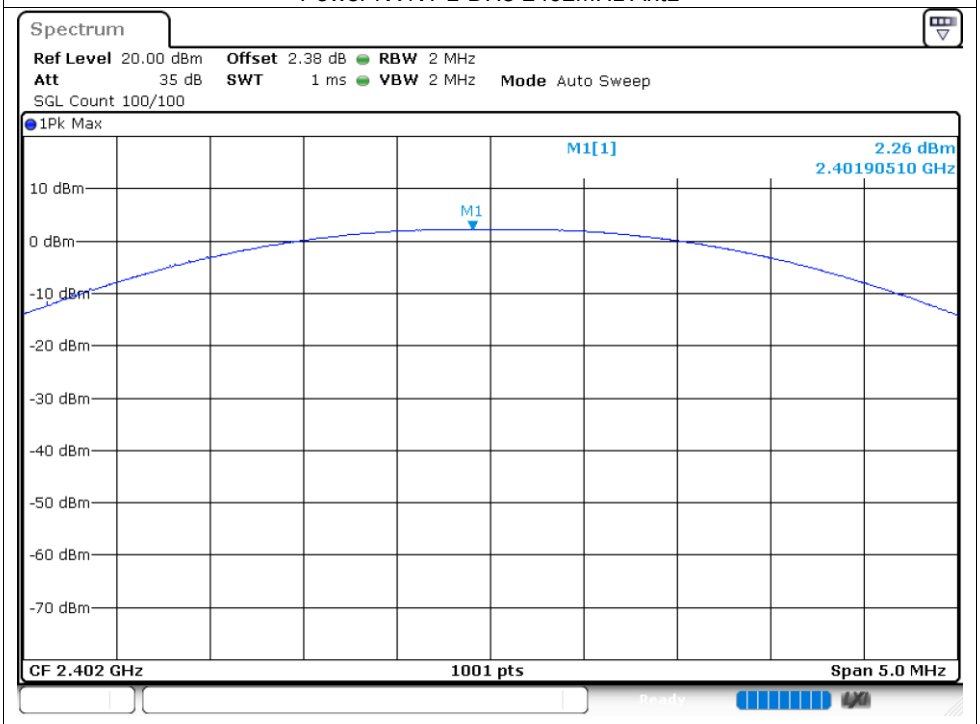
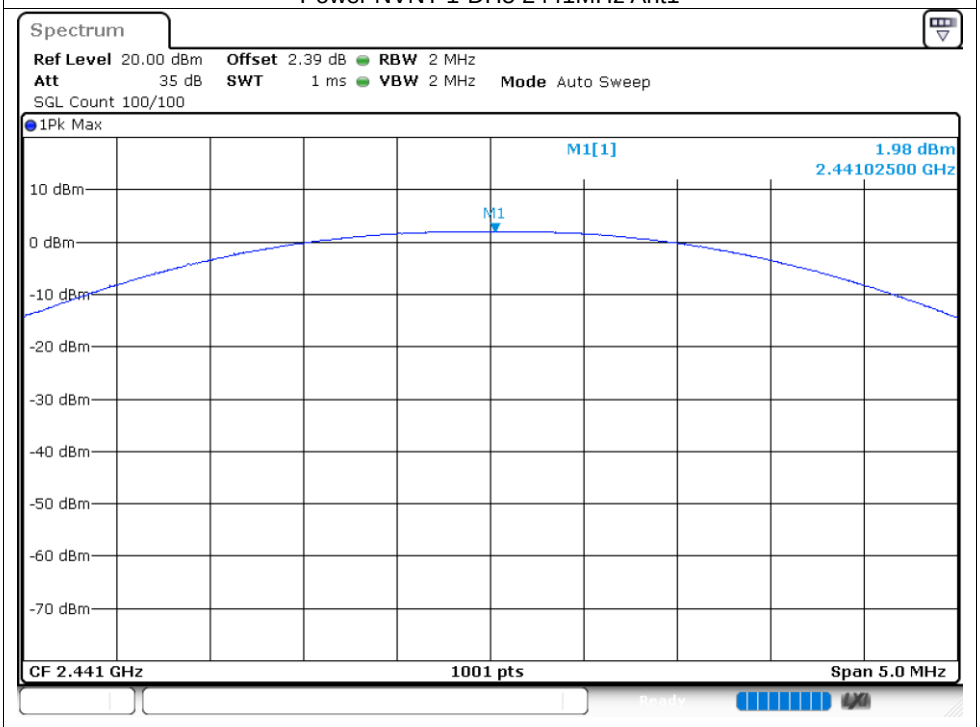
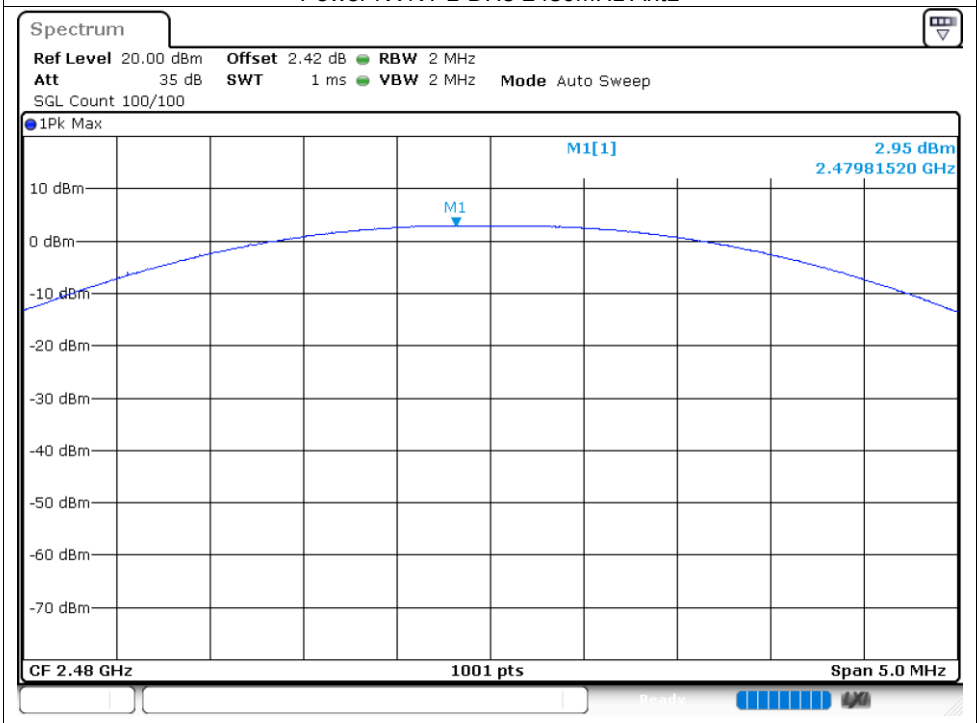
Test Graphs
Power NVNT 1-DH5 2402MHz Ant1



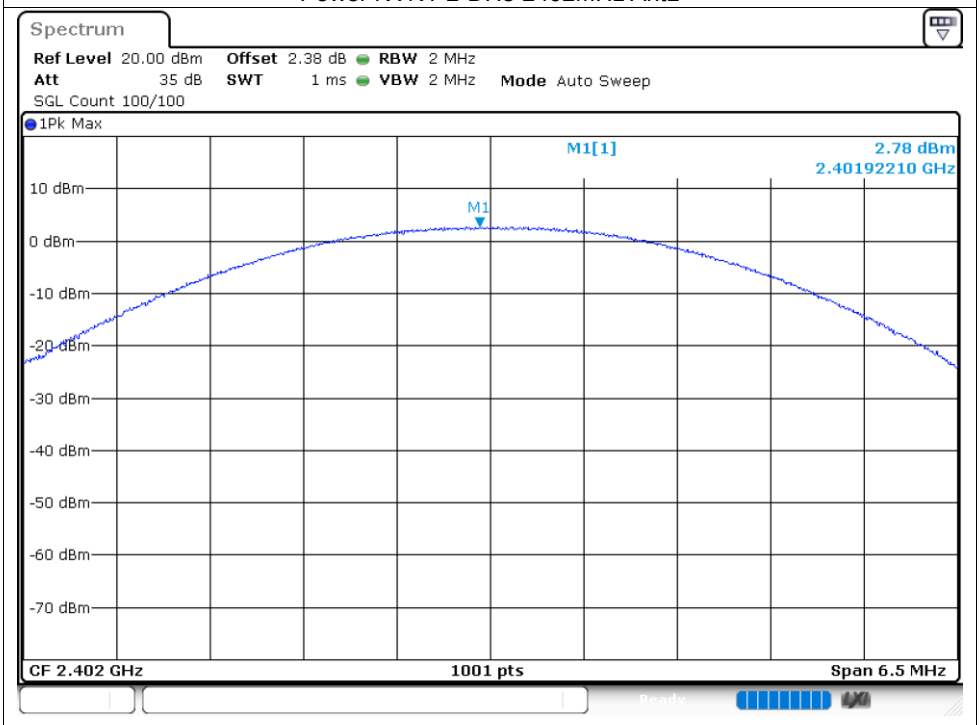
Power NVNT 1-DH5 2441MHz Ant1



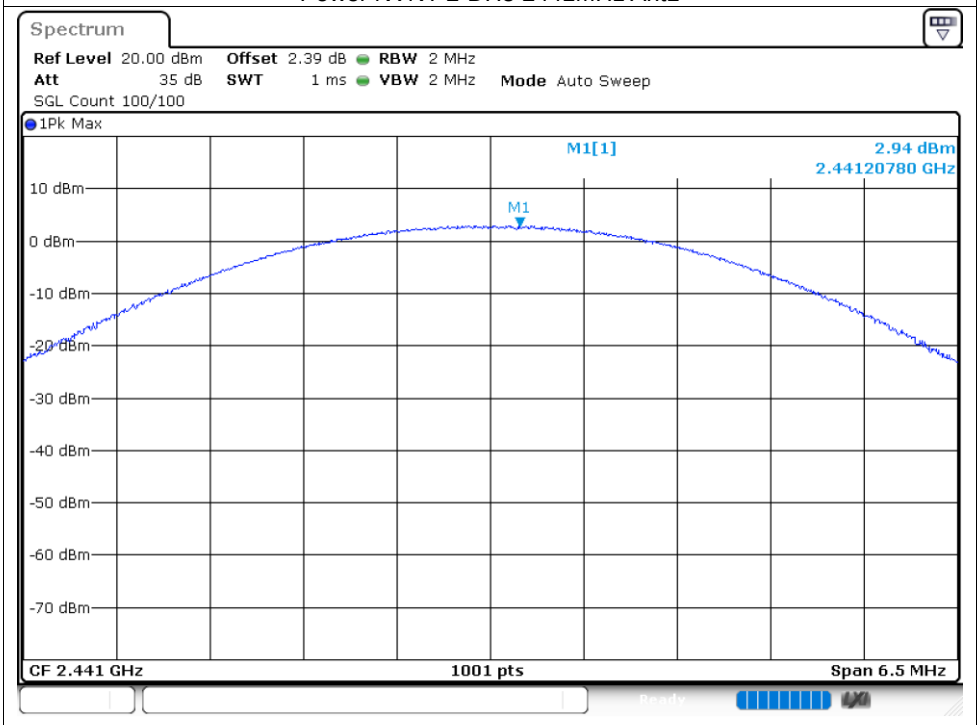
Power NVNT 1-DH5 2480MHz Ant1



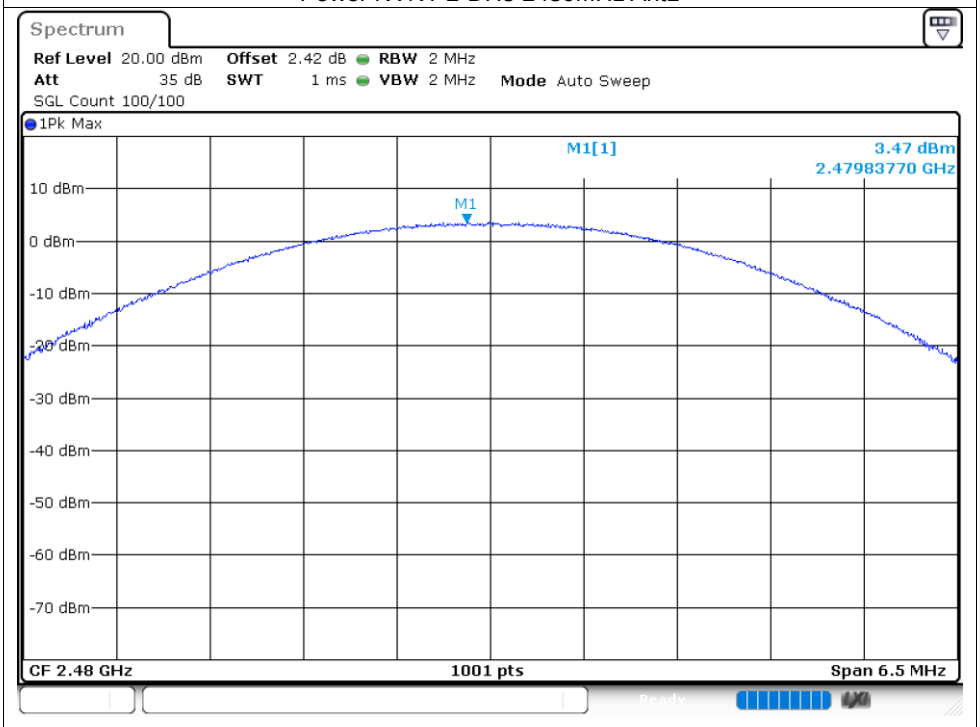
Power NVNT 2-DH5 2402MHz Ant1



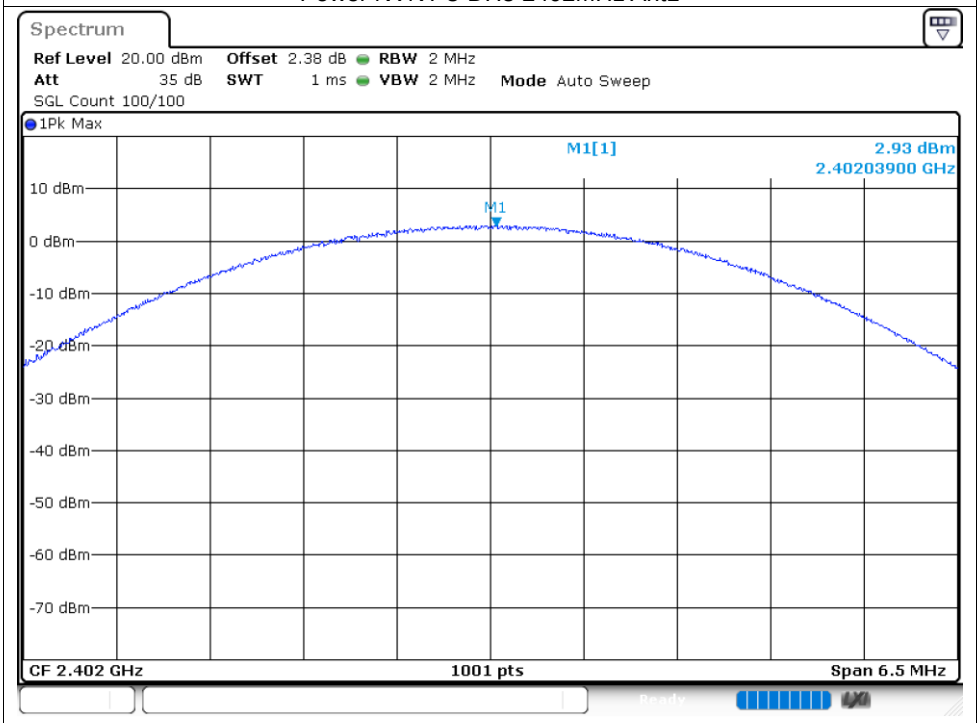
Power NVNT 2-DH5 2441MHz Ant1



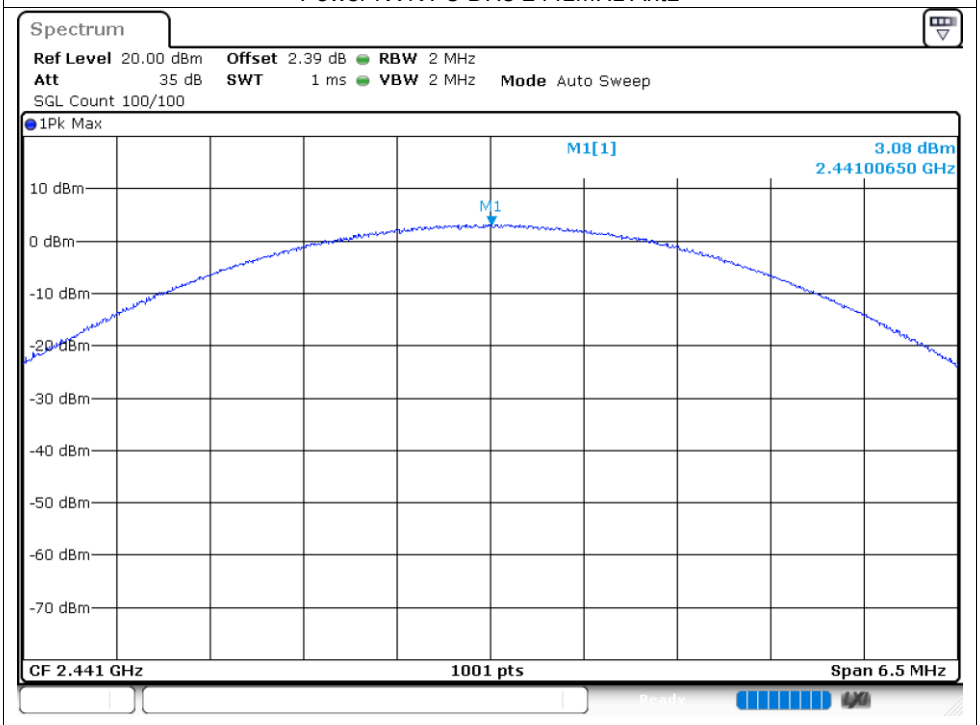
Power NVNT 2-DH5 2480MHz Ant1



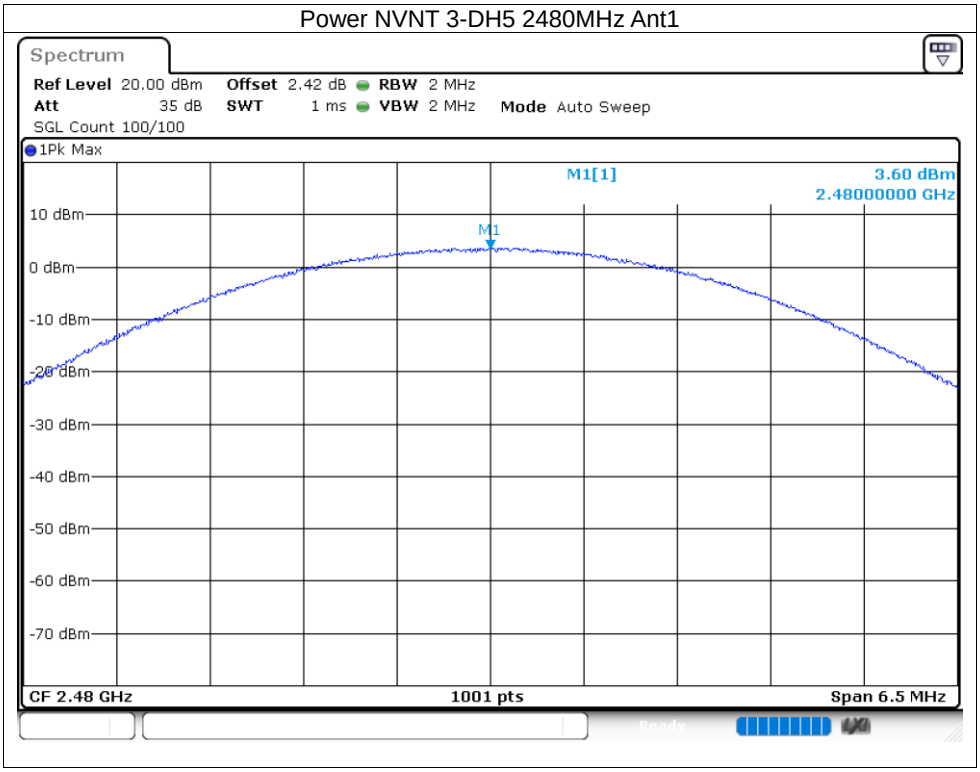
Power NVNT 3-DH5 2402MHz Ant1



Power NVNT 3-DH5 2441MHz Ant1



Power NVNT 3-DH5 2480MHz Ant1

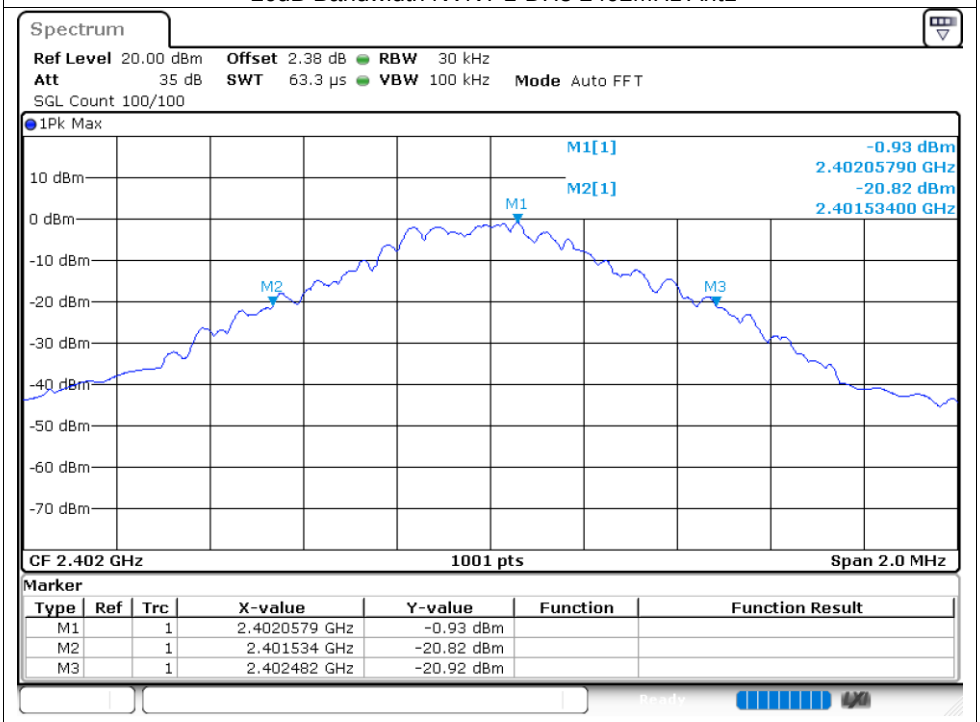


8.3 -20dB Bandwidth

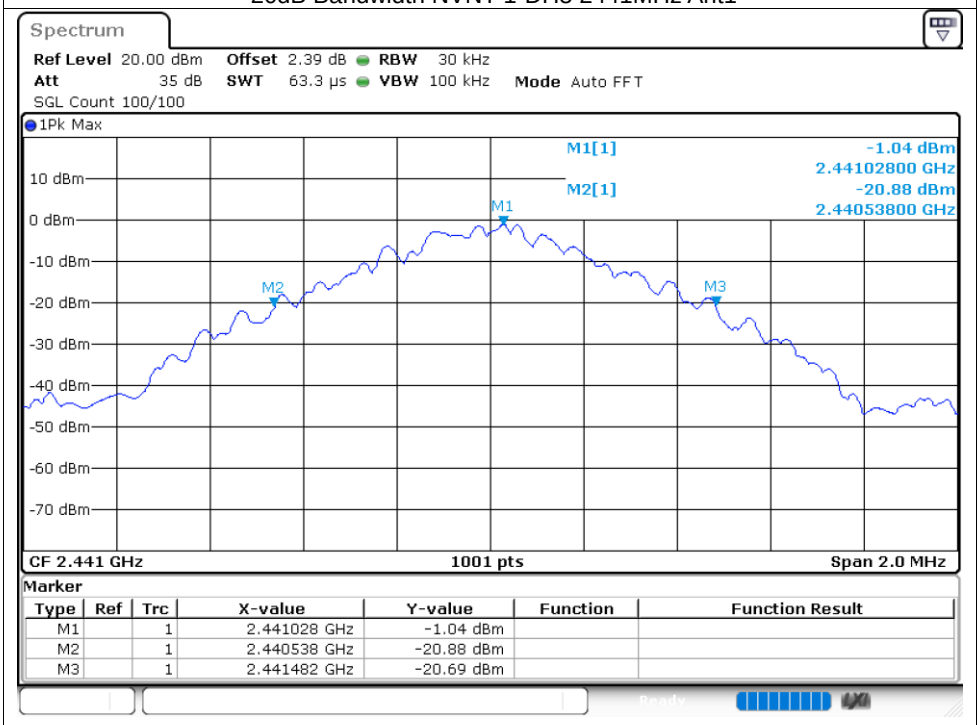
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	0.948	0	Pass
NVNT	1-DH5	2441	Ant1	0.944	0	Pass
NVNT	1-DH5	2480	Ant1	0.93	0	Pass
NVNT	2-DH5	2402	Ant1	1.33	0	Pass
NVNT	2-DH5	2441	Ant1	1.324	0	Pass
NVNT	2-DH5	2480	Ant1	1.282	0	Pass
NVNT	3-DH5	2402	Ant1	1.296	0	Pass
NVNT	3-DH5	2441	Ant1	1.274	0	Pass
NVNT	3-DH5	2480	Ant1	1.294	0	Pass

Test Graphs

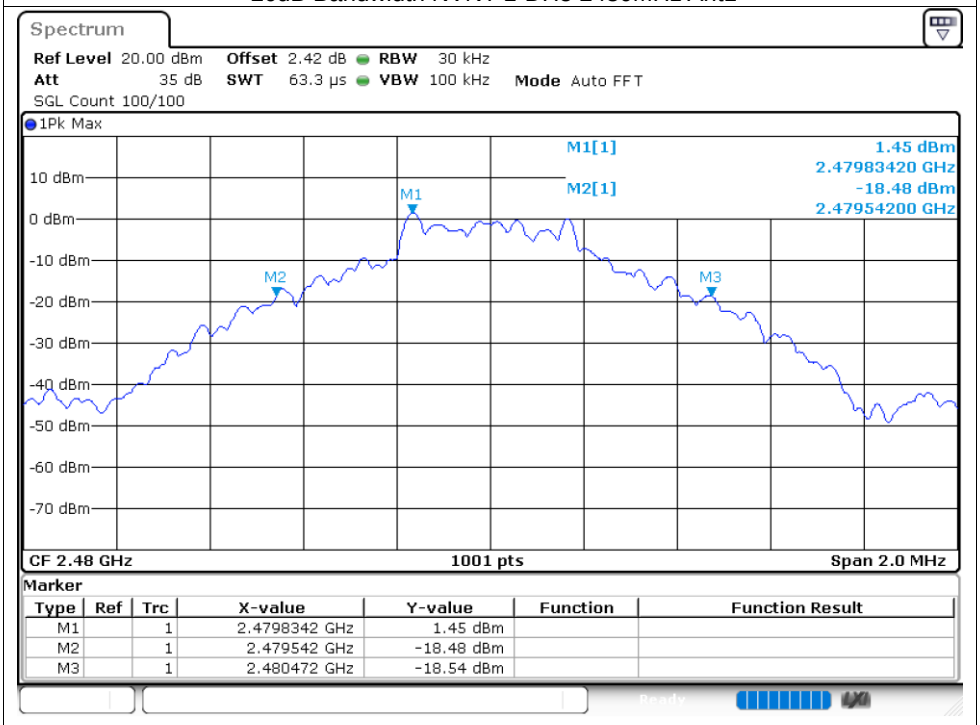
-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



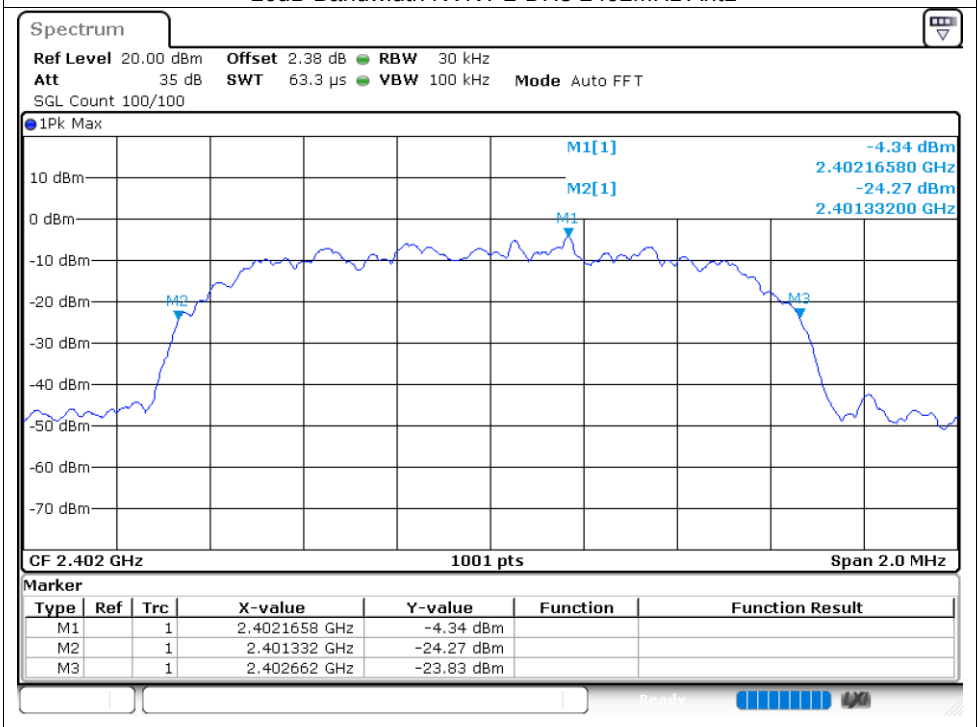
-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1



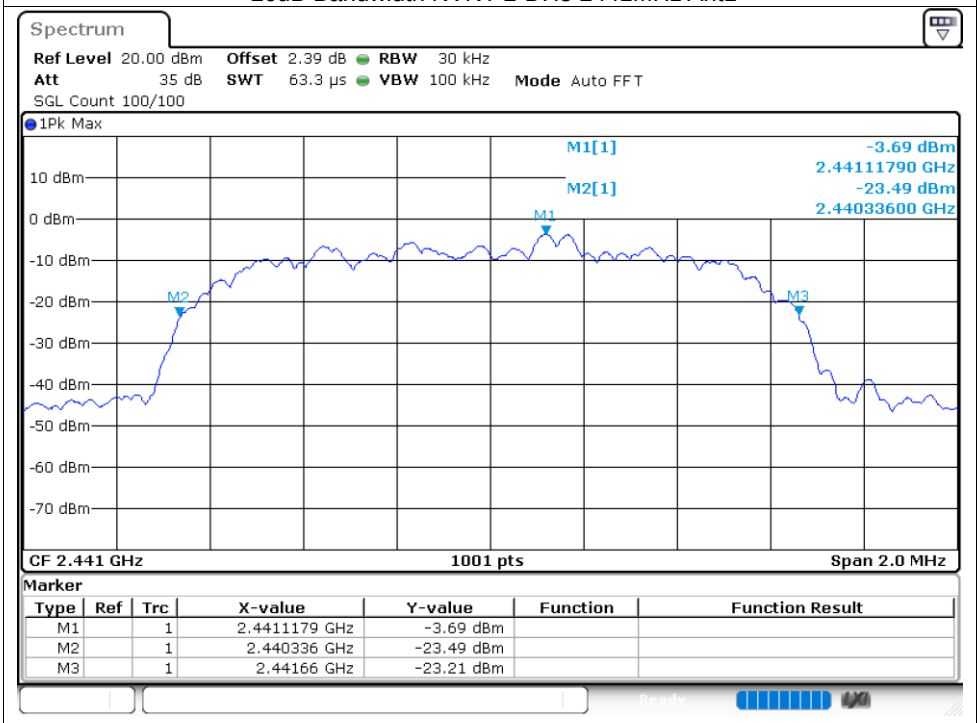
-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



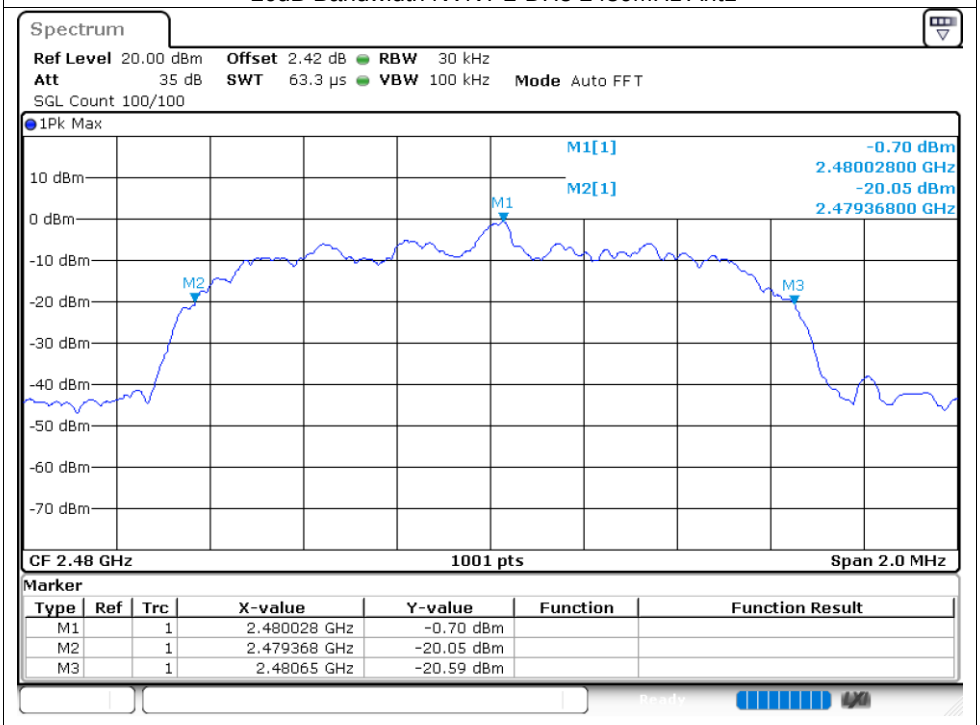
-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1



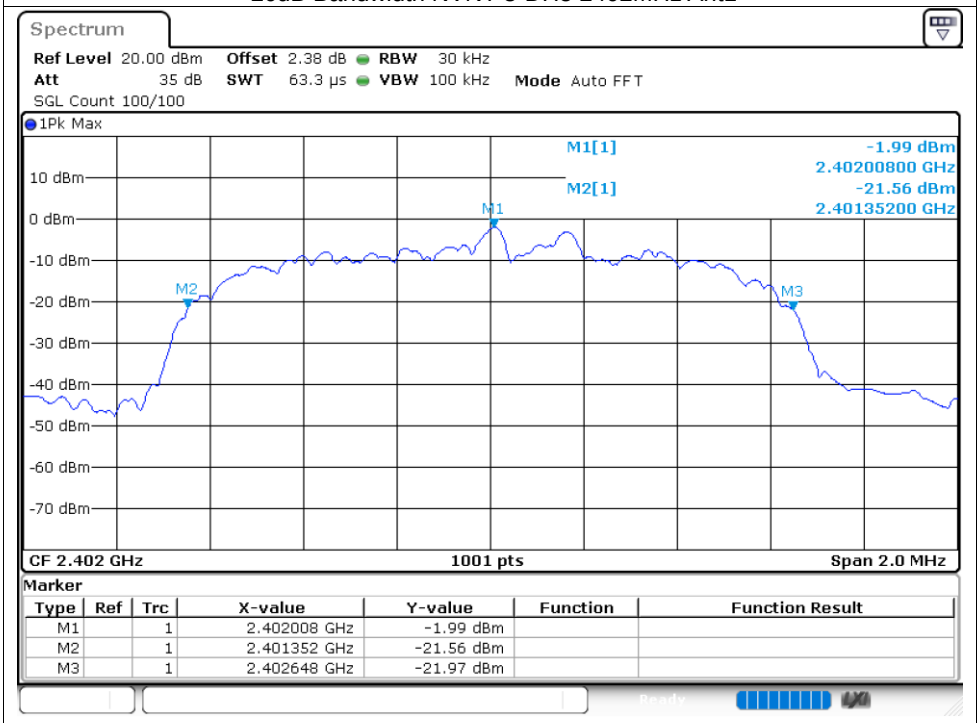
-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



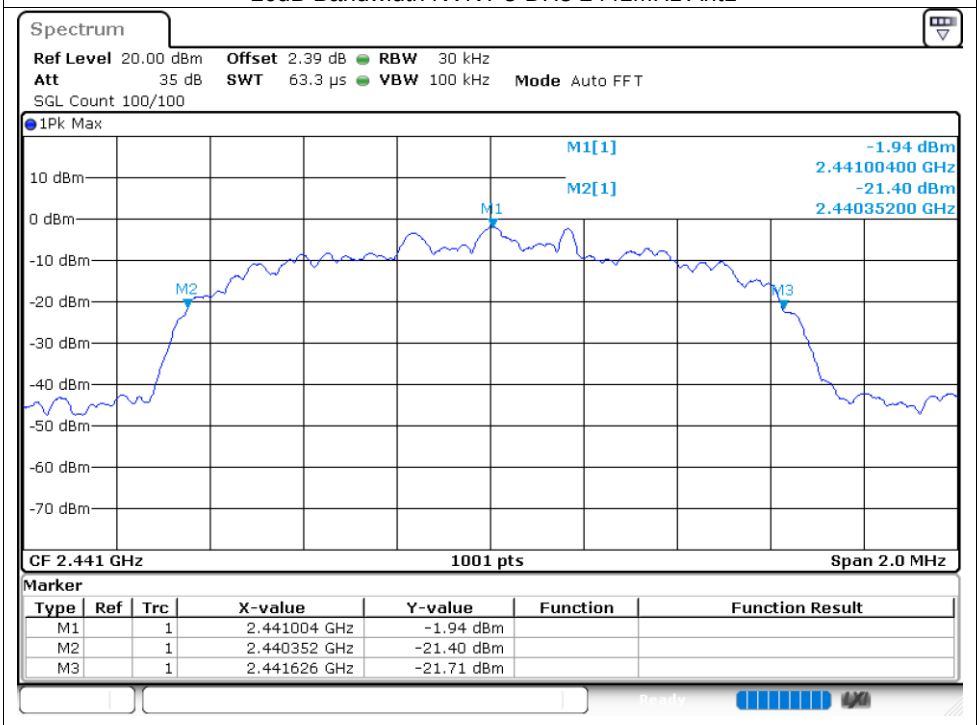
-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1



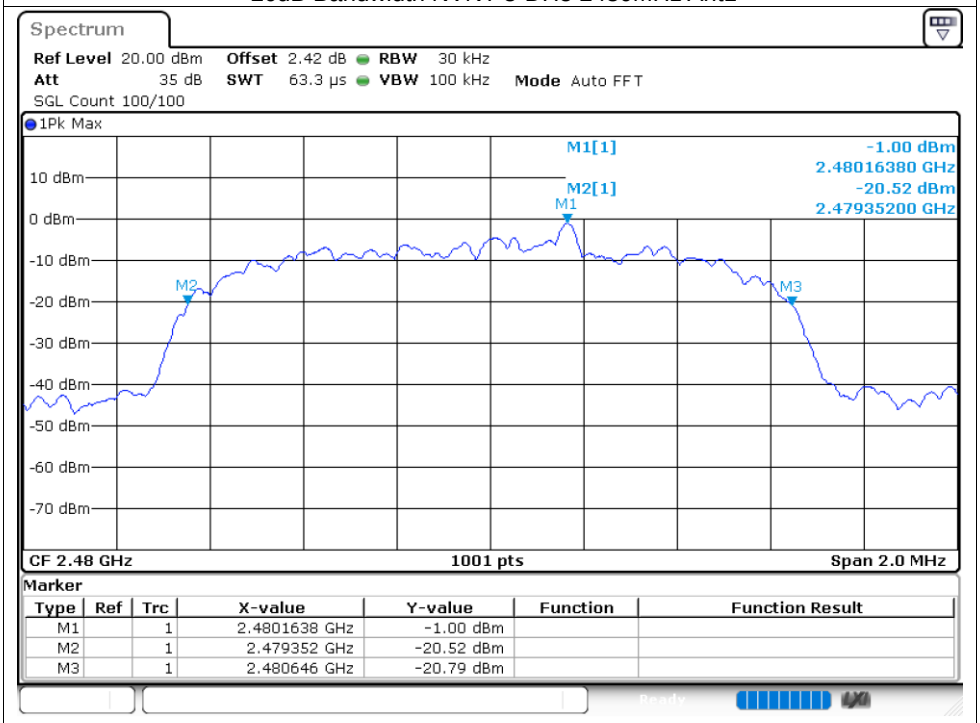
-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2480MHz Ant1

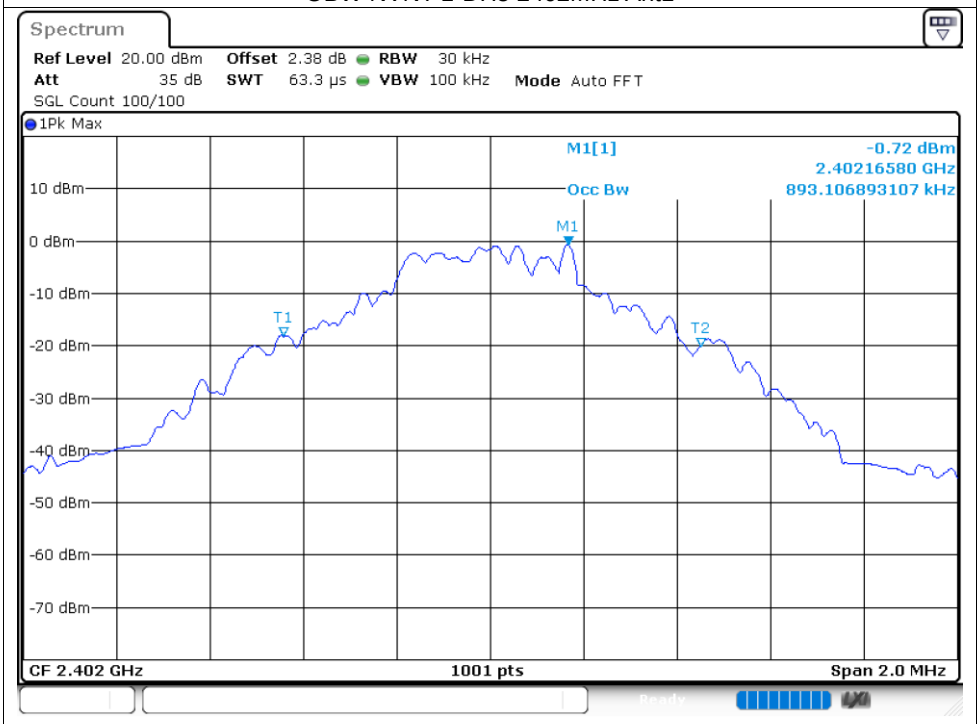


8.4 OCCUPIED CHANNEL BANDWIDTH

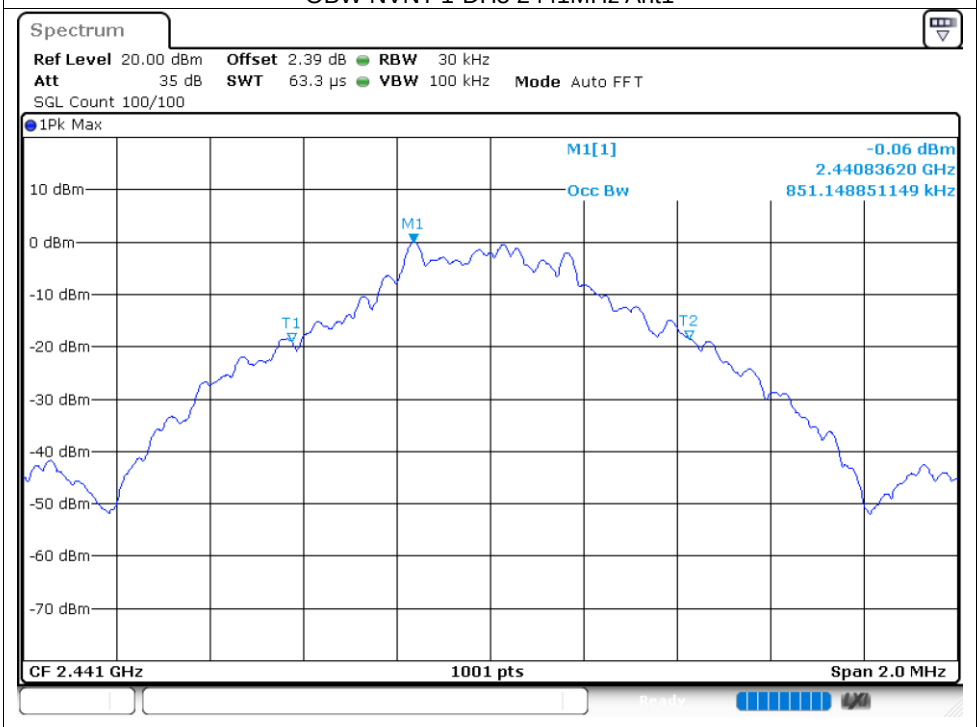
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH5	2402	Ant1	0.893
NVNT	1-DH5	2441	Ant1	0.851
NVNT	1-DH5	2480	Ant1	0.859
NVNT	2-DH5	2402	Ant1	1.171
NVNT	2-DH5	2441	Ant1	1.179
NVNT	2-DH5	2480	Ant1	1.191
NVNT	3-DH5	2402	Ant1	1.191
NVNT	3-DH5	2441	Ant1	1.193
NVNT	3-DH5	2480	Ant1	1.191

Test Graphs

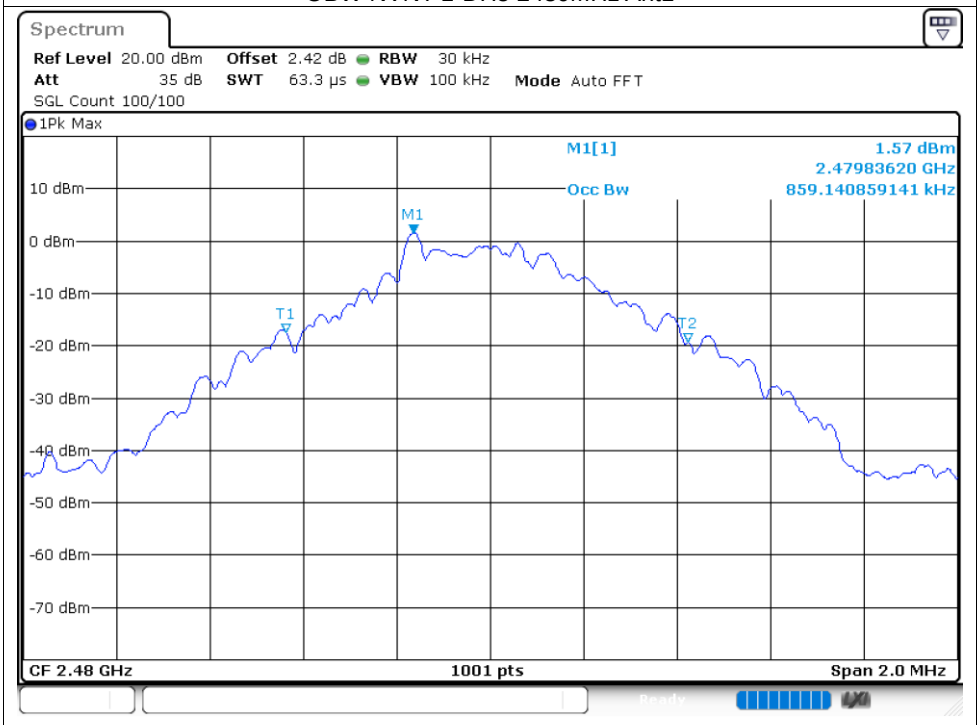
OBW NVNT 1-DH5 2402MHz Ant1



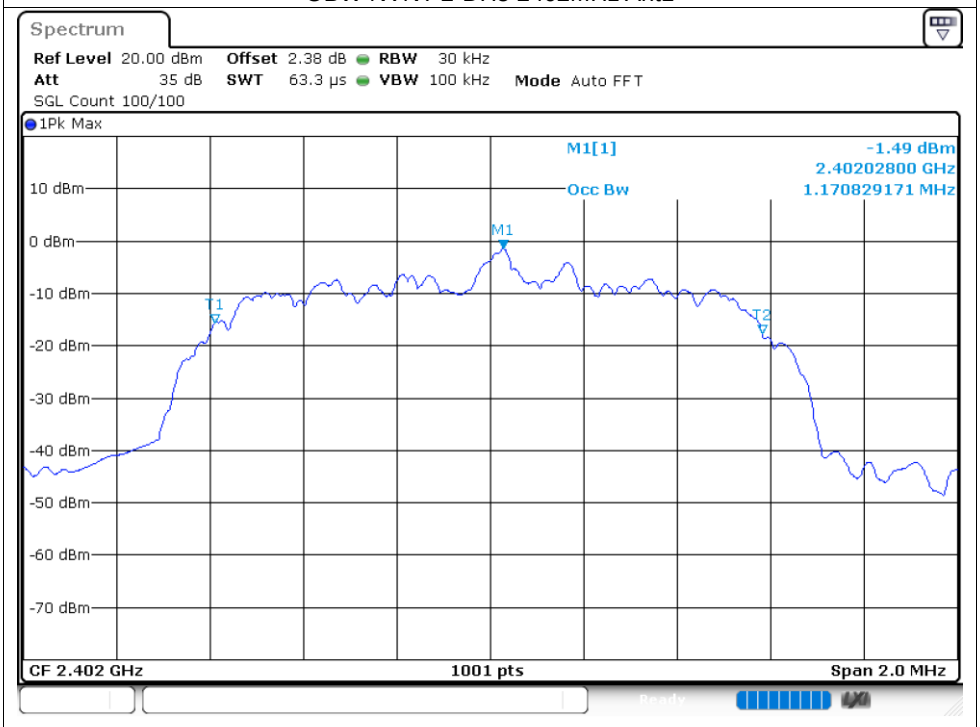
OBW NVNT 1-DH5 2441MHz Ant1



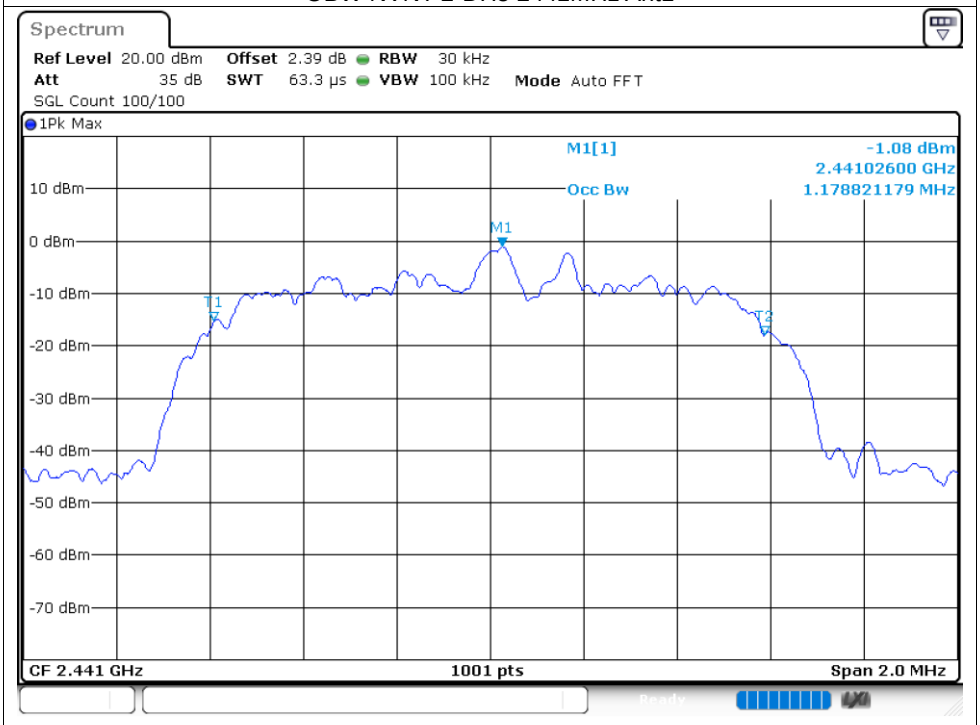
OBW NVNT 1-DH5 2480MHz Ant1



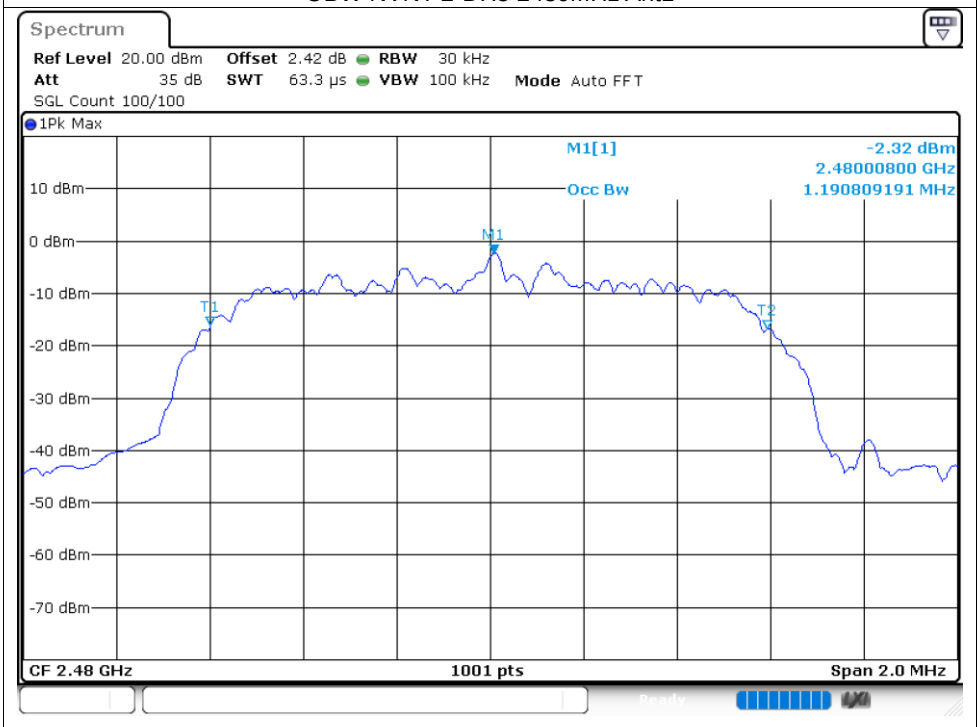
OBW NVNT 2-DH5 2402MHz Ant1



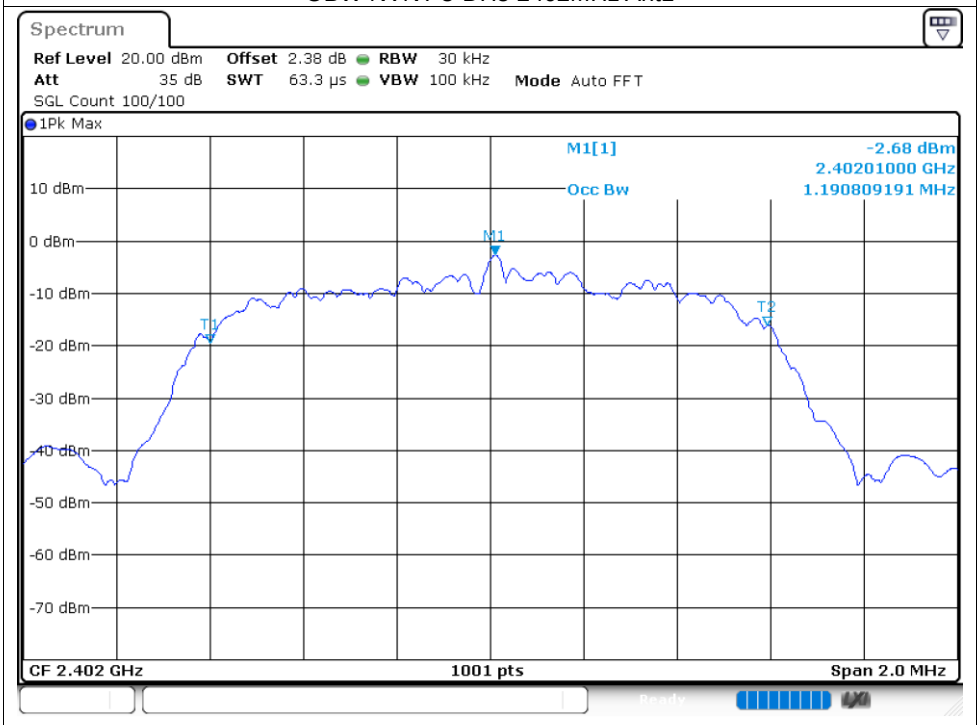
OBW NVNT 2-DH5 2441MHz Ant1



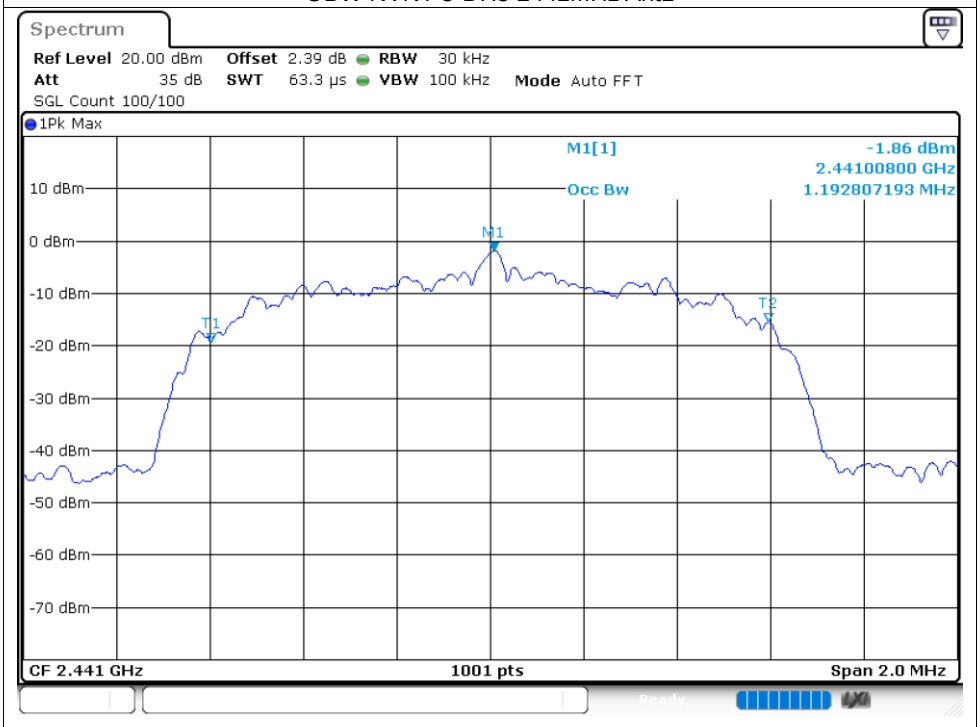
OBW NVNT 2-DH5 2480MHz Ant1



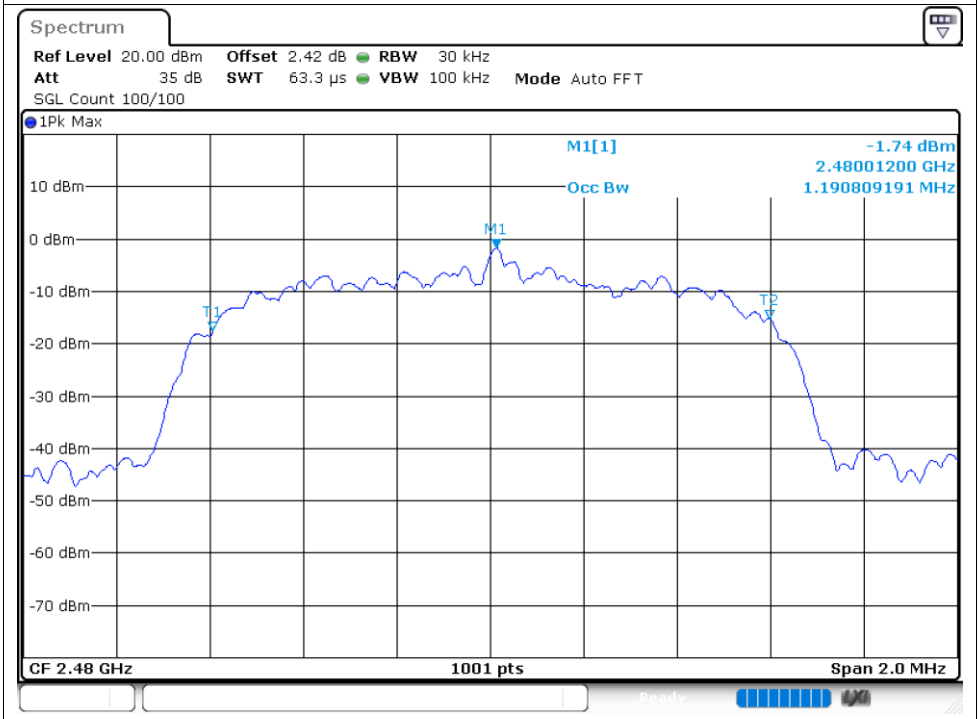
OBW NVNT 3-DH5 2402MHz Ant1



OBW NVNT 3-DH5 2441MHz Ant1



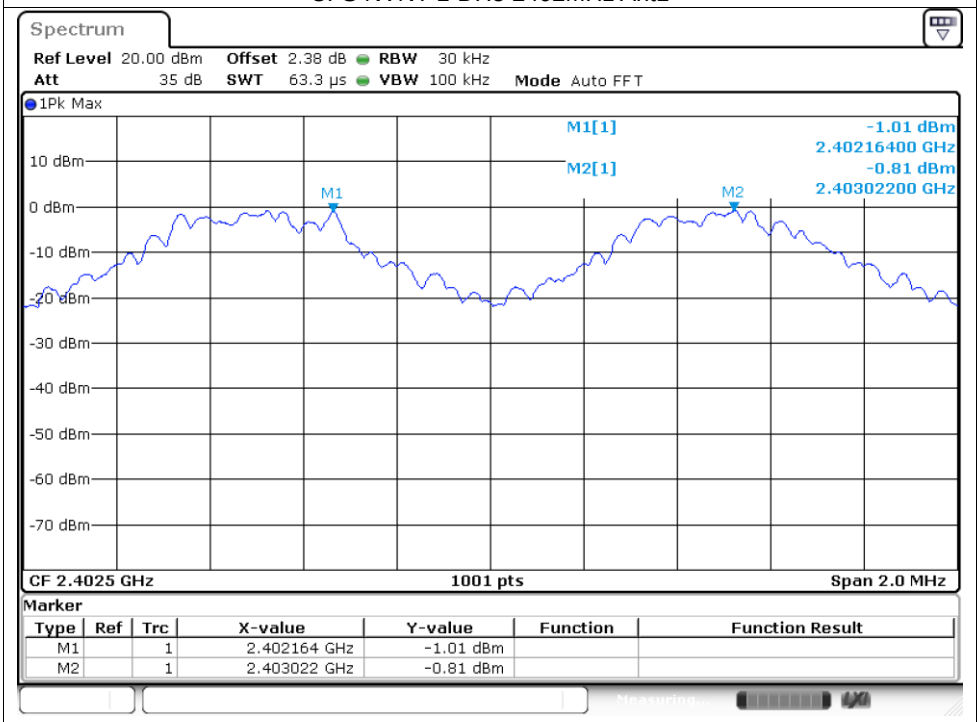
OBW NVNT 3-DH5 2480MHz Ant1



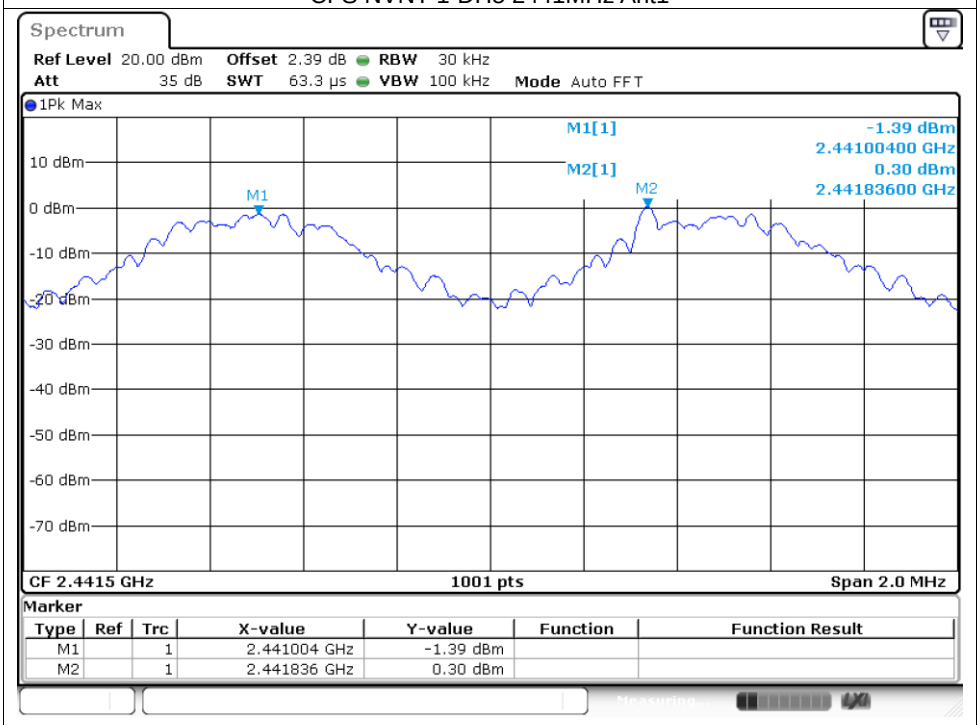
8.5 CARRIER FREQUENCIES SEPARATION

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2402.164	2403.022	0.858	0.632	Pass
NVNT	1-DH5	Ant1	2441.004	2441.836	0.832	0.629	Pass
NVNT	1-DH5	Ant1	2479.026	2479.836	0.81	0.62	Pass
NVNT	2-DH5	Ant1	2402.012	2403.01	0.998	0.887	Pass
NVNT	2-DH5	Ant1	2441.014	2442.01	0.996	0.883	Pass
NVNT	2-DH5	Ant1	2479.011	2480.077	1.066	0.855	Pass
NVNT	3-DH5	Ant1	2402	2403.028	1.028	0.864	Pass
NVNT	3-DH5	Ant1	2440.977	2441.977	1	0.849	Pass
NVNT	3-DH5	Ant1	2479.026	2480.008	0.982	0.863	Pass

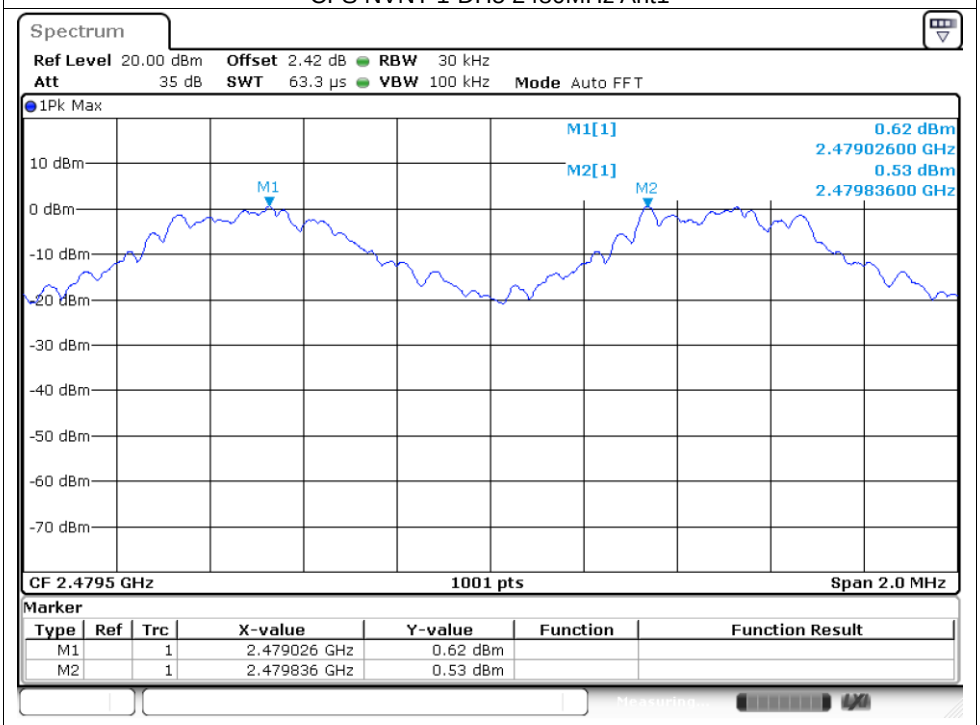
Test Graphs
CFS NVNT 1-DH5 2402MHz Ant1



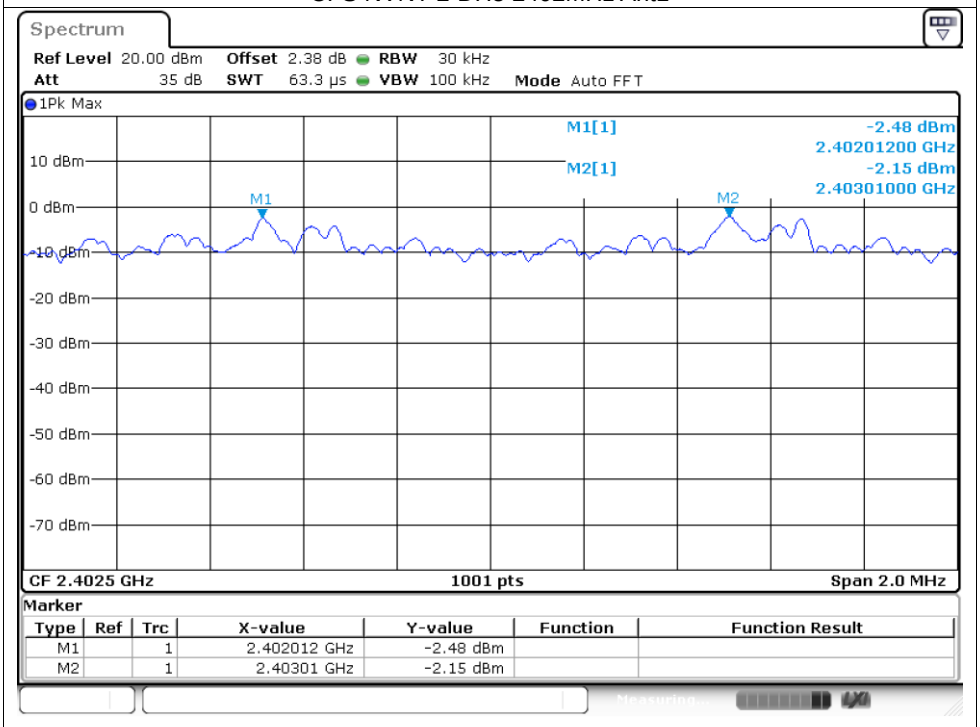
CFS NVNT 1-DH5 2441MHz Ant1



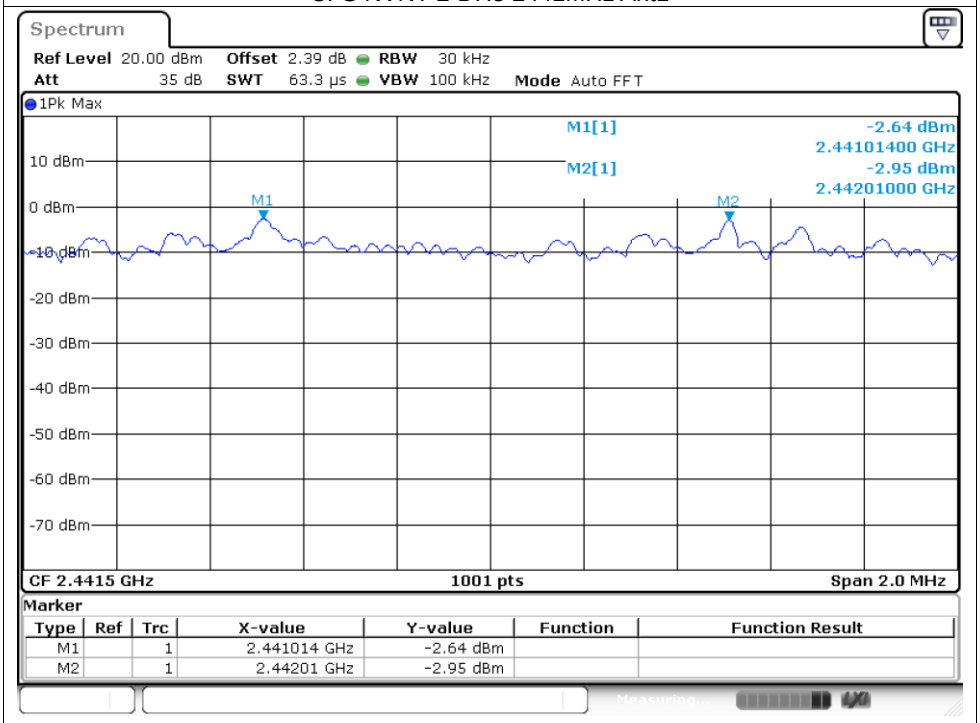
CFS NVNT 1-DH5 2480MHz Ant1



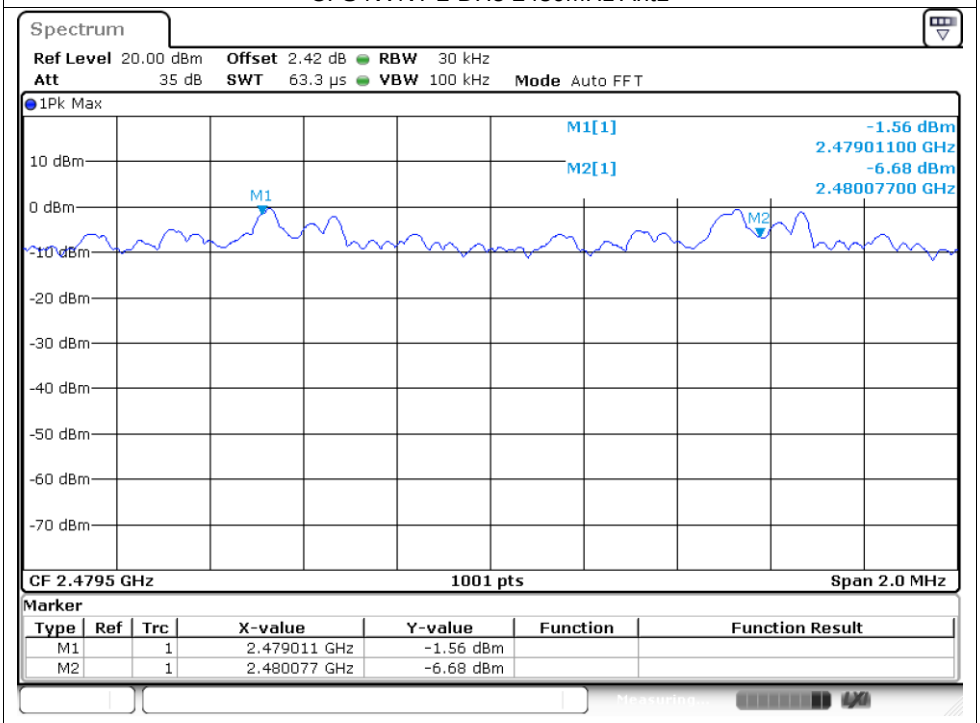
CFS NVNT 2-DH5 2402MHz Ant1



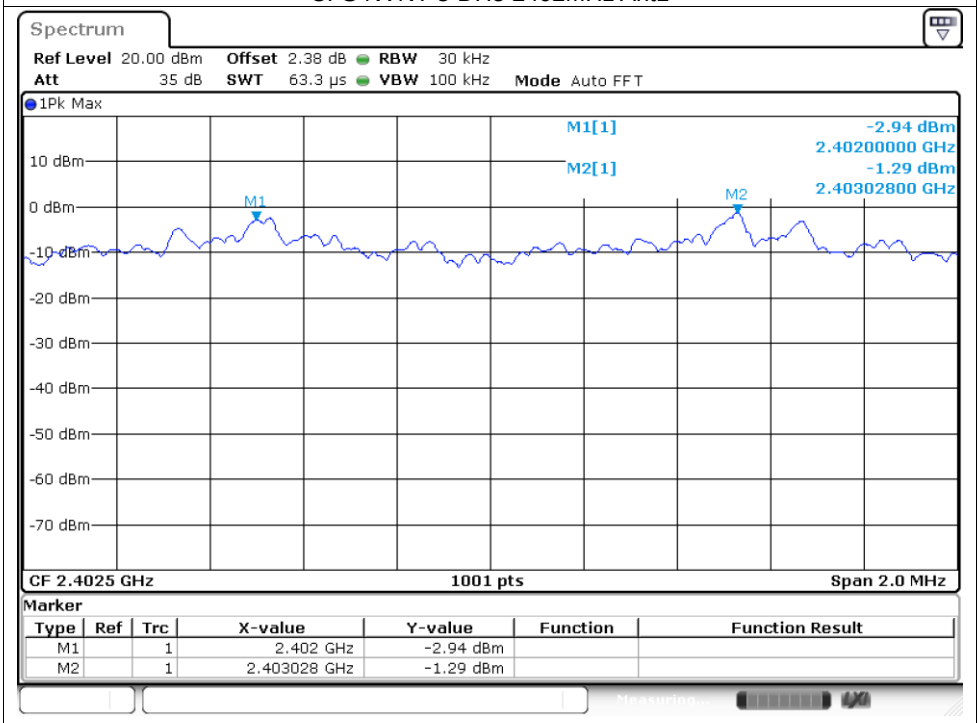
CFS NVNT 2-DH5 2441MHz Ant1



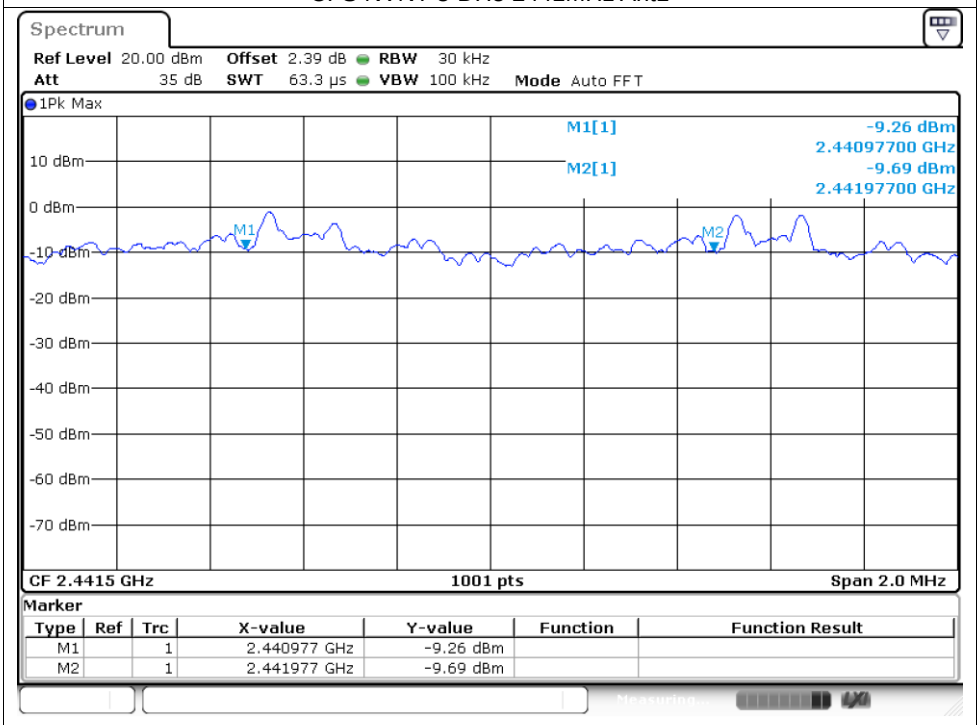
CFS NVNT 2-DH5 2480MHz Ant1



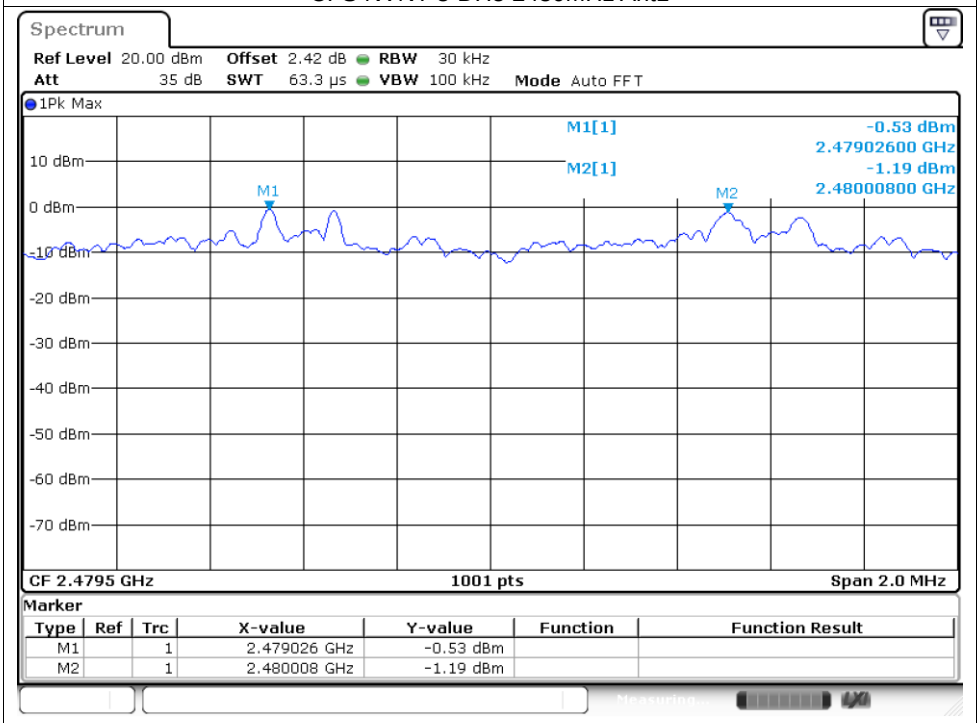
CFS NVNT 3-DH5 2402MHz Ant1



CFS NVNT 3-DH5 2441MHz Ant1



CFS NVNT 3-DH5 2480MHz Ant1

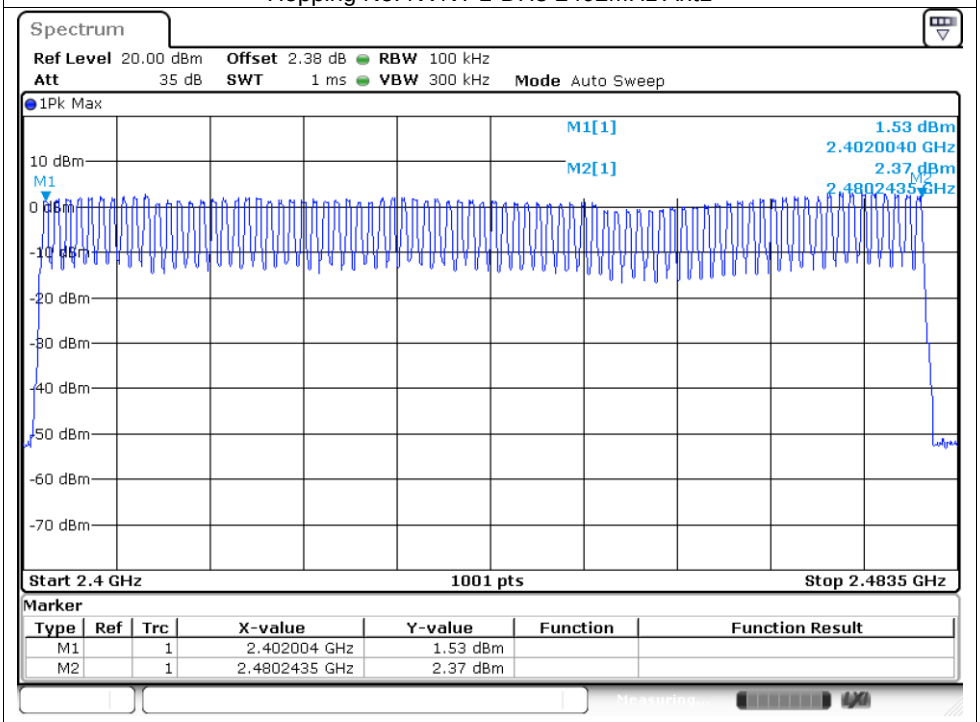


8.6 NUMBER OF HOPPING CHANNEL

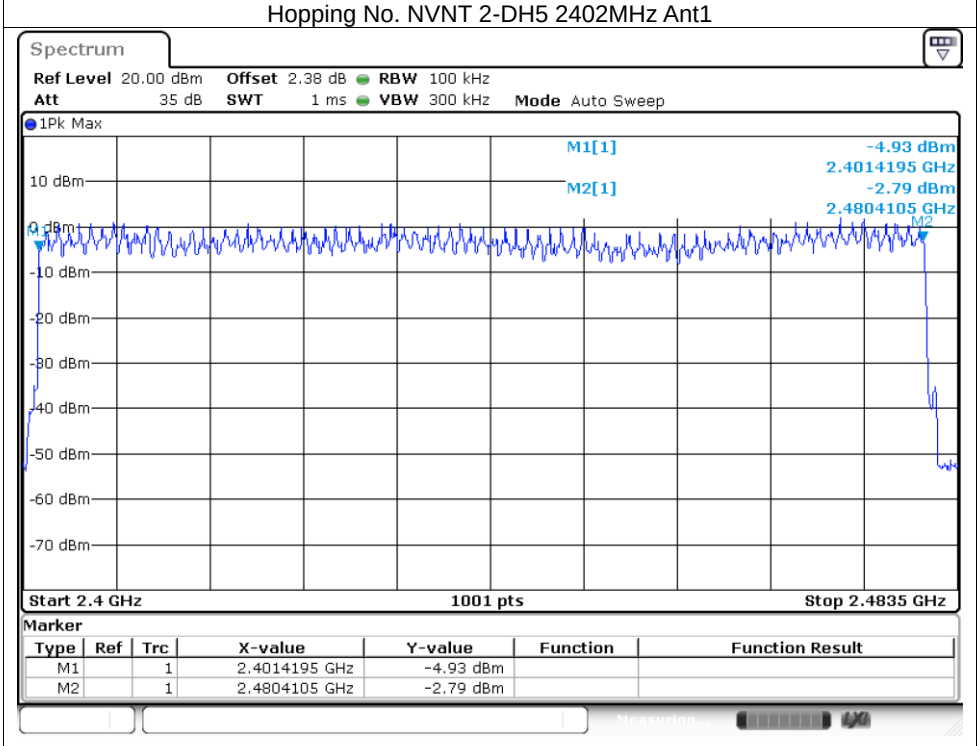
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass
NVNT	2-DH5	Ant1	79	15	Pass
NVNT	3-DH5	Ant1	79	15	Pass

Test Graphs

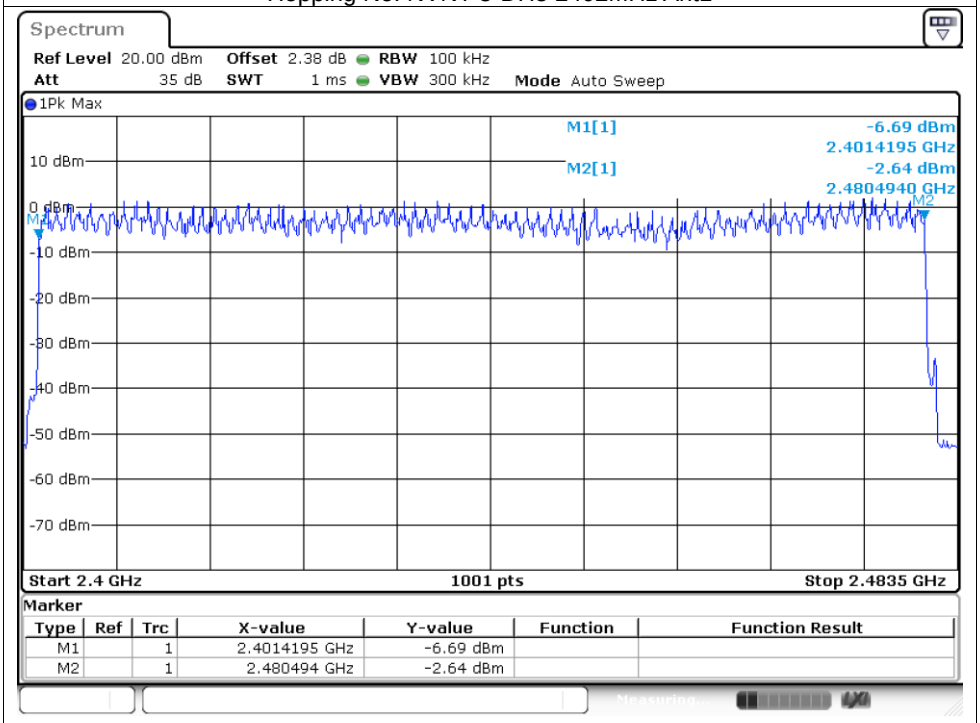
Hopping No. NVNT 1-DH5 2402MHz Ant1



Hopping No. NVNT 2-DH5 2402MHz Ant1



Hopping No. NVNT 3-DH5 2402MHz Ant1

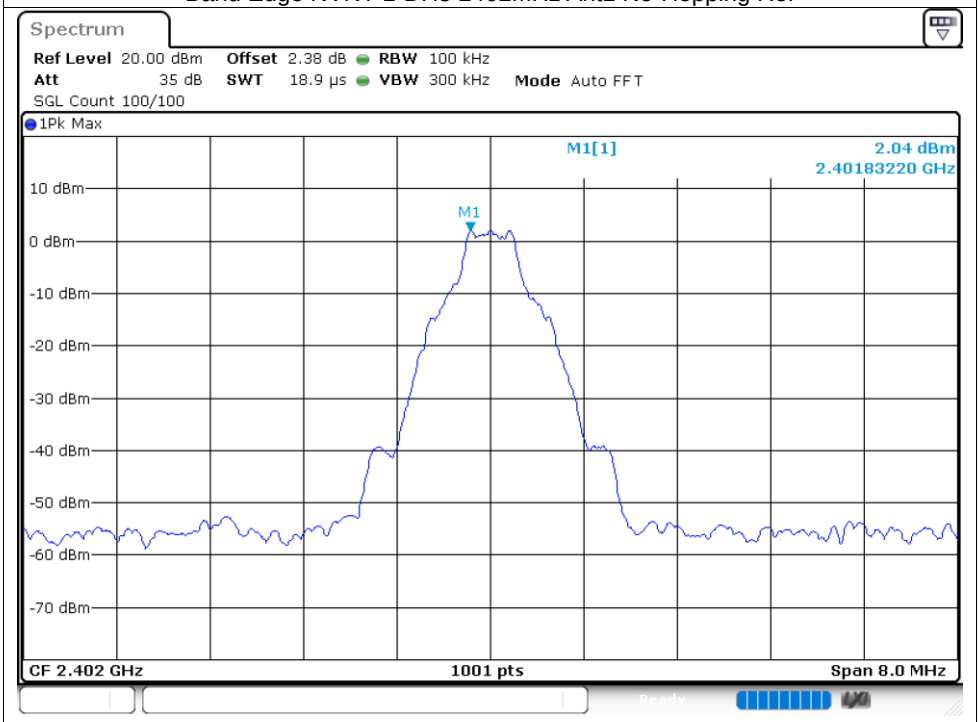


8.7 BAND EDGE

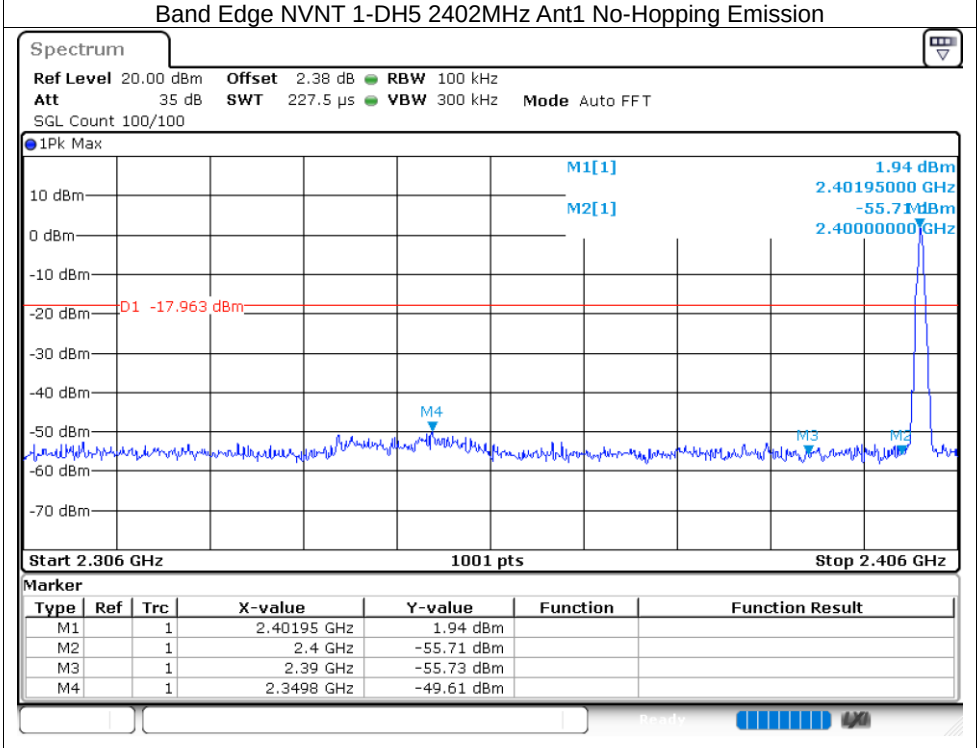
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-51.65	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-54.81	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-50.64	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-53.09	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-50.97	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-51.82	-20	Pass

Test Graphs

Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Ref



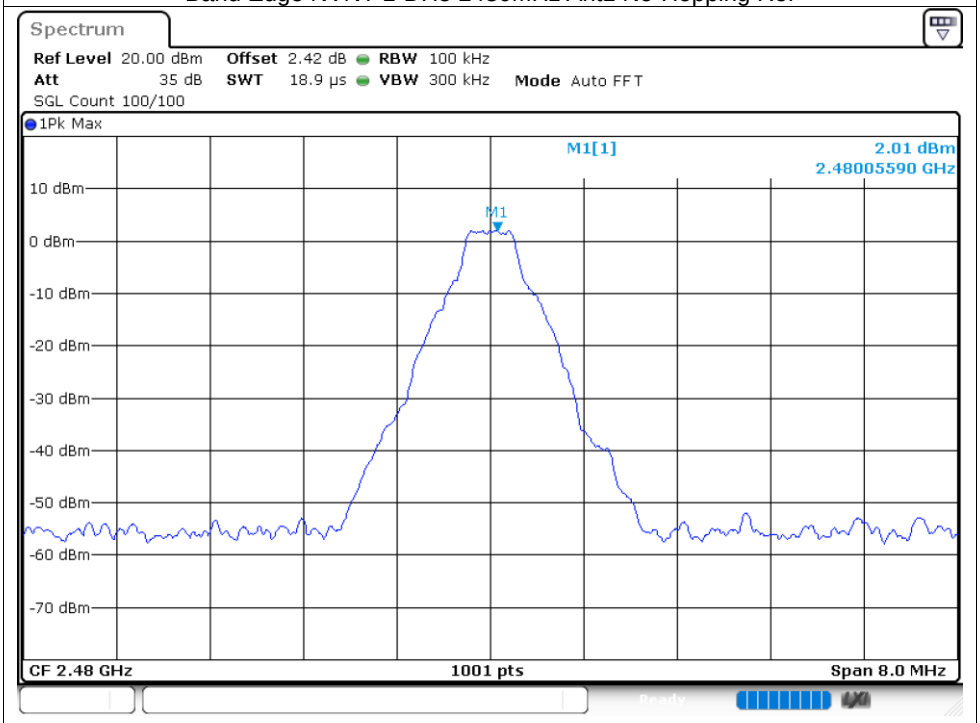
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission



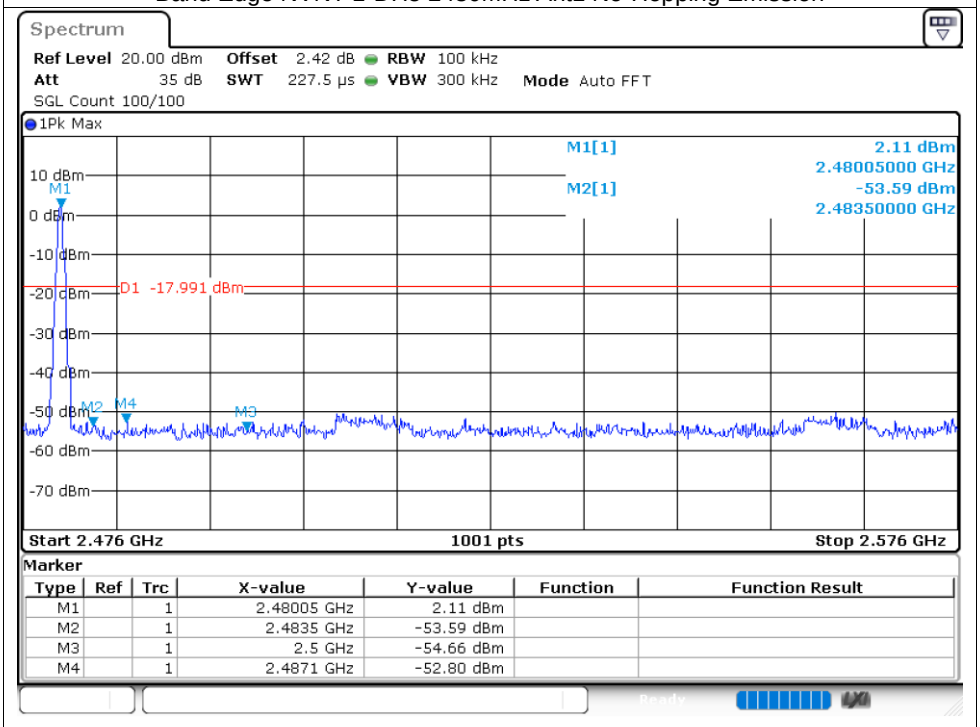
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.40195 GHz	1.94 dBm		
M2		1	2.4 GHz	-55.71 dBm		
M3		1	2.39 GHz	-55.73 dBm		
M4		1	2.3498 GHz	-49.61 dBm		

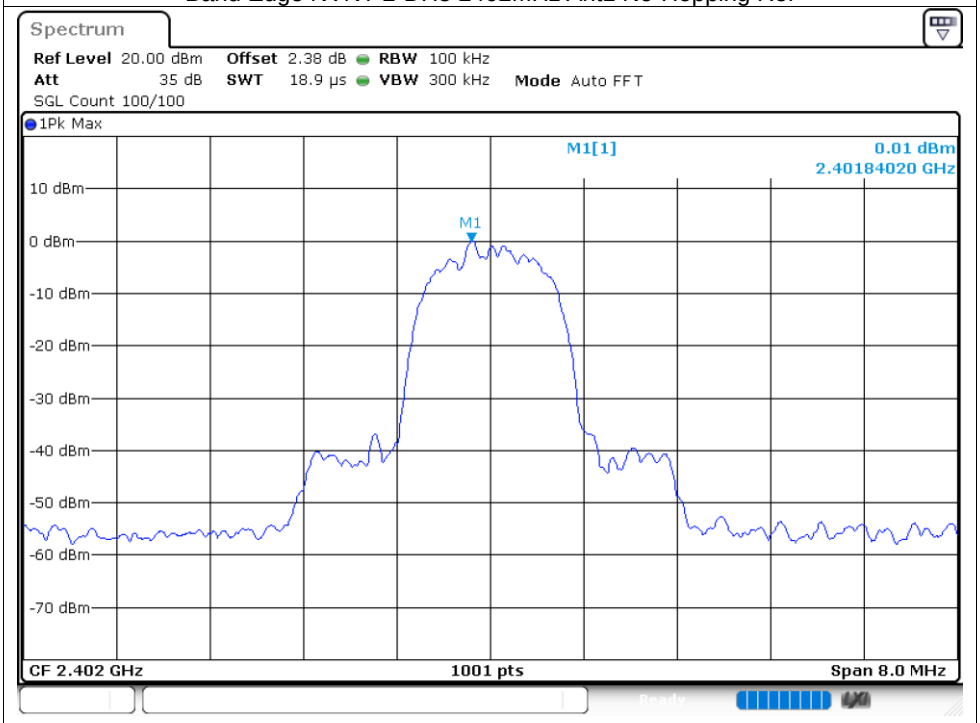
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref



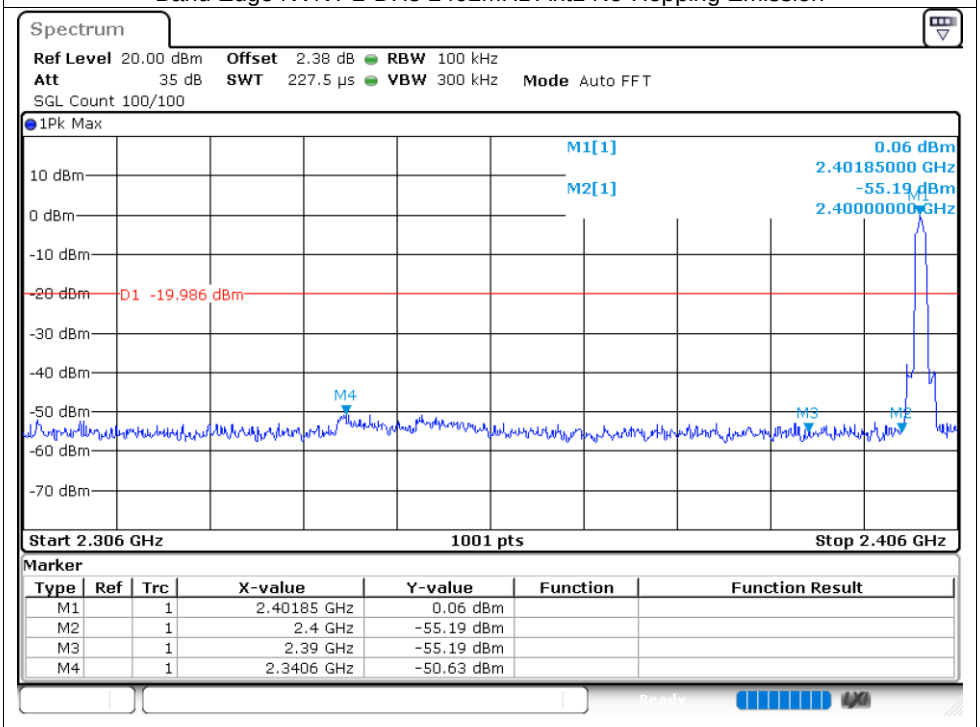
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission



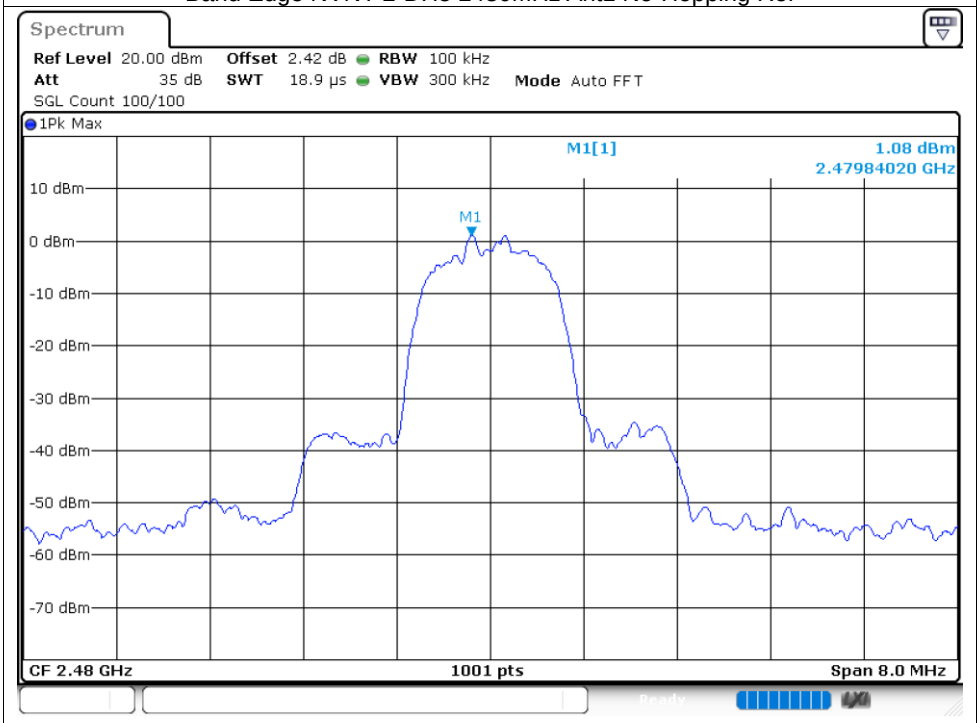
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref



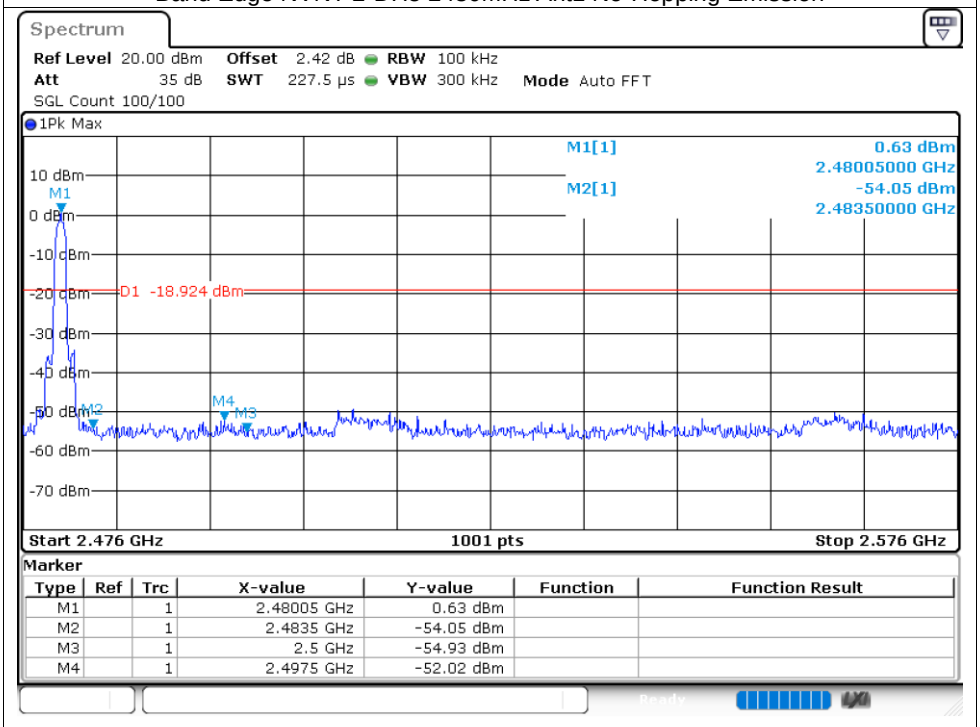
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission



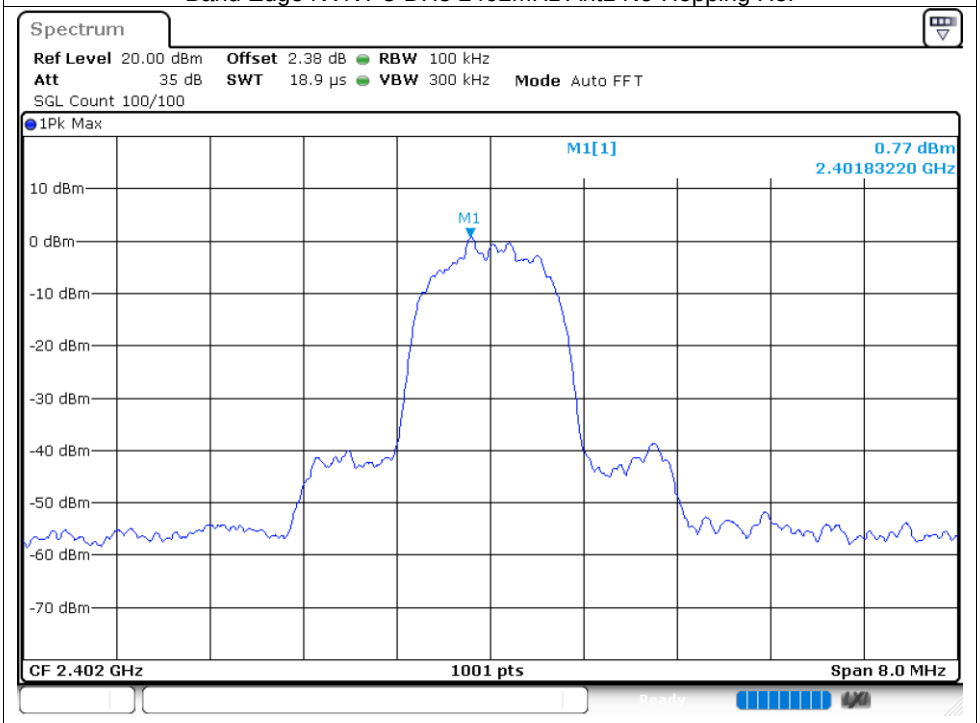
Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref



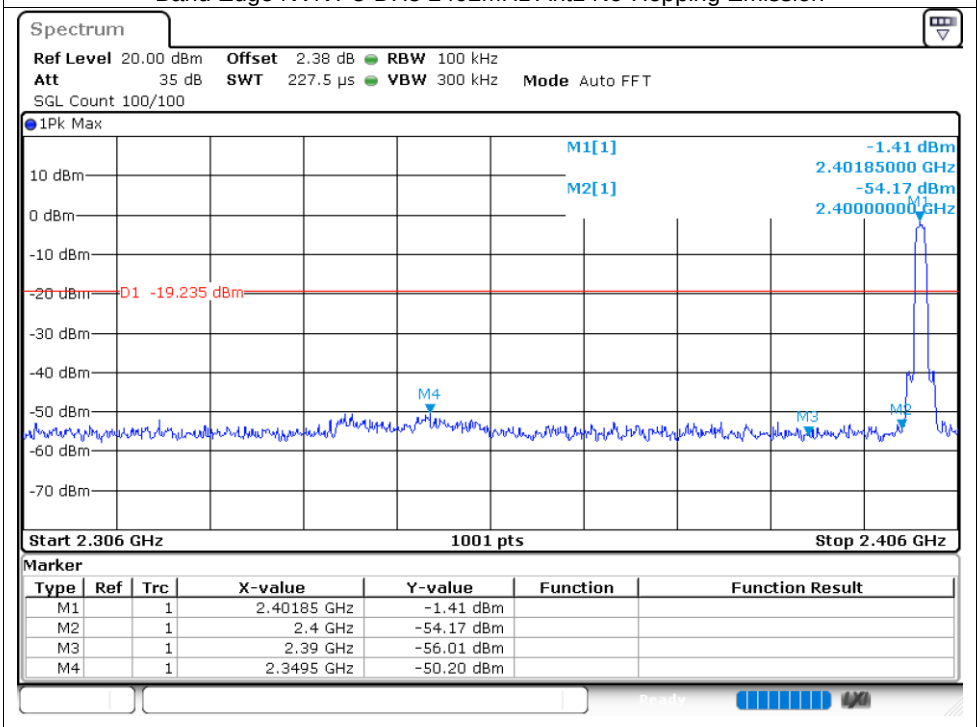
Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission



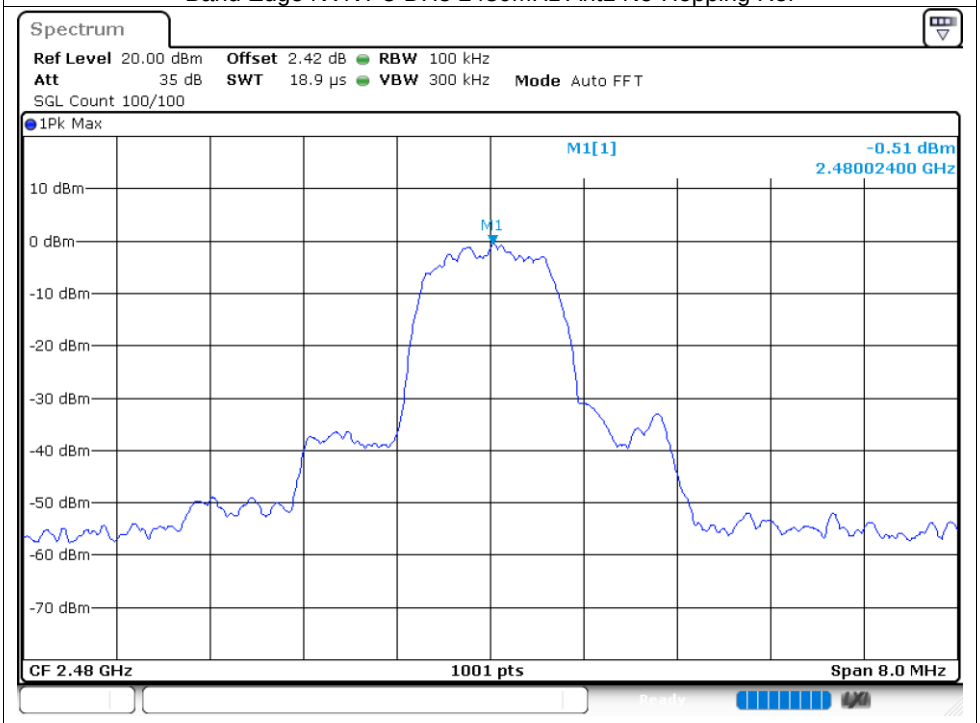
Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref



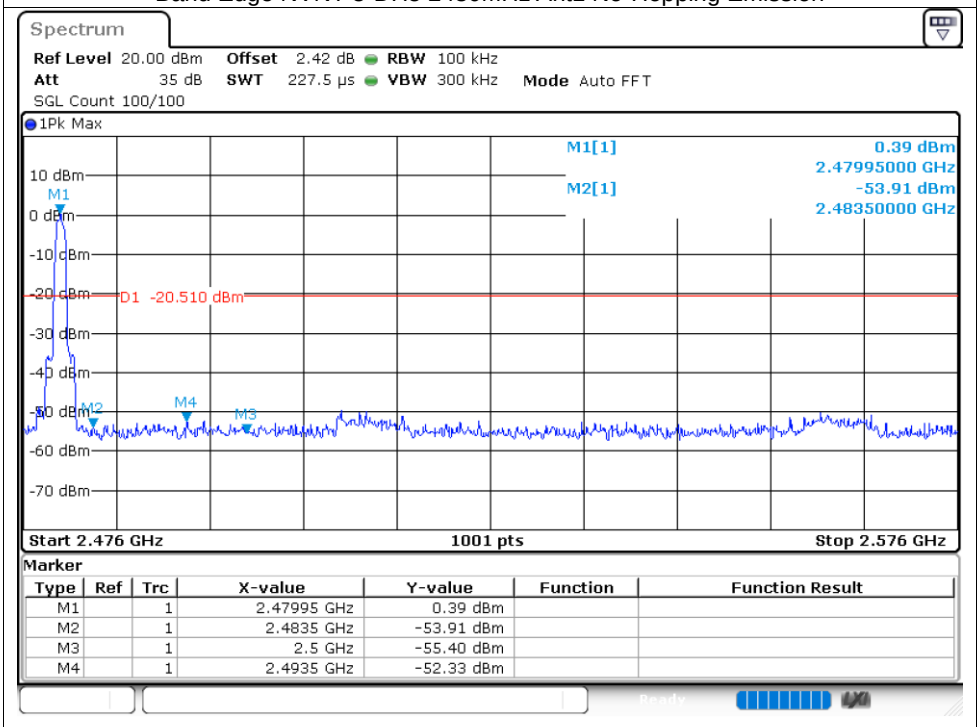
Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Emission



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



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

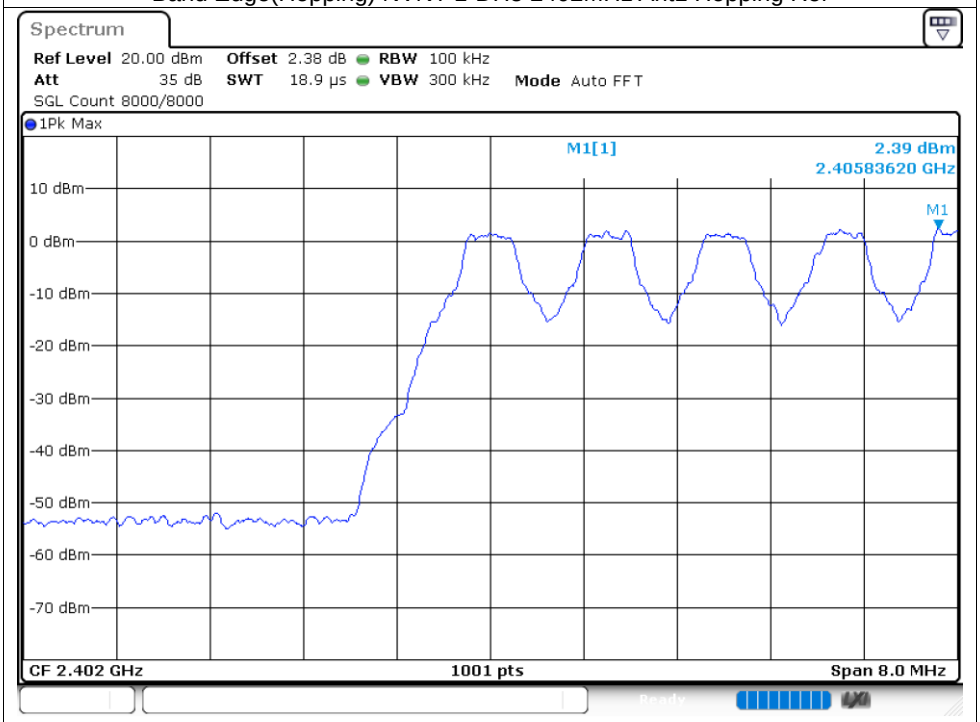


8.8 BAND EDGE(HOPPING)

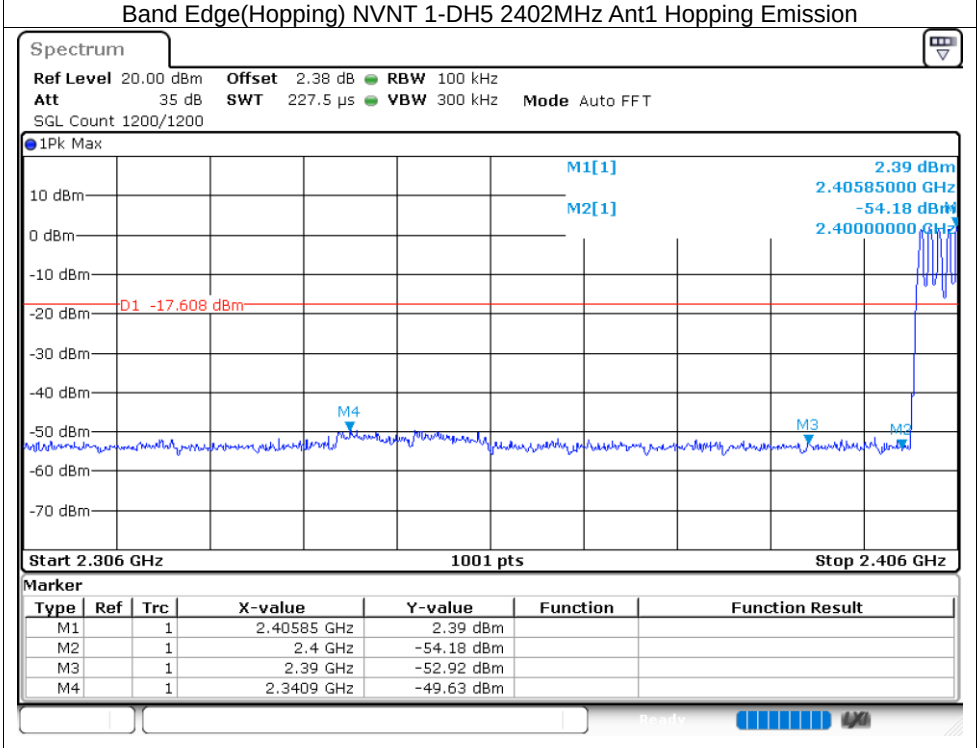
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-52.02	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-54.29	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-50.26	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-52.88	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-50.34	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-52.22	-20	Pass

Test Graphs

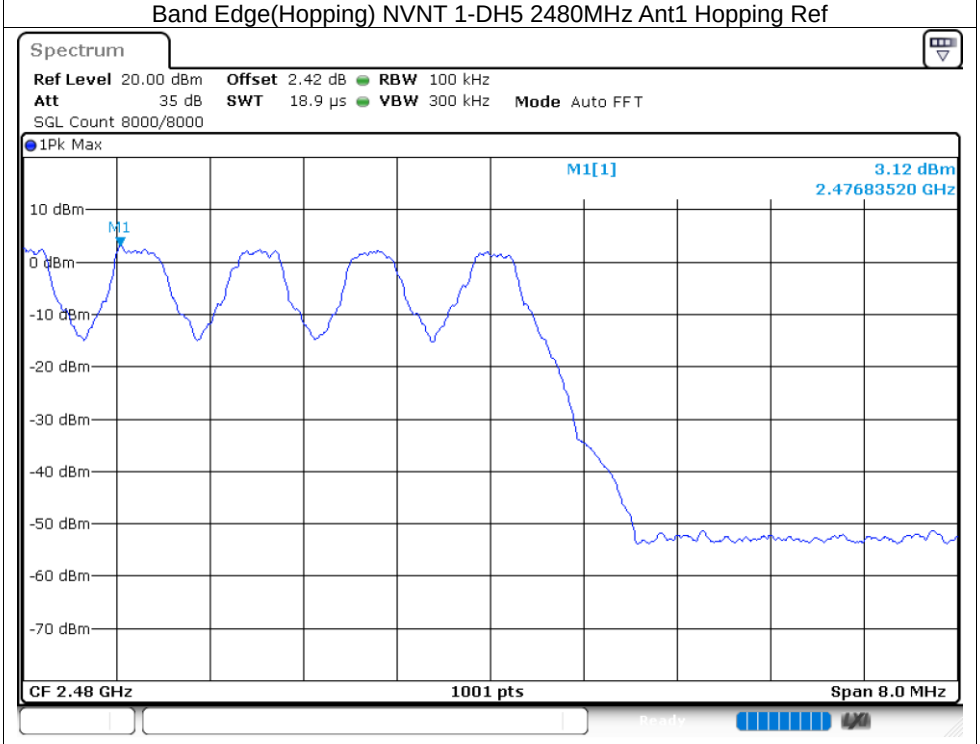
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Ref



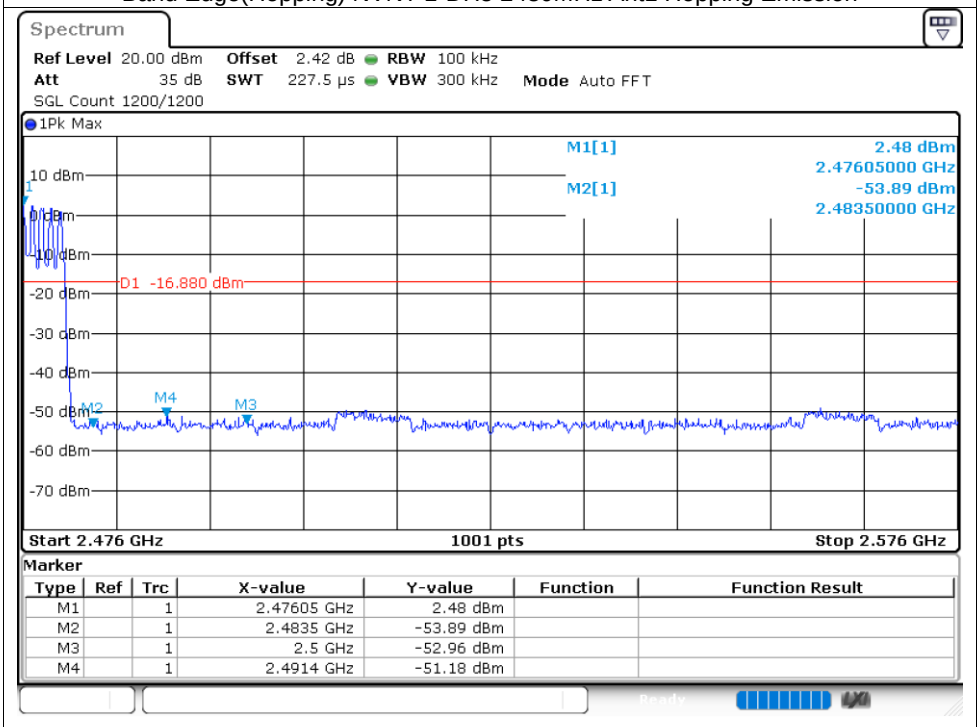
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission



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



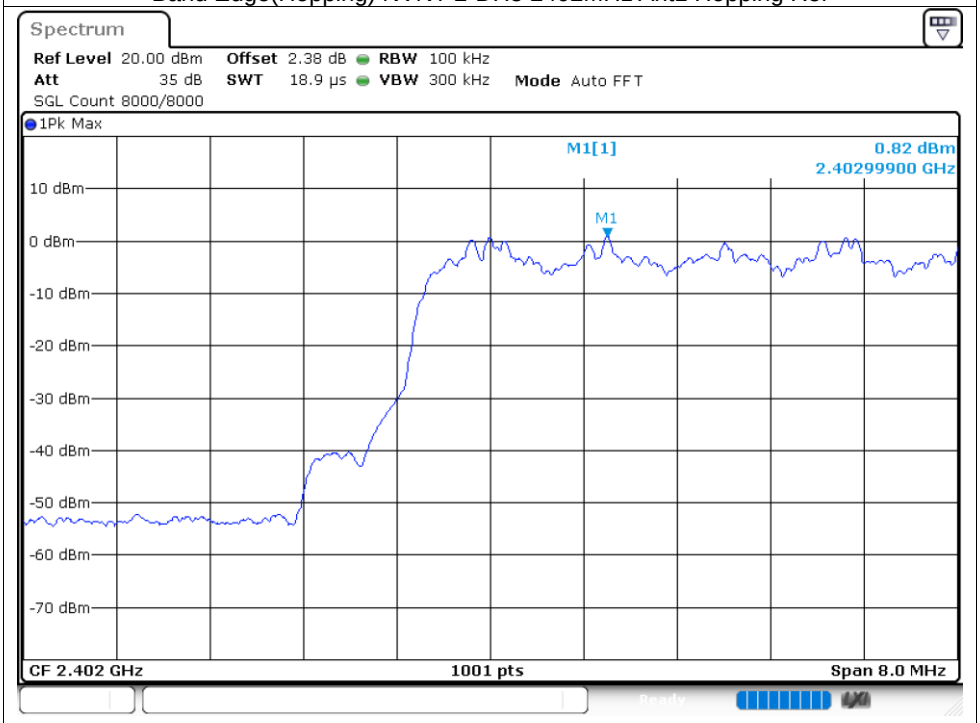
Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Emission



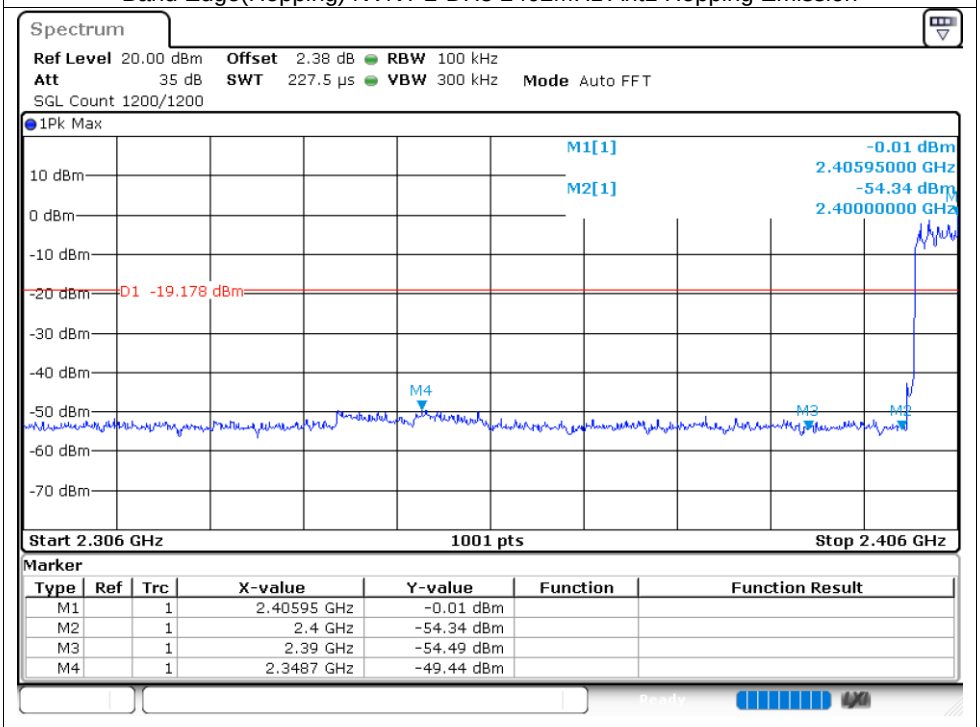
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.47605 GHz	2.48 dBm		
M2		1	2.4835 GHz	-53.89 dBm		
M3		1	2.5 GHz	-52.96 dBm		
M4		1	2.4914 GHz	-51.18 dBm		

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



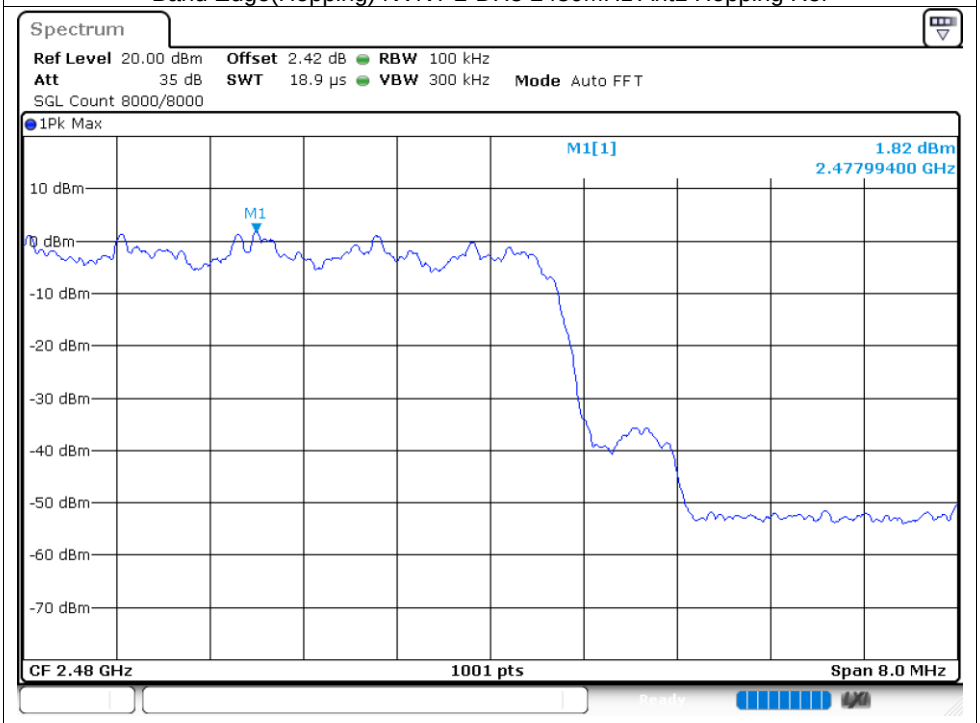
Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Emission



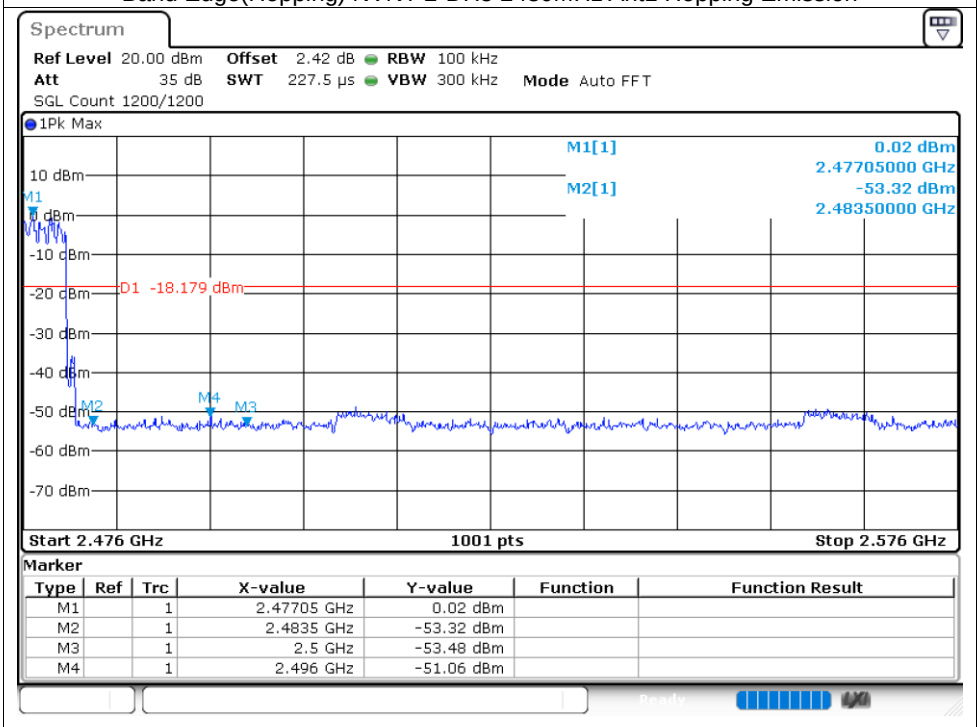
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.40595 GHz	-0.01 dBm		
M2		1	2.4 GHz	-54.34 dBm		
M3		1	2.39 GHz	-54.49 dBm		
M4		1	2.3487 GHz	-49.44 dBm		

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



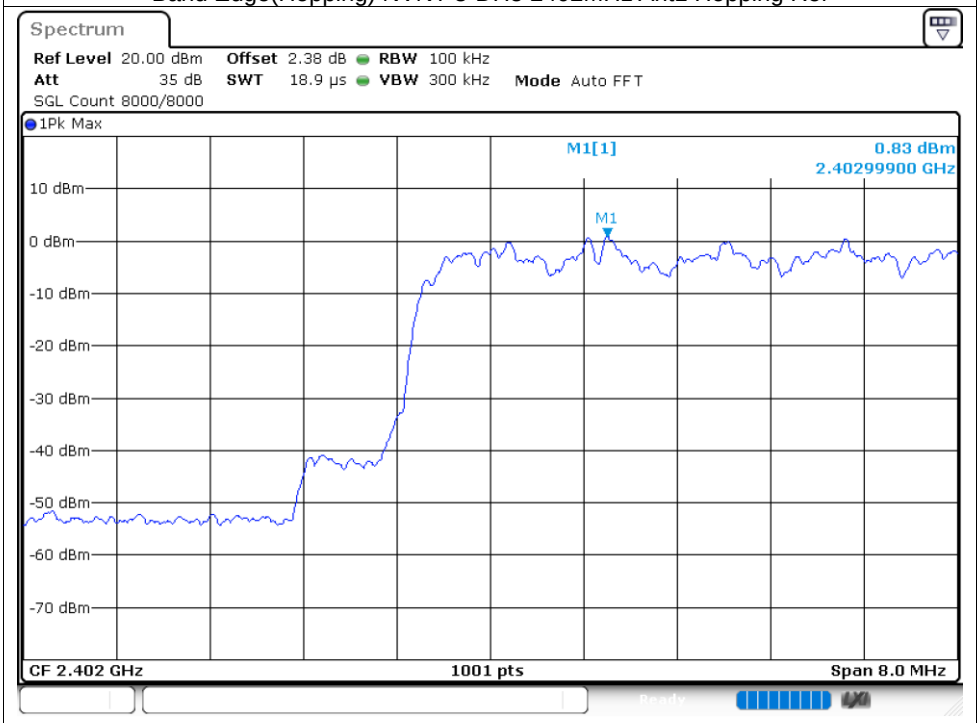
Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Emission



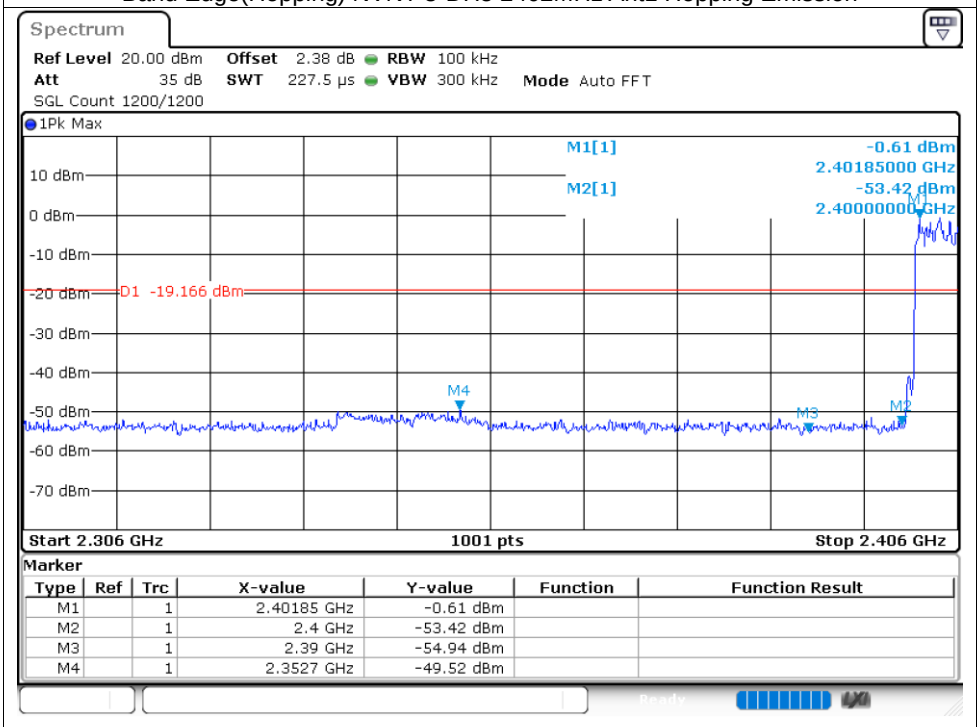
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.47705 GHz	0.02 dBm		
M2		1	2.4835 GHz	-53.32 dBm		
M3		1	2.5 GHz	-53.48 dBm		
M4		1	2.496 GHz	-51.06 dBm		

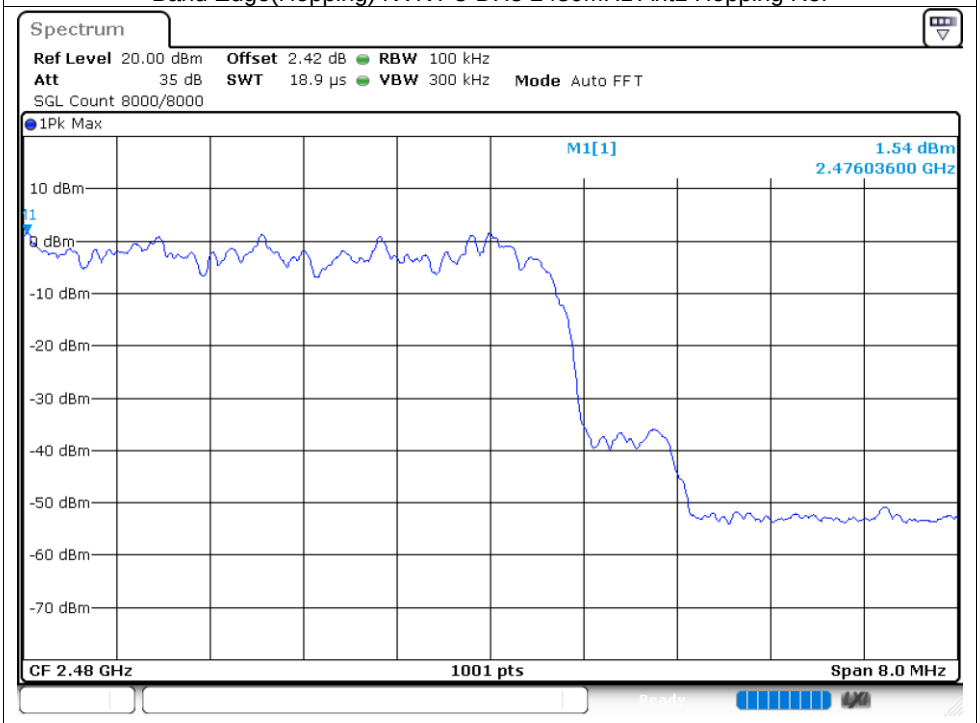
Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Ref



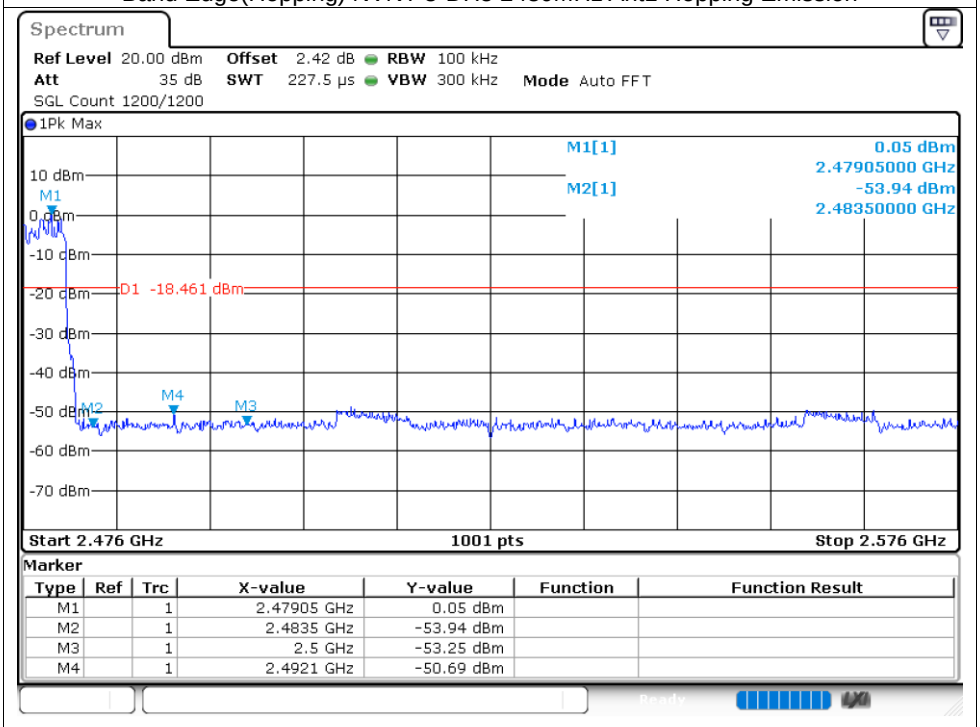
Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Emission



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



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



Marker

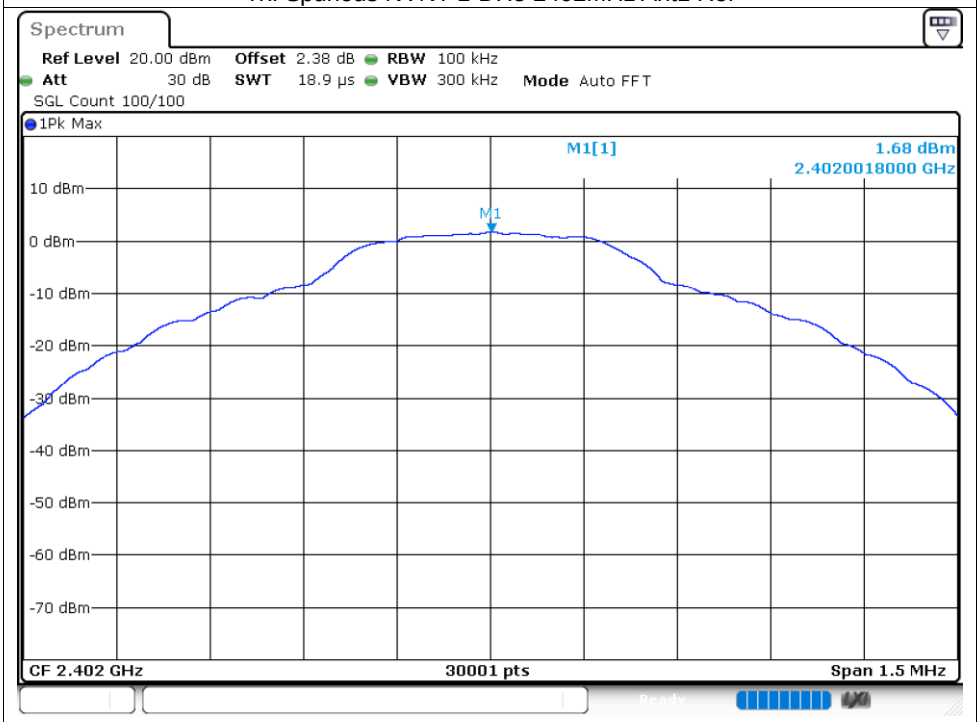
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.47905 GHz	0.05 dBm		
M2		1	2.4835 GHz	-53.94 dBm		
M3		1	2.5 GHz	-53.25 dBm		
M4		1	2.4921 GHz	-50.69 dBm		

8.9 CONDUCTED RF SPURIOUS EMISSION

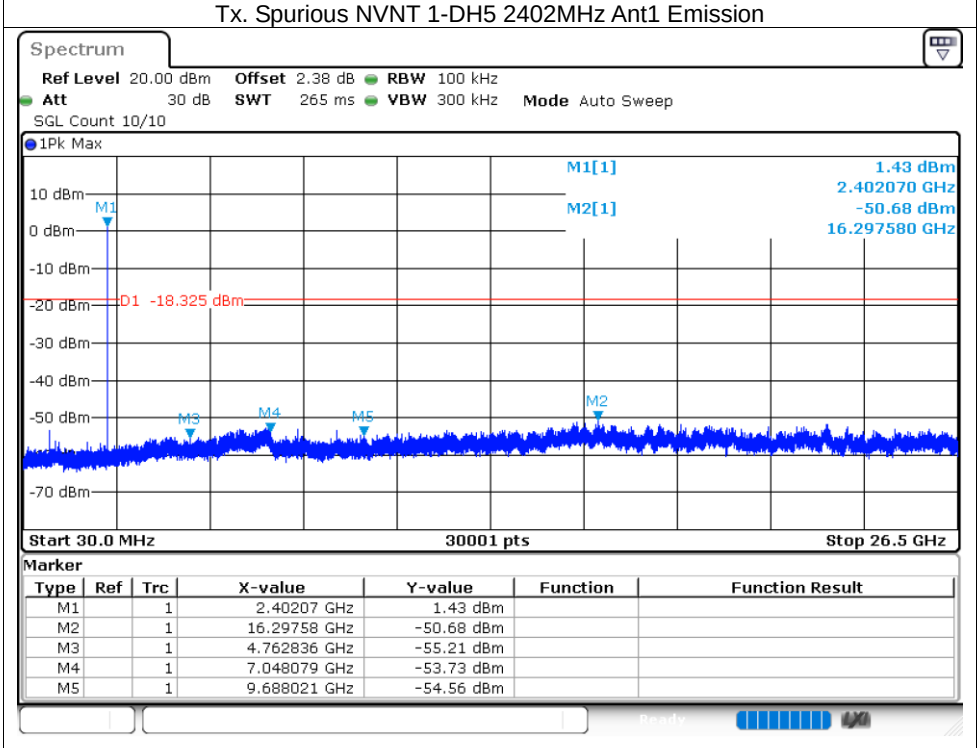
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-52.35	-20	Pass
NVNT	1-DH5	2441	Ant1	-52.12	-20	Pass
NVNT	1-DH5	2480	Ant1	-52.85	-20	Pass
NVNT	2-DH5	2402	Ant1	-50.54	-20	Pass
NVNT	2-DH5	2441	Ant1	-50.36	-20	Pass
NVNT	2-DH5	2480	Ant1	-51.44	-20	Pass
NVNT	3-DH5	2402	Ant1	-52	-20	Pass
NVNT	3-DH5	2441	Ant1	-51.77	-20	Pass
NVNT	3-DH5	2480	Ant1	-52.01	-20	Pass

Test Graphs

Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref



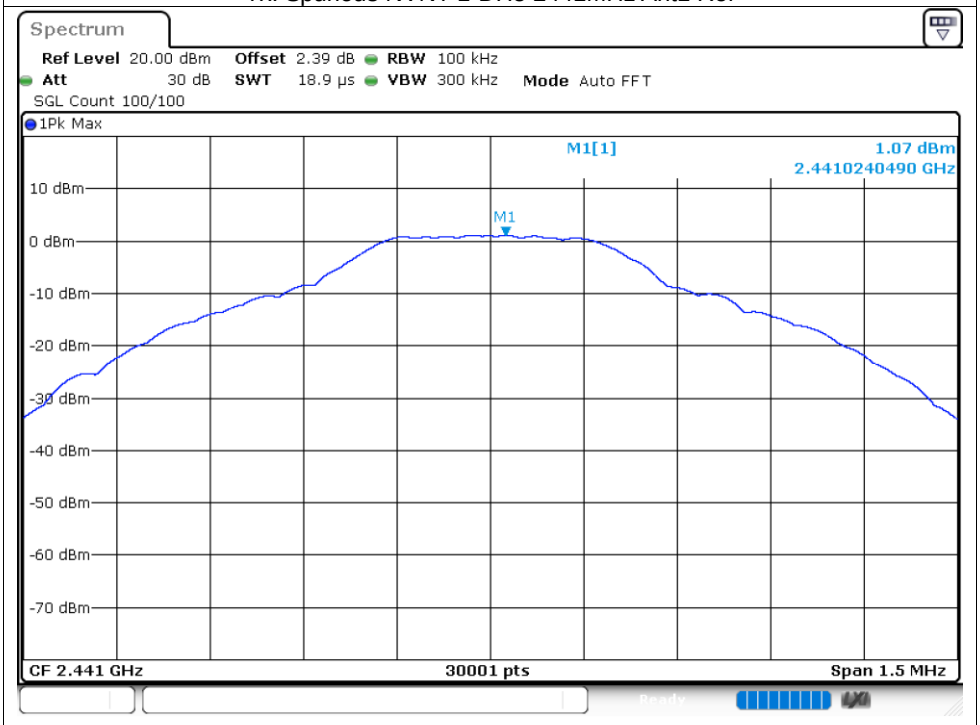
Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission



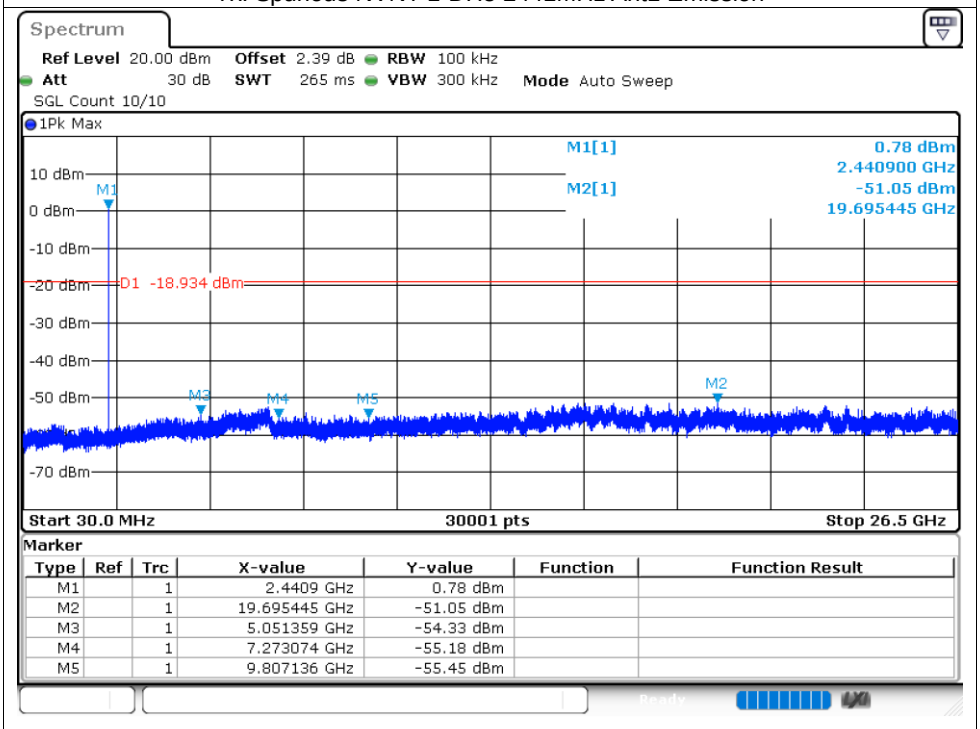
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.40207 GHz	1.43 dBm		
M2		1	16.29758 GHz	-50.68 dBm		
M3		1	4.762836 GHz	-55.21 dBm		
M4		1	7.048079 GHz	-53.73 dBm		
M5		1	9.688021 GHz	-54.56 dBm		

Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref



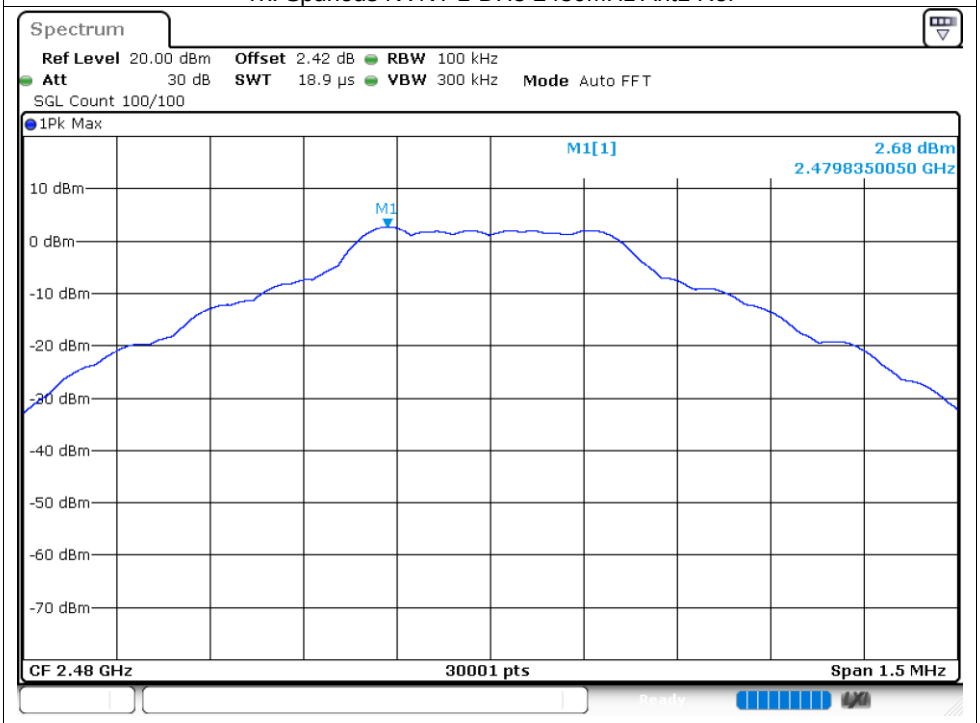
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission



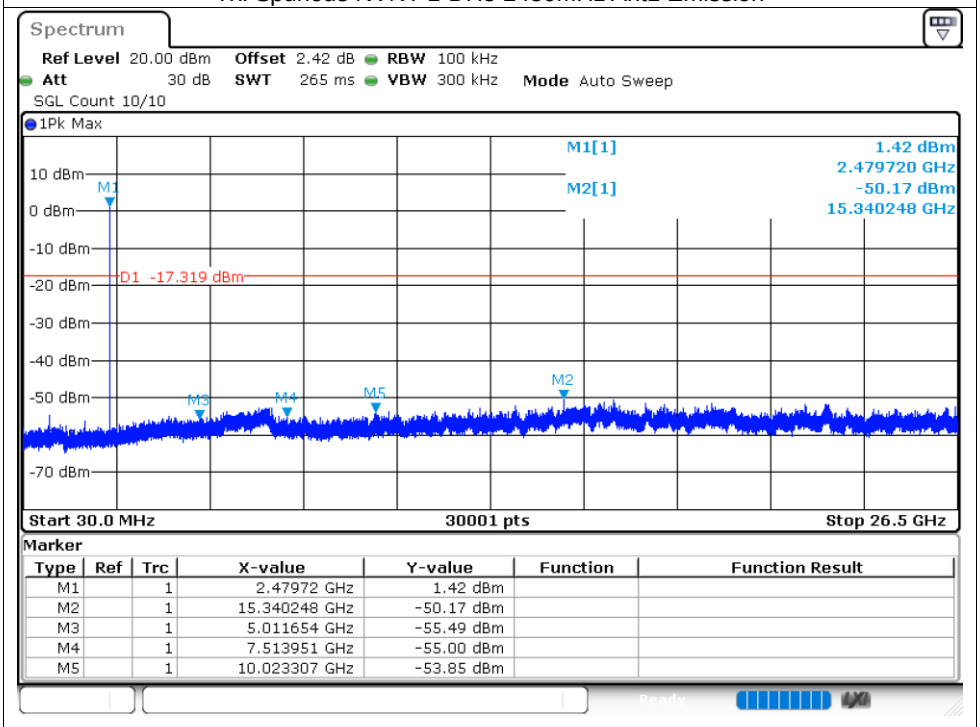
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.4409 GHz	0.78 dBm		
M2		1	19.695445 GHz	-51.05 dBm		
M3		1	5.051359 GHz	-54.33 dBm		
M4		1	7.273074 GHz	-55.18 dBm		
M5		1	9.807136 GHz	-55.45 dBm		

Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref



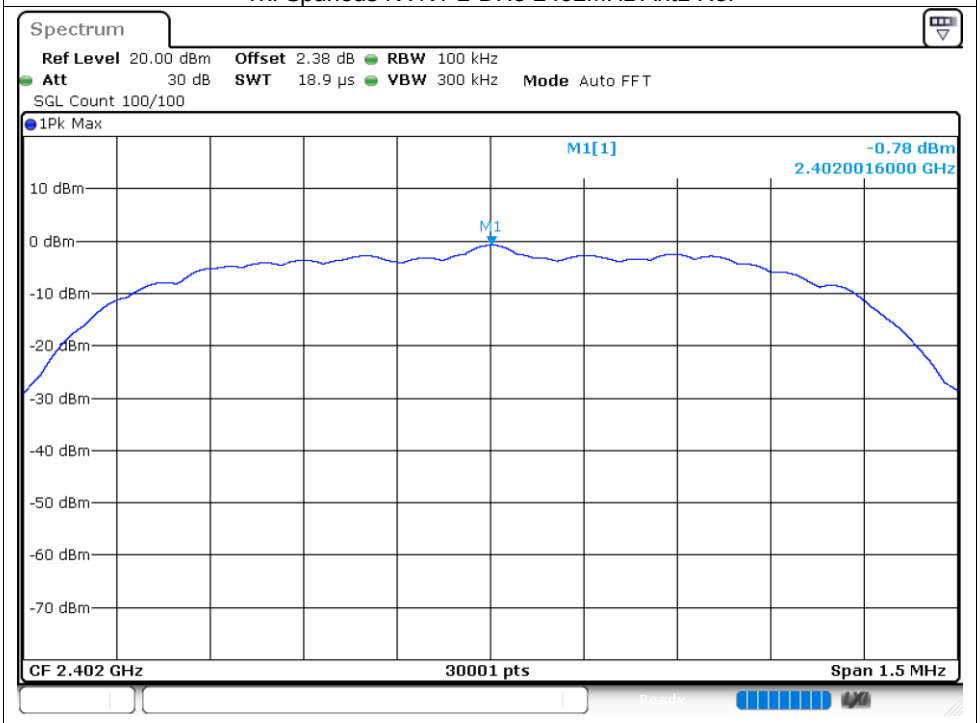
Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Emission



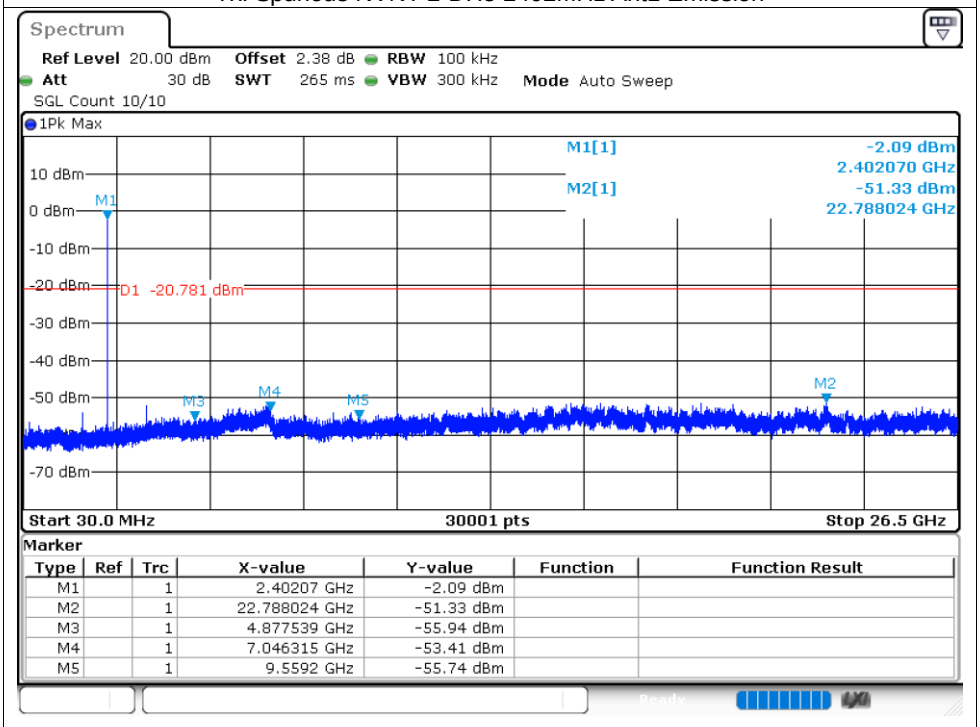
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.47972 GHz	1.42 dBm		
M2		1	15.340248 GHz	-50.17 dBm		
M3		1	5.011654 GHz	-55.49 dBm		
M4		1	7.513951 GHz	-55.00 dBm		
M5		1	10.023307 GHz	-53.85 dBm		

Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Ref



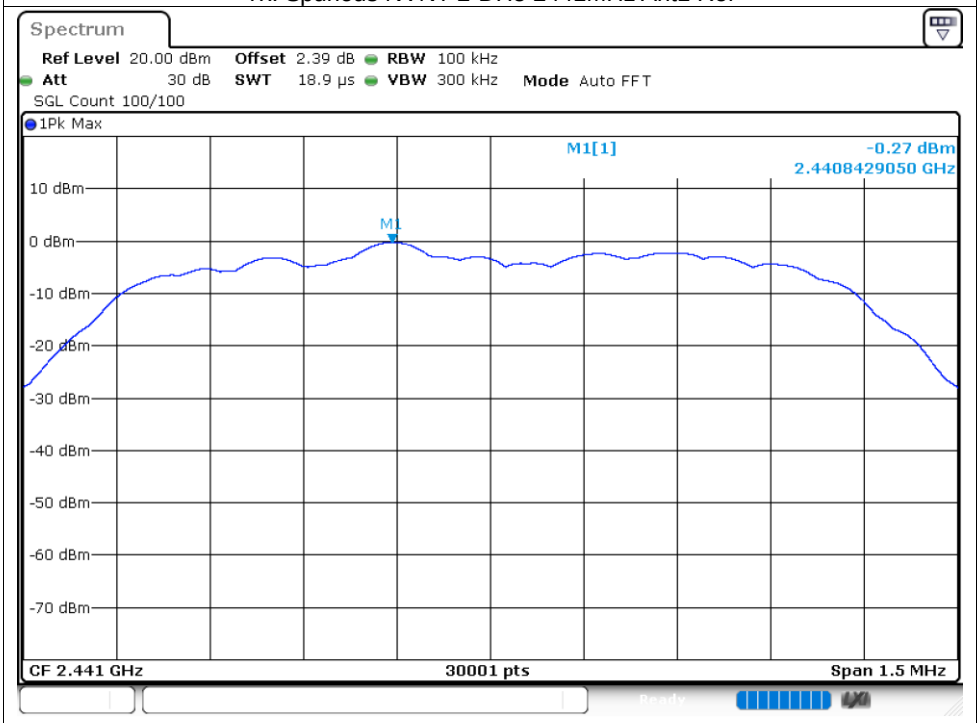
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Emission



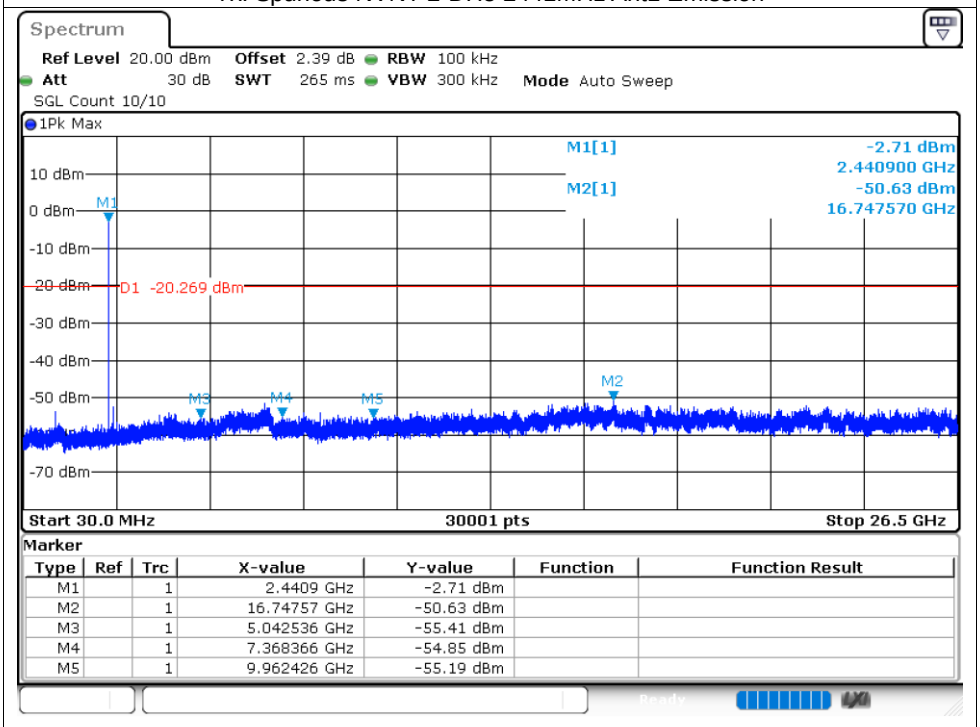
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.40207 GHz	-2.09 dBm		
M2		1	22.788024 GHz	-51.33 dBm		
M3		1	4.877539 GHz	-55.94 dBm		
M4		1	7.046315 GHz	-53.41 dBm		
M5		1	9.5592 GHz	-55.74 dBm		

Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Ref



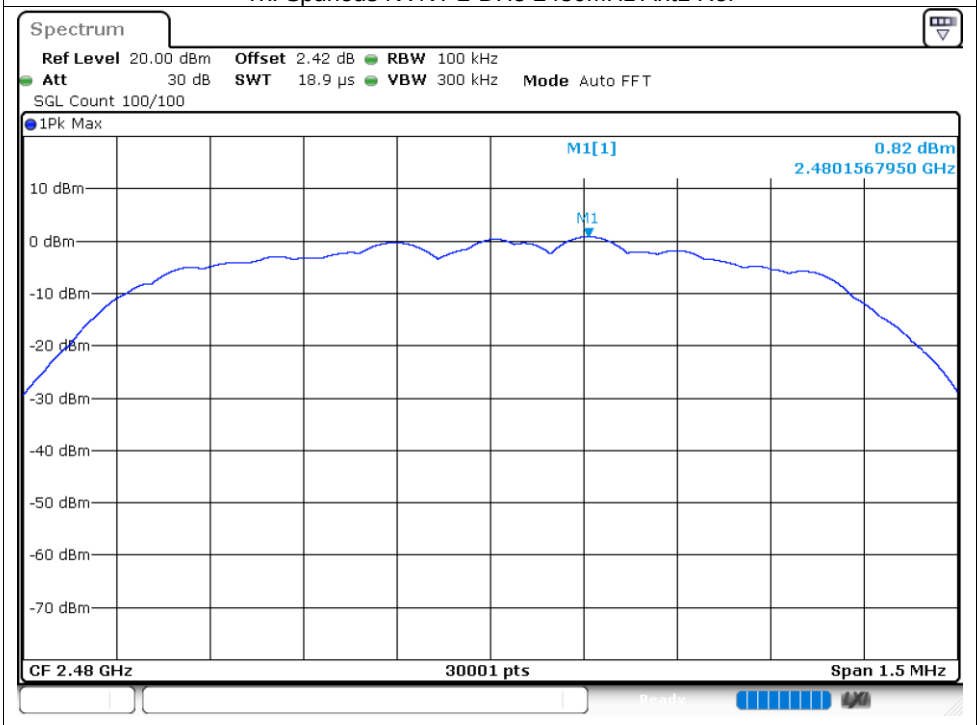
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Emission



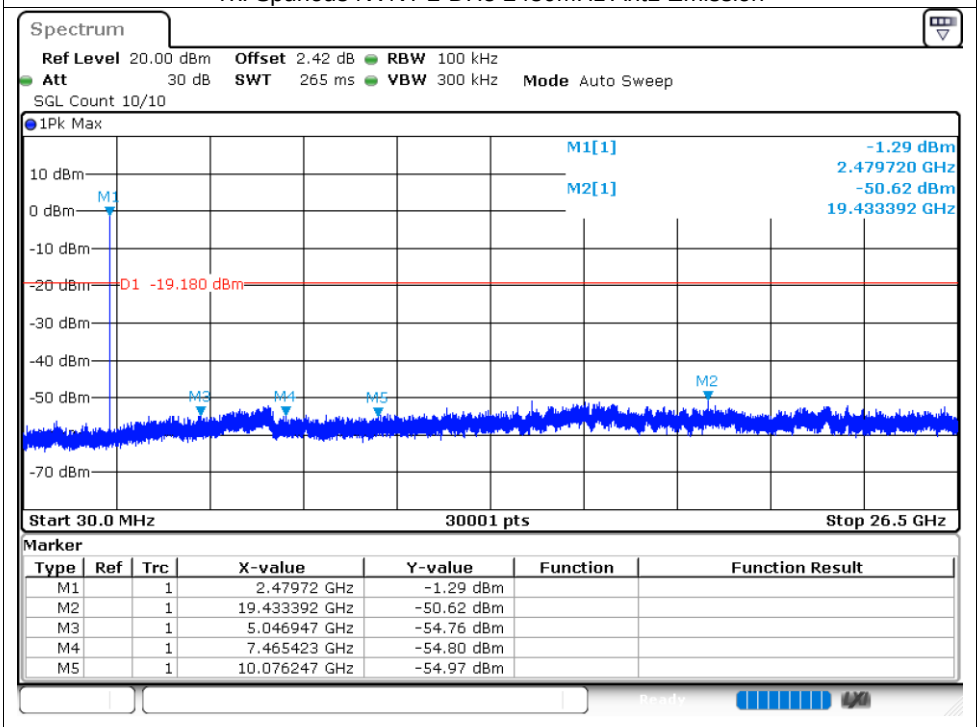
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.4409 GHz	-2.71 dBm		
M2		1	16.74757 GHz	-50.63 dBm		
M3		1	5.042536 GHz	-55.41 dBm		
M4		1	7.368366 GHz	-54.85 dBm		
M5		1	9.962426 GHz	-55.19 dBm		

Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Ref



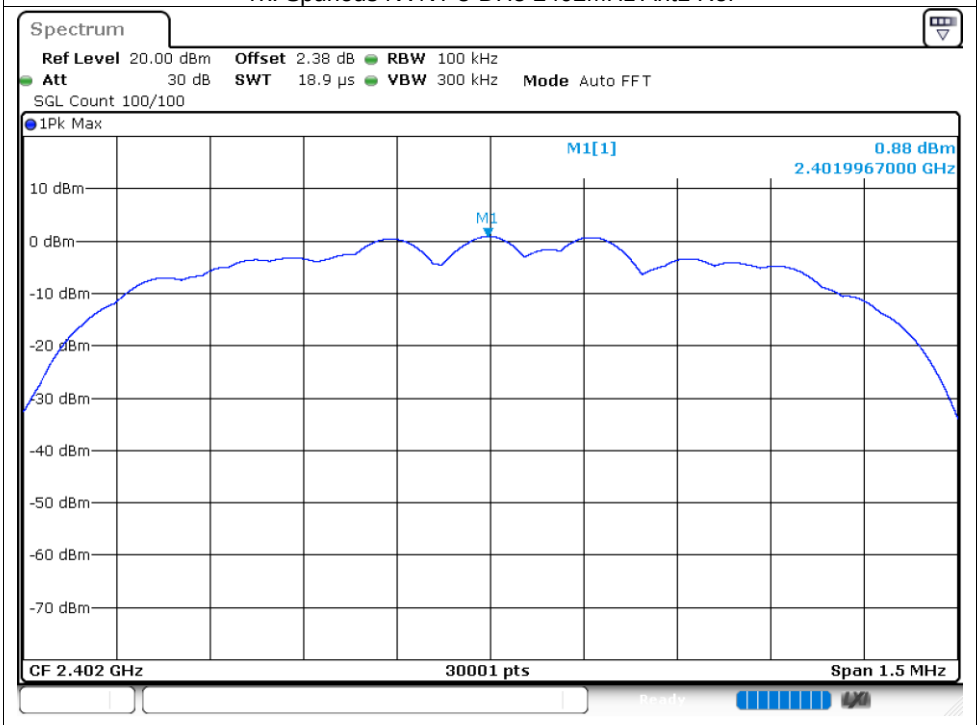
Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Emission



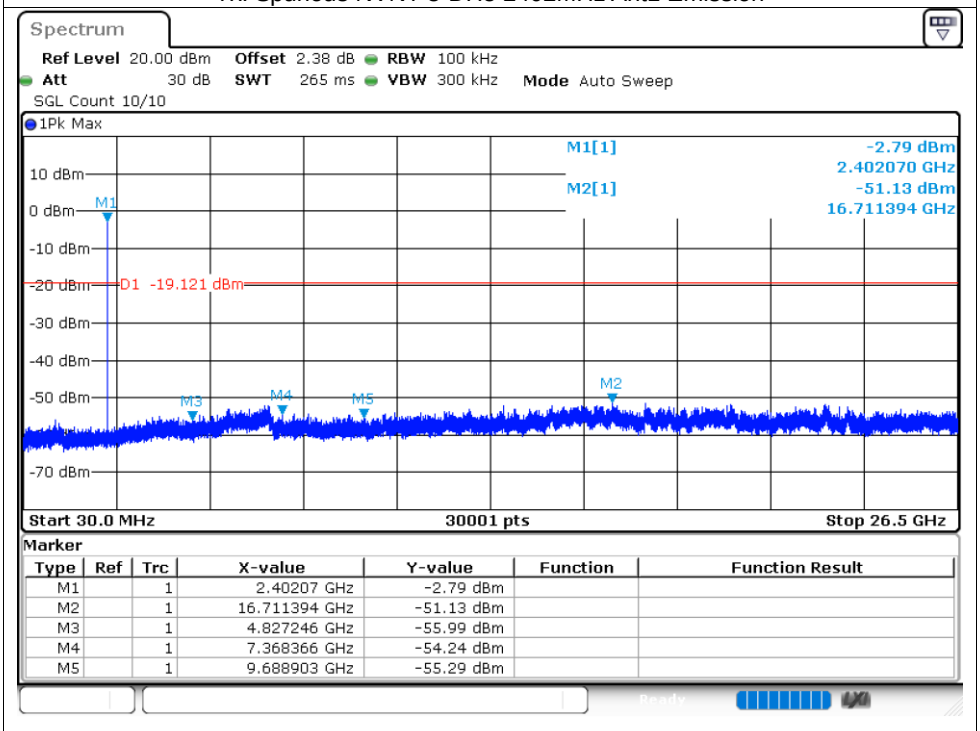
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.47972 GHz	-1.29 dBm		
M2		1	19.433392 GHz	-50.62 dBm		
M3		1	5.046947 GHz	-54.76 dBm		
M4		1	7.465423 GHz	-54.80 dBm		
M5		1	10.076247 GHz	-54.97 dBm		

Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Ref



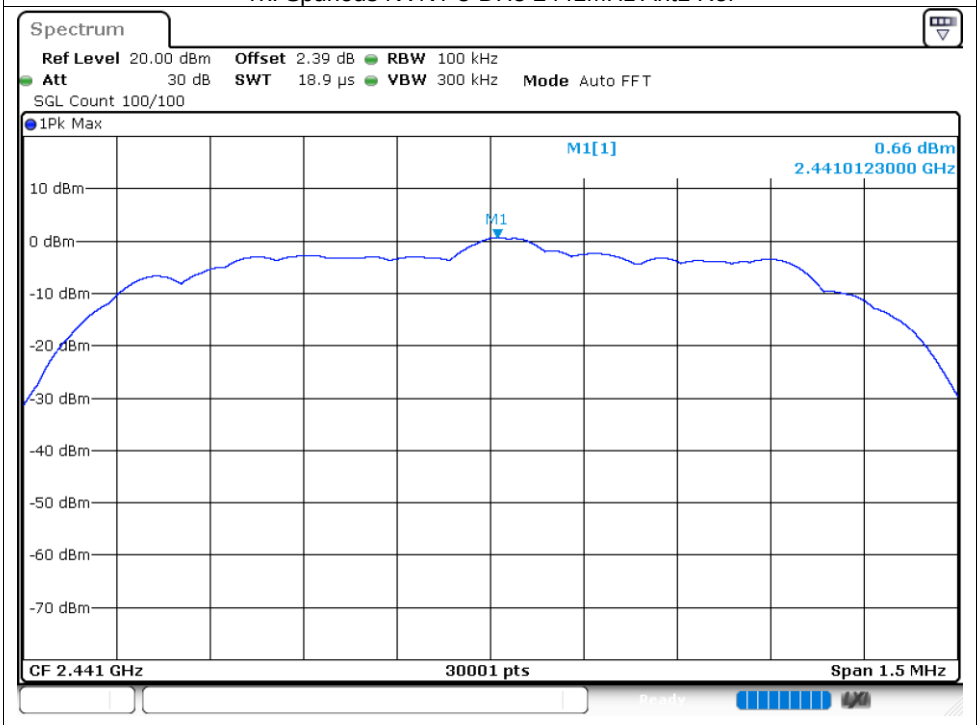
Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Emission



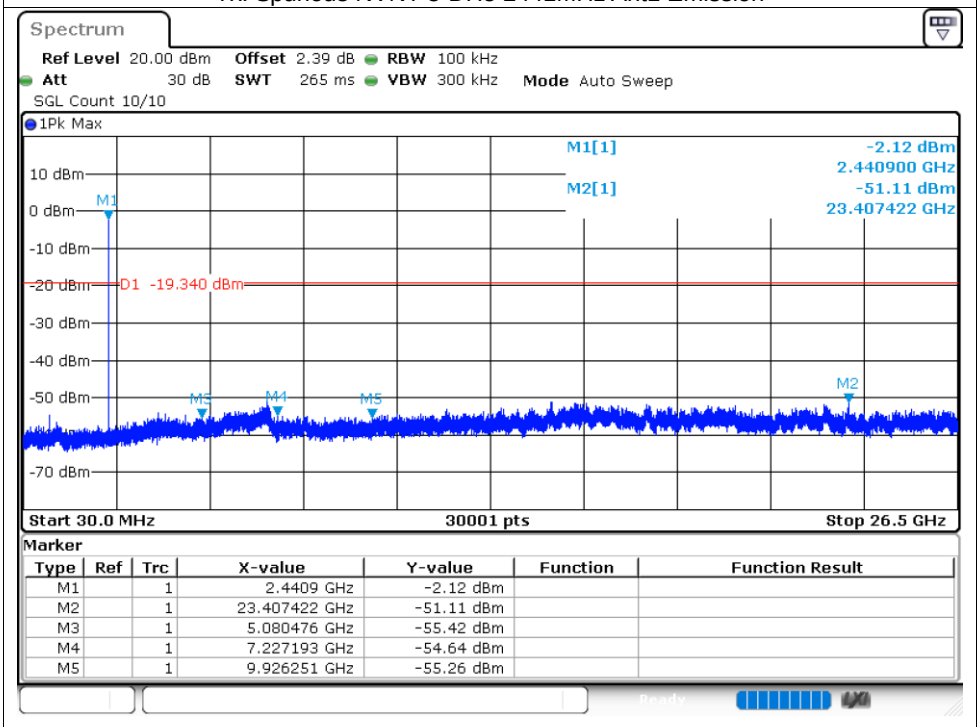
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.40207 GHz	-2.79 dBm		
M2		1	16.711394 GHz	-51.13 dBm		
M3		1	4.827246 GHz	-55.99 dBm		
M4		1	7.368366 GHz	-54.24 dBm		
M5		1	9.688903 GHz	-55.29 dBm		

Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Ref



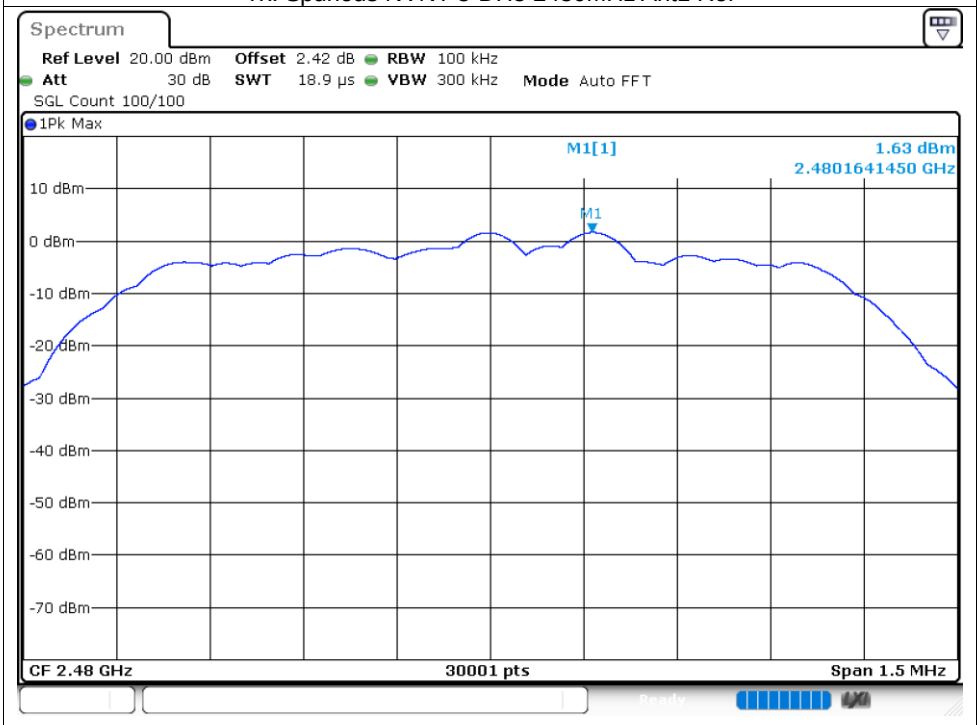
Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Emission



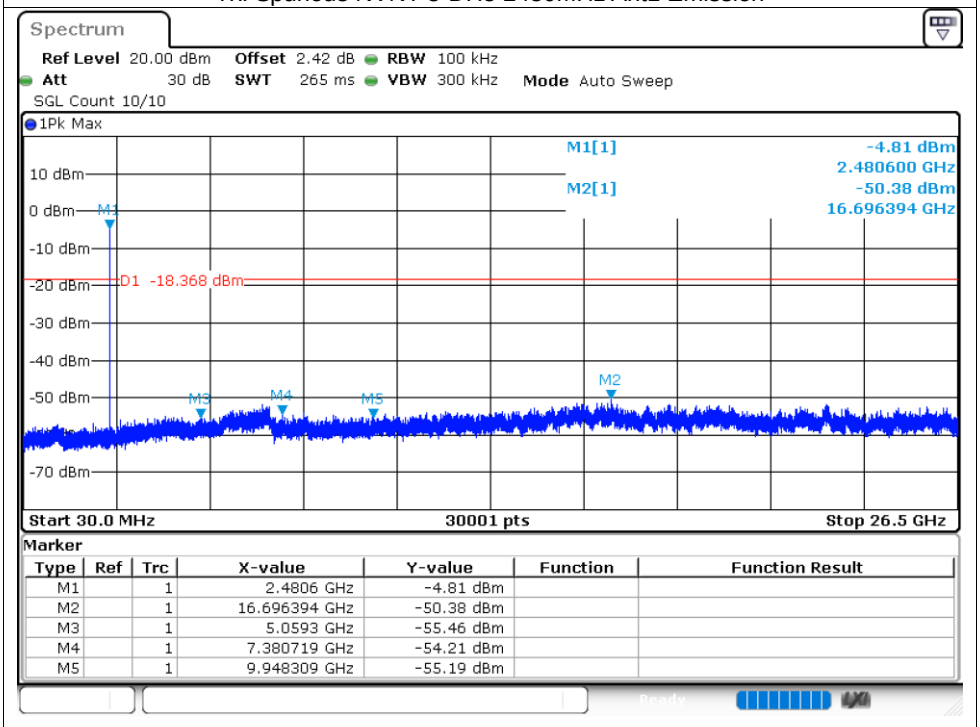
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.4409 GHz	-2.12 dBm		
M2		1	23.407422 GHz	-51.11 dBm		
M3		1	5.080476 GHz	-55.42 dBm		
M4		1	7.227193 GHz	-54.64 dBm		
M5		1	9.926251 GHz	-55.26 dBm		

Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.4806 GHz	-4.81 dBm		
M2		1	16.696394 GHz	-50.38 dBm		
M3		1	5.0593 GHz	-55.46 dBm		
M4		1	7.380719 GHz	-54.21 dBm		
M5		1	9.948309 GHz	-55.19 dBm		

END OF REPORT