PSD NVNT n20 5220MHz Ant1

PSD NVNT n20 5240MHz Ant1

PSD NVNT n20 5260MHz Ant1

PSD NVNT n20 5300MHz Ant1

PSD NVNT n20 5320MHz Ant1

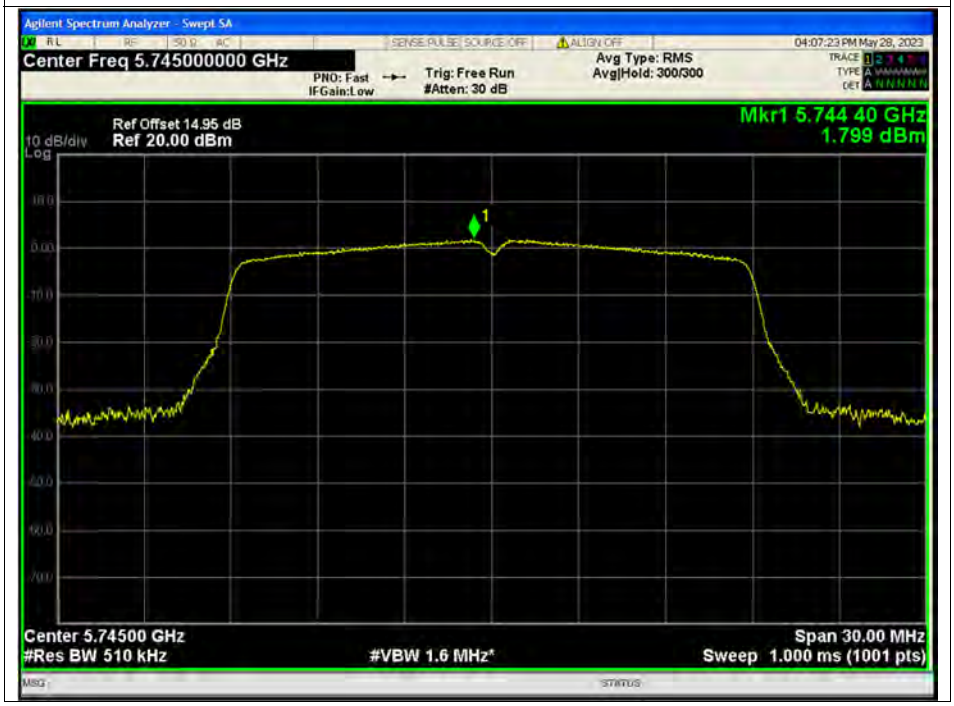
PSD NVNT n20 5500MHz Ant1

PSD NVNT n20 5580MHz Ant1

PSD NVNT n20 5600MHz Ant1

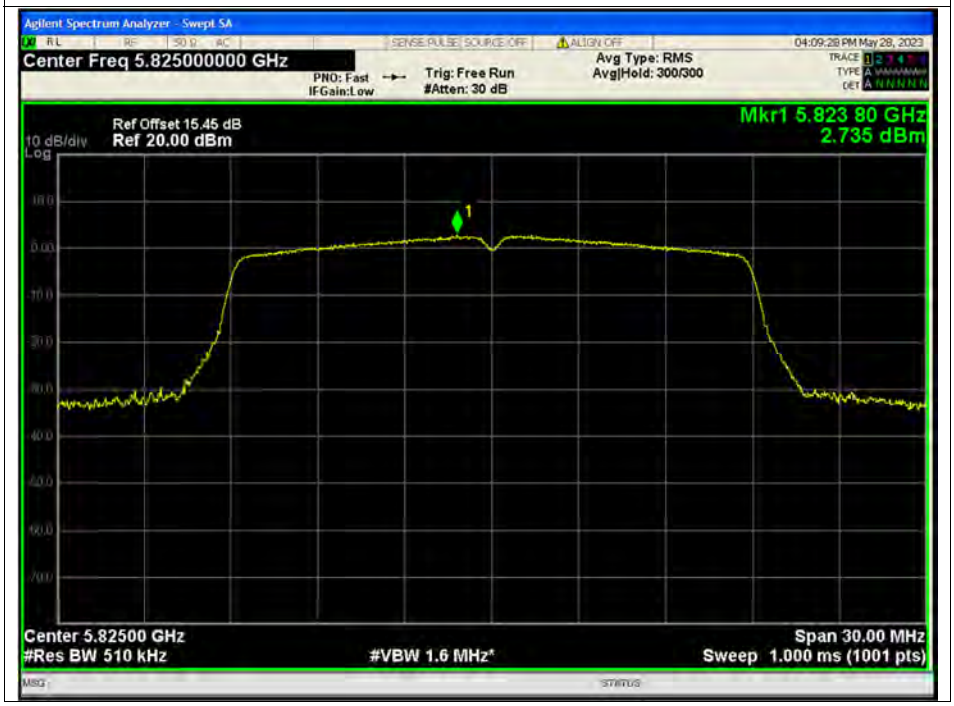
PSD NVNT n20 5720MHz Ant1

PSD NVNT n20 5745MHz Ant1

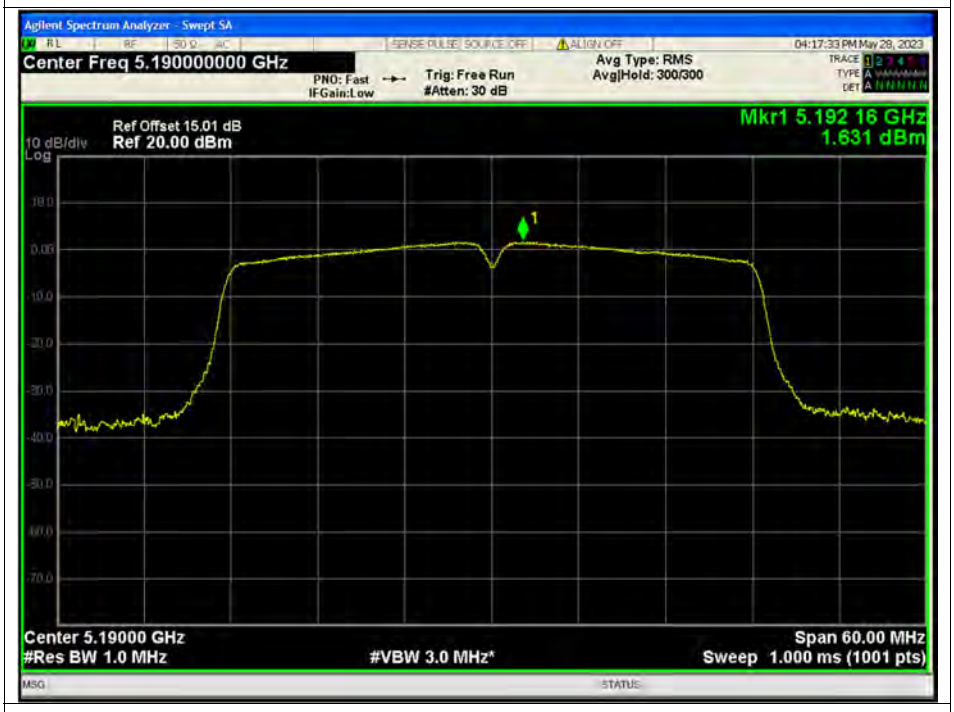


PSD NVNT n20 5785MHz Ant1

PSD NVNT n20 5825MHz Ant1



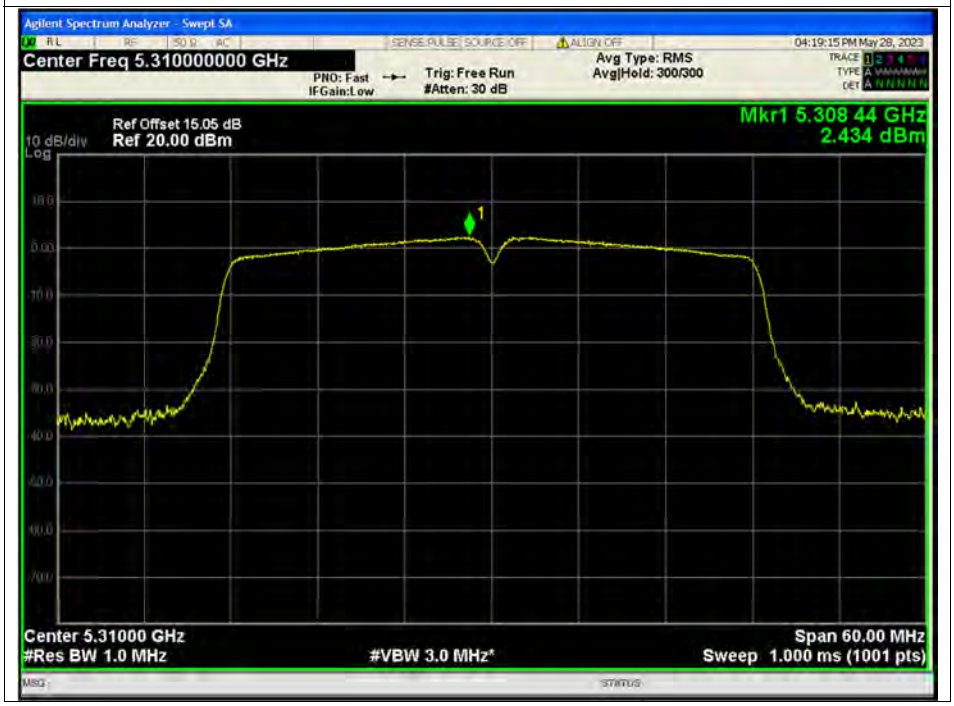
PSD NVNT n40 5190MHz Ant1



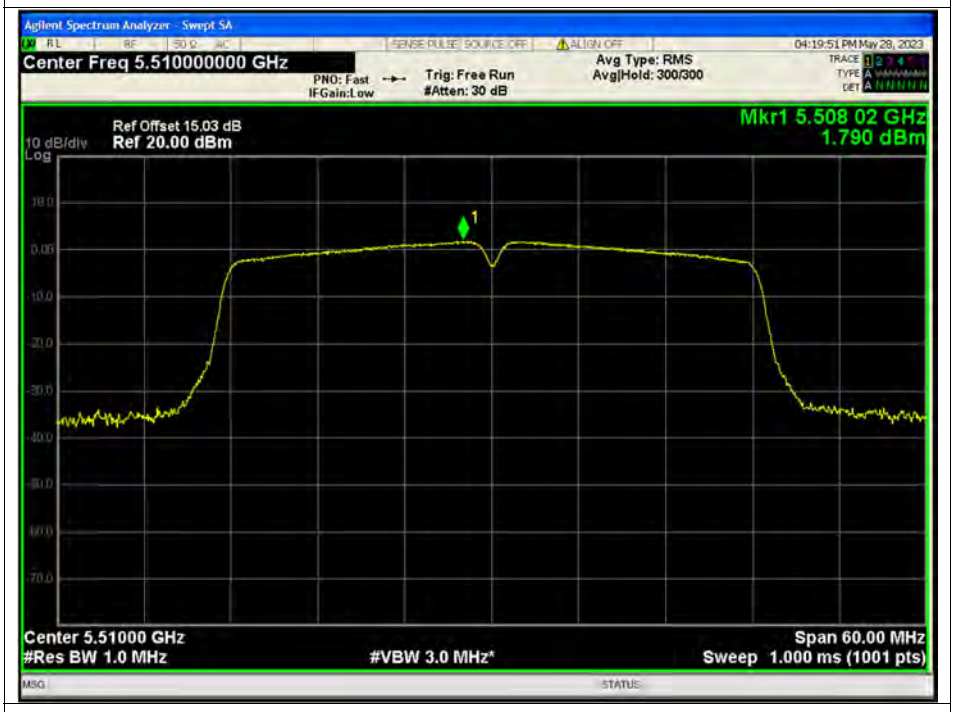
PSD NVNT n40 5230MHz Ant1

PSD NVNT n40 5270MHz Ant1

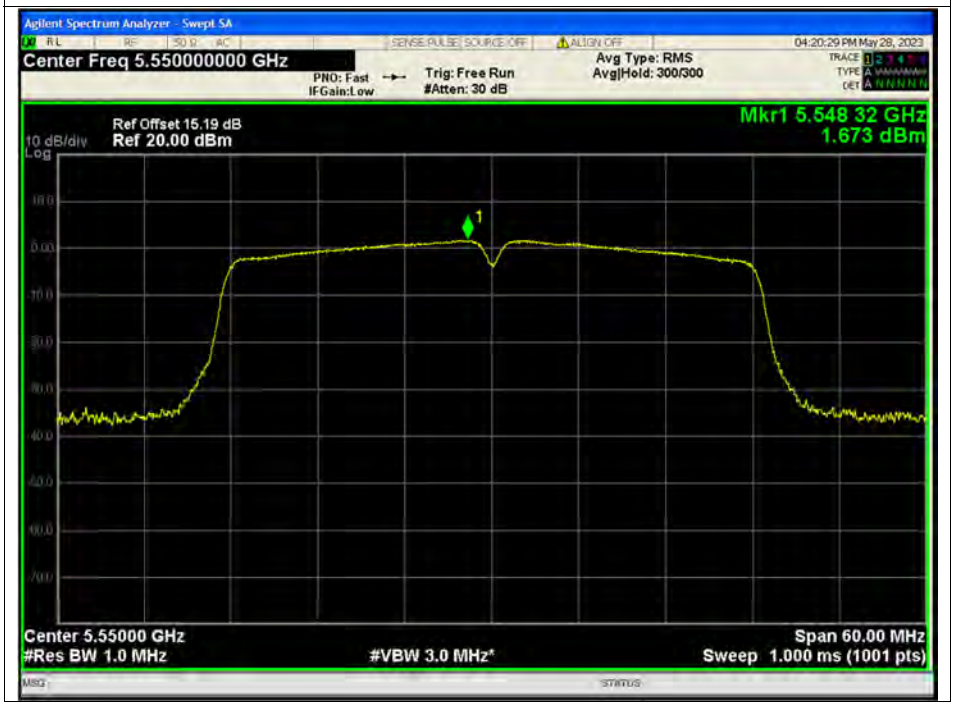
PSD NVNT n40 5310MHz Ant1



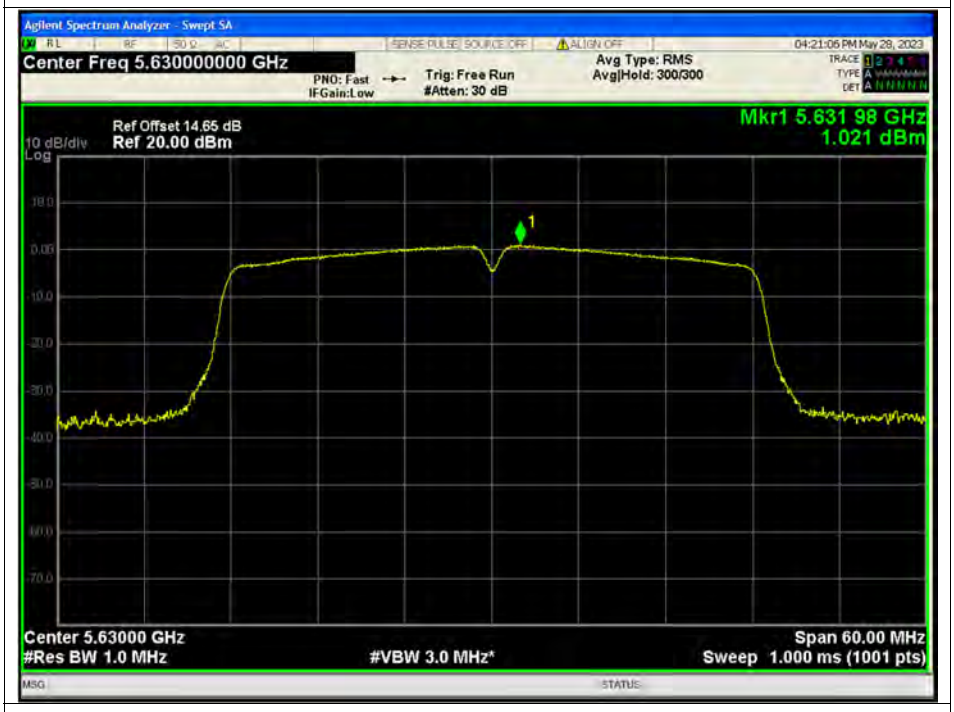
PSD NVNT n40 5510MHz Ant1



PSD NVNT n40 5550MHz Ant1



PSD NVNT n40 5630MHz Ant1

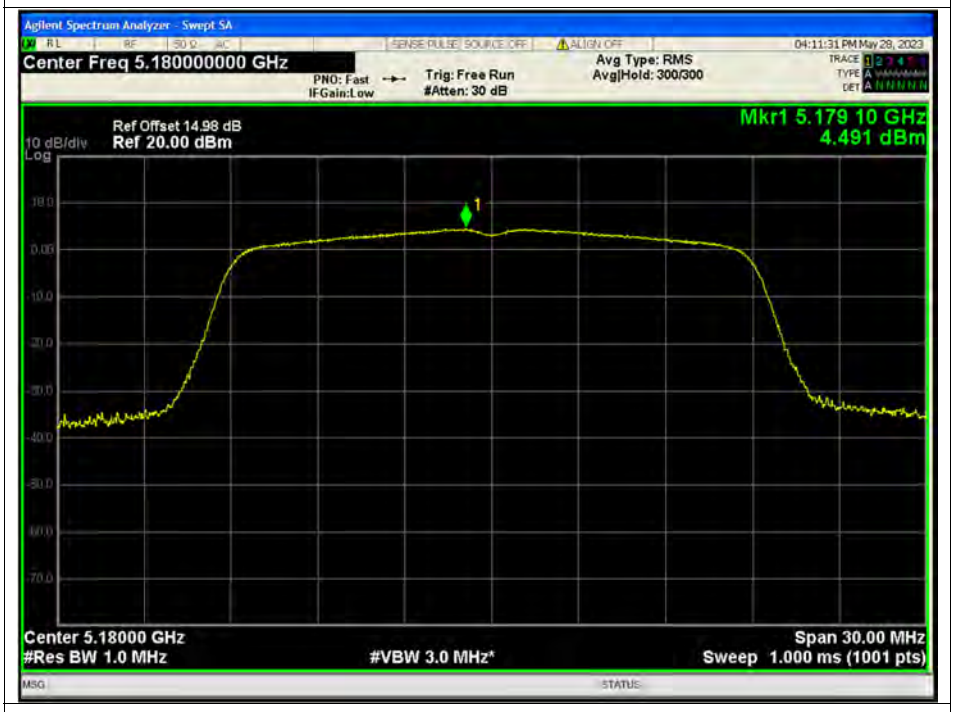


PSD NVNT n40 5710MHz Ant1

PSD NVNT n40 5755MHz Ant1

PSD NVNT n40 5795MHz Ant1

PSD NVNT ac20 5180MHz Ant1



PSD NVNT ac20 5220MHz Ant1

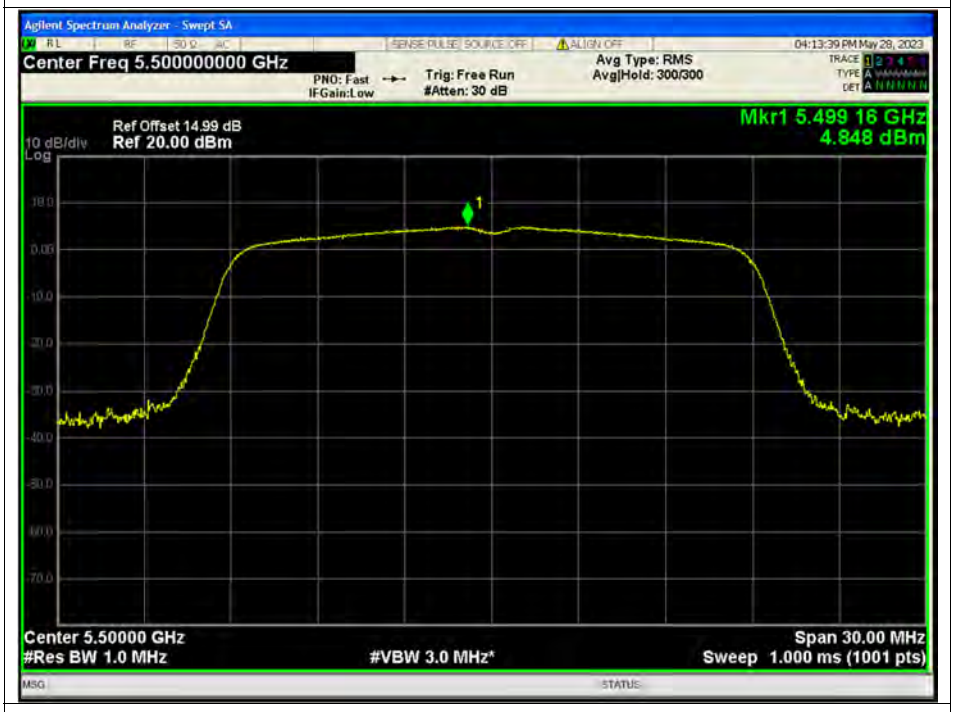
PSD NVNT ac20 5240MHz Ant1

PSD NVNT ac20 5260MHz Ant1

PSD NVNT ac20 5300MHz Ant1

PSD NVNT ac20 5320MHz Ant1

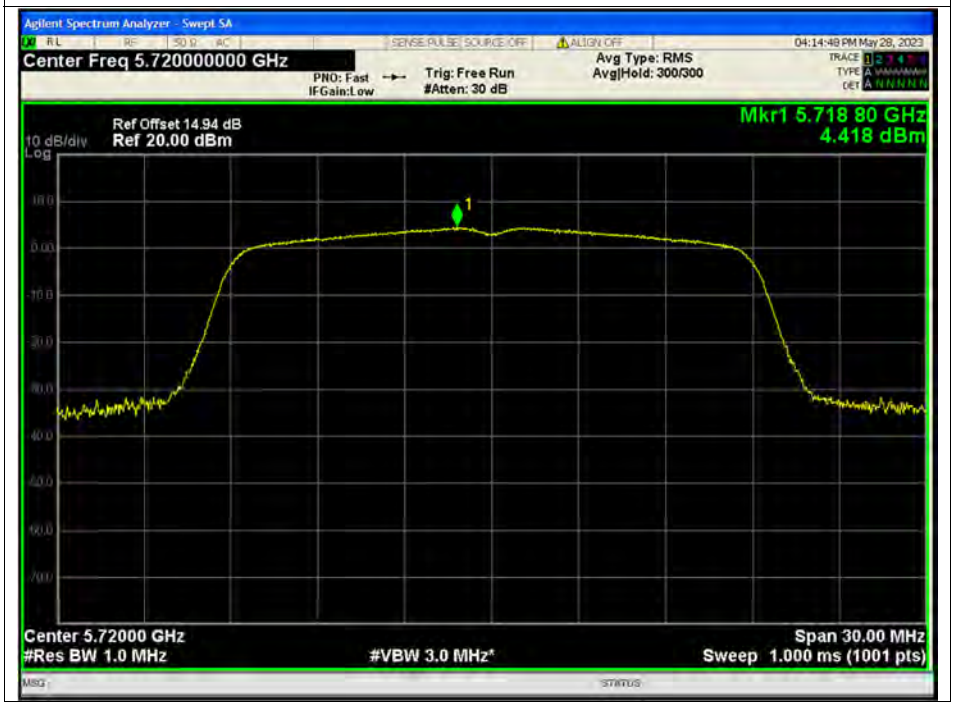
PSD NVNT ac20 5500MHz Ant1



PSD NVNT ac20 5580MHz Ant1

PSD NVNT ac20 5600MHz Ant1

PSD NVNT ac20 5720MHz Ant1



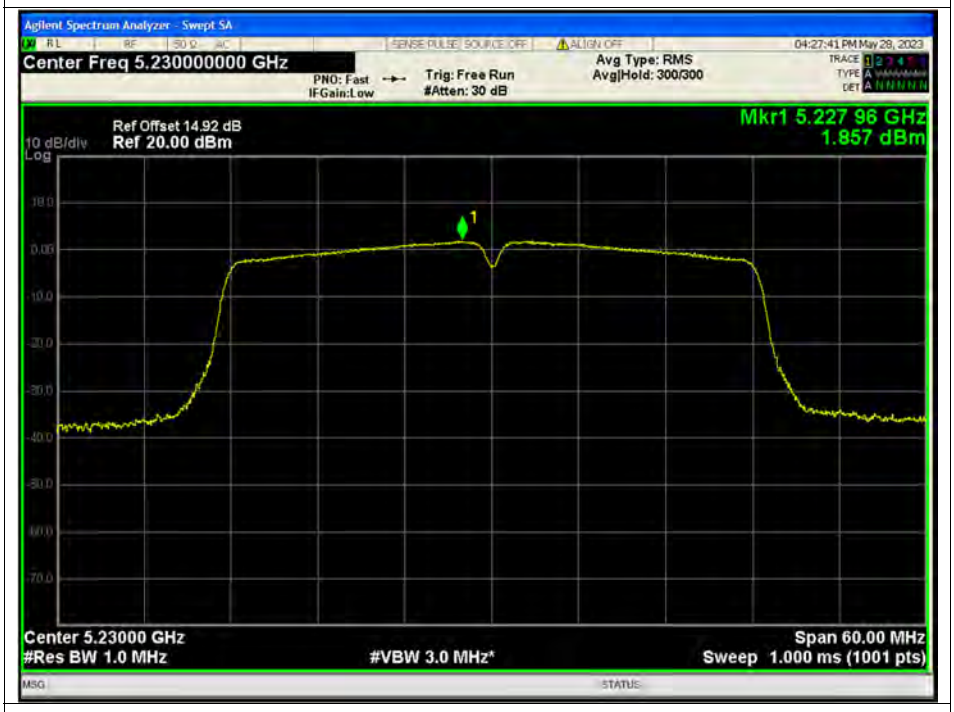
PSD NVNT ac20 5745MHz Ant1

PSD NVNT ac20 5785MHz Ant1

PSD NVNT ac20 5825MHz Ant1

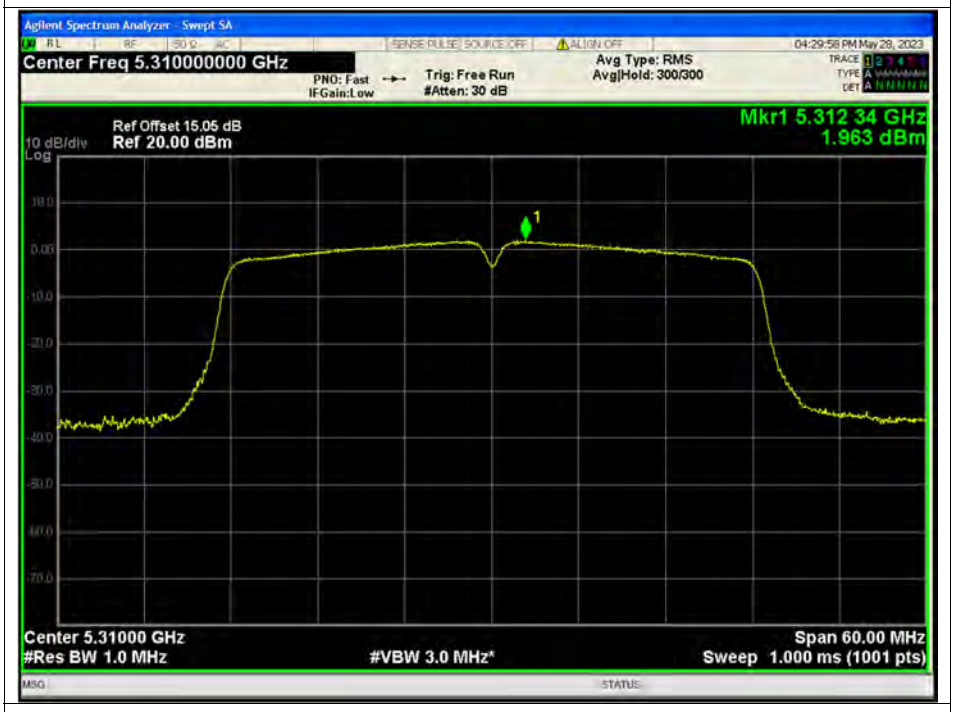
PSD NVNT ac40 5190MHz Ant1

PSD NVNT ac40 5230MHz Ant1

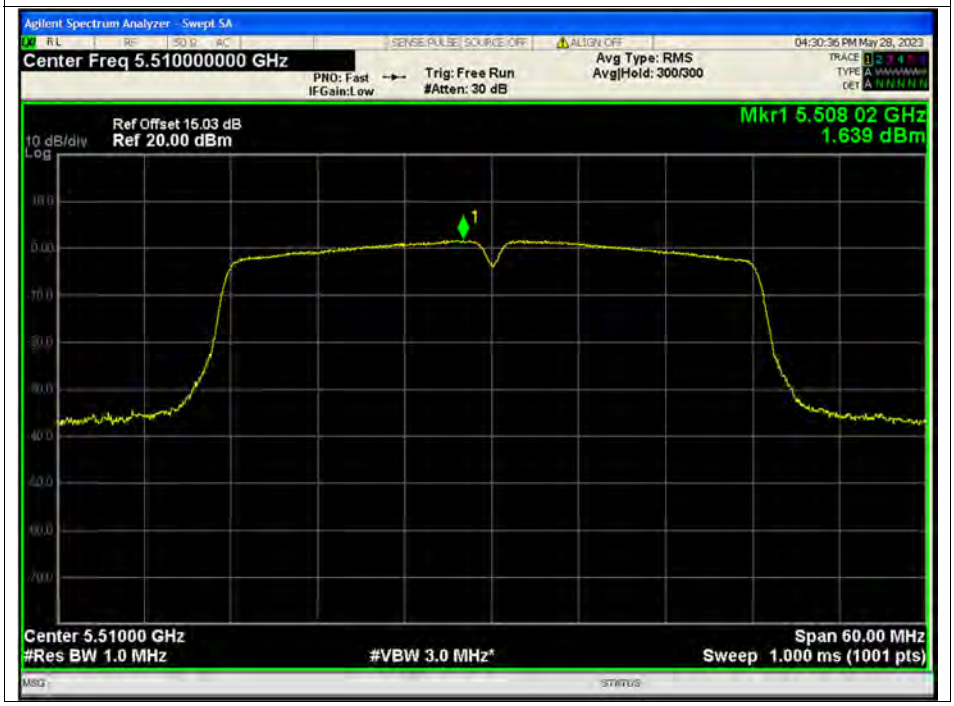


PSD NVNT ac40 5270MHz Ant1

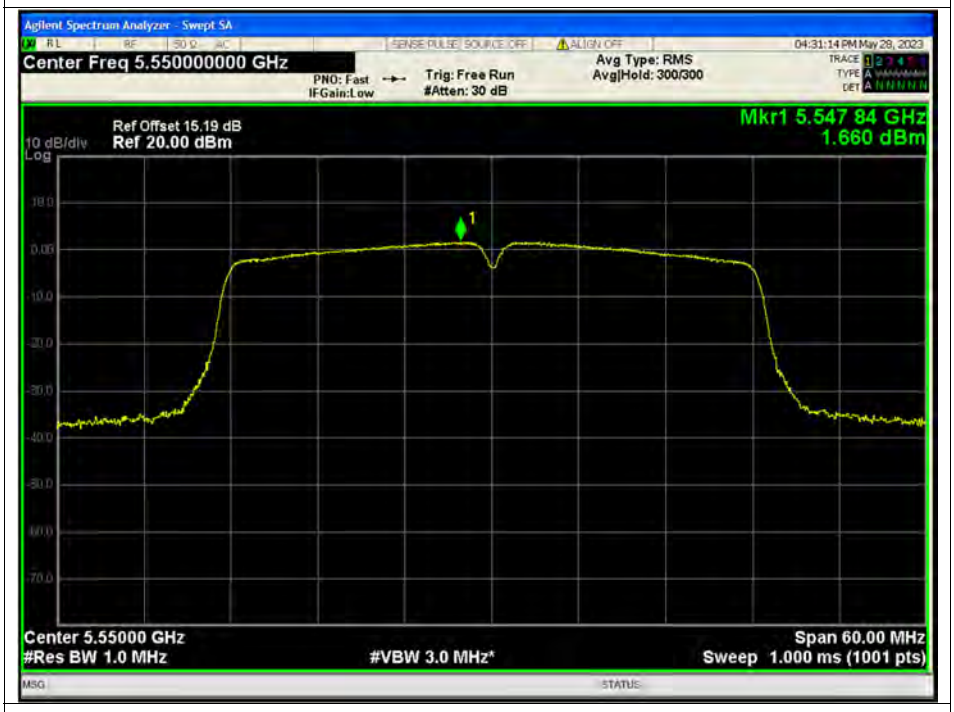
PSD NVNT ac40 5310MHz Ant1



PSD NVNT ac40 5510MHz Ant1

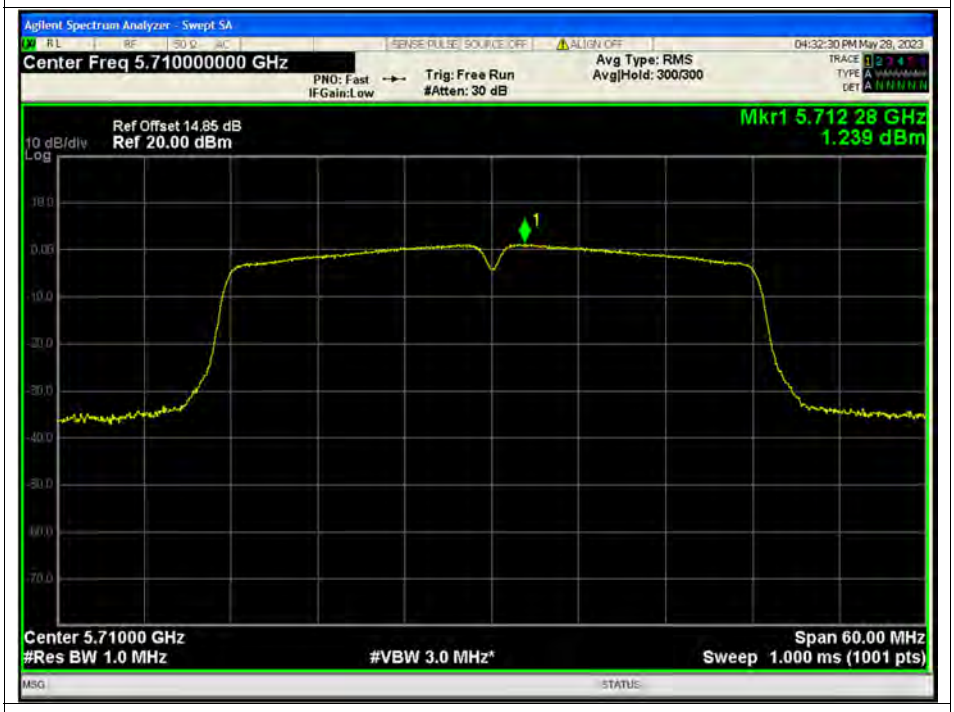


PSD NVNT ac40 5550MHz Ant1

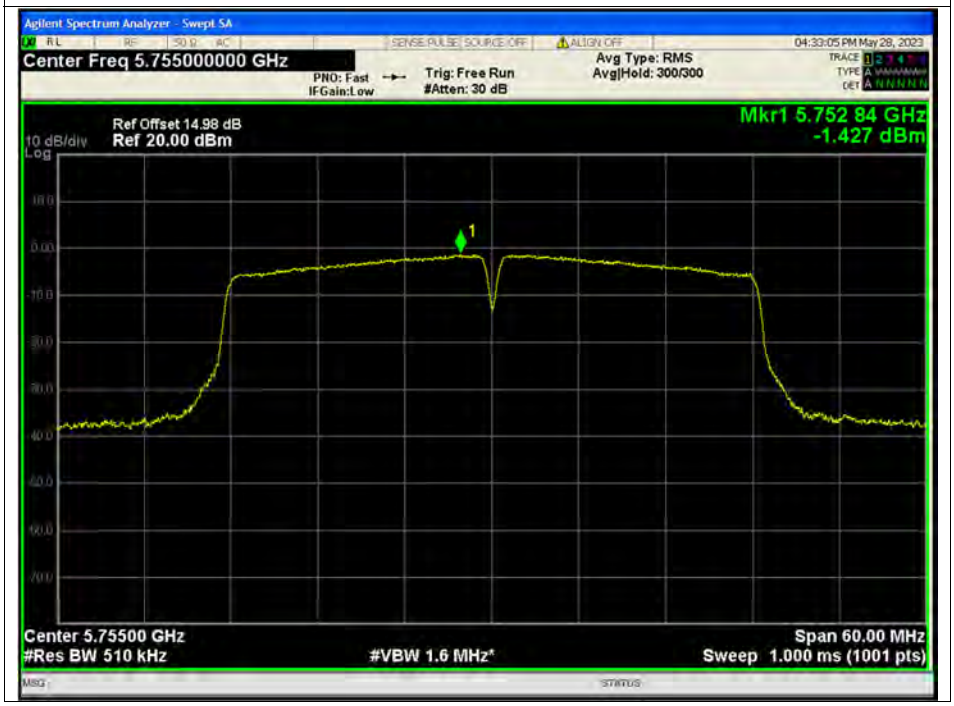


PSD NVNT ac40 5630MHz Ant1

PSD NVNT ac40 5710MHz Ant1

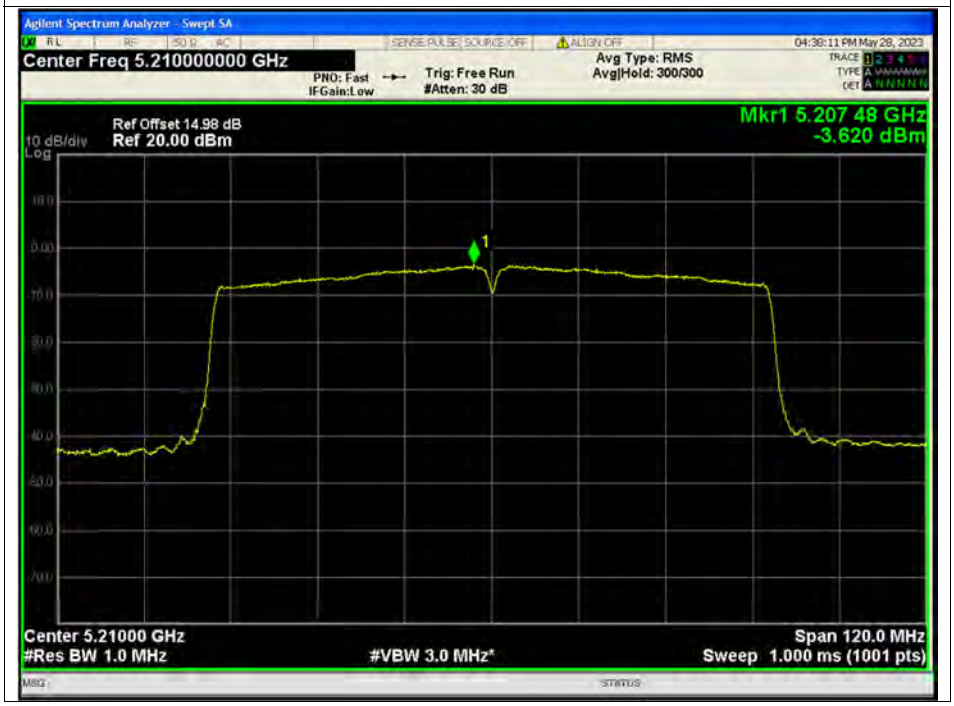


PSD NVNT ac40 5755MHz Ant1



PSD NVNT ac40 5795MHz Ant1

PSD NVNT ac80 5210MHz Ant1



PSD NVNT ac80 5290MHz Ant1

PSD NVNT ac80 5530MHz Ant1

PSD NVNT ac80 5610MHz Ant1

PSD NVNT ac80 5690MHz Ant1

PSD NVNT ac80 5775MHz Ant1

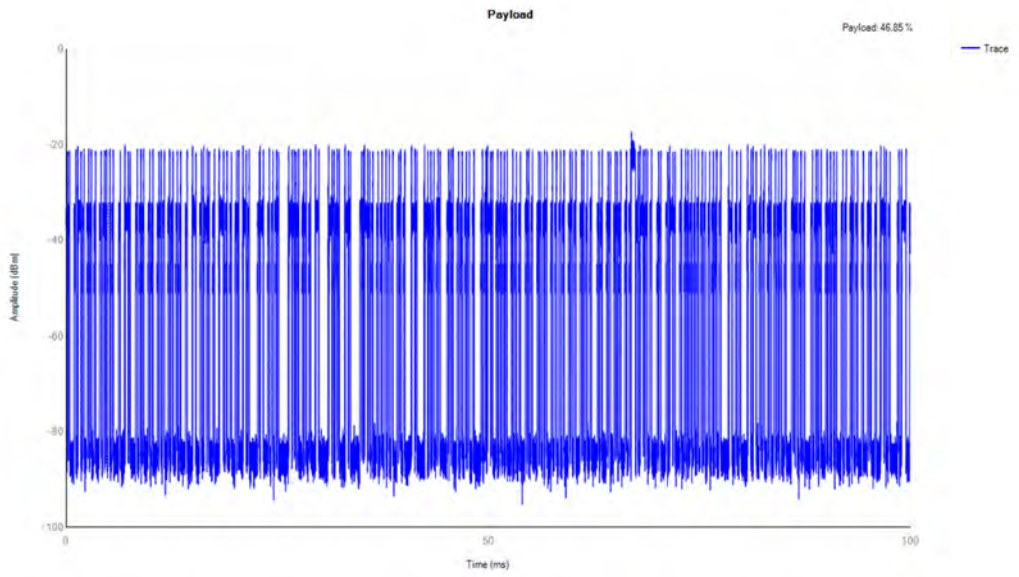
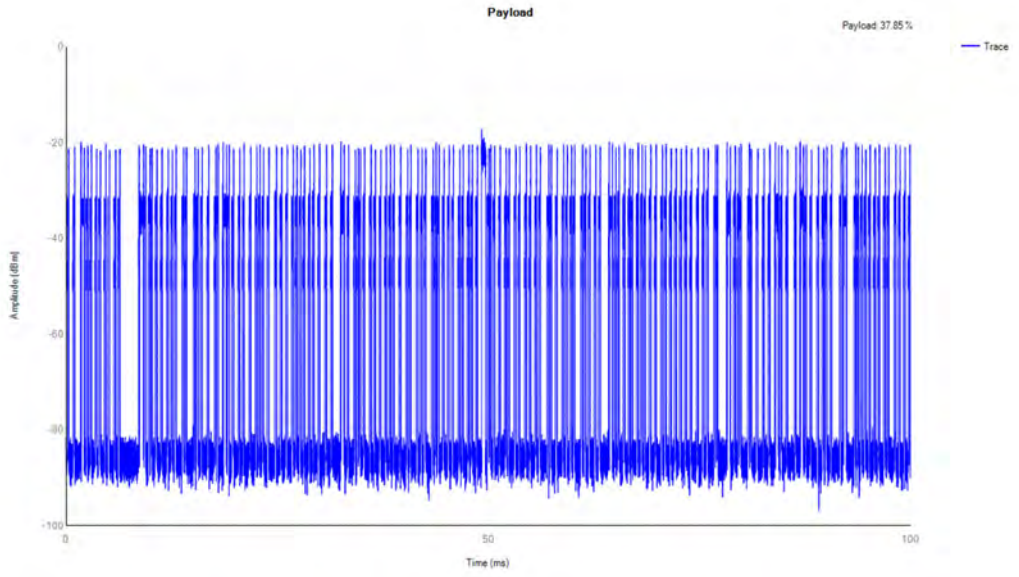
A.5. Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
20C 3.5V	Carrier	5180	Ant1	5180.004	4000	0.77	25	Pass
20C 4.45V	Carrier	5180	Ant1	5180.004	4000	0.77	25	Pass
0C 3.87V	Carrier	5180	Ant1	5180.004	4000	0.77	25	Pass
10C 3.87V	Carrier	5180	Ant1	5180.004	4000	0.77	25	Pass
20C 3.87V	Carrier	5180	Ant1	5180.004	4000	0.77	25	Pass
35C 3.87V	Carrier	5180	Ant1	5180.004	4000	0.77	25	Pass
20C 3.5V	Carrier	5260	Ant1	5260.004	4000	0.76	25	Pass
20C 4.45V	Carrier	5260	Ant1	5260.004	4000	0.76	25	Pass
0C 3.87V	Carrier	5260	Ant1	5260.004	4000	0.76	25	Pass
10C 3.87V	Carrier	5260	Ant1	5260.004	4000	0.76	25	Pass
20C 3.87V	Carrier	5260	Ant1	5260.004	4000	0.76	25	Pass
35C 3.87V	Carrier	5260	Ant1	5260.004	4000	0.76	25	Pass
20C 3.5V	Carrier	5500	Ant1	5500.004	4000	0.73	25	Pass
20C 4.45V	Carrier	5500	Ant1	5500.004	4000	0.73	25	Pass
0C 3.87V	Carrier	5500	Ant1	5500.004	4000	0.73	25	Pass
10C 3.87V	Carrier	5500	Ant1	5500.004	4000	0.73	25	Pass
20C 3.87V	Carrier	5500	Ant1	5500.004	4000	0.73	25	Pass
35C 3.87V	Carrier	5500	Ant1	5500.004	4000	0.73	25	Pass
20C 3.5V	Carrier	5745	Ant1	5745.004	4000	0.7	25	Pass
20C 4.45V	Carrier	5745	Ant1	5745.004	4000	0.7	25	Pass
0C 3.87V	Carrier	5745	Ant1	5745.004	4000	0.7	25	Pass
10C 3.87V	Carrier	5745	Ant1	5745.004	4000	0.7	25	Pass
20C 3.87V	Carrier	5745	Ant1	5745.004	4000	0.7	25	Pass
35C 3.87V	Carrier	5745	Ant1	5745.004	4000	0.7	25	Pass

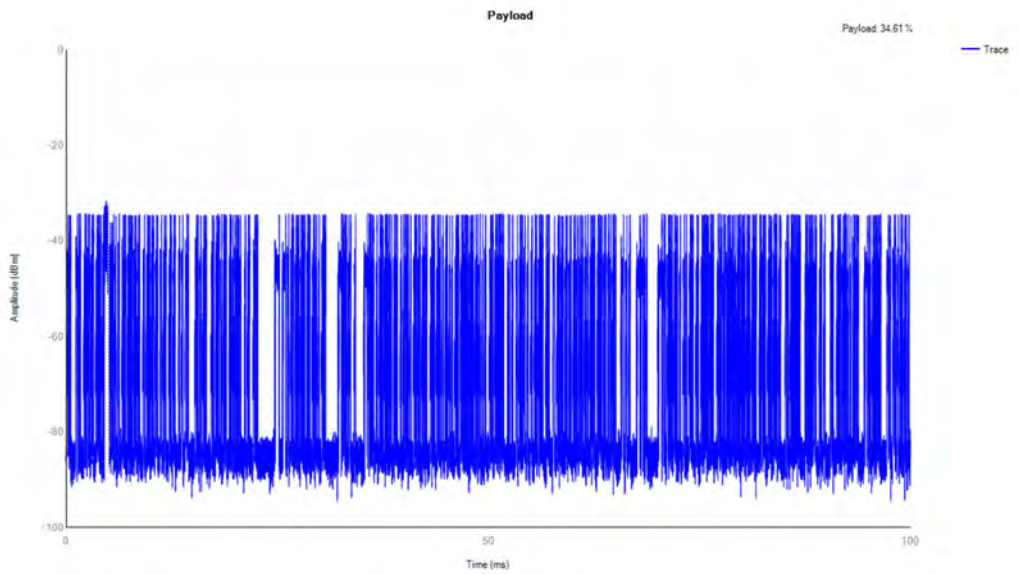
A.6. Dynamic Frequency Selection

Payload

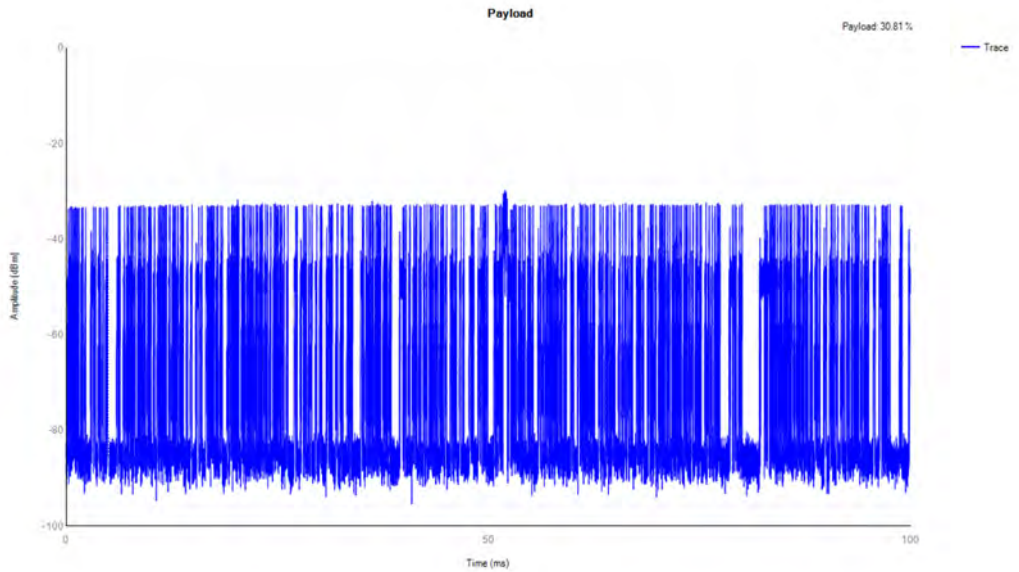
Mode	Frequency (MHz)	Result	Verdict
a	5320	46.85	Pass
a	5500	37.85	Pass
ac80	5290	34.61	Pass
ac80	5530	30.81	Pass

Test Graphs
a 5320MHz Payload

a 5500MHz Payload


ac80 5290MHz Payload

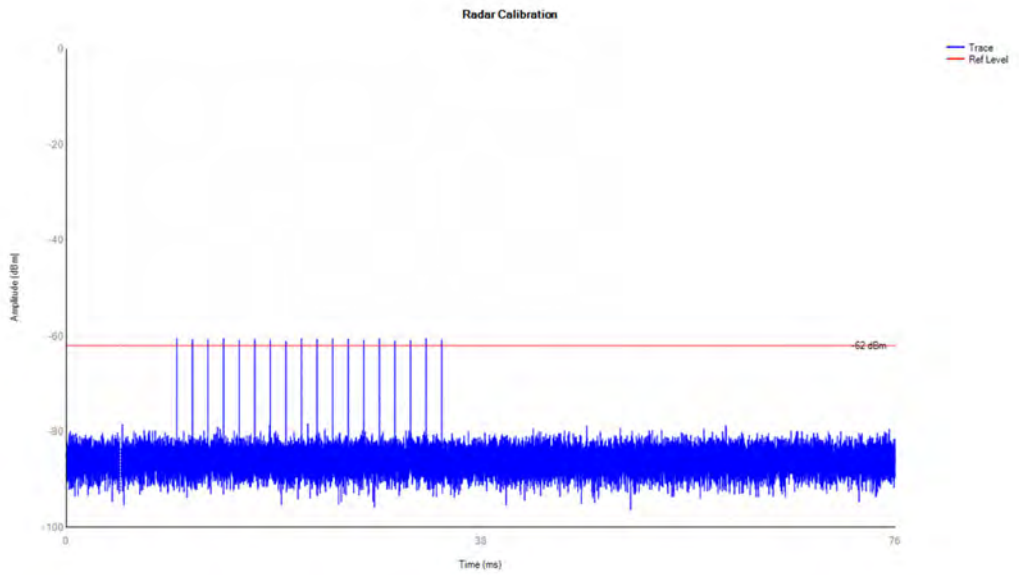
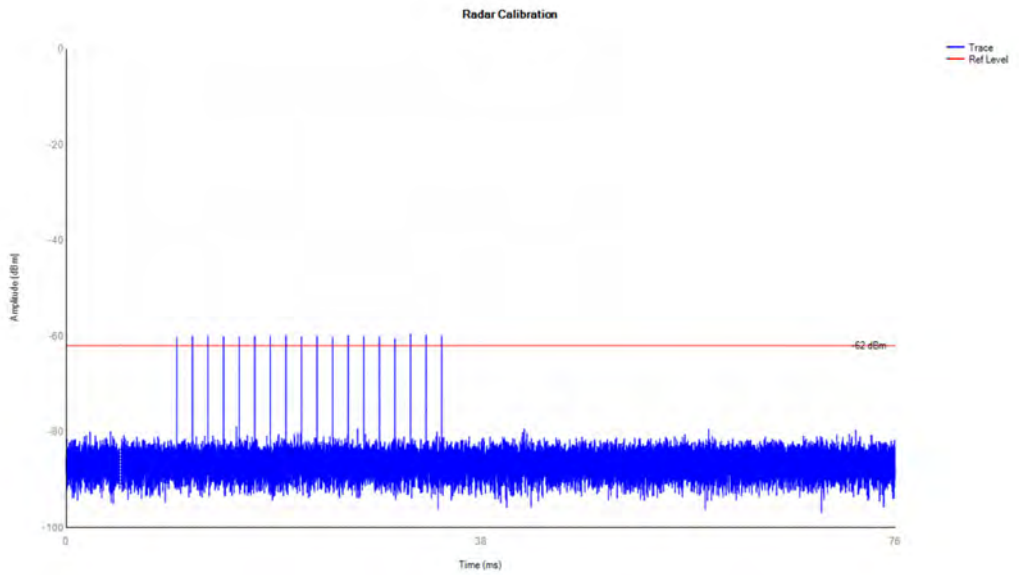


ac80 5530MHz Payload

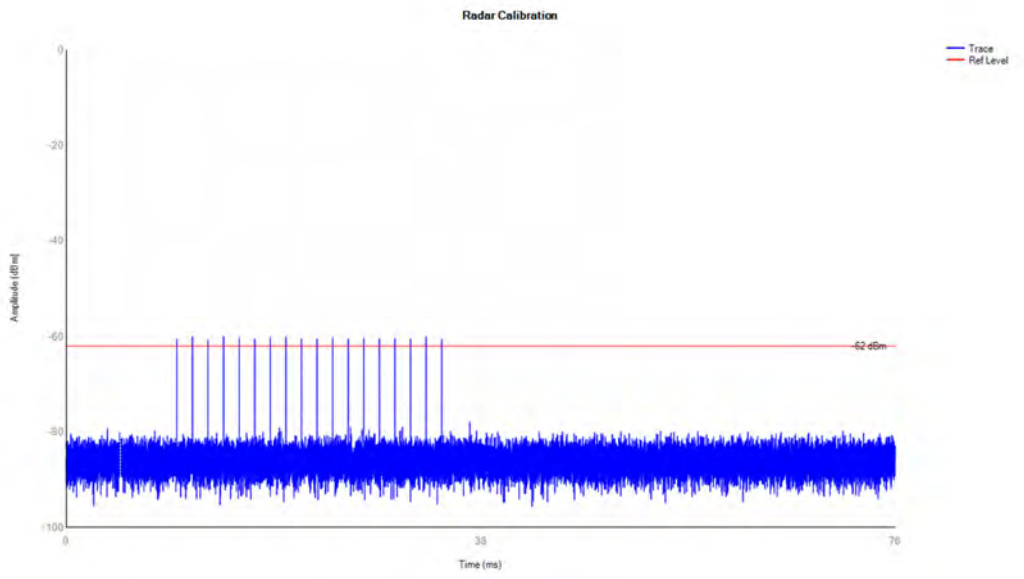


Calibration

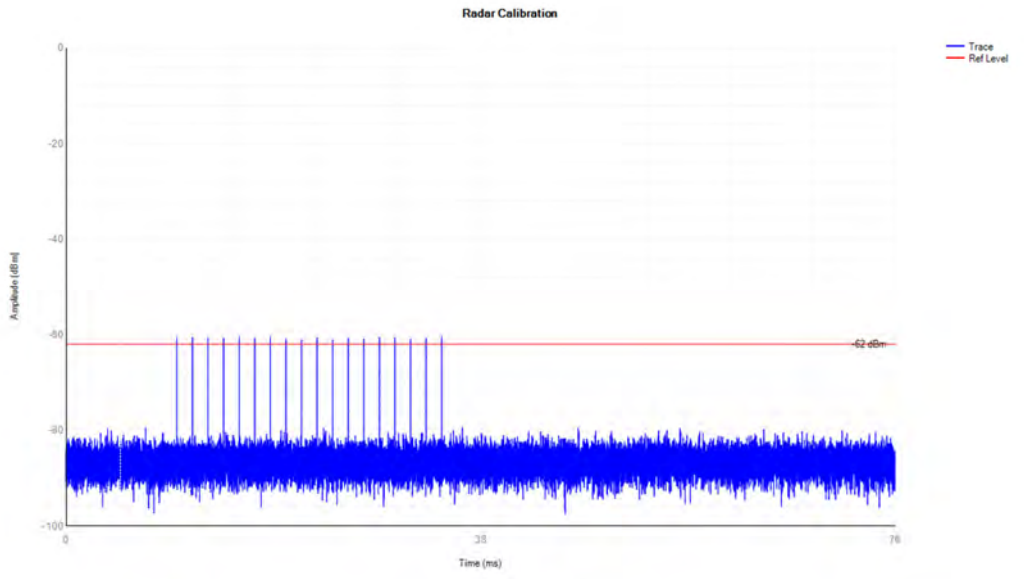
Mode	Frequency (MHz)	Type	Result	Verdict
a	5320	DFS_FCC_T0	See test Graph	Pass
a	5500	DFS_FCC_T0	See test Graph	Pass
ac80	5290	DFS_FCC_T0	See test Graph	Pass
ac80	5530	DFS_FCC_T0	See test Graph	Pass

Test Graphs
5320MHz DFS_FCC_T0

5500MHz DFS_FCC_T0


5290MHz DFS_FCC_T0



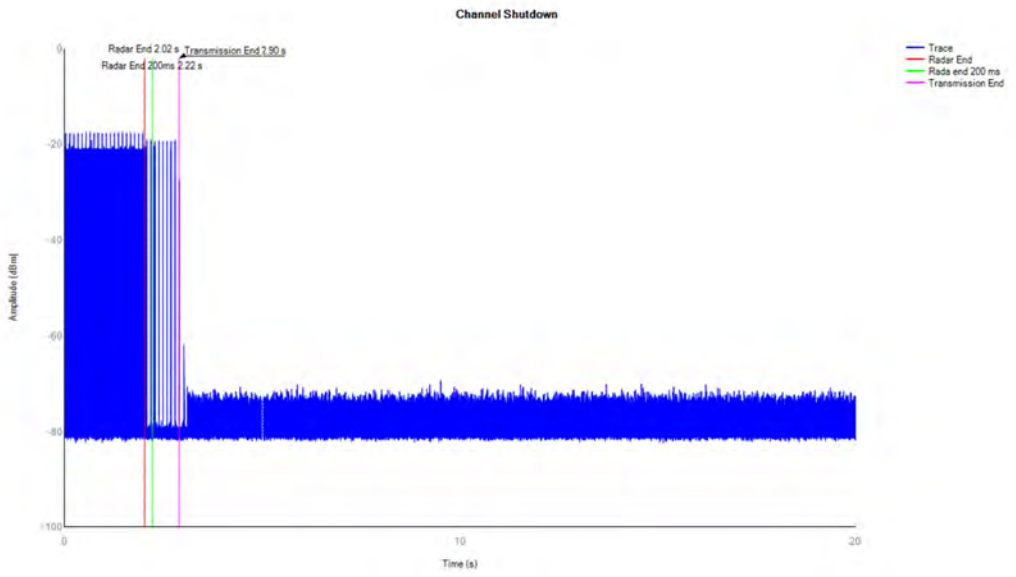
5530MHz DFS_FCC_T0



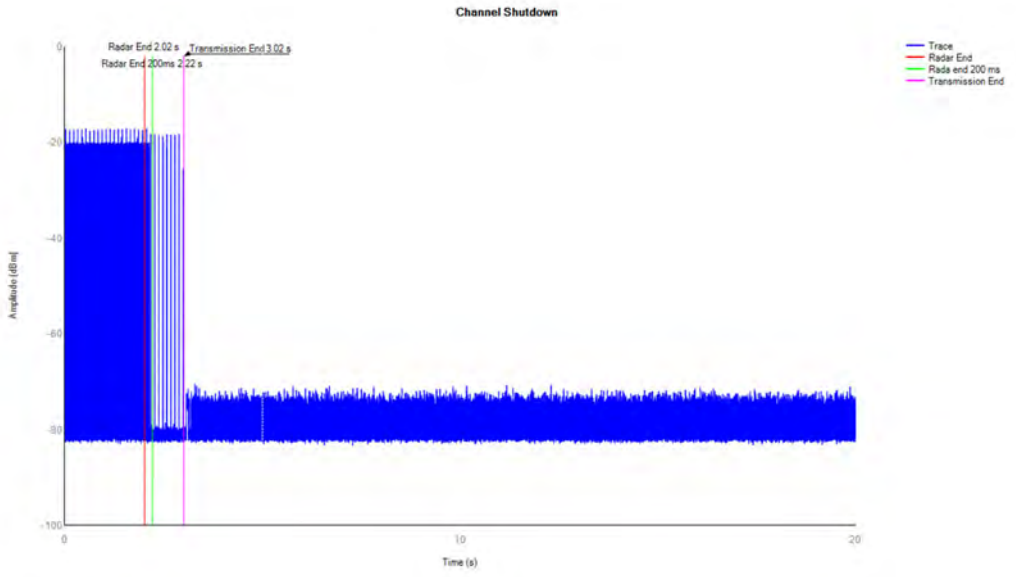
Channel Move Time and Channel Closing Transmission Time

Mode	Frequency (MHz)	Channel Move Time (s)	Limit Channel Move Time (s)	Close Transmission Time (s)	Limit Close Transmission Time (s)	Close Transmission Time after 200ms(s)	Limit Close Transmission Time after 200ms (s)	Verdict
a	5320	0.876	10	0.033	0.26	0.017	0.06	Pass
a	5500	0.991	10	0.08	0.26	0.035	0.06	Pass
ac80	5290	1.042	10	0.072	0.26	0.035	0.06	Pass
ac80	5530	0.772	10	0.021	0.26	0.013	0.06	Pass

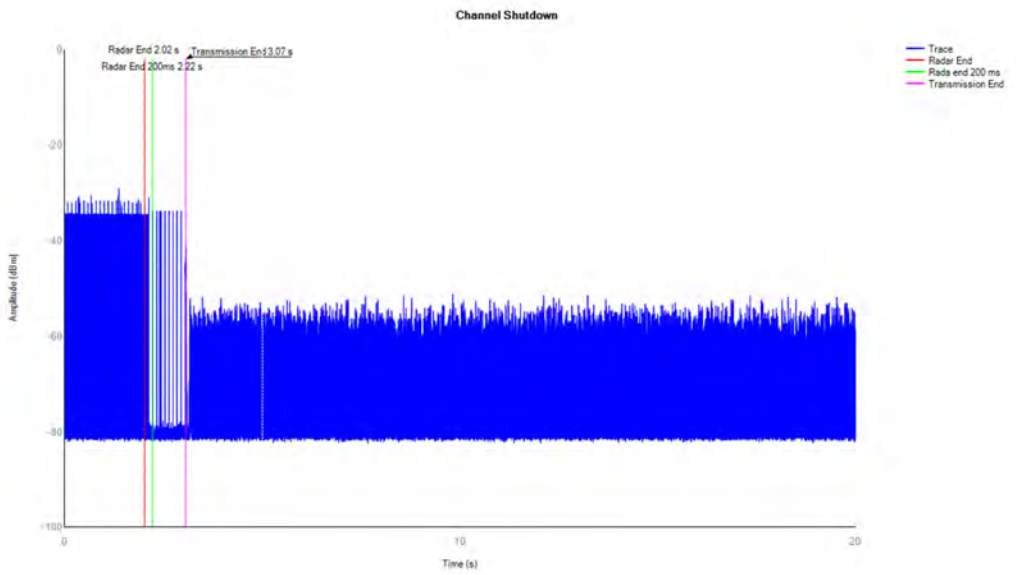
Test Graphs
a 5320MHz Shutdown



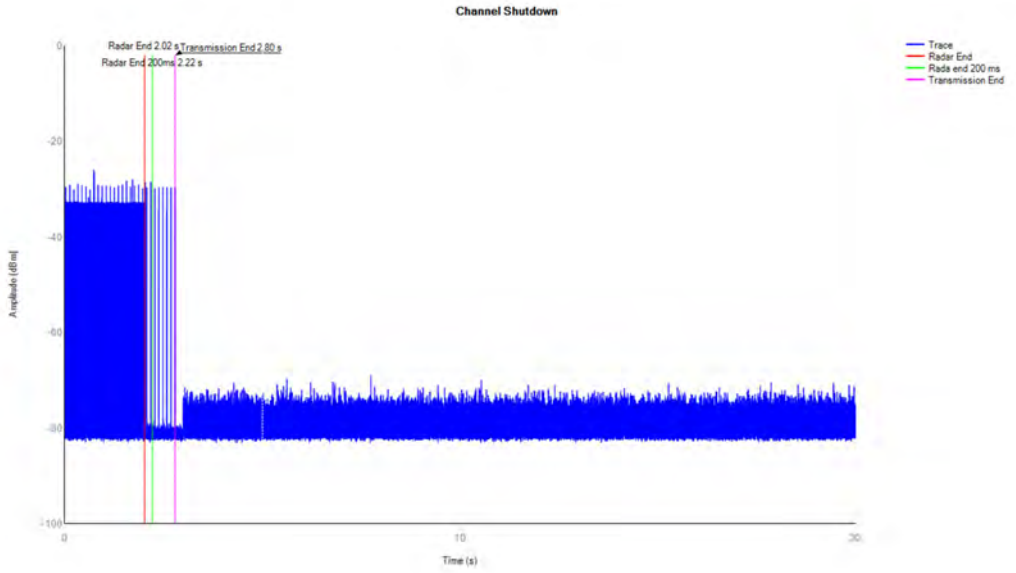
a 5500MHz Shutdown



ac80 5290MHz Shutdown



ac80 5530MHz Shutdown

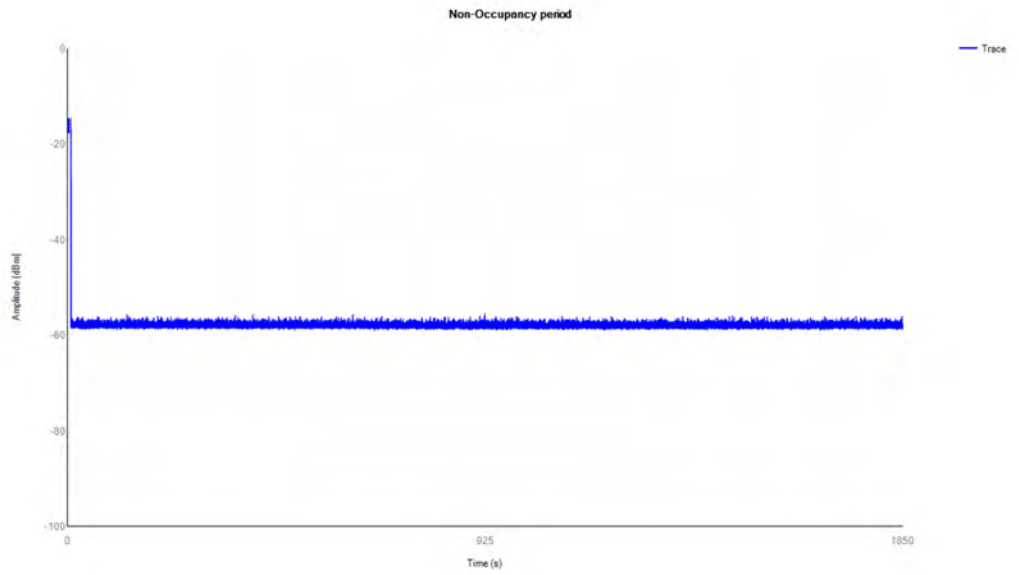


Non-Occupancy Period

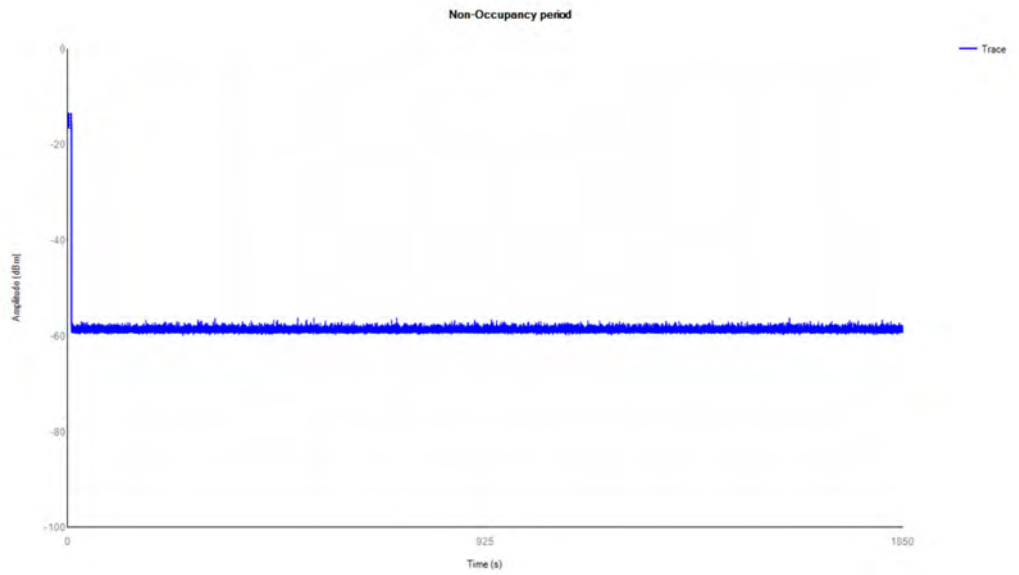
Mode	Frequency (MHz)	Result	Verdict
a	5320	See test Graph	Pass
a	5500	See test Graph	Pass

Test Graphs

a 5320MHz Non-Occupancy



a 5500MHz Non-Occupancy



A.7. Conducted Emission

The maximum conducted interference is searched using Peak (PK), if the emission levels more than the AV and QP limits, and that have narrow margins from the AV and QP limits will be re-measured with AV and QP detectors. Tests for both L phase and N phase lines of the power mains connected to the EUT are performed. Set RBW=9kHz, VBW=30kHz. Refer to recorded points and plots below.

Note: Both of the test voltage AC 120V/60Hz and AC 230V/50Hz were considered and tested respectively, only the results of the worst case AC 120V/60Hz were recorded in this report.

A. Test Setup:

Test Mode: EUT + Adapter + WIFI TX

Test voltage: AC 120V/60Hz

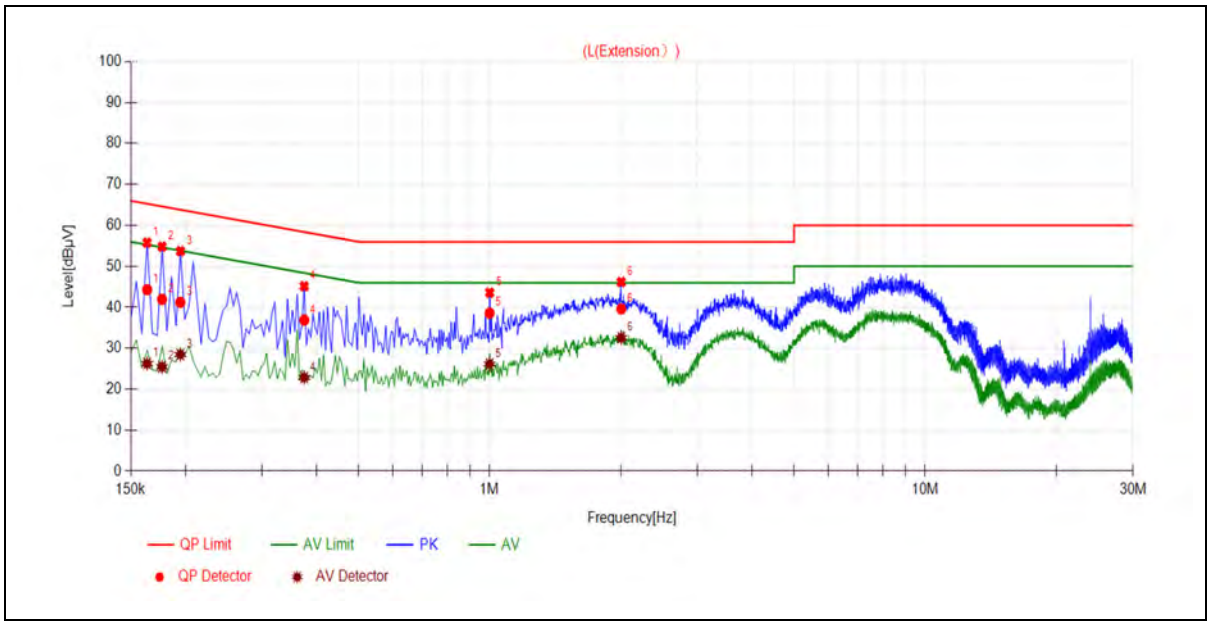
The measurement results are obtained as below:

$E\ [dB\mu V] = U_R + L_{Cable\ loss}\ [dB] + A_{Factor}$

U_R: Receiver Reading

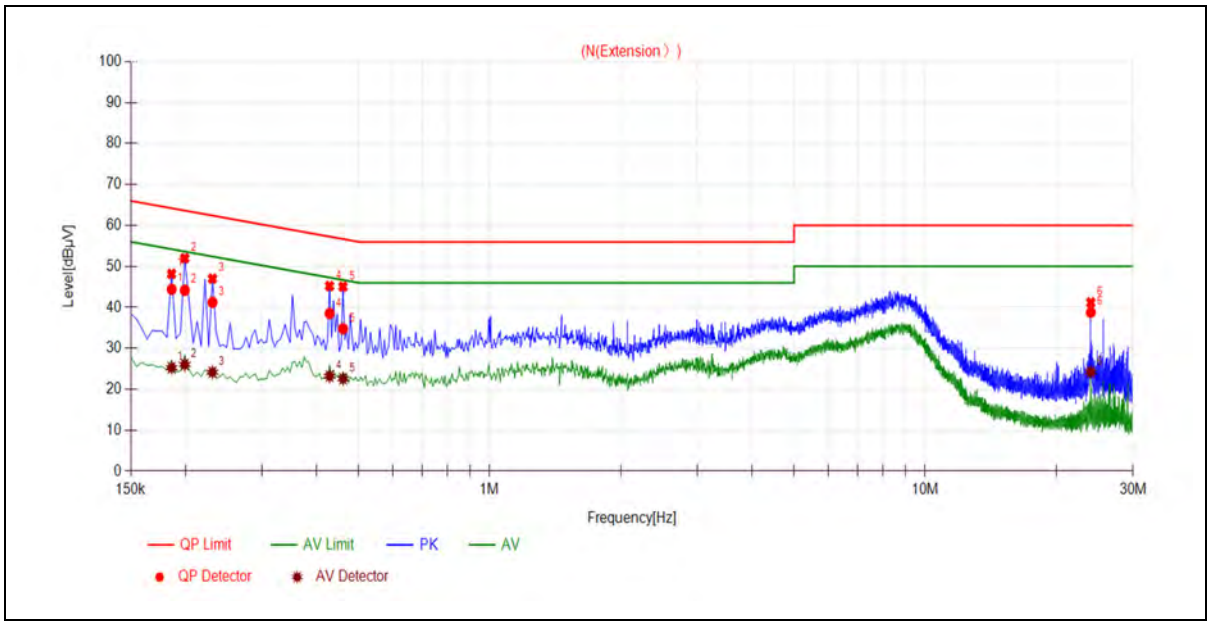
A_{Factor}: Voltage division factor of LISN

B. Test Plot:



(L Phase)

No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1635	44.32	26.24	65.29	55.29	Line	PASS
2	0.1769	41.93	25.48	64.63	54.63		PASS
3	0.1948	41.22	28.48	63.83	53.83		PASS
4	0.3752	36.87	22.86	58.39	48.39		PASS
5	0.9995	38.59	26.14	56.00	46.00		PASS
6	2.0051	39.61	32.56	56.00	46.00		PASS



(N Phase)

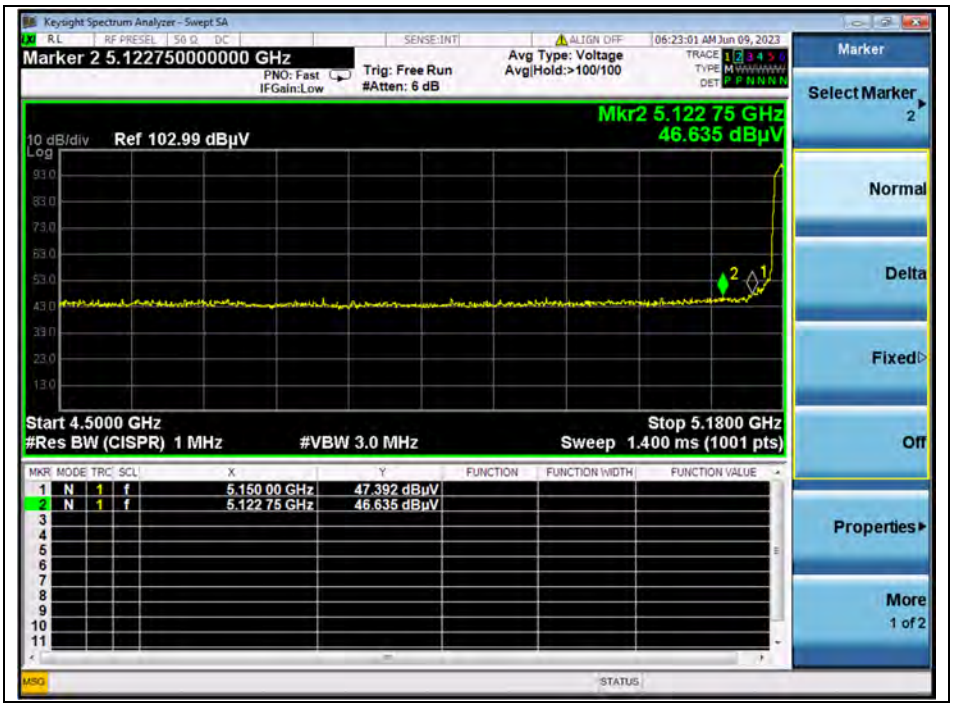
No.	Fre. (MHz)	Emission Level (dBμV)		Limit (dBμV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1861	44.40	25.26	64.21	54.21	Neutral	PASS
2	0.1995	44.17	26.05	63.63	53.63		PASS
3	0.2310	41.23	24.16	62.41	52.41		PASS
4	0.4291	38.52	23.20	57.27	47.27		PASS
5	0.4607	34.78	22.54	56.68	46.68		PASS
6	23.9979	38.82	24.21	60.00	50.00		PASS

A.8. Restricted Frequency Bands

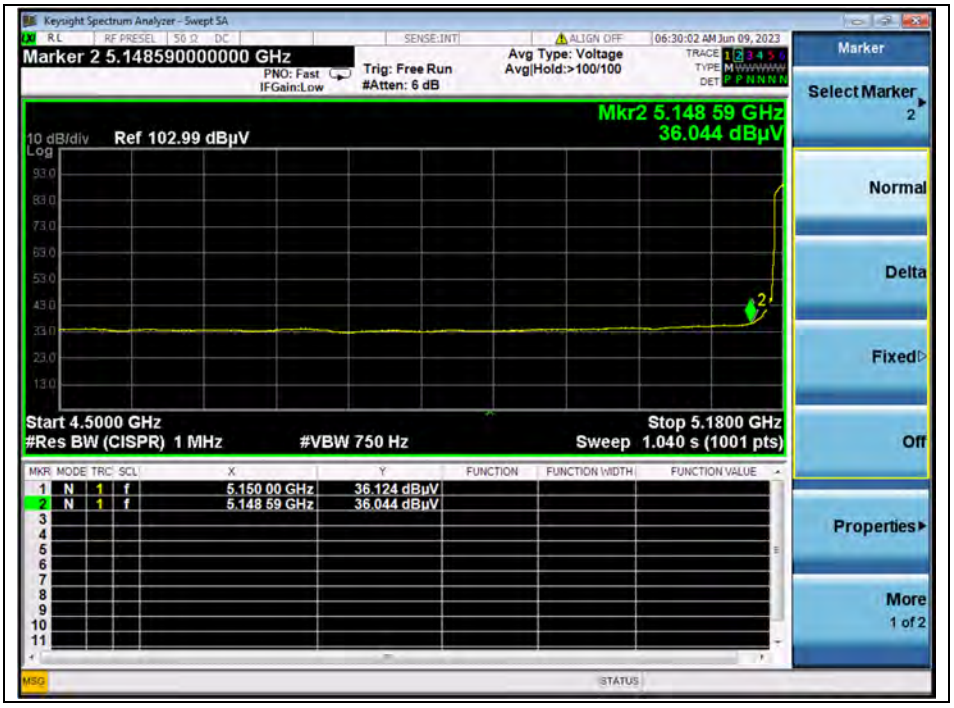
The lowest and highest channels are tested to verify the Restricted Frequency Bands.
The measurement results are obtained as below:
E [dBμV/m] $=U_R + A_T + A_{Factor}$ [dB]; $A_T = L_{Cable\ loss}$ [dB]-G_{preamp} [dB]
A_T: Total correction Factor except Antenna
U_R: Receiver Reading
G_{preamp}: Preamplifier Gain
A_{Factor}: Antenna Factor at 3m
Note 1: Restricted Frequency Bands were performed when antenna was at vertical and horizontal polarity, and only the worse test condition (vertical) was recorded in this test report.
Note 2 All test modes and bandwidth were considered and evaluated respectively by performing full test, only the worst data were recorded for each bandwidth.

802.11a Mode

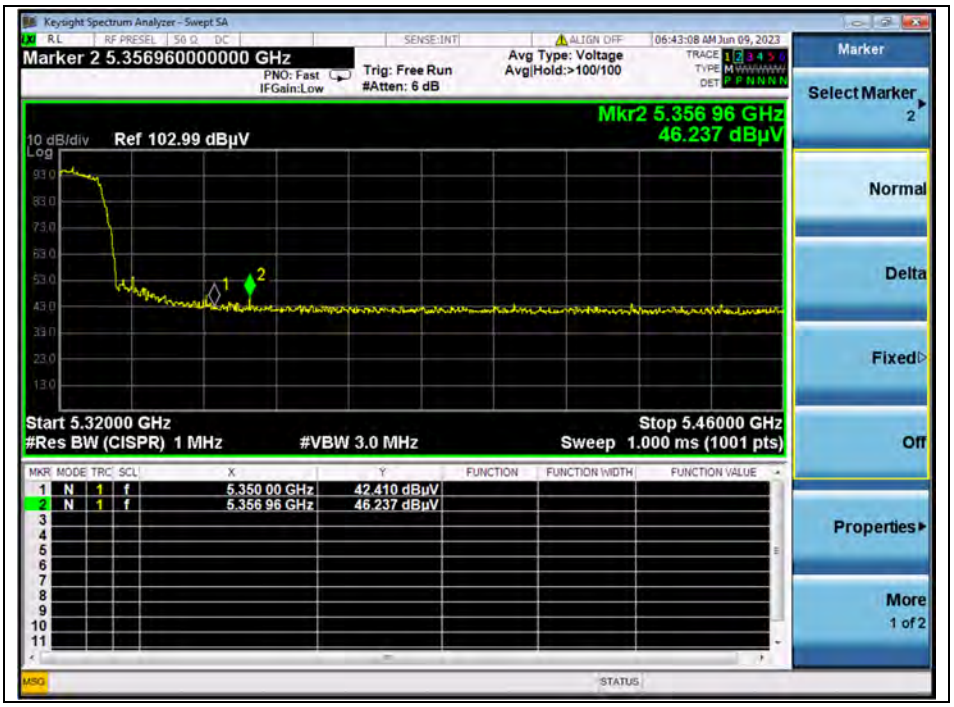
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dBμV)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV						
36	5150.00	PK	47.39	-19.54	32.20	60.05	74	PASS
36	5150.00	AV	36.12	-19.54	32.20	48.78	54	PASS
64	5356.96	PK	46.24	-18.80	32.20	59.64	74	PASS
64	5350.00	AV	34.43	-18.80	32.20	47.83	54	PASS
100	5469.69	PK	49.87	-19.20	32.20	62.87	68.23	PASS
100	5458.47	AV	34.56	-19.20	32.20	47.56	54	PASS
144	5725.00	PK	48.98	-19.20	32.20	61.98	68.23	PASS
149	5725.00	PK	70.30	-19.01	32.20	83.49	122.23	PASS
165	5850.00	PK	61.65	-19.01	32.20	74.84	122.23	PASS



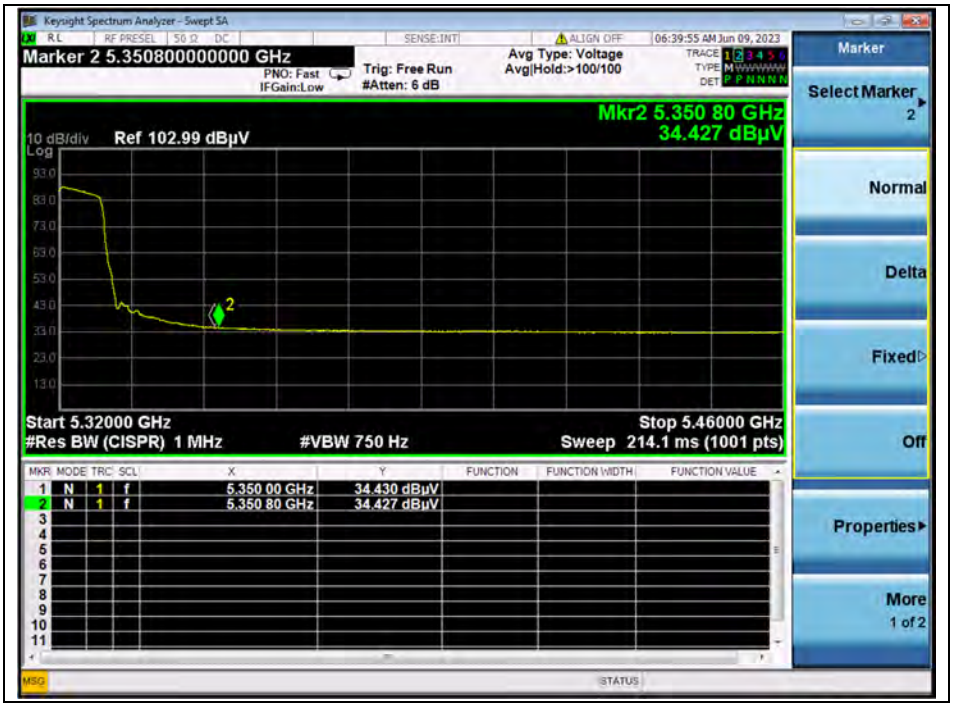
(PEAK, Channel 36, 802.11a)



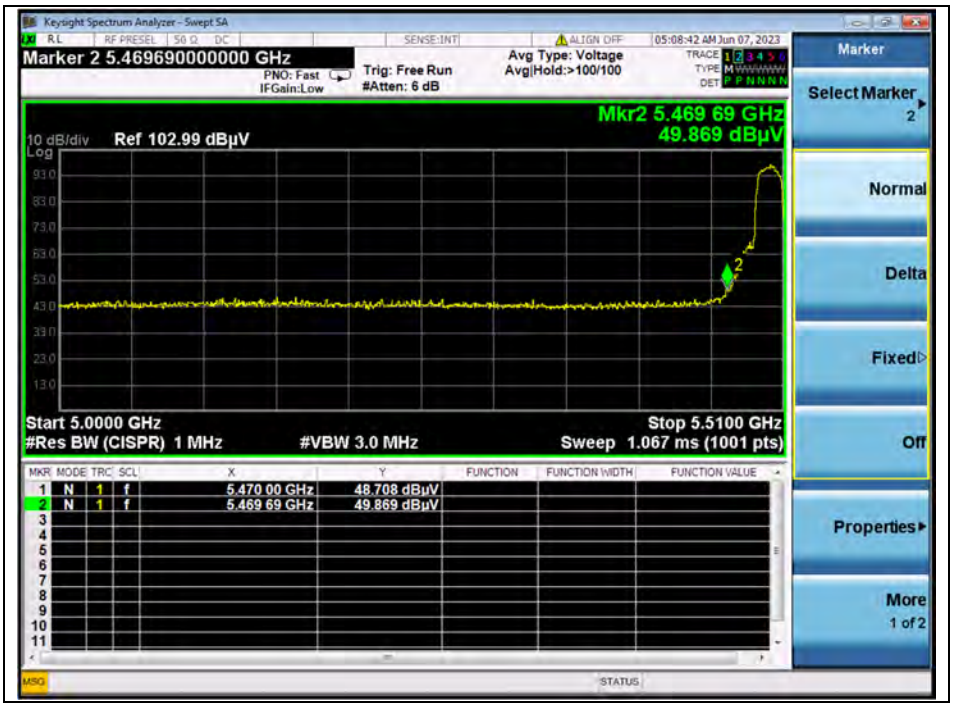
(AVERAGE, Channel 36, 802.11a)



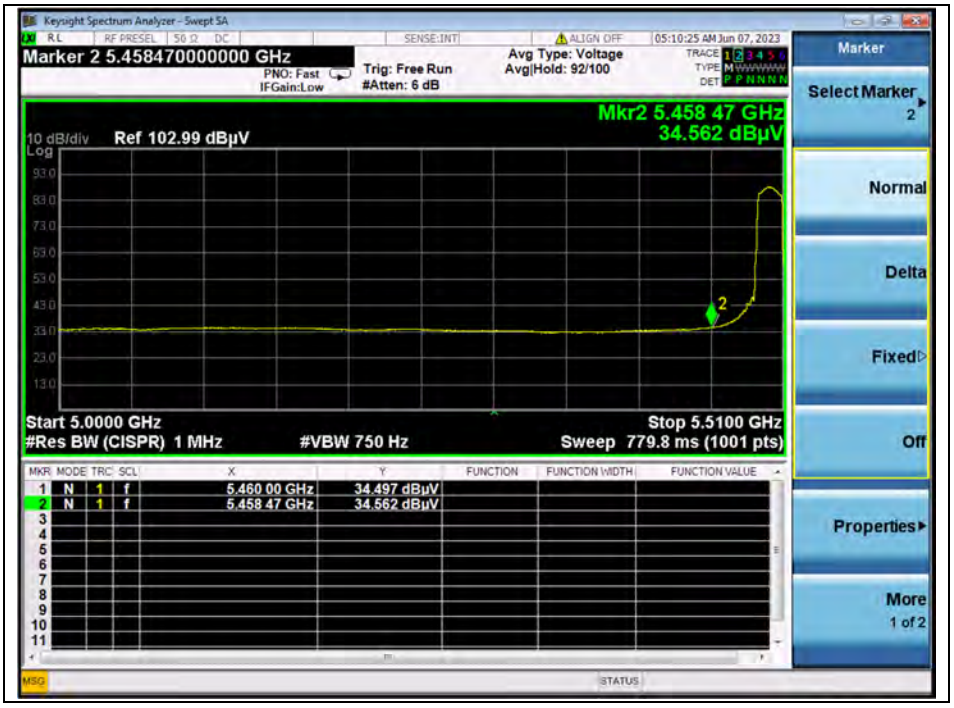
(PEAK, Channel 64, 802.11a)



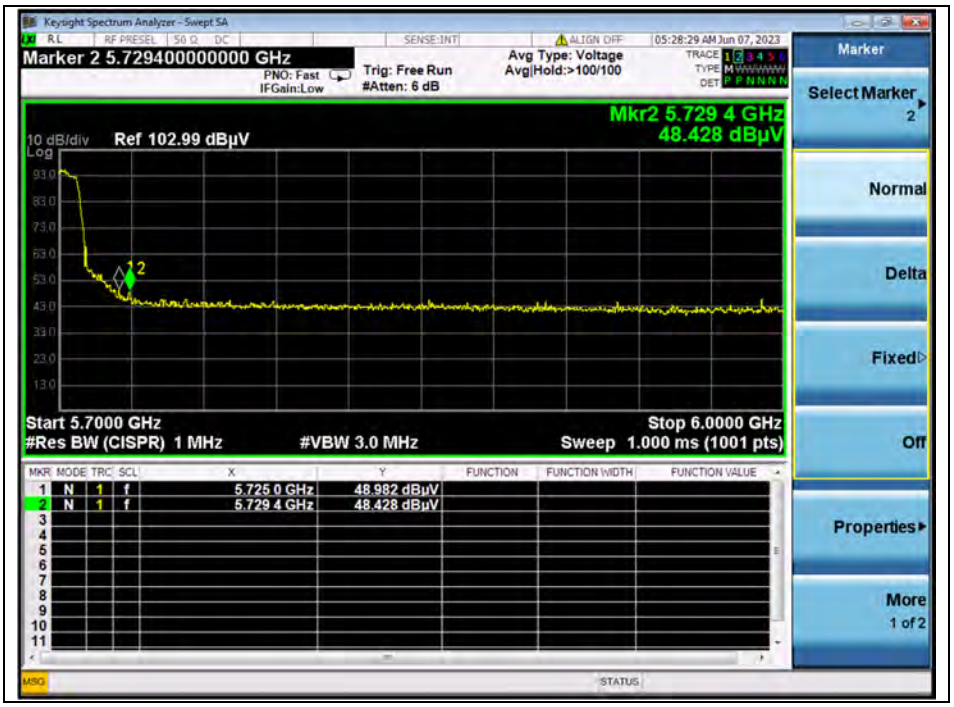
(AVERAGE, Channel 64, 802.11a)



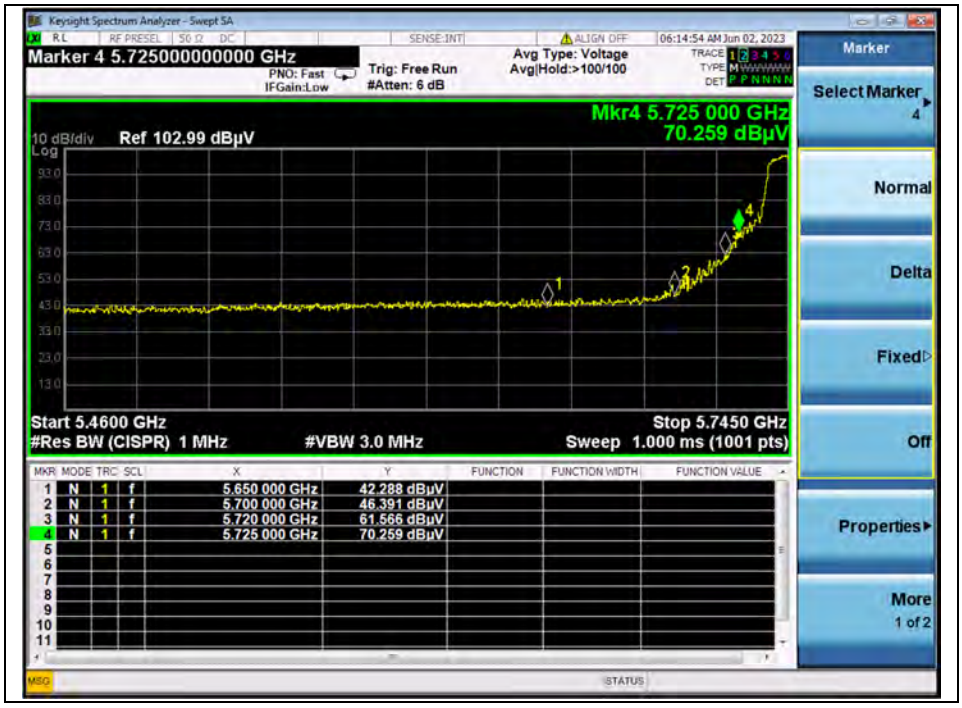
(PEAK, Channel 100, 802.11a)



(AVERAGE, Channel 100, 802.11a)



(PEAK, Channel 144, 802.11a)

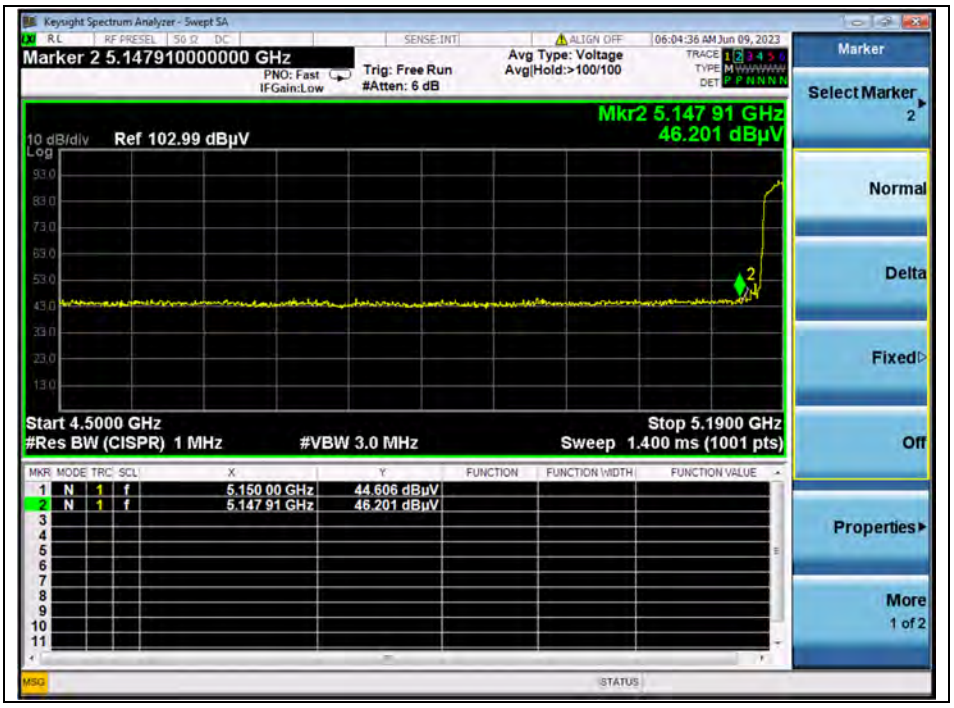


(PEAK, Channel 149, 802.11a)

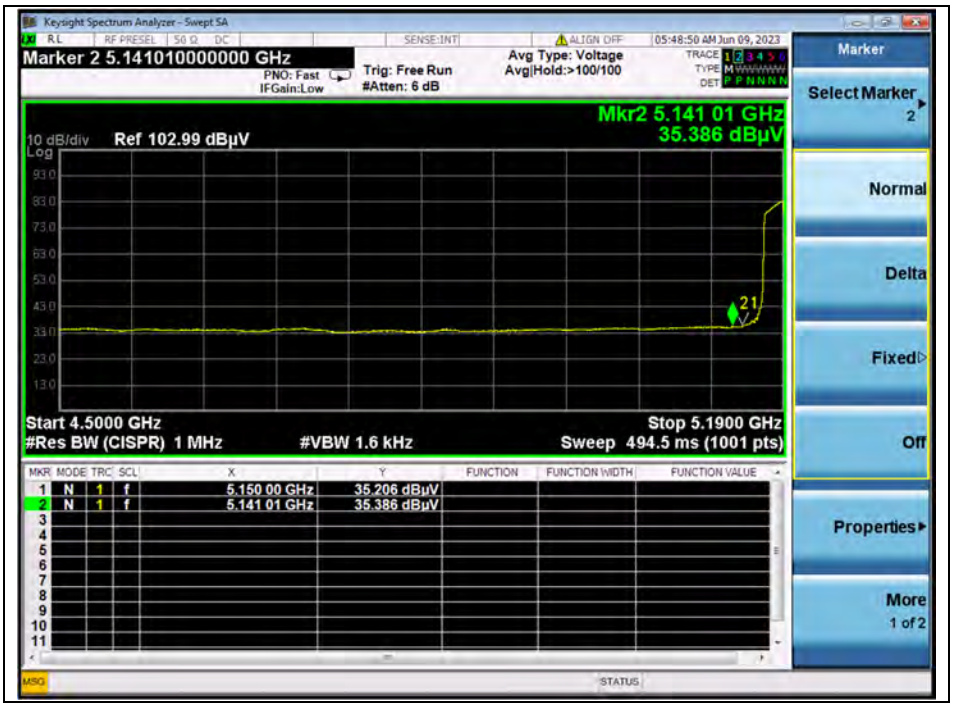
(PEAK, Channel 165, 802.11a)

802.11n (HT40) Mode

Channel	Frequency (MHz)	Detector PK/ AV	Receiver Reading U_R (dBμV)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
38	5147.91	PK	46.20	-19.54	32.20	58.86	74	PASS
38	5141.01	AV	35.39	-19.54	32.20	48.05	54	PASS
62	5350.56	PK	49.25	-18.80	32.20	62.65	74	PASS
62	5350.00	AV	35.42	-18.80	32.20	48.82	54	PASS
102	5469.54	PK	49.66	-19.20	32.20	62.66	68.23	PASS
102	5458.41	AV	34.77	-19.20	32.20	47.77	54	PASS
142	5725.77	PK	49.20	-19.20	32.20	62.20	68.23	PASS
151	5725.00	PK	72.80	-19.01	32.20	85.99	122.23	PASS
159	5850.00	PK	57.09	-19.01	32.20	70.28	122.23	PASS

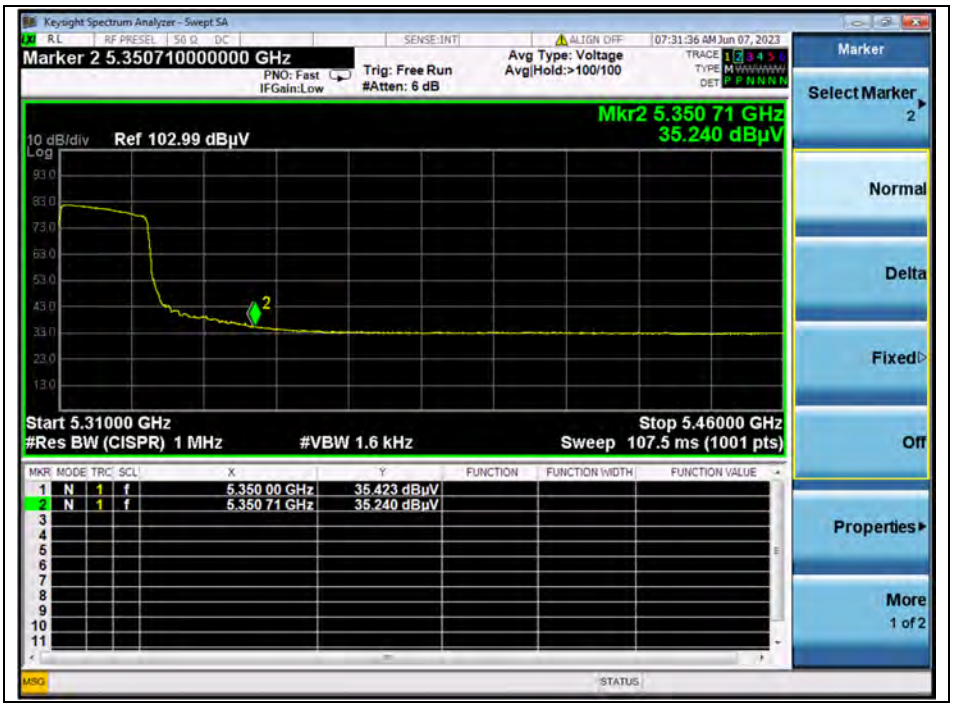


(PEAK, Channel 38, 802.11n (HT40))

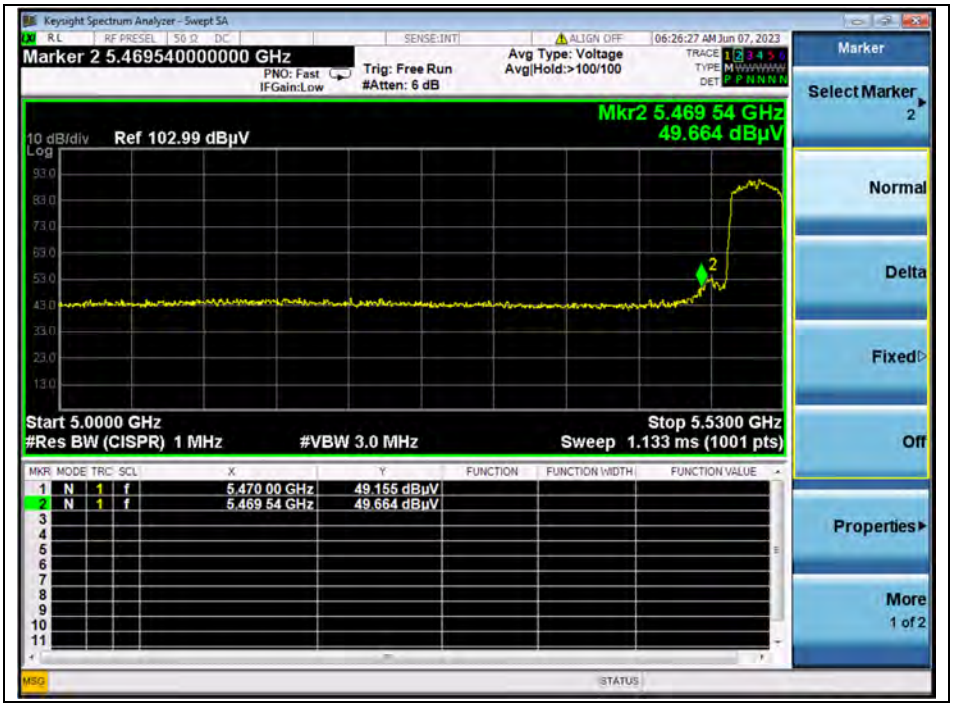


(AVERAGE, Channel 38, 802.11n (HT40))

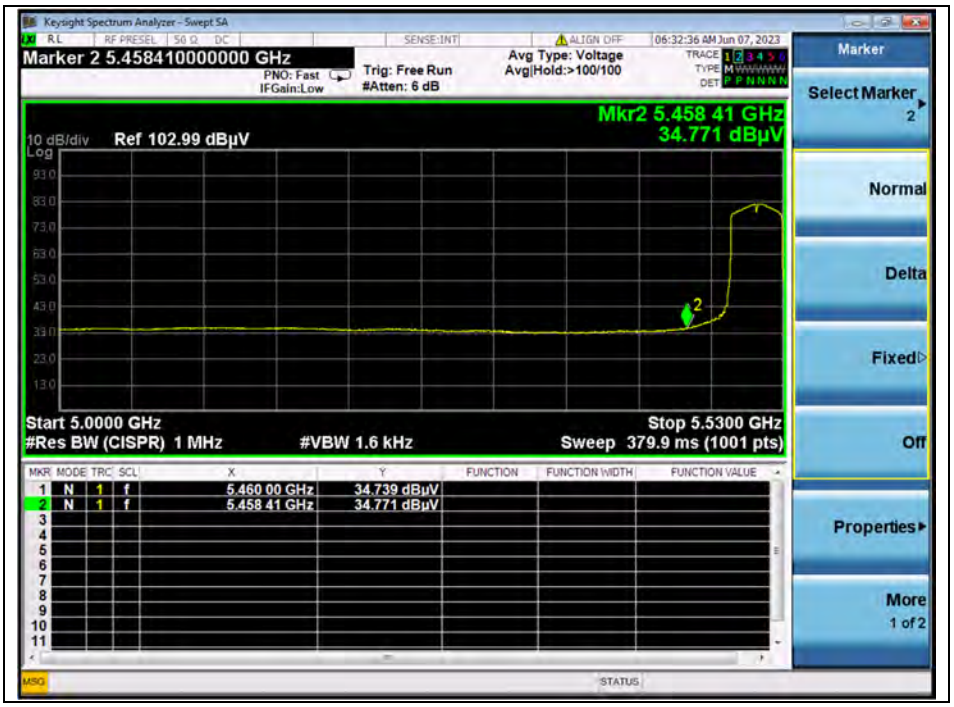
(PEAK, Channel 62, 802.11n (HT40))



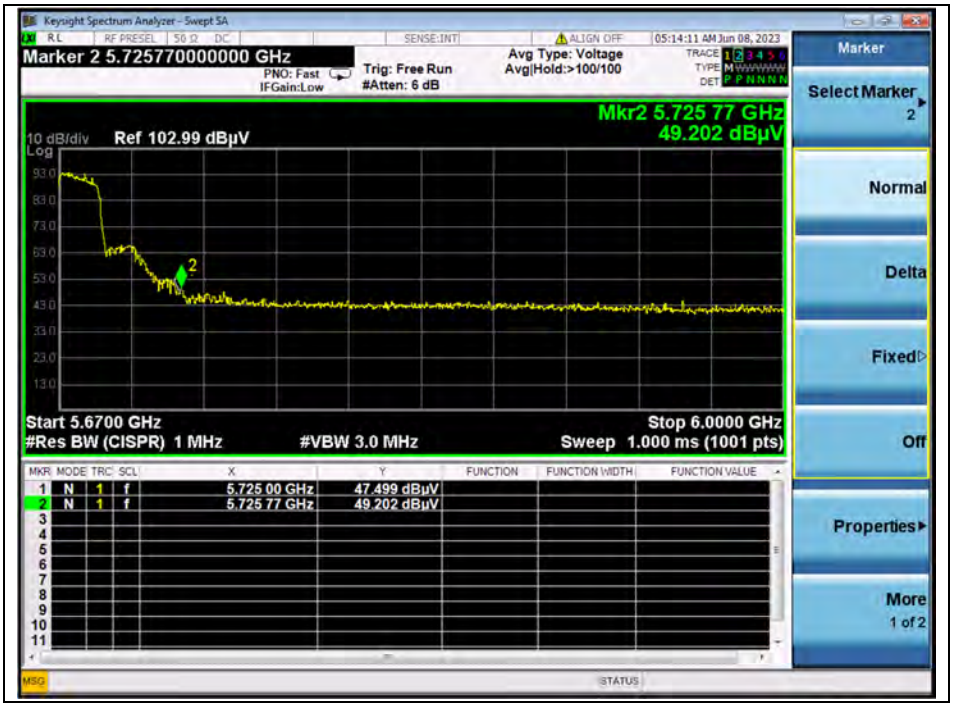
(AVERAGE, Channel 62, 802.11n (HT40))



(PEAK, Channel 102, 802.11n (HT40))



(AVERAGE, Channel 102, 802.11n (HT40))



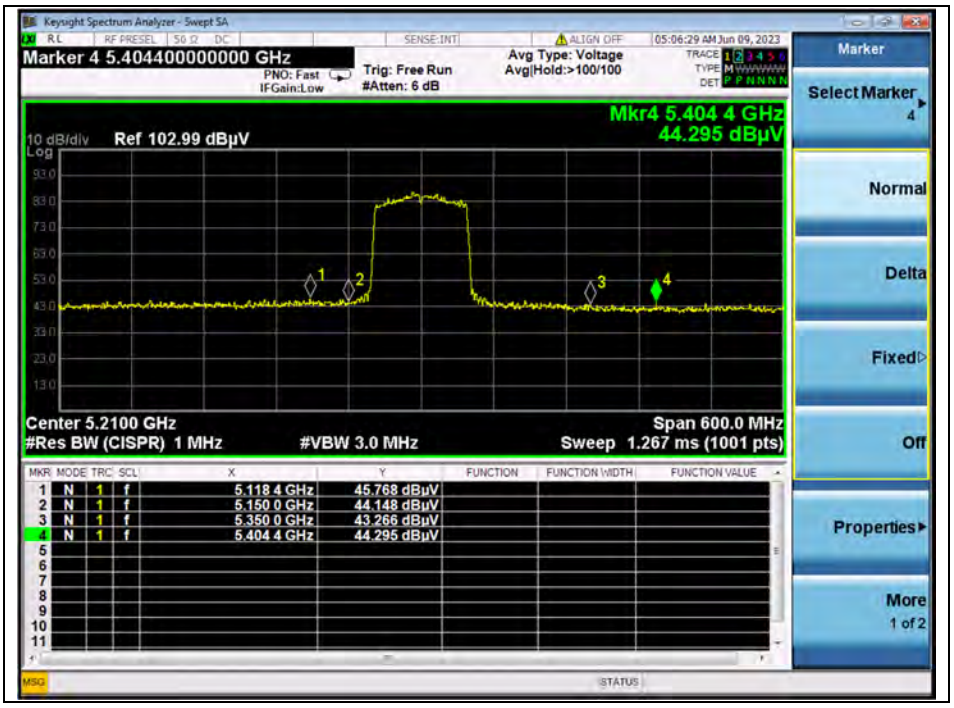
(PEAK, Channel 142, 802.11n (HT40))

(PEAK, Channel 151, 802.11n (HT40))

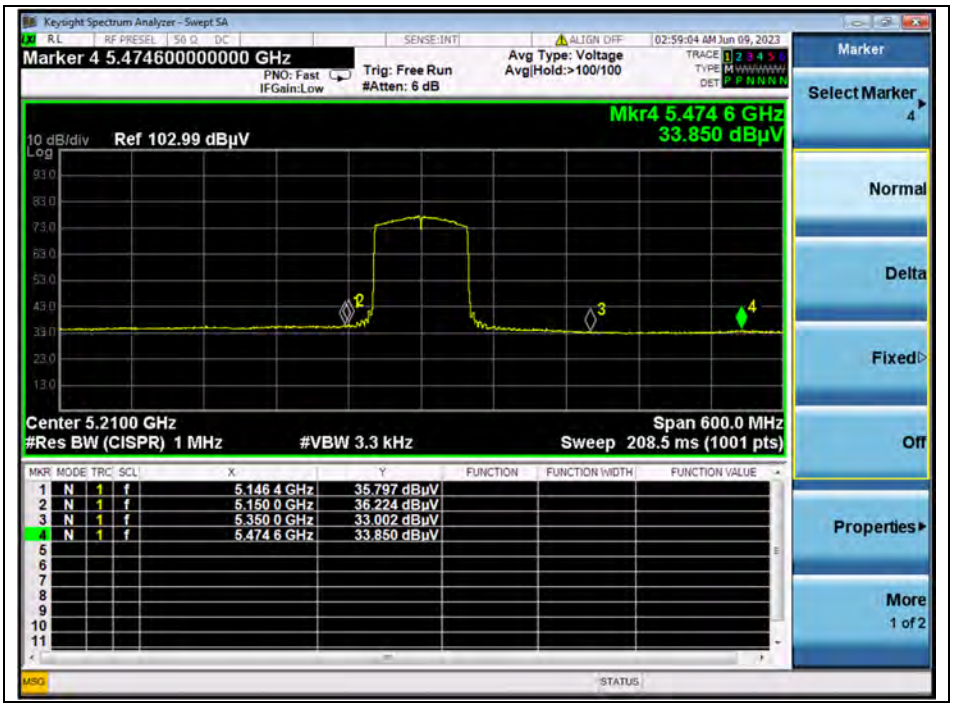
(PEAK, Channel 159, 802.11n (HT40))

802.11ac (VHT80) Mode

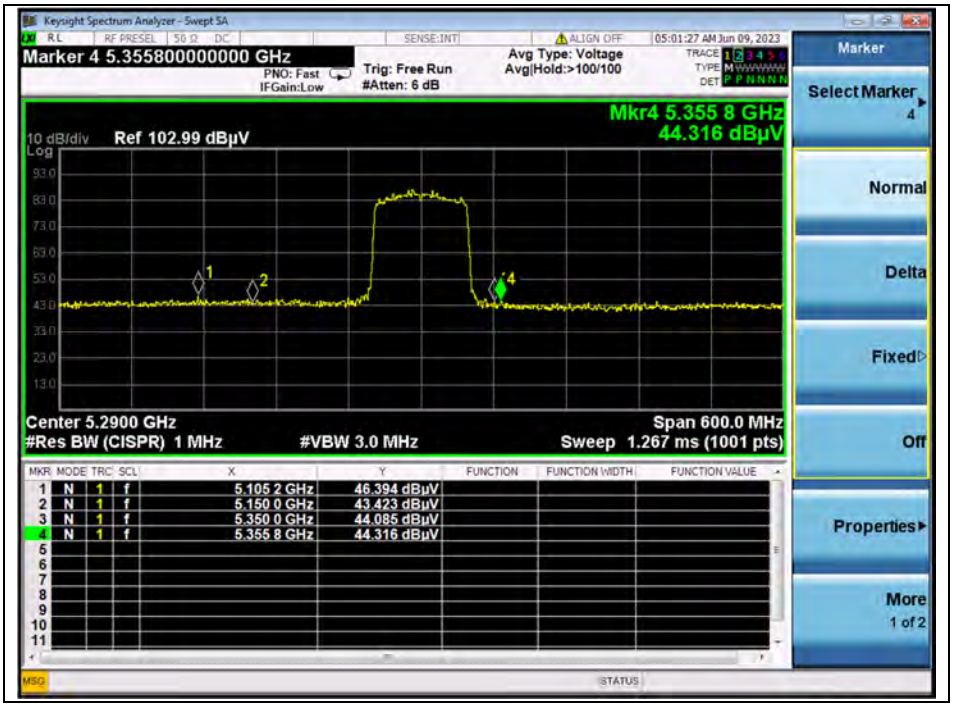
Channel	Frequency (MHz)	Detector PK/ AV	Receiver Reading U_R (dBμV)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
42	5118.40	PK	45.77	-19.54	32.20	58.43	74	PASS
42	5150.00	AV	36.22	-19.54	32.20	48.88	54	PASS
58	5105.20	PK	46.39	-18.80	32.20	59.79	74	PASS
58	5127.20	AV	35.49	-18.80	32.20	48.89	54	PASS
106	5204.58	PK	45.33	-19.20	32.20	58.33	68.23	PASS
106	5116.60	AV	35.71	-19.20	32.20	48.71	54	PASS
138	5730.51	PK	46.53	-19.20	32.20	59.53	68.23	PASS
155	5725.00	PK	64.65	-19.01	32.20	77.84	122.23	PASS
155	5850.00	PK	57.15	-19.01	32.20	70.34	122.23	PASS



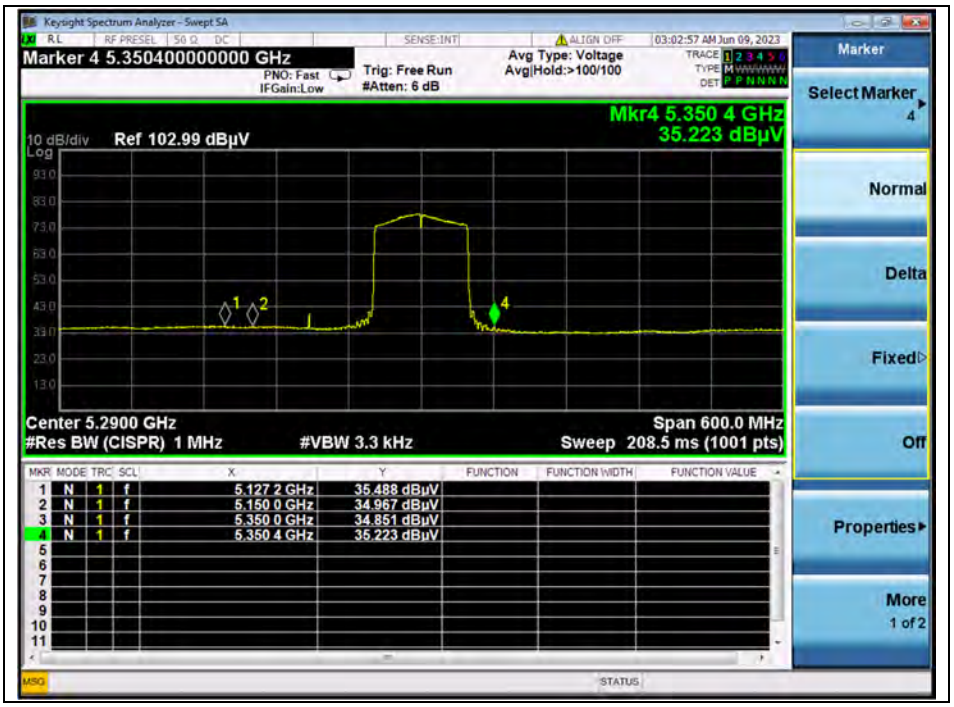
(PEAK, Channel 42, 802.11ac (VHT80))



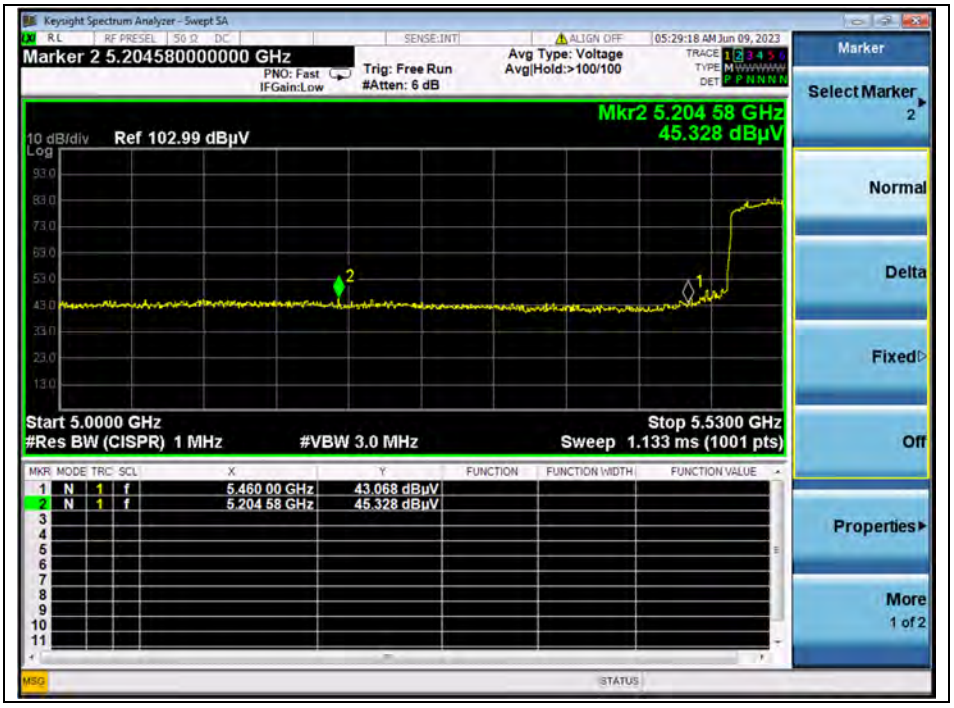
(AVERAGE, Channel 42, 802.11ac (VHT80))



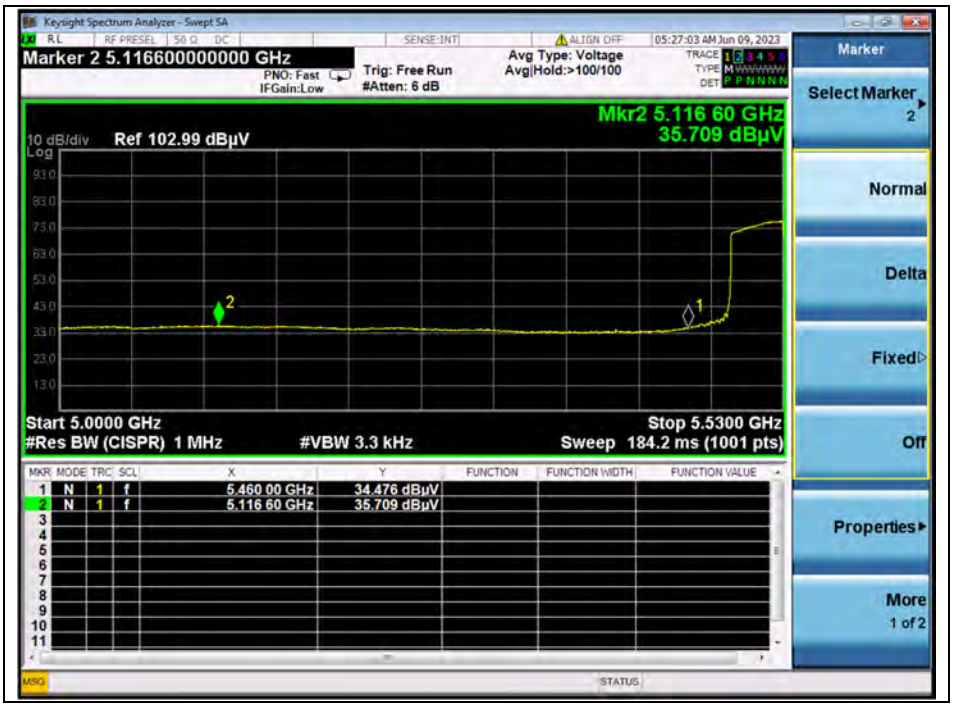
(PEAK, Channel 58, 802.11ac (VHT80))



(AVERAGE, Channel 58, 802.11ac (VHT80))



(PEAK, Channel 106, 802.11ac (VHT80))



(AVERAGE, Channel 106, 802.11ac (VHT80))

(PEAK, Channel 138, 802.11ac (VHT80))

(PEAK, Channel 155, 802.11ac (VHT80))

A.9. Radiated Emission

According to ANSI C63.10, because of peak detection will yield amplitudes equal to or greater than amplitudes measured with the quasi-peak (or average) detector, the measurement data from a spectrum analyzer peak detector will represent the worst-case results, if the peak measured value complies with the quasi-peak (or average) limit, it is unnecessary to perform an quasi-peak measurement (or average).

The measurement results are obtained as below:

E [dBμV/m] $=U_R + A_T + A_{Factor}$ [dB]; $A_T = L_{Cable\ loss}$ [dB]$-G_{preamp}$ [dB]

A_T: Total correction Factor except Antenna

U_R: Receiver Reading

G_{preamp}: Preamplifier Gain

A_{Factor}: Antenna Factor at 3m

During the test, the total correction Factor A_T and A_{Factor} were built in test software.

Note1: All radiated emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

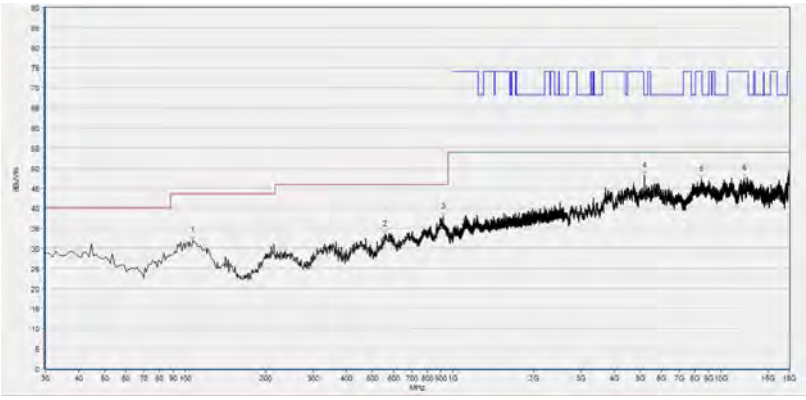
Note2: For the frequency, which started from 9kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

Note3: For the frequency, which started from 18GHz to 10th harmonic of the highest frequency, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

Note 4: All test modes and bandwidth were considered and evaluated respectively by performing full test, only the worst data were recorded for each bandwidth.

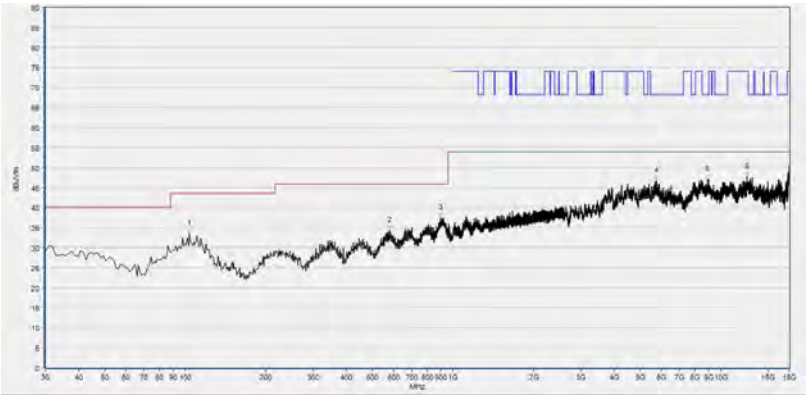
802.11a Mode

Plot for Channel 36



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
106.707	31.99	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
558.208	33.50	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
921.351	37.94	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5181.556	48.11	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8456.251	47.22	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12199.200	47.50	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

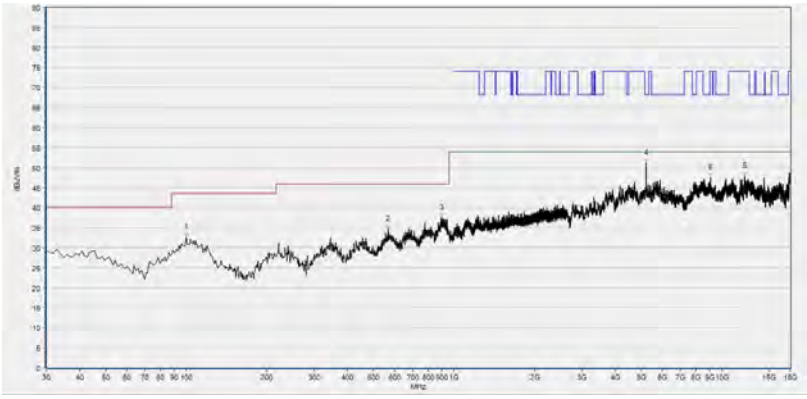
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
103.794	33.55	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
579.570	34.42	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
897.077	37.50	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5763.793	46.72	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8924.505	47.07	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12531.906	47.70	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

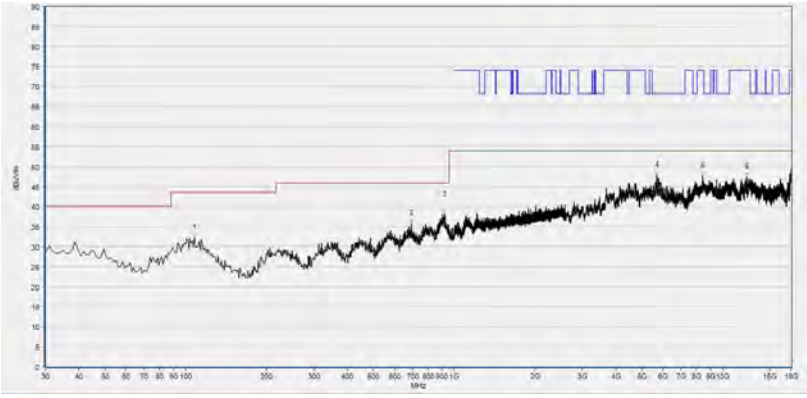
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 44



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
99.910	32.77	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
567.918	34.73	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
899.019	37.60	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5218.524	51.09	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9060.052	47.37	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12146.829	47.92	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

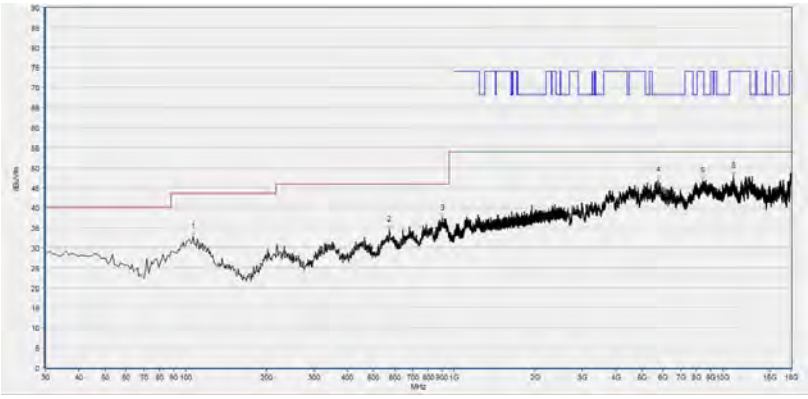
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
107.678	32.37	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
692.202	35.81	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
917.467	38.16	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5671.374	47.94	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8434.687	47.83	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12282.376	47.41	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

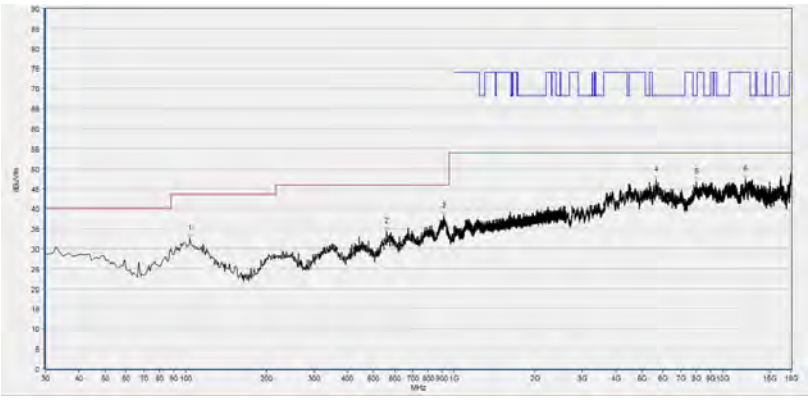
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 48



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
106.707	32.86	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
572.773	34.52	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
903.874	37.43	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5742.228	46.97	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8413.123	46.69	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10979.276	47.94	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

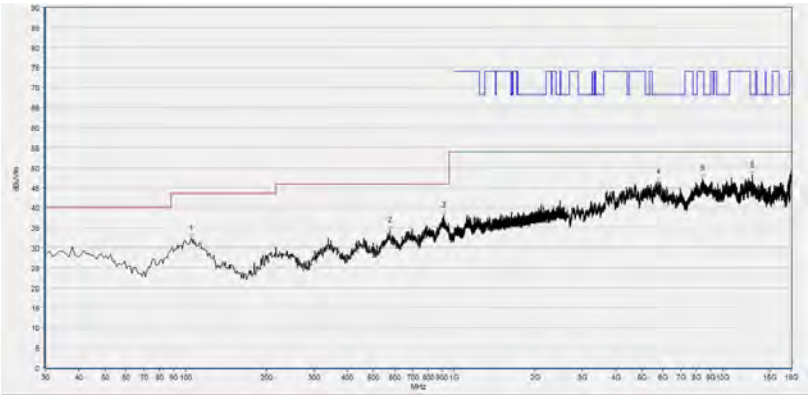
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
103.794	32.71	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
559.179	34.32	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
914.555	38.21	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5640.568	47.29	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
7984.917	46.70	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12140.668	47.51	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

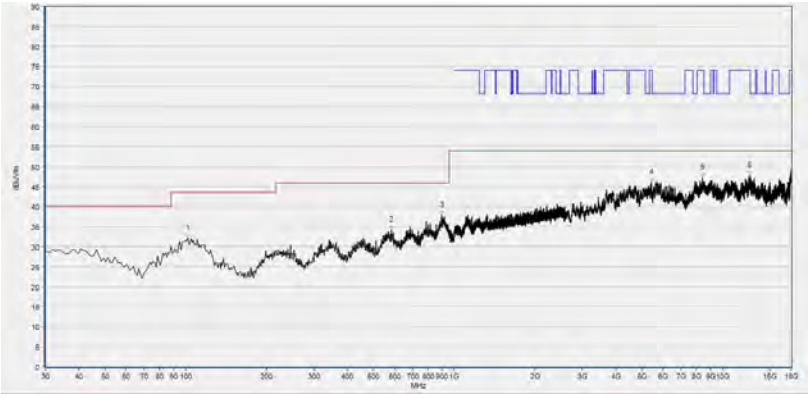
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 52



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
104.765	32.27	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
576.657	34.42	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
913.584	38.09	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5748.390	46.46	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8434.687	47.25	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12889.258	48.10	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

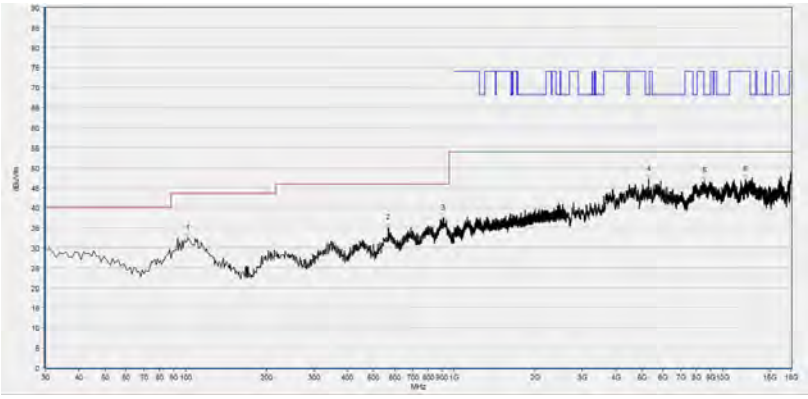
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
101.852	32.24	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
583.453	34.20	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
897.077	37.93	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5421.844	46.04	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8422.364	47.32	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12596.599	47.78	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

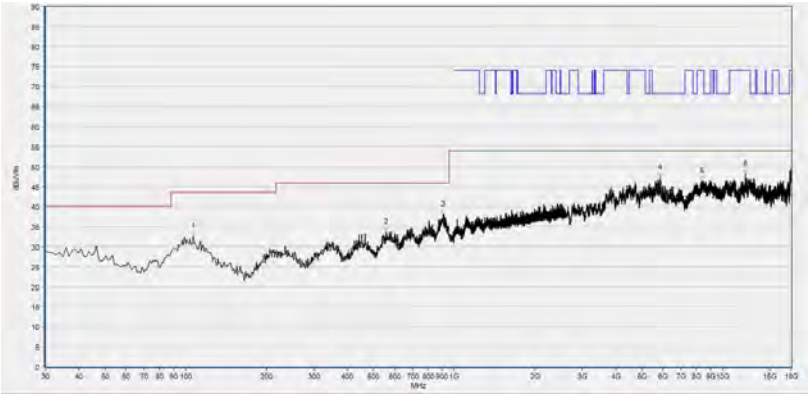
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 60



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
101.852	32.48	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
567.918	35.10	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
911.642	37.45	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5295.539	47.14	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8567.153	46.72	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12149.910	47.17	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

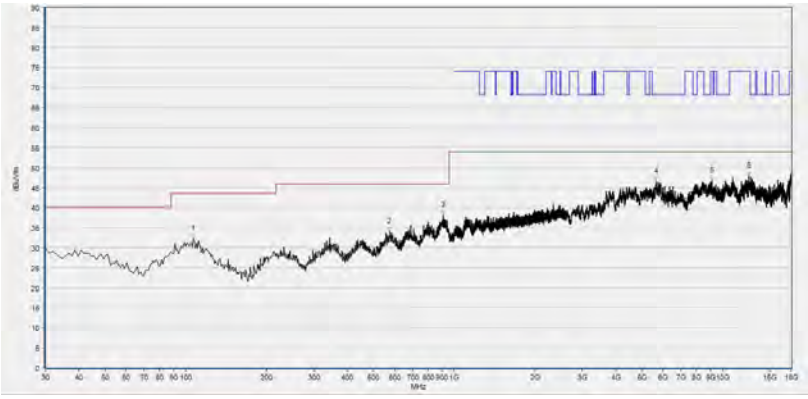
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
106.707	32.72	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
558.208	33.77	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
909.700	38.06	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5862.372	47.20	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8382.316	46.46	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12168.394	48.15	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

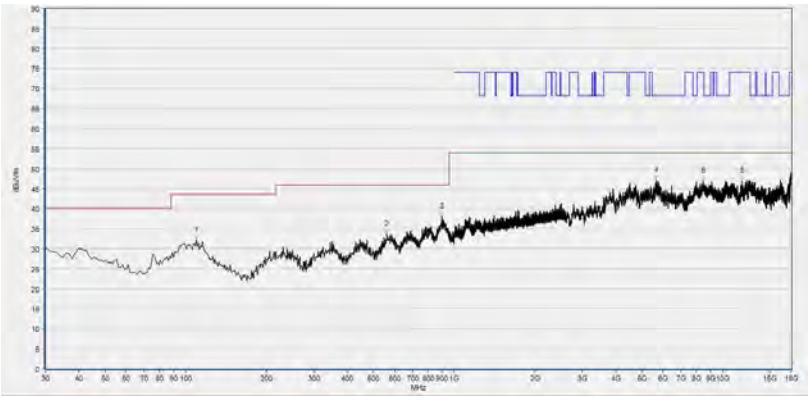
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 64



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
106.707	32.36	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
574.715	34.05	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
909.700	38.26	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5652.891	46.66	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9106.261	46.79	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12534.987	47.87	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

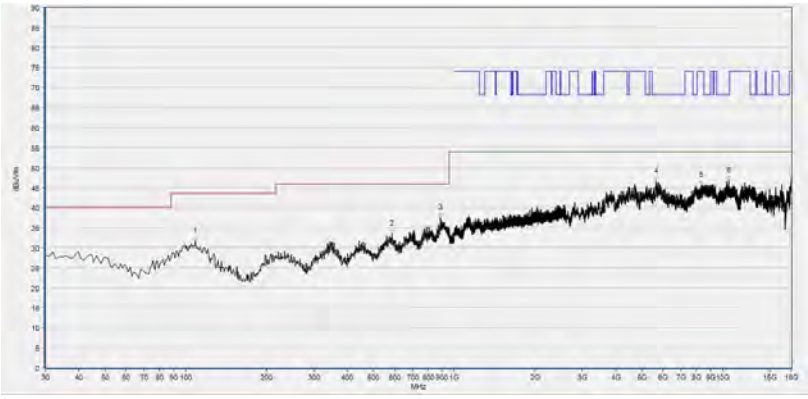
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
109.620	32.20	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
561.121	33.71	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
900.961	38.10	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5655.971	47.06	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8456.251	46.97	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
11829.526	46.88	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

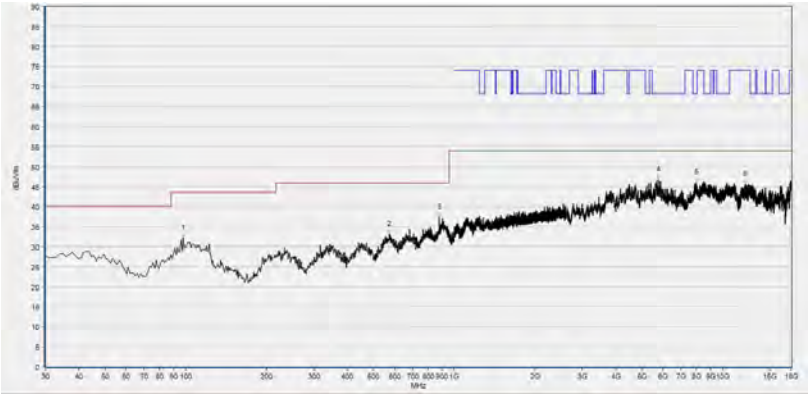
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 100



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
108.649	31.74	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
586.366	33.50	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
889.309	37.48	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5655.971	46.54	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8339.188	45.62	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10560.312	46.76	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

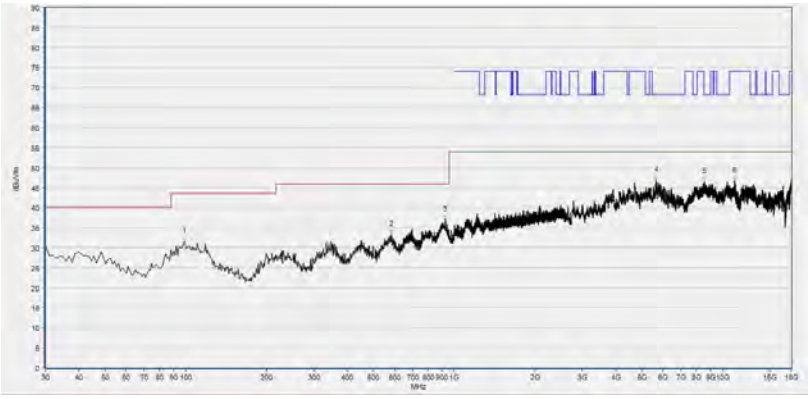
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
97.968	32.18	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
572.773	33.10	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
880.571	37.45	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5754.551	46.75	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8006.481	46.12	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12171.474	45.62	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

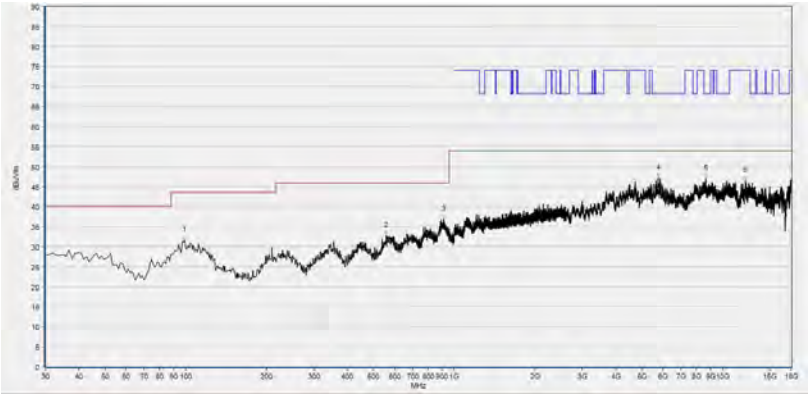
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 120



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
98.939	31.49	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
584.424	33.34	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
927.177	36.97	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5652.891	46.98	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8582.557	46.63	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
11068.614	46.74	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

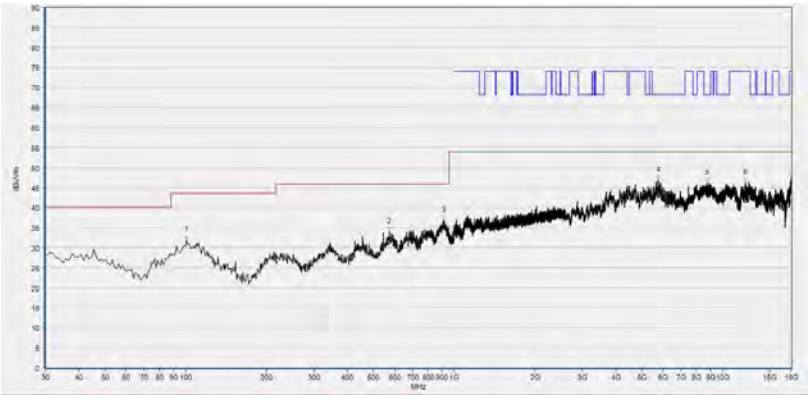
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
98.939	31.71	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
557.237	32.91	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
916.496	36.81	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5736.067	47.26	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8634.927	47.04	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12193.039	46.53	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

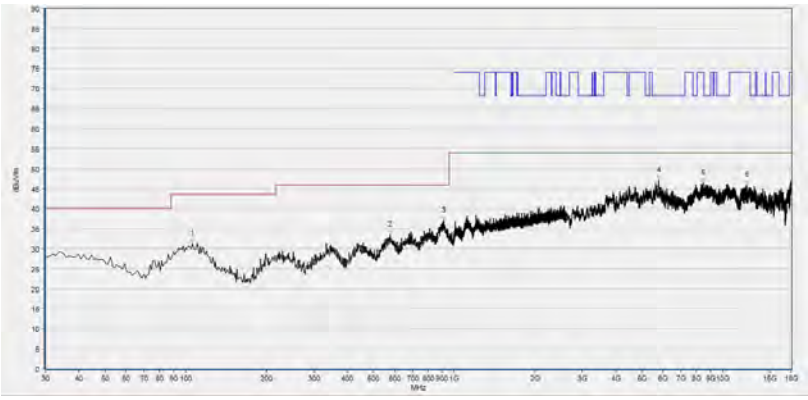
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 144



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
100.881	32.00	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
574.715	34.03	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
915.526	36.92	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5742.228	46.97	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8770.474	46.33	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12140.668	46.20	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

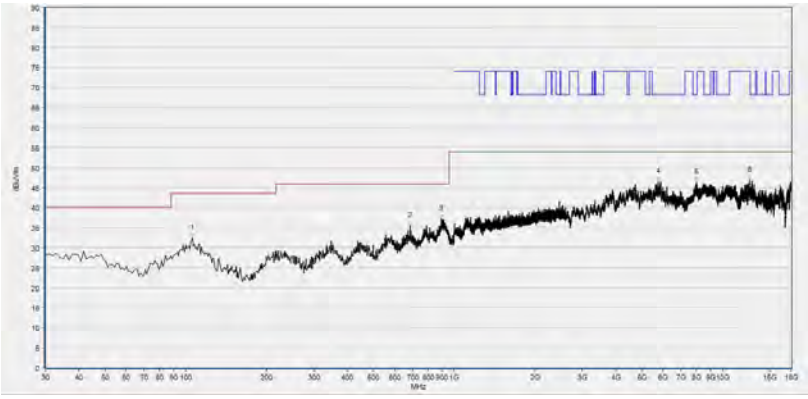
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
105.736	31.28	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
576.657	33.59	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
913.584	37.02	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5769.954	47.10	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8440.848	46.40	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12297.780	45.95	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

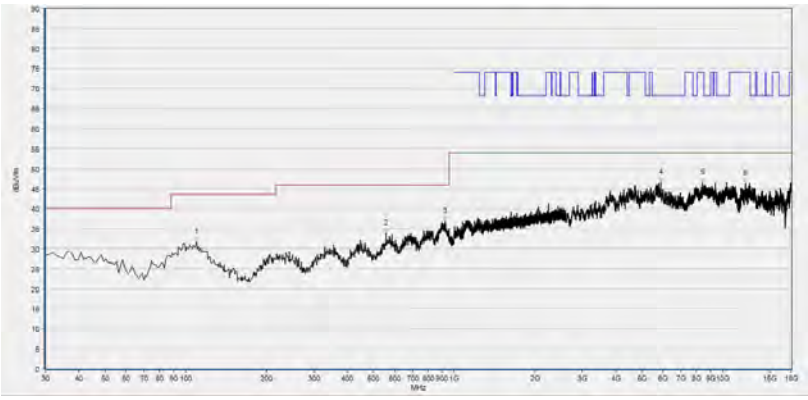
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 149



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
105.736	32.50	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
687.347	35.56	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
896.106	37.27	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5760.712	46.65	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
7984.917	46.43	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12608.922	46.95	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

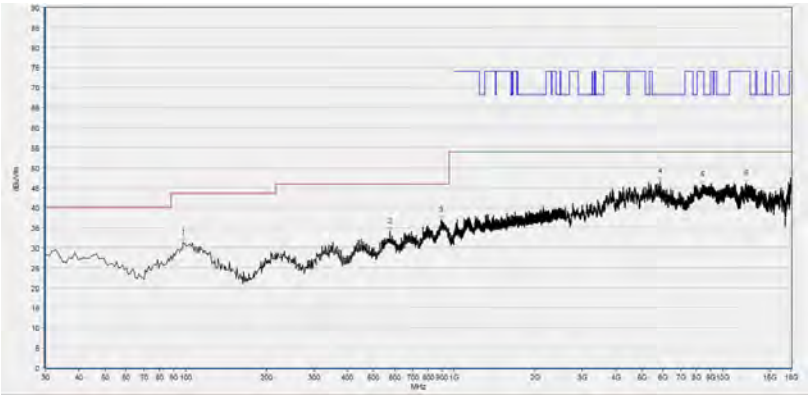
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
109.620	31.60	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
556.266	33.82	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
923.293	36.87	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5871.614	46.53	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8413.123	46.53	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12143.749	46.18	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

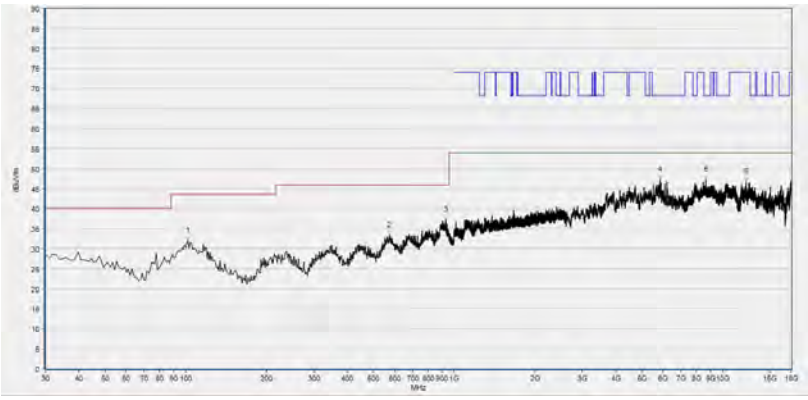
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 157



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
97.968	31.31	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
575.686	33.95	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
893.193	36.93	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5865.453	46.64	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8425.445	45.73	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12226.925	46.17	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

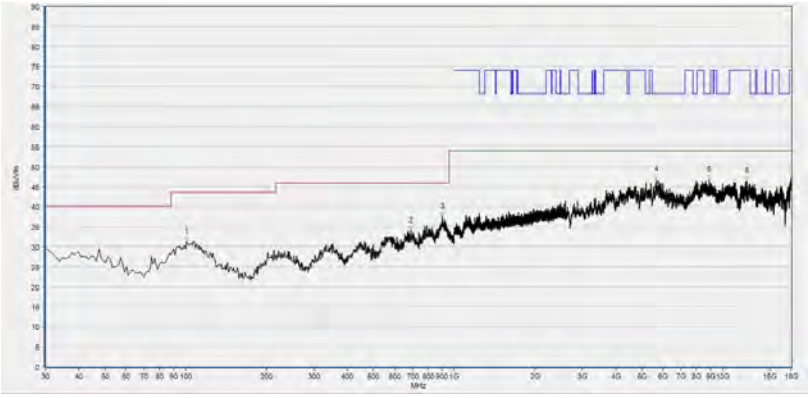
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
101.852	32.03	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
574.715	33.41	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
928.148	37.19	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5853.131	47.20	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8634.927	47.29	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12211.522	46.75	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

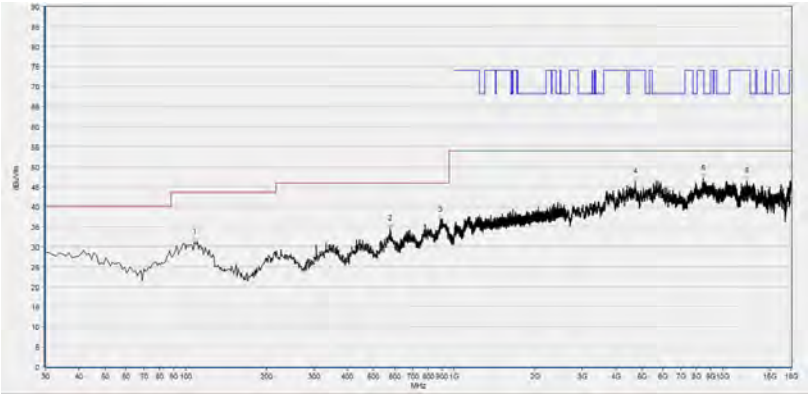
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 165



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
100.881	31.42	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
690.260	34.03	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
901.932	37.50	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5640.568	46.82	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8912.182	46.82	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12297.780	46.39	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

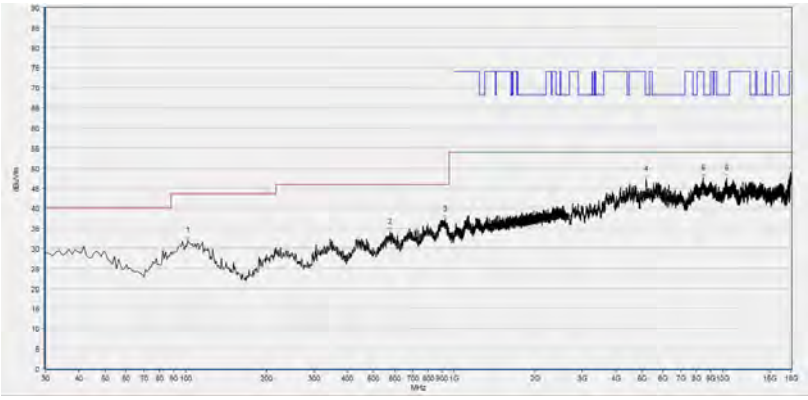


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
107.678	31.18	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
577.628	34.50	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
886.396	36.64	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
4716.383	46.25	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8459.332	47.07	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12297.780	46.47	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

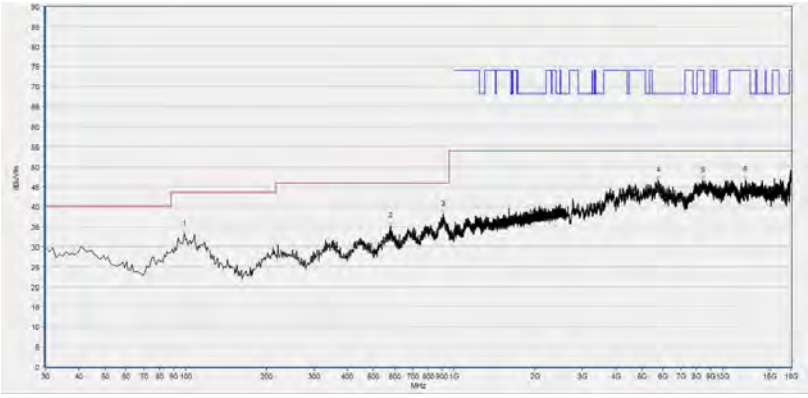
802.11n (HT40) mode

Plot for Channel 38



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
101.852	32.05	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
577.628	34.05	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
927.177	37.14	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5196.959	47.19	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8447.009	47.35	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
10350.830	47.46	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

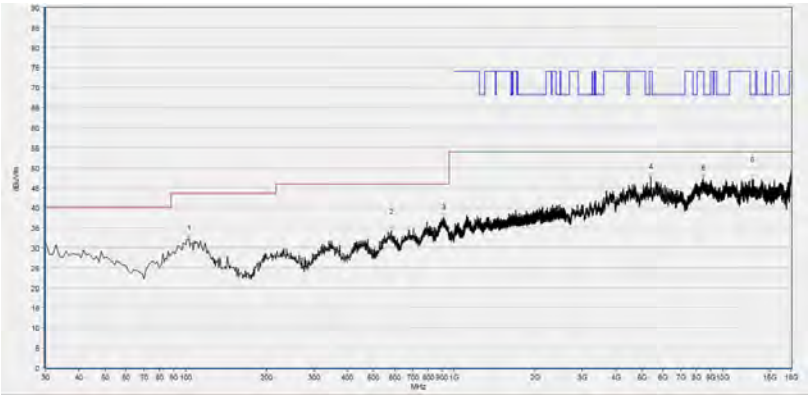
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
98.939	33.42	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
580.541	35.25	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
910.671	38.19	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5739.148	46.65	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8413.123	46.57	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12159.152	46.83	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

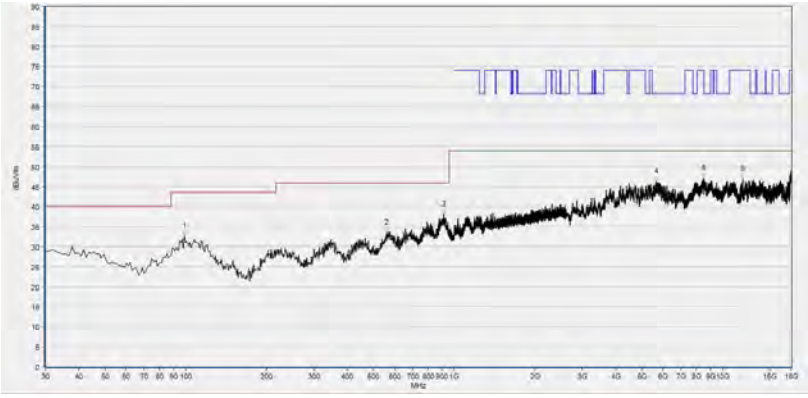
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 46



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
102.823	32.40	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
582.482	34.21	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
912.613	37.49	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5403.361	47.53	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8440.848	47.34	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12901.580	47.12	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

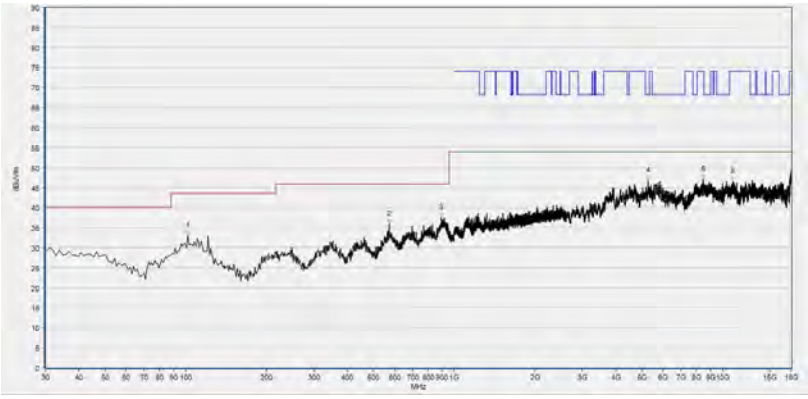
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
98.939	32.66	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
559.179	33.59	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
912.613	38.01	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5649.810	46.27	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8499.380	47.10	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
11875.735	46.85	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

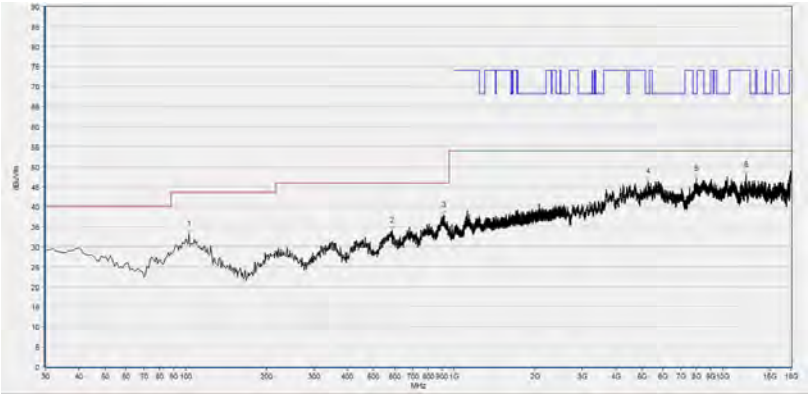
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 54



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
101.852	32.94	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
572.773	35.80	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
896.106	37.62	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5273.975	46.72	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8437.768	47.06	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10933.067	46.56	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

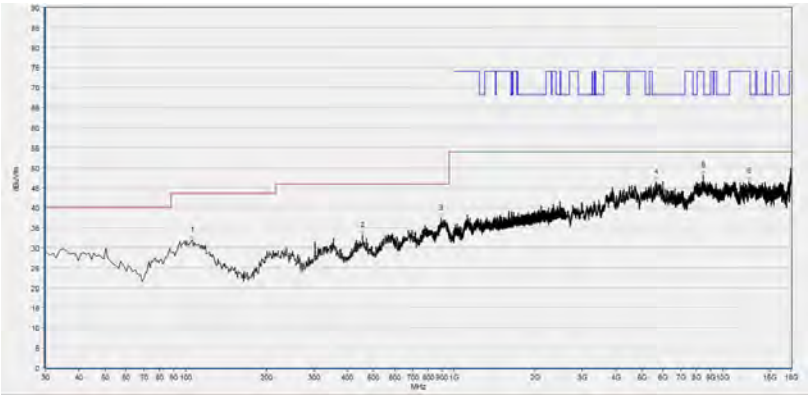
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
102.823	33.23	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
588.308	34.06	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
914.555	37.90	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5286.297	46.19	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
7966.433	46.87	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12199.200	47.95	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

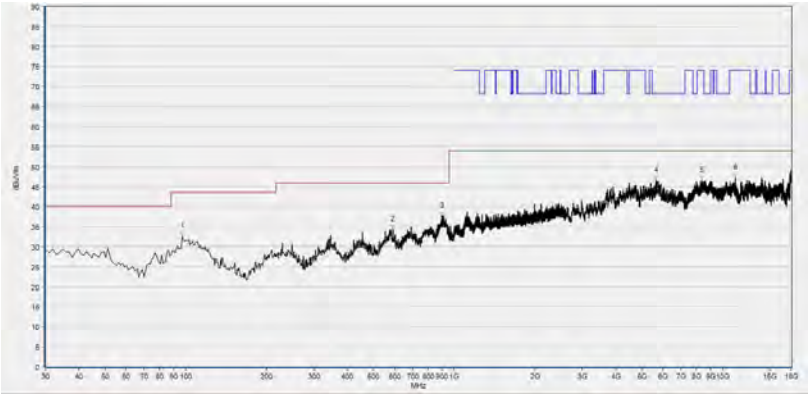
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 62



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
105.736	31.89	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
456.256	33.19	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
892.222	37.41	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5646.729	46.46	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8447.009	48.11	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12522.665	46.66	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

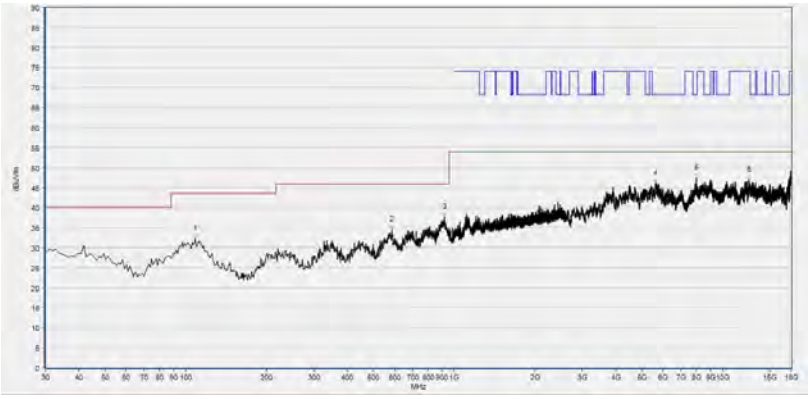
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
96.997	32.76	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
591.221	34.32	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
900.961	37.70	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5643.649	46.56	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8357.672	46.60	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
11136.387	47.28	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

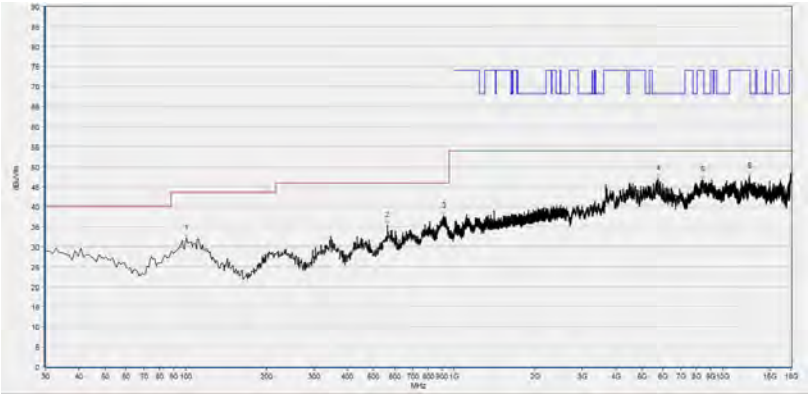
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 102



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
108.649	32.42	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
585.395	34.60	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
922.322	37.68	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5622.084	46.04	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
7969.514	47.49	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12519.584	46.88	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

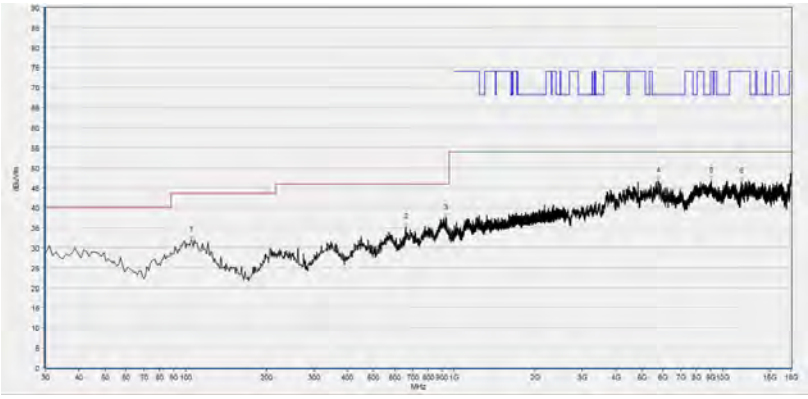
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
100.881	32.23	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
565.005	35.32	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
914.555	37.78	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5754.551	47.08	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8410.042	46.74	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12593.519	47.59	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

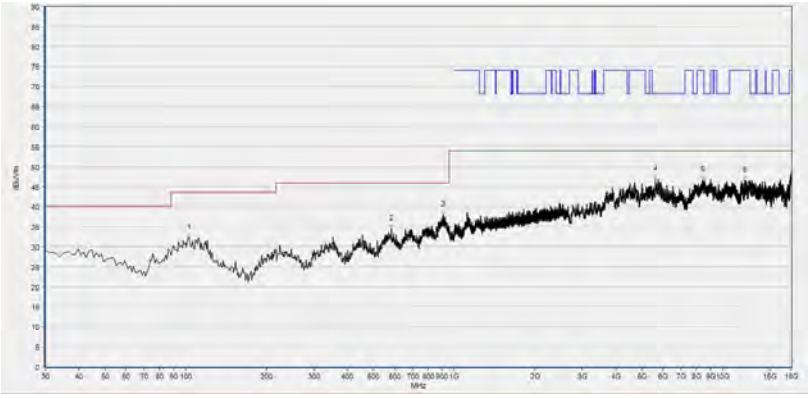
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 126



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
104.765	32.08	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
661.131	35.15	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
928.148	37.61	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5739.148	46.77	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9050.810	46.73	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
11737.107	46.57	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

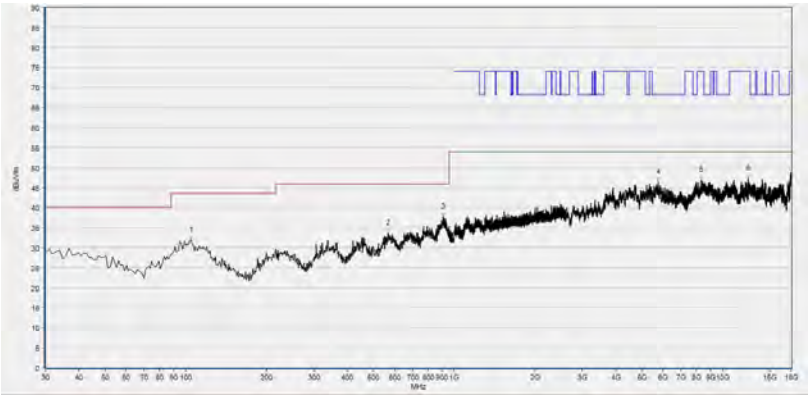
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
102.823	32.27	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
583.453	34.52	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
907.758	38.12	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5615.923	47.01	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8419.284	46.71	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12072.895	46.54	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

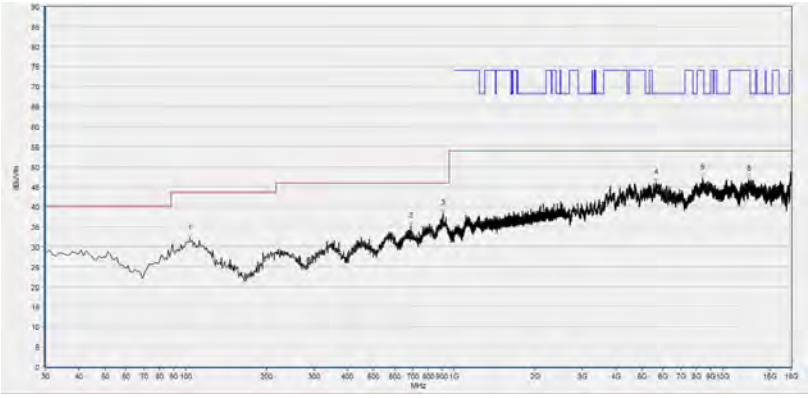
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 142



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
104.765	31.77	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
566.947	33.75	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
911.642	37.79	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5736.067	46.47	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8333.027	46.89	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12476.455	47.26	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

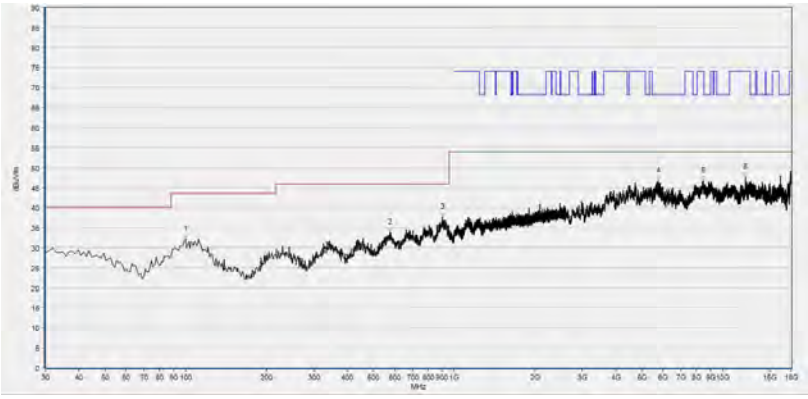
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
103.794	32.24	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
688.318	35.19	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
907.758	38.41	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5655.971	46.15	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8406.961	47.31	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12544.229	46.89	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

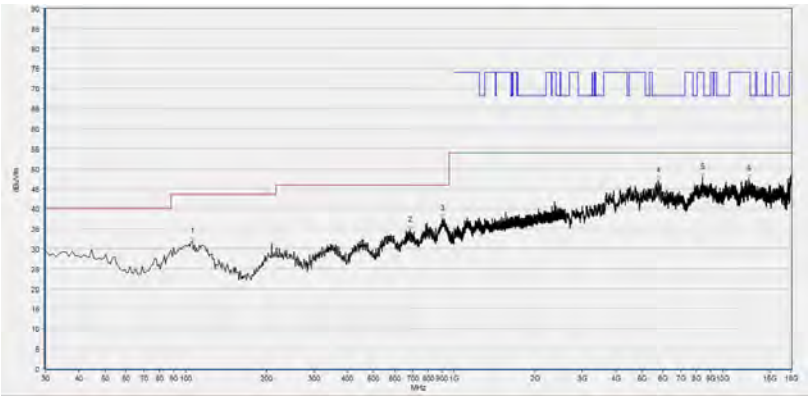
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 151



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
99.910	32.15	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
575.686	33.79	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
901.932	37.71	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5748.390	46.69	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8471.654	46.72	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12159.152	47.54	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

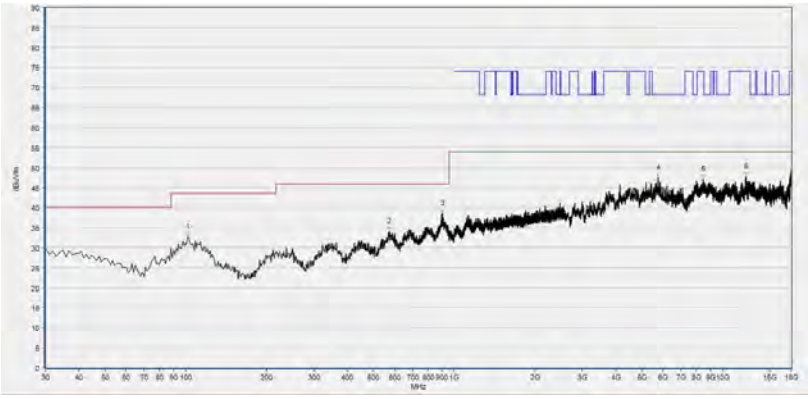
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
105.736	31.87	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
685.405	34.76	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
903.874	37.52	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5751.470	47.04	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8428.526	47.87	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12504.181	47.41	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

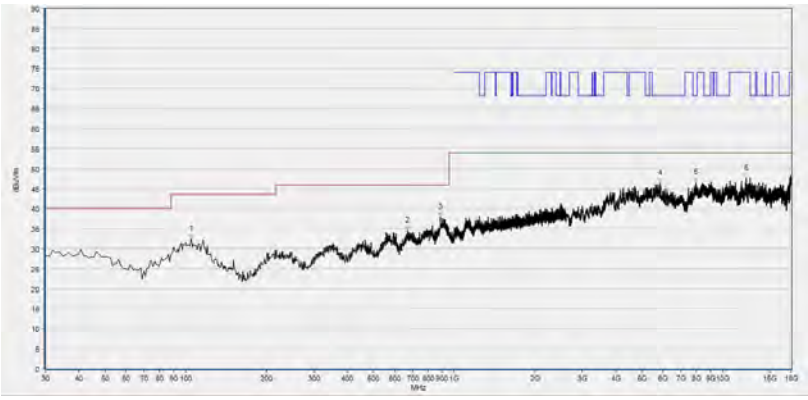
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 159



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
101.852	32.65	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
574.715	33.96	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
903.874	38.53	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5745.309	47.45	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8443.929	47.13	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12217.684	47.72	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

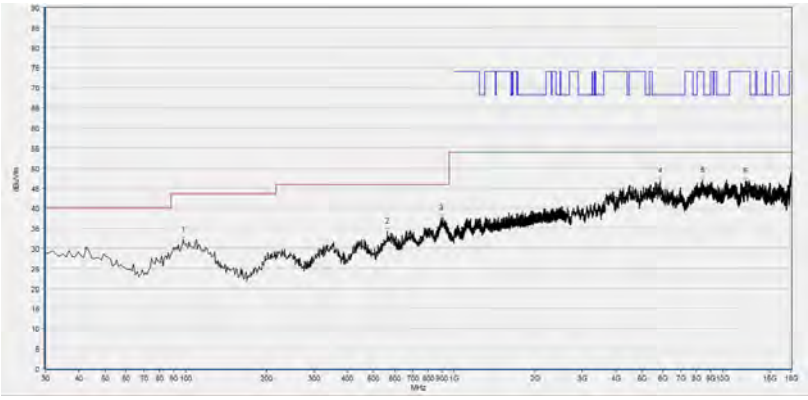


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
104.765	32.57	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
671.812	34.47	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
888.338	37.81	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5846.969	46.38	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
7963.353	46.56	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12214.603	47.61	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

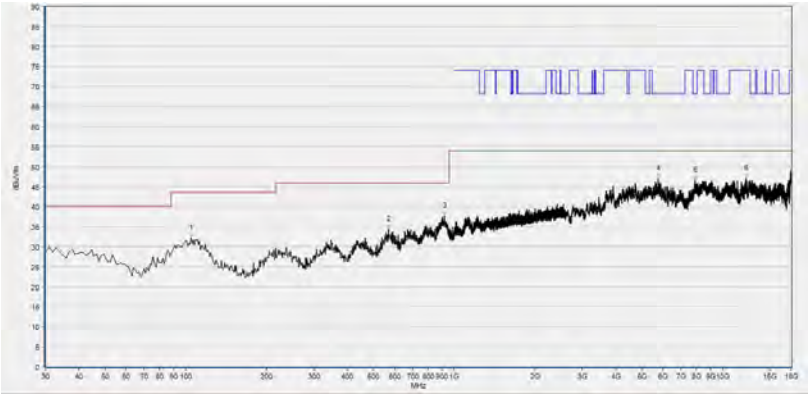
802.11ac (VHT80) Mode

Plot for Channel 42



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
97.968	32.10	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
565.005	34.24	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
895.135	37.56	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5859.292	46.80	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8434.687	46.88	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12140.668	46.84	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

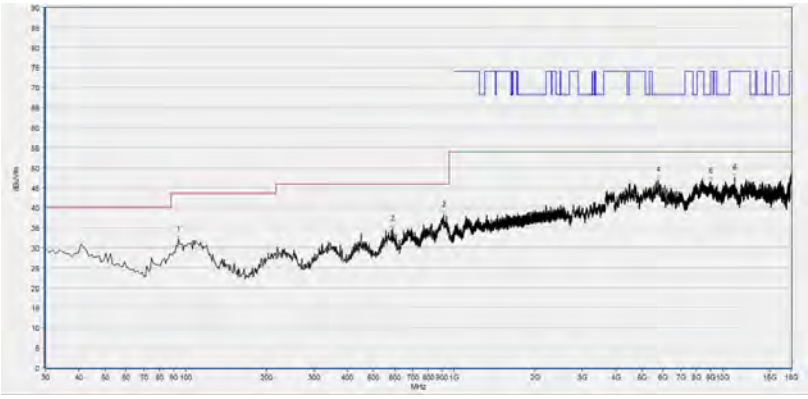
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
104.765	32.18	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
568.889	34.36	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
918.438	37.65	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5748.390	47.11	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
7914.063	46.54	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12202.280	47.14	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

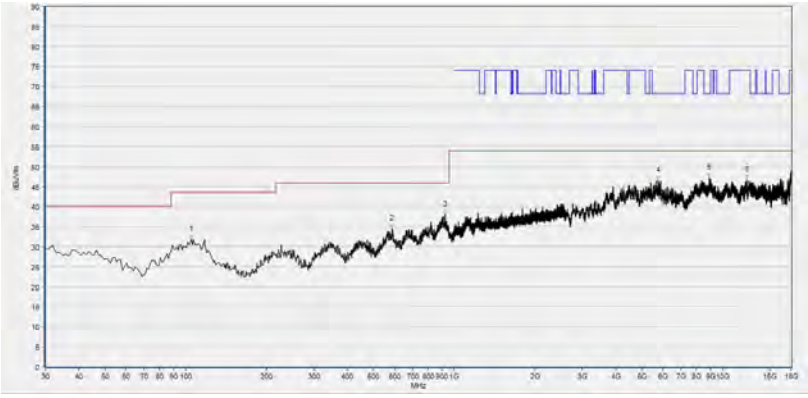
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 58



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
94.084	32.14	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
589.279	34.69	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
912.613	38.21	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5745.309	46.86	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8995.359	46.64	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
11068.614	47.39	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

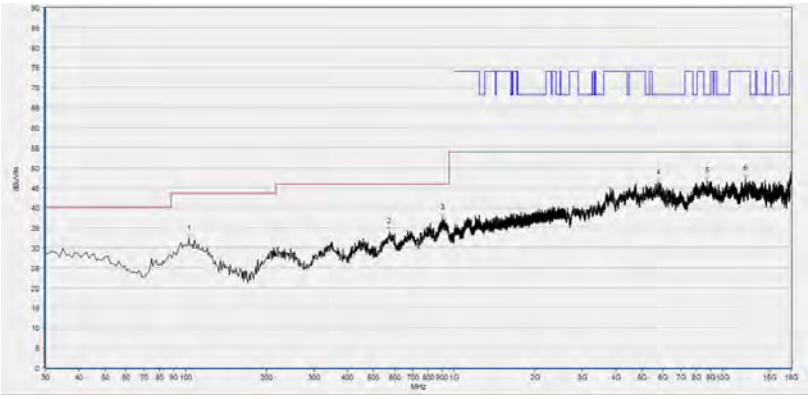
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
104.765	31.80	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
588.308	34.58	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
925.235	37.98	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5751.470	46.54	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8927.586	47.20	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12279.296	46.74	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

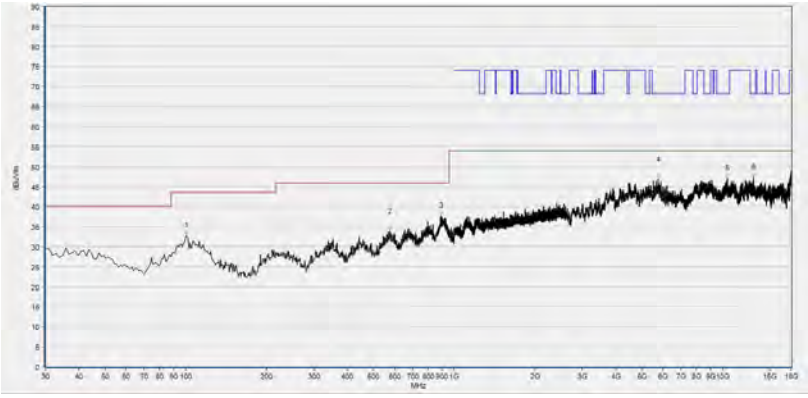
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 106



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
102.823	32.33	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
574.715	33.98	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
904.845	37.50	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5763.793	46.19	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8742.749	46.80	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12168.394	47.19	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

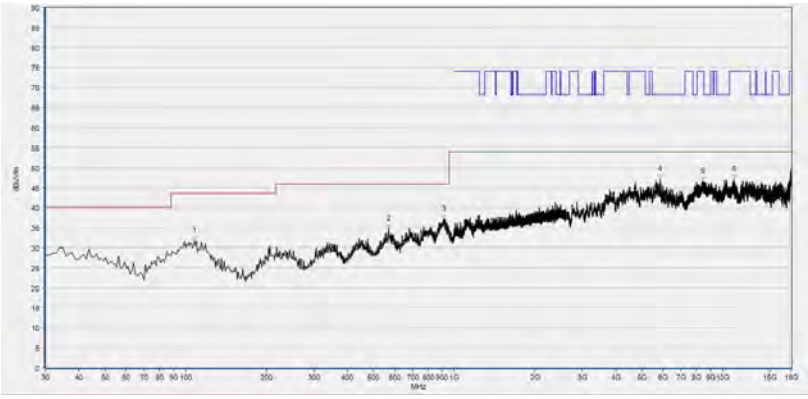
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
100.881	32.86	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
577.628	33.83	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
896.106	37.66	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5760.712	46.94	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
10437.087	47.08	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
13067.934	47.30	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

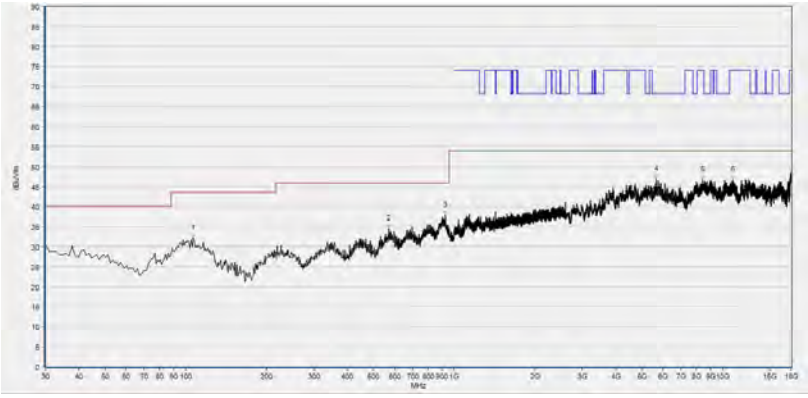
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 122



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
107.678	31.66	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
568.889	34.77	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
912.613	37.18	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5856.211	47.13	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8400.800	46.66	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
11034.727	47.05	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

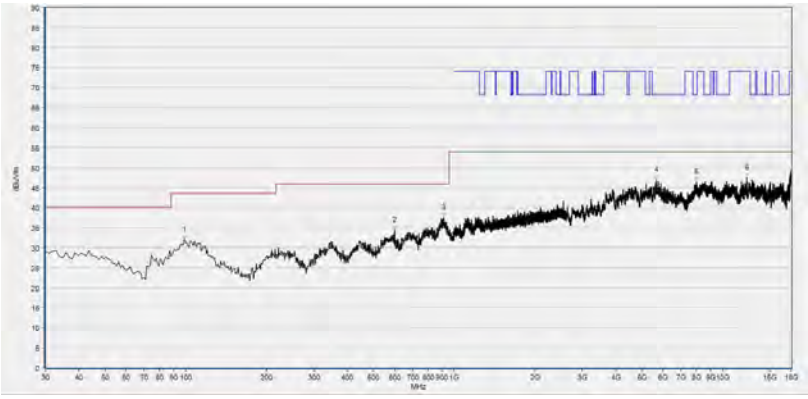
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
106.707	32.22	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
571.802	34.52	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
927.177	37.89	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5646.729	46.96	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8422.364	46.74	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
10923.825	46.68	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

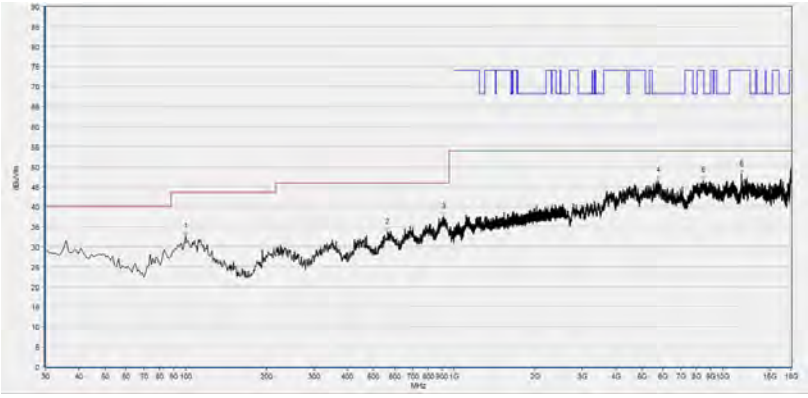
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 138



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
98.939	32.03	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
600.931	34.37	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
914.555	37.60	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5652.891	46.98	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
7991.078	46.47	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12285.457	47.46	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

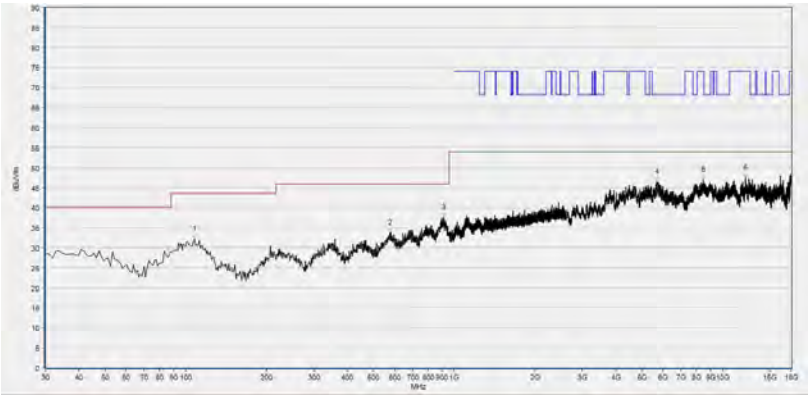
(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
99.910	32.75	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
565.005	33.71	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
912.613	37.53	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5748.390	46.62	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8456.251	46.52	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
11752.511	48.07	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

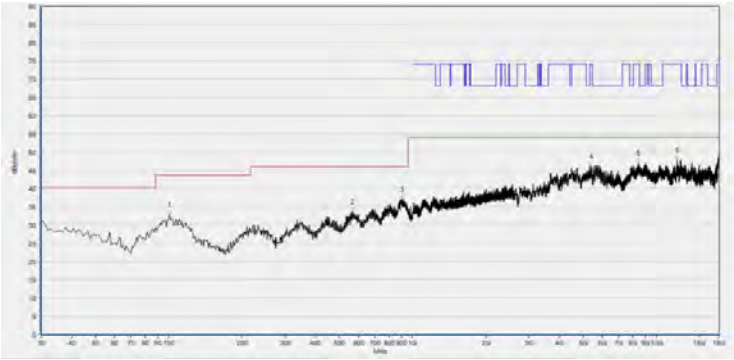
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 155



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
107.678	32.11	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
575.686	33.72	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
914.555	37.46	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5674.455	46.46	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8447.009	46.92	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12143.749	47.44	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
100.881	32.84	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
567.918	33.68	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
905.816	37.01	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5394.119	46.03	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8400.800	46.88	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12159.152	47.98	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

END OF REPORT