



PSD NVNT ax40 242@61 5510MHz Ant1 MIMO



PSD NVNT ax40 242@61 5510MHz Ant2 MIMO





PSD NVNT ax40 242@61 5550MHz Ant1 MIMO

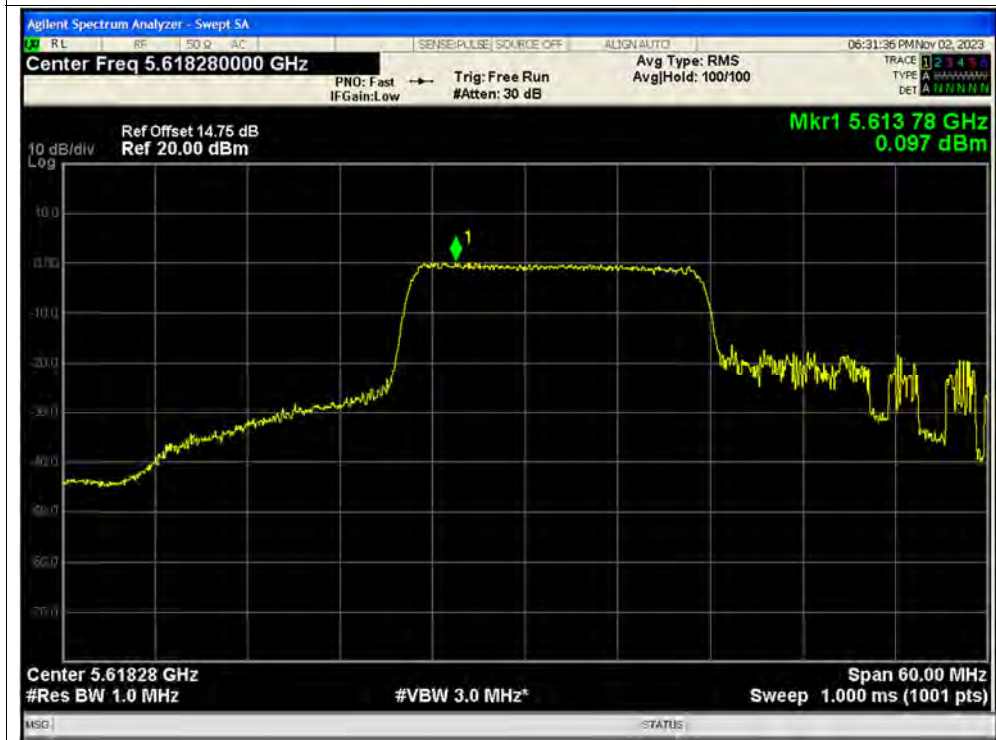


PSD NVNT ax40 242@61 5550MHz Ant2 MIMO





PSD NVNT ax40 242@61 5630MHz Ant1 MIMO



PSD NVNT ax40 242@61 5630MHz Ant2 MIMO





PSD NVNT ax40 242@61 5710MHz Ant1 MIMO



PSD NVNT ax40 242@61 5710MHz Ant2 MIMO







PSD NVNT ax40 242@61 5755MHz Ant1 MIMO



PSD NVNT ax40 242@61 5755MHz Ant2 MIMO





PSD NVNT ax40 242@61 5795MHz Ant1 MIMO



PSD NVNT ax40 242@61 5795MHz Ant2 MIMO





PSD NVNT ax80 484@65 5210MHz Ant1 SISO



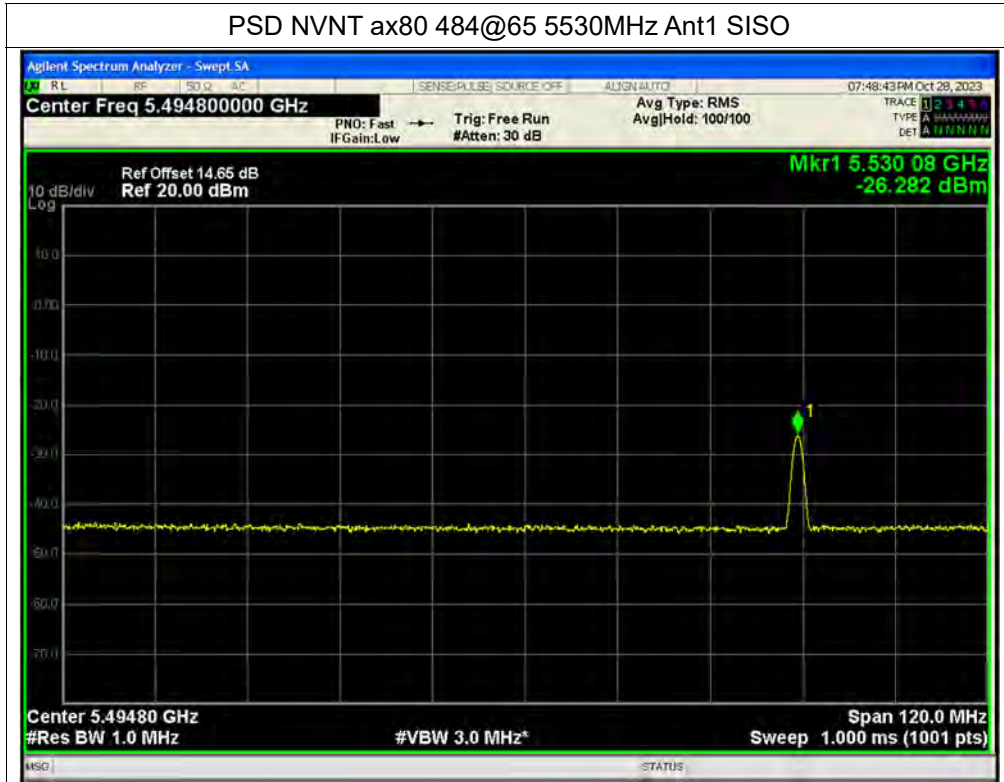
PSD NVNT ax80 484@65 5290MHz Ant1 SISO







PSD NVNT ax80 484@65 5530MHz Ant1 SISO



PSD NVNT ax80 484@65 5610MHz Ant1 SISO







PSD NVNT ax80 484@65 5690MHz Ant1 SISO



PSD NVNT ax80 484@65 5775MHz Ant1 SISO





PSD NVNT ax80 484@65 5210MHz Ant2 SISO



PSD NVNT ax80 484@65 5290MHz Ant2 SISO





PSD NVNT ax80 484@65 5530MHz Ant2 SISO



PSD NVNT ax80 484@65 5610MHz Ant2 SISO







PSD NVNT ax80 484@65 5690MHz Ant2 SISO



PSD NVNT ax80 484@65 5775MHz Ant2 SISO







PSD NVNT ax80 484@65 5210MHz Ant1 MIMO



PSD NVNT ax80 484@65 5210MHz Ant2 MIMO





PSD NVNT ax80 484@65 5290MHz Ant1 MIMO



PSD NVNT ax80 484@65 5290MHz Ant2 MIMO



PSD NVNT ax80 484@65 5530MHz Ant1 MIMO



PSD NVNT ax80 484@65 5530MHz Ant2 MIMO





PSD NVNT ax80 484@65 5610MHz Ant1 MIMO



PSD NVNT ax80 484@65 5610MHz Ant2 MIMO







PSD NVNT ax80 484@65 5690MHz Ant1 MIMO



PSD NVNT ax80 484@65 5690MHz Ant2 MIMO





PSD NVNT ax80 484@65 5775MHz Ant1 MIMO



PSD NVNT ax80 484@65 5775MHz Ant2 MIMO





PSD NVNT ax160 996@67 5250MHz Ant1 SISO



PSD NVNT ax160 996@67 5570MHz Ant1 SISO







PSD NVNT ax160 996@67 5250MHz Ant2 SISO



PSD NVNT ax160 996@67 5570MHz Ant2 SISO







PSD NVNT ax160 996@67 5250MHz Ant1 MIMO



PSD NVNT ax160 996@67 5250MHz Ant2 MIMO





PSD NVNT ax160 996@67 5570MHz Ant1 MIMO



PSD NVNT ax160 996@67 5570MHz Ant2 MIMO



**A.5. Frequency Stability**

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
20C 3.6V	a SISO	5180	Ant1	5180.001	1000	0.19	25	Pass
20C 3.8V	a SISO	5180	Ant1	5180.001	1000	0.19	25	Pass
20C 4.3V	a SISO	5180	Ant1	5180.001	1000	0.19	25	Pass
0C 3.8V	a SISO	5180	Ant1	5180.001	1000	0.19	25	Pass
10C 3.8V	a SISO	5180	Ant1	5180.001	1000	0.19	25	Pass
30C 3.8V	a SISO	5180	Ant1	5180.001	1000	0.19	25	Pass
45C 3.8V	a SISO	5180	Ant1	5180.001	1000	0.19	25	Pass
20C 3.6V	a SISO	5260	Ant1	5260.001	1000	0.19	25	Pass
20C 3.8V	a SISO	5260	Ant1	5260	0	0	25	Pass
20C 4.3V	a SISO	5260	Ant1	5260.001	1000	0.19	25	Pass
0C 3.8V	a SISO	5260	Ant1	5260.001	1000	0.19	25	Pass
10C 3.8V	a SISO	5260	Ant1	5260	0	0	25	Pass
30C 3.8V	a SISO	5260	Ant1	5260	0	0	25	Pass
45C 3.8V	a SISO	5260	Ant1	5260	0	0	25	Pass
20C 3.6V	a SISO	5500	Ant1	5499.999	-1000	-0.18	25	Pass
20C 3.8V	a SISO	5500	Ant1	5499.998	-2000	-0.36	25	Pass
20C 4.3V	a SISO	5500	Ant1	5499.999	-1000	-0.18	25	Pass
0C 3.8V	a SISO	5500	Ant1	5499.998	-2000	-0.36	25	Pass
10C 3.8V	a SISO	5500	Ant1	5499.998	-2000	-0.36	25	Pass
30C 3.8V	a SISO	5500	Ant1	5499.998	-2000	-0.36	25	Pass
45C 3.8V	a SISO	5500	Ant1	5499.998	-2000	-0.36	25	Pass
20C 3.6V	a SISO	5745	Ant1	5744.998	-2000	-0.35	25	Pass
20C 3.8V	a SISO	5745	Ant1	5744.998	-2000	-0.35	25	Pass
20C 4.3V	a SISO	5745	Ant1	5744.998	-2000	-0.35	25	Pass
0C 3.8V	a SISO	5745	Ant1	5744.998	-2000	-0.35	25	Pass
10C 3.8V	a SISO	5745	Ant1	5744.998	-2000	-0.35	25	Pass
30C 3.8V	a SISO	5745	Ant1	5744.998	-2000	-0.35	25	Pass
45C 3.8V	a SISO	5745	Ant1	5744.998	-2000	-0.35	25	Pass





**A.6. Dynamic Frequency Selection**

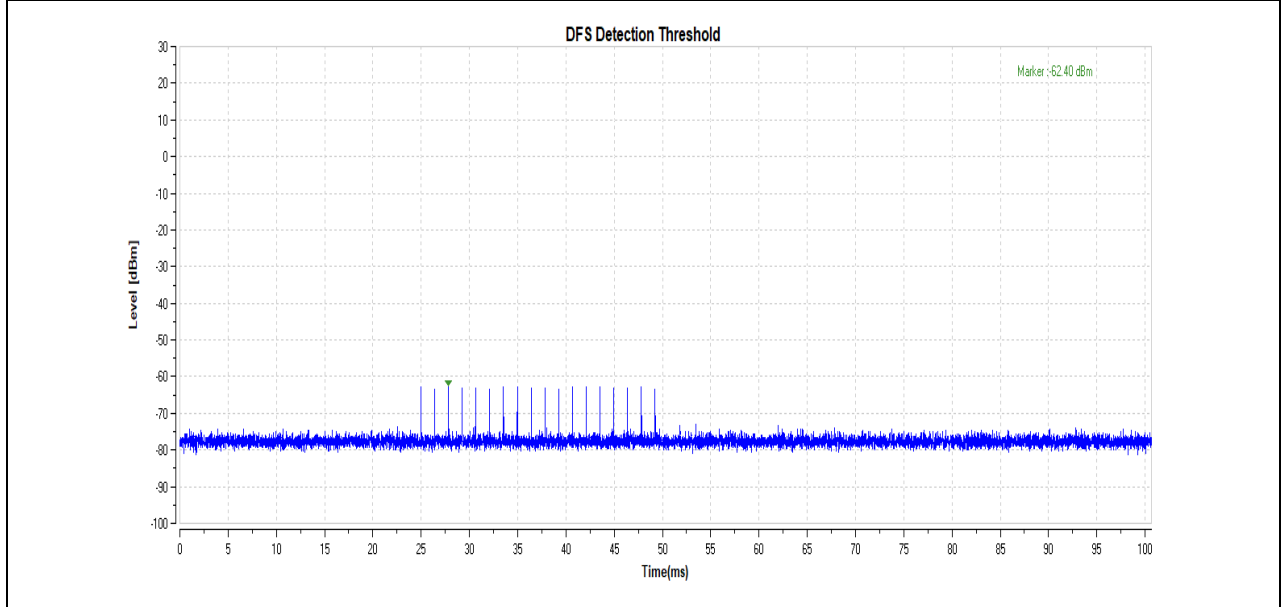
**a. Detection Threshold**

TestMode	Frequency[dbm]	Radar Type	Result	Limit[dbm]	Verdict
11A	5260	Type0	-62.26	-62.00	PASS
		Type1	-62.39	-62.00	PASS
		Type2	-62.12	-62.00	PASS
		Type3	-62.12	-62.00	PASS
		Type4	-62.15	-62.00	PASS
		Type5	-62.10	-62.00	PASS
		Type6	-62.44	-62.00	PASS
	5500	Type0	-62.02	-62.00	PASS
		Type1	-62.26	-62.00	PASS
		Type2	-62.36	-62.00	PASS
		Type3	-62.39	-62.00	PASS
		Type4	-62.12	-62.00	PASS
		Type5	-62.46	-62.00	PASS
		Type6	-62.37	-62.00	PASS
11AC80SISO	5290	Type0	-62.03	-62.00	PASS
		Type1	-62.50	-62.00	PASS
		Type2	-62.26	-62.00	PASS
		Type3	-62.21	-62.00	PASS
		Type4	-62.21	-62.00	PASS
		Type5	-62.40	-62.00	PASS
		Type6	-62.39	-62.00	PASS
	5530	Type0	-62.37	-62.00	PASS
		Type1	-62.12	-62.00	PASS
		Type2	-62.24	-62.00	PASS
		Type3	-62.03	-62.00	PASS
		Type4	-62.01	-62.00	PASS
		Type5	-62.42	-62.00	PASS
		Type6	-62.43	-62.00	PASS
11AC160SISO	5570	Type0	-62.40	-62.00	PASS
		Type1	-62.01	-62.00	PASS
		Type2	-62.21	-62.00	PASS
		Type3	-62.26	-62.00	PASS

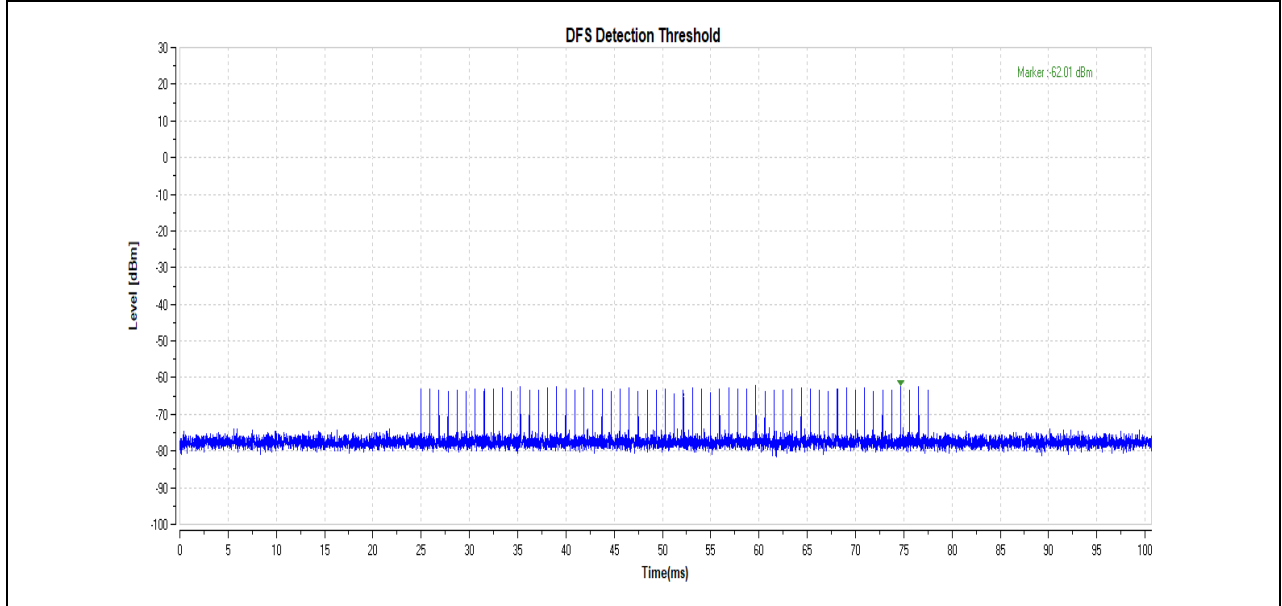


	Type4	-62.45	-62.00	PASS
	Type5	-62.40	-62.00	PASS
	Type6	-62.07	-62.00	PASS

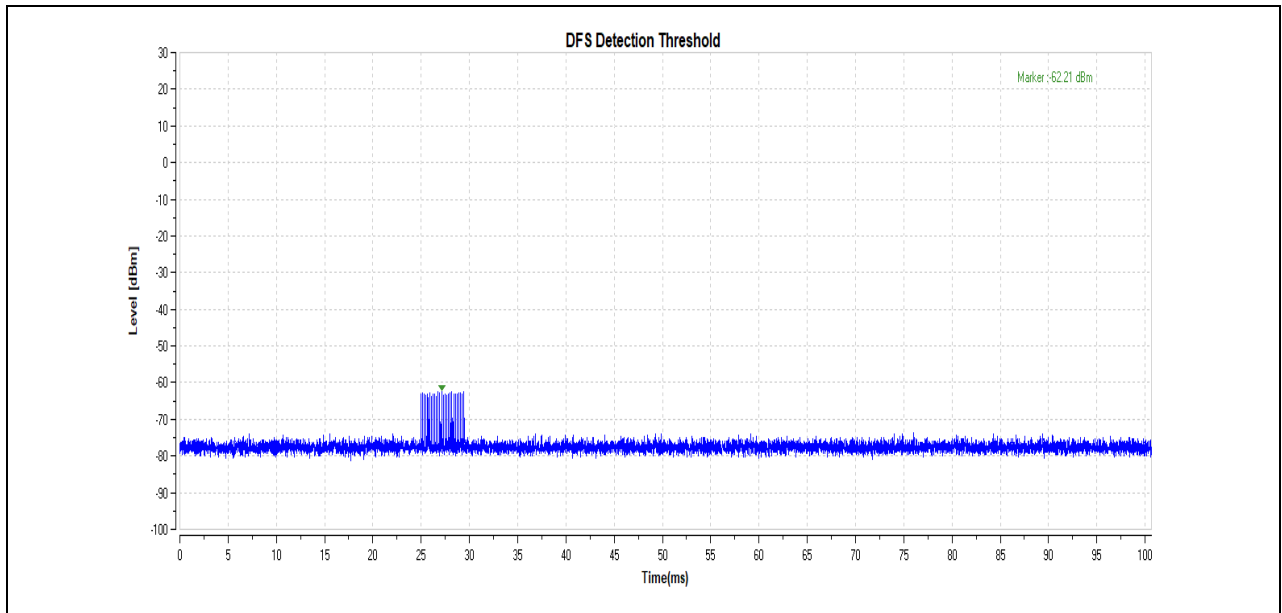
11AC160SISO\_5570\_Type0



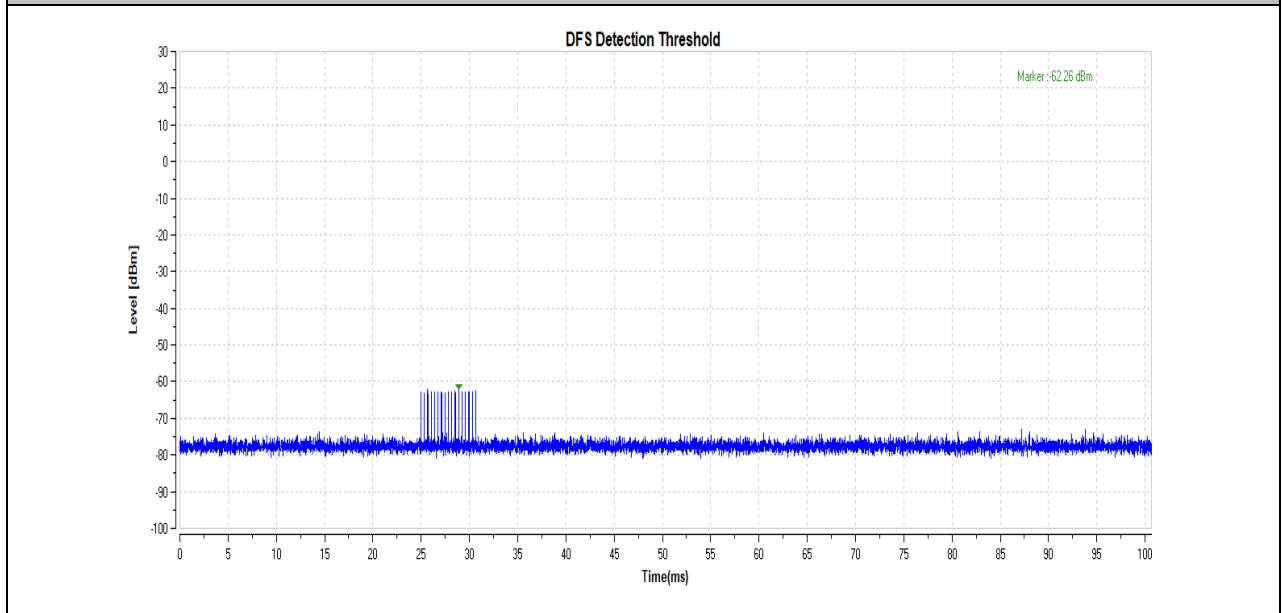
11AC160SISO\_5570\_Type1



11AC160SISO\_5570\_Type2

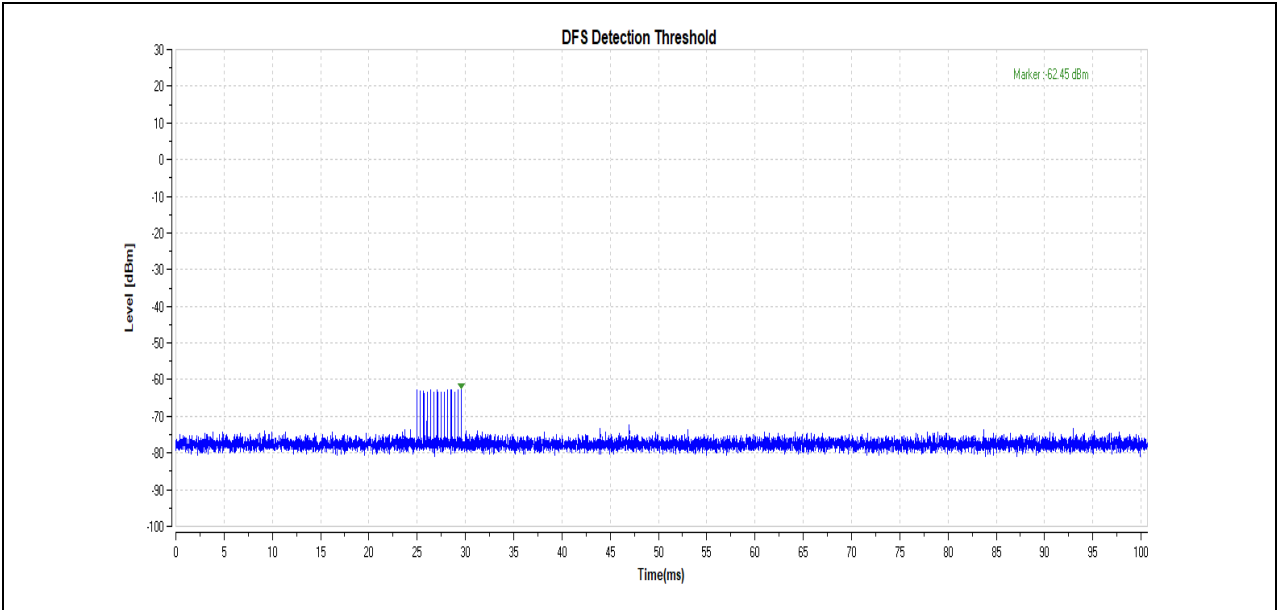


11AC160SISO\_5570\_Type3

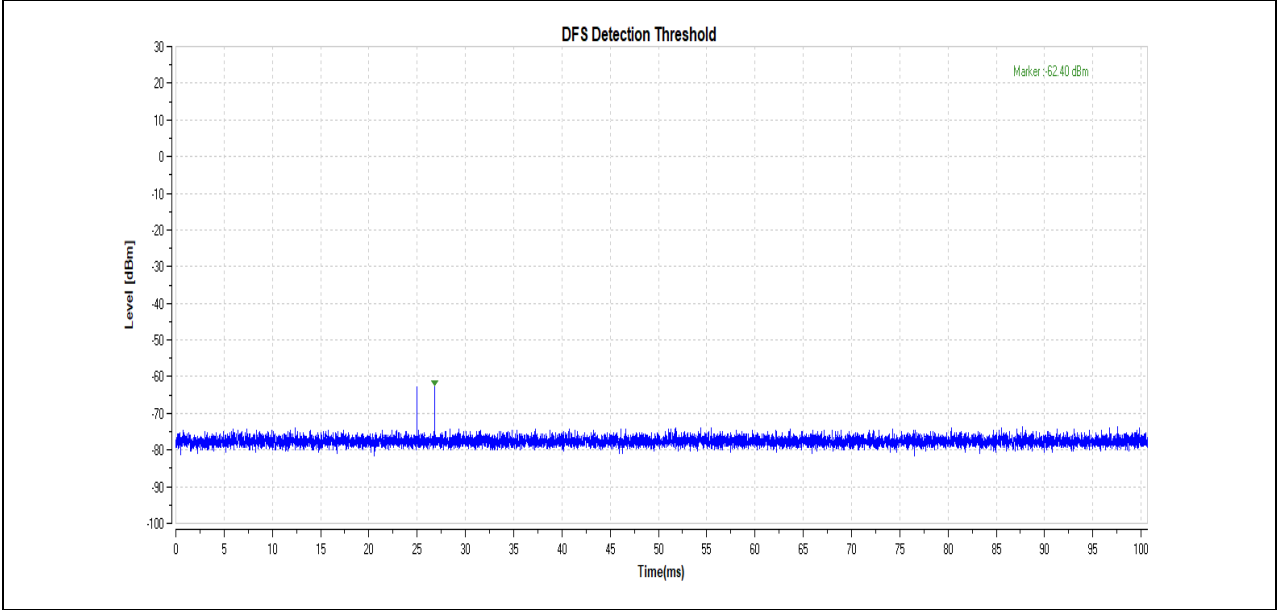


11AC160SISO\_5570\_Type4

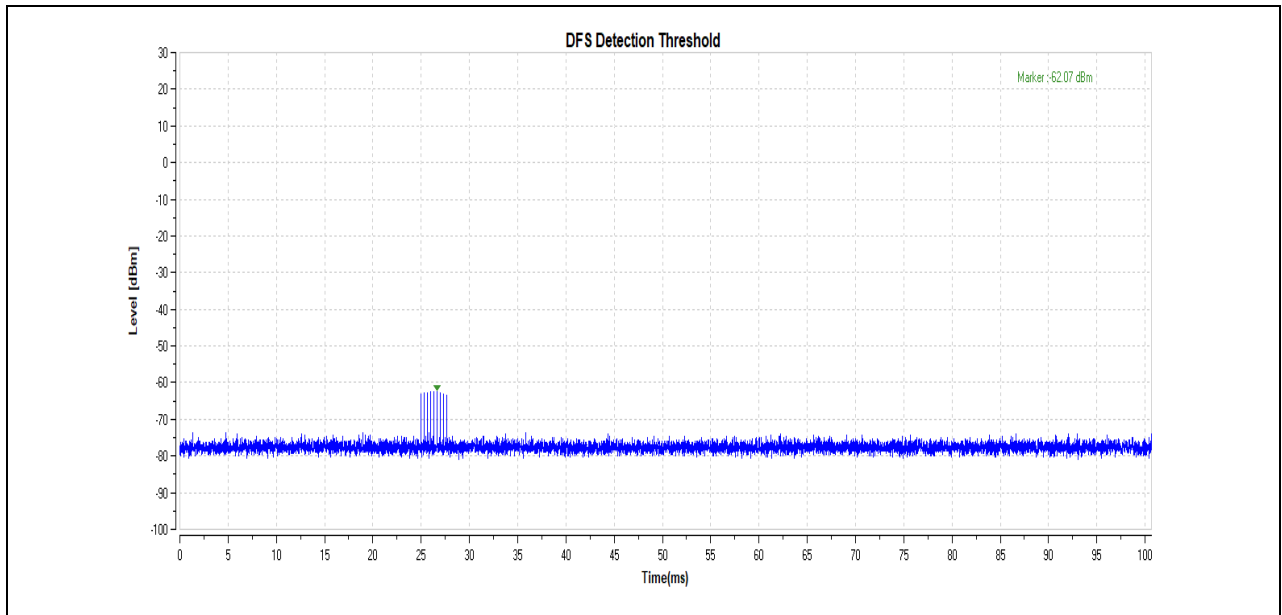




11AC160SISO\_5570\_Type5

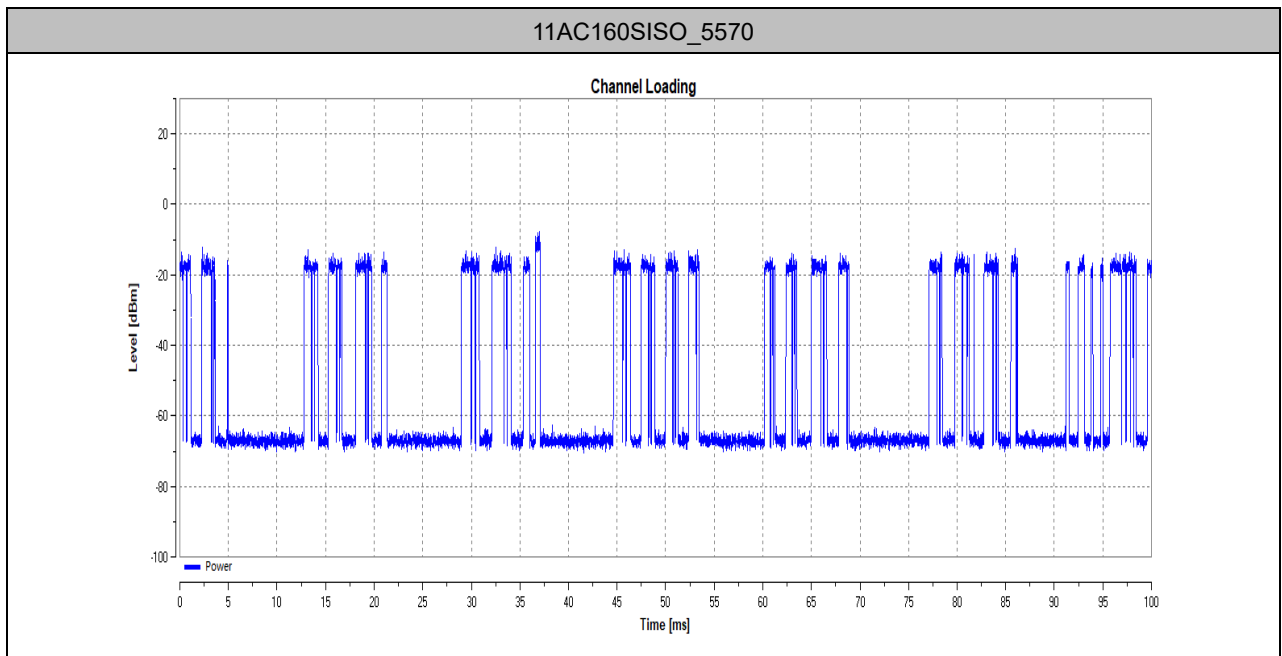


11AC160SISO\_5570\_Type6



**b. Channel Loading**

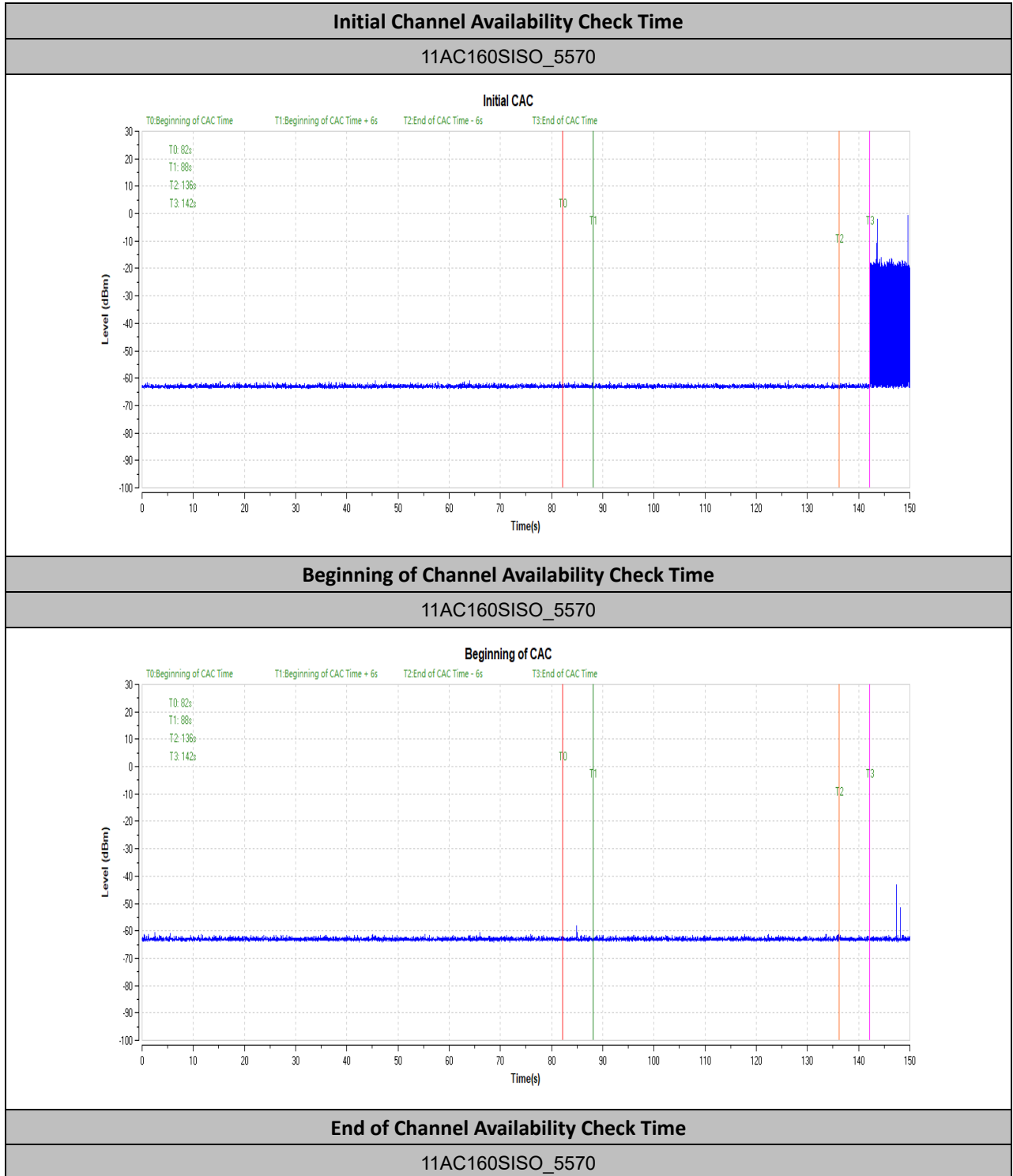
TestMode	Frequency[MHz]	Result	Limit [%]	Verdict
11AC160SISO	5570	30.53	17	PASS



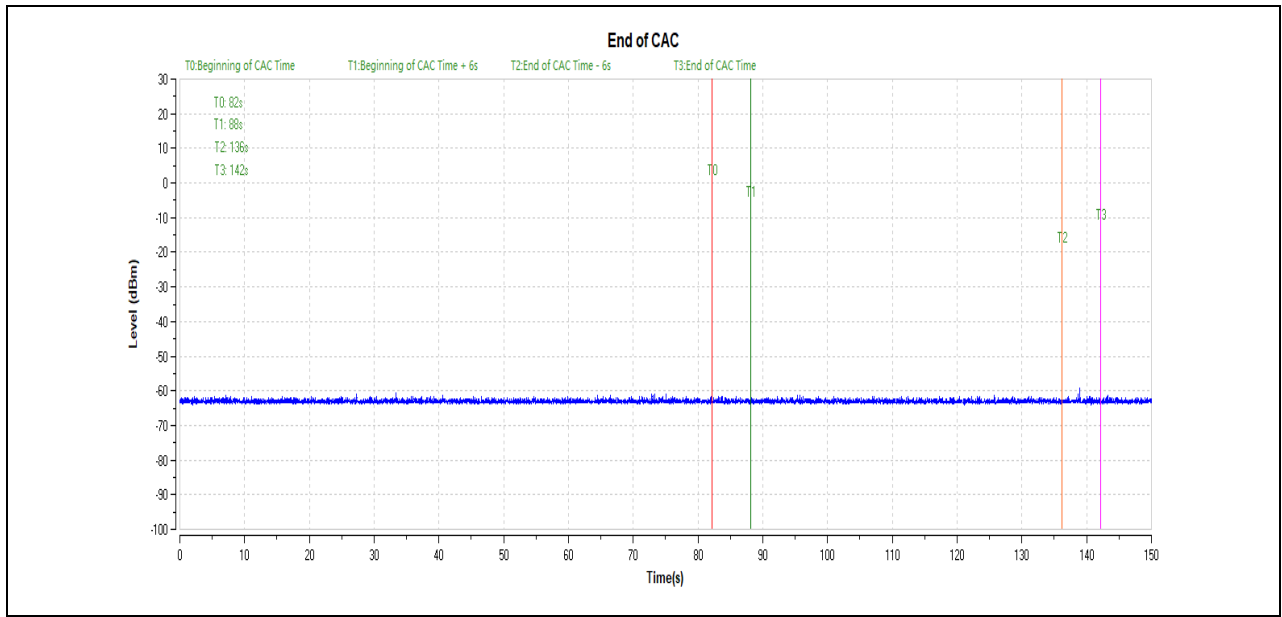


**c. Channel Availability Check Time**

TestMode	Frequency[MHz]	Result	Verdict
11AC160SISO	5570	See test Graph	PASS



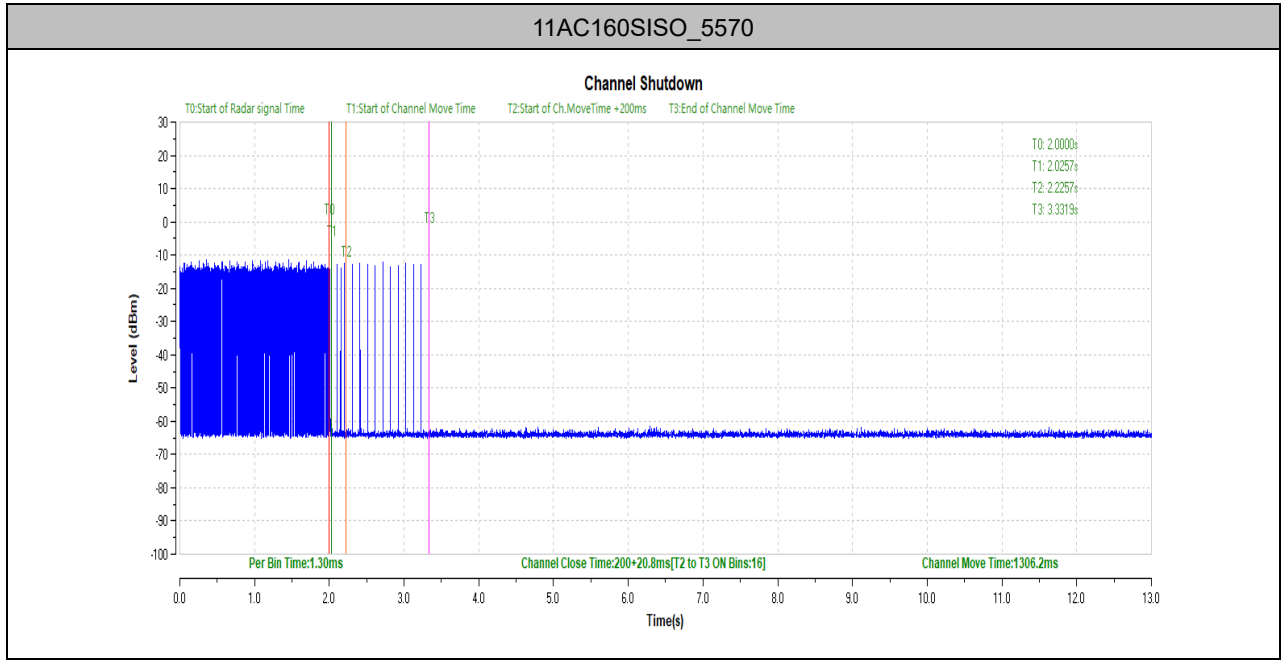






**d. Channel Move Time and Channel Closing Transmission Time**

TestMode	Frequency[MHz]	CCTT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11AC160SISO	5570	200+20.8	200+60	1306.2	10000	PASS

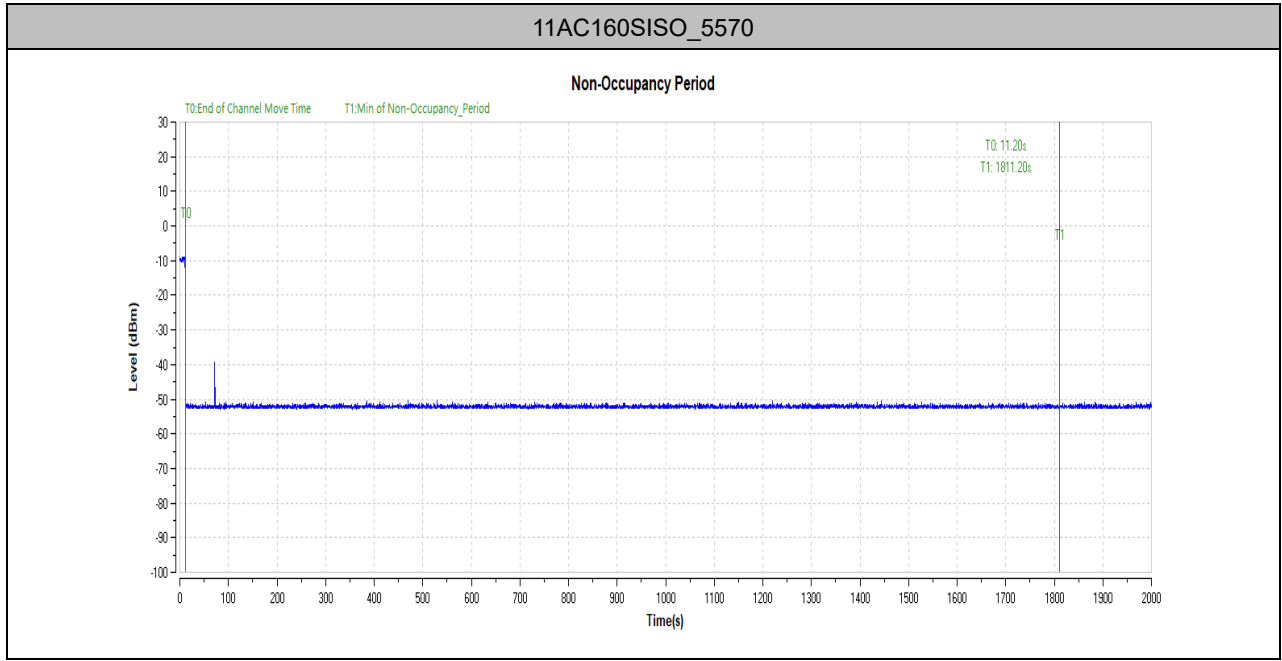


Note: The signal above the noise floor after the radar signal ends is the signal which leaked from other channels that have been moved following the Master device.



**e. Non-Occupied Period**

TestMode	Frequency[MHz]	Result	Limit[s]	Verdict
11AC160SISO	5570	see test graph	≥1800	PASS







**f. U-NII Detection Bandwidth**

TestMode	Frequency[MHz]	FL[MHz]	FH[MHz]	Detection Bandwidth [MHz]	OCB [MHz]	Ratio [%]	Limit [%]	Verdict
11A	5260	5252	5268	22	20	110	≥100	PASS
	5500	5490	5510	20	20	100	≥100	PASS
11N40SISO	5270	5251	5289	41	40	102.5	≥100	PASS
	5510	5492	5528	40	40	100	≥100	PASS
11AC80SISO	5290	5251	5328	82	80	102.5	≥100	PASS
	5530	5492	5569	80	80	100	≥100	PASS
11AC160SISO	5570	5493	5648	162	160	101.25	≥100	PASS

Test Mode	Frequency [MHz]	Radar Freq.	Trial 1	Trial 2	Trial 3	Trial 4	Trial 5	Trial 6	Trial 7	Trial 8	Trial 9	Trial 10	Ratio (%)		
11A	5260	5248	1	0	1	1	1	0	1	1	1	1	80		
		5249	1	0	1	1	1	1	1	1	1	1	1	90	
		5250	1	1	1	0	1	1	1	1	1	1	1	90	
		5251	1	1	1	1	1	1	1	1	1	1	1	100	
		5252	1	1	1	1	1	1	1	1	1	1	1	100	
		5253	1	1	1	1	1	1	1	1	1	1	1	100	
		5254	1	1	1	1	1	1	1	1	1	1	1	100	
		5255	1	1	1	1	1	1	1	1	1	1	1	100	
		5260	1	1	1	1	1	1	1	1	1	1	1	100	
		5265	1	1	1	1	1	1	1	1	1	1	1	100	
		5266	1	1	1	1	1	1	1	1	1	1	1	100	
		5267	1	1	1	1	1	1	1	1	1	1	1	100	
		5268	1	1	1	1	1	1	1	1	1	1	1	100	
		5269	1	1	1	1	1	1	1	1	1	1	1	100	
		5270	1	1	0	1	1	1	1	1	1	1	1	1	90
		5271	1	1	1	1	0	1	1	1	1	1	1	1	90
	5272	1	1	0	1	0	1	1	1	1	0	1	1	70	
	5500	5489	1	1	1	1	0	1	1	0	1	1	1	80	
		5490	1	1	1	1	1	1	1	1	1	1	1	100	
		5491	1	1	1	1	1	1	1	1	1	1	1	100	
5492		1	1	1	1	1	1	1	1	1	1	1	100		
5493		1	1	1	1	1	1	1	1	1	1	1	100		
5494		1	1	1	1	1	1	1	1	1	1	1	100		
5495		1	1	1	1	1	1	1	1	1	1	1	100		



		5500	1	1	1	1	1	1	1	1	1	1	100
		5505	1	1	1	1	1	1	1	1	1	1	100
		5506	1	1	1	1	1	1	1	1	1	1	100
		5507	1	1	1	1	1	1	1	1	1	1	100
		5508	1	1	1	1	1	1	1	1	1	1	100
		5509	1	1	1	1	1	1	1	1	1	1	100
		5510	1	1	1	0	1	1	1	1	1	1	90
		5511	1	0	0	1	1	1	1	1	1	1	80
11N40SISO	5270	5248	1	0	1	1	0	1	1	1	1	1	80
		5249	1	1	0	1	1	1	1	1	1	1	90
		5250	1	1	1	1	1	1	1	1	0	1	90
		5251	1	1	1	1	1	1	1	1	1	1	100
		5252	1	1	1	1	1	1	1	1	1	1	100
		5253	1	1	1	1	1	1	1	1	1	1	100
		5254	1	1	1	1	1	1	1	1	1	1	100
		5255	1	1	1	1	1	1	1	1	1	1	100
		5260	1	1	1	1	1	1	1	1	1	1	100
		5265	1	1	1	1	1	1	1	1	1	1	100
		5270	1	1	1	1	1	1	1	1	1	1	100
		5275	1	1	1	1	1	1	1	1	1	1	100
		5280	1	1	1	1	1	1	1	1	1	1	100
		5285	1	1	1	1	1	1	1	1	1	1	100
		5286	1	1	1	1	1	1	1	1	1	1	100
		5287	1	1	1	1	1	1	1	1	1	1	100
		5288	1	1	1	1	1	1	1	1	1	1	100
		5289	1	1	1	0	1	1	1	1	1	1	90
	5290	1	1	0	1	1	1	1	1	1	1	90	
	5291	1	0	1	0	1	1	0	1	1	1	70	
	5510	5489	0	1	1	1	1	1	1	1	0	1	80
		5490	1	1	1	1	1	0	1	1	1	1	90
		5491	1	1	1	1	1	1	1	1	1	1	100
		5492	1	1	1	1	1	1	1	1	1	1	100
		5493	1	1	1	1	1	1	1	1	1	1	100
		5494	1	1	1	1	1	1	1	1	1	1	100
		5495	1	1	1	1	1	1	1	1	1	1	100
		5500	1	1	1	1	1	1	1	1	1	1	100
5505		1	1	1	1	1	1	1	1	1	1	100	
5510		1	1	1	1	1	1	1	1	1	1	100	



		5515	1	1	1	1	1	1	1	1	1	1	100
		5520	1	1	1	1	1	1	1	1	1	1	100
		5525	1	1	1	1	1	1	1	1	1	1	100
		5526	1	1	1	1	1	1	1	1	1	1	100
		5527	1	1	1	1	1	1	1	1	1	1	100
		5528	1	1	1	1	1	1	1	1	1	1	100
		5529	1	1	1	0	1	1	1	1	1	1	90
		5530	1	1	0	1	1	1	1	1	1	1	90
		5531	1	0	1	1	1	0	0	1	1	0	70
11AC80SISO	5290	5247	1	0	1	0	1	1	1	1	0	1	70
		5249	1	1	1	1	1	1	1	1	1	0	90
		5250	1	1	1	1	1	1	1	1	1	1	100
		5255	1	1	1	1	1	1	1	1	1	1	100
		5260	1	1	1	1	1	1	1	1	1	1	100
		5265	1	1	1	1	1	1	1	1	1	1	100
		5270	1	1	1	1	1	1	1	1	1	1	100
		5275	1	1	1	1	1	1	1	1	1	1	100
		5280	1	1	1	1	1	1	1	1	1	1	100
		5285	1	1	1	1	1	1	1	1	1	1	100
		5290	1	1	1	1	1	1	1	1	1	1	100
		5295	1	1	1	1	1	1	1	1	1	1	100
		5300	1	1	1	1	1	1	1	1	1	1	100
		5305	1	1	1	1	1	1	1	1	1	1	100
		5310	1	1	1	1	1	1	1	1	1	1	100
		5315	1	1	1	1	1	1	1	1	1	1	100
		5320	1	1	1	1	1	1	1	1	1	1	100
		5325	1	1	1	1	1	1	1	1	1	1	100
		5330	1	1	1	1	1	1	1	1	1	1	100
	5331	1	1	1	1	1	1	1	1	1	1	100	
	5332	1	0	1	1	0	1	1	1	1	1	80	
	5530	5491	1	0	1	0	1	1	1	1	1	1	80
		5490	1	1	1	1	1	1	0	1	1	1	90
		5495	1	1	1	1	1	1	1	1	1	1	100
		5500	1	1	1	1	1	1	1	1	1	1	100
		5505	1	1	1	1	1	1	1	1	1	1	100
		5510	1	1	1	1	1	1	1	1	1	1	100
5515		1	1	1	1	1	1	1	1	1	1	100	
5520	1	1	1	1	1	1	1	1	1	1	100		



		5525	1	1	1	1	1	1	1	1	1	1	100	
		5530	1	1	1	1	1	1	1	1	1	1	100	
		5535	1	1	1	1	1	1	1	1	1	1	100	
		5540	1	1	1	1	1	1	1	1	1	1	100	
		5545	1	1	1	1	1	1	1	1	1	1	100	
		5550	1	1	1	1	1	1	1	1	1	1	100	
		5555	1	1	1	1	1	1	1	1	1	1	100	
		5560	1	1	1	1	1	1	1	1	1	1	100	
		5565	1	1	1	1	1	1	1	1	1	1	100	
		5570	1	1	1	1	1	1	1	0	1	1	90	
		5571	1	0	0	1	1	1	1	1	1	1	80	
11AC160SISO	5570	5491	1	0	1	1	1	1	1	1	0	1	80	
		5490	1	1	1	1	1	1	1	1	1	1	100	
		5495	1	1	1	1	1	1	1	1	1	1	1	100
		5500	1	1	1	1	1	1	1	1	1	1	1	100
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		5545	1	1	1	1	1	1	1	1	1	1	1	100
		5550	1	1	1	1	1	1	1	1	1	1	1	100
		5555	1	1	1	1	1	1	1	1	1	1	1	100
		5560	1	1	1	1	1	1	1	1	1	1	1	100
		5565	1	1	1	1	1	1	1	1	1	1	1	100
		5570	1	1	1	1	1	1	1	1	1	1	1	100
		5575	1	1	1	1	1	1	1	1	1	1	1	100
		5580	1	1	1	1	1	1	1	1	1	1	1	100
		5585	1	1	1	1	1	1	1	1	1	1	1	100
		5590	1	1	1	1	1	1	1	1	1	1	1	100
5595	1	1	1	1	1	1	1	1	1	1	1	100		
5600	1	1	1	1	1	1	1	1	1	1	1	100		
5605	1	1	1	1	1	1	1	1	1	1	1	100		
5610	1	1	1	1	1	1	1	1	1	1	1	100		
5615	1	1	1	1	1	1	1	1	1	1	1	100		



		5620	1	1	1	1	1	1	1	1	1	1	100
		5625	1	1	1	1	1	1	1	1	1	1	100
		5630	1	1	1	1	1	1	1	1	1	1	100
		5635	1	1	1	1	1	1	1	1	1	1	100
		5640	1	1	1	1	1	1	1	1	1	1	100
		5645	1	1	1	1	1	1	1	1	1	1	100
		5650	1	1	1	1	1	1	1	1	1	1	100
		5651	1	1	1	1	1	1	1	1	1	1	100
		5652	1	1	1	0	1	1	1	1	1	1	90
		5653	1	1	0	1	1	0	1	1	1	1	80





**g. Statistical Performance Check**

TestMode	Frequency[MHz]	Radar Type	Pass Times	Fail Times	Probability (%)	Limit (%)	Verdict
11A	5260	Type1	29	1	96.67	60	PASS
		Type2	29	1	96.67	60	PASS
		Type3	30	0	100.00	60	PASS
		Type4	30	0	100.00	60	PASS
		Type 1-4	---	---	98.34	80	PASS
		Type5	30	0	100.00	70	PASS
		Type6	30	0	100.00	80	PASS
	5500	Type1	29	1	96.67	60	PASS
		Type2	30	0	100.00	60	PASS
		Type3	30	0	100.00	60	PASS
		Type4	28	0	100.00	60	PASS
		Type 1-4	---	---	98.34	80	PASS
		Type5	30	0	100.00	70	PASS
		Type6	30	0	100.00	80	PASS
11N40SISO	5270	Type1	30	0	100.00	60	PASS
		Type2	30	0	100.00	60	PASS
		Type3	30	0	100.00	60	PASS
		Type4	30	0	100.00	60	PASS
		Type 1-4	---	---	100.00	80	PASS
		Type5	30	0	100.00	70	PASS
		Type6	30	0	100.00	80	PASS
	5510	Type1	30	0	100.00	60	PASS
		Type2	30	0	100.00	60	PASS
		Type3	30	0	100.00	60	PASS
		Type4	30	0	100.00	60	PASS
		Type 1-4	---	---	100.00	80	PASS
		Type5	30	0	100.00	70	PASS
		Type6	30	0	100.00	80	PASS
11AC80SISO	5530	Type1	30	0	100.00	60	PASS
		Type2	30	0	100.00	60	PASS
		Type3	30	0	100.00	60	PASS
		Type4	30	0	100.00	60	PASS
		Type 1-4	---	---	100.00	80	PASS
		Type5	30	0	100.00	70	PASS
		Type6	30	0	100.00	80	PASS



	5530	Type1	30	0	100.00	60	PASS
		Type2	30	0	100.00	60	PASS
		Type3	30	0	100.00	60	PASS
		Type4	30	0	100.00	60	PASS
		Type 1-4	---	---	100.00	80	PASS
		Type5	30	0	100.00	70	PASS
		Type6	30	0	100.00	80	PASS
11AC160SISO	5570	Type1	30	0	100.00	60	PASS
		Type2	30	0	100.00	60	PASS
		Type3	30	0	100.00	60	PASS
		Type4	30	0	100.00	60	PASS
		Type 1-4	---	---	100.00	80	PASS
		Type5	30	0	100.00	70	PASS
		Type6	30	0	100.00	80	PASS



## 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+USB Cable+PC Adapter+PC+WIFI TX

Test voltage: AC 120V/60Hz

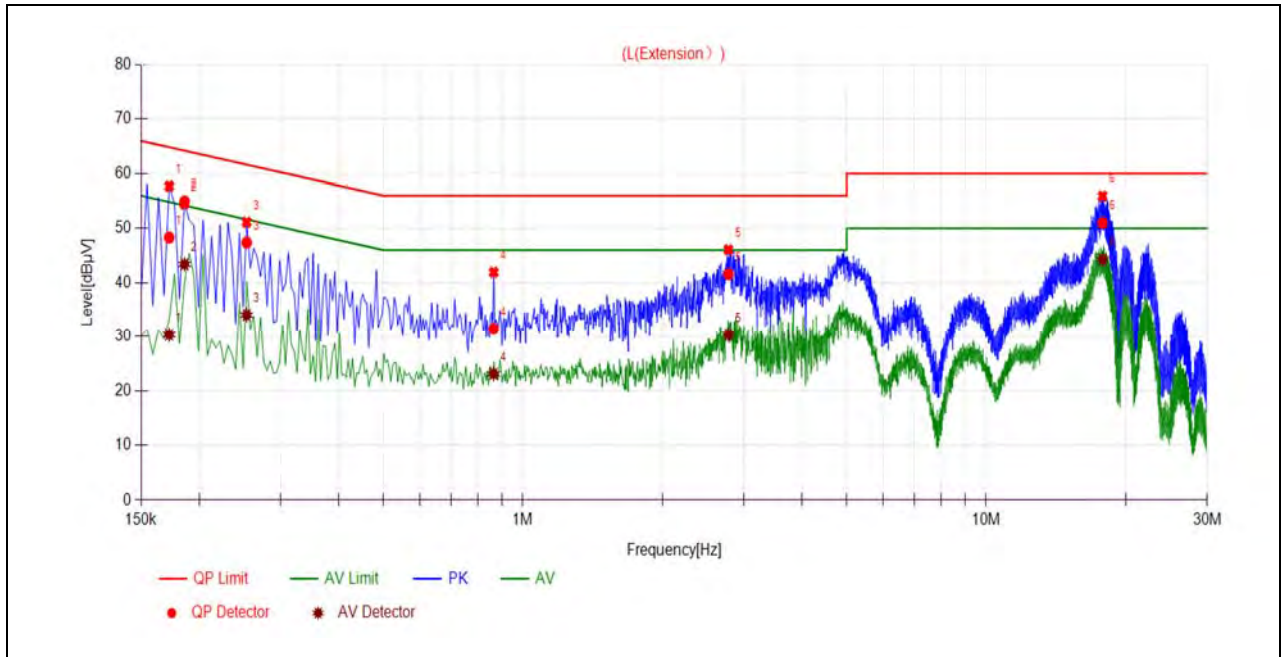
The measurement results are obtained as below:

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

$U_R$ : Receiver Reading

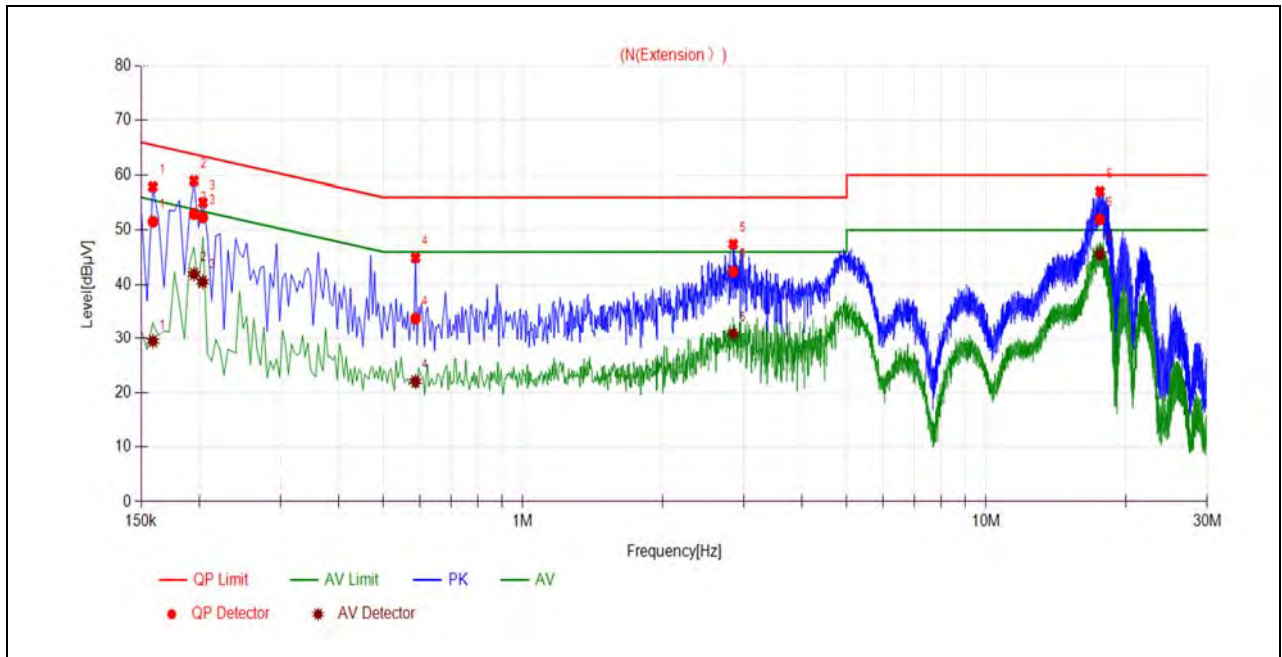
$A_{\text{Factor}}$ : Voltage division factor of LISN

**B. Test Plot:**



(L Phase)

No.	Fre. (MHz)	Emission Level (dBµV)		Limit (dBµV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1724	48.32	30.31	64.85	54.85	Line	PASS
2	0.1861	54.96	43.41	64.21	54.21		PASS
3	0.2534	47.40	34.04	61.65	51.65		PASS
4	0.8646	31.43	23.07	56.00	46.00		PASS
5	2.7796	41.58	30.32	56.00	46.00		PASS
6	17.8408	51.03	44.27	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	0.1591	51.55	29.46	65.51	55.51	Neutral	PASS
2	0.1951	52.97	41.96	63.81	53.81		PASS
3	0.2038	52.34	40.53	63.45	53.45		PASS
4	0.5866	33.78	22.04	56.00	46.00		PASS
5	2.8458	42.41	30.92	56.00	46.00		PASS
6	17.6011	51.98	45.58	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:

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

$A_T$ : Total correction Factor except Antenna

$U_R$ : Receiver Reading

$G_{\text{preamp}}$ : Preamplifier Gain

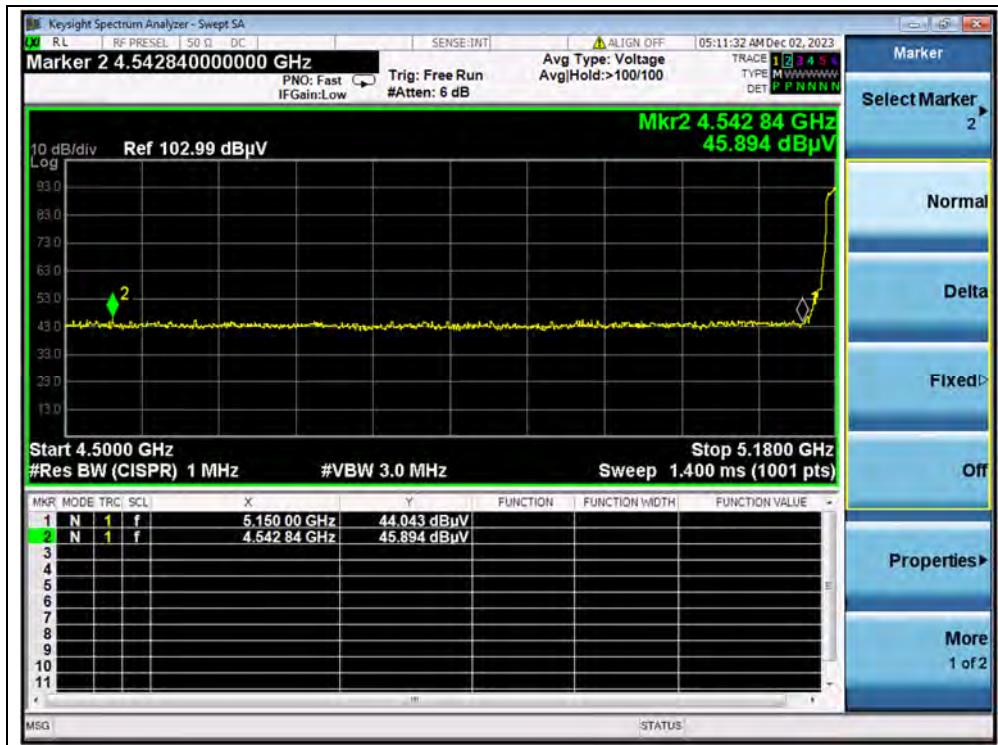
$A_{\text{Factor}}$ : Antenna Factor at 3m

**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.

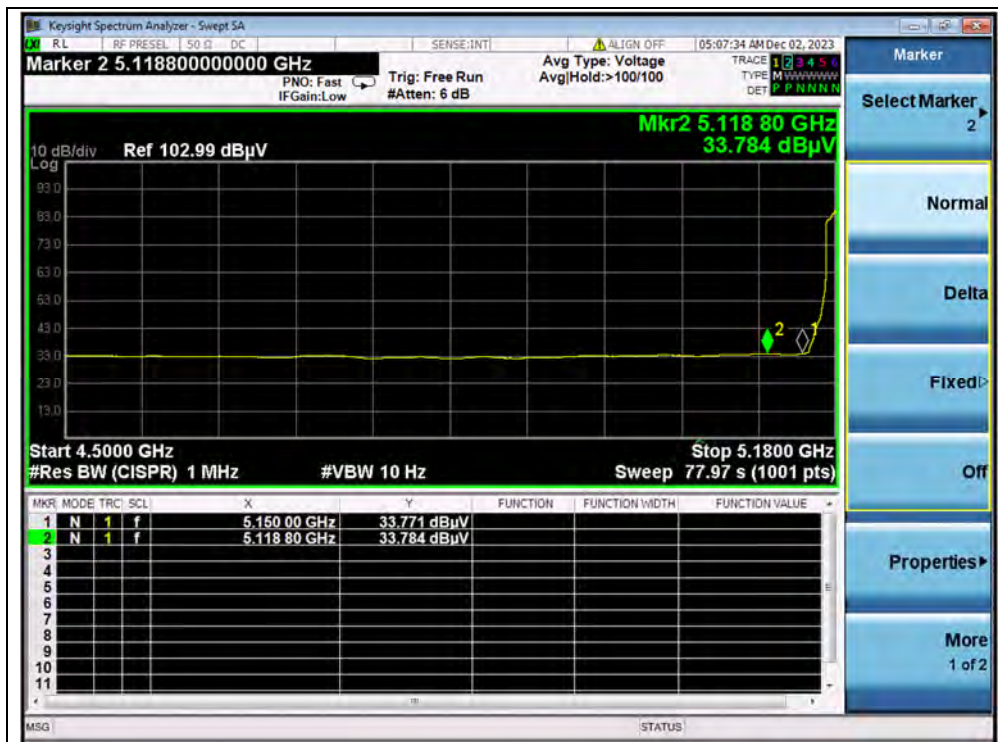
**Note 2:** All test modes and bandwidth were considered and evaluated respectively by performing full test, only the worst data were recorded for each bandwidth.

**802.11a Mode**

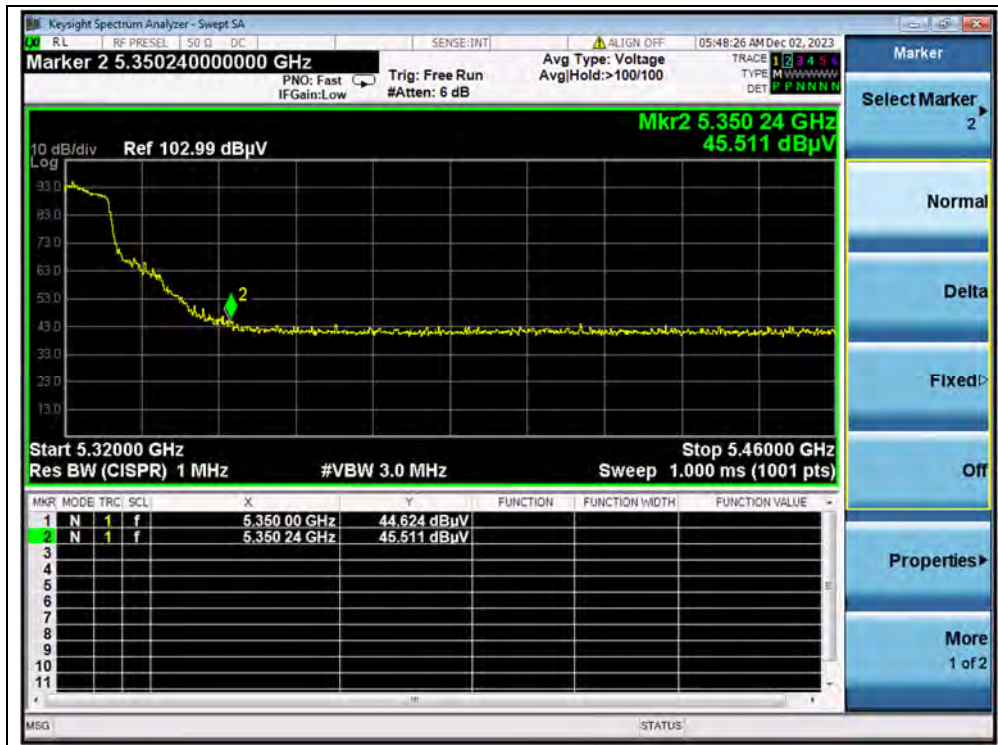
Channel	Frequency (MHz)	Detector	Receiver Reading $U_R$ (dB $\mu$ V)	$A_T$ (dB)	$A_{\text{Factor}}$ (dB@3m)	Max. Emission E (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Verdict
		PK/ AV						
36	4542.84	PK	45.89	-19.54	32.20	58.55	74	PASS
36	5118.80	AV	33.78	-19.54	32.20	46.44	54	PASS
64	5350.24	PK	45.51	-18.80	32.20	58.91	74	PASS
64	5350.00	AV	33.75	-18.80	32.20	47.15	54	PASS
100	5470.00	PK	45.86	-19.20	32.20	58.86	68.23	PASS
100	5108.12	AV	33.73	-19.20	32.20	46.73	54	PASS
144	5797.20	PK	46.10	-19.20	32.20	59.10	68.23	PASS
149	5725.00	PK	67.51	-19.01	32.20	80.70	122.23	PASS
165	5850.00	PK	48.64	-19.01	32.20	61.83	122.23	PASS



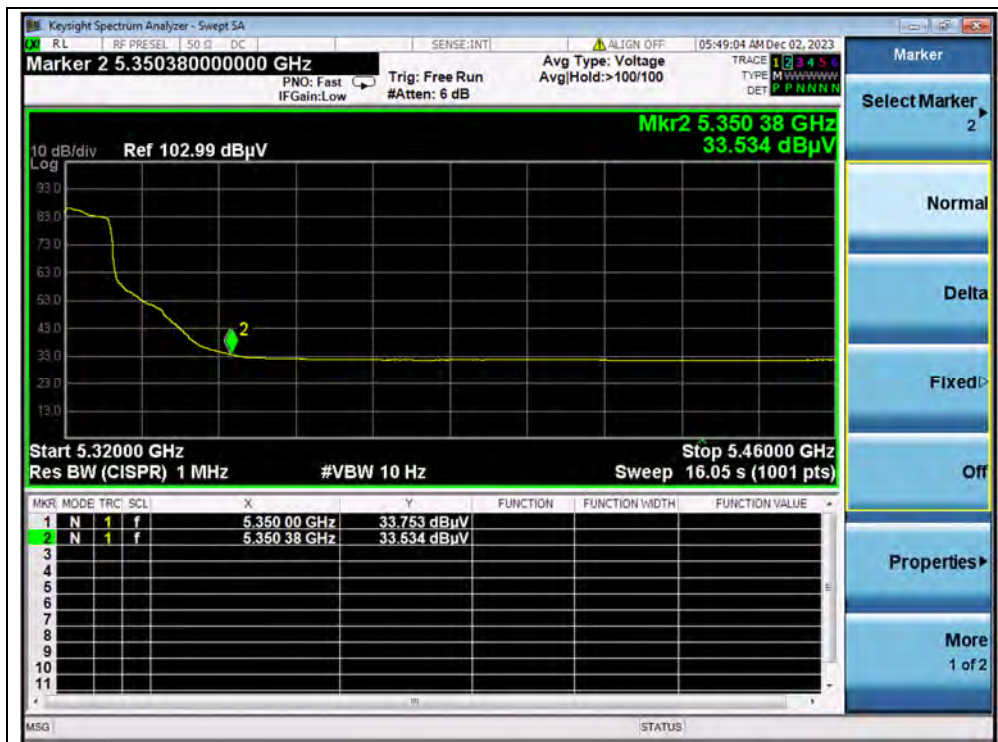
(PEAK, Channel 36, 802.11a)



(AVERAGE, Channel 36, 802.11a)

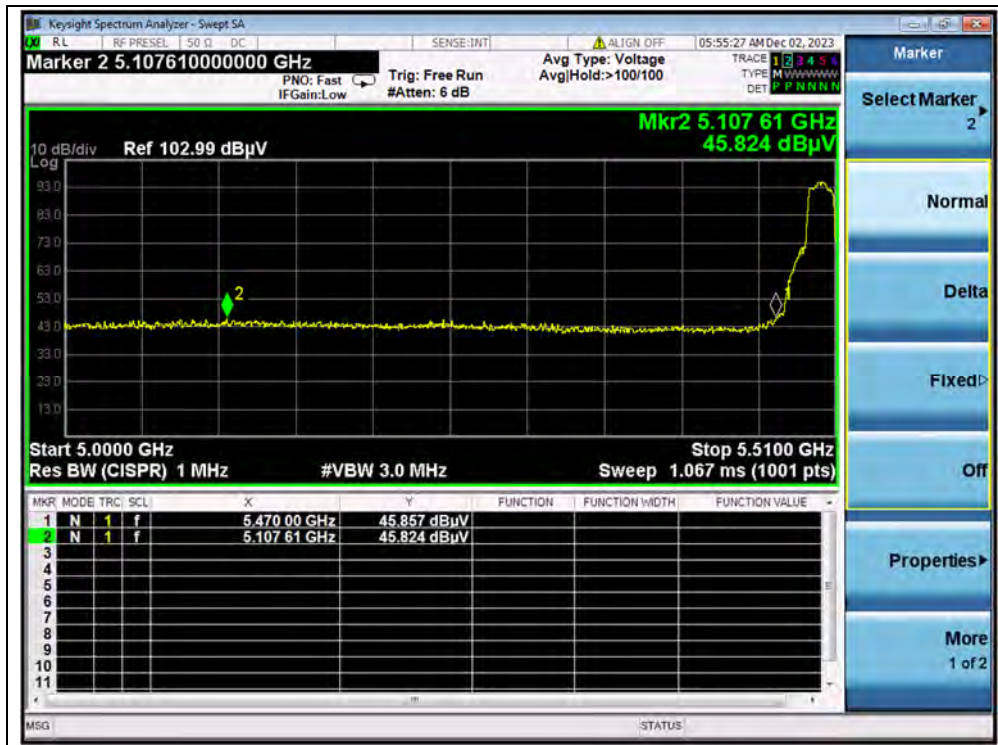


(PEAK, Channel 64, 802.11a)

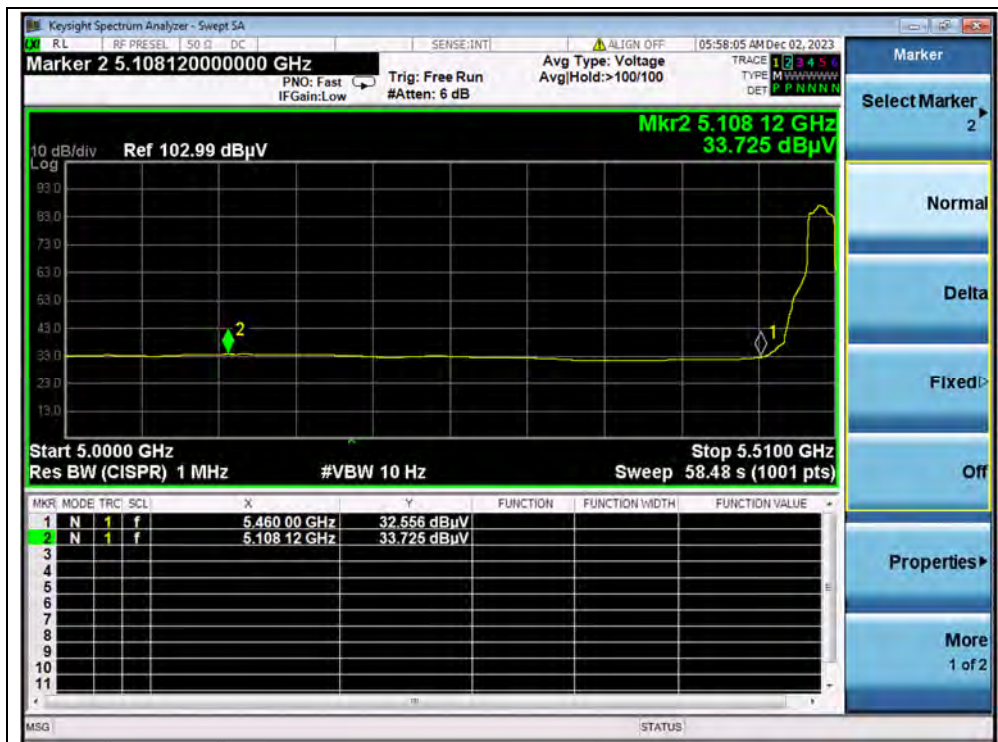


(AVERAGE, Channel 64, 802.11a)

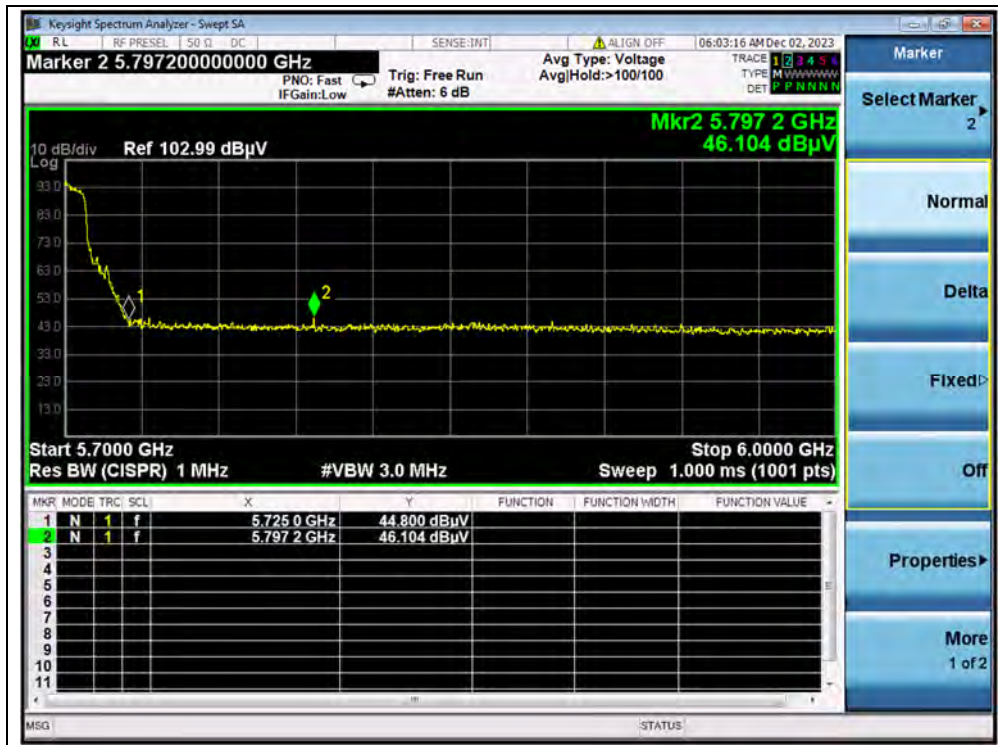




(PEAK, Channel 100, 802.11a)



(AVERAGE, Channel 100, 802.11a)

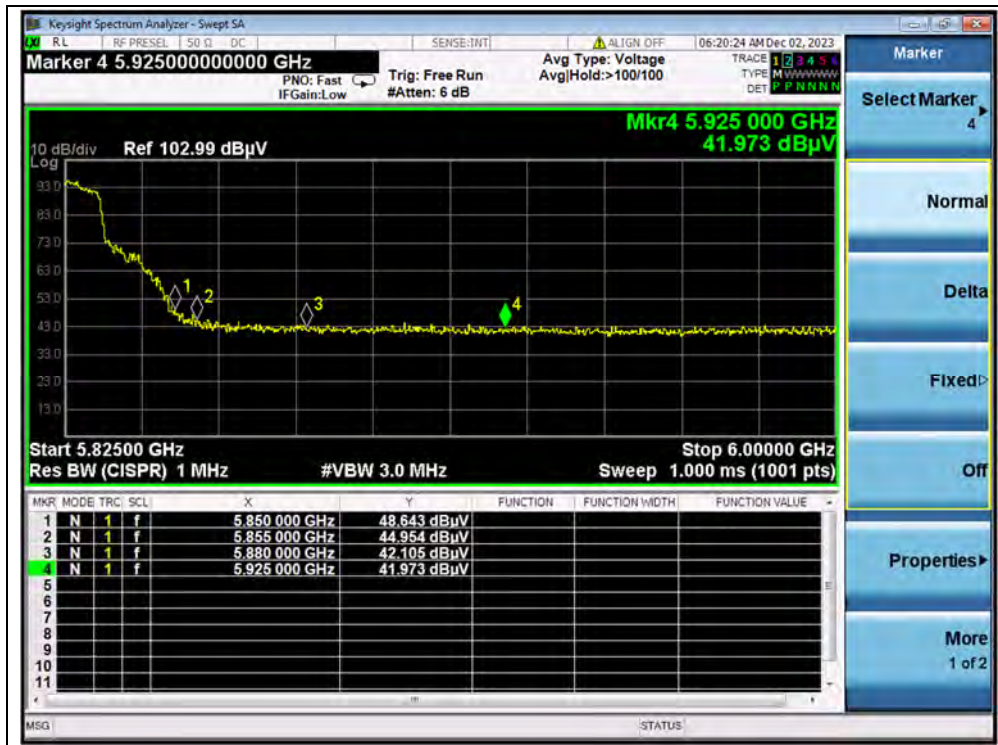


(PEAK, Channel 144, 802.11a)



(PEAK, Channel 149, 802.11a)



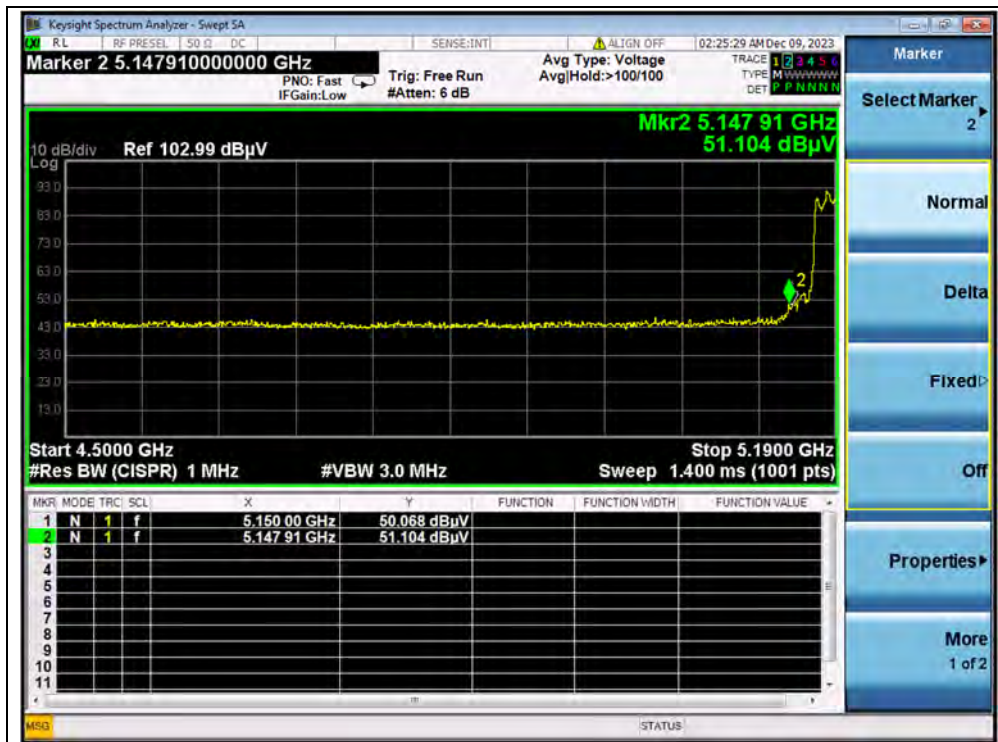


(PEAK, Channel 165, 802.11a)

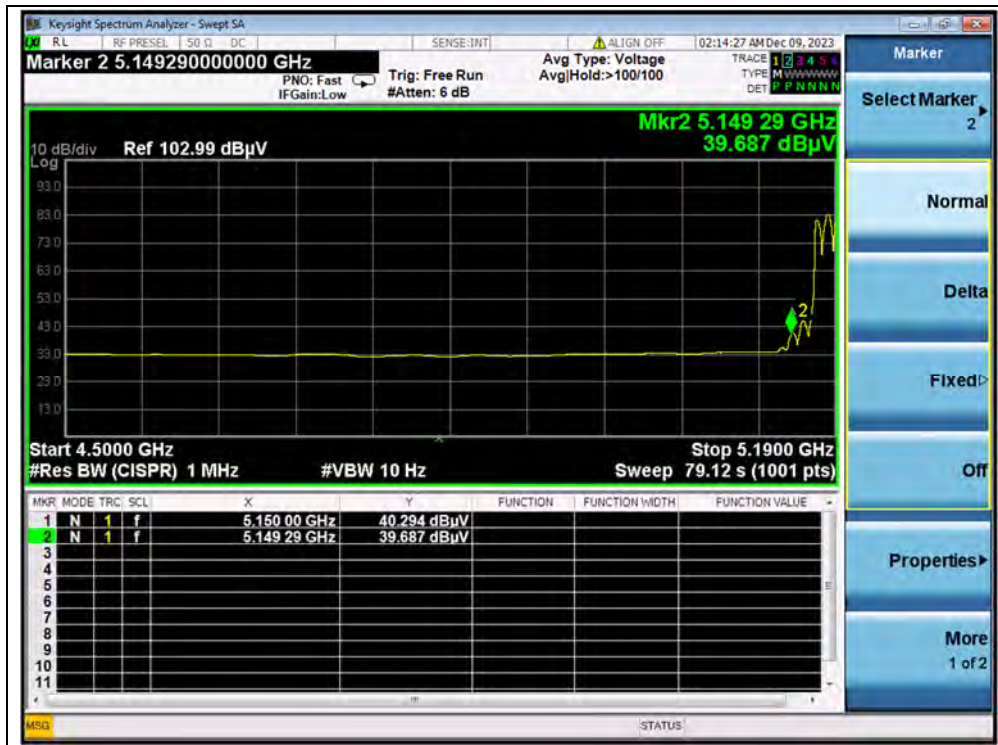


802.11n (HT40) Mode

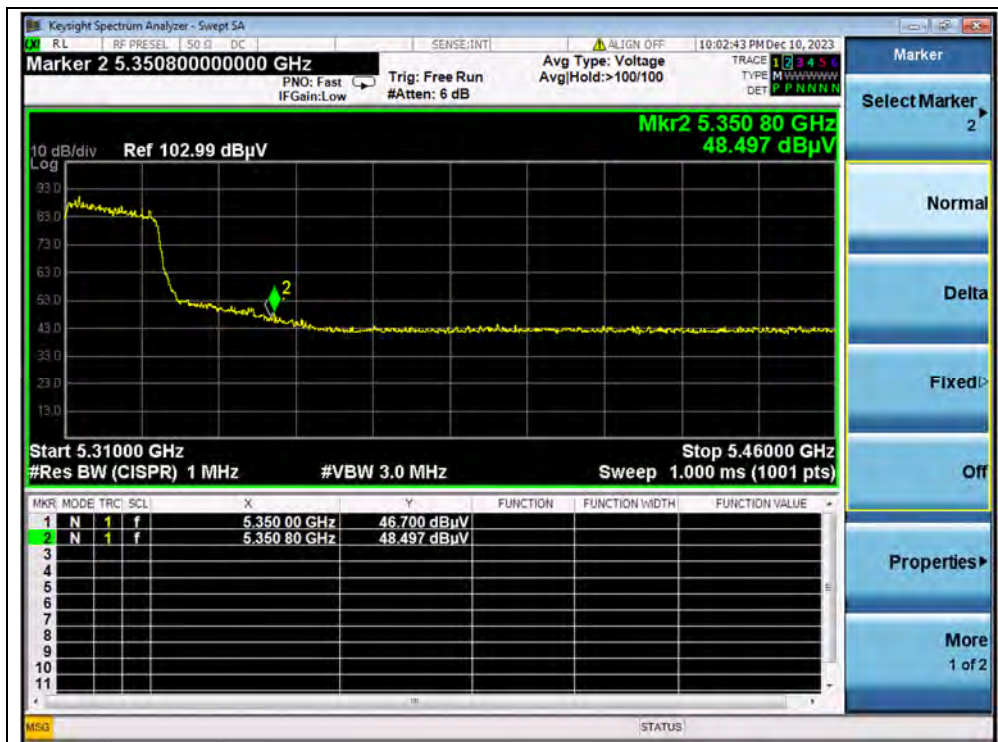
Channel	Frequency (MHz)	Detector	Receiver Reading $U_R$ (dB $\mu$ V)	$A_T$ (dB)	$A_{Factor}$ (dB@3m)	Max. Emission E (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Verdict
		PK/ AV						
38	5147.91	PK	51.10	-19.54	32.20	63.76	74	PASS
38	5150.00	AV	40.29	-19.54	32.20	52.95	54	PASS
62	5350.80	PK	48.50	-18.80	32.20	61.90	74	PASS
62	5350.00	AV	37.39	-18.80	32.20	50.79	54	PASS
102	5470.00	PK	52.12	-19.20	32.20	65.12	68.23	PASS
102	5460.00	AV	33.31	-19.20	32.20	46.31	54	PASS
142	5772.30	PK	46.05	-19.20	32.20	59.05	68.23	PASS
151	5725.00	PK	68.00	-19.01	32.20	81.19	122.23	PASS
159	5850.00	PK	46.70	-19.01	32.20	59.89	122.23	PASS



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

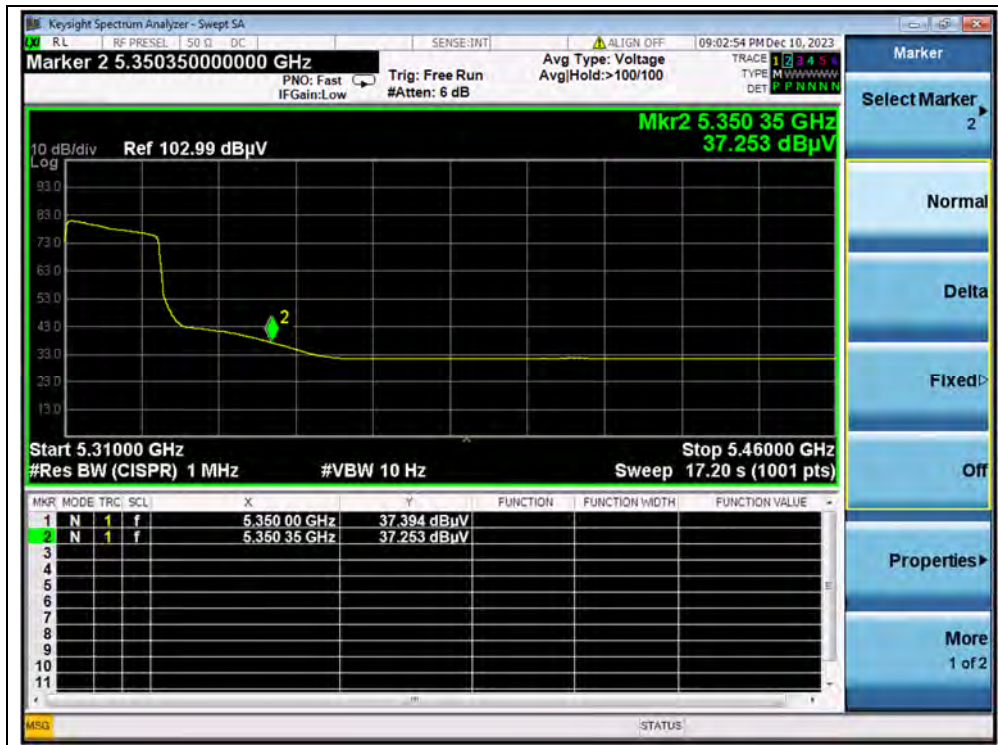


(AVERAGE, Channel 38, 802.11n (HT40))

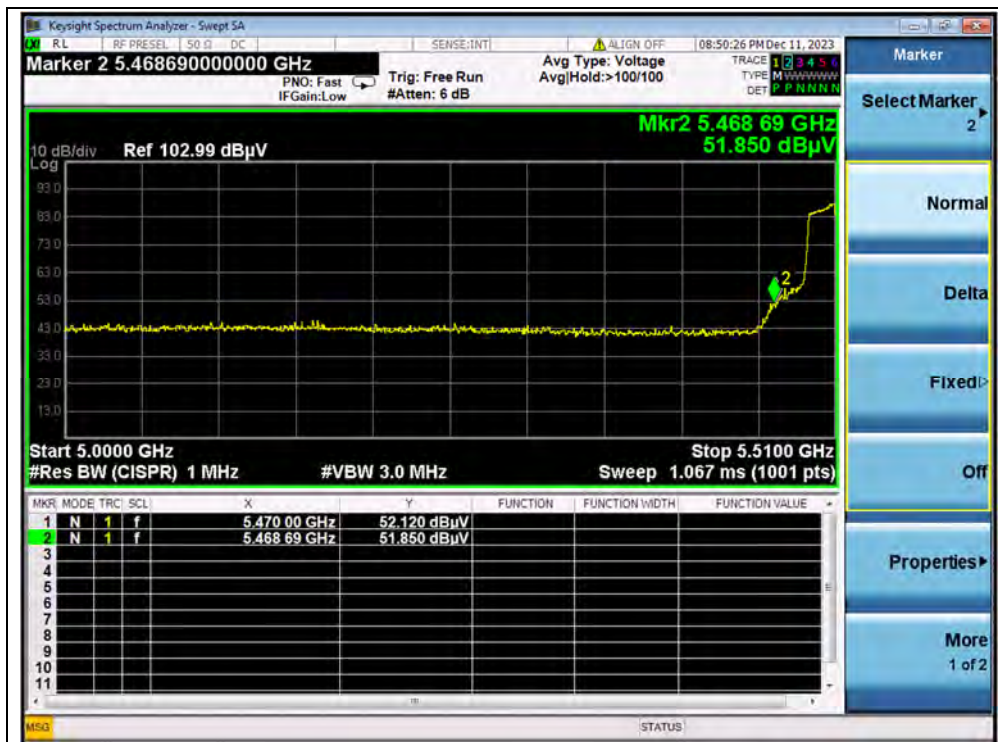


(PEAK, Channel 62, 802.11n (HT40))

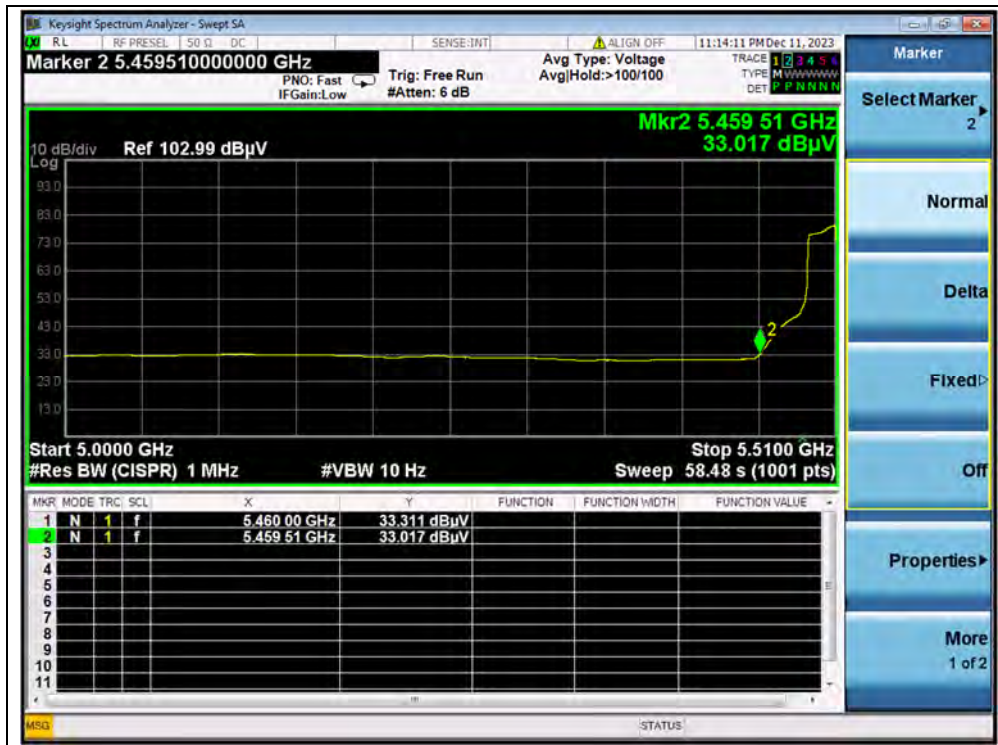




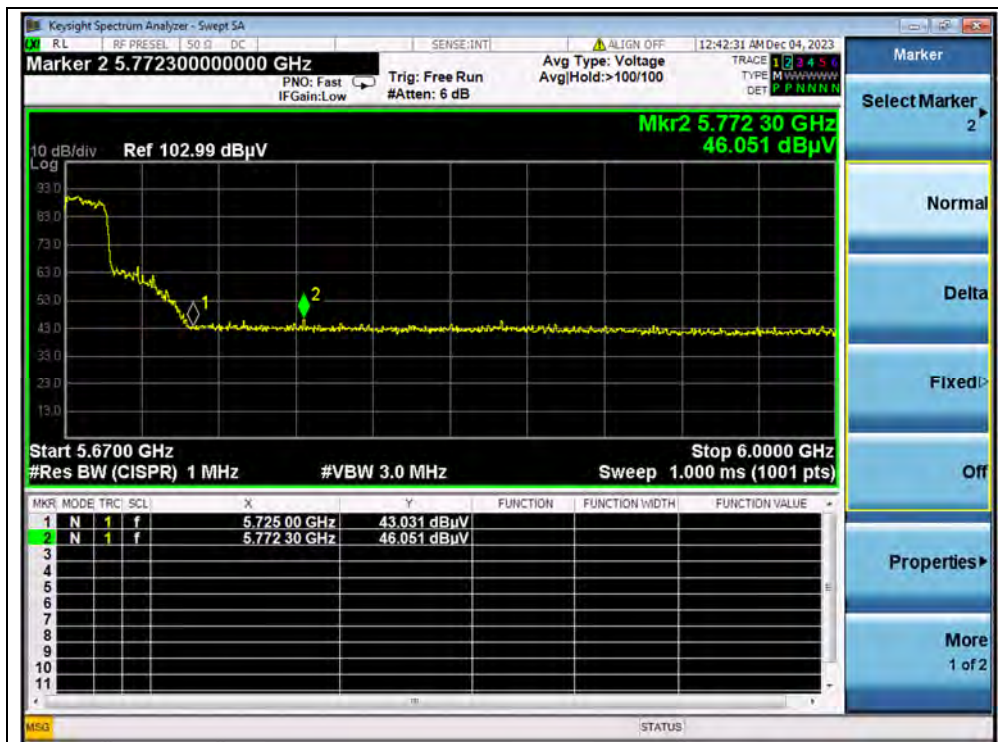
(AVERAGE, Channel 62, 802.11n (HT40))



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

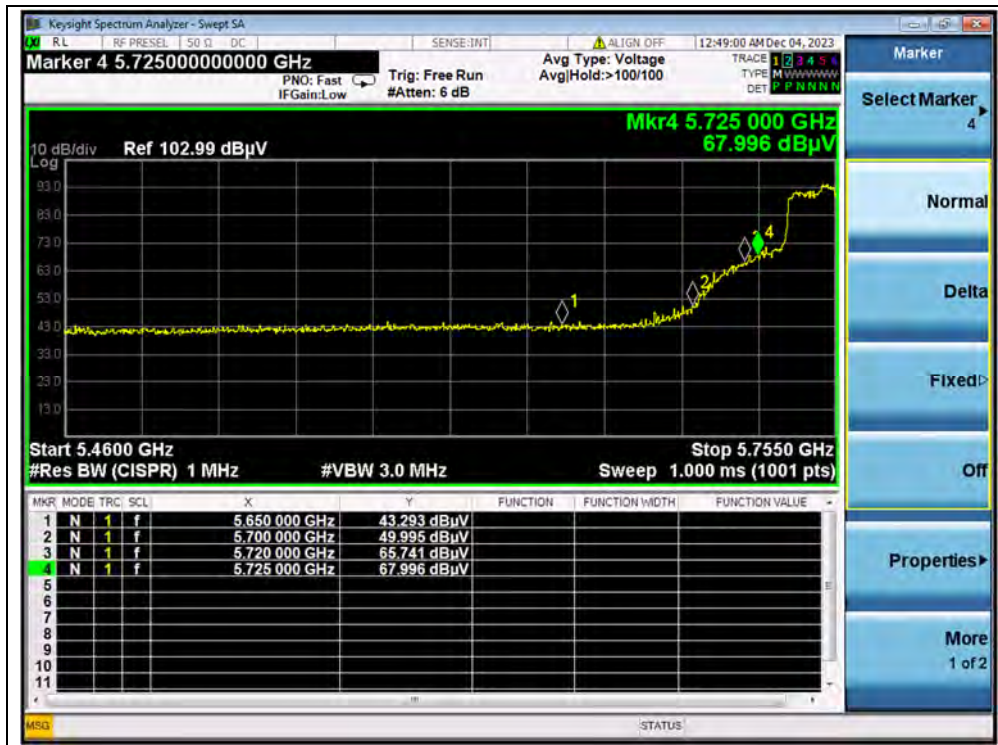


(AVERAGE, Channel 102, 802.11n (HT40))



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





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

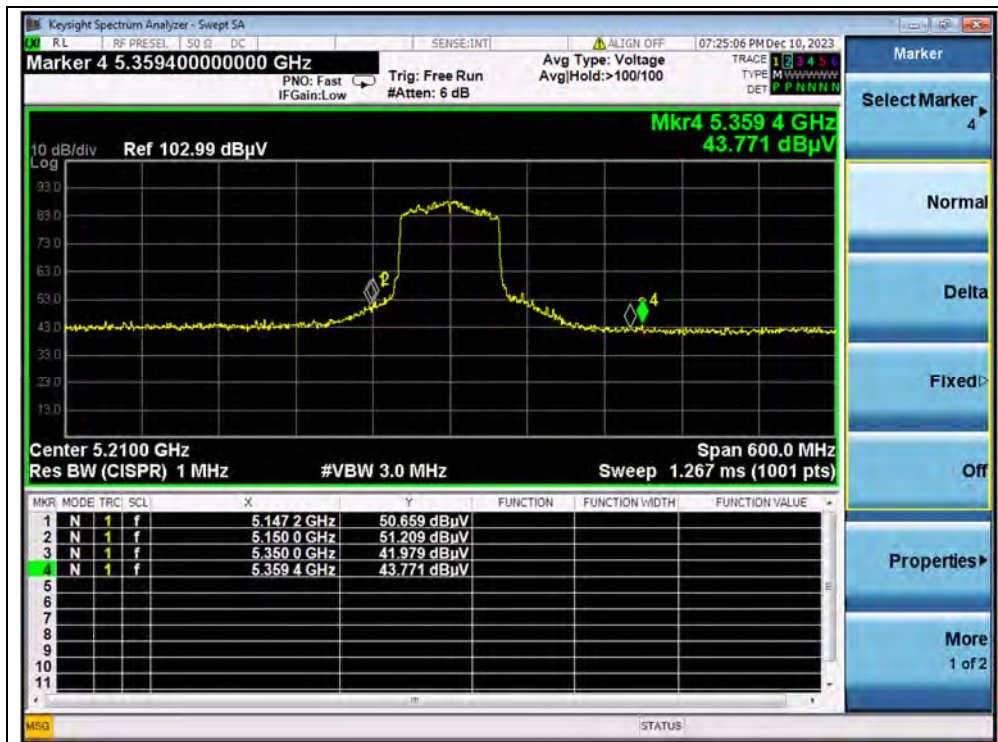


(PEAK, Channel 159, 802.11n (HT40))

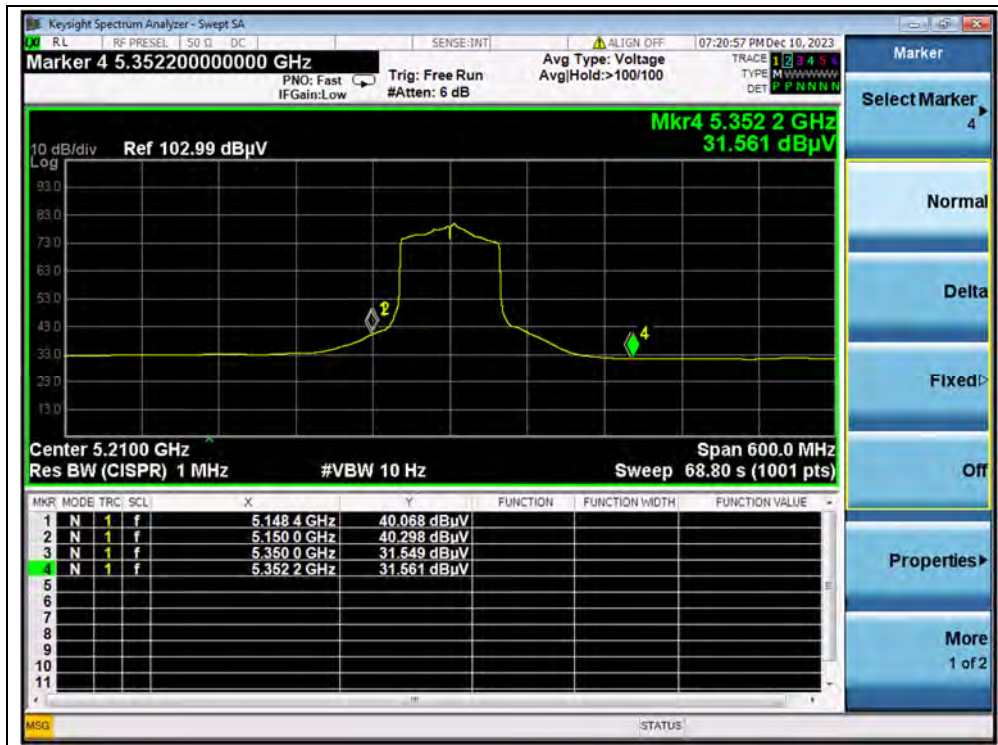


802.11ac (VHT80) Mode

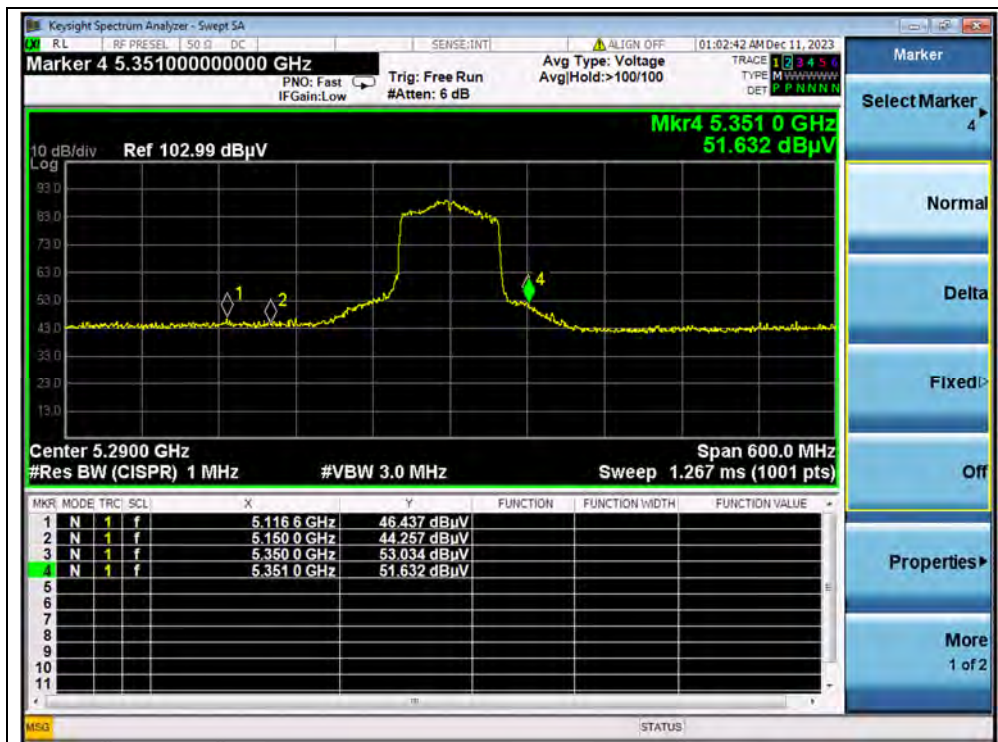
Channel	Frequency (MHz)	Detector	Receiver Reading $U_R$ (dB $\mu$ V)	$A_T$ (dB)	$A_{Factor}$ (dB@3m)	Max. Emission E (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Verdict
		PK/ AV						
42	5150.00	PK	51.21	-19.54	32.20	63.87	74	PASS
42	5150.00	AV	40.30	-19.54	32.20	52.96	54	PASS
58	5350.00	PK	53.03	-18.80	32.20	66.43	74	PASS
58	5350.00	AV	39.75	-18.80	32.20	53.15	54	PASS
106	5467.99	PK	53.25	-19.20	32.20	66.25	68.23	PASS
106	5460.00	AV	39.27	-19.20	32.20	52.27	54	PASS
138	5744.94	PK	45.50	-19.20	32.20	58.50	68.23	PASS
155	5725.00	PK	65.47	-19.01	32.20	78.66	122.23	PASS
155	5850.00	PK	60.67	-19.01	32.20	73.86	122.23	PASS



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

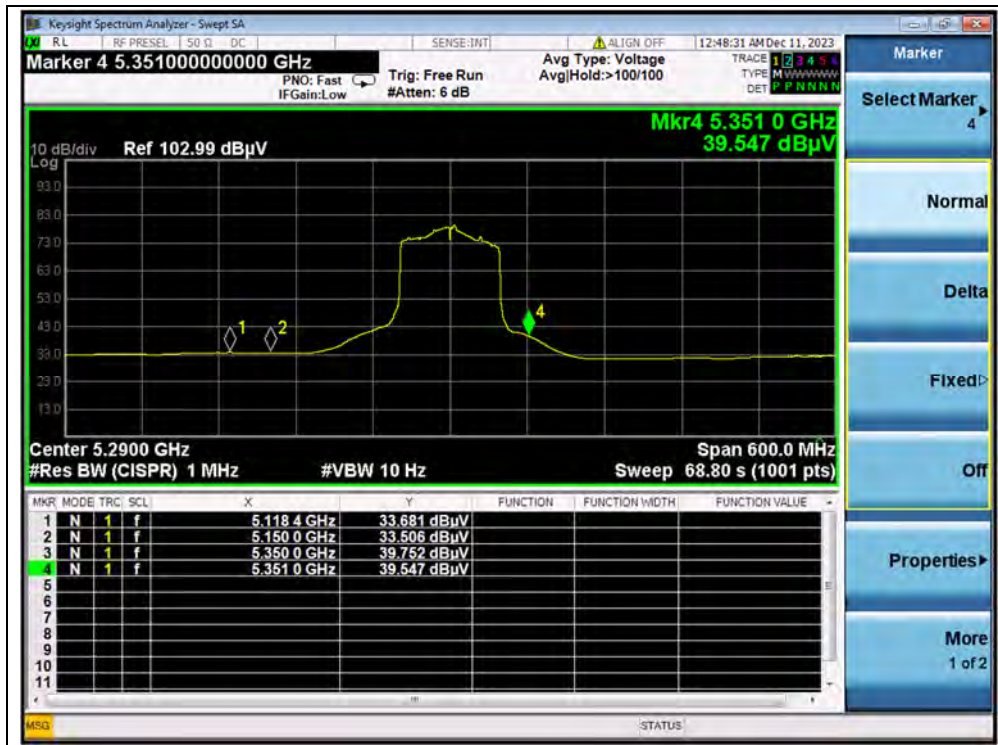


(AVERAGE, Channel 42, 802.11ac (VHT80))

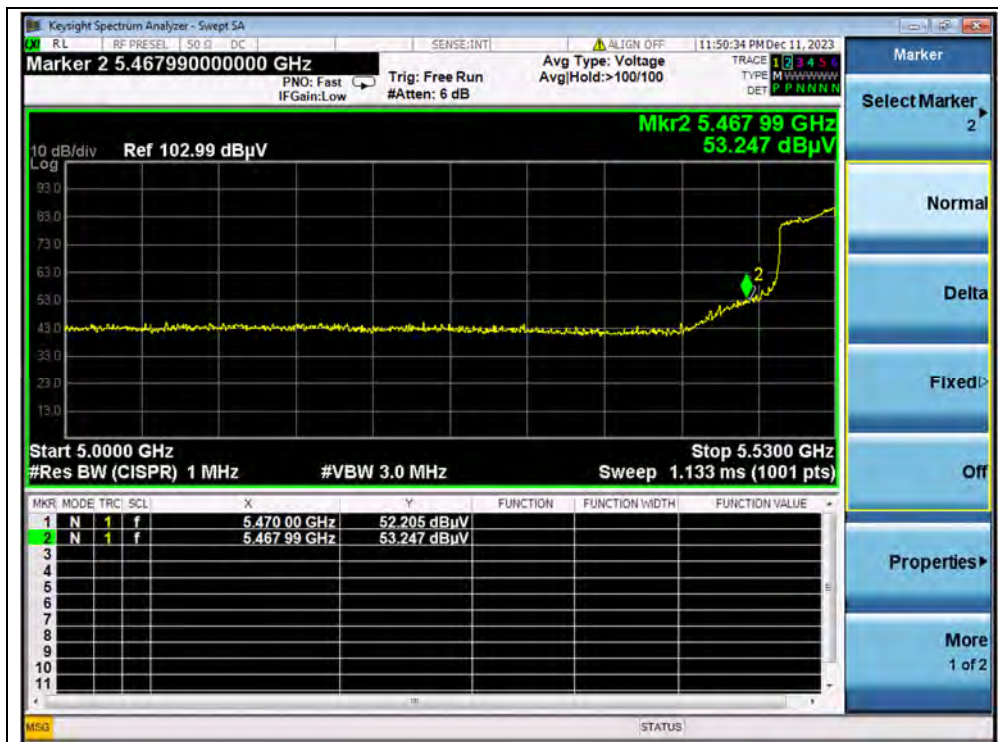


(PEAK, Channel 58, 802.11ac (VHT80))

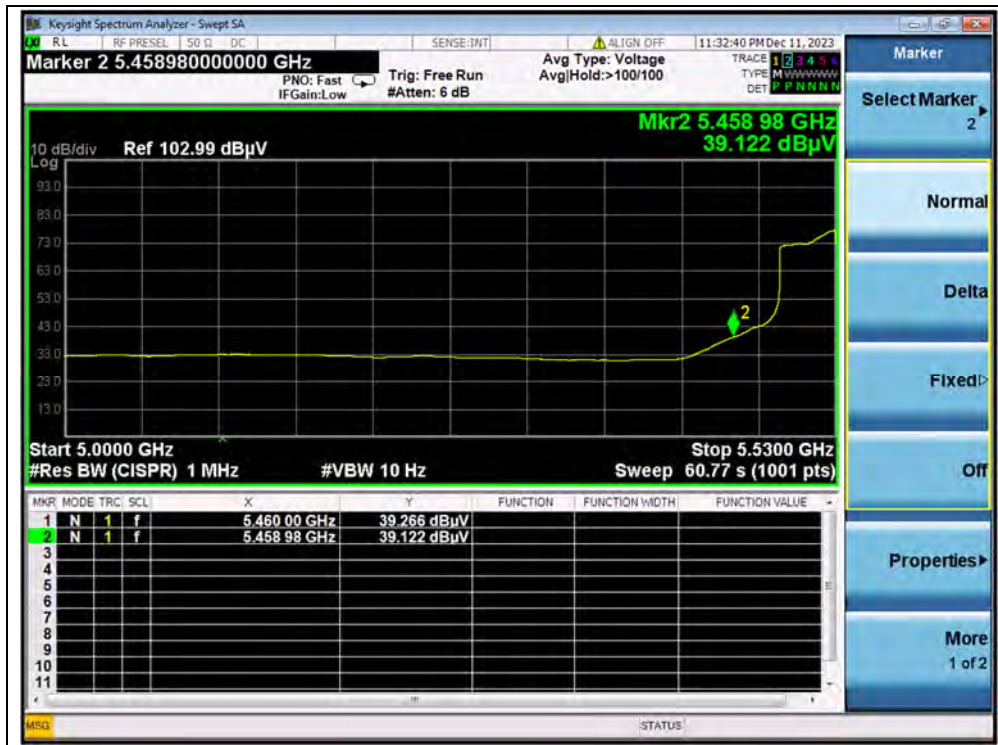




(AVERAGE, Channel 58, 802.11ac (VHT80))



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

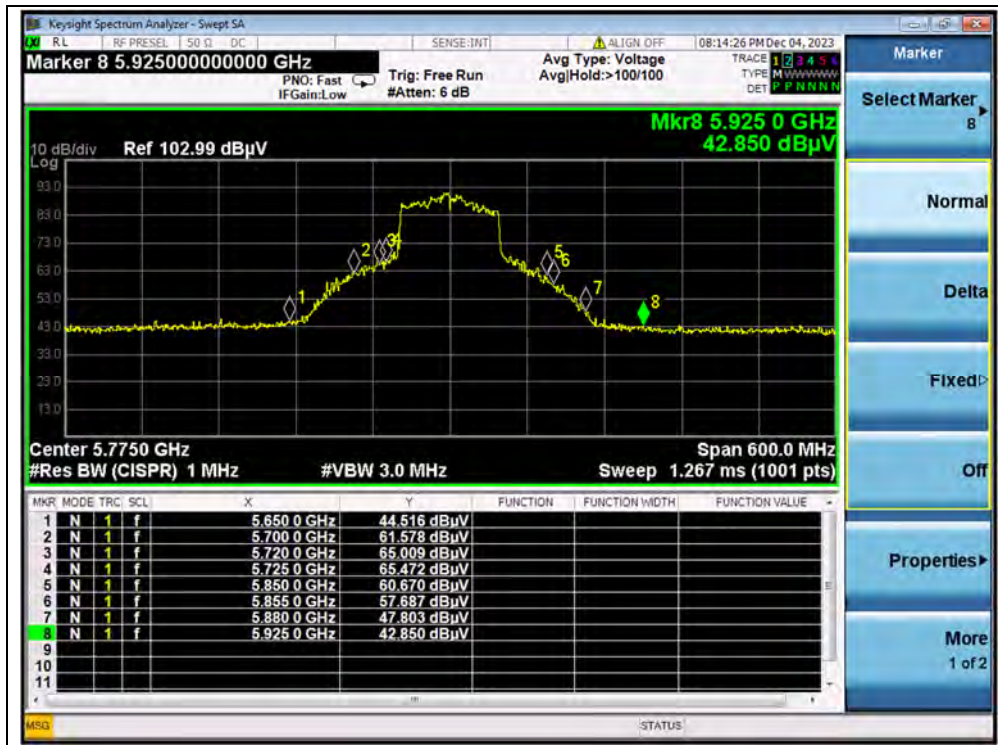


(AVERAGE, Channel 106, 802.11ac (VHT80))



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





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

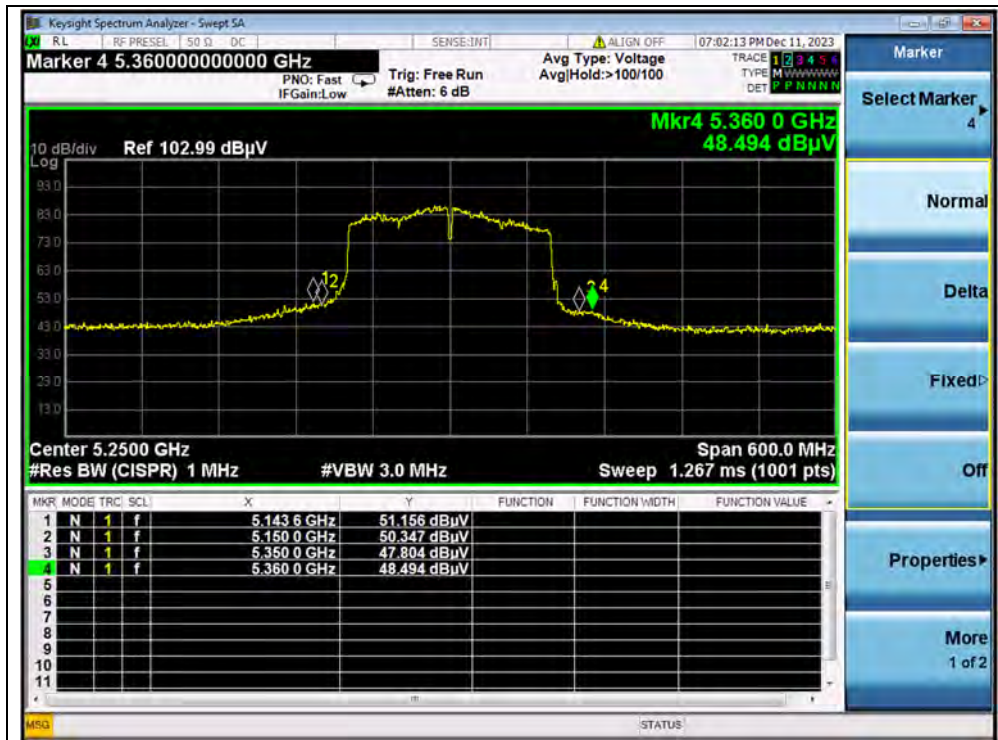


802.11ac (VHT160) Mode

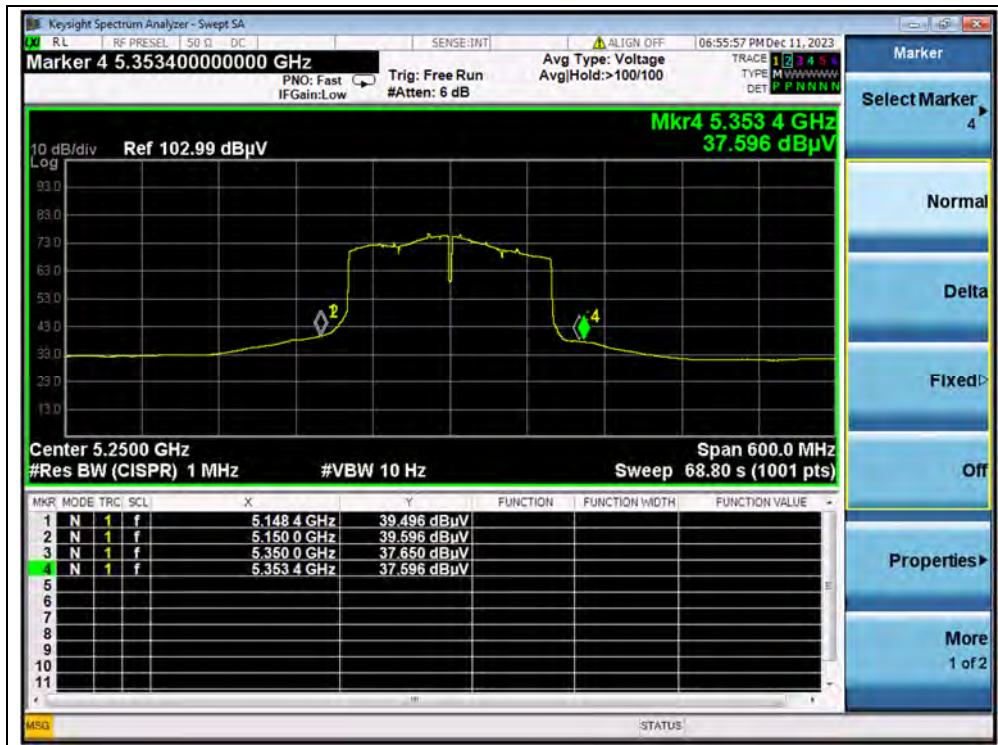
A. Test Verdict:

Channel	Frequency (MHz)	Detector	Receiver Reading $U_R$ (dB $\mu$ V)	$A_T$ (dB)	$A_{Factor}$ (dB@3m)	Max. Emission E (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Verdict
		PK/ AV						
50	5143.60	PK	51.16	-19.54	32.20	63.82	74	PASS
50	5150.00	AV	39.60	-19.54	32.20	52.26	54	PASS
50	5360.00	PK	48.49	-19.54	32.20	61.15	74	PASS
50	5350.00	AV	37.65	-19.54	32.20	50.31	54	PASS
114	5457.00	PK	52.07	-19.20	32.20	65.07	74	PASS
114	5460.00	AV	39.52	-19.20	32.20	52.52	54	PASS
114	5730.00	PK	50.76	-19.20	32.20	63.76	68.23	PASS
114	5725.00	AV	37.71	-19.20	32.20	50.71	54	PASS

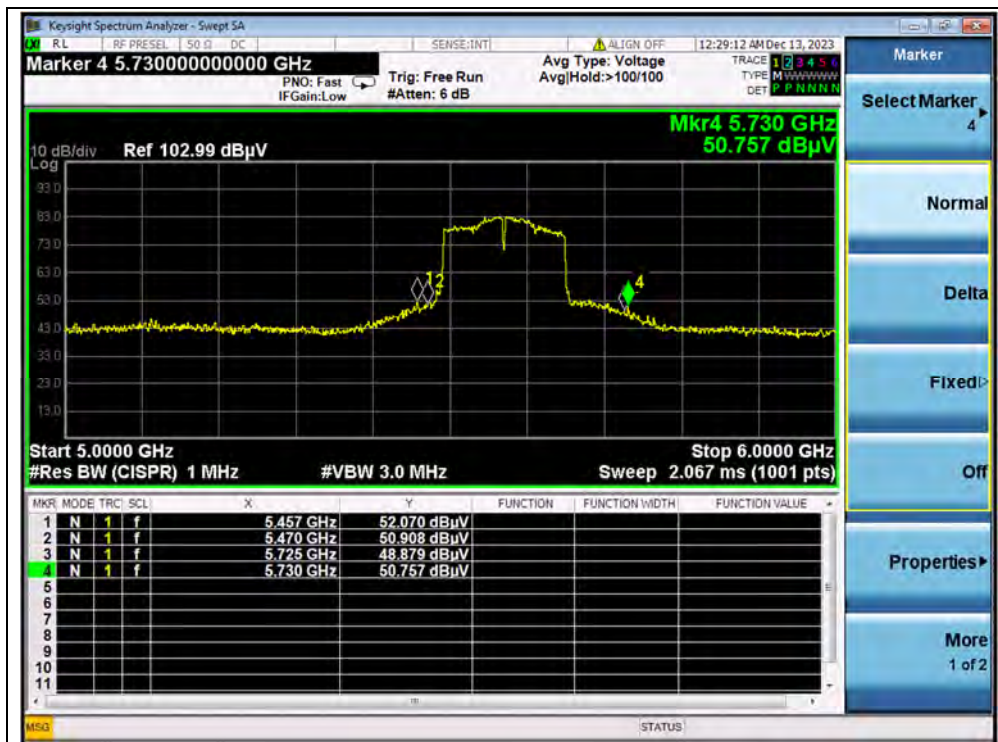
B. Test Plot:



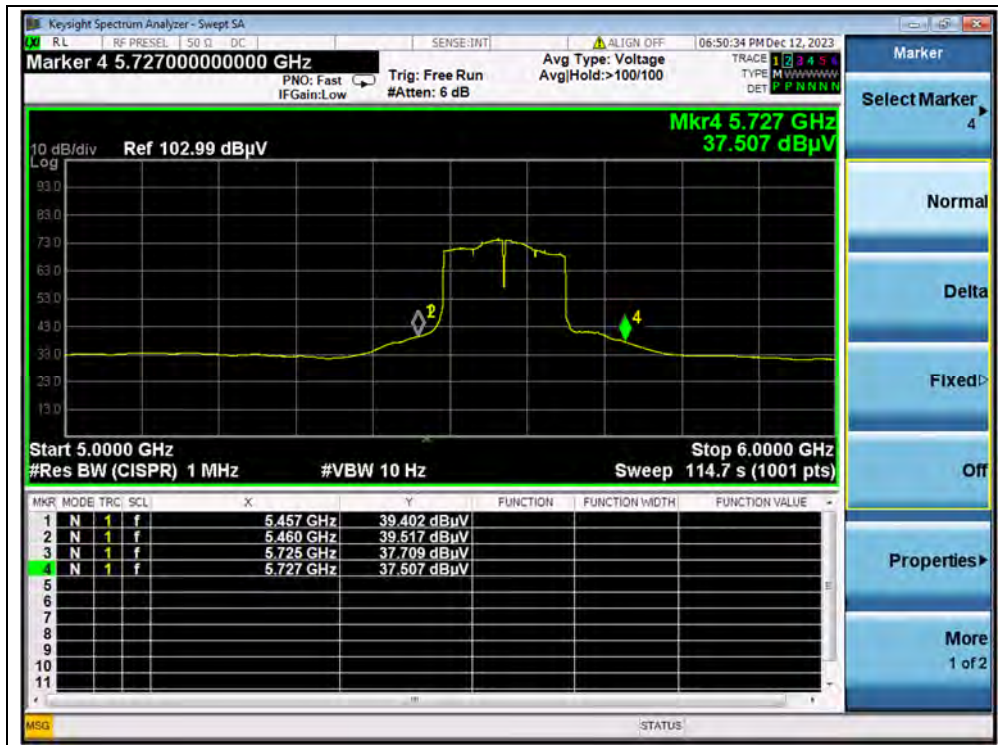
(PEAK, Channel 50, 802.11ac (VHT160))



(AVERAGE, Channel 50, 802.11ac (VHT160))



(PEAK, Channel 114, 802.11ac (VHT160))



(AVERAGE, Channel 114, 802.11ac (VHT160))





### 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

$G_{\text{preamp}}$ : Preamplifier Gain

$A_{\text{Factor}}$ : Antenna Factor at 3m

During the test, the total correction Factor  $A_T$  and  $A_{\text{Factor}}$  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 40G harmonic of the highest frequency, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

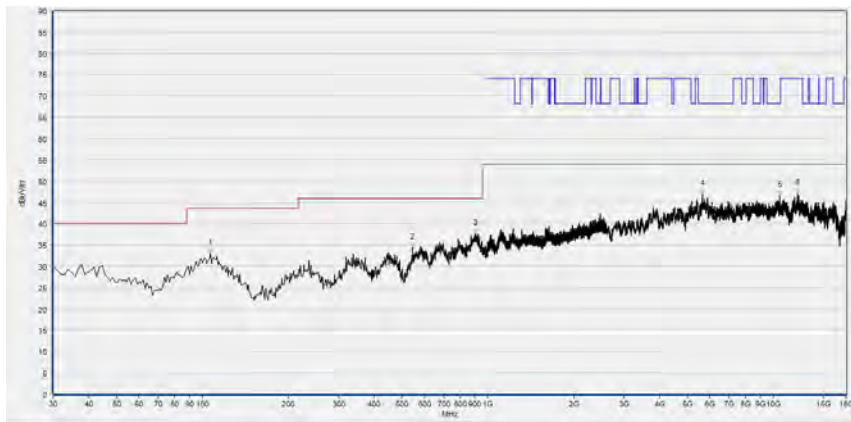
**Note 4:** All test modes and bandwidth were considered and evaluated respectively by performing full test, only the worst data were recorded for each bandwidth.





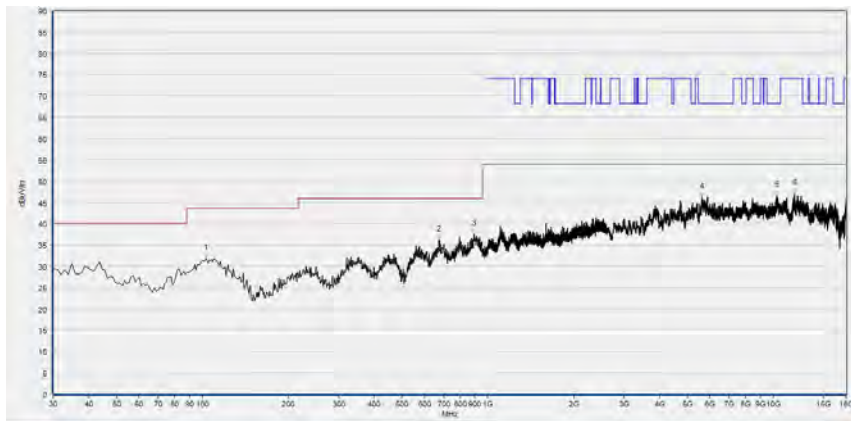
802.11a Mode

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	33.03	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
545.586	34.38	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
903.874	37.74	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5646.729	46.87	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
10535.667	46.55	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12171.474	47.08	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

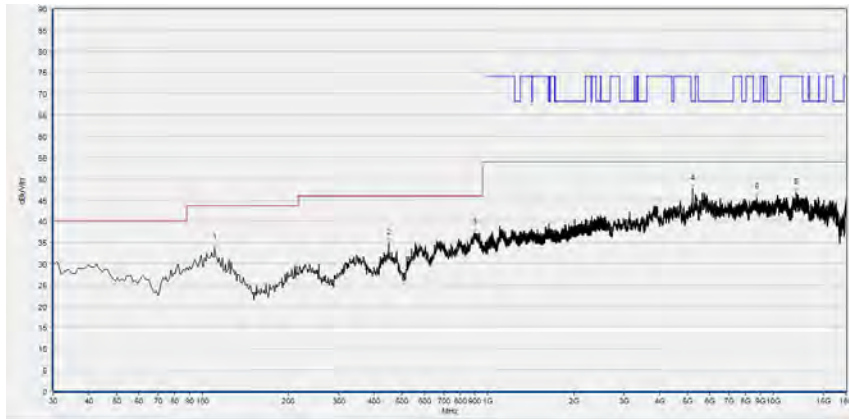
(Antenna Horizontal, 30MHz to 18GHz)



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	31.79	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
674.725	36.24	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
894.164	37.51	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5628.246	46.26	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
10295.379	46.67	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
11884.977	47.17	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

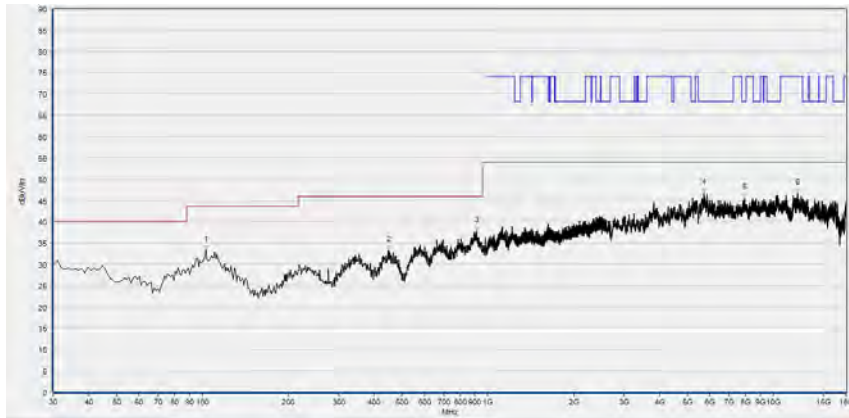
(Antenna Vertical, 30MHz to 18GHz)

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
110.591	33.60	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
449.459	34.87	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
897.077	37.27	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5218.524	47.56	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8742.749	45.53	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12045.169	46.82	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

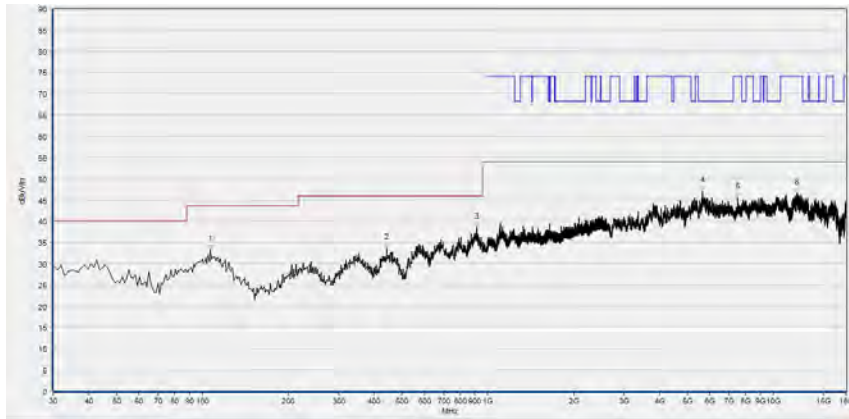
(Antenna Horizontal, 30MHz to 18GHz)



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	33.28	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
449.459	33.35	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
912.613	37.87	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5723.745	46.71	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
7923.305	45.52	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12137.588	46.74	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

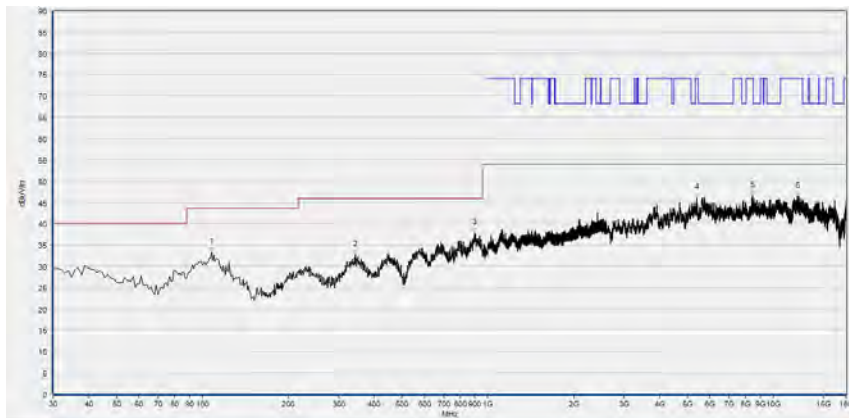
(Antenna Vertical, 30MHz to 18GHz)

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	33.34	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
442.663	33.68	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
913.584	38.55	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5646.729	47.16	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
7516.663	45.55	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12075.975	46.56	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

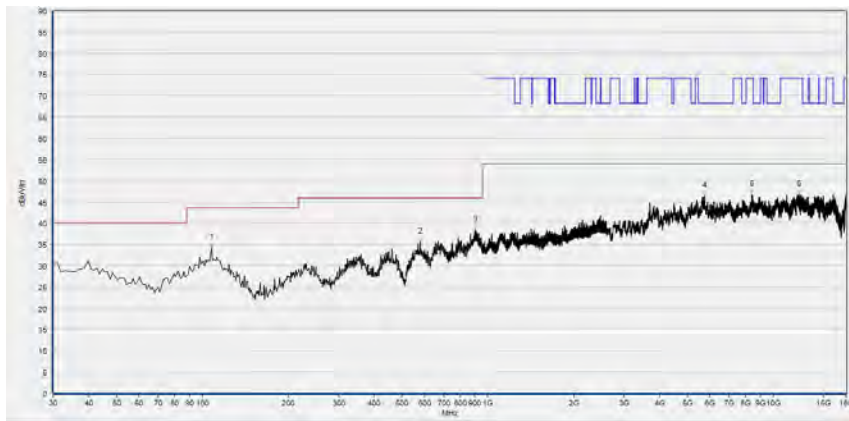
(Antenna Horizontal, 30MHz to 18GHz)



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
107.678	33.32	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
343.624	32.63	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
900.961	37.84	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5391.038	46.10	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
8465.493	46.63	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12168.394	46.39	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

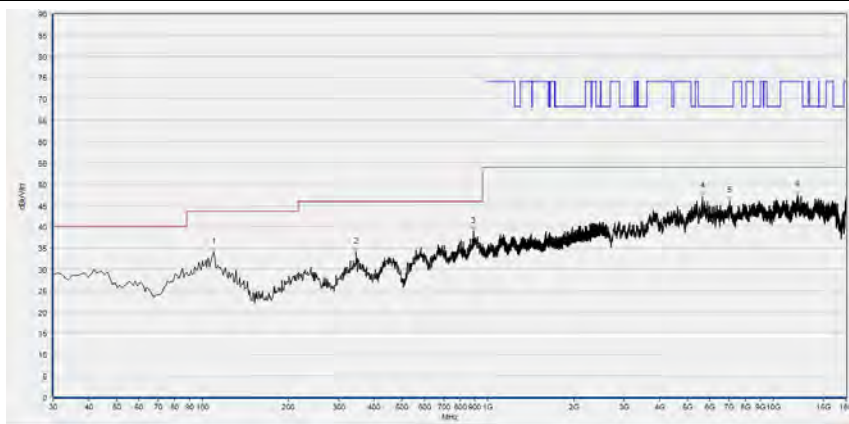
(Antenna Vertical, 30MHz to 18GHz)

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
107.678	34.21	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
578.599	35.60	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
901.932	38.32	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5745.309	46.47	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8428.526	46.80	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12294.699	46.78	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

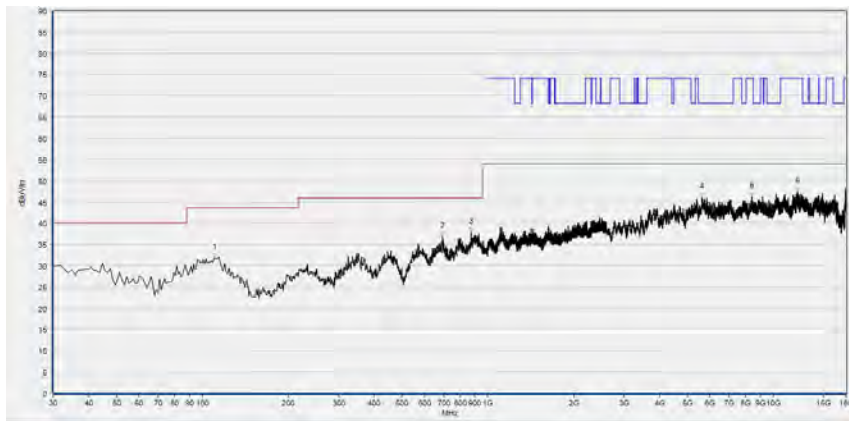
(Antenna Horizontal, 30MHz to 18GHz)



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	34.10	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
345.566	34.06	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
891.251	38.87	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5637.487	47.06	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
7045.329	46.17	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12152.991	47.43	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

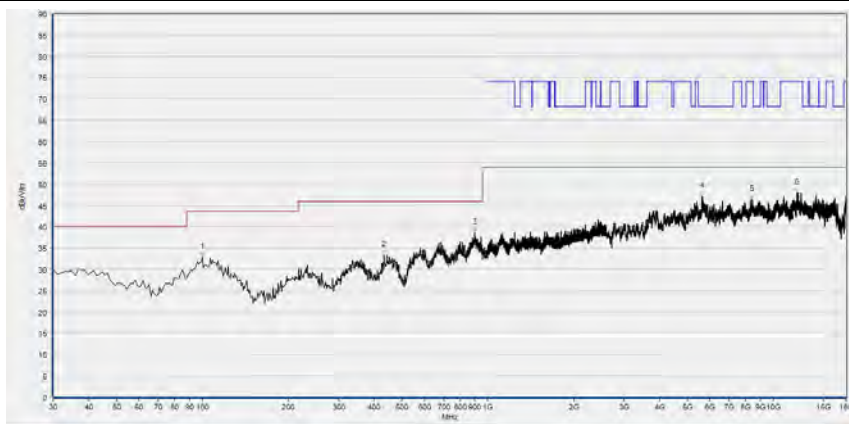
(Antenna Vertical, 30MHz to 18GHz)

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
110.591	31.78	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
695.115	36.85	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
874.745	37.85	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5628.246	46.03	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8403.881	46.33	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12196.119	47.45	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

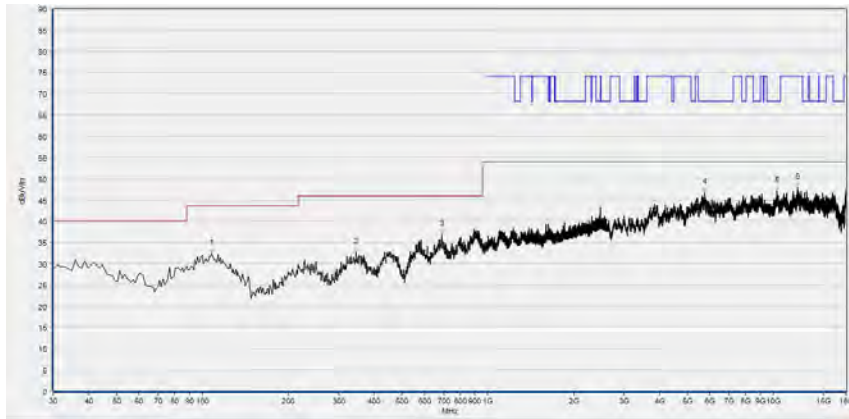


Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
99.910	32.79	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
432.953	33.34	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
899.990	38.48	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5628.246	47.04	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8434.687	46.42	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12128.346	47.85	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

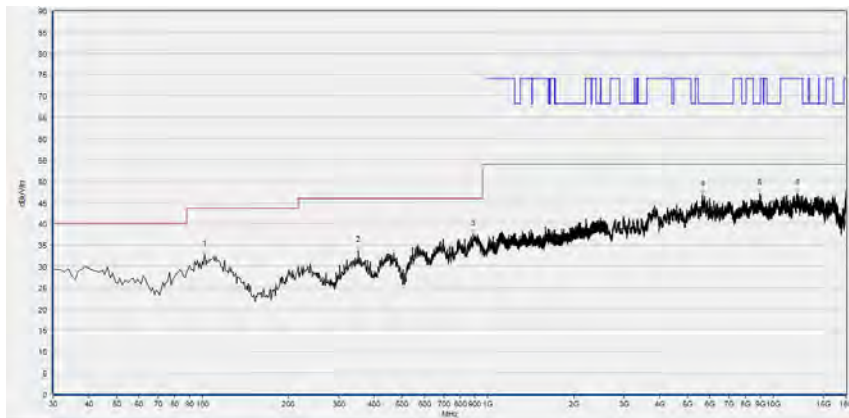


Plot for Channel 64



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
107.678	32.40	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
345.566	32.62	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
690.260	36.83	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5763.793	46.75	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
10320.024	47.17	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12162.232	48.01	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

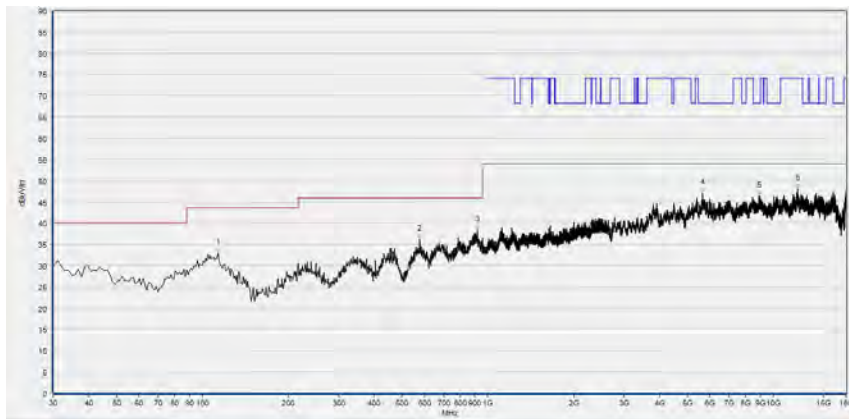
(Antenna Horizontal, 30MHz to 18GHz)



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	32.68	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
352.362	33.67	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
890.280	37.51	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5655.971	46.79	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8949.150	47.02	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12174.555	47.09	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

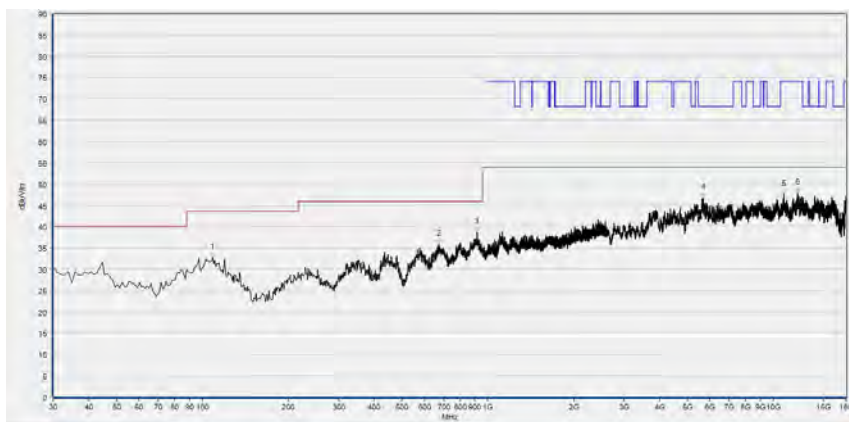
(Antenna Vertical, 30MHz to 18GHz)

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
113.504	32.94	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
577.628	36.22	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
919.409	38.40	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5640.568	47.04	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8893.699	46.42	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12193.039	48.04	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

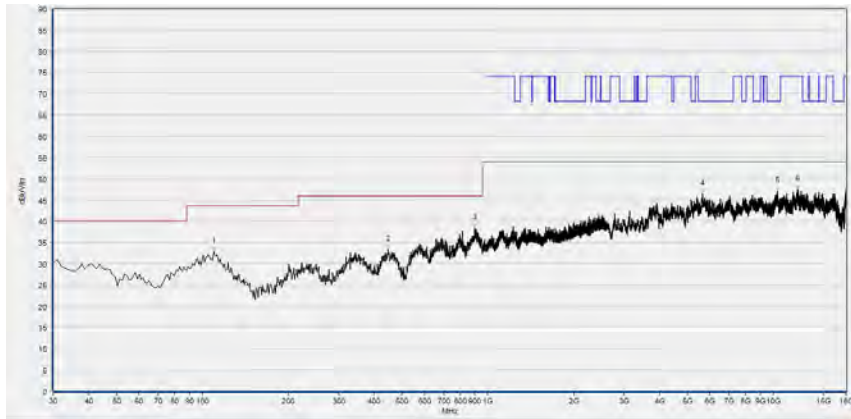
(Antenna Horizontal, 30MHz to 18GHz)



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
108.649	32.70	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
674.725	35.82	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
916.496	38.65	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5699.100	46.79	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
10896.099	47.68	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12146.829	47.91	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

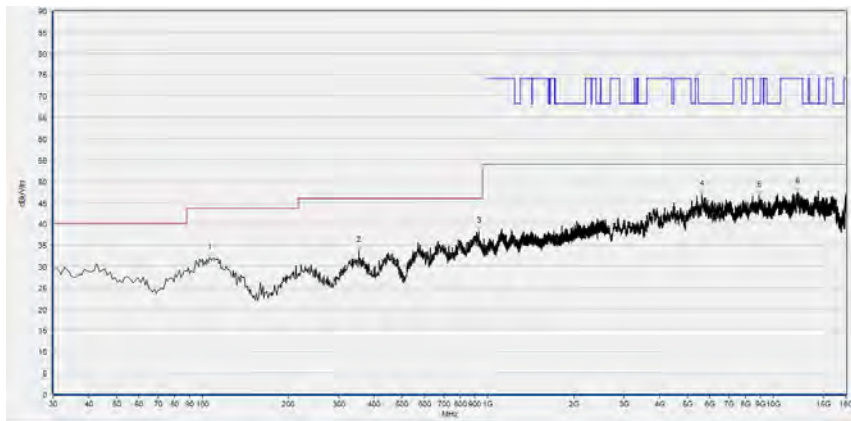
(Antenna Vertical, 30MHz to 18GHz)

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
109.620	32.81	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
446.547	33.31	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
900.961	38.39	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
10329.266	47.16	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12165.313	47.35	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

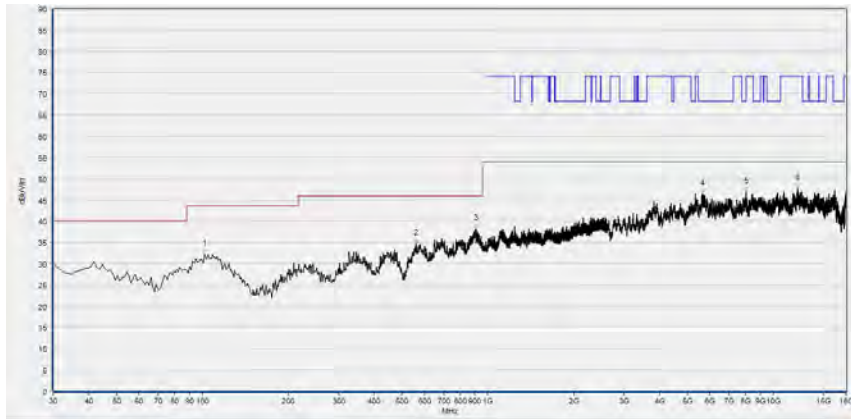
(Antenna Horizontal, 30MHz to 18GHz)



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	32.06	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
353.333	33.66	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
930.090	38.25	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5625.165	46.95	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8909.102	46.55	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12156.071	47.51	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

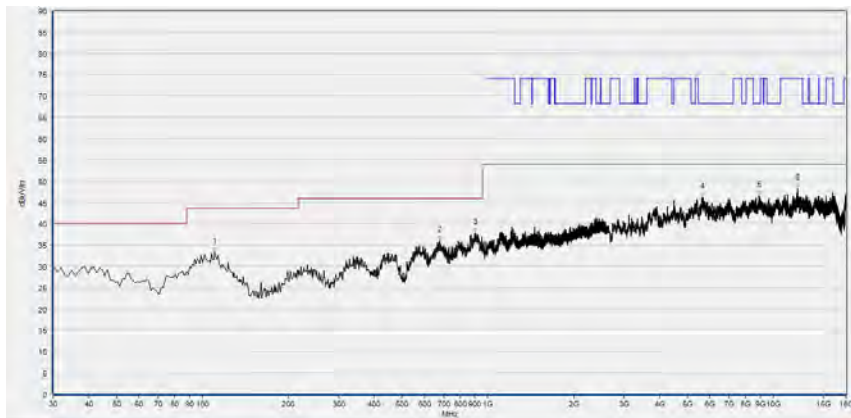
(Antenna Vertical, 30MHz to 18GHz)

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
101.852	32.14	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
562.092	34.67	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
911.642	38.29	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5649.810	46.37	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8015.723	46.93	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12149.910	47.80	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

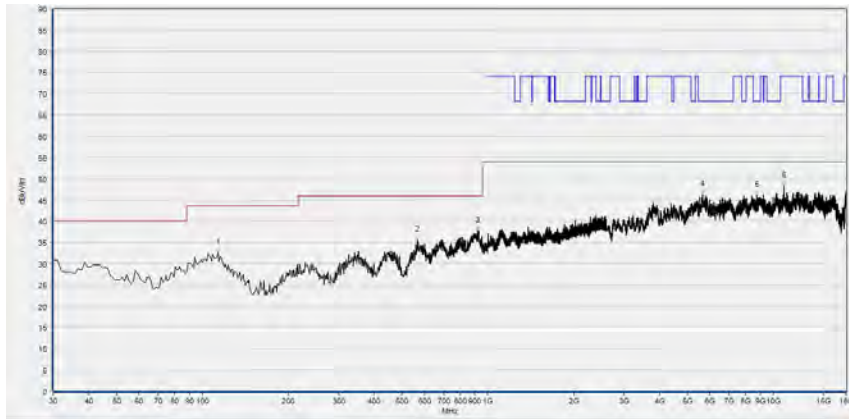


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
110.591	33.32	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
679.580	35.99	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
902.903	37.94	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5652.891	46.20	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8906.021	46.55	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12168.394	48.26	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

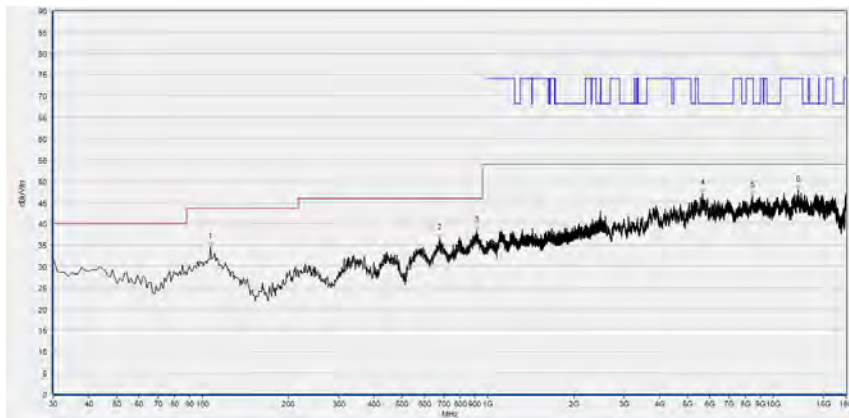


Plot for Channel 149



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
113.504	32.56	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
565.976	35.49	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
919.409	37.77	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5640.568	46.26	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8779.716	46.07	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
10908.422	48.29	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

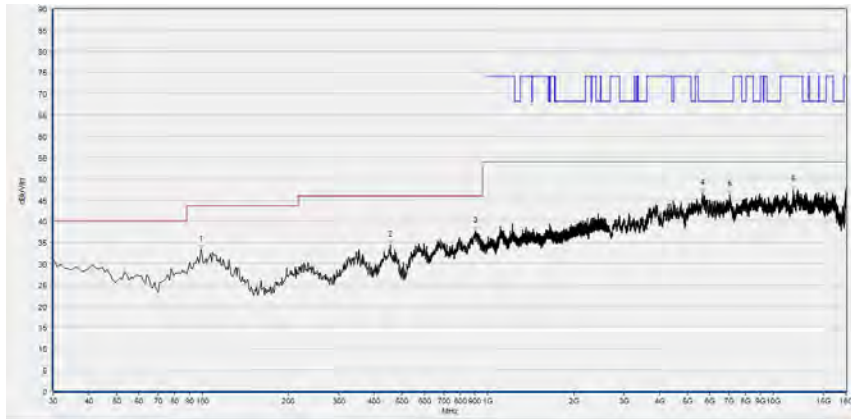
(Antenna Horizontal, 30MHz to 18GHz)



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	34.57	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
679.580	36.52	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
916.496	38.34	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5652.891	47.07	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8440.848	46.61	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12205.361	47.94	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

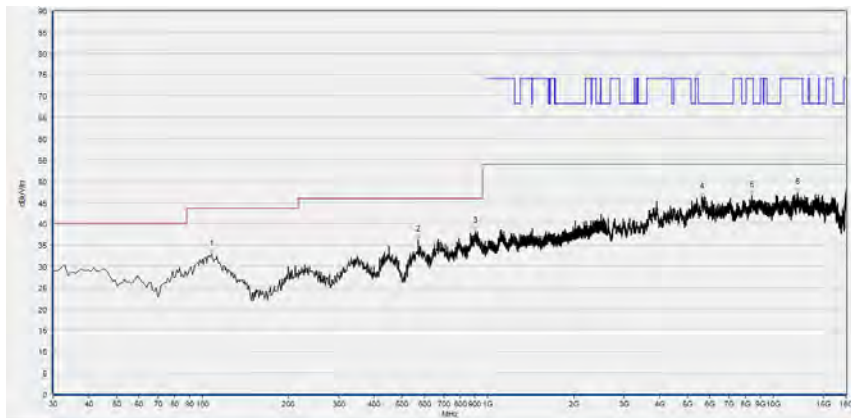
(Antenna Vertical, 30MHz to 18GHz)

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
98.939	33.29	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
455.285	34.40	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
901.932	37.63	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5649.810	46.60	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
7020.684	46.32	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
11727.866	47.39	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

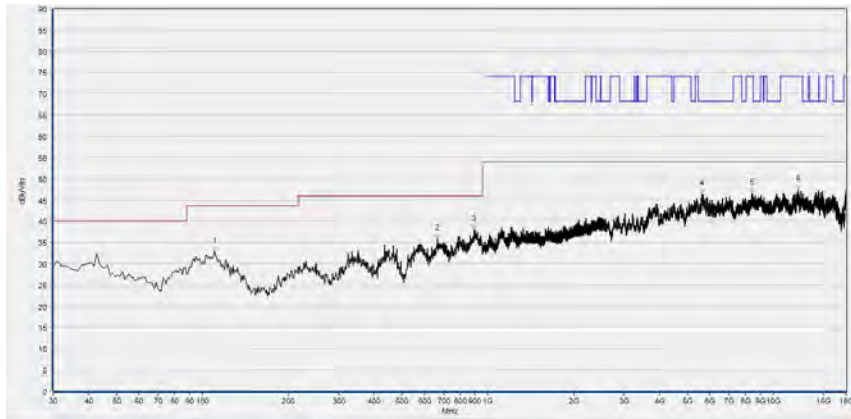
(Antenna Horizontal, 30MHz to 18GHz)



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
107.678	32.84	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
570.831	36.20	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
906.787	38.14	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5625.165	46.27	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8400.800	46.63	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12146.829	47.23	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

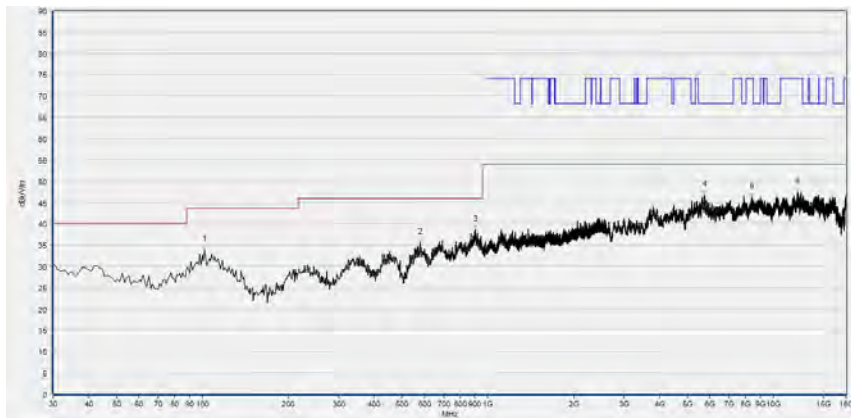
(Antenna Vertical, 30MHz to 18GHz)

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
110.591	32.83	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
665.986	35.92	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
896.106	38.02	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5625.165	46.42	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8434.687	46.62	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)



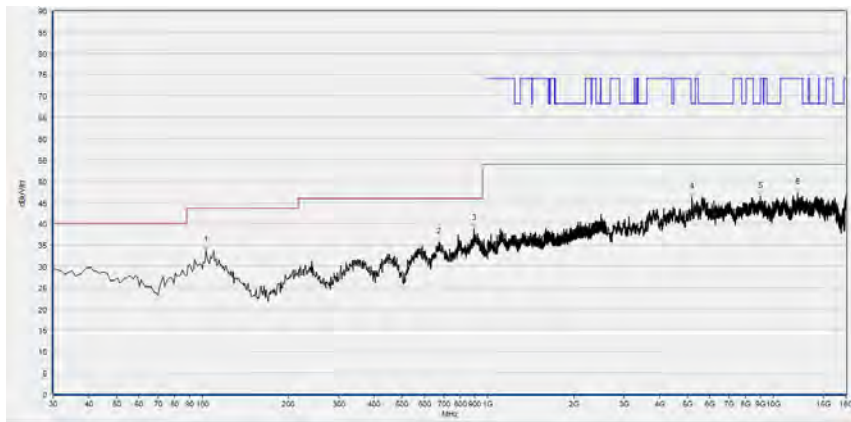
Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
101.852	33.89	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
578.599	35.48	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
902.903	38.48	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5736.067	46.80	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8416.203	46.30	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12143.749	47.42	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)



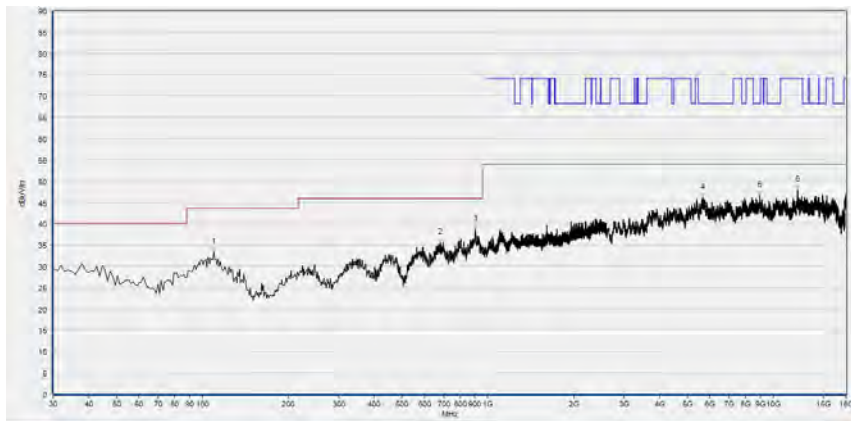
**802.11n (HT40) mode**

**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
102.823	33.61	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
675.696	35.74	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
893.193	38.88	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5190.798	46.21	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9029.246	46.41	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12165.313	47.21	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

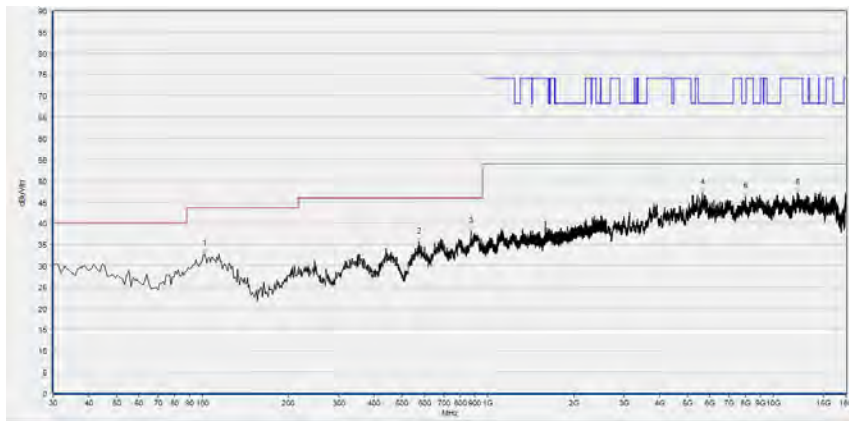


Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
109.620	33.38	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
682.492	35.46	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
901.932	38.68	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5646.729	46.05	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8970.714	46.65	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12168.394	47.85	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

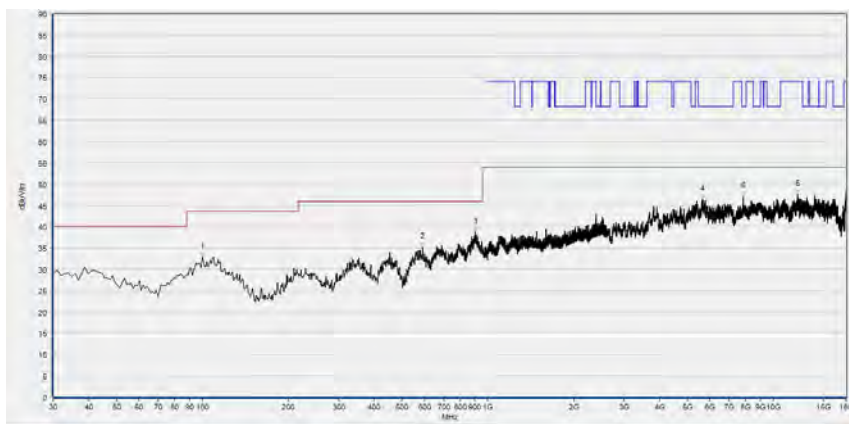


Plot for Channel 46



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
101.852	32.66	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
573.744	35.56	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
871.832	37.99	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5649.810	47.12	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8009.562	46.24	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12152.991	47.03	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

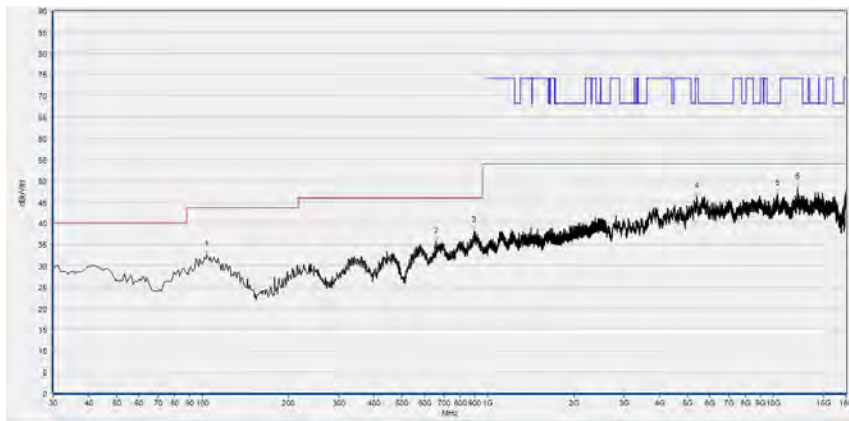
(Antenna Horizontal, 30MHz to 18GHz)



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	32.81	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
591.221	35.12	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
904.845	38.66	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5668.294	46.37	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
7840.128	47.06	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12152.991	47.55	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

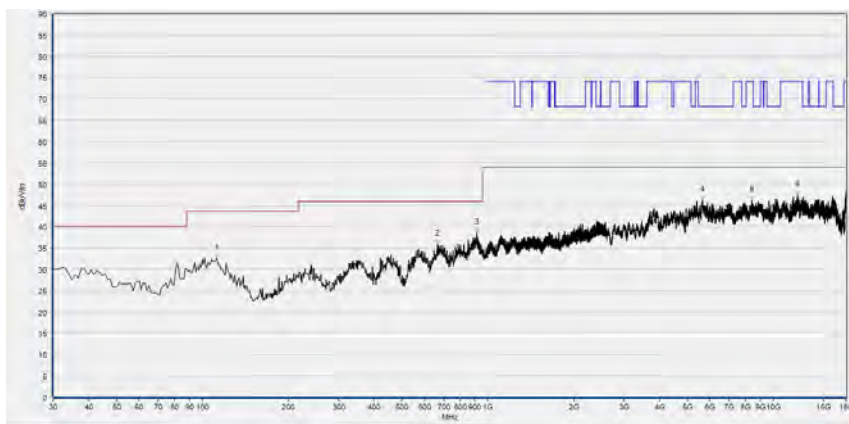
(Antenna Vertical, 30MHz to 18GHz)

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
103.794	32.54	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
660.160	35.66	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
896.106	38.26	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5400.280	46.20	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10332.346	46.98	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12149.910	48.37	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

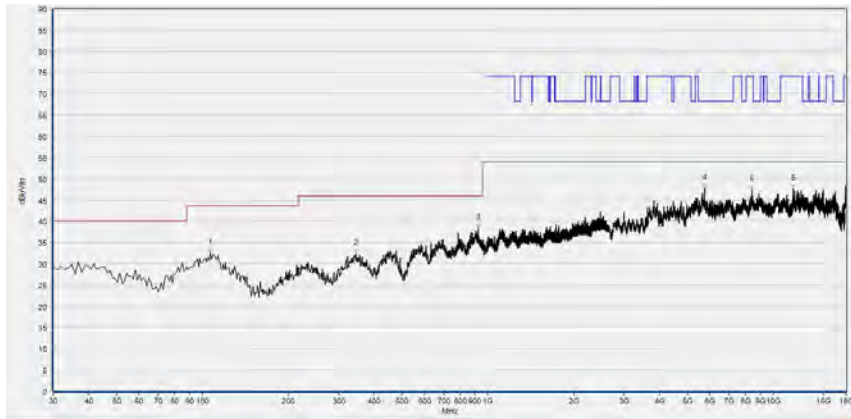
(Antenna Horizontal, 30MHz to 18GHz)



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
112.533	32.51	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
666.957	35.87	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
915.526	38.50	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5646.729	46.22	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8413.123	46.26	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12174.555	47.50	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

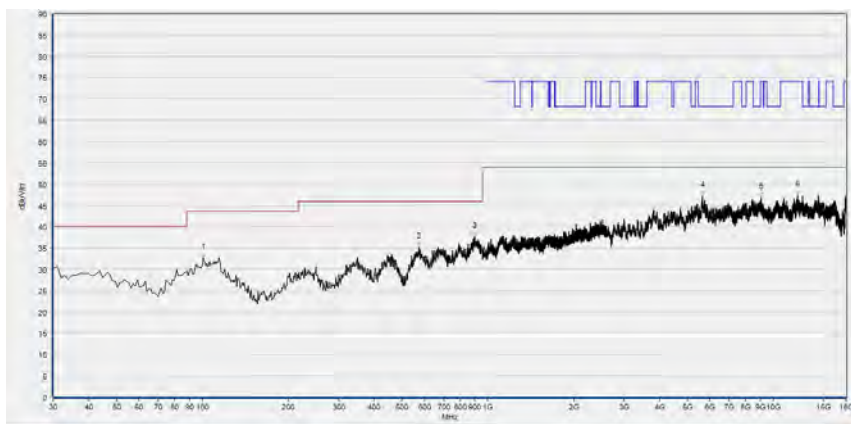
(Antenna Vertical, 30MHz to 18GHz)

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
106.707	32.45	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
344.595	32.37	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
925.235	38.30	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5751.470	47.71	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8428.526	47.40	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
11730.946	47.56	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

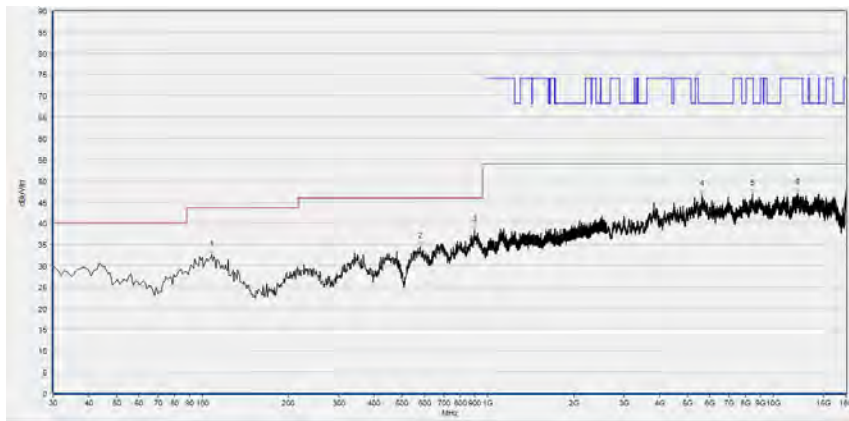
(Antenna Horizontal, 30MHz to 18GHz)



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
100.881	32.75	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
572.773	35.12	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
899.019	37.75	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5637.487	47.23	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
9072.374	46.90	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12168.394	47.40	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

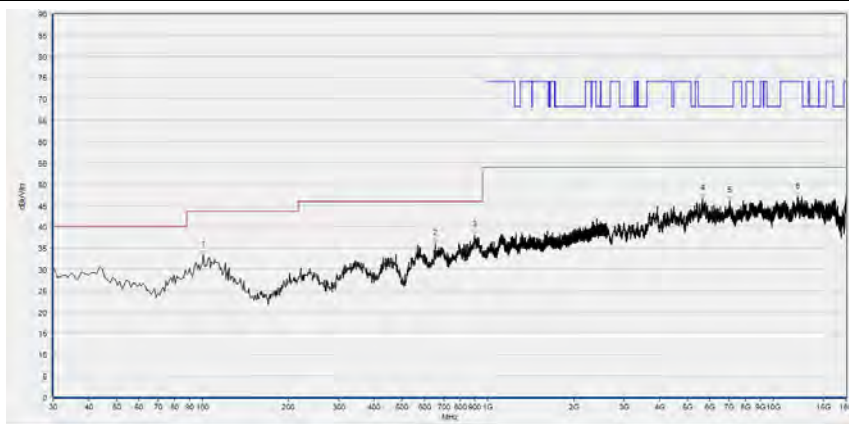
(Antenna Vertical, 30MHz to 18GHz)

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
107.678	32.53	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
579.570	34.55	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
897.077	38.40	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5634.407	46.70	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8456.251	46.89	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12162.232	47.12	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

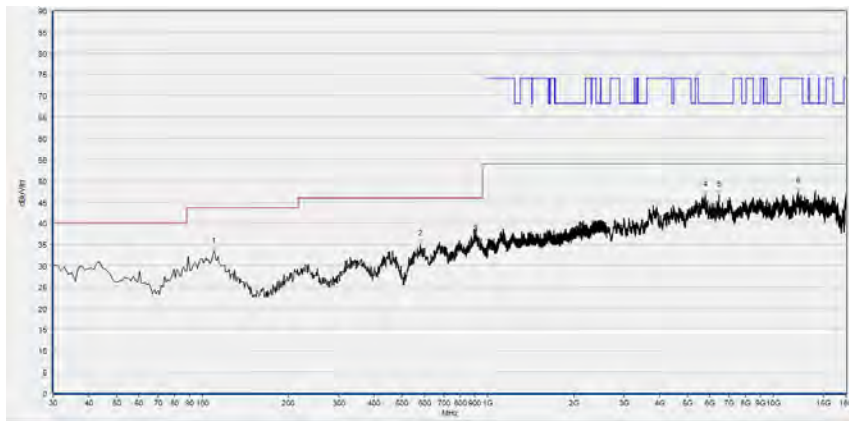


Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
100.881	33.37	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
655.305	36.08	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
897.077	37.99	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5662.132	46.66	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
7039.168	46.12	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12156.071	46.85	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

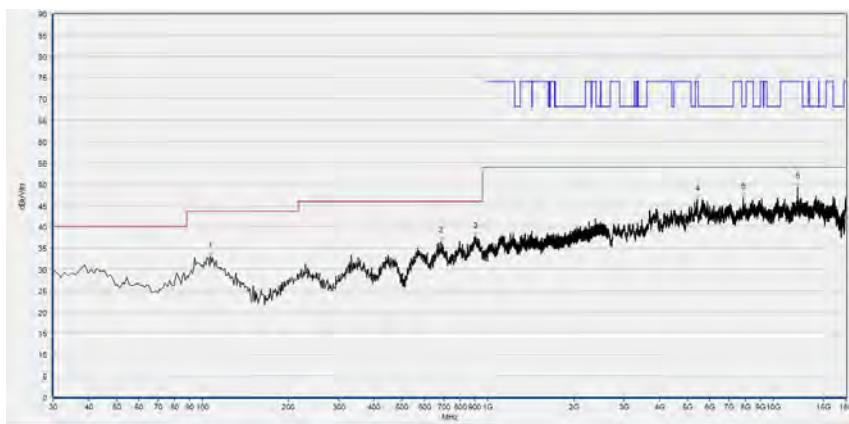


Plot for Channel 126



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
109.620	33.35	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
579.570	35.07	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
903.874	38.49	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5769.954	46.59	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
6447.690	46.66	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12226.925	47.40	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

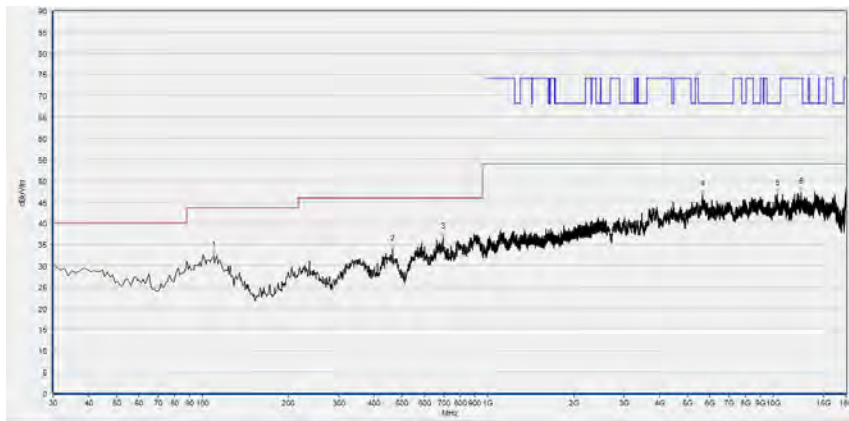
(Antenna Horizontal, 30MHz to 18GHz)



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	33.03	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
686.376	36.53	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
902.903	37.78	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5415.683	46.41	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
7858.612	46.95	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12193.039	49.22	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

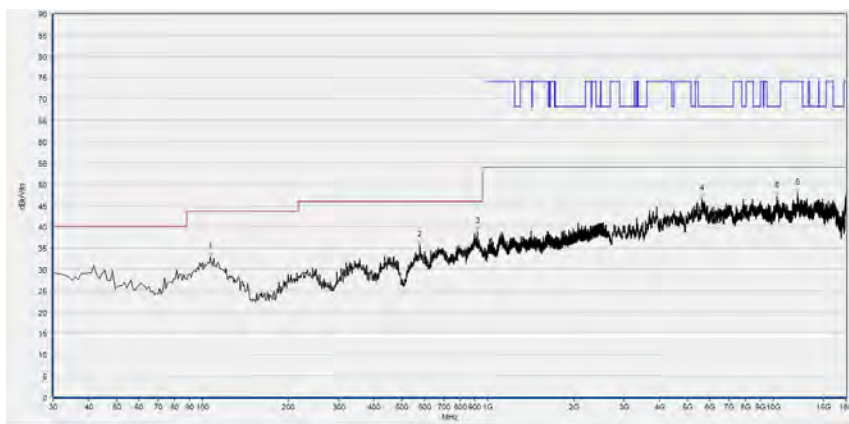
(Antenna Vertical, 30MHz to 18GHz)

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
109.620	32.39	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
464.024	33.90	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
696.086	36.70	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5649.810	46.68	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
10323.105	46.86	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12522.665	47.18	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

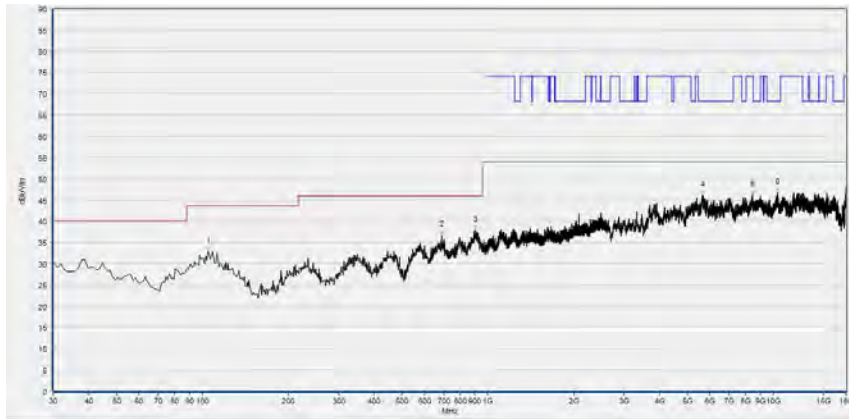
(Antenna Horizontal, 30MHz to 18GHz)



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	32.89	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
577.628	35.73	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
917.467	38.85	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5634.407	46.53	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
10286.137	47.02	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12146.829	47.99	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

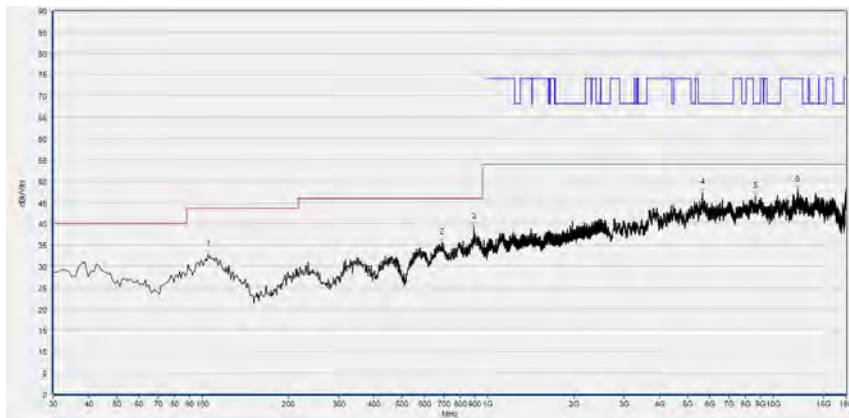
(Antenna Vertical, 30MHz to 18GHz)

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
104.765	32.85	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
688.318	36.62	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
902.903	37.88	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5637.487	46.05	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8440.848	46.25	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10332.346	46.69	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

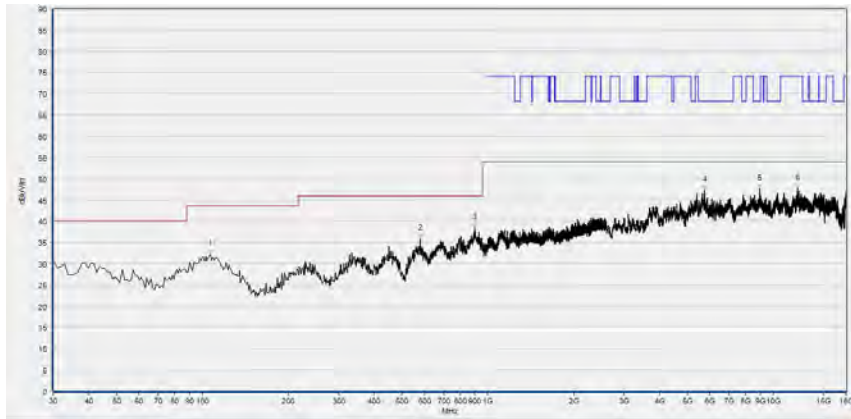
(Antenna Horizontal, 30MHz to 18GHz)



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
104.765	32.75	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
690.260	35.56	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
895.135	39.21	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5649.810	47.26	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8634.927	46.39	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12196.119	47.95	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

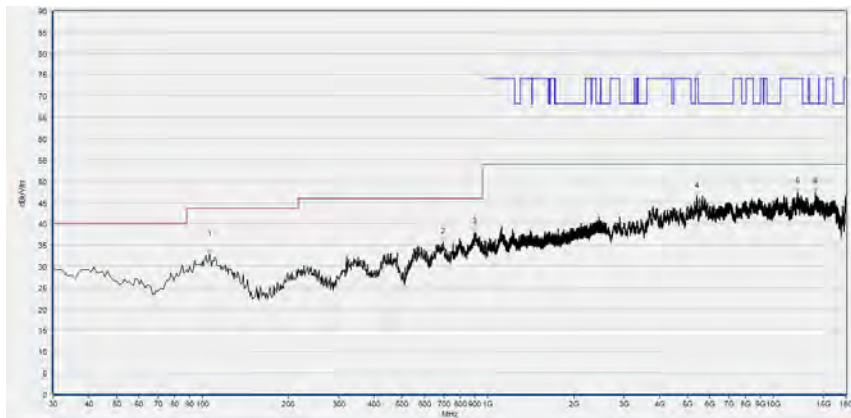
(Antenna Vertical, 30MHz to 18GHz)

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
106.707	32.16	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
580.541	35.80	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
900.961	38.41	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5745.309	47.28	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8979.956	47.66	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12193.039	47.70	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	32.90	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
697.057	35.65	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
900.961	38.04	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5391.038	46.36	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12186.877	47.42	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
14010.602	47.38	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

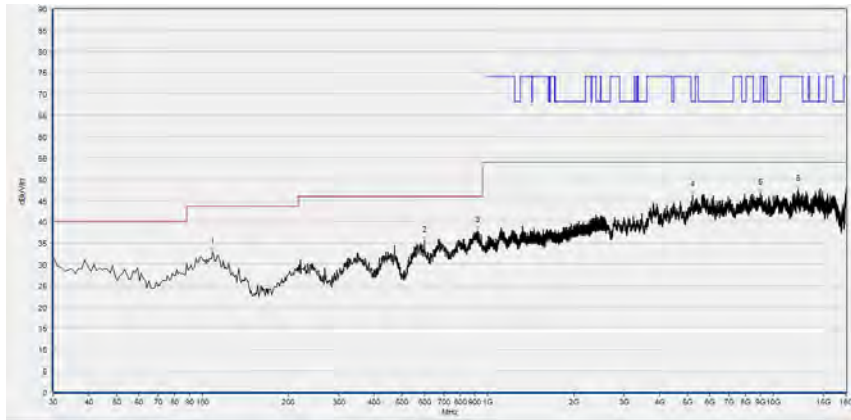
(Antenna Vertical, 30MHz to 18GHz)





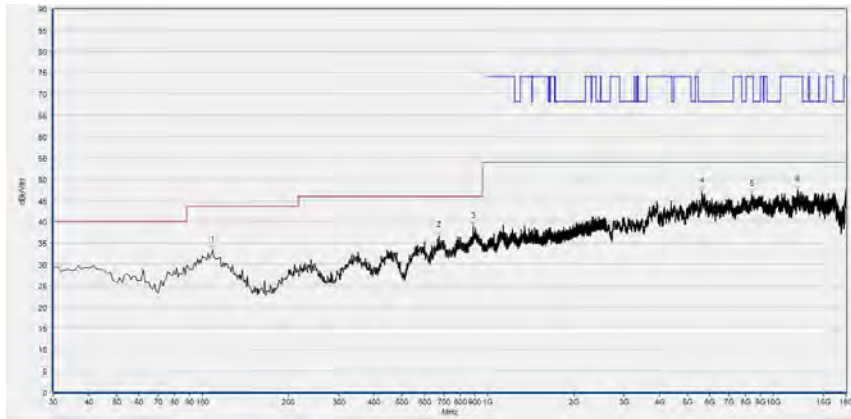
**802.11ac (VHT80) Mode**

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
108.649	32.93	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
598.989	35.49	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
920.380	37.89	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5203.121	46.33	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
9016.923	46.82	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12208.442	47.64	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

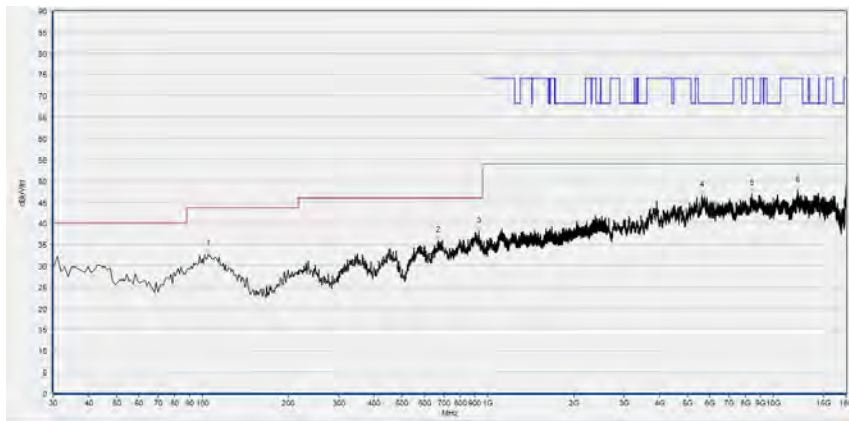
(Antenna Horizontal, 30MHz to 18GHz)



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
108.649	33.28	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
672.783	36.65	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
890.280	38.81	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5634.407	47.08	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8428.526	46.40	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12177.636	47.46	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

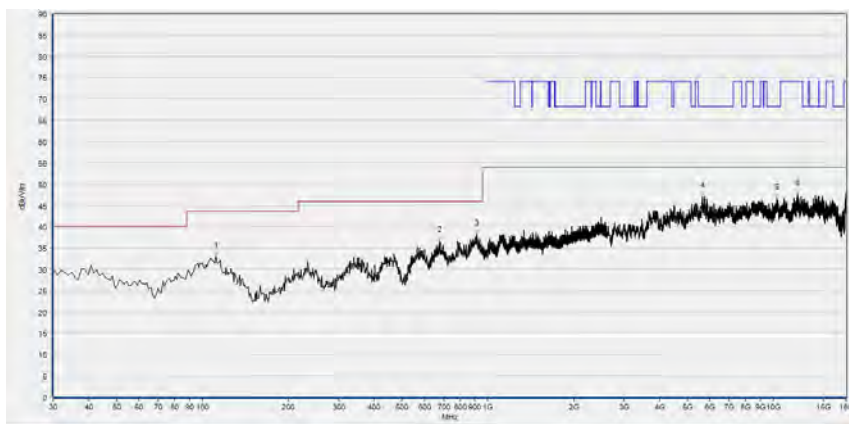
(Antenna Vertical, 30MHz to 18GHz)

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
104.765	32.67	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
671.812	35.81	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
929.119	37.99	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5631.326	46.51	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8425.445	46.93	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12165.313	47.81	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

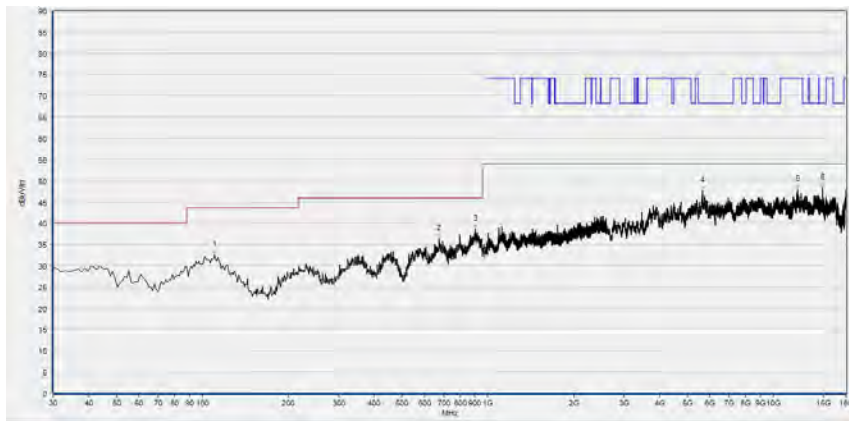
(Antenna Horizontal, 30MHz to 18GHz)



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
111.562	33.07	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
679.580	36.73	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
914.555	38.19	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5640.568	47.16	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
10313.863	46.77	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
12162.232	47.72	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

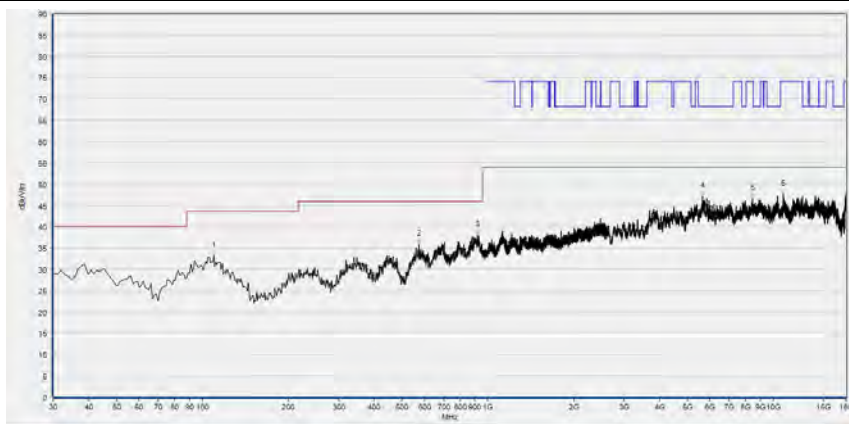
(Antenna Vertical, 30MHz to 18GHz)

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
110.591	32.55	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
675.696	36.40	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
905.816	38.59	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5659.052	47.58	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12146.829	47.86	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
14870.094	48.29	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

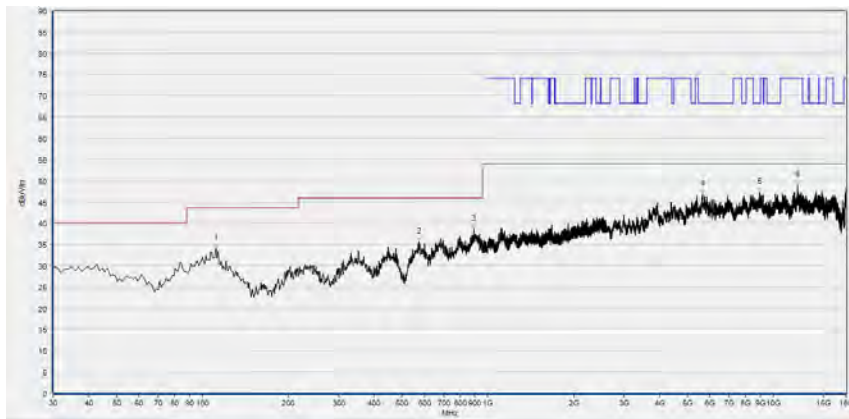
(Antenna Horizontal, 30MHz to 18GHz)



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
109.620	33.15	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
574.715	35.86	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
921.351	38.01	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5649.810	47.13	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8456.251	46.56	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
10843.729	47.52	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

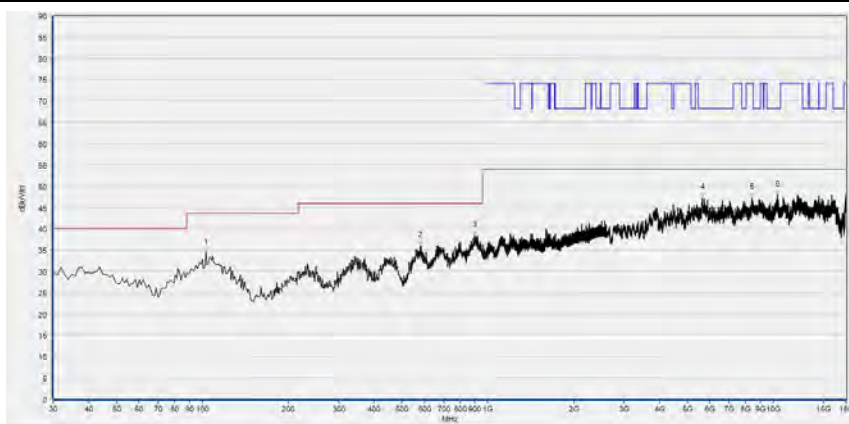
(Antenna Vertical, 30MHz to 18GHz)

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
111.562	33.95	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
572.773	35.49	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
895.135	38.57	N/A	N/A <td N/A	46.00	N/A	Horizontal	PASS	
5646.729	46.79	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8973.795	47.21	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12183.797	48.97	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

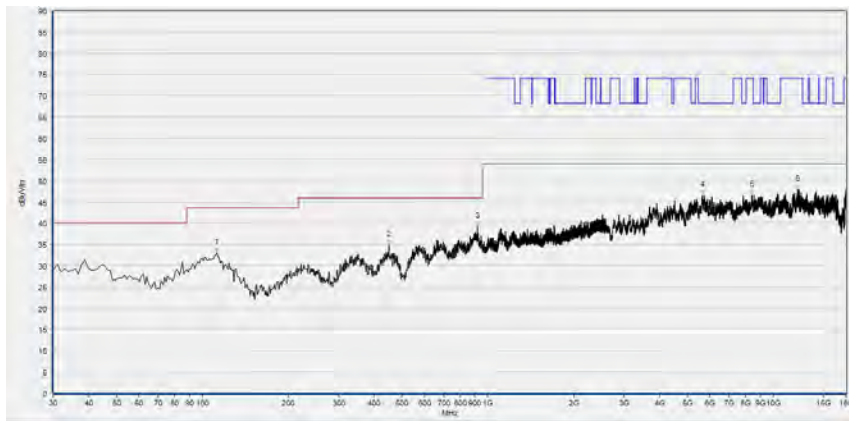


Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
102.823	34.32	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
579.570	36.04	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
899.019	38.45	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5640.568	47.20	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8419.284	47.19	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
10350.830	47.94	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

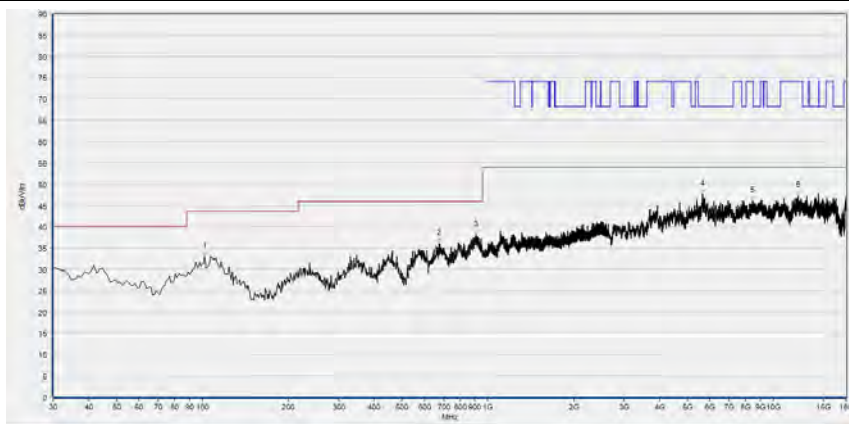


Plot for Channel 138



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
112.533	33.00	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
450.430	34.88	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
919.409	39.27	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5659.052	46.66	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
8394.639	46.56	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
12196.119	47.90	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

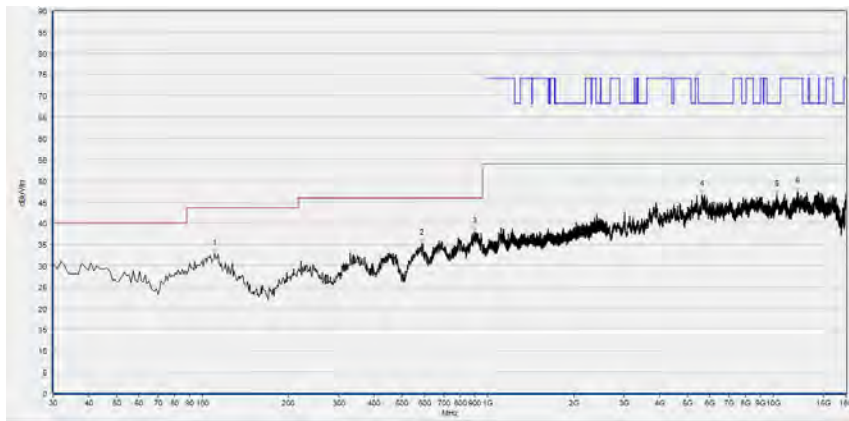
(Antenna Horizontal, 30MHz to 18GHz)



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	33.03	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
675.696	36.01	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
911.642	38.07	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5652.891	47.52	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8437.768	46.10	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12199.200	47.30	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

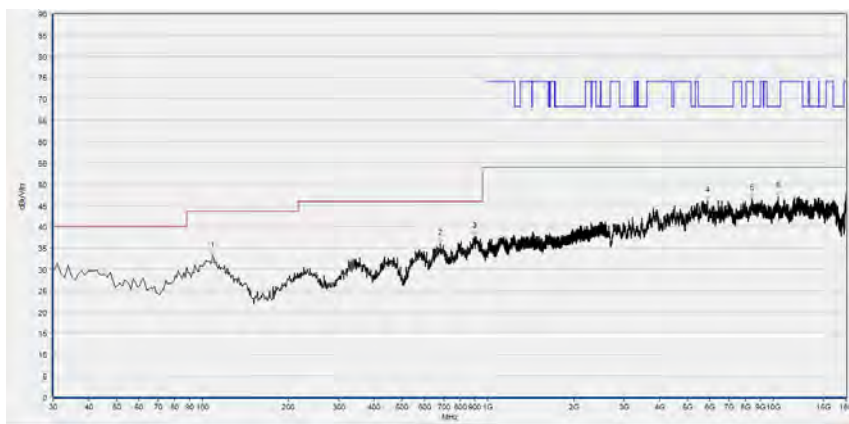
(Antenna Vertical, 30MHz to 18GHz)

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
110.591	32.77	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
586.366	35.17	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
900.961	38.03	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5628.246	46.70	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
10276.895	46.78	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12149.910	47.45	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)



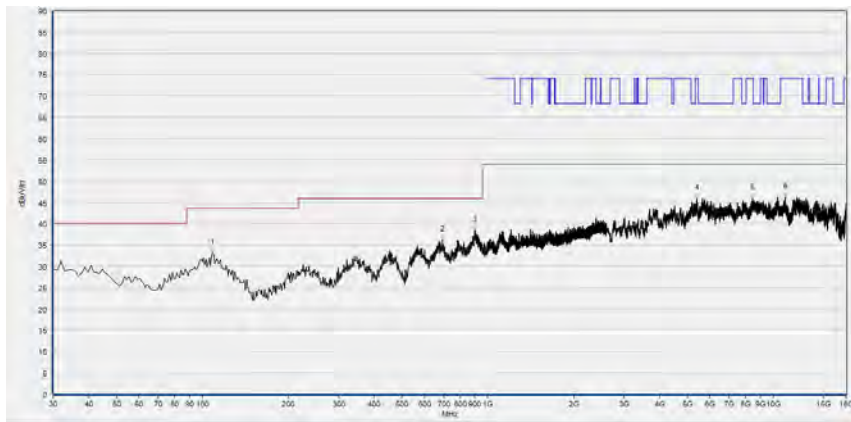
Fre. (MHz)	PK (dBµV/m)	QP (dBµV/m)	AV (dBµV/m)	Limit-PK (dBµV/m)	Limit-QP (dBµV/m)	Limit-AV (dBµV/m)	Antenna	Verdict
108.649	33.25	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
682.492	36.10	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
898.048	37.65	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5877.776	46.08	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8428.526	46.55	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
10409.362	47.03	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)



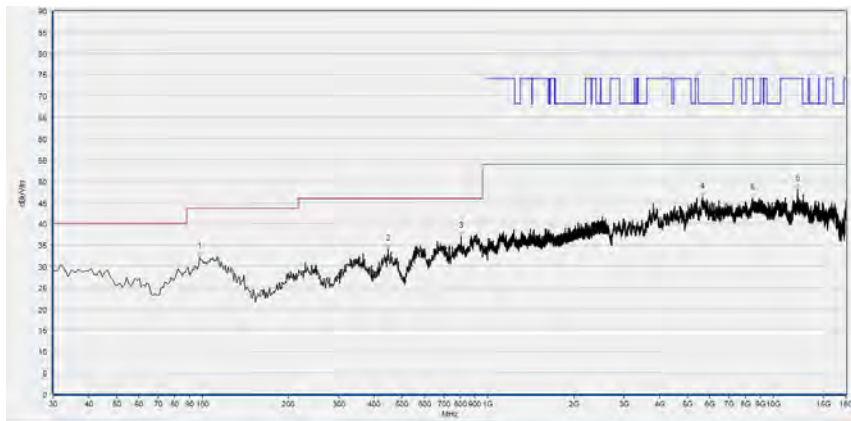
**802.11ac (VHT160) Mode**

Plot for Channel 50



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	33.18	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
694.144	36.27	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
900.961	38.43	N/A	N/A	N/A	46.00	N/A	Horizontal	PASS
5397.199	45.88	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
8468.574	45.94	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
10997.760	46.32	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

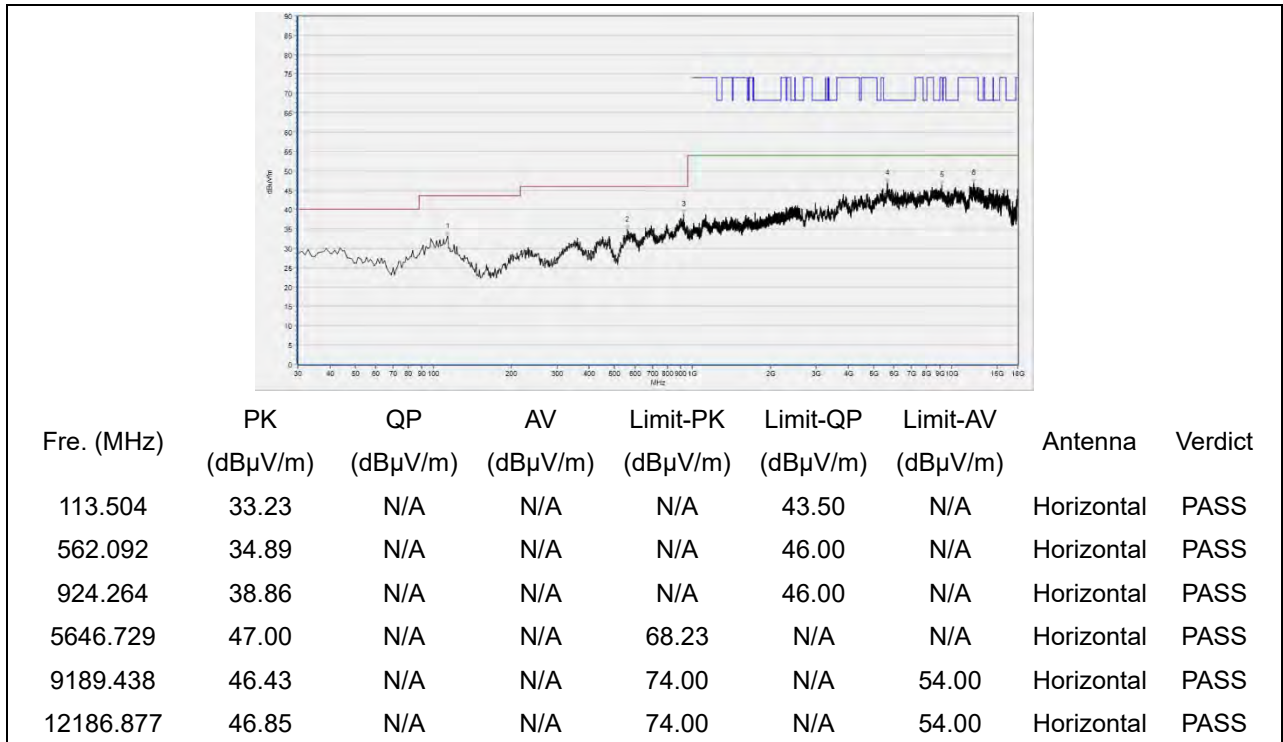


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
97.968	32.16	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
447.518	34.04	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
806.777	37.06	N/A	N/A	N/A	46.00	N/A	Vertical	PASS
5659.052	46.18	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8447.009	45.86	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
12140.668	48.17	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

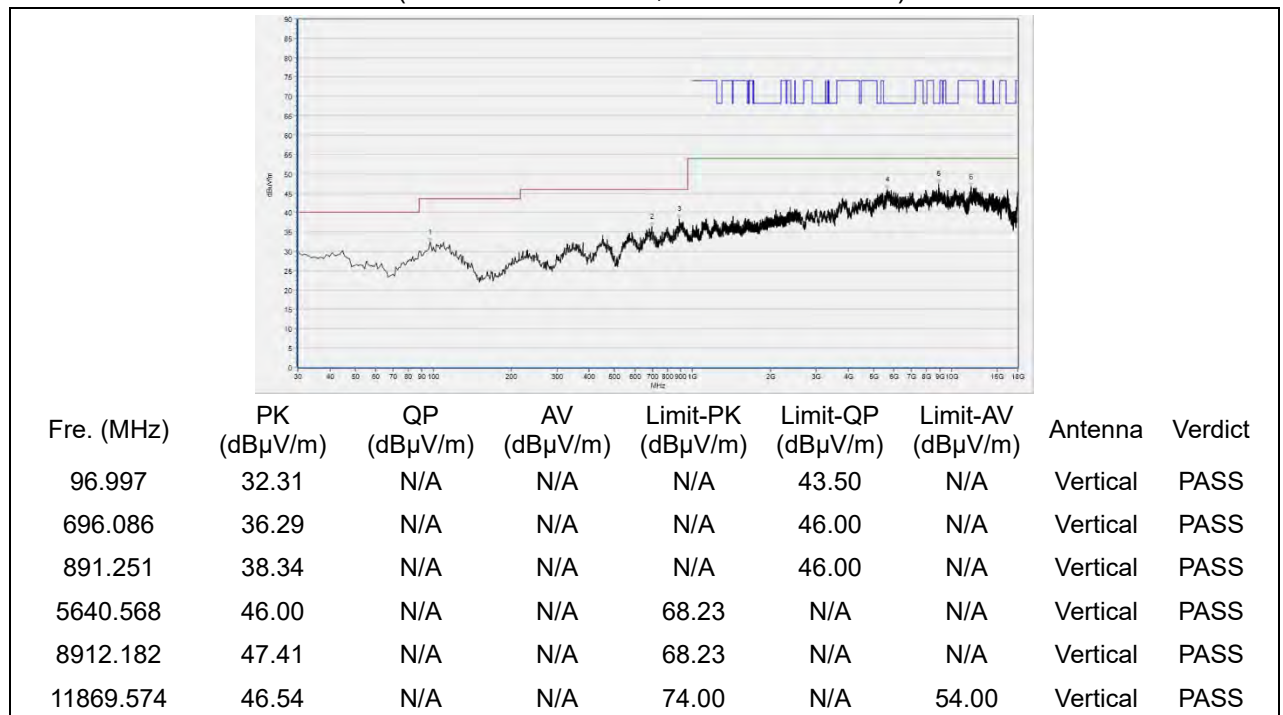
(Antenna Vertical, 30MHz to 18GHz)



Plot for Channel 114



(Antenna Horizontal, 30MHz to 18GHz)



(Antenna Vertical, 30MHz to 18GHz)

— END OF REPORT —