



PSD NVNT ax80 484@65 5210MHz Ant3 MIMO



PSD NVNT ax80 484@65 5210MHz Ant4 MIMO





PSD NVNT ax80 484@65 5290MHz Ant1 MIMO



PSD NVNT ax80 484@65 5290MHz Ant2 MIMO



PSD NVNT ax80 484@65 5290MHz Ant3 MIMO



PSD NVNT ax80 484@65 5290MHz Ant4 MIMO





PSD NVNT ax80 484@65 5530MHz Ant1 MIMO



PSD NVNT ax80 484@65 5530MHz Ant2 MIMO





PSD NVNT ax80 484@65 5530MHz Ant3 MIMO



PSD NVNT ax80 484@65 5530MHz Ant4 MIMO



PSD NVNT ax80 484@65 5775MHz Ant1 MIMO



PSD NVNT ax80 484@65 5775MHz Ant2 MIMO





PSD NVNT ax80 484@65 5775MHz Ant3 MIMO



PSD NVNT ax80 484@65 5775MHz Ant4 MIMO



PSD NVNT ax160 52@74 5250MHz Ant1 MIMO



PSD NVNT ax160 52@74 5250MHz Ant2 MIMO





PSD NVNT ax160 52@74 5250MHz Ant3 MIMO



PSD NVNT ax160 52@74 5250MHz Ant4 MIMO





PSD NVNT ax160 52@74 5570MHz Ant1 MIMO



PSD NVNT ax160 52@74 5570MHz Ant2 MIMO



PSD NVNT ax160 52@74 5570MHz Ant3 MIMO



PSD NVNT ax160 52@74 5570MHz Ant4 MIMO





PSD NVNT ax160 106@106 5250MHz Ant1 MIMO

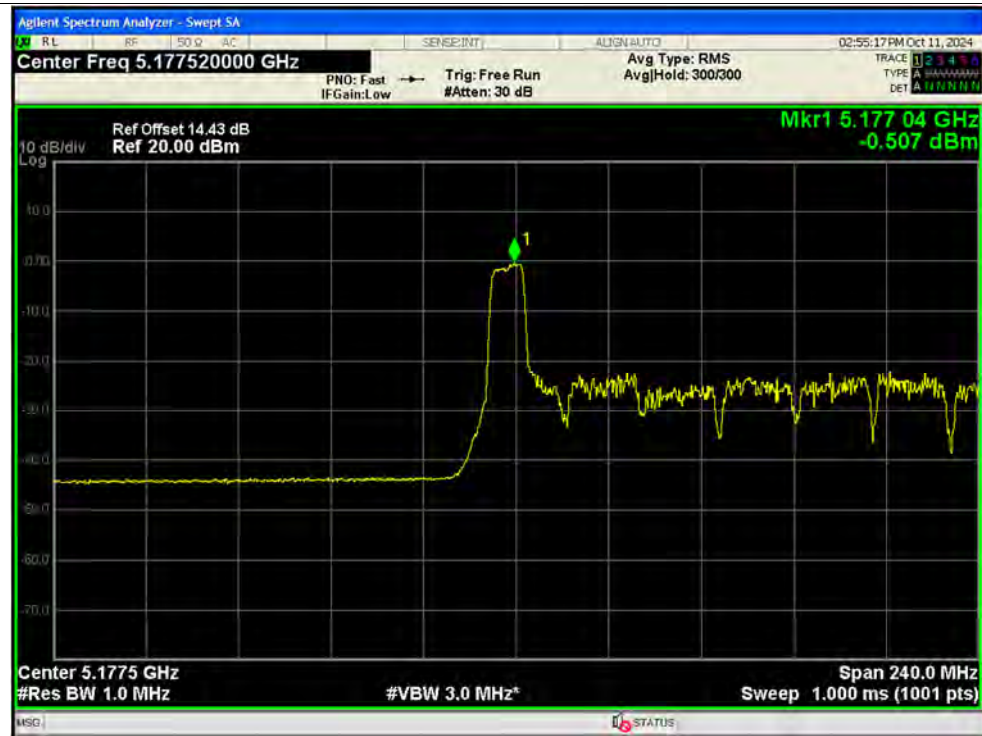


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PSD NVNT ax160 106@106 5250MHz Ant3 MIMO



PSD NVNT ax160 106@106 5250MHz Ant4 MIMO



PSD NVNT ax160 106@106 5570MHz Ant1 MIMO



PSD NVNT ax160 106@106 5570MHz Ant2 MIMO



PSD NVNT ax160 106@106 5570MHz Ant3 MIMO



PSD NVNT ax160 106@106 5570MHz Ant4 MIMO





PSD NVNT ax160 242@122 5250MHz Ant1 MIMO



PSD NVNT ax160 242@122 5250MHz Ant2 MIMO





PSD NVNT ax160 242@122 5250MHz Ant3 MIMO



PSD NVNT ax160 242@122 5250MHz Ant4 MIMO



PSD NVNT ax160 242@122 5570MHz Ant1 MIMO



PSD NVNT ax160 242@122 5570MHz Ant2 MIMO





PSD NVNT ax160 242@122 5570MHz Ant3 MIMO



PSD NVNT ax160 242@122 5570MHz Ant4 MIMO





PSD NVNT ax160 966@134 5250MHz Ant1 MIMO



PSD NVNT ax160 966@134 5250MHz Ant2 MIMO





PSD NVNT ax160 966@134 5250MHz Ant3 MIMO



PSD NVNT ax160 966@134 5250MHz Ant4 MIMO





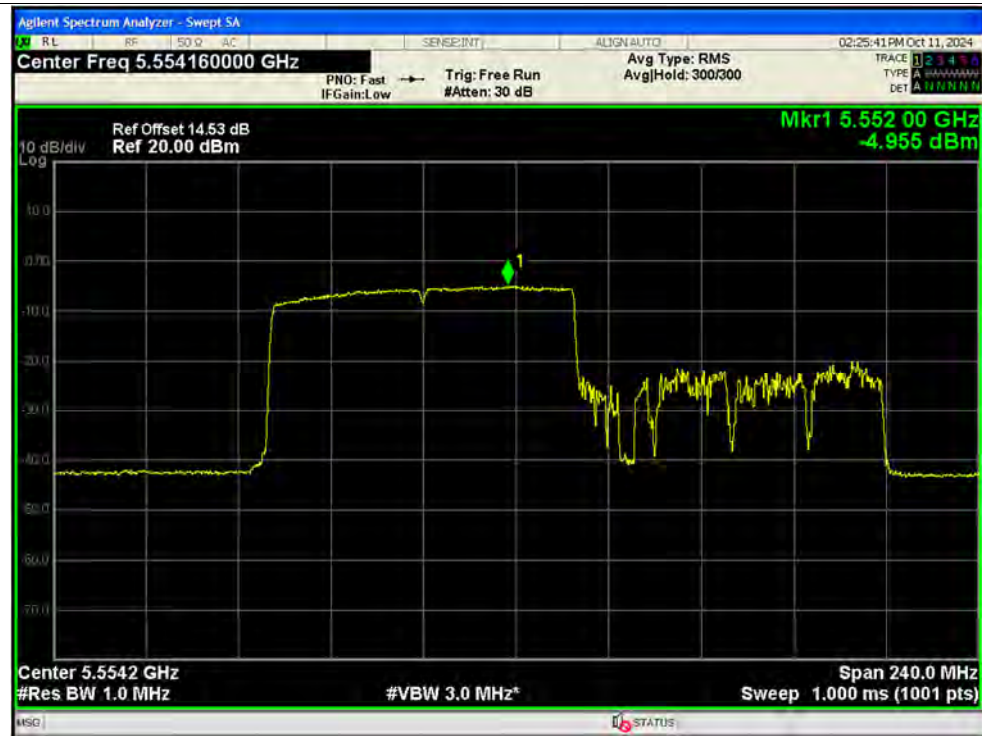
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PSD NVNT ax160 966@134 5570MHz Ant2 MIMO



PSD NVNT ax160 966@134 5570MHz Ant3 MIMO



PSD NVNT ax160 966@134 5570MHz Ant4 MIMO



**A.5. Frequency Stability**

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
20C 10.8V	Carrier	5180	Ant1	5180.015	15000	2.9	25	Pass
20C 12V	Carrier	5180	Ant1	5180.014	14000	2.7	25	Pass
20C 13.2V	Carrier	5180	Ant1	5180.014	14000	2.7	25	Pass
-10C 12V	Carrier	5180	Ant1	5180.014	14000	2.7	25	Pass
0C 12V	Carrier	5180	Ant1	5180.014	14000	2.7	25	Pass
10C 12V	Carrier	5180	Ant1	5180.014	14000	2.7	25	Pass
30C 12V	Carrier	5180	Ant1	5180.014	14000	2.7	25	Pass
40C 12V	Carrier	5180	Ant1	5180.014	14000	2.7	25	Pass
45C 12V	Carrier	5180	Ant1	5180.013	13000	2.51	25	Pass
20C 10.8V	Carrier	5260	Ant1	5260.009	9000	1.71	25	Pass
20C 12V	Carrier	5260	Ant1	5260.008	8000	1.52	25	Pass
20C 13.2V	Carrier	5260	Ant1	5260.009	9000	1.71	25	Pass
-10C 12V	Carrier	5260	Ant1	5260.009	9000	1.71	25	Pass
0C 12V	Carrier	5260	Ant1	5260.008	8000	1.52	25	Pass
10C 12V	Carrier	5260	Ant1	5260.009	9000	1.71	25	Pass
30C 12V	Carrier	5260	Ant1	5260.008	8000	1.52	25	Pass
40C 12V	Carrier	5260	Ant1	5260.008	8000	1.52	25	Pass
45C 12V	Carrier	5260	Ant1	5260.008	8000	1.52	25	Pass
20C 10.8V	Carrier	5500	Ant1	5500.008	8000	1.45	25	Pass
20C 12V	Carrier	5500	Ant1	5500.008	8000	1.45	25	Pass
20C 13.2V	Carrier	5500	Ant1	5500.008	8000	1.45	25	Pass
-10C 12V	Carrier	5500	Ant1	5500.008	8000	1.45	25	Pass
0C 12V	Carrier	5500	Ant1	5500.008	8000	1.45	25	Pass
10C 12V	Carrier	5500	Ant1	5500.008	8000	1.45	25	Pass
30C 12V	Carrier	5500	Ant1	5500.007	7000	1.27	25	Pass
40C 12V	Carrier	5500	Ant1	5500.008	8000	1.45	25	Pass
45C 12V	Carrier	5500	Ant1	5500.007	7000	1.27	25	Pass
20C 10.8V	Carrier	5745	Ant1	5745.007	7000	1.22	25	Pass
20C 12V	Carrier	5745	Ant1	5745.007	7000	1.22	25	Pass
20C 13.2V	Carrier	5745	Ant1	5745.007	7000	1.22	25	Pass
-10C 12V	Carrier	5745	Ant1	5745.007	7000	1.22	25	Pass
0C 12V	Carrier	5745	Ant1	5745.007	7000	1.22	25	Pass
10C 12V	Carrier	5745	Ant1	5745.007	7000	1.22	25	Pass
30C 12V	Carrier	5745	Ant1	5745.007	7000	1.22	25	Pass



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40C 12V	Carrier	5745	Ant1	5745.007	7000	1.22	25	Pass
45C 12V	Carrier	5745	Ant1	5745.007	7000	1.22	25	Pass



A.6. Dynamic Frequency Selection

Detection Thresholds

Mode	Frequency (MHz)	Type	Result	Verdict
ax20	5260	DFS_FCC_T0	See test Graph	Pass
ax20	5260	DFS_FCC_T1000	See test Graph	Pass
ax20	5260	DFS_FCC_T2000	See test Graph	Pass
ax20	5260	DFS_FCC_T3000	See test Graph	Pass
ax20	5260	DFS_FCC_T4000	See test Graph	Pass
ax20	5260	DFS_FCC_T5000	See test Graph	Pass
ax20	5260	DFS_FCC_T6000	See test Graph	Pass
ax20	5500	DFS_FCC_T0	See test Graph	Pass
ax20	5500	DFS_FCC_T1000	See test Graph	Pass
ax20	5500	DFS_FCC_T2000	See test Graph	Pass
ax20	5500	DFS_FCC_T3000	See test Graph	Pass
ax20	5500	DFS_FCC_T4000	See test Graph	Pass
ax20	5500	DFS_FCC_T5000	See test Graph	Pass
ax20	5500	DFS_FCC_T6000	See test Graph	Pass
ax40	5270	DFS_FCC_T0	See test Graph	Pass
ax40	5270	DFS_FCC_T1000	See test Graph	Pass
ax40	5270	DFS_FCC_T2000	See test Graph	Pass
ax40	5270	DFS_FCC_T3000	See test Graph	Pass
ax40	5270	DFS_FCC_T4000	See test Graph	Pass
ax40	5270	DFS_FCC_T5000	See test Graph	Pass
ax40	5270	DFS_FCC_T6000	See test Graph	Pass
ax40	5510	DFS_FCC_T0	See test Graph	Pass
ax40	5510	DFS_FCC_T1000	See test Graph	Pass
ax40	5510	DFS_FCC_T2000	See test Graph	Pass
ax40	5510	DFS_FCC_T3000	See test Graph	Pass
ax40	5510	DFS_FCC_T4000	See test Graph	Pass
ax40	5510	DFS_FCC_T5000	See test Graph	Pass
ax40	5510	DFS_FCC_T6000	See test Graph	Pass
ax80	5290	DFS_FCC_T0	See test Graph	Pass
ax80	5290	DFS_FCC_T1000	See test Graph	Pass
ax80	5290	DFS_FCC_T2000	See test Graph	Pass
ax80	5290	DFS_FCC_T3000	See test Graph	Pass
ax80	5290	DFS_FCC_T4000	See test Graph	Pass
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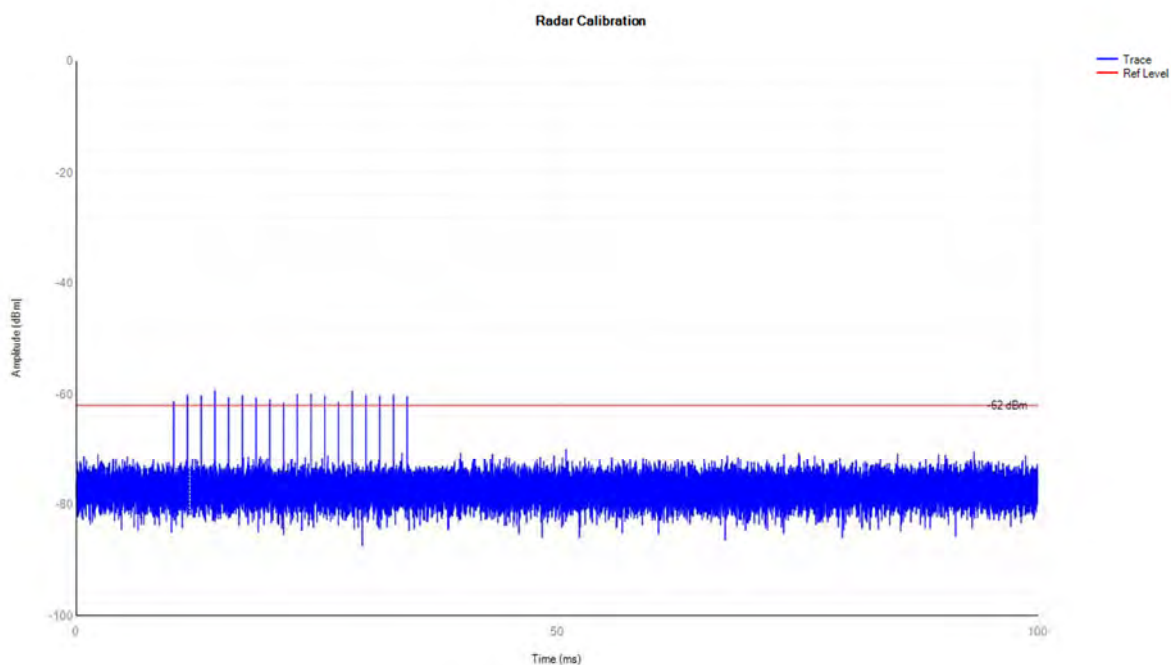


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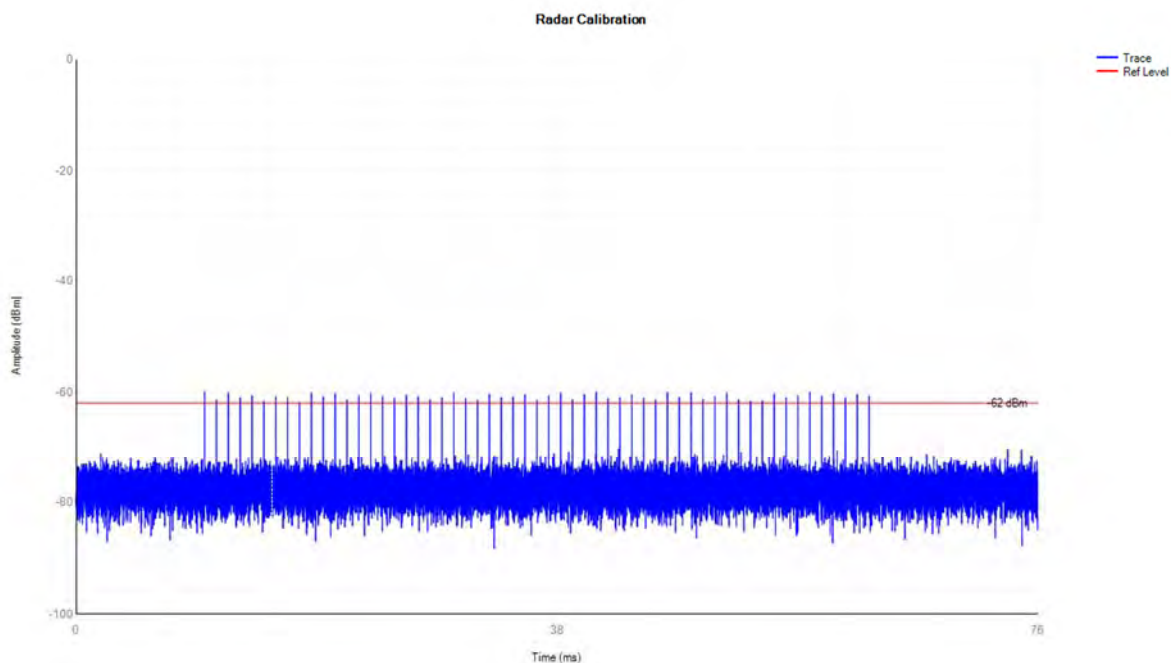
ax80	5530	DFS_FCC_T0	See test Graph	Pass
ax80	5530	DFS_FCC_T1000	See test Graph	Pass
ax80	5530	DFS_FCC_T2000	See test Graph	Pass
ax80	5530	DFS_FCC_T3000	See test Graph	Pass
ax80	5530	DFS_FCC_T4000	See test Graph	Pass
ax80	5530	DFS_FCC_T5000	See test Graph	Pass
ax80	5530	DFS_FCC_T6000	See test Graph	Pass
ax160	5570	DFS_FCC_T0	See test Graph	Pass
ax160	5570	DFS_FCC_T1000	See test Graph	Pass
ax160	5570	DFS_FCC_T2000	See test Graph	Pass
ax160	5570	DFS_FCC_T3000	See test Graph	Pass
ax160	5570	DFS_FCC_T4000	See test Graph	Pass
ax160	5570	DFS_FCC_T5000	See test Graph	Pass
ax160	5570	DFS_FCC_T6000	See test Graph	Pass

Test Graphs

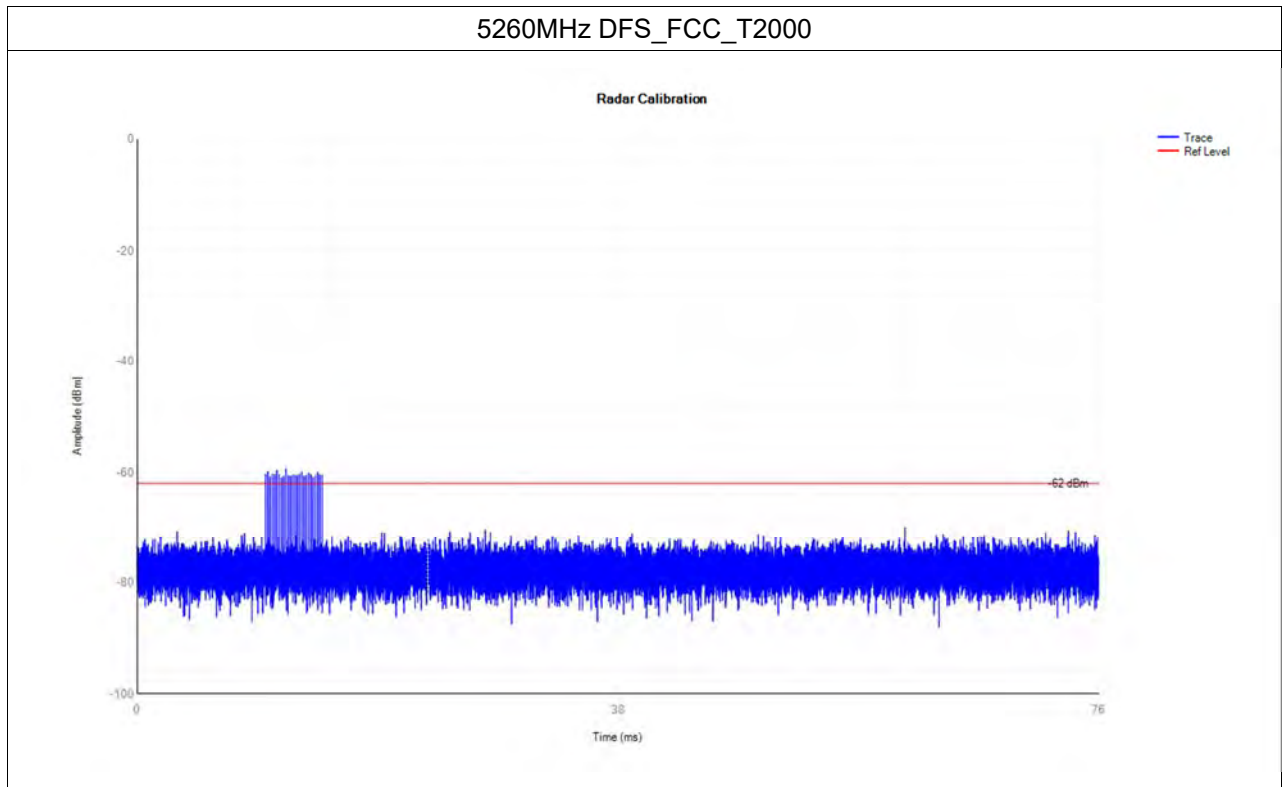
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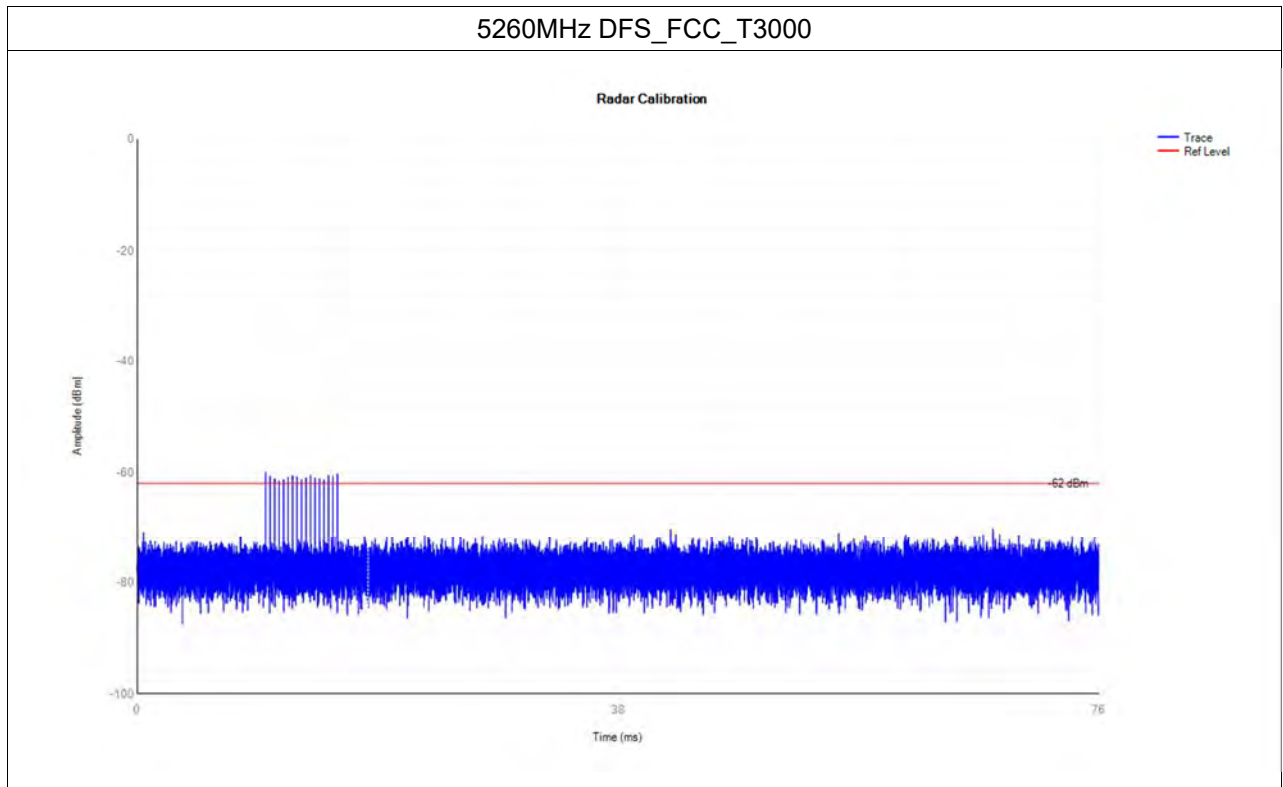
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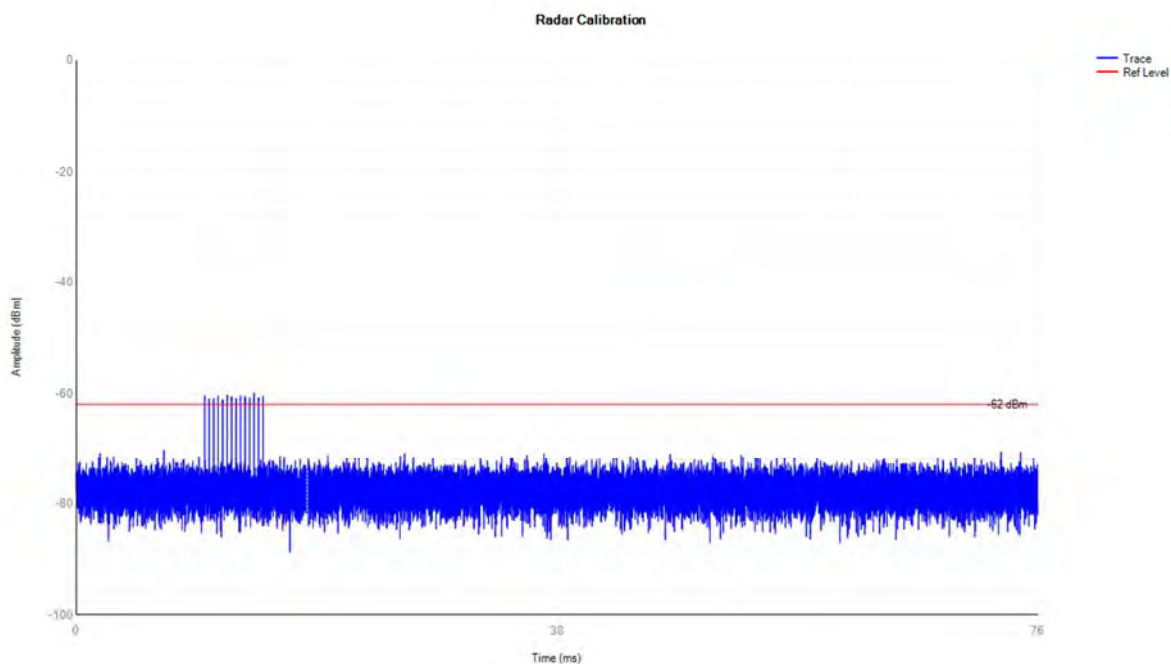
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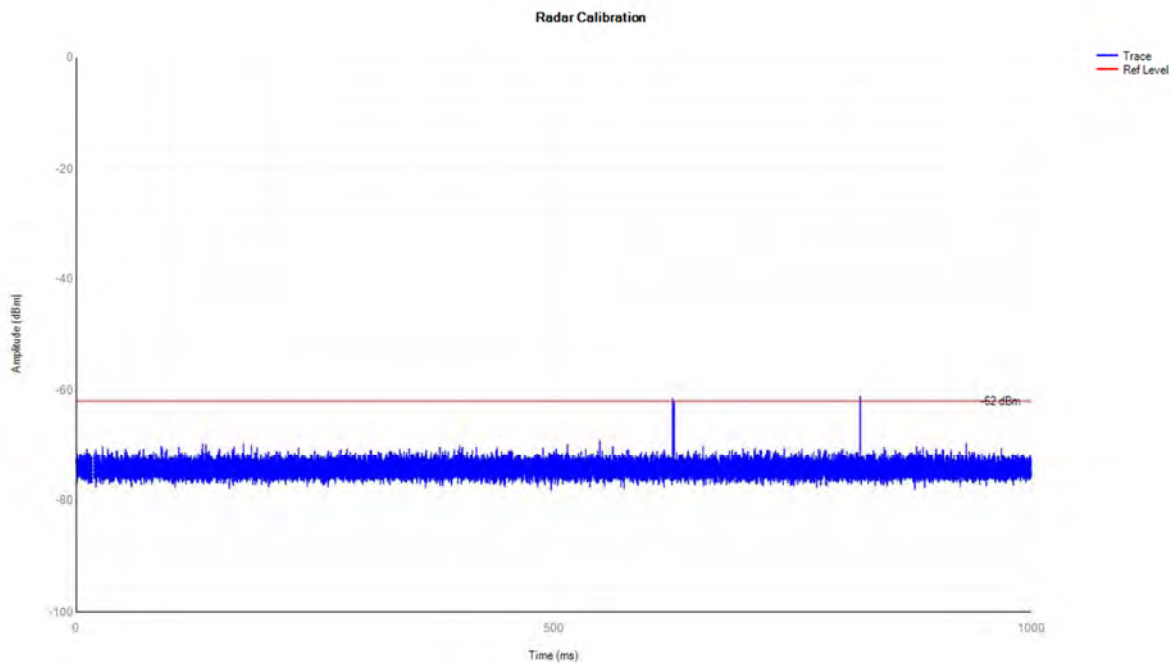
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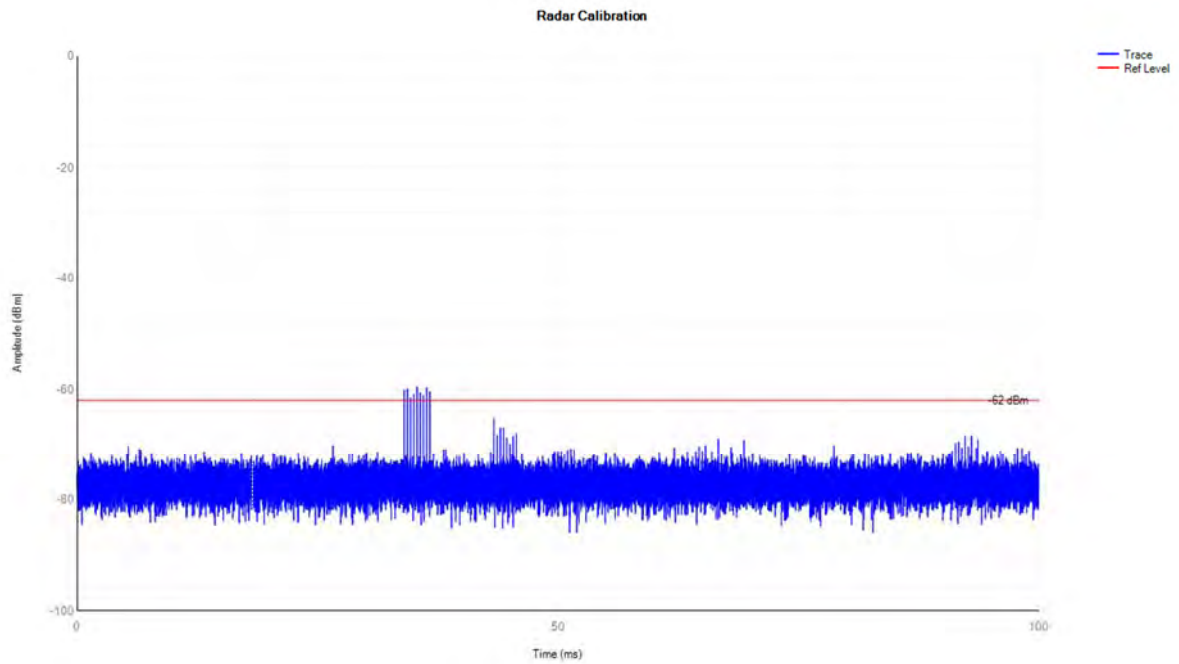
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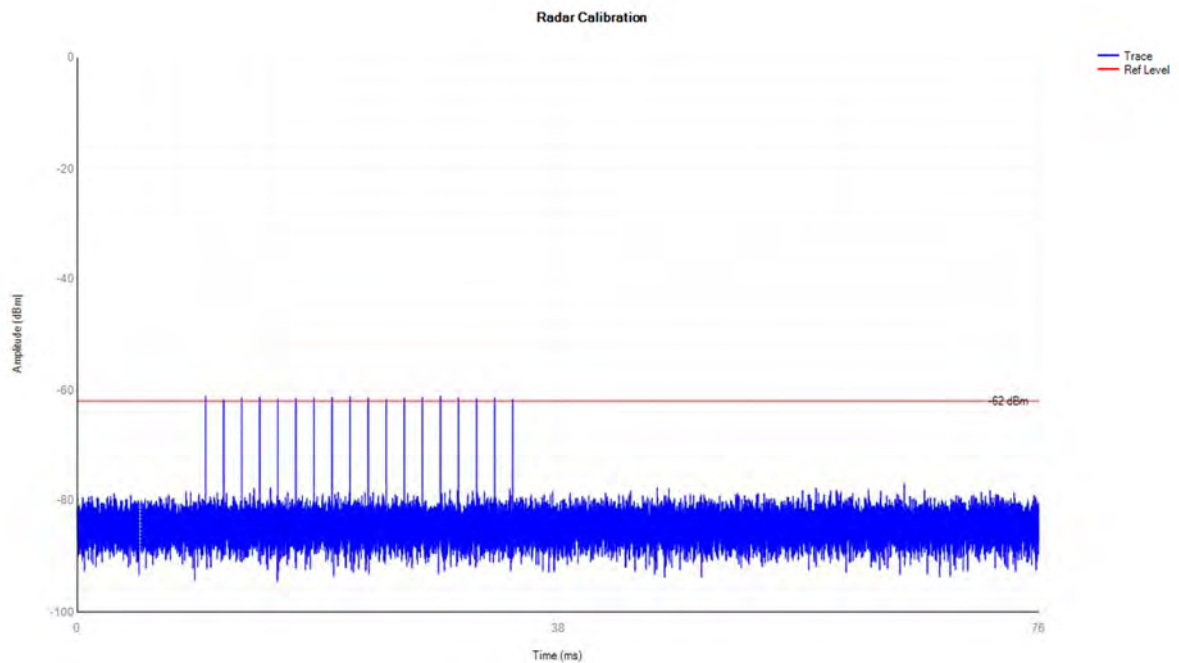
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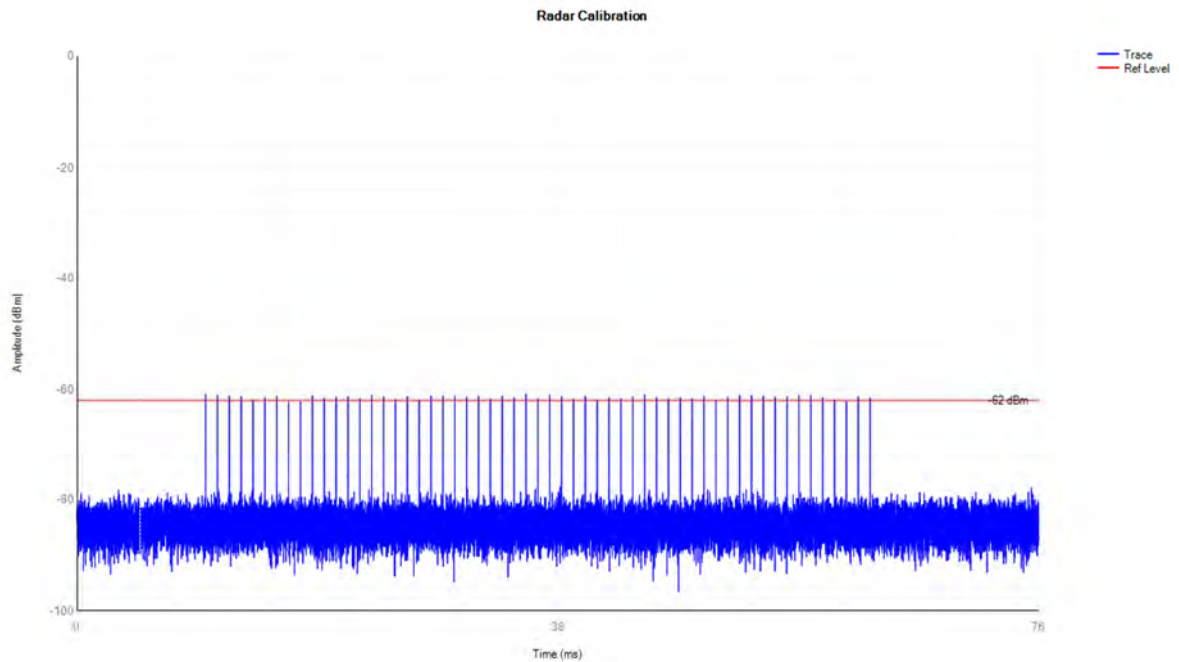
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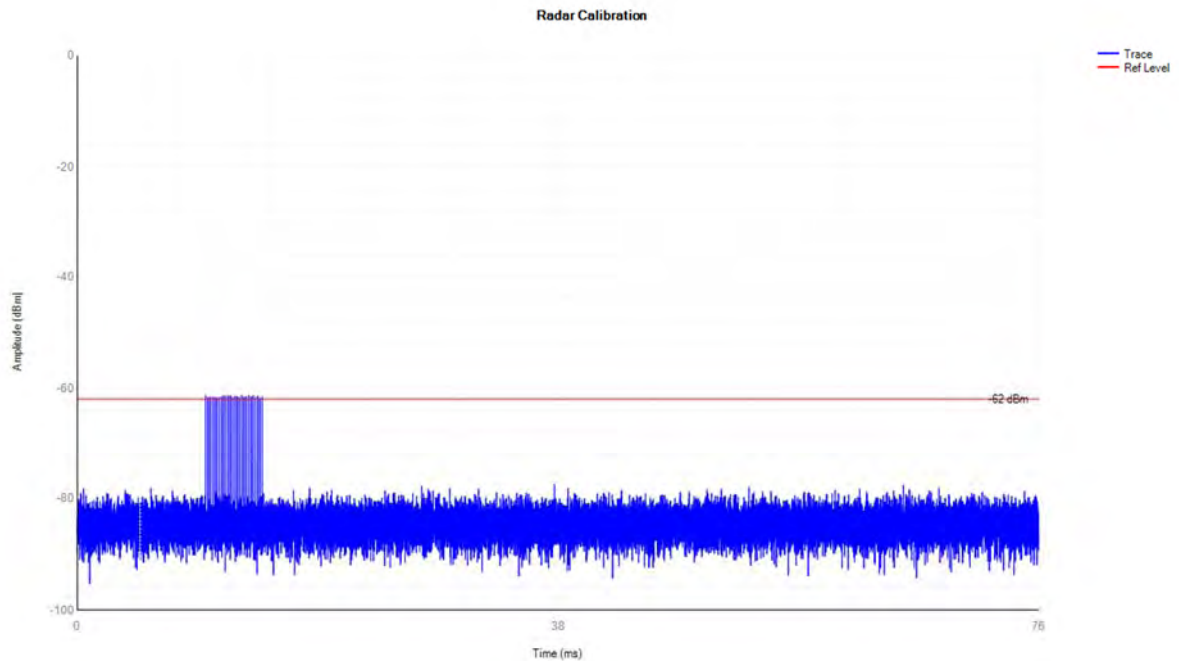
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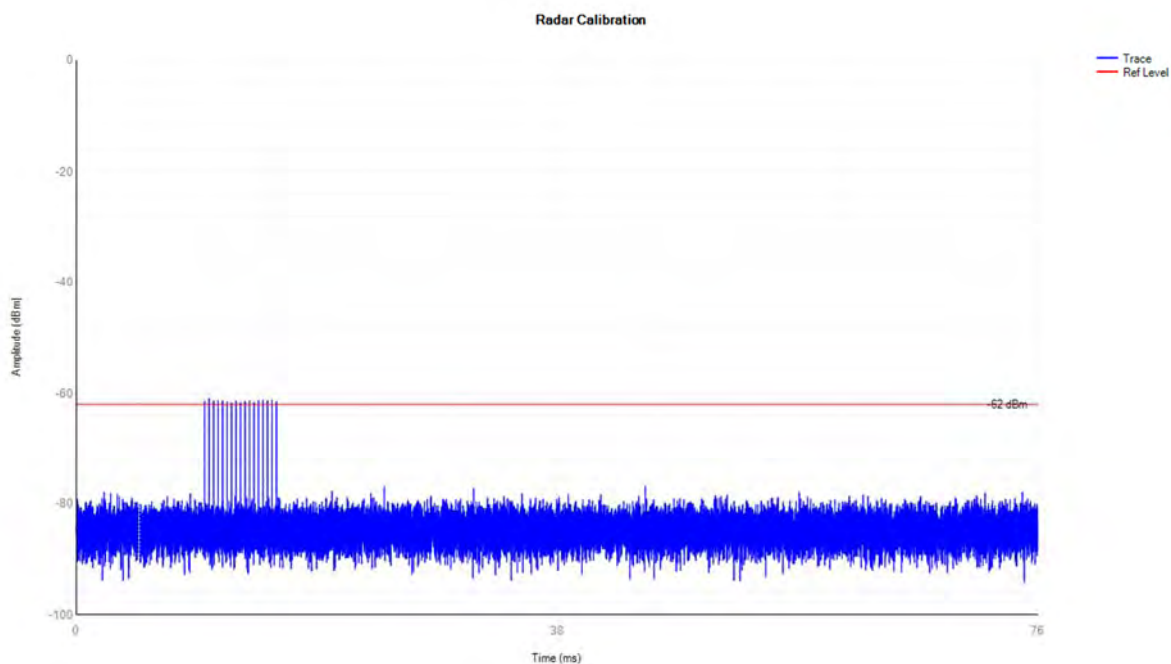
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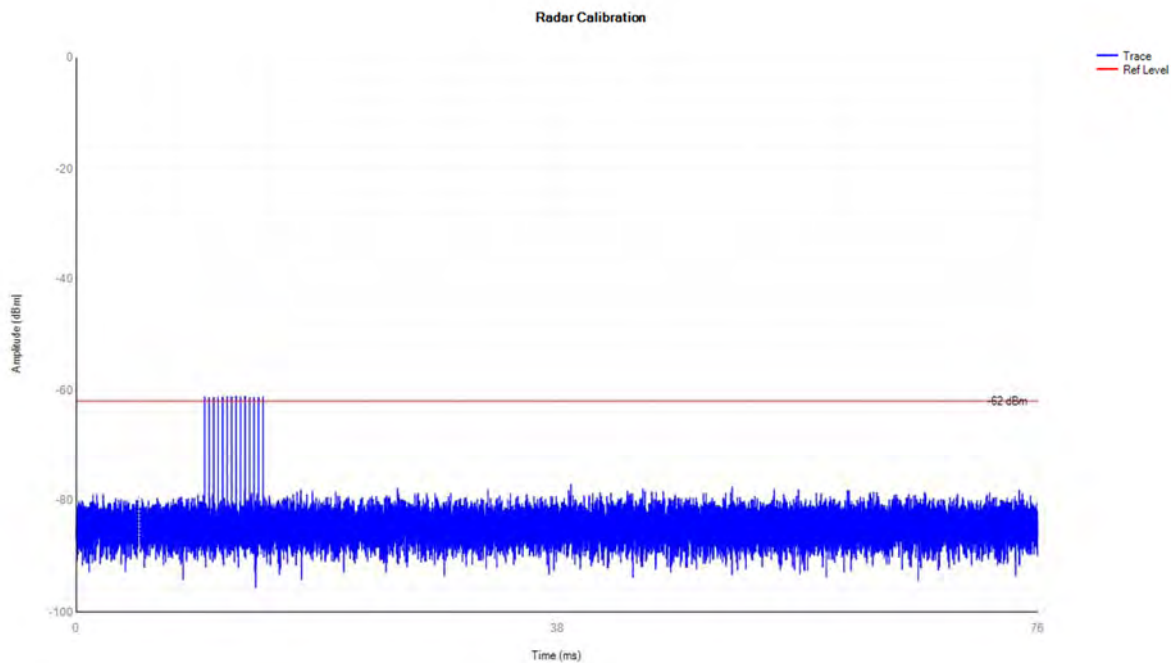
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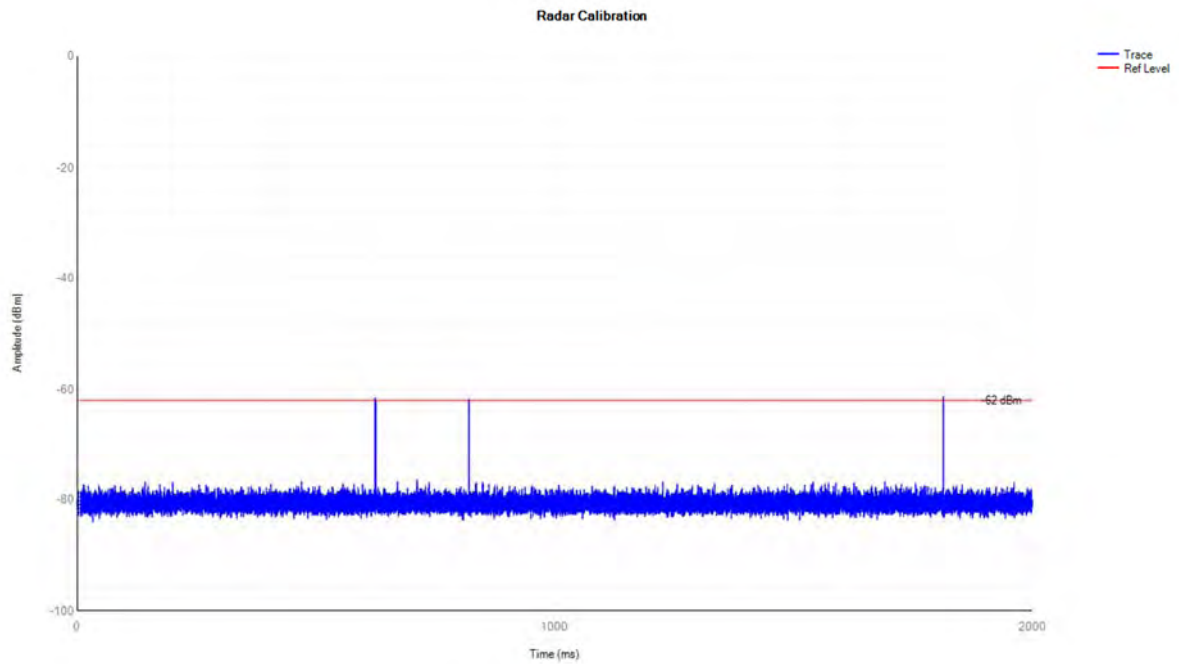
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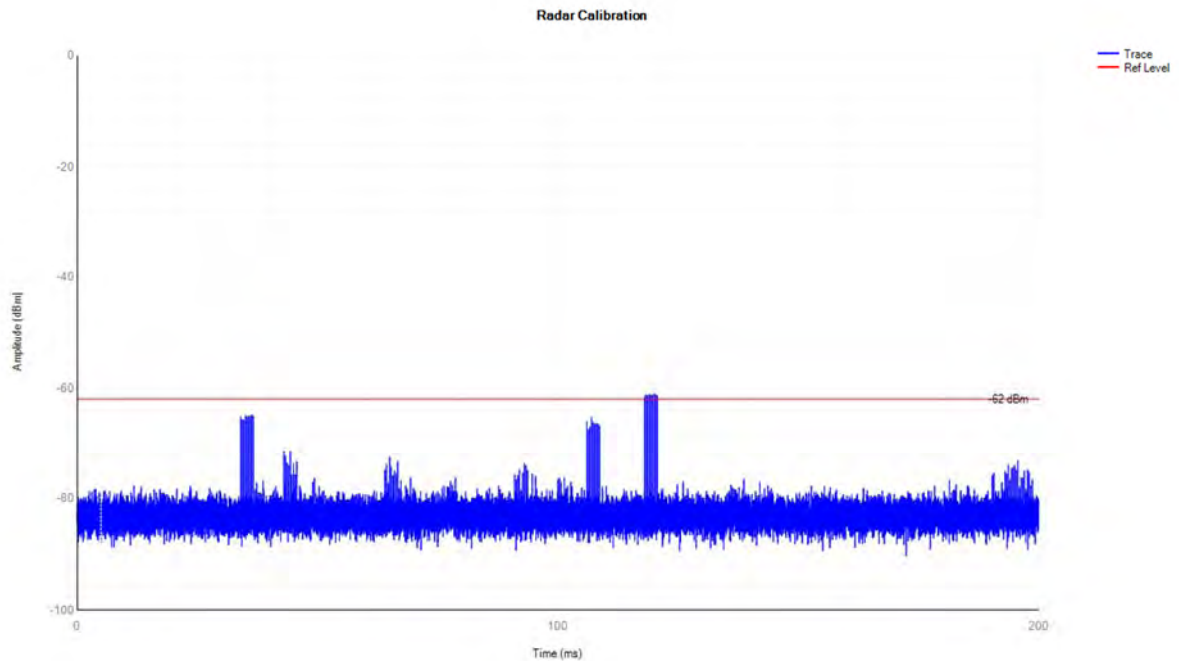
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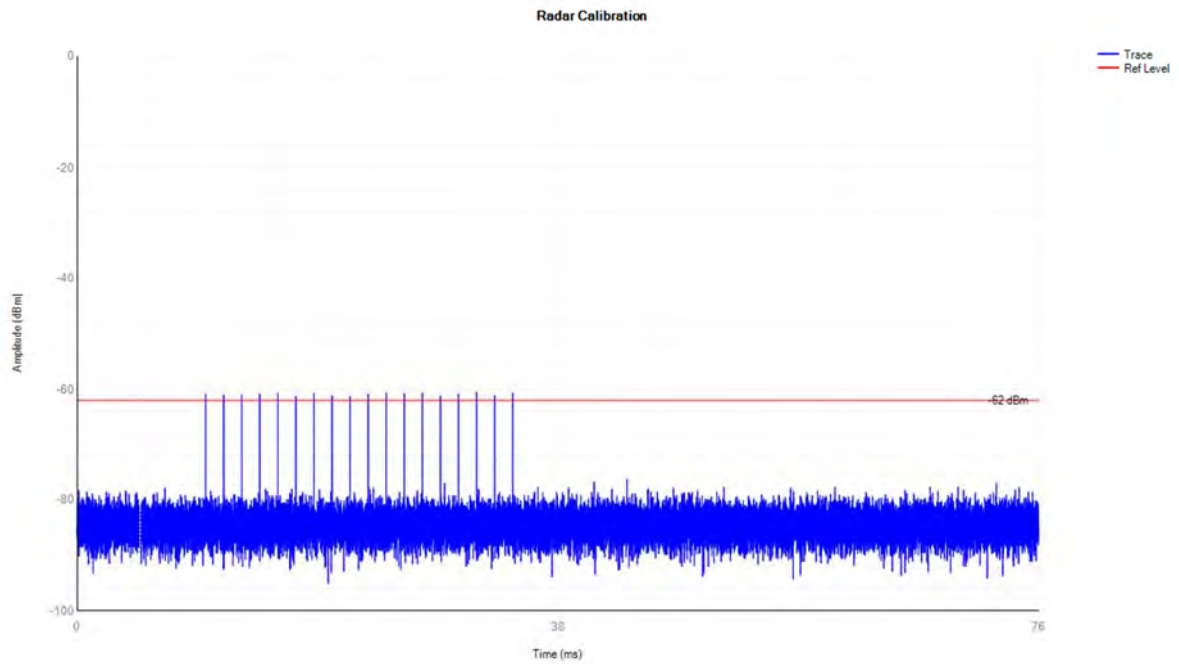
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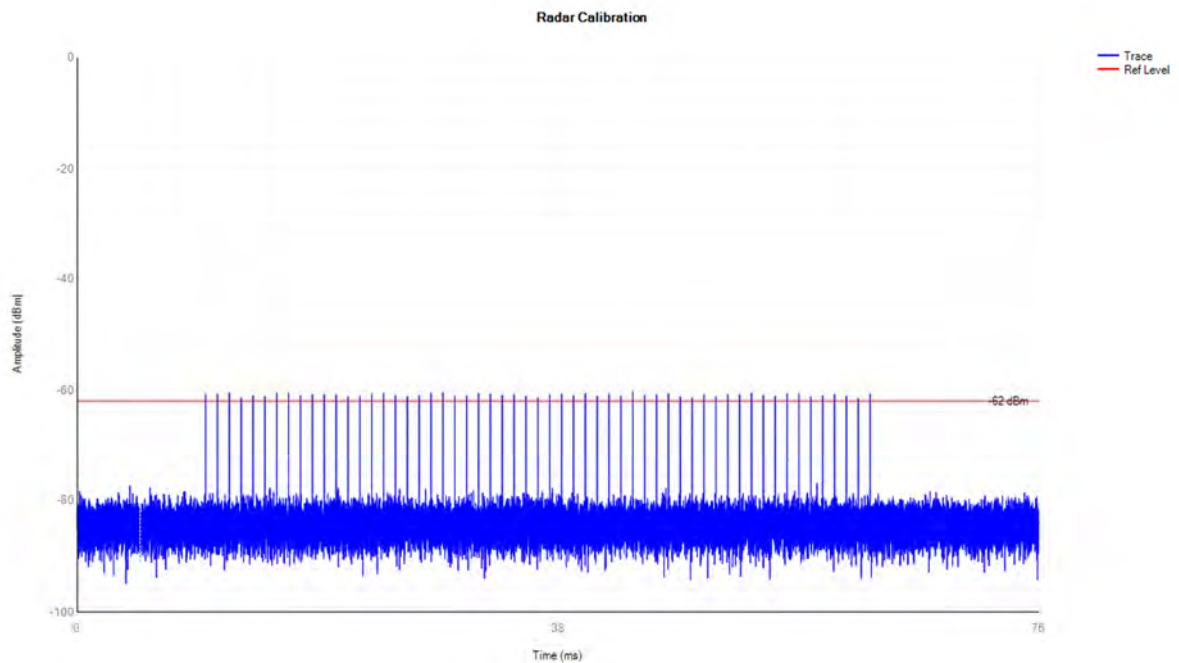
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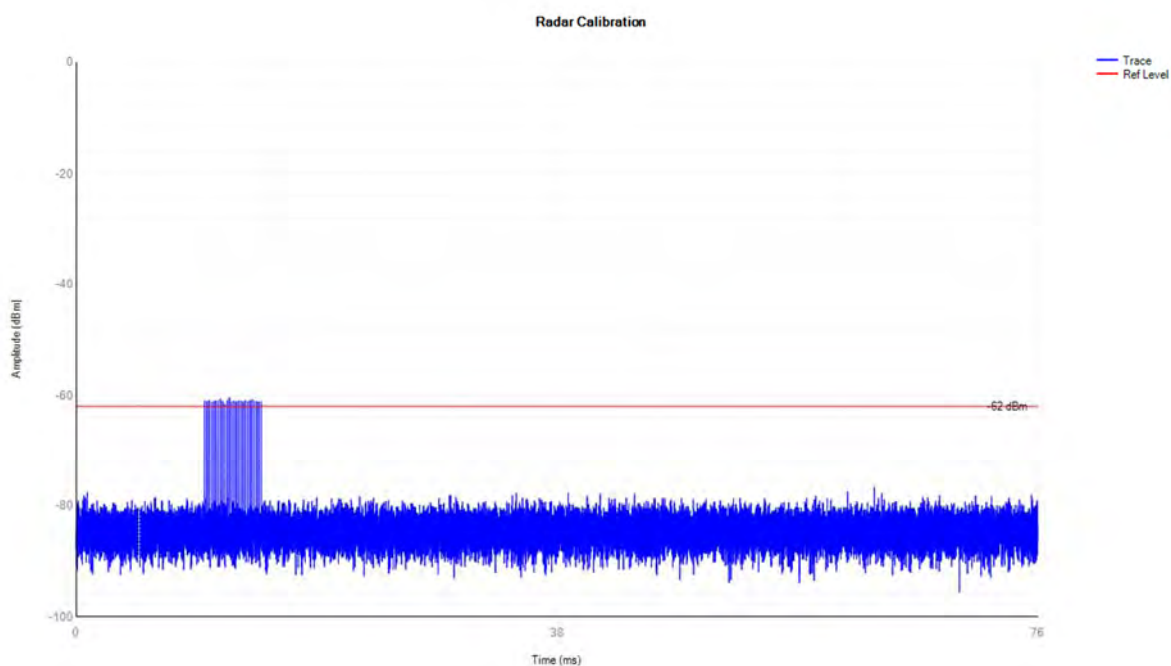
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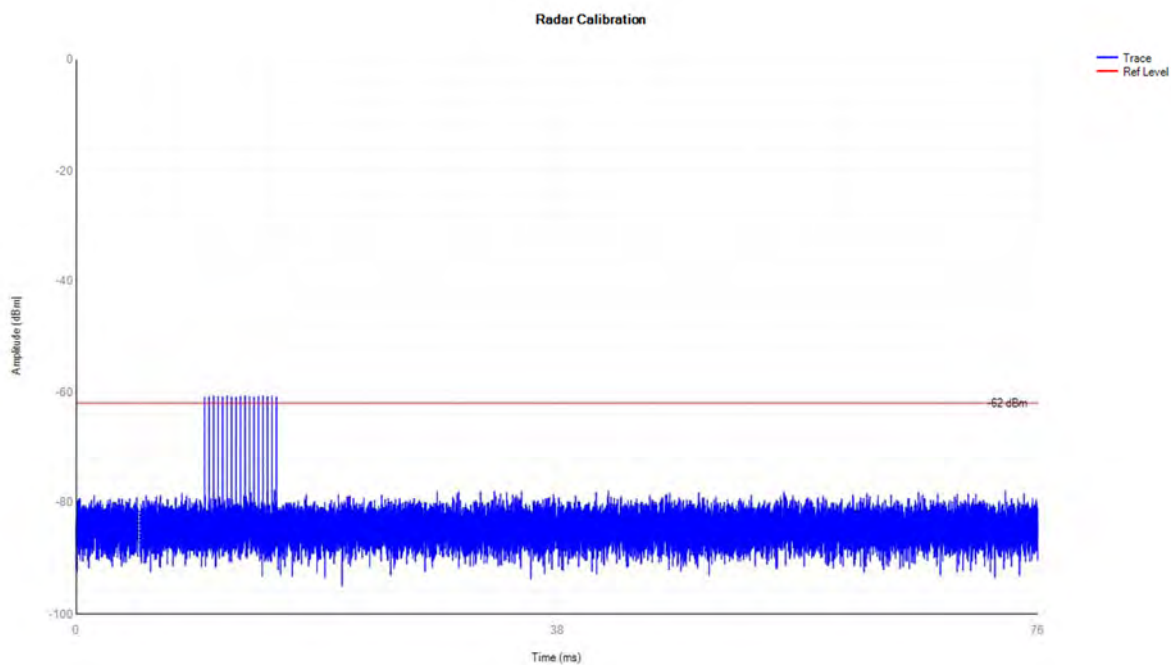
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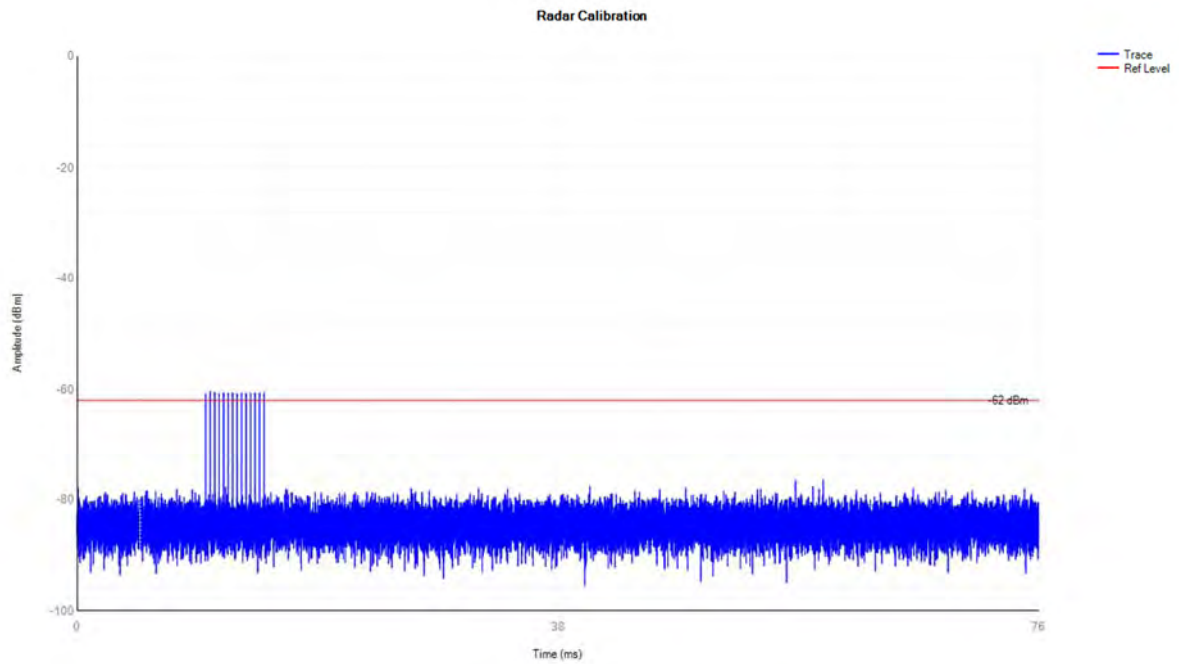
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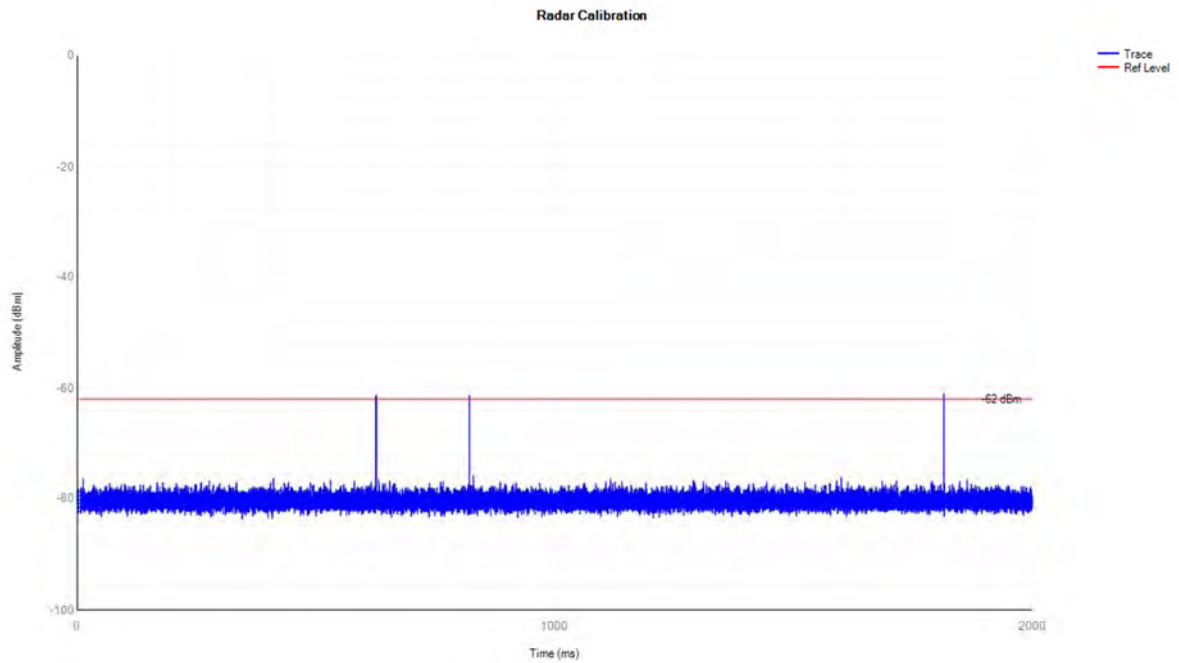
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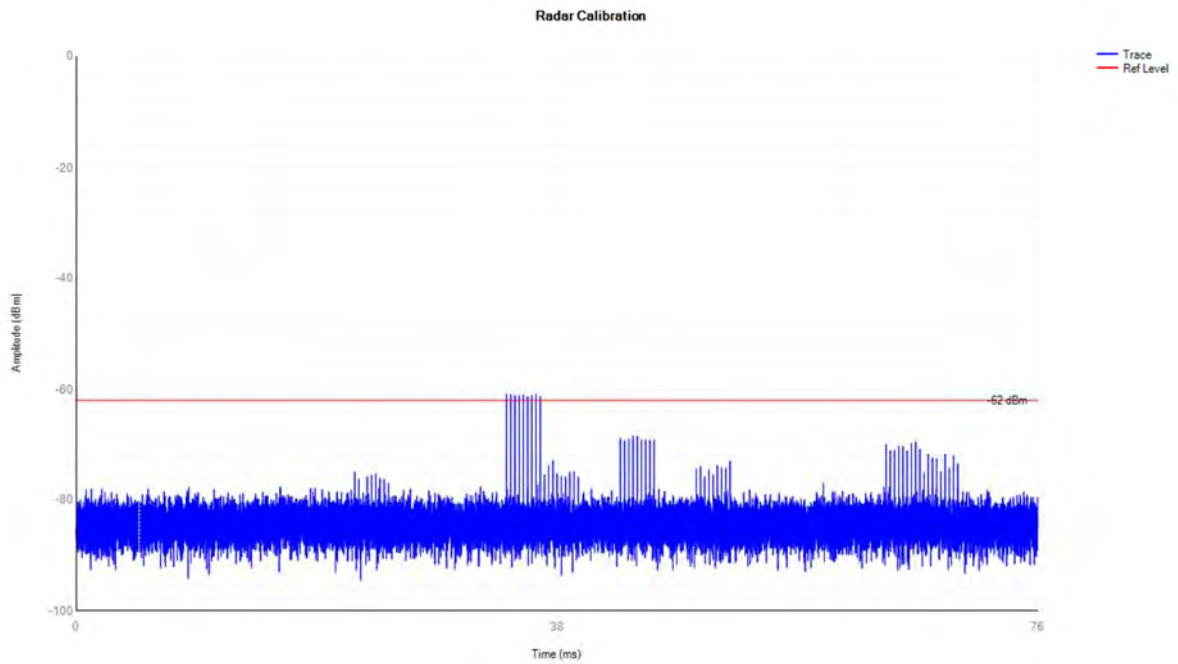
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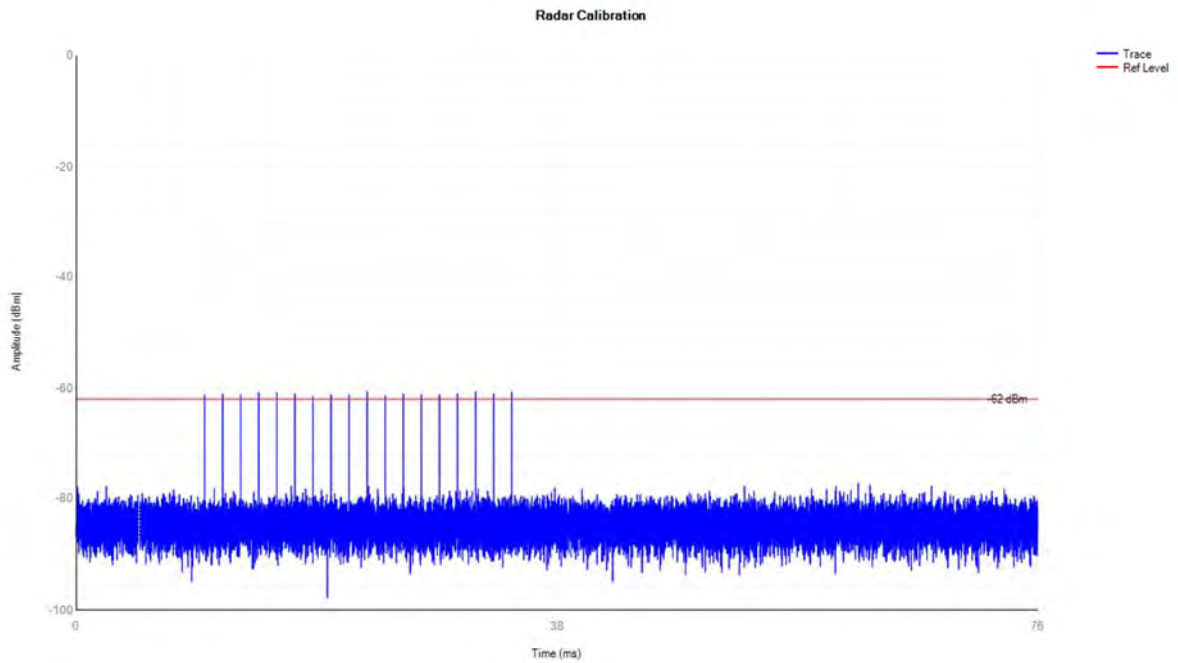
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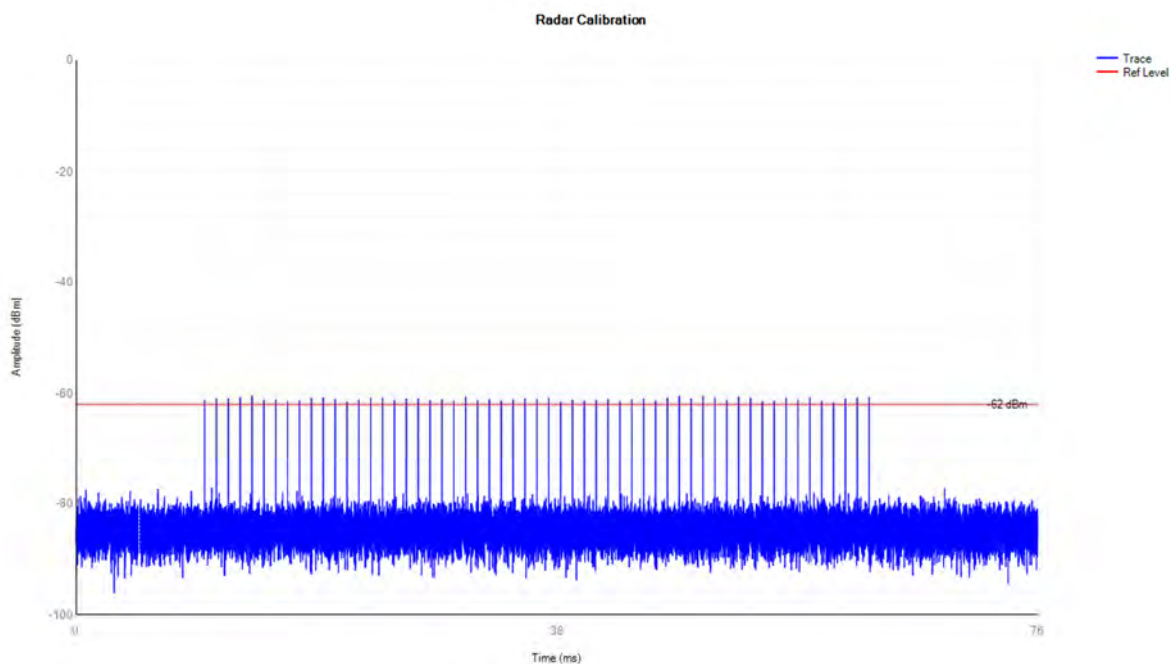
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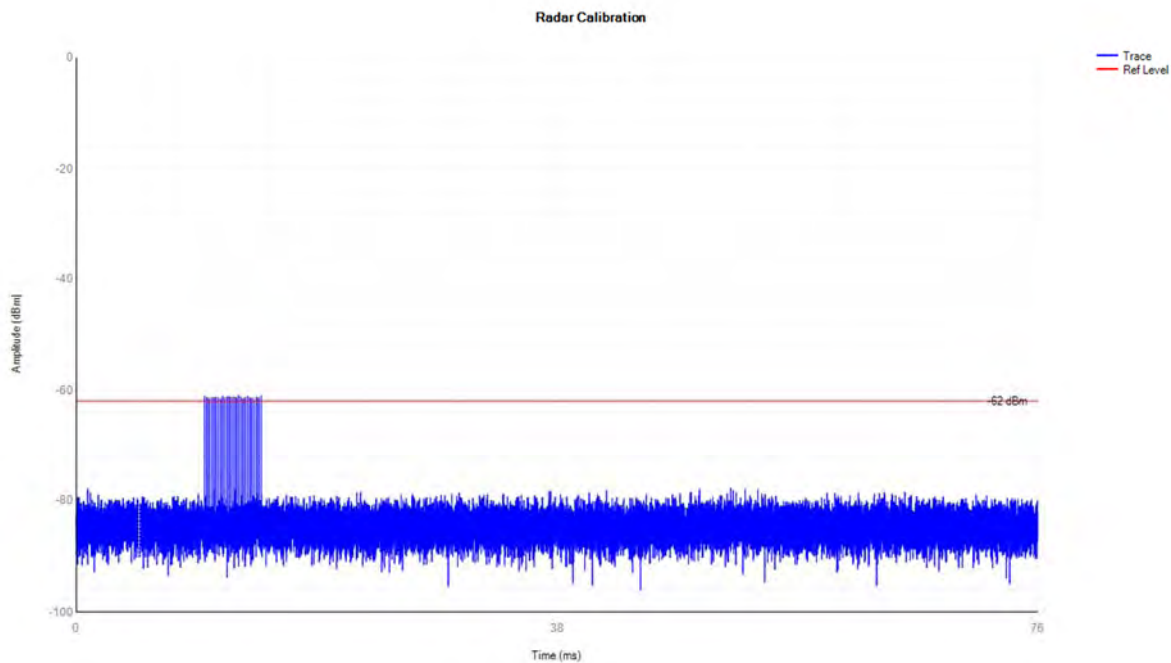
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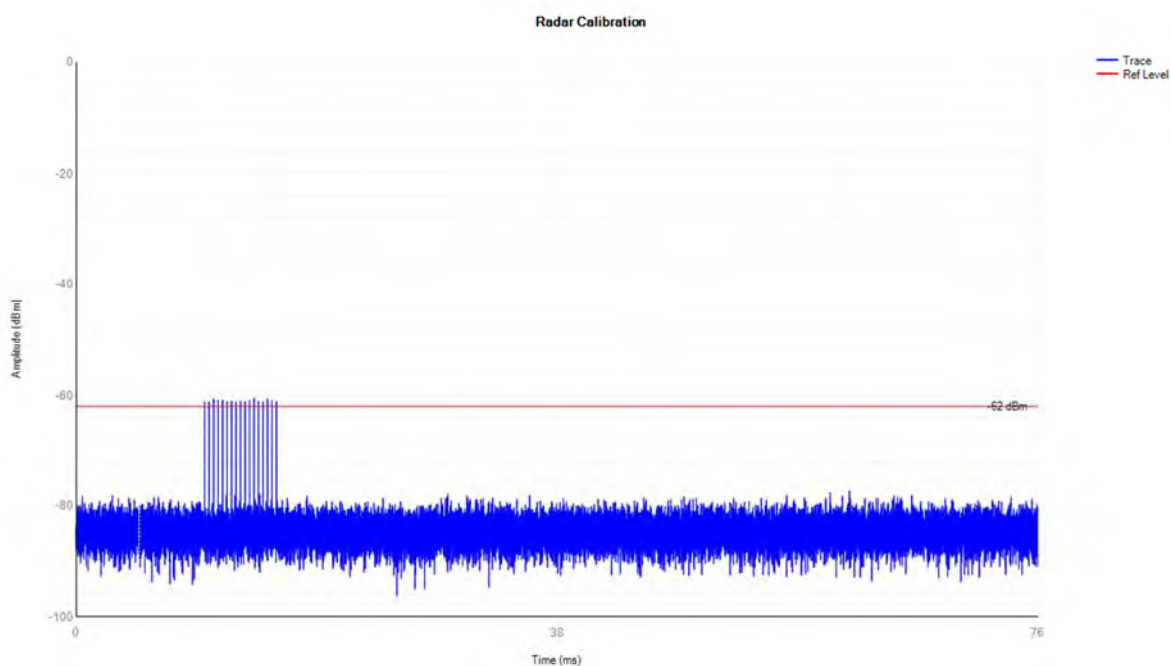
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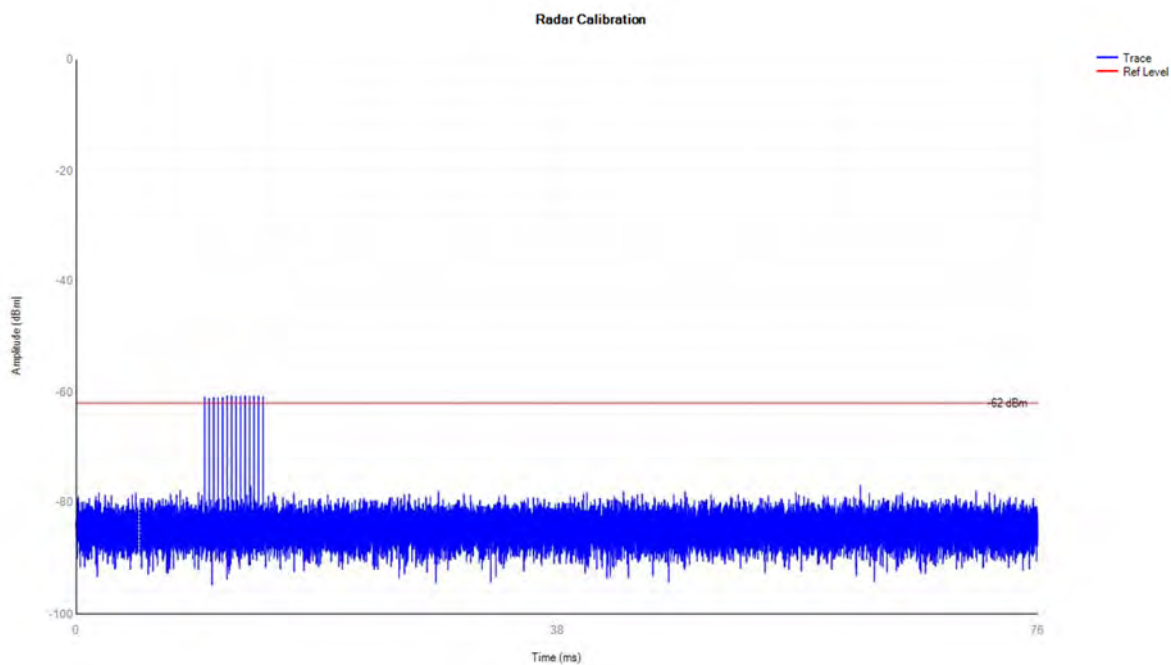
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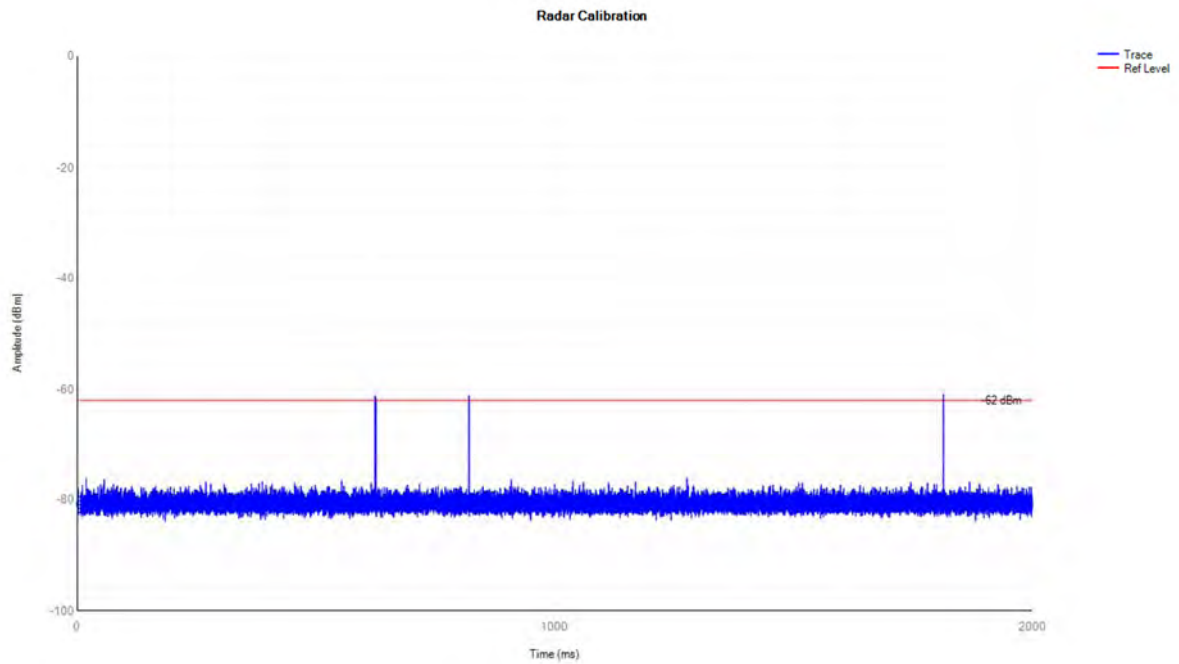
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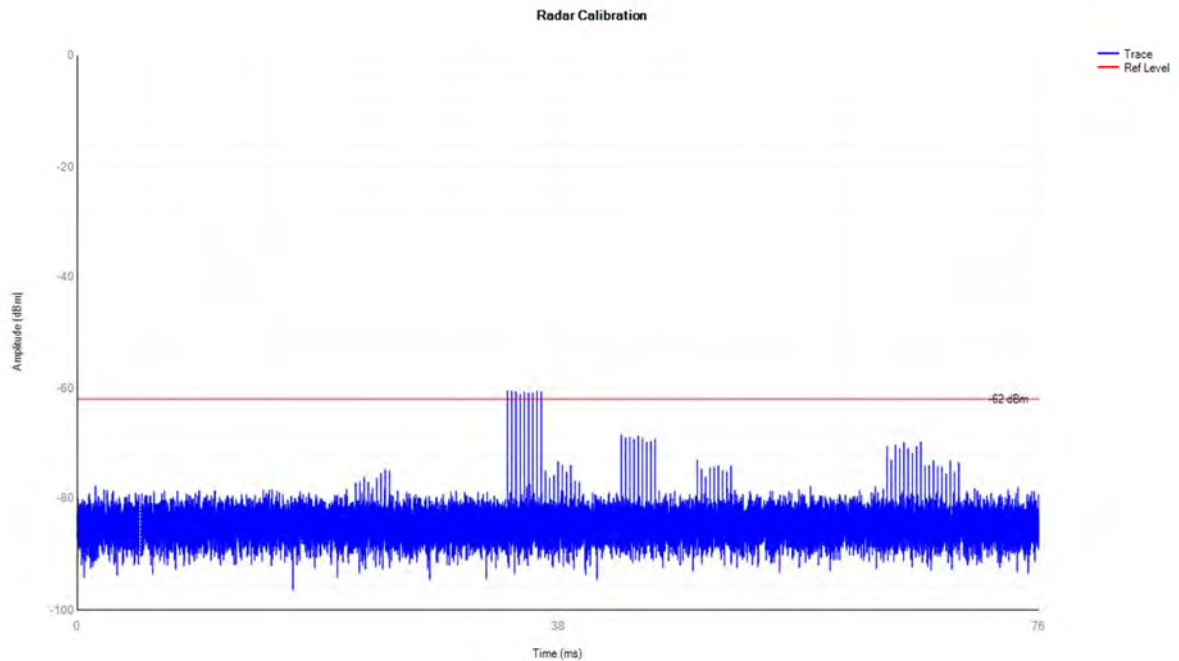
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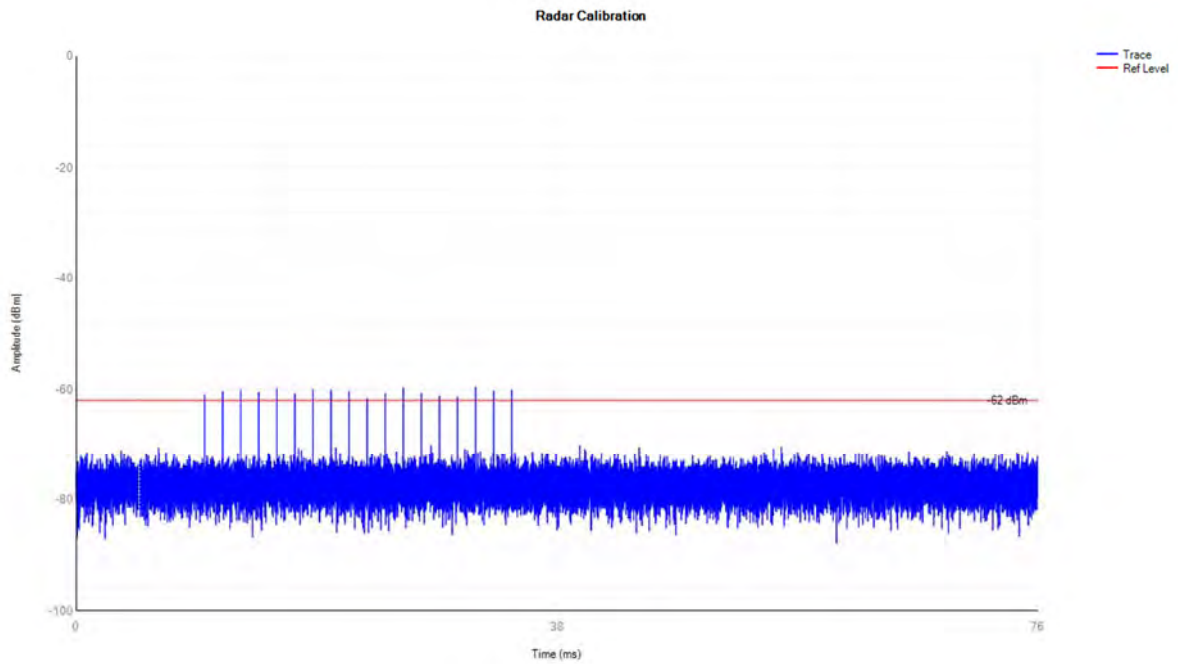
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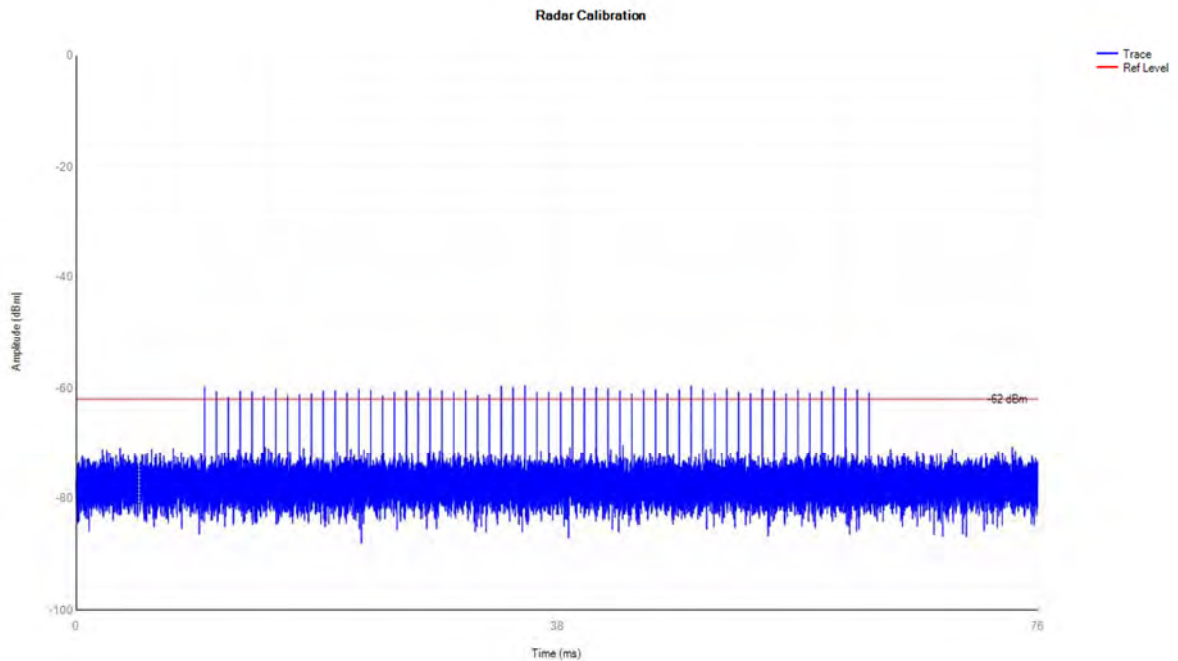
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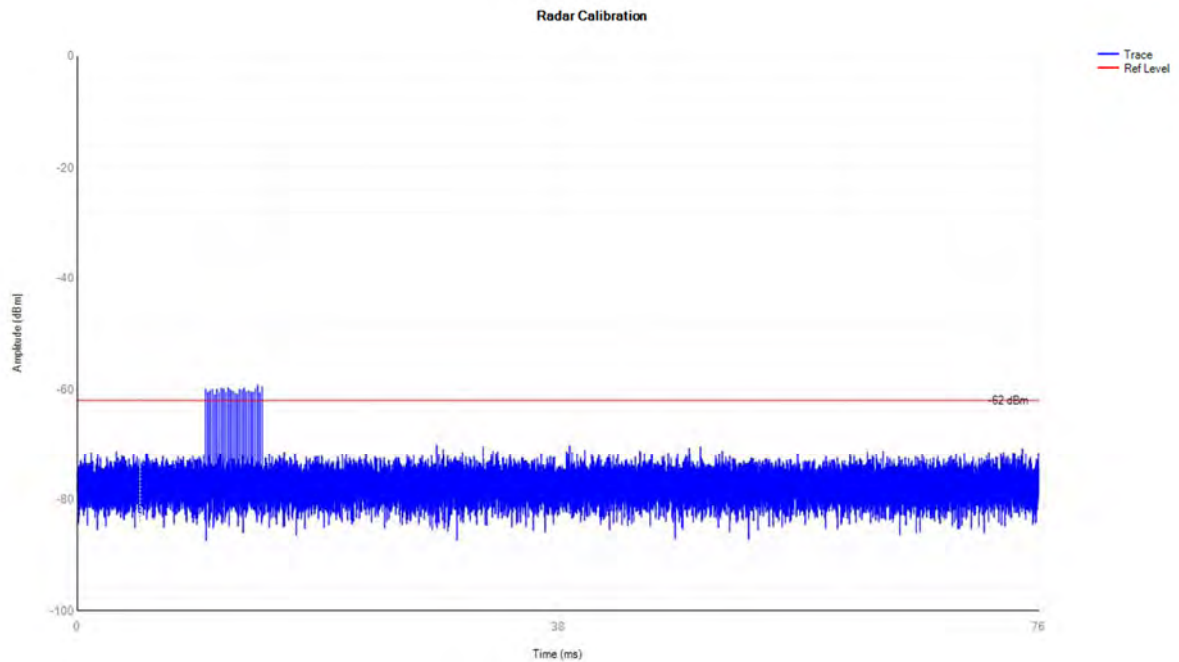
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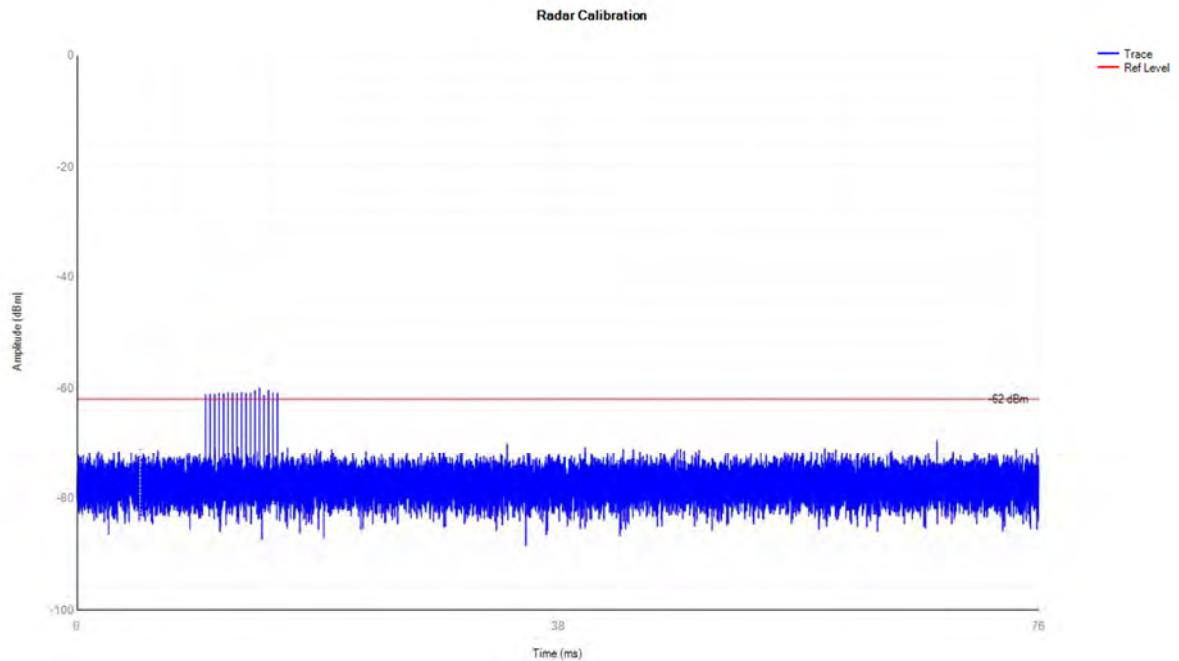
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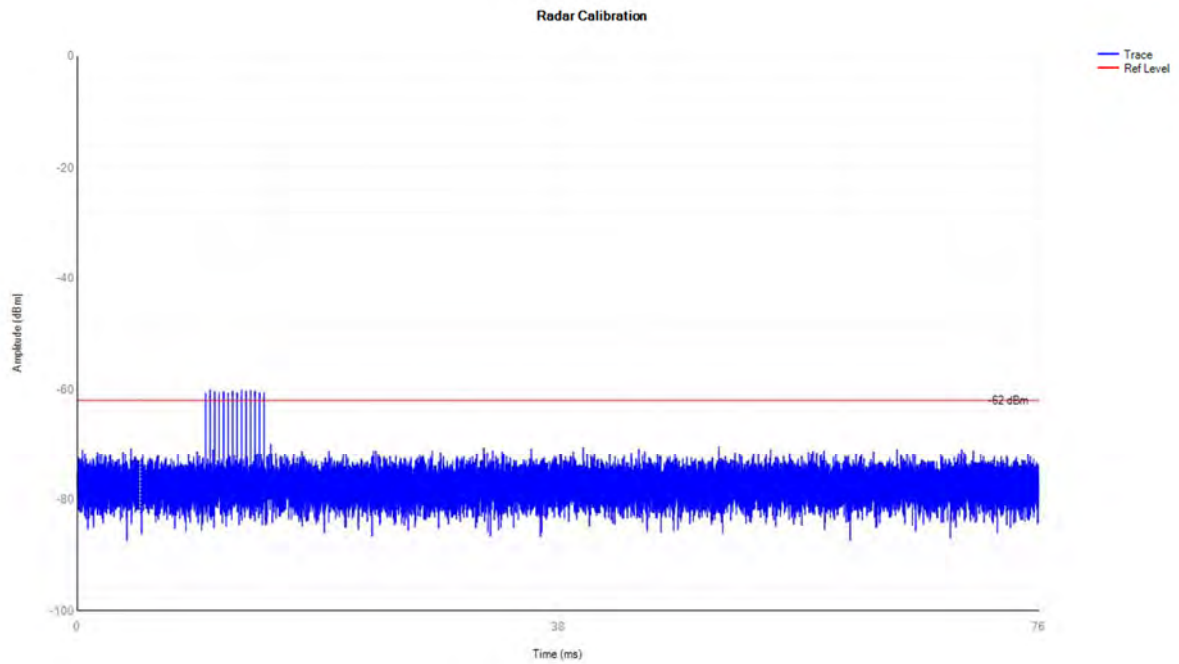
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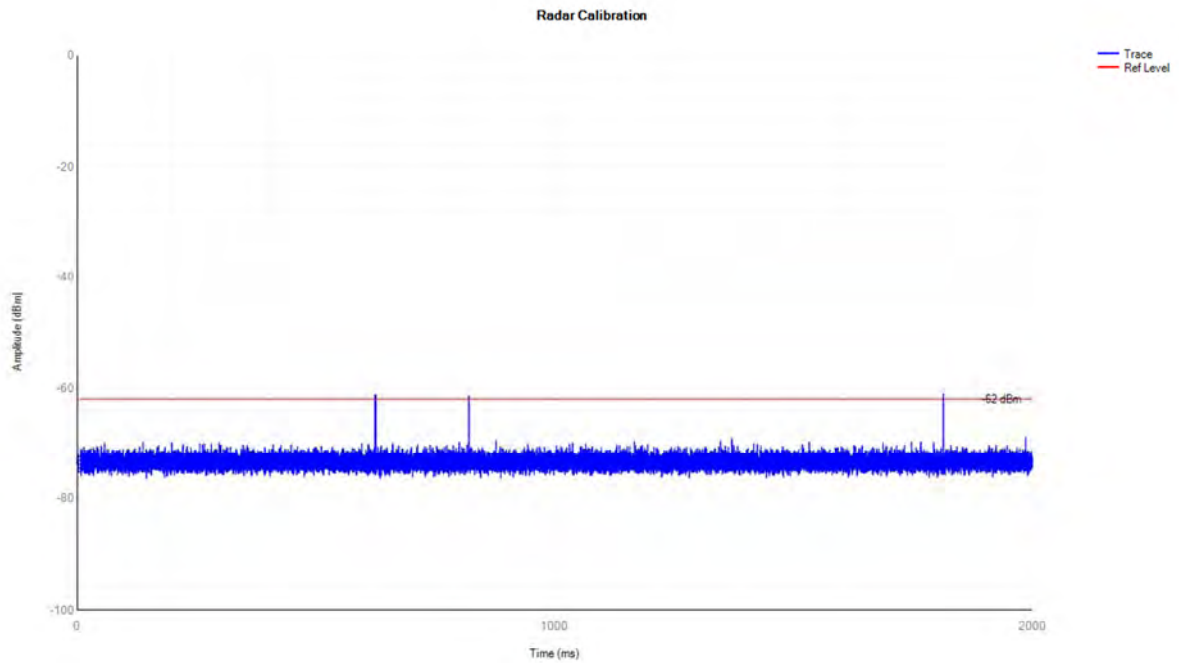
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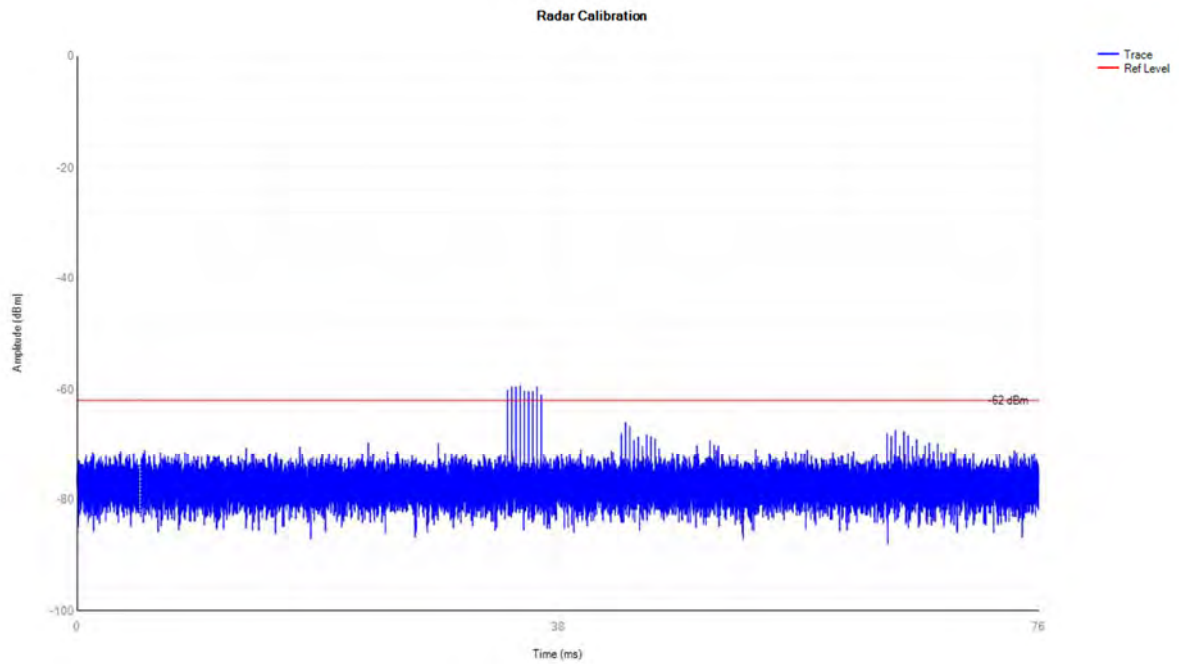
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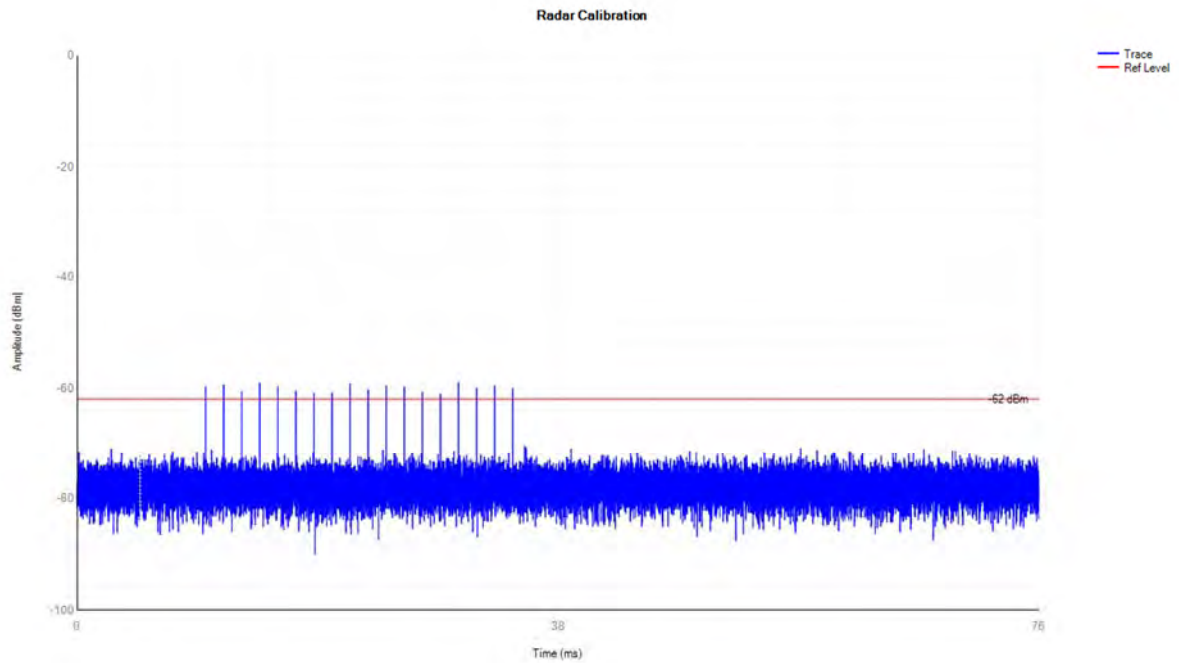
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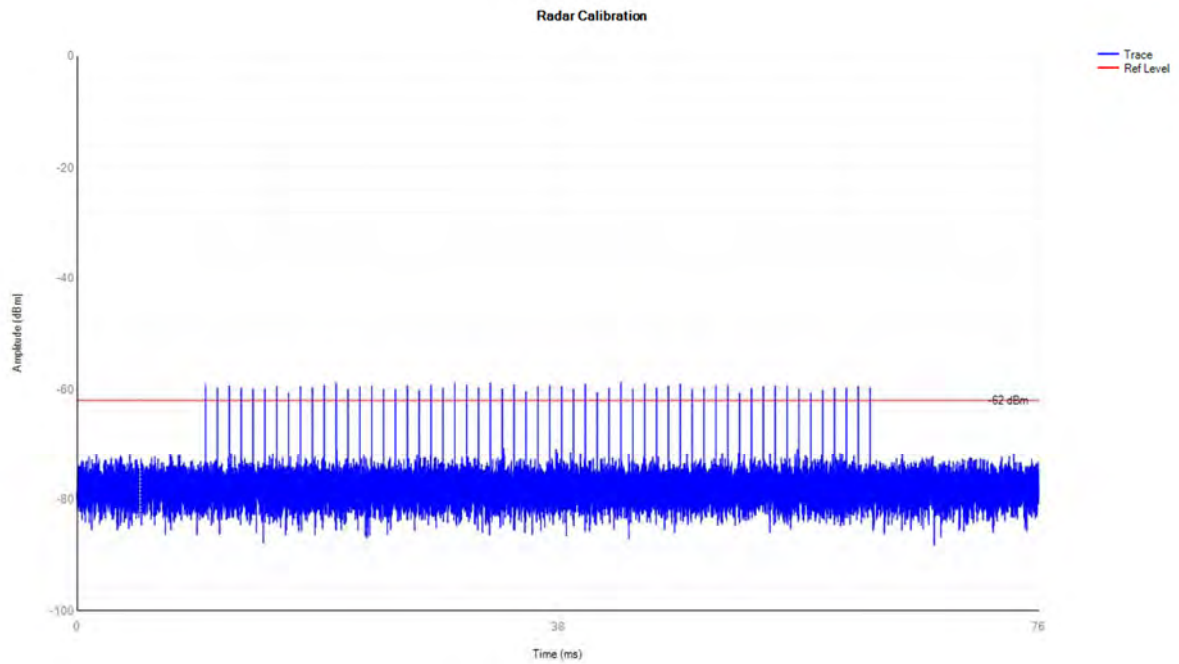
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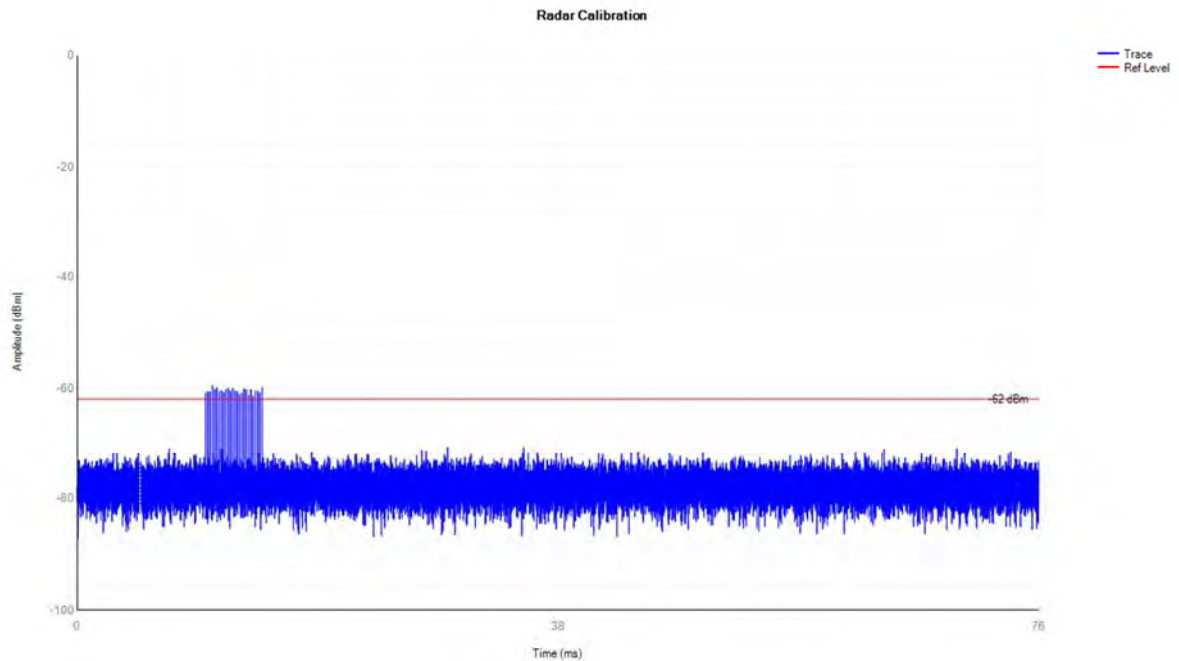
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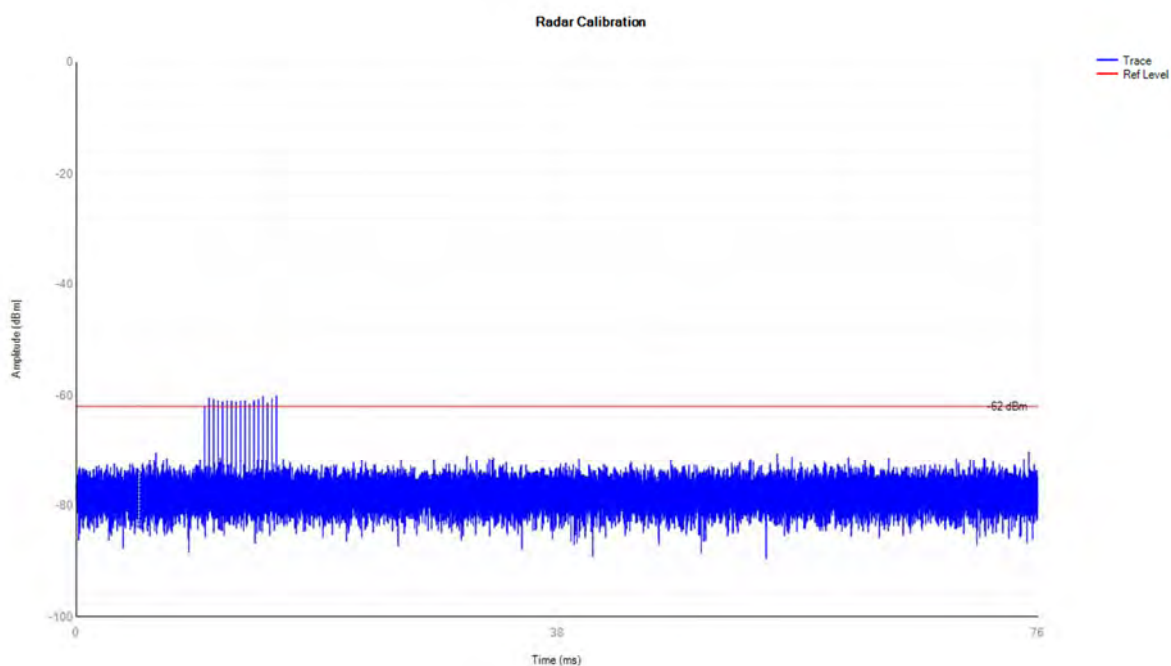
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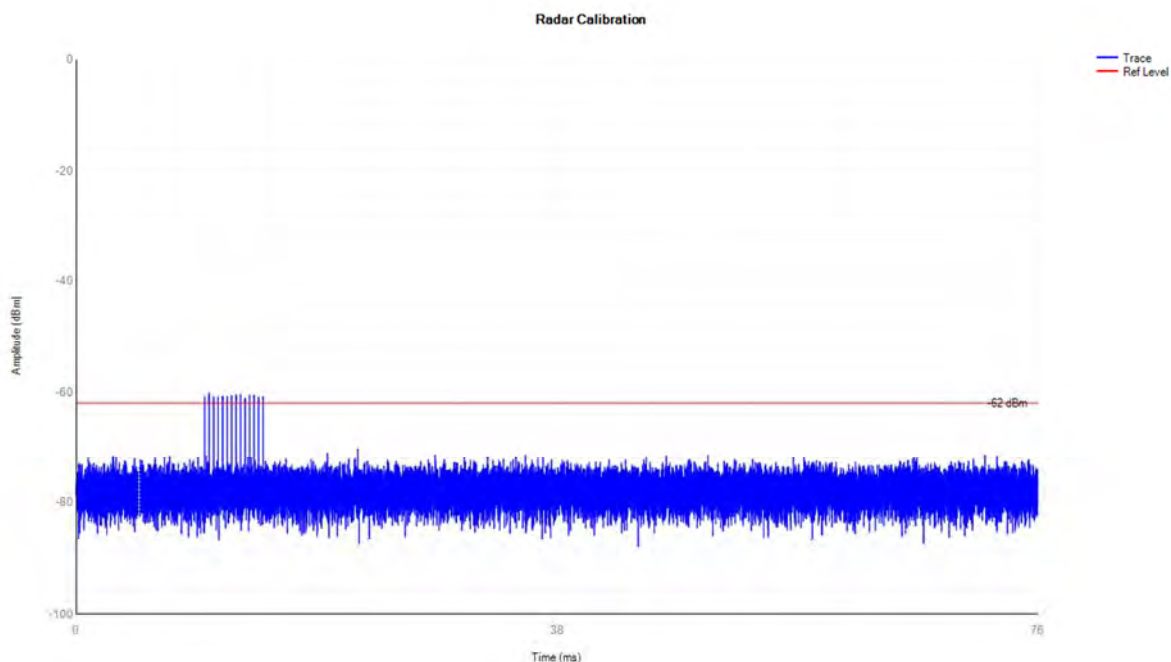
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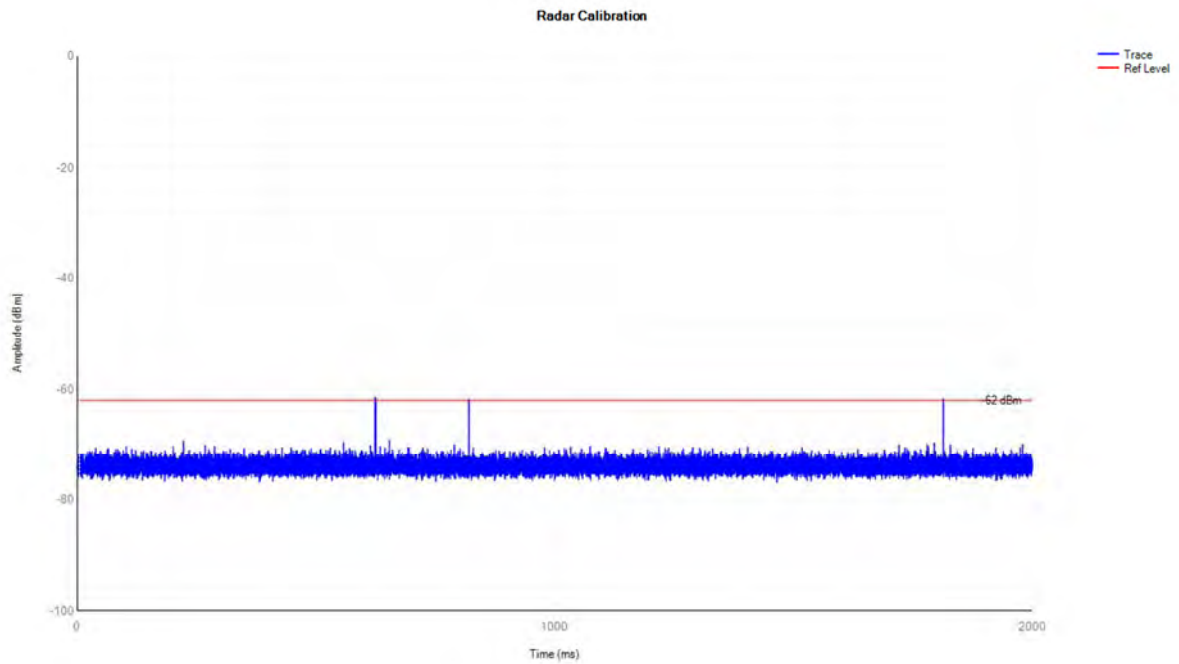
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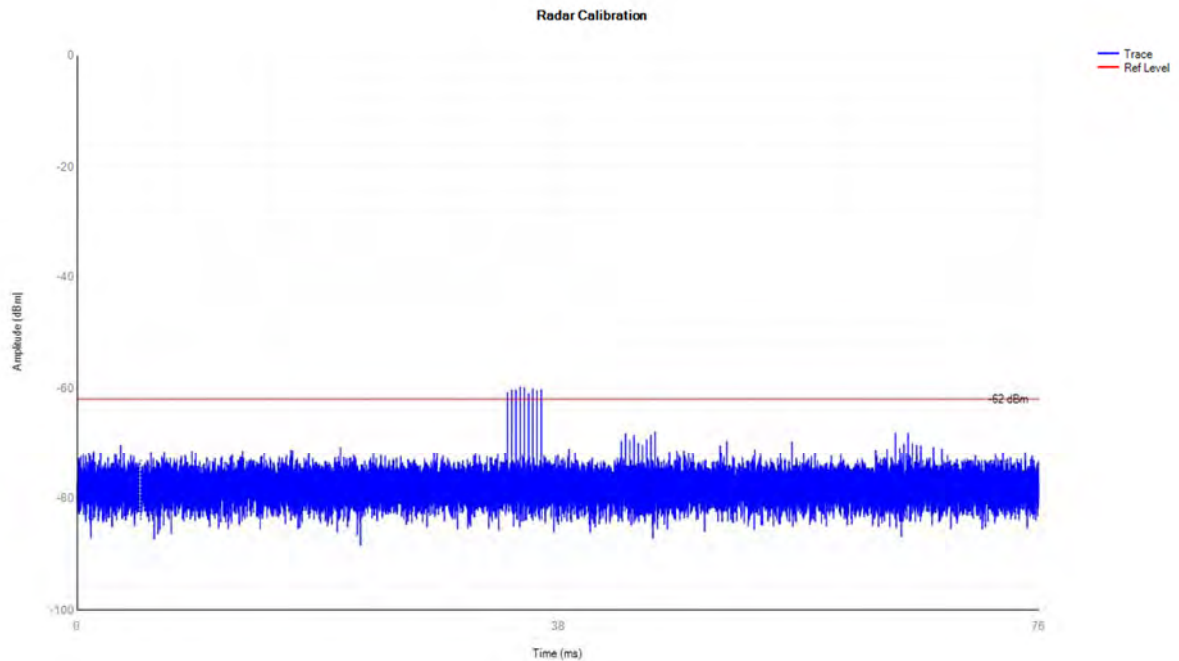
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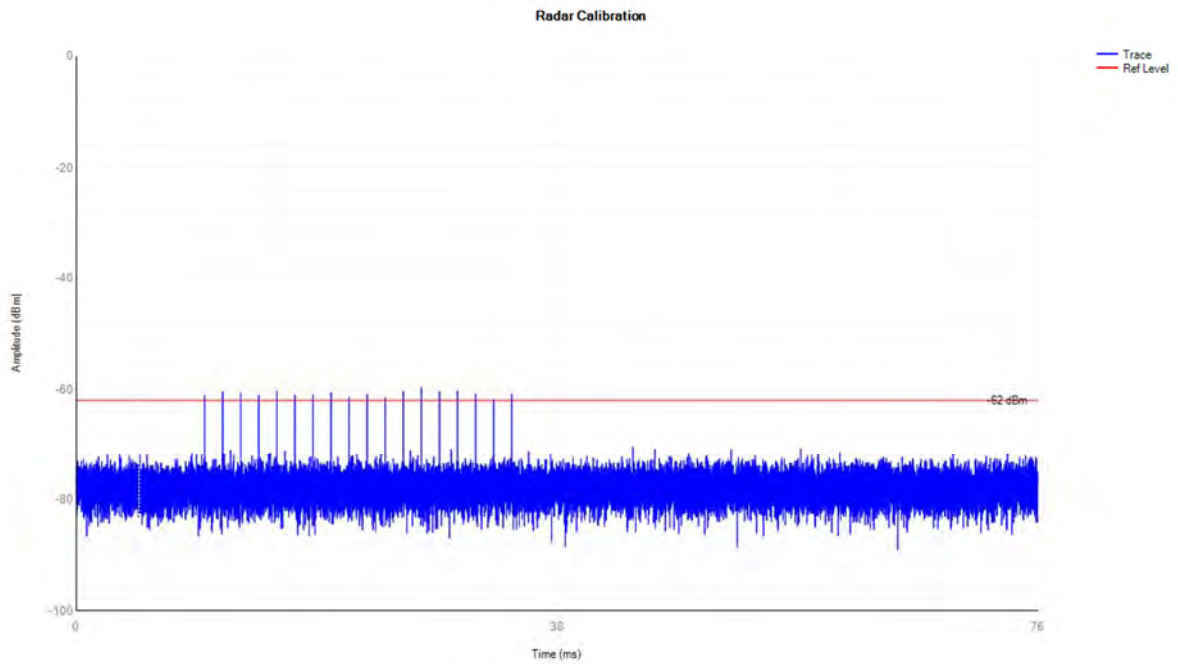
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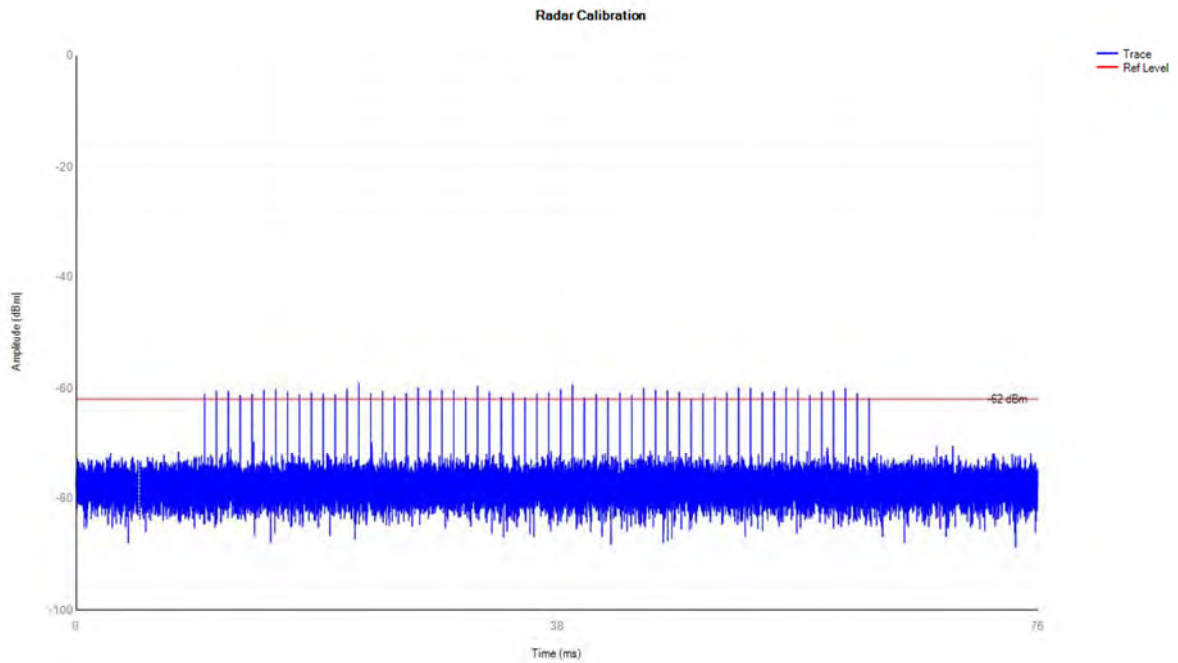
5530MHz DFS_FCC_T6000



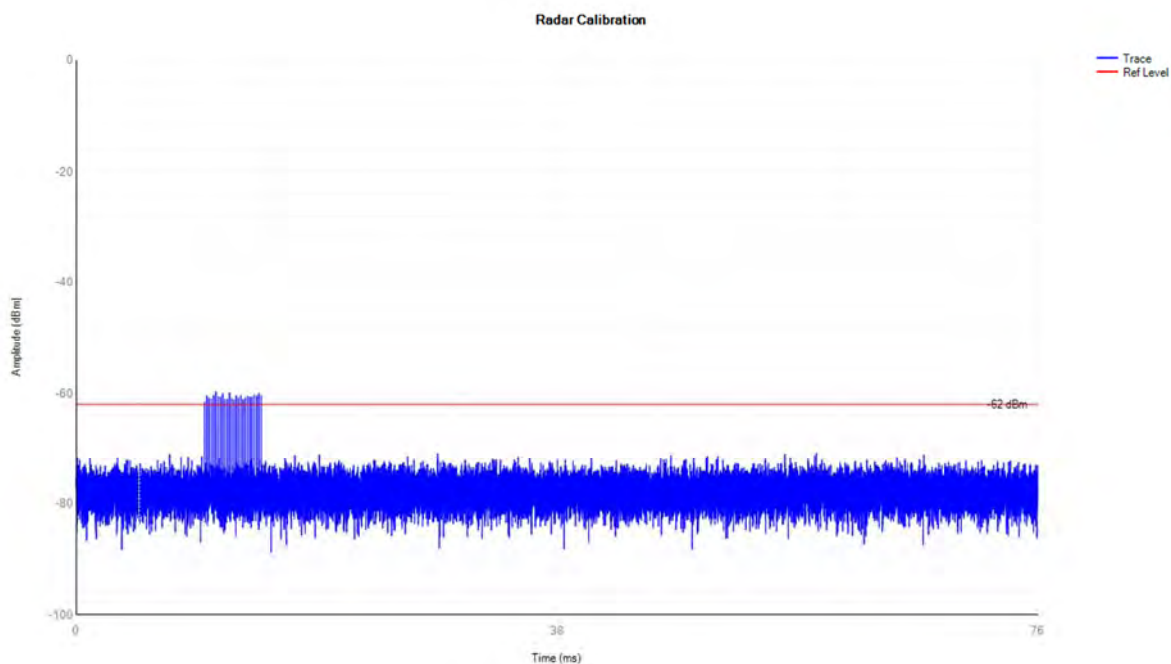
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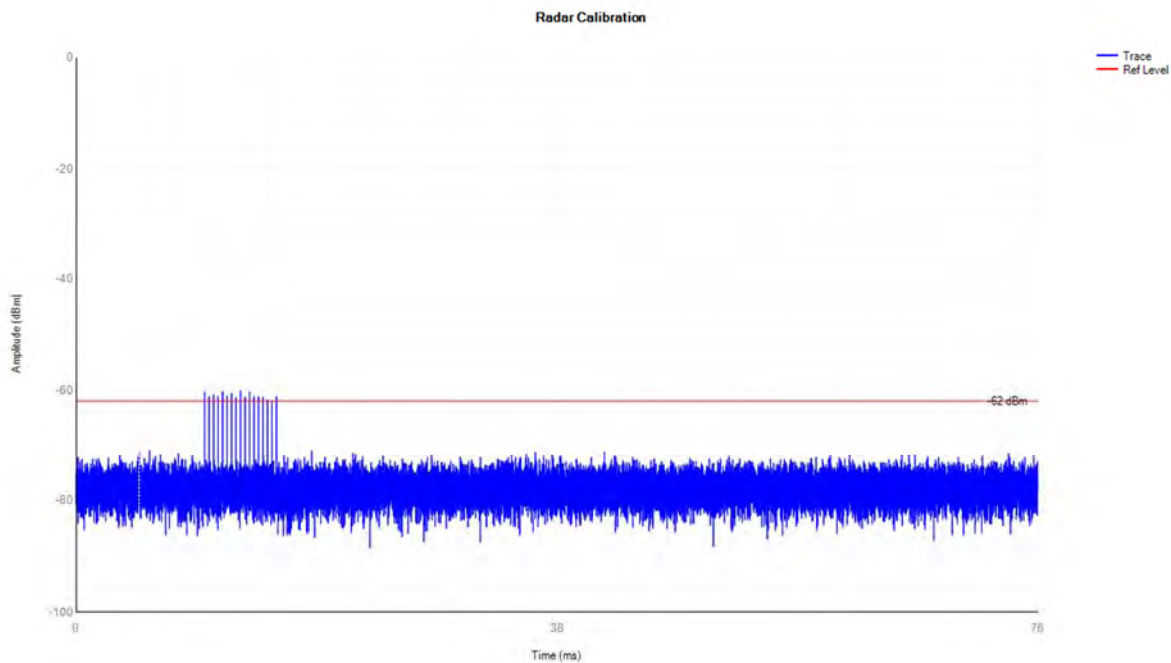
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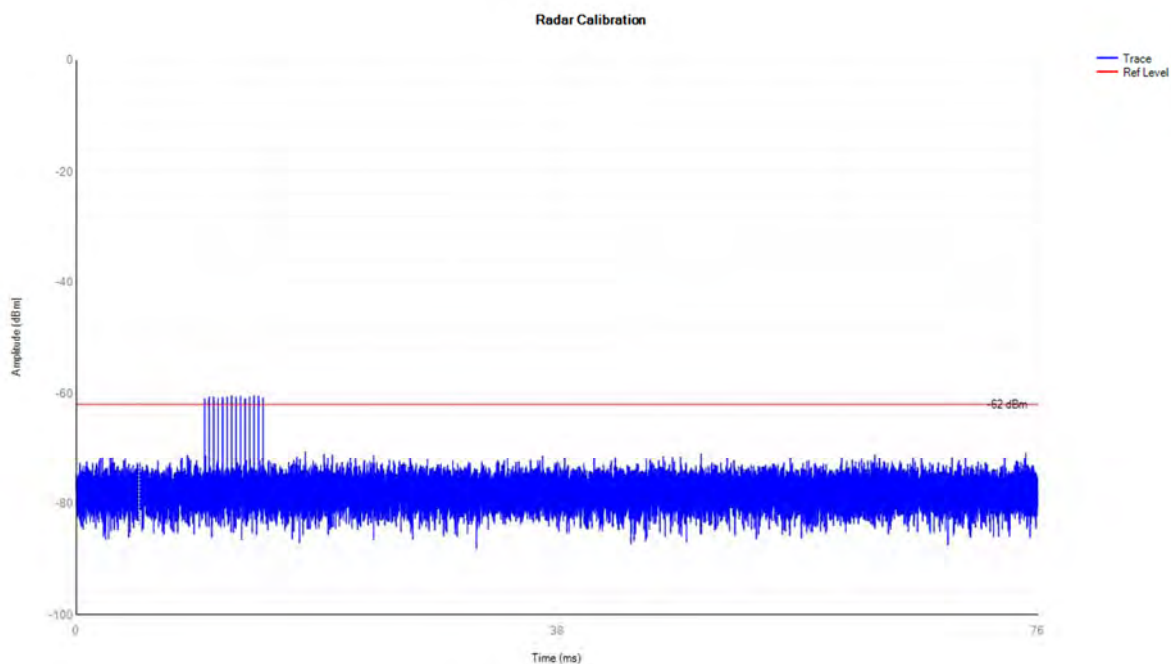
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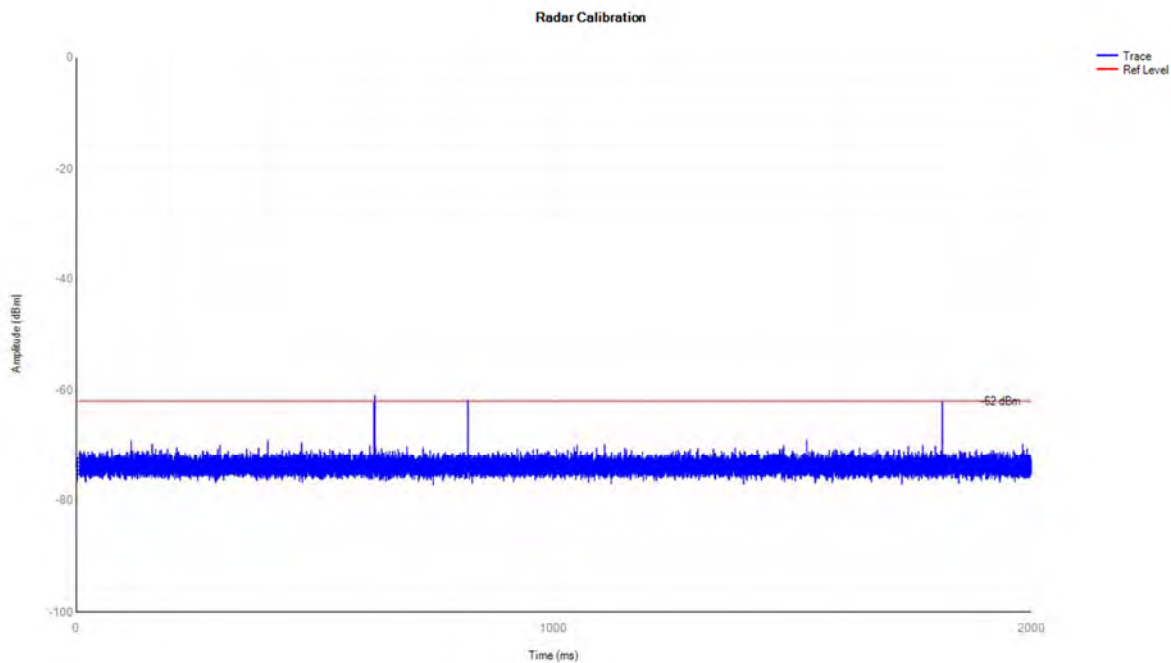
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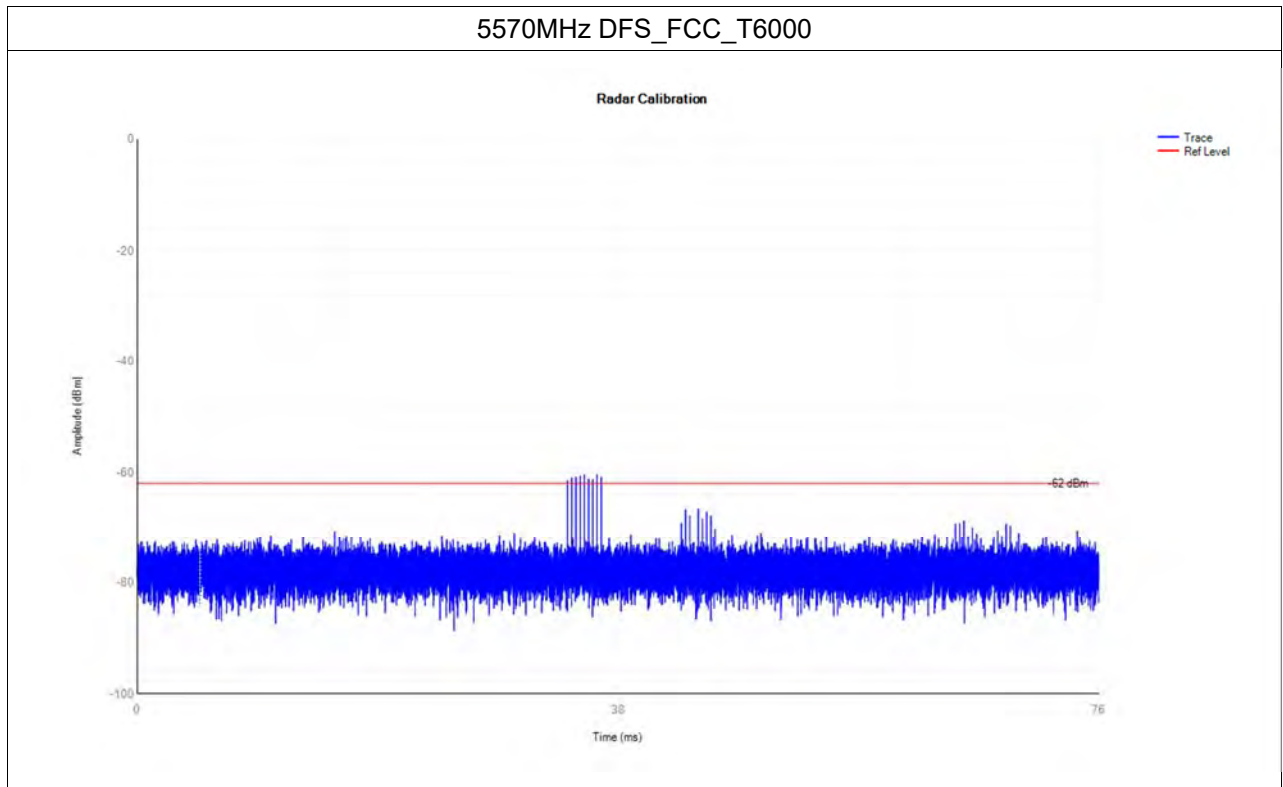
5570MHz DFS_FCC_T4000



5570MHz DFS_FCC_T5000



5570MHz DFS_FCC_T6000





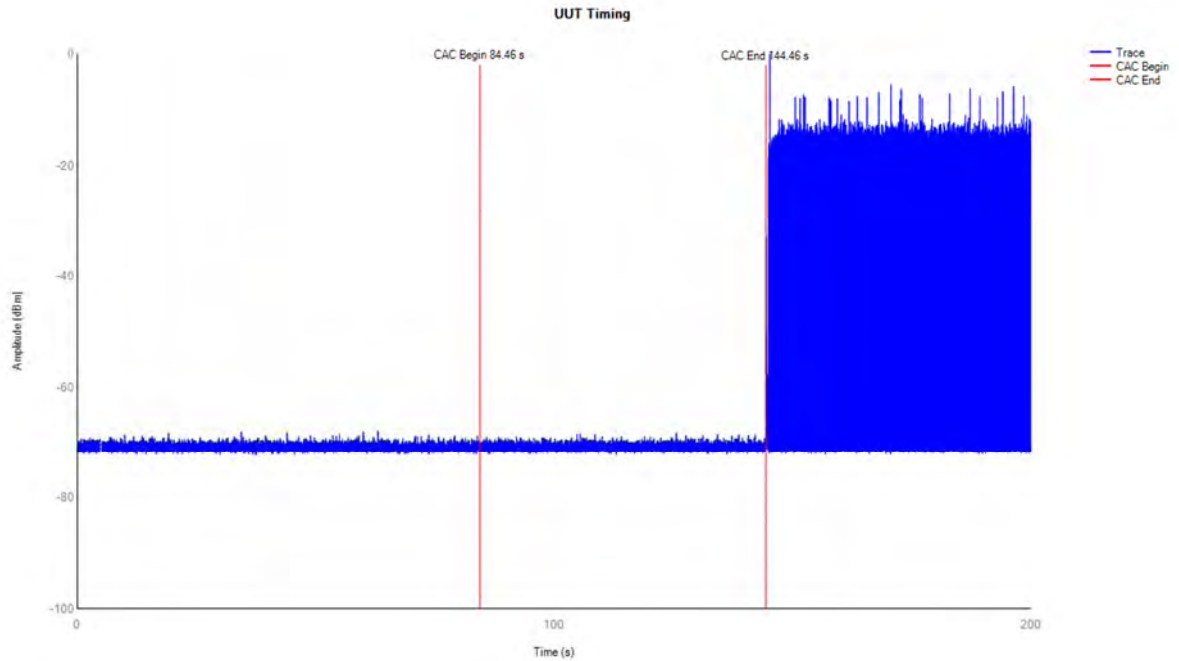
REPORT No.: SZ24050224W02

CAC Initial

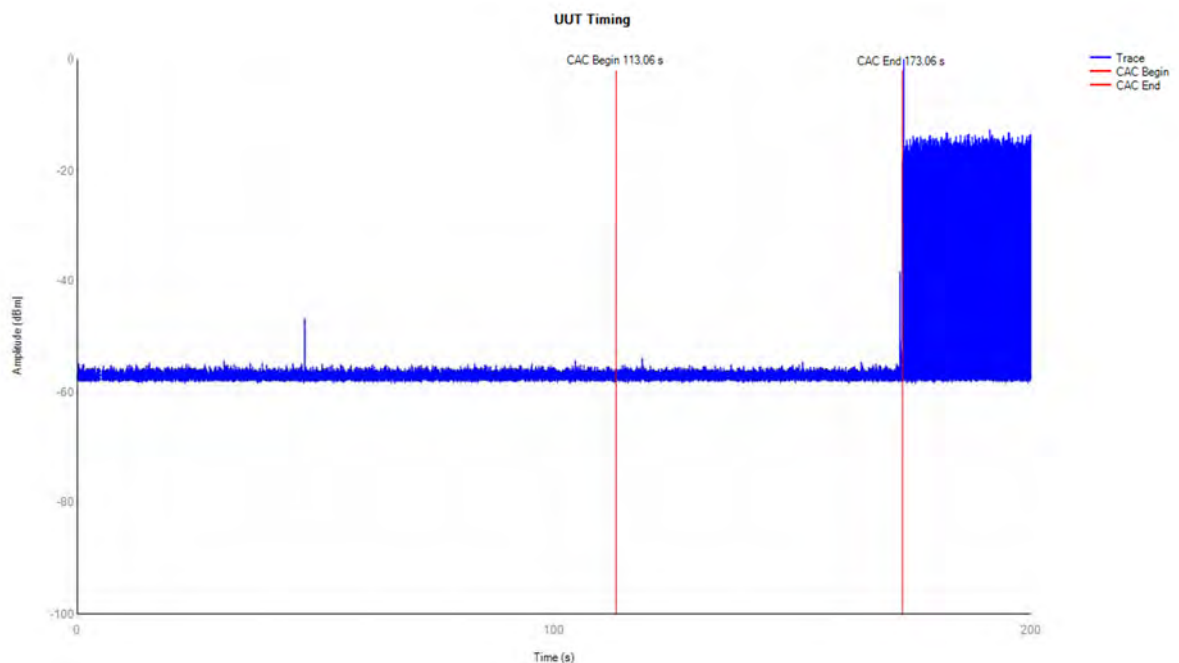
Mode	Frequency (MHz)	Result	Verdict
ax80	5290	See test Graph	Pass
ax160	5570	See test Graph	Pass

Test Graphs

ax80 5290MHz CAC Initial



ax160 5570MHz CAC Initial





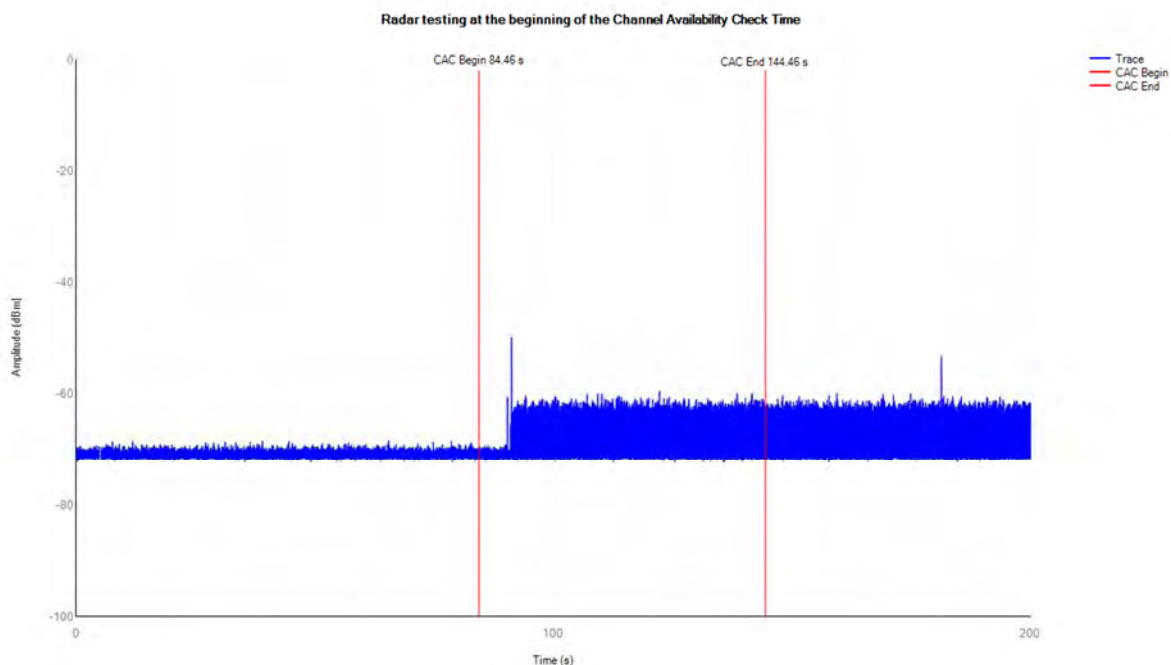
REPORT No.: SZ24050224W02

CAC Begin

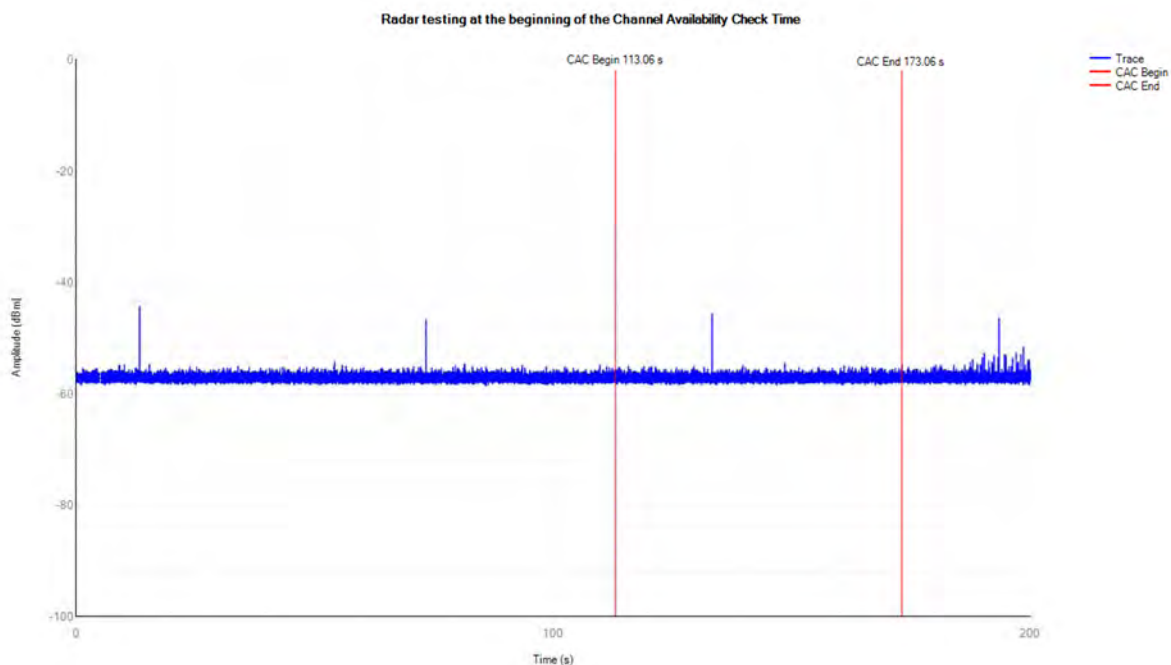
Mode	Frequency (MHz)	Result	Verdict
ax80	5290	See test Graph	Pass
ax160	5570	See test Graph	Pass

Test Graphs

ax80 5290MHz CAC Begin



ax160 5570MHz CAC Begin





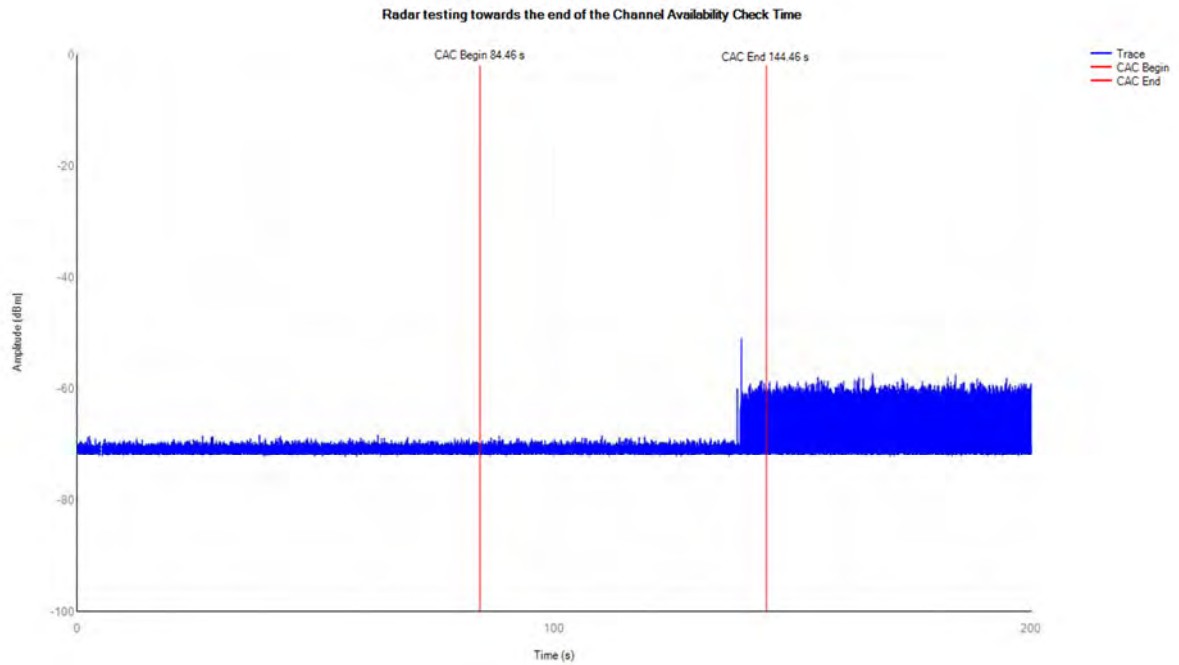
REPORT No.: SZ24050224W02

CAC End

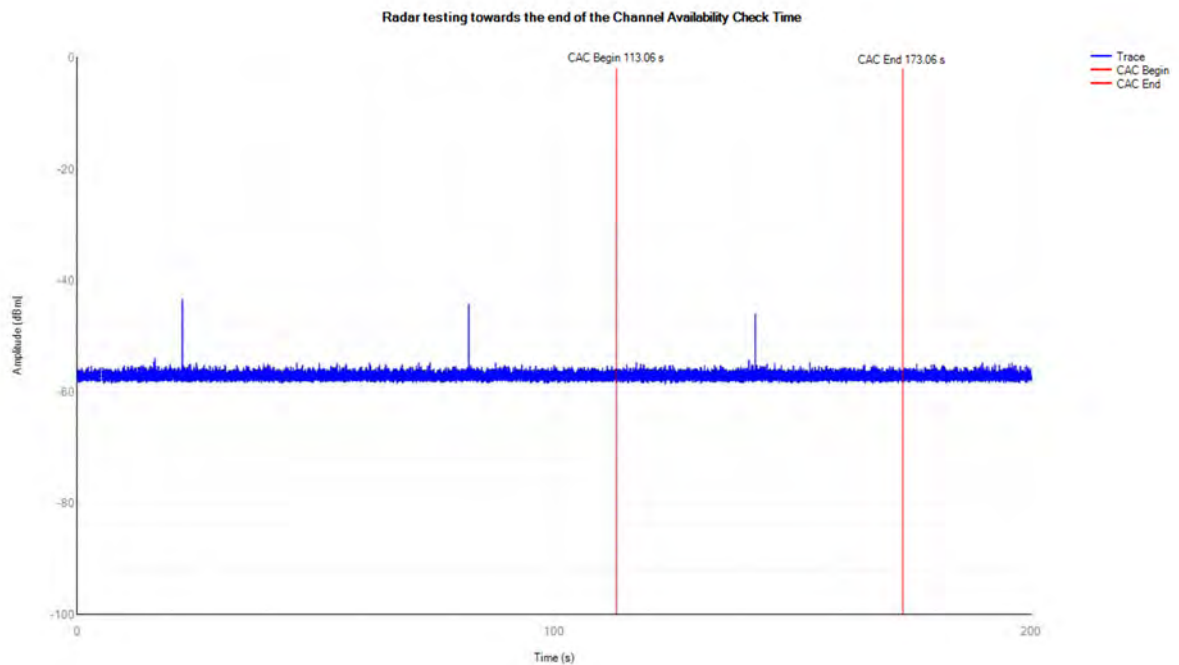
Mode	Frequency (MHz)	Result	Verdict
ax80	5290	See test Graph	Pass
ax160	5570	See test Graph	Pass

Test Graphs

ax80 5290MHz CAC End



ax160 5570MHz CAC End





Detection Bandwidth

Mode	Frequency (MHz)	Offset (MHz)	Detection Threshold (dBm)	Total No.	Detected No.	Detection Rate (%)	Limit (%)	Verdict
ax20	5260	-10	-62	10	10	100.00	90	Pass
ax20	5260	-9	-62	10	10	100.00	90	Pass
ax20	5260	-8	-62	10	10	100.00	90	Pass
ax20	5260	-7	-62	10	10	100.00	90	Pass
ax20	5260	-6	-62	10	10	100.00	90	Pass
ax20	5260	-5	-62	10	10	100.00	90	Pass
ax20	5260	-4	-62	10	10	100.00	90	Pass
ax20	5260	-3	-62	10	10	100.00	90	Pass
ax20	5260	-2	-62	10	10	100.00	90	Pass
ax20	5260	-1	-62	10	10	100.00	90	Pass
ax20	5260	0	-62	10	10	100.00	90	Pass
ax20	5260	1	-62	10	10	100.00	90	Pass
ax20	5260	2	-62	10	10	100.00	90	Pass
ax20	5260	3	-62	10	10	100.00	90	Pass
ax20	5260	4	-62	10	10	100.00	90	Pass
ax20	5260	5	-62	10	10	100.00	90	Pass
ax20	5260	6	-62	10	10	100.00	90	Pass
ax20	5260	7	-62	10	10	100.00	90	Pass
ax20	5260	8	-62	10	10	100.00	90	Pass
ax20	5260	9	-62	10	10	100.00	90	Pass
ax20	5260	10	-62	10	10	100.00	90	Pass
ax20	5500	-10	-62	10	10	100.00	90	Pass
ax20	5500	-9	-62	10	10	100.00	90	Pass
ax20	5500	-8	-62	10	10	100.00	90	Pass
ax20	5500	-7	-62	10	10	100.00	90	Pass
ax20	5500	-6	-62	10	10	100.00	90	Pass
ax20	5500	-5	-62	10	10	100.00	90	Pass
ax20	5500	-4	-62	10	10	100.00	90	Pass
ax20	5500	-3	-62	10	10	100.00	90	Pass
ax20	5500	-2	-62	10	10	100.00	90	Pass
ax20	5500	-1	-62	10	10	100.00	90	Pass
ax20	5500	0	-62	10	10	100.00	90	Pass
ax20	5500	1	-62	10	10	100.00	90	Pass
ax20	5500	2	-62	10	10	100.00	90	Pass



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ax20	5500	3	-62	10	10	100.00	90	Pass
ax20	5500	4	-62	10	10	100.00	90	Pass
ax20	5500	5	-62	10	10	100.00	90	Pass
ax20	5500	6	-62	10	10	100.00	90	Pass
ax20	5500	7	-62	10	10	100.00	90	Pass
ax20	5500	8	-62	10	10	100.00	90	Pass
ax20	5500	9	-62	10	10	100.00	90	Pass
ax20	5500	10	-62	10	10	100.00	90	Pass
ax40	5270	-10	-62	10	10	100.00	90	Pass
ax40	5270	-9	-62	10	10	100.00	90	Pass
ax40	5270	-8	-62	10	10	100.00	90	Pass
ax40	5270	-7	-62	10	10	100.00	90	Pass
ax40	5270	-6	-62	10	10	100.00	90	Pass
ax40	5270	-5	-62	10	10	100.00	90	Pass
ax40	5270	-4	-62	10	10	100.00	90	Pass
ax40	5270	-3	-62	10	10	100.00	90	Pass
ax40	5270	-2	-62	10	10	100.00	90	Pass
ax40	5270	-1	-62	10	10	100.00	90	Pass
ax40	5270	0	-62	10	10	100.00	90	Pass
ax40	5270	1	-62	10	10	100.00	90	Pass
ax40	5270	2	-62	10	10	100.00	90	Pass
ax40	5270	3	-62	10	10	100.00	90	Pass
ax40	5270	4	-62	10	10	100.00	90	Pass
ax40	5270	5	-62	10	10	100.00	90	Pass
ax40	5270	6	-62	10	10	100.00	90	Pass
ax40	5270	7	-62	10	10	100.00	90	Pass
ax40	5270	8	-62	10	10	100.00	90	Pass
ax40	5270	9	-62	10	10	100.00	90	Pass
ax40	5270	10	-62	10	10	100.00	90	Pass
ax40	5510	-10	-62	10	10	100.00	90	Pass
ax40	5510	-9	-62	10	10	100.00	90	Pass
ax40	5510	-8	-62	10	10	100.00	90	Pass
ax40	5510	-7	-62	10	10	100.00	90	Pass
ax40	5510	-6	-62	10	10	100.00	90	Pass
ax40	5510	-5	-62	10	10	100.00	90	Pass
ax40	5510	-4	-62	10	10	100.00	90	Pass
ax40	5510	-3	-62	10	10	100.00	90	Pass
ax40	5510	-2	-62	10	10	100.00	90	Pass



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ax40	5510	-1	-62	10	10	100.00	90	Pass
ax40	5510	0	-62	10	10	100.00	90	Pass
ax40	5510	1	-62	10	10	100.00	90	Pass
ax40	5510	2	-62	10	10	100.00	90	Pass
ax40	5510	3	-62	10	10	100.00	90	Pass
ax40	5510	4	-62	10	10	100.00	90	Pass
ax40	5510	5	-62	10	10	100.00	90	Pass
ax40	5510	6	-62	10	10	100.00	90	Pass
ax40	5510	7	-62	10	10	100.00	90	Pass
ax40	5510	8	-62	10	10	100.00	90	Pass
ax40	5510	9	-62	10	10	100.00	90	Pass
ax40	5510	10	-62	10	10	100.00	90	Pass
ax80	5290	-10	-62	10	10	100.00	90	Pass
ax80	5290	-9	-62	10	10	100.00	90	Pass
ax80	5290	-8	-62	10	10	100.00	90	Pass
ax80	5290	-7	-62	10	10	100.00	90	Pass
ax80	5290	-6	-62	10	10	100.00	90	Pass
ax80	5290	-5	-62	10	10	100.00	90	Pass
ax80	5290	-4	-62	10	10	100.00	90	Pass
ax80	5290	-3	-62	10	10	100.00	90	Pass
ax80	5290	-2	-62	10	10	100.00	90	Pass
ax80	5290	-1	-62	10	10	100.00	90	Pass
ax80	5290	0	-62	10	10	100.00	90	Pass
ax80	5290	1	-62	10	10	100.00	90	Pass
ax80	5290	2	-62	10	10	100.00	90	Pass
ax80	5290	3	-62	10	10	100.00	90	Pass
ax80	5290	4	-62	10	10	100.00	90	Pass
ax80	5290	5	-62	10	10	100.00	90	Pass
ax80	5290	6	-62	10	10	100.00	90	Pass
ax80	5290	7	-62	10	10	100.00	90	Pass
ax80	5290	8	-62	10	10	100.00	90	Pass
ax80	5290	9	-62	10	10	100.00	90	Pass
ax80	5290	10	-62	10	10	100.00	90	Pass
ax80	5530	-10	-62	10	10	100.00	90	Pass
ax80	5530	-9	-62	10	10	100.00	90	Pass
ax80	5530	-8	-62	10	10	100.00	90	Pass
ax80	5530	-7	-62	10	10	100.00	90	Pass
ax80	5530	-6	-62	10	10	100.00	90	Pass



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ax80	5530	-5	-62	10	10	100.00	90	Pass
ax80	5530	-4	-62	10	10	100.00	90	Pass
ax80	5530	-3	-62	10	10	100.00	90	Pass
ax80	5530	-2	-62	10	10	100.00	90	Pass
ax80	5530	-1	-62	10	10	100.00	90	Pass
ax80	5530	0	-62	10	10	100.00	90	Pass
ax80	5530	1	-62	10	10	100.00	90	Pass
ax80	5530	2	-62	10	10	100.00	90	Pass
ax80	5530	3	-62	10	10	100.00	90	Pass
ax80	5530	4	-62	10	10	100.00	90	Pass
ax80	5530	5	-62	10	10	100.00	90	Pass
ax80	5530	6	-62	10	10	100.00	90	Pass
ax80	5530	7	-62	10	10	100.00	90	Pass
ax80	5530	8	-62	10	10	100.00	90	Pass
ax80	5530	9	-62	10	10	100.00	90	Pass
ax80	5530	10	-62	10	10	100.00	90	Pass
ax160	5570	-10	-62	10	10	100.00	90	Pass
ax160	5570	-9	-62	10	10	100.00	90	Pass
ax160	5570	-8	-62	10	10	100.00	90	Pass
ax160	5570	-7	-62	10	10	100.00	90	Pass
ax160	5570	-6	-62	10	10	100.00	90	Pass
ax160	5570	-5	-62	10	10	100.00	90	Pass
ax160	5570	-4	-62	10	10	100.00	90	Pass
ax160	5570	-3	-62	10	10	100.00	90	Pass
ax160	5570	-2	-62	10	10	100.00	90	Pass
ax160	5570	-1	-62	10	10	100.00	90	Pass
ax160	5570	0	-62	10	10	100.00	90	Pass
ax160	5570	1	-62	10	10	100.00	90	Pass
ax160	5570	2	-62	10	10	100.00	90	Pass
ax160	5570	3	-62	10	10	100.00	90	Pass
ax160	5570	4	-62	10	10	100.00	90	Pass
ax160	5570	5	-62	10	10	100.00	90	Pass
ax160	5570	6	-62	10	10	100.00	90	Pass
ax160	5570	7	-62	10	10	100.00	90	Pass
ax160	5570	8	-62	10	10	100.00	90	Pass
ax160	5570	9	-62	10	10	100.00	90	Pass
ax160	5570	10	-62	10	10	100.00	90	Pass



In-Service Monitoring

Mode	Frequency (MHz)	Radar Type	Detection Threshold (dBm)	Total No.	Detected No.	Detection Rate (%)	Limit (%)	Verdict
ax20	5260	Type1	-62	30	29	96.67	60	Pass
ax20	5260	Type2	-62	30	30	100.00	60	Pass
ax20	5260	Type3	-62	30	30	100.00	60	Pass
ax20	5260	Type4	-62	30	30	100.00	60	Pass
ax20	5260	Type5	-62	30	29	96.67	80	Pass
ax20	5260	Type6	-62	30	30	100.00	70	Pass
ax20	5500	Type1	-62	30	29	96.67	60	Pass
ax20	5500	Type2	-62	30	30	100.00	60	Pass
ax20	5500	Type3	-62	30	30	100.00	60	Pass
ax20	5500	Type4	-62	30	30	100.00	60	Pass
ax20	5500	Type5	-62	30	30	100.00	80	Pass
ax20	5500	Type6	-62	30	30	100.00	70	Pass
ax40	5270	Type1	-62	30	29	96.67	60	Pass
ax40	5270	Type2	-62	30	30	100.00	60	Pass
ax40	5270	Type3	-62	30	27	90.00	60	Pass
ax40	5270	Type4	-62	30	28	93.33	60	Pass
ax40	5270	Type5	-62	30	28	93.33	80	Pass
ax40	5270	Type6	-62	30	28	93.33	70	Pass
ax40	5510	Type1	-62	30	27	90.00	60	Pass
ax40	5510	Type2	-62	30	30	100.00	60	Pass
ax40	5510	Type3	-62	30	30	100.00	60	Pass
ax40	5510	Type4	-62	30	30	100.00	60	Pass
ax40	5510	Type5	-62	30	30	100.00	80	Pass
ax40	5510	Type6	-62	30	30	100.00	70	Pass
ax80	5290	Type1	-62	30	27	90.00	60	Pass
ax80	5290	Type2	-62	30	27	90.00	60	Pass
ax80	5290	Type3	-62	30	29	96.67	60	Pass
ax80	5290	Type4	-62	30	30	100.00	60	Pass
ax80	5290	Type5	-62	30	30	100.00	80	Pass
ax80	5290	Type6	-62	30	30	100.00	70	Pass
ax80	5530	Type1	-62	30	29	96.67	60	Pass
ax80	5530	Type2	-62	30	30	100.00	60	Pass
ax80	5530	Type3	-62	30	30	100.00	60	Pass
ax80	5530	Type4	-62	30	29	96.67	60	Pass



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ax80	5530	Type5	-62	30	28	93.33	80	Pass
ax80	5530	Type6	-62	30	30	100.00	70	Pass
ax160	5570	Type1	-62	30	26	86.67	60	Pass
ax160	5570	Type2	-62	30	29	96.67	60	Pass
ax160	5570	Type3	-62	30	30	100.00	60	Pass
ax160	5570	Type4	-62	30	30	100.00	60	Pass
ax160	5570	Type5	-62	30	28	93.33	80	Pass
ax160	5570	Type6	-62	30	30	100.00	70	Pass



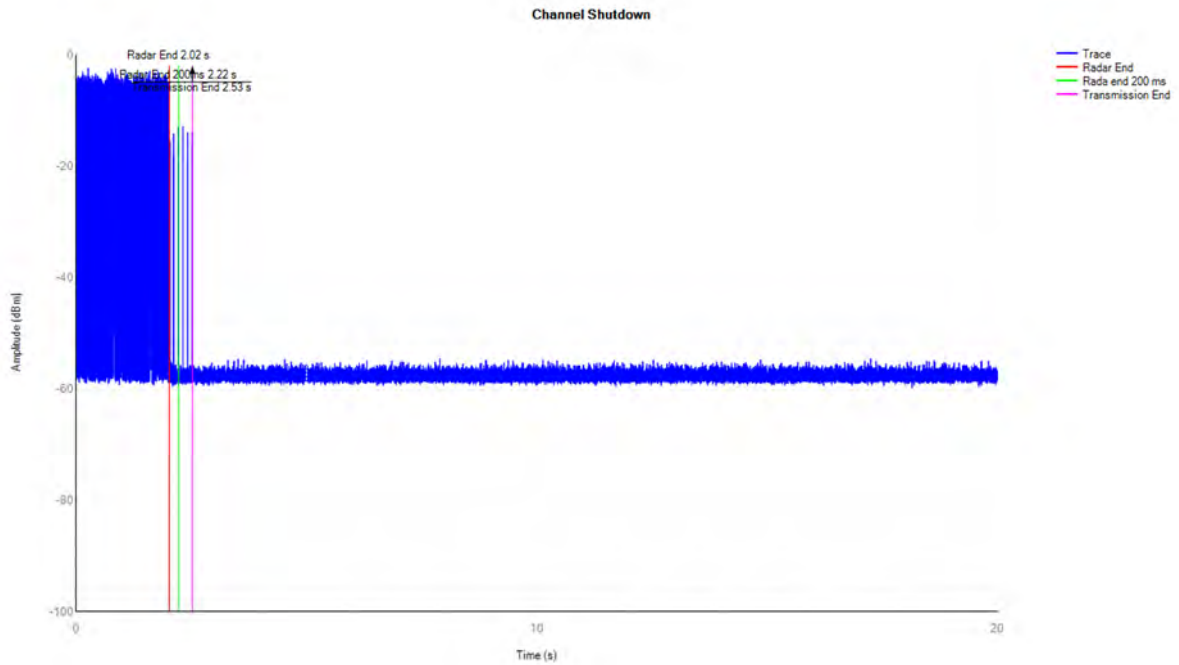
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Channel Move Time and Channel Closing Transmission Time

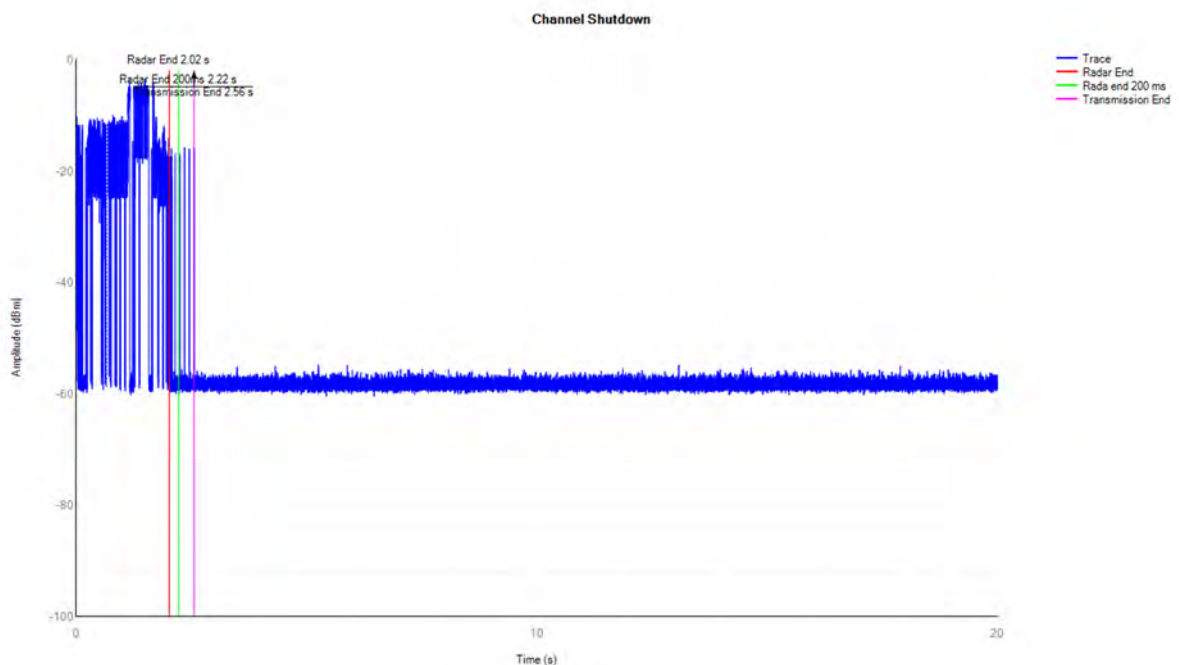
Mode	Frequency (MHz)	Channel Move Time (s)	Limit Channel Move Time (s)	Close Transmission Time (s)	Limit Close Transmission Time (s)	Close Transmission Time after 200ms(s)	Limit Close Transmission Time after 200ms (s)	Verdict
ax80	5290	0.501	10	0.008	0.26	0.004	0.06	Pass
ax160	5570	0.536	10	0.018	0.26	0.005	0.06	Pass

Test Graphs

ax80 5290MHz Shutdown



ax160 5570MHz Shutdown





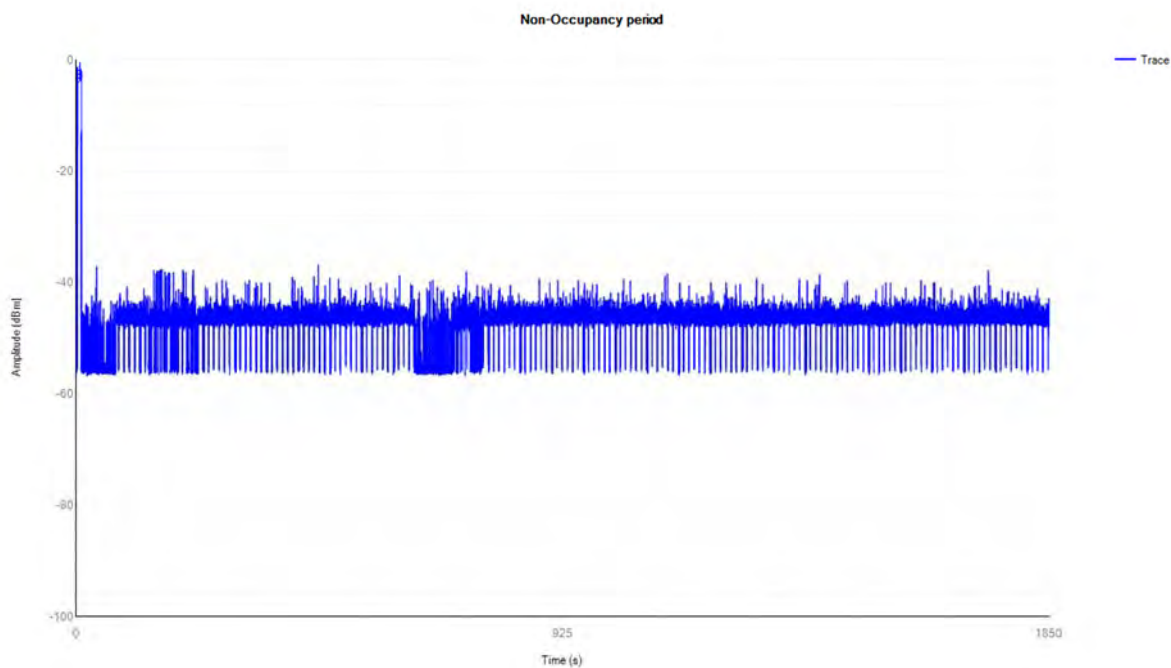
REPORT No.: SZ24050224W02

Non-Occupancy

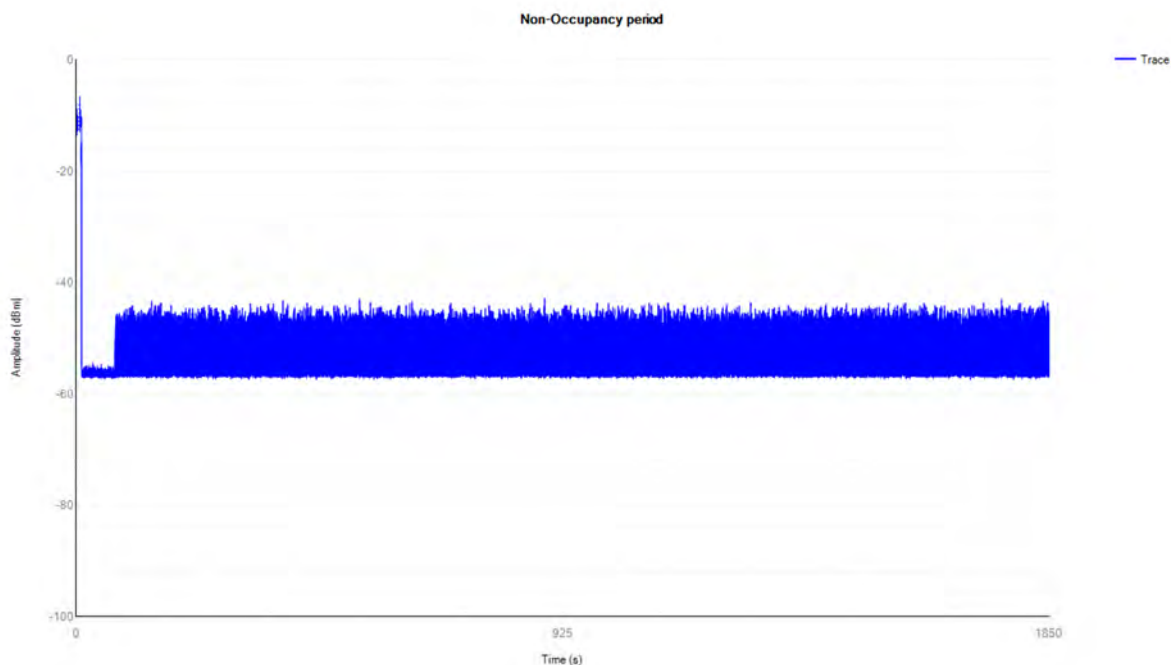
Mode	Frequency (MHz)	Result	Verdict
ax80	5290	See test Graph	Pass
ax160	5570	See test Graph	Pass

Test Graphs

ax80 5290MHz Non-Occupancy



ax160 5570MHz Non-Occupancy





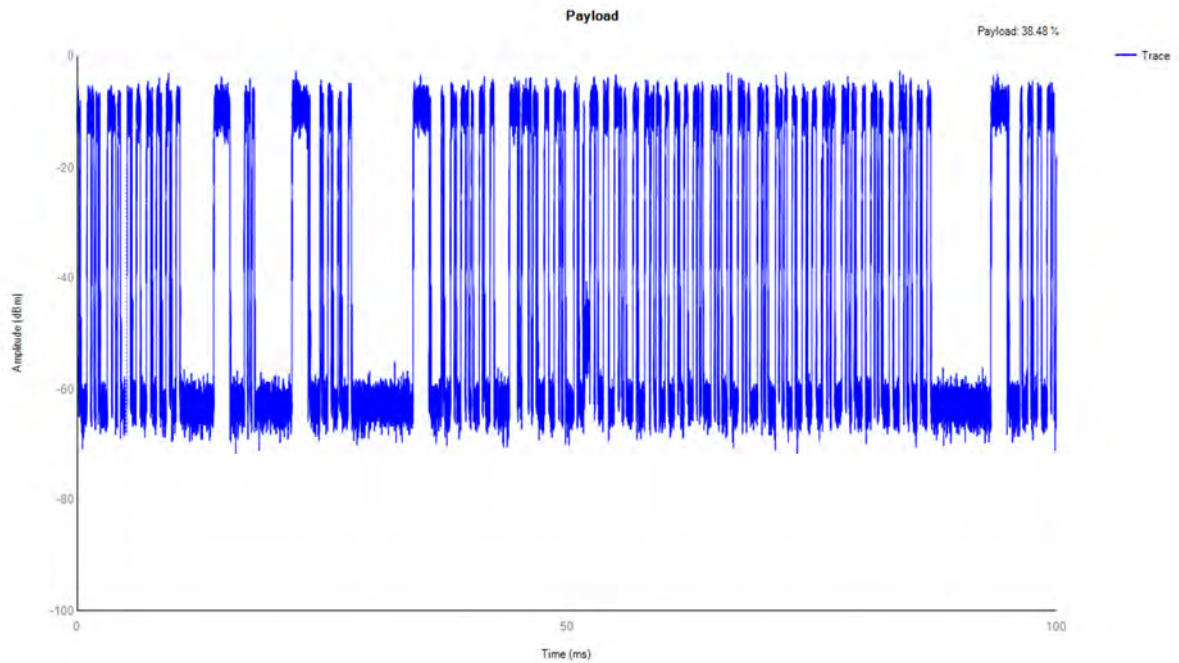
REPORT No.: SZ24050224W02

Payload

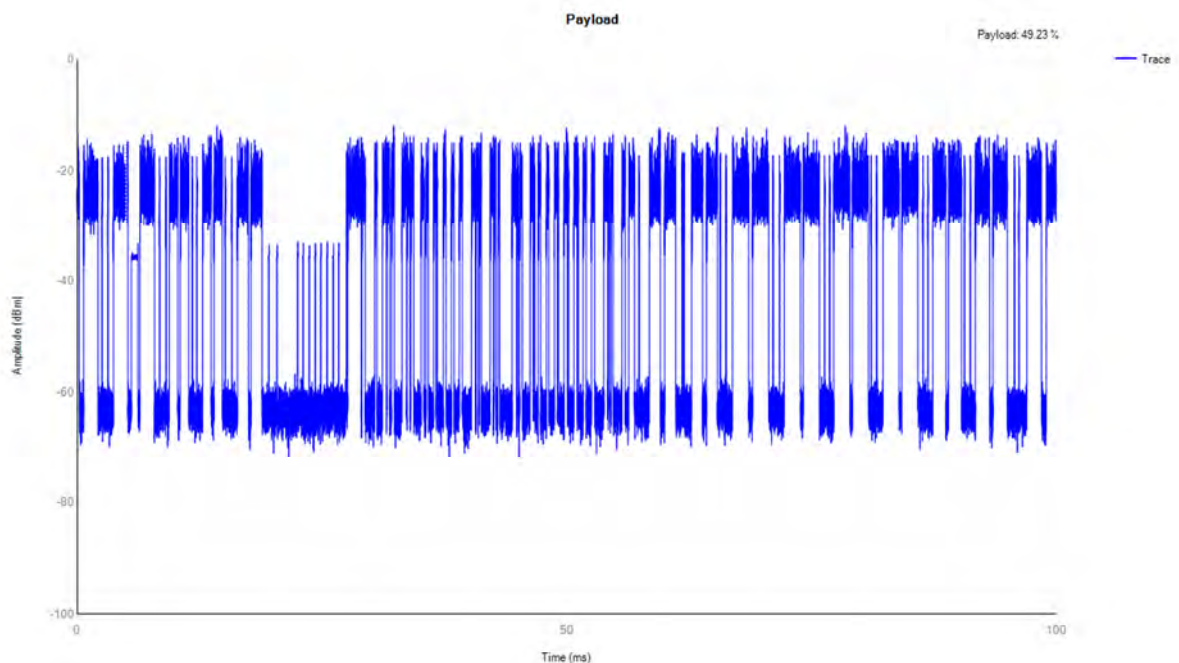
Mode	Frequency (MHz)	Result	Verdict
ax80	5290	38.48	Pass
ax160	5570	49.23	Pass

Test Graphs

ax80 5290MHz Payload



ax160 5570MHz Payload





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 + Adaptor + WIFI TX

Test voltage: AC 120V/60Hz

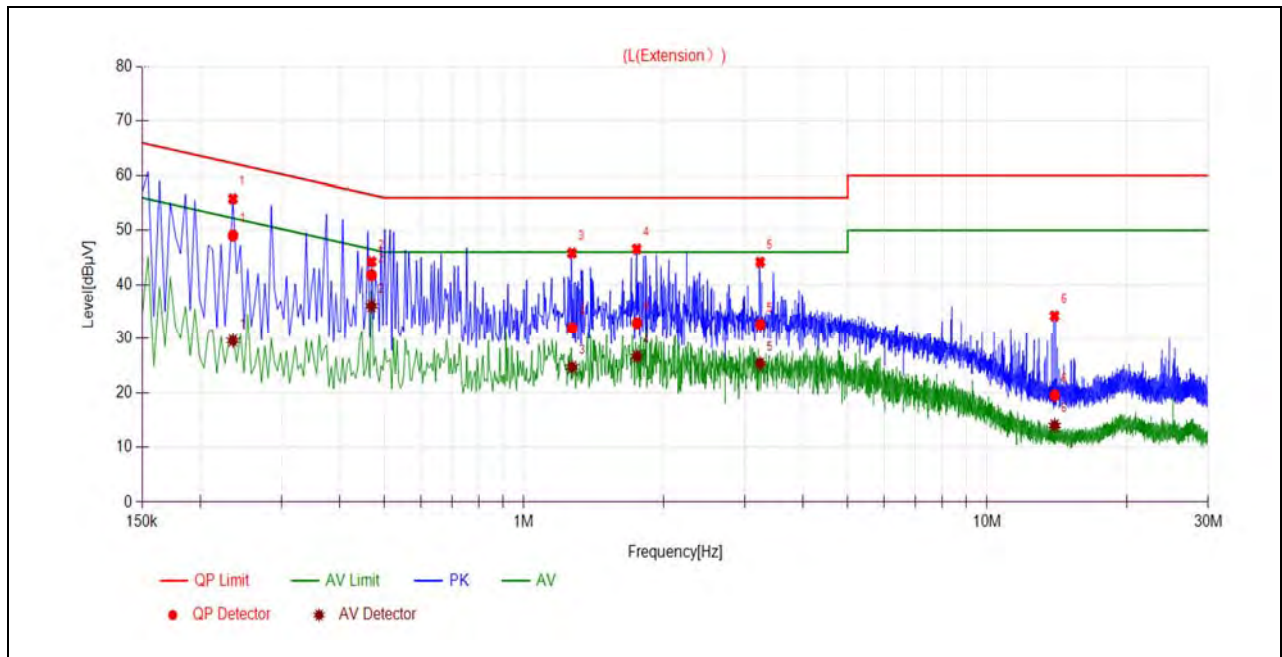
The measurement results are obtained as below:

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

U_R : Receiver Reading

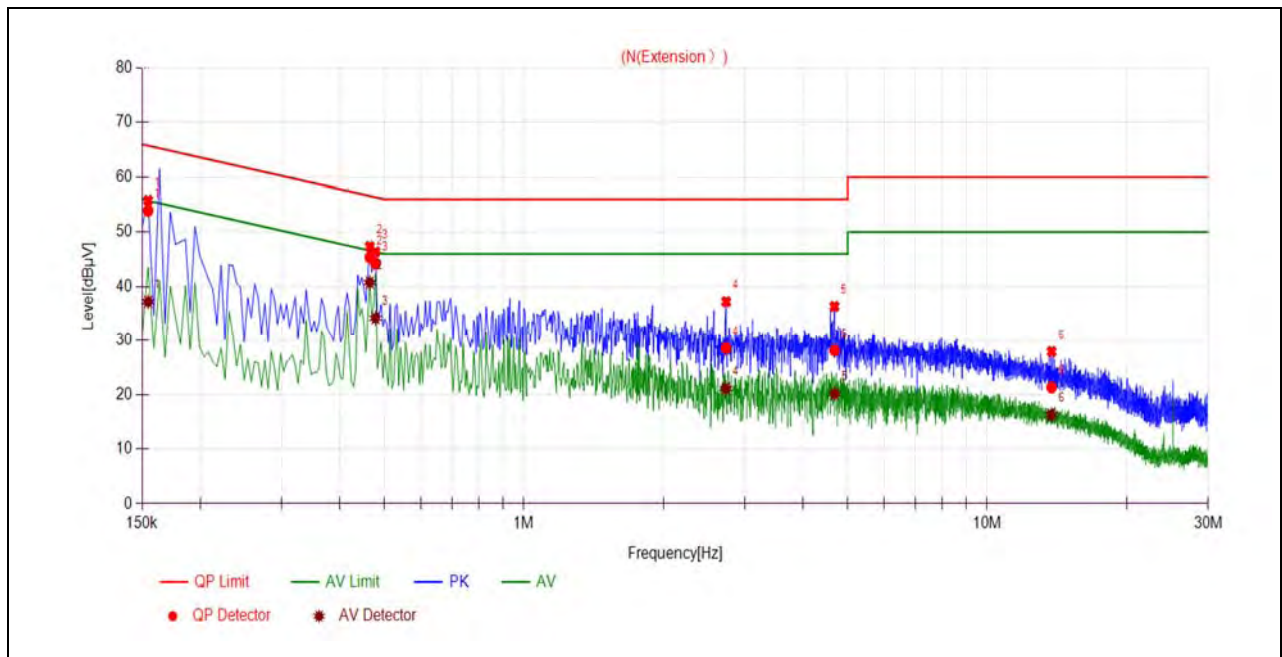
A_{Factor} : Voltage division factor of LISN

B. Test Plot:



(L Phase)

No.	Fre. (MHz)	Emission Level (dBμV)		Limit (dBμV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.2356	49.04	29.59	62.25	52.25	Line	PASS
2	0.4692	41.78	36.10	56.53	46.53		PASS
3	1.2713	31.98	24.68	56.00	46.00		PASS
4	1.7537	32.89	26.63	56.00	46.00		PASS
5	3.2369	32.62	25.32	56.00	46.00		PASS
6	13.9851	19.49	13.97	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	0.1545	53.93	37.23	65.76	55.76	Neutral	PASS
2	0.4649	45.37	40.75	56.61	46.61		PASS
3	0.4785	44.22	34.20	56.36	46.36		PASS
4	2.7309	28.55	21.10	56.00	46.00		PASS
5	4.6850	28.14	20.12	56.00	46.00		PASS
6	13.7688	21.30	16.27	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_{preamp} : Preamplifier Gain

A_{Factor} : Antenna Factor at 3m

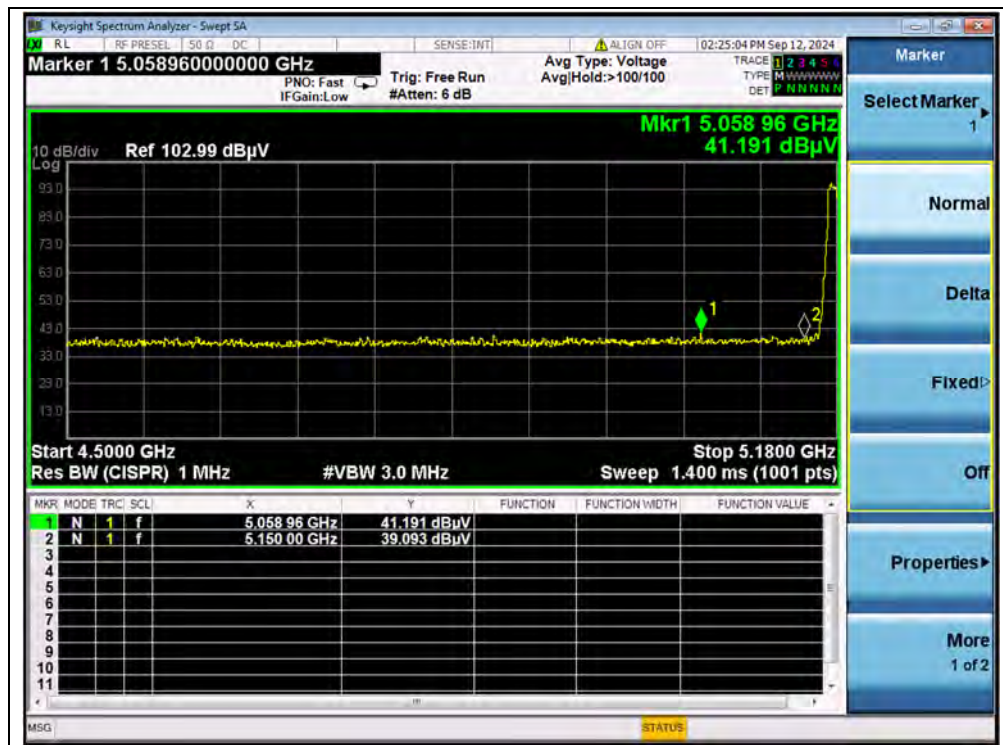
Note 1: Restricted Frequency Bands were performed when antenna was at vertical and horizontal polarity, and only the worse test condition (horizontal) was recorded in this test report.

Note 2: Restricted Frequency Bands were performed in X, Y, Z axis direction, and only the worst axis (X axis) test condition was recorded in this test report.

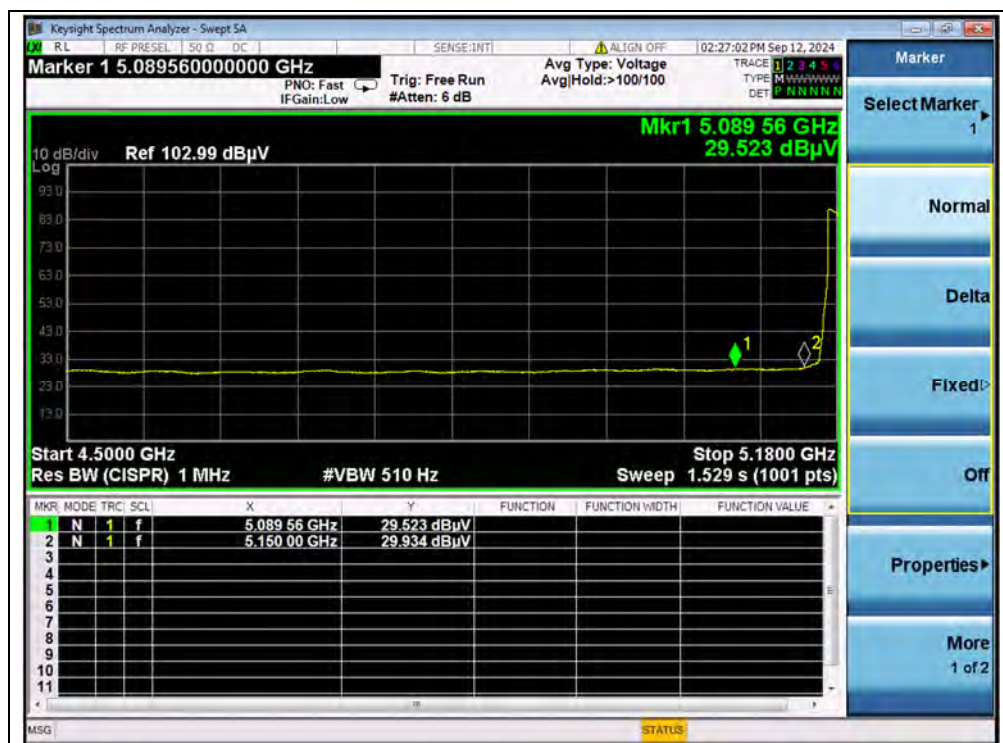
Note 3: All test modes and bandwidth were considered and evaluated respectively by performing full test, only the worst data were recorded for each bandwidth.

802.11a Mode

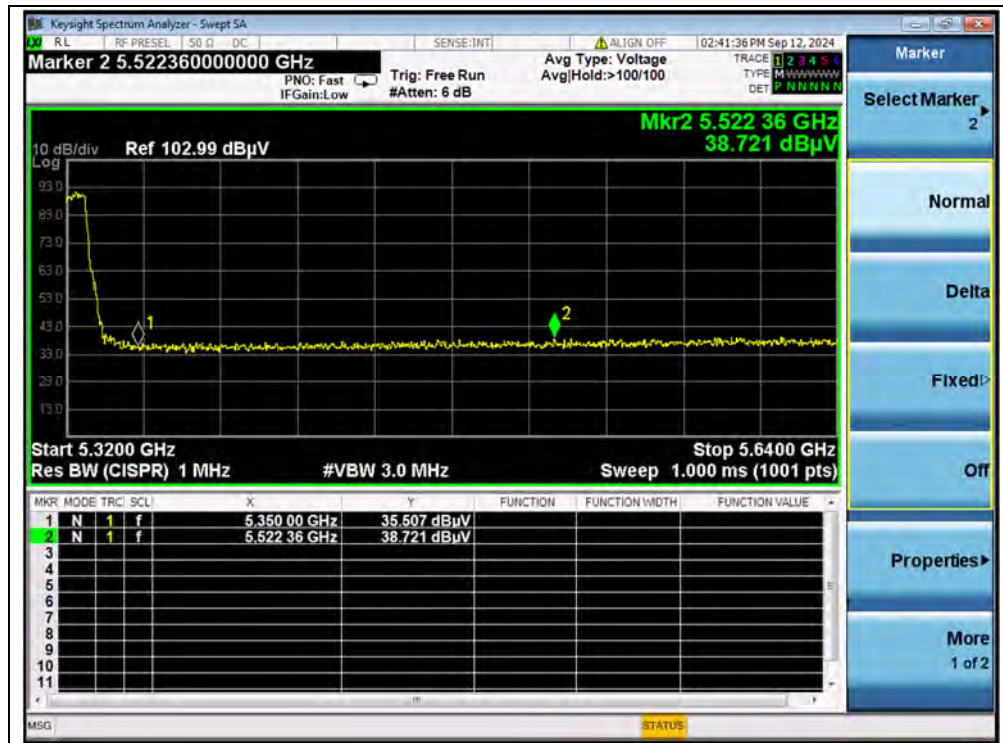
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dB μ V)	A_T (dB)	A_{Factor} (dB @3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV						
36	5058.96	PK	41.19	-16.90	32.20	56.49	74	PASS
36	5150.00	AV	29.93	-16.90	32.20	45.23	54	PASS
64	5522.36	PK	38.72	-15.40	32.20	55.52	74	PASS
64	5350.84	AV	27.63	-15.40	32.20	44.43	54	PASS
100	5218.79	PK	39.46	-16.00	32.20	55.66	68.23	PASS
100	5103.53	AV	28.98	-16.00	32.20	45.18	54	PASS
144	5755.80	PK	39.18	-16.00	32.20	55.38	68.23	PASS
149	5725.00	PK	38.51	-14.70	32.20	56.01	122.23	PASS
165	5850.00	PK	36.89	-14.70	32.20	54.39	122.23	PASS



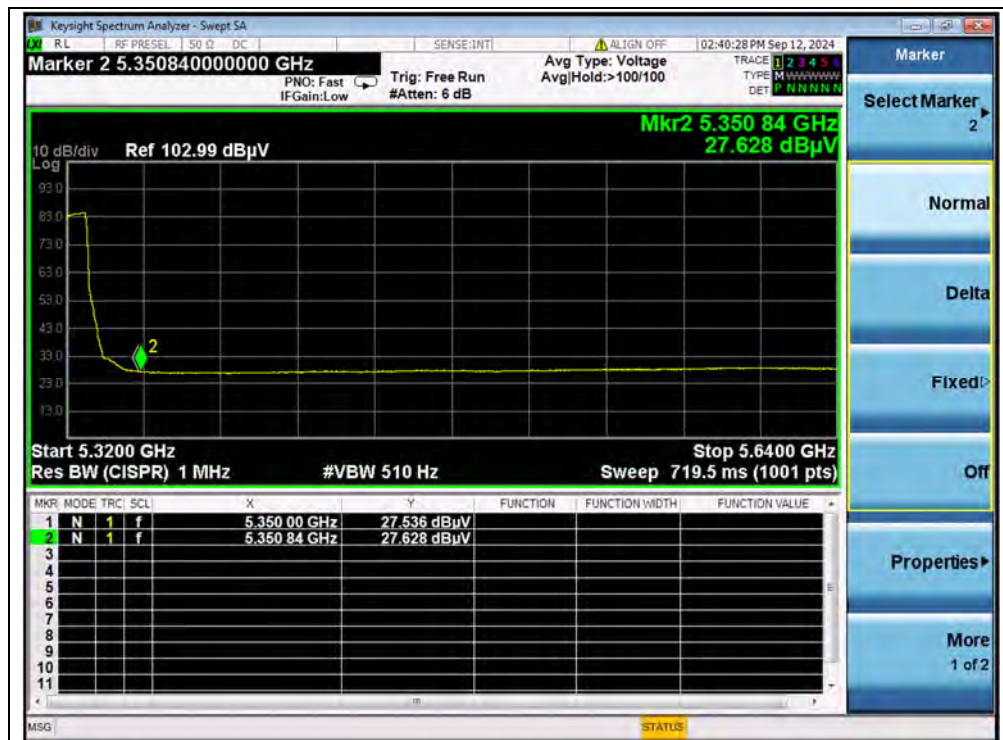
(PEAK, Channel 36, 802.11a)



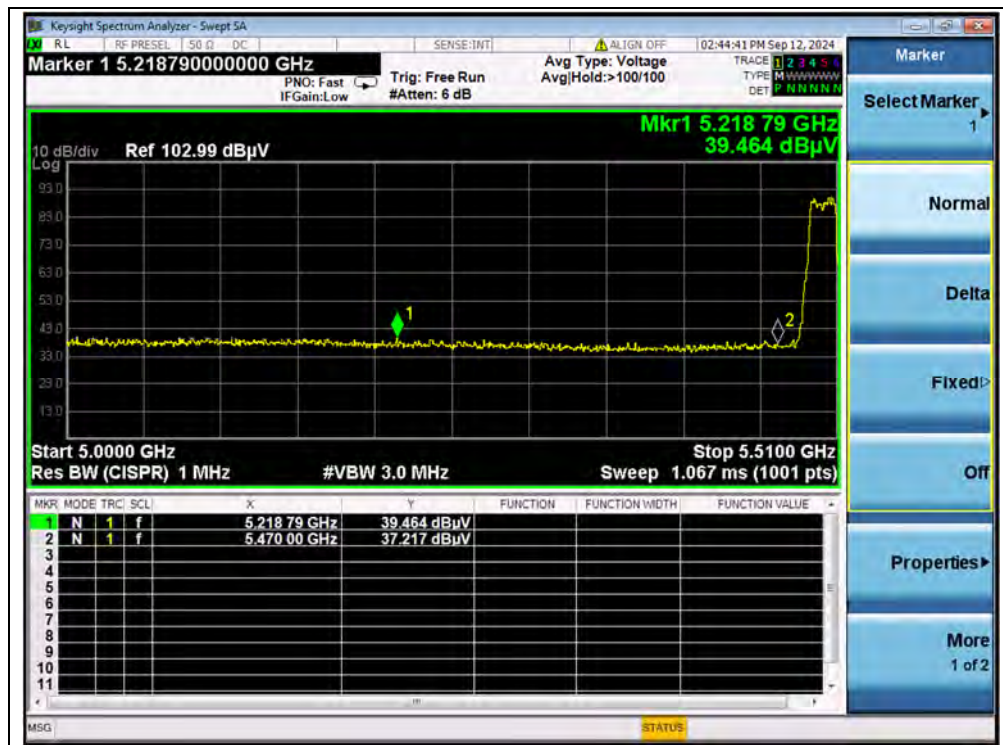
(AVERAGE, Channel 36, 802.11a)



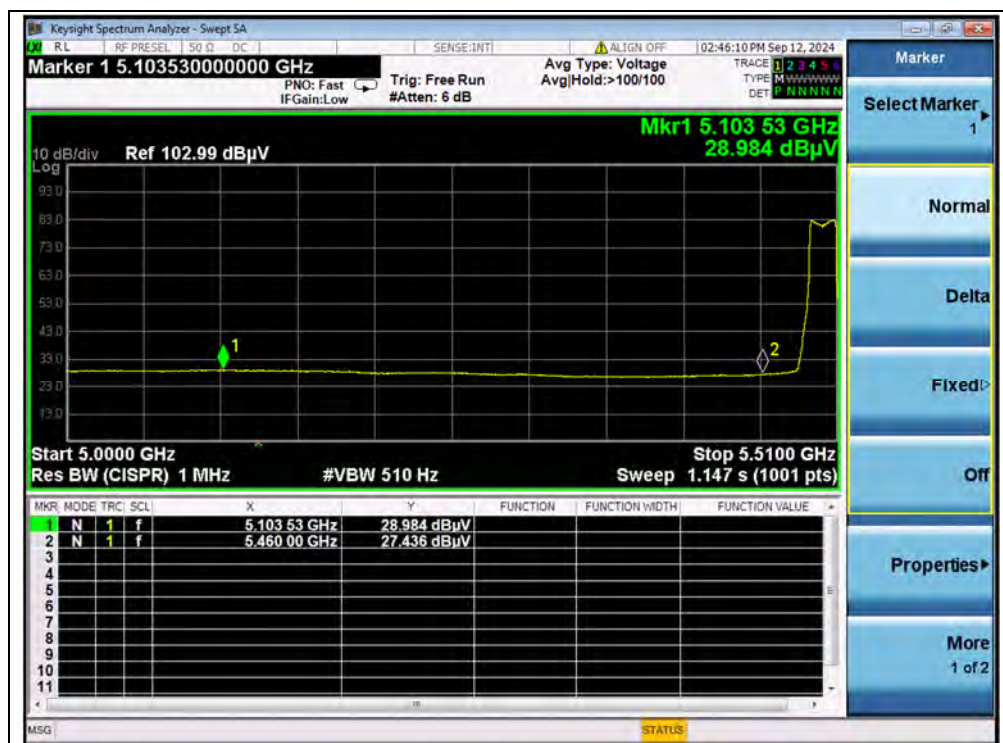
(PEAK, Channel 64, 802.11a)



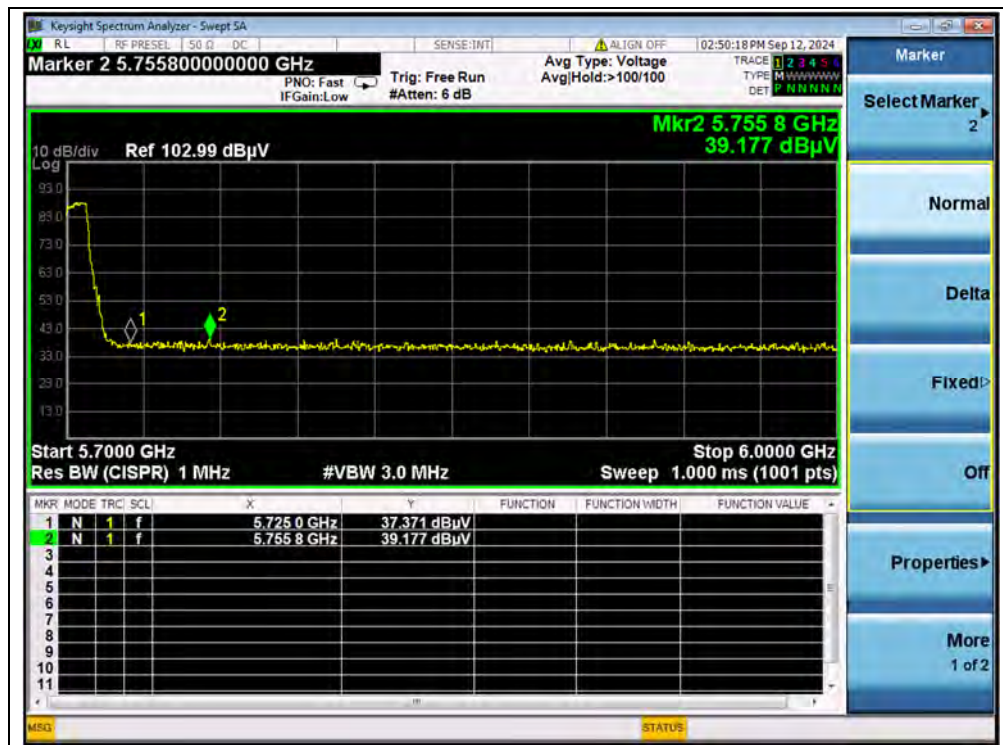
(AVERAGE, Channel 64, 802.11a)



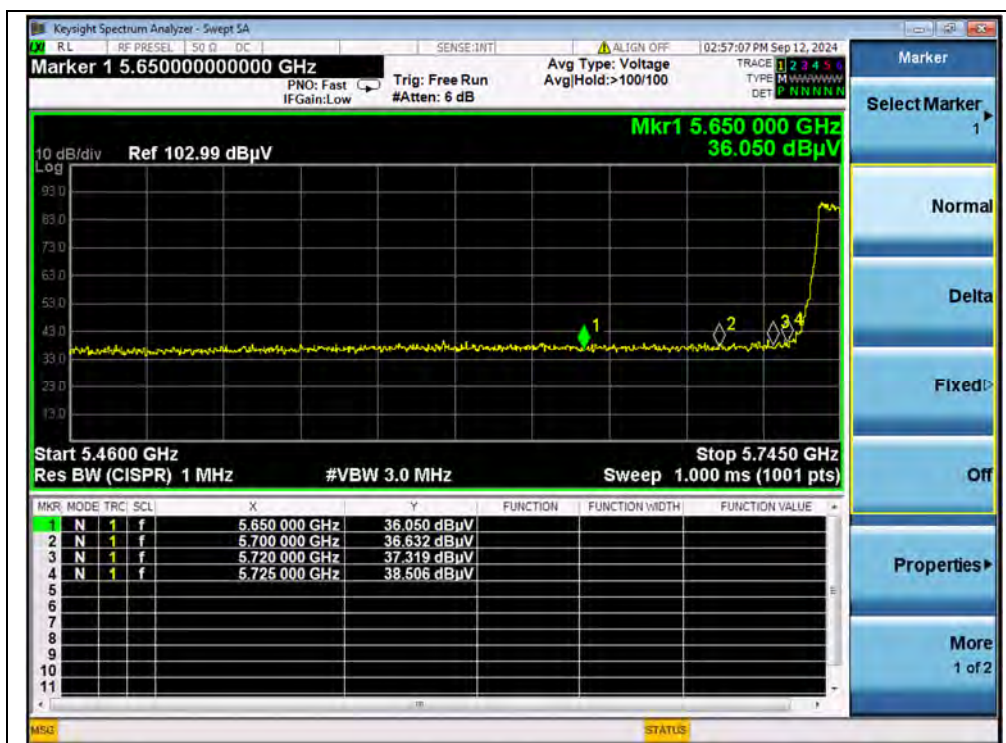
(PEAK, Channel 100, 802.11a)



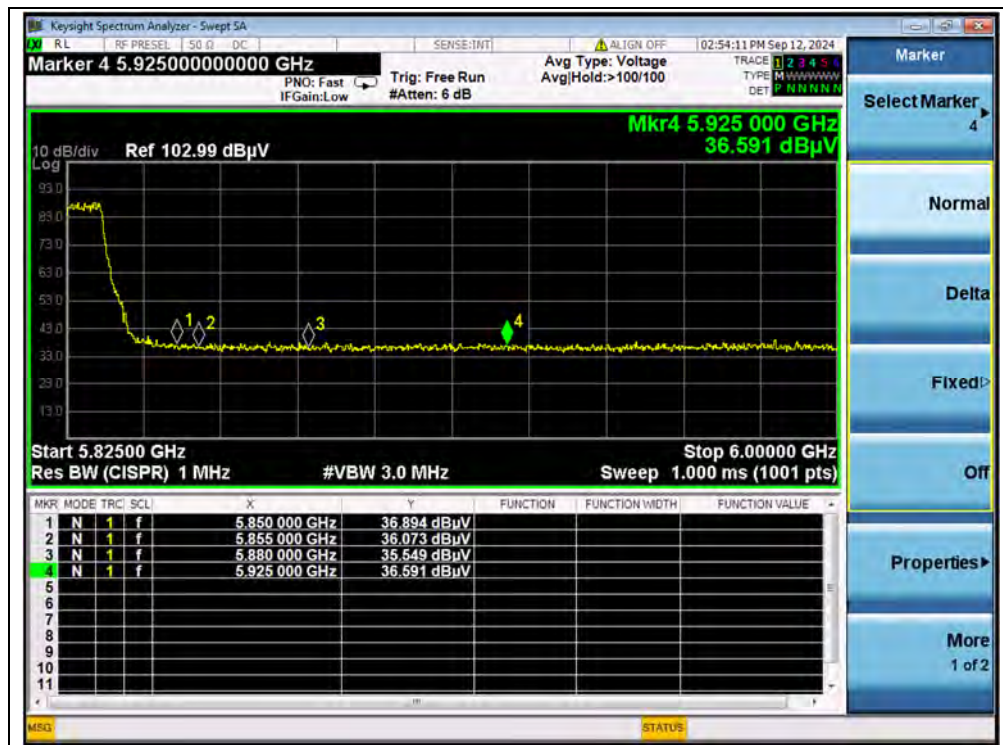
(AVERAGE, Channel 100, 802.11a)



(PEAK, Channel 144, 802.11a)



(PEAK, Channel 149, 802.11a)

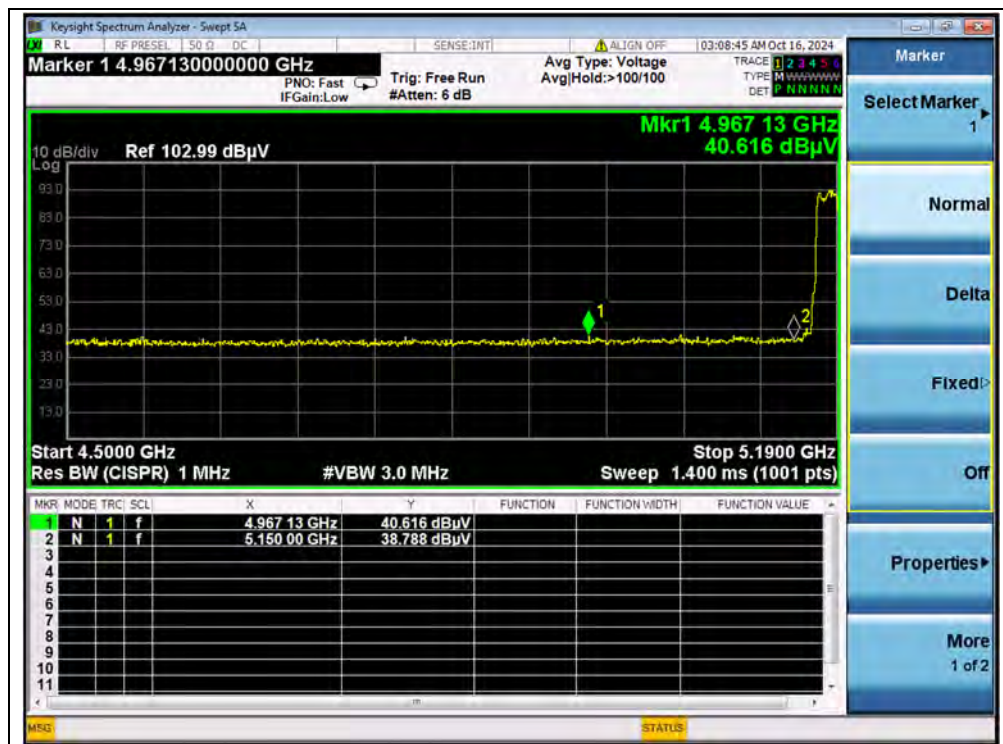


(PEAK, Channel 165, 802.11a)

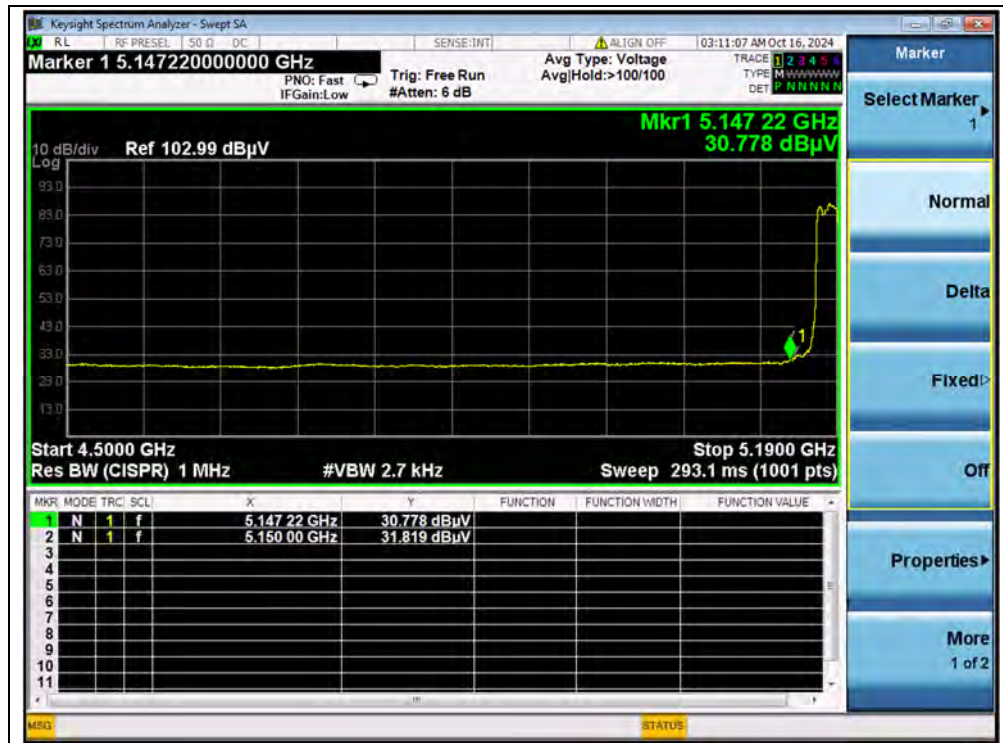


802.11n (HT40) Mode

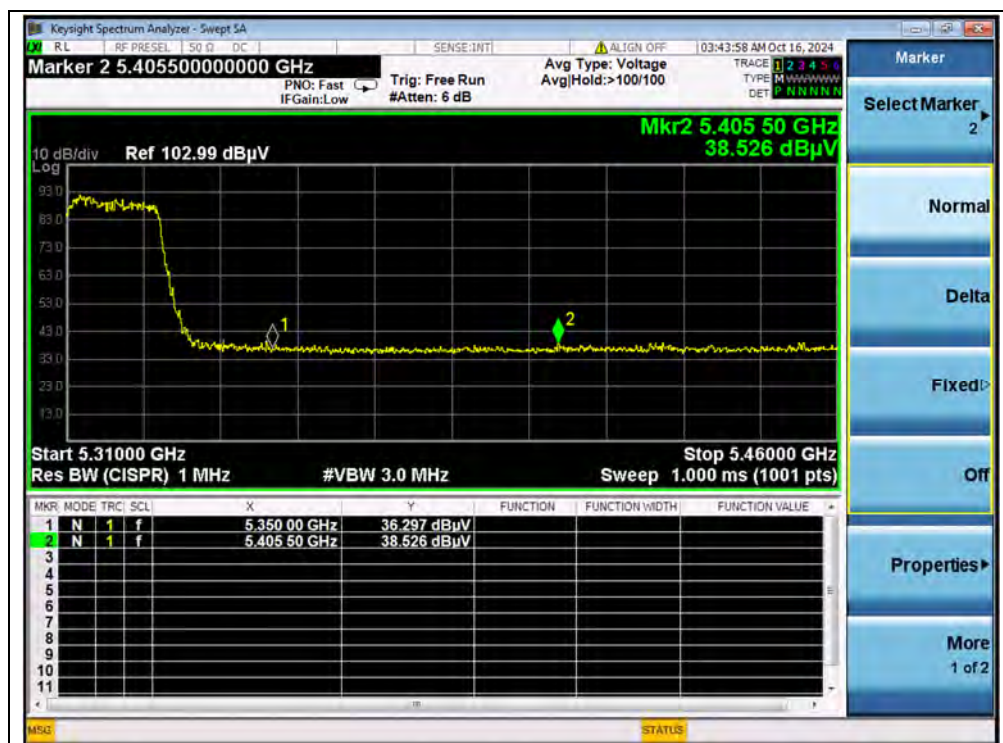
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dBμV)	A_T (dB)	A_{Factor} (dB @3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV						
38	4967.13	PK	40.62	-16.90	32.20	55.92	74	PASS
38	5150.00	AV	31.82	-16.90	32.20	47.12	54	PASS
62	5405.50	PK	38.53	-15.40	32.20	55.33	74	PASS
62	5351.05	AV	29.17	-15.40	32.20	45.97	54	PASS
102	5463.59	PK	38.79	-16.00	32.20	54.99	68.23	PASS
102	5460.00	AV	28.71	-16.00	32.20	44.91	54	PASS
142	5746.89	PK	40.24	-16.00	32.20	56.44	68.23	PASS
151	5725.00	PK	41.25	-14.70	32.20	58.75	110.83	PASS
159	5850.00	PK	38.39	-14.70	32.20	55.89	122.23	PASS



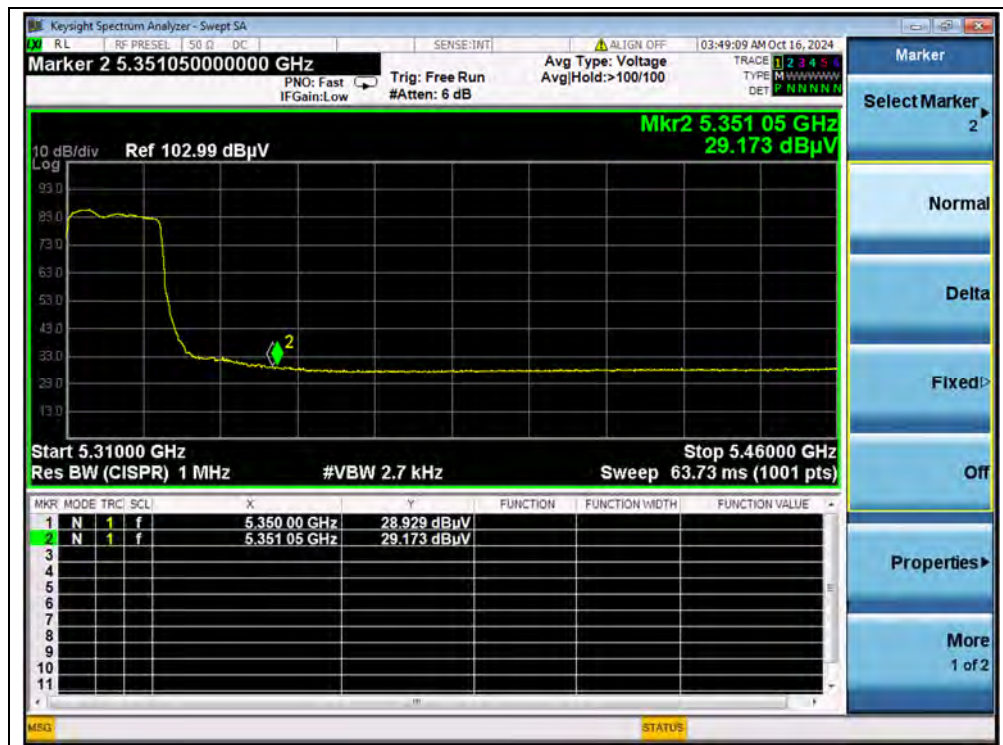
(PEAK, Channel 38, 802.11n (HT40))



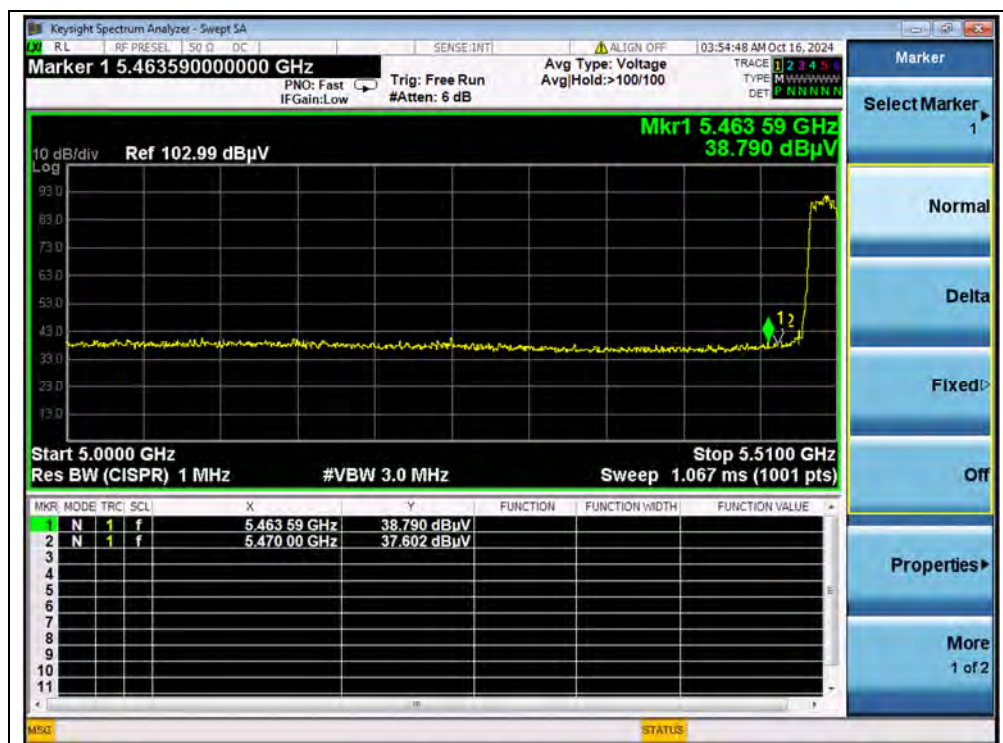
(AVERAGE, Channel 38, 802.11n (HT40))



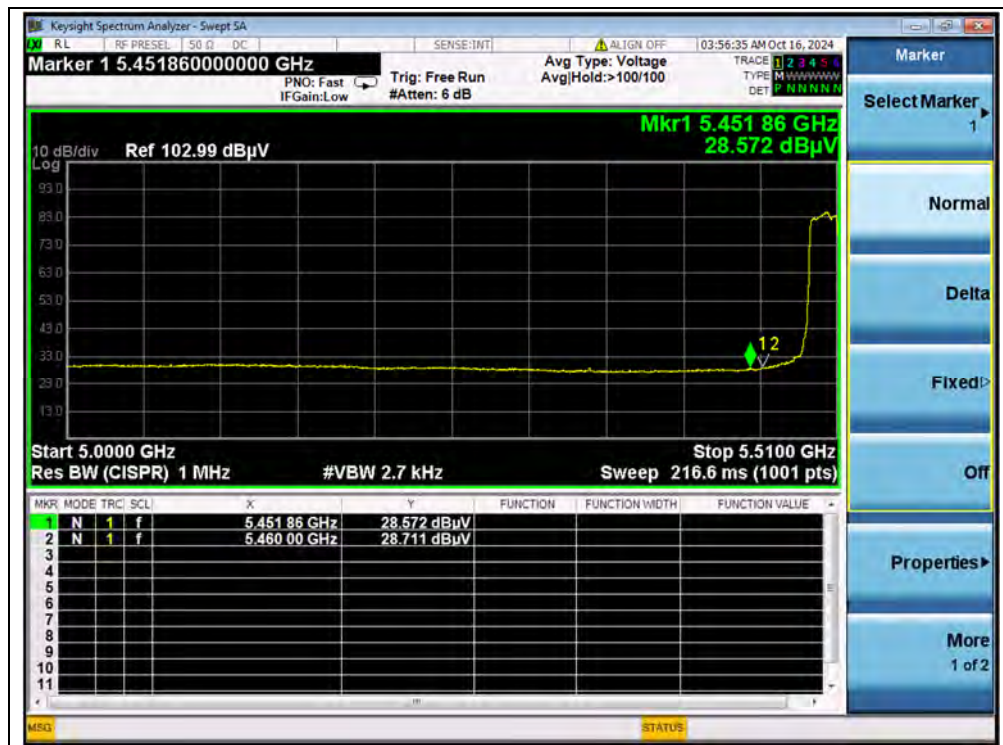
(PEAK, Channel 62, 802.11n (HT40))



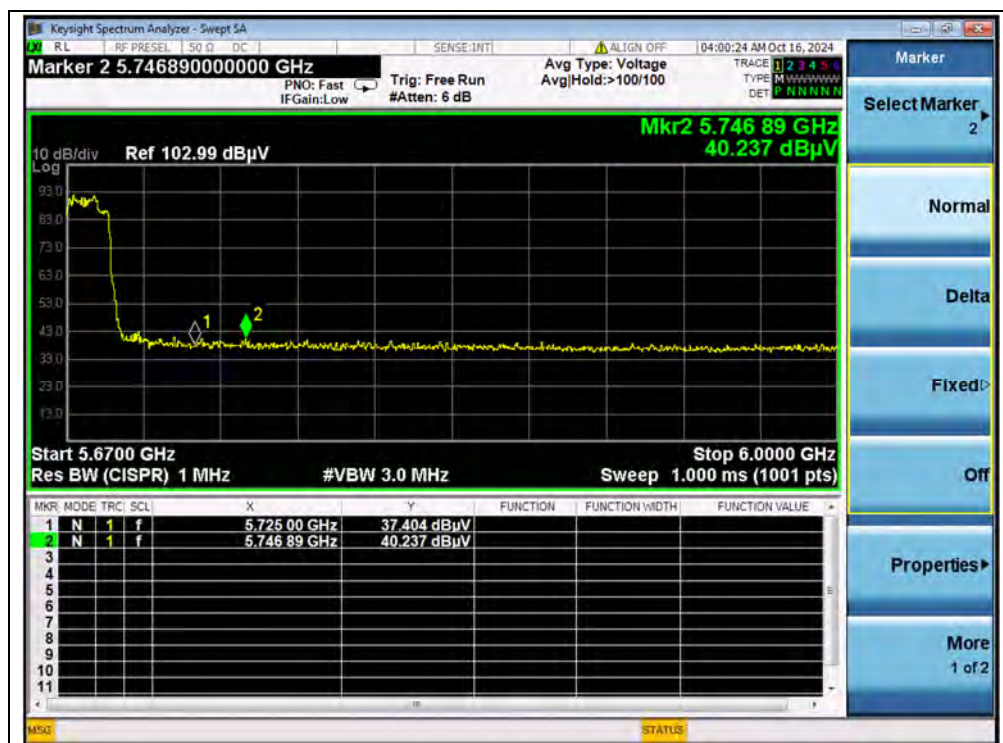
(AVERAGE, Channel 62, 802.11n (HT40))



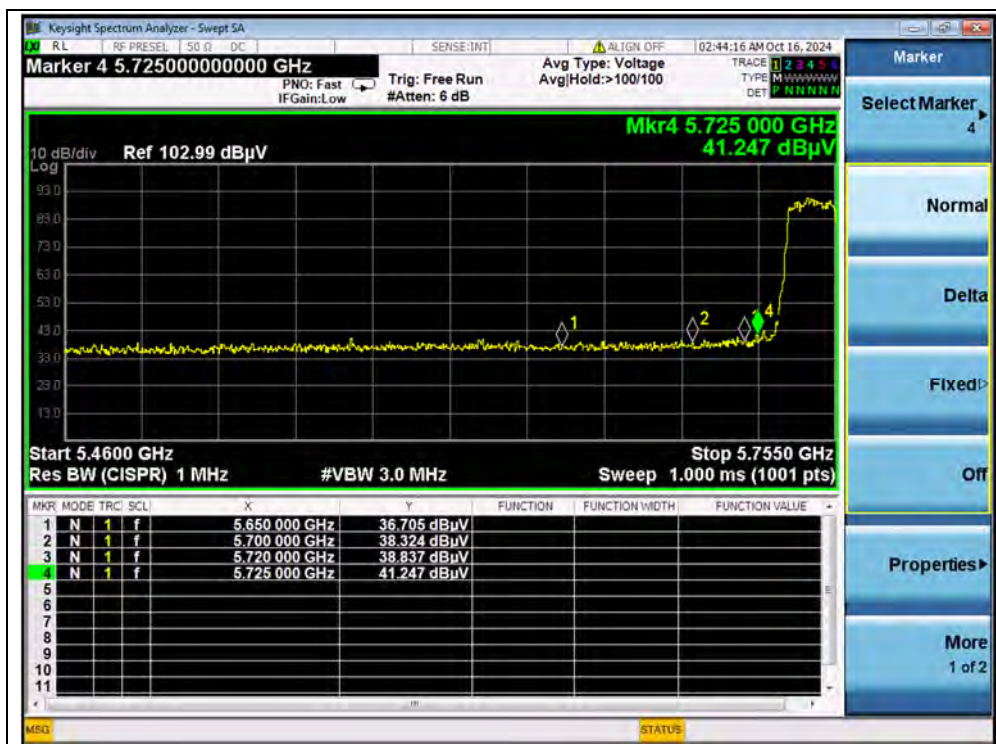
(PEAK, Channel 102, 802.11n (HT40))



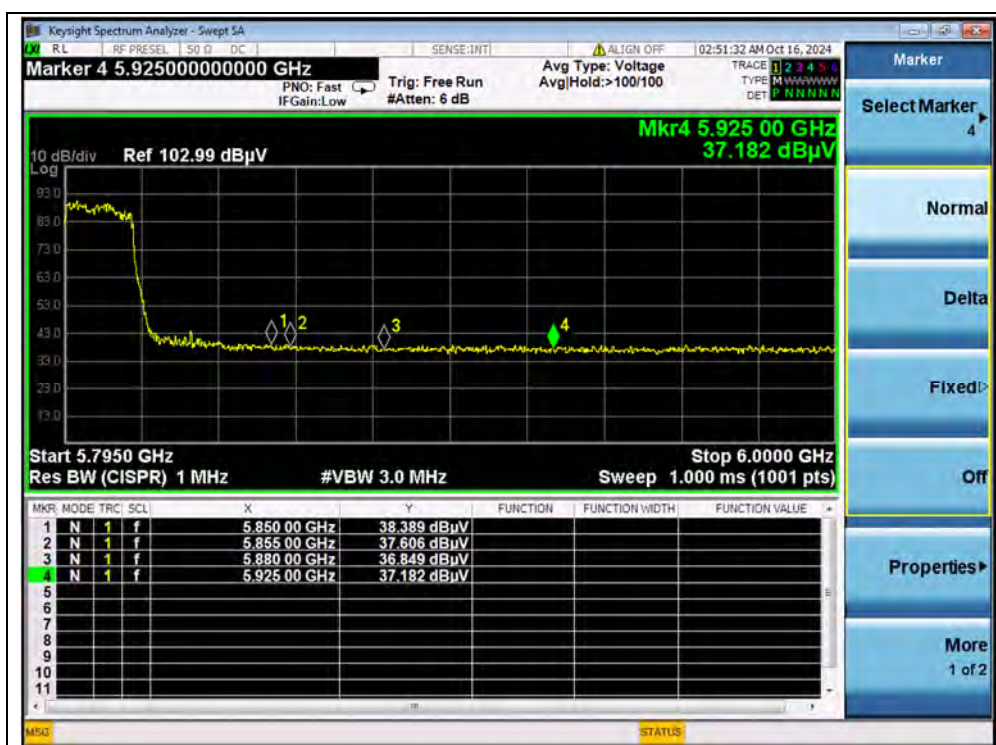
(AVERAGE, Channel 102, 802.11n (HT40))



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



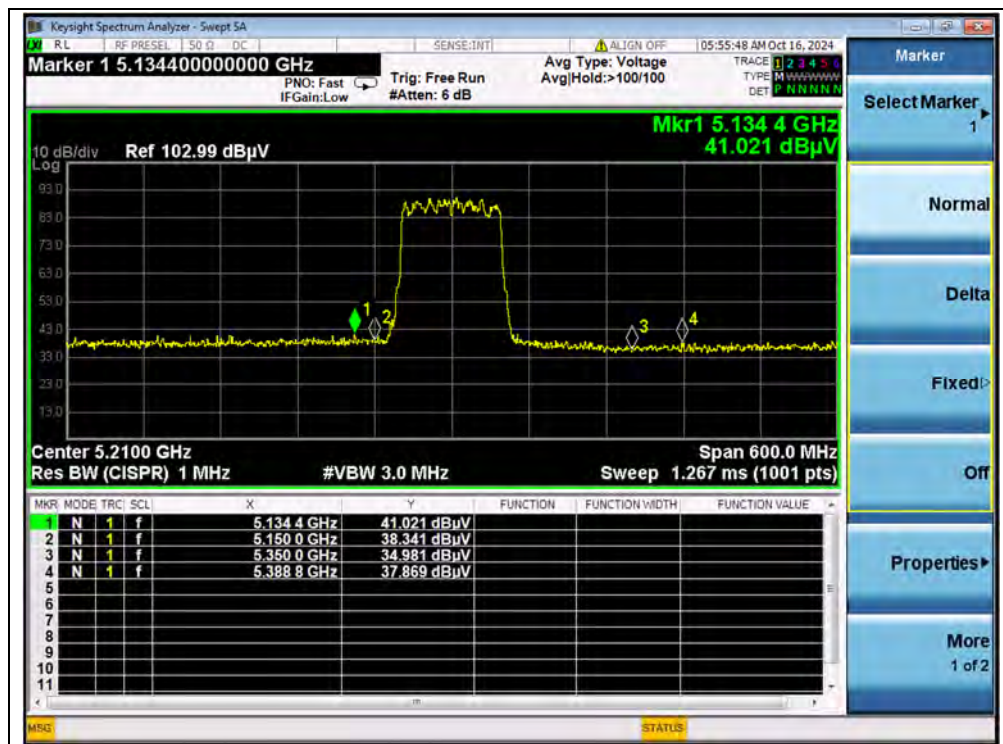
(PEAK, Channel 151, 802.11n (HT40))



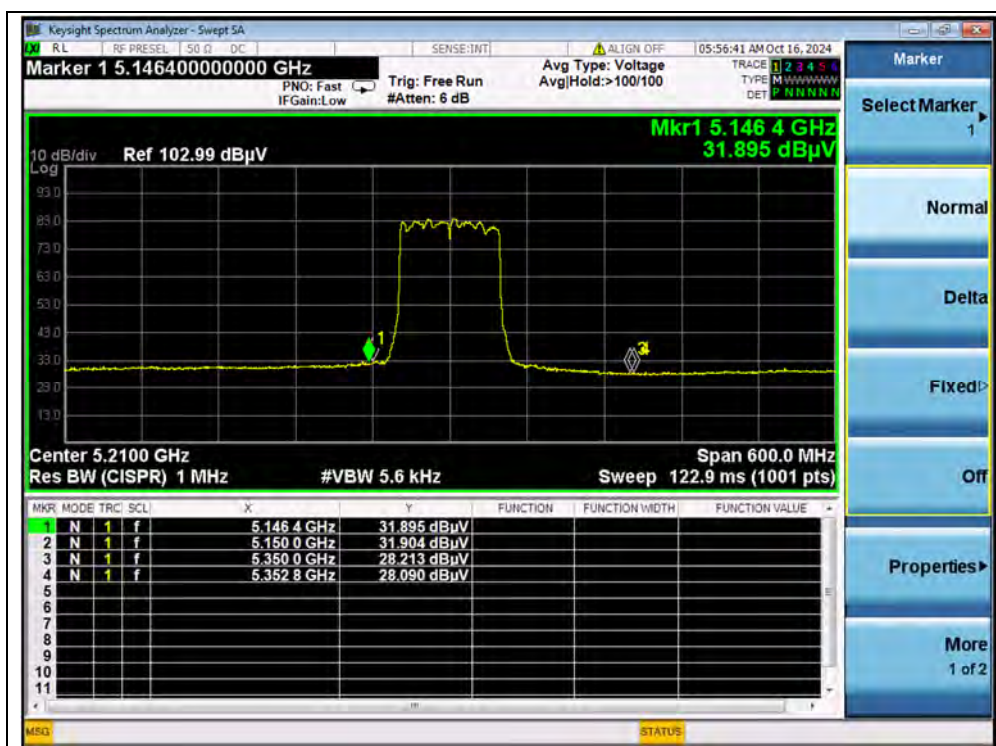
(PEAK, Channel 159, 802.11n (HT40))

**802.11ac (VHT80) Mode**

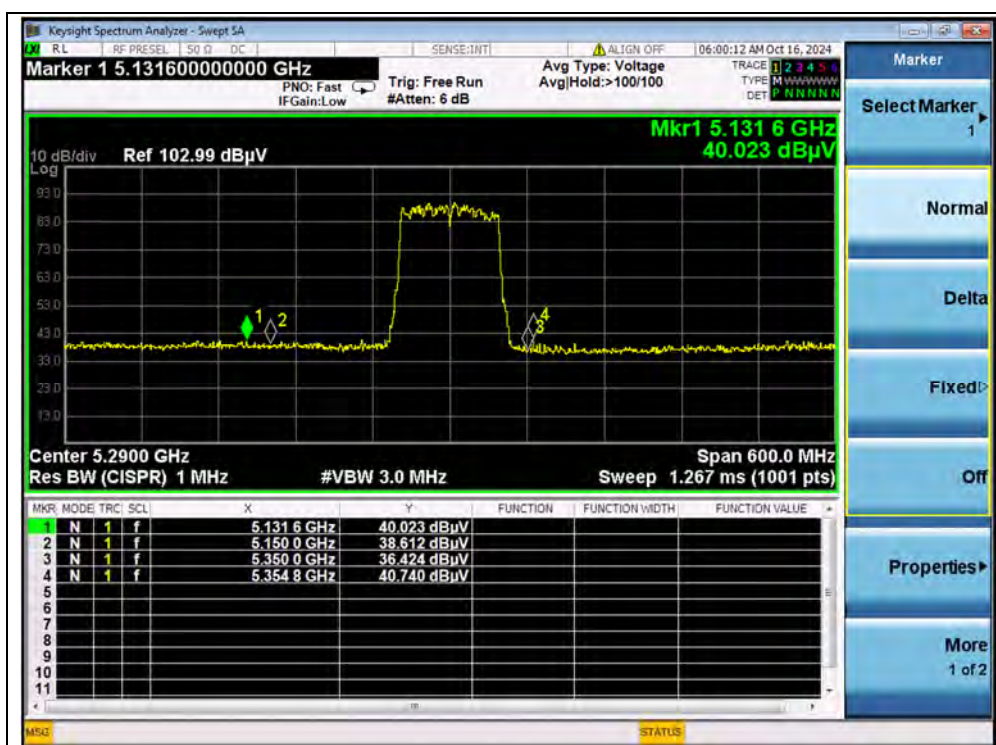
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dBμV)	A_T (dB)	A_{Factor} (dB @3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV						
42	5134.40	PK	41.02	-16.90	32.20	56.32	74	PASS
42	5150.00	AV	31.90	-16.90	32.20	47.20	54	PASS
58	5354.80	PK	40.74	-15.40	32.20	57.54	74	PASS
58	5350.00	AV	30.76	-15.40	32.20	47.56	54	PASS
106	5463.22	PK	38.89	-16.00	32.20	55.09	68.23	PASS
106	5457.39	AV	30.31	-16.00	32.20	46.51	54	PASS
138	5751.57	PK	39.81	-16.00	32.20	56.01	68.23	PASS
155	5720.00	PK	38.98	-14.70	32.20	56.48	122.23	PASS
155	5850.00	PK	38.65	-14.70	32.20	56.15	122.23	PASS



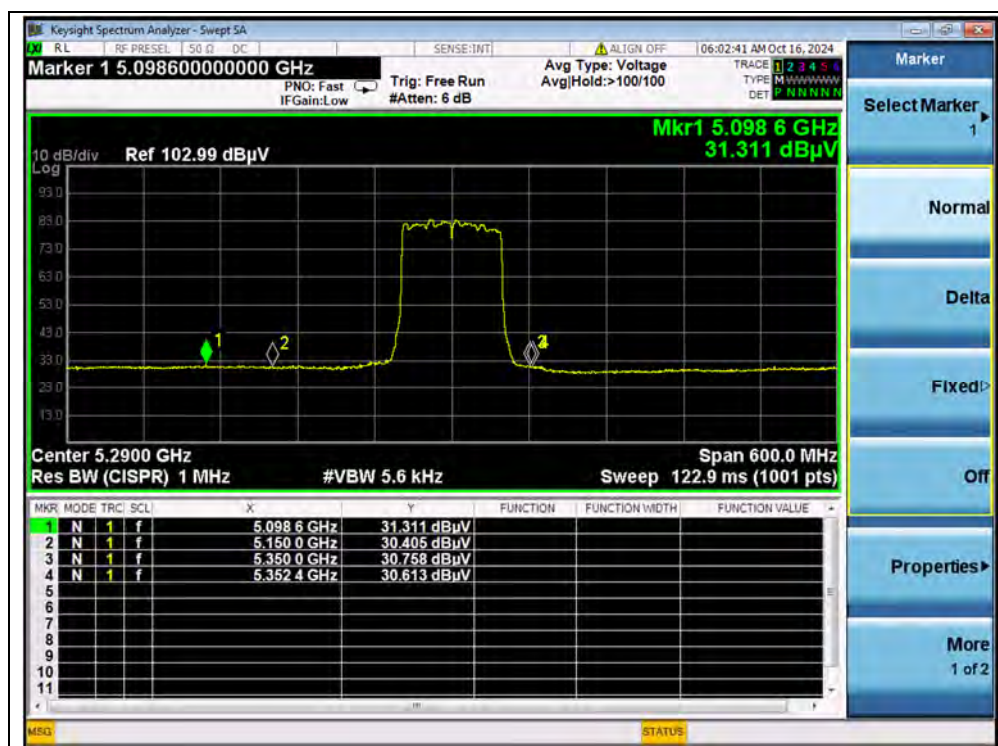
(PEAK, Channel 42, 802.11ac (VHT80))



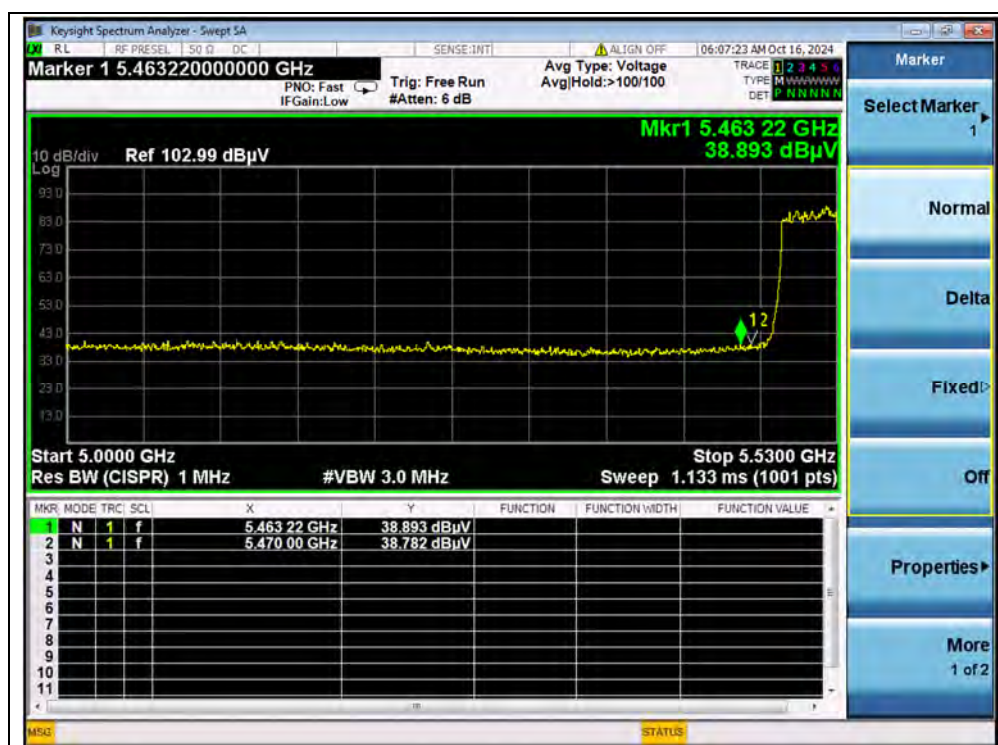
(AVERAGE, Channel 42, 802.11ac (VHT80))



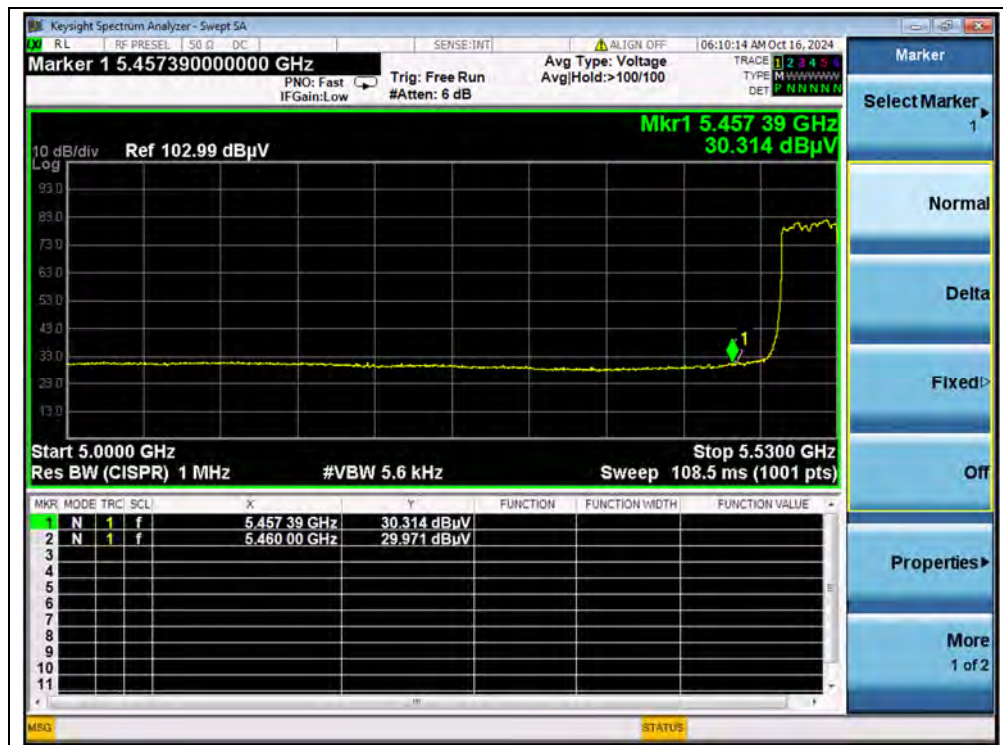
(PEAK, Channel 58, 802.11ac (VHT80))



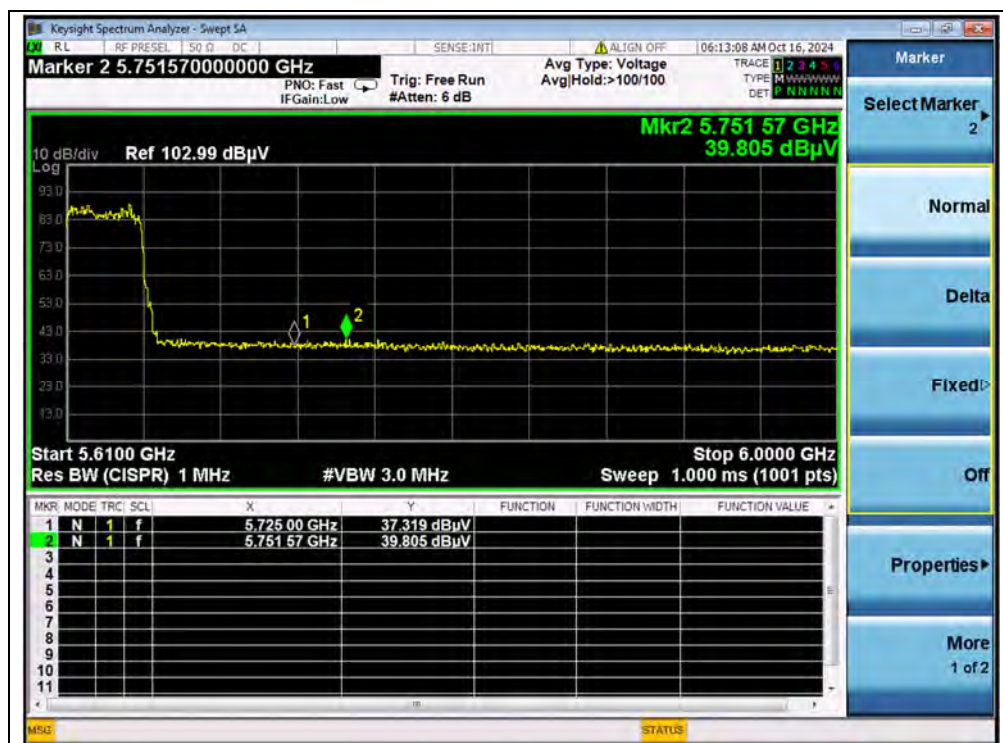
(AVERAGE, Channel 58, 802.11ac (VHT80))



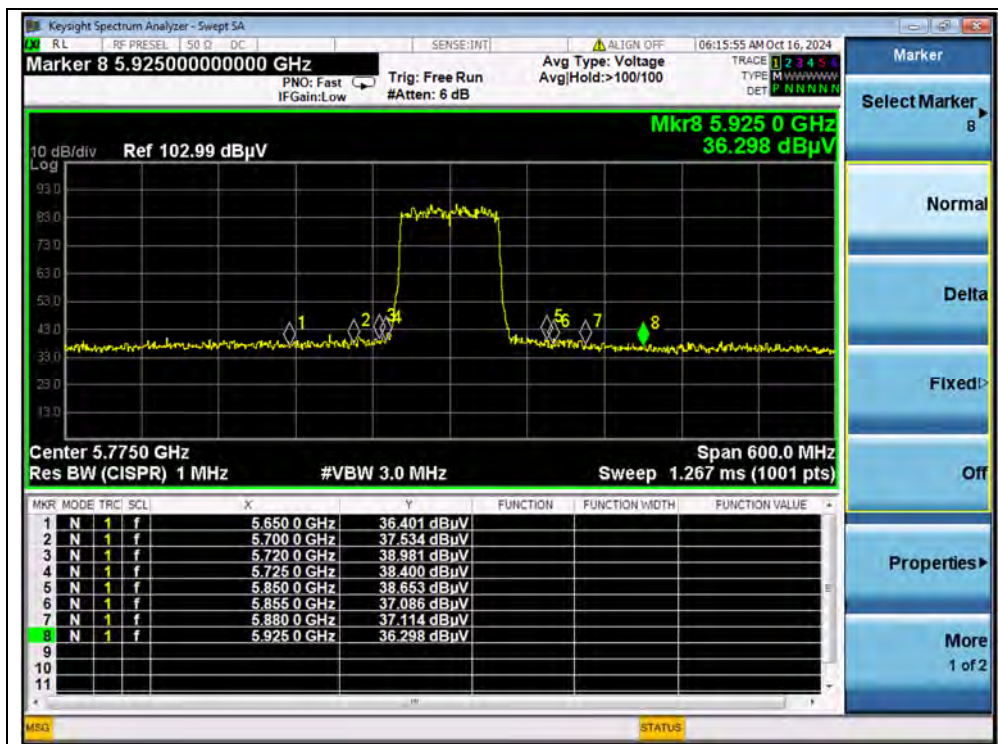
(PEAK, Channel 106, 802.11ac (VHT80))



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



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

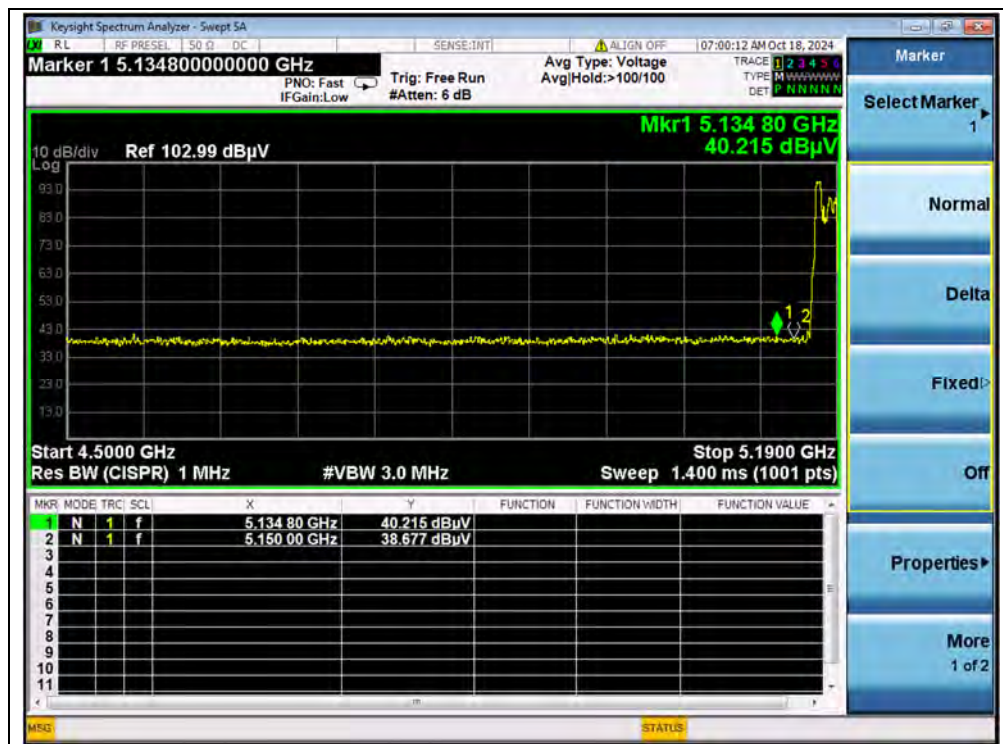


(PEAK, Channel 155, 802.11ac (VHT80))

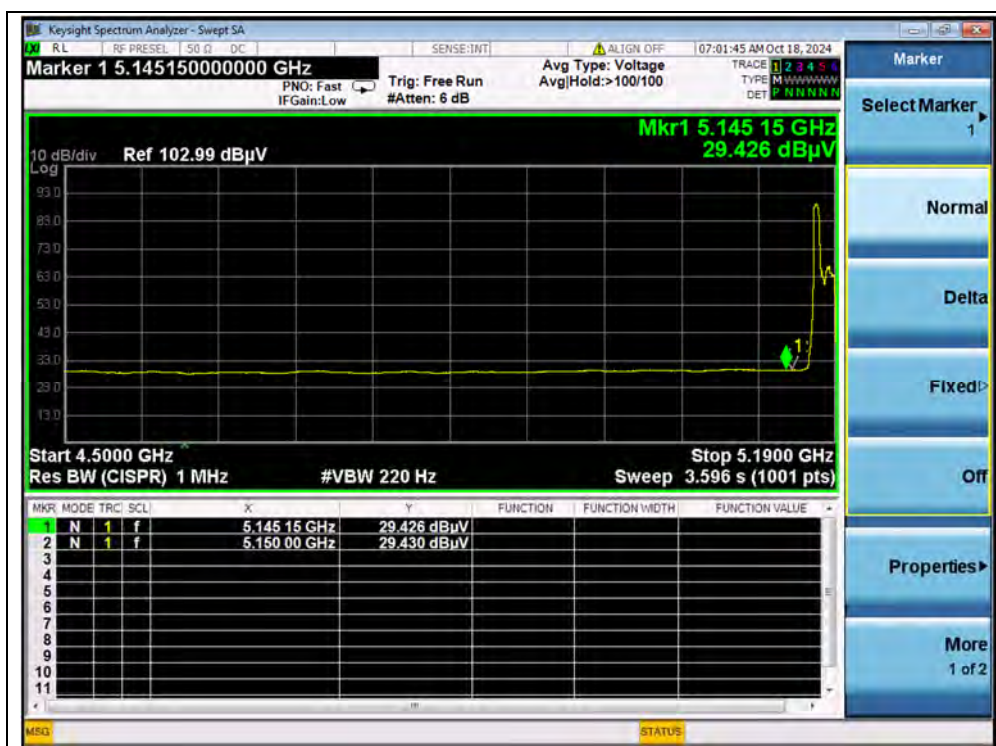


802.11ax (HEW20) RU52 Mode

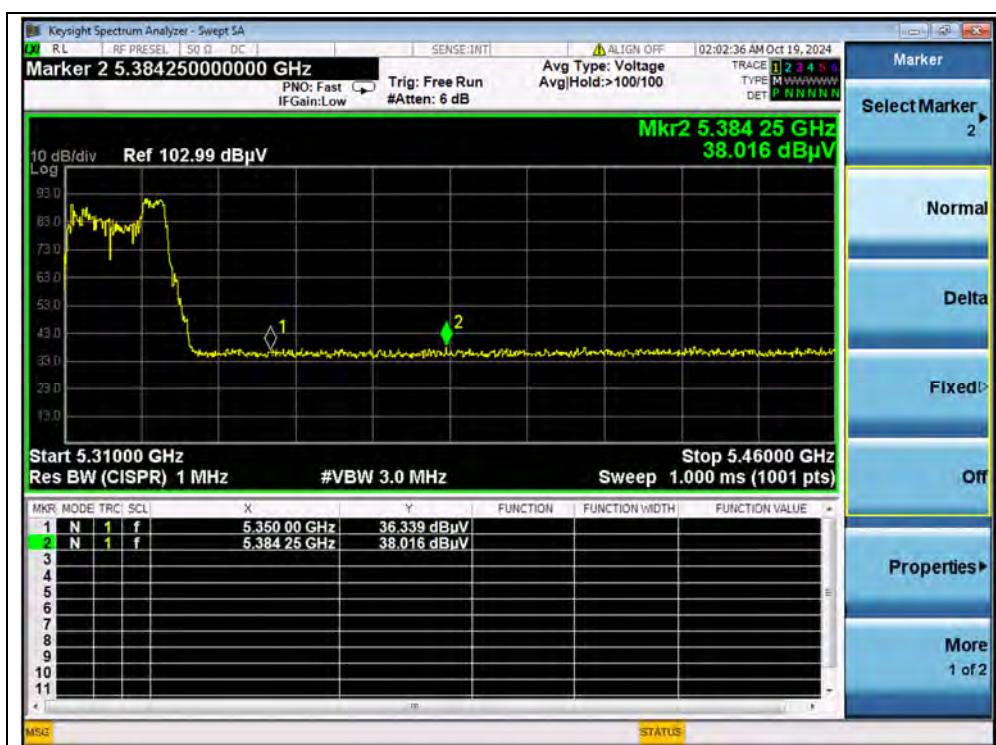
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dBμV)	A_T (dB)	A_{Factor} (dB @3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
		PK/ AV						
36	5134.80	PK	40.22	-16.90	32.20	55.52	74	PASS
36	5150.00	AV	29.43	-16.90	32.20	44.73	54	PASS
64	5384.25	PK	38.02	-15.40	32.20	54.82	74	PASS
64	5350.00	AV	27.11	-15.40	32.20	43.91	54	PASS
100	5458.39	PK	38.67	-16.00	32.20	54.87	74	PASS
100	5460.00	AV	27.84	-16.00	32.20	44.04	54	PASS
144	5749.52	PK	30.57	-16.00	32.20	46.77	68.23	PASS
149	5720.00	PK	47.72	-14.70	32.20	65.22	110.83	PASS
165	5855.00	PK	52.29	-14.70	32.20	69.79	110.83	PASS



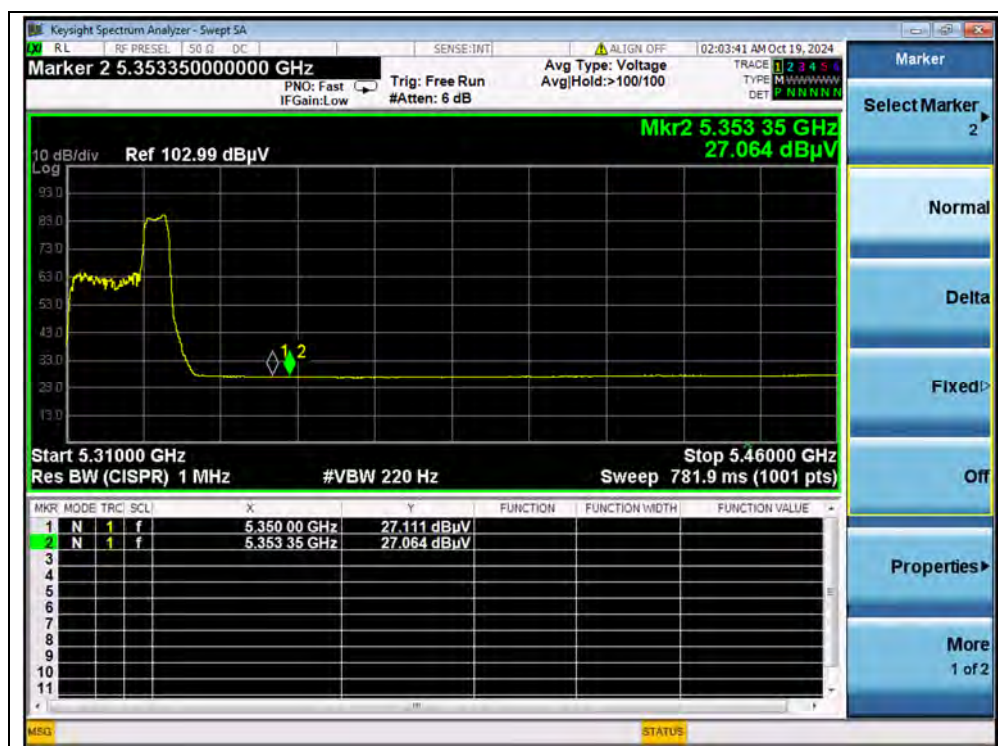
(PEAK, Channel 36, 802.11ax (HEW20) RU52)



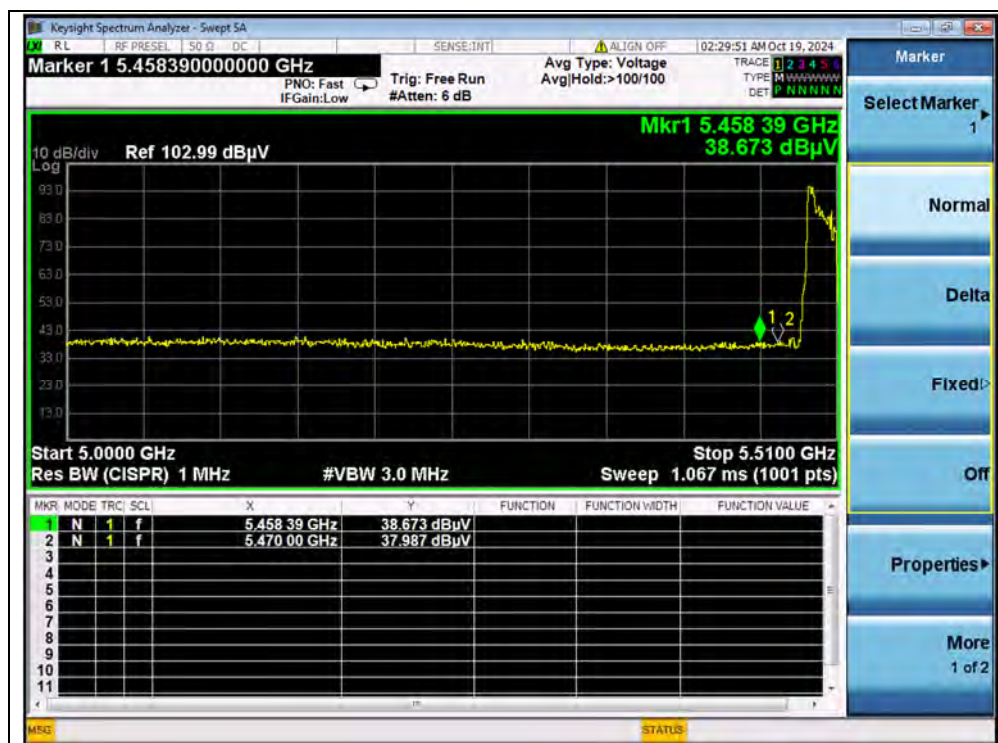
(AVERAGE, Channel 36, 802.11ax (HEW20) RU52)



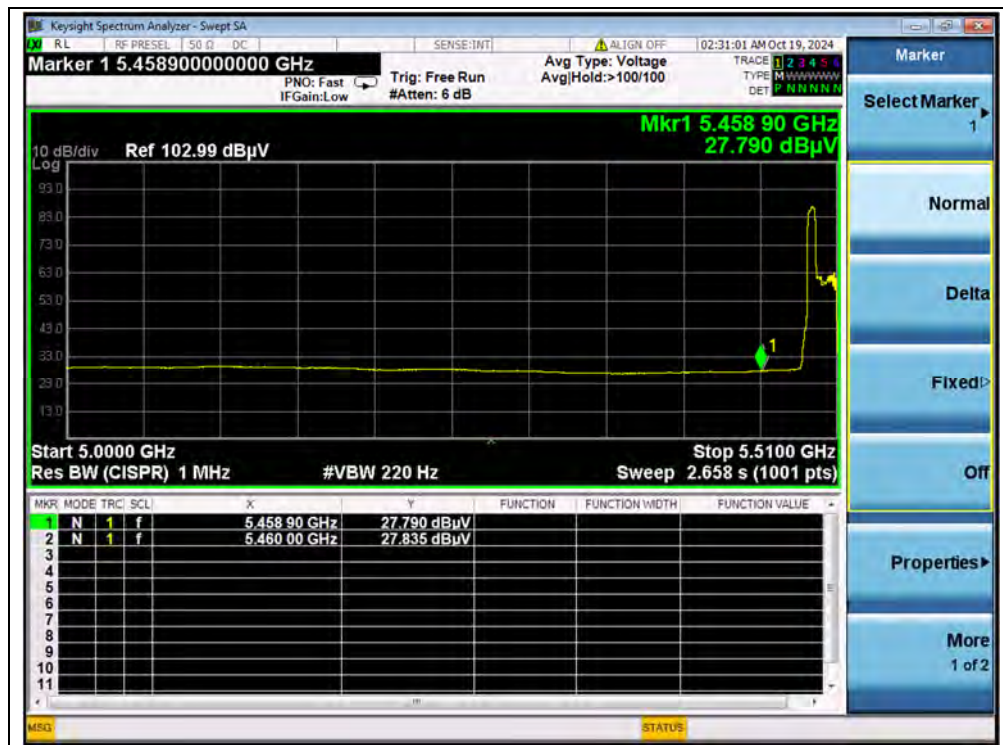
(PEAK, Channel 64, 802.11ax (HEW20) RU52)



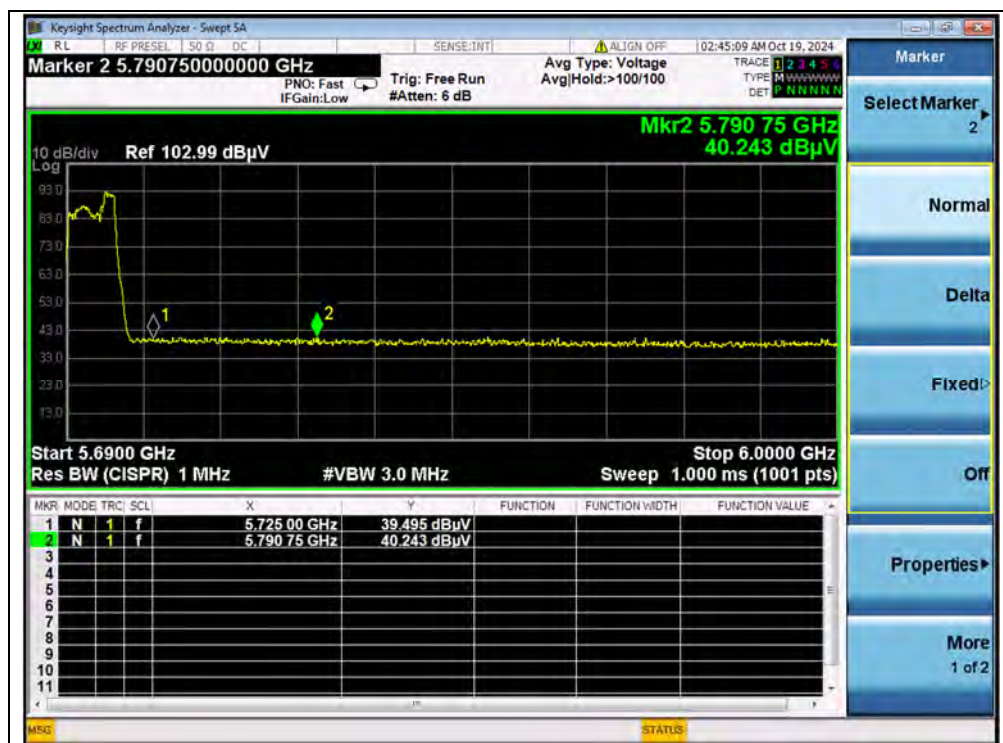
(AVERAGE, Channel 64, 802.11ax (HEW20) RU52)



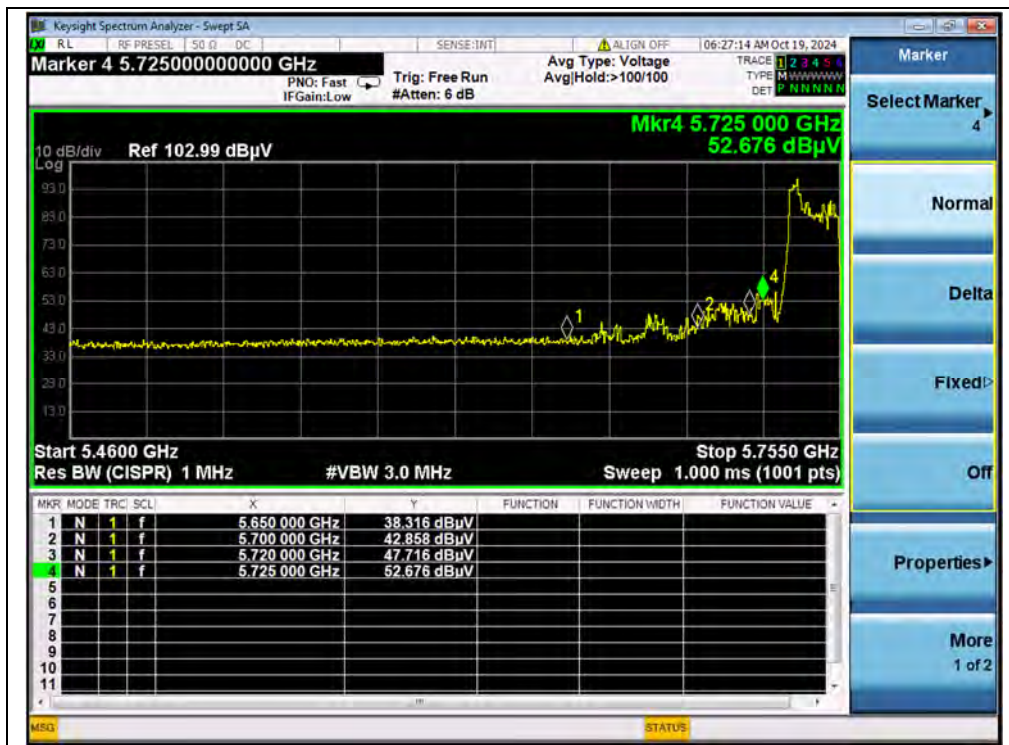
(PEAK, Channel 100, 802.11ax (HEW20) RU52)



(AVERAGE, Channel 100, 802.11ax (HEW20) RU52)



(PEAK, Channel 144, 802.11ax (HEW20) RU52)



(PEAK, Channel 149, 802.11ax (HEW20) RU52)



(PEAK, Channel 165, 802.11ax (HEW20) RU52)



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 (X axis) test condition was recorded in this test report.

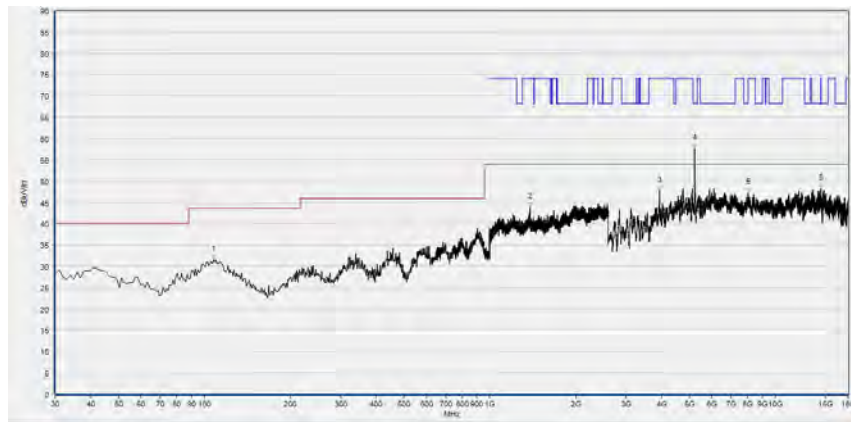
Note2: For the frequency, which started from 9kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

Note3: For the frequency, which started from 18GHz to 40GHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

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

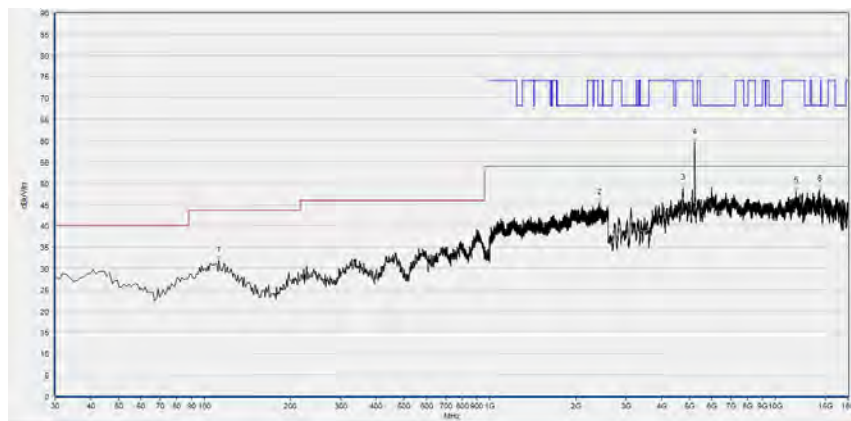
**802.11a Mode**

Plot for Channel 44



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
107.600	31.48	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
1381.333	43.94	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
3924.400	47.81	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5224.160	57.62	N/A	N/A	68.23	N/A	N/A	Horizontal	N/A
8014.640	47.30	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
14430.280	48.20	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

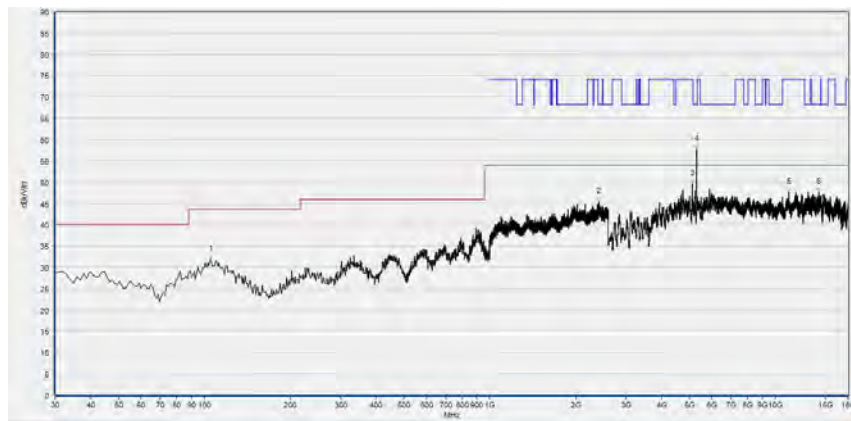


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
112.450	31.80	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2416.000	45.39	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4743.680	48.70	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5224.160	59.57	N/A	N/A	68.23	N/A	N/A	Vertical	N/A
11809.200	48.04	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
14257.800	48.39	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

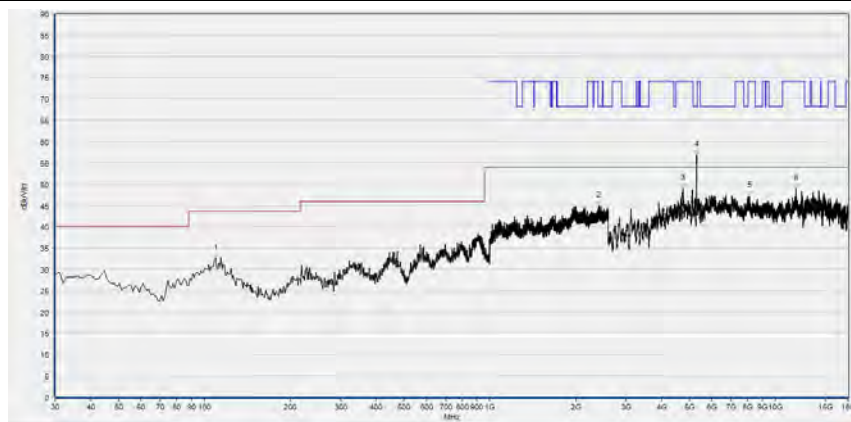


Plot for Channel 60



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
105.660	31.84	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2411.733	45.44	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
5113.280	49.56	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5307.320	57.61	N/A	N/A	68.23	N/A	N/A	Horizontal	N/A
11174.720	47.54	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
14248.560	47.57	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

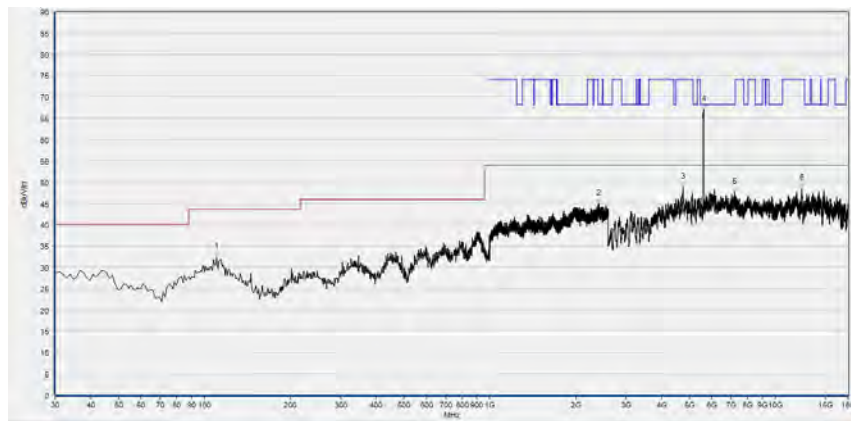


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
109.540	32.46	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2408.533	44.91	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4749.840	48.99	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5295.000	56.81	N/A	N/A	68.23	N/A	N/A	Vertical	N/A
8125.520	47.23	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
11818.440	48.93	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

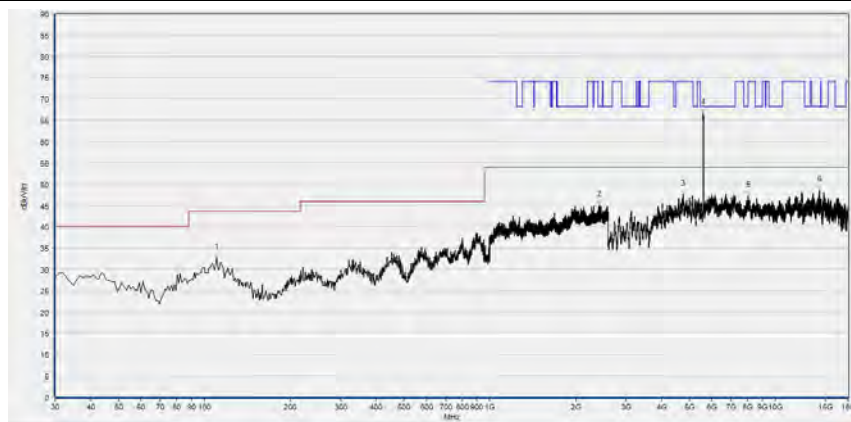


Plot for Channel 120



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
110.510	32.36	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2403.733	44.92	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4743.680	48.85	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5606.080	66.99	N/A	N/A	68.23	N/A	N/A	Horizontal	N/A
7207.680	47.66	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
12409.800	48.36	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)

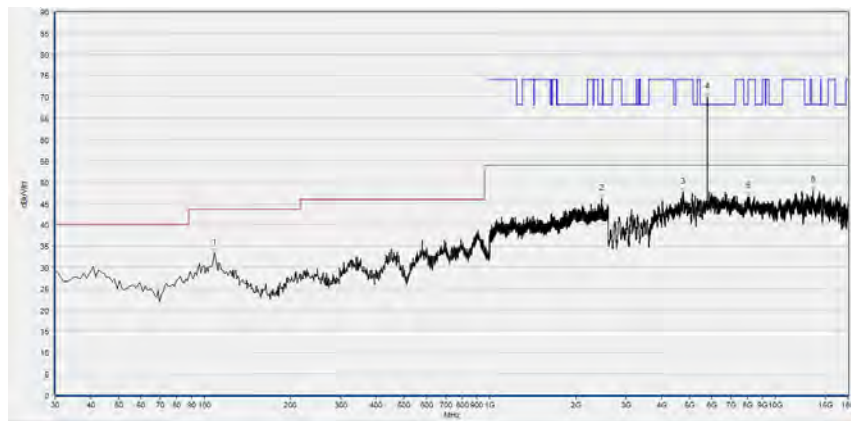


Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
110.510	32.68	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2418.667	45.00	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
4752.920	47.63	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5593.760	66.64	N/A	N/A	68.23	N/A	N/A	Vertical	N/A
8014.640	47.28	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
14270.120	48.61	N/A	N/A	68.23	N/A	N/A	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

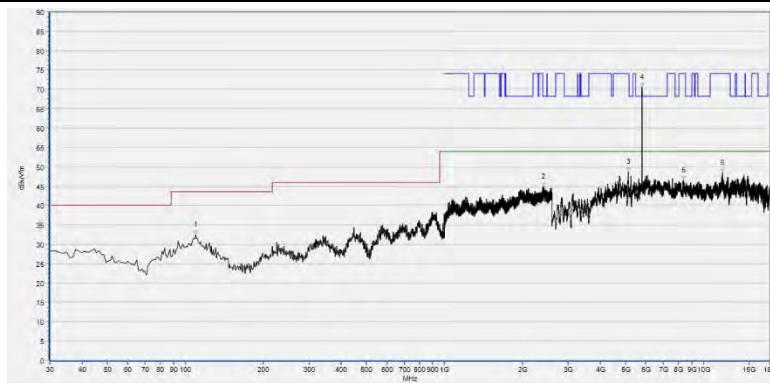


Plot for Channel 157



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
108.570	33.36	N/A	N/A	N/A	43.50	N/A	Horizontal	PASS
2458.667	46.10	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS
4749.840	47.58	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
5790.880	69.81	N/A	N/A	68.23	N/A	N/A	Horizontal	N/A
8045.440	46.56	N/A	N/A	74.00	N/A	54.00	Horizontal	PASS
13564.800	48.10	N/A	N/A	68.23	N/A	N/A	Horizontal	PASS

(Antenna Horizontal, 30MHz to 18GHz)



Fre. (MHz)	PK (dBμV/m)	QP (dBμV/m)	AV (dBμV/m)	Limit-PK (dBμV/m)	Limit-QP (dBμV/m)	Limit-AV (dBμV/m)	Antenna	Verdict
109.540	32.45	N/A	N/A	N/A	43.50	N/A	Vertical	PASS
2405.333	44.87	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
5110.200	48.77	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
5790.880	70.50	N/A	N/A	68.23	N/A	N/A	Vertical	PASS
8356.520	46.62	N/A	N/A	74.00	N/A	54.00	Vertical	PASS
11833.840	48.47	N/A	N/A	74.00	N/A	54.00	Vertical	PASS

(Antenna Vertical, 30MHz to 18GHz)

END OF REPORT