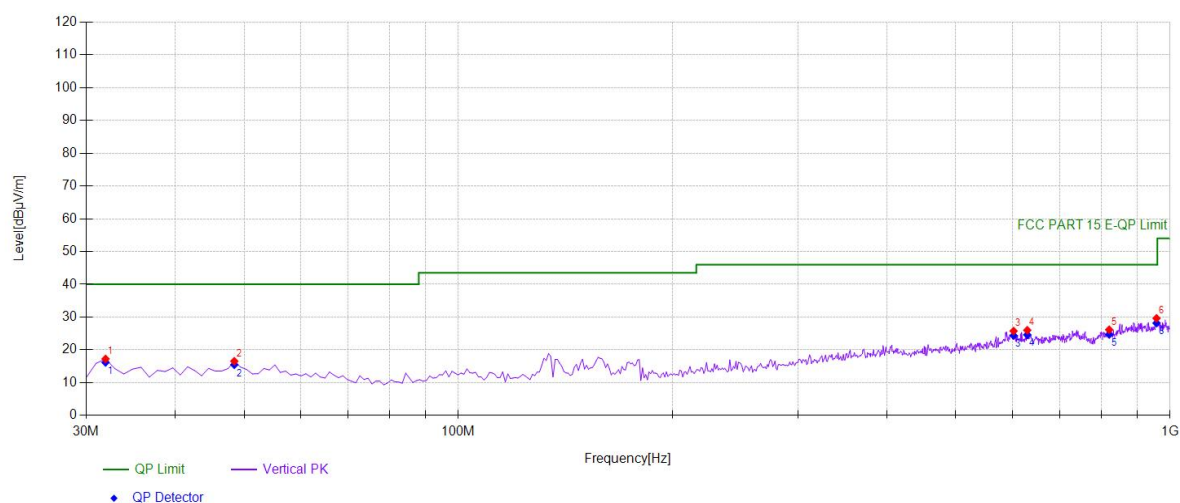


Test mode: 802.11n(VHT20) Frequency(MHz): 5500

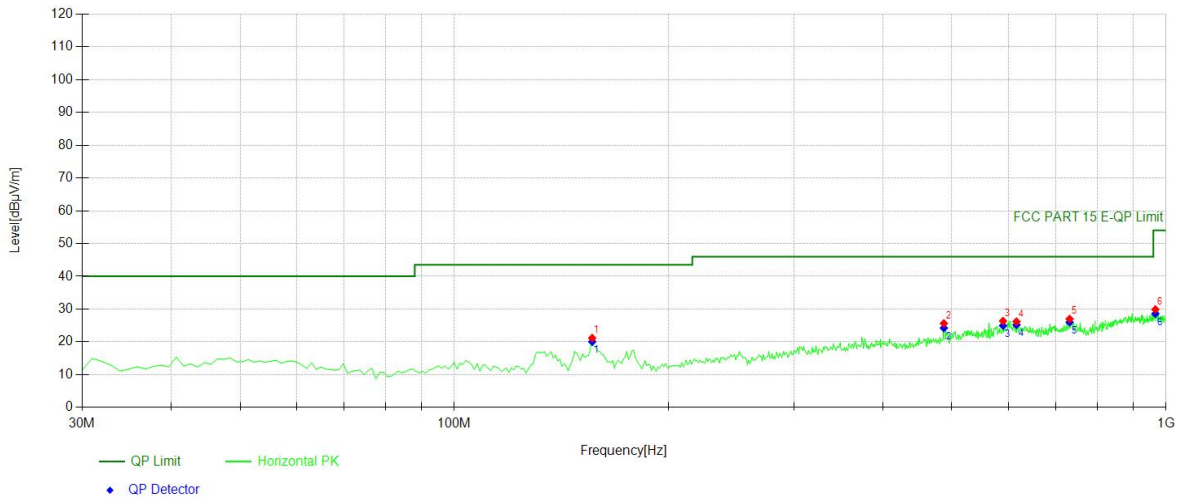


Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	31.9419	30.74	-13.49	17.25	PK	40.00	22.75	Vertical
2	48.4484	27.45	-10.90	16.55	PK	40.00	23.45	Vertical
3	602.8729	26.19	-0.44	25.75	PK	46.00	20.25	Vertical
4	630.0601	27.26	-1.26	26.00	PK	46.00	20.00	Vertical
5	821.3413	25.33	0.84	26.17	PK	46.00	19.83	Vertical
6	957.2773	26.40	3.24	29.64	PK	46.00	16.36	Vertical

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	31.9419	-13.49	16.18	40.00	23.82
2	48.4484	-10.90	15.48	40.00	24.52
3	602.8729	-0.44	24.36	46.00	21.64
4	630.0601	-1.26	24.61	46.00	21.39
5	821.3413	0.84	24.70	46.00	21.30
6	957.2773	3.24	28.17	46.00	17.83



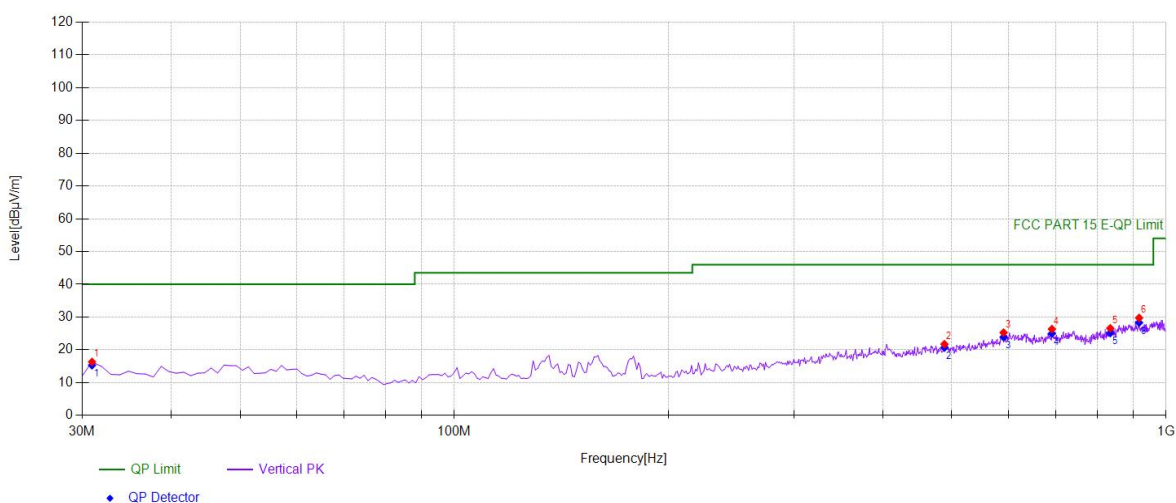
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	156.2262	35.35	-14.18	21.17	PK	43.50	22.33	Horizontal
2	487.3273	29.60	-3.95	25.65	PK	46.00	20.35	Horizontal
3	590.2503	27.13	-0.76	26.37	PK	46.00	19.63	Horizontal
4	616.4665	27.39	-1.20	26.19	PK	46.00	19.81	Horizontal
5	732.012	26.69	0.31	27.00	PK	46.00	19.00	Horizontal
6	966.016	26.59	3.32	29.91	PK	54.00	24.09	Horizontal

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	156.2262	-14.18	20.07	43.50	23.43
2	487.3273	-3.95	24.23	46.00	21.77
3	590.2503	-0.76	24.95	46.00	21.05
4	616.4665	-1.20	25.19	46.00	20.81
5	732.012	0.31	26.00	46.00	20.00
6	966.016	3.32	28.59	54.00	25.41

Test mode: 802.11n(VHT20) Frequency(MHz): 5580

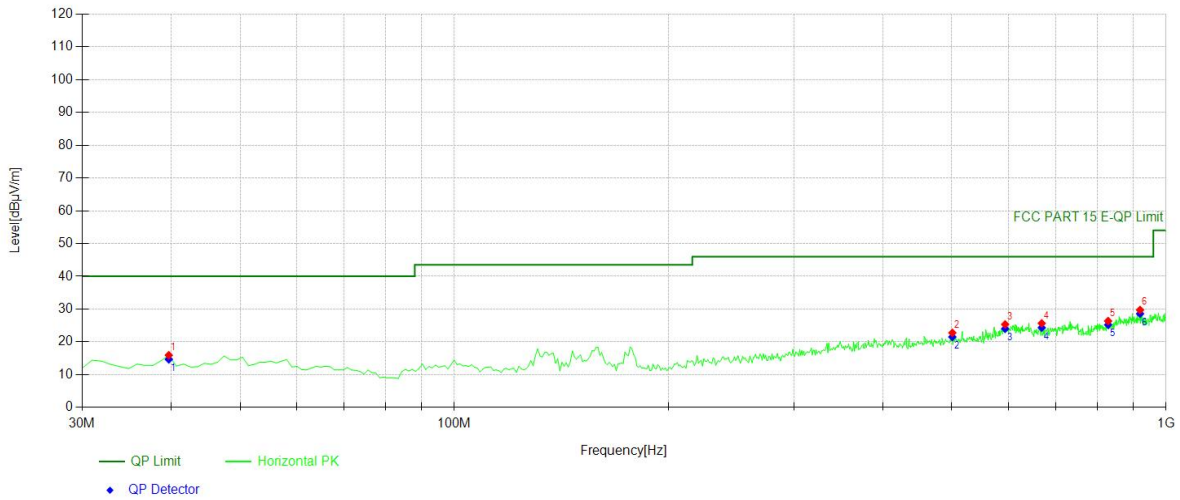


Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	30.971	29.97	-13.63	16.34	PK	40.00	23.66	Vertical
2	488.2983	25.70	-3.95	21.75	PK	46.00	24.25	Vertical
3	591.2212	25.98	-0.71	25.27	PK	46.00	20.73	Vertical
4	691.2312	26.95	-0.59	26.36	PK	46.00	19.64	Vertical
5	834.9349	25.66	0.93	26.59	PK	46.00	19.41	Vertical
6	916.4965	26.98	2.78	29.76	PK	46.00	16.24	Vertical

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	30.971	-13.63	15.30	40.00	24.70
2	488.2983	-3.95	20.71	46.00	25.29
3	591.2212	-0.71	23.91	46.00	22.09
4	691.2312	-0.59	25.00	46.00	21.00
5	834.9349	0.93	25.15	46.00	20.85
6	916.4965	2.78	28.32	46.00	17.68



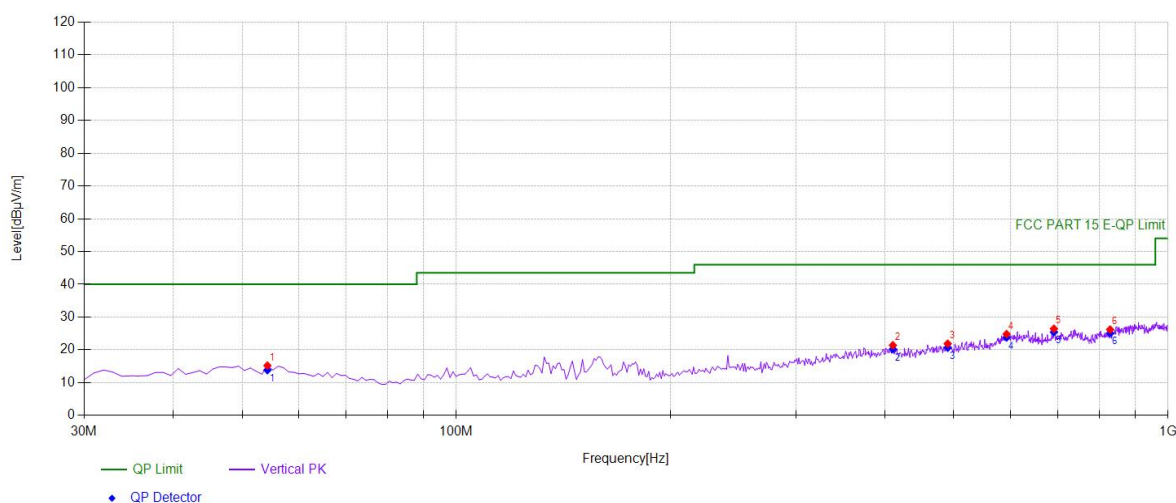
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	39.7097	28.25	-12.31	15.94	PK	40.00	24.06	Horizontal
2	500.9209	26.85	-4.08	22.77	PK	46.00	23.23	Horizontal
3	594.1341	25.90	-0.56	25.34	PK	46.00	20.66	Horizontal
4	668.8989	26.77	-1.10	25.67	PK	46.00	20.33	Horizontal
5	829.1091	25.50	0.87	26.37	PK	46.00	19.63	Horizontal
6	919.4094	26.98	2.76	29.74	PK	46.00	16.26	Horizontal

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	39.7097	-12.31	14.68	40.00	25.32
2	500.9209	-4.08	21.51	46.00	24.49
3	594.1341	-0.56	24.00	46.00	22.00
4	668.8989	-1.10	24.33	46.00	21.67
5	829.1091	0.87	25.21	46.00	20.79
6	919.4094	2.76	28.58	46.00	17.42

Test mode: 802.11n(VHT20) Frequency(MHz): 5700

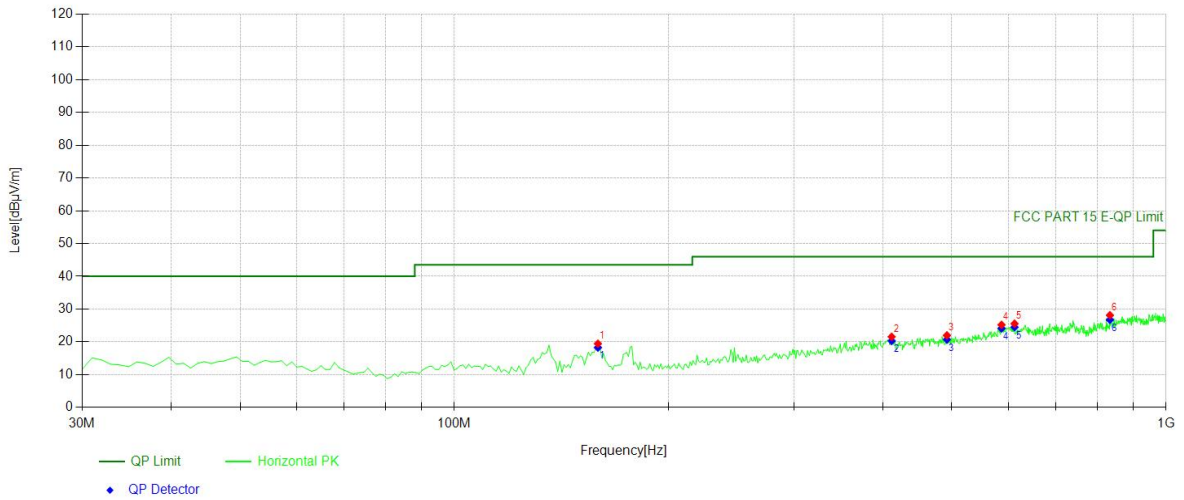


Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	54.2743	26.45	-11.23	15.22	PK	40.00	24.78	Vertical
2	410.6206	27.29	-5.87	21.42	PK	46.00	24.58	Vertical
3	490.2402	25.84	-3.95	21.89	PK	46.00	24.11	Vertical
4	593.1632	25.43	-0.61	24.82	PK	46.00	21.18	Vertical
5	691.2312	27.05	-0.59	26.46	PK	46.00	19.54	Vertical
6	829.1091	25.34	0.87	26.21	PK	46.00	19.79	Vertical

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	54.2743	-11.23	13.84	40.00	26.16
2	410.6206	-5.87	20.22	46.00	25.78
3	490.2402	-3.95	20.69	46.00	25.31
4	593.1632	-0.61	23.80	46.00	22.20
5	691.2312	-0.59	25.44	46.00	20.56
6	829.1091	0.87	25.11	46.00	20.89



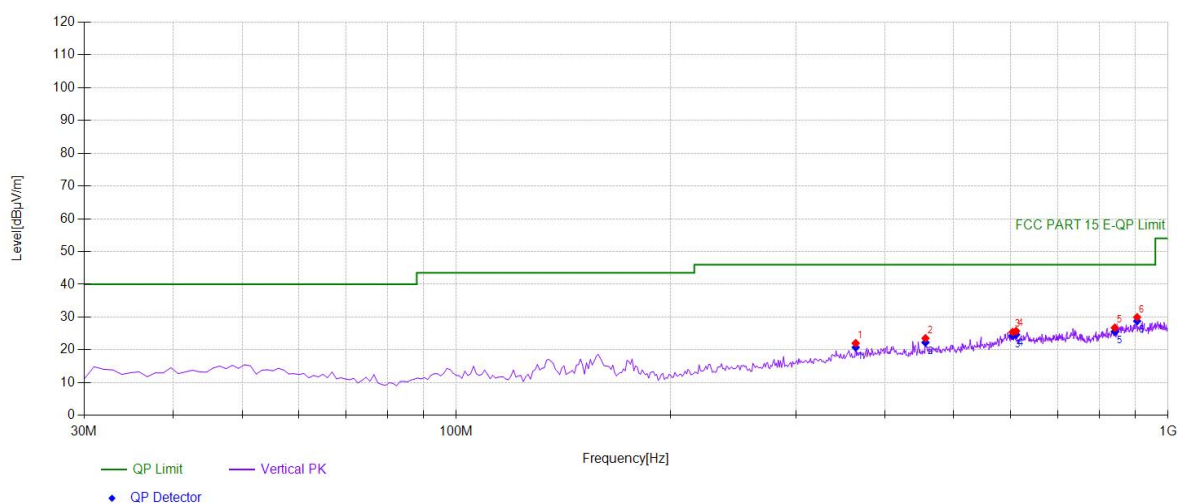
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	159.1391	33.58	-14.13	19.45	PK	43.50	24.05	Horizontal
2	411.5916	27.46	-5.89	21.57	PK	46.00	24.43	Horizontal
3	492.1822	25.97	-3.98	21.99	PK	46.00	24.01	Horizontal
4	587.3373	26.14	-0.94	25.20	PK	46.00	20.80	Horizontal
5	612.5826	26.55	-0.99	25.56	PK	46.00	20.44	Horizontal
6	833.964	27.21	0.92	28.13	PK	46.00	17.87	Horizontal

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	159.1391	-14.13	18.28	43.50	25.22
2	411.5916	-5.89	20.31	46.00	25.69
3	492.1822	-3.98	20.73	46.00	25.27
4	587.3373	-0.94	24.12	46.00	21.88
5	612.5826	-0.99	24.48	46.00	21.52
6	833.964	0.92	26.73	46.00	19.27

Test mode: 802.11n(VHT20) Frequency(MHz): 5745

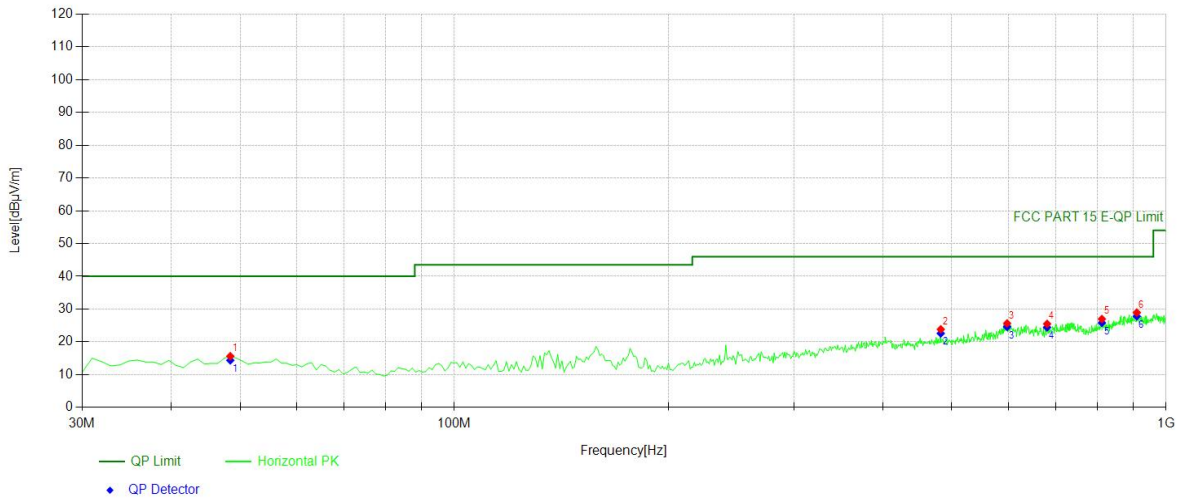


Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	364.014	28.52	-6.48	22.04	PK	46.00	23.96	Vertical
2	456.2563	28.07	-4.52	23.55	PK	46.00	22.45	Vertical
3	604.8148	26.00	-0.56	25.44	PK	46.00	20.56	Vertical
4	611.6116	26.71	-0.95	25.76	PK	46.00	20.24	Vertical
5	841.7317	25.68	1.07	26.75	PK	46.00	19.25	Vertical
6	904.8448	27.30	2.67	29.97	PK	46.00	16.03	Vertical

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	364.014	-6.48	20.76	46.00	25.24
2	456.2563	-4.52	22.27	46.00	23.73
3	604.8148	-0.56	24.34	46.00	21.66
4	611.6116	-0.95	24.66	46.00	21.34
5	841.7317	1.07	25.57	46.00	20.43
6	904.8448	2.67	28.79	46.00	17.21



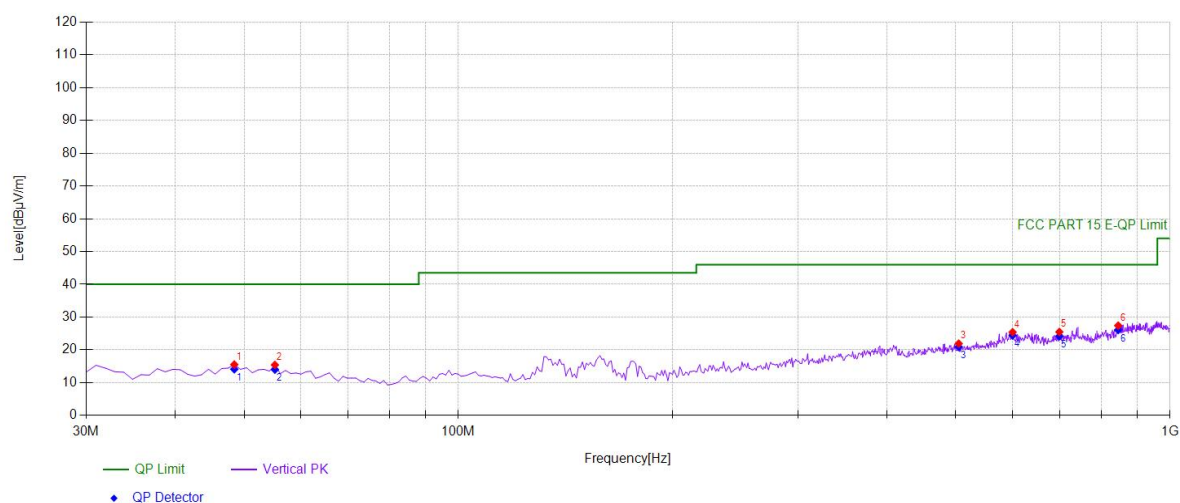
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	48.4484	26.53	-10.90	15.63	PK	40.00	24.37	Horizontal
2	482.4725	27.80	-3.96	23.84	PK	46.00	22.16	Horizontal
3	598.018	26.03	-0.37	25.66	PK	46.00	20.34	Horizontal
4	680.5506	26.51	-1.01	25.50	PK	46.00	20.50	Horizontal
5	812.6026	26.20	0.77	26.97	PK	46.00	19.03	Horizontal
6	909.6997	26.14	2.81	28.95	PK	46.00	17.05	Horizontal

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	48.4484	-10.90	14.38	40.00	25.62
2	482.4725	-3.96	22.59	46.00	23.41
3	598.018	-0.37	24.59	46.00	21.41
4	680.5506	-1.01	24.43	46.00	21.57
5	812.6026	0.77	25.82	46.00	20.18
6	909.6997	2.81	27.80	46.00	18.20

Test mode: 802.11n(VHT20) Frequency(MHz): 5785

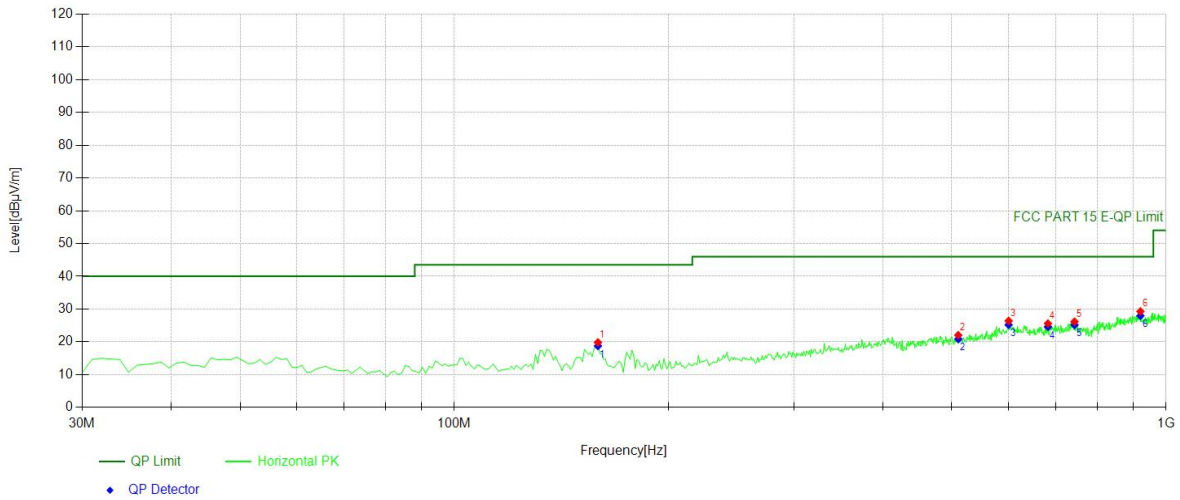


Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	48.4484	26.44	-10.90	15.54	PK	40.00	24.46	Vertical
2	55.2452	26.79	-11.37	15.42	PK	40.00	24.58	Vertical
3	504.8048	25.95	-4.03	21.92	PK	46.00	24.08	Vertical
4	600.9309	25.74	-0.33	25.41	PK	46.00	20.59	Vertical
5	698.999	25.76	-0.28	25.48	PK	46.00	20.52	Vertical
6	845.6156	26.15	1.27	27.42	PK	46.00	18.58	Vertical

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	48.4484	-10.90	14.12	40.00	25.88
2	55.2452	-11.37	14.00	40.00	26.00
3	504.8048	-4.03	20.92	46.00	25.08
4	600.9309	-0.33	24.41	46.00	21.59
5	698.999	-0.28	24.16	46.00	21.84
6	845.6156	1.27	26.10	46.00	19.90



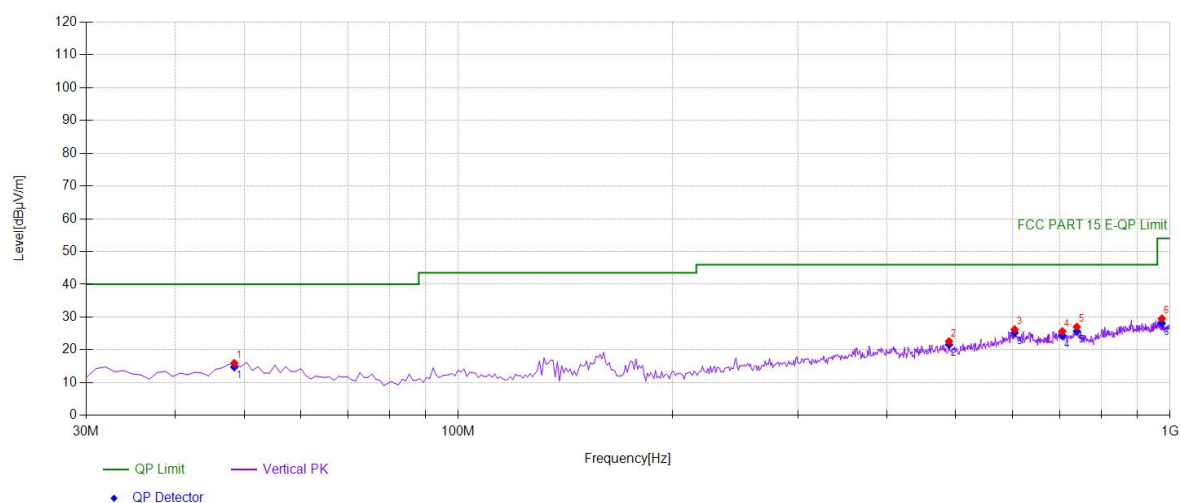
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	159.1391	33.98	-14.13	19.85	PK	43.50	23.65	Horizontal
2	510.6306	26.02	-3.97	22.05	PK	46.00	23.95	Horizontal
3	600.9309	26.73	-0.33	26.40	PK	46.00	19.60	Horizontal
4	682.4925	26.54	-0.94	25.60	PK	46.00	20.40	Horizontal
5	743.6637	25.94	0.24	26.18	PK	46.00	19.82	Horizontal
6	920.3804	26.54	2.75	29.29	PK	46.00	16.71	Horizontal

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	159.1391	-14.13	18.75	43.50	24.75
2	510.6306	-3.97	20.86	46.00	25.14
3	600.9309	-0.33	25.21	46.00	20.79
4	682.4925	-0.94	24.59	46.00	21.41
5	743.6637	0.24	25.17	46.00	20.83
6	920.3804	2.75	27.96	46.00	18.04

Test mode: 802.11n(VHT20) Frequency(MHz): 5825

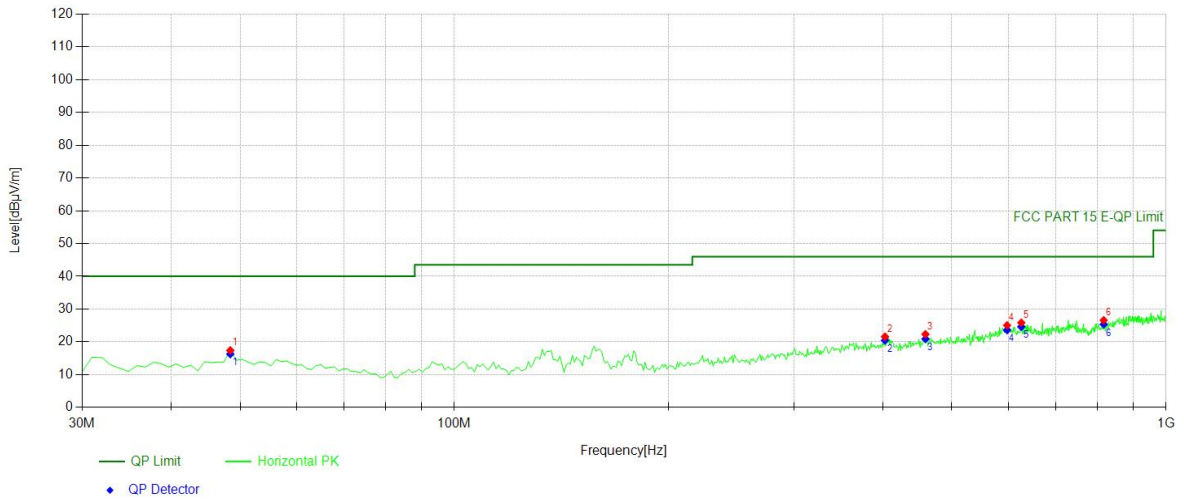


Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	48.4484	26.86	-10.90	15.96	PK	40.00	24.04	Vertical
2	489.2693	26.55	-3.95	22.60	PK	46.00	23.40	Vertical
3	604.8148	26.80	-0.56	26.24	PK	46.00	19.76	Vertical
4	705.7958	25.89	-0.22	25.67	PK	46.00	20.33	Vertical
5	739.7798	26.52	0.49	27.01	PK	46.00	18.99	Vertical
6	973.7838	26.44	3.11	29.55	PK	54.00	24.45	Vertical

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	48.4484	-10.90	14.77	40.00	25.23
2	489.2693	-3.95	21.59	46.00	24.41
3	604.8148	-0.56	25.23	46.00	20.77
4	705.7958	-0.22	24.34	46.00	21.66
5	739.7798	0.49	25.68	46.00	20.32
6	973.7838	3.11	28.14	54.00	25.86



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	48.4484	28.31	-10.90	17.41	PK	40.00	22.59	Horizontal
2	402.8529	27.22	-5.64	21.58	PK	46.00	24.42	Horizontal
3	459.1692	26.75	-4.41	22.34	PK	46.00	23.66	Horizontal
4	598.018	25.43	-0.37	25.06	PK	46.00	20.94	Horizontal
5	626.1762	27.17	-1.30	25.87	PK	46.00	20.13	Horizontal
6	817.4575	25.80	0.81	26.61	PK	46.00	19.39	Horizontal

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	48.4484	-10.90	16.29	40.00	23.71
2	402.8529	-5.64	20.46	46.00	25.54
3	459.1692	-4.41	20.90	46.00	25.10
4	598.018	-0.37	23.62	46.00	22.38
5	626.1762	-1.30	24.61	46.00	21.39
6	817.4575	0.81	25.35	46.00	20.65

8.5 POWER LINE CONDUCTED EMISSIONS

8.5.1 Applicable Standard

According to FCC Part 15.207(a)

8.5.2 Conformance Limit

Frequency(MHz)	Conducted Emission Limit	
	Quasi-peak	Average
0.15-0.5	66-56	56-46
0.5-5.0	56	46
5.0-30.0	60	50

Note: 1. The lower limit shall apply at the transition frequencies

2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

8.5.3 Test Configuration

Test according to clause 6.3 conducted emission test setup

8.5.4 Test Procedure

The EUT was placed on a table which is 0.8m above ground plane.

Maximum procedure was performed on the highest emissions to ensure EUT compliance.

Repeat above procedures until all frequency measured were complete.

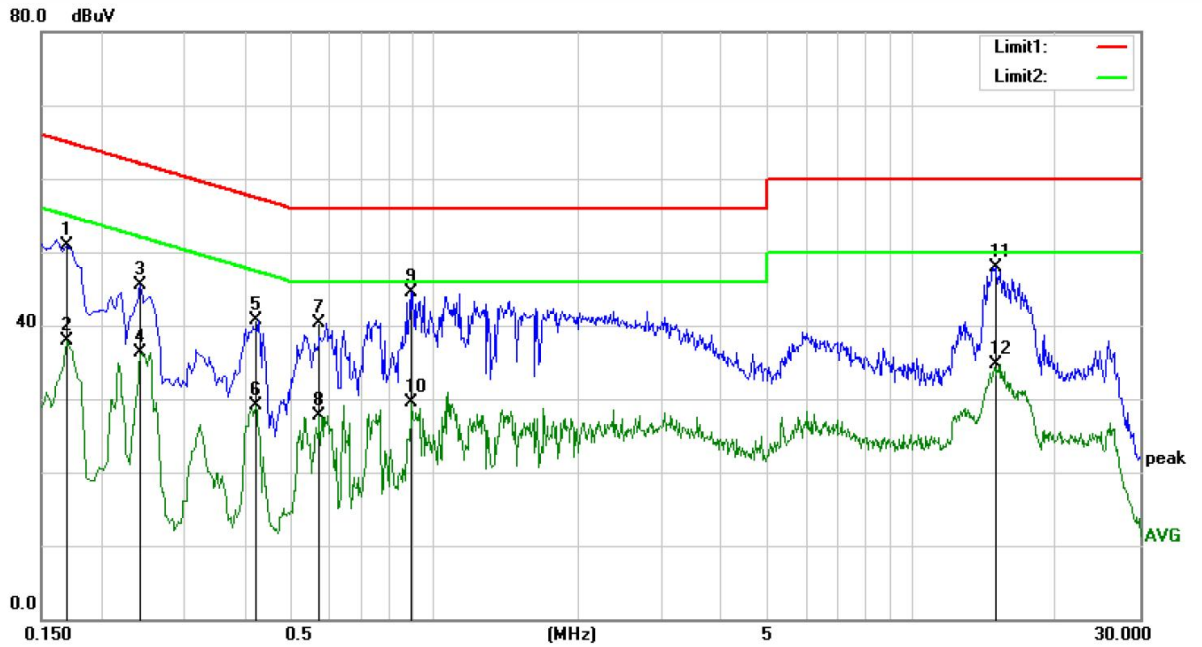
8.5.5 Test Results

Temperature : 25.1℃
Humidity : 45 %

ATM Pressure:: 1011 mbar
Test Engineer: XZC

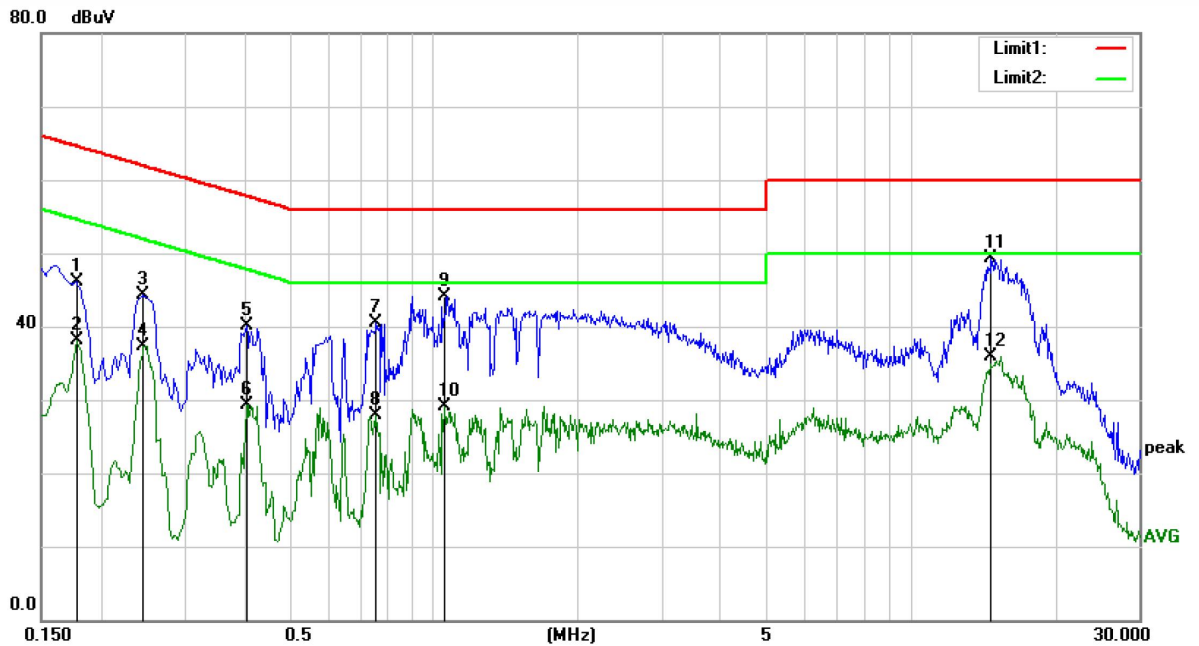
Pass

The all voltage have been tested, and the worst result recorded was report as below.



Site Conduction #1 Phase: **N** Temperature: 21.9
Limit: (CE)FCC PART 15 class B_QP Power: AC 120V/60Hz Humidity: 65 %

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1700	31.60	19.24	50.84	64.96	-14.12	QP	
2		0.1700	18.66	19.24	37.90	54.96	-17.06	AVG	
3		0.2420	26.37	19.17	45.54	62.03	-16.49	QP	
4		0.2420	17.14	19.17	36.31	52.03	-15.72	AVG	
5		0.4220	21.64	18.97	40.61	57.41	-16.80	QP	
6		0.4220	10.07	18.97	29.04	47.41	-18.37	AVG	
7		0.5740	21.33	18.89	40.22	56.00	-15.78	QP	
8		0.5740	8.87	18.89	27.76	46.00	-18.24	AVG	
9	*	0.8900	25.50	18.96	44.46	56.00	-11.54	QP	
10		0.8900	10.46	18.96	29.42	46.00	-16.58	AVG	
11		14.9460	28.42	19.49	47.91	60.00	-12.09	QP	
12		14.9460	15.16	19.49	34.65	50.00	-15.35	AVG	



Site Conduction #1 Phase: **L1** Temperature: 21.9
Limit: (CE)FCC PART 15 class B_QP Power: AC 120V/60Hz Humidity: 65 %

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1780	26.89	19.25	46.14	64.58	-18.44	QP	
2		0.1780	18.88	19.25	38.13	54.58	-16.45	AVG	
3		0.2460	25.08	19.16	44.24	61.89	-17.65	QP	
4		0.2460	18.20	19.16	37.36	51.89	-14.53	AVG	
5		0.4060	21.13	18.94	40.07	57.73	-17.66	QP	
6		0.4060	10.41	18.94	29.35	47.73	-18.38	AVG	
7		0.7580	21.63	18.93	40.56	56.00	-15.44	QP	
8		0.7580	8.95	18.93	27.88	46.00	-18.12	AVG	
9		1.0540	25.19	18.93	44.12	56.00	-11.88	QP	
10		1.0540	10.26	18.93	29.19	46.00	-16.81	AVG	
11	*	14.7340	29.79	19.48	49.27	60.00	-10.73	QP	
12		14.7340	16.33	19.48	35.81	50.00	-14.19	AVG	

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1780	26.89	19.25	46.14	64.58	-18.44	QP	
2		0.1780	18.88	19.25	38.13	54.58	-16.45	AVG	
3		0.2460	25.08	19.16	44.24	61.89	-17.65	QP	
4		0.2460	18.20	19.16	37.36	51.89	-14.53	AVG	
5		0.4060	21.13	18.94	40.07	57.73	-17.66	QP	
6		0.4060	10.41	18.94	29.35	47.73	-18.38	AVG	
7		0.7580	21.63	18.93	40.56	56.00	-15.44	QP	
8		0.7580	8.95	18.93	27.88	46.00	-18.12	AVG	
9		1.0540	25.19	18.93	44.12	56.00	-11.88	QP	
10		1.0540	10.26	18.93	29.19	46.00	-16.81	AVG	
11	*	14.7340	29.79	19.48	49.27	60.00	-10.73	QP	
12		14.7340	16.33	19.48	35.81	50.00	-14.19	AVG	

8.6 ANTENNA APPLICATION

8.6.1 Antenna Requirement

Standard	Requirement
FCC CRF Part 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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. 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.
FCC 47 CFR Part 15.247 (b)	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.
RSS-Gen Section 6.8	The applicant for equipment certification shall provide a list of all antenna types that may be used with the transmitter, where applicable (i.e. for transmitters with detachable antenna), indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna. The test report shall demonstrate the compliance of the transmitter with the limit for maximum equivalent isotropically radiated power (e.i.r.p.) specified in the applicable RSS, when the transmitter is equipped with any antenna type, selected from this list.
RSS-247 Section 5.4	If the transmitter employs an antenna system that emits multiple directional beams, but does not emit multiple directional beams simultaneously, the total output power conducted to the array or arrays that comprise the device (i.e. the sum of the power supplied to all antennas, antenna elements, staves, etc., and summed across all carriers or frequency channels) shall not exceed the applicable output power limit. However, the total conducted output power shall be reduced by 1 dB below the specified limits for each 3 dB that the directional gain of the antenna/antenna array exceeds 6 dBi. The directional antenna gain shall be computed as the sum of 10 log (number of array elements or staves) plus the directional gain of the element or stave having the highest gain.

8.6.2 Result

PASS

- Note:
- ☒ Antenna use a permanently attached antenna which is not replaceable.
 - ☐ Not using a standard antenna jack or electrical connector for antenna replacement
 - ☐ The antenna has to be professionally installed (please provide method of installation)

Please refer to the attached document Internal Photos to show the antenna connector.

--- End of Report ---

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