

PSD NVNT ac40 5795MHz Ant1 SISO



PSD NVNT ac40 5190MHz Ant2 SISO





PSD NVNT ac40 5230MHz Ant2 SISO



PSD NVNT ac40 5270MHz Ant2 SISO



PSD NVNT ac40 5310MHz Ant2 SISO



PSD NVNT ac40 5510MHz Ant2 SISO



PSD NVNT ac40 5550MHz Ant2 SISO



PSD NVNT ac40 5670MHz Ant2 SISO



PSD NVNT ac40 5755MHz Ant2 SISO



PSD NVNT ac40 5795MHz Ant2 SISO





PSD NVNT ac40 5190MHz Ant1 MIMO



PSD NVNT ac40 5190MHz Ant2 MIMO



PSD NVNT ac40 5230MHz Ant1 MIMO



PSD NVNT ac40 5230MHz Ant2 MIMO



PSD NVNT ac40 5270MHz Ant1 MIMO



PSD NVNT ac40 5270MHz Ant2 MIMO



PSD NVNT ac40 5310MHz Ant1 MIMO



PSD NVNT ac40 5310MHz Ant2 MIMO



PSD NVNT ac40 5510MHz Ant1 MIMO



PSD NVNT ac40 5510MHz Ant2 MIMO



PSD NVNT ac40 5550MHz Ant1 MIMO



PSD NVNT ac40 5550MHz Ant2 MIMO



PSD NVNT ac40 5670MHz Ant1 MIMO



PSD NVNT ac40 5670MHz Ant2 MIMO



PSD NVNT ac40 5755MHz Ant1 MIMO



PSD NVNT ac40 5755MHz Ant2 MIMO



PSD NVNT ac40 5795MHz Ant1 MIMO



PSD NVNT ac40 5795MHz Ant2 MIMO



PSD NVNT ac80 5210MHz Ant1 SISO



PSD NVNT ac80 5290MHz Ant1 SISO



PSD NVNT ac80 5530MHz Ant1 SISO

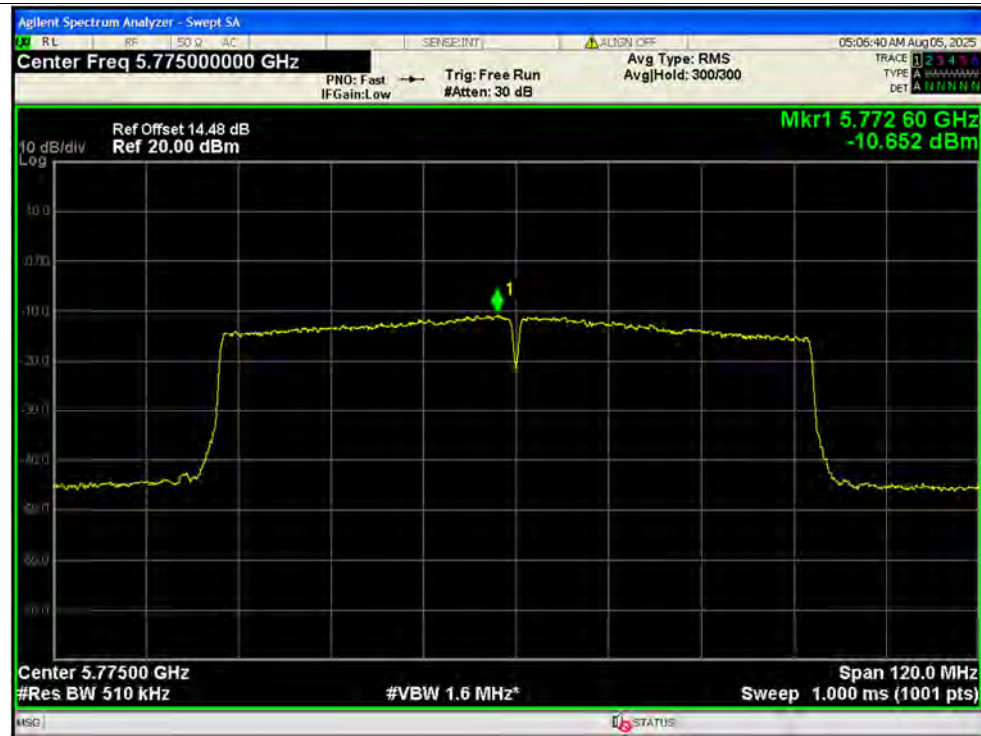


PSD NVNT ac80 5610MHz Ant1 SISO





PSD NVNT ac80 5775MHz Ant1 SISO



PSD NVNT ac80 5210MHz Ant2 SISO





PSD NVNT ac80 5290MHz Ant2 SISO



PSD NVNT ac80 5530MHz Ant2 SISO



PSD NVNT ac80 5610MHz Ant2 SISO



PSD NVNT ac80 5775MHz Ant2 SISO



PSD NVNT ac80 5210MHz Ant1 MIMO



PSD NVNT ac80 5210MHz Ant2 MIMO



PSD NVNT ac80 5290MHz Ant1 MIMO



PSD NVNT ac80 5290MHz Ant2 MIMO



PSD NVNT ac80 5530MHz Ant1 MIMO



PSD NVNT ac80 5530MHz Ant2 MIMO



PSD NVNT ac80 5610MHz Ant1 MIMO



PSD NVNT ac80 5610MHz Ant2 MIMO



PSD NVNT ac80 5775MHz Ant1 MIMO



PSD NVNT ac80 5775MHz Ant2 MIMO



**A.5. Frequency Stability**

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
20C 20.7V	CW	5180	Ant1	5179.961	-39000	-7.53	25	Pass
20C 23.0V	CW	5180	Ant1	5179.961	-39000	-7.53	25	Pass
20C 25.3V	CW	5180	Ant1	5179.961	-39000	-7.53	25	Pass
-20C 23V	CW	5180	Ant1	5179.961	-39000	-7.53	25	Pass
-10C 23V	CW	5180	Ant1	5179.961	-39000	-7.53	25	Pass
0C 23V	CW	5180	Ant1	5179.961	-39000	-7.53	25	Pass
10C 23V	CW	5180	Ant1	5179.961	-39000	-7.53	25	Pass
20C 23V	CW	5180	Ant1	5179.961	-39000	-7.53	25	Pass
30C 23V	CW	5180	Ant1	5179.961	-39000	-7.53	25	Pass
40C 23V	CW	5180	Ant1	5179.961	-39000	-7.53	25	Pass
50C 23V	CW	5180	Ant1	5179.961	-39000	-7.53	25	Pass
20C 20.7V	CW	5260	Ant1	5259.961	-39000	-7.41	25	Pass
20C 23.0V	CW	5260	Ant1	5259.961	-39000	-7.41	25	Pass
20C 25.3V	CW	5260	Ant1	5259.961	-39000	-7.41	25	Pass
-20C 23V	CW	5260	Ant1	5259.961	-39000	-7.41	25	Pass
-10C 23V	CW	5260	Ant1	5259.961	-39000	-7.41	25	Pass
0C 23V	CW	5260	Ant1	5259.961	-39000	-7.41	25	Pass
10C 23V	CW	5260	Ant1	5259.961	-39000	-7.41	25	Pass
20C 23V	CW	5260	Ant1	5259.961	-39000	-7.41	25	Pass
30C 23V	CW	5260	Ant1	5259.961	-39000	-7.41	25	Pass
40C 23V	CW	5260	Ant1	5259.961	-39000	-7.41	25	Pass
50C 23V	CW	5260	Ant1	5259.961	-39000	-7.41	25	Pass
20C 20.7V	CW	5500	Ant1	5499.959	-41000	-7.45	25	Pass
20C 23.0V	CW	5500	Ant1	5499.959	-41000	-7.45	25	Pass
20C 25.3V	CW	5500	Ant1	5499.959	-41000	-7.45	25	Pass
-20C 23V	CW	5500	Ant1	5499.959	-41000	-7.45	25	Pass
-10C 23V	CW	5500	Ant1	5499.959	-41000	-7.45	25	Pass
0C 23V	CW	5500	Ant1	5499.959	-41000	-7.45	25	Pass
10C 23V	CW	5500	Ant1	5499.959	-41000	-7.45	25	Pass
20C 23V	CW	5500	Ant1	5499.959	-41000	-7.45	25	Pass
30C 23V	CW	5500	Ant1	5499.959	-41000	-7.45	25	Pass
40C 23V	CW	5500	Ant1	5499.959	-41000	-7.45	25	Pass
50C 23V	CW	5500	Ant1	5499.959	-41000	-7.45	25	Pass
20C 20.7V	CW	5745	Ant1	5744.957	-43000	-7.48	25	Pass



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20C 23.0V	CW	5745	Ant1	5744.957	-43000	-7.48	25	Pass
20C 25.3V	CW	5745	Ant1	5744.957	-43000	-7.48	25	Pass
-20C 23V	CW	5745	Ant1	5744.957	-43000	-7.48	25	Pass
-10C 23V	CW	5745	Ant1	5744.957	-43000	-7.48	25	Pass
0C 23V	CW	5745	Ant1	5744.957	-43000	-7.48	25	Pass
10C 23V	CW	5745	Ant1	5744.957	-43000	-7.48	25	Pass
20C 23V	CW	5745	Ant1	5744.957	-43000	-7.48	25	Pass
30C 23V	CW	5745	Ant1	5744.957	-43000	-7.48	25	Pass
40C 23V	CW	5745	Ant1	5744.957	-43000	-7.48	25	Pass
50C 23V	CW	5745	Ant1	5744.957	-43000	-7.48	25	Pass



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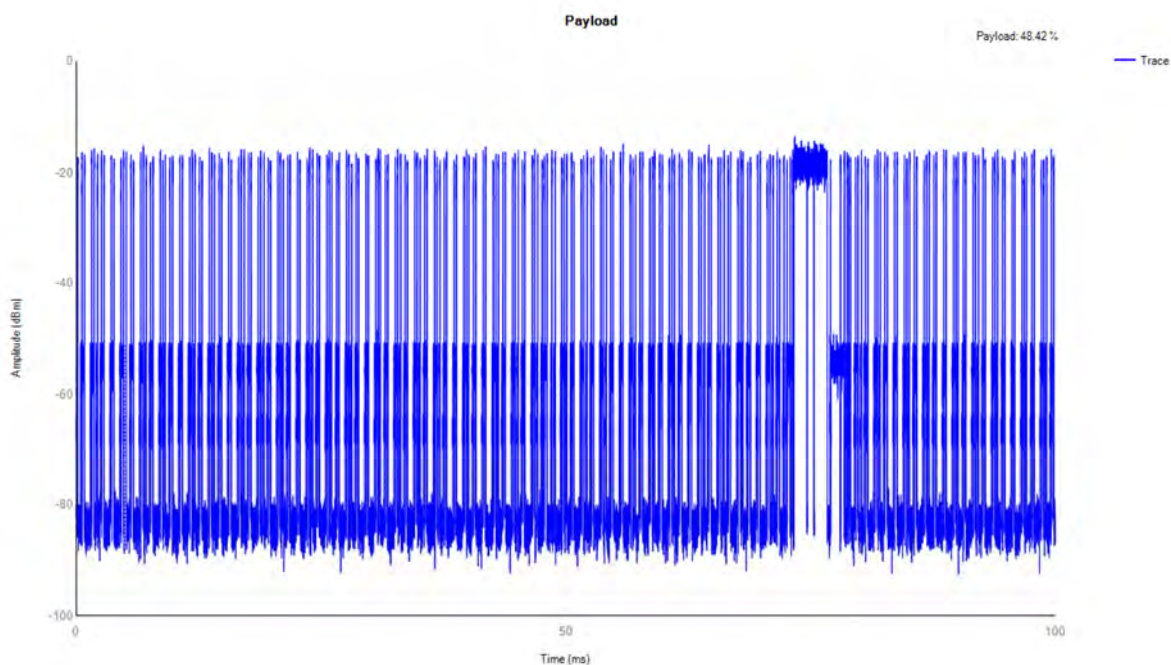
A.6. Dynamic Frequency Selection

Payload

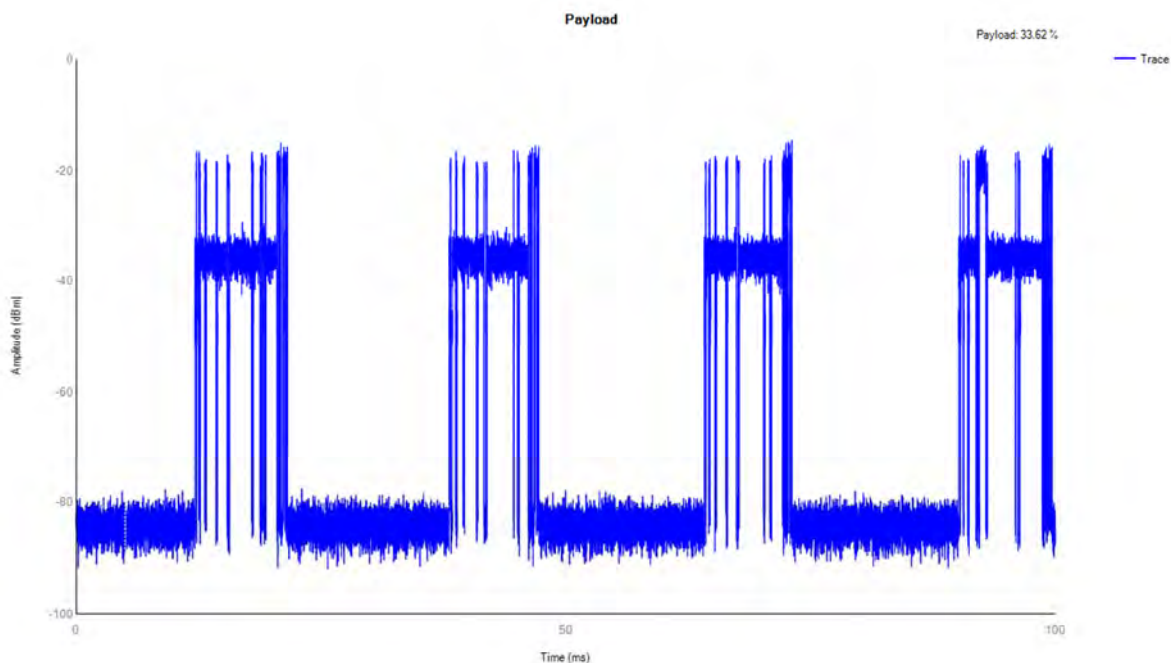
Mode	Frequency (MHz)	Result	Verdict
ac20	5320	48.42	Pass
ac20	5500	33.62	Pass
ac80	5290	38.04	Pass
ac80	5530	49.36	Pass

Test Graphs

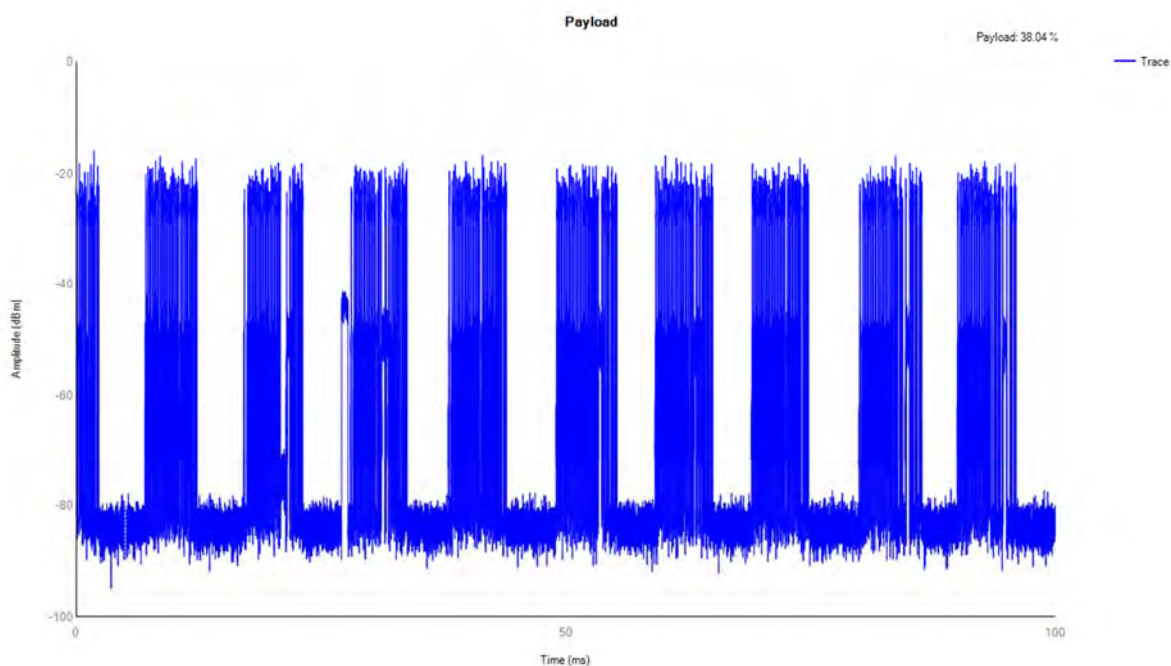
ac20 5320MHz Payload



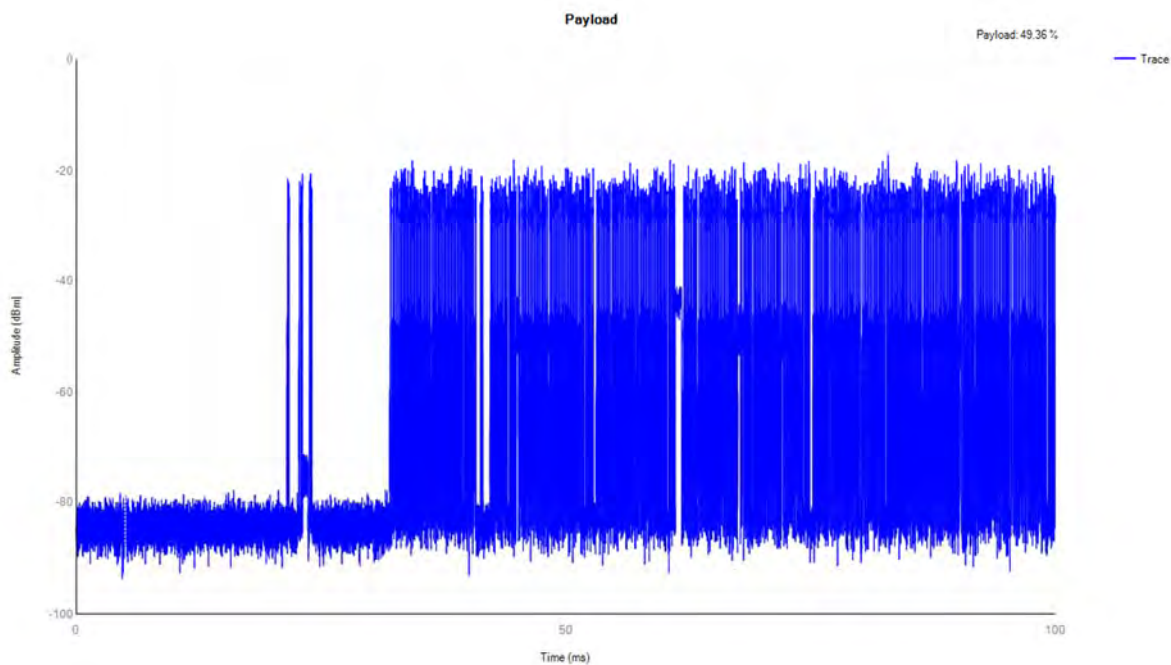
ac20 5500MHz Payload



ac80 5290MHz Payload



ac80 5530MHz Payload





Detection Thresholds

Mode	Frequency (MHz)	Type	Result	Verdict
ac20	5320	DFS_FCC_T0	See test Graph	Pass
ac20	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

Spectrum analyzer settings:

Span: Zero

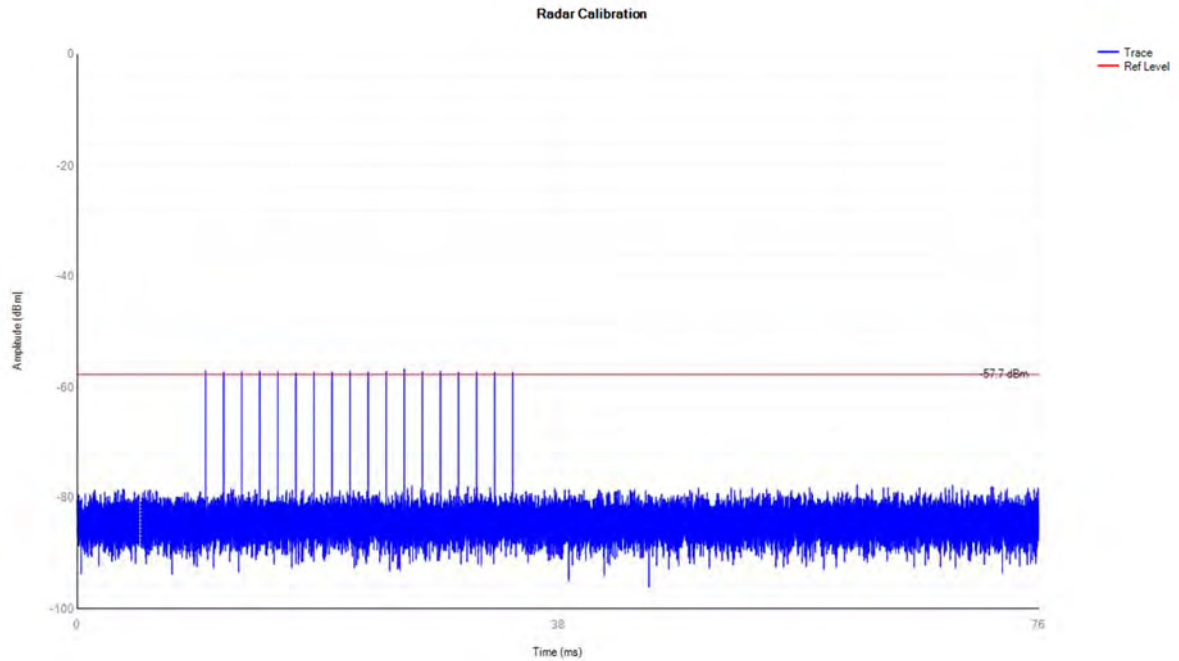
Detector Type: Peak

RBW: 3MHz

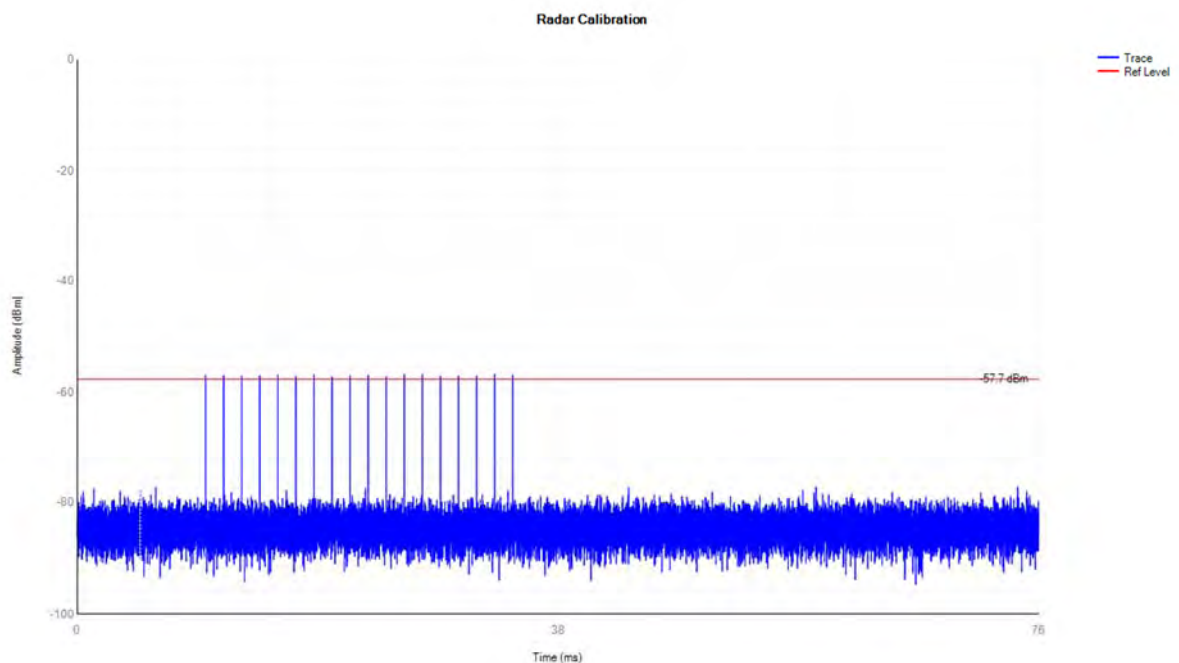
VBW: 3MHz

Test Graphs

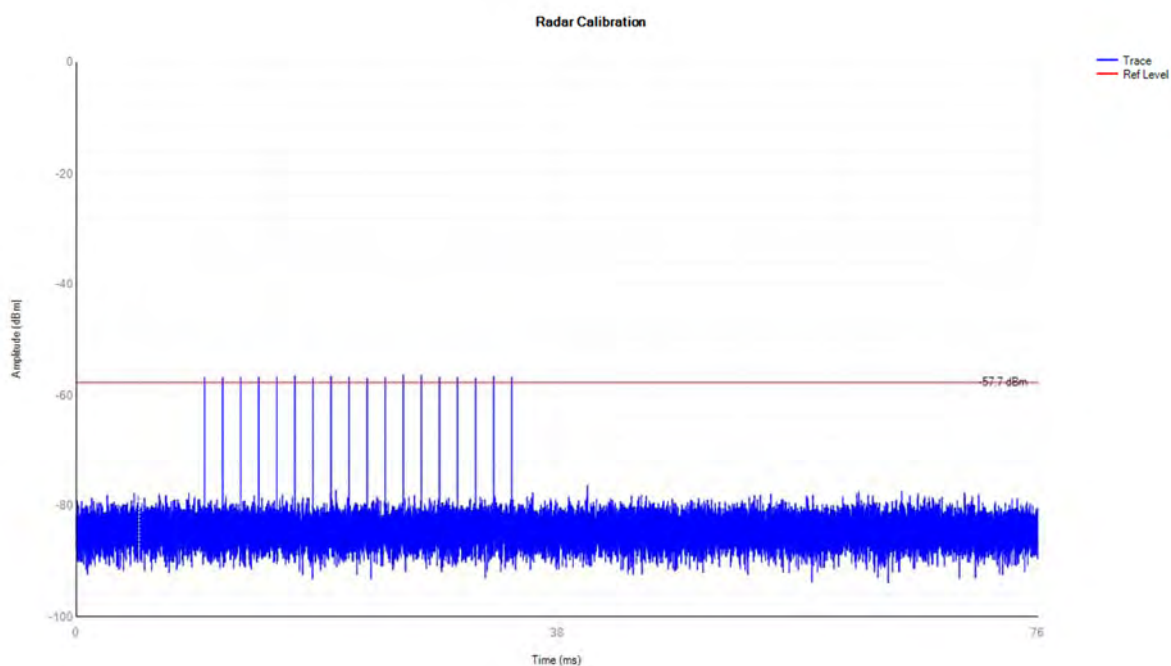
5320MHz DFS_FCC_T0



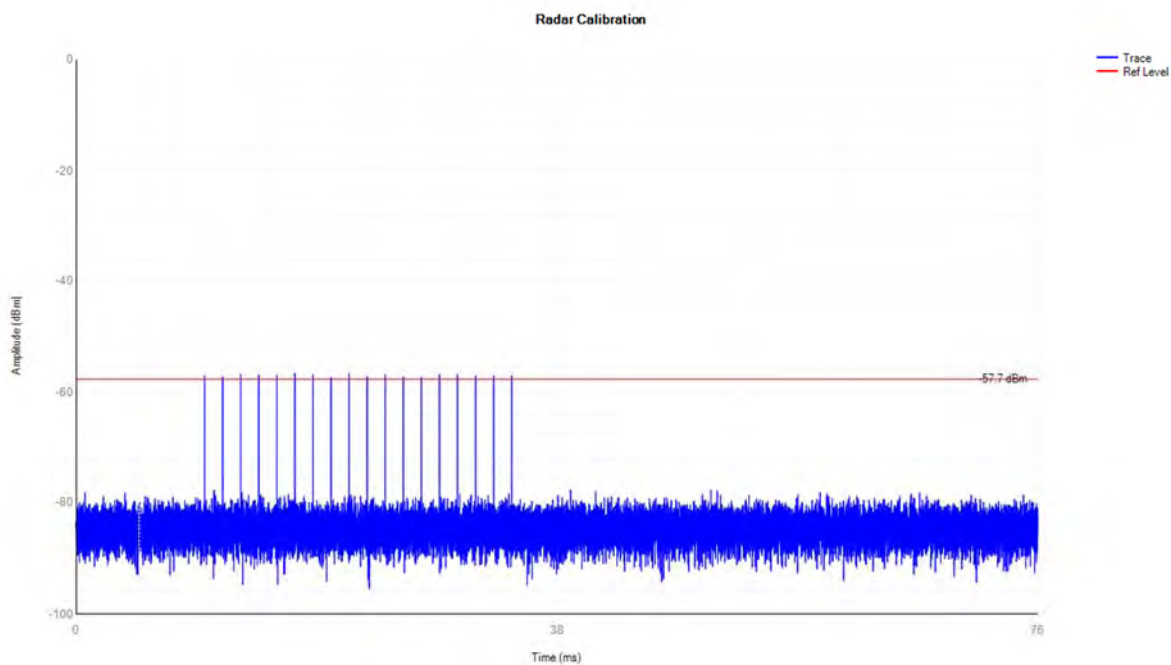
5500MHz DFS_FCC_T0



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
ac20	5320	0.765	10	0.019	0.26	0.009	0.06	Pass
ac20	5500	0.863	10	0.013	0.26	0.01	0.06	Pass
ac80	5290	0.468	10	0.014	0.26	0.001	0.06	Pass
ac80	5530	0.13	10	0.023	0.26	0	0.06	Pass

Spectrum analyzer settings:

Span: Zero

Detector type: Peak

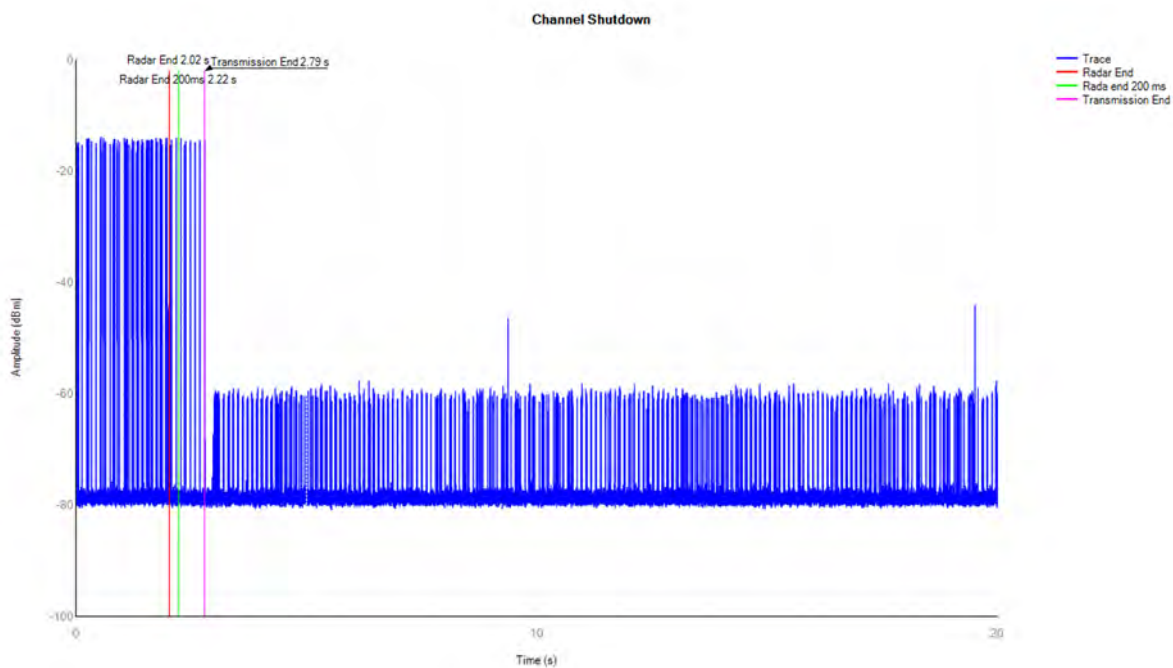
RBW: 3MHz

VBW: 3MHz

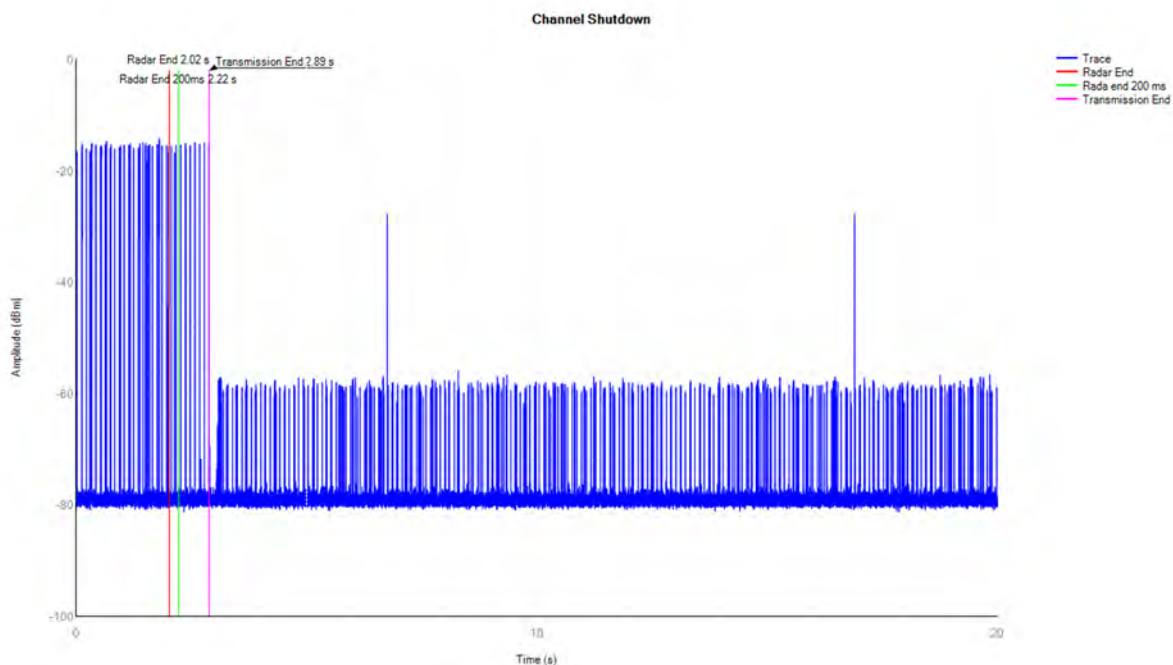
Sweep time: 20s

Test Graphs

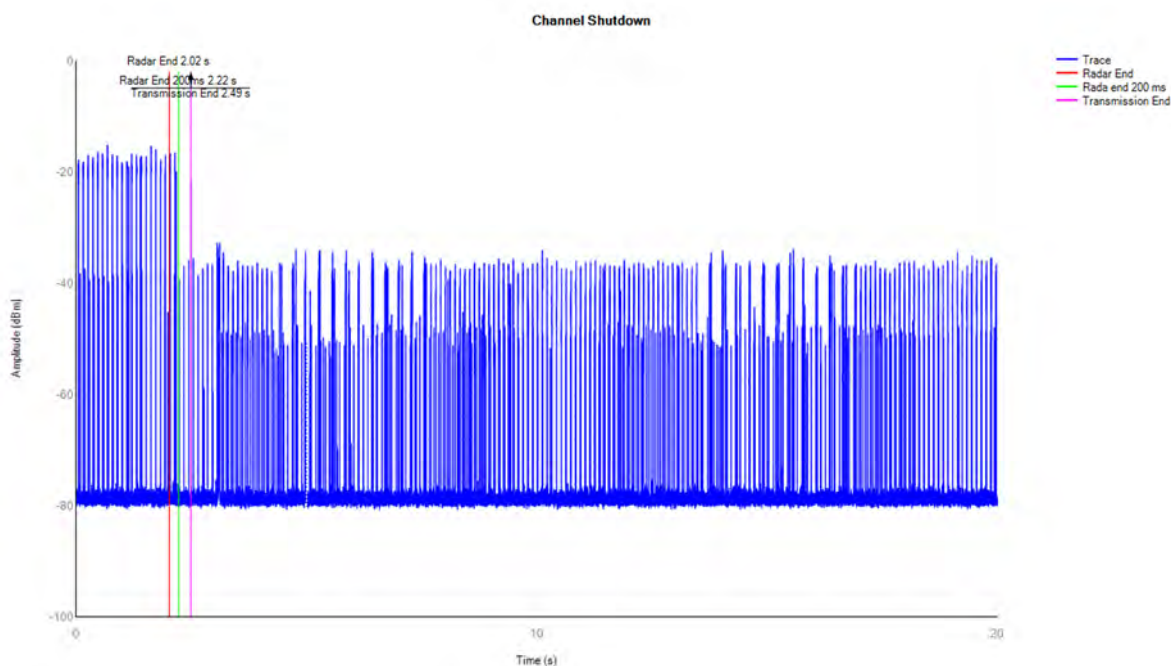
ac20 5320MHz Shutdown



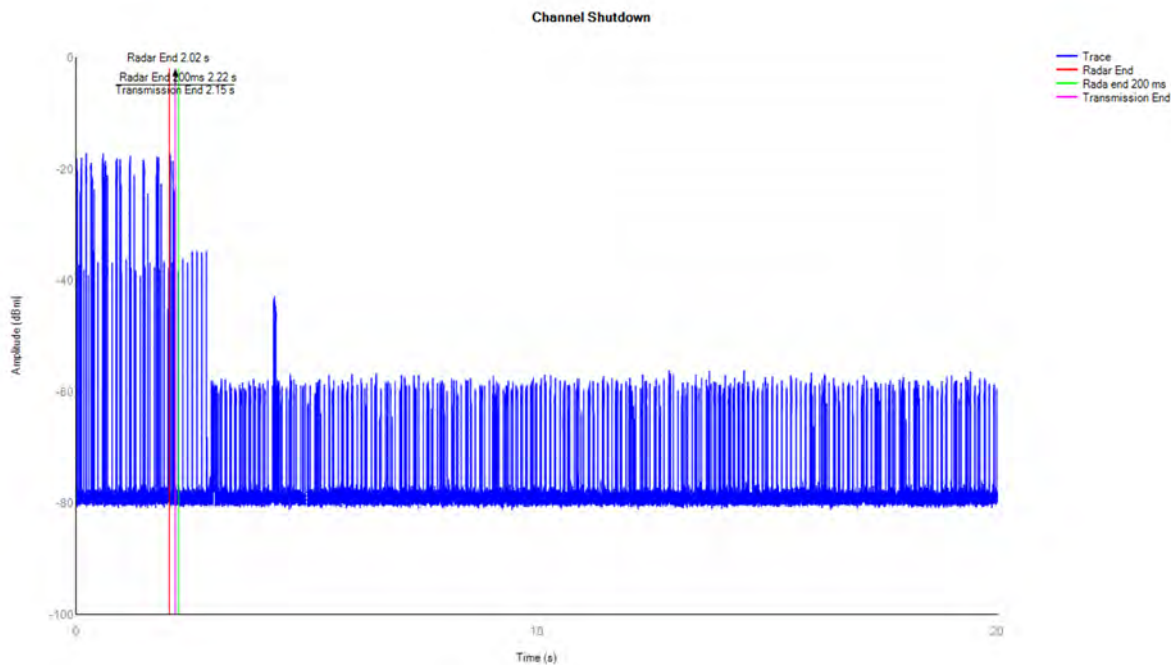
ac20 5500MHz Shutdown



ac80 5290MHz Shutdown



ac80 5530MHz Shutdown



Note: The signal above the noise floor after the radar signal ends is the signal which leaked from other channels that have been moved following the Master device.



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Non-Occupancy Period

Mode	Frequency (MHz)	Result	Verdict
ac20	5320	See test Graph	Pass
ac20	5500	See test Graph	Pass

Spectrum analyzer settings:

Span: Zero

Detector type: Peak

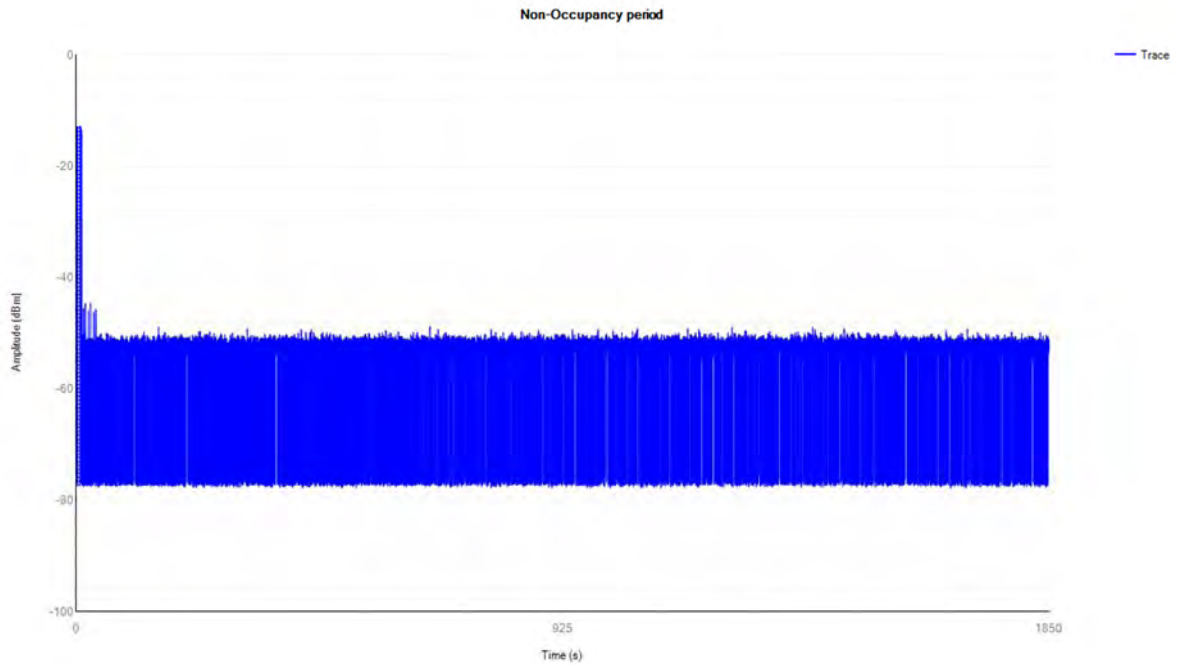
RBW: 3MHz

VBW: 3MHz

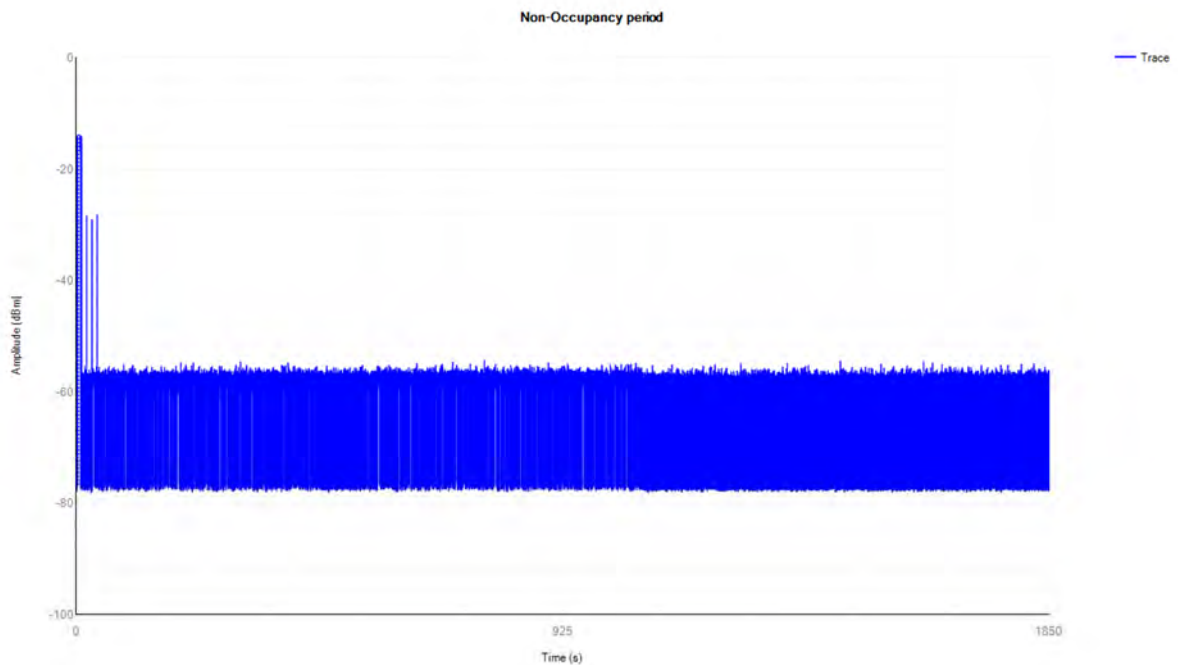
Sweep time: 1850s

Test Graphs

ac20 5320MHz Non-Occupancy



ac20 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+Extension Cable+Serial port board+Serial port board+PC+PC Adapter+USB Cable+WIFI TX

Test voltage: AC 120V/60Hz

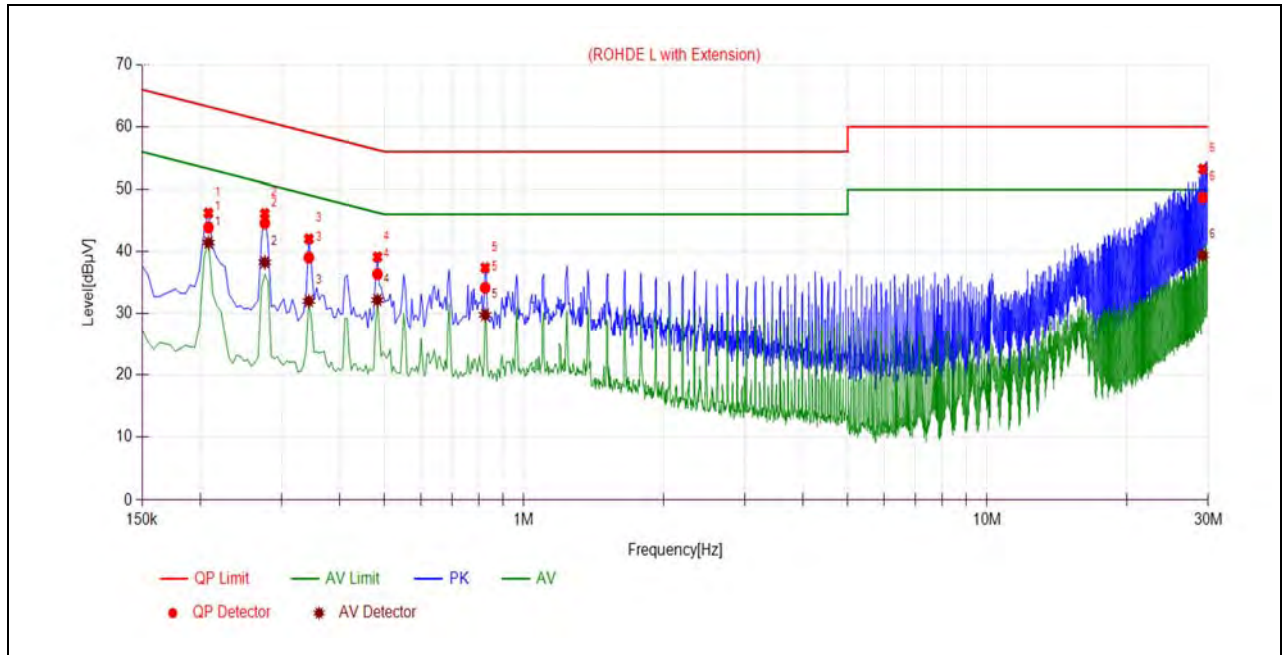
The measurement results are obtained as below:

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

U_R : Receiver Reading

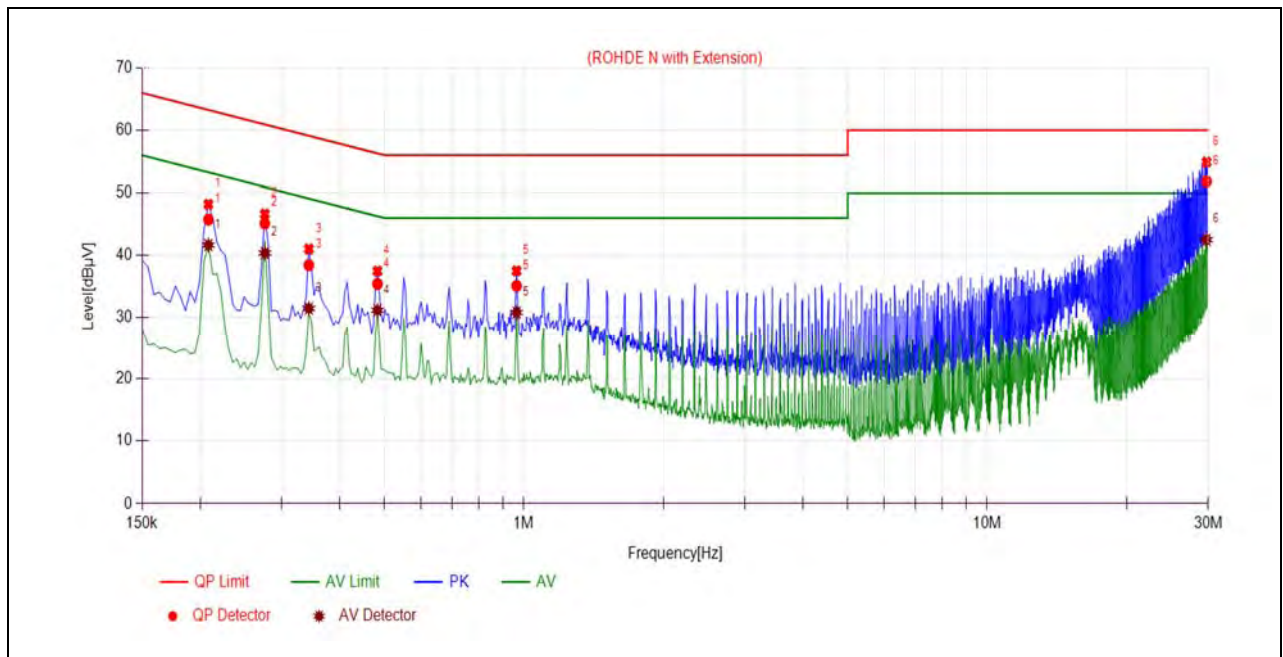
A_{Factor} : Voltage division factor of LISN

B. Test Plot:



(L Phase)

No.	Fre. (MHz)	Emission Level (dBμV)		Limit (dBμV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.2085	43.90	41.47	63.26	53.26	Line	PASS
2	0.2760	44.59	38.29	60.94	50.94		PASS
3	0.3435	39.04	32.06	59.12	49.12		PASS
4	0.4830	36.39	32.21	56.29	46.29		PASS
5	0.8249	34.18	29.82	56.00	46.00		PASS
6	29.2045	48.71	39.43	60.00	50.00		PASS



(N Phase)

No.	Fre. (MHz)	Emission Level (dBμV)		Limit (dBμV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.2085	45.78	41.68	63.26	53.26	Neutral	PASS
2	0.2760	45.15	40.39	60.94	50.94		PASS
3	0.3435	38.45	31.50	59.12	49.12		PASS
4	0.4830	35.43	31.21	56.29	46.29		PASS
5	0.9645	35.12	30.83	56.00	46.00		PASS
6	29.7540	51.82	42.52	60.00	50.00		PASS

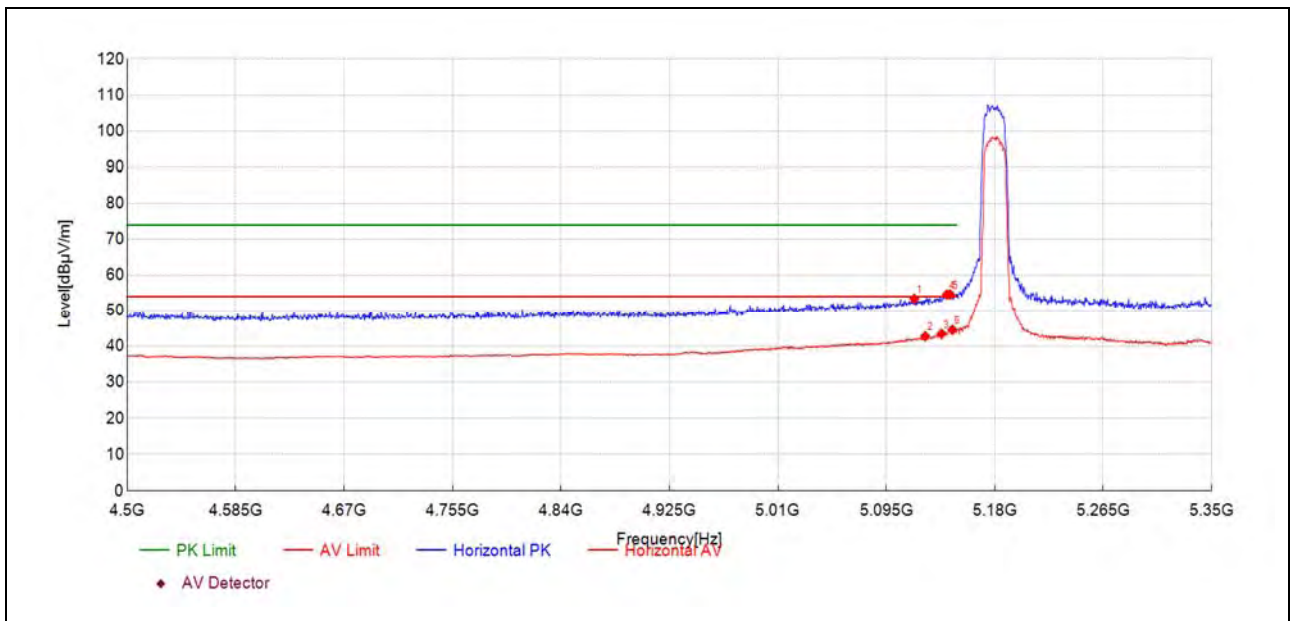
A.8. Restricted Frequency Bands

Note 1: Restricted Frequency Bands were performed when antenna was at vertical and horizontal polarity, and only the worse test condition (Horizontal) 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

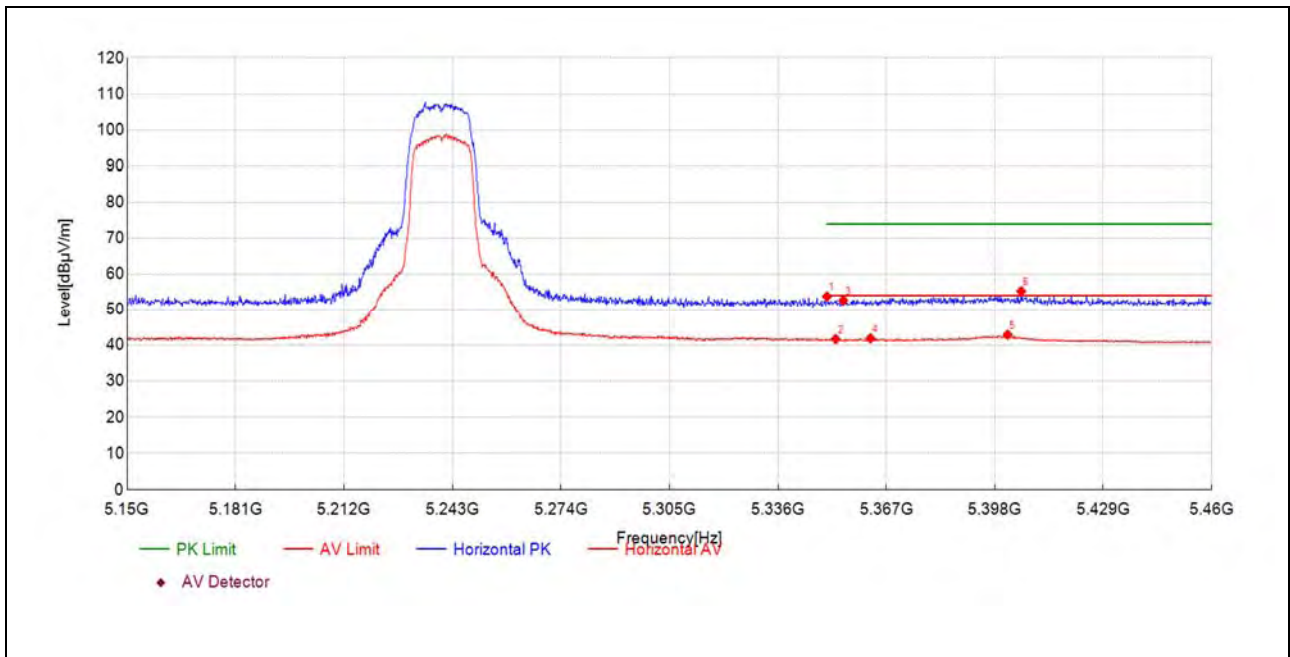
Plot for Channel 36



Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Polarity	Verdict
5116.98	39.4	53.42	13.990	74.00	20.58	213	PK	Horizontal	PASS
5125.49	28.6	42.76	14.150	54.00	11.24	265	AV	Horizontal	PASS
5138.24	29.1	43.43	14.380	54.00	10.57	265	AV	Horizontal	PASS
5142.50	40.2	54.63	14.450	74.00	19.37	122	PK	Horizontal	PASS
5145.05	40.2	54.65	14.500	74.00	19.35	237	PK	Horizontal	PASS
5146.75	30.0	44.57	14.530	54.00	9.43	265	AV	Horizontal	PASS

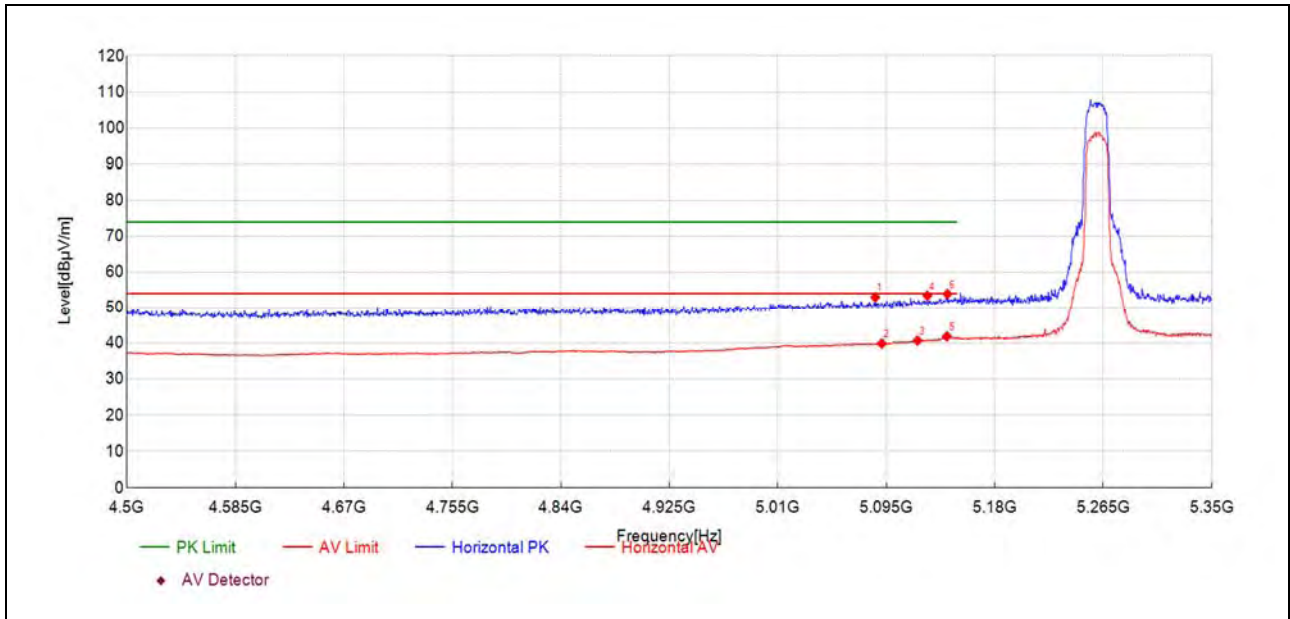


Plot for Channel 48



Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Polarity	Verdict
5350.05	38.8	53.77	14.980	74.00	20.23	268	PK	Horizontal	PASS
5352.53	26.7	41.70	15.020	54.00	12.30	268	AV	Horizontal	PASS
5354.70	37.6	52.67	15.050	74.00	21.33	222	PK	Horizontal	PASS
5362.46	26.8	41.91	15.150	54.00	12.09	268	AV	Horizontal	PASS
5401.69	27.3	42.91	15.660	54.00	11.09	264	AV	Horizontal	PASS
5405.57	39.6	55.22	15.610	74.00	18.78	307	PK	Horizontal	PASS

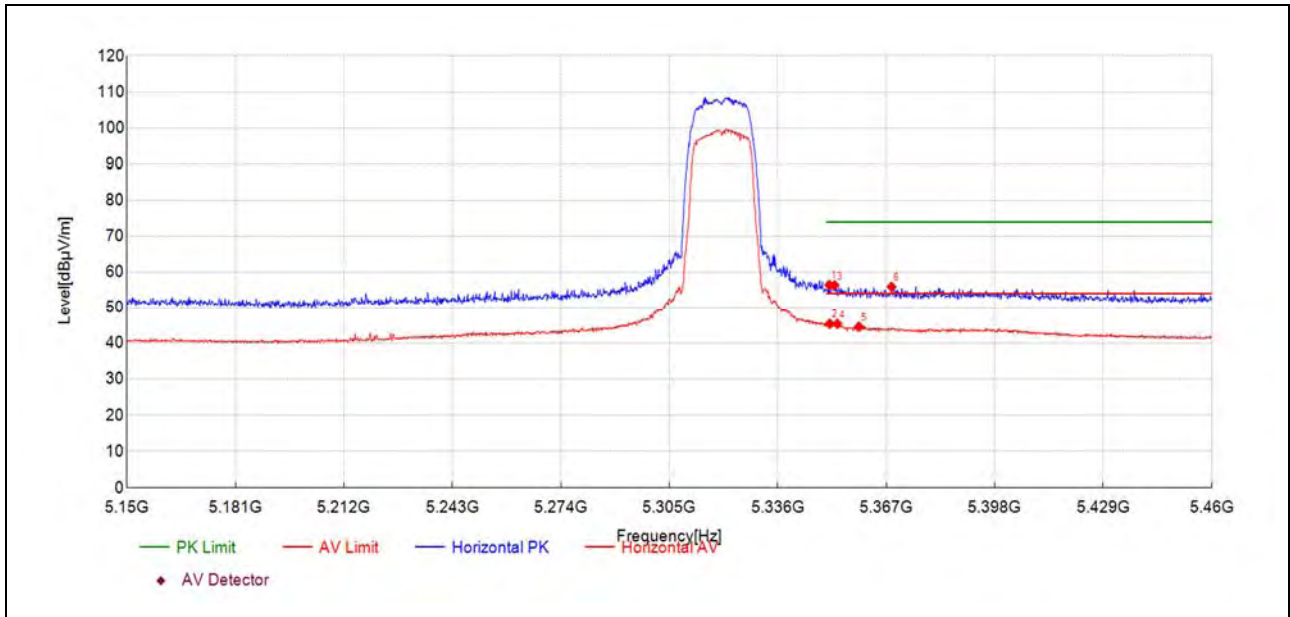
Plot for Channel 52



Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Polarity	Verdict
5086.37	39.4	52.99	13.610	74.00	21.01	294	PK	Horizontal	PASS
5091.47	26.3	39.89	13.640	54.00	14.11	261	AV	Horizontal	PASS
5119.53	26.7	40.73	14.030	54.00	13.27	265	AV	Horizontal	PASS
5127.19	39.3	53.44	14.180	74.00	20.56	223	PK	Horizontal	PASS
5142.50	27.4	41.88	14.450	54.00	12.12	265	AV	Horizontal	PASS
5142.92	39.5	53.91	14.460	74.00	20.09	265	PK	Horizontal	PASS

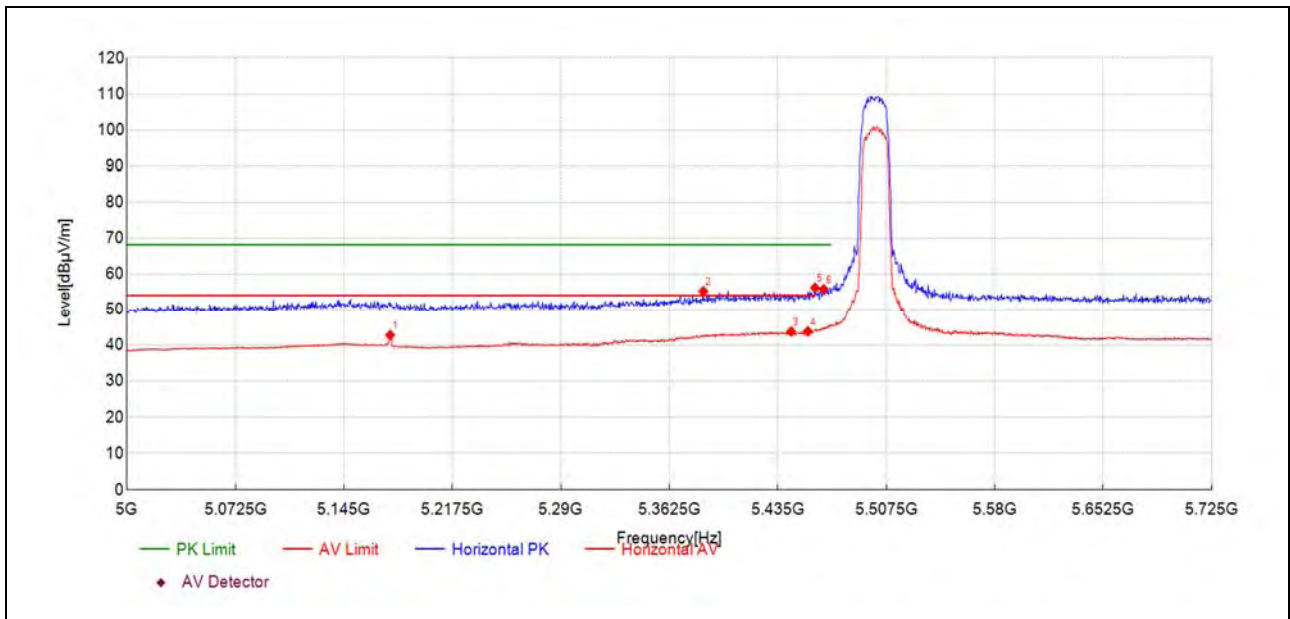


Plot for Channel 64



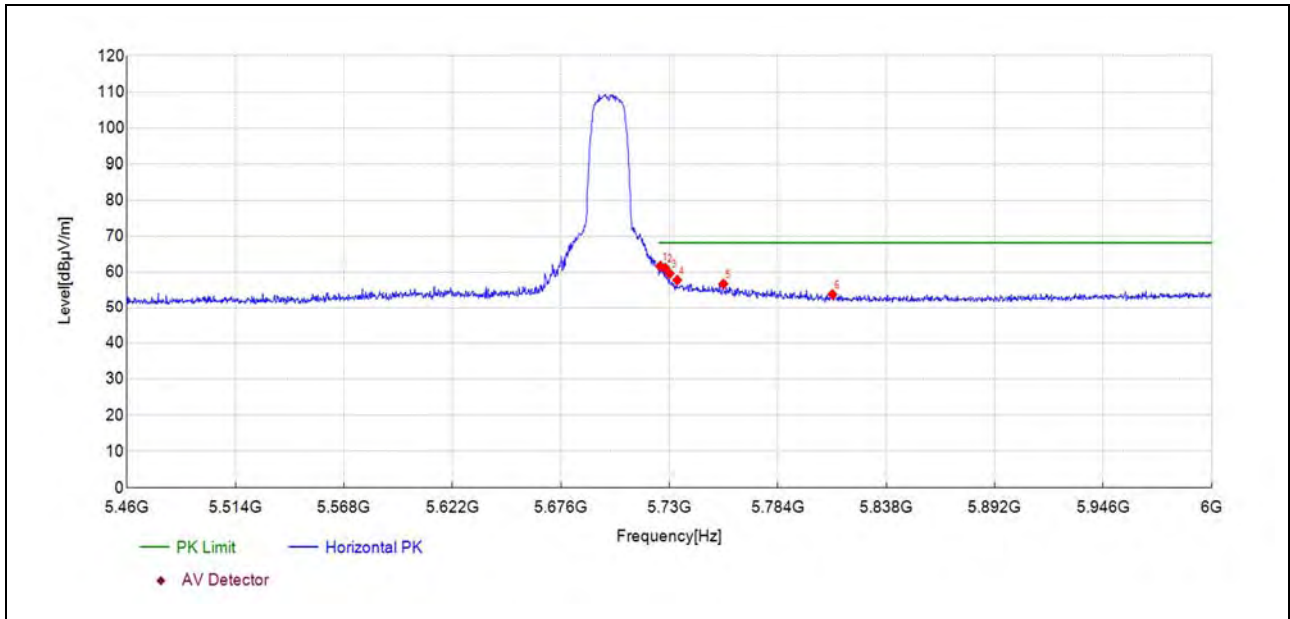
Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Polarity	Verdict
5350.67	41.4	56.42	14.990	74.00	17.58	268	PK	Horizontal	PASS
5350.83	30.4	45.42	14.990	54.00	8.58	263	AV	Horizontal	PASS
5352.22	41.3	56.33	15.010	74.00	17.67	273	PK	Horizontal	PASS
5353.00	30.4	45.37	15.020	54.00	8.63	263	AV	Horizontal	PASS
5359.20	29.5	44.58	15.110	54.00	9.42	268	AV	Horizontal	PASS
5368.50	40.7	55.93	15.240	74.00	18.07	273	PK	Horizontal	PASS

Plot for Channel 100



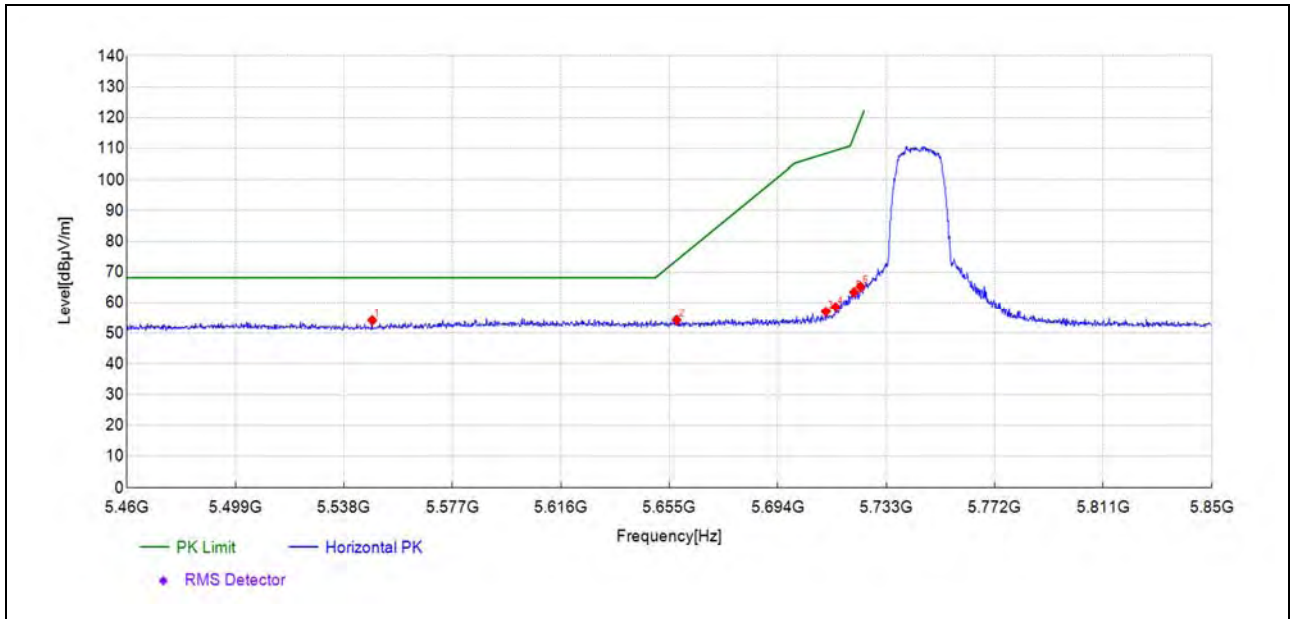
Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Polarity	Verdict
5175.90	28.7	42.80	14.080	54.00	11.20	114	AV	Horizontal	PASS
5385.17	39.8	55.22	15.470	68.23	13.01	264	PK	Horizontal	PASS
5443.92	28.6	43.77	15.150	54.00	10.23	264	AV	Horizontal	PASS
5455.17	28.7	43.83	15.090	54.00	10.17	268	AV	Horizontal	PASS
5459.88	41.1	56.18	15.110	68.23	12.05	264	PK	Horizontal	PASS
5465.68	40.7	55.79	15.130	68.23	12.44	264	PK	Horizontal	PASS

Plot for Channel 140



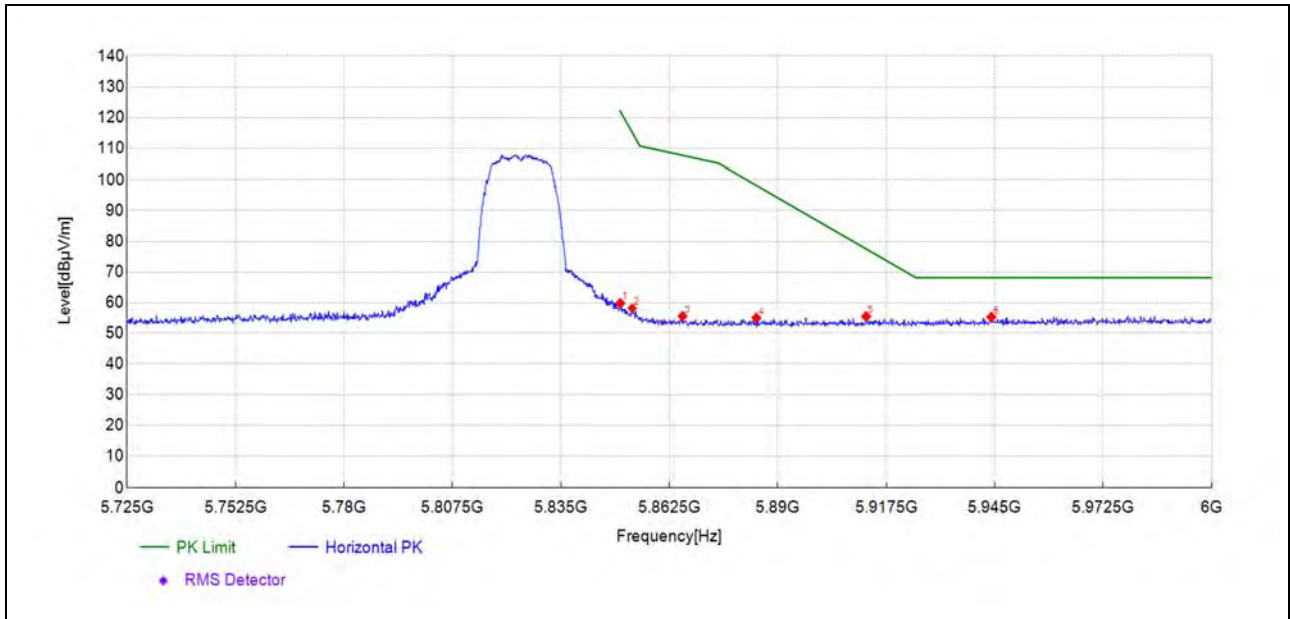
Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Polarity	Verdict
5725.54	45.5	61.71	16.250	68.23	6.52	269	PK	Horizontal	PASS
5727.97	44.9	61.18	16.250	68.23	7.05	269	PK	Horizontal	PASS
5730.14	43.4	59.61	16.260	68.23	8.62	269	PK	Horizontal	PASS
5733.92	41.6	57.81	16.260	68.23	10.42	269	PK	Horizontal	PASS
5756.88	40.5	56.74	16.250	68.23	11.49	269	PK	Horizontal	PASS
5811.18	37.8	53.82	15.990	68.23	14.41	269	PK	Horizontal	PASS

Plot for Channel 149



Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Polarity	Verdict
5548.18	39.1	54.07	14.940	68.23	14.16	266	PK	Horizontal	PASS
5657.63	38.3	54.14	15.870	73.88	19.74	257	PK	Horizontal	PASS
5711.29	40.8	56.97	16.220	108.39	51.42	274	PK	Horizontal	PASS
5714.80	42.3	58.55	16.230	109.37	50.82	253	PK	Horizontal	PASS
5721.43	47.3	63.49	16.240	114.09	50.60	266	PK	Horizontal	PASS
5723.77	49.0	65.24	16.240	119.43	54.19	274	PK	Horizontal	PASS

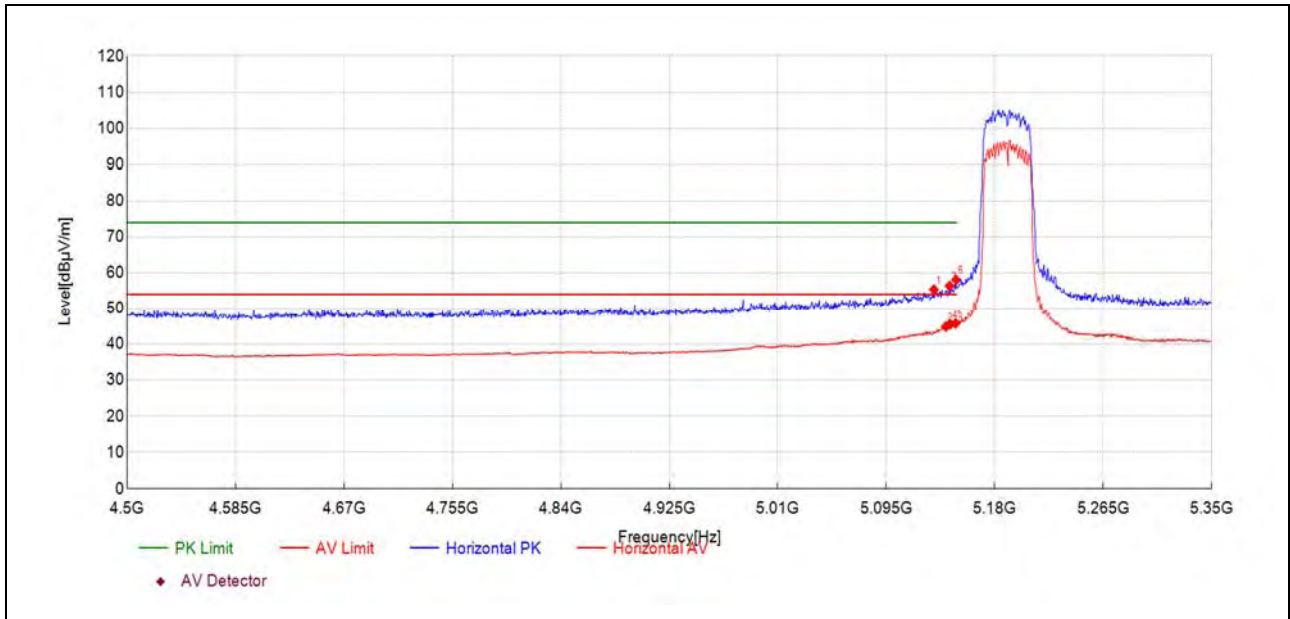
Plot for Channel 165



Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Polarity	Verdict
5850.05	43.9	59.91	15.970	122.12	62.21	267	PK	Horizontal	PASS
5853.08	42.1	58.11	15.980	115.22	57.11	263	PK	Horizontal	PASS
5865.87	39.4	55.39	16.020	107.79	52.40	124	PK	Horizontal	PASS
5884.58	38.7	54.81	16.100	98.14	43.33	254	PK	Horizontal	PASS
5912.37	39.1	55.33	16.240	77.58	22.25	284	PK	Horizontal	PASS
5944.15	38.6	55.13	16.500	68.23	13.10	254	PK	Horizontal	PASS

**802.11n (HT40) Mode**

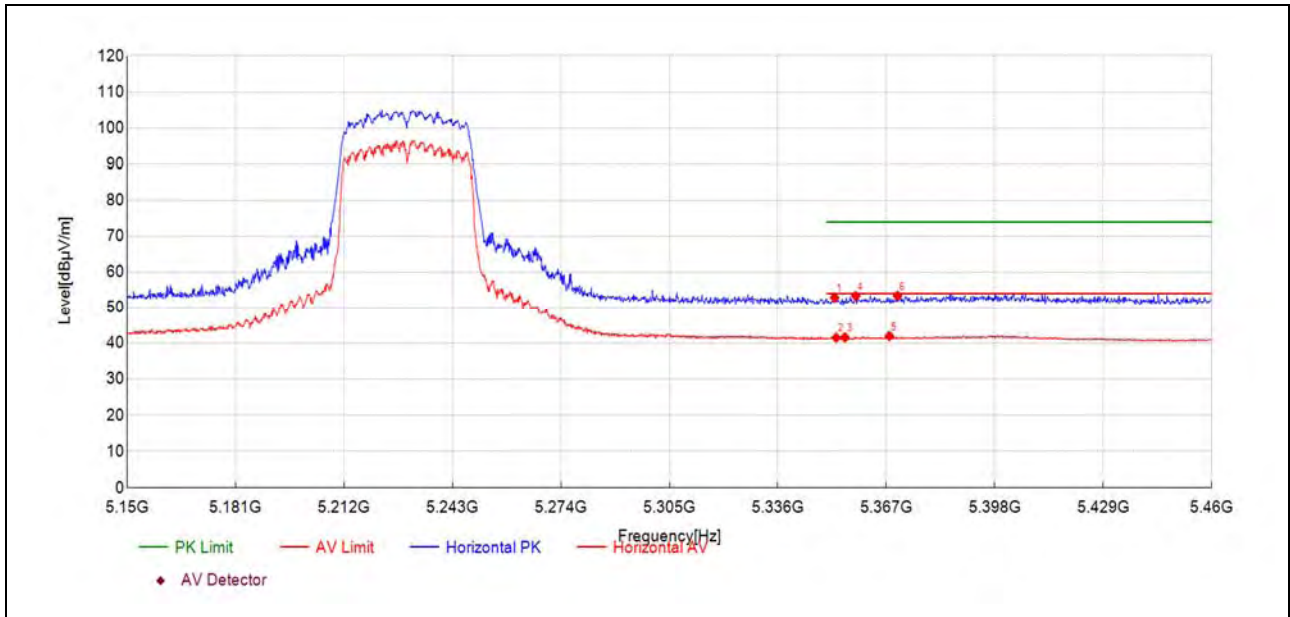
Plot for Channel 38



Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Polarity	Verdict
5132.29	41.1	55.38	14.270	74.00	18.62	292	PK	Horizontal	PASS
5141.65	30.4	44.88	14.440	54.00	9.12	123	AV	Horizontal	PASS
5144.62	41.9	56.38	14.490	74.00	17.62	232	PK	Horizontal	PASS
5145.05	31.0	45.52	14.500	54.00	8.48	123	AV	Horizontal	PASS
5149.30	31.2	45.80	14.580	54.00	8.20	264	AV	Horizontal	PASS
5149.72	43.5	58.09	14.590	74.00	15.91	123	PK	Horizontal	PASS



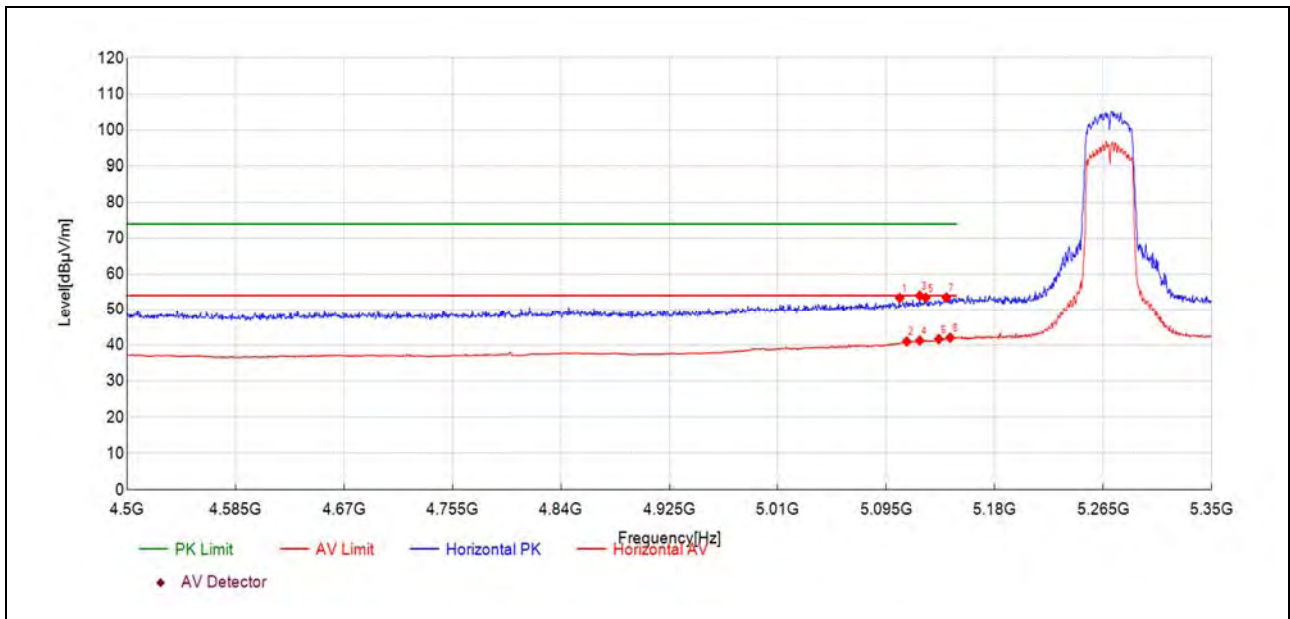
Plot for Channel 46



Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Polarity	Verdict
5352.22	37.9	52.90	15.010	74.00	21.10	53	PK	Horizontal	PASS
5352.69	26.5	41.53	15.020	54.00	12.47	128	AV	Horizontal	PASS
5355.17	26.6	41.60	15.050	54.00	12.40	123	AV	Horizontal	PASS
5358.27	38.3	53.37	15.100	74.00	20.63	118	PK	Horizontal	PASS
5367.88	26.7	41.97	15.230	54.00	12.03	264	AV	Horizontal	PASS
5370.21	38.2	53.43	15.260	74.00	20.57	67	PK	Horizontal	PASS



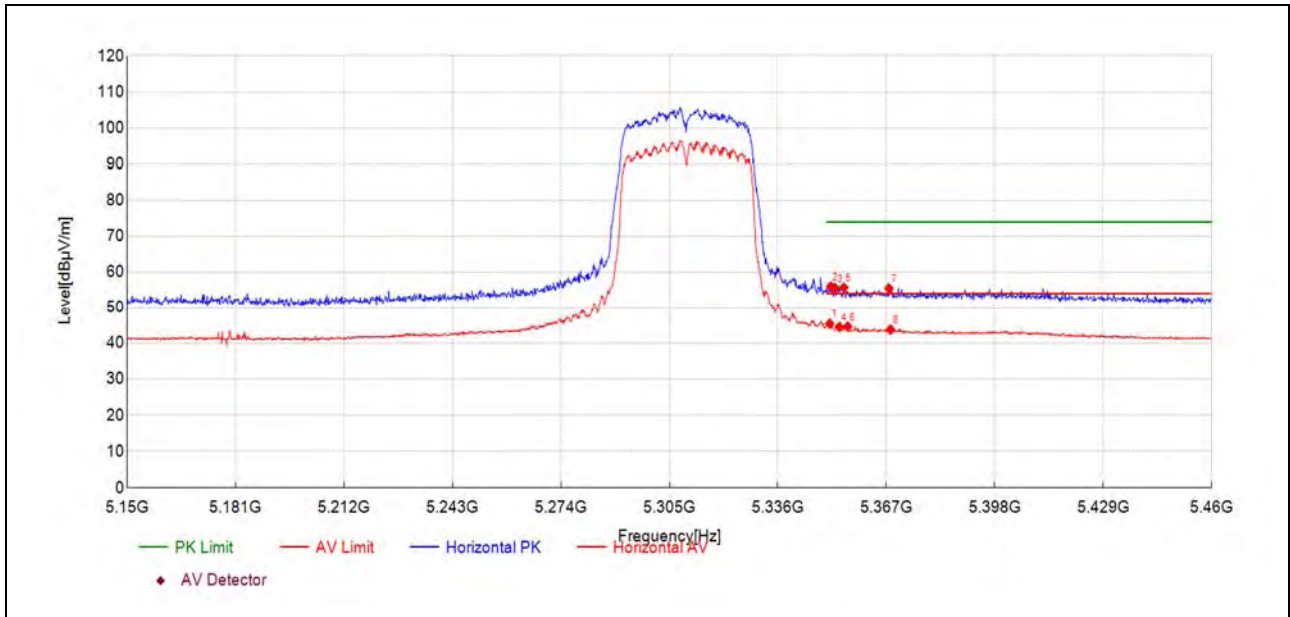
Plot for Channel 54



Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Polarity	Verdict
5105.50	39.6	53.39	13.780	74.00	20.61	128	PK	Horizontal	PASS
5111.03	27.2	41.03	13.880	54.00	12.97	128	AV	Horizontal	PASS
5121.24	40.0	54.01	14.060	74.00	19.99	123	PK	Horizontal	PASS
5121.24	27.2	41.28	14.060	54.00	12.72	128	AV	Horizontal	PASS
5125.91	39.3	53.44	14.160	74.00	20.56	128	PK	Horizontal	PASS
5136.12	27.3	41.68	14.340	54.00	12.32	128	AV	Horizontal	PASS
5142.07	39.0	53.48	14.450	74.00	20.52	128	PK	Horizontal	PASS
5145.05	27.6	42.08	14.500	54.00	11.92	119	AV	Horizontal	PASS

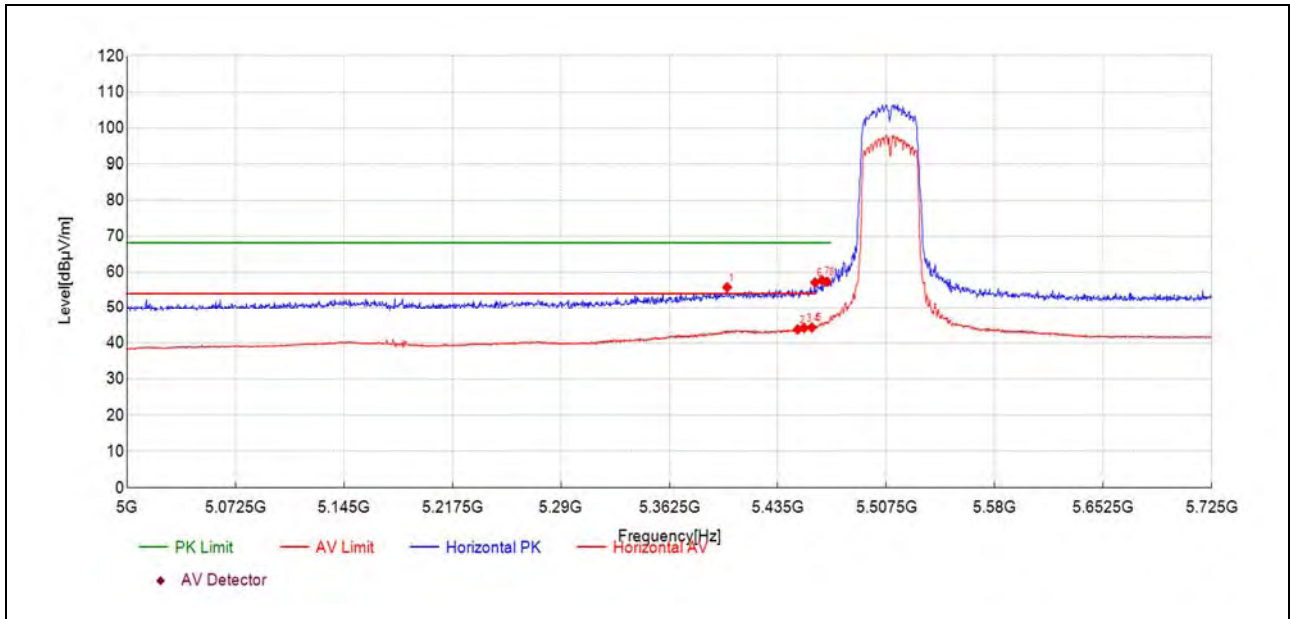


Plot for Channel 62



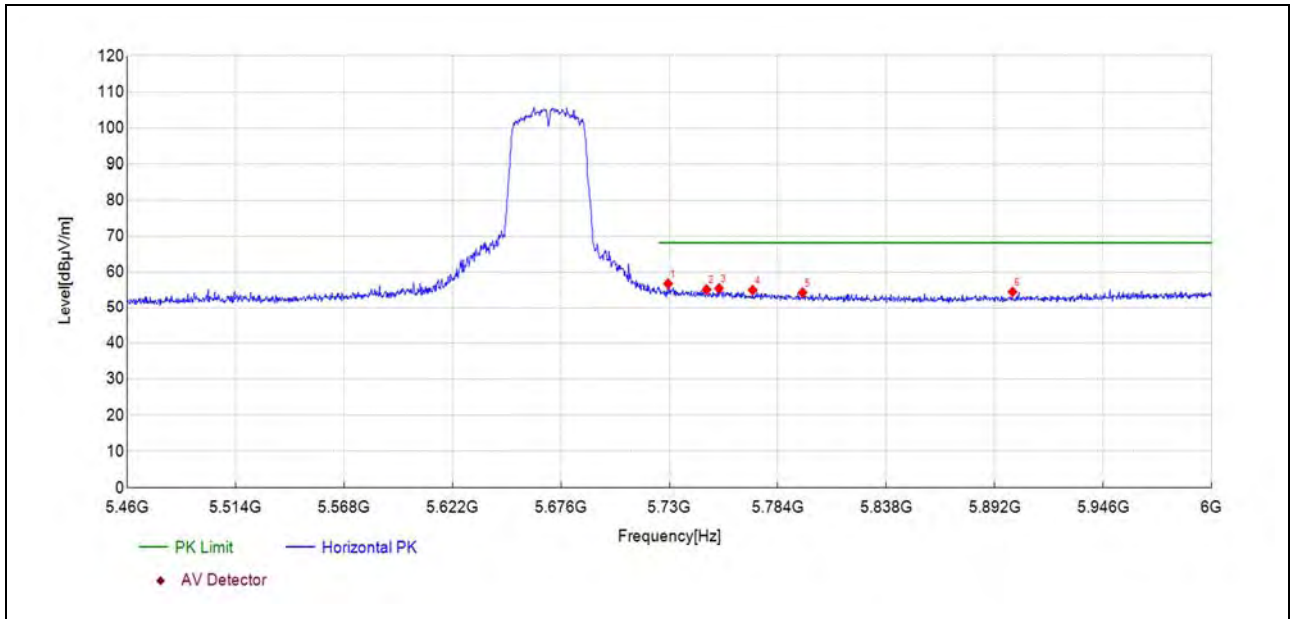
Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Polarity	Verdict
5350.83	30.4	45.42	14.990	54.00	8.58	117	AV	Horizontal	PASS
5351.14	41.0	56.02	15.000	74.00	17.98	117	PK	Horizontal	PASS
5352.38	40.6	55.61	15.010	74.00	18.39	94	PK	Horizontal	PASS
5353.62	29.5	44.51	15.030	54.00	9.49	264	AV	Horizontal	PASS
5354.86	40.6	55.68	15.050	74.00	18.32	264	PK	Horizontal	PASS
5355.94	29.6	44.63	15.060	54.00	9.37	117	AV	Horizontal	PASS
5367.73	40.3	55.48	15.230	74.00	18.52	260	PK	Horizontal	PASS
5368.19	28.6	43.78	15.230	54.00	10.22	117	AV	Horizontal	PASS

Plot for Channel 102



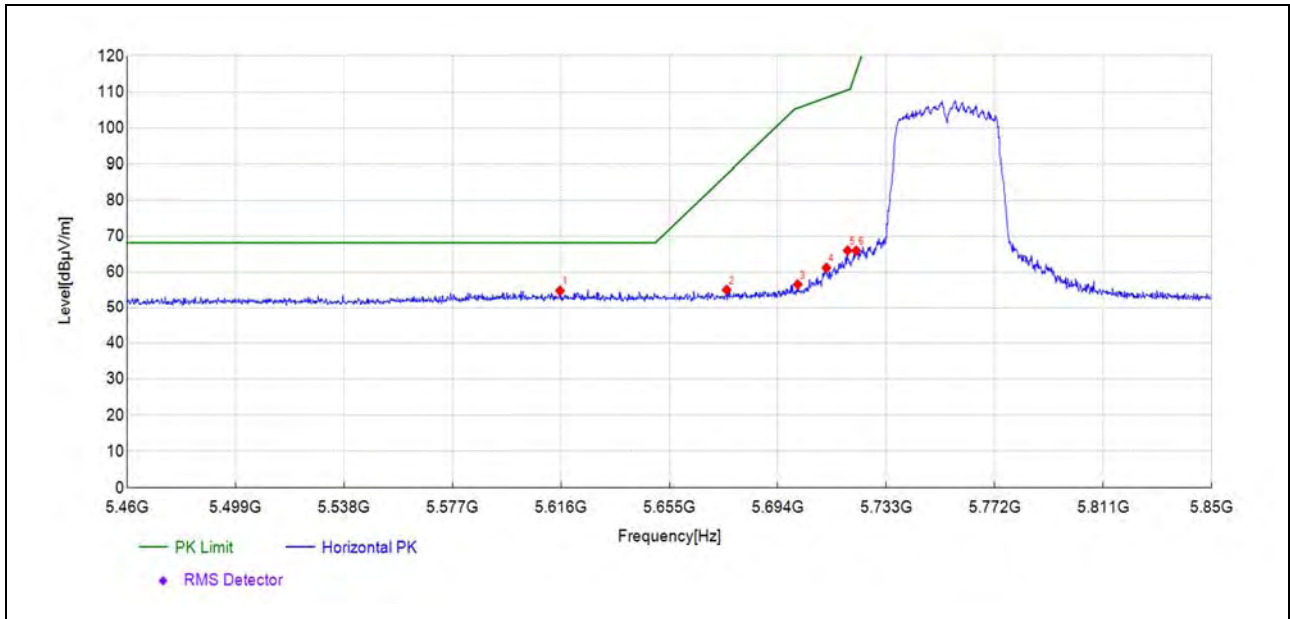
Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Polarity	Verdict
5401.13	40.1	55.80	15.660	68.23	12.43	128	PK	Horizontal	PASS
5448.27	28.7	43.80	15.090	54.00	10.20	123	AV	Horizontal	PASS
5452.63	29.1	44.21	15.080	54.00	9.79	128	AV	Horizontal	PASS
5457.70	29.2	44.33	15.100	54.00	9.67	128	AV	Horizontal	PASS
5459.52	29.5	44.57	15.110	54.00	9.43	270	AV	Horizontal	PASS
5459.88	42.0	57.13	15.110	68.23	11.10	123	PK	Horizontal	PASS
5464.59	42.6	57.74	15.130	68.23	10.49	132	PK	Horizontal	PASS
5467.86	42.2	57.35	15.140	68.23	10.88	123	PK	Horizontal	PASS

Plot for Channel 134



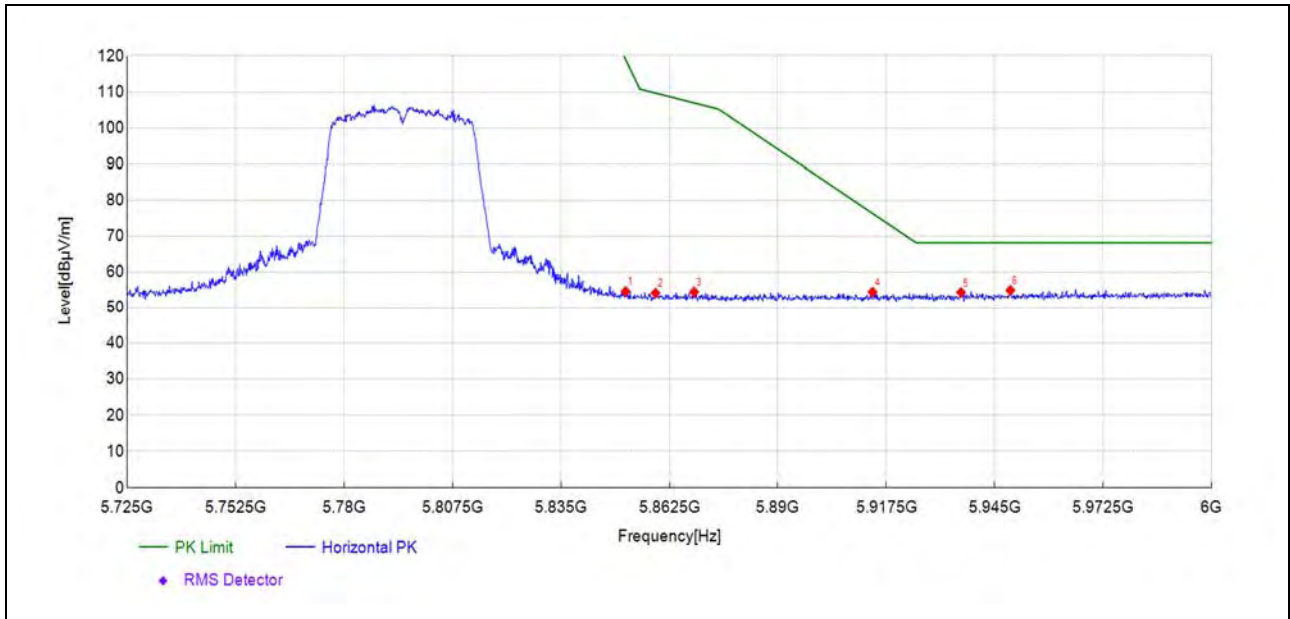
Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Polarity	Verdict
5729.32	40.6	56.80	16.250	68.23	11.43	267	PK	Horizontal	PASS
5748.50	38.9	55.17	16.290	68.23	13.06	10	PK	Horizontal	PASS
5754.72	39.2	55.46	16.260	68.23	12.77	267	PK	Horizontal	PASS
5771.47	38.8	55.01	16.170	68.23	13.22	258	PK	Horizontal	PASS
5796.32	38.3	54.31	16.020	68.23	13.92	199	PK	Horizontal	PASS
5900.86	38.4	54.53	16.160	68.23	13.70	0	PK	Horizontal	PASS

Plot for Channel 151



Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Polarity	Verdict
5615.69	39.0	54.83	15.880	68.23	13.40	263	PK	Horizontal	PASS
5675.58	39.1	55.08	16.000	87.16	32.08	272	PK	Horizontal	PASS
5701.14	40.4	56.60	16.200	105.55	48.95	140	PK	Horizontal	PASS
5711.48	45.0	61.24	16.220	108.44	47.20	136	PK	Horizontal	PASS
5719.09	49.8	66.05	16.230	110.58	44.53	272	PK	Horizontal	PASS
5722.21	49.8	66.00	16.250	115.87	49.87	272	PK	Horizontal	PASS

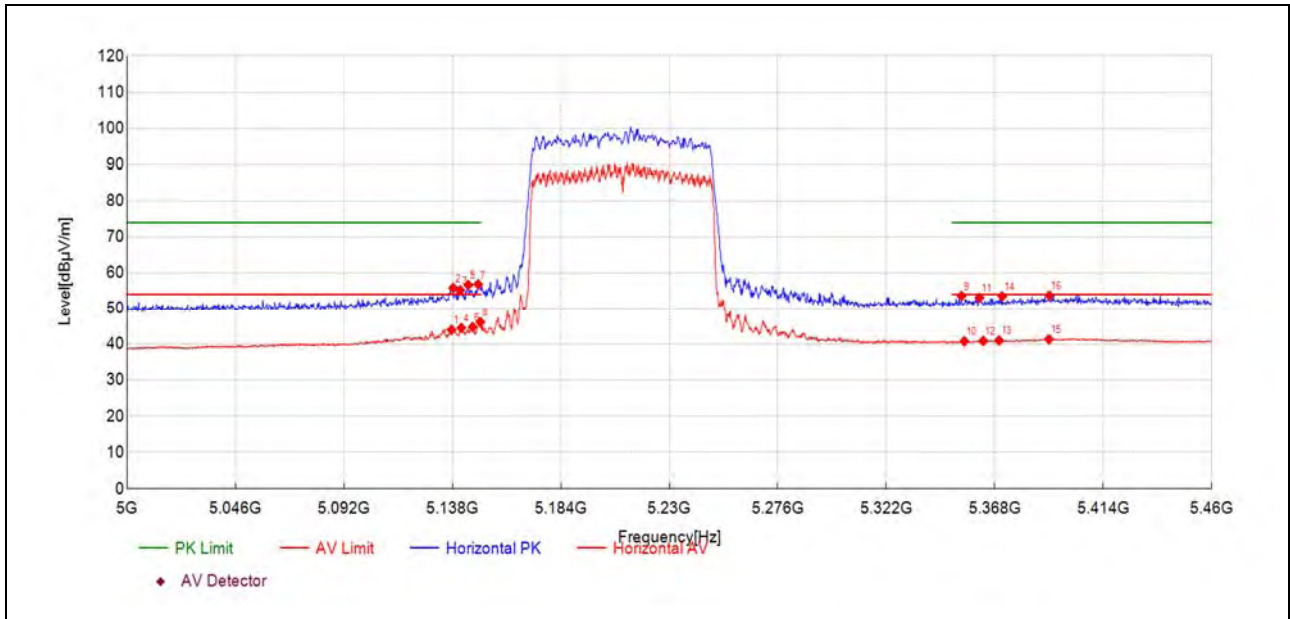
Plot for Channel 159



Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Polarity	Verdict
5851.43	38.7	54.66	15.980	118.98	64.32	101	PK	Horizontal	PASS
5858.99	38.2	54.18	16.010	109.71	55.53	105	PK	Horizontal	PASS
5868.76	38.5	54.51	16.040	106.98	52.47	190	PK	Horizontal	PASS
5914.02	38.2	54.48	16.260	76.36	21.88	274	PK	Horizontal	PASS
5936.44	37.9	54.36	16.440	68.23	13.87	198	PK	Horizontal	PASS
5948.96	38.4	54.95	16.540	68.23	13.28	97	PK	Horizontal	PASS

**802.11ac (VHT80) Mode**

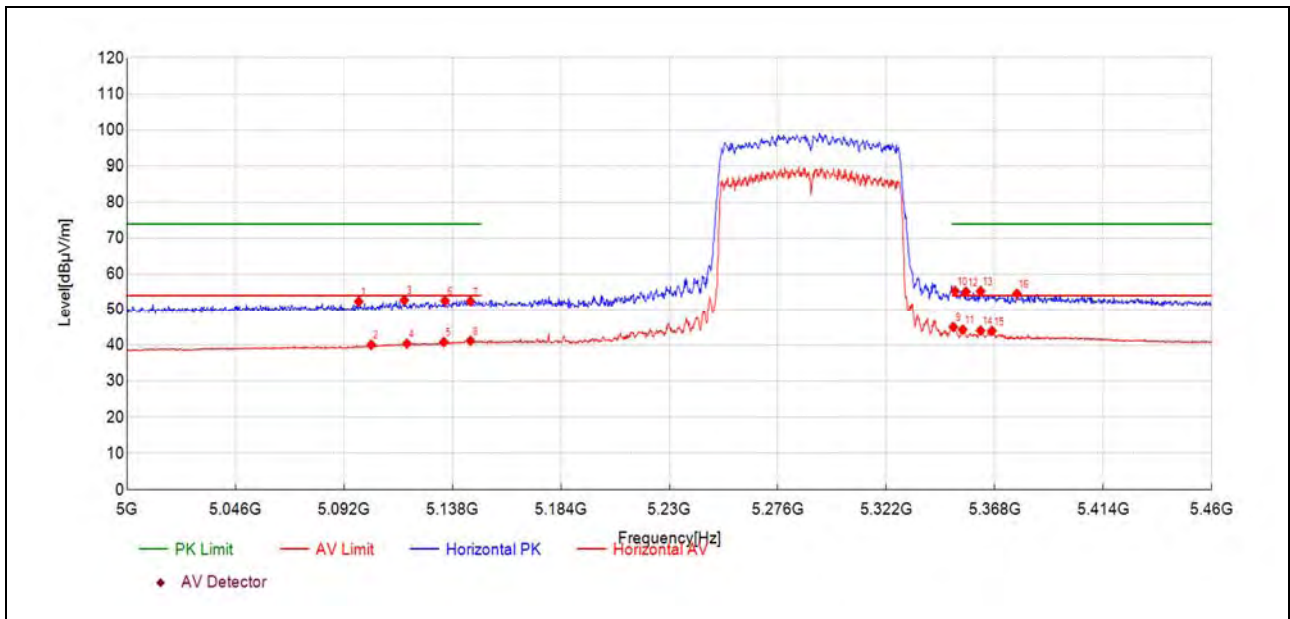
Plot for Channel 42



Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Polarity	Verdict
5137.61	29.6	43.97	14.370	54.00	10.03	264	AV	Horizontal	PASS
5138.30	41.5	55.83	14.380	74.00	18.17	126	PK	Horizontal	PASS
5141.29	40.8	55.20	14.430	74.00	18.80	264	PK	Horizontal	PASS
5141.75	30.1	44.50	14.440	54.00	9.50	121	AV	Horizontal	PASS
5144.74	42.2	56.65	14.500	74.00	17.35	264	PK	Horizontal	PASS
5146.58	30.2	44.74	14.530	54.00	9.26	121	AV	Horizontal	PASS
5148.88	42.3	56.85	14.570	74.00	17.15	121	PK	Horizontal	PASS
5149.80	31.6	46.14	14.590	54.00	7.86	264	AV	Horizontal	PASS
5353.92	38.6	53.62	15.030	74.00	20.38	50	PK	Horizontal	PASS
5355.07	25.7	40.78	15.050	54.00	13.22	117	AV	Horizontal	PASS
5361.51	38.0	53.09	15.140	74.00	20.91	187	PK	Horizontal	PASS
5363.12	25.7	40.89	15.160	54.00	13.11	264	AV	Horizontal	PASS
5369.79	25.8	41.03	15.260	54.00	12.97	268	AV	Horizontal	PASS
5371.18	38.2	53.50	15.280	74.00	20.50	69	PK	Horizontal	PASS
5390.97	25.8	41.34	15.550	54.00	12.66	112	AV	Horizontal	PASS



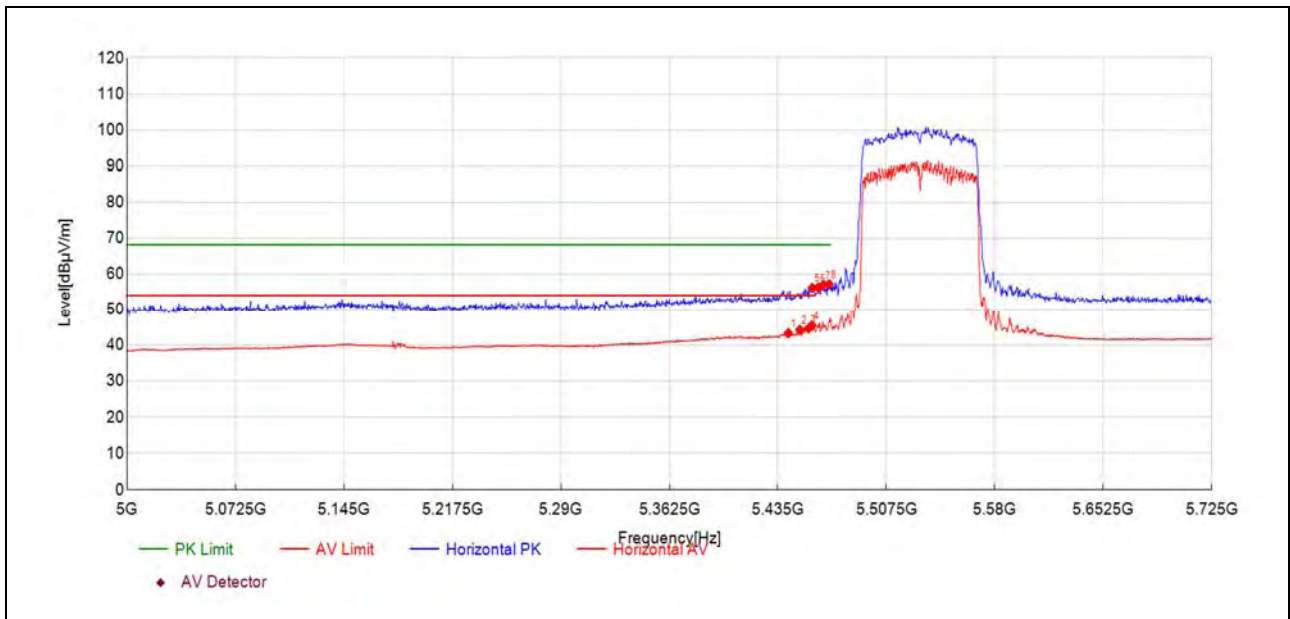
Plot for Channel 58



Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Polarity	Verdict
5098.26	38.7	52.40	13.670	74.00	21.60	259	PK	Horizontal	PASS
5103.55	26.4	40.09	13.740	54.00	13.91	126	AV	Horizontal	PASS
5117.59	38.7	52.73	14.000	74.00	21.27	357	PK	Horizontal	PASS
5118.74	26.4	40.42	14.020	54.00	13.58	117	AV	Horizontal	PASS
5134.39	26.5	40.84	14.310	54.00	13.16	117	AV	Horizontal	PASS
5134.85	38.2	52.56	14.320	74.00	21.44	107	PK	Horizontal	PASS
5145.66	38.0	52.46	14.510	74.00	21.54	126	PK	Horizontal	PASS
5145.66	26.7	41.19	14.510	54.00	12.81	121	AV	Horizontal	PASS
5350.47	30.0	45.03	14.990	54.00	8.97	264	AV	Horizontal	PASS
5351.16	40.3	55.29	15.000	74.00	18.71	216	PK	Horizontal	PASS
5354.38	29.3	44.30	15.040	54.00	9.70	268	AV	Horizontal	PASS
5355.76	40.0	55.10	15.060	74.00	18.90	121	PK	Horizontal	PASS
5361.97	40.1	55.27	15.150	74.00	18.73	117	PK	Horizontal	PASS
5361.97	28.9	44.04	15.150	54.00	9.96	268	AV	Horizontal	PASS
5366.80	28.7	43.93	15.220	54.00	10.07	268	AV	Horizontal	PASS



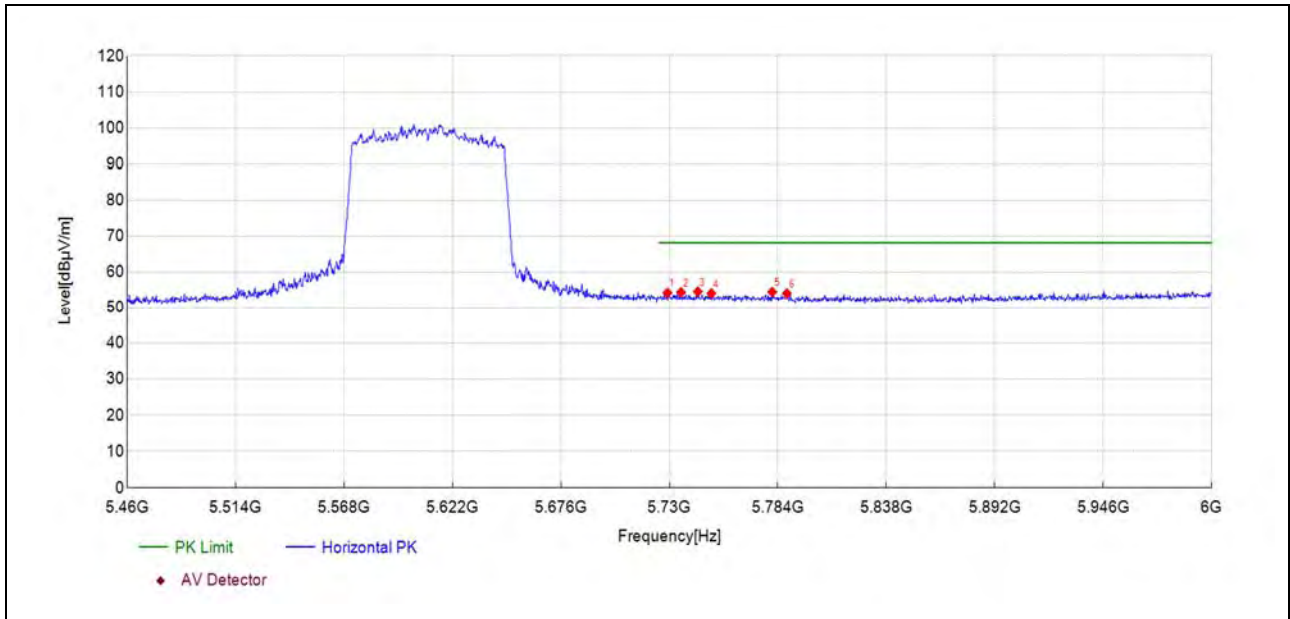
Plot for Channel 106



Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Polarity	Verdict
5442.11	28.2	43.33	15.170	54.00	10.67	131	AV	Horizontal	PASS
5449.72	29.2	44.27	15.070	54.00	9.73	264	AV	Horizontal	PASS
5455.53	29.6	44.66	15.090	54.00	9.34	122	AV	Horizontal	PASS
5457.70	30.4	45.49	15.100	54.00	8.51	122	AV	Horizontal	PASS
5458.07	41.1	56.18	15.100	68.23	12.05	269	PK	Horizontal	PASS
5462.06	41.2	56.29	15.120	68.23	11.94	131	PK	Horizontal	PASS
5465.32	41.9	57.00	15.130	68.23	11.23	122	PK	Horizontal	PASS
5469.31	42.1	57.21	15.140	68.23	11.02	264	PK	Horizontal	PASS

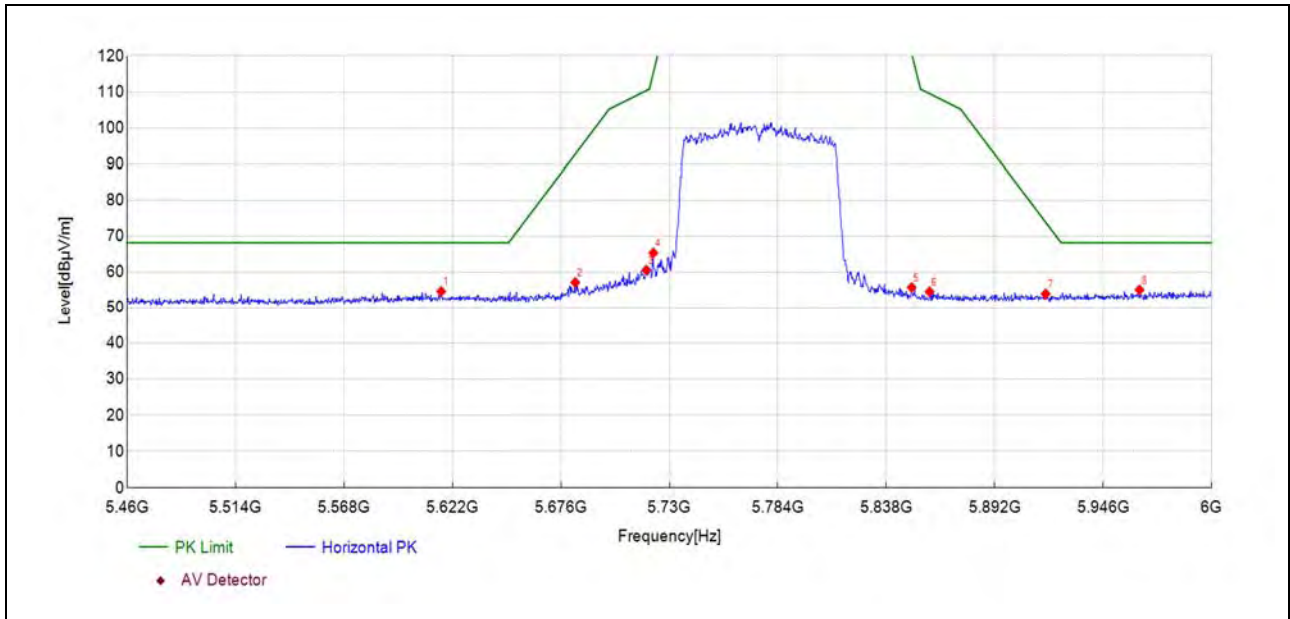


Plot for Channel 122



Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Polarity	Verdict
5729.05	38.0	54.22	16.250	68.23	14.01	259	PK	Horizontal	PASS
5735.81	38.1	54.40	16.270	68.23	13.83	187	PK	Horizontal	PASS
5744.18	38.3	54.59	16.280	68.23	13.64	170	PK	Horizontal	PASS
5750.94	37.8	54.11	16.290	68.23	14.12	306	PK	Horizontal	PASS
5781.19	38.4	54.48	16.110	68.23	13.75	234	PK	Horizontal	PASS
5788.48	38.0	54.07	16.070	68.23	14.16	132	PK	Horizontal	PASS

Plot for Channel 155



Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Polarity	Verdict
5616.41	38.8	54.66	15.870	68.23	13.57	245	PK	Horizontal	PASS
5683.13	41.1	57.13	16.070	92.75	35.62	123	PK	Horizontal	PASS
5718.52	44.4	60.60	16.230	110.42	49.82	127	PK	Horizontal	PASS
5722.03	49.1	65.38	16.250	115.46	50.08	270	PK	Horizontal	PASS
5850.62	39.8	55.74	15.970	120.83	65.09	102	PK	Horizontal	PASS
5859.53	38.6	54.57	16.010	109.56	54.99	106	PK	Horizontal	PASS
5917.34	37.7	53.94	16.280	73.90	19.96	76	PK	Horizontal	PASS
5964.07	38.4	55.08	16.720	68.23	13.15	93	PK	Horizontal	PASS



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:

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

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.

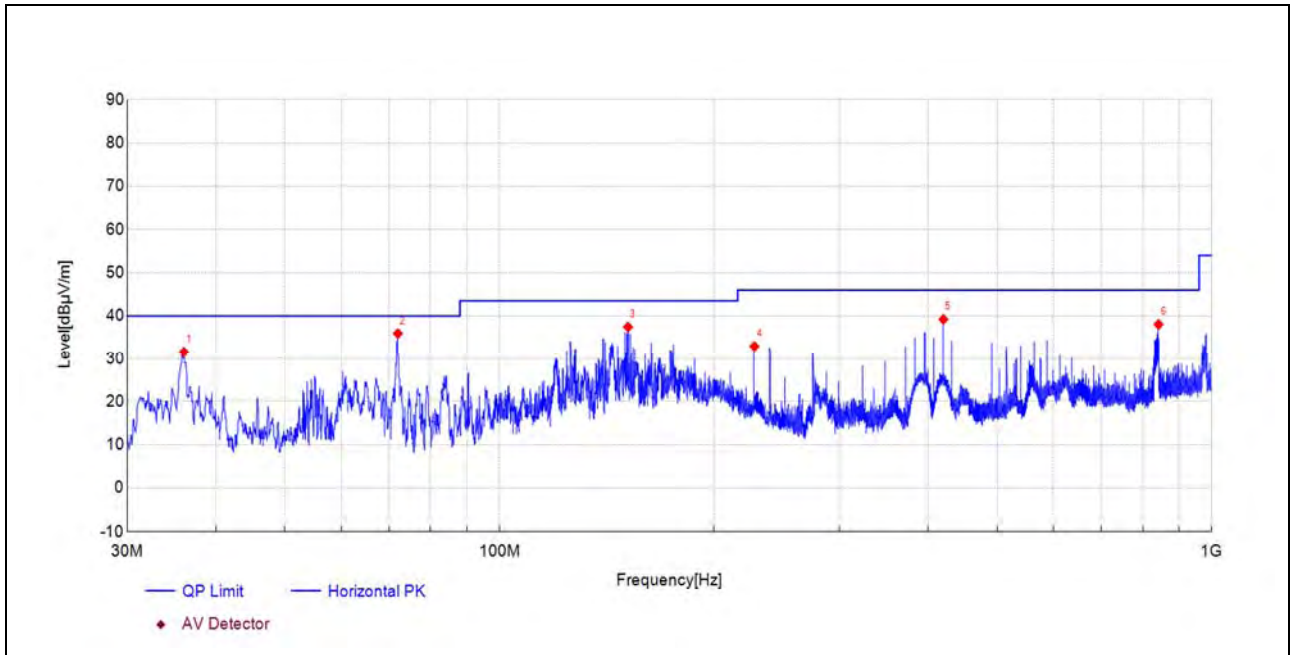
Note2: For the frequency, which started from 9kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

Note3: For the frequency, which started from 18GHz to 40GHz 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.

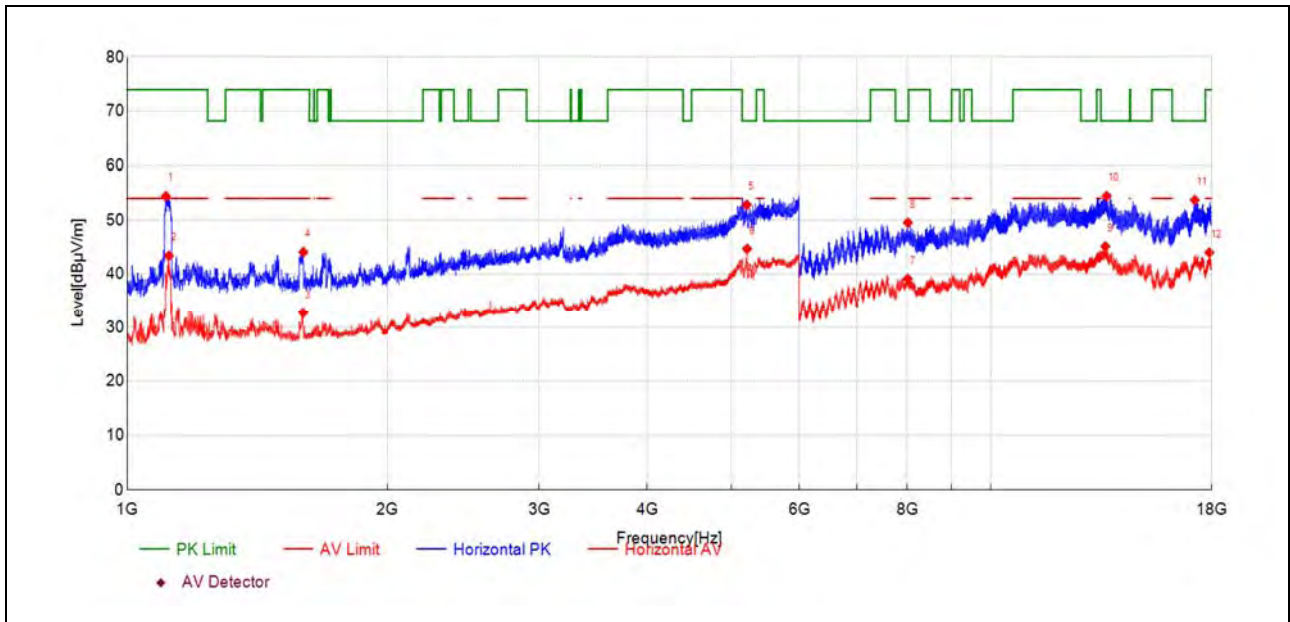
**802.11a Mode**

Plot for Channel 44



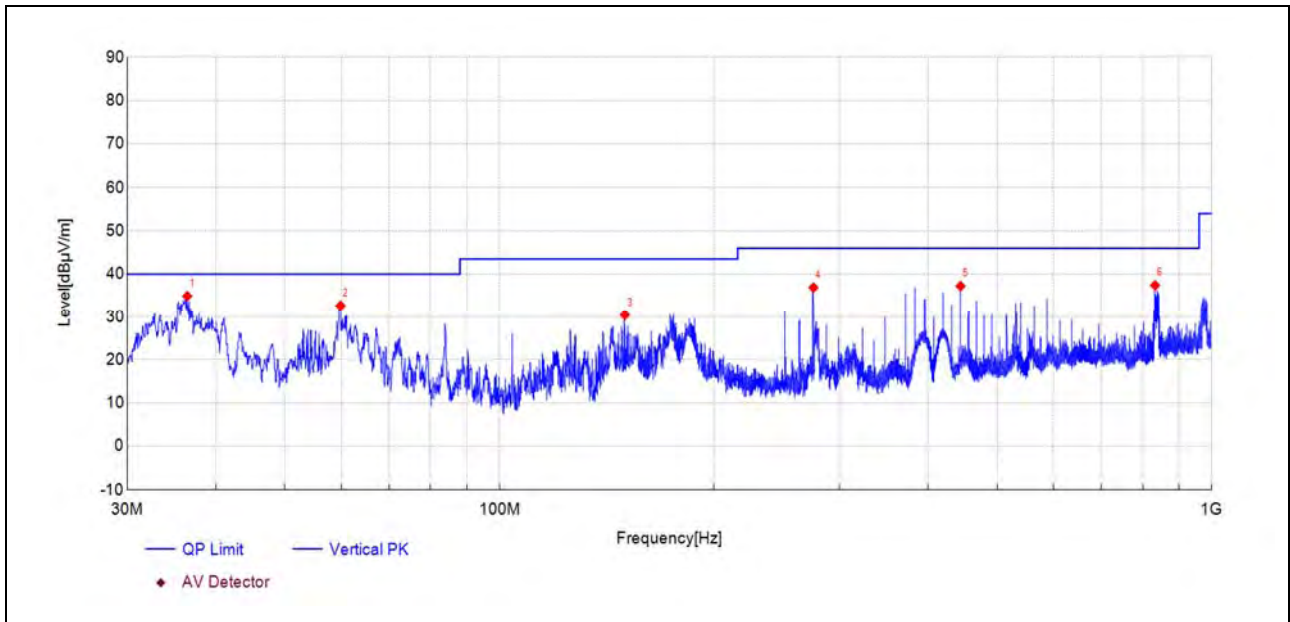
(Antenna Horizontal, 30MHz to 1GHz)

Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Polarity	Verdict
36.06	61.1	31.56	-29.570	40.00	8.44	351	PK	Horizontal	PASS
72.00	67.3	35.92	-31.380	40.00	4.08	343	PK	Horizontal	PASS
151.55	69.5	37.43	-32.050	43.50	6.07	56	PK	Horizontal	PASS
228.04	61.3	32.93	-28.400	46.00	13.07	76	PK	Horizontal	PASS
420.06	61.7	39.22	-22.430	46.00	6.78	301	PK	Horizontal	PASS
842.12	51.8	38.04	-13.790	46.00	7.96	76	PK	Horizontal	PASS



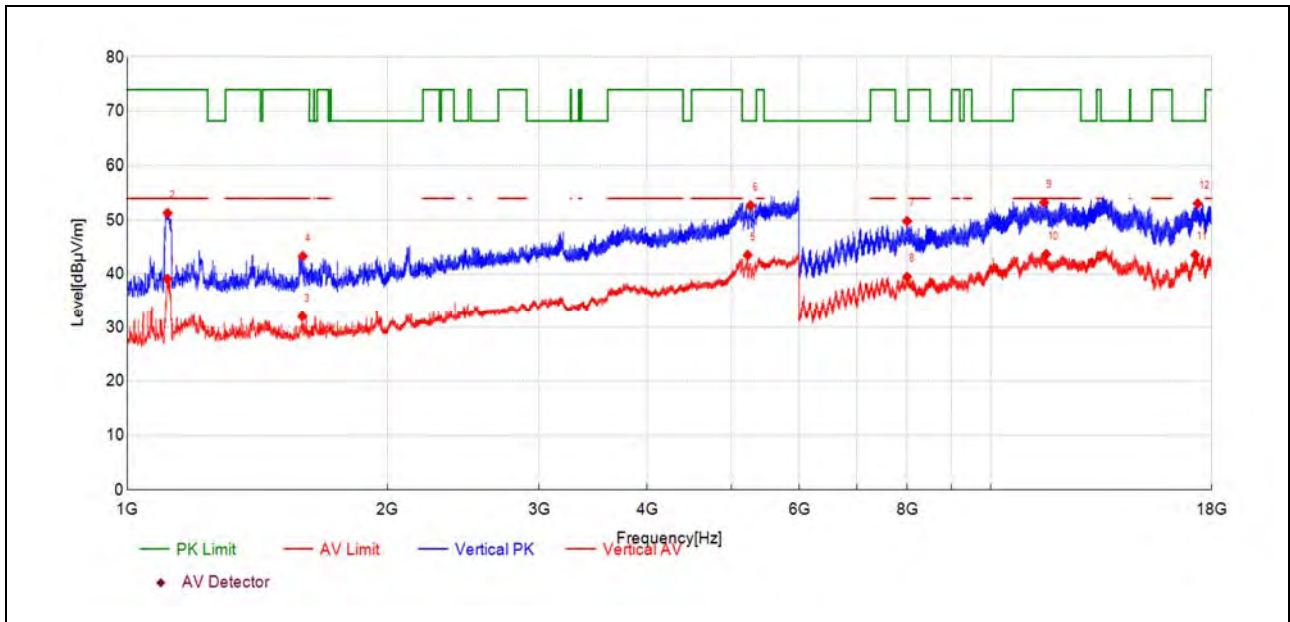
(Antenna Horizontal, 1GHz to 18GHz)

Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Polarity	Verdict
1109.10	56.5	54.42	-2.090	74.00	19.58	160	PK	Horizontal	PASS
1118.19	45.4	43.40	-2.030	54.00	10.60	169	AV	Horizontal	PASS
1599.15	33.1	32.75	-0.380	54.00	21.25	178	AV	Horizontal	PASS
1600.05	44.5	44.08	-0.370	74.00	29.92	354	PK	Horizontal	PASS
5214.93	36.5	52.84	16.340	68.23	15.39	290	PK	Horizontal	PASS
5218.11	28.3	44.67	16.380	-	-	178	AV	Horizontal	NA
8006.48	33.3	39.13	5.850	-	-	314	AV	Horizontal	NA
8010.80	43.7	49.51	5.780	68.23	18.72	171	PK	Horizontal	PASS
13557.90	28.0	45.13	17.090	-	-	242	AV	Horizontal	NA
13600.62	37.3	54.44	17.100	68.23	13.79	256	PK	Horizontal	PASS
17207.97	37.7	53.70	15.960	68.23	14.53	242	PK	Horizontal	PASS
17889.60	28.6	43.99	15.380	54.00	10.01	0	AV	Horizontal	PASS



(Antenna Vertical, 30MHz to 1GHz)

Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Polarity	Verdict
36.45	64.3	34.88	-29.440	40.00	5.12	348	PK	Vertical	PASS
59.83	61.2	32.63	-28.560	40.00	7.37	200	PK	Vertical	PASS
150.00	61.8	30.38	-31.460	43.50	13.12	9	PK	Vertical	PASS
276.00	63.0	36.88	-26.120	46.00	9.12	313	PK	Vertical	PASS
444.02	59.0	37.21	-21.770	46.00	8.79	17	PK	Vertical	PASS
832.72	51.5	37.39	-14.110	46.00	8.61	94	PK	Vertical	PASS

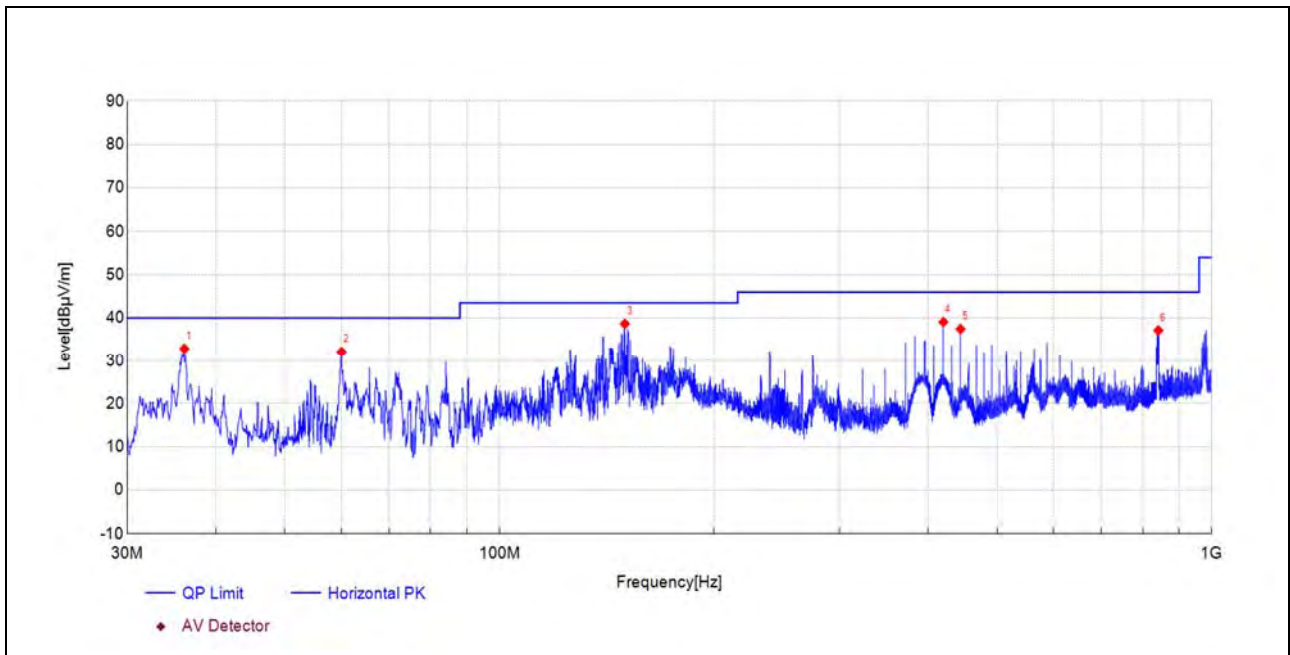


(Antenna Vertical, 1GHz to 18GHz)

Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Polarity	Verdict
1113.65	41.1	39.08	-2.060	54.00	14.92	144	AV	Vertical	PASS
1114.10	53.3	51.28	-2.060	74.00	22.72	144	PK	Vertical	PASS
1595.51	32.5	32.07	-0.410	54.00	21.93	163	AV	Vertical	PASS
1597.33	43.7	43.32	-0.400	74.00	30.68	181	PK	Vertical	PASS
5227.66	27.0	43.53	16.510	-	-	219	AV	Vertical	NA
5268.57	35.9	52.73	16.820	68.23	15.50	134	PK	Vertical	PASS
7993.52	44.0	49.80	5.840	68.23	18.43	228	PK	Vertical	PASS
7994.00	33.6	39.49	5.850	-	-	243	AV	Vertical	NA
11515.42	39.0	53.26	14.270	74.00	20.74	243	PK	Vertical	PASS
11584.54	29.4	43.69	14.280	54.00	10.31	0	AV	Vertical	PASS
17225.73	27.8	43.58	15.790	-	-	228	AV	Vertical	NA
17344.29	37.6	53.05	15.420	68.23	15.18	157	PK	Vertical	PASS

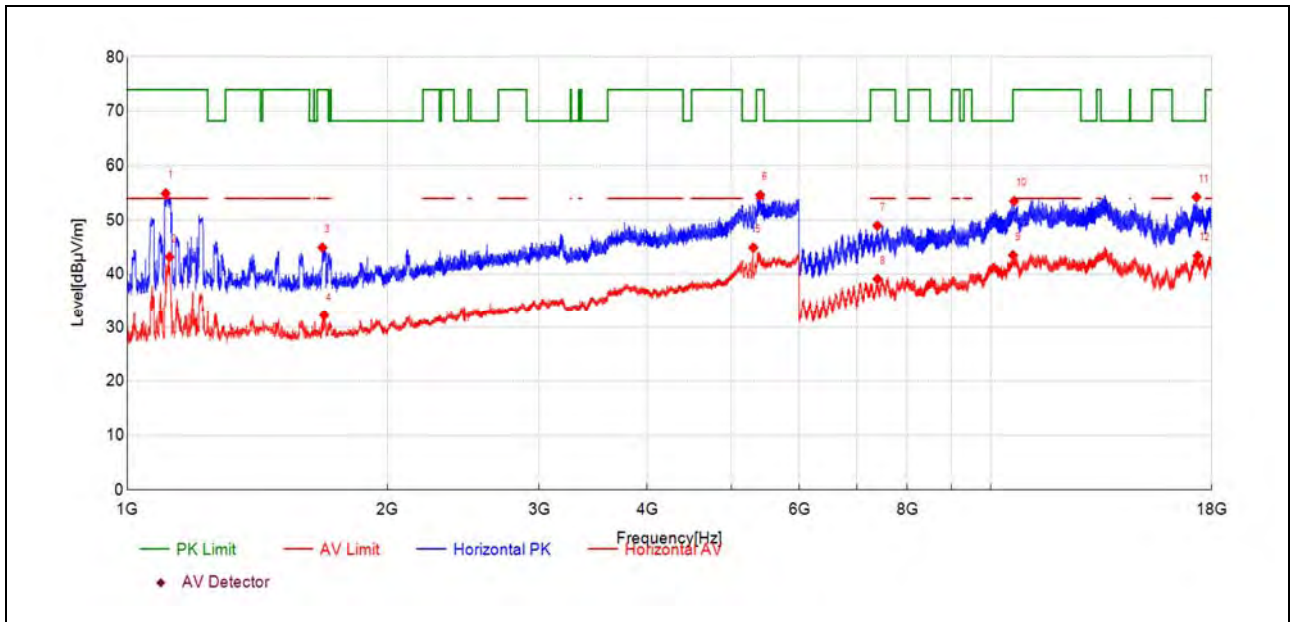


Plot for Channel 60



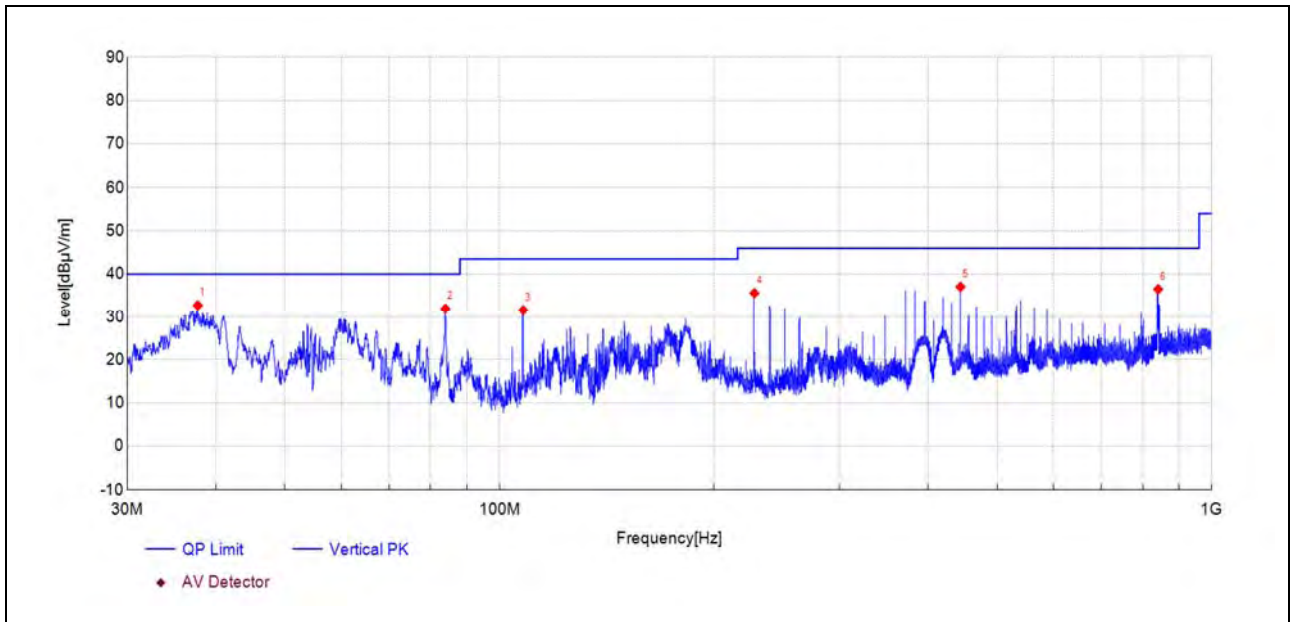
(Antenna Horizontal, 30MHz to 1GHz)

Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Polarity	Verdict
36.11	62.4	32.83	-29.560	40.00	7.17	17	PK	Horizontal	PASS
60.02	60.6	32.08	-28.550	40.00	7.92	67	PK	Horizontal	PASS
150.00	70.1	38.65	-31.460	43.50	4.85	60	PK	Horizontal	PASS
420.06	61.5	39.07	-22.430	46.00	6.93	306	PK	Horizontal	PASS
444.02	59.2	37.44	-21.770	46.00	8.56	299	PK	Horizontal	PASS
841.59	51.0	37.11	-13.870	46.00	8.89	88	PK	Horizontal	PASS



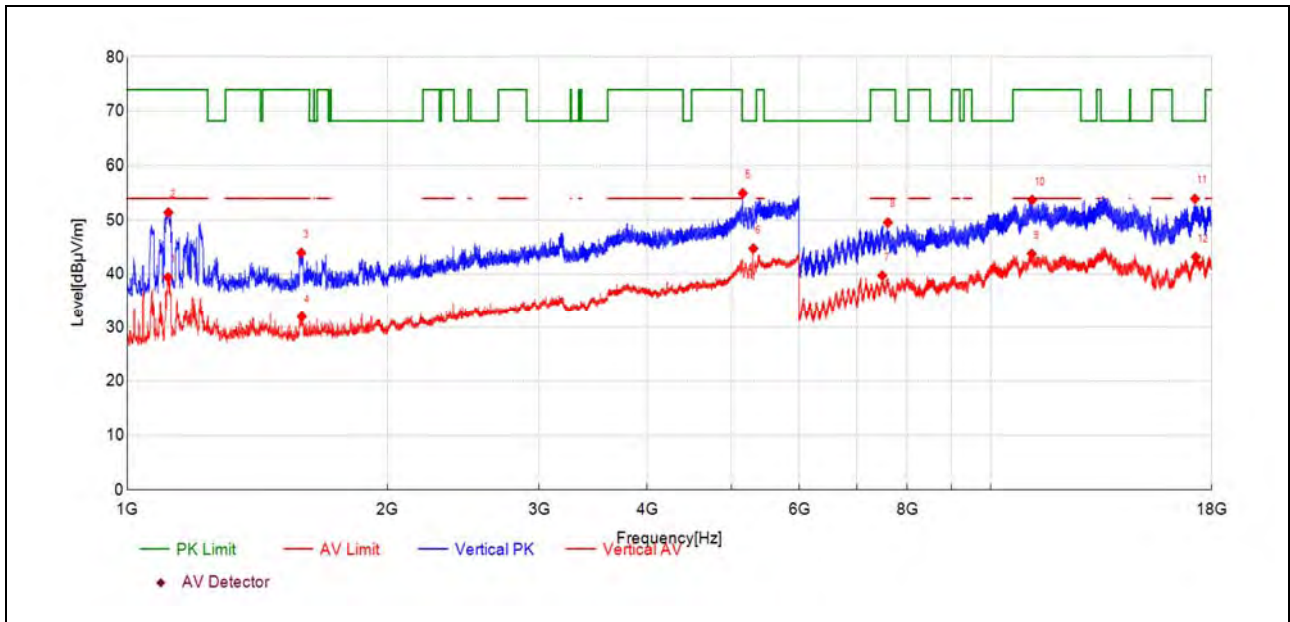
(Antenna Horizontal, 1GHz to 18GHz)

Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Polarity	Verdict
1108.65	57.0	54.94	-2.100	74.00	19.06	152	PK	Horizontal	PASS
1120.01	45.2	43.20	-2.020	54.00	10.80	161	AV	Horizontal	PASS
1683.24	44.7	44.91	0.180	74.00	29.09	209	PK	Horizontal	PASS
1690.97	32.0	32.27	0.240	54.00	21.73	209	AV	Horizontal	PASS
5306.30	28.0	44.90	16.880	-	-	264	AV	Horizontal	NA
5404.95	36.5	54.63	18.120	74.00	19.37	264	PK	Horizontal	PASS
7385.82	44.0	48.97	4.980	74.00	25.03	315	PK	Horizontal	PASS
7387.26	34.1	39.09	4.980	54.00	14.91	5	AV	Horizontal	PASS
10600.50	31.4	43.50	12.100	54.00	10.50	77	AV	Horizontal	PASS
10630.75	41.3	53.50	12.230	74.00	20.50	101	PK	Horizontal	PASS
17285.25	39.1	54.25	15.200	68.23	13.98	101	PK	Horizontal	PASS
17338.53	28.0	43.38	15.380	-	-	237	AV	Horizontal	NA



(Antenna Vertical, 30MHz to 1GHz)

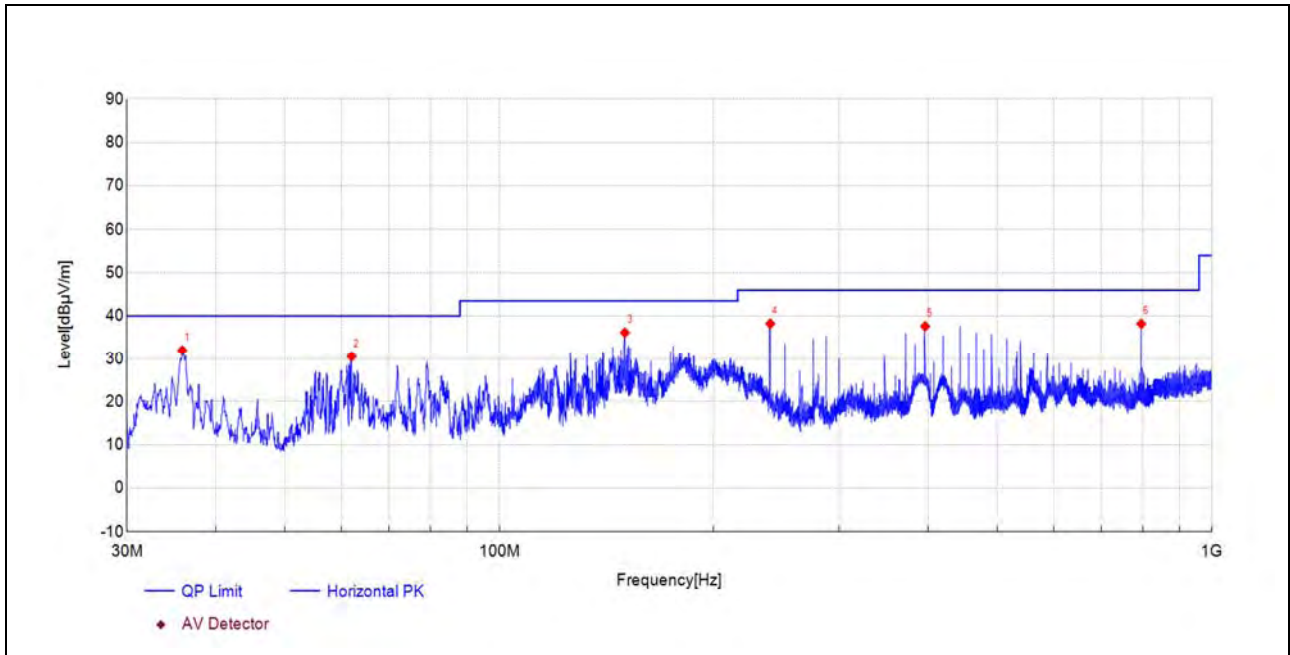
Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Polarity	Verdict
37.71	62.2	32.71	-29.470	40.00	7.29	330	PK	Vertical	PASS
83.98	63.9	31.91	-31.950	40.00	8.09	98	PK	Vertical	PASS
107.99	60.5	31.55	-28.950	43.50	11.95	274	PK	Vertical	PASS
228.04	64.0	35.57	-28.400	46.00	10.43	119	PK	Vertical	PASS
444.02	58.8	37.03	-21.770	46.00	8.97	3	PK	Vertical	PASS
841.11	50.4	36.48	-13.940	46.00	9.52	71	PK	Vertical	PASS



(Antenna Vertical, 1GHz to 18GHz)

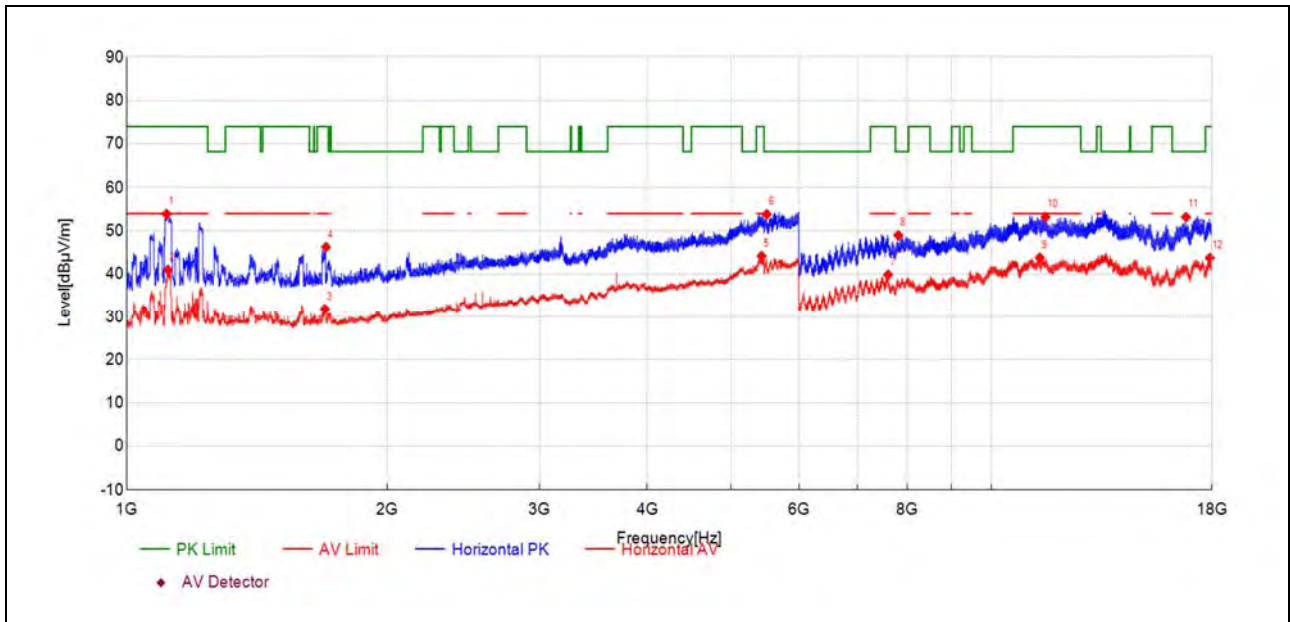
Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Polarity	Verdict
1115.47	41.5	39.40	-2.050	54.00	14.60	143	AV	Vertical	PASS
1116.83	53.5	51.41	-2.050	74.00	22.59	152	PK	Vertical	PASS
1590.96	44.4	43.95	-0.460	74.00	30.05	176	PK	Vertical	PASS
1593.69	32.4	32.01	-0.430	54.00	21.99	17	AV	Vertical	PASS
5159.47	38.1	54.96	16.870	68.23	13.27	17	PK	Vertical	PASS
5306.76	27.8	44.71	16.890	-	-	215	AV	Vertical	NA
7482.78	34.3	39.71	5.400	54.00	14.29	98	AV	Vertical	PASS
7595.10	44.0	49.56	5.550	74.00	24.44	333	PK	Vertical	PASS
11143.41	30.2	43.76	13.530	54.00	10.24	144	AV	Vertical	PASS
11158.29	40.2	53.73	13.510	74.00	20.27	319	PK	Vertical	PASS
17217.09	38.1	53.94	15.870	68.23	14.29	5	PK	Vertical	PASS
17256.45	27.7	43.18	15.480	-	-	77	AV	Vertical	NA

Plot for Channel 120



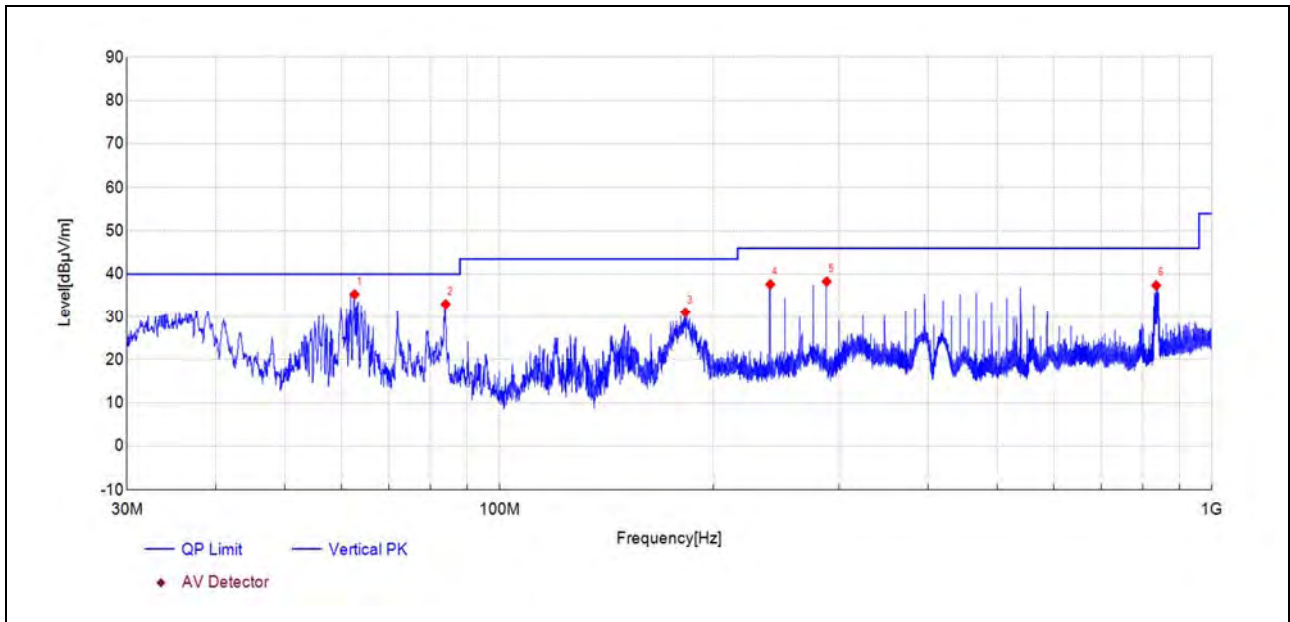
(Antenna Horizontal, 30MHz to 1GHz)

Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Polarity	Verdict
35.87	61.6	31.97	-29.650	40.00	8.03	351	PK	Horizontal	PASS
62.01	59.0	30.48	-28.540	40.00	9.52	1	PK	Horizontal	PASS
150.00	67.6	36.14	-31.460	43.50	7.36	87	PK	Horizontal	PASS
240.02	66.1	38.21	-27.870	46.00	7.79	58	PK	Horizontal	PASS
396.05	60.5	37.61	-22.890	46.00	8.39	324	PK	Horizontal	PASS
796.53	52.5	38.18	-14.280	46.00	7.82	136	PK	Horizontal	PASS



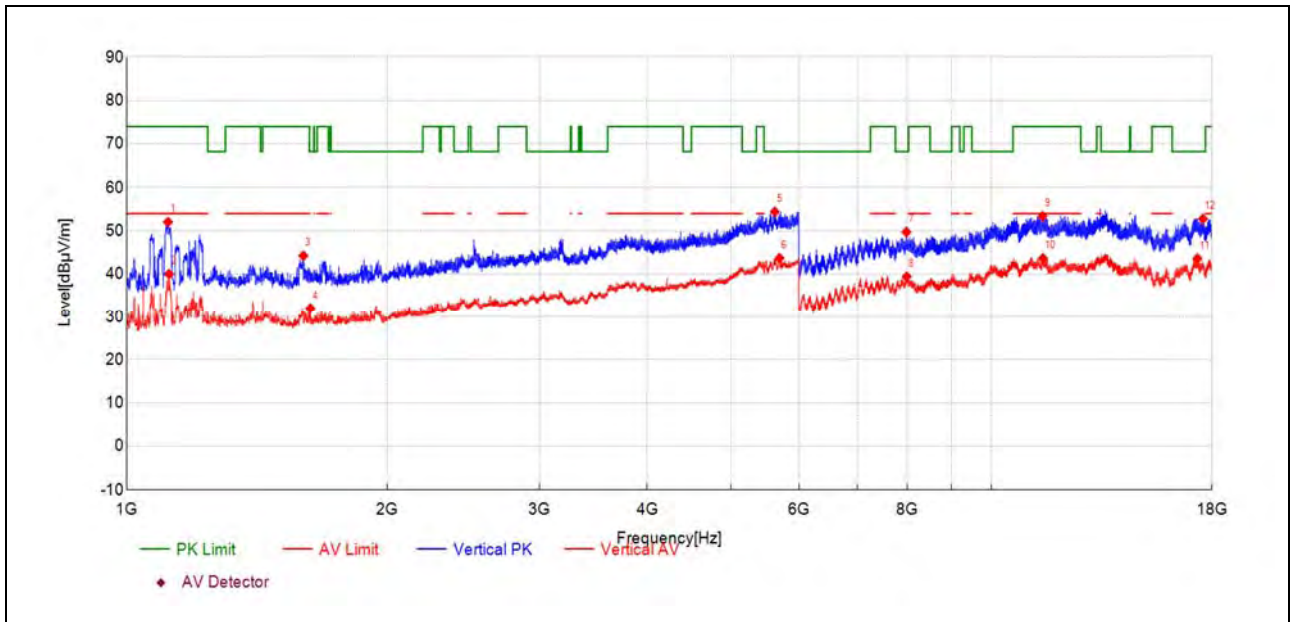
(Antenna Horizontal, 1GHz to 18GHz)

Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Polarity	Verdict
1110.92	56.1	53.91	-2.180	74.00	20.09	159	PK	Horizontal	PASS
1115.01	43.1	40.97	-2.140	54.00	13.03	159	AV	Horizontal	PASS
1694.61	31.6	31.84	0.280	54.00	22.16	217	AV	Horizontal	PASS
1699.61	46.0	46.27	0.310	74.00	27.73	217	PK	Horizontal	PASS
5424.95	26.7	44.17	17.470	54.00	9.83	272	AV	Horizontal	PASS
5499.50	36.5	53.84	17.310	68.23	14.39	263	PK	Horizontal	PASS
7599.42	34.3	39.85	5.600	54.00	14.15	262	AV	Horizontal	PASS
7809.19	43.2	48.97	5.780	68.23	19.26	134	PK	Horizontal	PASS
11382.94	29.8	43.81	13.990	54.00	10.19	291	AV	Horizontal	PASS
11557.18	38.9	53.20	14.270	74.00	20.80	118	PK	Horizontal	PASS
16811.47	37.2	53.20	16.020	68.23	15.03	18	PK	Horizontal	PASS
17915.04	28.6	43.74	15.150	54.00	10.26	46	AV	Horizontal	PASS



(Antenna Vertical, 30MHz to 1GHz)

Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Polarity	Verdict
62.59	64.1	35.30	-28.820	40.00	4.70	156	PK	Vertical	PASS
84.03	65.0	32.99	-31.970	40.00	7.01	343	PK	Vertical	PASS
182.39	61.4	31.03	-30.340	43.50	12.47	65	PK	Vertical	PASS
240.02	65.5	37.61	-27.870	46.00	8.39	94	PK	Vertical	PASS
288.03	64.7	38.28	-26.370	46.00	7.72	355	PK	Vertical	PASS
835.72	51.2	37.37	-13.790	46.00	8.63	101	PK	Vertical	PASS

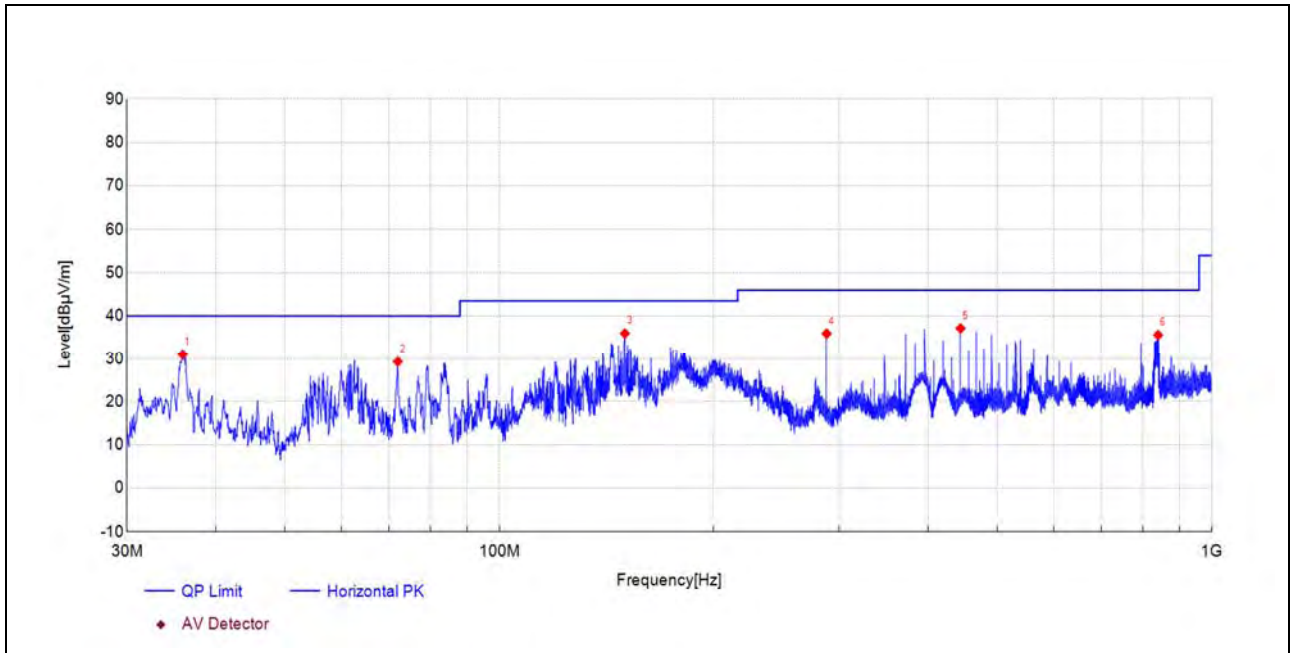


(Antenna Vertical, 1GHz to 18GHz)

Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Polarity	Verdict
1115.47	54.2	52.04	-2.140	74.00	21.96	157	PK	Vertical	PASS
1118.65	42.1	40.00	-2.110	54.00	14.00	148	AV	Vertical	PASS
1600.05	44.6	44.26	-0.380	74.00	29.74	138	PK	Vertical	PASS
1630.06	32.2	32.00	-0.180	-	-	138	AV	Vertical	NA
5618.60	36.3	54.42	18.130	68.23	13.81	82	PK	Vertical	PASS
5689.97	25.2	43.70	18.470	-	-	64	AV	Vertical	NA
7979.12	44.1	49.74	5.620	68.23	18.49	360	PK	Vertical	PASS
7985.36	33.7	39.43	5.720	-	-	60	AV	Vertical	NA
11471.26	39.2	53.40	14.240	74.00	20.60	5	PK	Vertical	PASS
11480.86	29.4	43.65	14.250	54.00	10.35	287	AV	Vertical	PASS
17332.77	28.3	43.60	15.330	-	-	188	AV	Vertical	NA
17588.14	35.4	52.79	17.420	68.23	15.44	344	PK	Vertical	PASS

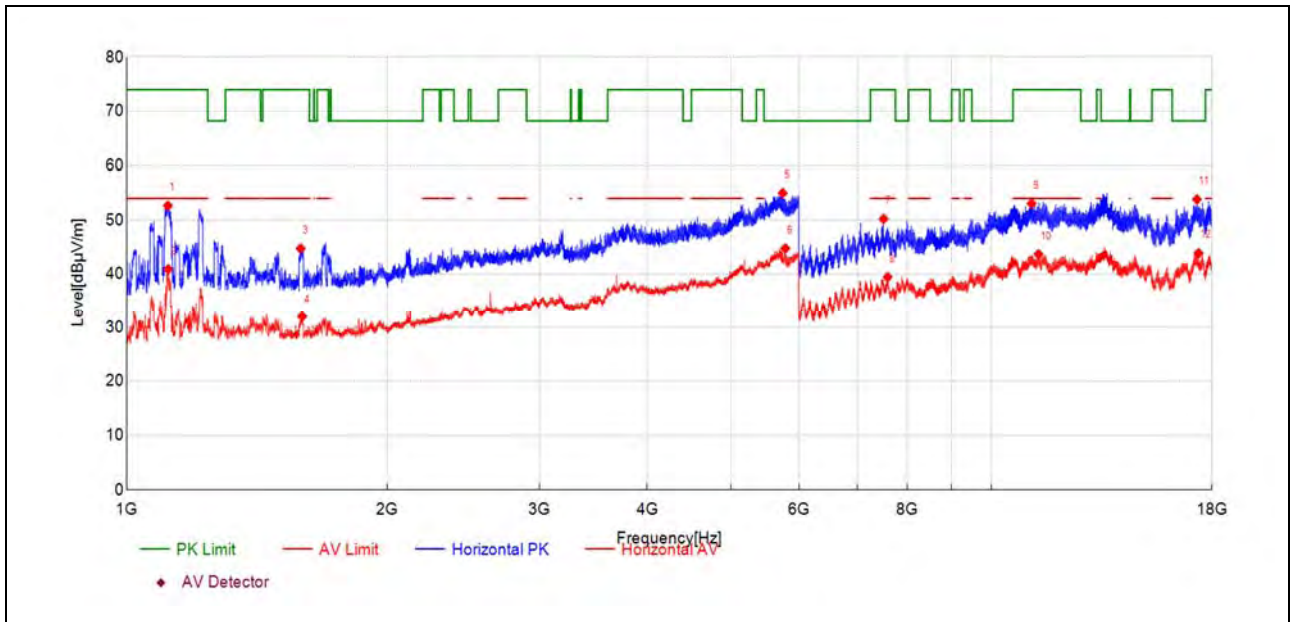


Plot for Channel 157



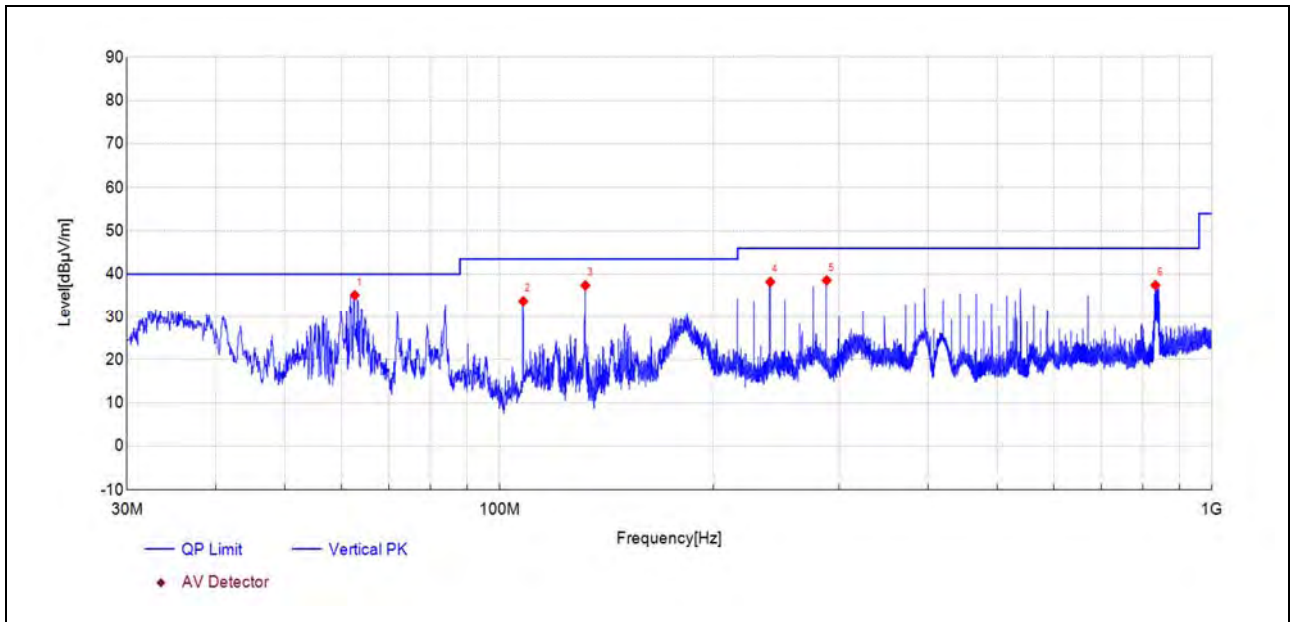
(Antenna Horizontal, 30MHz to 1GHz)

Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Polarity	Verdict
35.92	60.6	30.97	-29.630	40.00	9.03	82	PK	Horizontal	PASS
72.00	60.7	29.27	-31.380	40.00	10.73	27	PK	Horizontal	PASS
150.00	67.4	35.94	-31.460	43.50	7.56	96	PK	Horizontal	PASS
288.03	62.3	35.90	-26.370	46.00	10.10	330	PK	Horizontal	PASS
444.02	58.9	37.13	-21.770	46.00	8.87	344	PK	Horizontal	PASS
840.96	49.5	35.58	-13.960	46.00	10.42	137	PK	Horizontal	PASS



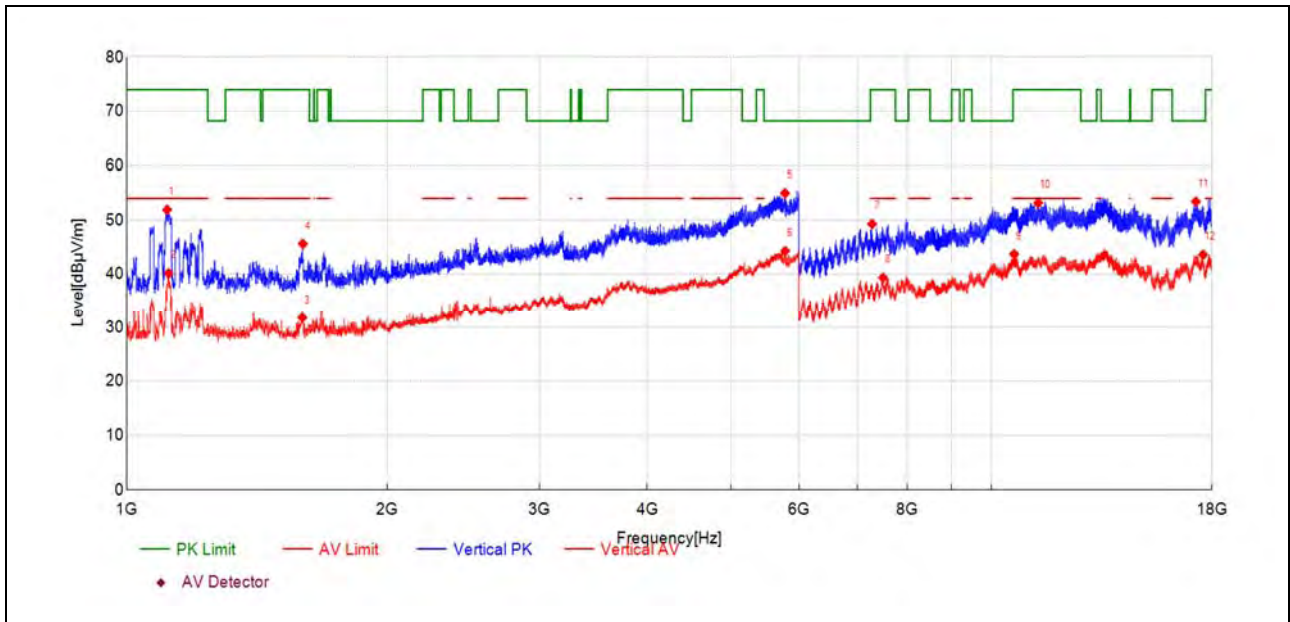
(Antenna Horizontal, 1GHz to 18GHz)

Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Polarity	Verdict
1115.01	54.7	52.66	-2.030	74.00	21.34	353	PK	Horizontal	PASS
1115.92	42.9	40.91	-2.030	54.00	13.09	164	AV	Horizontal	PASS
1588.24	45.0	44.74	-0.260	74.00	29.26	343	PK	Horizontal	PASS
1594.60	32.2	32.01	-0.190	54.00	21.99	40	AV	Horizontal	PASS
5738.16	35.6	54.99	19.400	68.23	13.24	40	PK	Horizontal	PASS
5779.07	25.6	44.73	19.090	-	-	267	AV	Horizontal	NA
7508.22	44.7	50.22	5.500	74.00	23.78	242	PK	Horizontal	PASS
7589.34	34.0	39.45	5.500	54.00	14.55	329	AV	Horizontal	PASS
11140.05	39.6	53.08	13.520	74.00	20.92	355	PK	Horizontal	PASS
11346.93	30.1	43.68	13.630	54.00	10.32	313	AV	Horizontal	PASS
17309.73	38.7	53.83	15.130	68.23	14.40	57	PK	Horizontal	PASS
17382.22	28.1	43.87	15.750	-	-	57	AV	Horizontal	NA



(Antenna Vertical, 30MHz to 1GHz)

Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Polarity	Verdict
62.64	64.0	35.11	-28.840	40.00	4.89	147	PK	Vertical	PASS
107.99	62.7	33.73	-28.950	43.50	9.77	202	PK	Vertical	PASS
132.00	69.6	37.37	-32.260	43.50	6.13	72	PK	Vertical	PASS
240.02	66.1	38.19	-27.870	46.00	7.81	99	PK	Vertical	PASS
288.03	64.9	38.57	-26.370	46.00	7.43	357	PK	Vertical	PASS
833.73	51.4	37.43	-13.940	46.00	8.57	112	PK	Vertical	PASS



(Antenna Vertical, 1GHz to 18GHz)

Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Angle [°]	Detector	Polarity	Verdict
1112.74	53.9	51.89	-2.050	74.00	22.11	144	PK	Vertical	PASS
1117.28	42.2	40.15	-2.020	54.00	13.85	153	AV	Vertical	PASS
1595.51	32.0	31.80	-0.180	54.00	22.20	144	AV	Vertical	PASS
1597.78	45.8	45.60	-0.150	74.00	28.40	153	PK	Vertical	PASS
5773.16	35.8	54.97	19.150	68.23	13.26	89	PK	Vertical	PASS
5777.25	25.2	44.27	19.110	-	-	79	AV	Vertical	NA
7282.61	44.8	49.29	4.500	74.00	24.71	112	PK	Vertical	PASS
7496.70	33.8	39.33	5.530	54.00	14.67	199	AV	Vertical	PASS
10634.11	31.5	43.70	12.240	54.00	10.30	242	AV	Vertical	PASS
11337.81	39.6	53.17	13.550	74.00	20.83	42	PK	Vertical	PASS
17259.81	38.0	53.42	15.450	68.23	14.81	157	PK	Vertical	PASS
17588.14	26.2	43.58	17.420	-	-	0	AV	Vertical	NA

END OF REPORT