

8.3 -20dB BANDWIDTH

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	0.904	Pass
NVNT	1-DH5	2441	Ant1	0.95	Pass
NVNT	1-DH5	2480	Ant1	0.952	Pass
NVNT	2-DH5	2402	Ant1	1.282	Pass
NVNT	2-DH5	2441	Ant1	1.282	Pass
NVNT	2-DH5	2480	Ant1	1.274	Pass
NVNT	3-DH5	2402	Ant1	1.294	Pass
NVNT	3-DH5	2441	Ant1	1.324	Pass
NVNT	3-DH5	2480	Ant1	1.29	Pass

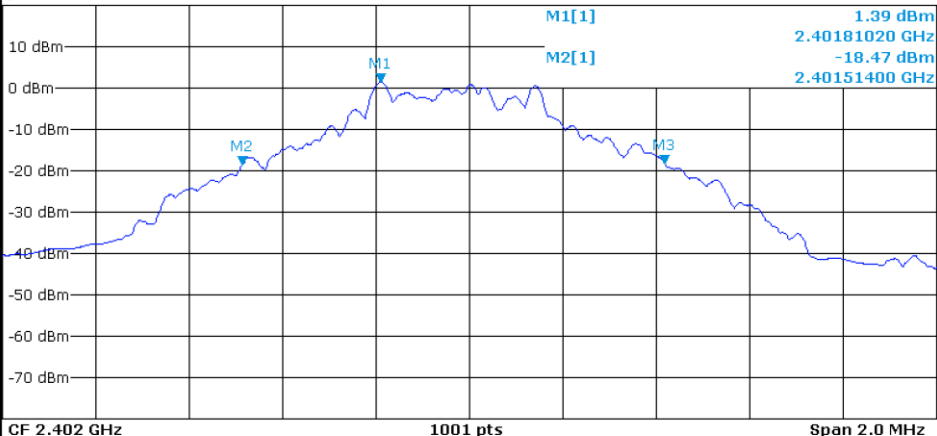
Test Graphs

-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1

Spectrum

Ref Level 20.00 dBm Offset 7.07 dB RBW 30 kHz
Att 30 dB SWT 63.3 μ s VBW 100 kHz Mode Auto FFT
SGL Count 100/100

IPk Max



Marker

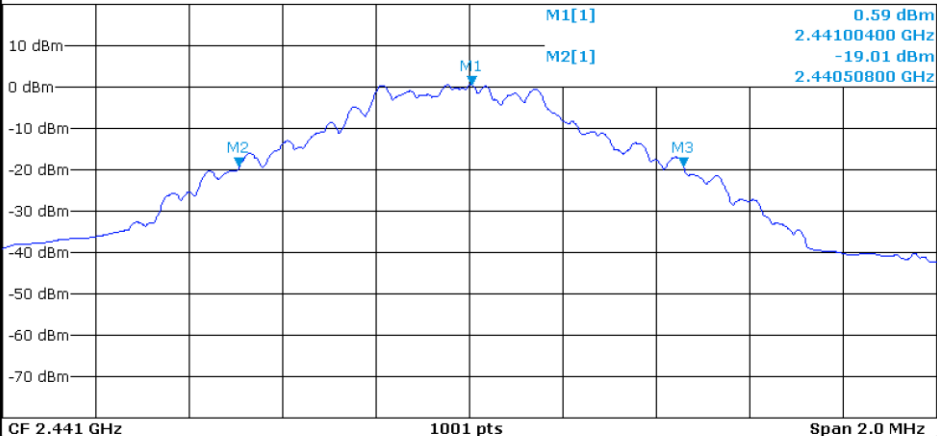
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		2.4018102 GHz	1.39 dBm		
M2	1		2.401514 GHz	-18.47 dBm		
M3	1		2.402418 GHz	-18.32 dBm		

-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1

Spectrum

Ref Level 20.00 dBm Offset 7.24 dB RBW 30 kHz
Att 30 dB SWT 63.3 μ s VBW 100 kHz Mode Auto FFT
SGL Count 100/100

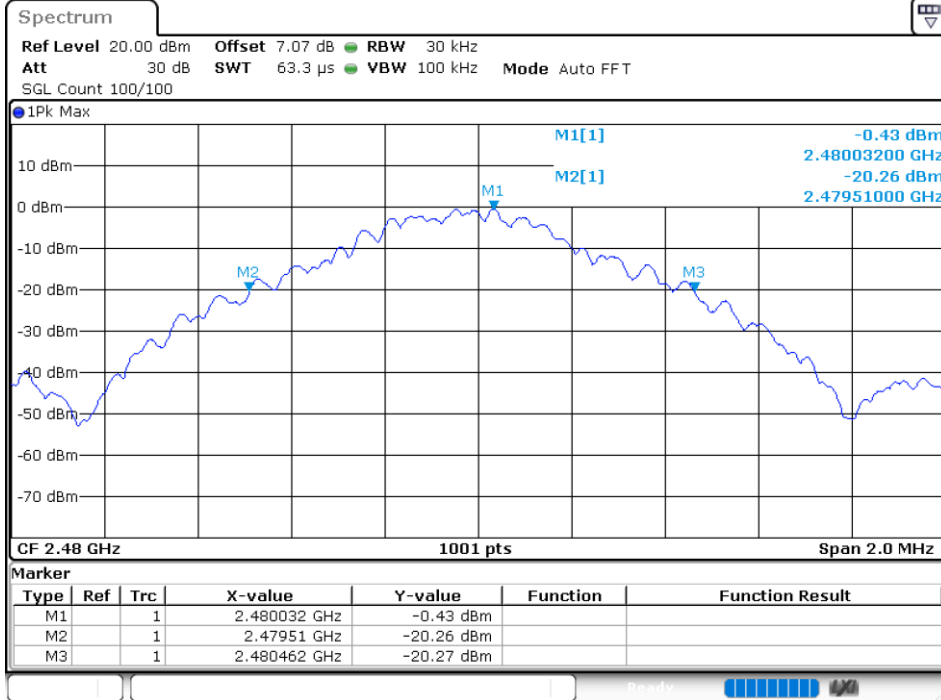
IPk Max



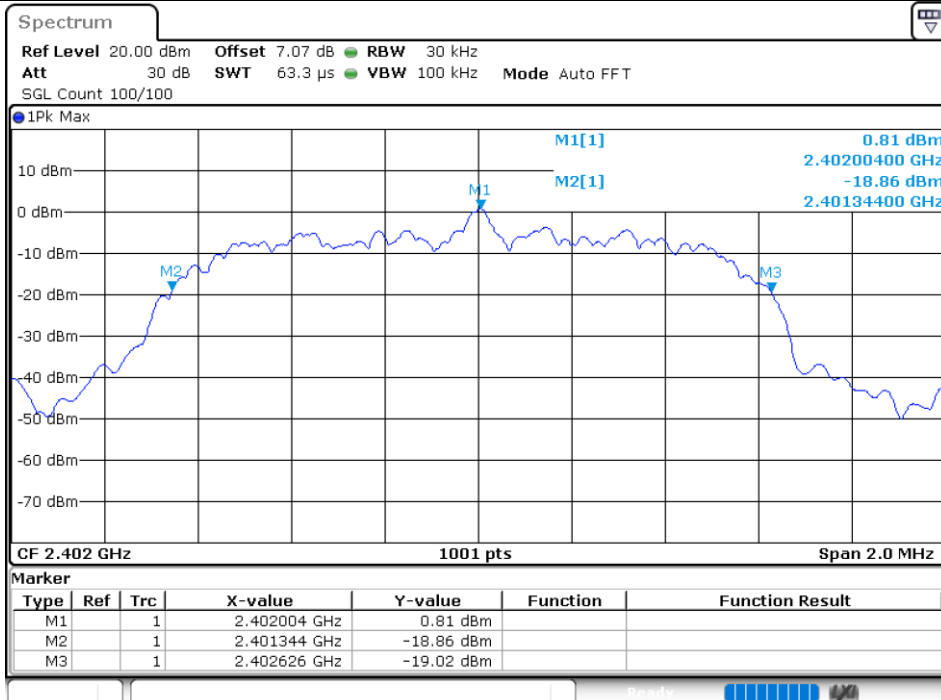
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		2.441004 GHz	0.59 dBm		
M2	1		2.440508 GHz	-19.01 dBm		
M3	1		2.441458 GHz	-19.12 dBm		

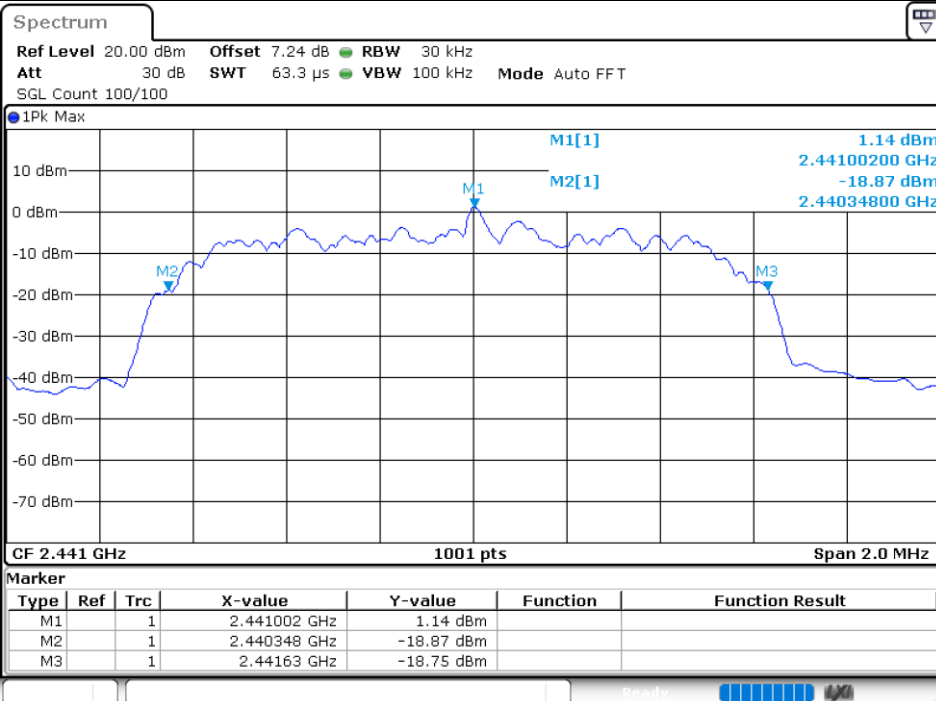
-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



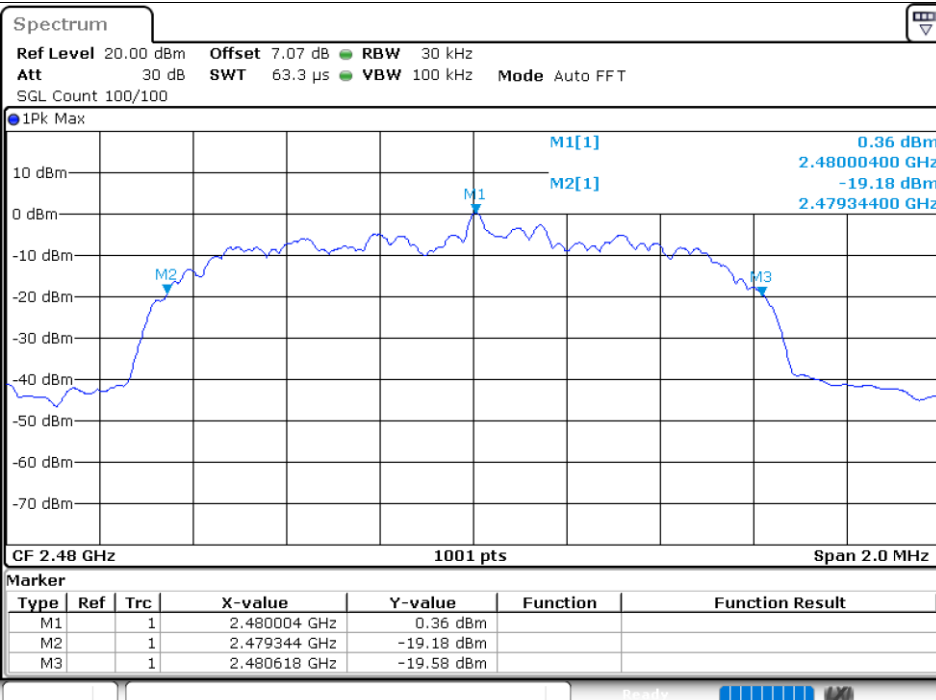
-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1



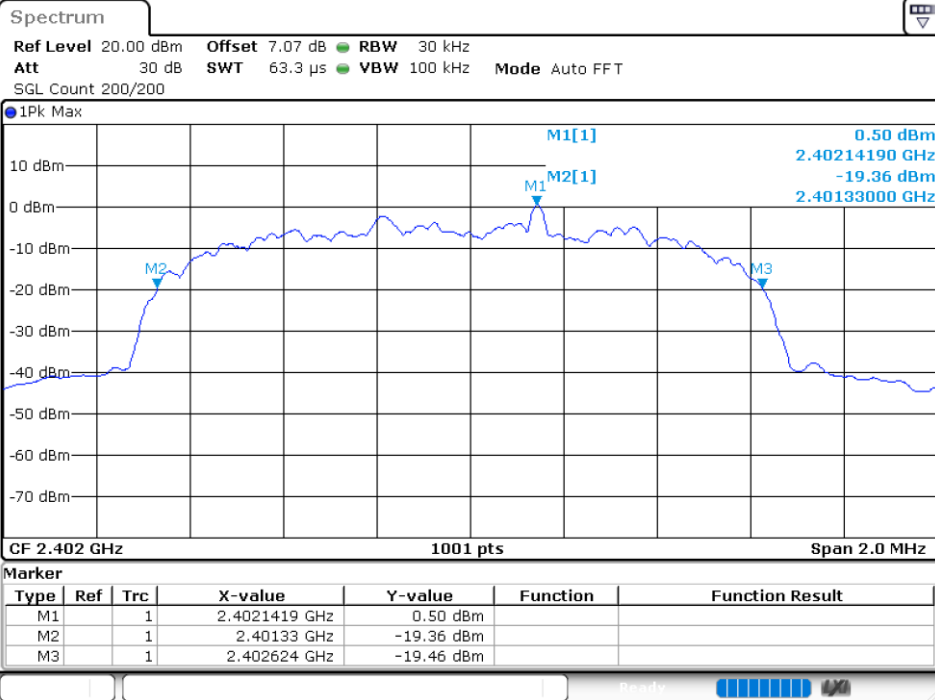
-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



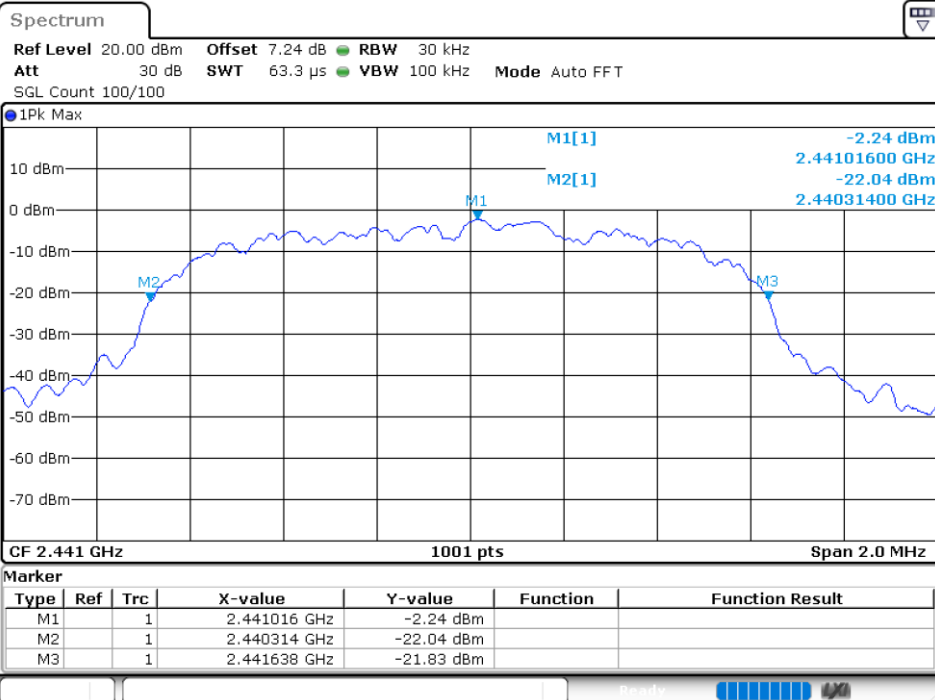
-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1

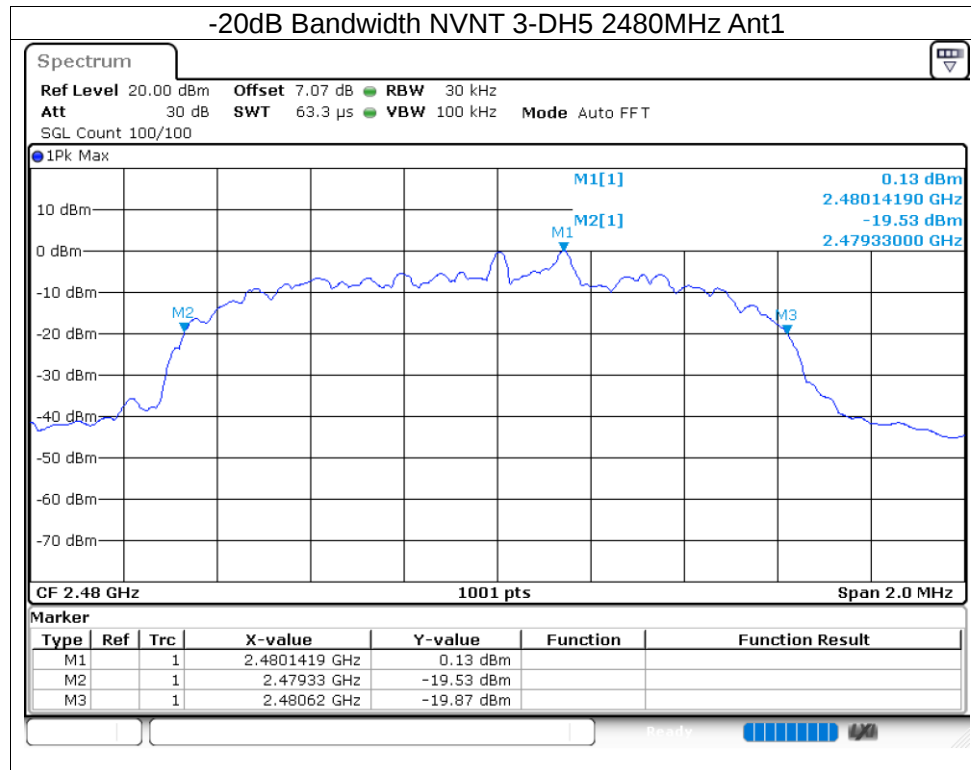


-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



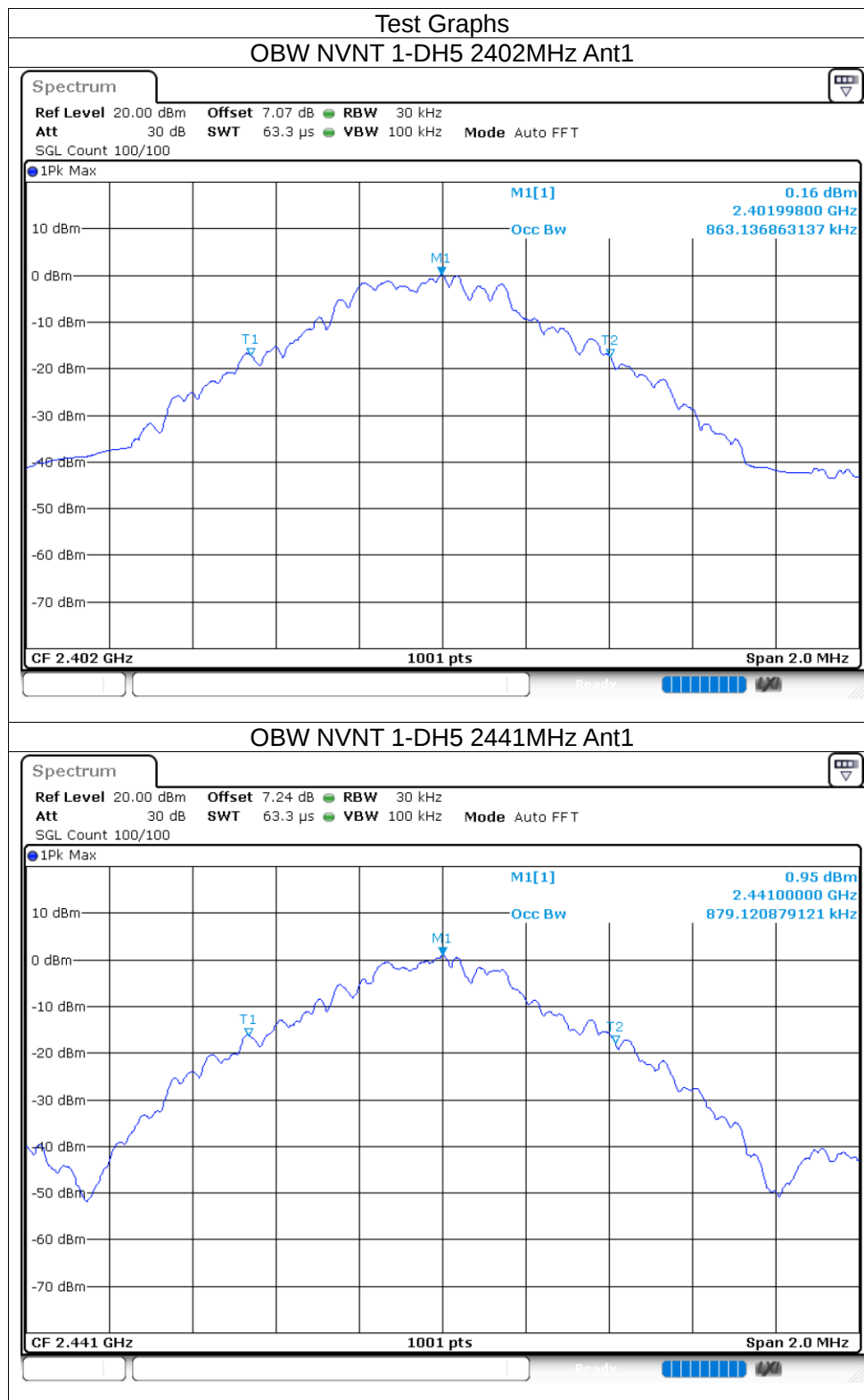
-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1





8.4 OCCUPIED CHANNEL BANDWIDTH

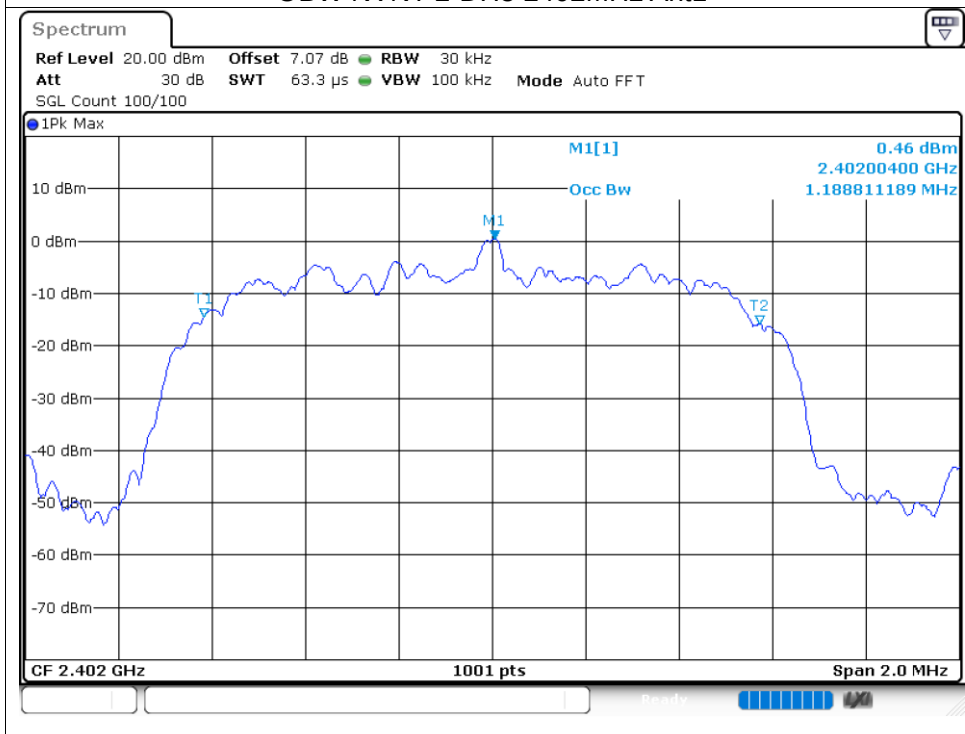
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH5	2402	Ant1	0.863
NVNT	1-DH5	2441	Ant1	0.879
NVNT	1-DH5	2480	Ant1	0.843
NVNT	2-DH5	2402	Ant1	1.189
NVNT	2-DH5	2441	Ant1	1.193
NVNT	2-DH5	2480	Ant1	1.201
NVNT	3-DH5	2402	Ant1	1.189
NVNT	3-DH5	2441	Ant1	1.187
NVNT	3-DH5	2480	Ant1	1.187



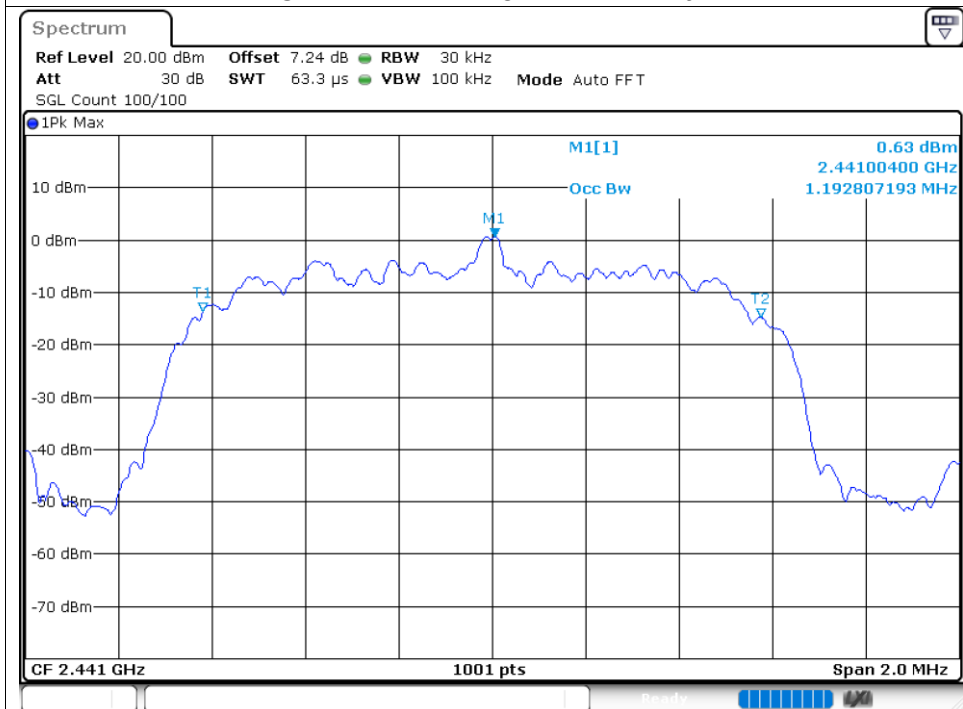
OBW NVNT 1-DH5 2480MHz Ant1



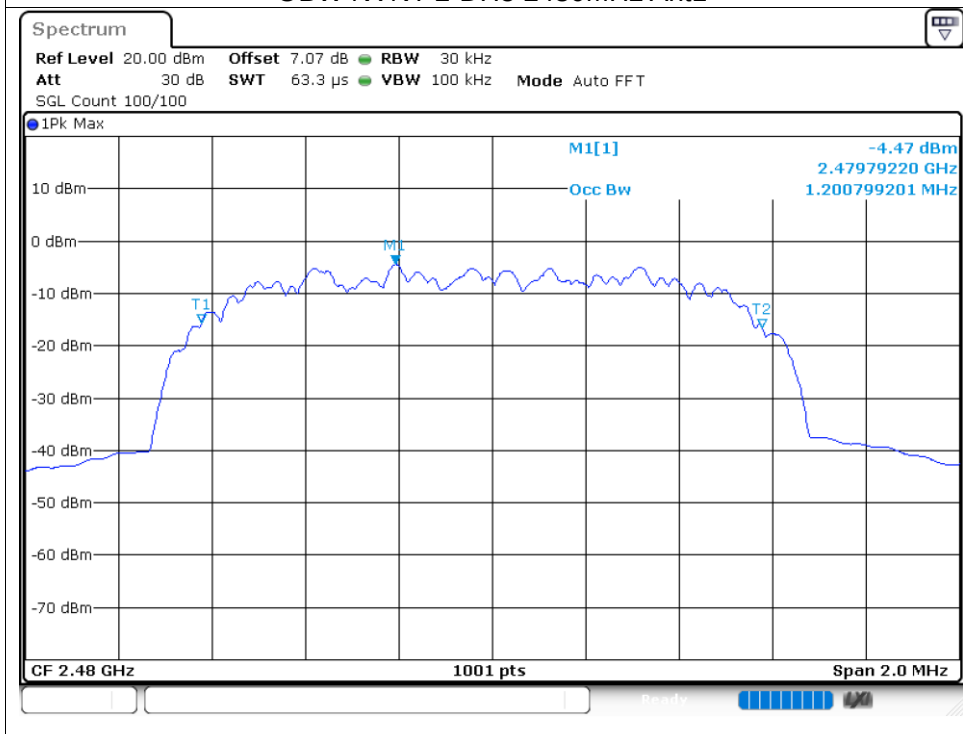
OBW NVNT 2-DH5 2402MHz Ant1



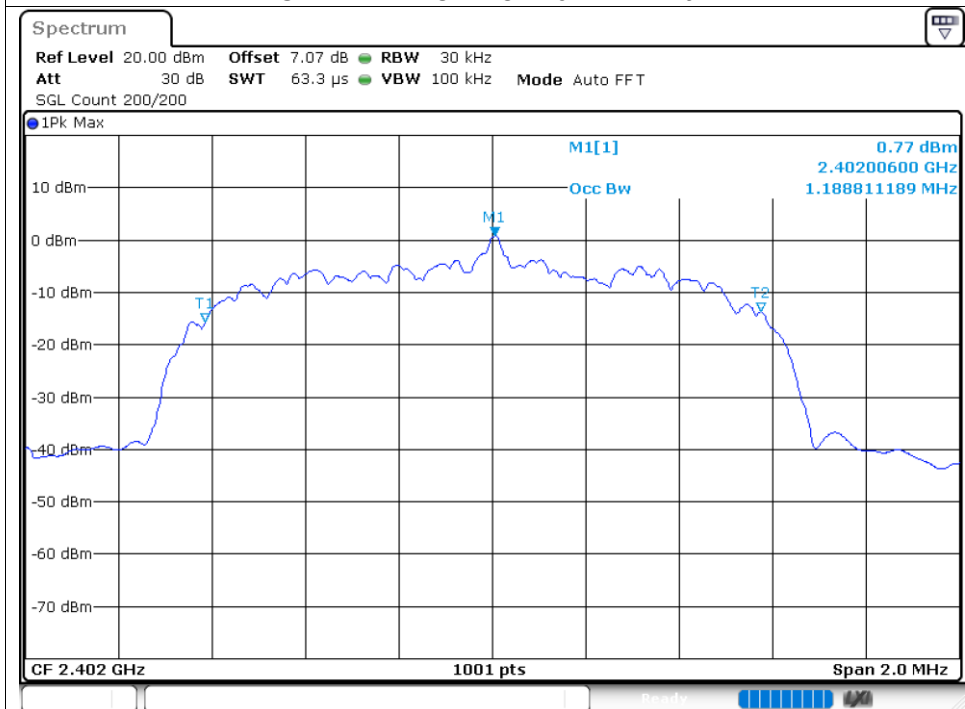
OBW NVNT 2-DH5 2441MHz Ant1



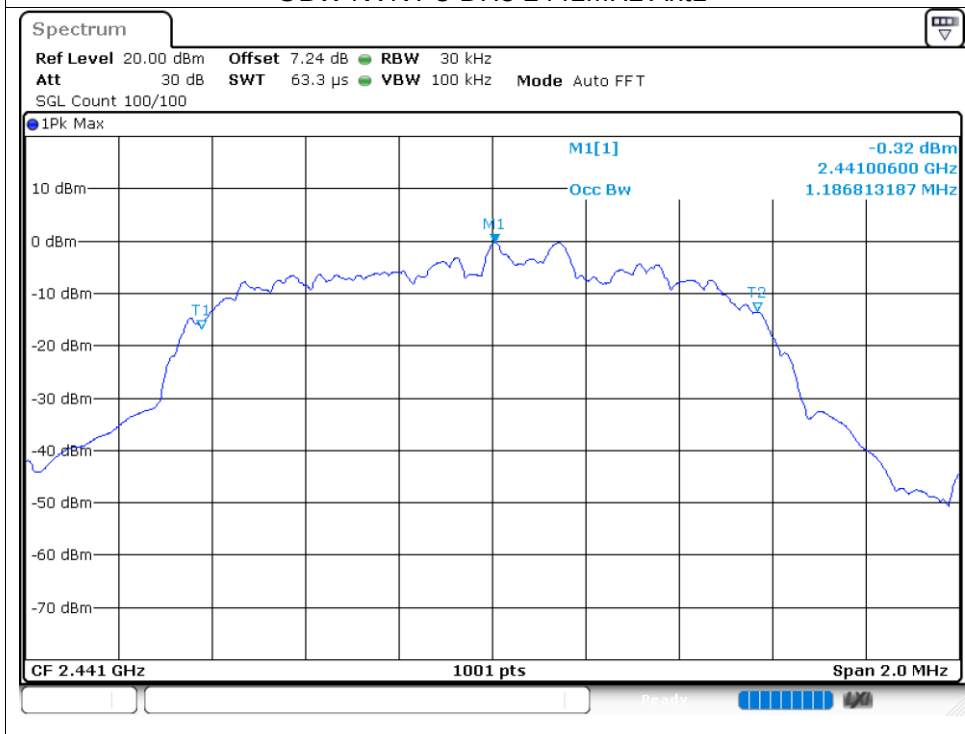
OBW NVNT 2-DH5 2480MHz Ant1

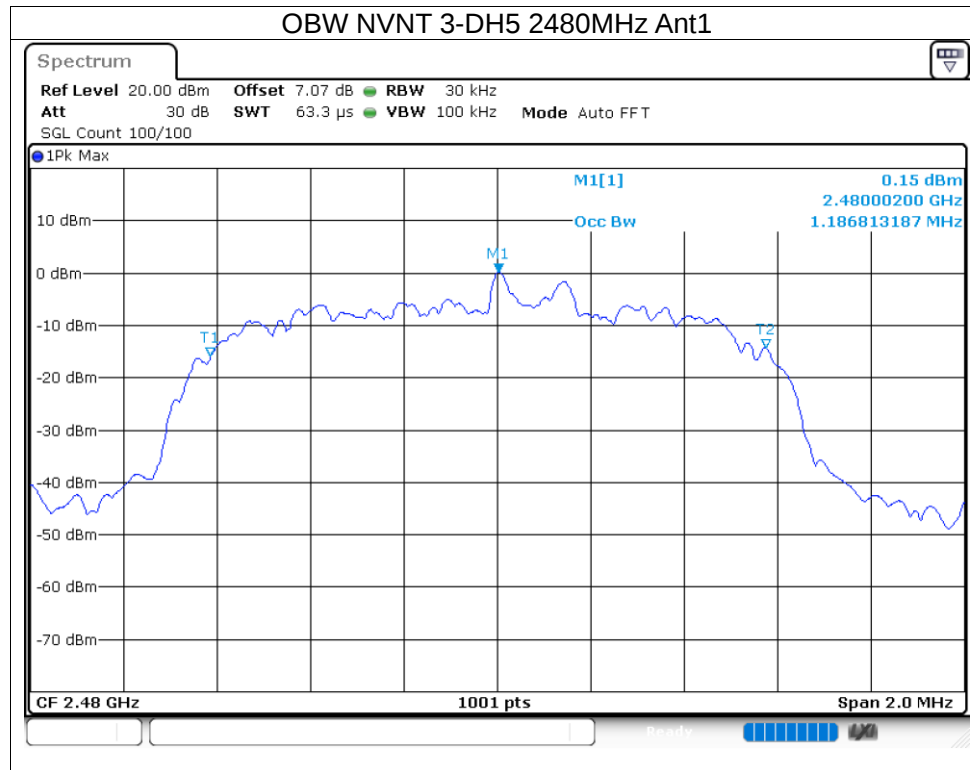


OBW NVNT 3-DH5 2402MHz Ant1



OBW NVNT 3-DH5 2441MHz Ant1



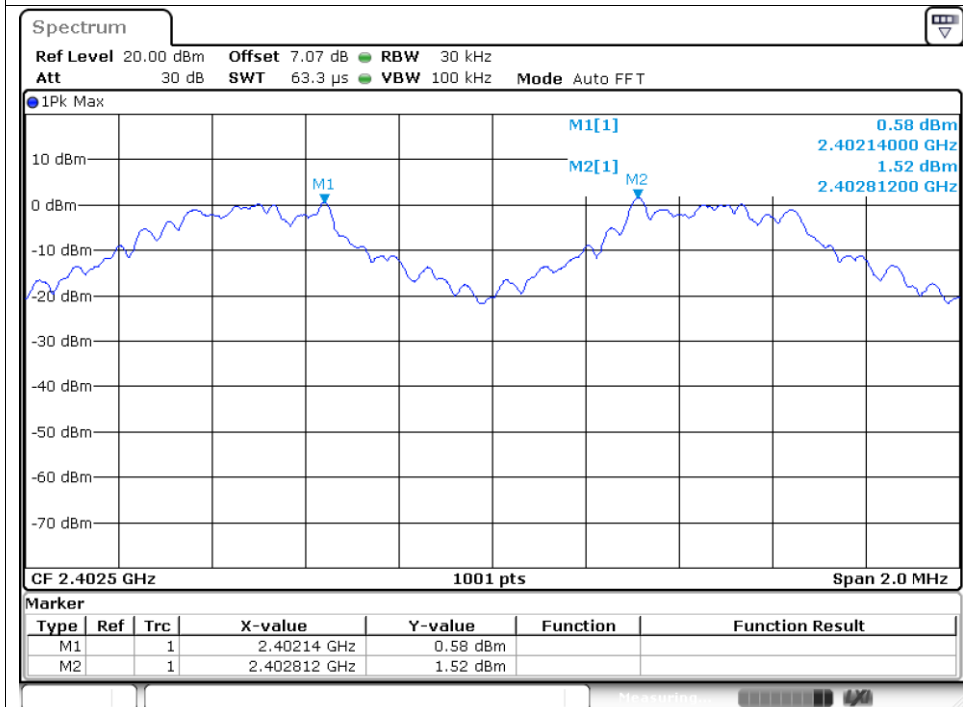


8.5 CARRIER FREQUENCIES SEPARATION

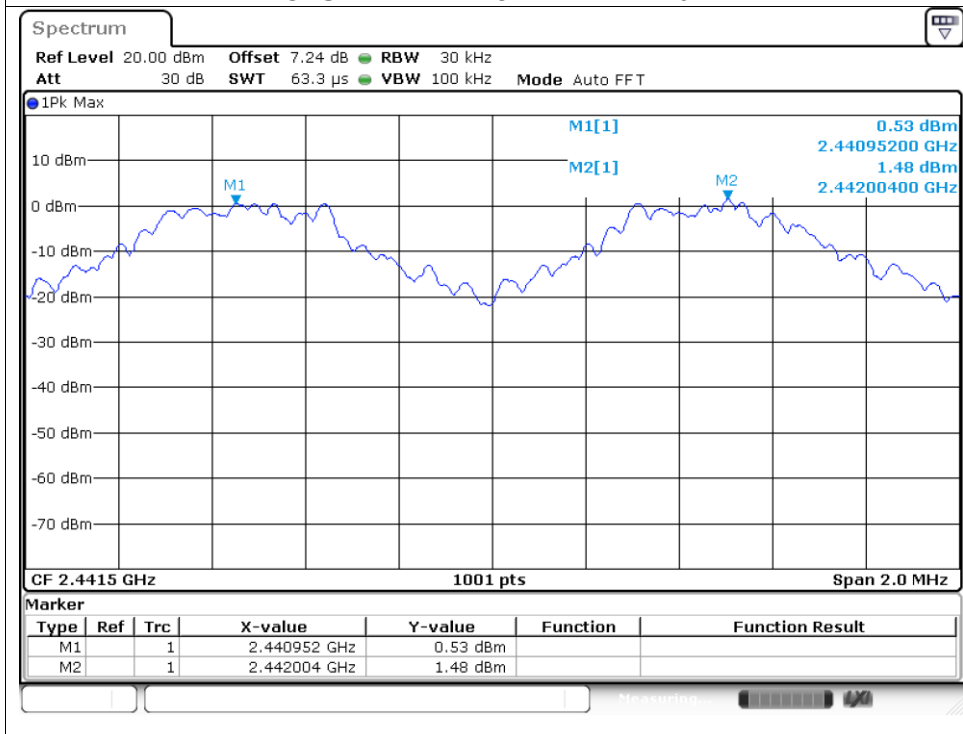
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2402.14	2402.812	0.672	0.603	Pass
NVNT	1-DH5	Ant1	2440.952	2442.004	1.052	0.633	Pass
NVNT	1-DH5	Ant1	2478.812	2479.814	1.002	0.635	Pass
NVNT	2-DH5	Ant1	2401.998	2403.006	1.008	0.855	Pass
NVNT	2-DH5	Ant1	1220.712	2441.812	1221.1	0.855	Pass
NVNT	2-DH5	Ant1	2479.053	2479.99	0.937	0.849	Pass
NVNT	3-DH5	Ant1	2402.004	2403.006	1.002	0.863	Pass
NVNT	3-DH5	Ant1	2441.004	2441.988	0.984	0.883	Pass
NVNT	3-DH5	Ant1	2479.14	2480.142	1.002	0.86	Pass

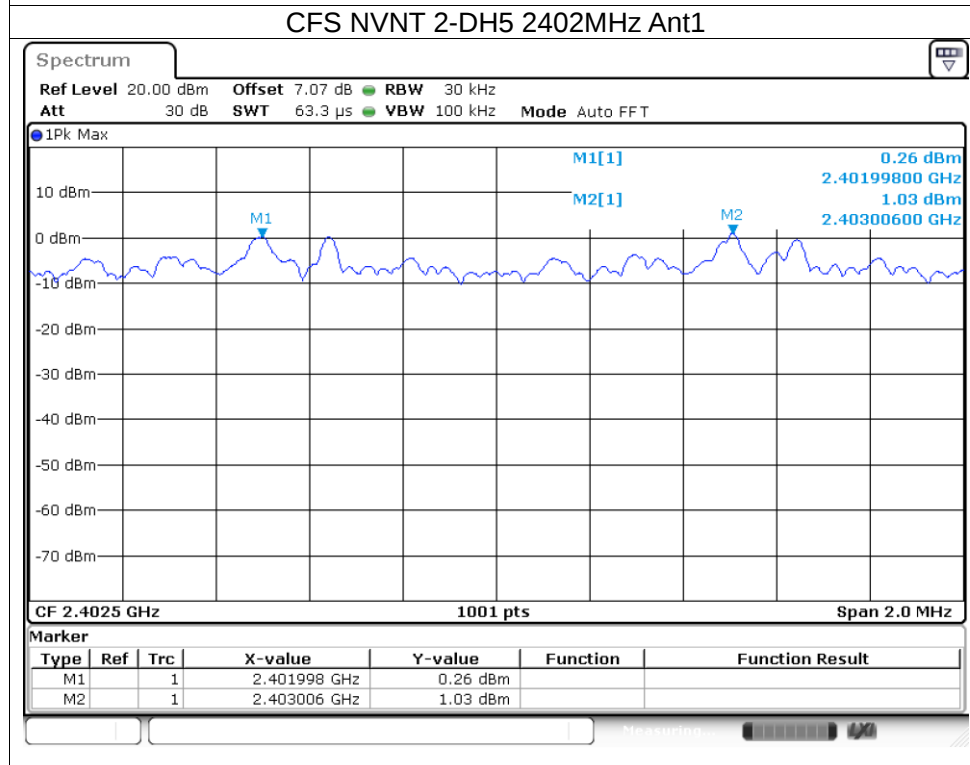
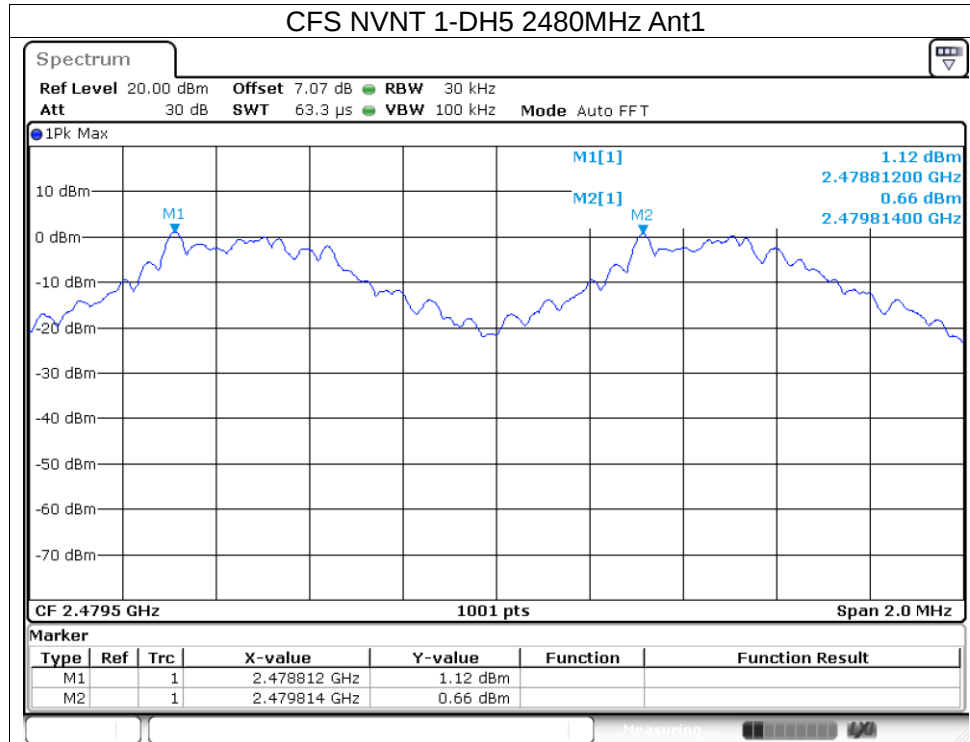
Test Graphs

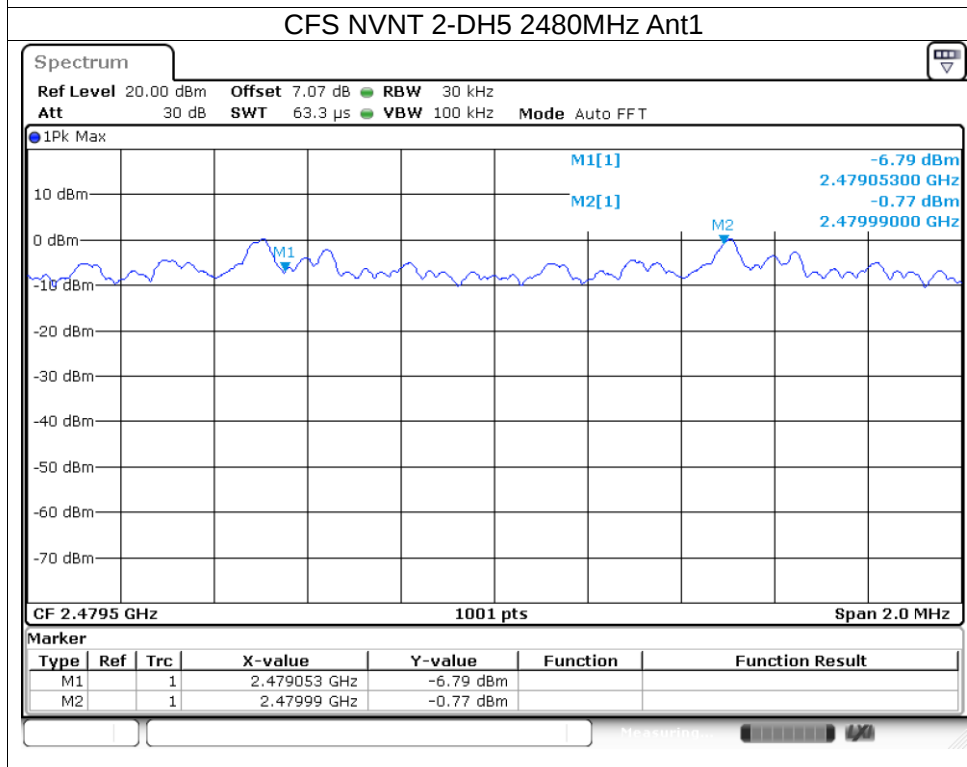
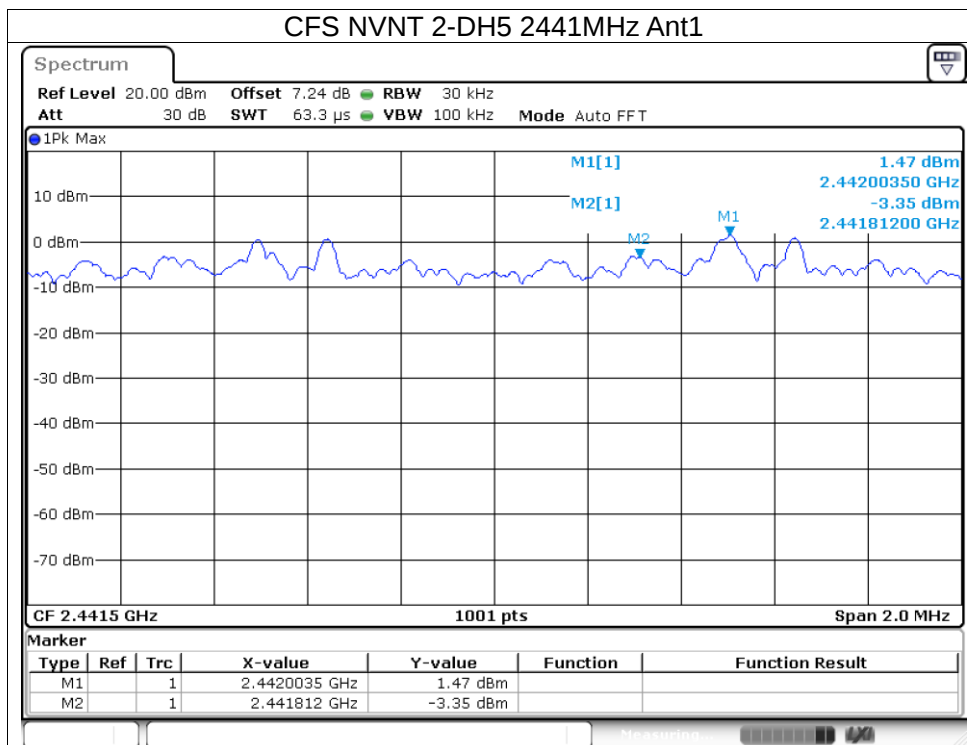
CFS NVNT 1-DH5 2402MHz Ant1

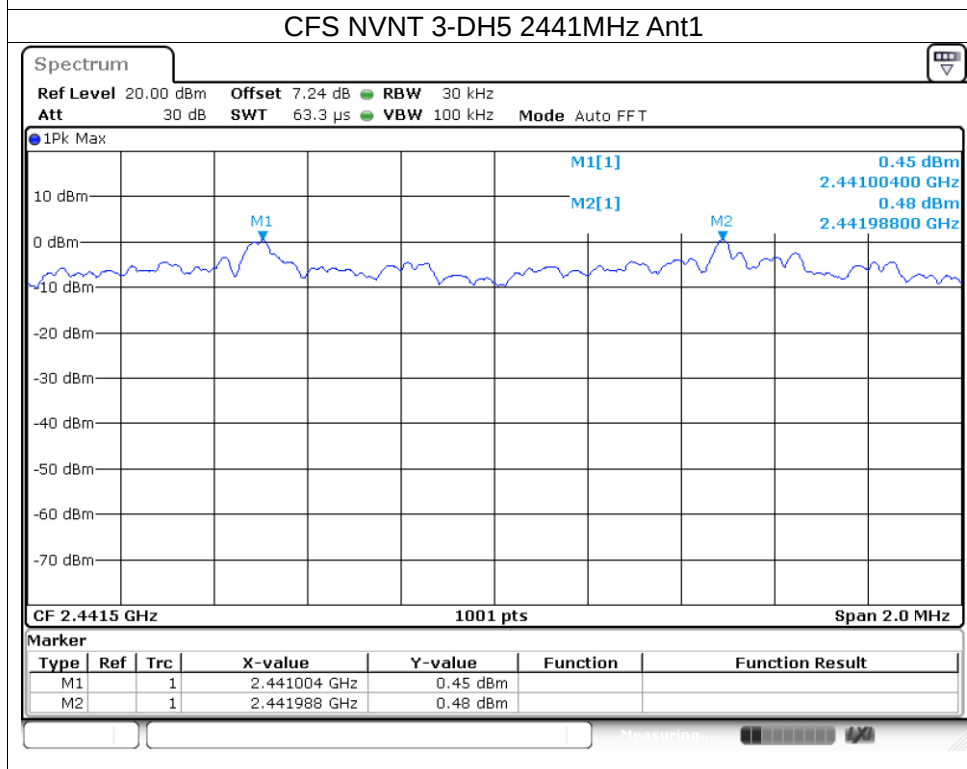
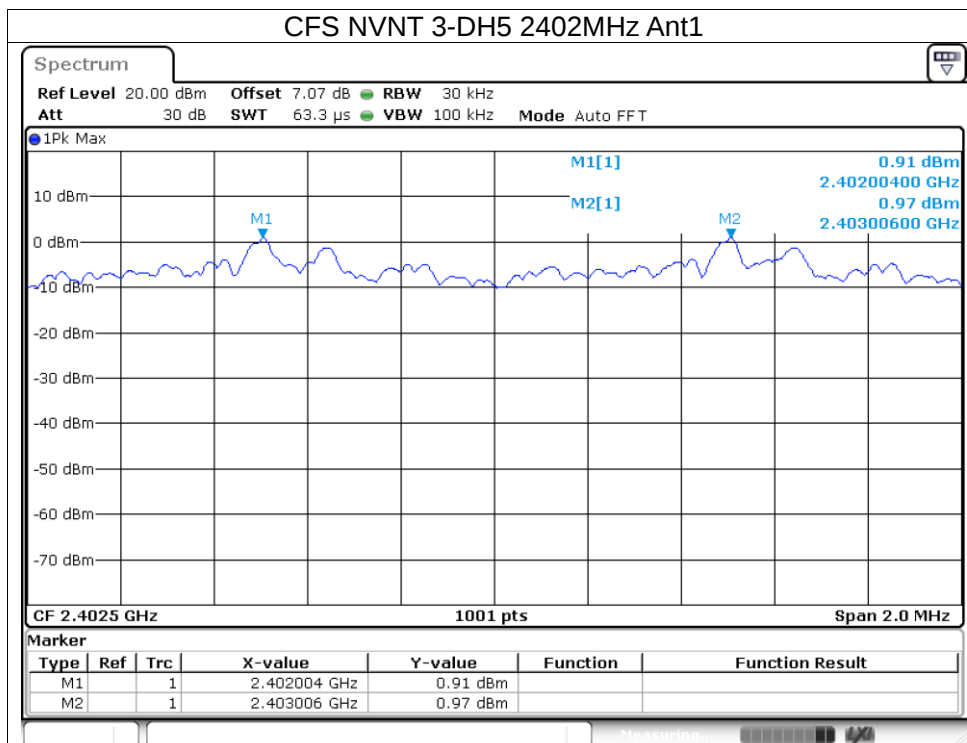


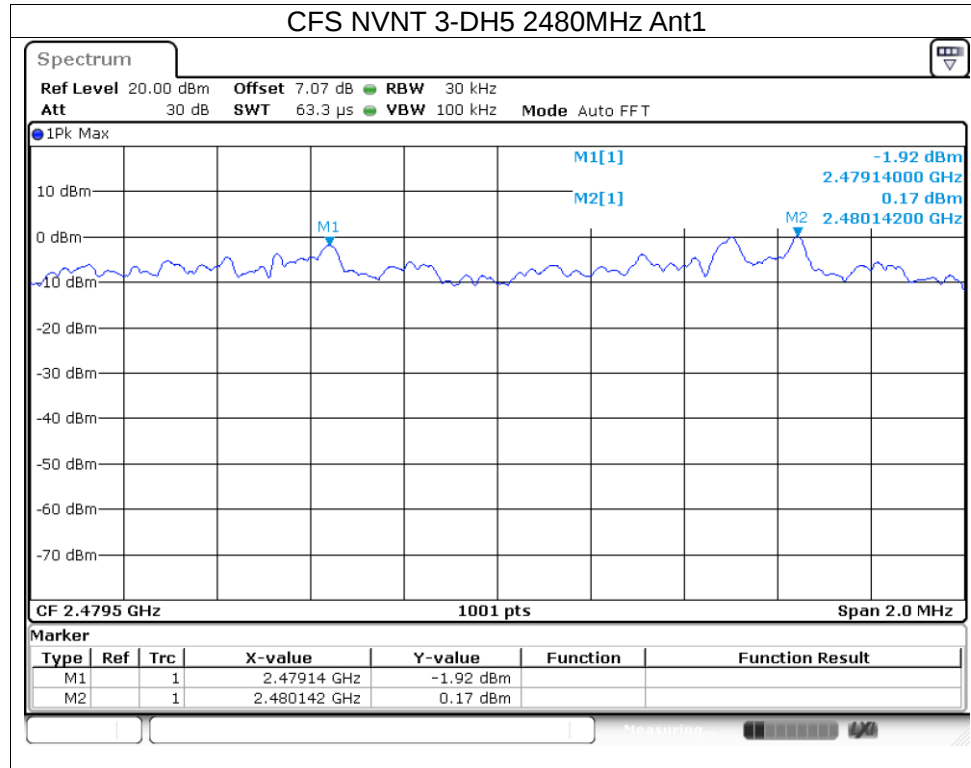
CFS NVNT 1-DH5 2441MHz Ant1





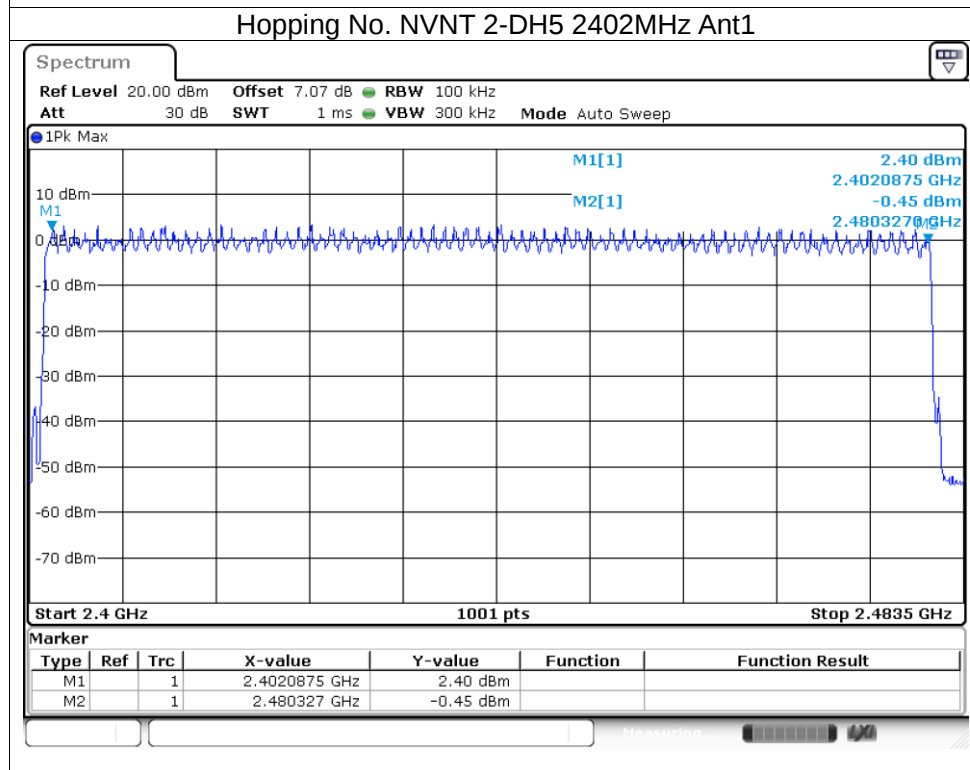
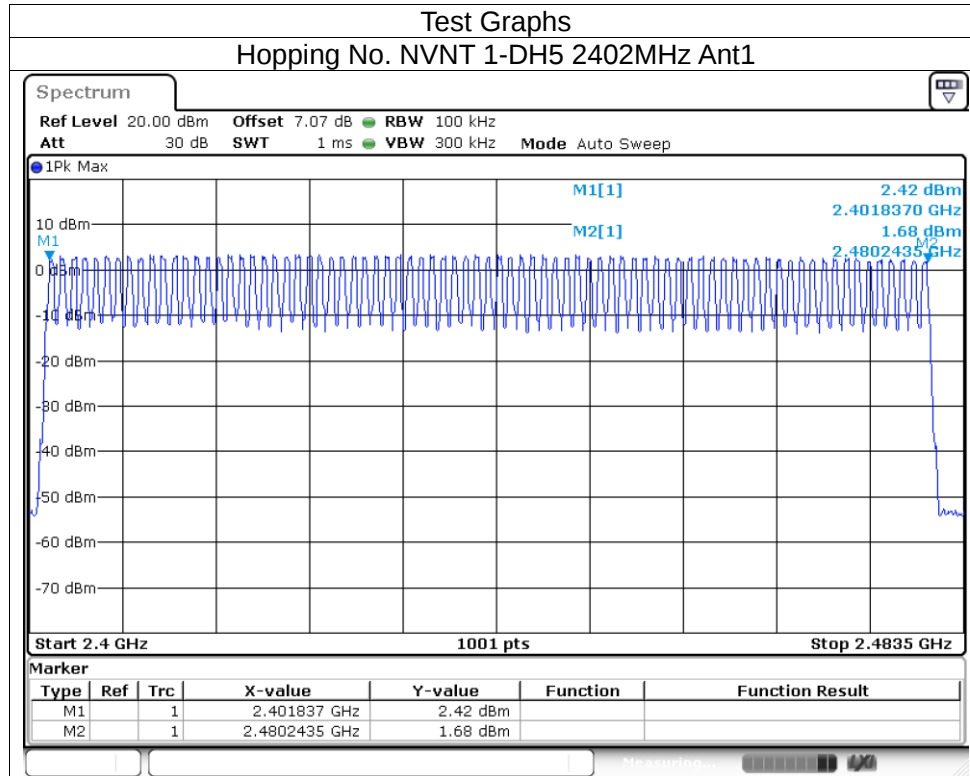


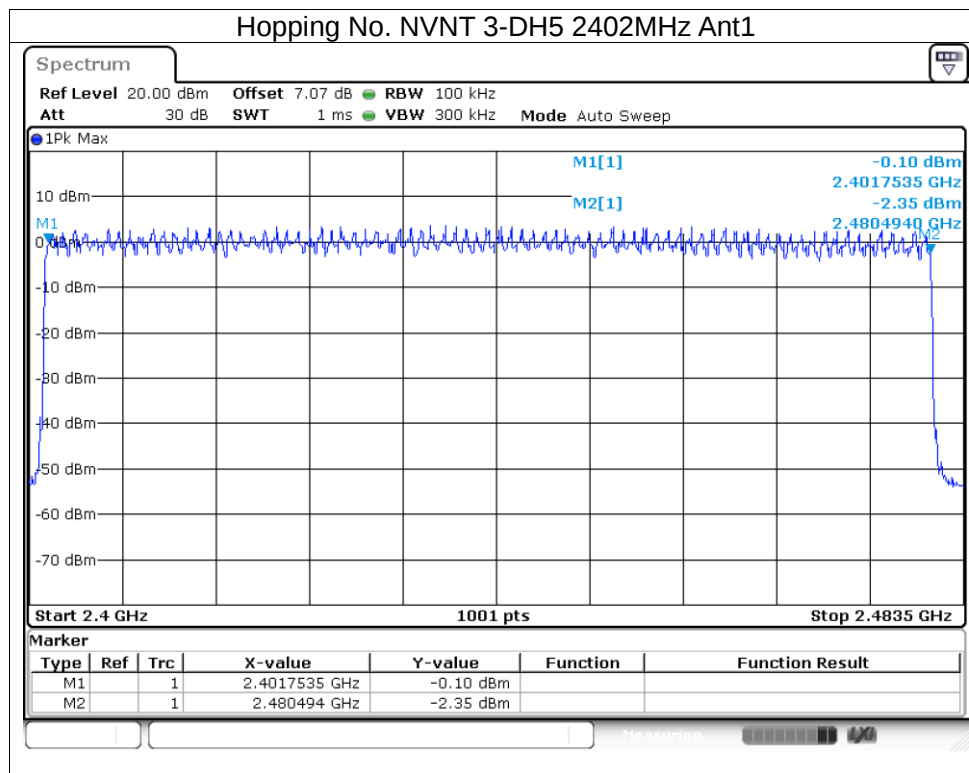




8.6 NUMBER OF HOPPING CHANNEL

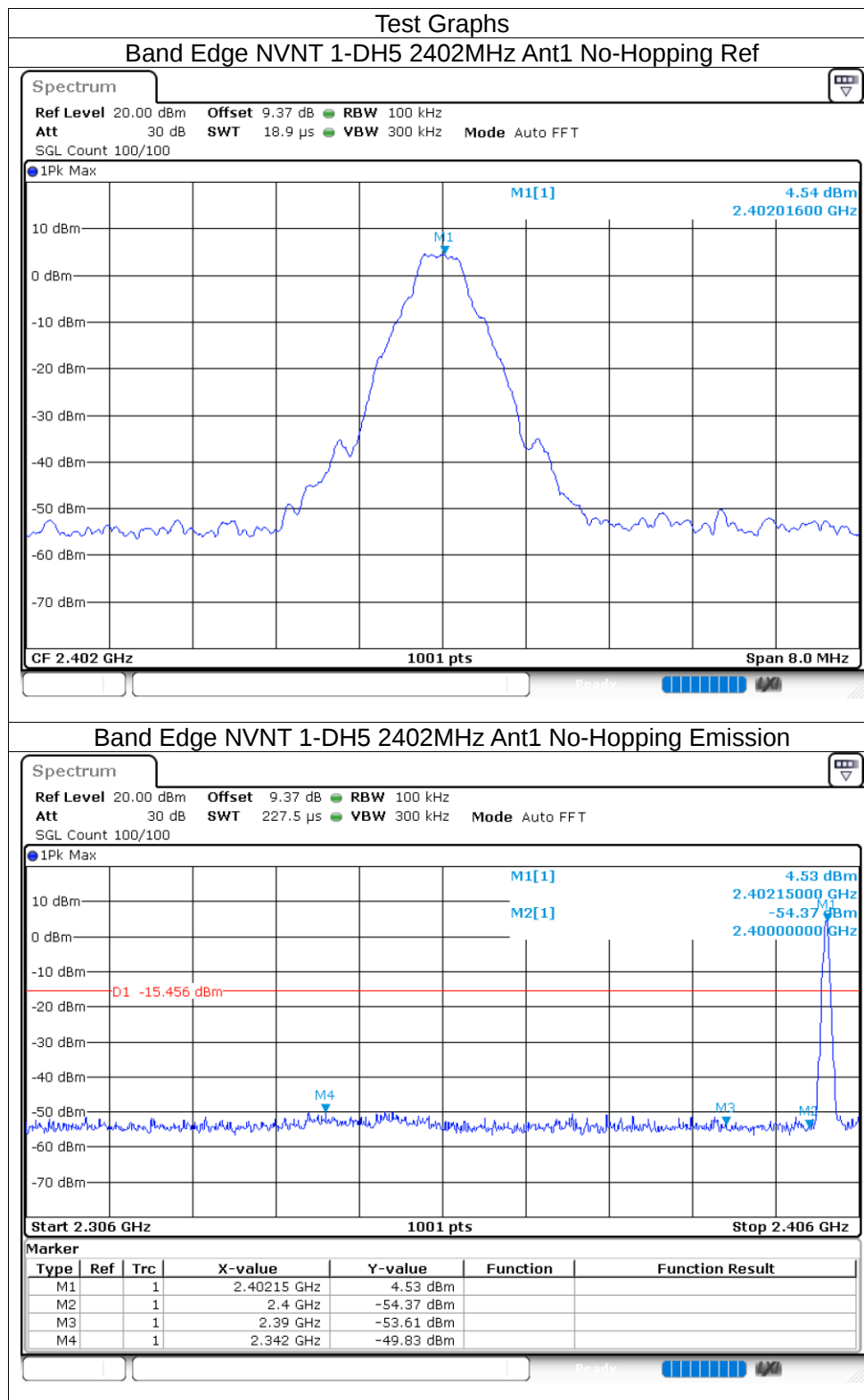
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass
NVNT	2-DH5	Ant1	79	15	Pass
NVNT	3-DH5	Ant1	79	15	Pass



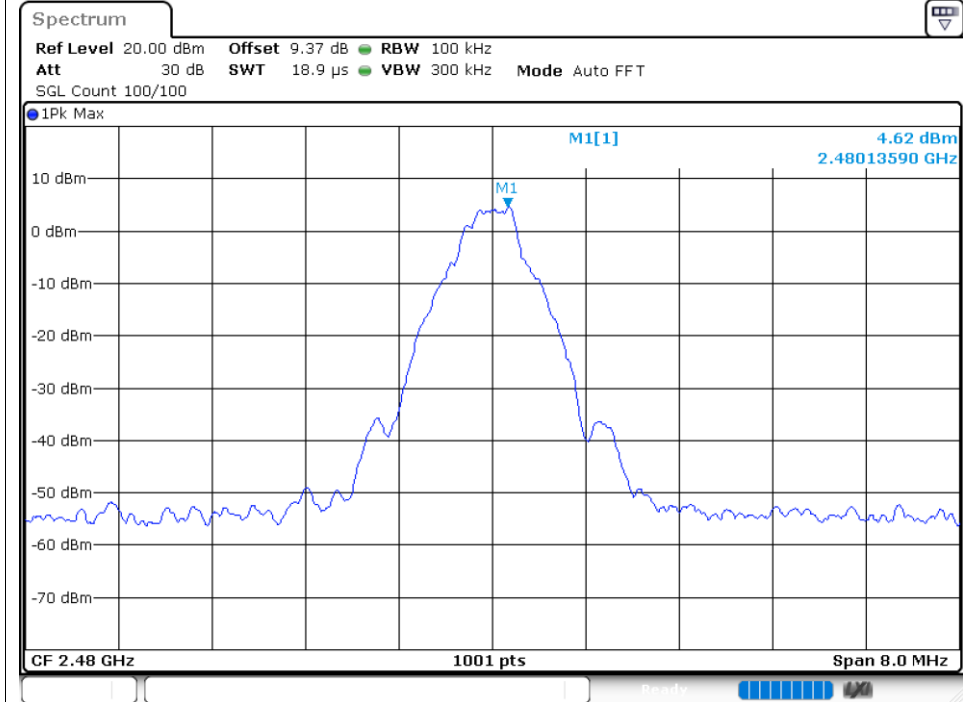


8.7 BAND EDGE

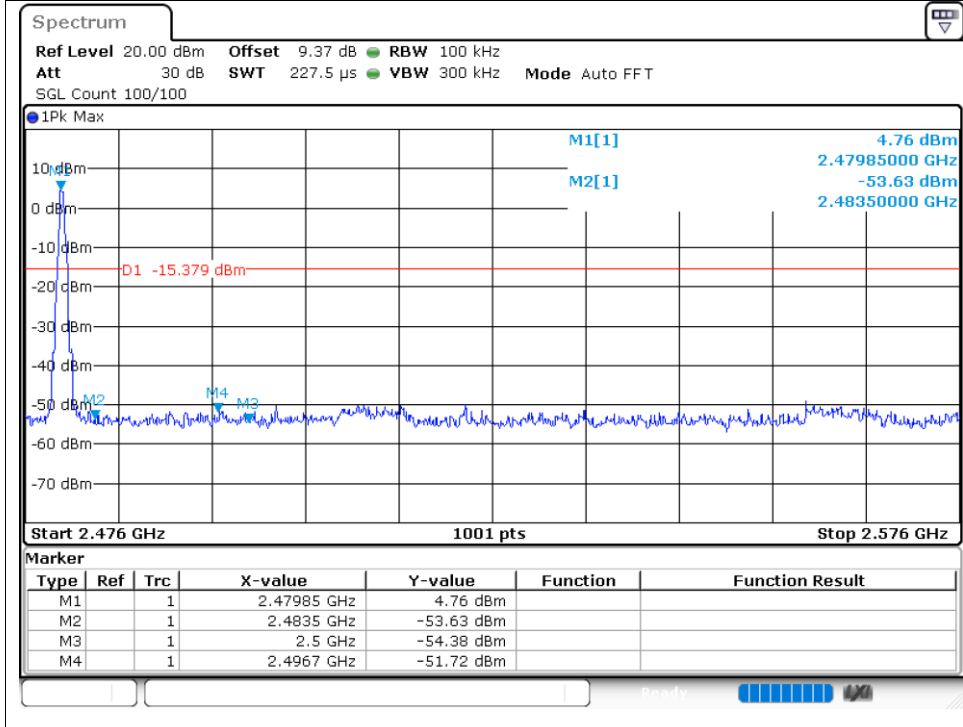
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-54.37	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-56.34	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-54	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-53.31	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-53.73	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-56.4	-20	Pass



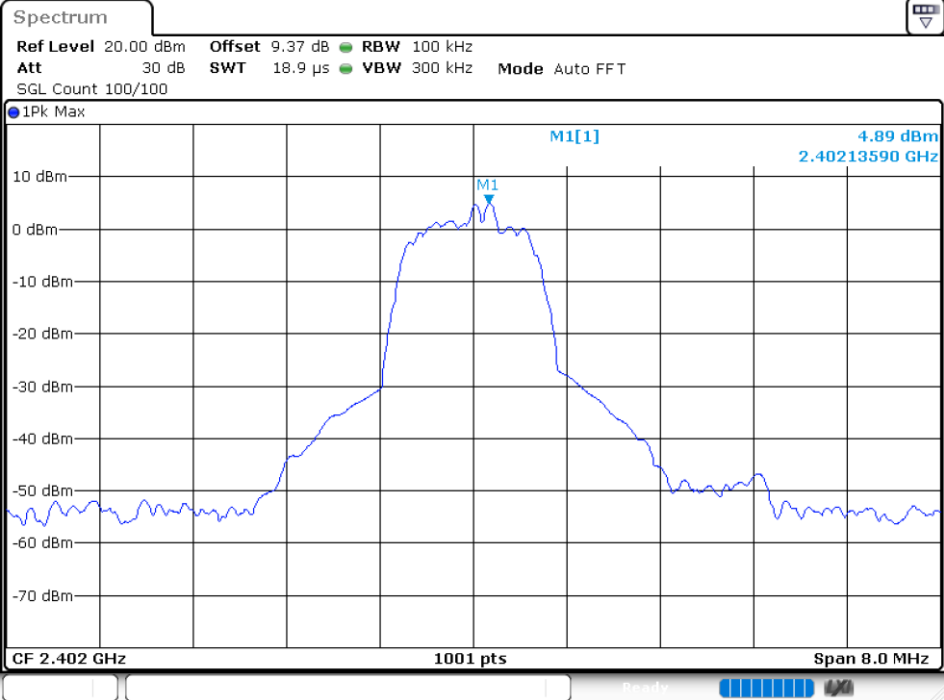
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref



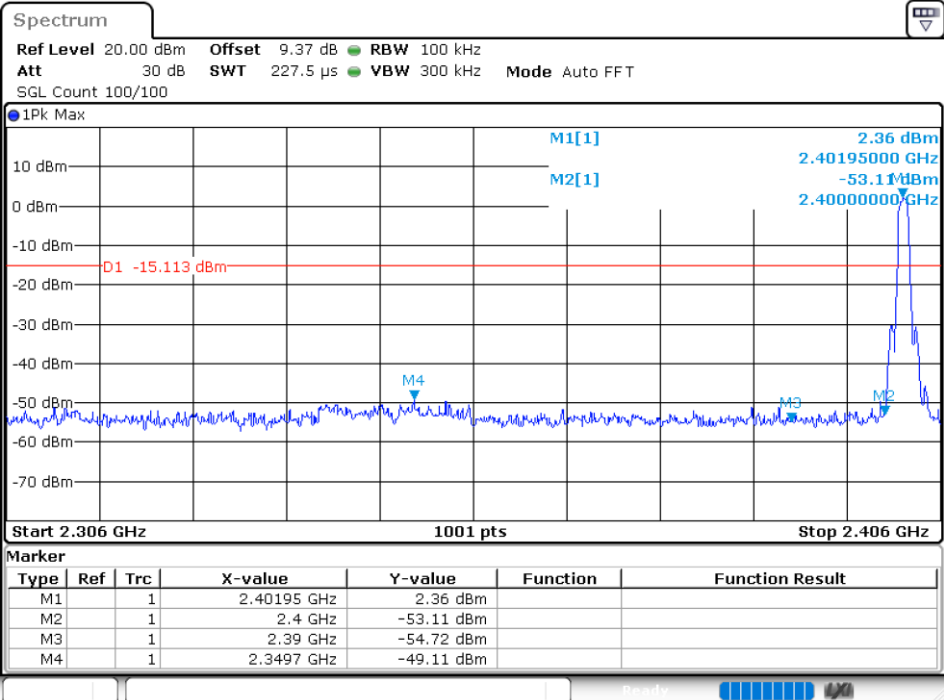
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission



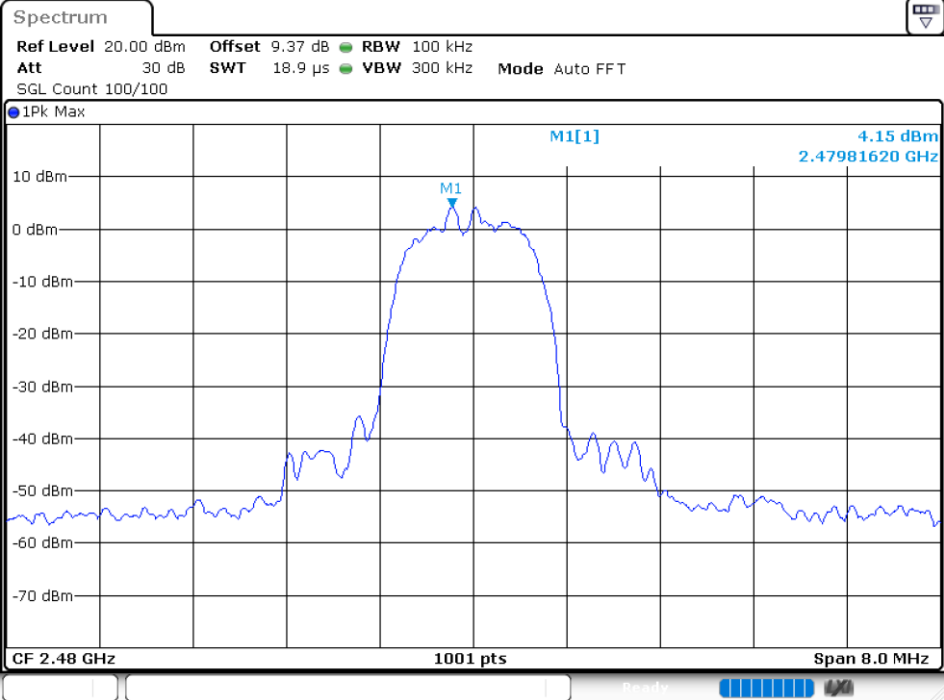
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref



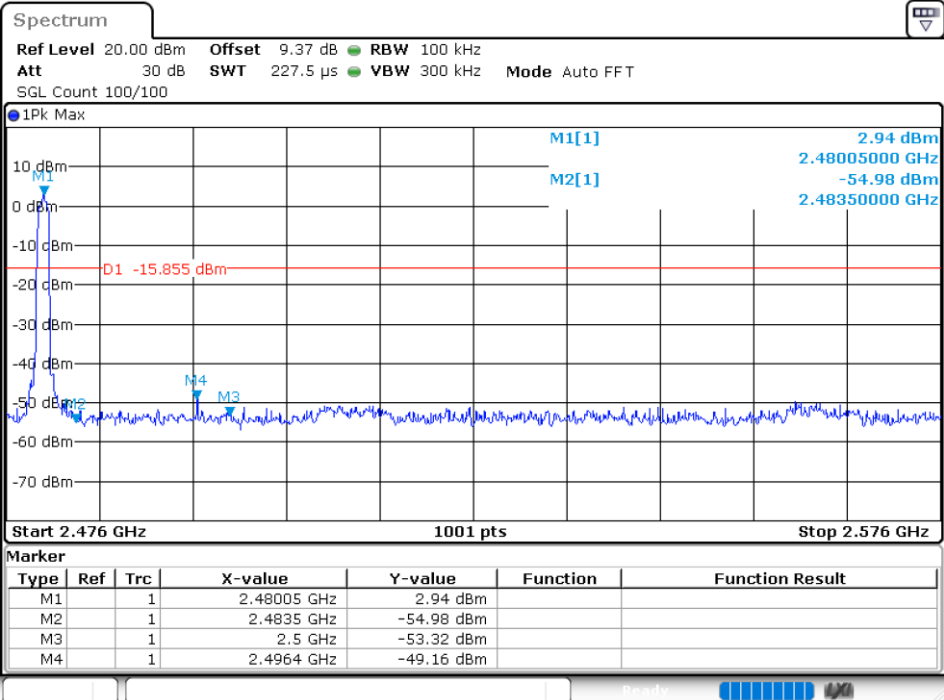
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission



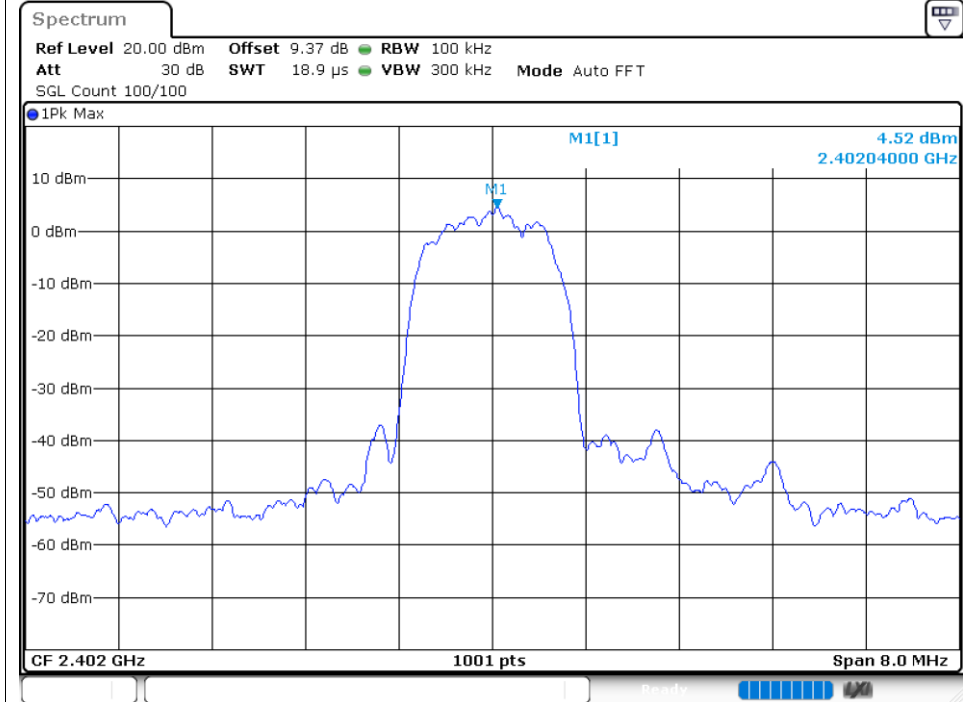
Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref



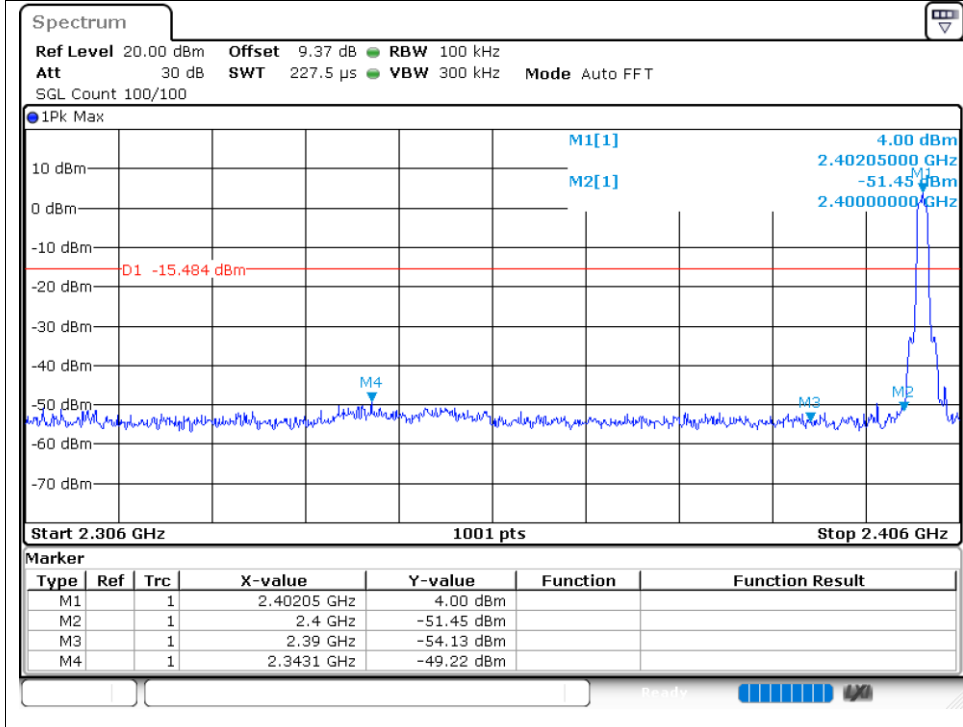
Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission



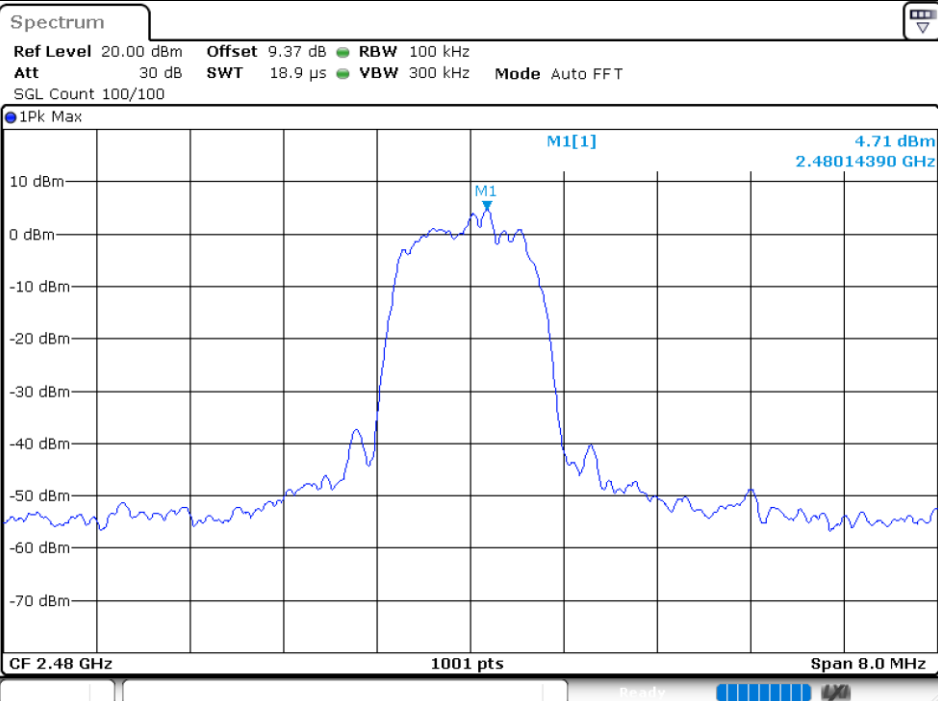
Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref



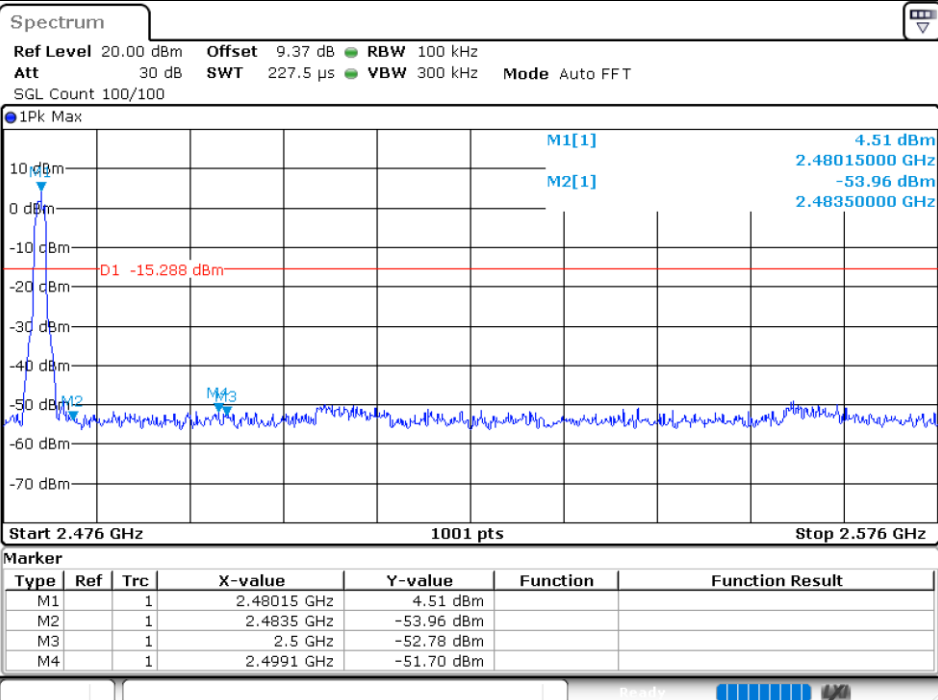
Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Emission



Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Ref

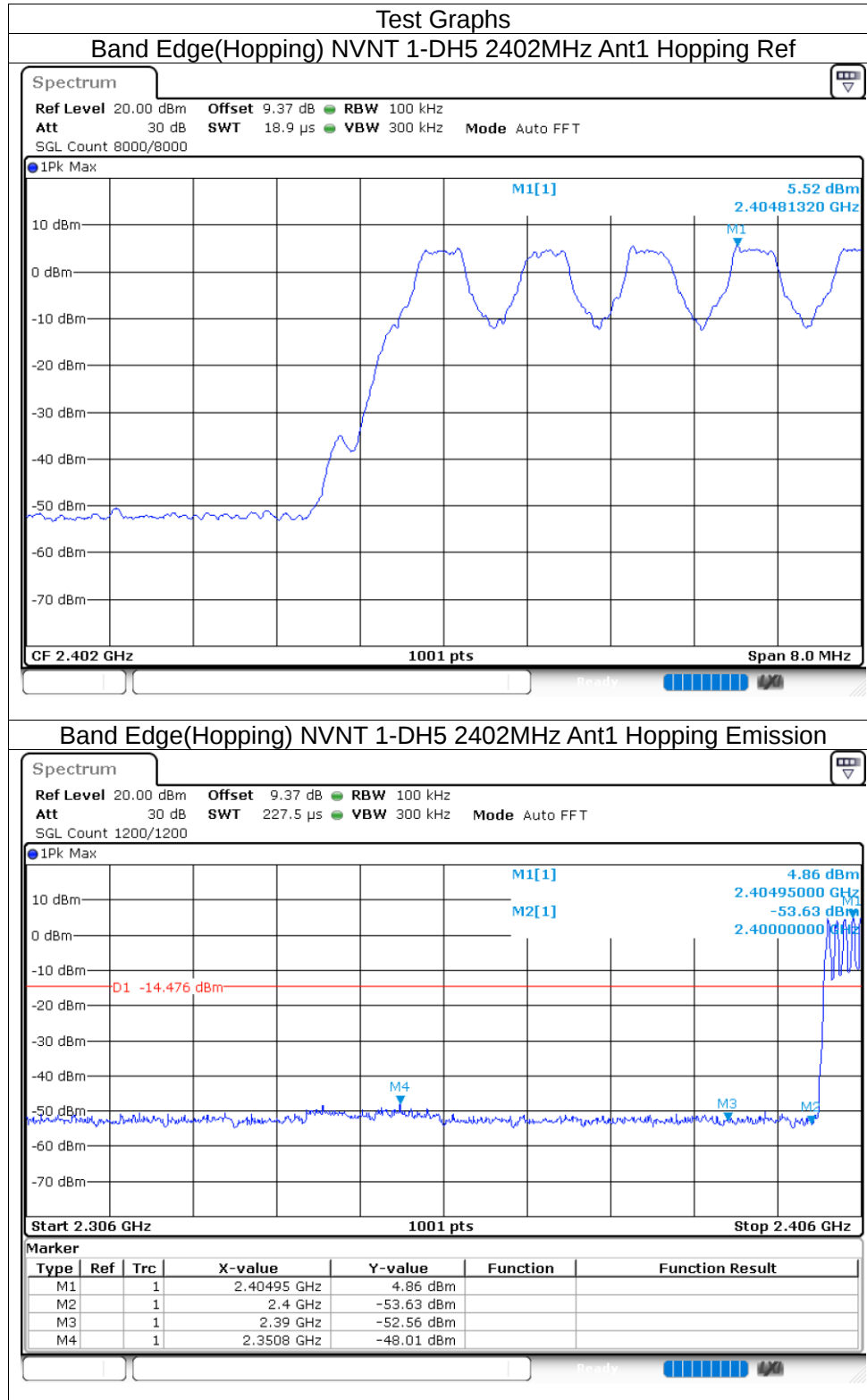


Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Emission

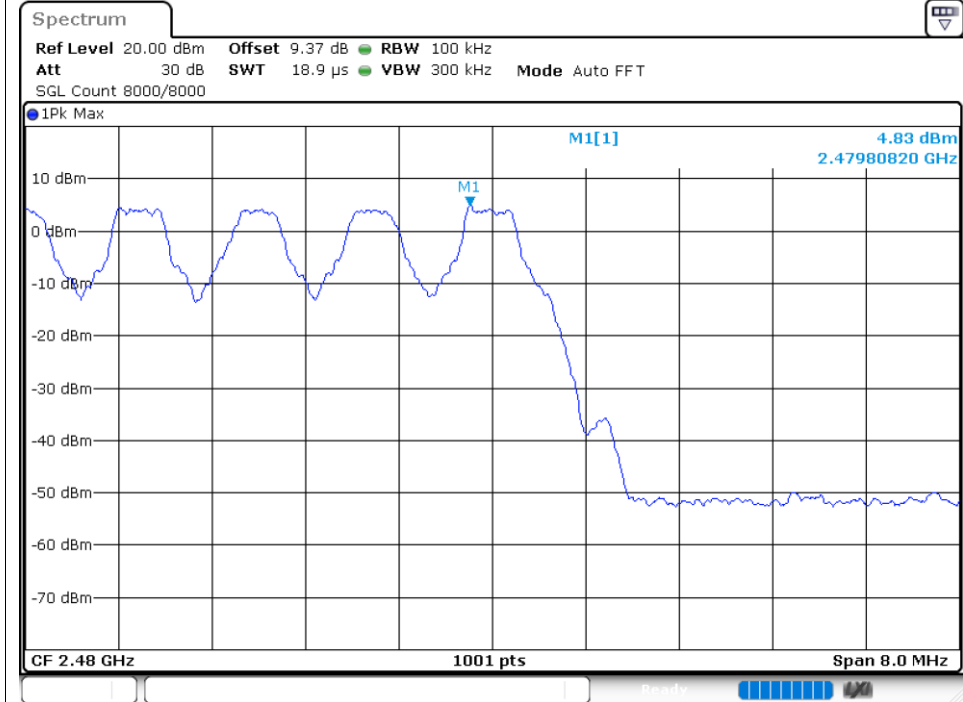


8.8 BAND EDGE(HOPPING)

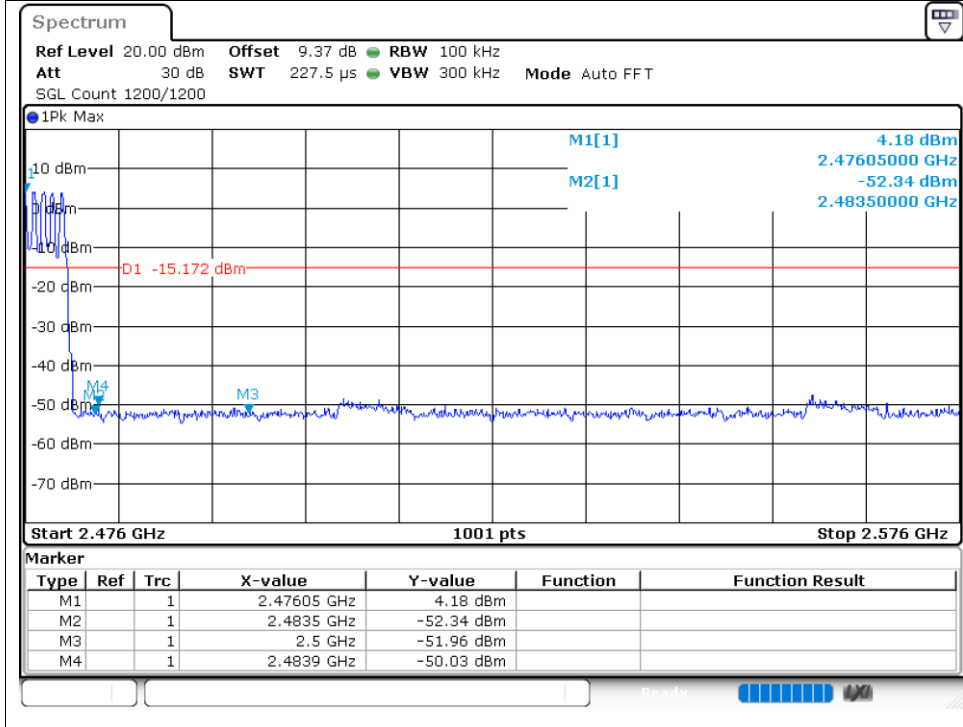
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-53.52	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-54.85	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-53.83	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-55.31	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-53.3	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-54.1	-20	Pass



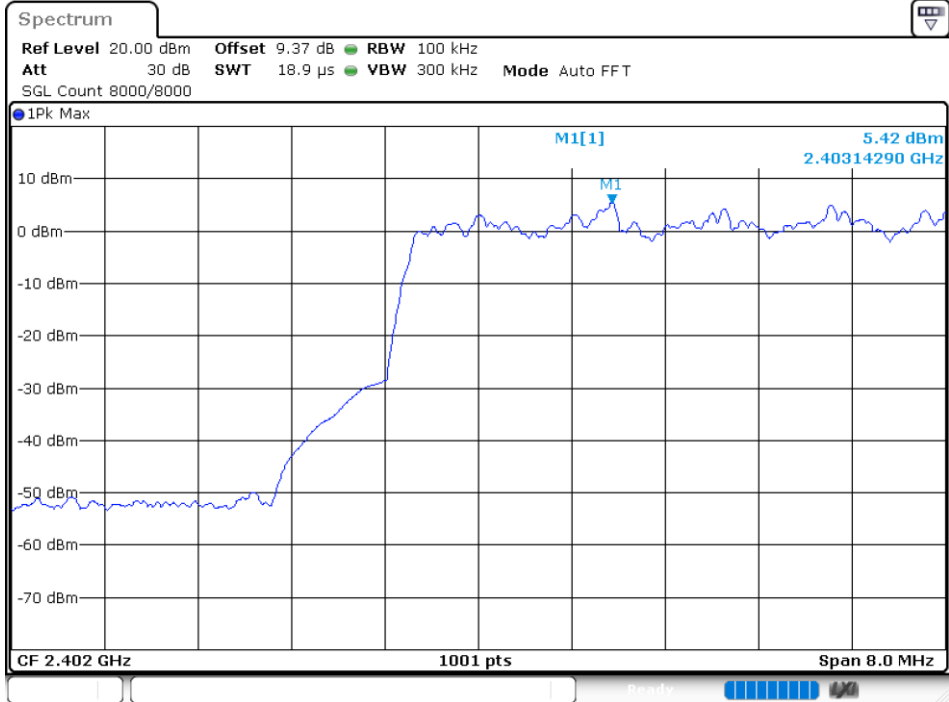
Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref



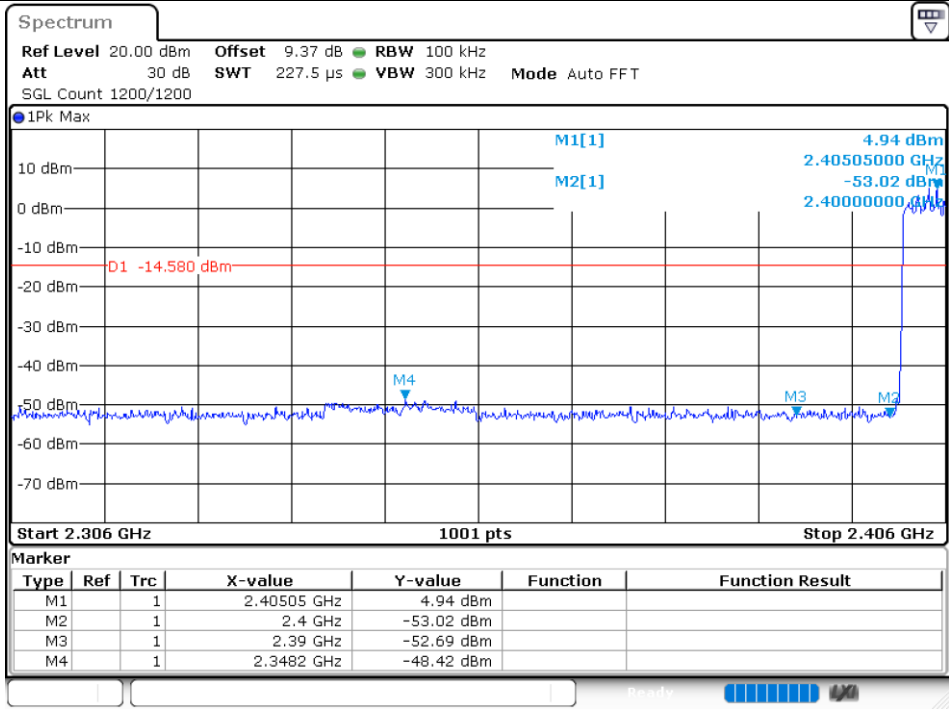
Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Emission



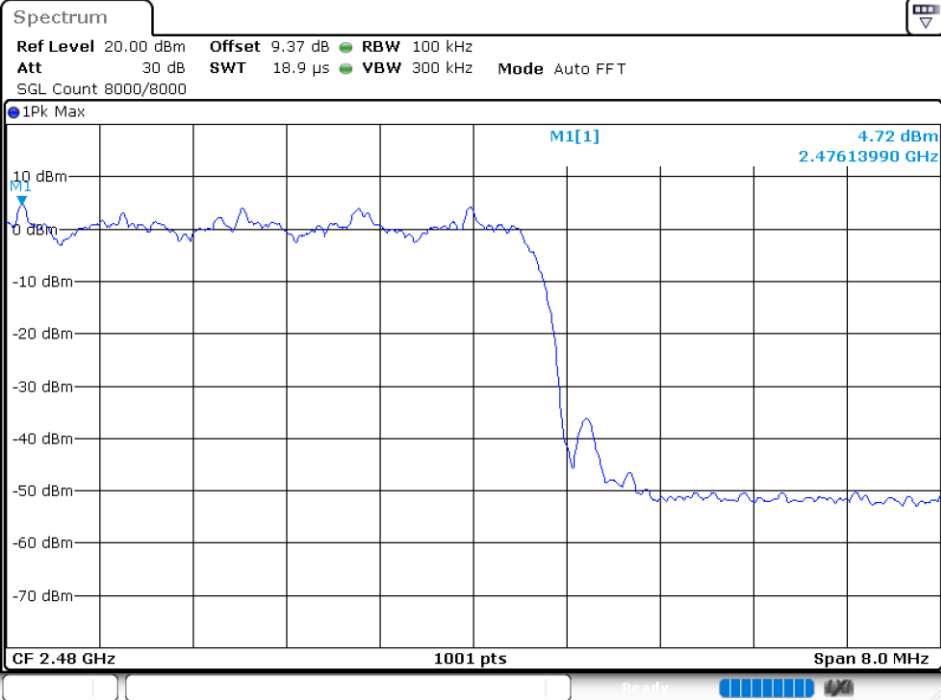
Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Ref



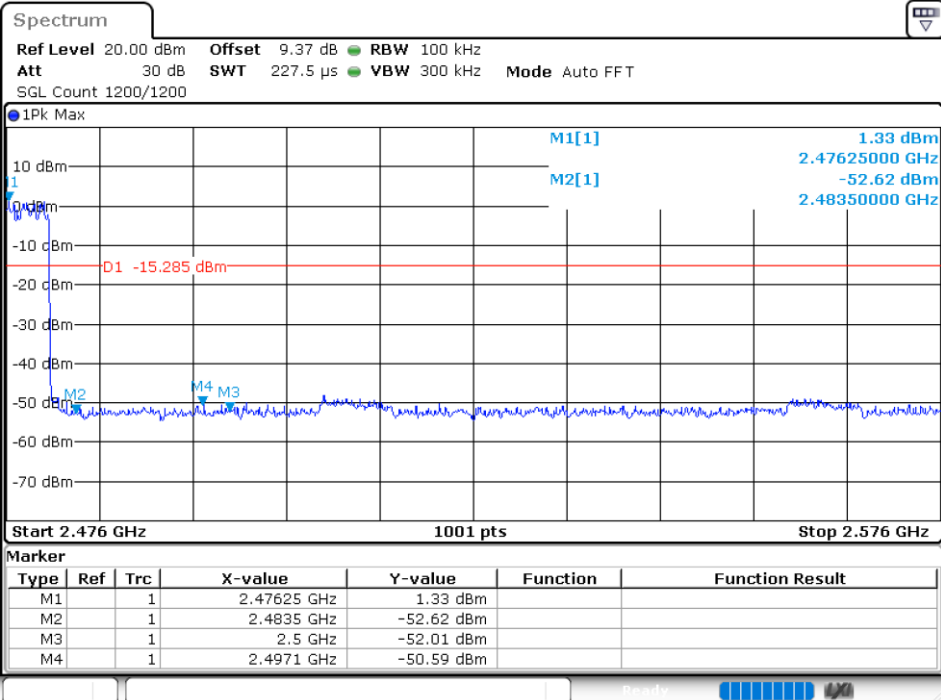
Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Emission



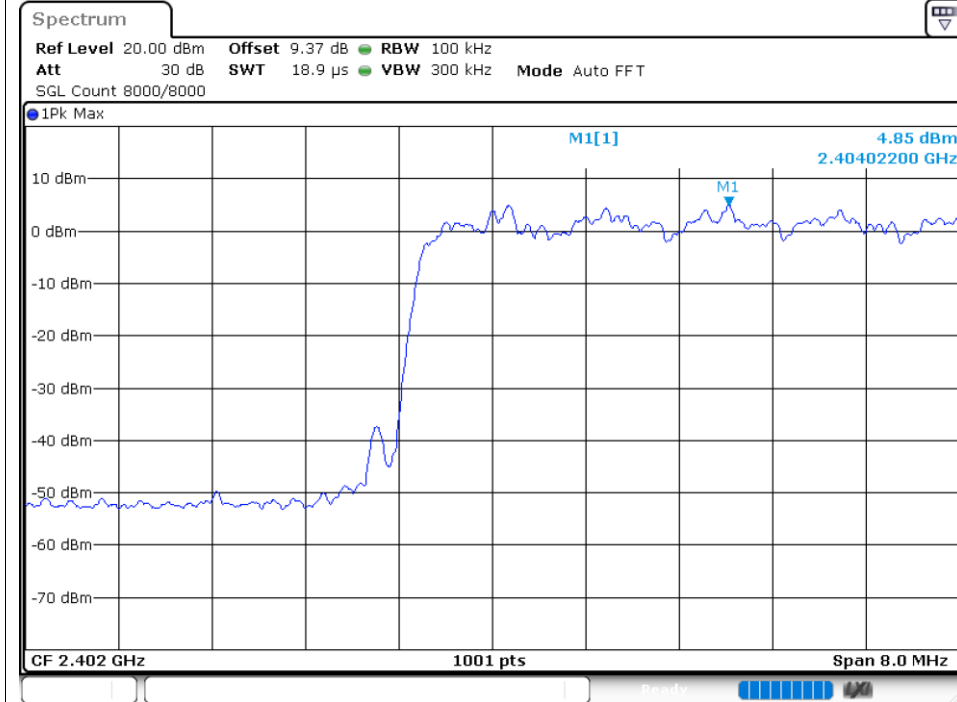
Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Ref



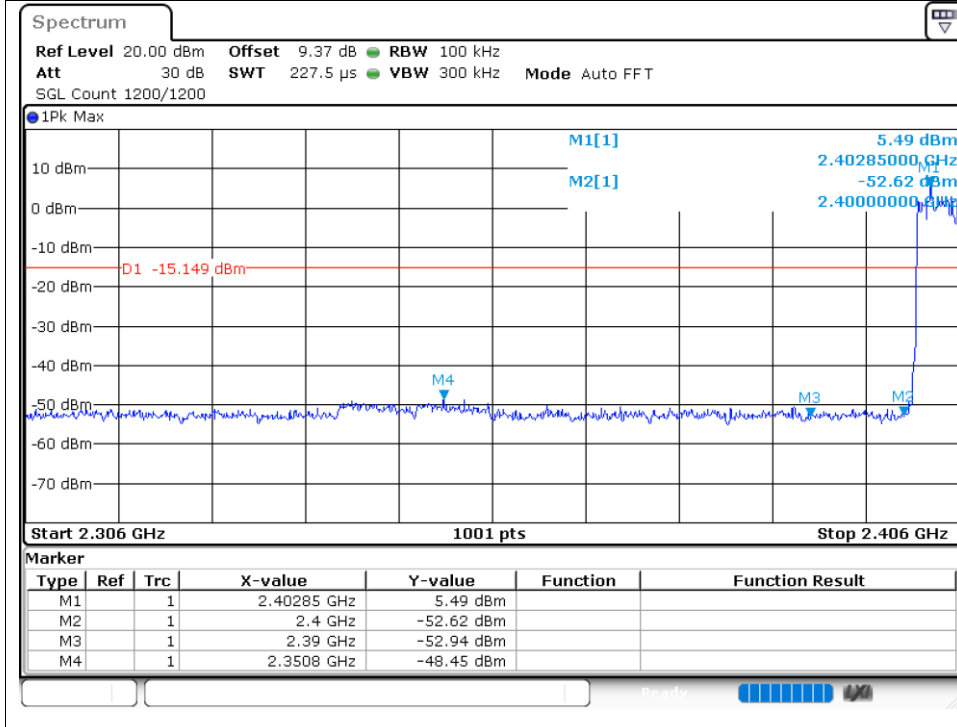
Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Emission



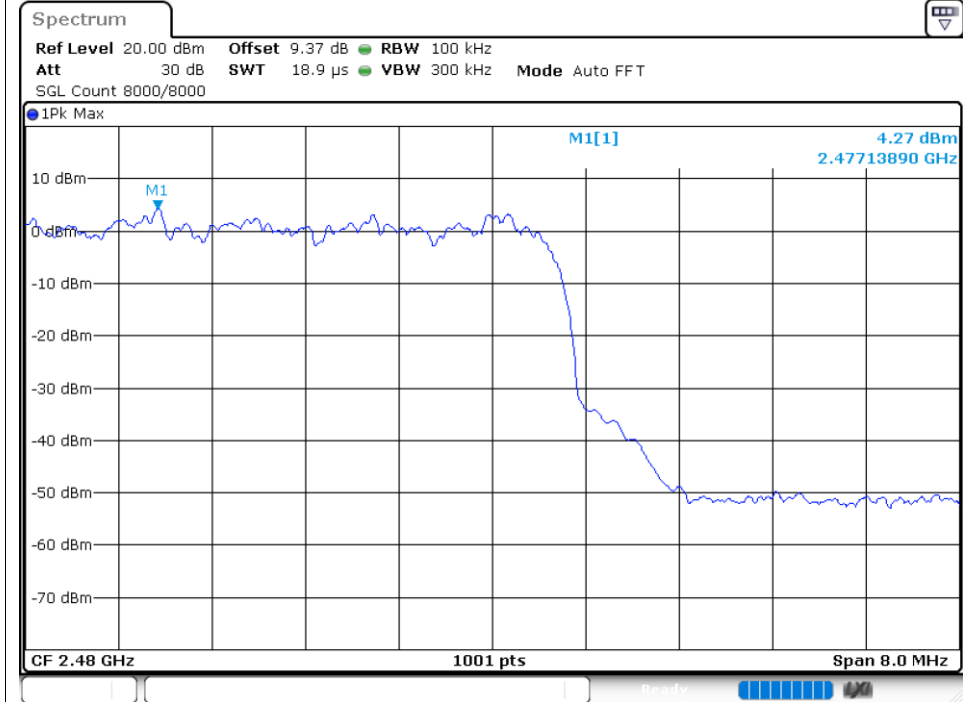
Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Ref



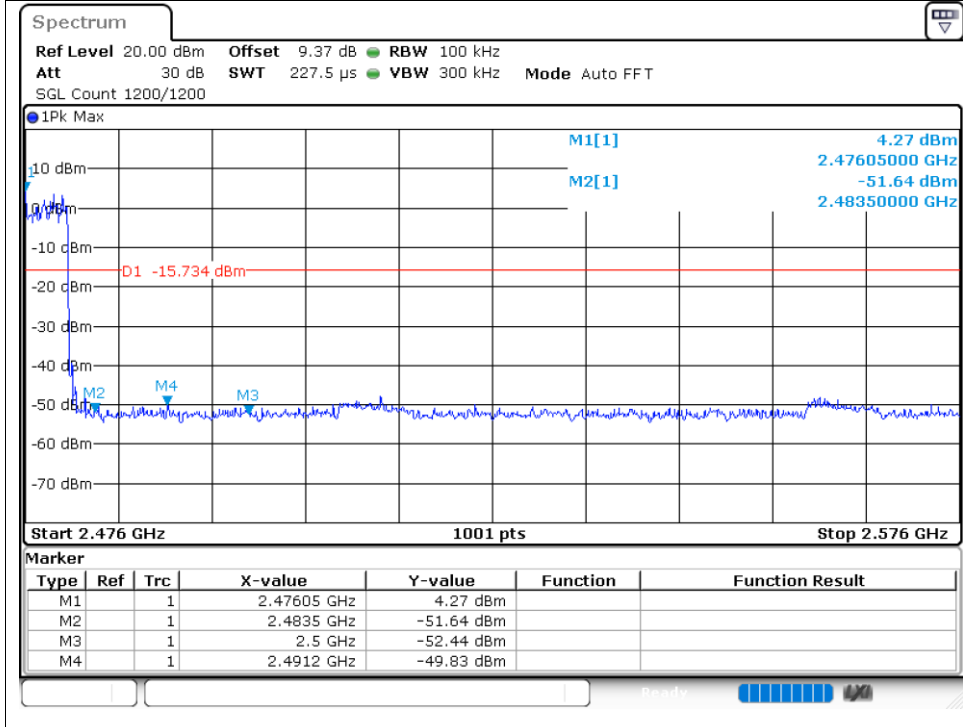
Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Emission



Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Ref



Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Emission

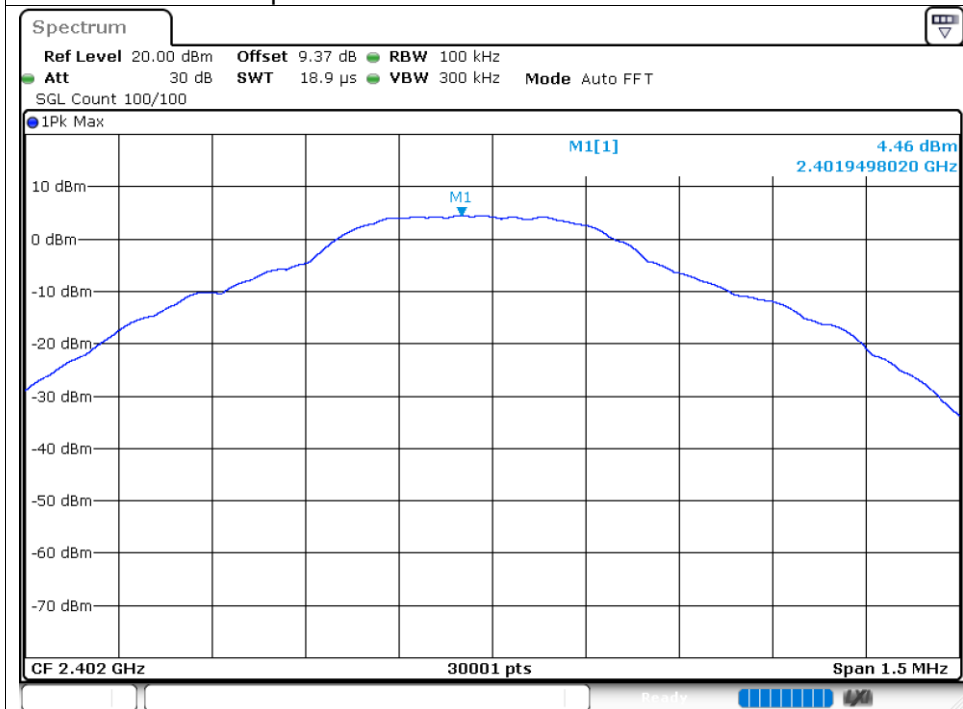


8.9 CONDUCTED RF SPURIOUS EMISSION

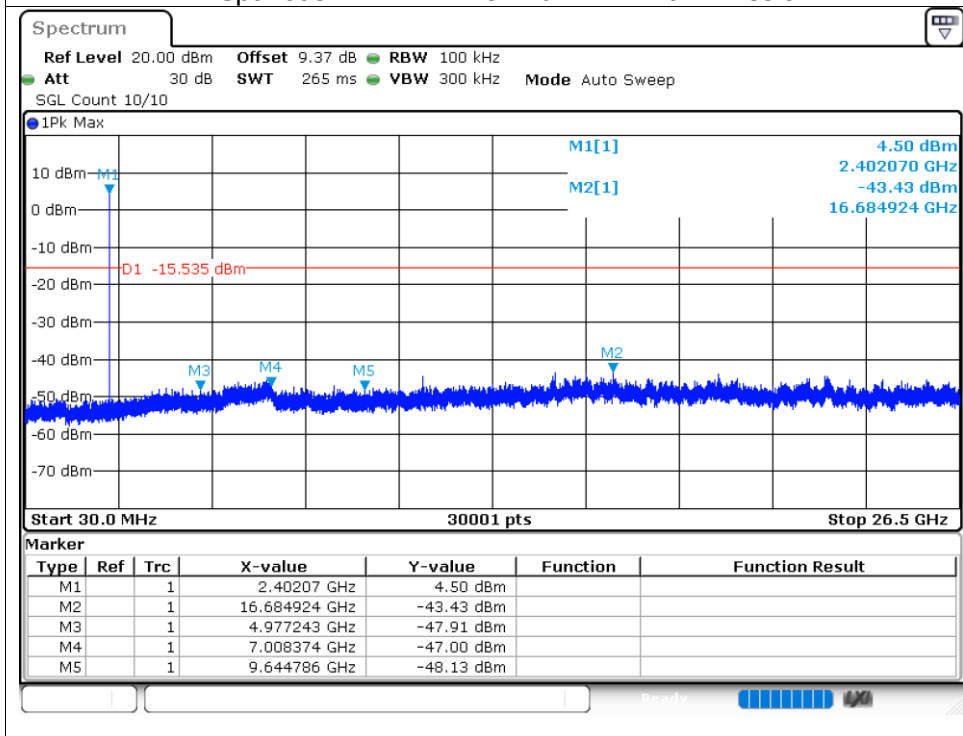
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-47.88	-20	Pass
NVNT	1-DH5	2441	Ant1	-49.31	-20	Pass
NVNT	1-DH5	2480	Ant1	-48.82	-20	Pass
NVNT	2-DH5	2402	Ant1	-48.34	-20	Pass
NVNT	2-DH5	2441	Ant1	-49.33	-20	Pass
NVNT	2-DH5	2480	Ant1	-47.58	-20	Pass
NVNT	3-DH5	2402	Ant1	-48.86	-20	Pass
NVNT	3-DH5	2441	Ant1	-49.94	-20	Pass
NVNT	3-DH5	2480	Ant1	-46.86	-20	Pass

Test Graphs

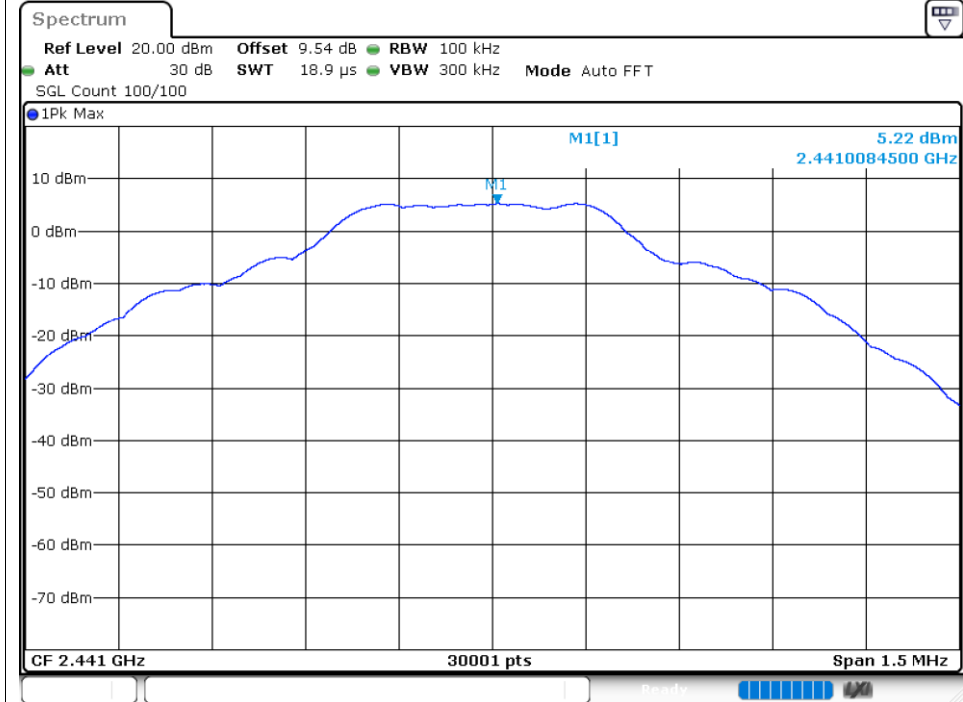
Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref



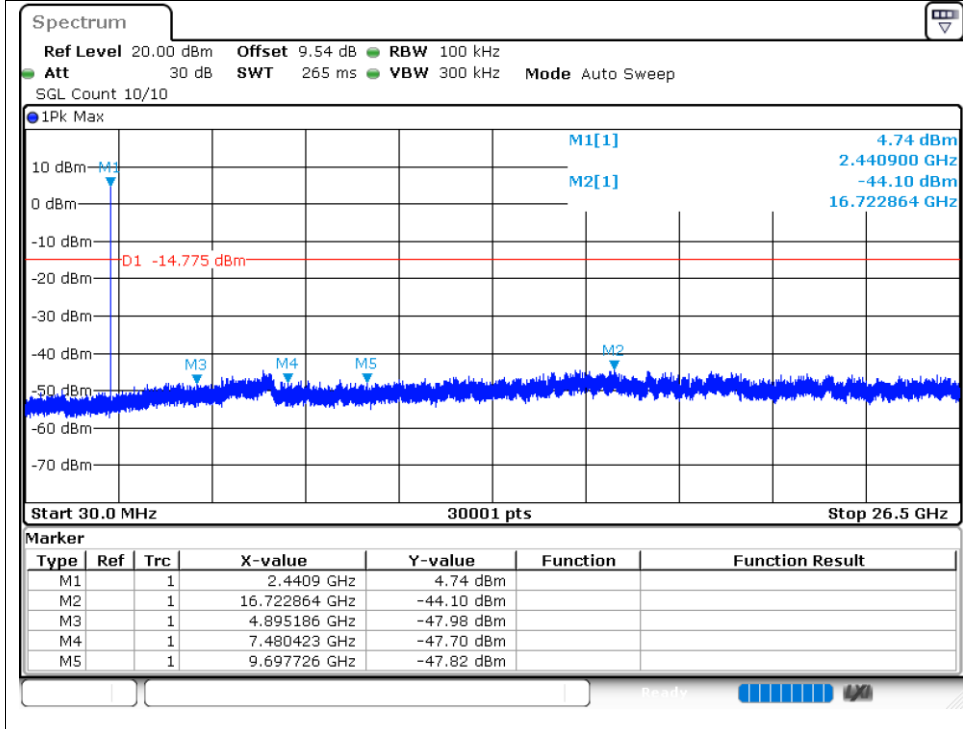
Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission



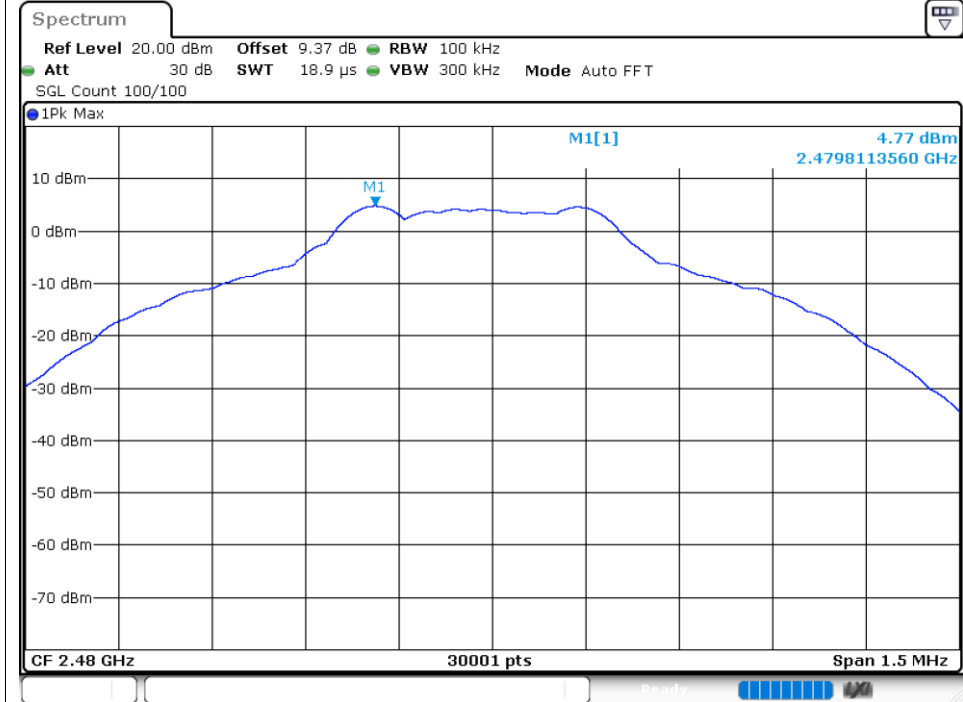
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref



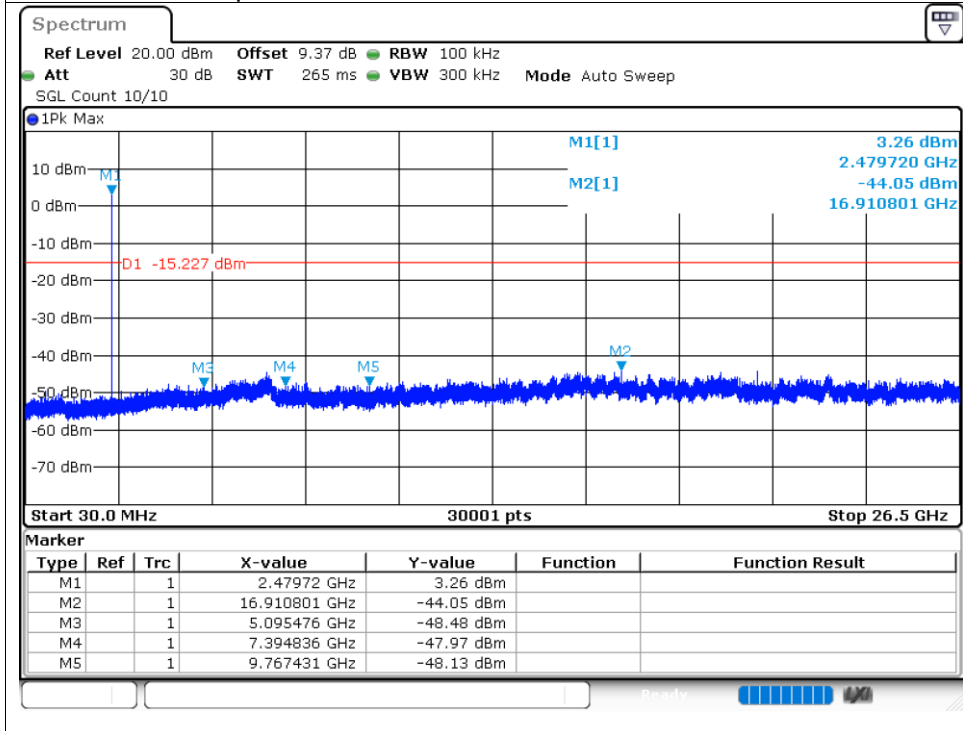
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission



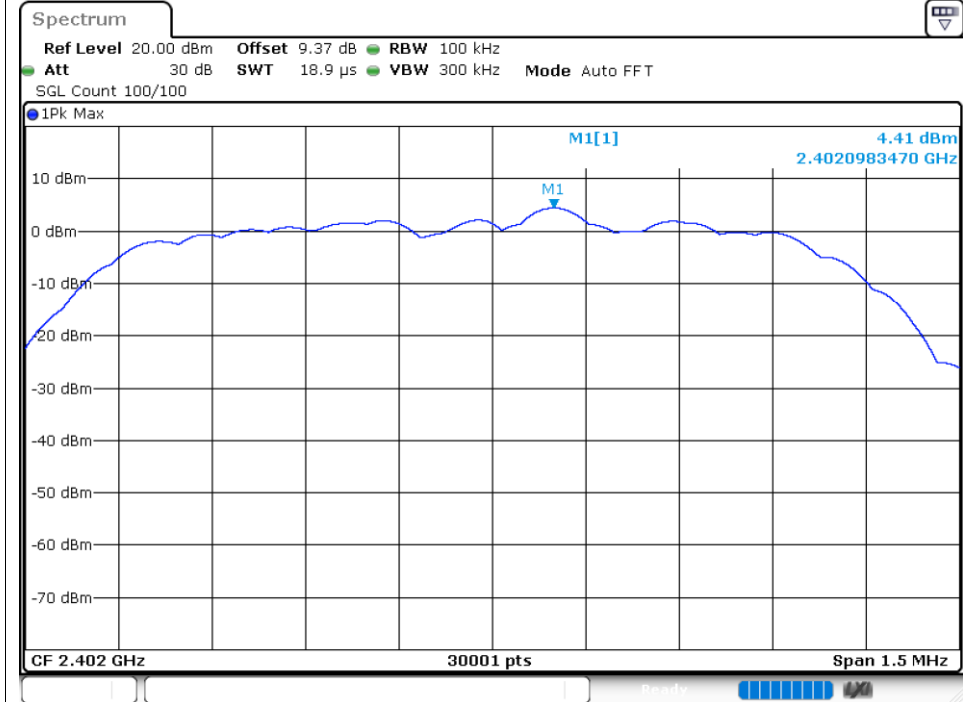
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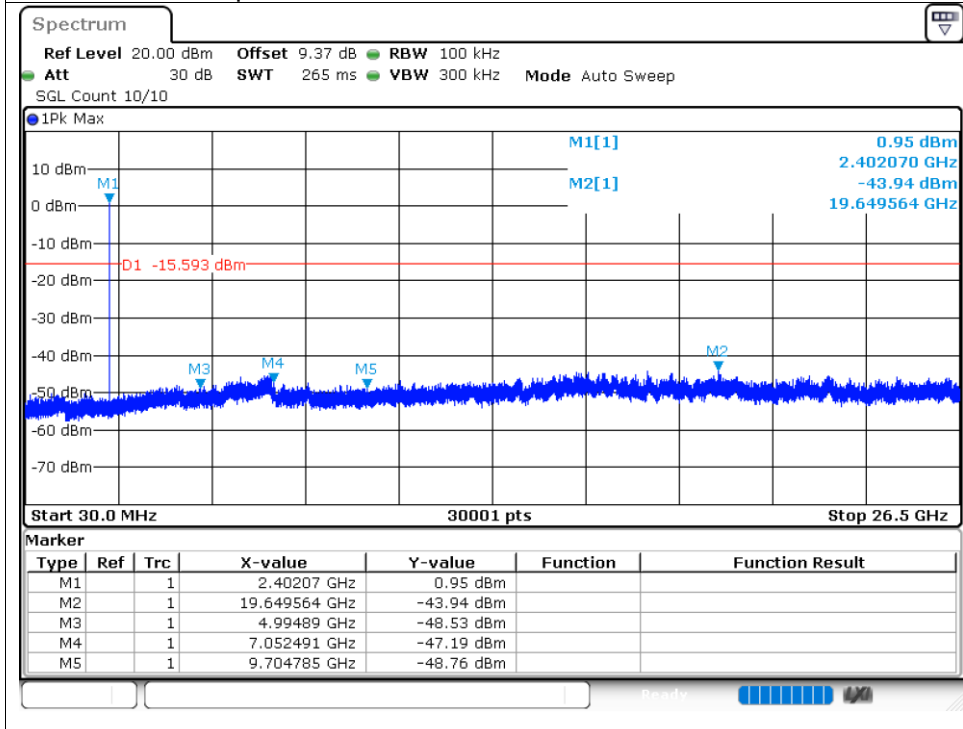
Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Emission



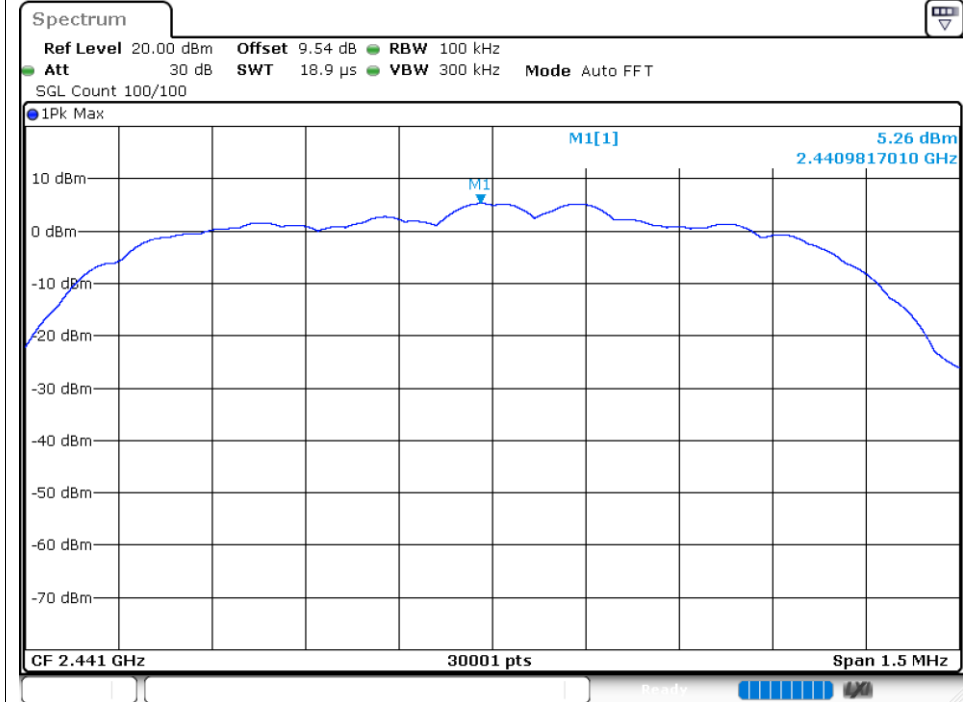
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Ref



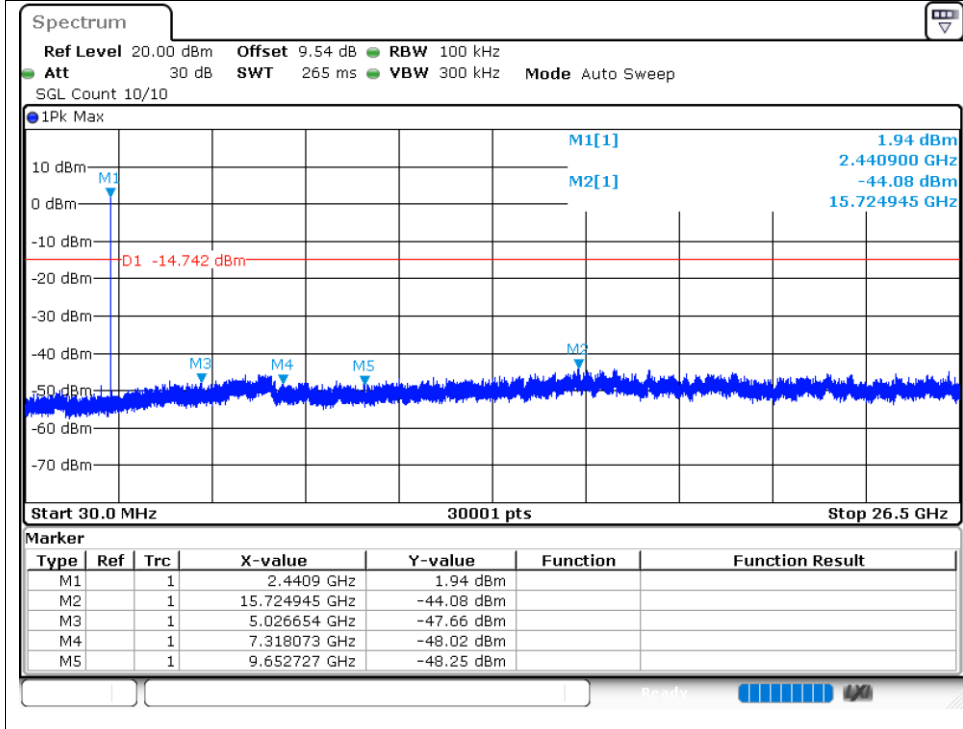
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Emission

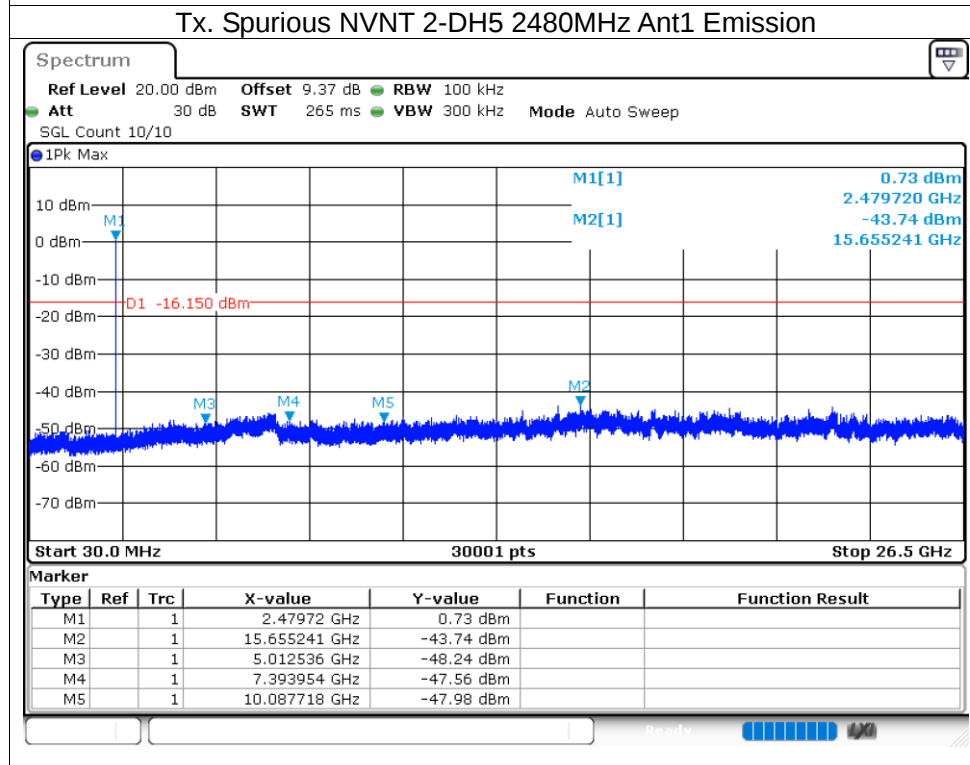
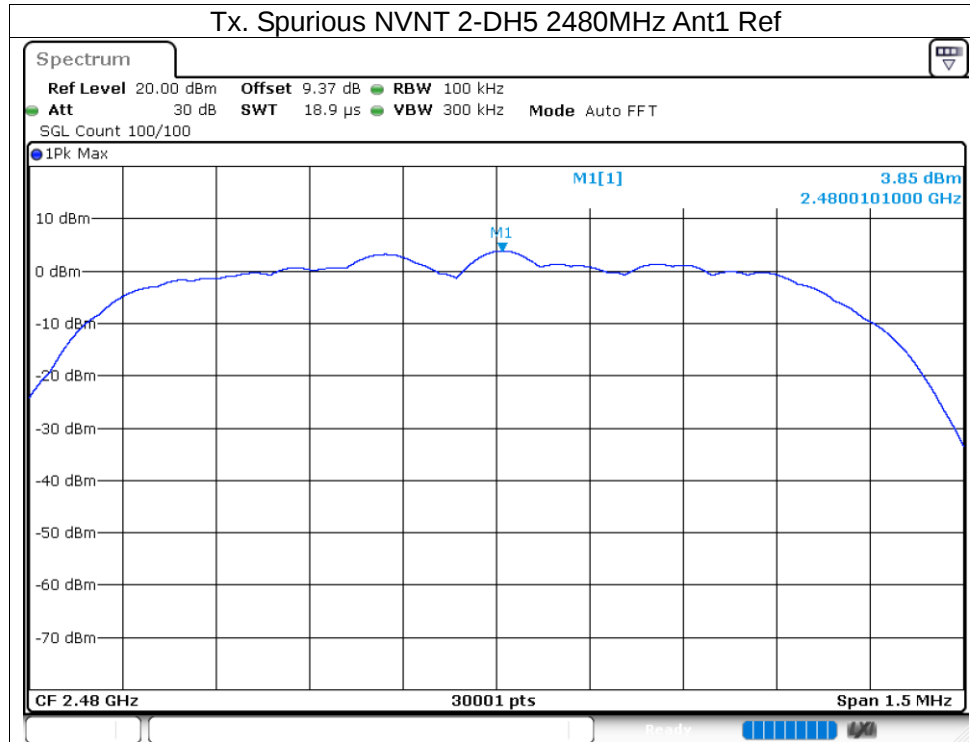


Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Ref

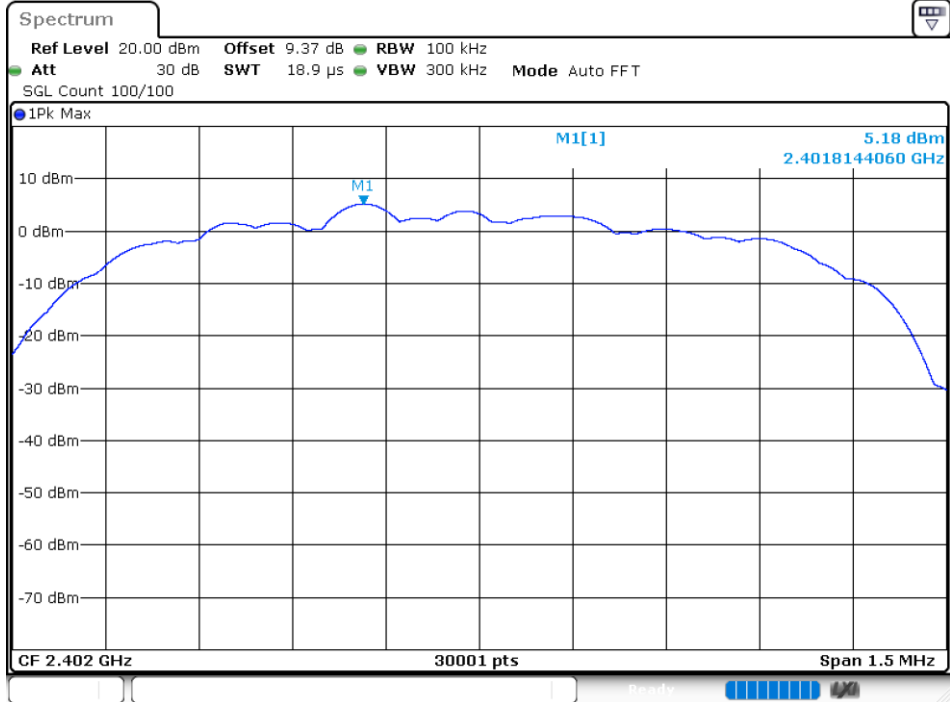


Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Emission

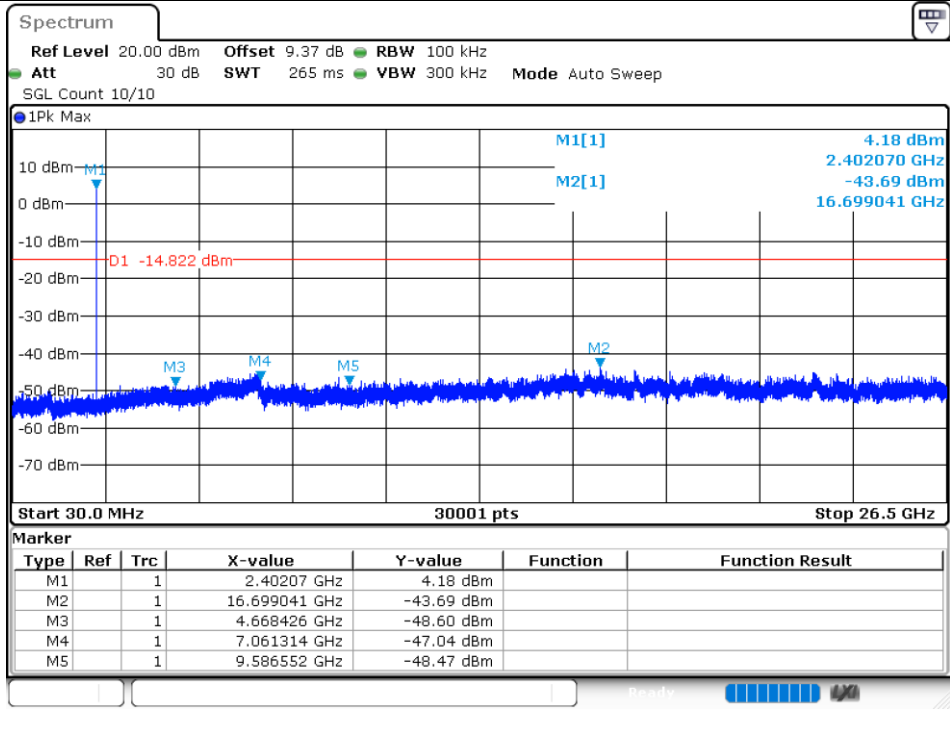




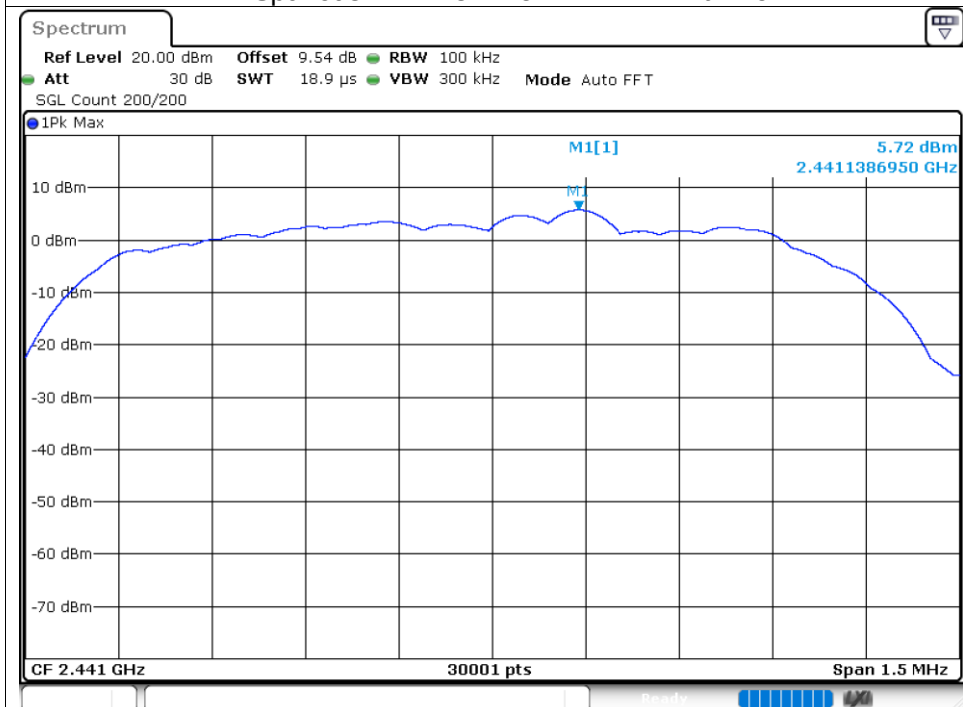
Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Ref



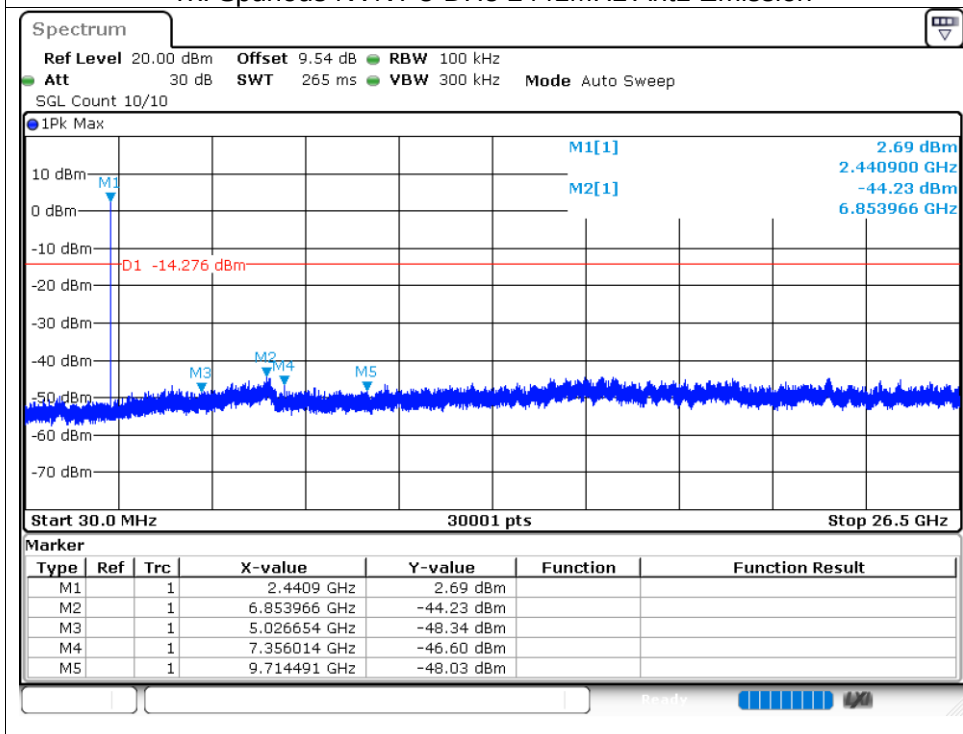
Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Emission

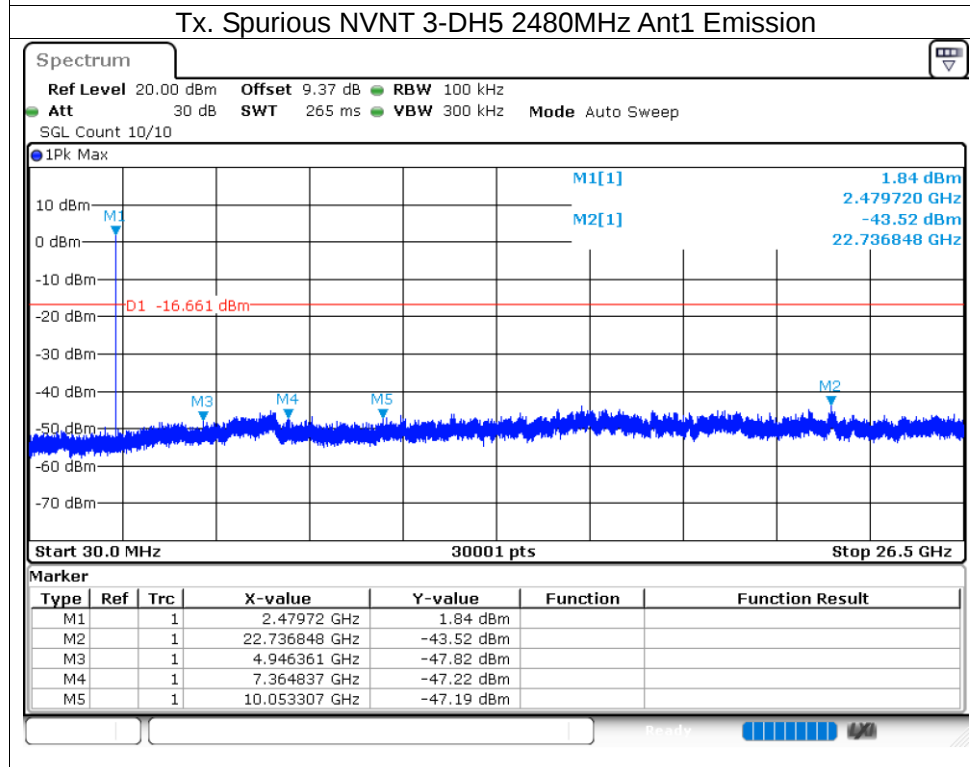
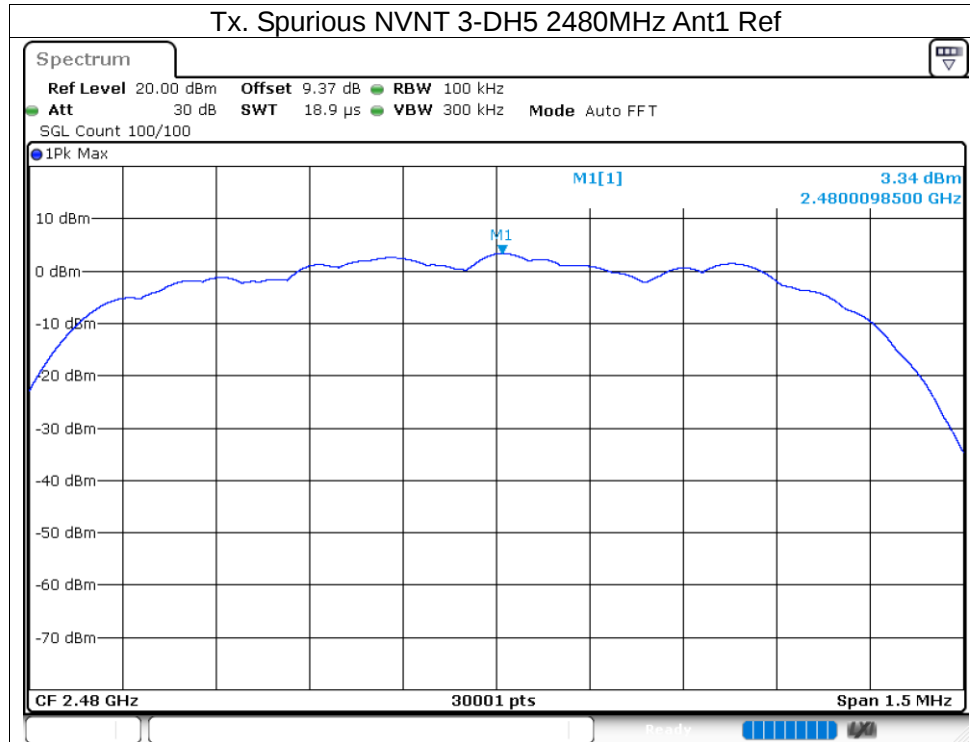


Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Emission





END OF REPORT