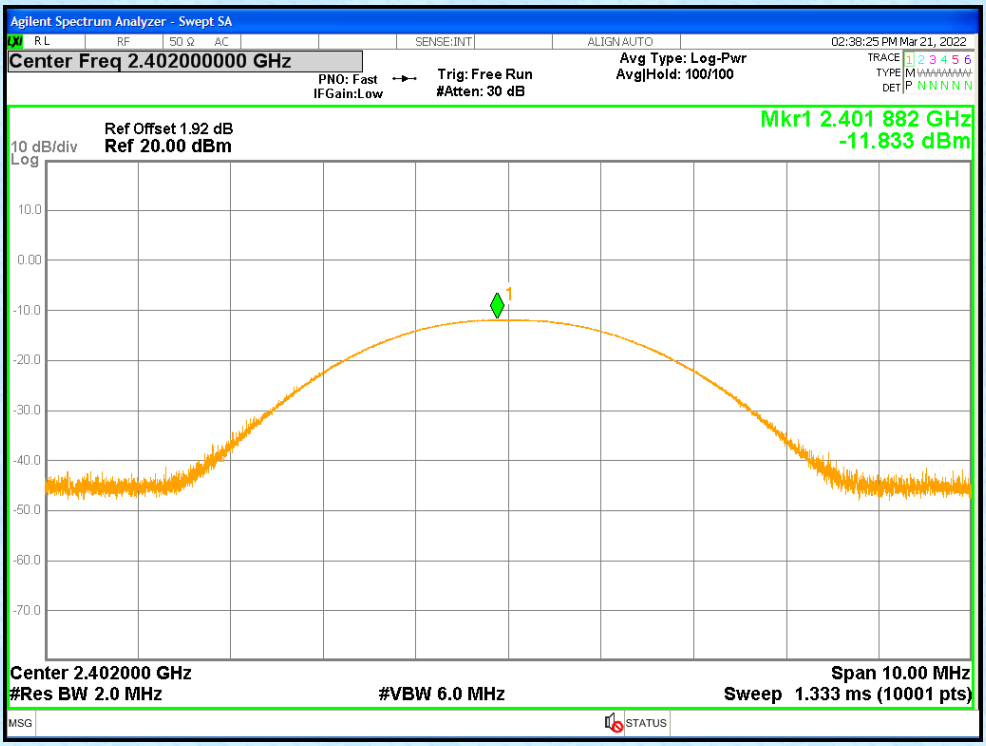
Maximum Conducted Output Power

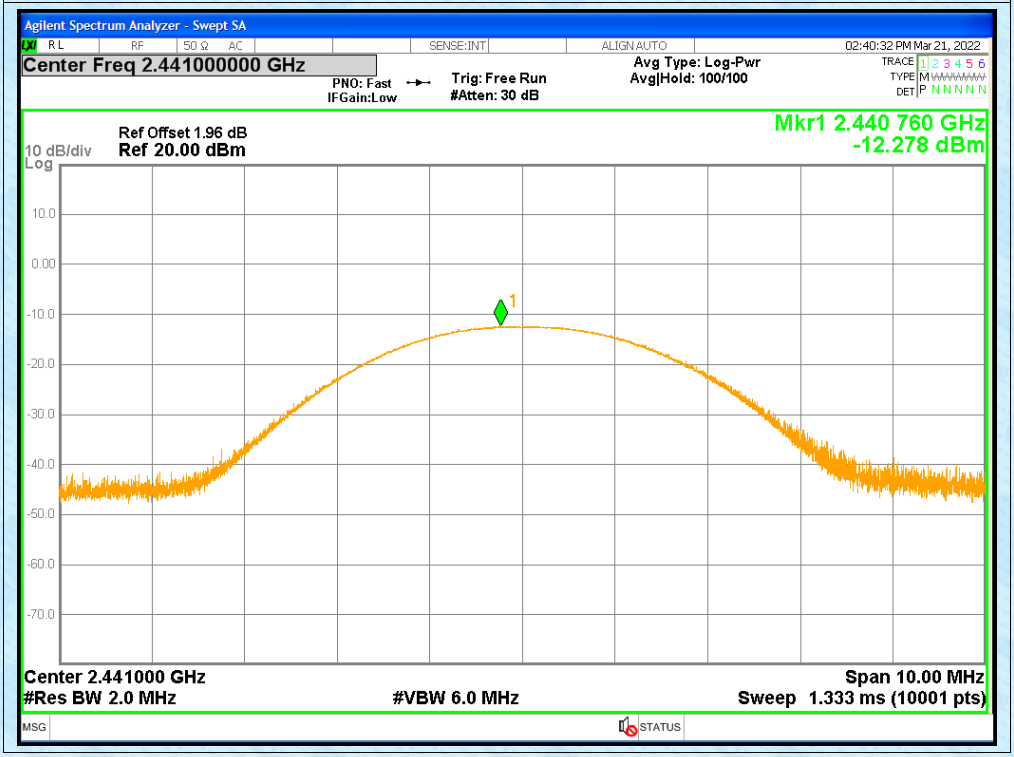
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH1	2402	Ant1	-11.83	21	Pass
NVNT	1-DH1	2441	Ant1	-12.28	21	Pass
NVNT	1-DH1	2480	Ant1	-10.65	21	Pass
NVNT	2-DH1	2402	Ant1	-11.28	21	Pass
NVNT	2-DH1	2441	Ant1	-11.82	21	Pass
NVNT	2-DH1	2480	Ant1	-10.04	21	Pass
NVNT	3-DH1	2402	Ant1	-10.57	21	Pass
NVNT	3-DH1	2441	Ant1	-11.11	21	Pass
NVNT	3-DH1	2480	Ant1	-9.24	21	Pass

Test Graphs

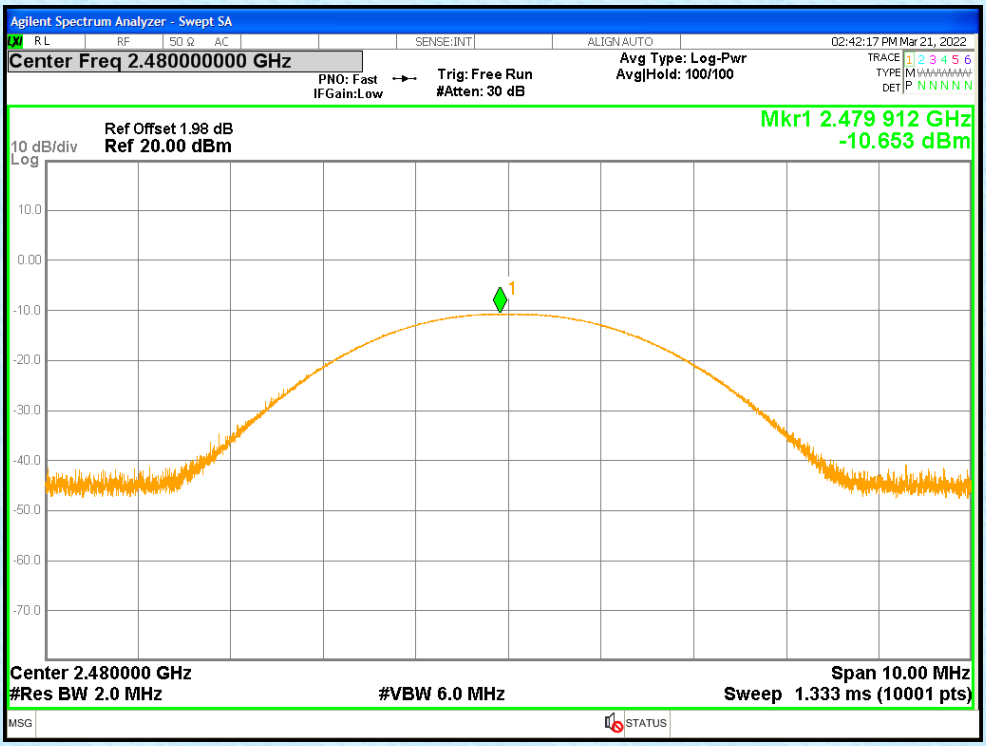
Power NVNT 1-DH1 2402MHz Ant1



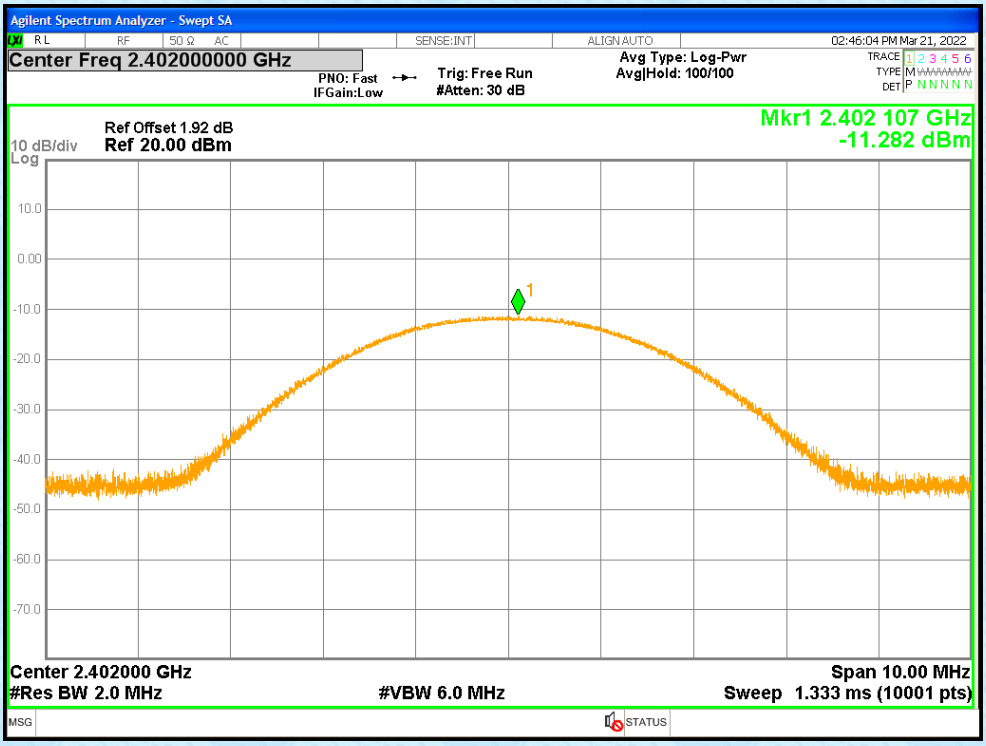
Power NVNT 1-DH1 2441MHz Ant1



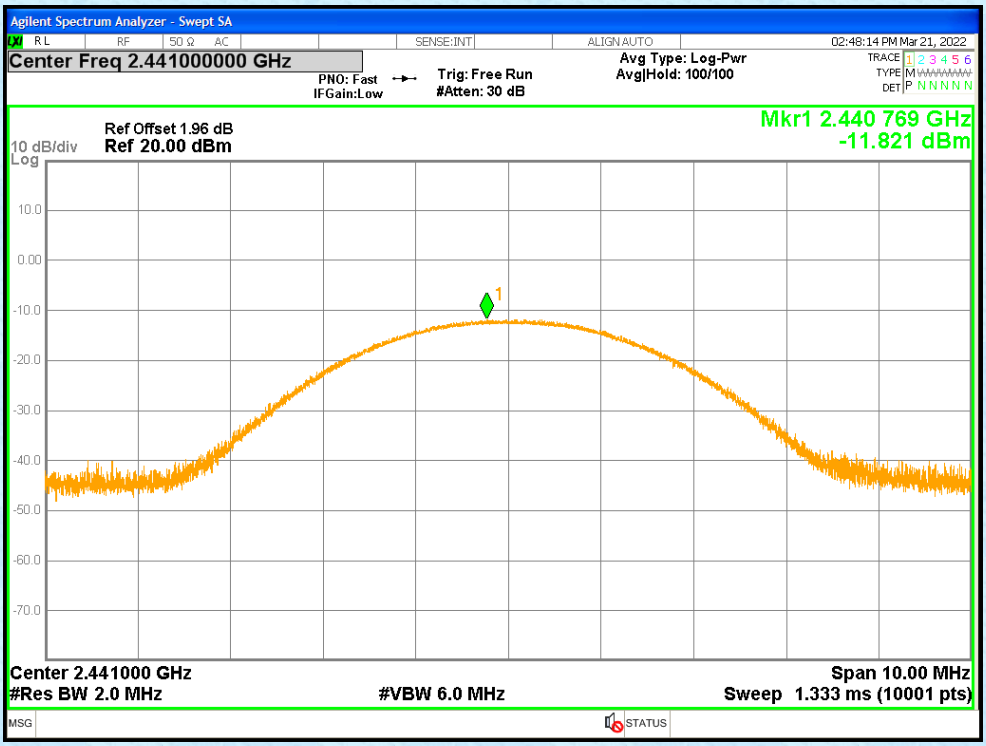
Power NVNT 1-DH1 2480MHz Ant1



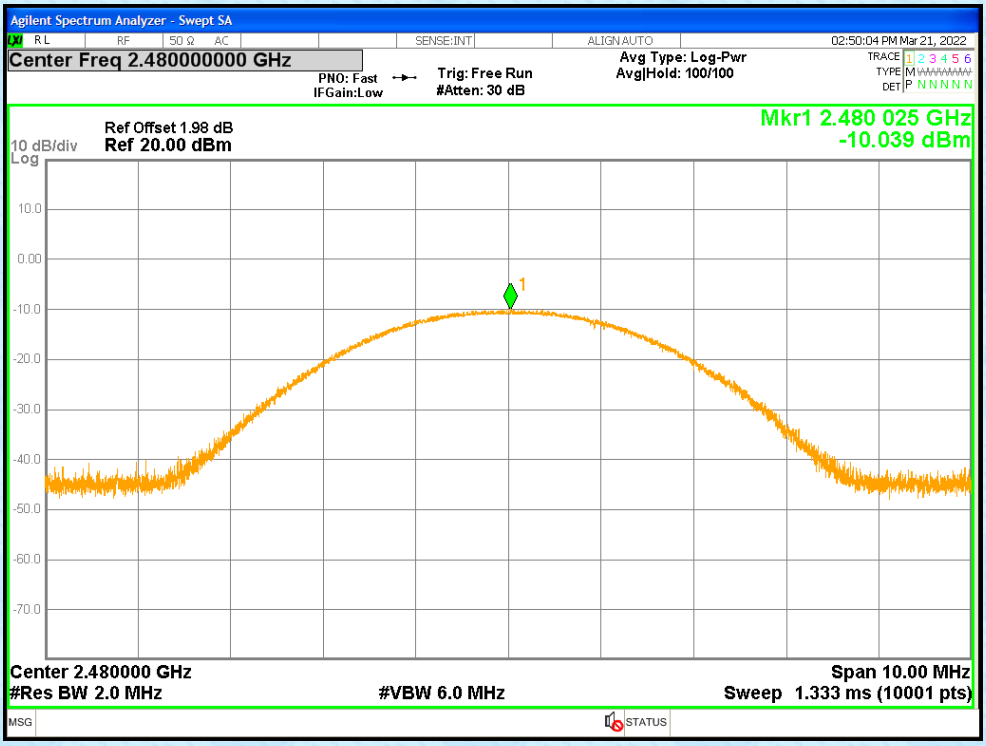
Power NVNT 2-DH1 2402MHz Ant1



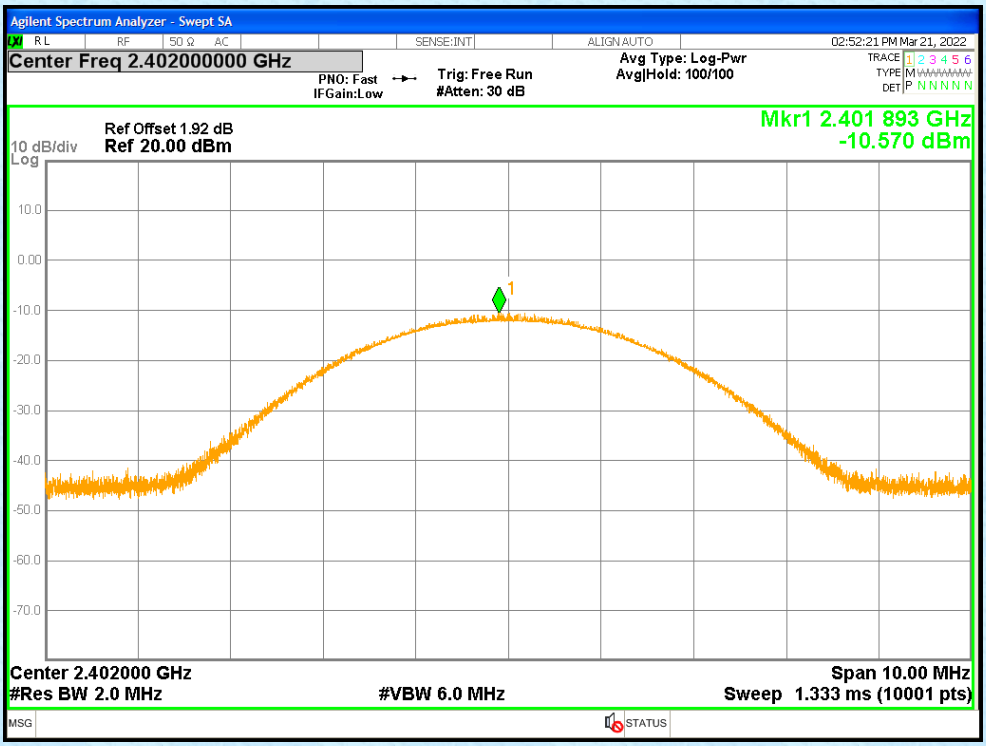
Power NVNT 2-DH1 2441MHz Ant1



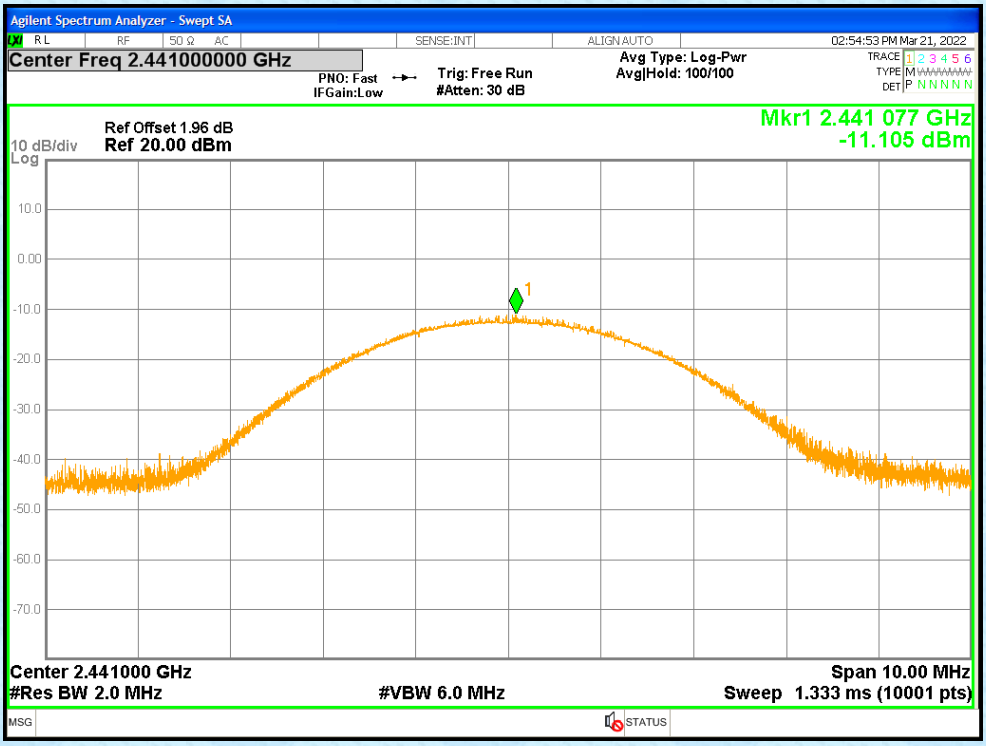
Power NVNT 2-DH1 2480MHz Ant1



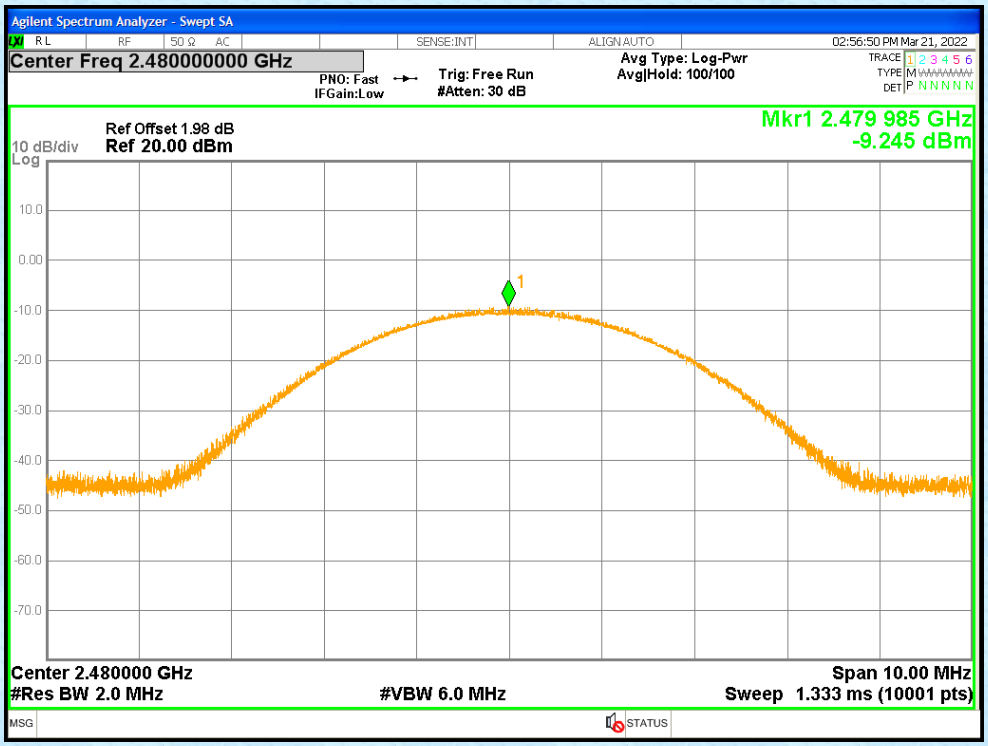
Power NVNT 3-DH1 2402MHz Ant1



Power NVNT 3-DH1 2441MHz Ant1



Power NVNT 3-DH1 2480MHz Ant1

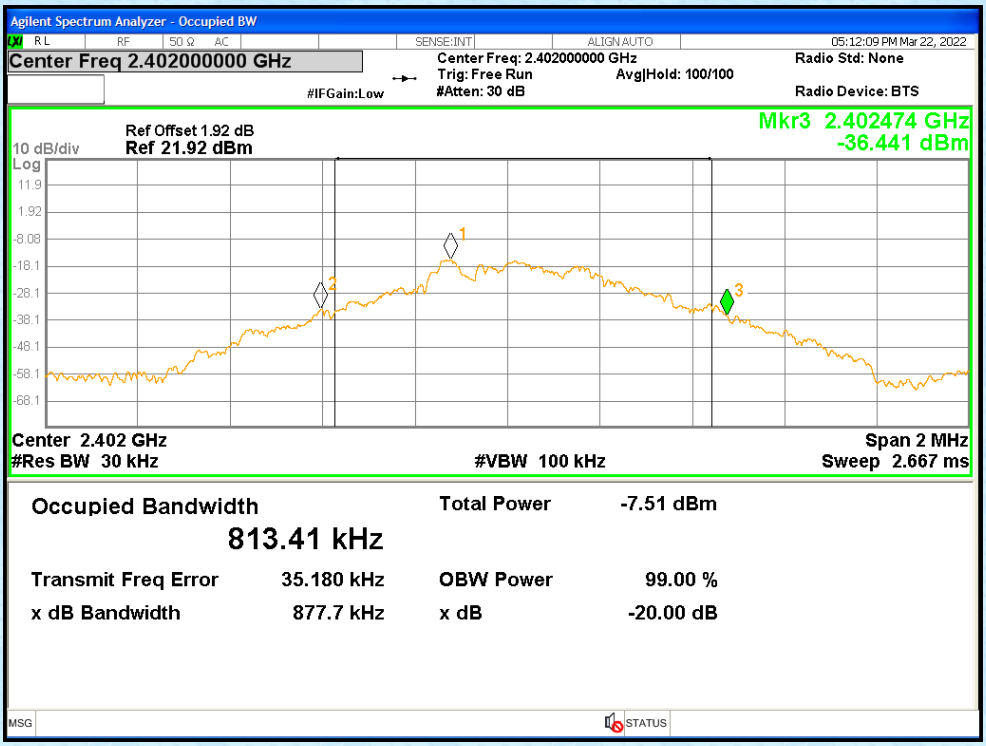


-20dB Bandwidth

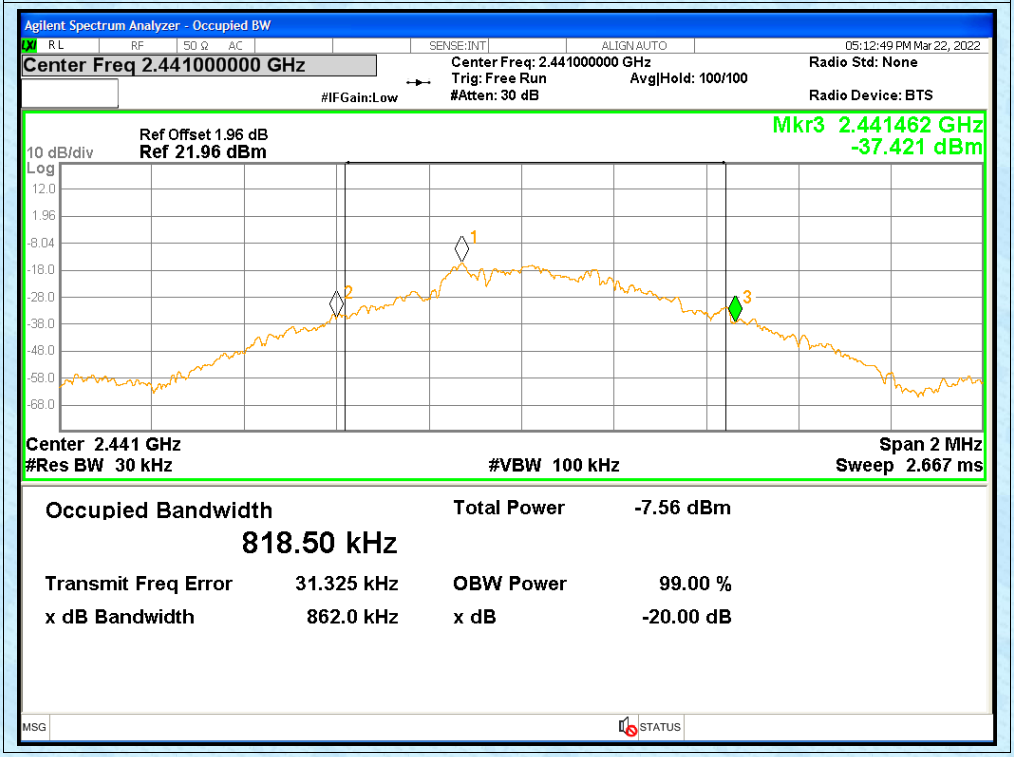
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH1	2402	Ant1	0.878	0	Pass
NVNT	1-DH1	2441	Ant1	0.862	0	Pass
NVNT	1-DH1	2480	Ant1	0.881	0	Pass
NVNT	2-DH1	2402	Ant1	1.291	0	Pass
NVNT	2-DH1	2441	Ant1	1.257	0	Pass
NVNT	2-DH1	2480	Ant1	1.26	0	Pass
NVNT	3-DH1	2402	Ant1	1.23	0	Pass
NVNT	3-DH1	2441	Ant1	1.211	0	Pass
NVNT	3-DH1	2480	Ant1	1.198	0	Pass

Test Graphs

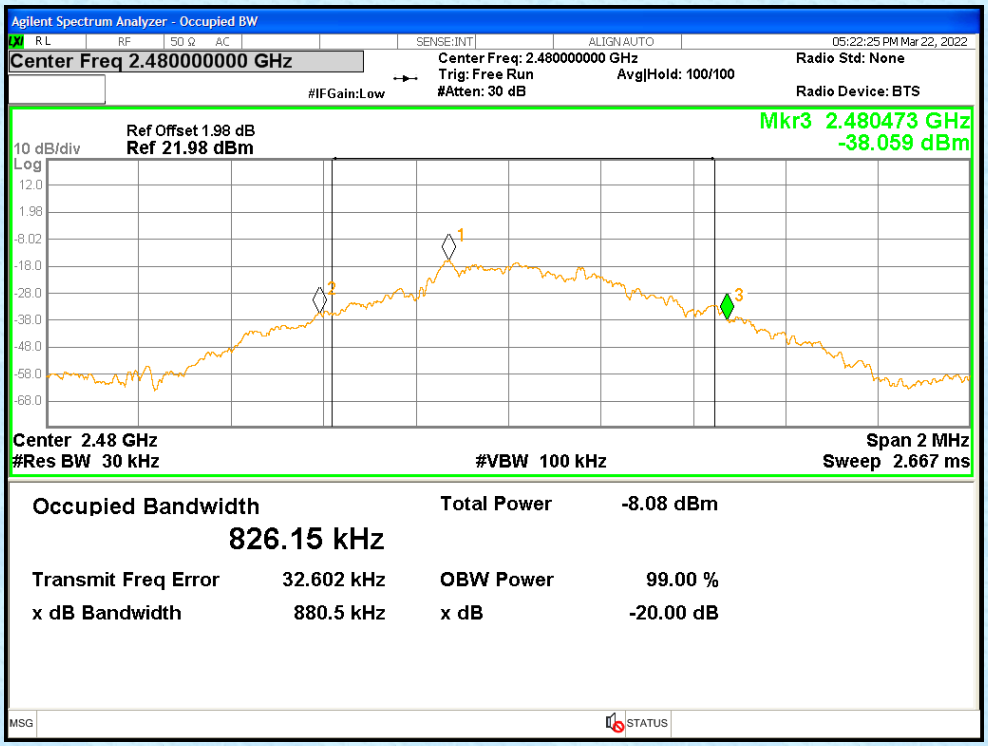
-20dB Bandwidth NVNT 1-DH1 2402MHz Ant1



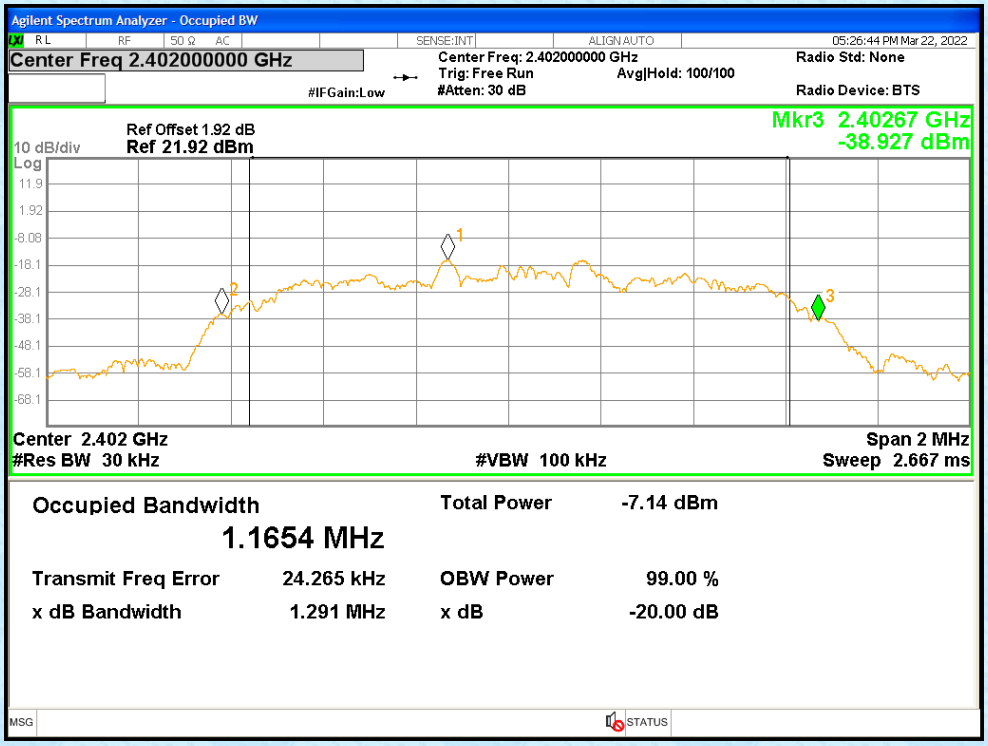
-20dB Bandwidth NVNT 1-DH1 2441MHz Ant1



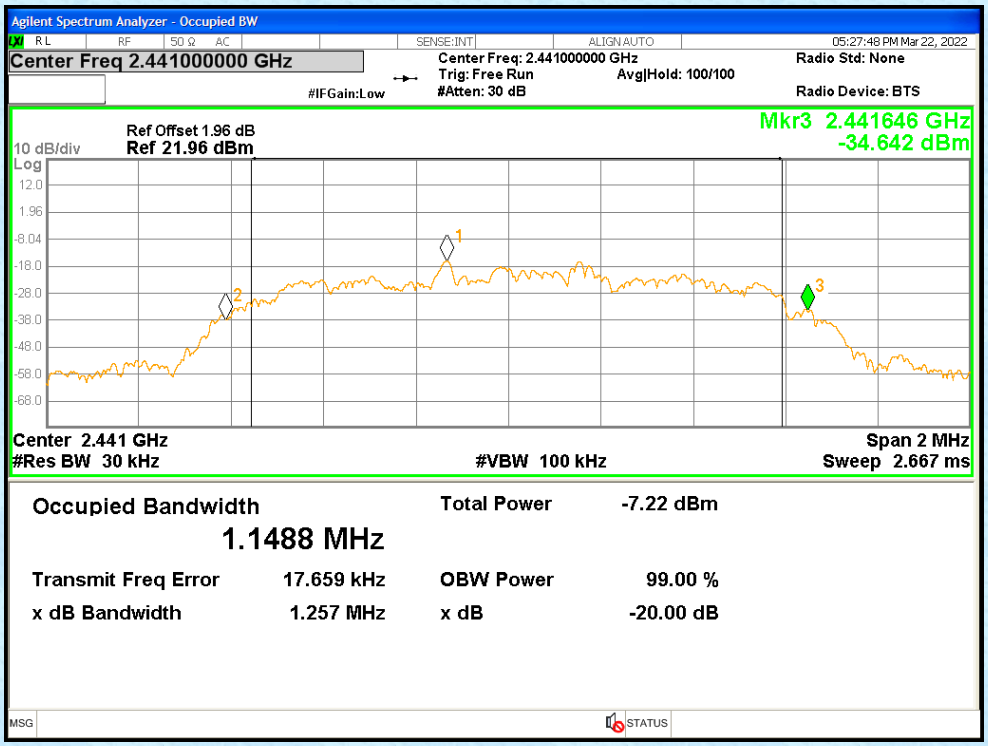
-20dB Bandwidth NVNT 1-DH1 2480MHz Ant1



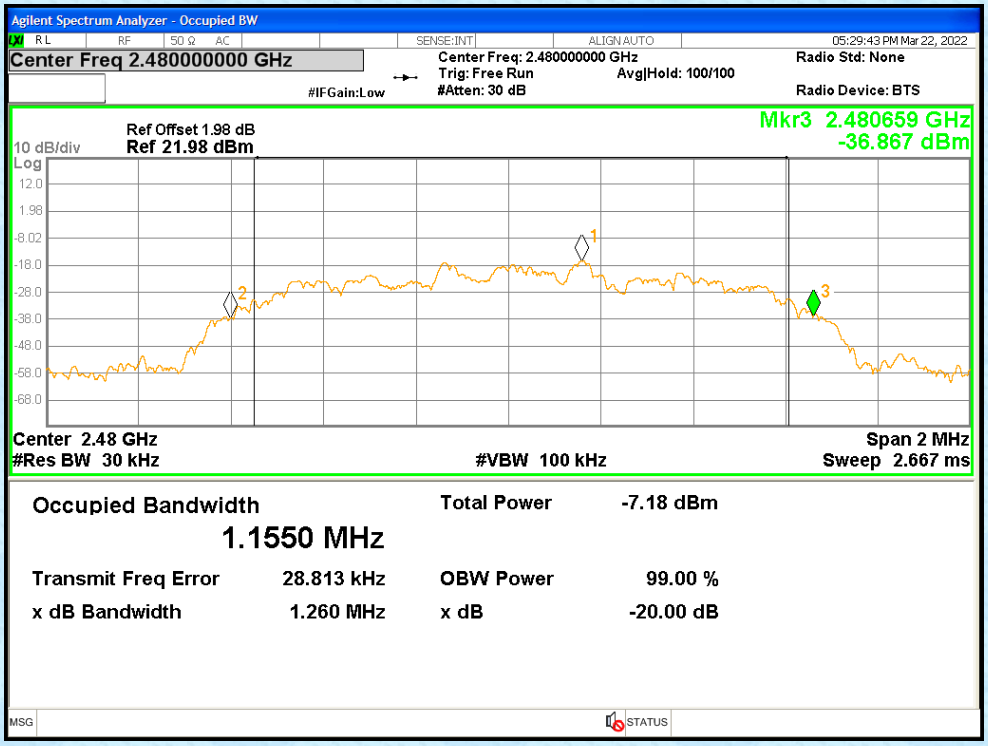
-20dB Bandwidth NVNT 2-DH1 2402MHz Ant1



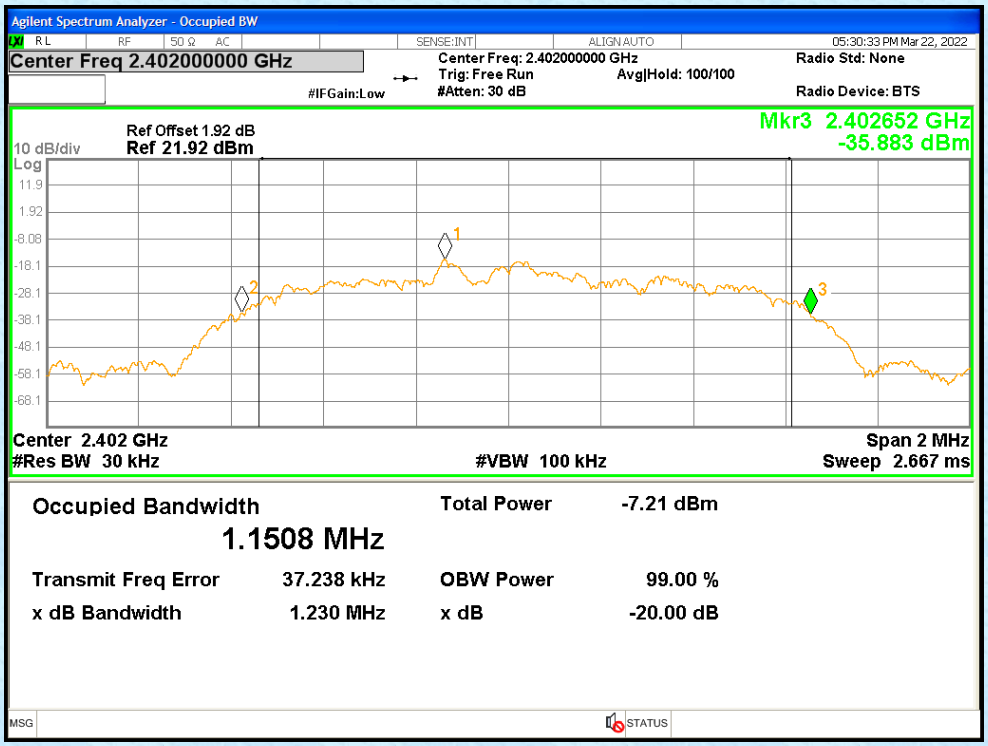
-20dB Bandwidth NVNT 2-DH1 2441MHz Ant1



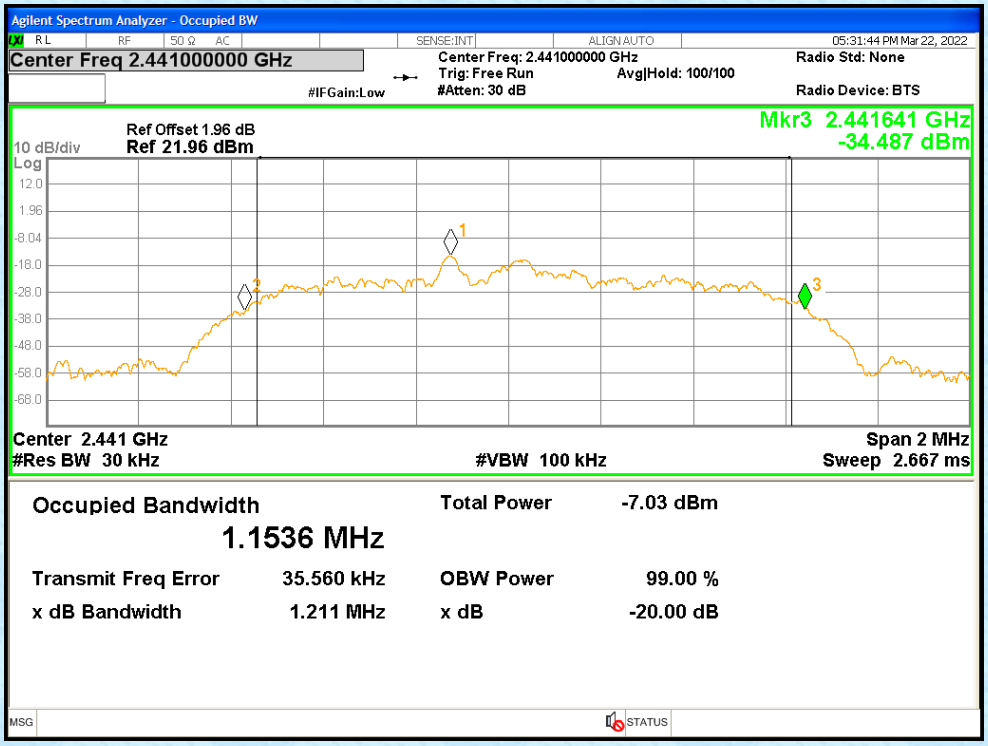
-20dB Bandwidth NVNT 2-DH1 2480MHz Ant1



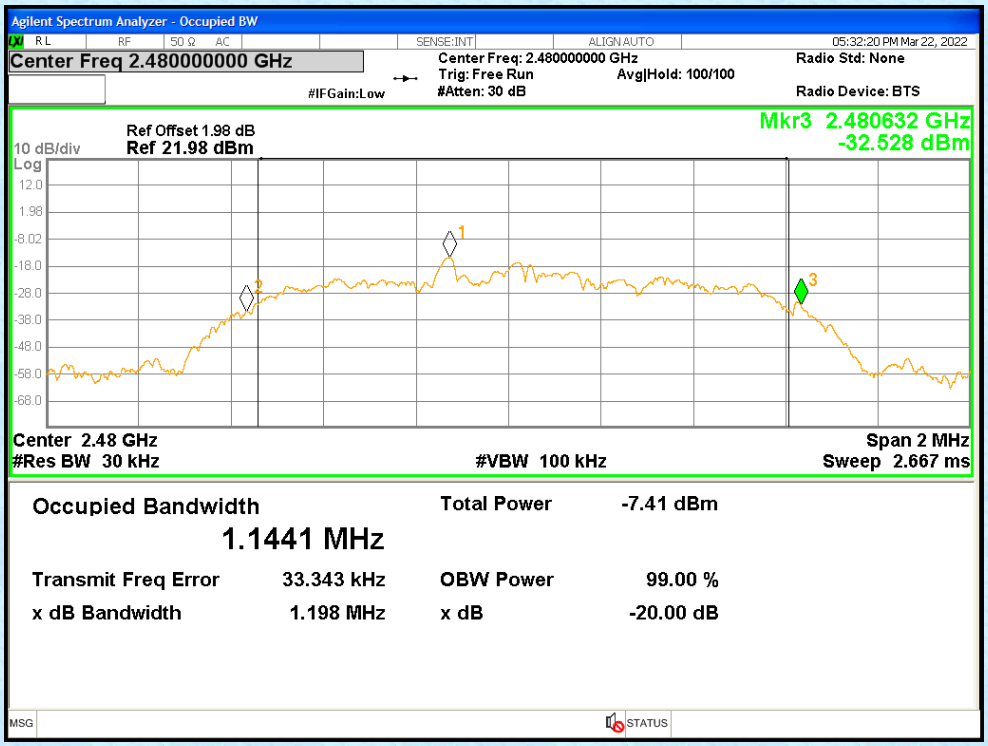
-20dB Bandwidth NVNT 3-DH1 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH1 2441MHz Ant1



-20dB Bandwidth NVNT 3-DH1 2480MHz Ant1

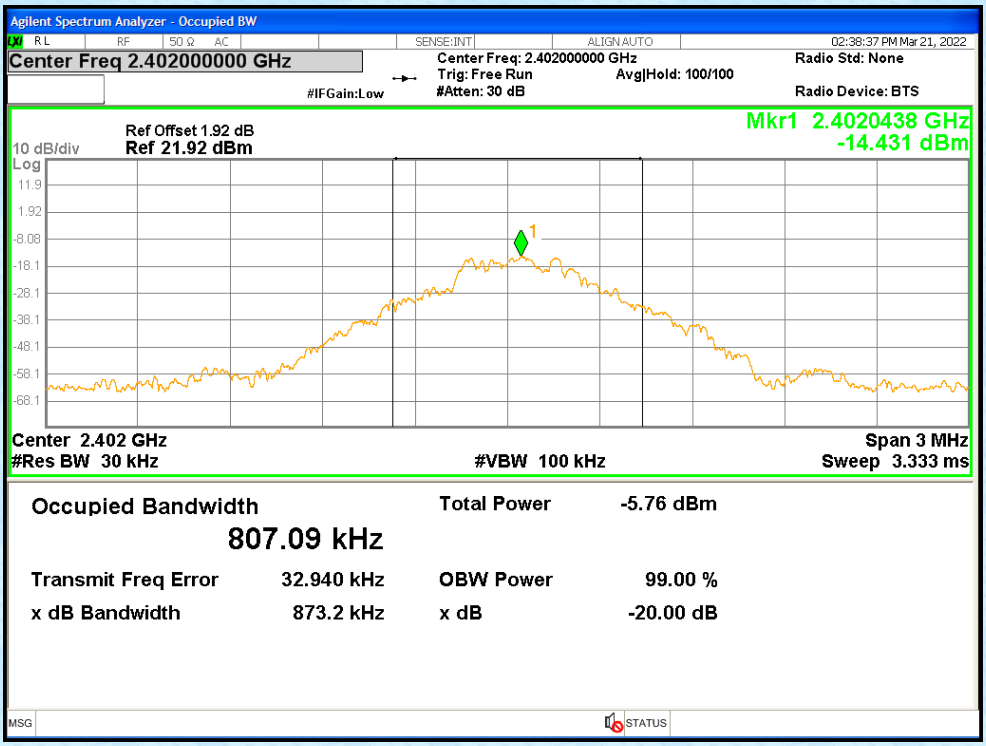


Occupied Channel Bandwidth

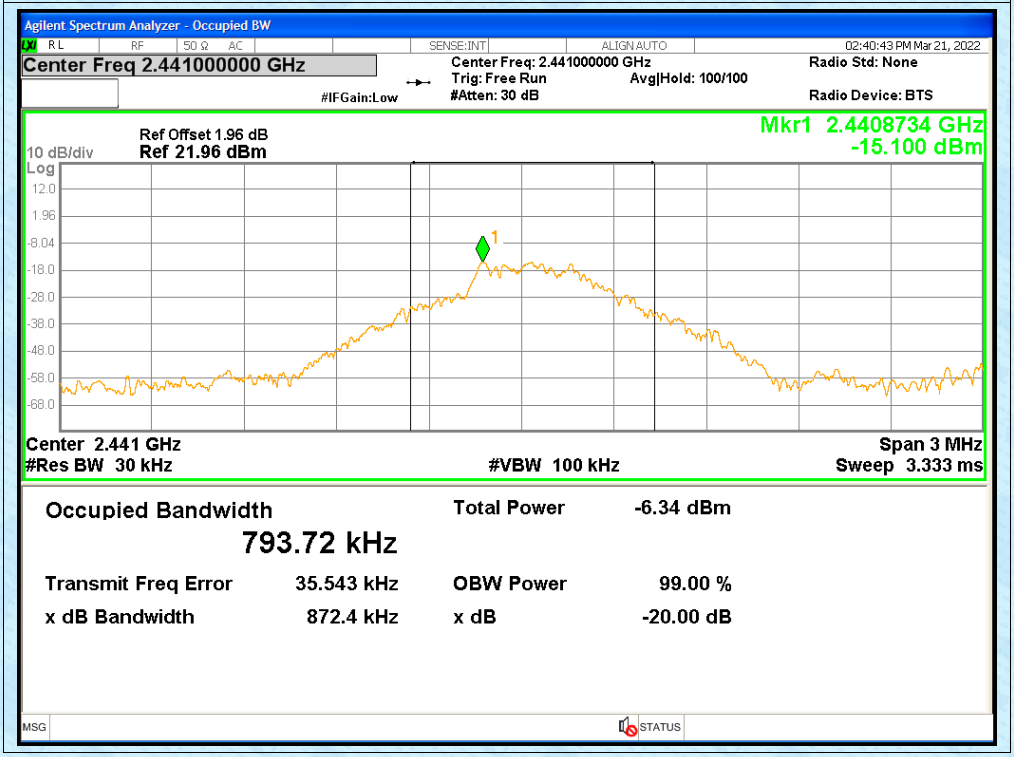
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH1	2402	Ant1	0.807
NVNT	1-DH1	2441	Ant1	0.794
NVNT	1-DH1	2480	Ant1	0.803
NVNT	2-DH1	2402	Ant1	1.128
NVNT	2-DH1	2441	Ant1	1.124
NVNT	2-DH1	2480	Ant1	1.144
NVNT	3-DH1	2402	Ant1	1.137
NVNT	3-DH1	2441	Ant1	1.125
NVNT	3-DH1	2480	Ant1	1.129

Test Graphs

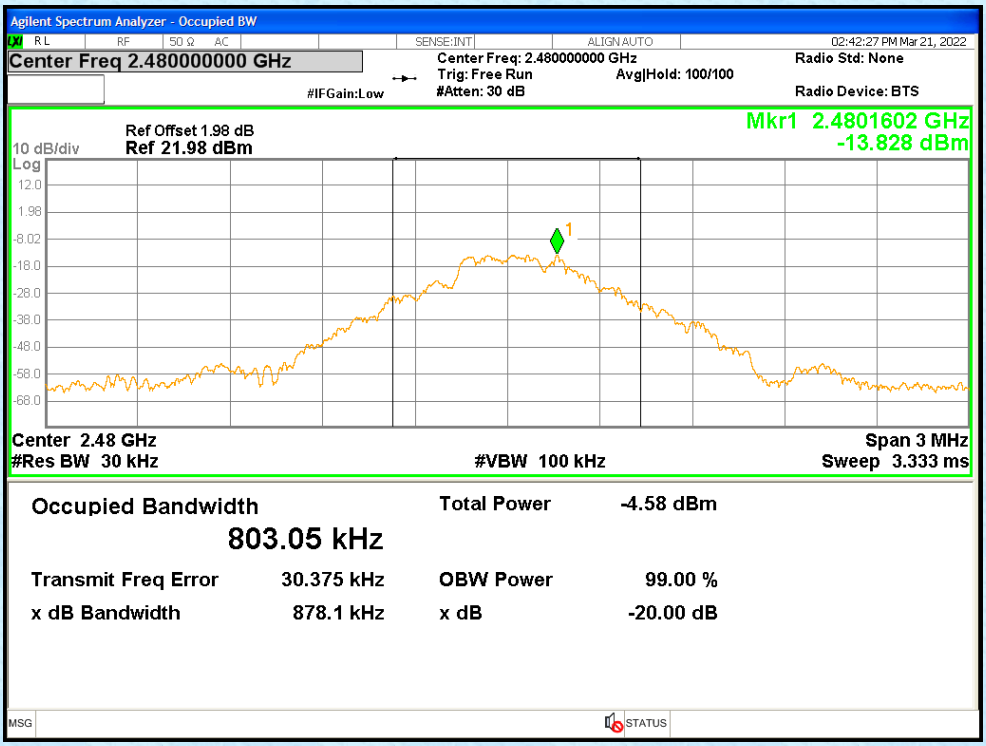
OBW NVNT 1-DH1 2402MHz Ant1



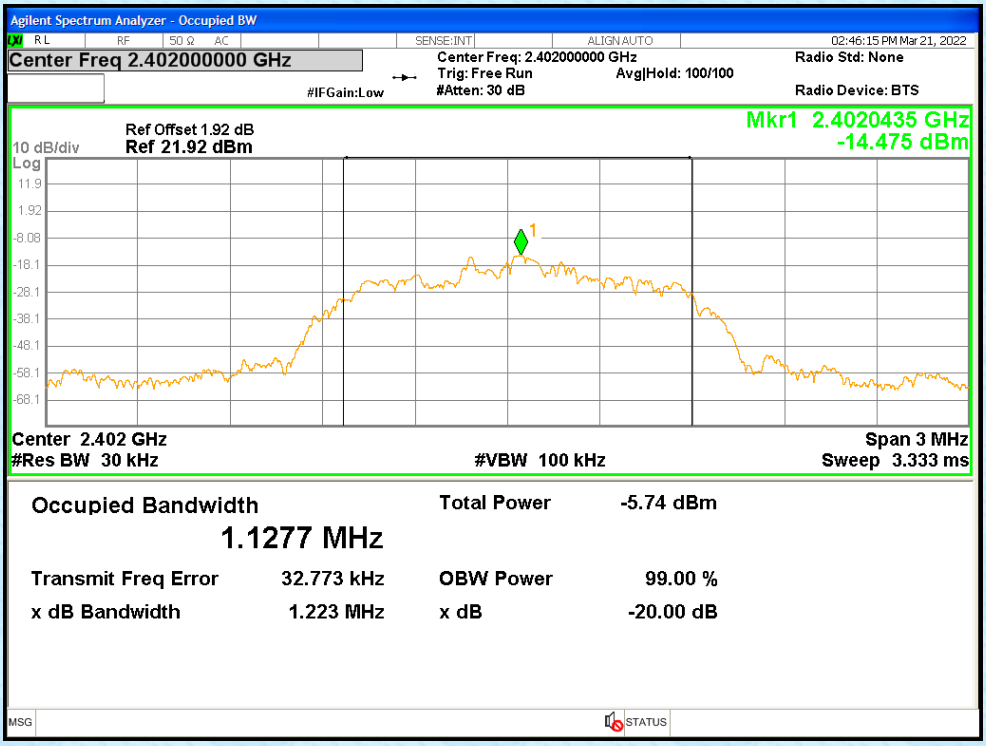
OBW NVNT 1-DH1 2441MHz Ant1



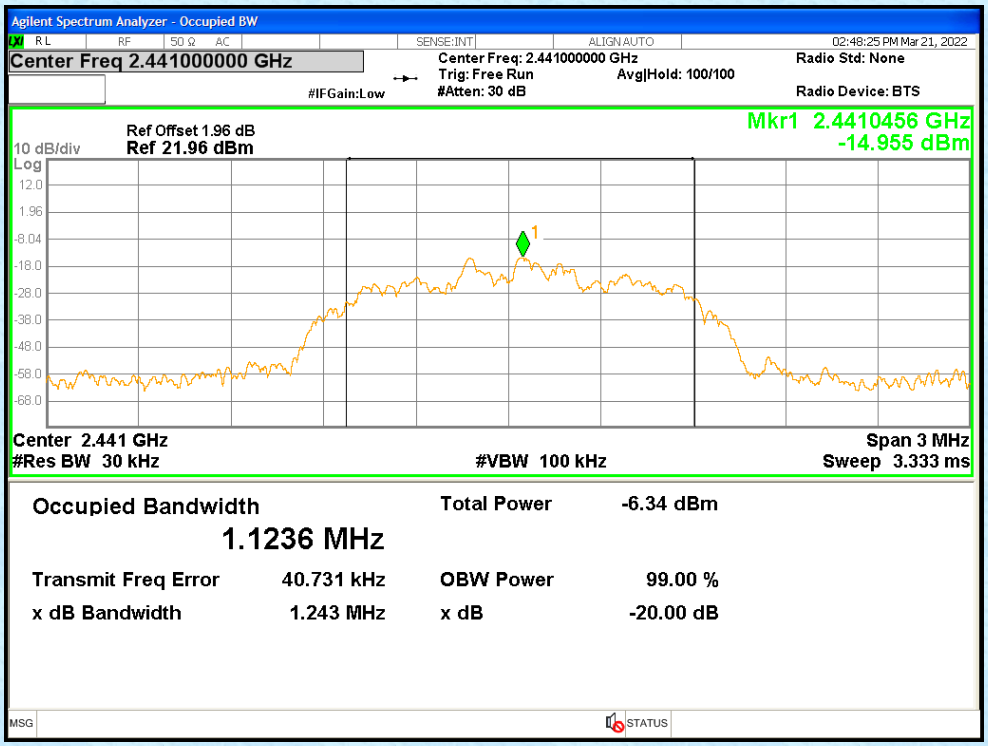
OBW NVNT 1-DH1 2480MHz Ant1



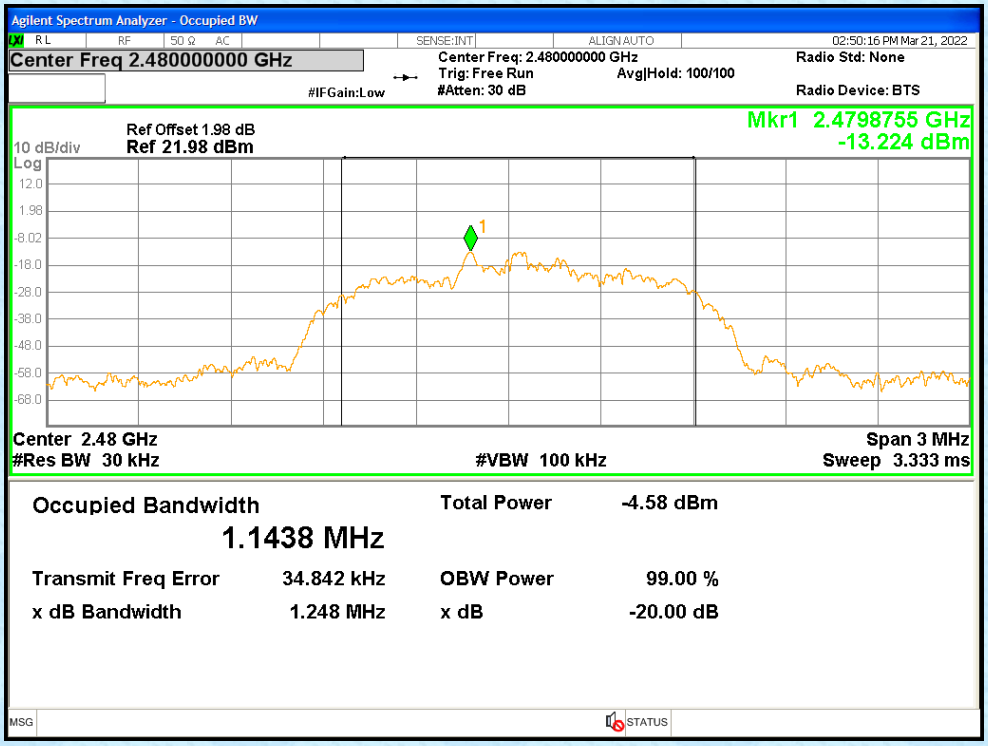
OBW NVNT 2-DH1 2402MHz Ant1



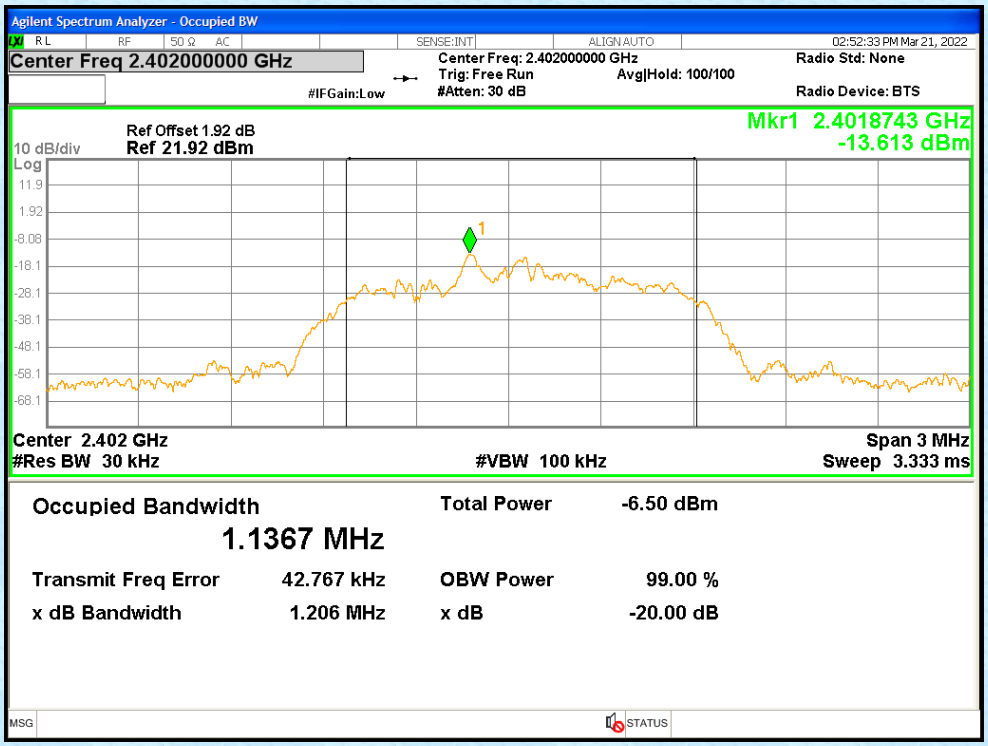
OBW NVNT 2-DH1 2441MHz Ant1



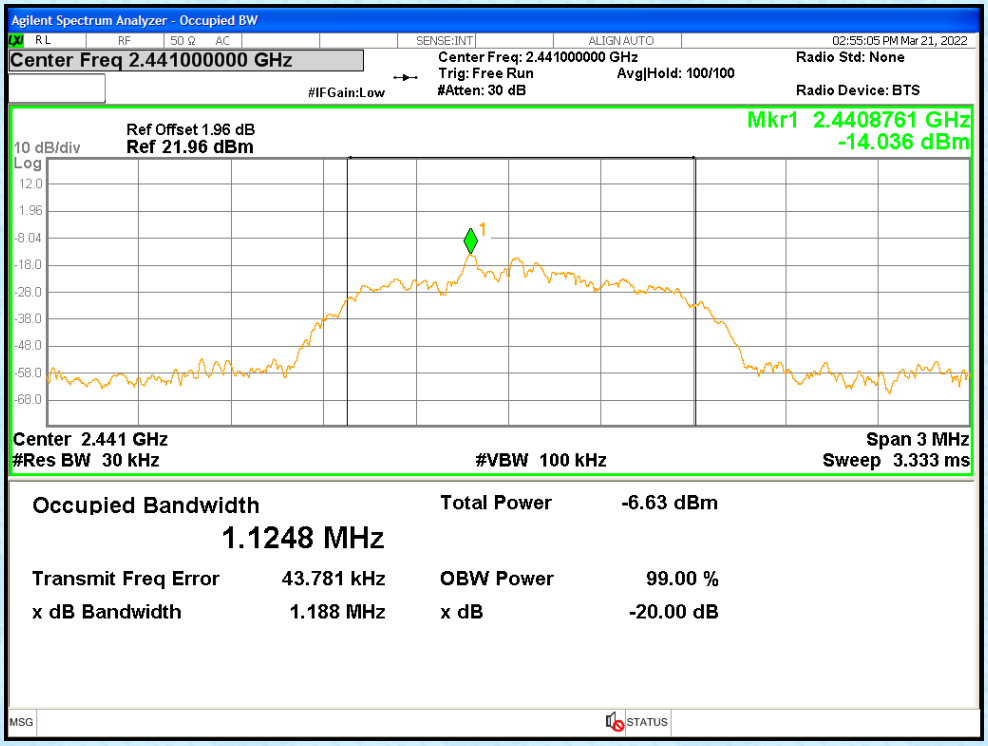
OBW NVNT 2-DH1 2480MHz Ant1



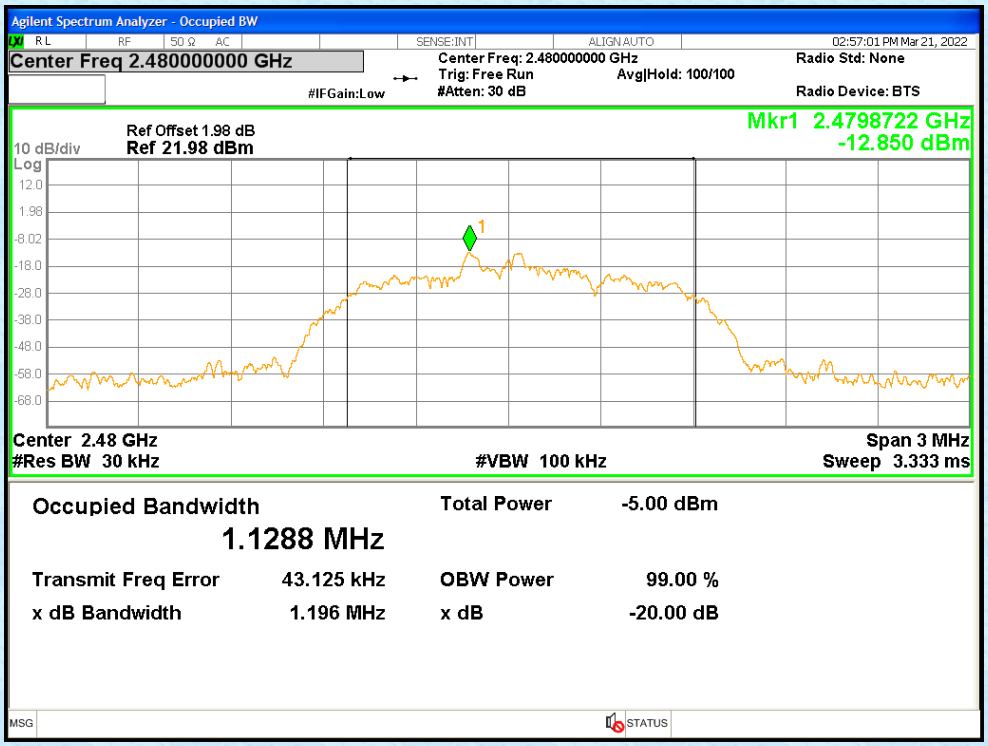
OBW NVNT 3-DH1 2402MHz Ant1



OBW NVNT 3-DH1 2441MHz Ant1



OBW NVNT 3-DH1 2480MHz Ant1

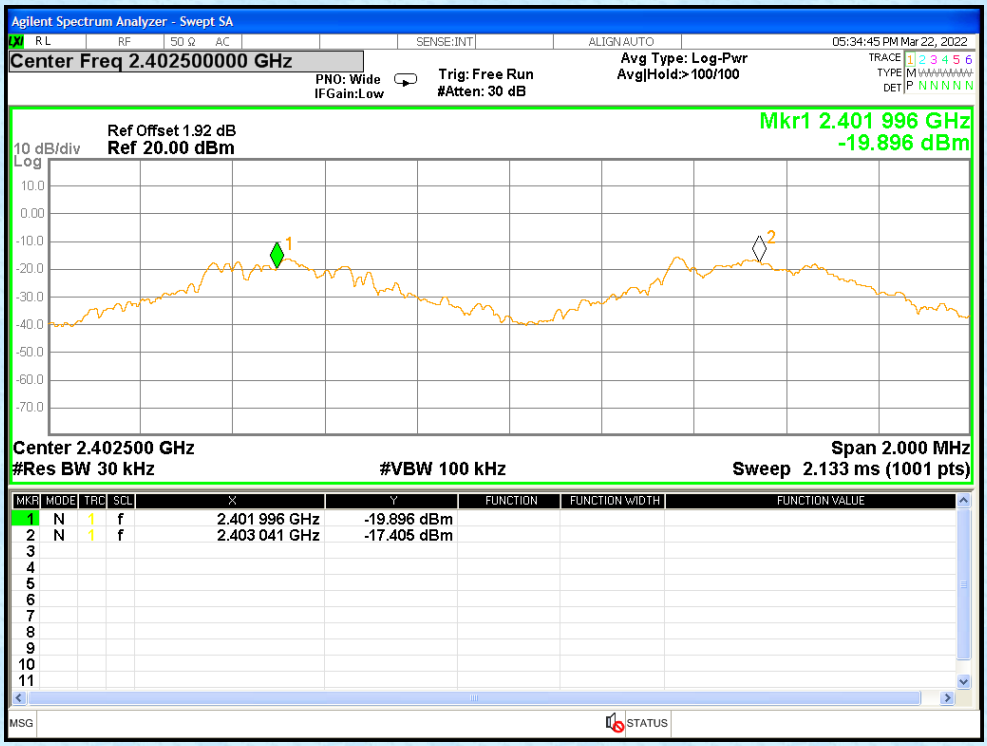


Carrier Frequencies Separation

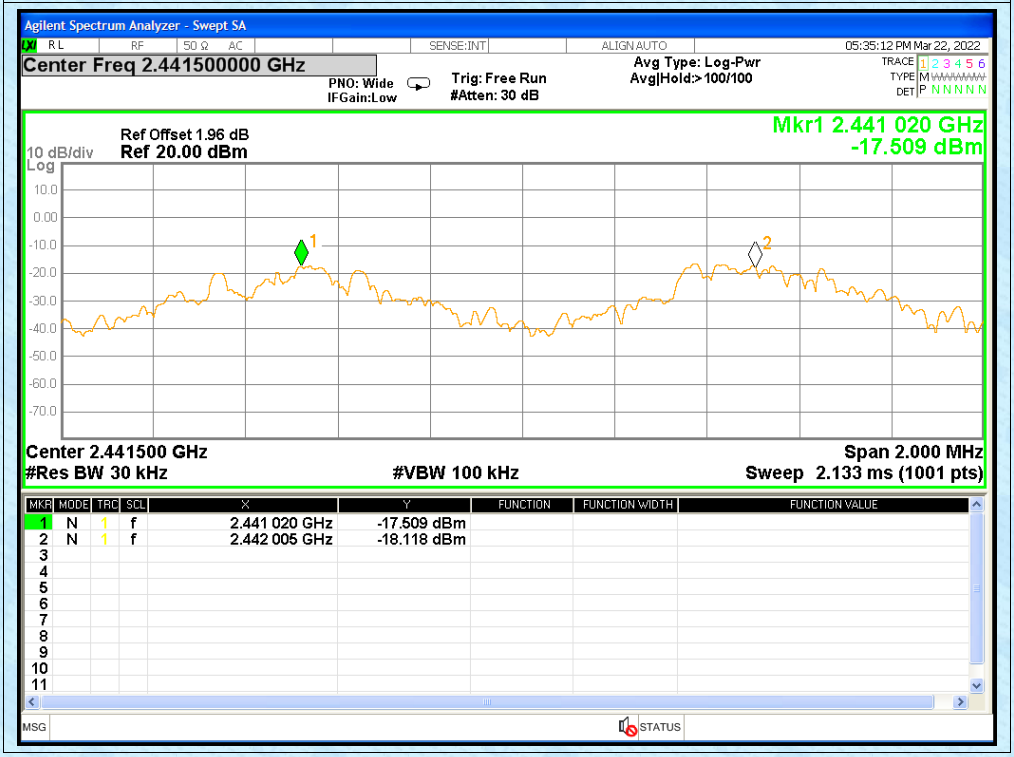
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH1	Ant1	2401.996	2403.041	1.045	0.585	Pass
NVNT	1-DH1	Ant1	2441.02	2442.005	0.985	0.575	Pass
NVNT	1-DH1	Ant1	2479.022	2480.005	0.983	0.587	Pass
NVNT	2-DH1	Ant1	2402.028	2403.061	1.033	0.861	Pass
NVNT	2-DH1	Ant1	2441.027	2442.078	1.051	0.838	Pass
NVNT	2-DH1	Ant1	2478.862	2480.162	1.3	0.84	Pass
NVNT	3-DH1	Ant1	2402.005	2403.101	1.096	0.82	Pass
NVNT	3-DH1	Ant1	2440.875	2441.862	0.987	0.807	Pass
NVNT	3-DH1	Ant1	2478.872	2479.877	1.005	0.799	Pass

Test Graphs

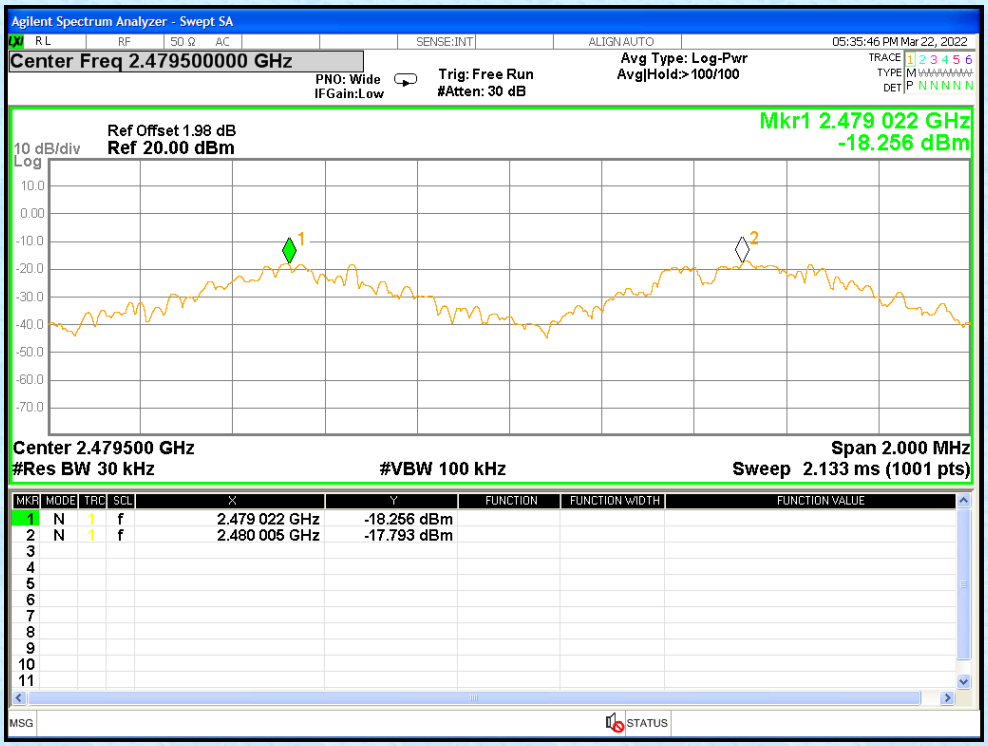
CFS NVNT 1-DH1 2402MHz Ant1



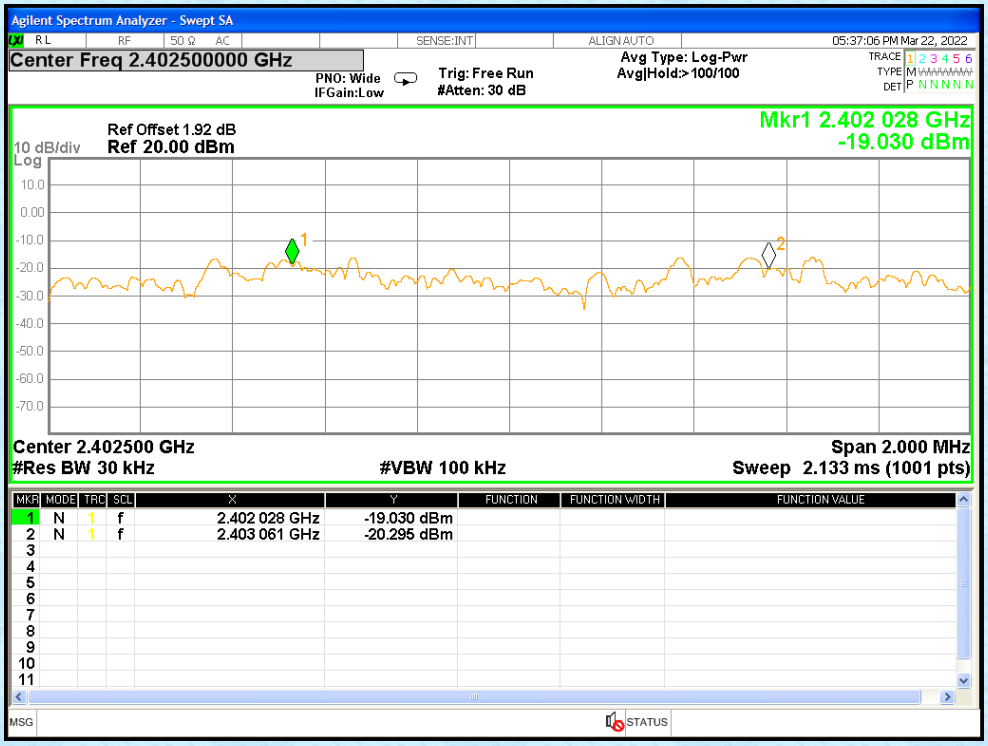
CFS NVNT 1-DH1 2441MHz Ant1



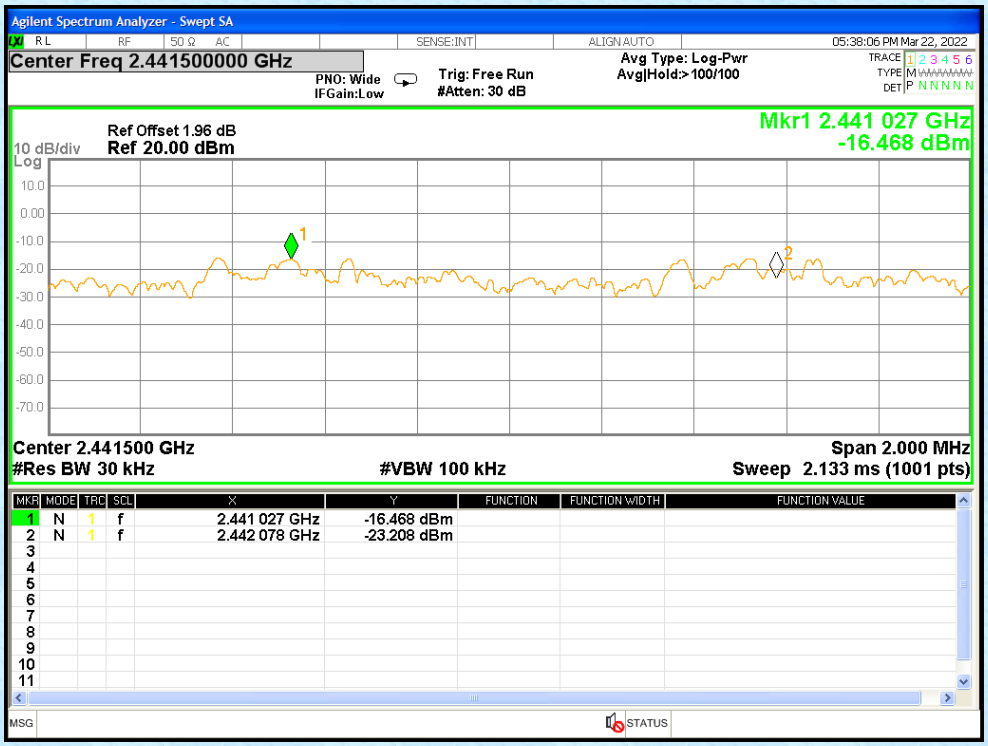
CFS NVNT 1-DH1 2480MHz Ant1



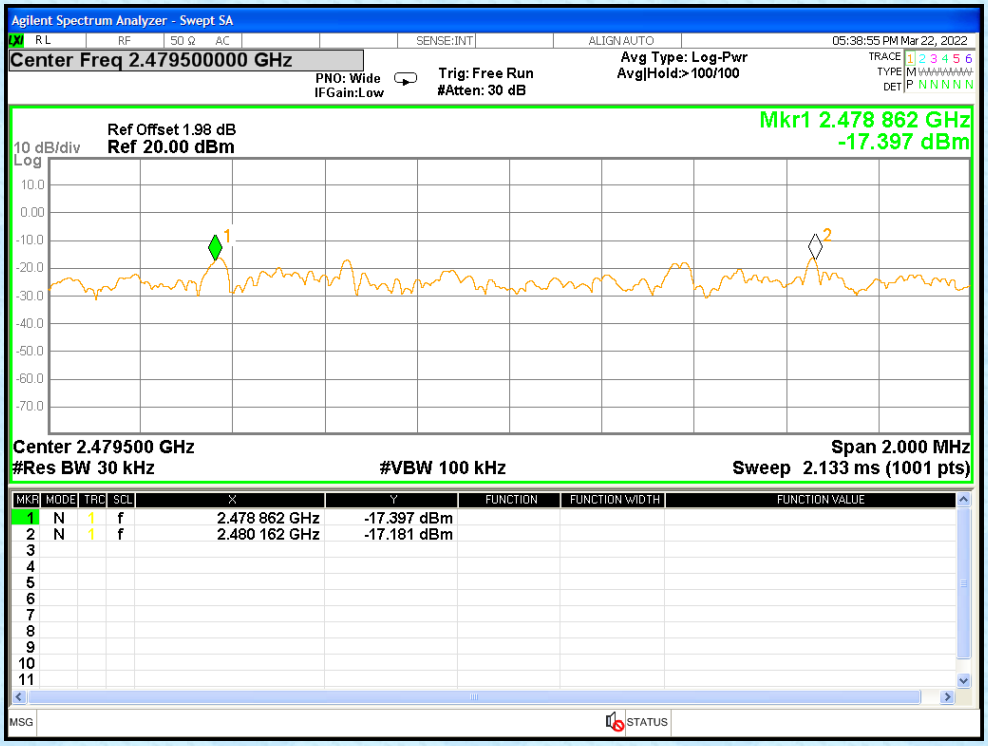
CFS NVNT 2-DH1 2402MHz Ant1



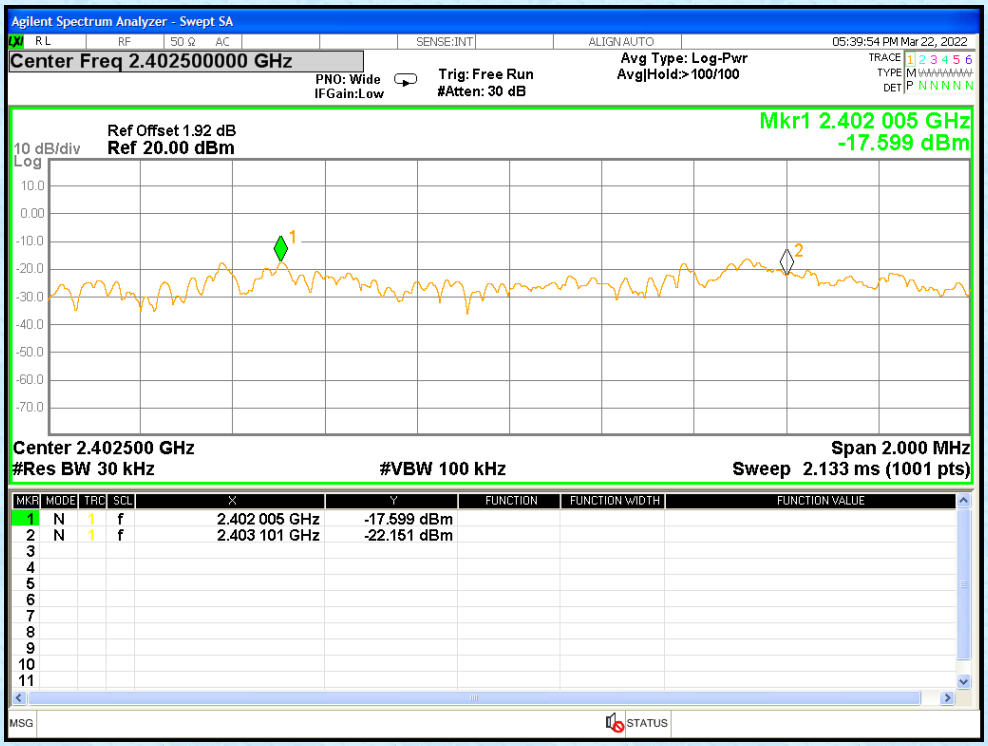
CFS NVNT 2-DH1 2441MHz Ant1



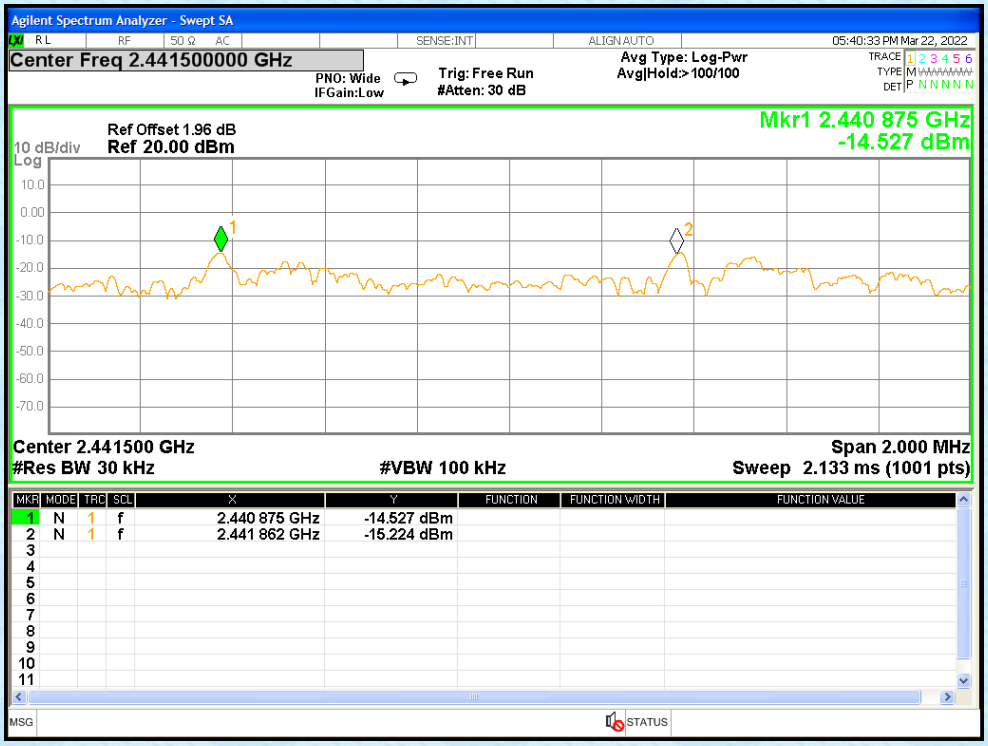
CFS NVNT 2-DH1 2480MHz Ant1



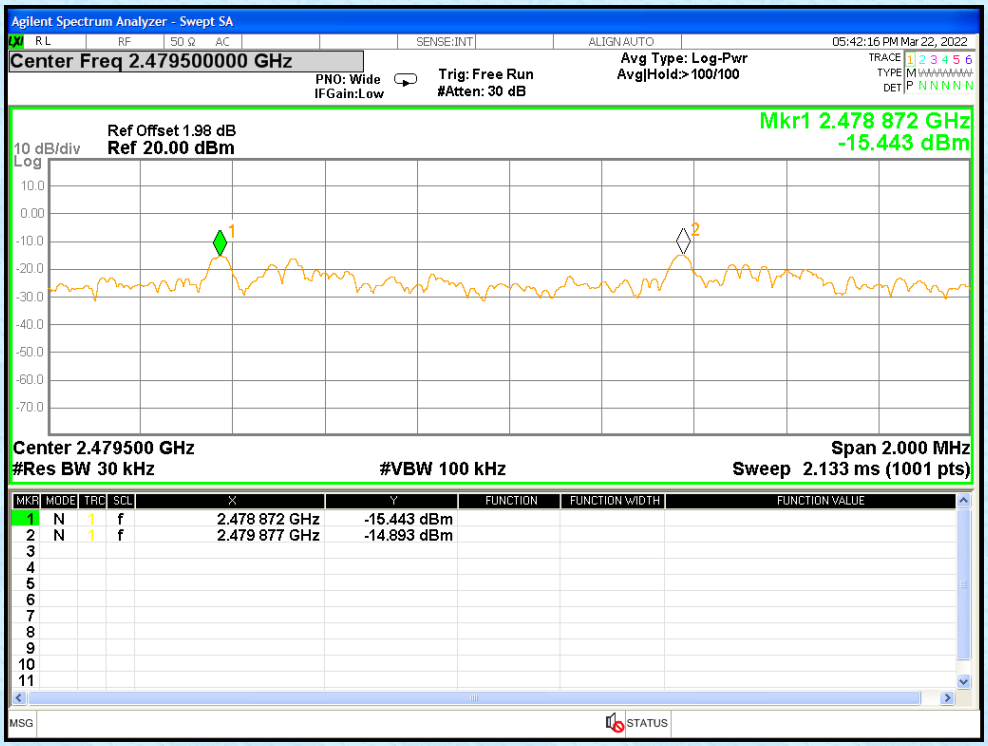
CFS NVNT 3-DH1 2402MHz Ant1



CFS NVNT 3-DH1 2441MHz Ant1



CFS NVNT 3-DH1 2480MHz Ant1

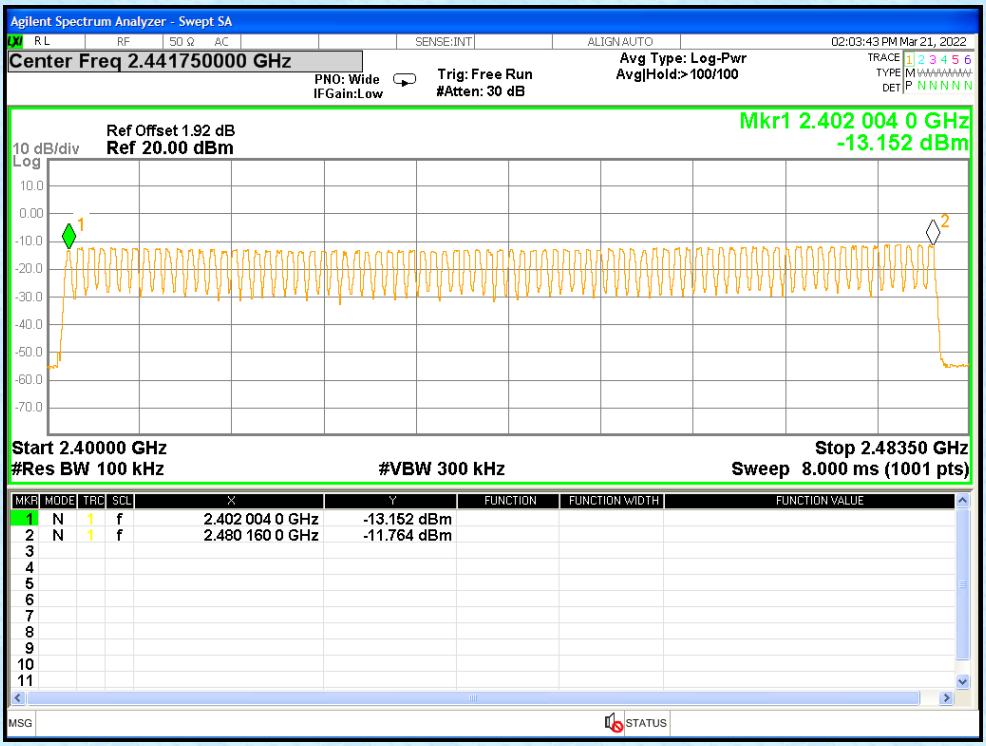


Number of Hopping Channel

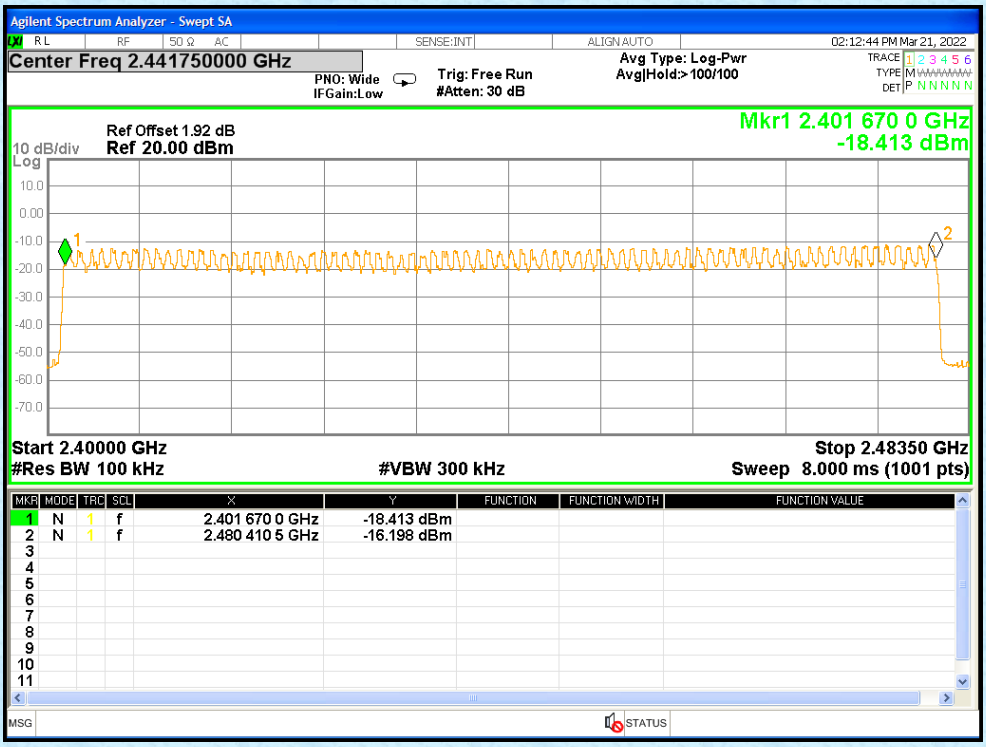
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH1	Ant1	79	15	Pass
NVNT	2-DH1	Ant1	79	15	Pass
NVNT	3-DH1	Ant1	79	15	Pass

Test Graphs

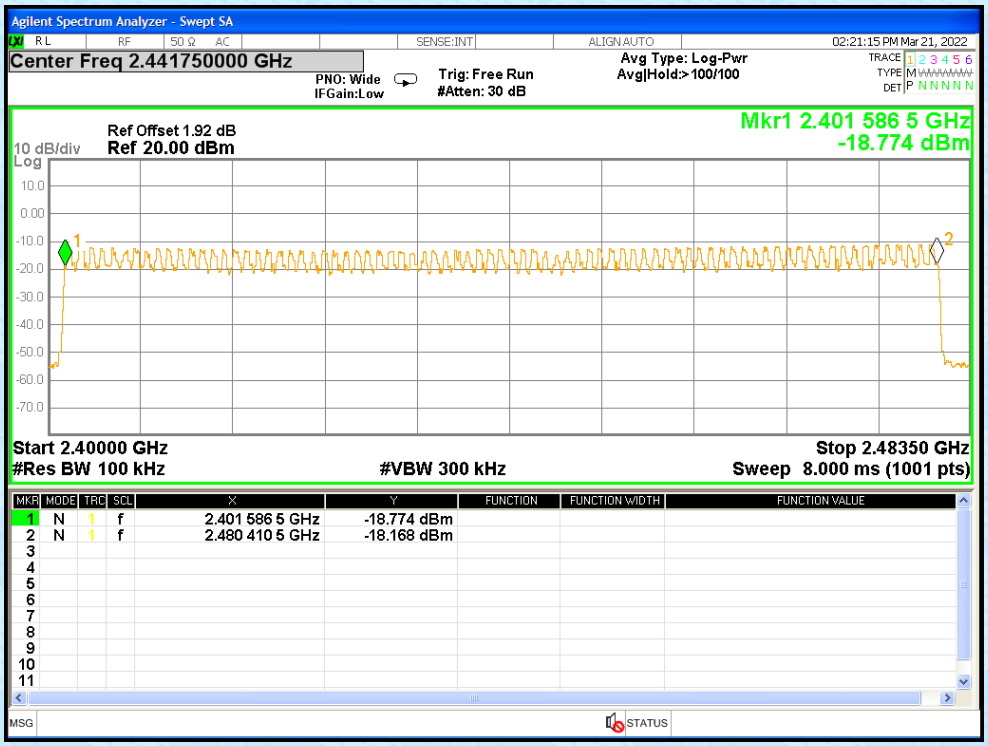
Hopping No. NVNT 1-DH1 2402MHz Ant1



Hopping No. NVNT 2-DH1 2402MHz Ant1



Hopping No. NVNT 3-DH1 2402MHz Ant1



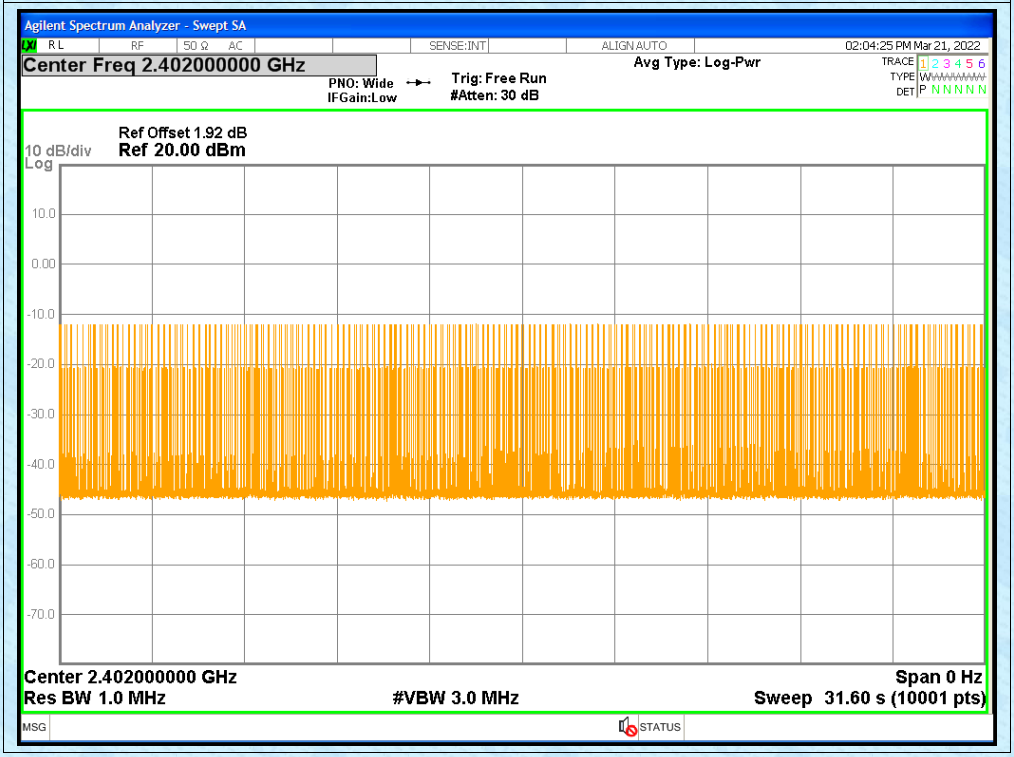
Dwell Time

Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH1	2402	Ant1	0.388	124.16	320	31600	400	Pass
NVNT	1-DH3	2402	Ant1	1.644	267.972	163	31600	400	Pass
NVNT	1-DH5	2402	Ant1	2.892	344.148	119	31600	400	Pass

Test Graphs

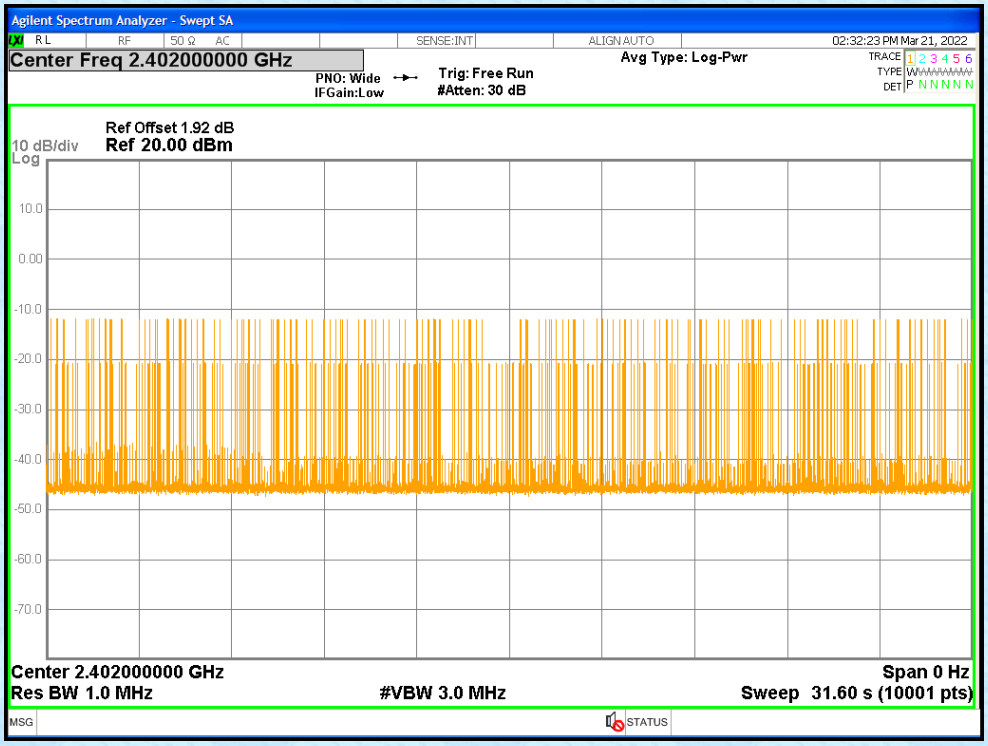
Dwell NVNT 1-DH1 2402MHz Ant1 One Burst

Dwell NVNT 1-DH1 2402MHz Ant1 Accumulated



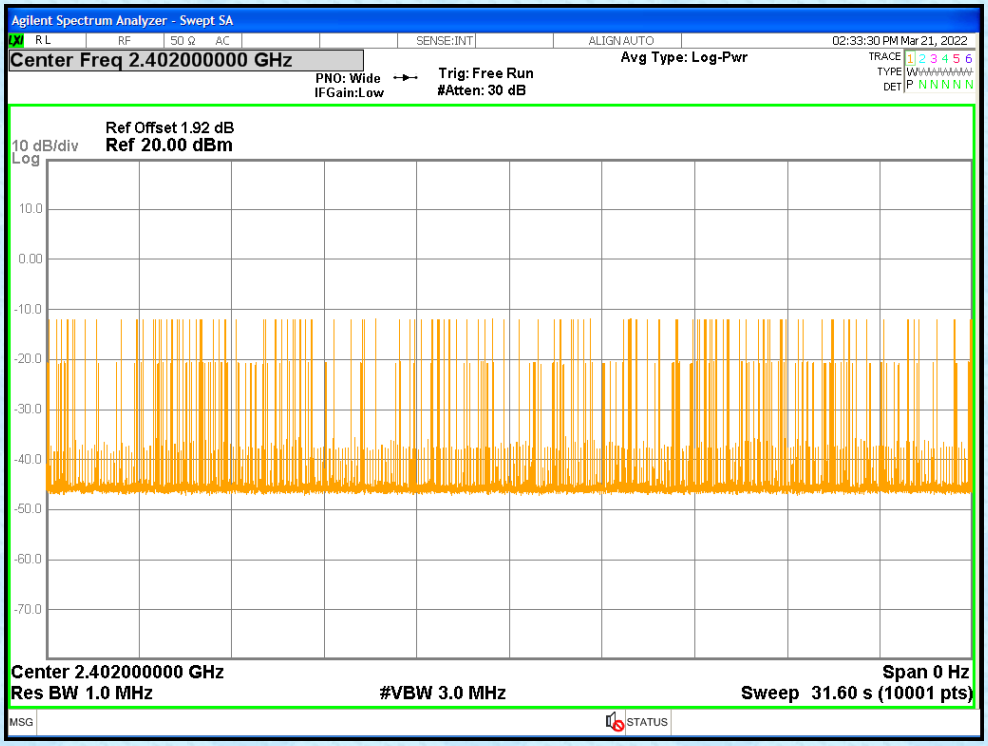
Dwell NVNT 1-DH3 2402MHz Ant1 One Burst

Dwell NVNT 1-DH3 2402MHz Ant1 Accumulated



Dwell NVNT 1-DH5 2402MHz Ant1 One Burst

Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated

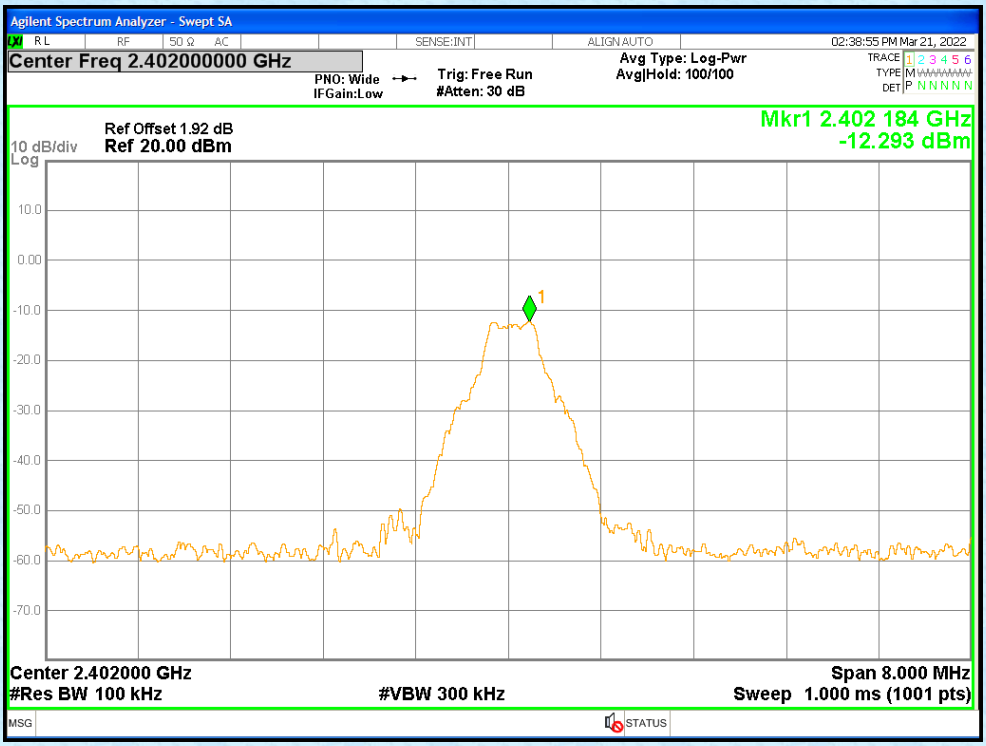


Band Edge

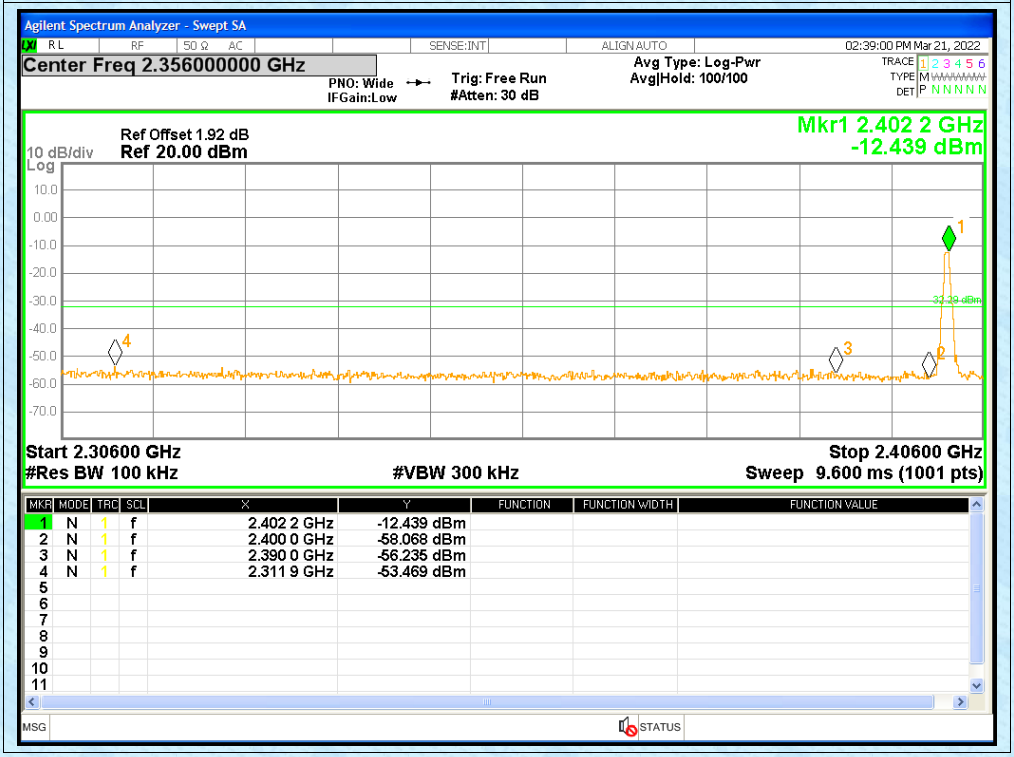
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	No-Hopping	-41.17	-20	Pass
NVNT	1-DH1	2480	Ant1	No-Hopping	-42.08	-20	Pass
NVNT	2-DH1	2402	Ant1	No-Hopping	-41.2	-20	Pass
NVNT	2-DH1	2480	Ant1	No-Hopping	-43.62	-20	Pass
NVNT	3-DH1	2402	Ant1	No-Hopping	-40.39	-20	Pass
NVNT	3-DH1	2480	Ant1	No-Hopping	-42.34	-20	Pass

Test Graphs

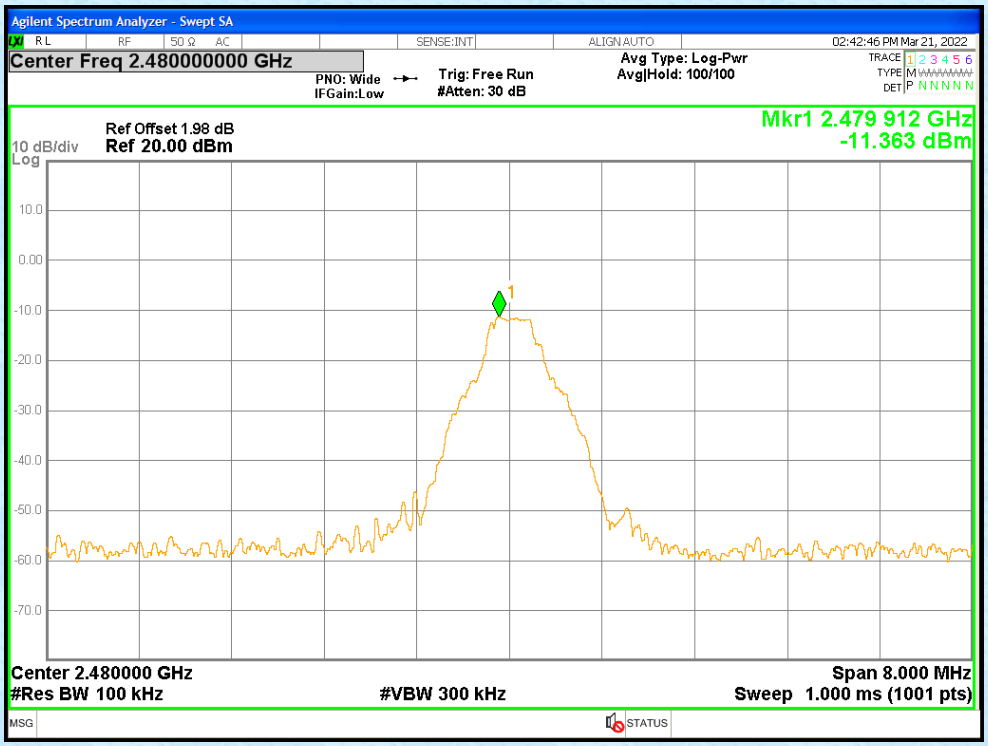
Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Ref



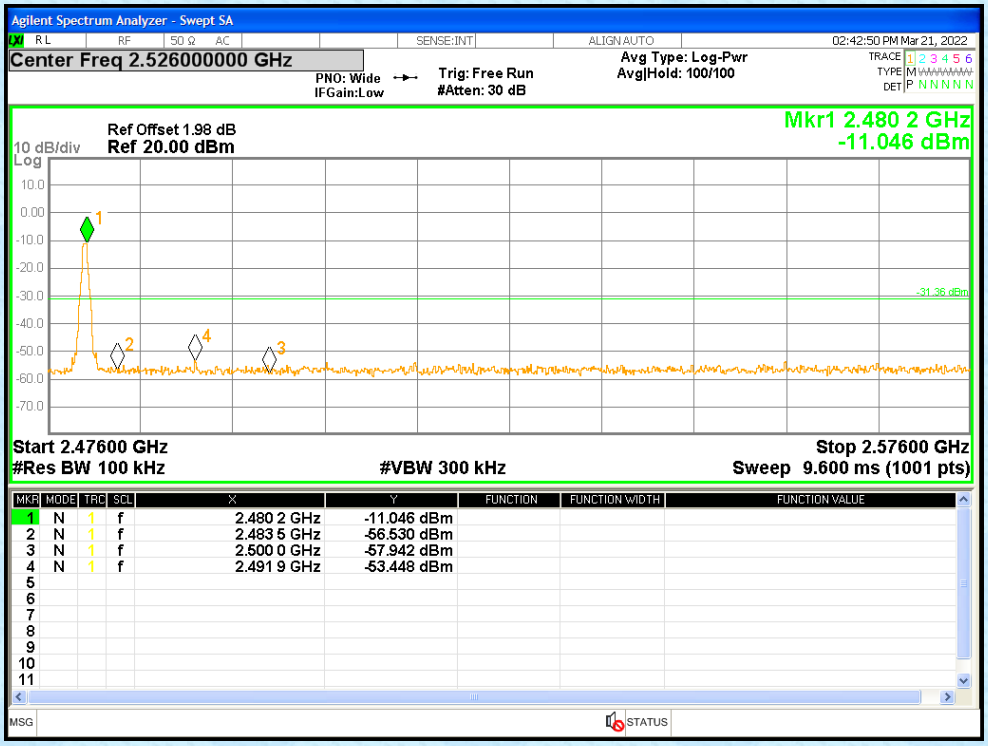
Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Emission



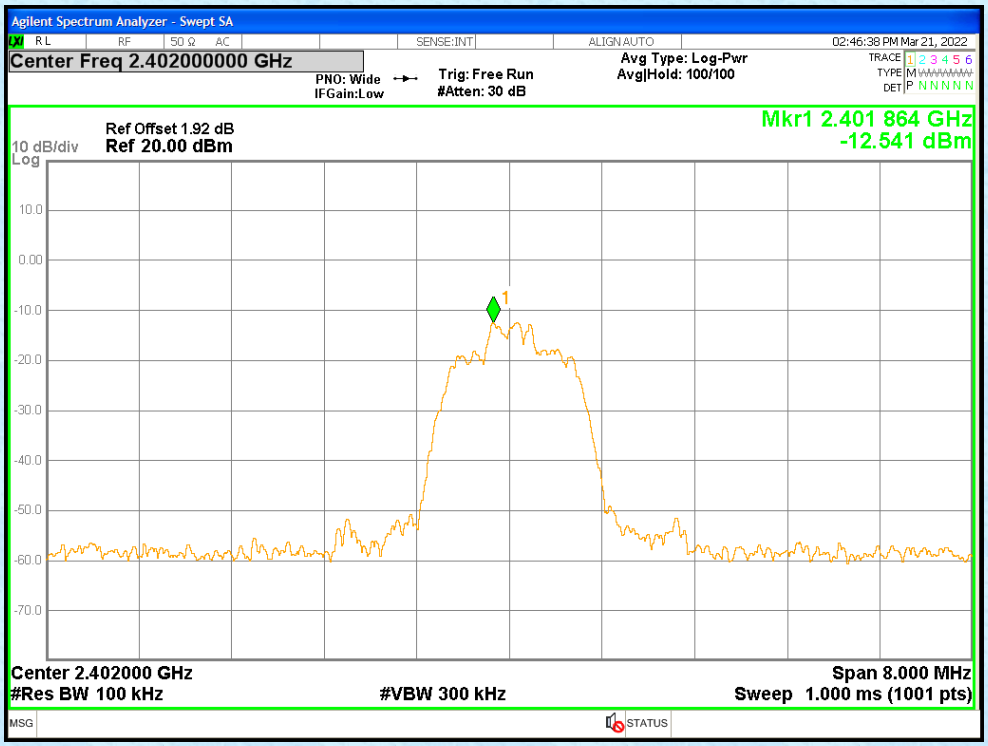
Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Ref



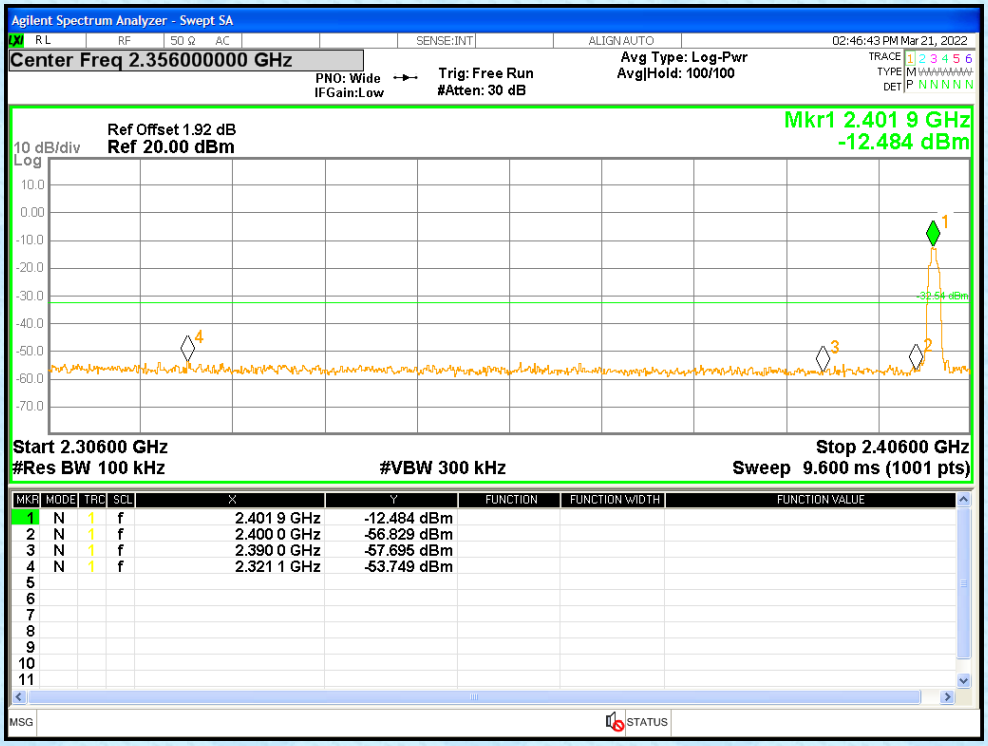
Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Emission



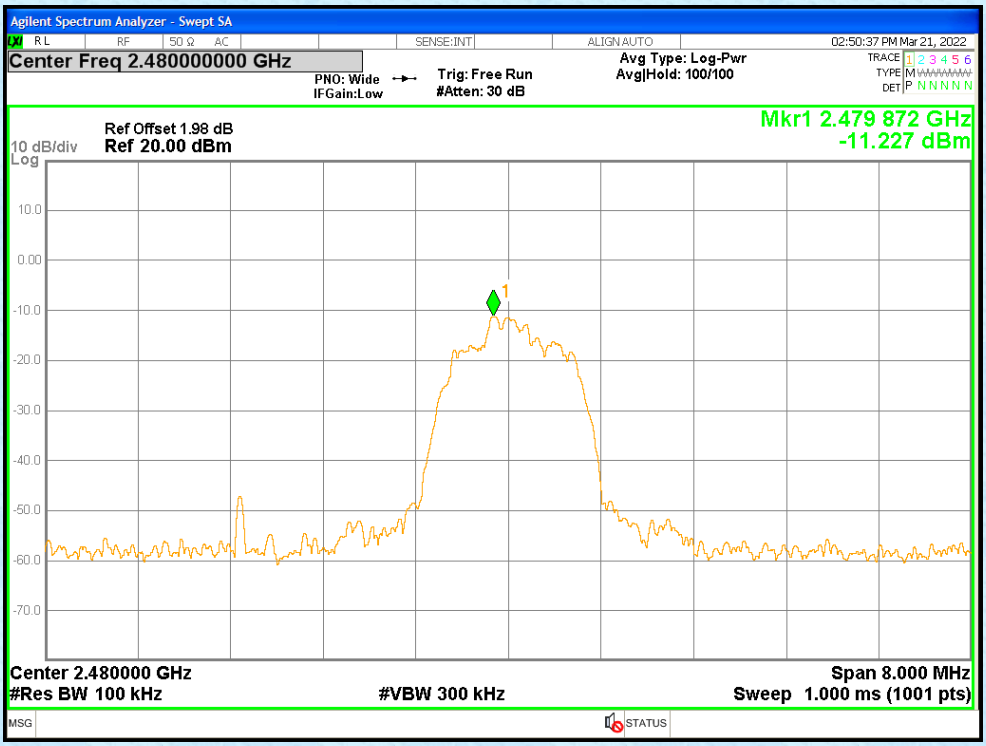
Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Ref



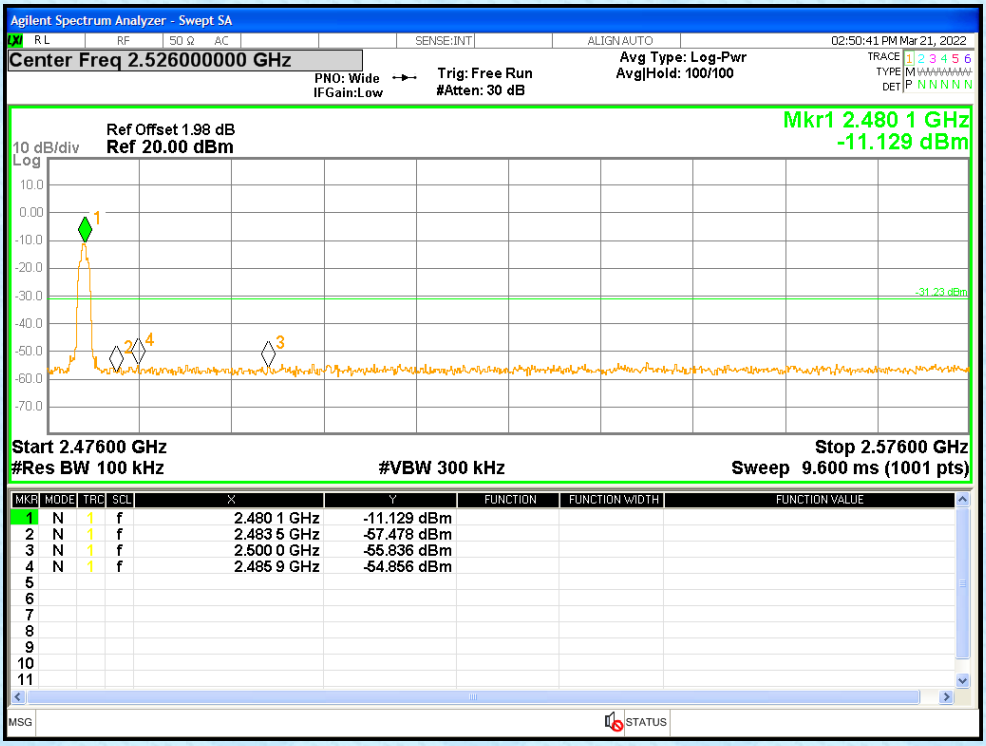
Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Emission



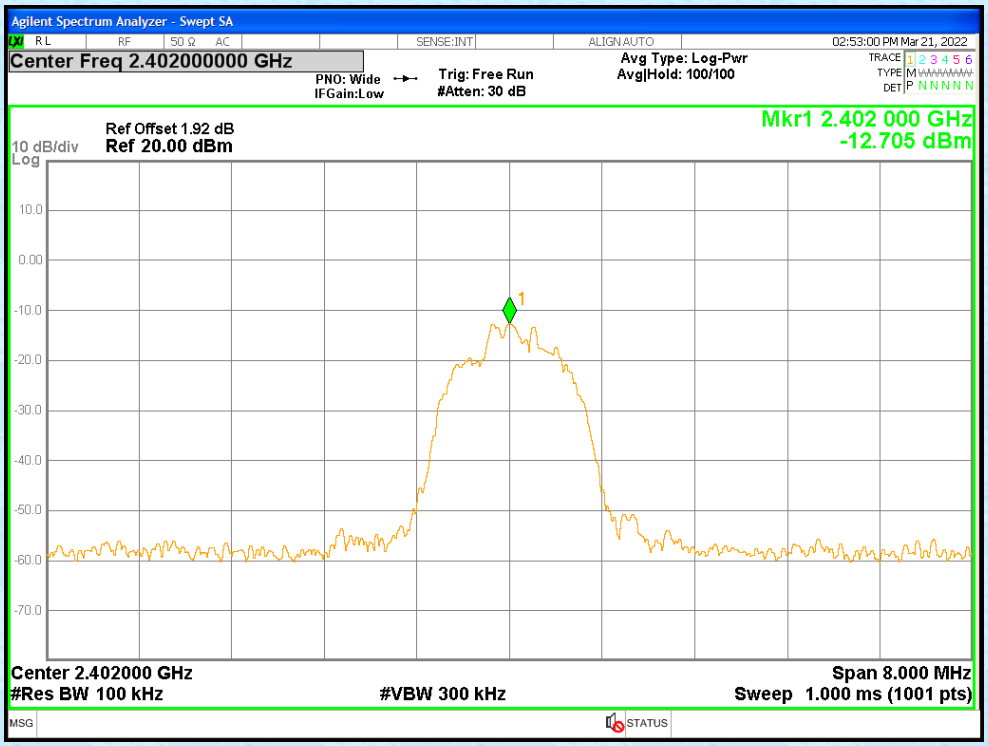
Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Ref



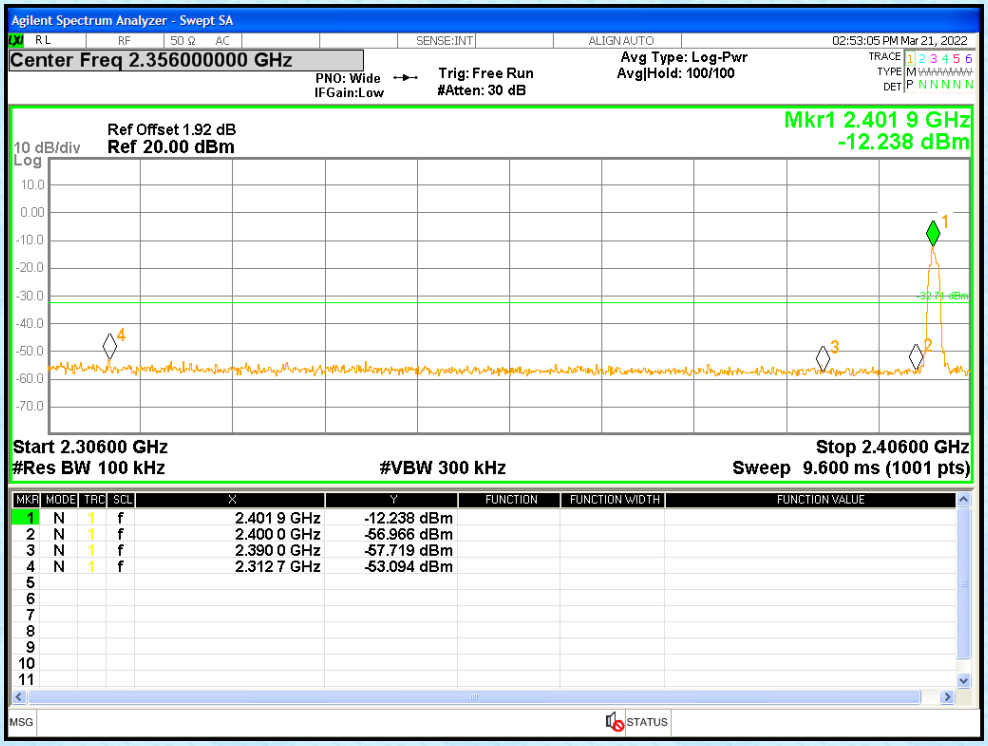
Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Emission



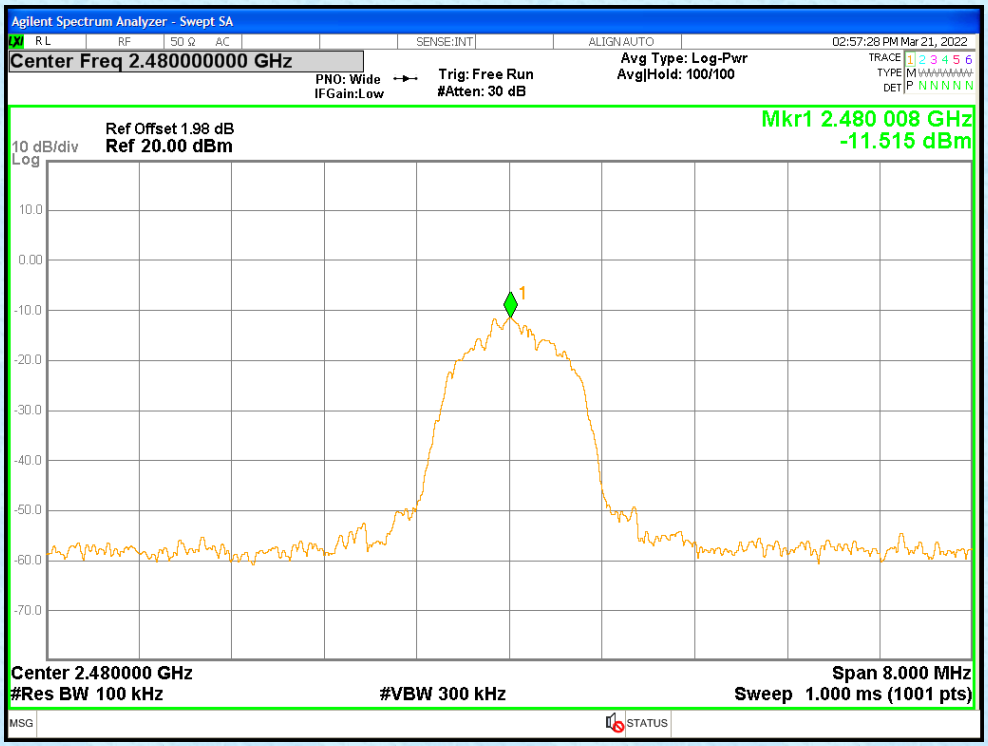
Band Edge NVNT 3-DH1 2402MHz Ant1 No-Hopping Ref



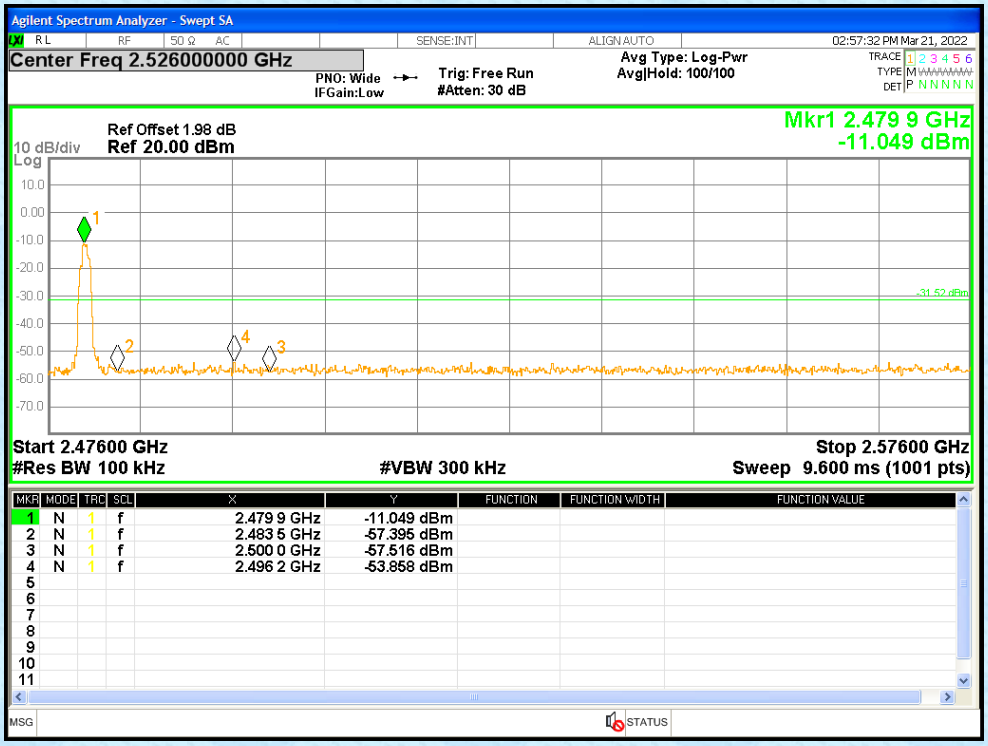
Band Edge NVNT 3-DH1 2402MHz Ant1 No-Hopping Emission



Band Edge NVNT 3-DH1 2480MHz Ant1 No-Hopping Ref



Band Edge NVNT 3-DH1 2480MHz Ant1 No-Hopping Emission

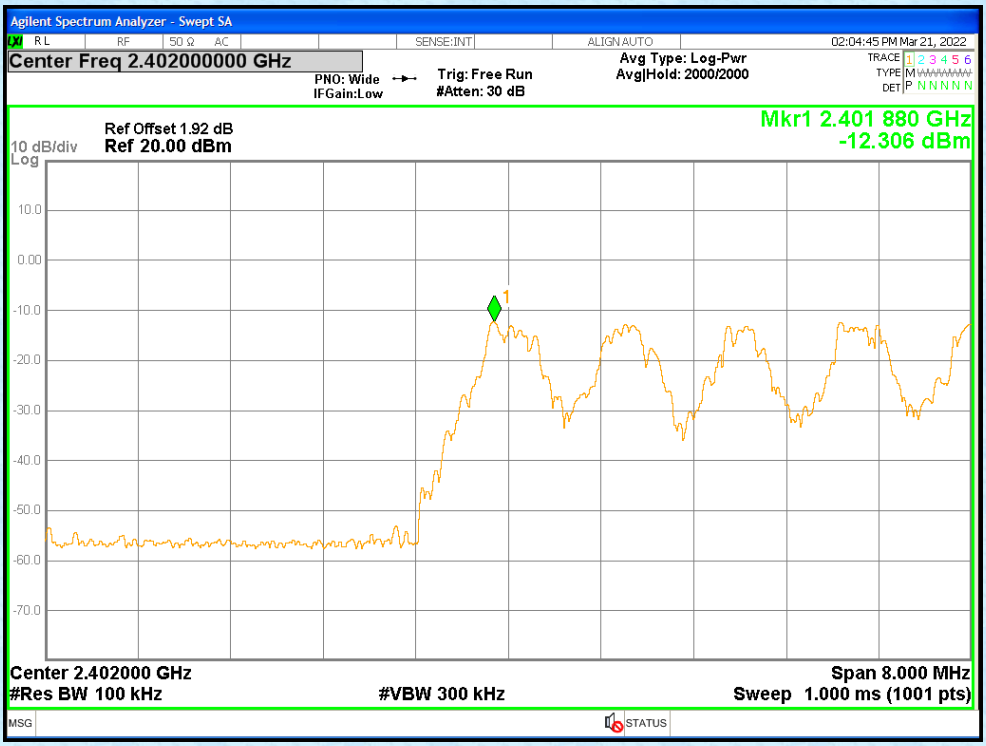


Band Edge(Hopping)

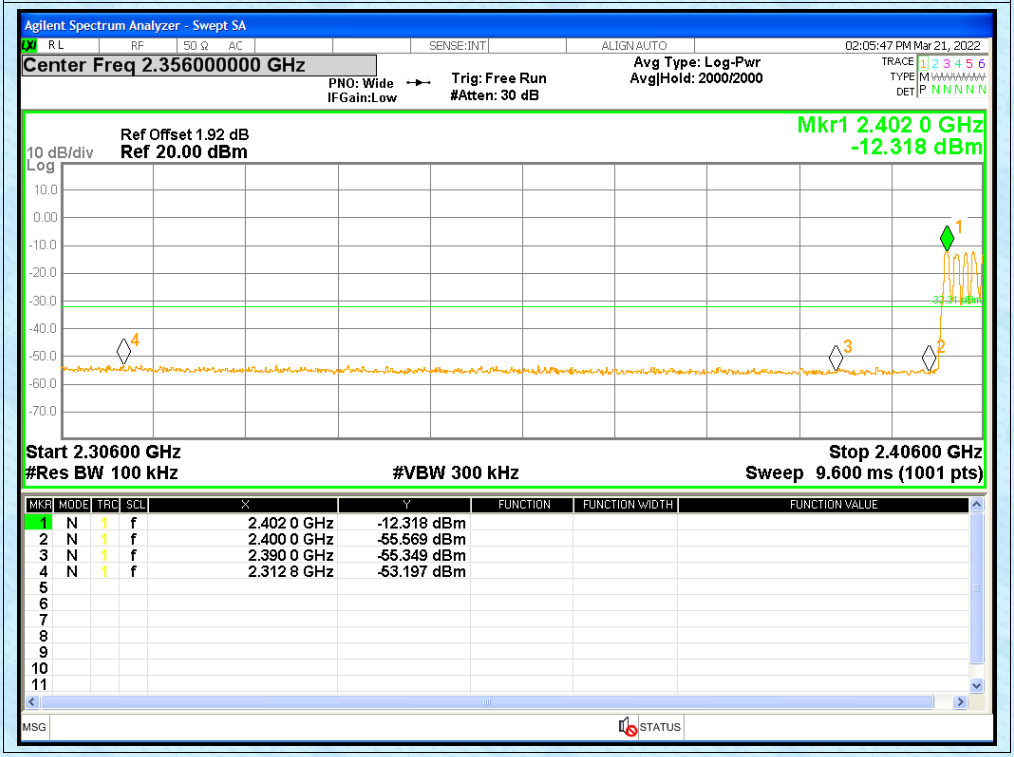
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	Hopping	-40.88	-20	Pass
NVNT	1-DH1	2480	Ant1	Hopping	-41.96	-20	Pass
NVNT	2-DH1	2402	Ant1	Hopping	-40.26	-20	Pass
NVNT	2-DH1	2480	Ant1	Hopping	-41.86	-20	Pass
NVNT	3-DH1	2402	Ant1	Hopping	-40.5	-20	Pass
NVNT	3-DH1	2480	Ant1	Hopping	-42.15	-20	Pass

Test Graphs

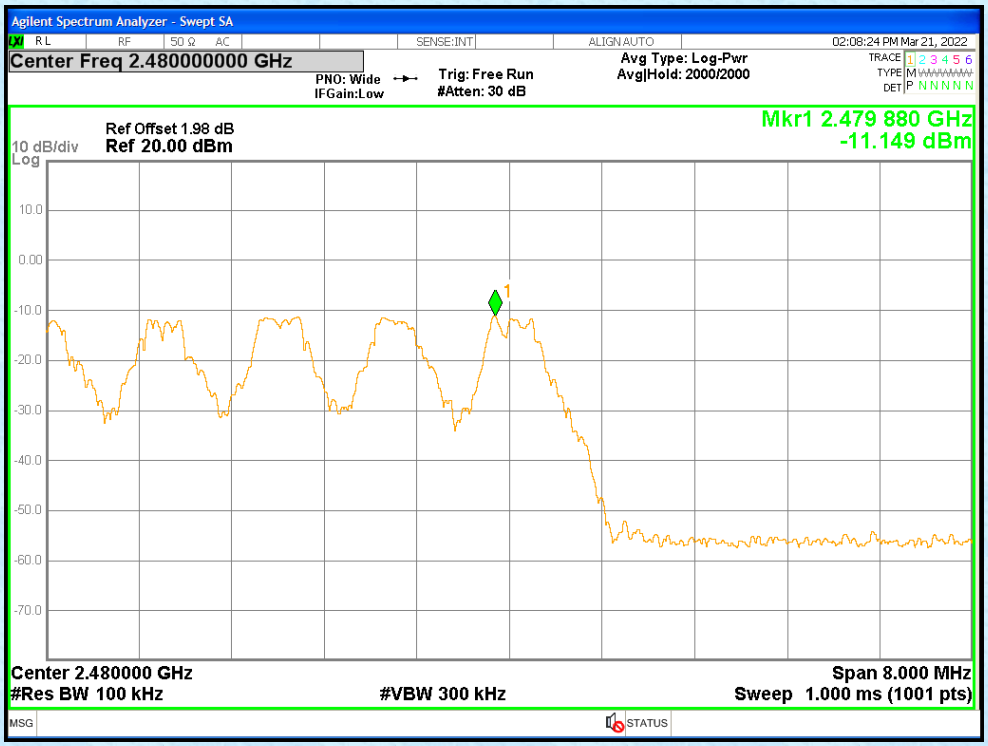
Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Ref



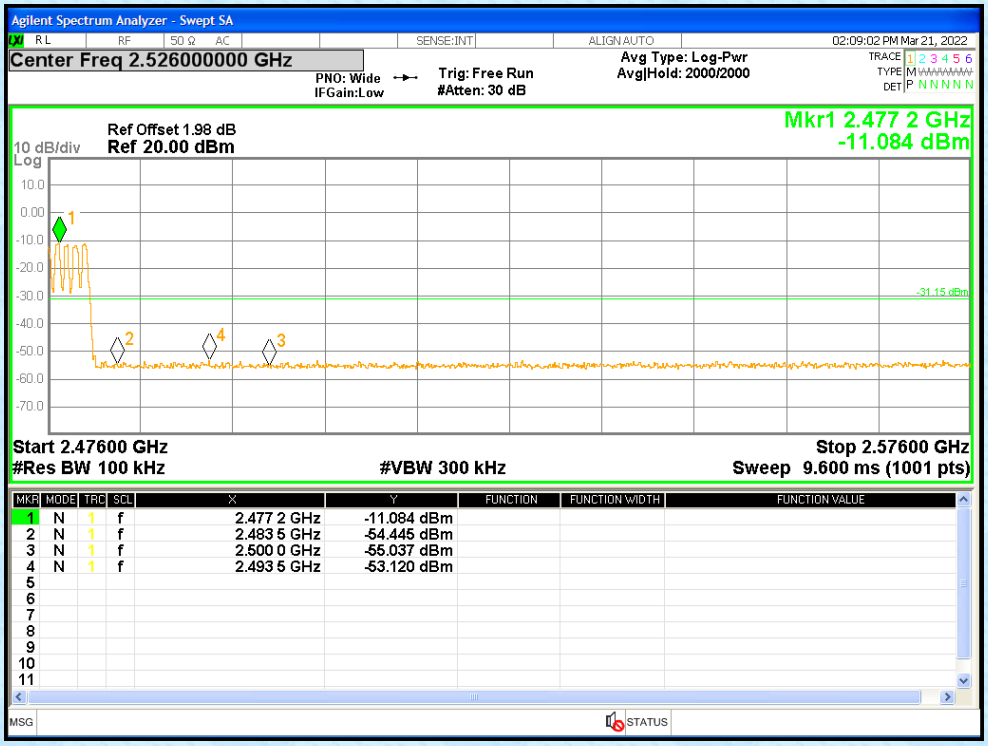
Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Emission



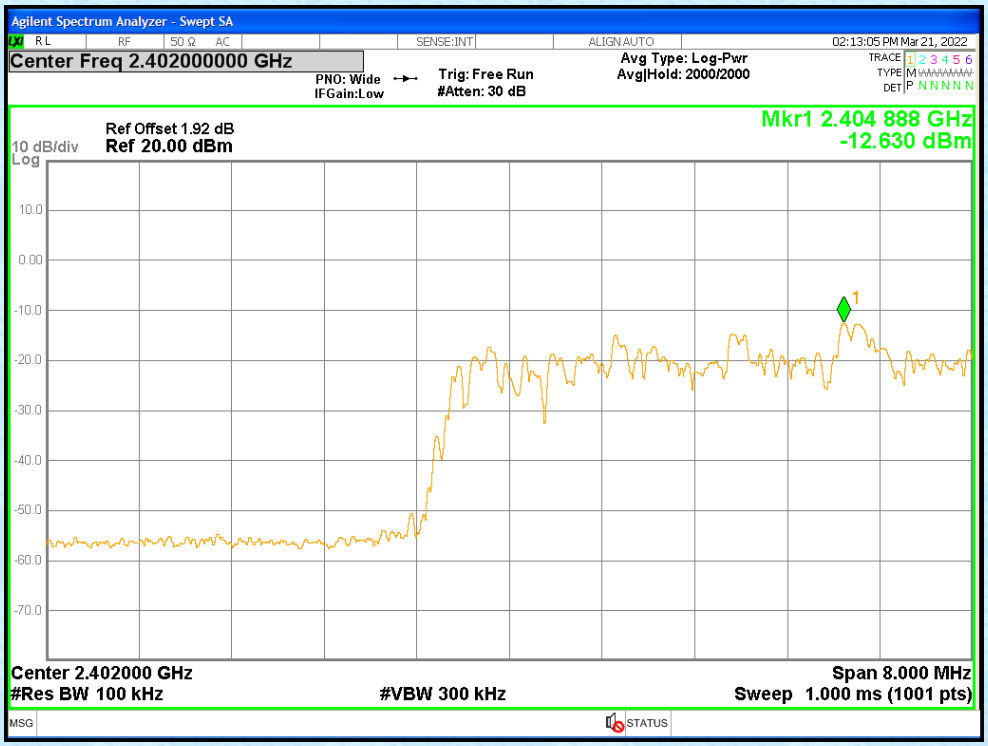
Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Ref



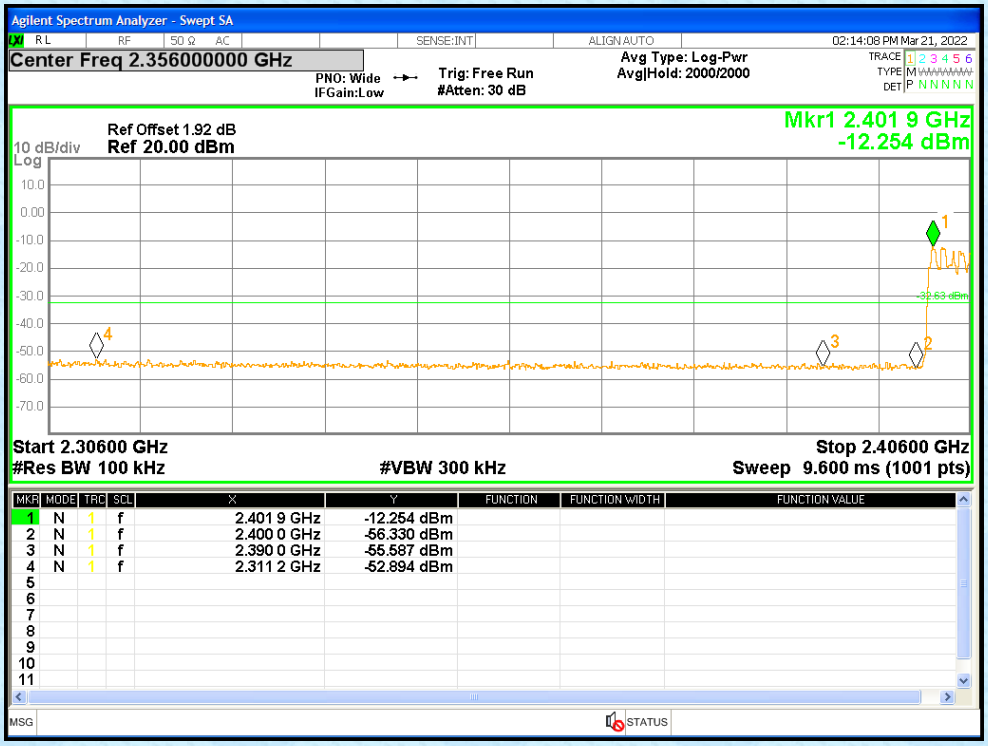
Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Emission



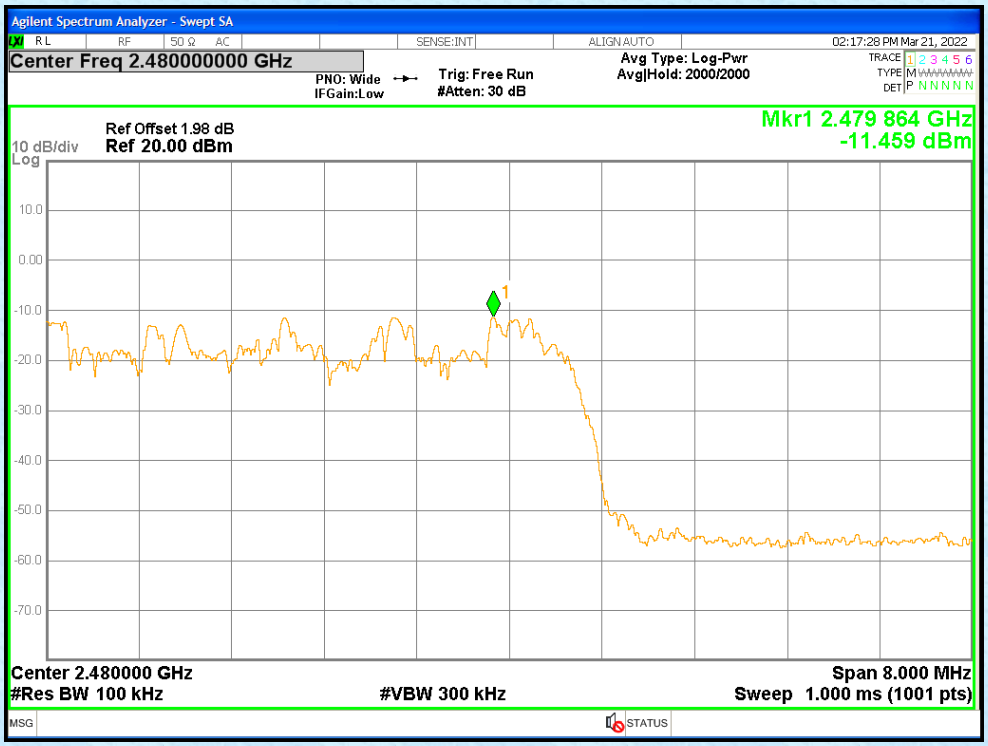
Band Edge(Hopping) NVNT 2-DH1 2402MHz Ant1 Hopping Ref



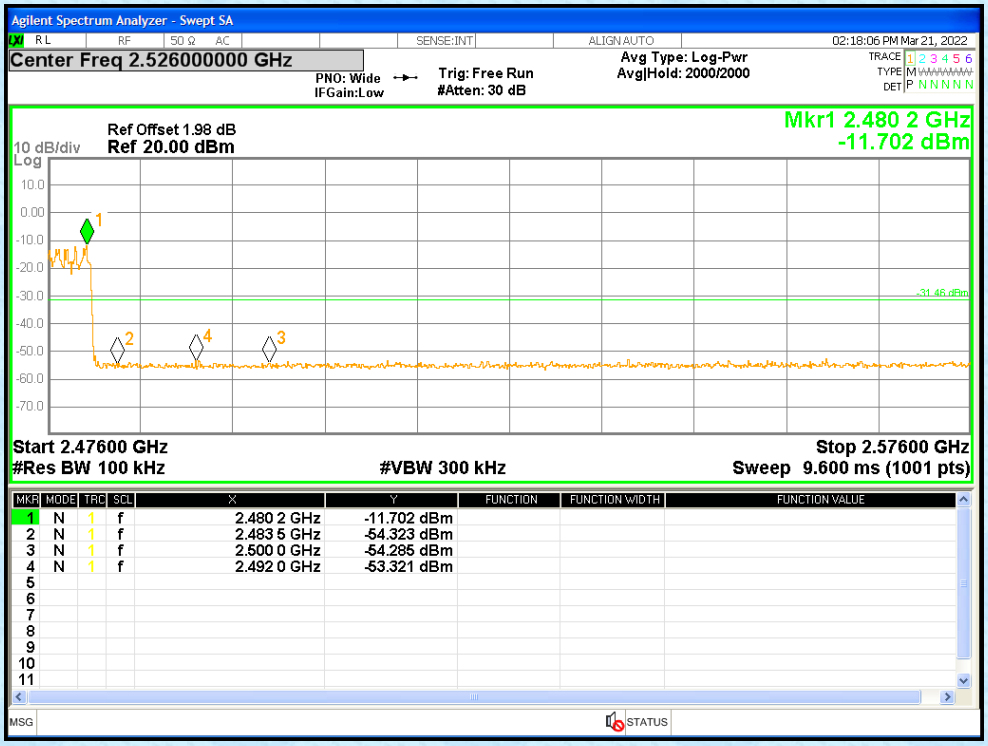
Band Edge(Hopping) NVNT 2-DH1 2402MHz Ant1 Hopping Emission



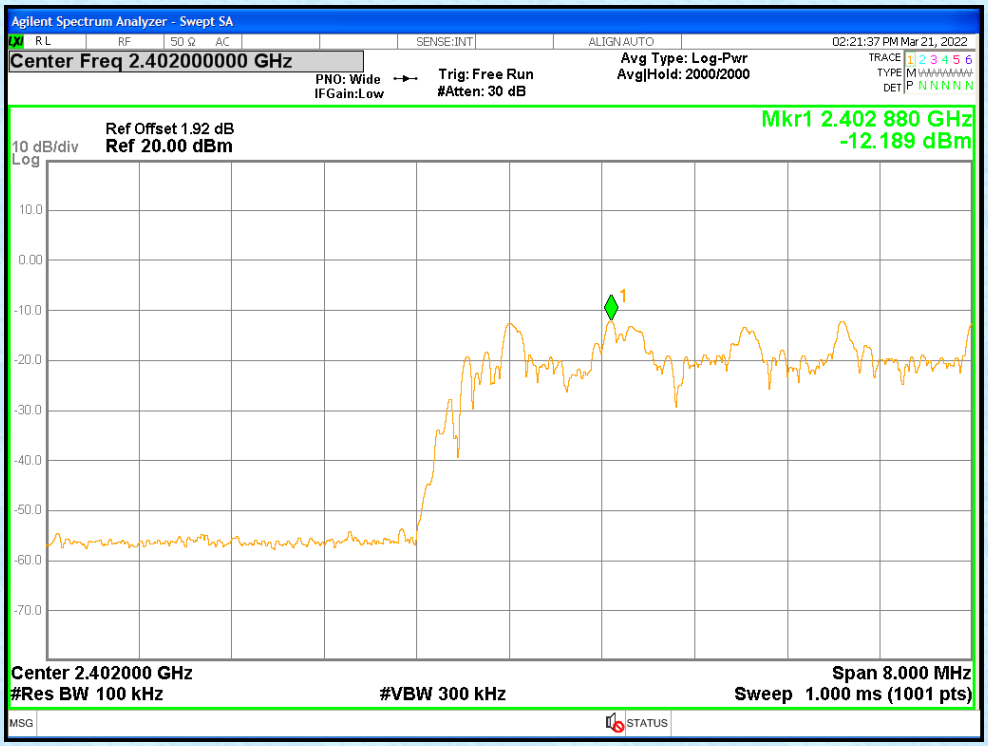
Band Edge(Hopping) NVNT 2-DH1 2480MHz Ant1 Hopping Ref



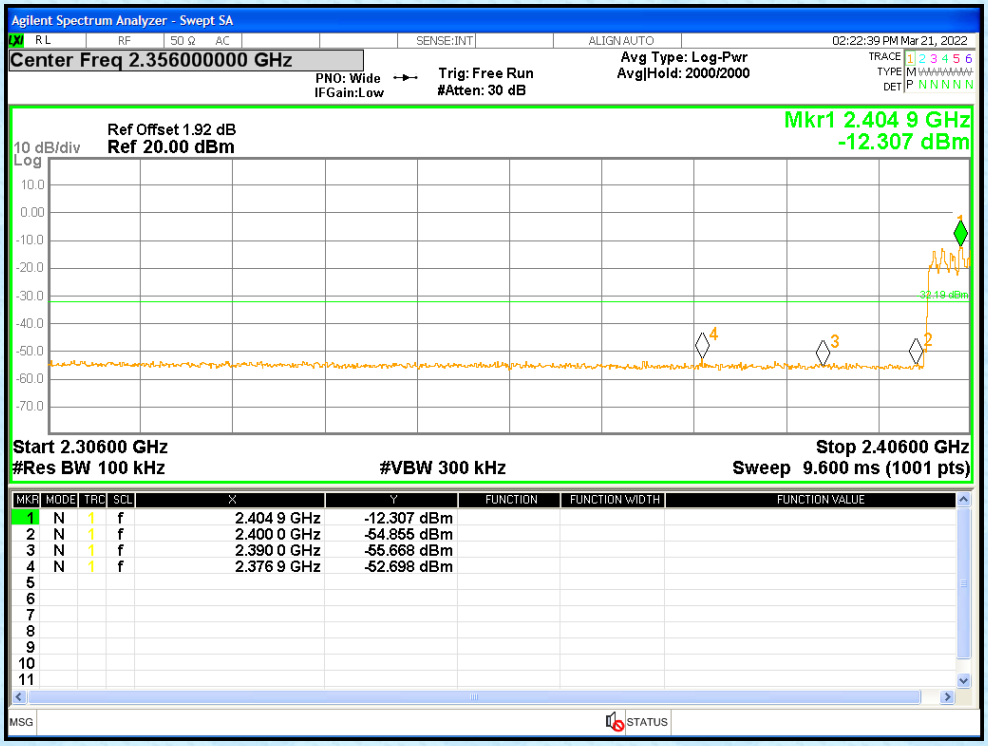
Band Edge(Hopping) NVNT 2-DH1 2480MHz Ant1 Hopping Emission



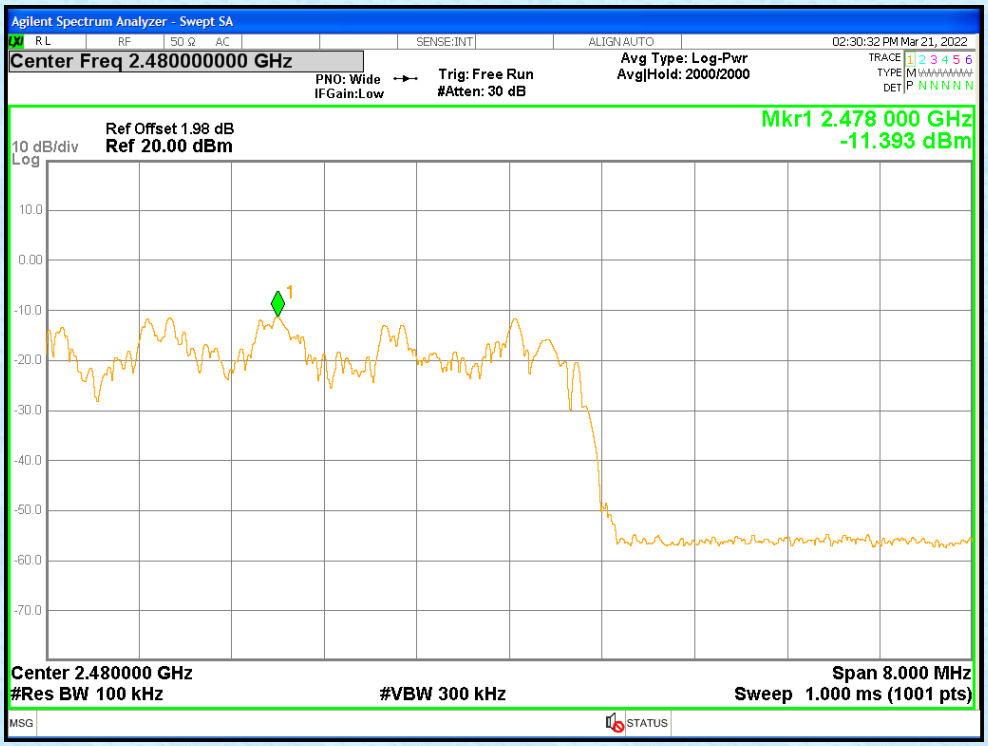
Band Edge(Hopping) NVNT 3-DH1 2402MHz Ant1 Hopping Ref



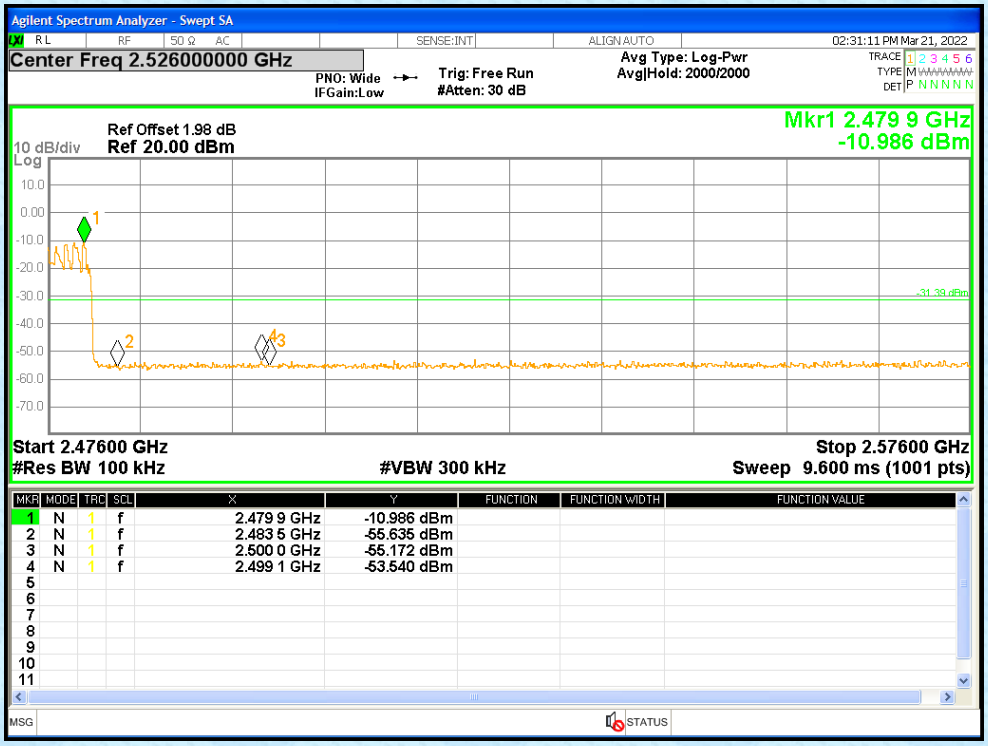
Band Edge(Hopping) NVNT 3-DH1 2402MHz Ant1 Hopping Emission



Band Edge(Hopping) NVNT 3-DH1 2480MHz Ant1 Hopping Ref



Band Edge(Hopping) NVNT 3-DH1 2480MHz Ant1 Hopping Emission

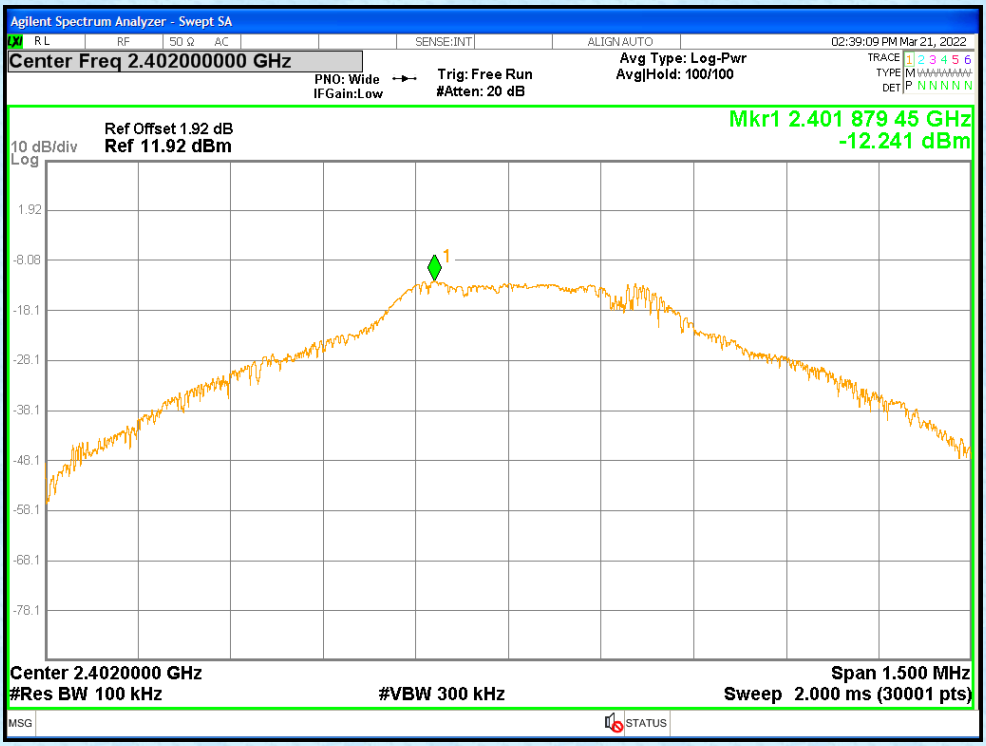


Conducted RF Spurious Emission

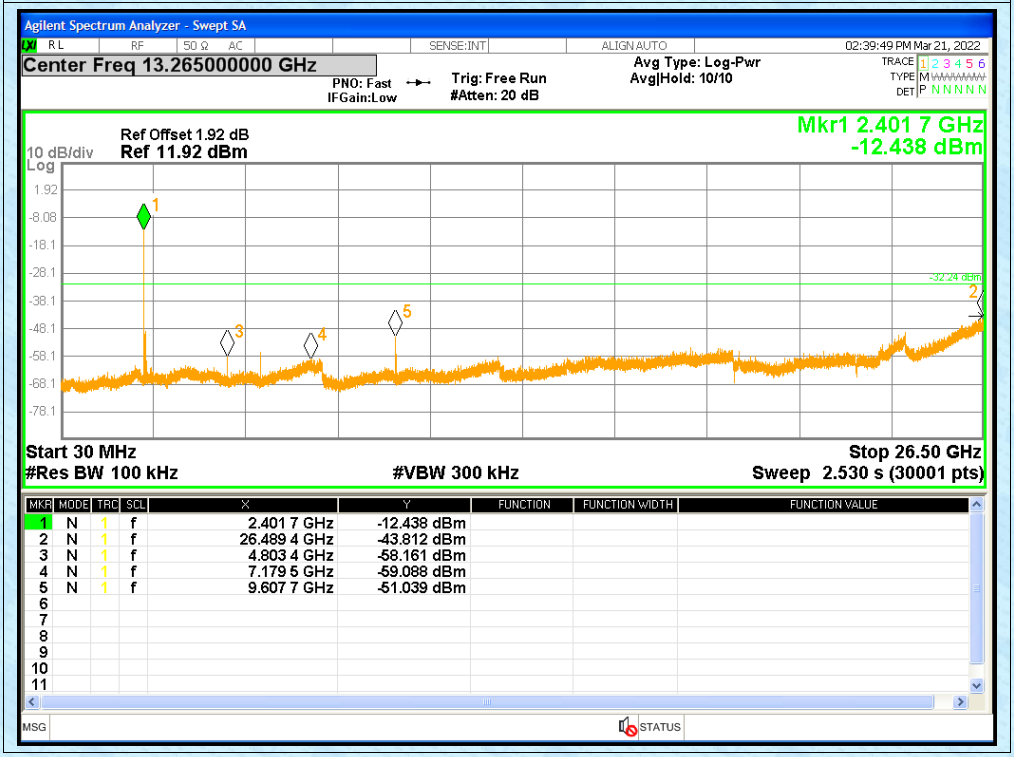
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Ant1	-31.57	-20	Pass
NVNT	1-DH1	2441	Ant1	-31.87	-20	Pass
NVNT	1-DH1	2480	Ant1	-33.95	-20	Pass
NVNT	2-DH1	2402	Ant1	-32.09	-20	Pass
NVNT	2-DH1	2441	Ant1	-31.14	-20	Pass
NVNT	2-DH1	2480	Ant1	-33.05	-20	Pass
NVNT	3-DH1	2402	Ant1	-32.49	-20	Pass
NVNT	3-DH1	2441	Ant1	-30.83	-20	Pass
NVNT	3-DH1	2480	Ant1	-31.99	-20	Pass

Test Graphs

Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Ref

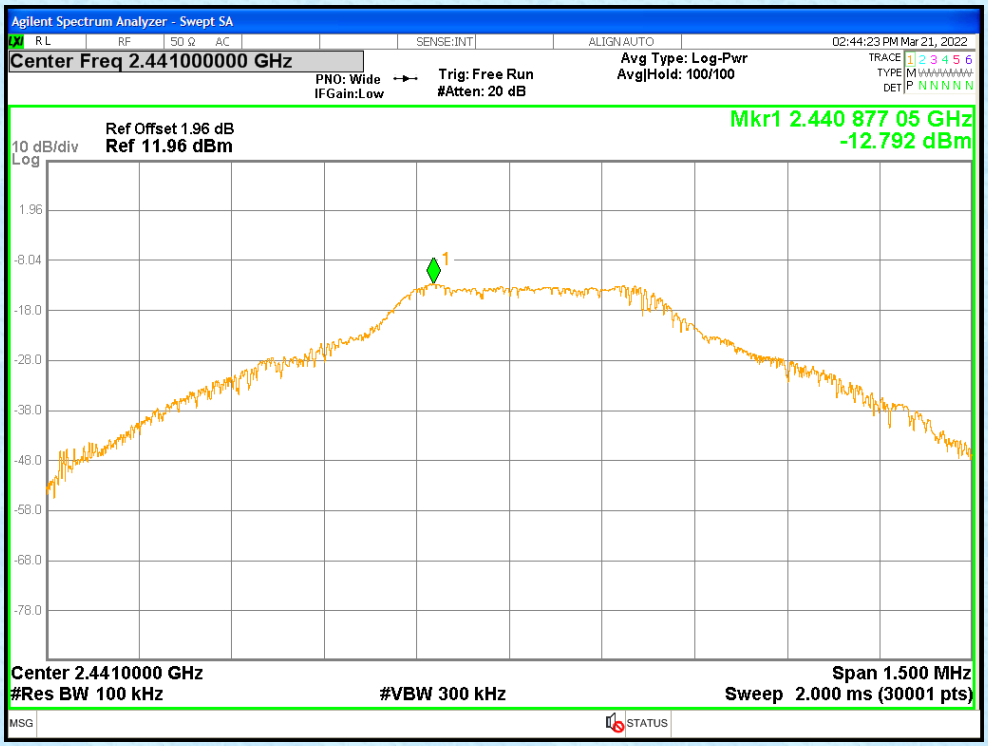


Tx. Spurious NVNT 1-DH1 2402MHz Ant1 Emission

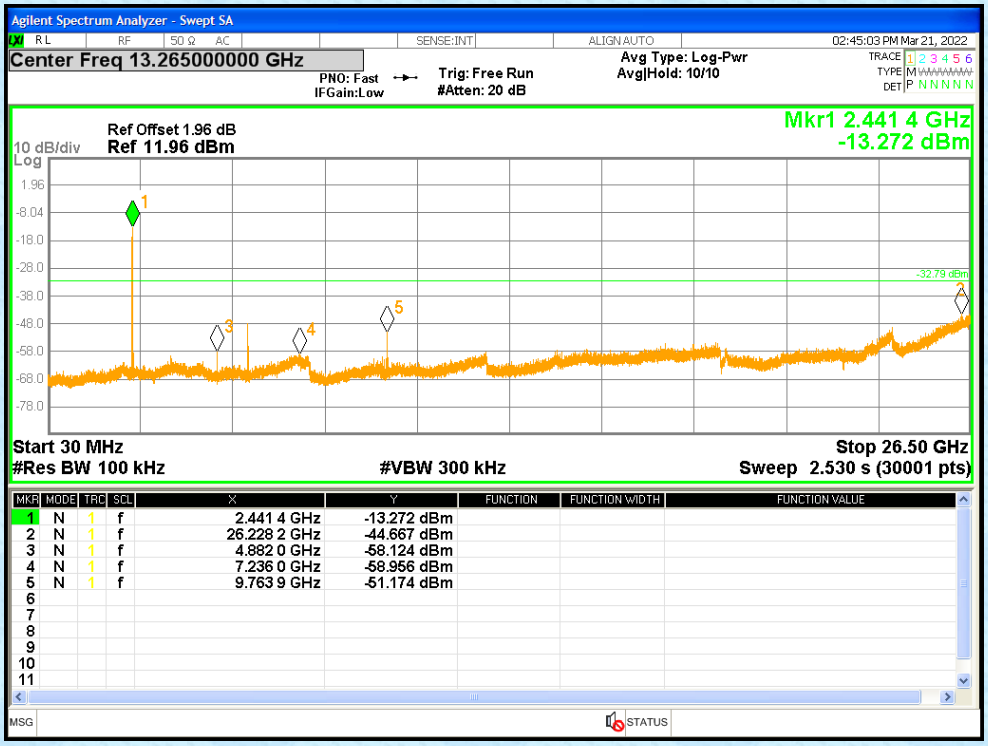


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.401 7 GHz	-12.438 dBm			
2	N	1	f	26.489 4 GHz	-43.812 dBm			
3	N	1	f	4.803 4 GHz	-58.161 dBm			
4	N	1	f	7.179 5 GHz	-59.088 dBm			
5	N	1	f	9.607 7 GHz	-51.039 dBm			
6								
7								
8								
9								
10								
11								

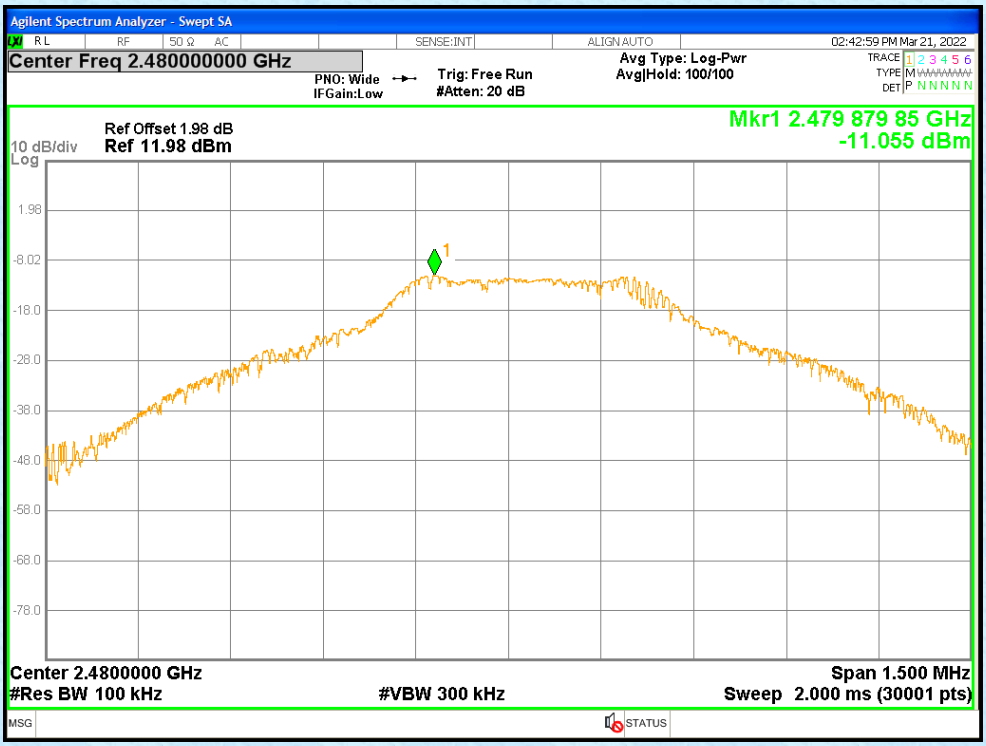
Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Ref



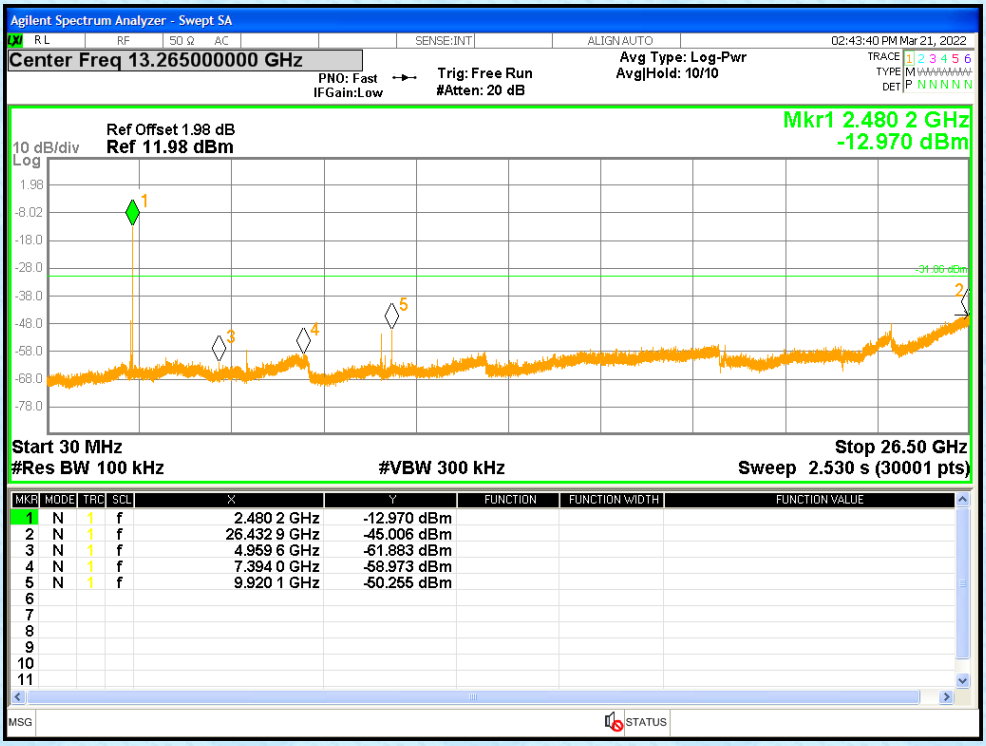
Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Emission



Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Ref

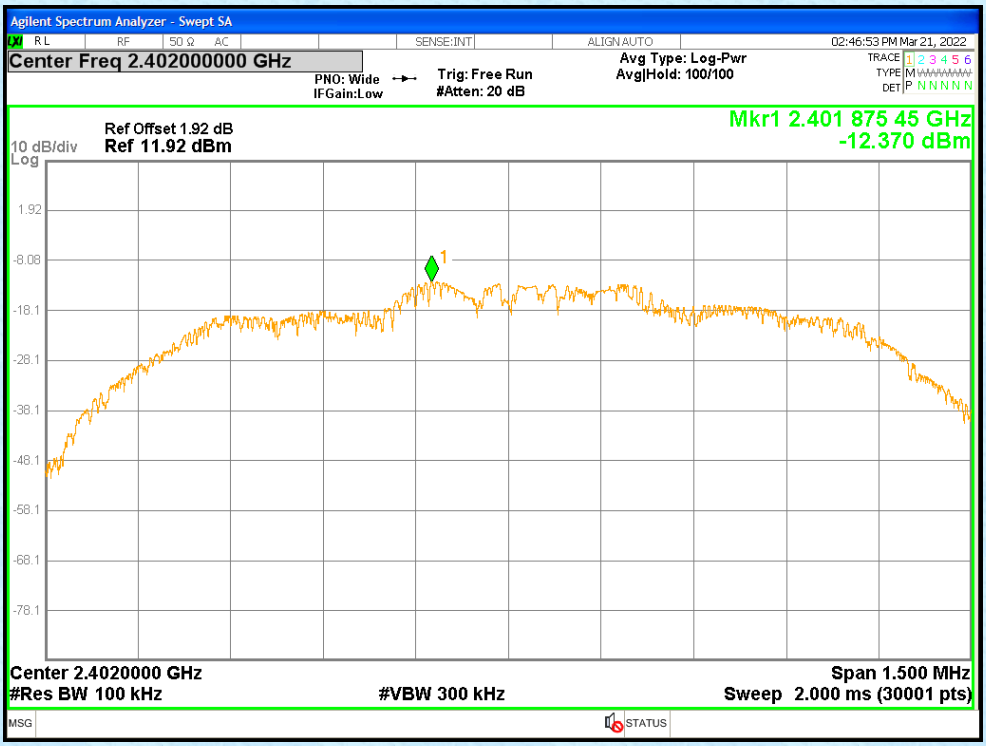


Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Emission

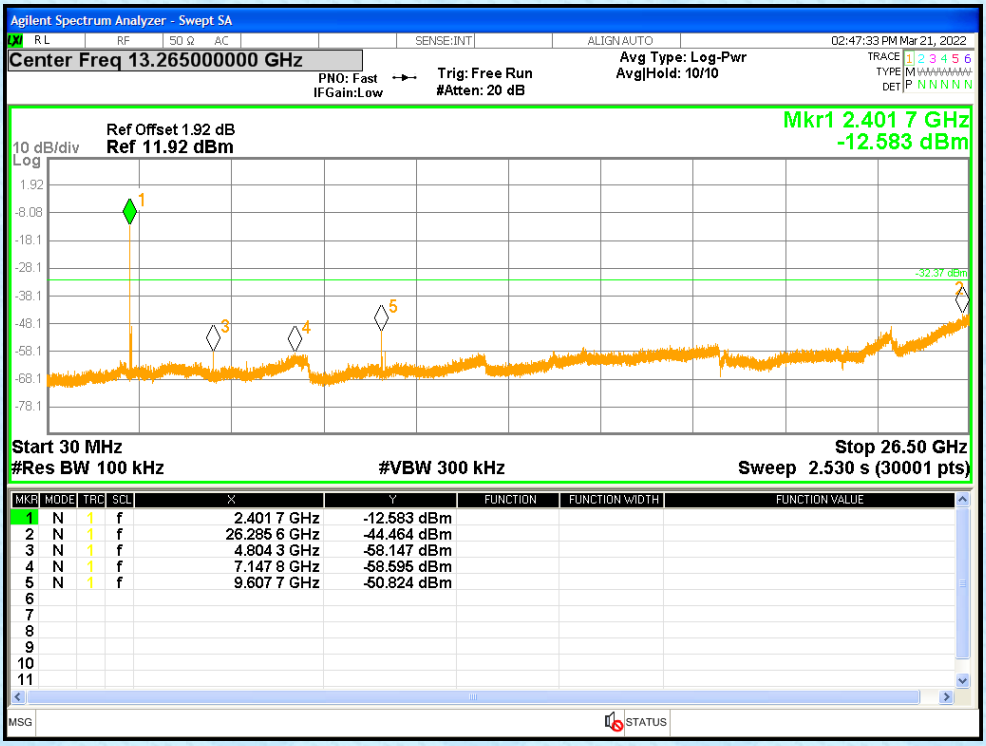


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.480 2 GHz	-12.970 dBm			
2	N	1	f	26.432 9 GHz	-45.006 dBm			
3	N	1	f	4.959 6 GHz	-61.883 dBm			
4	N	1	f	7.394 0 GHz	-58.973 dBm			
5	N	1	f	9.920 1 GHz	-50.255 dBm			
6								
7								
8								
9								
10								
11								

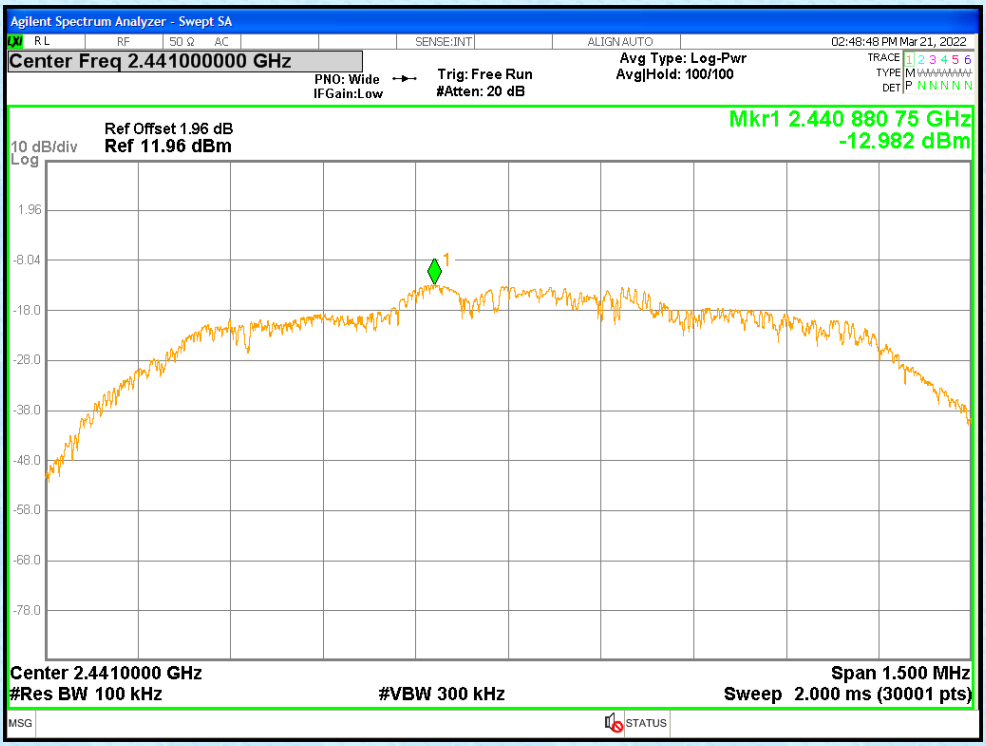
Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Ref



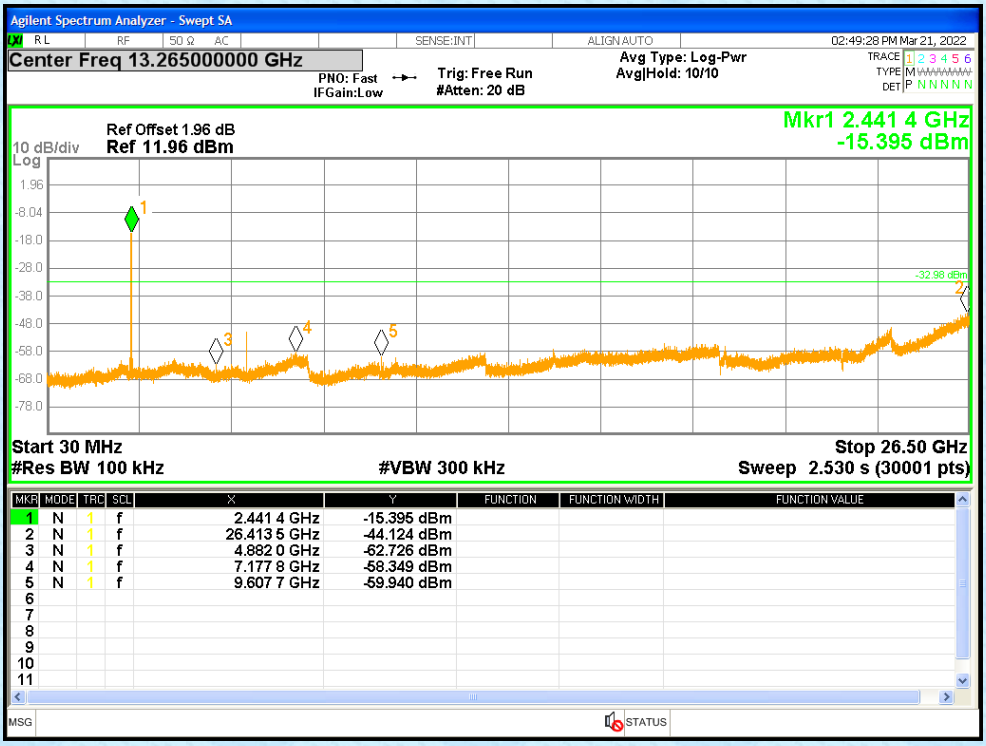
Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Emission



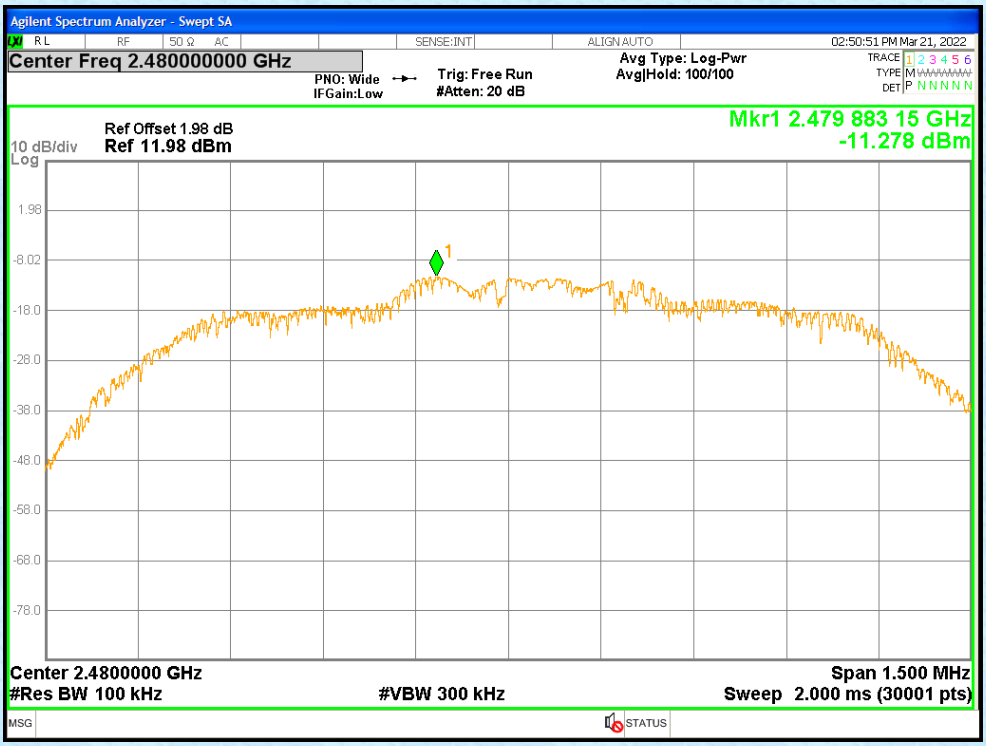
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Ref



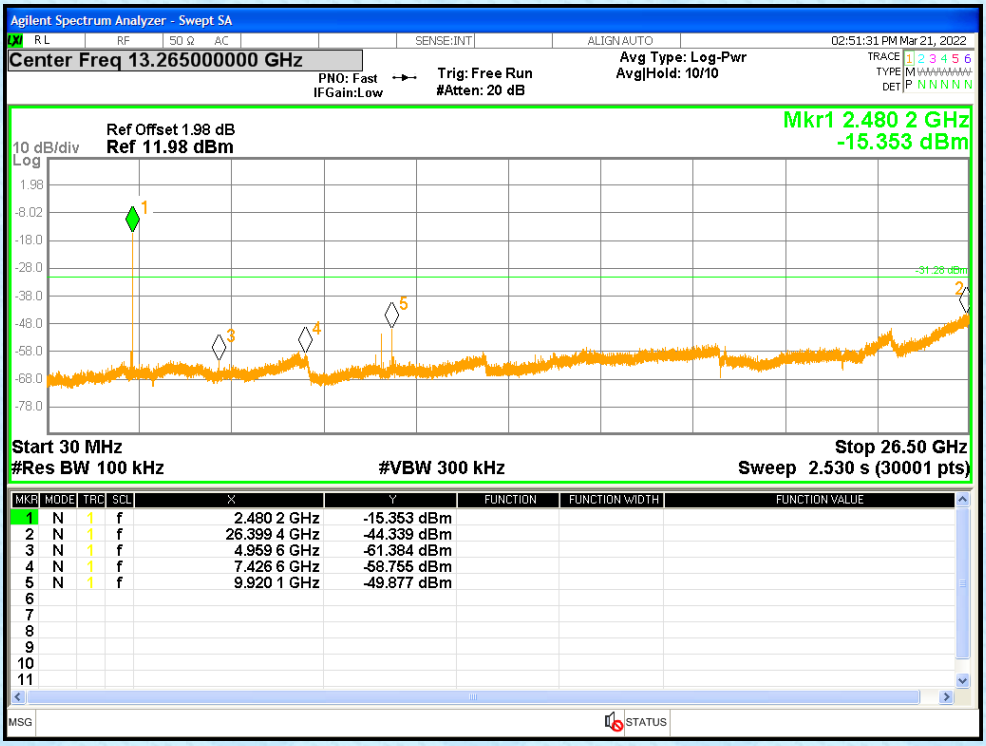
Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Emission



Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Ref



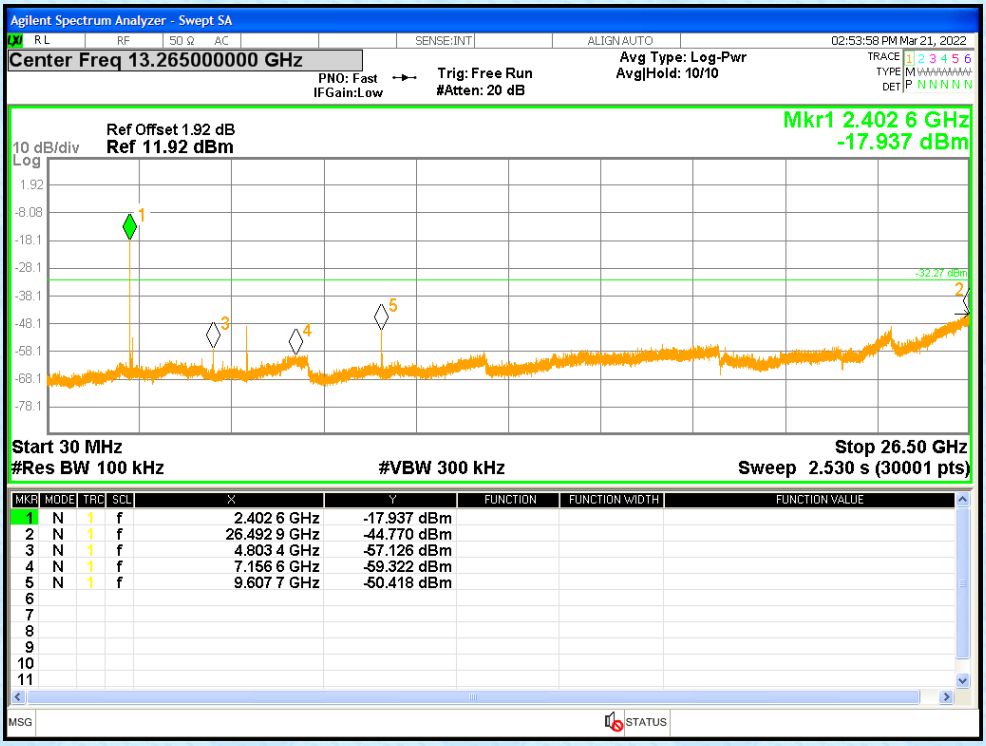
Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Emission



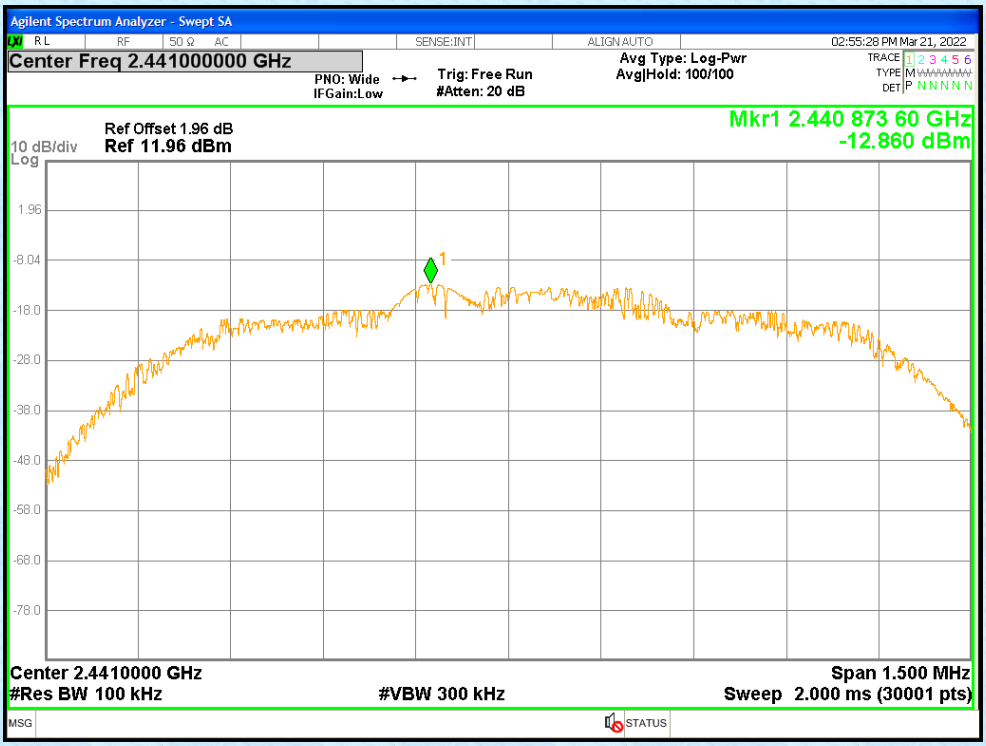
MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.480 2 GHz	-15.353 dBm			
2	N	1	f	26.399 4 GHz	-44.339 dBm			
3	N	1	f	4.959 6 GHz	-61.384 dBm			
4	N	1	f	7.426 6 GHz	-58.755 dBm			
5	N	1	f	9.920 1 GHz	-49.877 dBm			
6								
7								
8								
9								
10								
11								

Tx. Spurious NVNT 3-DH1 2402MHz Ant1 Ref

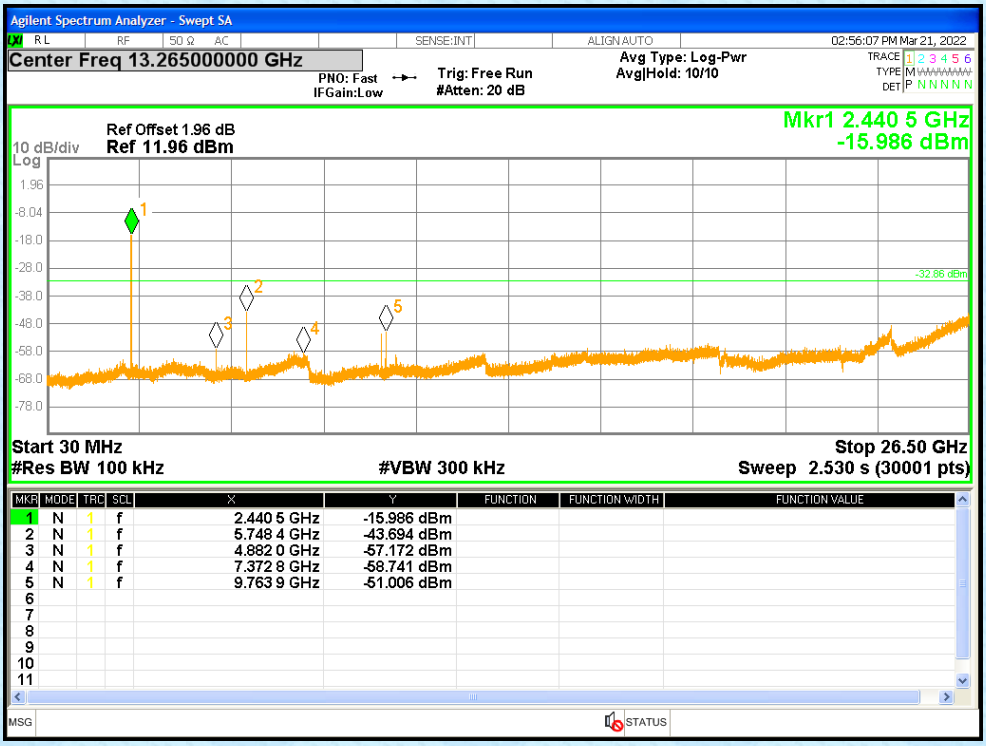
Tx. Spurious NVNT 3-DH1 2402MHz Ant1 Emission



Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Ref

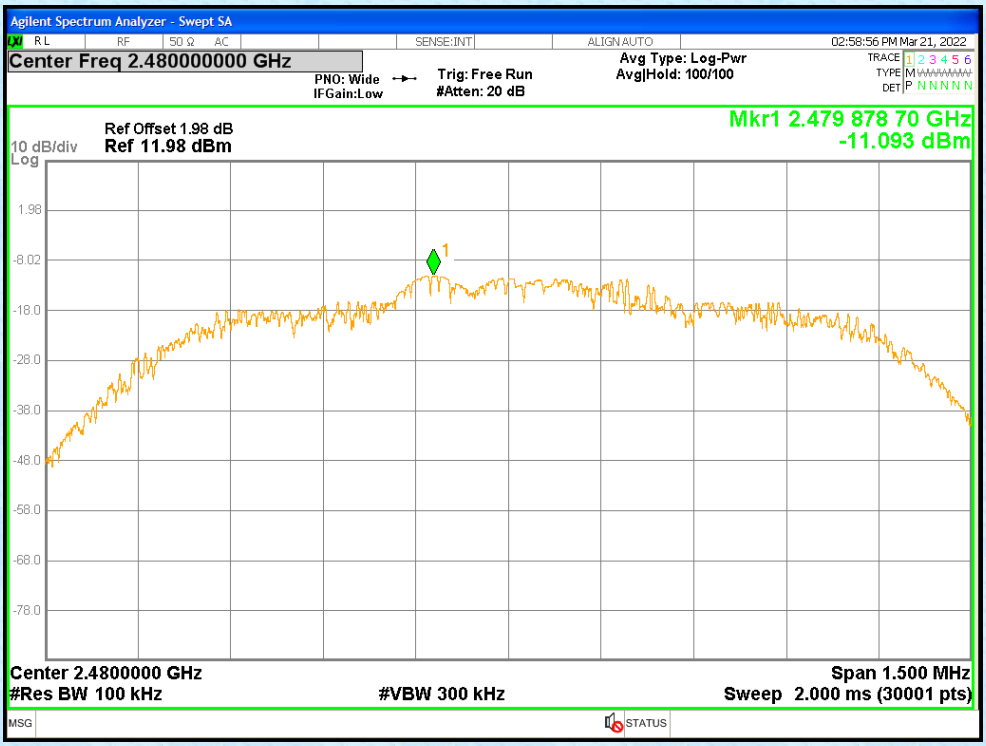


Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Emission

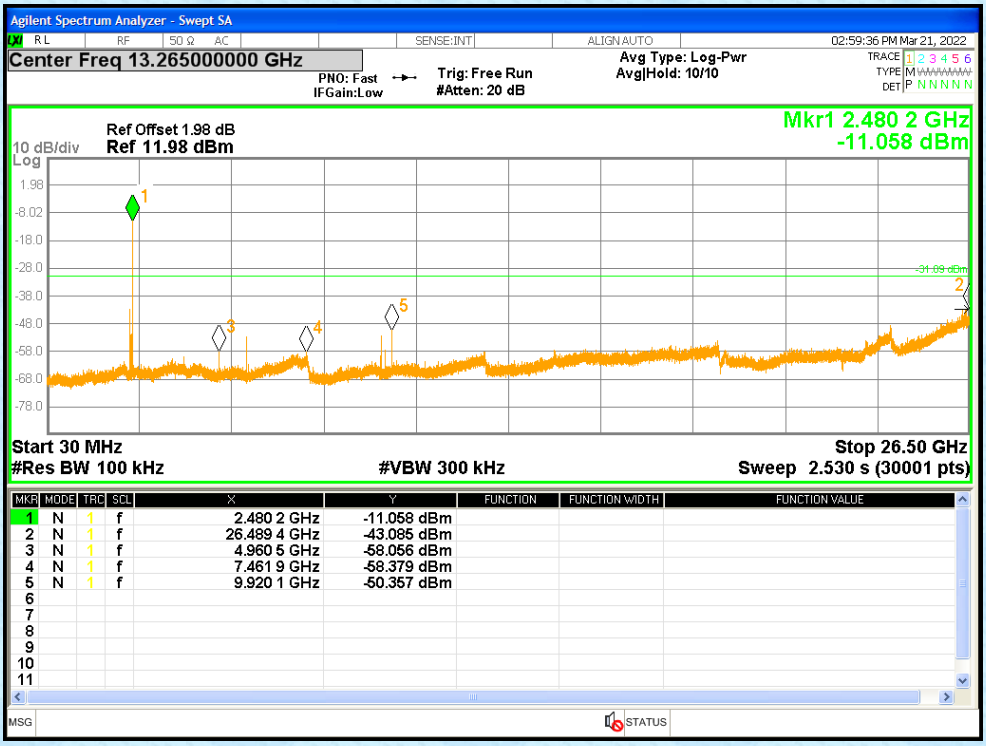


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.440 5 GHz	-15.986 dBm			
2	N	1	f	5.748 4 GHz	-43.694 dBm			
3	N	1	f	4.882 0 GHz	-57.172 dBm			
4	N	1	f	7.372 8 GHz	-58.741 dBm			
5	N	1	f	9.763 9 GHz	-51.006 dBm			
6								
7								
8								
9								
10								
11								

Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Ref



Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Emission



MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.480 2 GHz	-11.058 dBm			
2	N	1	f	26.489 4 GHz	-43.085 dBm			
3	N	1	f	4.960 5 GHz	-58.056 dBm			
4	N	1	f	7.461 9 GHz	-58.379 dBm			
5	N	1	f	9.920 1 GHz	-50.357 dBm			
6								
7								
8								
9								
10								
11								

------End------