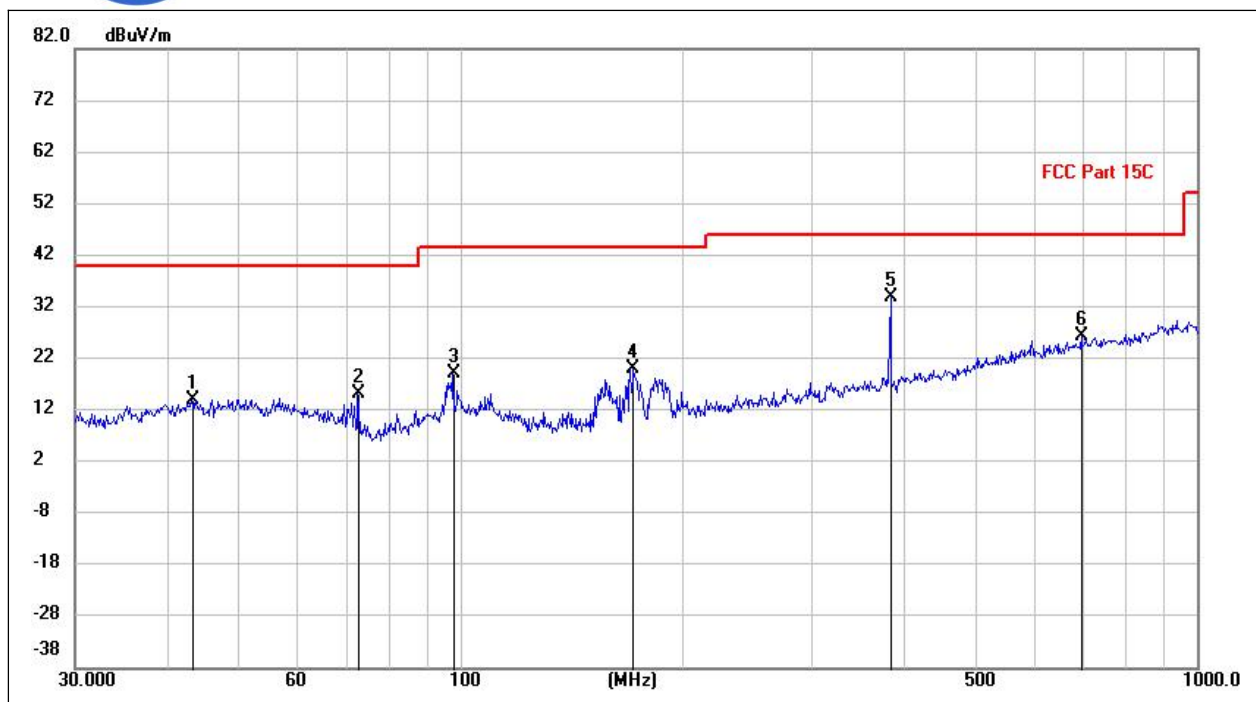
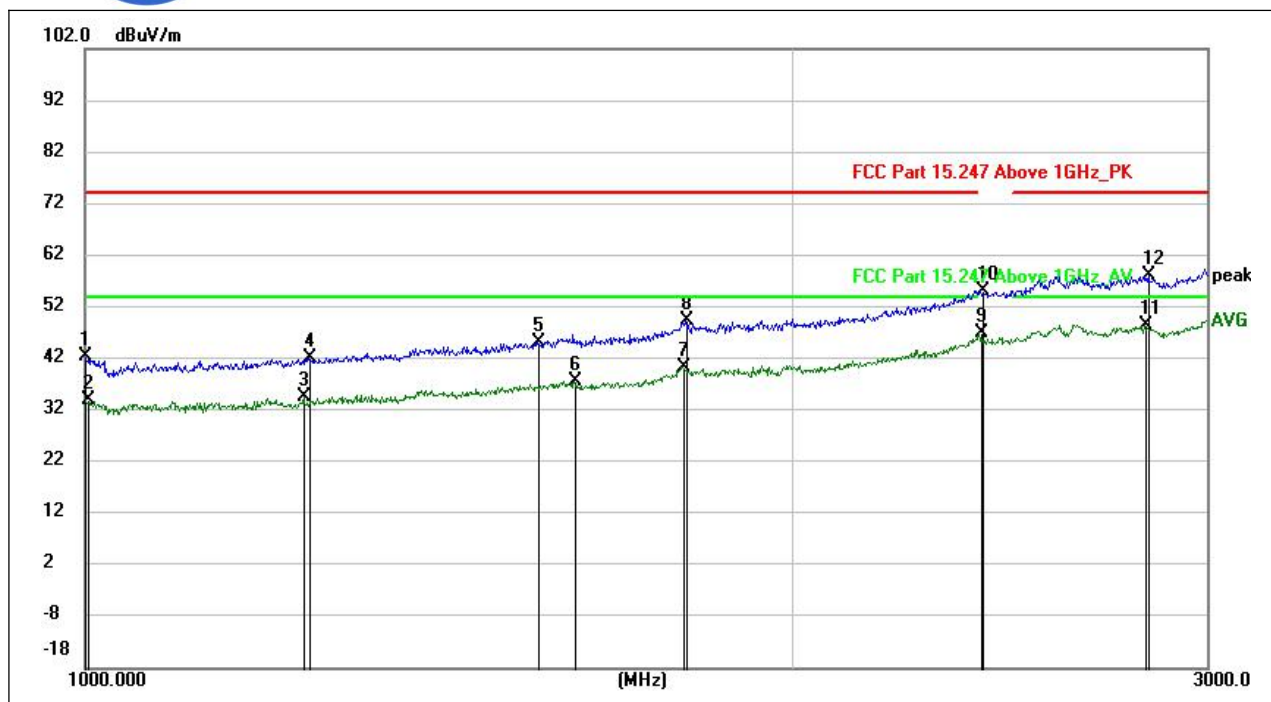




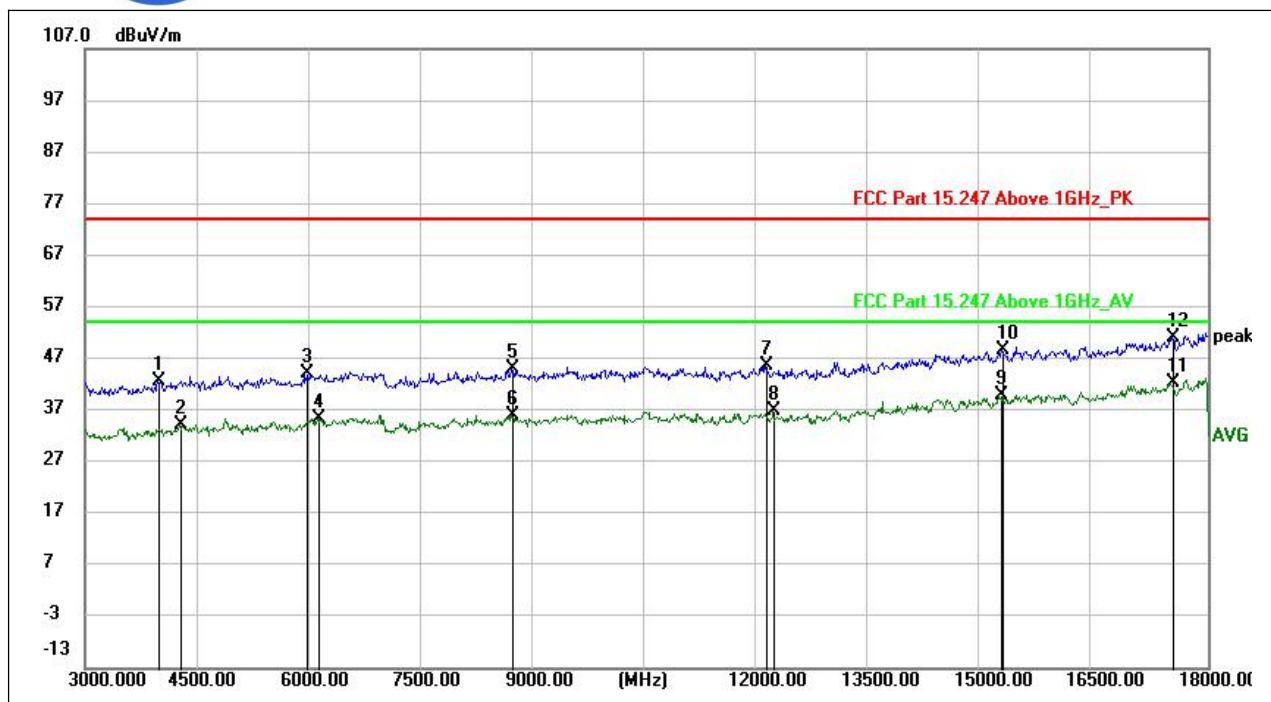
(802.11n_40M_2452MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
43.2851	14.01	---	40.00	25.99	H	15.25
72.6044	15.36	---	40.00	24.64	H	10.41
98.0387	19.20	---	43.50	24.30	H	13.58
171.9946	20.11	---	43.50	23.39	H	11.99
383.9991	33.84	---	46.00	12.16	H	18.74
698.4468	26.36	---	46.00	19.64	H	24.88



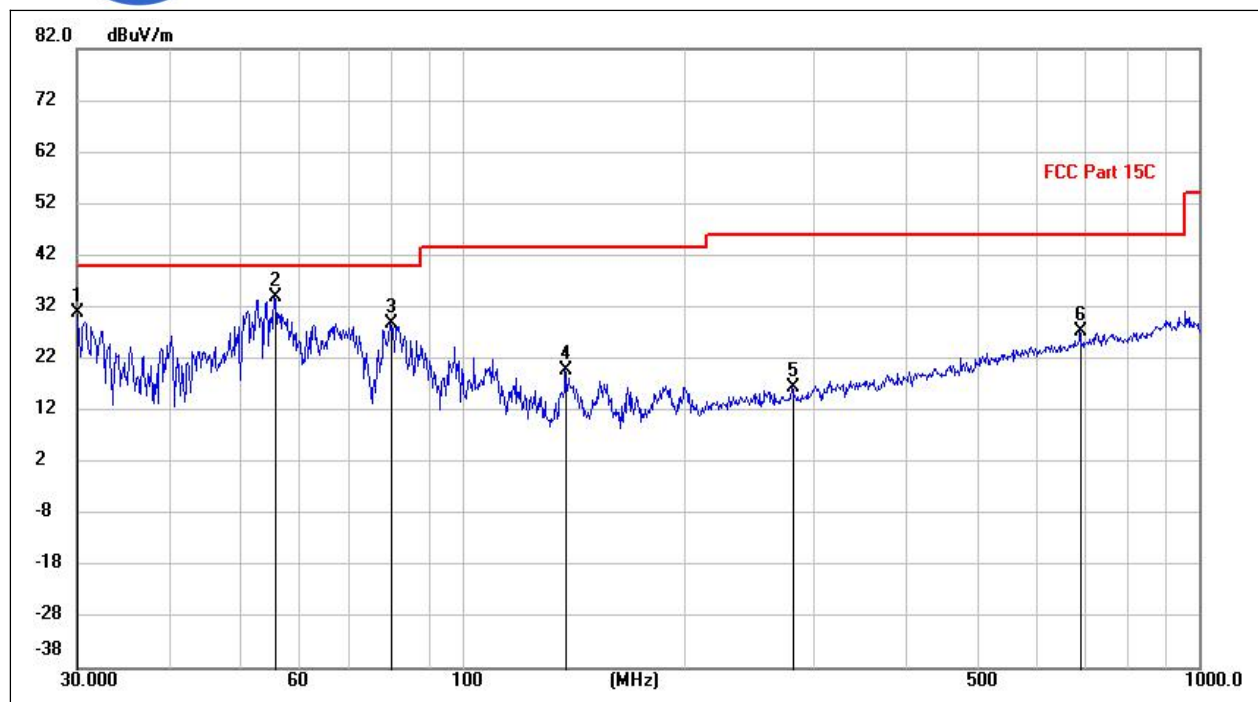
(802.11n_40M_2452MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1000.0000	42.44	---	74.00	31.56	H	30.26
1002.420	---	33.95	54.00	20.05	H	30.08
1239.860	---	34.53	54.00	19.47	H	31.27
1245.115	42.19	---	74.00	31.81	H	31.40
1559.108	45.07	---	74.00	28.93	H	34.48
1616.137	---	37.67	54.00	16.33	H	34.86
1797.379	---	40.23	54.00	13.77	H	37.79
1801.728	49.31	---	74.00	24.69	H	37.83
2404.127	---	46.85	N/A	N/A	H	43.48
2405.713	55.21	---	N/A	N/A	H	43.40
2825.338	---	48.52	54.00	5.48	H	44.61
2834.977	58.11	---	74.00	15.89	H	44.86



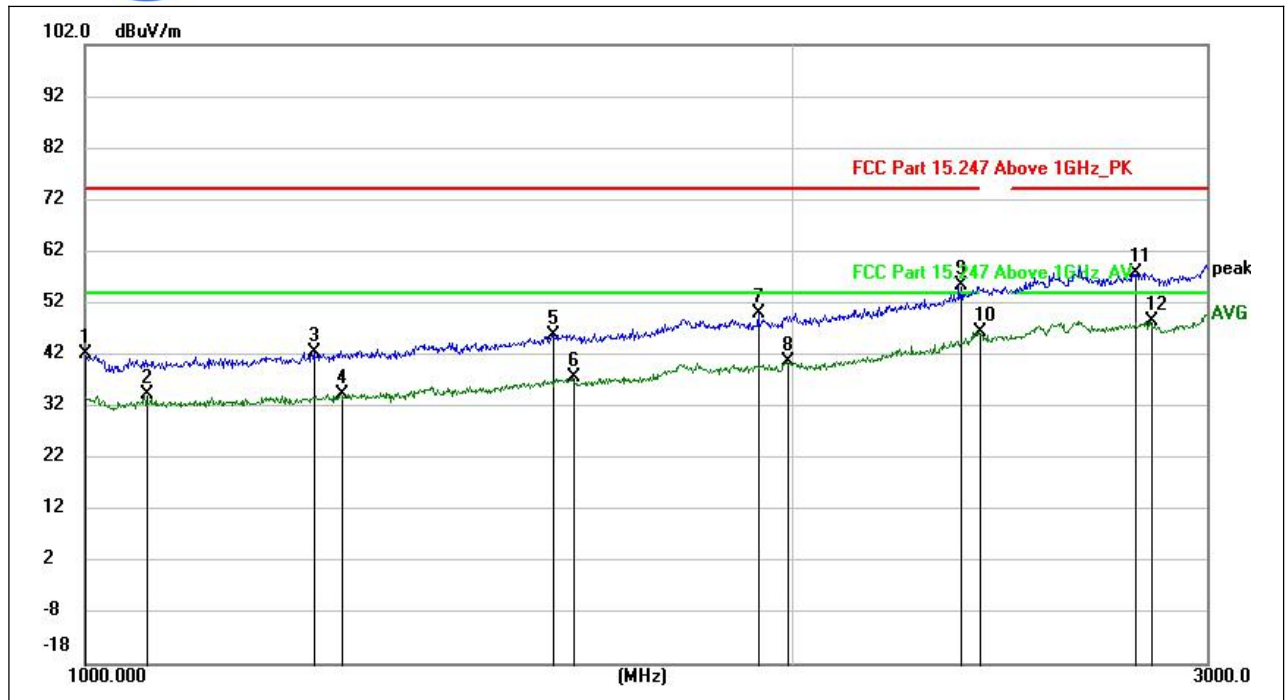
(802.11n_40M_2452MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
3990.000	42.62	---	74.00	31.38	H	-5.77
4278.750	---	34.15	54.00	19.85	H	-3.39
5965.500	44.11	---	74.00	29.89	H	-2.20
6121.500	---	35.37	54.00	18.63	H	-2.27
8703.750	44.94	---	74.00	29.06	H	1.35
8703.750	---	36.06	54.00	17.94	H	1.35
12096.000	45.58	---	74.00	28.42	H	4.00
12208.500	---	36.83	54.00	17.17	H	4.02
15228.000	---	39.91	54.00	14.09	H	9.73
15266.250	48.57	---	74.00	25.43	H	9.91
17528.250	---	42.31	54.00	11.69	H	13.83
17533.500	51.00	---	74.00	23.00	H	13.74



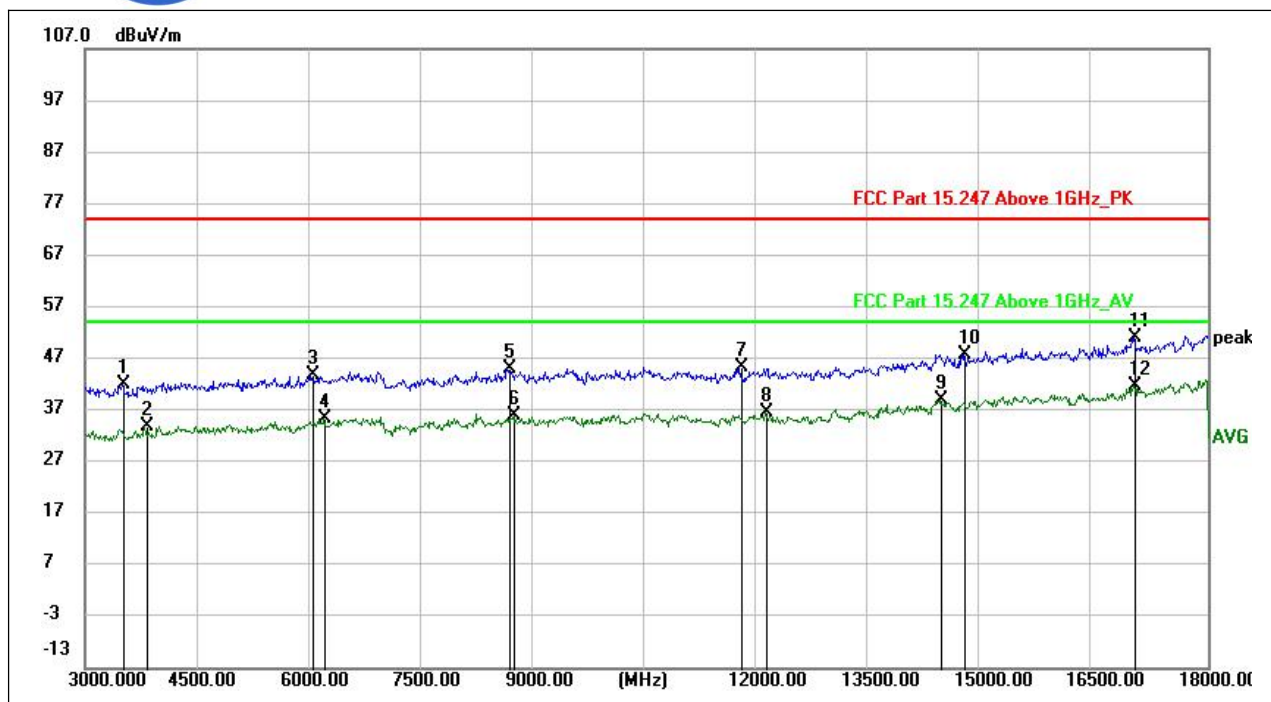
(802.11n_40M_2452MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
30.0000	31.02	---	40.00	8.98	V	13.90
55.7949	33.89	---	40.00	6.11	V	14.91
80.0385	28.76	---	40.00	11.24	V	10.96
138.1692	19.88	---	43.50	23.62	V	11.57
280.4169	16.41	---	46.00	29.59	V	16.67
690.1692	27.16	---	46.00	18.84	V	24.84



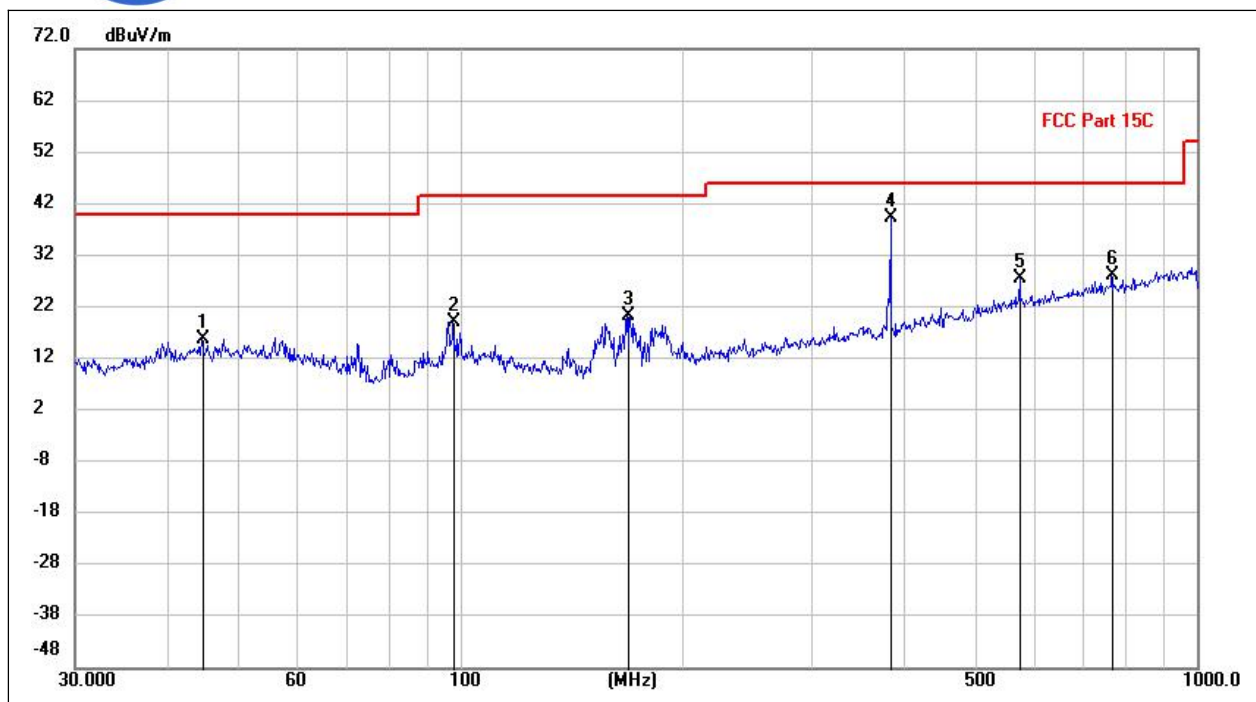
(802.11n_40M_2452MHz, Antenna Vertical , 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB/m)
1000.0000	42.11	---	74.00	31.89	V	30.26
1061.412	---	34.21	54.00	19.79	V	29.95
1252.180	42.40	---	74.00	31.60	V	31.61
1285.352	---	34.37	54.00	19.63	V	31.94
1579.712	45.89	---	74.00	28.11	V	34.78
1612.855	---	37.57	54.00	16.43	V	35.04
1933.607	49.86	---	74.00	24.14	V	37.35
1990.837	---	40.62	54.00	13.38	V	38.07
2356.923	55.31	---	74.00	18.69	V	41.94
2402.411	---	46.34	N/A	N/A	V	43.57
2794.469	57.78	---	74.00	16.22	V	45.66
2841.681	---	48.37	54.00	5.63	V	44.91



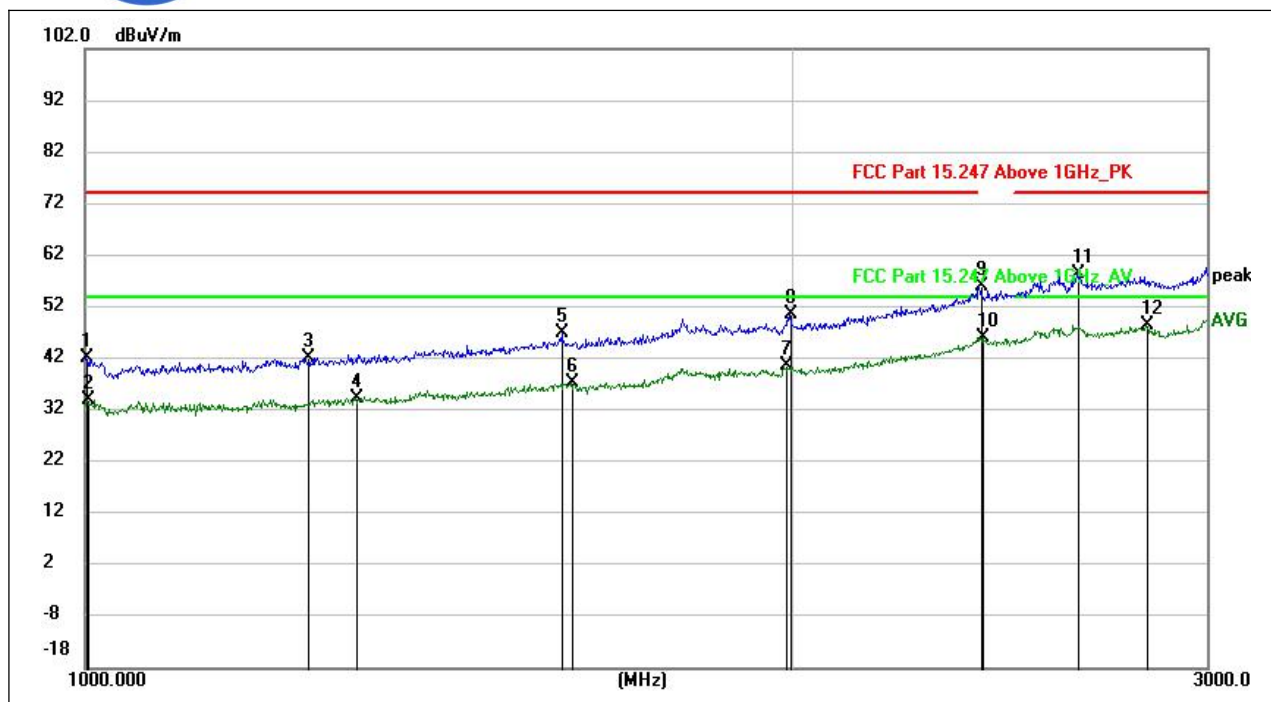
(802.11n_40M_2452MHz, Antenna Vertical, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
3514.500	42.07	---	74.00	31.93	V	-4.83
3813.750	---	33.90	54.00	20.10	V	-4.83
6036.000	43.76	---	74.00	30.24	V	-4.99
6208.500	---	35.48	54.00	18.52	V	-1.00
8658.000	45.08	---	74.00	28.92	V	-1.46
8741.250	---	35.87	54.00	18.13	V	1.24
11764.500	45.25	---	74.00	28.75	V	1.43
12099.000	---	36.69	54.00	17.31	V	3.78
14444.250	---	38.91	54.00	15.09	V	4.33
14756.250	47.80	---	74.00	26.20	V	9.28
17024.250	51.11	---	74.00	22.89	V	8.99
17024.250	---	41.61	54.00	12.39	V	12.93



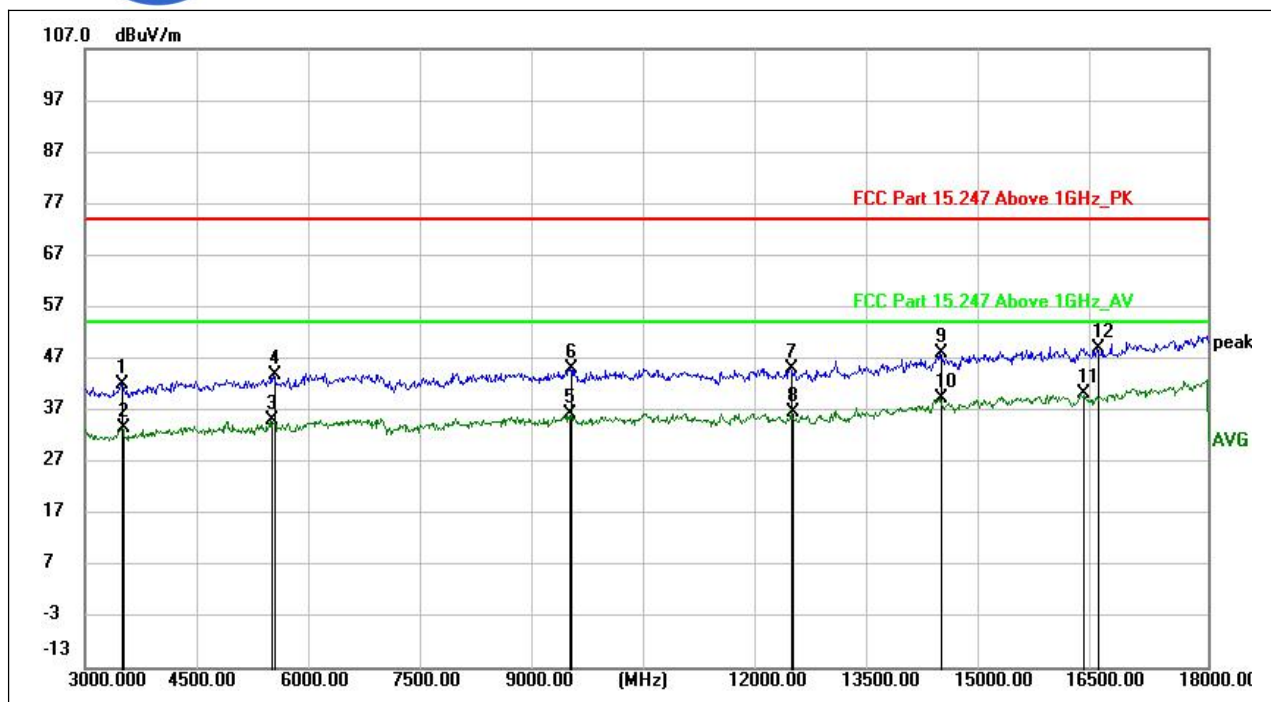
(802.11n_40M_2457MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
44.6729	15.39	---	40.00	24.38	H	15.39
98.0215	13.57	---	43.50	24.32	H	13.57
168.7093	12.15	---	43.50	23.34	H	12.15
383.9991	18.74	---	46.00	6.64	H	18.74
576.0381	23.00	---	46.00	18.43	H	23.00
768.0745	26.18	---	46.00	17.88	H	26.18



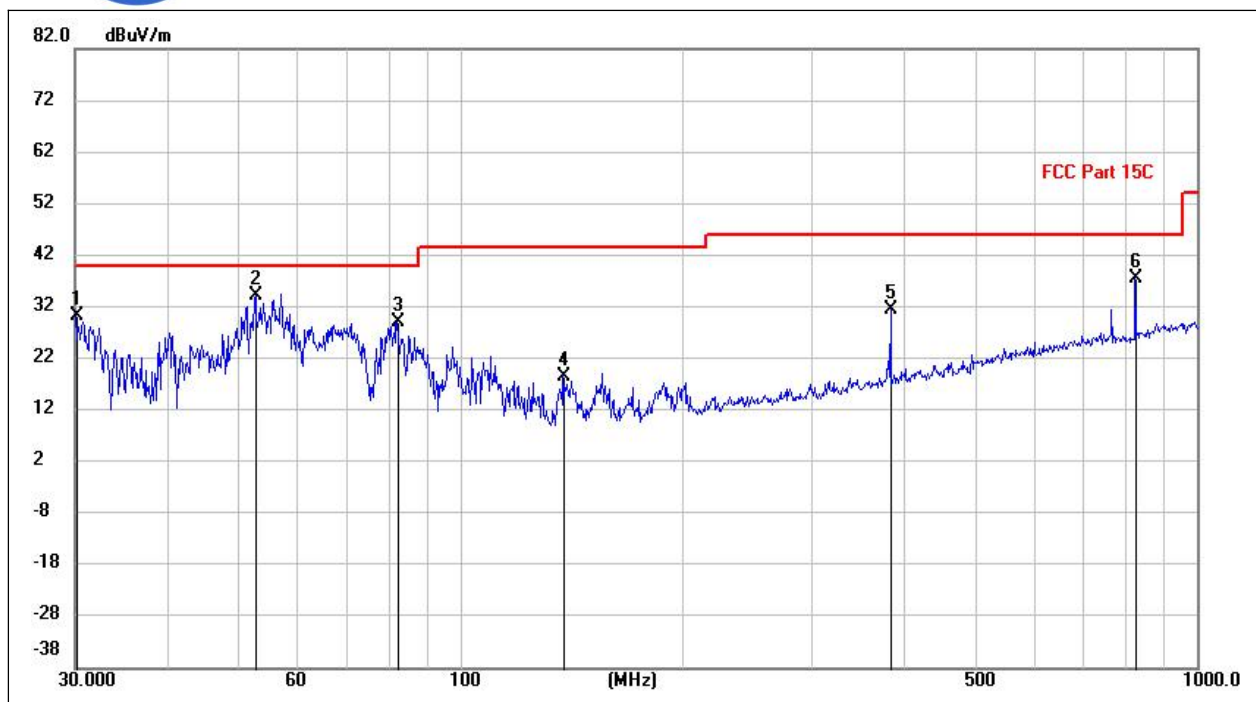
(802.11n_40M_2457MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1002.034	42.24	---	74.00	31.76	H	30.11
1003.191	---	33.91	54.00	20.09	H	30.01
1243.953	42.10	---	74.00	31.90	H	31.36
1304.558	---	34.41	54.00	19.59	H	32.07
1596.285	46.86	---	74.00	27.14	H	35.28
1609.581	---	37.23	54.00	16.77	H	35.20
1985.050	---	40.61	54.00	13.39	H	37.98
1995.874	50.69	---	74.00	23.31	H	38.14
2403.467	56.15	---			H	43.52
2409.283	---	46.04			H	43.21
2644.816	58.33	---	74.00	15.67	H	45.36
2828.133	---	48.42	54.00	5.58	H	44.68



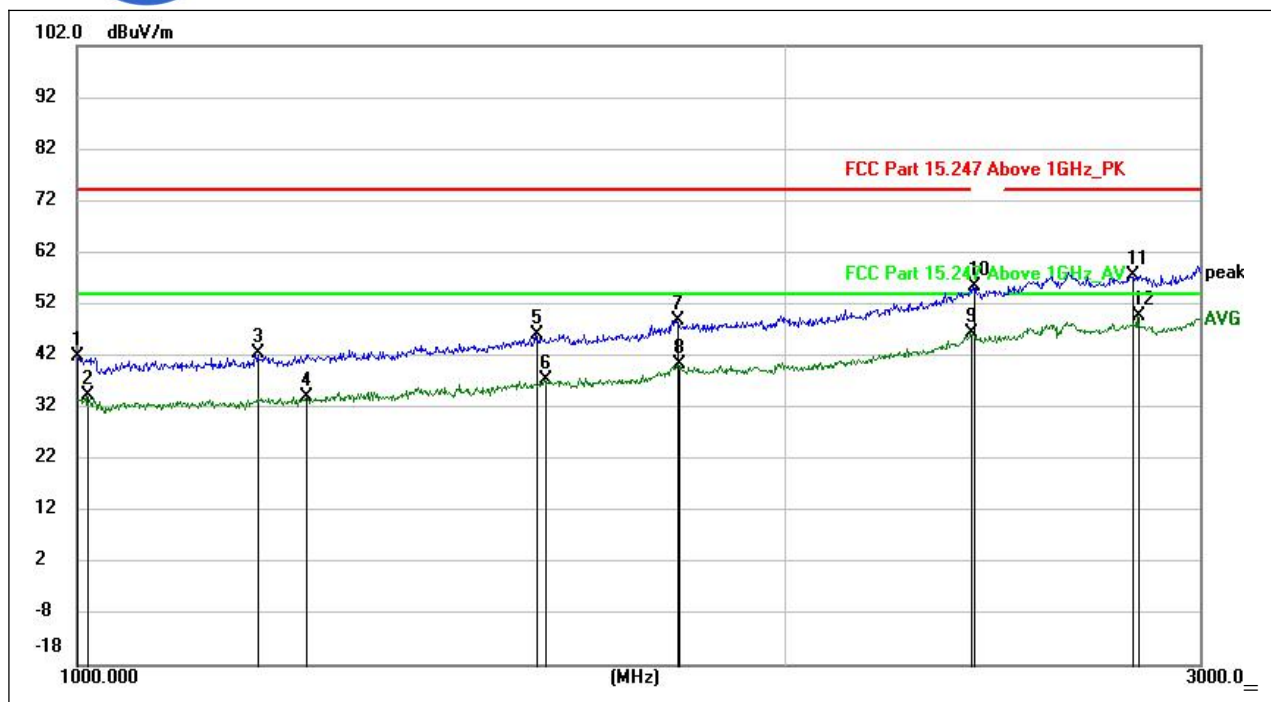
(802.11n_40M_2457MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
3494.250	42.14	---	74.00	31.86	H	-7.06
3510.750	---	33.45	54.00	20.55	H	-7.01
5492.250	---	34.96	54.00	19.04	H	-3.09
5535.000	43.97	---	74.00	30.03	H	-2.63
9469.500	---	36.34	54.00	17.66	H	1.74
9489.750	44.99	---	74.00	29.01	H	1.57
12433.500	45.09	---	74.00	28.91	H	4.57
12456.000	---	36.71	54.00	17.29	H	4.73
14436.000	47.98	---	74.00	26.02	H	8.96
14442.000	---	39.17	54.00	14.83	H	8.81
16326.000	---	40.24	54.00	13.76	H	11.81
16534.500	48.85	---	74.00	25.15	H	11.04



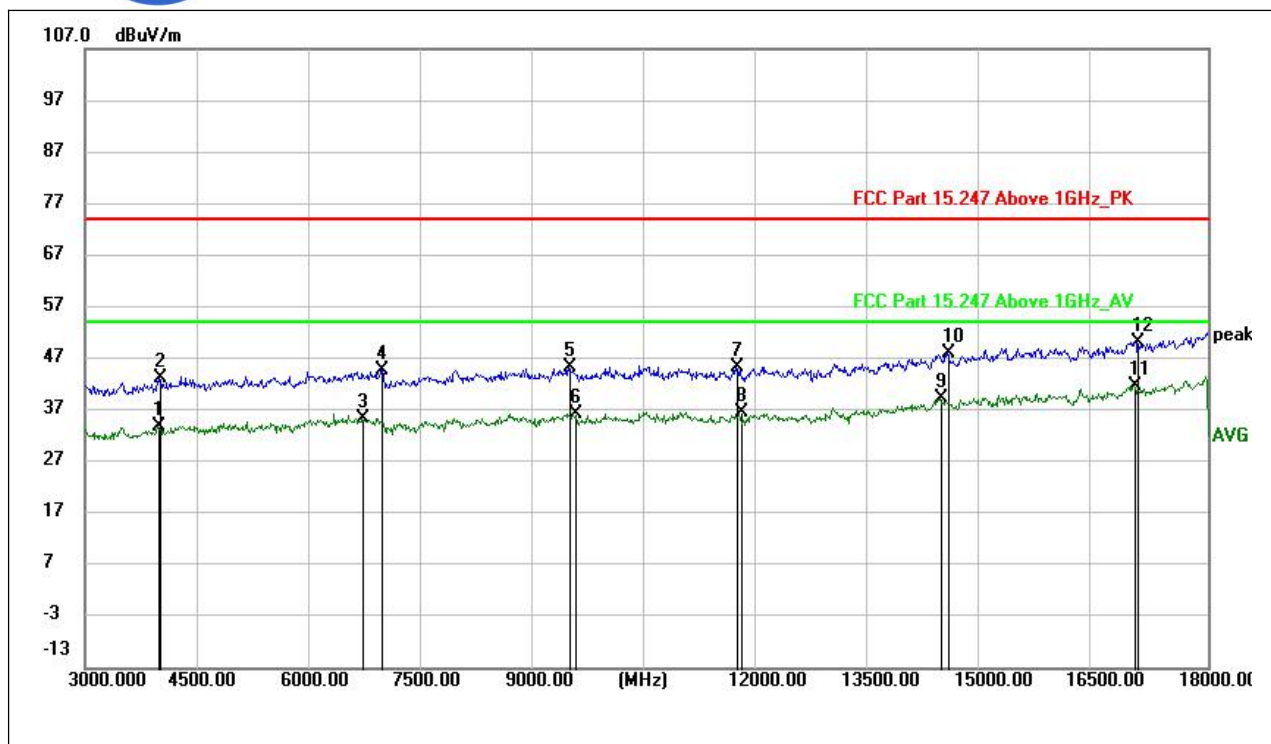
(802.11n_40M_2457MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
30.1688	30.40	---	40.00	9.60	V	13.60
52.8433	34.14	---	40.00	5.86	V	15.37
82.1570	29.16	---	40.00	10.84	V	9.97
138.1692	18.68	---	43.50	24.82	V	11.57
383.9991	31.57	---	46.00	14.43	V	18.74
827.2033	37.44	---	46.00	8.56	V	26.44



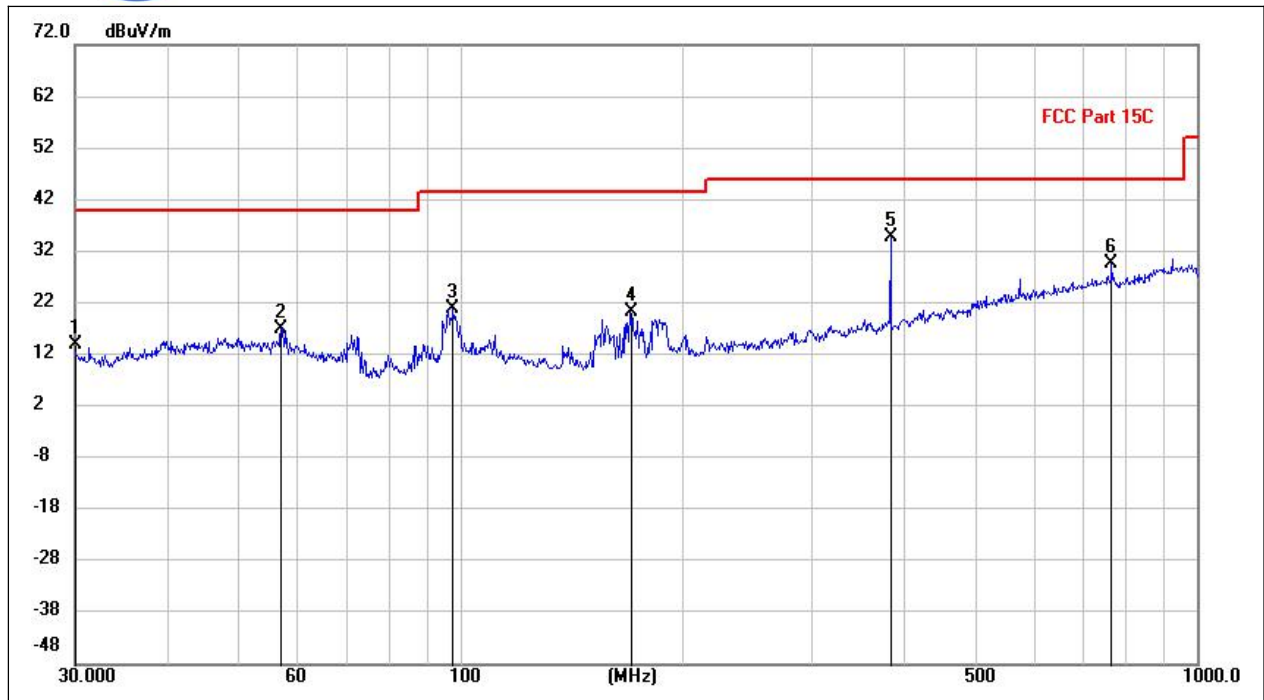
(802.11n_40M_2457MHz, Antenna Vertical , 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1000.0000	41.85	---	74.00	32.15	V	30.26
1010.158	---	34.37	54.00	19.63	V	29.53
1193.025	42.35	---	74.00	31.65	V	31.31
1252.042	---	34.03	54.00	19.97	V	31.60
1568.299	46.05	---	74.00	27.95	V	34.60
1581.188	---	37.30	54.00	16.70	V	34.81
1798.465	48.91	---	74.00	25.09	V	37.86
1801.728	---	40.27	54.00	13.73	V	37.83
2399.641	---	46.29	54.00	7.71	V	43.67
2405.052	55.41	---			V	43.43
2806.005	57.60	---	74.00	16.40	V	45.56
2826.425	---	49.68	54.00	4.32	V	44.64



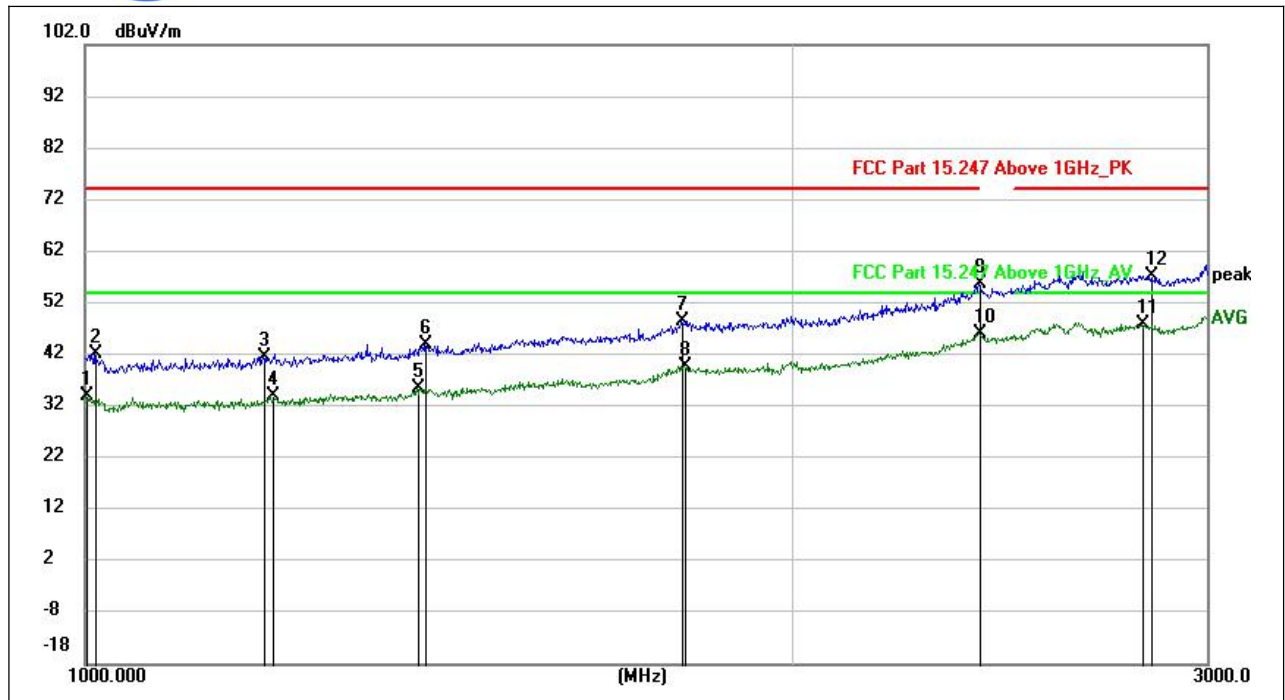
(802.11n_40M_2457MHz, Antenna Vertical, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
3986.250	---	33.88	54.00	20.12	V	-3.75
4002.000	43.30	---	74.00	30.70	V	-3.28
6718.500	---	35.47	54.00	18.53	V	-1.00
6966.750	44.84	---	74.00	29.16	V	-0.56
9477.750	45.43	---	74.00	28.57	V	1.98
9545.250	---	36.36	54.00	17.64	V	2.40
11712.000	45.27	---	74.00	28.73	V	3.99
11763.000	---	36.45	54.00	17.55	V	3.80
14440.500	---	39.29	54.00	14.71	V	9.33
14525.250	48.14	---	74.00	25.86	V	9.16
17017.500	---	41.61	54.00	12.39	V	12.94
17057.250	50.31	---	74.00	23.69	V	12.82



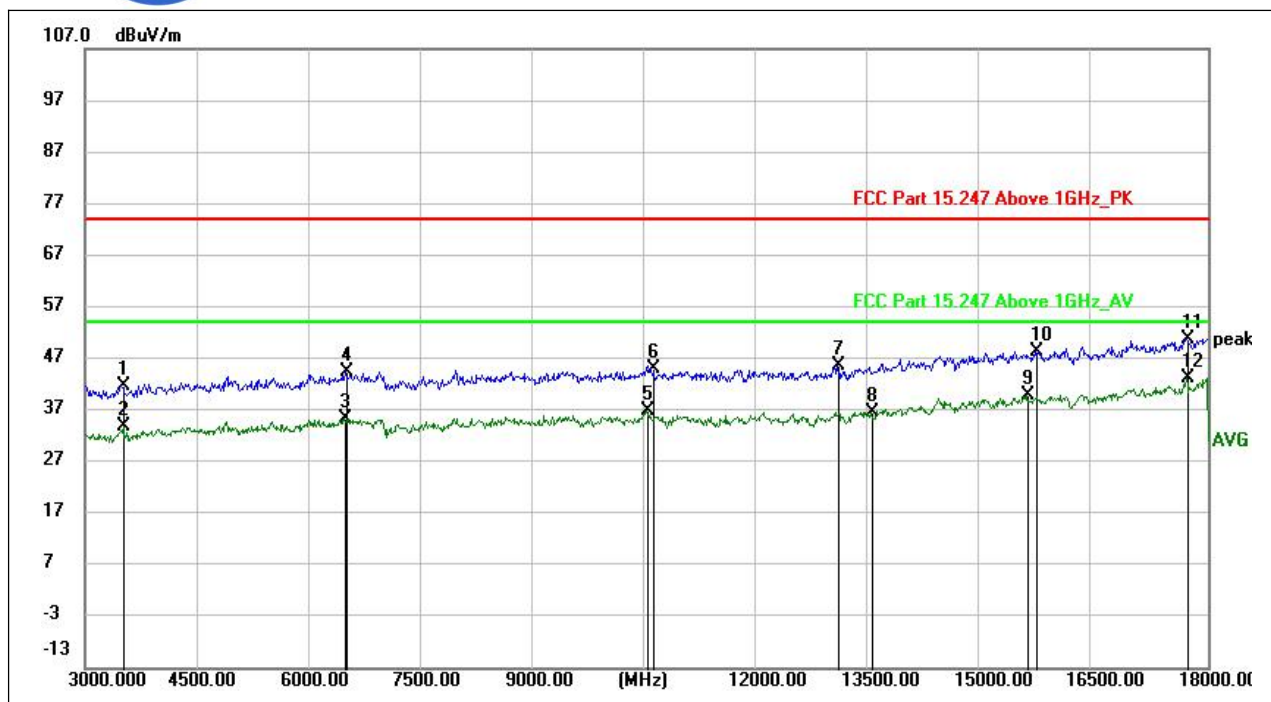
(802.11n_40M_2462MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
30.0000	13.87	---	40.00	26.13	H	13.90
57.1914	17.11	---	40.00	22.89	H	14.51
97.7983	20.83	---	43.50	22.67	H	13.51
170.1948	20.21	---	43.50	23.29	H	12.44
383.9318	34.66	---	46.00	11.34	H	18.74
766.0572	29.75	---	46.00	16.25	H	26.21



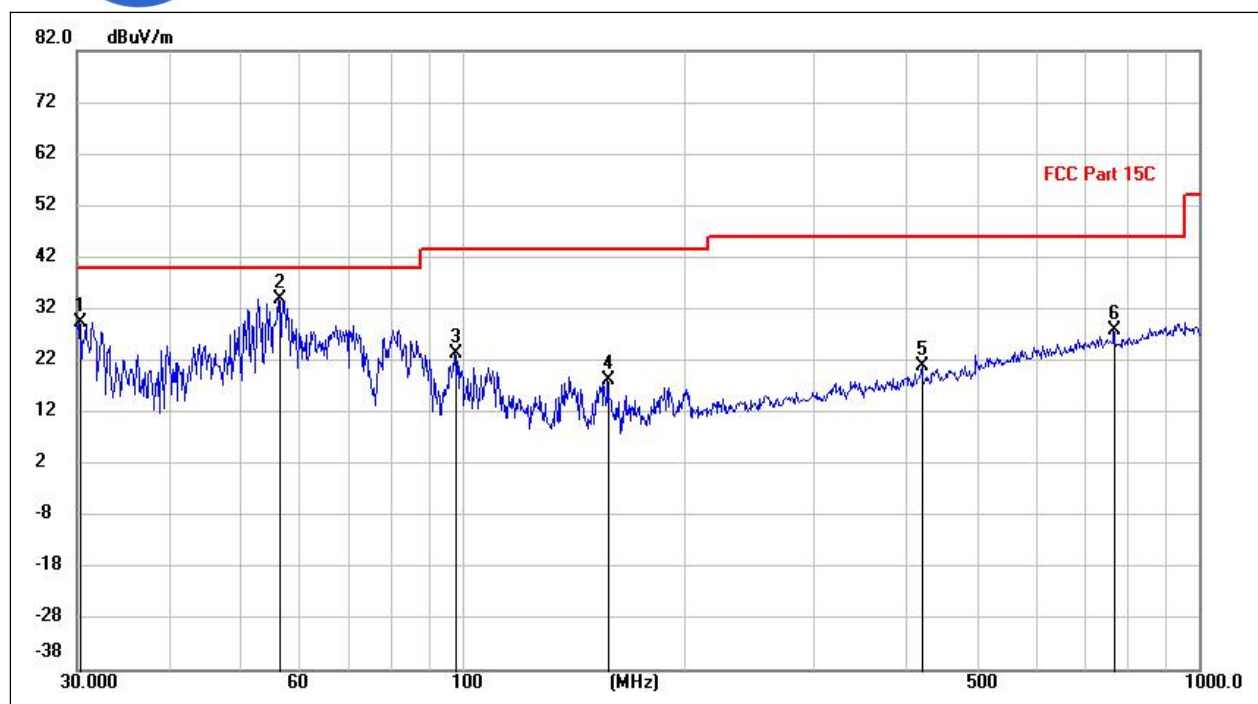
(802.11n_40M_2462MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1002.034	---	33.93	54.00	20.07	H	30.11
1009.992	42.09	---	74.00	31.91	H	29.54
1191.650	41.46	---	74.00	32.54	H	31.22
1202.235	---	34.03	54.00	19.97	H	31.69
1385.358	---	35.56	54.00	18.44	H	33.04
1395.132	43.86	---	74.00	30.14	H	33.38
1795.898	48.56	---	74.00	25.44	H	37.67
1799.453	---	39.88	54.00	14.12	H	37.92
2401.488	55.75	---			H	43.62
2401.488	---	45.95			H	43.62
2817.744	---	47.95	54.00	6.05	H	44.62
2839.808	57.18	---	74.00	16.82	H	44.95



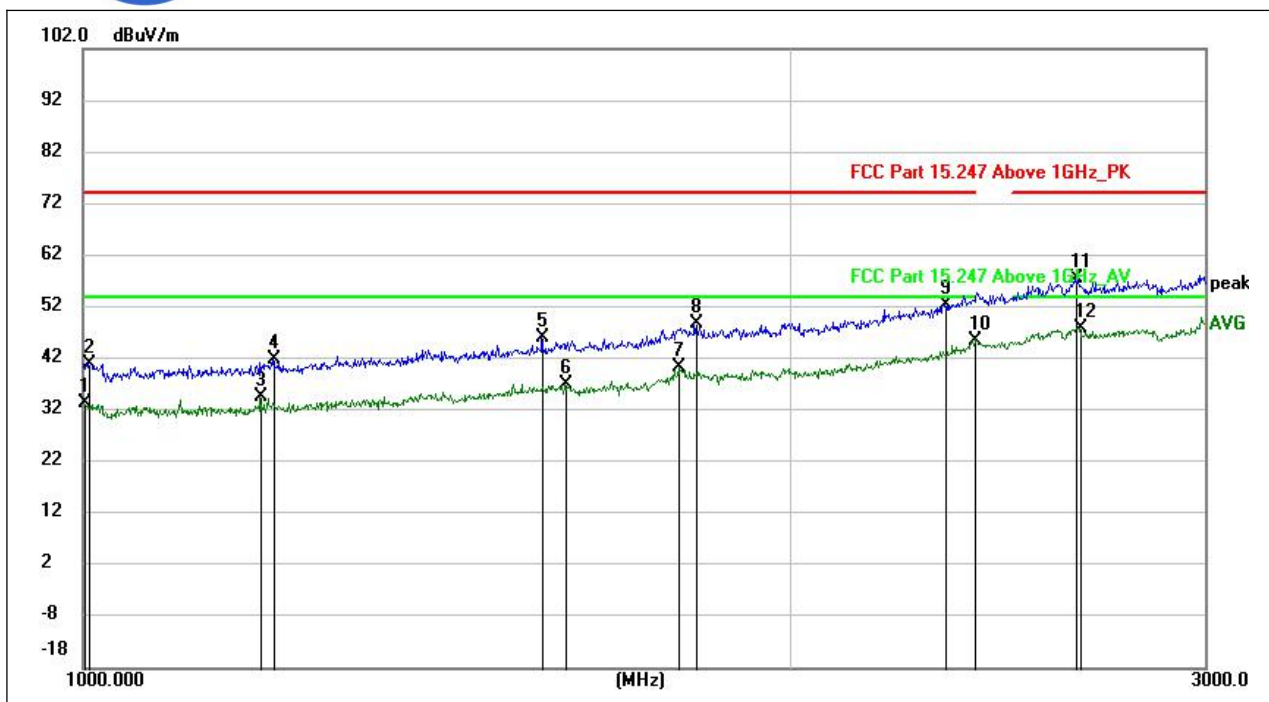
(802.11n_40M_2462MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
3498.000	41.85	---	74.00	32.15	H	-7.18
3513.000	---	33.82	54.00	20.18	H	-6.93
6477.000	---	35.48	54.00	18.52	H	-1.99
6492.750	44.58	---	74.00	29.42	H	-1.93
10504.500	---	36.85	54.00	17.15	H	2.60
10580.250	45.17	---	74.00	28.83	H	2.78
13062.000	45.51	---	74.00	28.49	H	6.64
13505.250	---	36.71	54.00	17.29	H	6.50
15594.000	---	39.96	54.00	14.04	H	10.34
15711.750	48.48	---	74.00	25.52	H	10.97
17718.000	50.82	---	74.00	23.18	H	14.66
17728.500	---	43.13	54.00	10.87	H	14.89



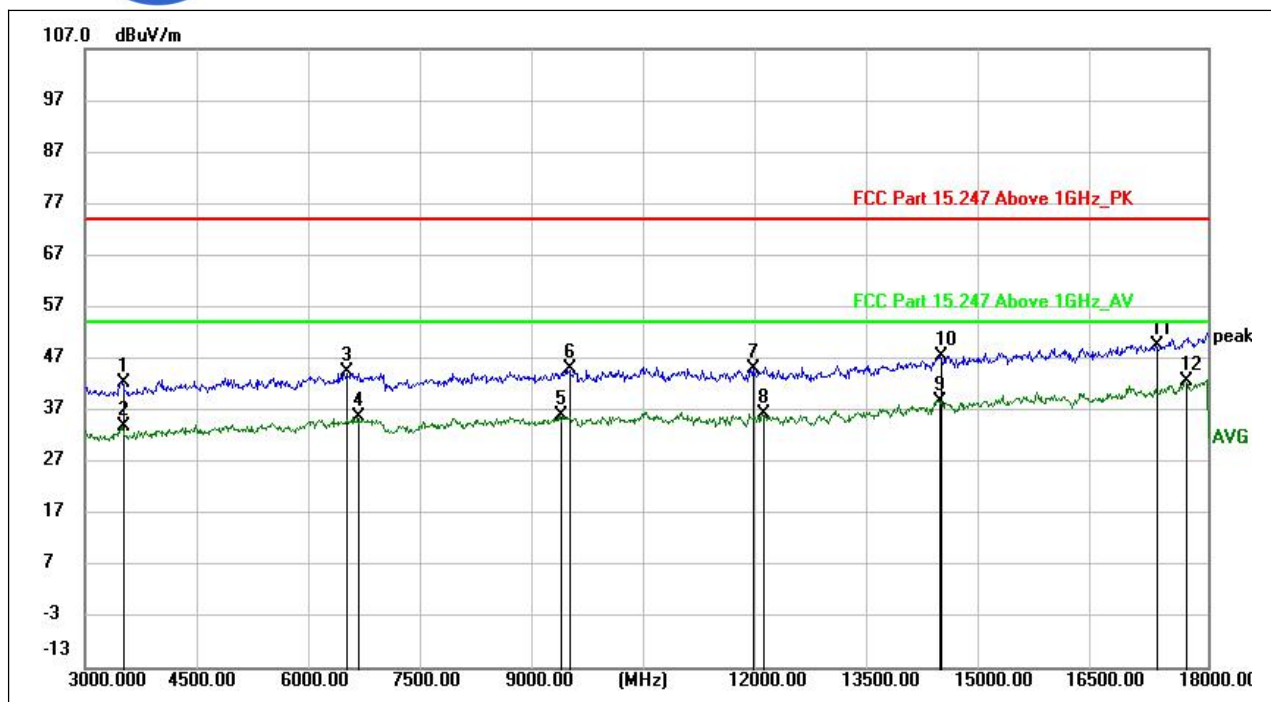
(802.11n_40M_2462MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
30.2217	29.51	---	29.51	29.51	V	13.50
56.4839	33.91	---	33.91	33.91	V	14.72
97.9356	23.47	---	23.47	23.47	V	13.54
157.6418	18.36	---	18.36	18.36	V	11.45
421.4661	20.86	---	20.86	20.86	V	20.11
766.5947	27.85	---	27.85	27.85	V	26.20



(802.11n_40M_2462MHz, Antenna Vertical , 1GHz to 3GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1001.429	---	33.46	54.00	20.54	V	30.15
1006.337	40.93	---	74.00	33.07	V	29.78
1190.668	---	34.48	54.00	19.52	V	31.16
1204.482	41.85	---	74.00	32.15	V	31.58
1568.127	45.94	---	74.00	28.06	V	34.59
1604.373	---	37.11	54.00	16.89	V	35.35
1793.335	---	40.21	54.00	13.79	V	37.44
1822.933	48.72	---	74.00	25.28	V	36.83
2325.161	52.44	---	74.00	21.56	V	41.34
2392.666	---	45.38	54.00	8.62	V	43.16
2643.363	57.67	---	74.00	16.33	V	45.28
2656.318	---	47.79	54.00	6.21	V	45.13



(802.11n_40M_2462MHz, Antenna Vertical, 3GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
3499.500	42.40	---	74.00	31.60	V	-4.36
3509.250	---	33.80	54.00	20.20	V	-4.69
6486.000	44.37	---	74.00	29.63	V	-0.93
6660.000	---	35.81	54.00	18.19	V	-0.44
9347.250	---	35.96	54.00	18.04	V	1.76
9465.750	44.93	---	74.00	29.07	V	2.02
11919.750	44.93	---	74.00	29.07	V	4.19
12073.500	---	36.25	54.00	17.75	V	4.63
14419.500	---	38.80	54.00	15.20	V	9.51
14435.250	47.50	---	74.00	26.50	V	9.40
17322.000	49.63	---	74.00	24.37	V	13.12
17714.250	---	42.60	54.00	11.40	V	14.59



Annex A Test Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for test performed on the EUT as specified in CISPR 16-1-2:

Test items	Uncertainty
Peak Output Power	$\pm 2.22\text{dB}$
Power spectral density (PSD)	$\pm 2.22\text{dB}$
Bandwidth	$\pm 5\%$
Conducted Spurious Emission	$\pm 2.77\text{ dB}$
Restricted Frequency Bands	$\pm 5\%$
Radiated Emission	$\pm 3.1\text{dB}$
Conducted Emission	$\pm 1.8\text{dB}$

This uncertainty represent an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$



Annex B Testing Laboratory Information

1..Identification of the Responsible Testing Laboratory

Laboratory Name:	Kehu-Morlab Test Laboratory
Laboratory Address:	Unit 101, No.1732 Gangzhong Road, Xiamen Area, Pilot Free Trade Zone (Fujian) P.R. China
Telephone:	+86-0592-5612050
Facsimile:	+86-0592-5612095

2. Identification of the Responsible Testing Location

Name:	Kehu-Morlab Test Laboratory
Address:	Unit 101, No.1732 Gangzhong Road, Xiamen Area, Pilot Free Trade Zone (Fujian) P.R. China

3. Accreditation Certificate

Accredited Testing Laboratory:	The FCC designation number is CN1249. (Kehu-Morlab Test Laboratory)
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4. Test Equipments Utilized

4.1 Conducted Test Equipments

No.	Equipment Name	Serial No.	Model No.	Manufacturer	Cal.Date	Cal.Due Date
1	MXA Signal Analyzer	MY53421845	N9020A	Keysight	2019.01.05	2020.01.04
2	RF cable (30MHz-26.5GHz)	RF01	N/A	Morlab	2019.01.05	2020.01.04
3	Coaxial cable	RF02	N/A	Morlab	2019.01.05	2020.01.04
4	SMA connector	RF03	N/A	Xingbo	2019.01.05	2020.01.04
5	USB Power Sensor	MY56410006	U2021XA	Keysight	2019.01.03	2020.01.02

4.2 Conducted Emission Test Equipments

No.	Equipment Name	Serial No.	Model No.	Manufacturer	Cal.Date	Cal.Due Date
1	EMI Receiver	102174	ESR3	ESR3	2019.01.08	2020.01.07
2	LISN	101338	ENV432	ENV432	2019.01.14	2020.01.13
3	Pulse Limiter (10dB)	317	VTSD 9561 F	VTSD 9561 F	2019.01.14	2020.01.13
4	Coaxial cable(BNC) (30MHz-3GHz)	EMC01	N/A	Morlab	2019.01.14	2020.01.13

**4.4 List of Software Used**

No.	Model	Version Number	Producer	Test Item
1	EMC32	V10.00.00	Rode&Schwarz	RE
2	EMC32	V10.20.01	Rode&Schwarz	CE

4.5 Radiated Test Equipments

RSE Test System						
No.	Equipment Name	Serial No.	Model No.	Manufacturer	Cal. Date	Cal.Due Date
1	Anechoic Chamber	N/A	9m*6m*6m	ETS-Lindgren	2017.07.21	2020.07.20
2	Signal Analyzer	101294	FSV40	R&S	2019.01.04	2020.01.03
3	Active Ring Antenna	FMZB 1513 #269	FMZB 1513	Schwarzbeck	2019.01.12	2020.01.11
4	Linear Log Periodic Broad Band Antenna	949	VULB 9163	Schwarzbeck	2018.09.25	2021.09.24
5	Ultra-Wideband Horn Antenna	102615	HF907	R&S	2019.01.19	2020.01.18
6	Steatite Antennas	17868	QSH-SL-1 8-26-S-20	Seibersdorf	2019.01.12	2020.01.11
7	RF Switch and Control Platform	N/A	RSC	CDSI	N/A	N/A
8	Coaxial cable (N male) (9kHz -3GHz)	EMC02	N/A	Morlab	2019.01.04	2020.01.03
9	Coaxial cable (N male) (9kHz -3GHz)	EMC03	N/A	Morlab	2019.01.04	2020.01.03
10	Coaxial cable (N male) (1GHz-26.5GHz)	EMC04	N/A	Morlab	2019.01.04	2020.01.03
11	Coaxial cable (N male) (1GHz-26.5GHz)	EMC05	N/A	Morlab	2019.01.04	2020.01.03
12	Pre-amplifier (1GHz-18GHz)	8810011	PAP-1G18	CDSI	2019.01.04	2020.01.03



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13	Pre-amplifier (18GHz-40GHz)	17021-17024	PAP-1840	CDSI	2018.07.05	2021.07.04
14	Band stop Filter	EMC19	BJF2400/2 485-60	CDSI	2019.01.04	2020.01.03
15	High Pass Filter	EMC22	HFP-3.0/1 8G-60	CDSI	2019.01.04	2020.01.03

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