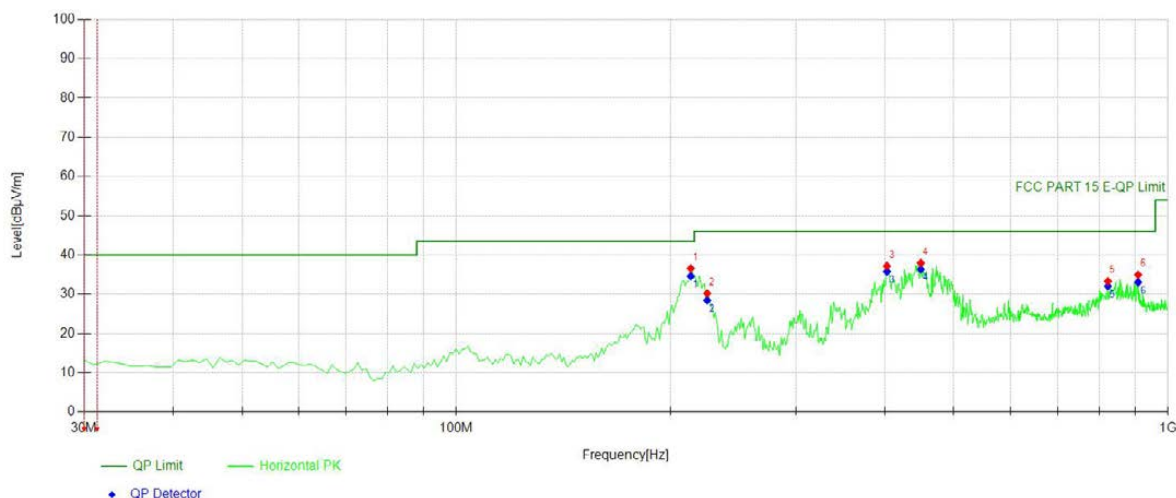




Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	213.513	53.71	-17.12	36.59	PK	43.50	6.91	Horizontal
2	225.165	46.84	-16.61	30.23	PK	46.00	15.77	Horizontal
3	402.852	48.98	-11.79	37.19	PK	46.00	8.81	Horizontal
4	449.459	49.07	-11.13	37.94	PK	46.00	8.06	Horizontal
5	823.283	37.51	-4.23	33.28	PK	46.00	12.72	Horizontal
6	907.757	37.76	-2.83	34.93	PK	46.00	11.07	Horizontal

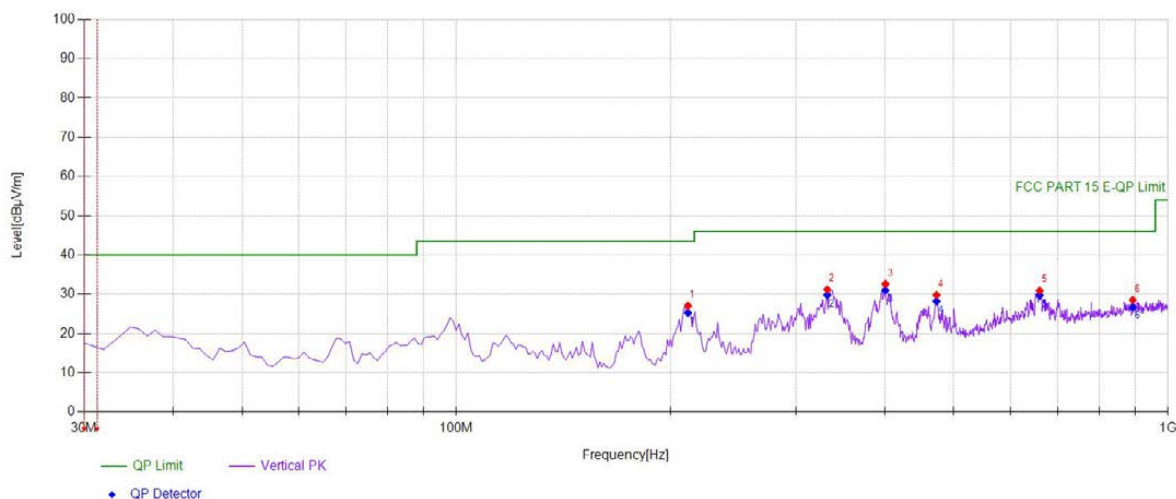
Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	213.5135	-17.12	34.60	43.50	8.90
2	225.1652	-16.61	28.44	46.00	17.56
3	402.8529	-11.79	35.76	46.00	10.24
4	449.4595	-11.13	36.35	46.00	9.65
5	823.2833	-4.23	32.04	46.00	13.96
6	907.7578	-2.83	33.05	46.00	12.95

U-NII 8 Band (6875 ~ 7125MHz)

Test mode: 802.11n(20)

Frequency(MHz): 6995

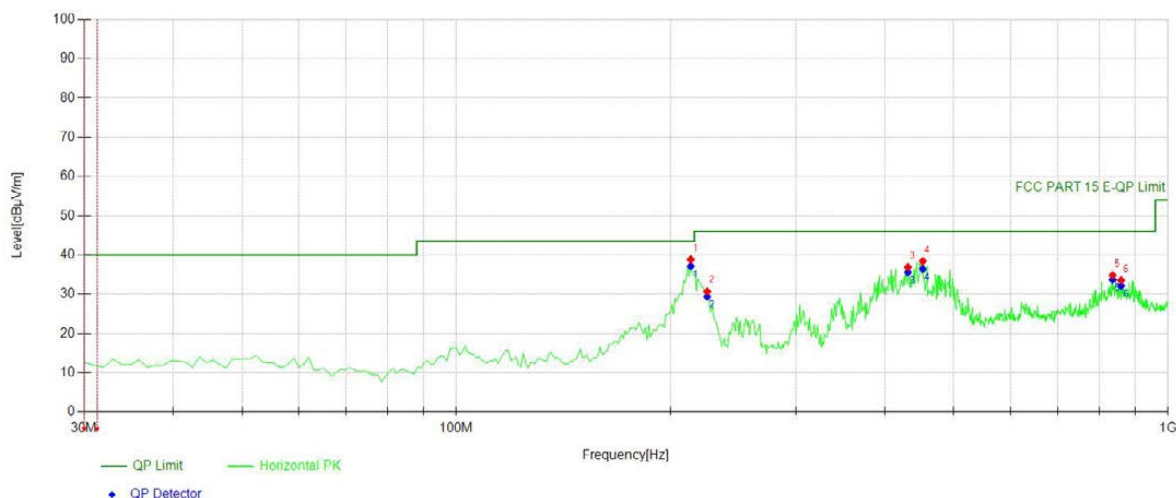


Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	211.571	44.20	-17.13	27.07	PK	43.50	16.43	Vertical
2	331.972	44.92	-13.70	31.22	PK	46.00	14.78	Vertical
3	400.910	44.39	-11.79	32.60	PK	46.00	13.40	Vertical
4	472.762	40.04	-10.24	29.80	PK	46.00	16.20	Vertical
5	660.160	37.06	-6.13	30.93	PK	46.00	15.07	Vertical
6	892.222	31.41	-2.86	28.55	PK	46.00	17.45	Vertical

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	211.5716	-17.13	25.28	43.50	18.22
2	331.972	-13.70	29.79	46.00	16.21
3	400.9109	-11.79	31.01	46.00	14.99
4	472.7628	-10.24	28.21	46.00	17.79
5	660.1602	-6.13	29.70	46.00	16.30
6	892.2222	-2.86	26.68	46.00	19.32



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	213.513	55.96	-17.12	38.84	PK	43.50	4.66	Horizontal
2	225.165	47.32	-16.61	30.71	PK	46.00	15.29	Horizontal
3	431.011	48.34	-11.42	36.92	PK	46.00	9.08	Horizontal
4	452.372	49.51	-11.11	38.40	PK	46.00	7.60	Horizontal
5	835.905	38.80	-3.96	34.84	PK	46.00	11.16	Horizontal
6	859.209	37.36	-3.81	33.55	PK	46.00	12.45	Horizontal

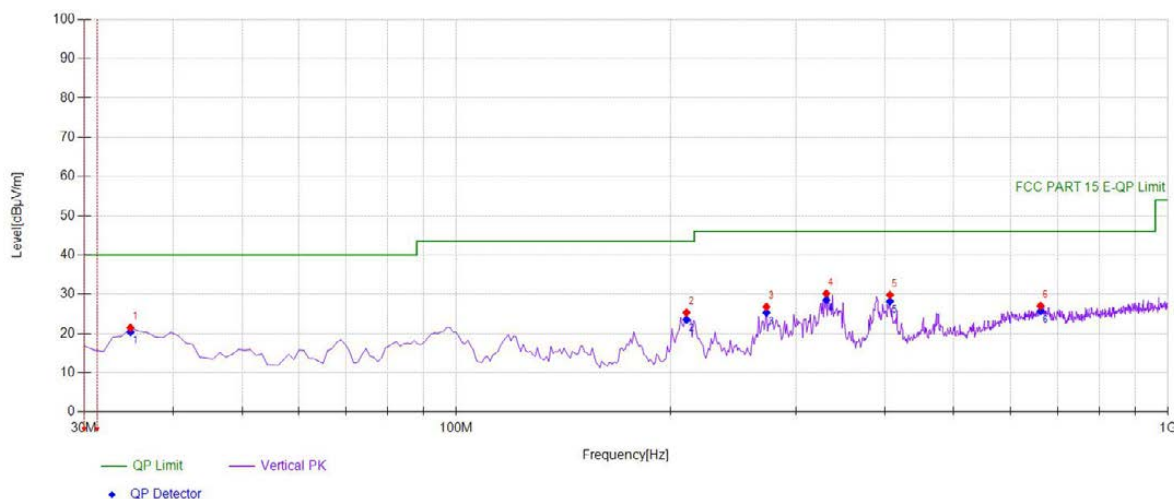
Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	213.5135	-17.12	37.16	43.50	6.34
2	225.1652	-16.61	29.39	46.00	16.61
3	431.011	-11.42	35.60	46.00	10.40
4	452.3724	-11.11	36.44	46.00	9.56
5	835.9059	-3.96	33.71	46.00	12.29
6	859.2092	-3.81	32.14	46.00	13.86

U-NII 8 Band (6875 ~ 7125MHz)

Test mode: 802.11n(20)

Frequency(MHz): 7115

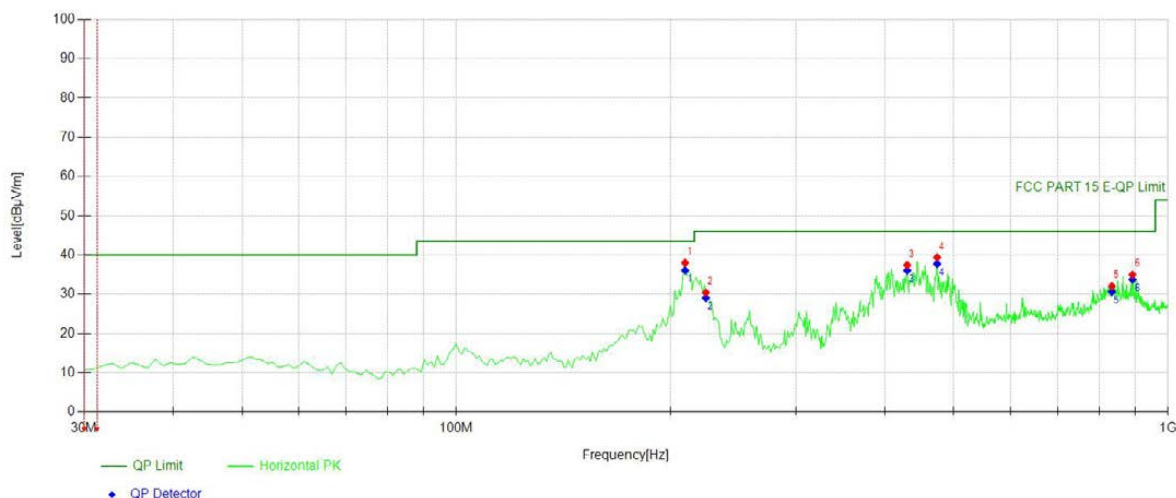


Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	34.8549	39.68	-18.23	21.45	PK	40.00	18.55	Vertical
2	210.600	42.49	-17.13	25.36	PK	43.50	18.14	Vertical
3	272.742	41.39	-14.60	26.79	PK	46.00	19.21	Vertical
4	331.001	43.92	-13.73	30.19	PK	46.00	15.81	Vertical
5	406.736	41.59	-11.78	29.81	PK	46.00	16.19	Vertical
6	662.102	33.16	-6.13	27.03	PK	46.00	18.97	Vertical

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	34.8549	-18.23	20.41	40.00	19.59
2	210.6006	-17.13	23.52	43.50	19.98
3	272.7427	-14.60	25.31	46.00	20.69
4	331.001	-13.73	28.54	46.00	17.46
5	406.7367	-11.78	28.16	46.00	17.84
6	662.1021	-6.13	25.74	46.00	20.26



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	209.629	55.14	-17.13	38.01	PK	43.50	5.49	Horizontal
2	224.194	47.10	-16.69	30.41	PK	46.00	15.59	Horizontal
3	430.04	48.86	-11.45	37.41	PK	46.00	8.59	Horizontal
4	473.733	49.54	-10.19	39.35	PK	46.00	6.65	Horizontal
5	833.964	36.07	-4.02	32.05	PK	46.00	13.95	Horizontal
6	891.251	37.85	-2.87	34.98	PK	46.00	11.02	Horizontal

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	209.6296	-17.13	36.09	43.50	7.41
2	224.1942	-16.69	29.04	46.00	16.96
3	430.04	-11.45	36.07	46.00	9.93
4	473.7337	-10.19	37.73	46.00	8.27
5	833.964	-4.02	30.62	46.00	15.38
6	891.2513	-2.87	33.75	46.00	12.25

All antennas and modulation modes are tested, the data of the worst mode is described in the table.

8.7 POWER LINE CONDUCTED EMISSIONS

8.7.1 Applicable Standard

According to FCC Part 15.207(a)

According to IC RSS-Gen 8.8

8.7.2 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.

8.7.3 Test Configuration

Test according to clause 7.3 conducted emission test setup.

8.7.4 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.

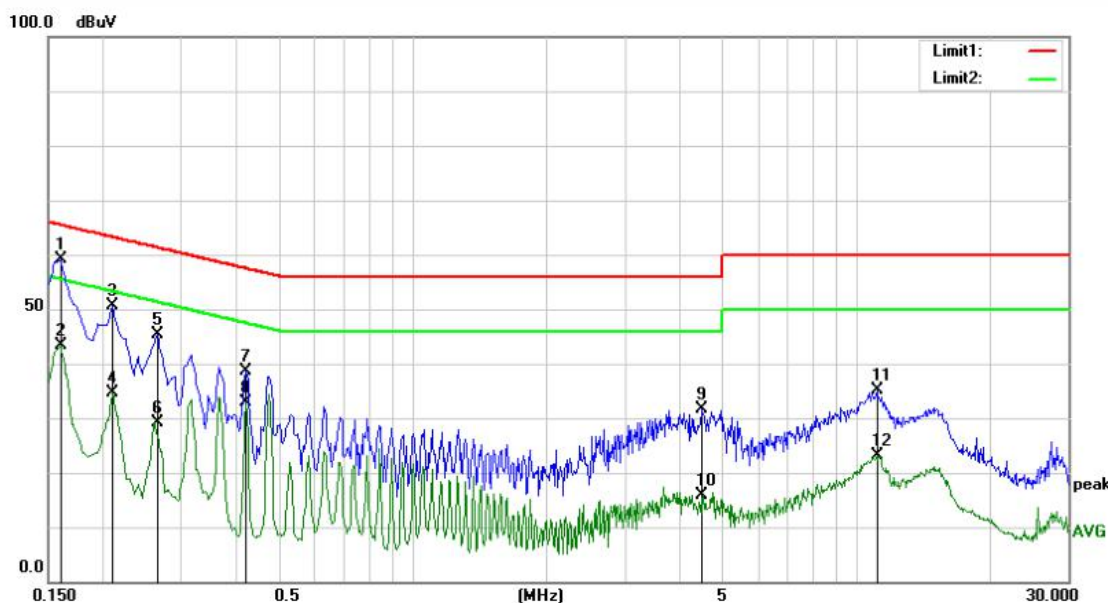
Repeat above procedures until all frequency measured were complete.

8.7.5 Test Results

PASS

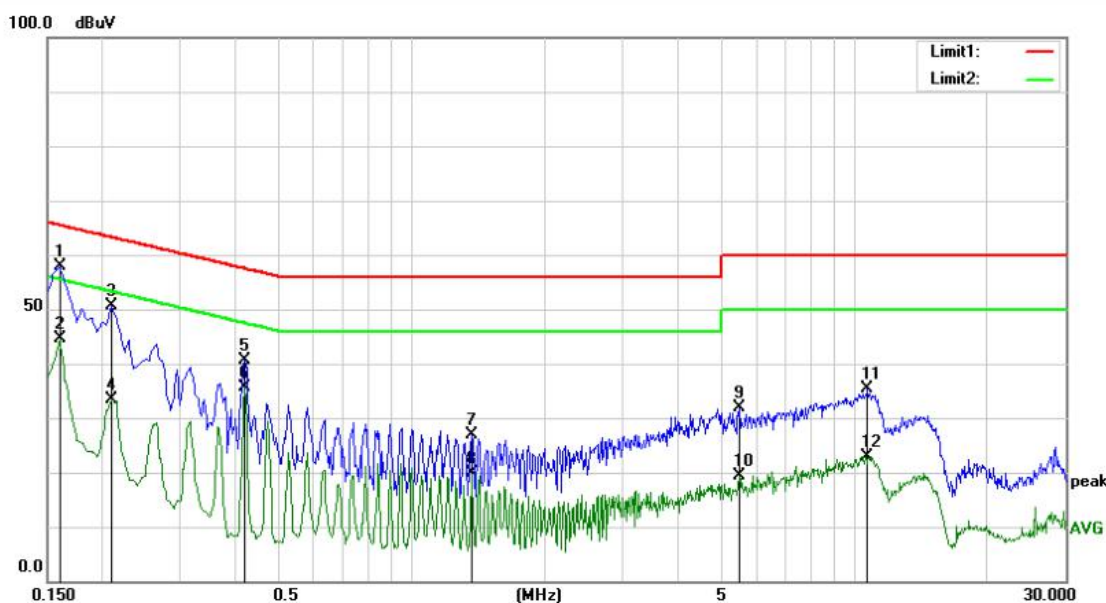
Temperature :	21.9°C	ATM Pressure:	1011 mbar
Humidity :	58 %	Test Engineer:	CSL

The AC120V &240V voltage have been tested, and the worst result of AC120V was report as below.



Site Conduction #1 Phase: **L1** Temperature: 21.9

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	*	0.1600	49.23	9.82	59.05	65.46	-6.41	QP	
2		0.1600	33.59	9.82	43.41	55.46	-12.05	AVG	
3		0.2100	40.51	10.00	50.51	63.21	-12.70	QP	
4		0.2100	24.53	10.00	34.53	53.21	-18.68	AVG	
5		0.2650	35.39	10.01	45.40	61.27	-15.87	QP	
6		0.2650	19.23	10.01	29.24	51.27	-22.03	AVG	
7		0.4200	28.65	9.86	38.51	57.45	-18.94	QP	
8		0.4200	22.95	9.86	32.81	47.45	-14.64	AVG	
9		4.4750	21.84	9.88	31.72	56.00	-24.28	QP	
10		4.4750	6.10	9.88	15.98	46.00	-30.02	AVG	
11		11.1300	25.08	10.00	35.08	60.00	-24.92	QP	
12		11.1300	13.08	10.00	23.08	50.00	-26.92	AVG	



Site Conduction #1

Phase: **N**

Temperature: 21.9

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	*	0.1600	48.05	9.82	57.87	65.46	-7.59	QP	
2		0.1600	34.73	9.82	44.55	55.46	-10.91	AVG	
3		0.2100	40.58	10.00	50.58	63.21	-12.63	QP	
4		0.2100	23.36	10.00	33.36	53.21	-19.85	AVG	
5		0.4200	30.65	9.86	40.51	57.45	-16.94	QP	
6		0.4200	25.73	9.86	35.59	47.45	-11.86	AVG	
7		1.3700	16.99	9.88	26.87	56.00	-29.13	QP	
8		1.3700	10.02	9.88	19.90	46.00	-26.10	AVG	
9		5.5050	21.97	9.91	31.88	60.00	-28.12	QP	
10		5.5050	9.41	9.91	19.32	50.00	-30.68	AVG	
11		10.7300	25.25	10.01	35.26	60.00	-24.74	QP	
12		10.7300	12.93	10.01	22.94	50.00	-27.06	AVG	

8.8 ANTENNA REQUIREMENT

8.8.1 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.
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.

8.8.2 Result

PASS

Temperature : 25°C ATM Pressure: 1011 mbar
Humidity : 60 % Test Engineer: XXH

The EUT is Integrated Antenna, antenna gain is Ant1: 4.53dBi, Ant2: 3.90dBi.

- ☒ 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.

Detail of factor for radiated emission

Frequency(MHz)	Ant_F(dB)	Cab_L(dB)	Preamp(dB)	Correct Factor(dB)
0.009	20.6	0.03	\	20.63
0.15	20.7	0.1	\	20.8
1	20.9	0.15	\	21.05
10	20.1	0.28	\	20.38
30	18.8	0.45	\	19.25
30	11.7	0.62	27.9	-15.58
100	12.5	1.02	27.8	-14.28
300	12.9	1.91	27.5	-12.69
600	19.2	2.92	27	-4.88
800	21.1	3.54	26.6	-1.96
1000	22.3	4.17	26.2	0.27
1000	25.6	1.76	41.4	-14.04
3000	28.9	3.27	43.2	-11.03
5000	31.1	4.2	44.6	-9.3
8000	36.2	5.95	44.7	-2.55
10000	38.4	6.3	43.9	0.8
12000	38.5	7.14	42.3	3.34
15000	40.2	8.15	41.4	6.95
18000	45.4	9.02	41.3	13.12
18000	37.9	1.81	47.9	-8.19
21000	37.9	1.95	48.7	-8.85
25000	39.3	2.01	42.8	-1.49
28000	39.6	2.16	46.0	-4.24
31000	41.2	2.24	44.5	-1.06
34000	41.5	2.29	46.6	-2.81
37000	43.8	2.30	46.4	-0.3
40000	43.2	2.50	42.2	3.5

--- End of Report ---

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