

8.3 -20dB BANDWIDTH

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	0.86	Pass
NVNT	1-DH5	2441	Ant1	0.85	Pass
NVNT	1-DH5	2480	Ant1	0.852	Pass
NVNT	2-DH5	2402	Ant1	1.324	Pass
NVNT	2-DH5	2441	Ant1	1.23	Pass
NVNT	2-DH5	2480	Ant1	1.268	Pass
NVNT	3-DH5	2402	Ant1	1.25	Pass
NVNT	3-DH5	2441	Ant1	1.264	Pass
NVNT	3-DH5	2480	Ant1	1.3	Pass

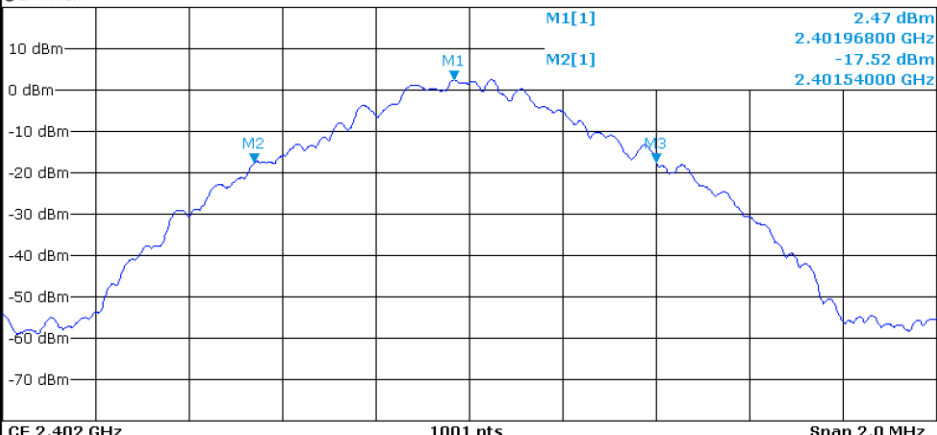
Test Graphs

-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

1Pk Max



Marker

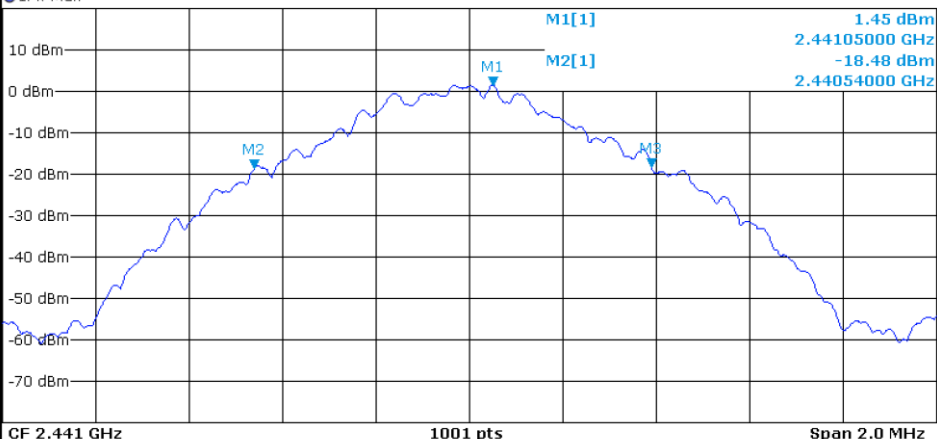
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		2.401968 GHz	2.47 dBm		
M2	1		2.40154 GHz	-17.52 dBm		
M3	1		2.4024 GHz	-17.37 dBm		

-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

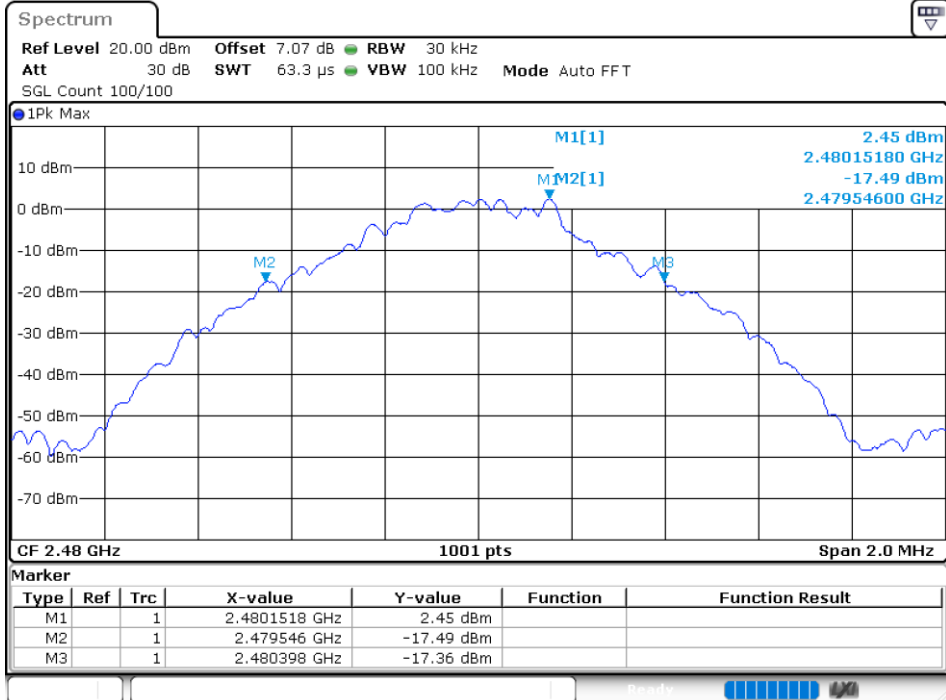
1Pk Max



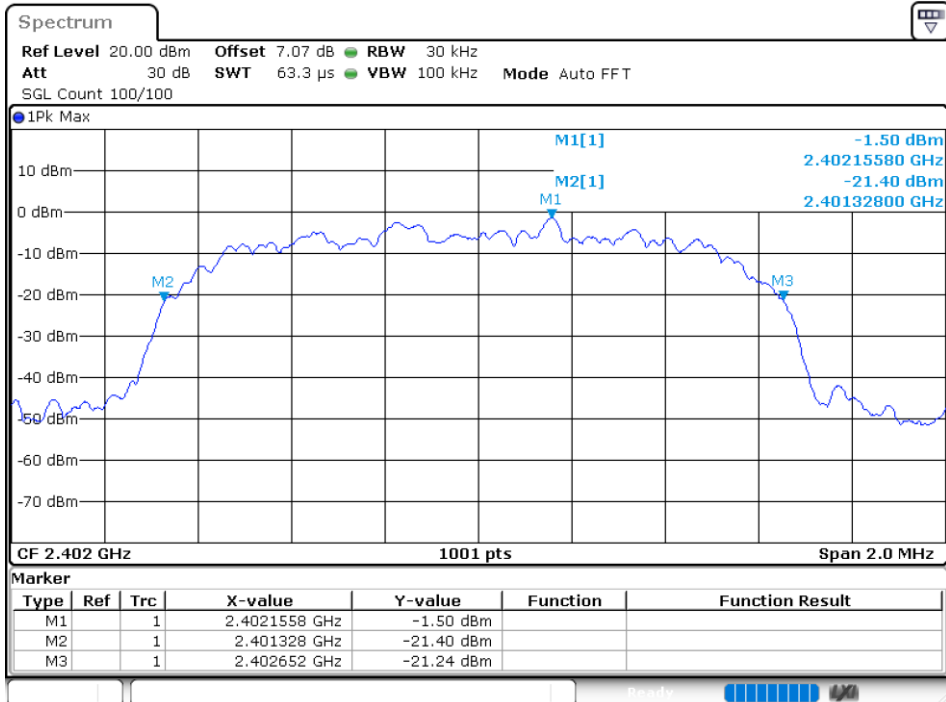
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		2.44105 GHz	1.45 dBm		
M2	1		2.44054 GHz	-18.48 dBm		
M3	1		2.44139 GHz	-18.29 dBm		

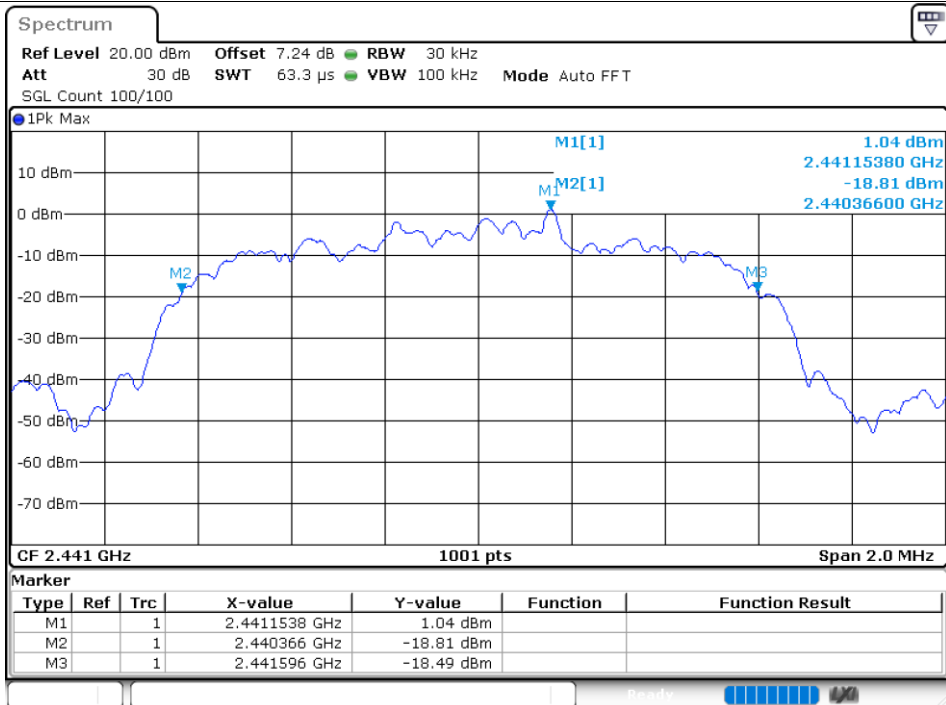
-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



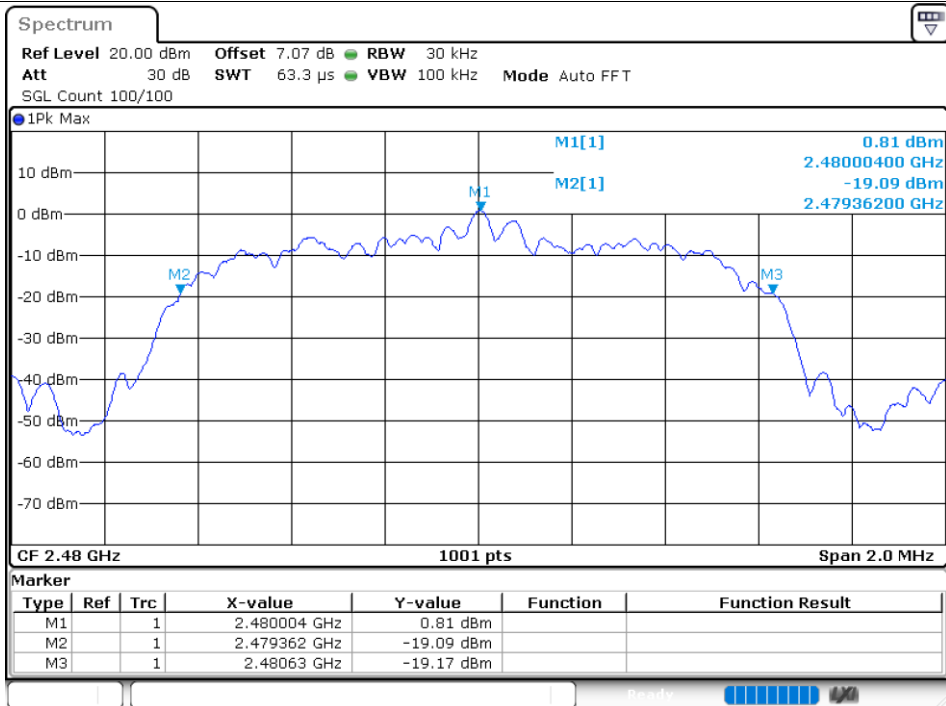
-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1



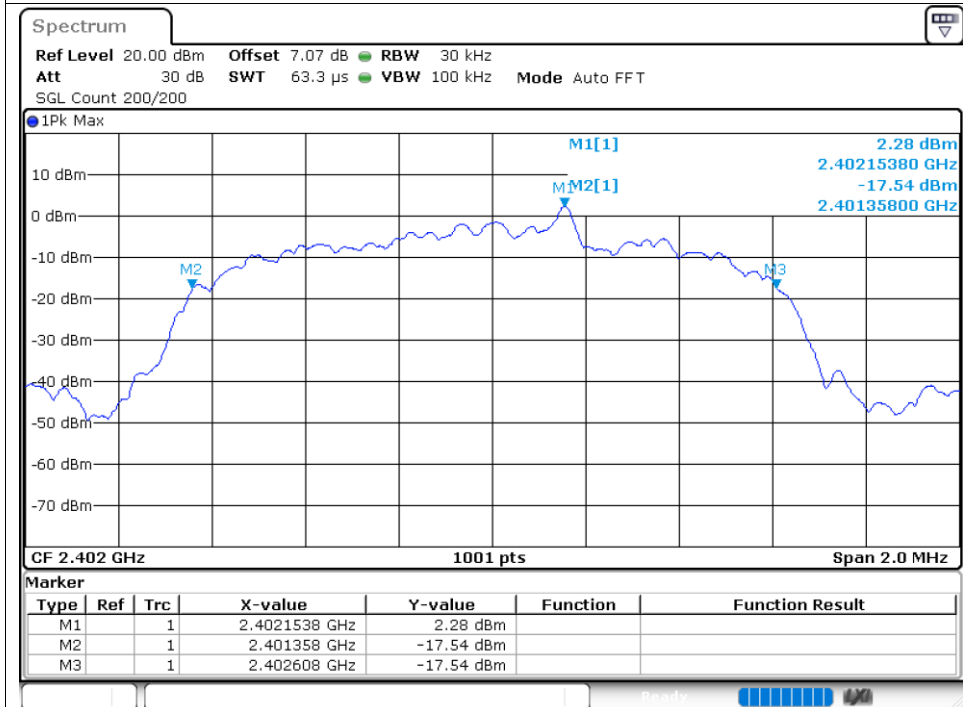
-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



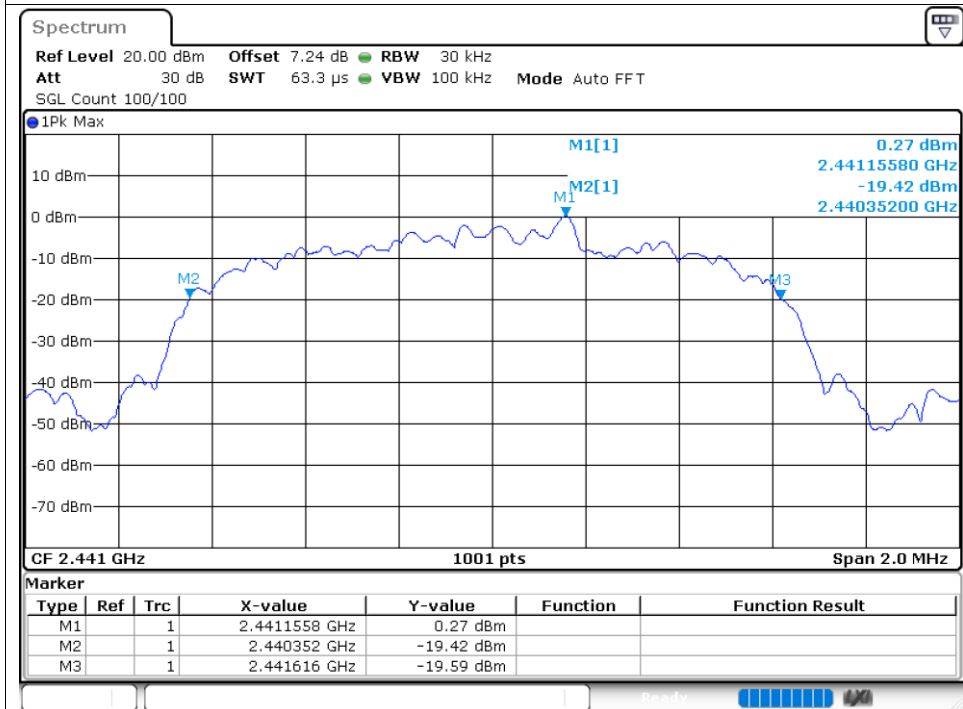
-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1

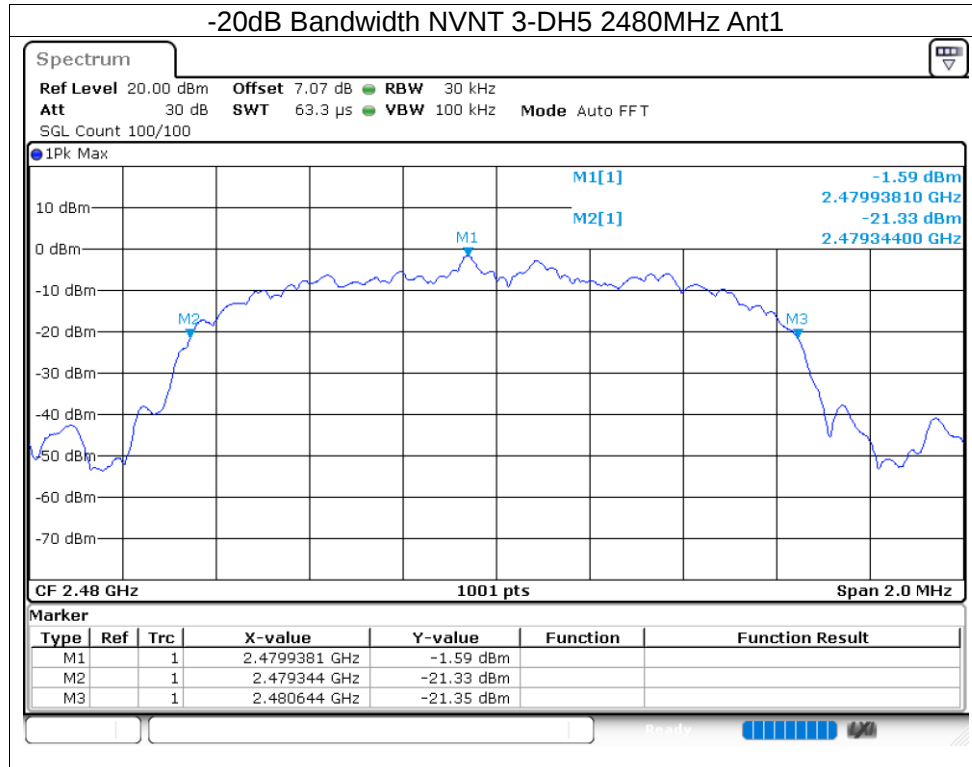


-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1



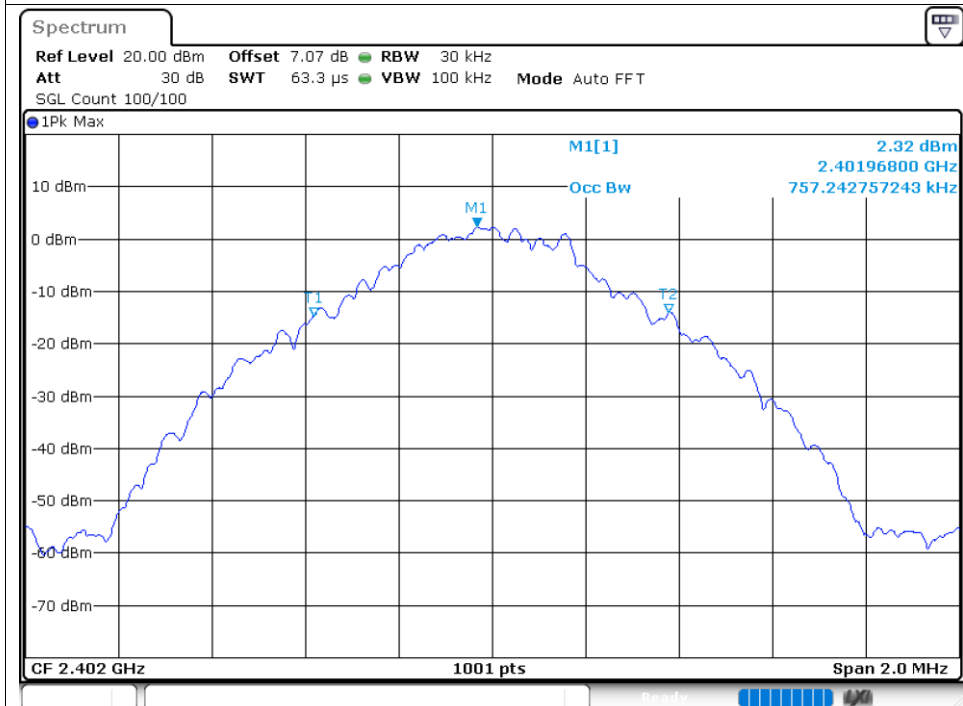


8.4 OCCUPIED CHANNEL BANDWIDTH

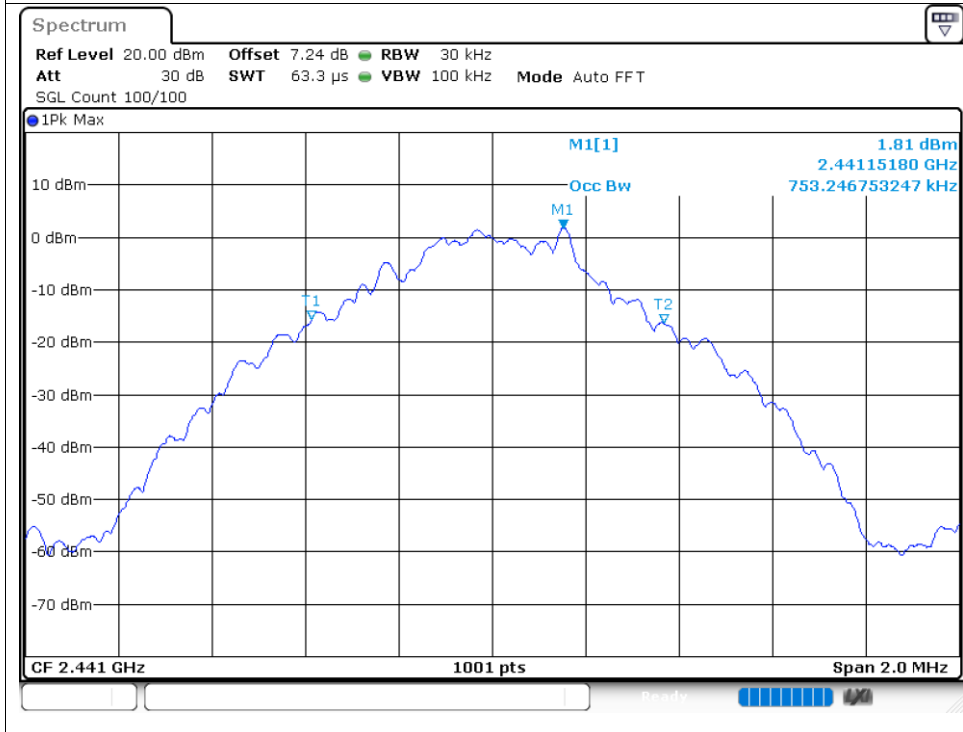
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH5	2402	Ant1	0.757
NVNT	1-DH5	2441	Ant1	0.753
NVNT	1-DH5	2480	Ant1	0.755
NVNT	2-DH5	2402	Ant1	1.157
NVNT	2-DH5	2441	Ant1	1.141
NVNT	2-DH5	2480	Ant1	1.171
NVNT	3-DH5	2402	Ant1	1.153
NVNT	3-DH5	2441	Ant1	1.145
NVNT	3-DH5	2480	Ant1	1.165

Test Graphs

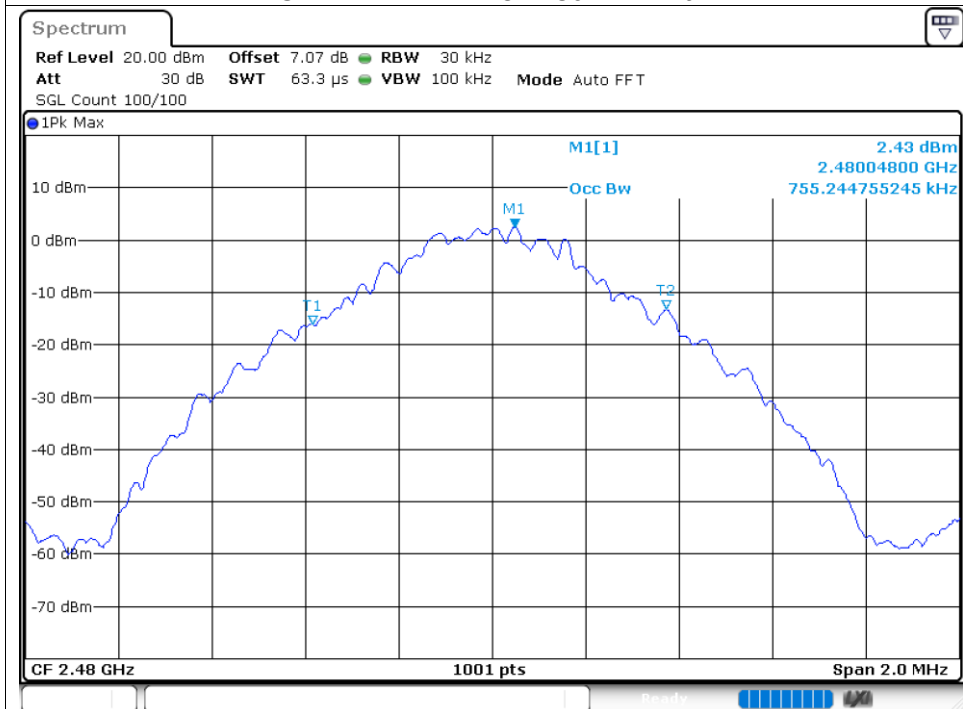
OBW NVNT 1-DH5 2402MHz Ant1



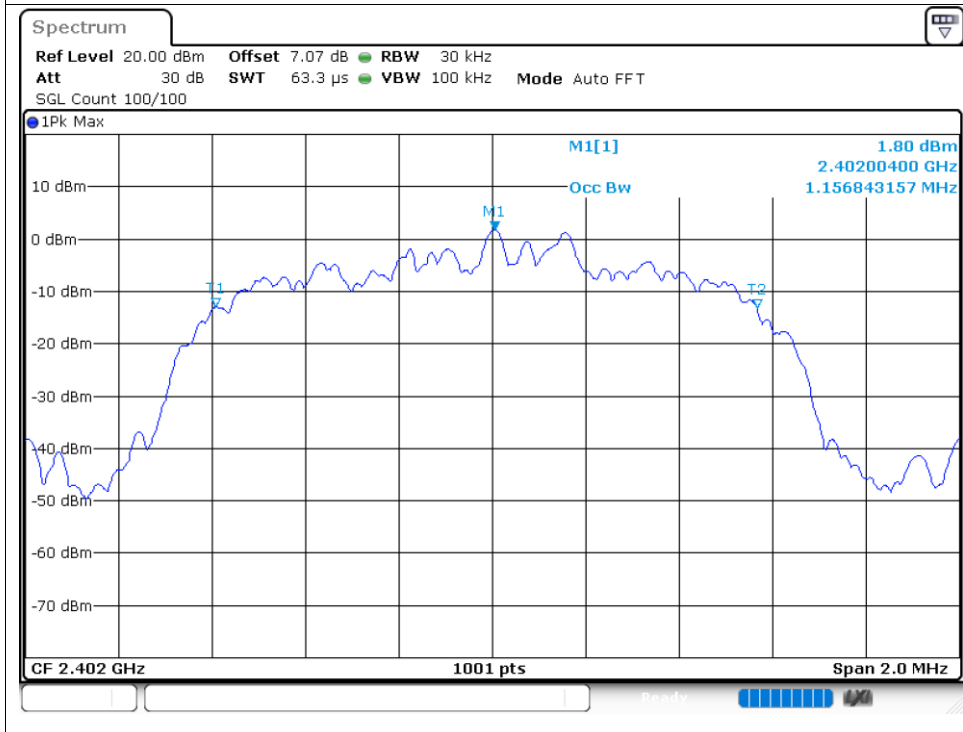
OBW NVNT 1-DH5 2441MHz Ant1



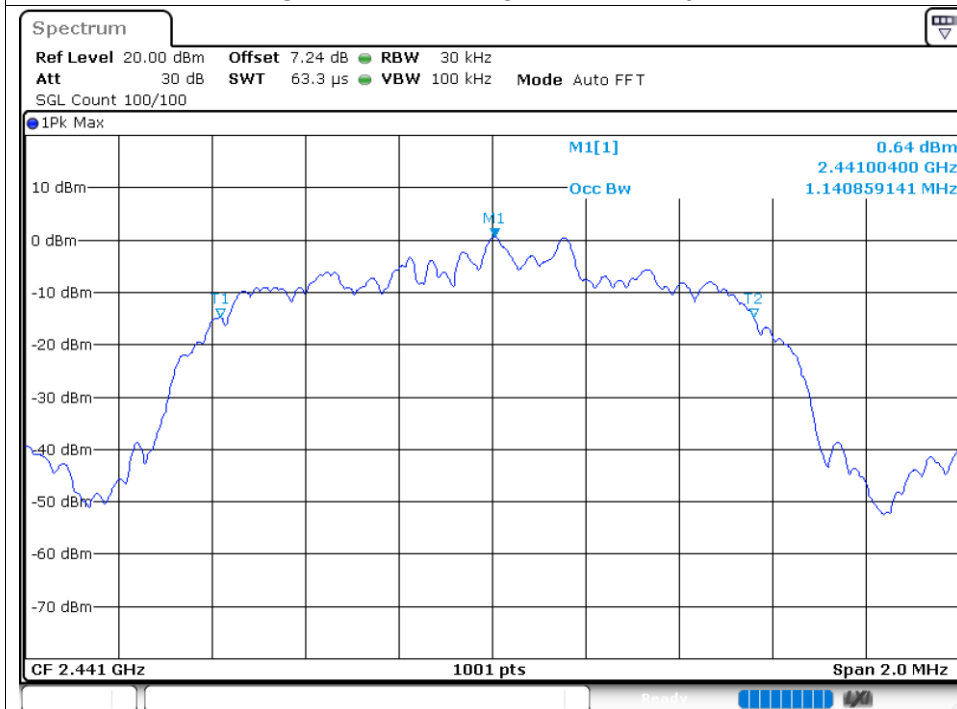
OBW NVNT 1-DH5 2480MHz Ant1



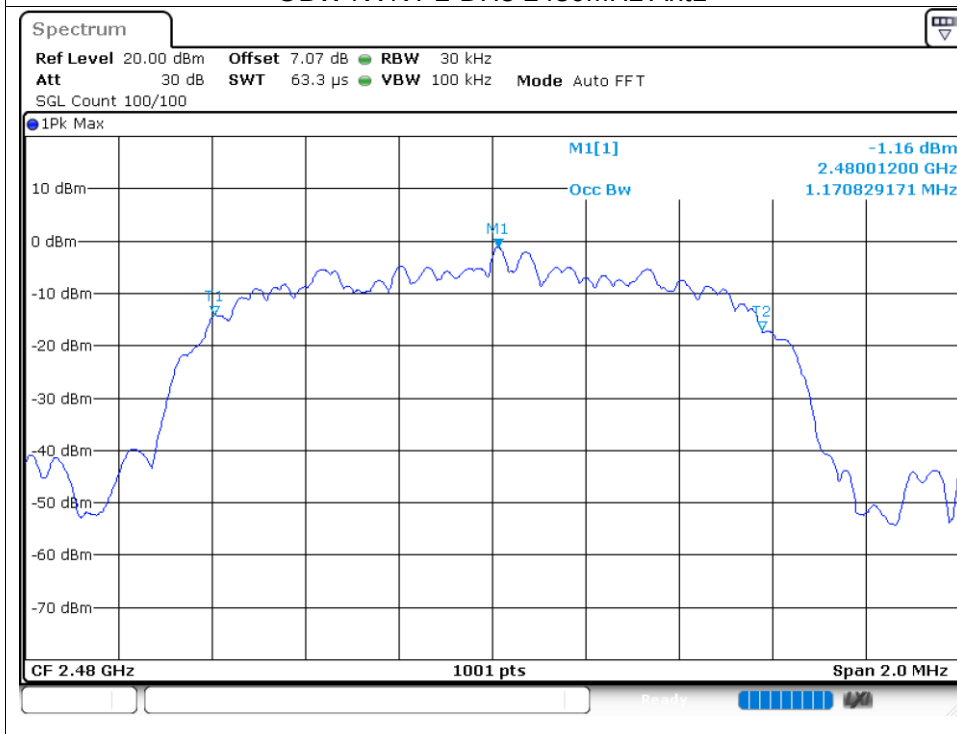
OBW NVNT 2-DH5 2402MHz Ant1



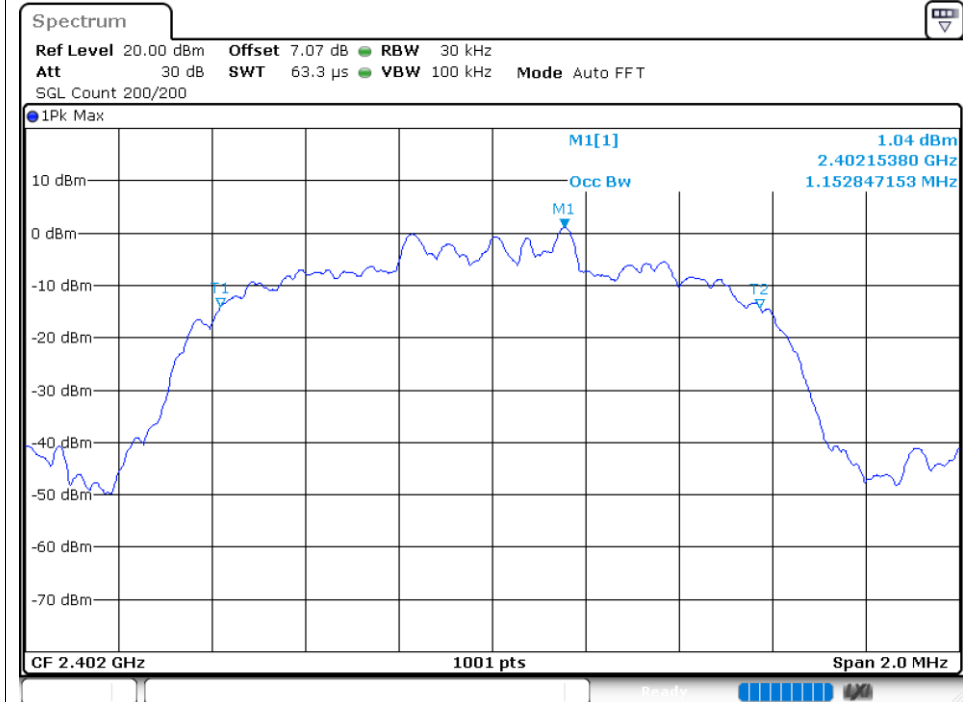
OBW NVNT 2-DH5 2441MHz Ant1



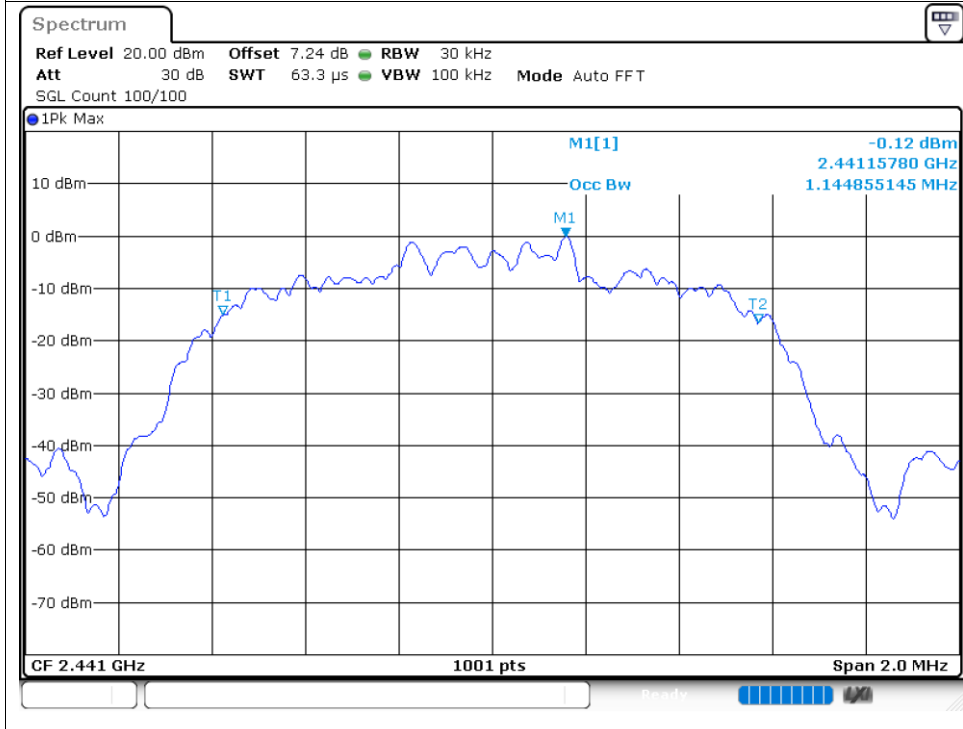
OBW NVNT 2-DH5 2480MHz Ant1

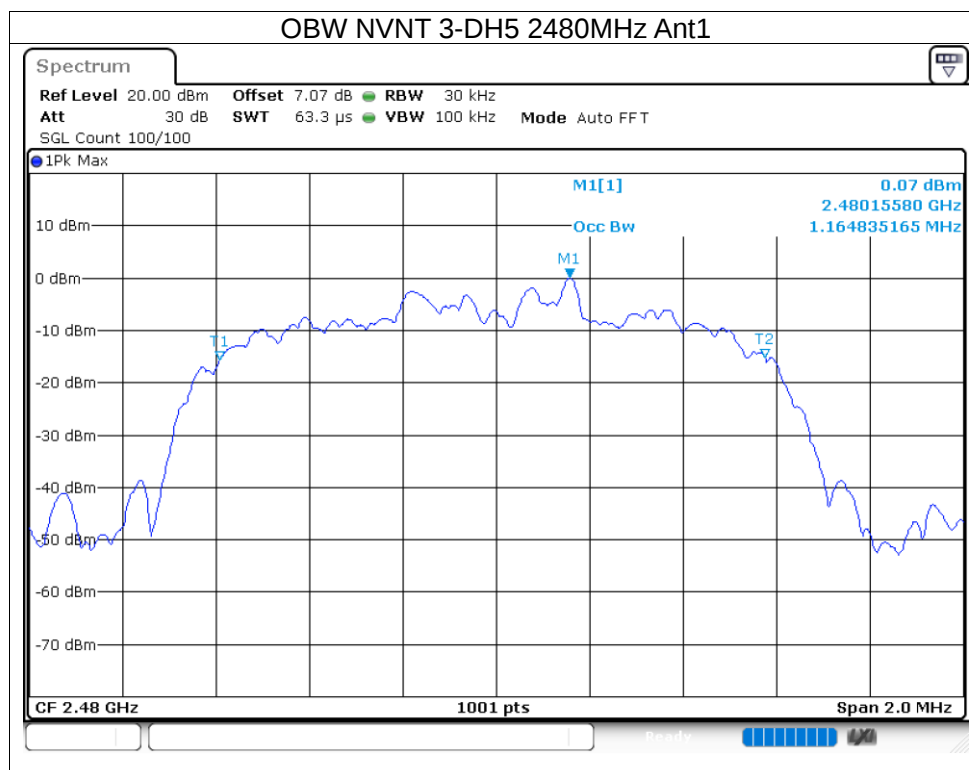


OBW NVNT 3-DH5 2402MHz Ant1



OBW NVNT 3-DH5 2441MHz Ant1



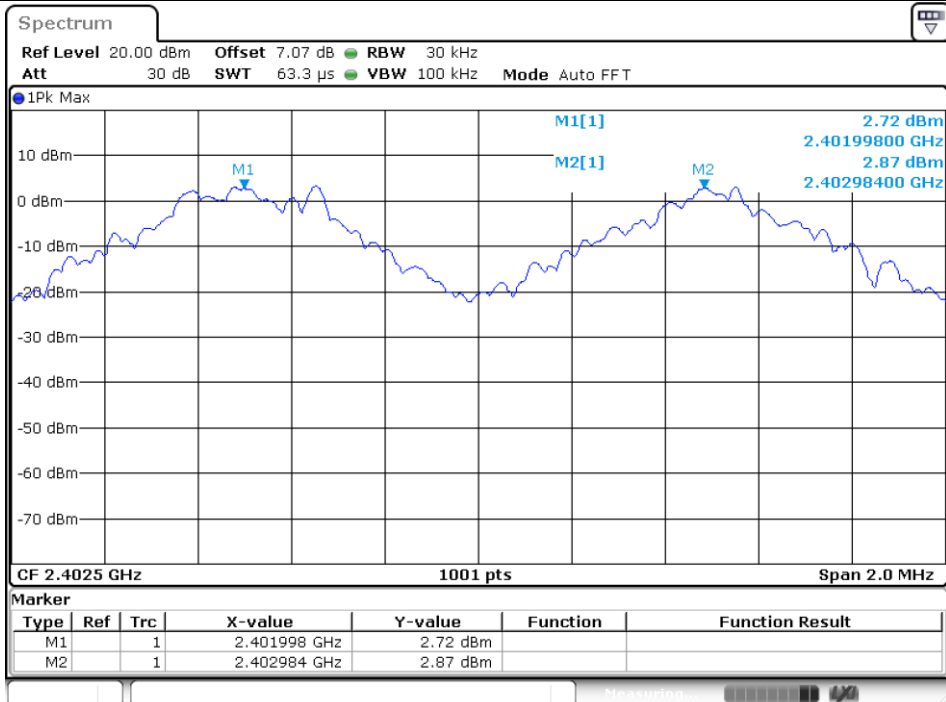


8.5 CARRIER FREQUENCIES SEPARATION

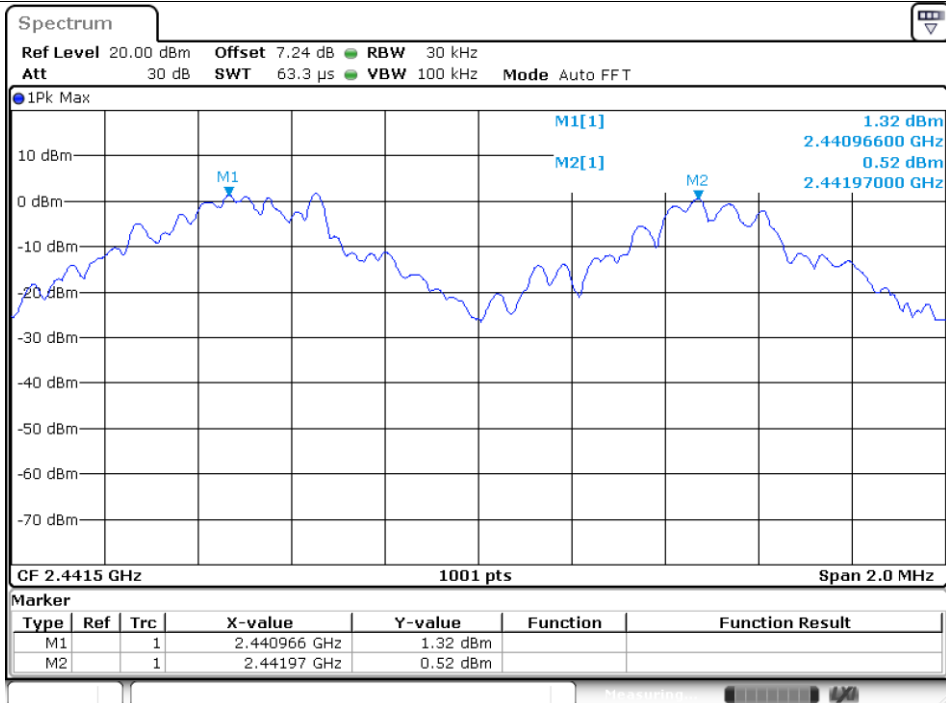
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2401.998	2402.984	0.986	0.573	Pass
NVNT	1-DH5	Ant1	2440.966	2441.97	1.004	0.567	Pass
NVNT	1-DH5	Ant1	2479.05	2480.048	0.998	0.568	Pass
NVNT	2-DH5	Ant1	2402.154	2403.156	1.002	0.883	Pass
NVNT	2-DH5	Ant1	2440.998	2442.072	1.074	0.82	Pass
NVNT	2-DH5	Ant1	2478.971	2480.069	1.098	0.845	Pass
NVNT	3-DH5	Ant1	2402.156	2403.158	1.002	0.833	Pass
NVNT	3-DH5	Ant1	2440.971	2441.994	1.023	0.843	Pass
NVNT	3-DH5	Ant1	2479.156	2480.156	1	0.867	Pass

Test Graphs

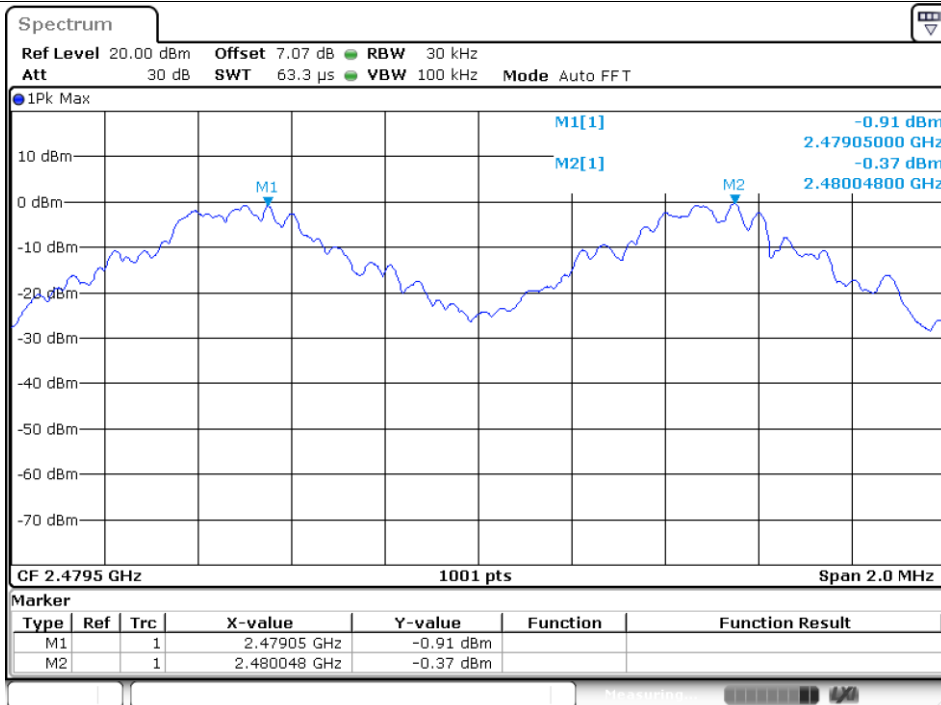
CFS NVNT 1-DH5 2402MHz Ant1



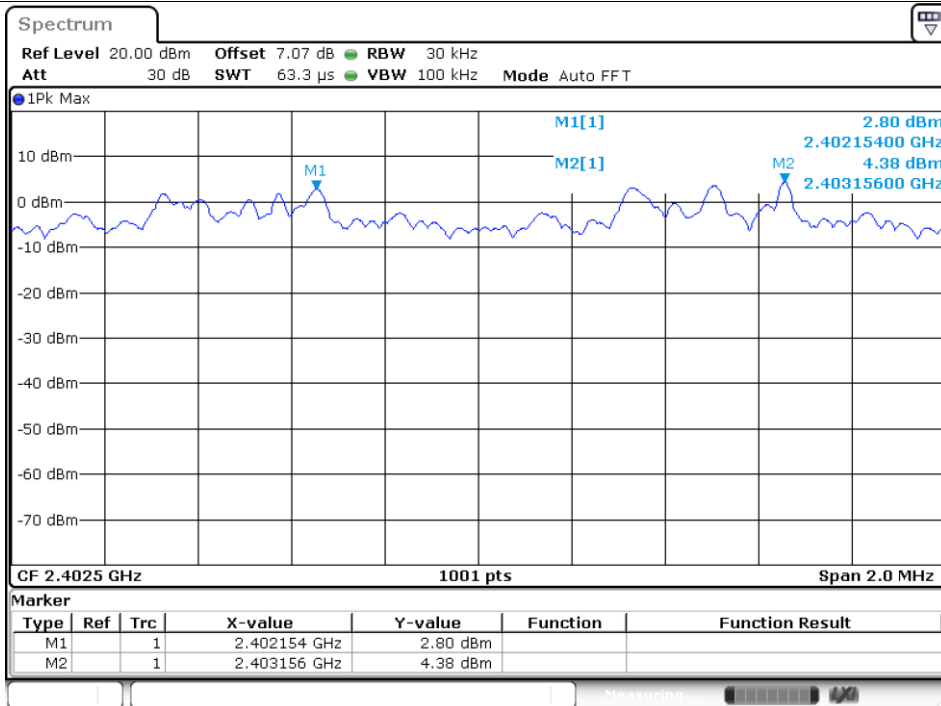
CFS NVNT 1-DH5 2441MHz Ant1



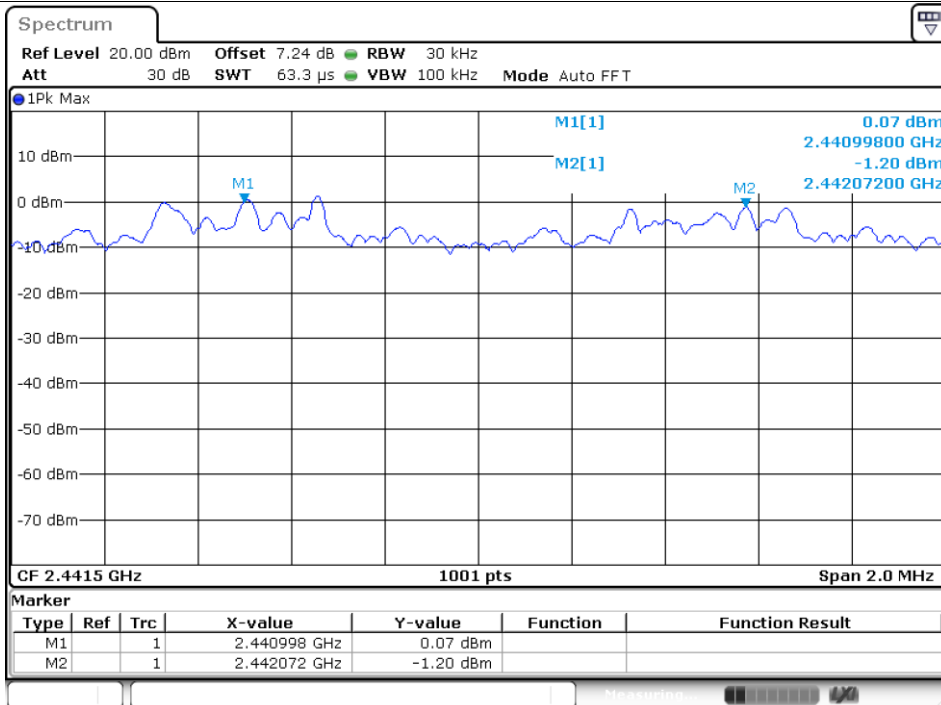
CFS NVNT 1-DH5 2480MHz Ant1



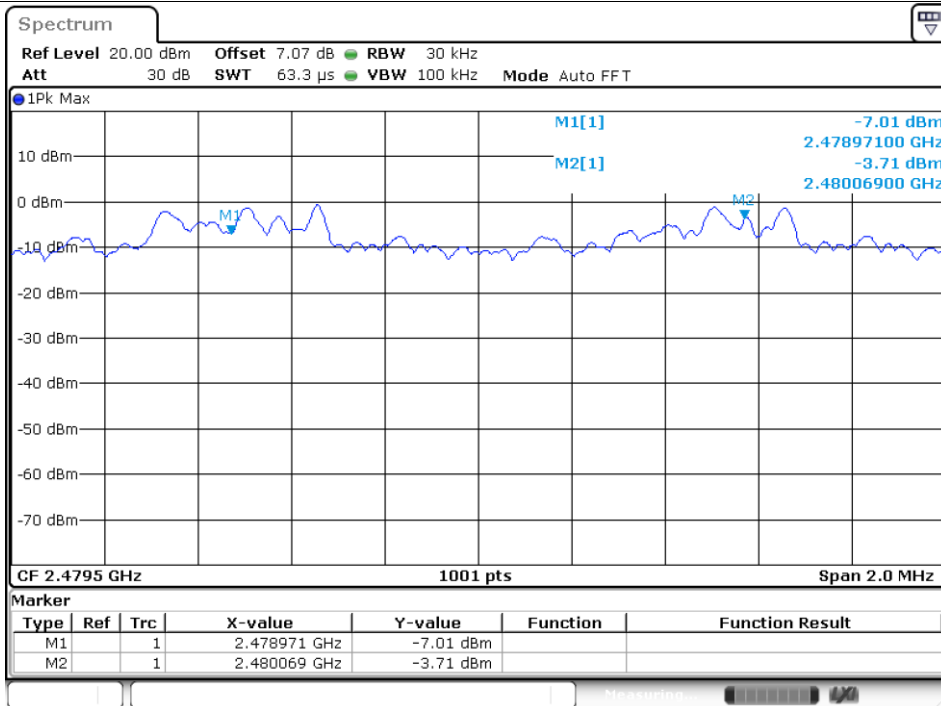
CFS NVNT 2-DH5 2402MHz Ant1



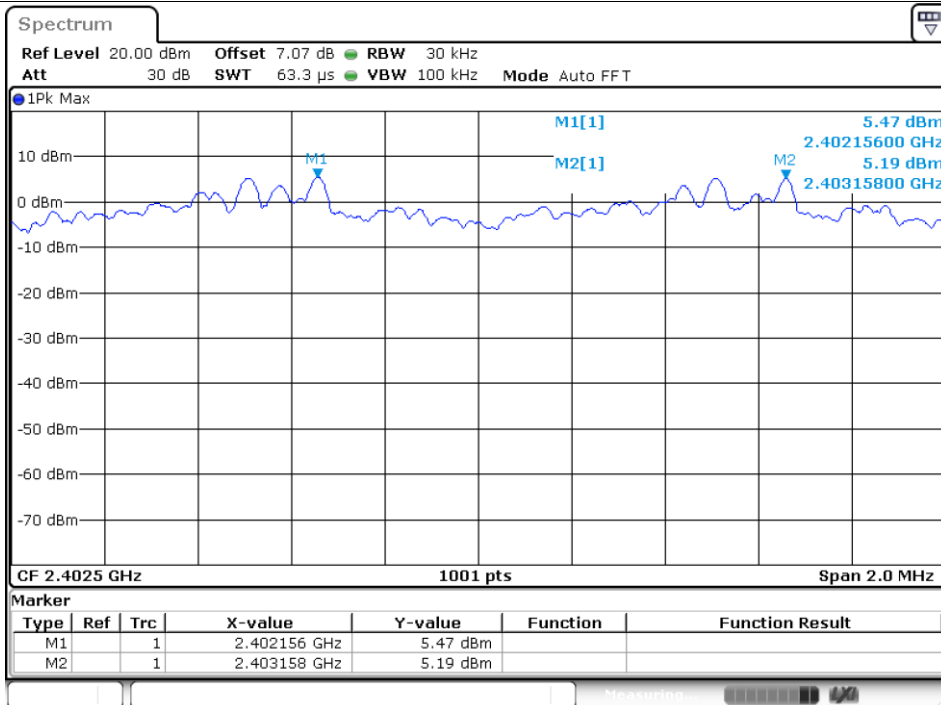
CFS NVNT 2-DH5 2441MHz Ant1



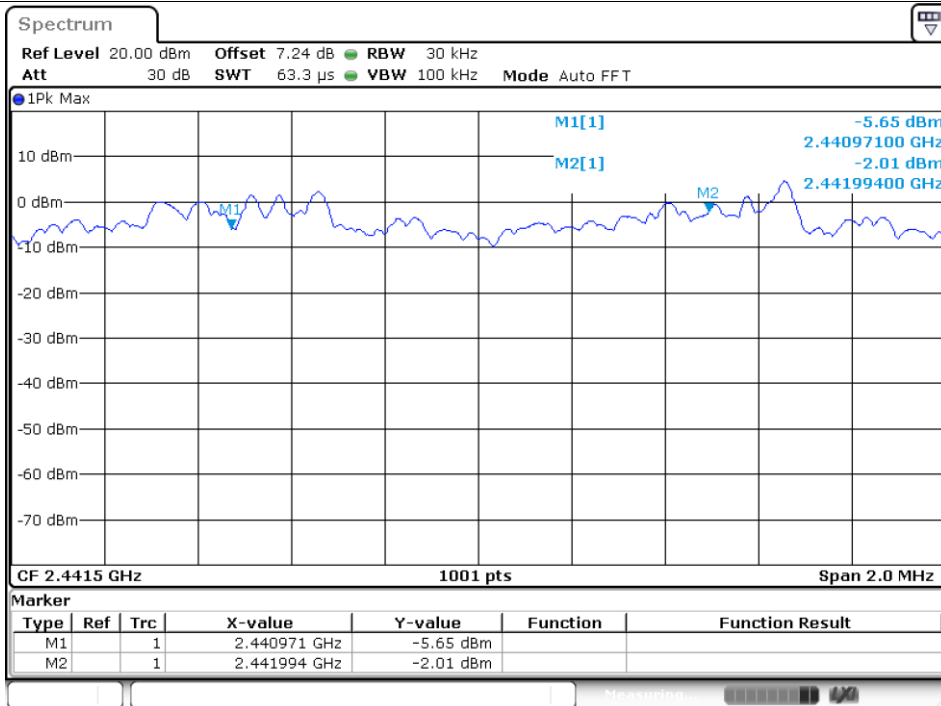
CFS NVNT 2-DH5 2480MHz Ant1

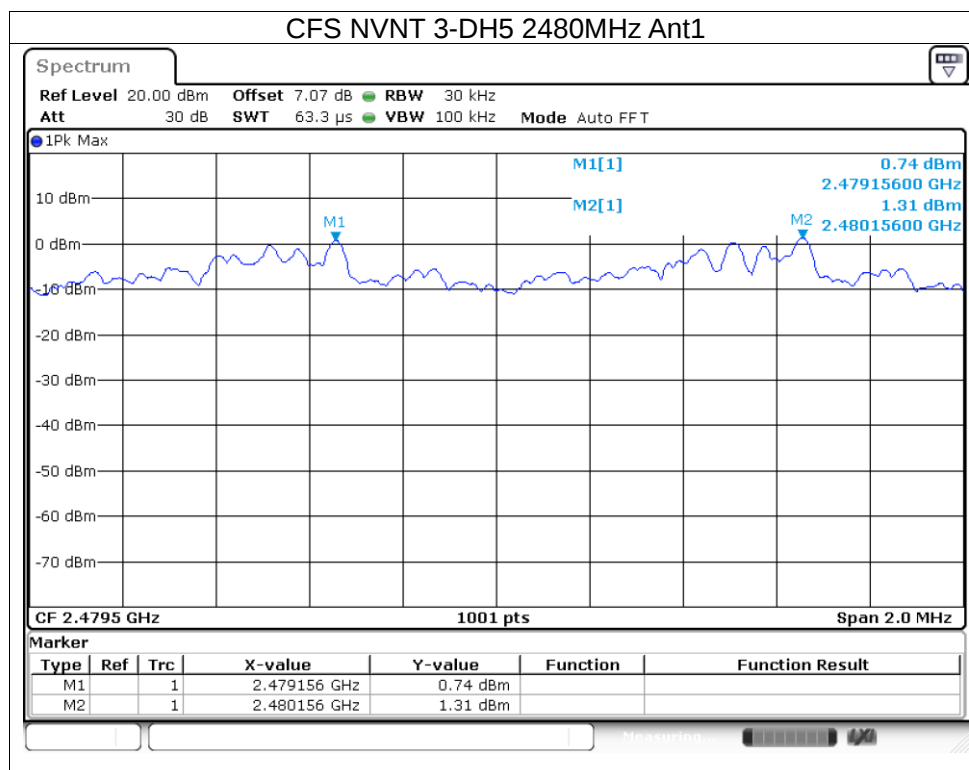


CFS NVNT 3-DH5 2402MHz Ant1



CFS NVNT 3-DH5 2441MHz Ant1



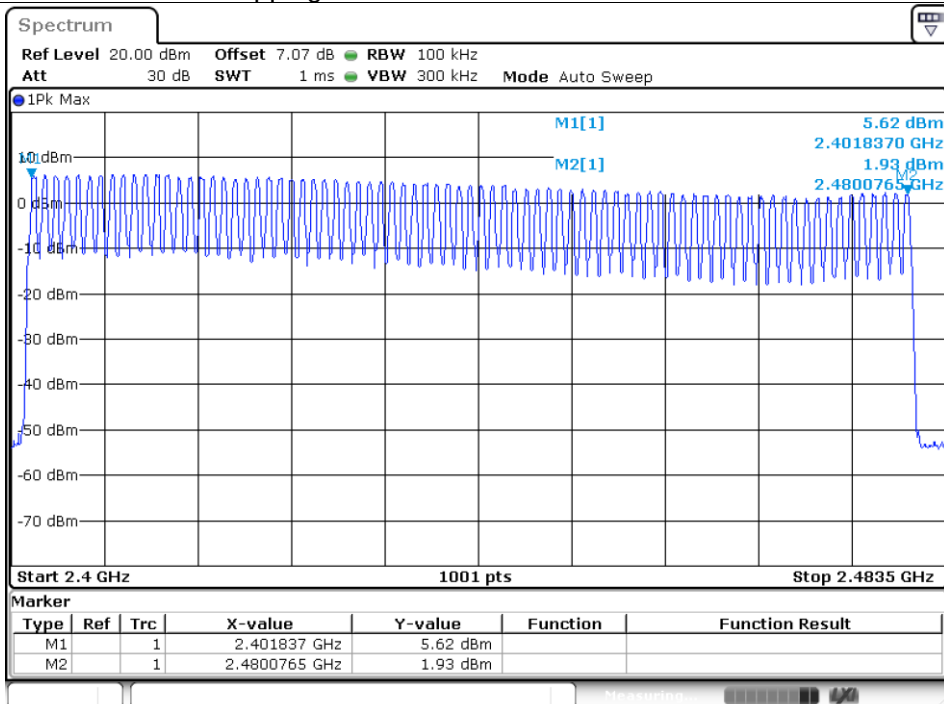


8.6 NUMBER OF HOPPING CHANNEL

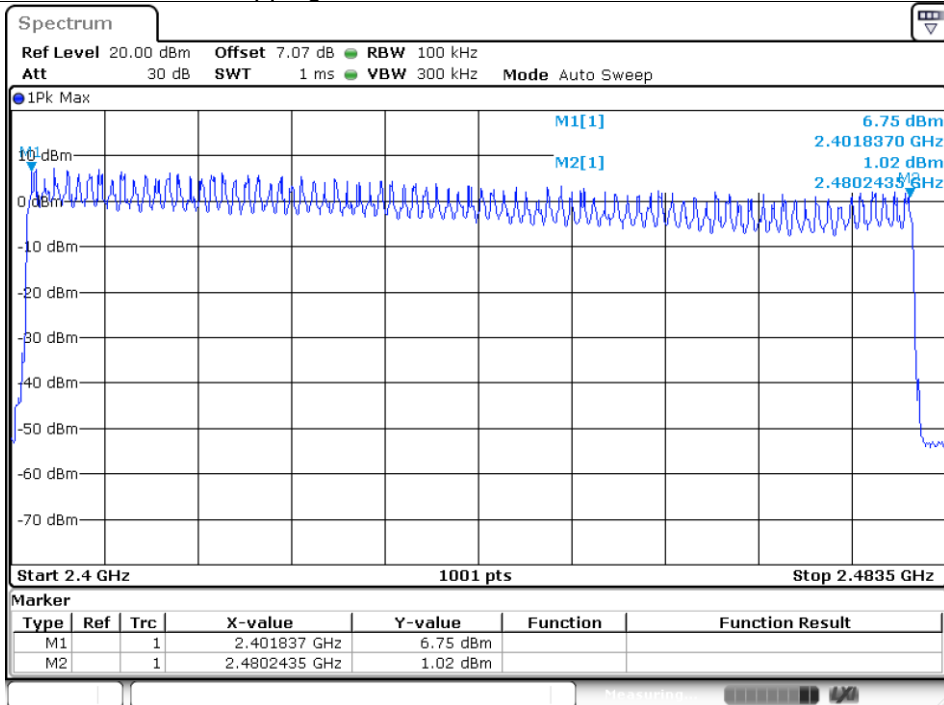
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass
NVNT	2-DH5	Ant1	79	15	Pass
NVNT	3-DH5	Ant1	79	15	Pass

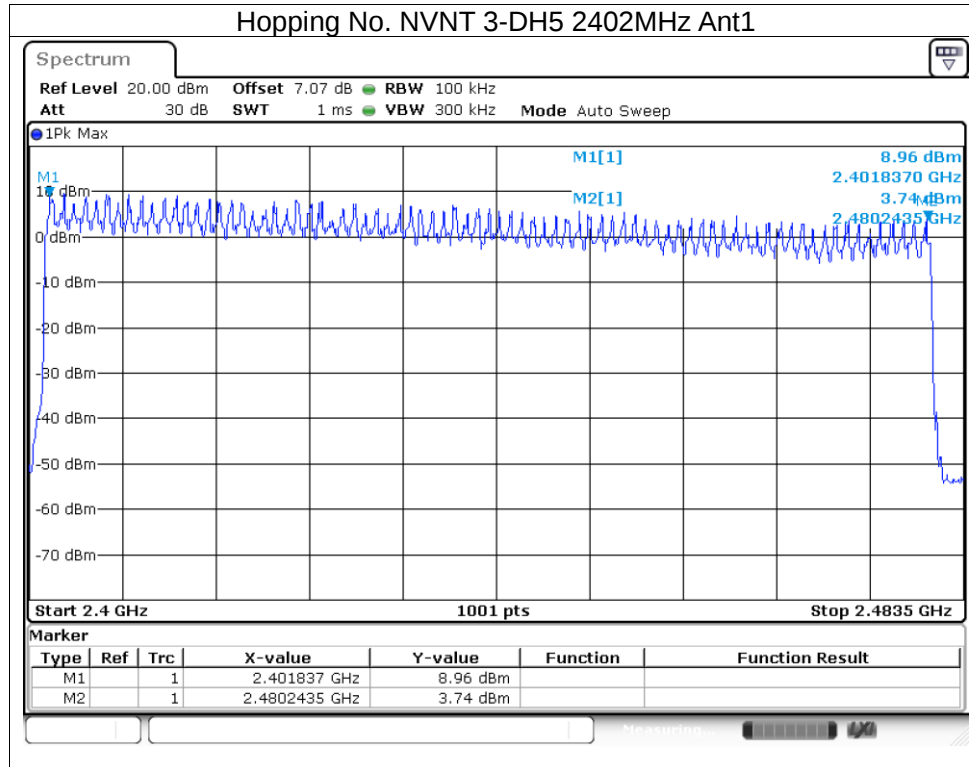
Test Graphs

Hopping No. NVNT 1-DH5 2402MHz Ant1



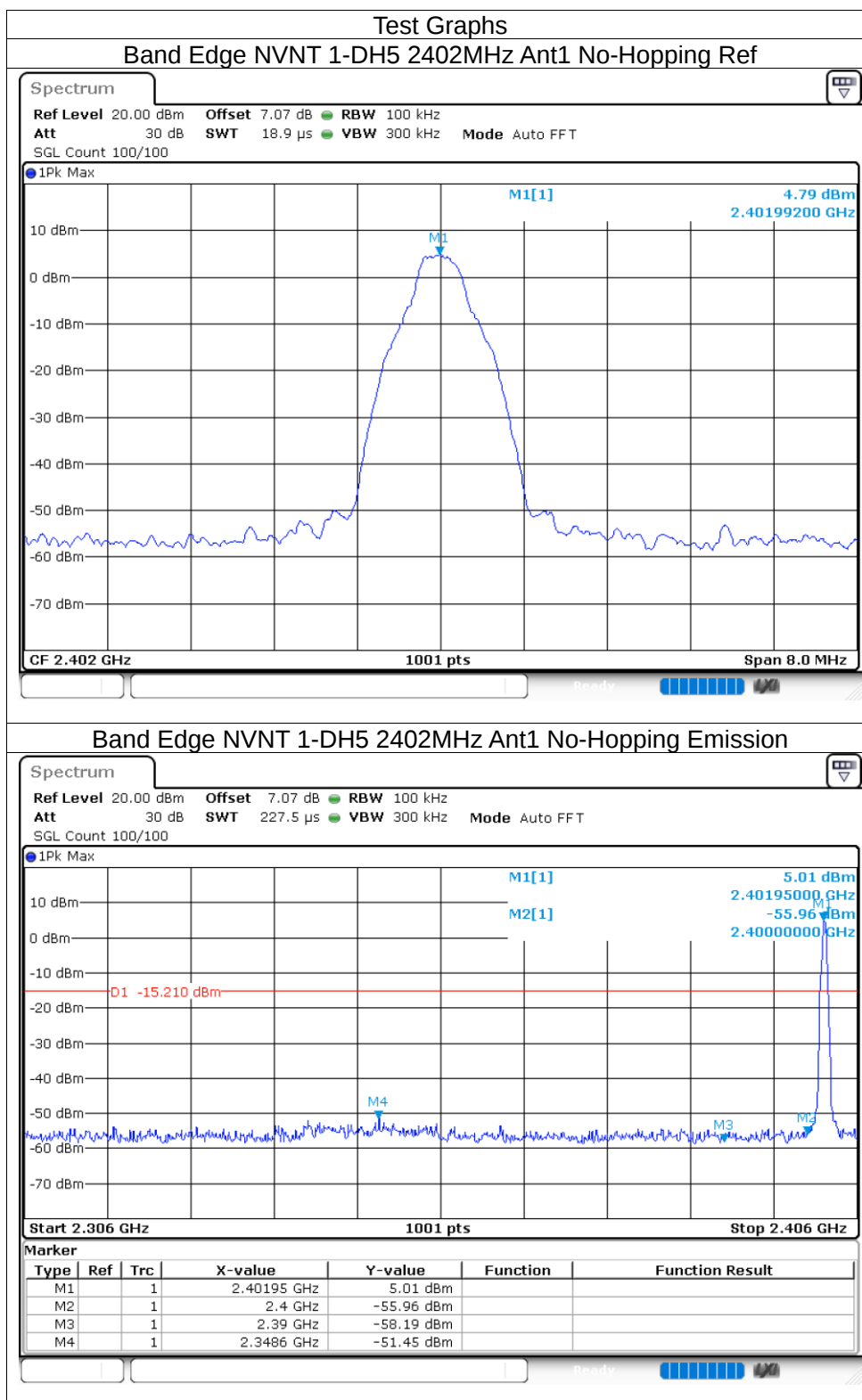
Hopping No. NVNT 2-DH5 2402MHz Ant1





8.7 BAND EDGE

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-56.24	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-58.63	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-53.12	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-54.82	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-52.05	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-56.44	-20	Pass

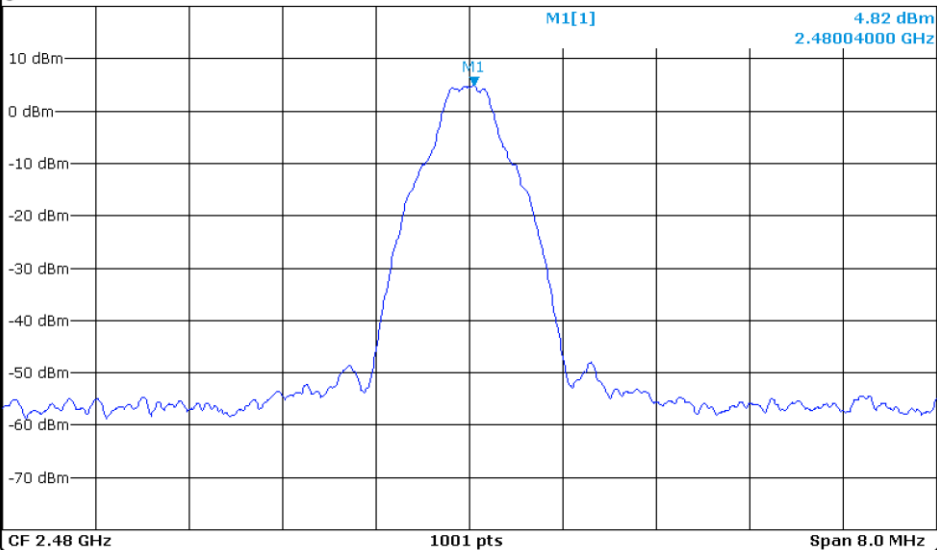


Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref

Spectrum

Ref Level 20.00 dBm Offset 7.07 dB RBW 100 kHz
Att 30 dB SWT 18.9 μ s VBW 300 kHz Mode Auto FFT
SGL Count 100/100

1Pk Max

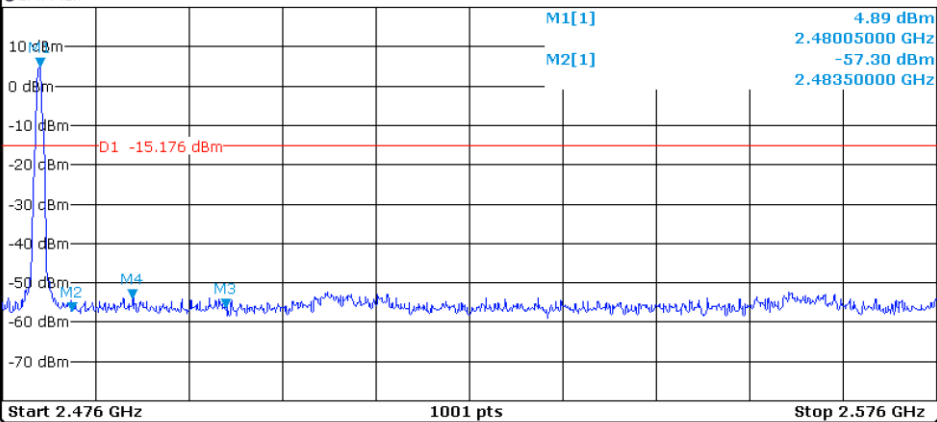


Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission

Spectrum

Ref Level 20.00 dBm Offset 7.07 dB RBW 100 kHz
Att 30 dB SWT 227.5 μ s VBW 300 kHz Mode Auto FFT
SGL Count 100/100

1Pk Max



Marker

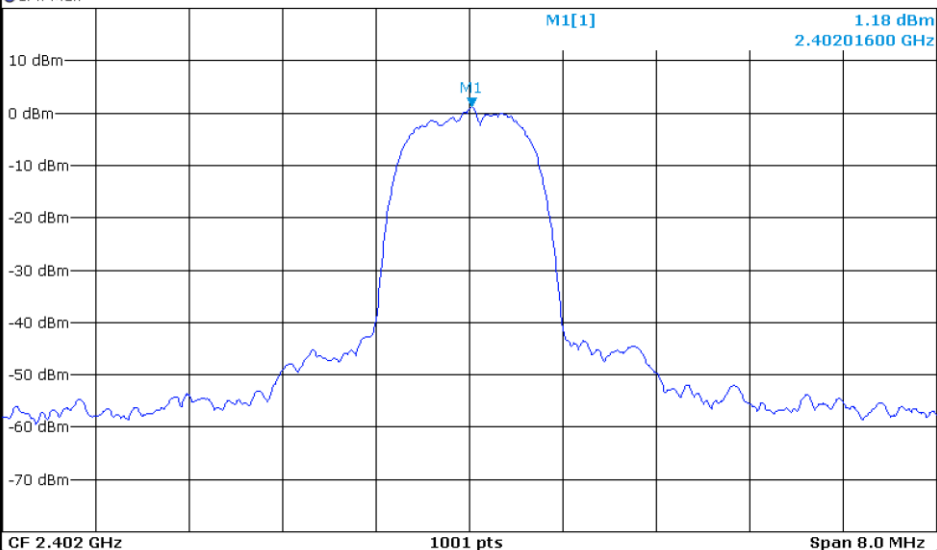
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.48005 GHz	4.89 dBm		
M2		1	2.4835 GHz	-57.30 dBm		
M3		1	2.5 GHz	-56.36 dBm		
M4		1	2.49 GHz	-53.81 dBm		

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

Spectrum

Ref Level 20.00 dBm Offset 7.07 dB RBW 100 kHz
Att 30 dB SWT 18.9 μ s VBW 300 kHz Mode Auto FFT
SGL Count 100/100

1Pk Max

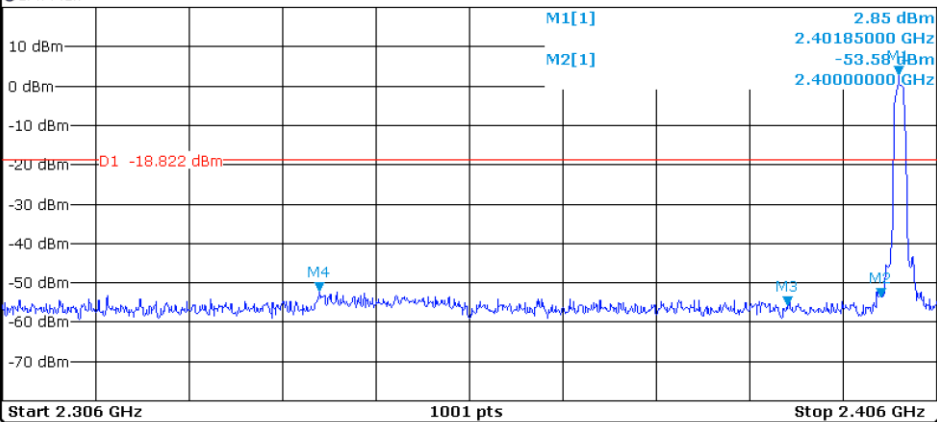


Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission

Spectrum

Ref Level 20.00 dBm Offset 7.07 dB RBW 100 kHz
Att 30 dB SWT 227.5 μ s VBW 300 kHz Mode Auto FFT
SGL Count 100/100

1Pk Max



Marker

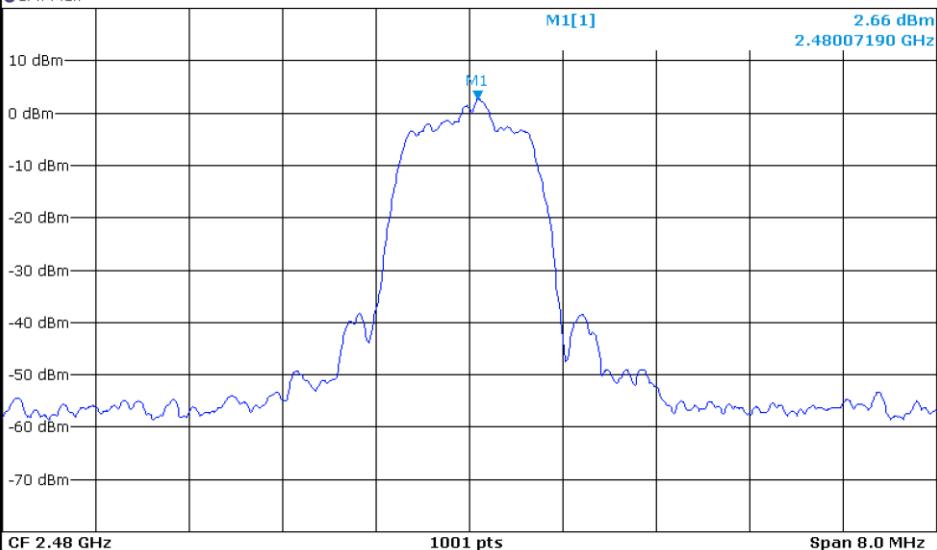
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.40185 GHz	2.85 dBm		
M2		1	2.4 GHz	-53.58 dBm		
M3		1	2.39 GHz	-55.72 dBm		
M4		1	2.3399 GHz	-51.95 dBm		

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

Spectrum

Ref Level 20.00 dBm Offset 7.07 dB RBW 100 kHz
Att 30 dB SWT 18.9 μ s VBW 300 kHz Mode Auto FFT
SGL Count 100/100

1Pk Max

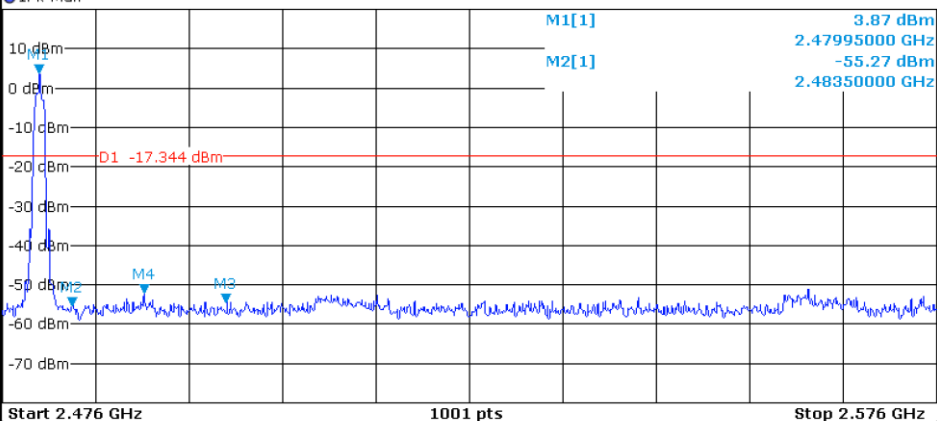


Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission

Spectrum

Ref Level 20.00 dBm Offset 7.07 dB RBW 100 kHz
Att 30 dB SWT 227.5 μ s VBW 300 kHz Mode Auto FFT
SGL Count 100/100

1Pk Max



Marker

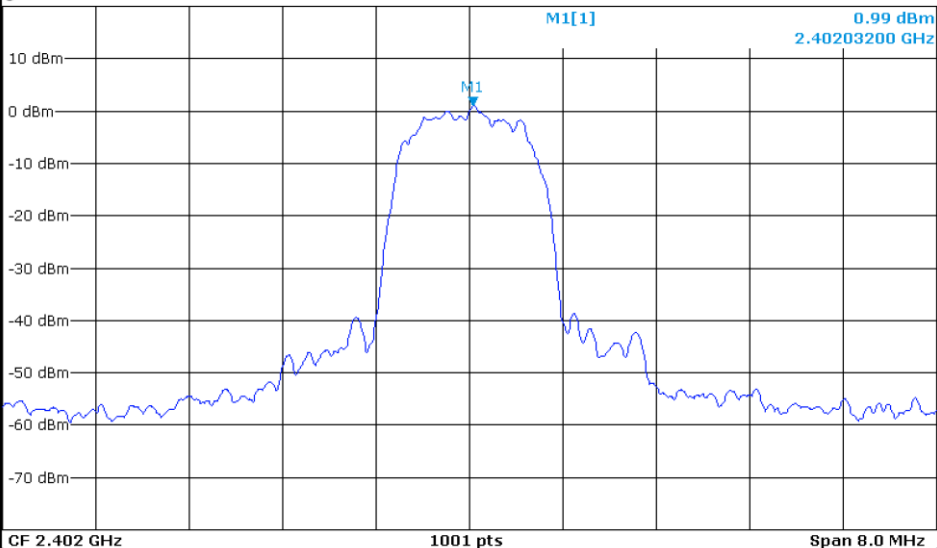
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.47995 GHz	3.87 dBm		
M2		1	2.4835 GHz	-55.27 dBm		
M3		1	2.5 GHz	-54.49 dBm		
M4		1	2.4912 GHz	-52.17 dBm		

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

Spectrum

Ref Level 20.00 dBm Offset 7.07 dB RBW 100 kHz
Att 30 dB SWT 18.9 μ s VBW 300 kHz Mode Auto FFT
SGL Count 100/100

1Pk Max

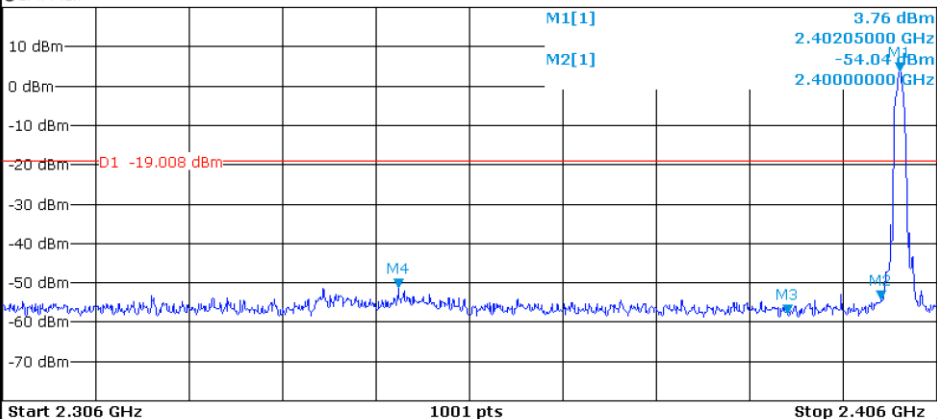


Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Emission

Spectrum

Ref Level 20.00 dBm Offset 7.07 dB RBW 100 kHz
Att 30 dB SWT 227.5 μ s VBW 300 kHz Mode Auto FFT
SGL Count 100/100

1Pk Max



Marker

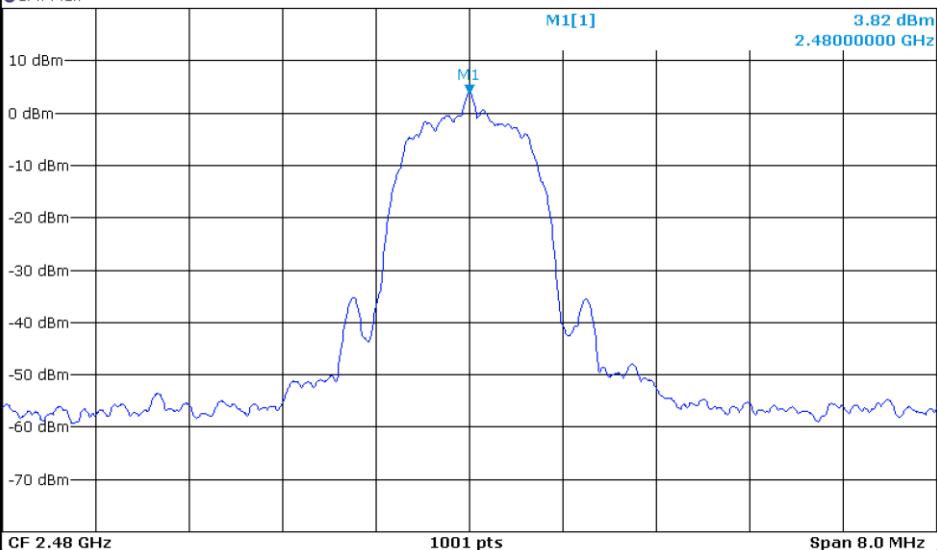
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.40205 GHz	3.76 dBm		
M2		1	2.4 GHz	-54.04 dBm		
M3		1	2.39 GHz	-57.71 dBm		
M4		1	2.3484 GHz	-51.06 dBm		

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

Spectrum

Ref Level 20.00 dBm Offset 7.07 dB RBW 100 kHz
Att 30 dB SWT 18.9 μ s VBW 300 kHz Mode Auto FFT
SGL Count 100/100

1Pk Max

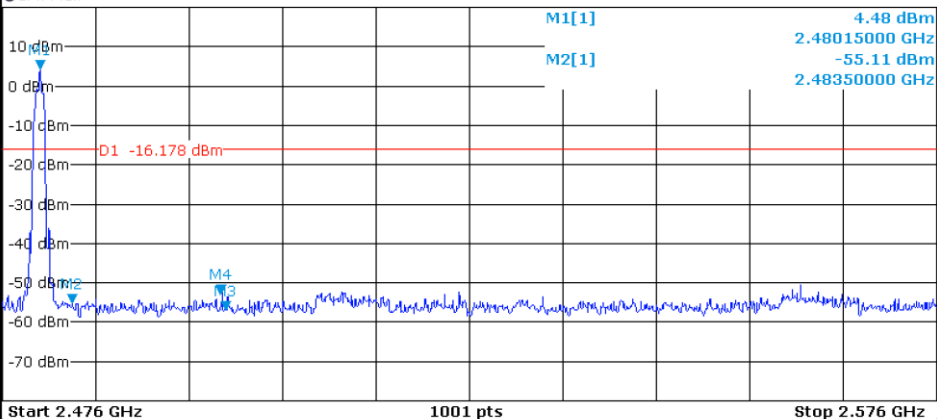


Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Emission

Spectrum

Ref Level 20.00 dBm Offset 7.07 dB RBW 100 kHz
Att 30 dB SWT 227.5 μ s VBW 300 kHz Mode Auto FFT
SGL Count 100/100

1Pk Max

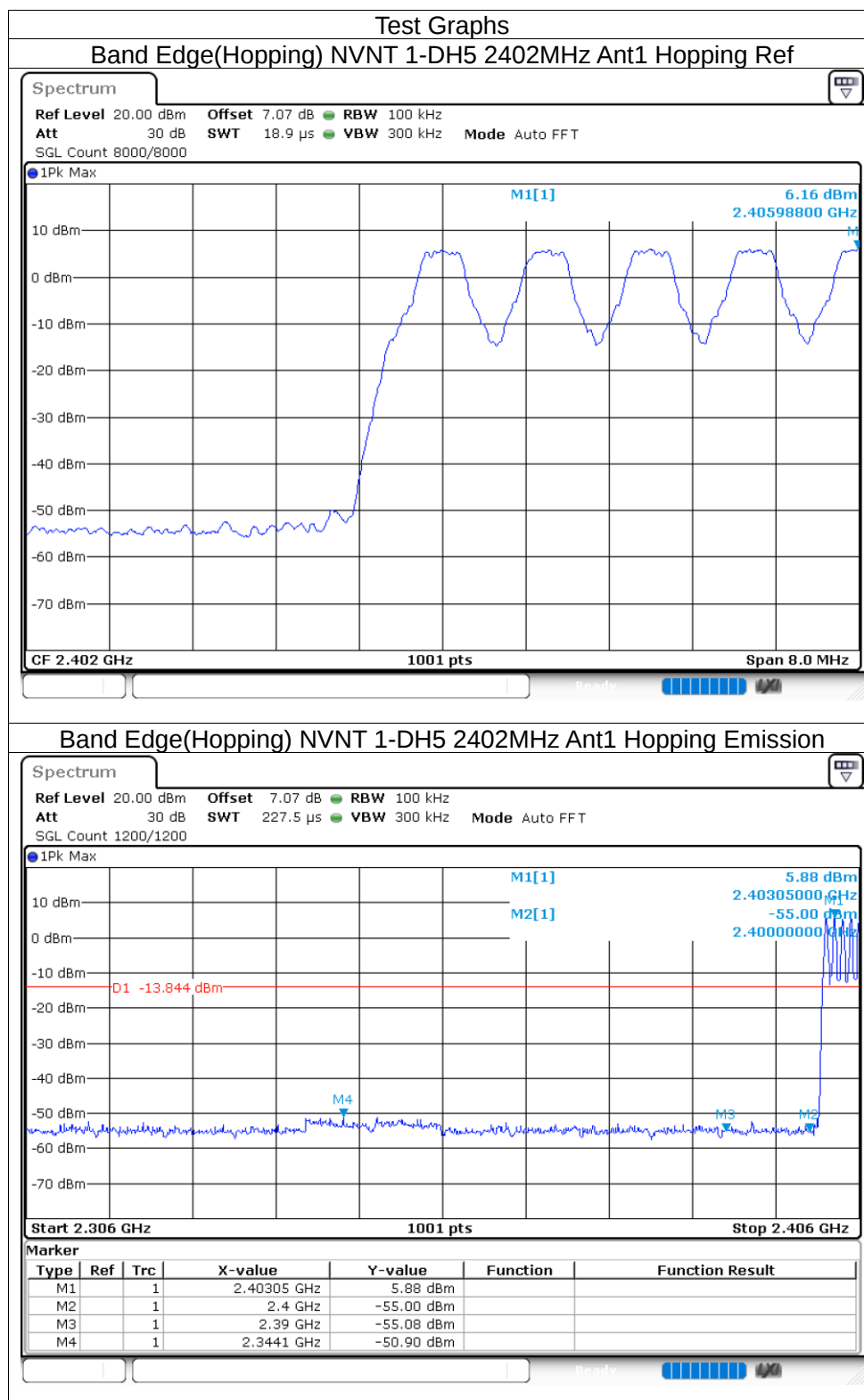


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		2.48015 GHz	4.48 dBm		
M2	1		2.4835 GHz	-55.11 dBm		
M3	1		2.5 GHz	-57.01 dBm		
M4	1		2.4995 GHz	-52.63 dBm		

8.8 BAND EDGE(HOPPING)

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-57.06	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-54.84	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-57.45	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-55.25	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-58.8	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-57.85	-20	Pass

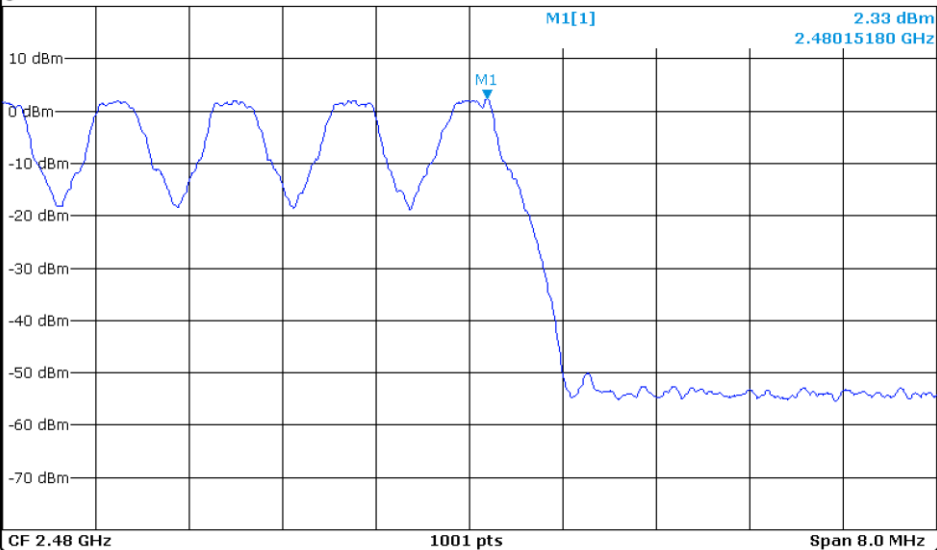


Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref

Spectrum

Ref Level 20.00 dBm Offset 7.07 dB RBW 100 kHz
Att 30 dB SWT 18.9 μ s VBW 300 kHz Mode Auto FFT
SGL Count 8000/8000

1Pk Max

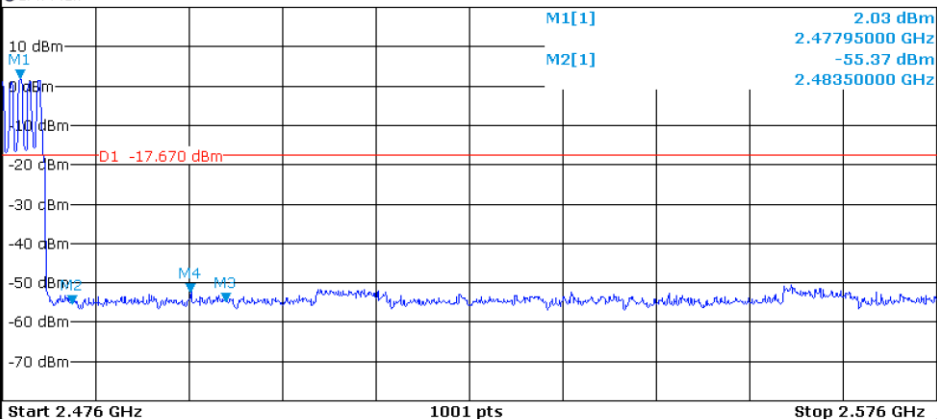


Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Emission

Spectrum

Ref Level 20.00 dBm Offset 7.07 dB RBW 100 kHz
Att 30 dB SWT 227.5 μ s VBW 300 kHz Mode Auto FFT
SGL Count 1200/1200

1Pk Max



Marker

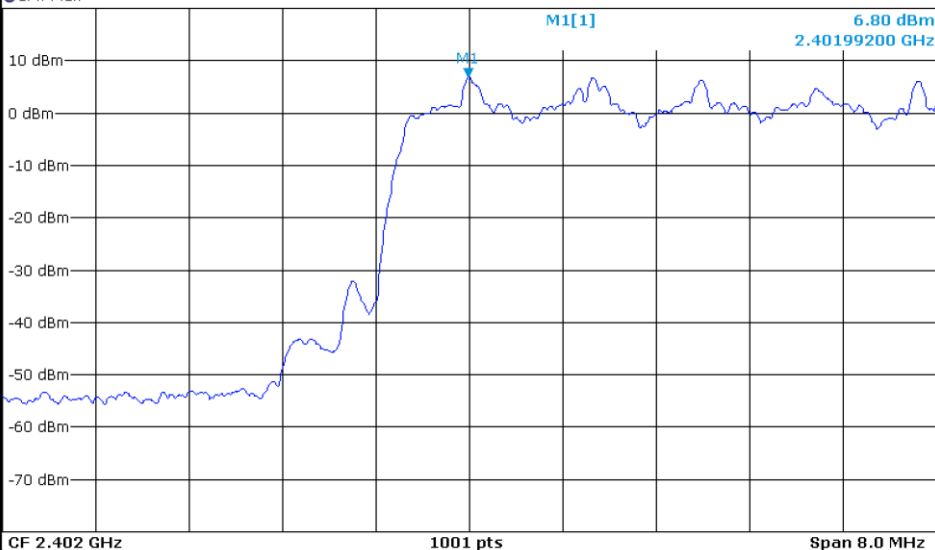
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.47795 GHz	2.03 dBm		
M2		1	2.4835 GHz	-55.37 dBm		
M3		1	2.5 GHz	-54.69 dBm		
M4		1	2.4962 GHz	-52.52 dBm		

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

Spectrum

Ref Level 20.00 dBm Offset 7.07 dB RBW 100 kHz
Att 30 dB SWT 18.9 μ s VBW 300 kHz Mode Auto FFT
SGL Count 8000/8000

1Pk Max

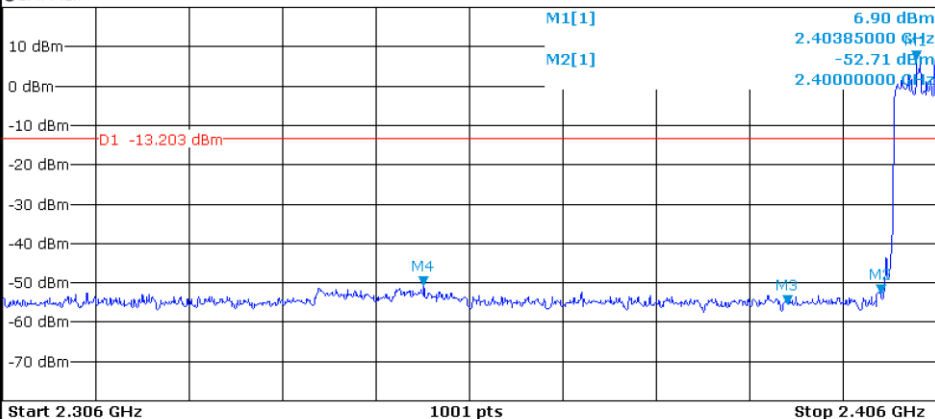


Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Emission

Spectrum

Ref Level 20.00 dBm Offset 7.07 dB RBW 100 kHz
Att 30 dB SWT 227.5 μ s VBW 300 kHz Mode Auto FFT
SGL Count 1200/1200

1Pk Max



Marker

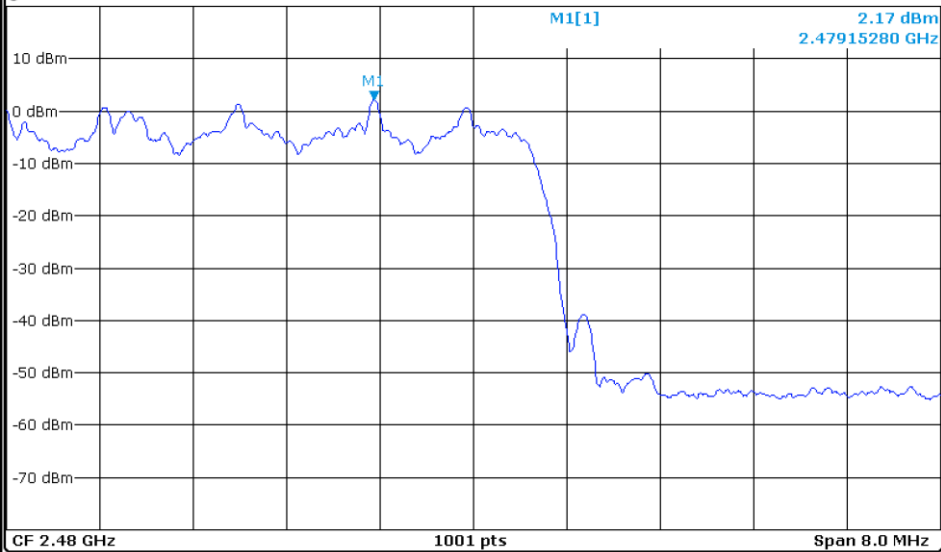
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		2.40385 GHz	6.90 dBm		
M2	1		2.4 GHz	-52.71 dBm		
M3	1		2.39 GHz	-55.27 dBm		
M4	1		2.3511 GHz	-50.65 dBm		

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

Spectrum

Ref Level 20.00 dBm Offset 7.07 dB RBW 100 kHz
Att 30 dB SWT 18.9 μ s VBW 300 kHz Mode Auto FFT
SGL Count 8000/8000

1Pk Max

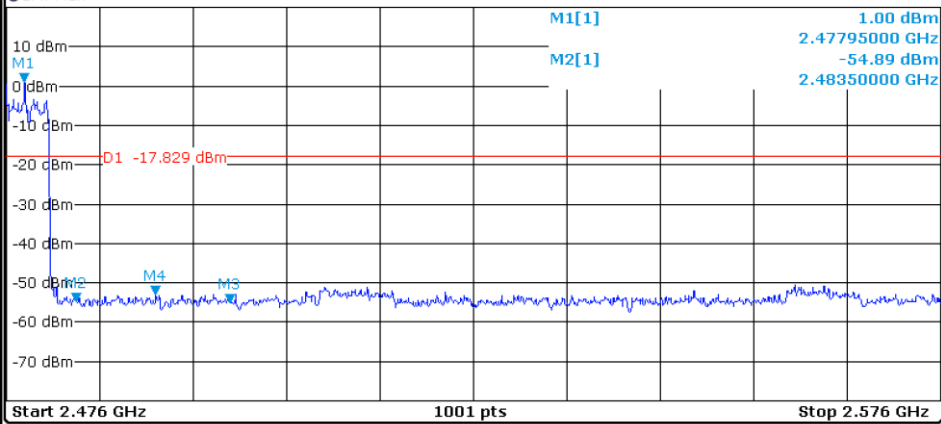


Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Emission

Spectrum

Ref Level 20.00 dBm Offset 7.07 dB RBW 100 kHz
Att 30 dB SWT 227.5 μ s VBW 300 kHz Mode Auto FFT
SGL Count 1200/1200

1Pk Max



Marker

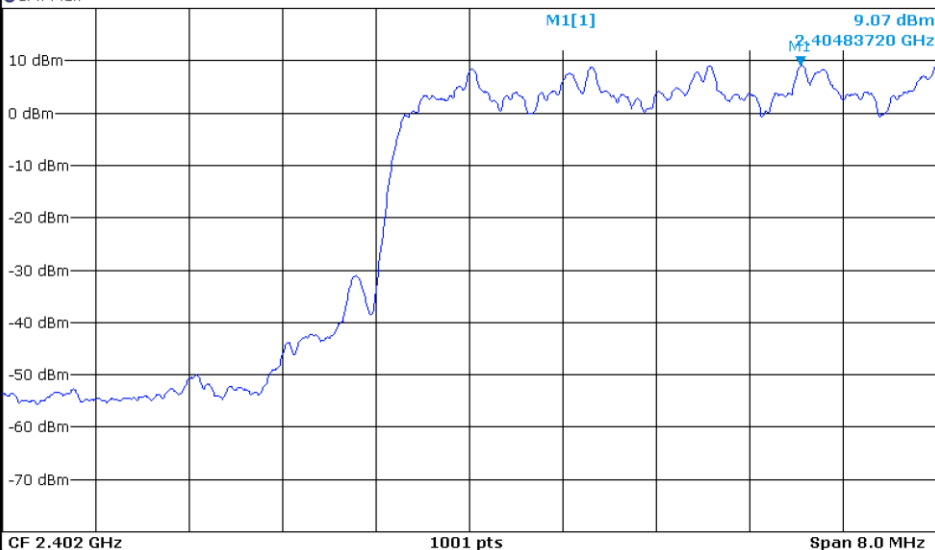
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.47795 GHz	1.00 dBm		
M2		1	2.4835 GHz	-54.89 dBm		
M3		1	2.5 GHz	-55.05 dBm		
M4		1	2.492 GHz	-53.08 dBm		

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

Spectrum

Ref Level 20.00 dBm Offset 7.07 dB RBW 100 kHz
Att 30 dB SWT 18.9 μ s VBW 300 kHz Mode Auto FFT
SGL Count 8000/8000

1Pk Max

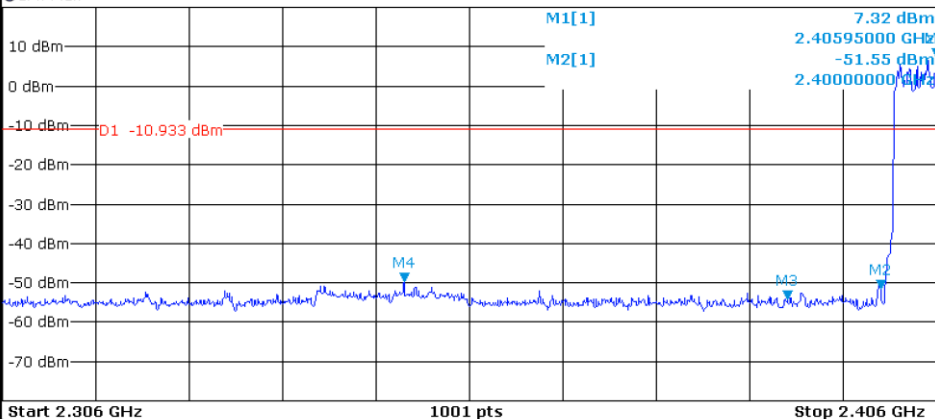


Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Emission

Spectrum

Ref Level 20.00 dBm Offset 7.07 dB RBW 100 kHz
Att 30 dB SWT 227.5 μ s VBW 300 kHz Mode Auto FFT
SGL Count 1200/1200

1Pk Max



Marker

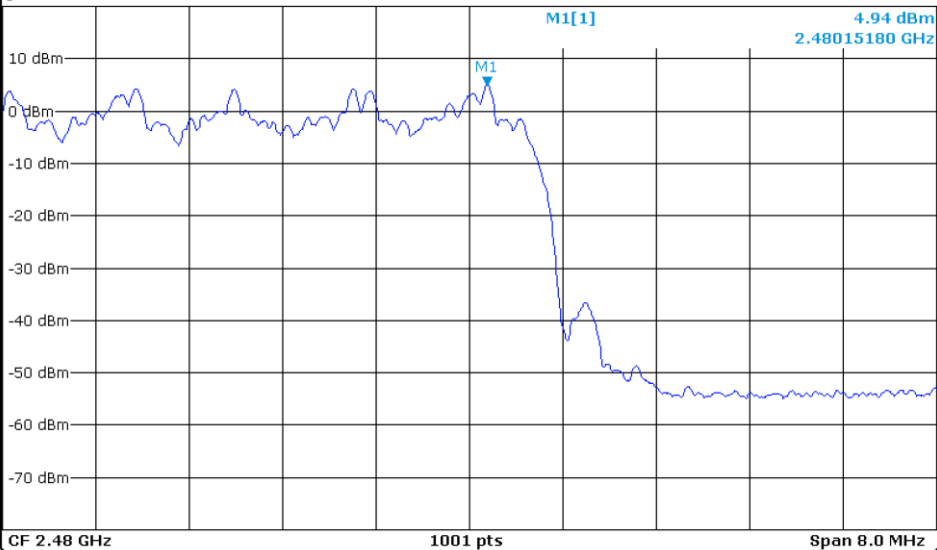
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		2.40595 GHz	7.32 dBm		
M2	1		2.4 GHz	-51.55 dBm		
M3	1		2.39 GHz	-54.04 dBm		
M4	1		2.349 GHz	-49.73 dBm		

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

Spectrum

Ref Level 20.00 dBm Offset 7.07 dB RBW 100 kHz
Att 30 dB SWT 18.9 μ s VBW 300 kHz Mode Auto FFT
SGL Count 8000/8000

1Pk Max

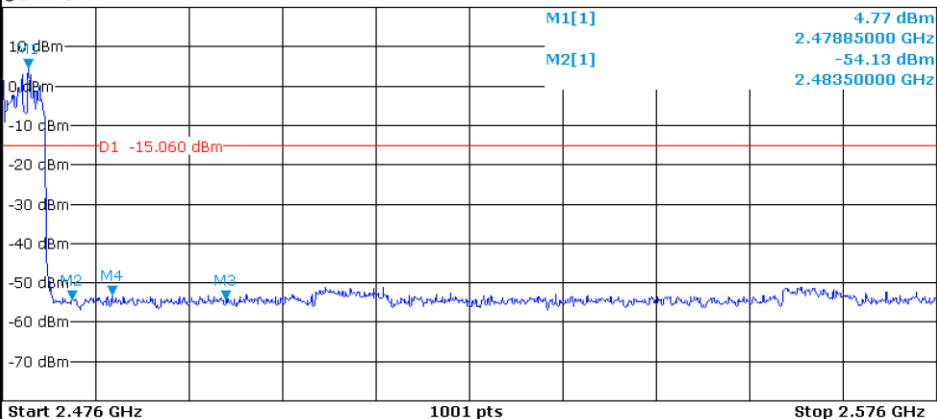


Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Emission

Spectrum

Ref Level 20.00 dBm Offset 7.07 dB RBW 100 kHz
Att 30 dB SWT 227.5 μ s VBW 300 kHz Mode Auto FFT
SGL Count 1200/1200

1Pk Max

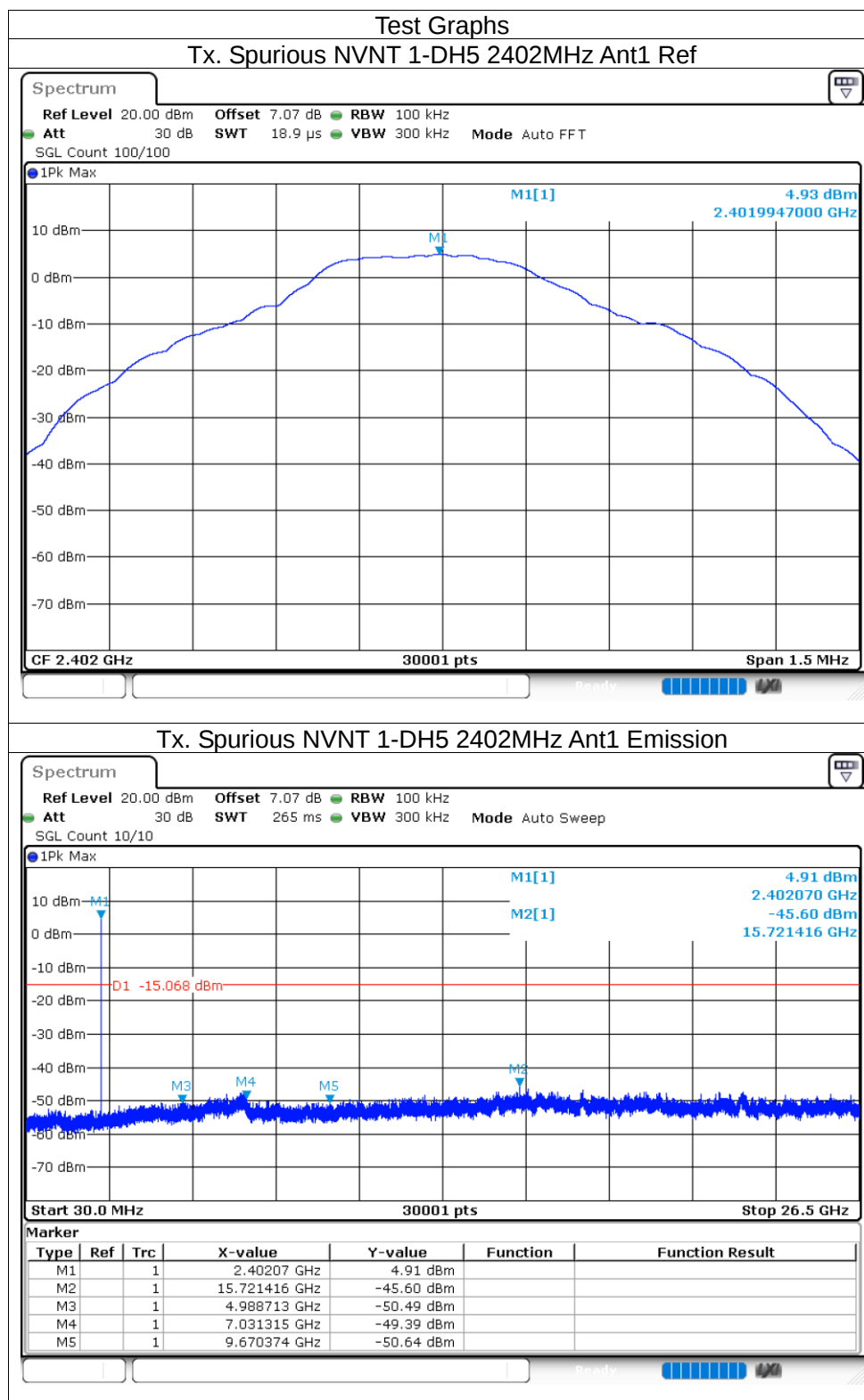


Marker

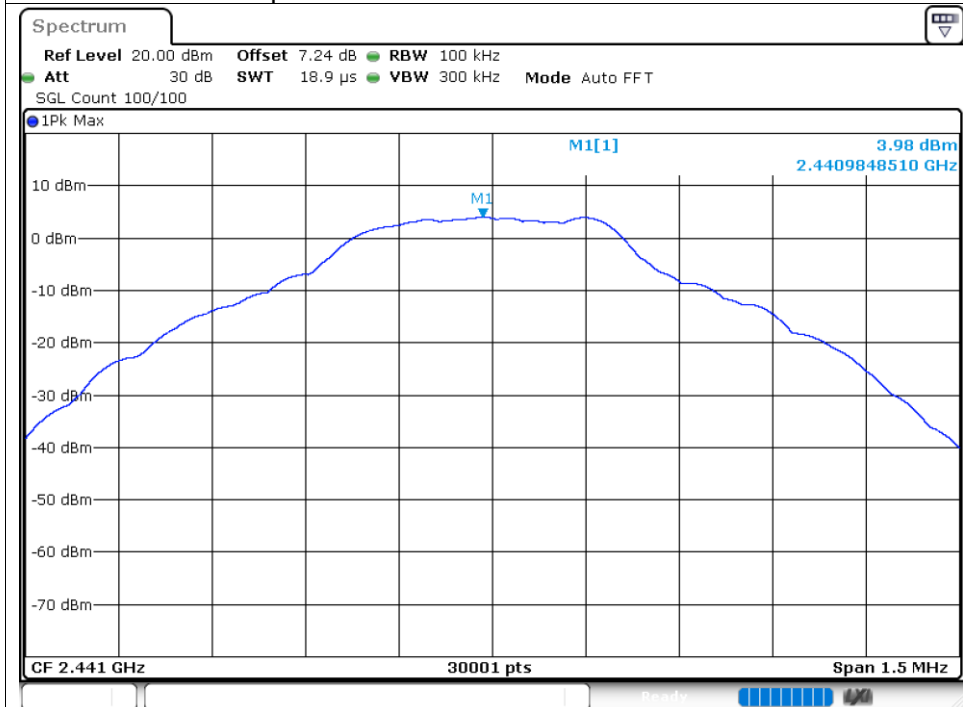
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.47885 GHz	4.77 dBm		
M2		1	2.4835 GHz	-54.13 dBm		
M3		1	2.5 GHz	-54.03 dBm		
M4		1	2.4878 GHz	-52.92 dBm		

8.9 CONDUCTED RF SPURIOUS EMISSION

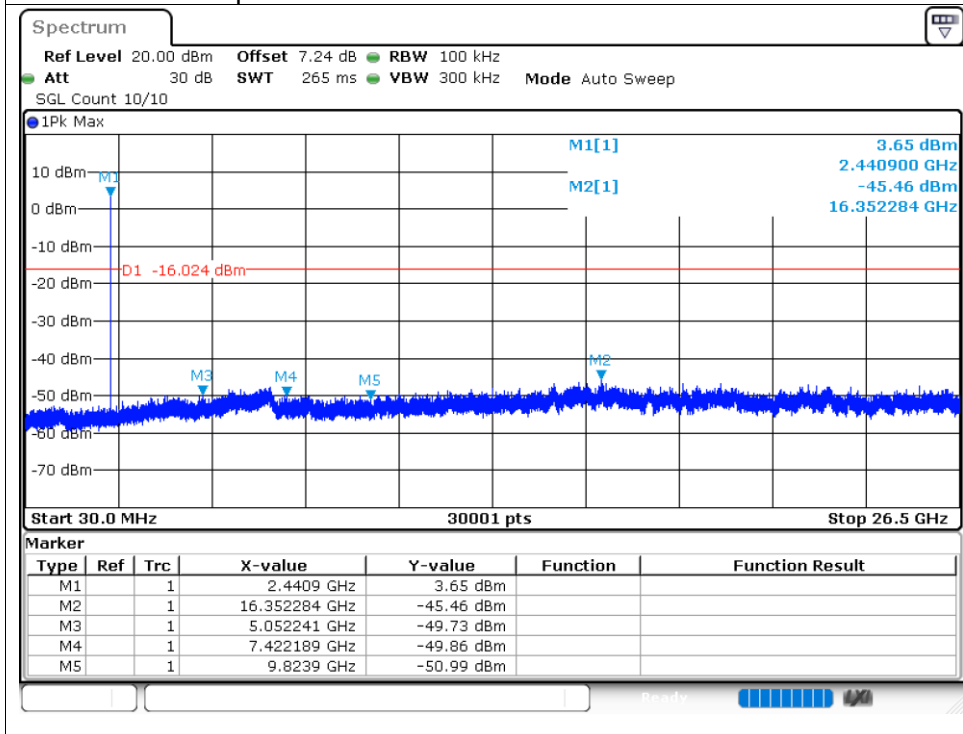
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-50.52	-20	Pass
NVNT	1-DH5	2441	Ant1	-49.44	-20	Pass
NVNT	1-DH5	2480	Ant1	-44.91	-20	Pass
NVNT	2-DH5	2402	Ant1	-49.64	-20	Pass
NVNT	2-DH5	2441	Ant1	-47.34	-20	Pass
NVNT	2-DH5	2480	Ant1	-49.67	-20	Pass
NVNT	3-DH5	2402	Ant1	-50.16	-20	Pass
NVNT	3-DH5	2441	Ant1	-48.36	-20	Pass
NVNT	3-DH5	2480	Ant1	-47.82	-20	Pass



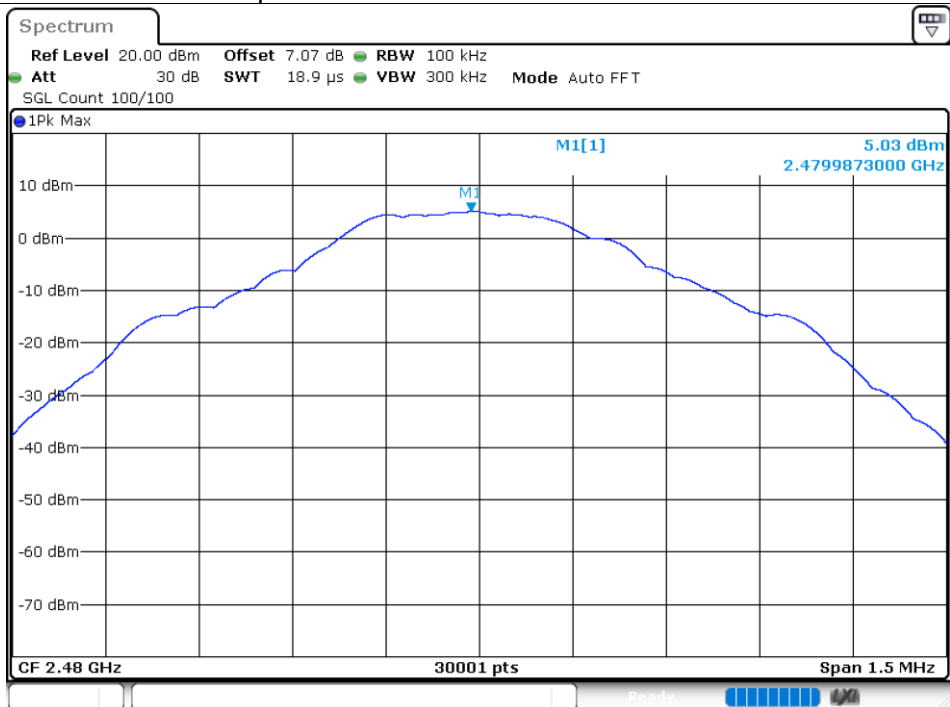
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref



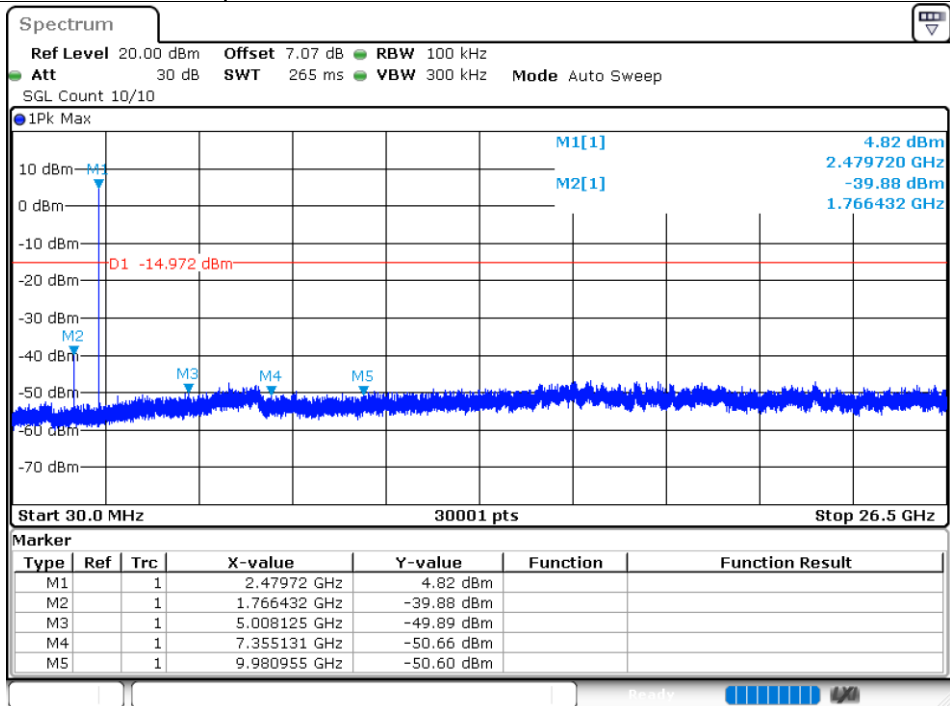
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission



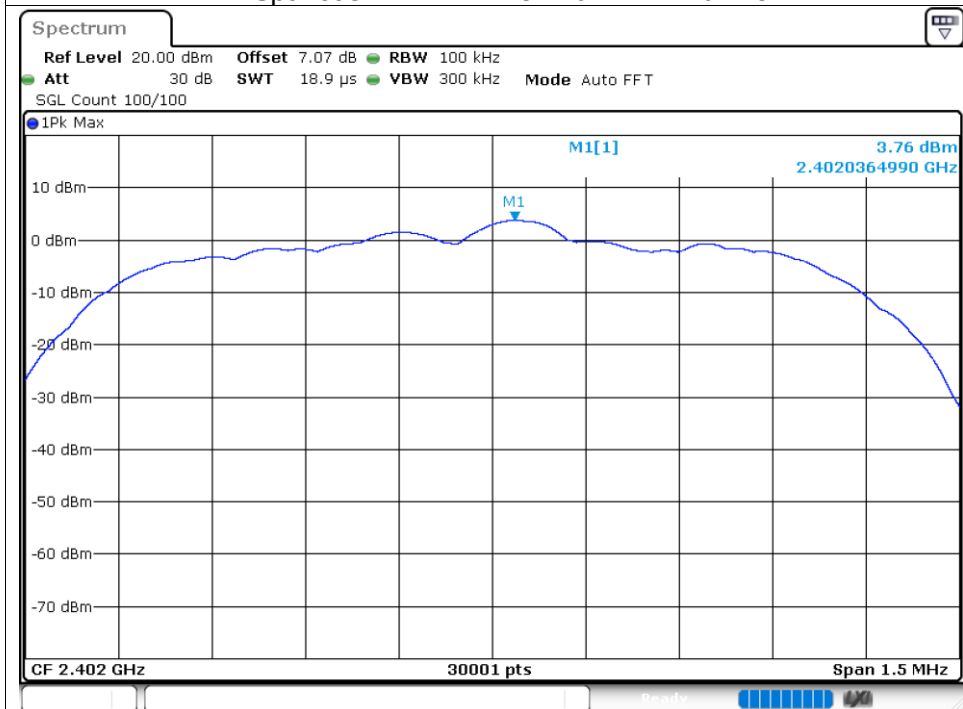
Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref



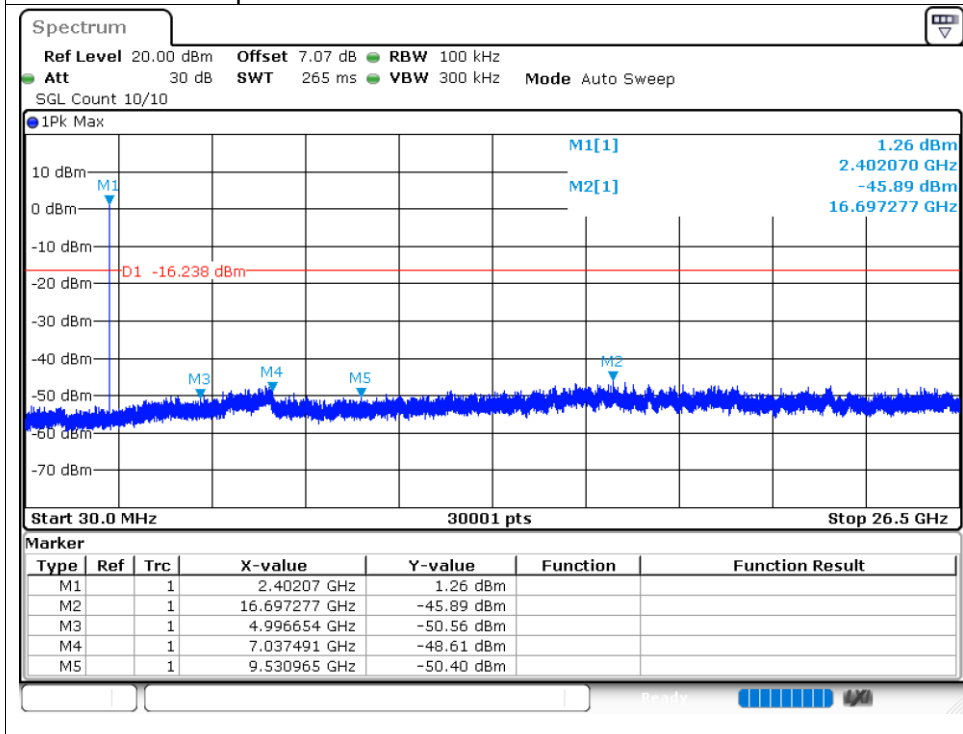
Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Emission



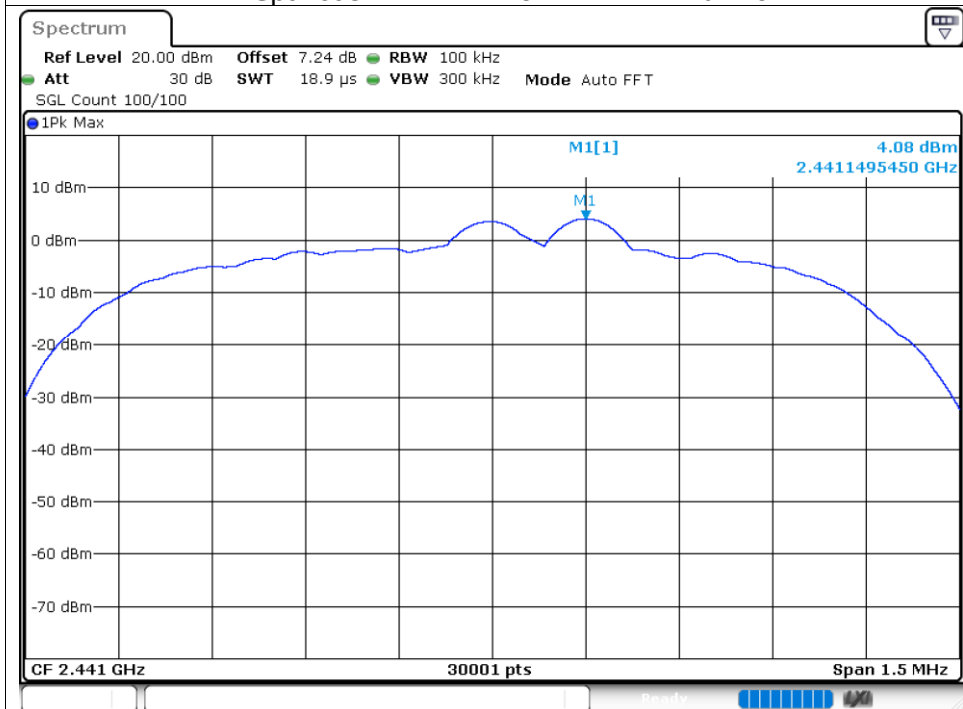
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Ref



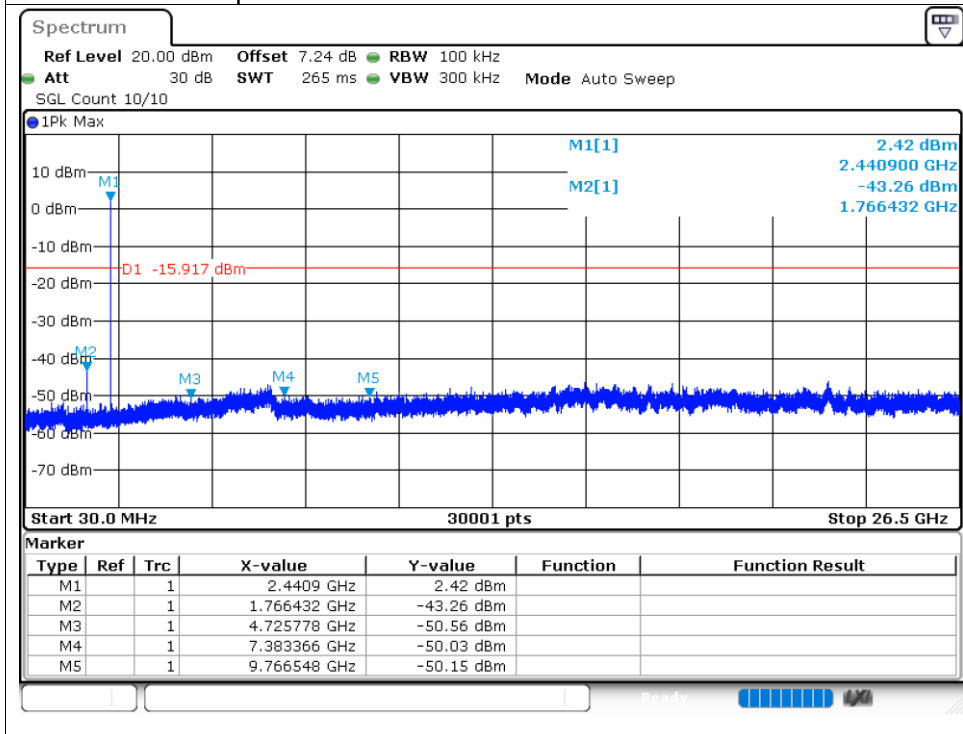
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Emission



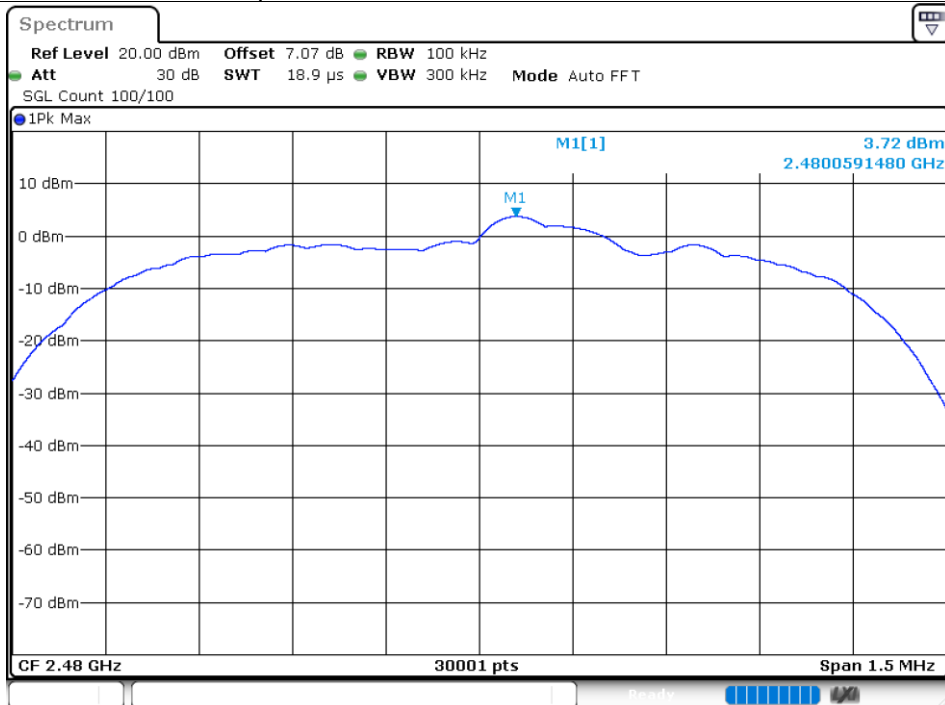
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Ref



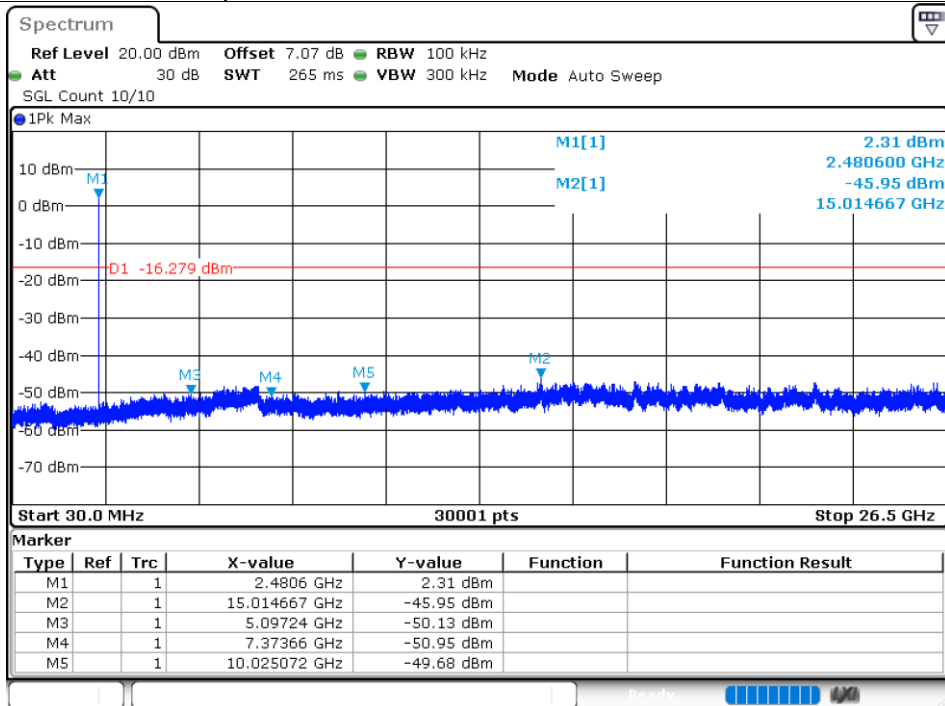
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Emission



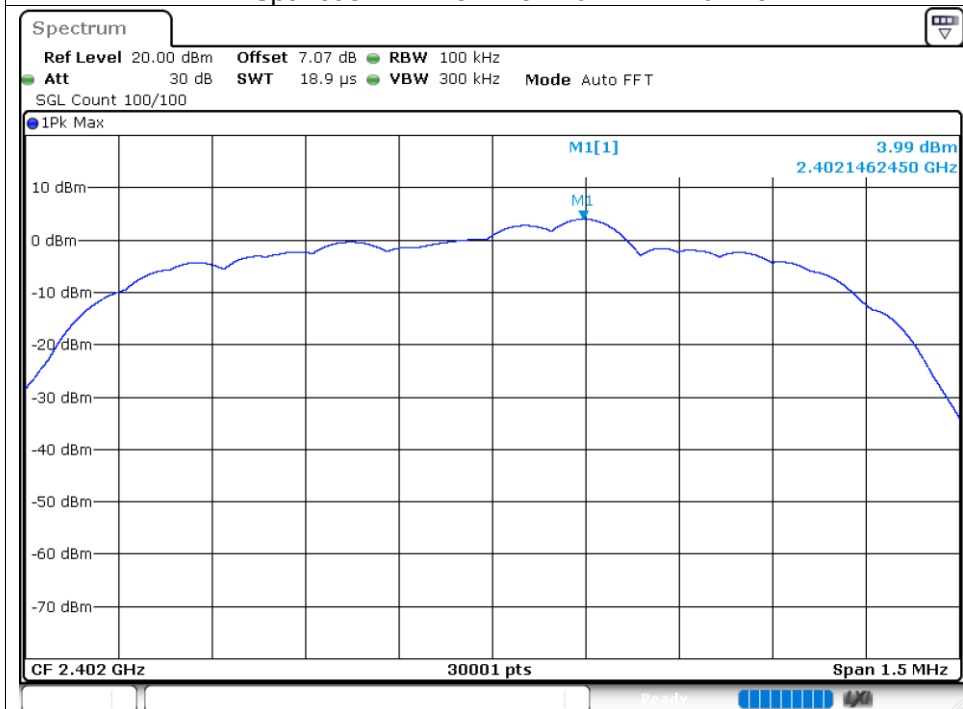
Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Ref



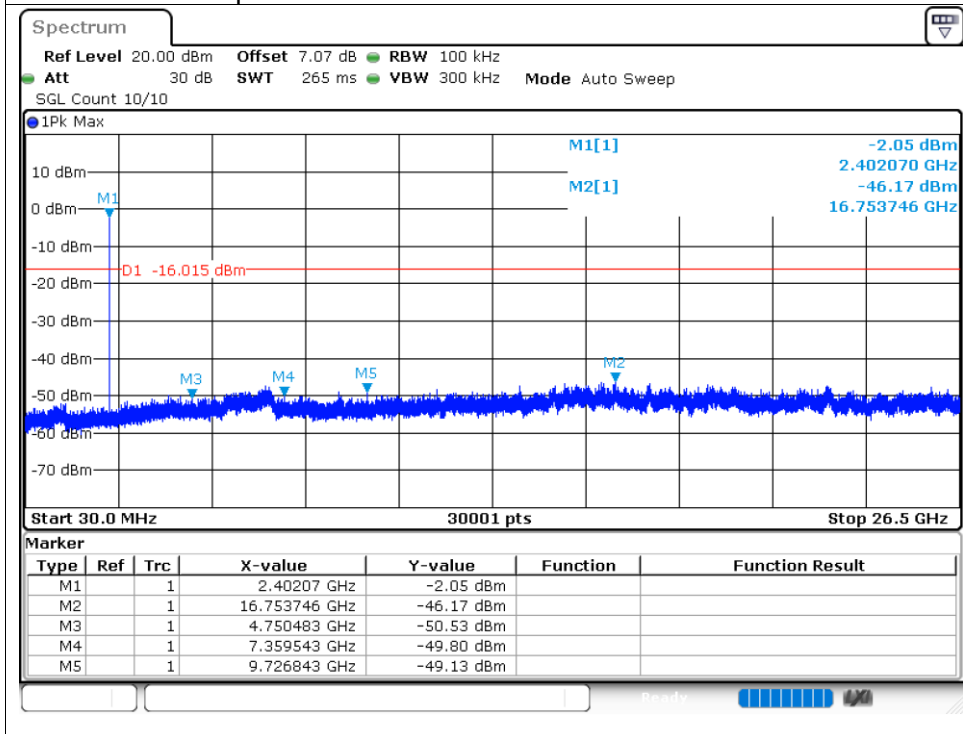
Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Emission



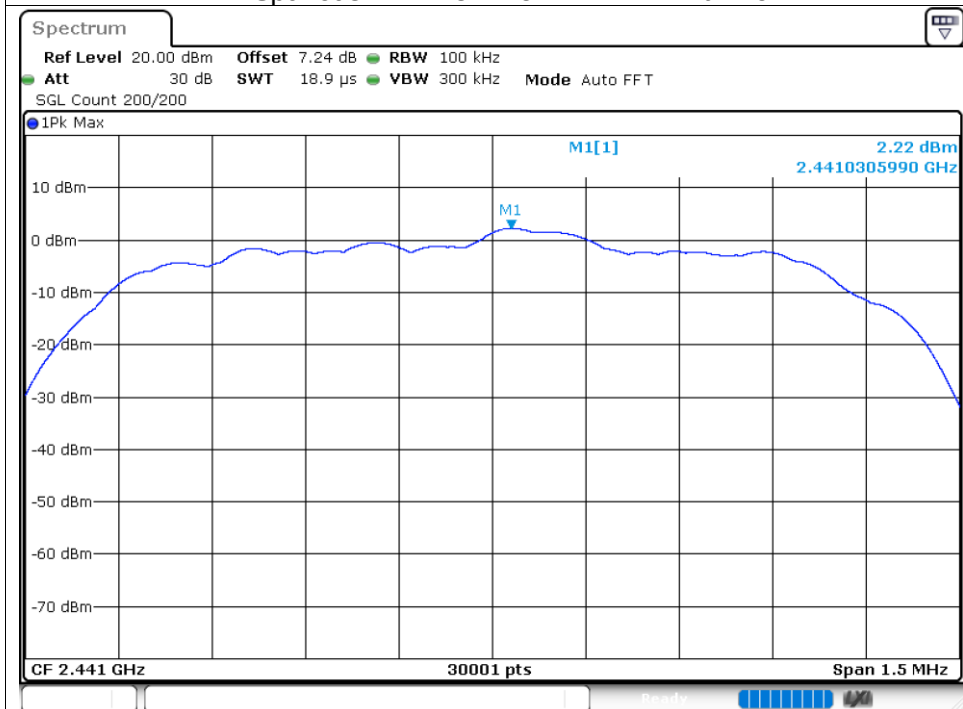
Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Ref



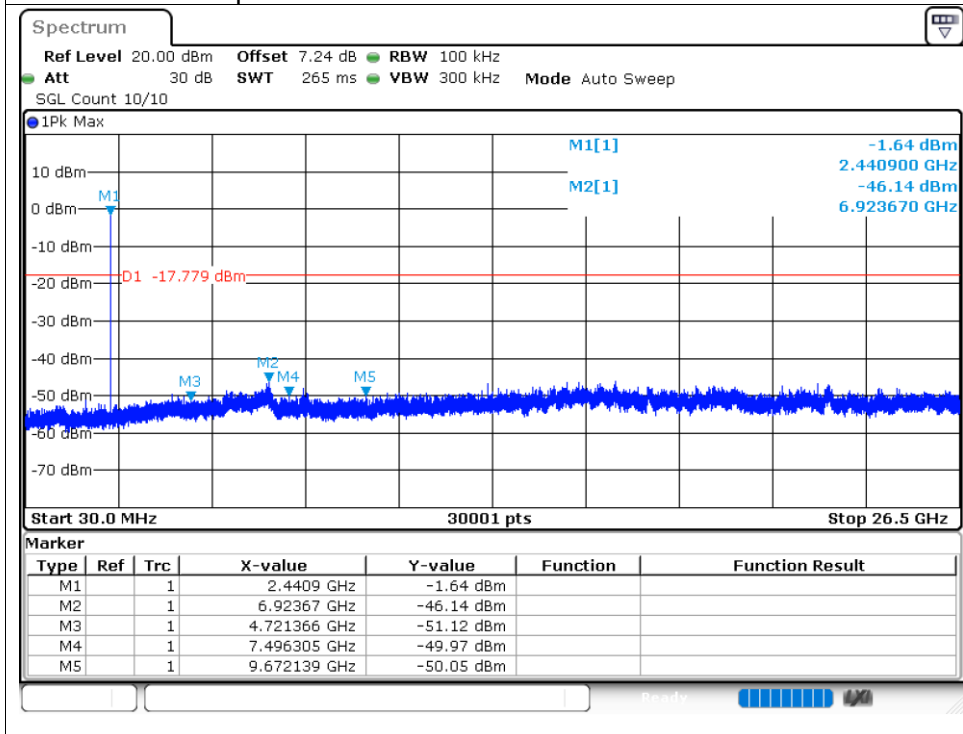
Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Emission



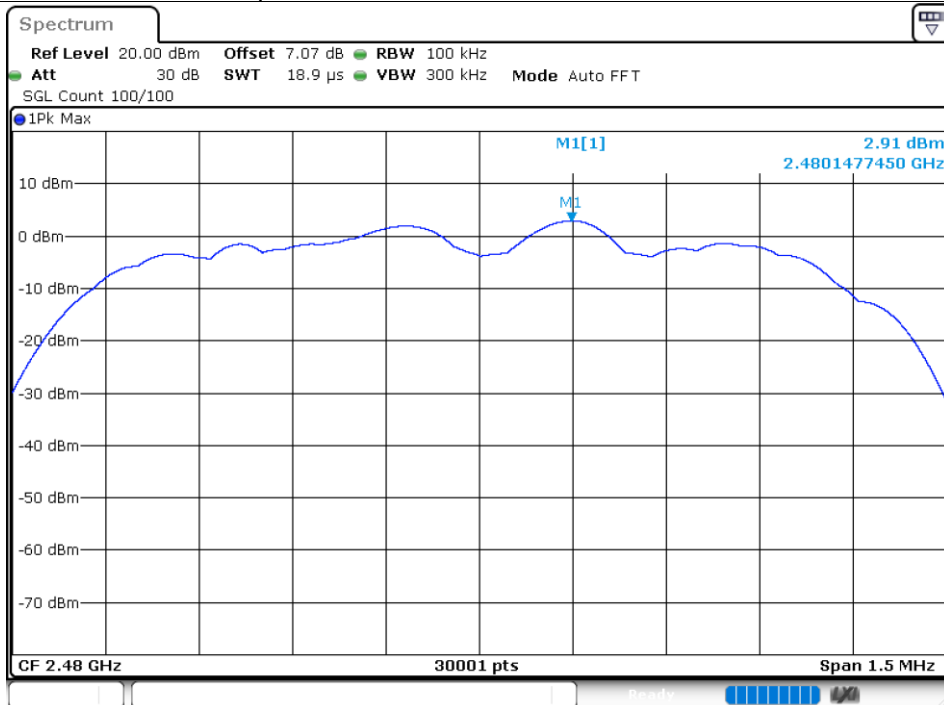
Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Ref



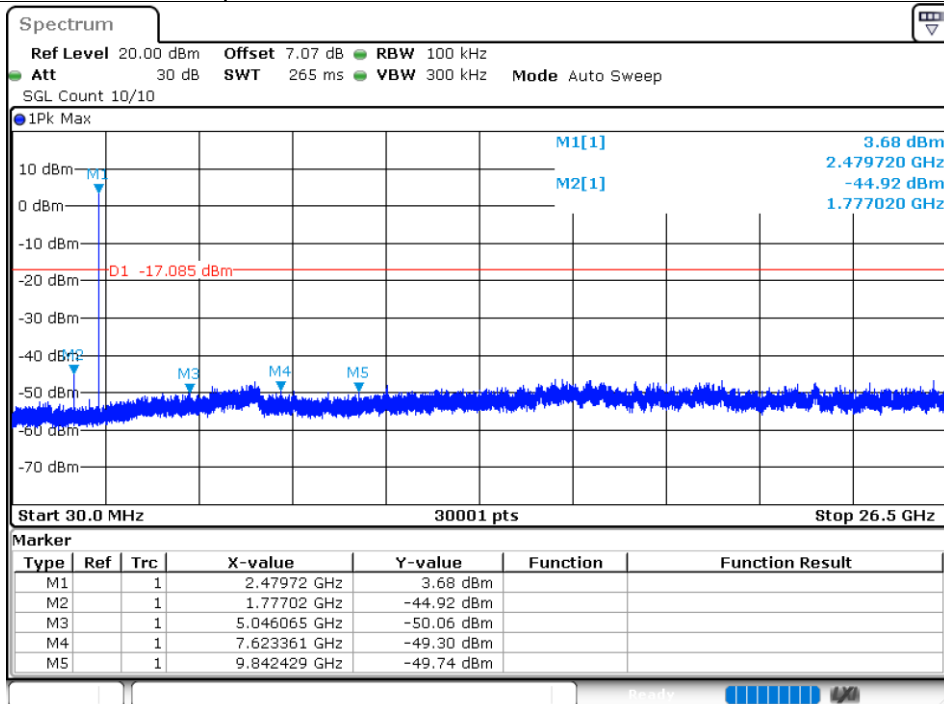
Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Emission



Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Emission



END OF REPORT