22	peak	V	1.5	323
15540	35.41	3.75	39.16	54	-14.84	AVG	V	1.5	329

Test mode:	802.11a(6Mbps)			Test channel:		48 CH			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
10480	52.92	2.31	55.23	74	-18.77	peak	H	1.5	146
10480	36.21	2.31	38.52	54	-15.48	AVG	H	1.5	271
15720	49.98	3.79	53.77	74	-20.23	peak	H	1.5	202
15720	36.69	3.79	40.48	54	-13.52	AVG	H	1.5	223
10480	53.55	2.31	55.86	74	-18.14	peak	V	1.5	347
10480	37.67	2.31	39.98	54	-14.02	AVG	V	1.5	140
15720	49.79	3.79	53.58	74	-20.42	peak	V	1.5	192
15720	36.54	3.79	40.33	54	-13.67	AVG	V	1.5	265

Test mode:	802.11a(6Mbps)			Test channel:		149			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
11490	52.55	2.54	55.09	74	-18.91	peak	H	1.5	107
11490	37.17	2.54	39.71	54	-14.29	AVG	H	1.5	206
17235	49.37	3.94	53.31	74	-20.69	peak	H	1.5	105
17235	37.17	3.94	41.11	54	-12.89	AVG	H	1.5	124
11490	54.97	2.54	57.51	74	-16.49	peak	V	1.5	128
11490	37.72	2.54	40.26	54	-13.74	AVG	V	1.5	127
17235	50.11	3.94	54.05	74	-19.95	peak	V	1.5	260
17235	36.27	3.94	40.21	54	-13.79	AVG	V	1.5	64

Test mode:	802.11a(6Mbps)			Test channel:		165			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
11650	52.07	2.58	54.65	74	-19.35	peak	H	1.5	198
11650	37.13	2.58	39.71	54	-14.29	AVG	H	1.5	258
17475	51.15	4.02	55.17	74	-18.83	peak	H	1.5	9
17475	37.34	4.02	41.36	54	-12.64	AVG	H	1.5	131
11650	54.77	2.58	57.35	74	-16.65	peak	V	1.5	28
11650	37.92	2.58	40.50	54	-13.50	AVG	V	1.5	79
17475	51.07	4.02	55.09	74	-18.91	peak	V	1.5	256
17475	37.48	4.02	41.50	54	-12.50	AVG	V	1.5	132

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.

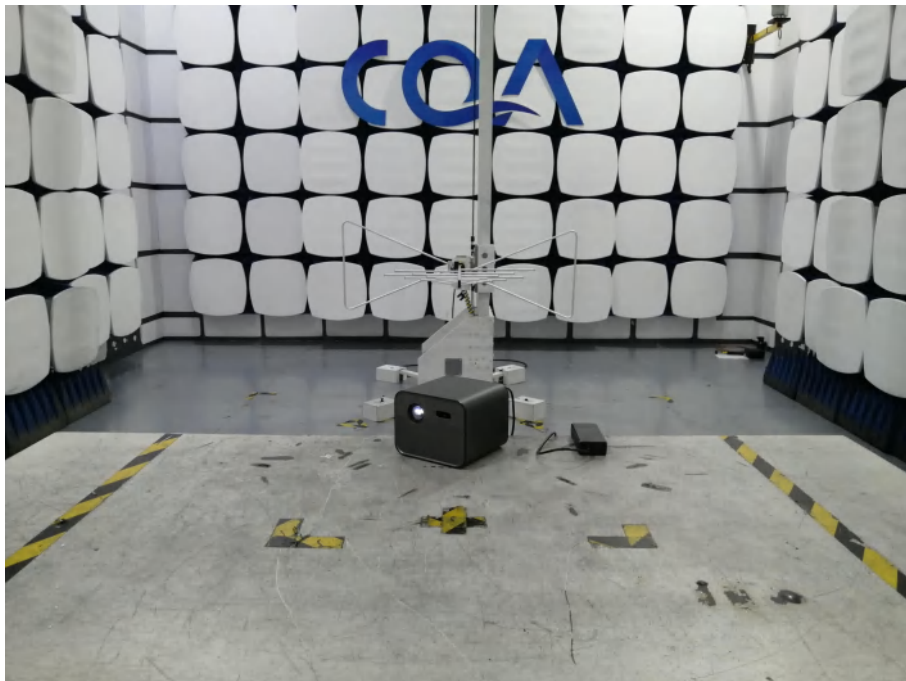
8 Photographs - EUT Test Setup

8.1 Radiated Spurious Emission

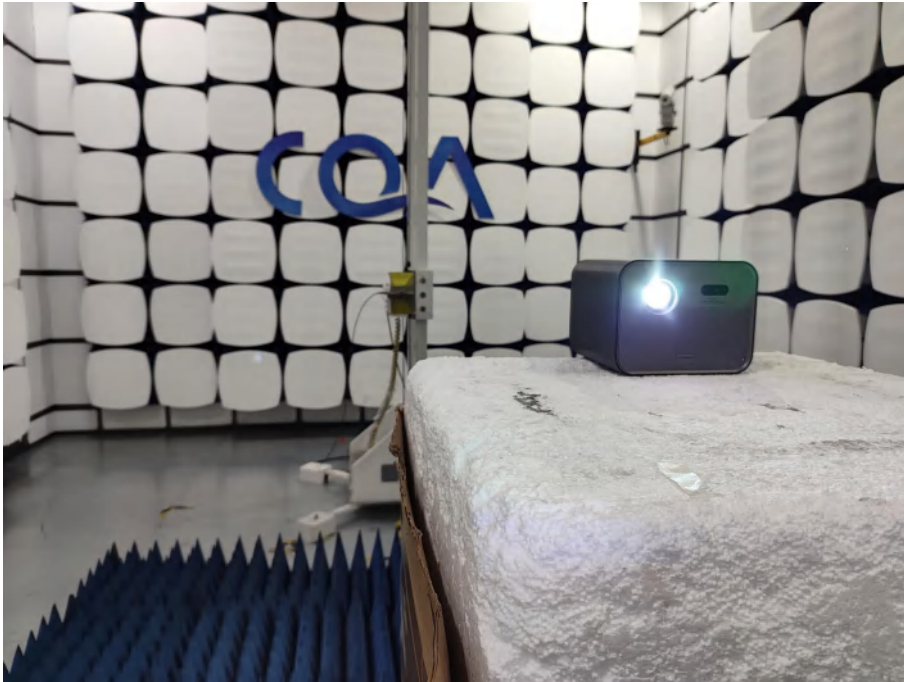
9kHz~30MHz:



30MHz~1GHz:



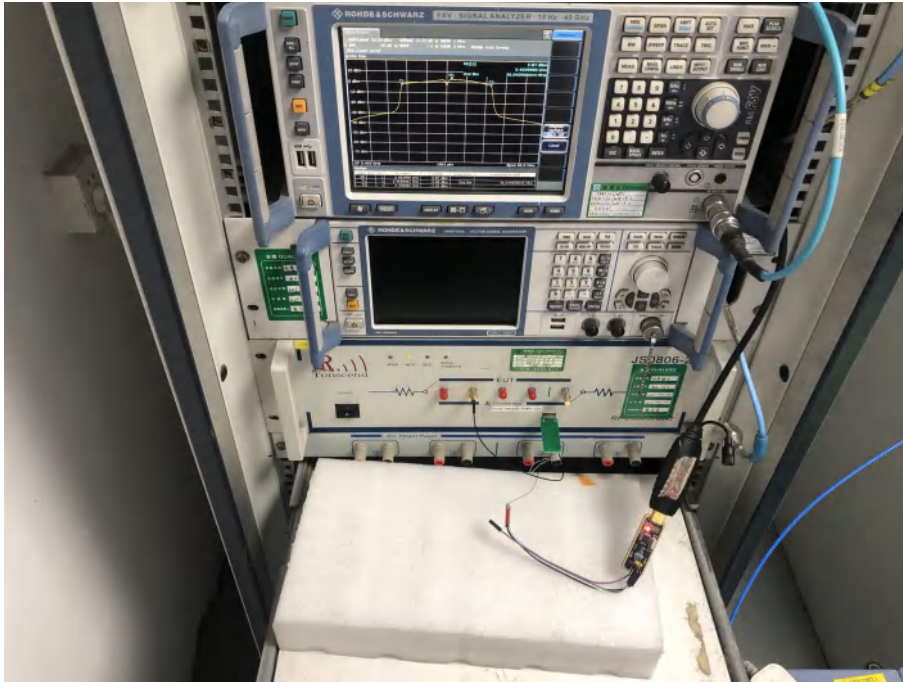
Above 1GHz:



8.2 Conducted Emission



8.3 RF Conducted measurement



9 Photographs - EUT Constructional Details

Refer to PHOTOGRAPHS OF EUT for CQASZ20250601276E-01.

*** END OF REPORT ***