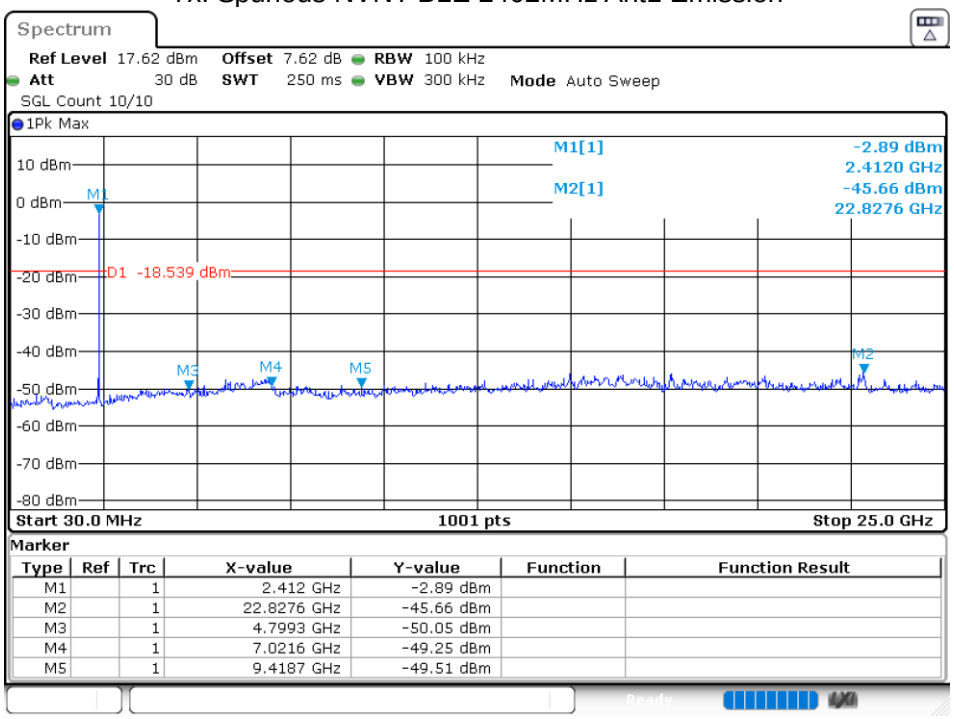
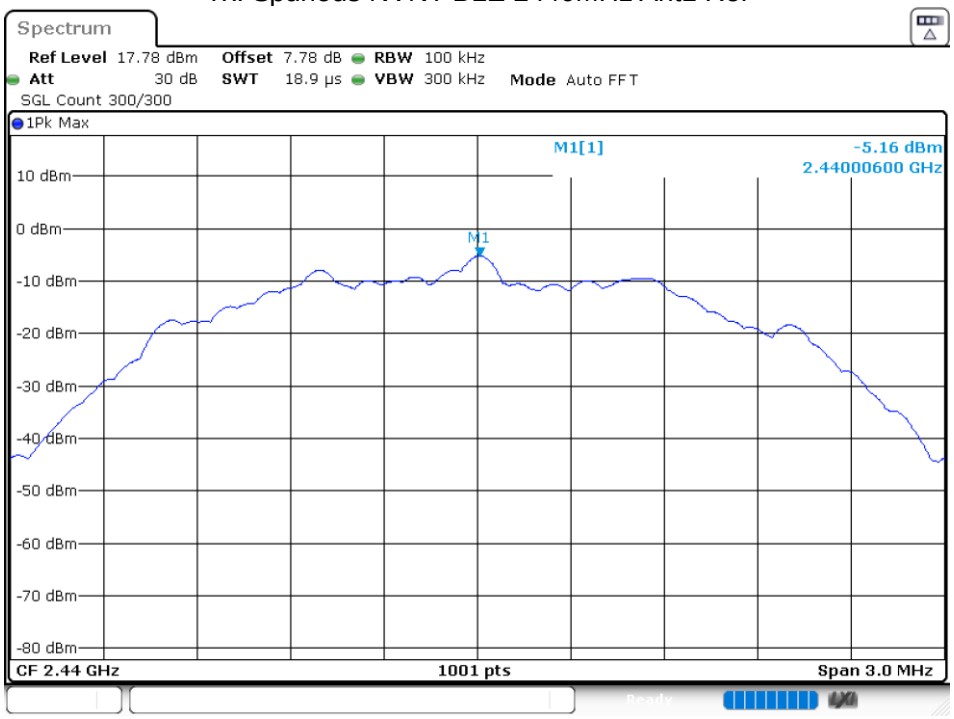
Tx. Spurious NVNT BLE 2402MHz Ant1 Emission



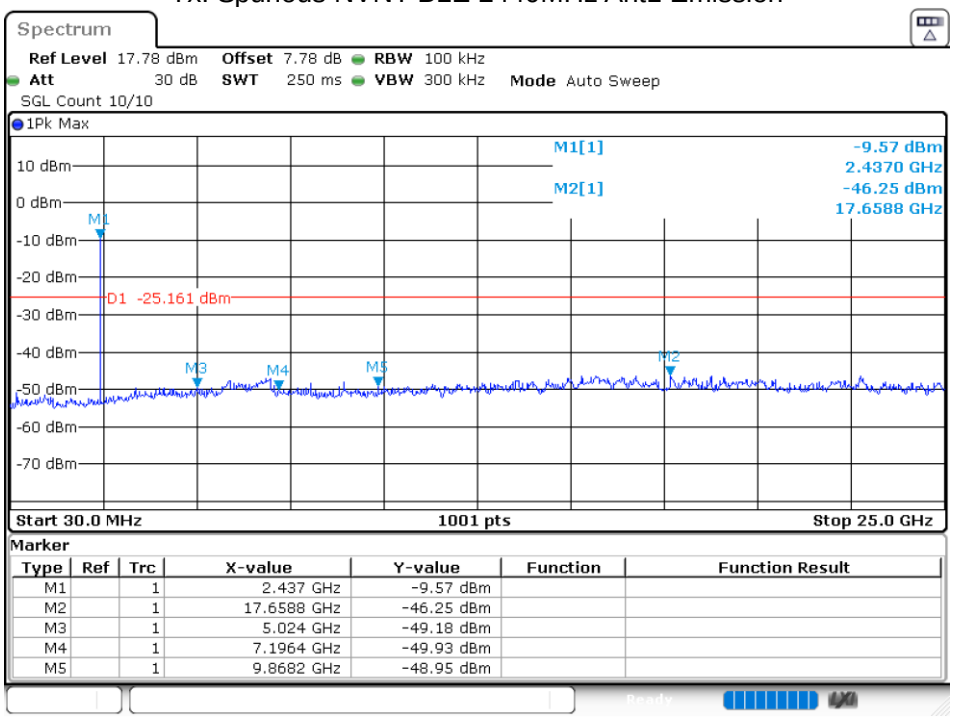
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.412 GHz	-2.89 dBm		
M2		1	22.8276 GHz	-45.66 dBm		
M3		1	4.7993 GHz	-50.05 dBm		
M4		1	7.0216 GHz	-49.25 dBm		
M5		1	9.4187 GHz	-49.51 dBm		

Tx. Spurious NVNT BLE 2440MHz Ant1 Ref



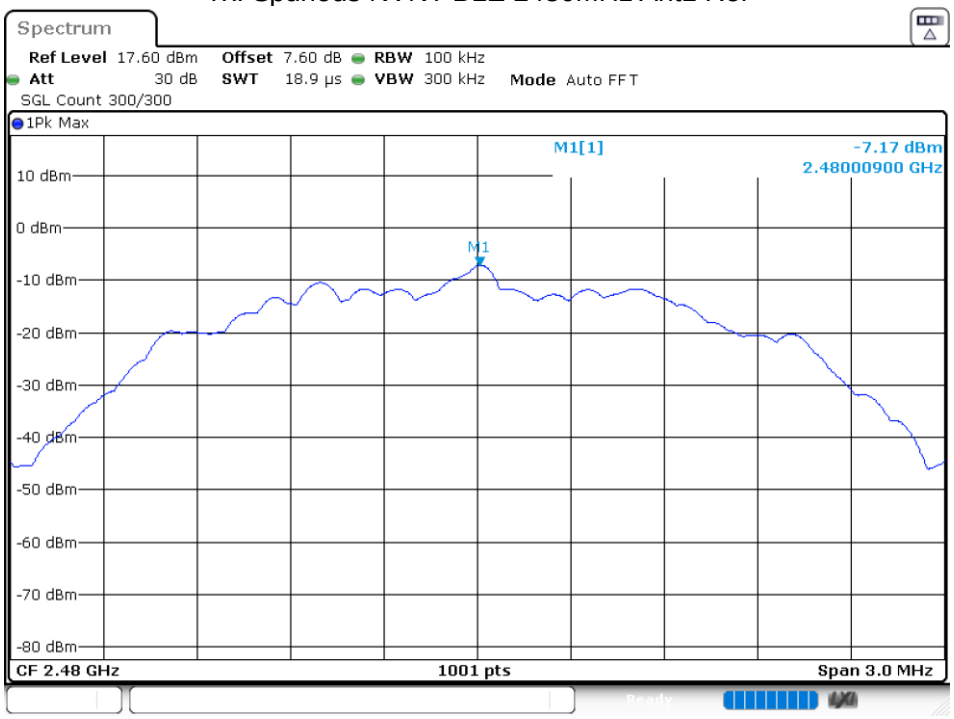
Tx. Spurious NVNT BLE 2440MHz Ant1 Emission



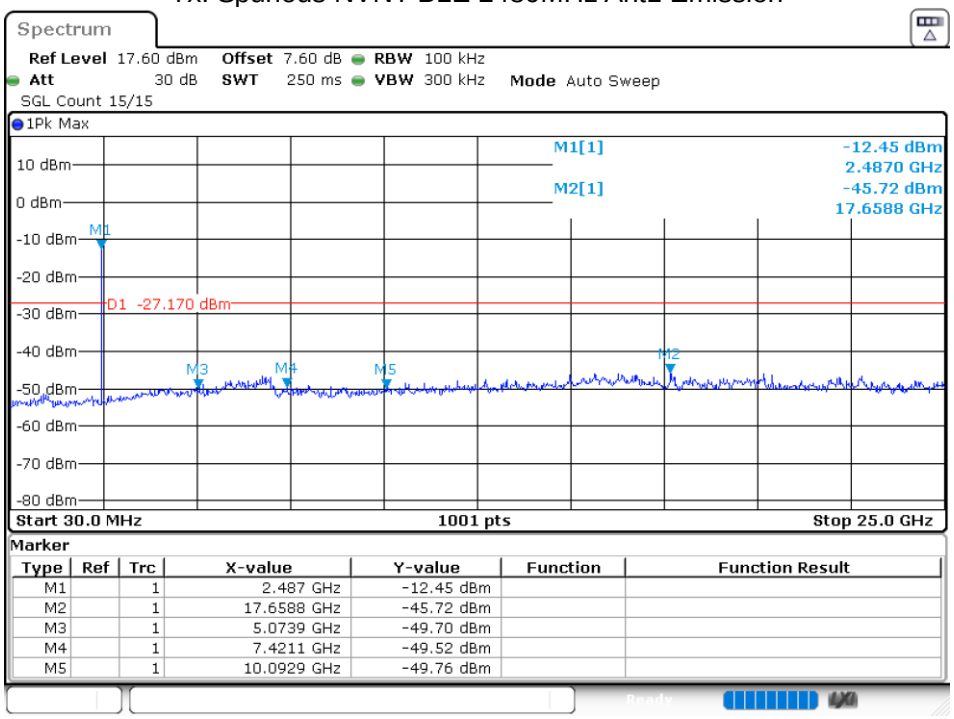
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.437 GHz	-9.57 dBm		
M2		1	17.6588 GHz	-46.25 dBm		
M3		1	5.024 GHz	-49.18 dBm		
M4		1	7.1964 GHz	-49.93 dBm		
M5		1	9.8682 GHz	-48.95 dBm		

Tx. Spurious NVNT BLE 2480MHz Ant1 Ref



Tx. Spurious NVNT BLE 2480MHz Ant1 Emission



Marker

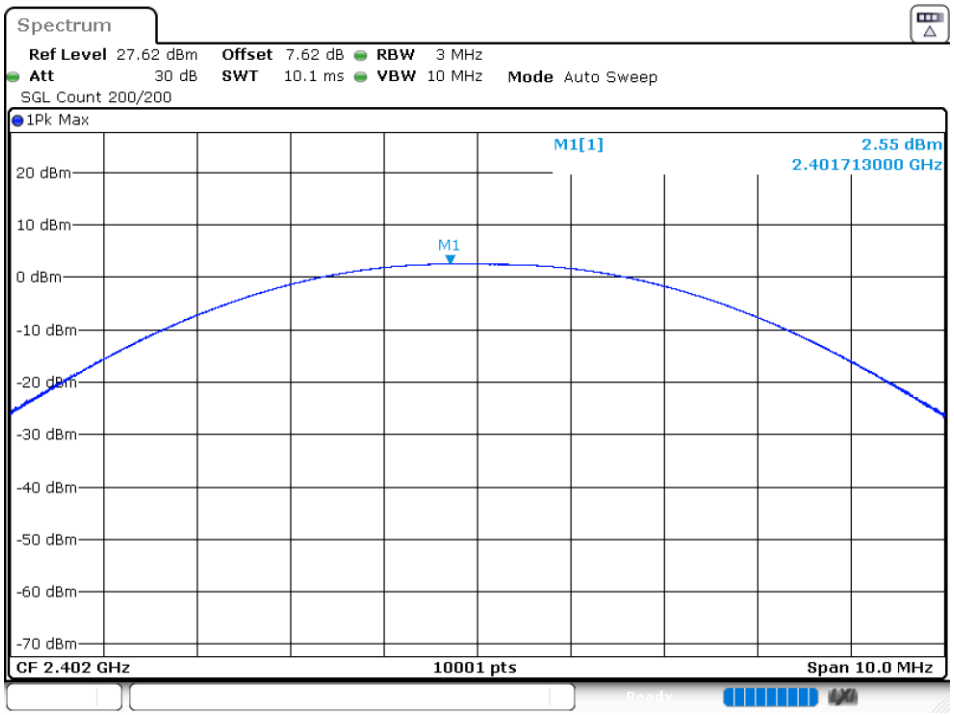
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.487 GHz	-12.45 dBm		
M2		1	17.6588 GHz	-45.72 dBm		
M3		1	5.0739 GHz	-49.70 dBm		
M4		1	7.4211 GHz	-49.52 dBm		
M5		1	10.0929 GHz	-49.76 dBm		

MODULE 2 (1M):

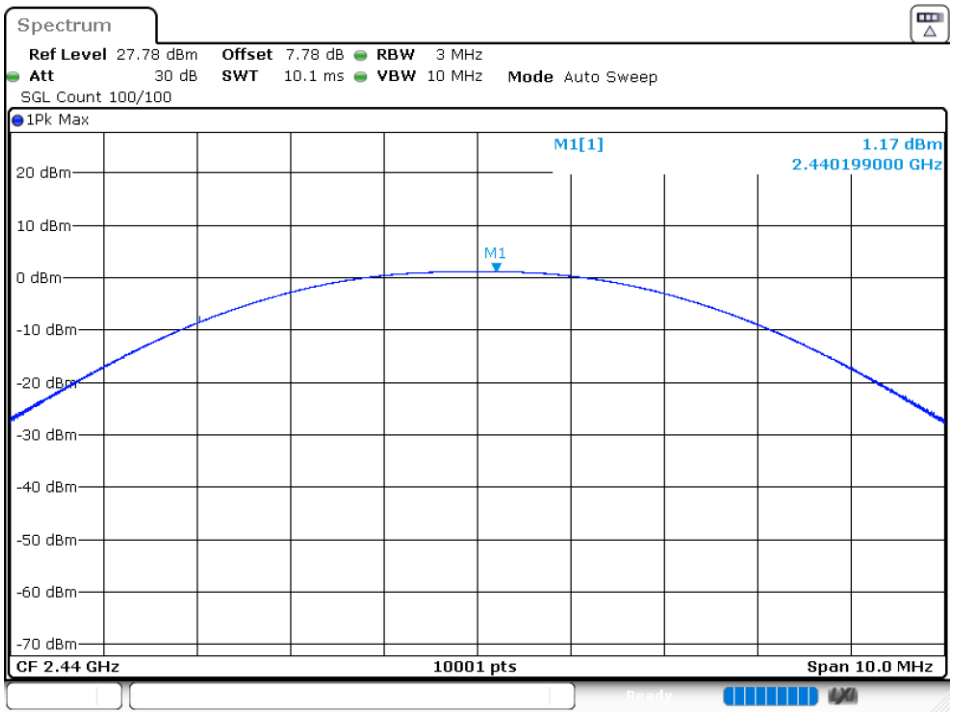
8.1.11 **Maximum Conducted Output Power**

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE	2402	Ant 1	2.552	30	Pass
NVNT	BLE	2440	Ant 1	1.168	30	Pass
NVNT	BLE	2480	Ant 1	1.815	30	Pass

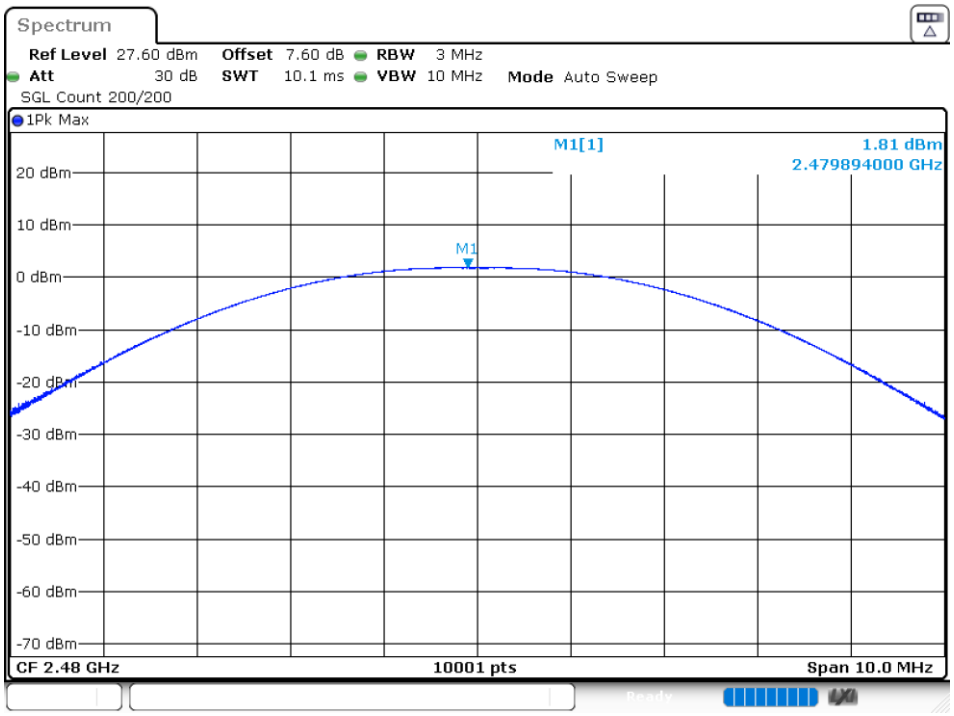
Power NVNT BLE 2402MHz Ant1



Power NVNT BLE 2440MHz Ant1



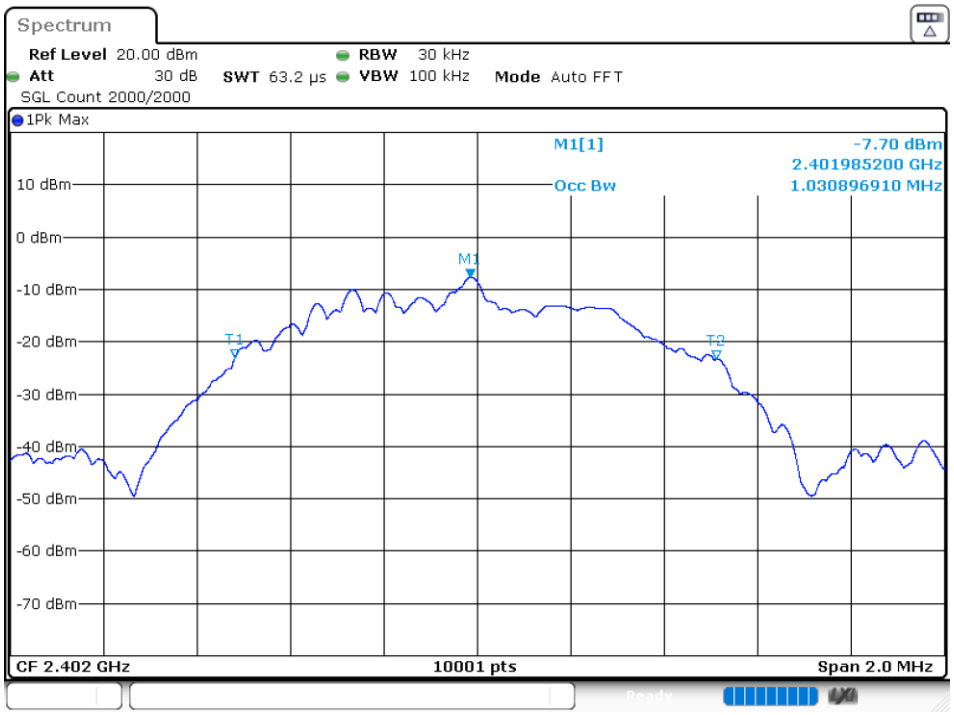
Power NVNT BLE 2480MHz Ant1



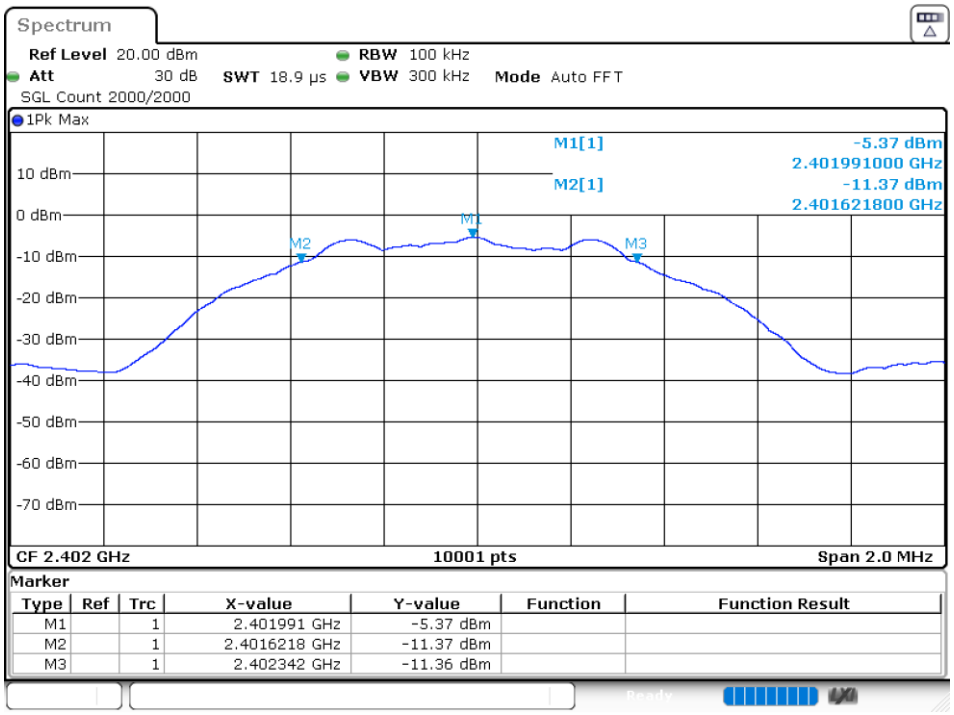
8.1.12 **Occupied Channel Bandwidth**

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE	2402	Ant 1	1.0309	0.7202	0.5	Pass
NVNT	BLE	2440	Ant 1	1.0309	0.7214	0.5	Pass
NVNT	BLE	2480	Ant 1	1.0299	0.7218	0.5	Pass

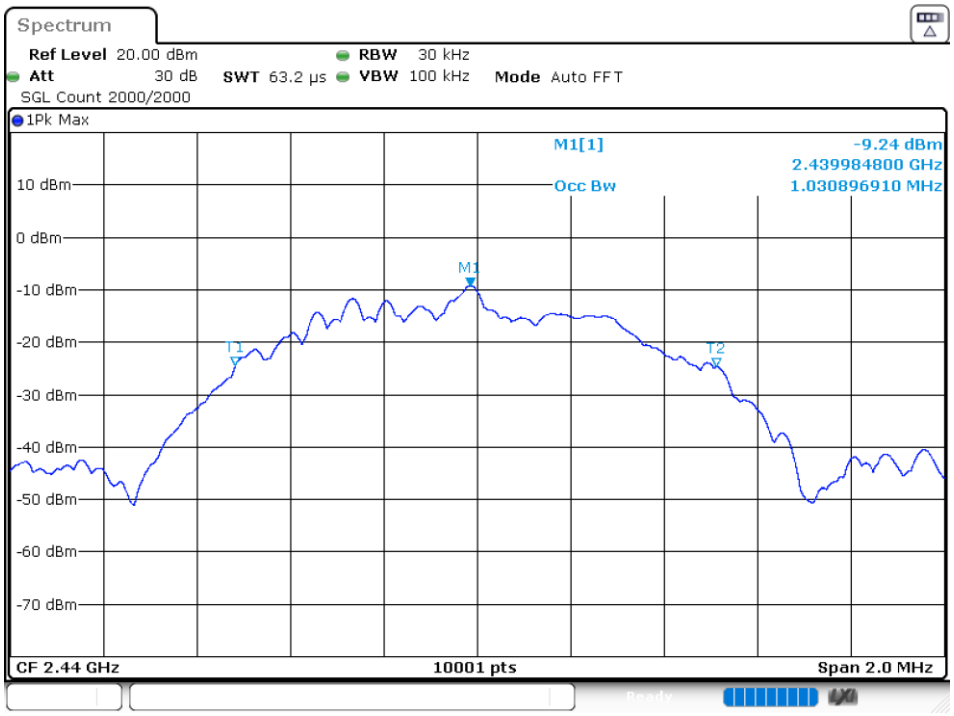
OBW NVNT BLE 2402MHz Ant1



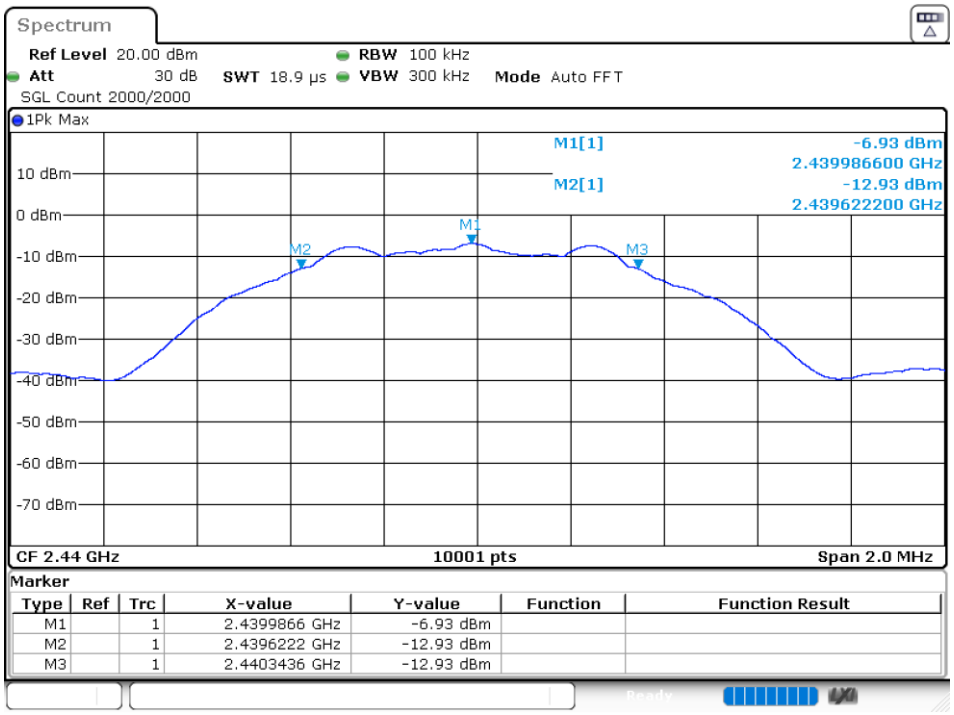
-6 dB BW NVNT BLE 2402MHz Ant1



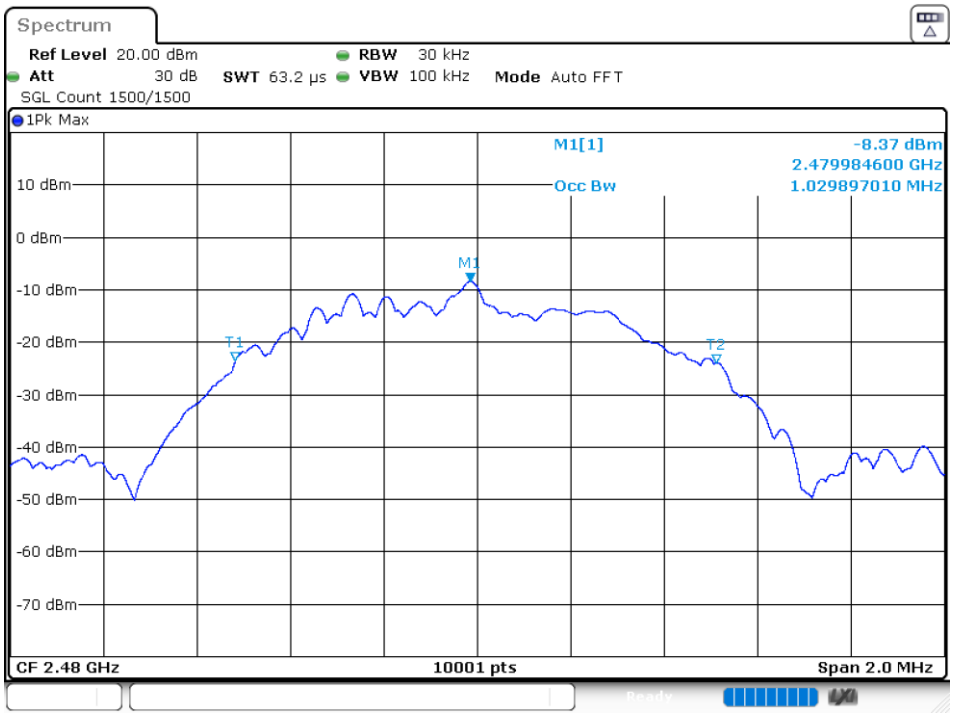
OBW NVNT BLE 2440MHz Ant1



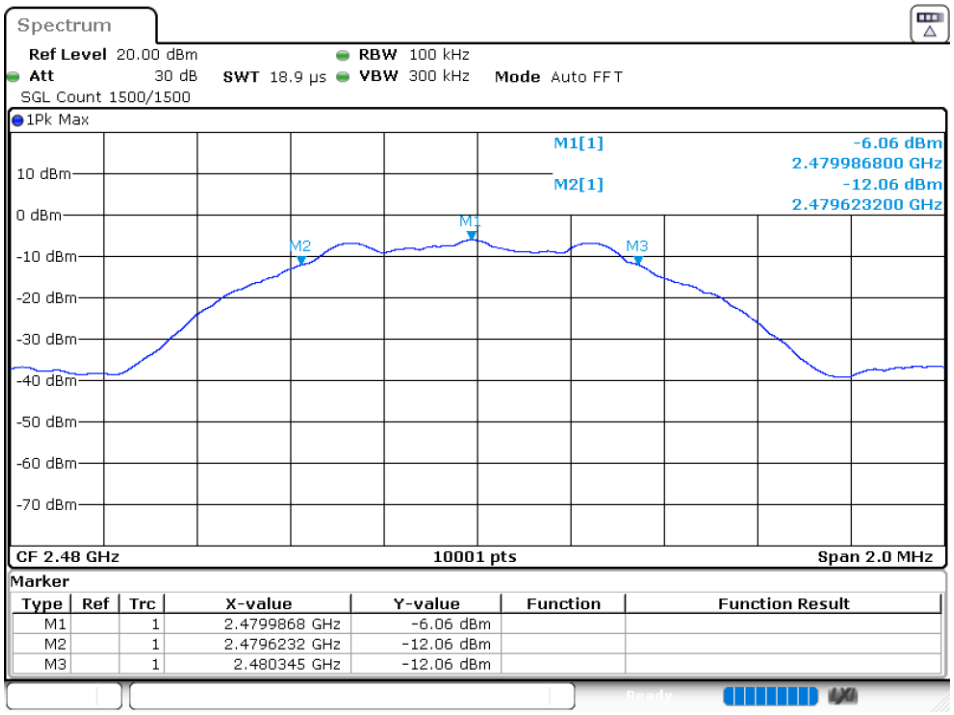
-6 dB BW NVNT BLE 2440MHz Ant1



OBW NVNT BLE 2480MHz Ant1



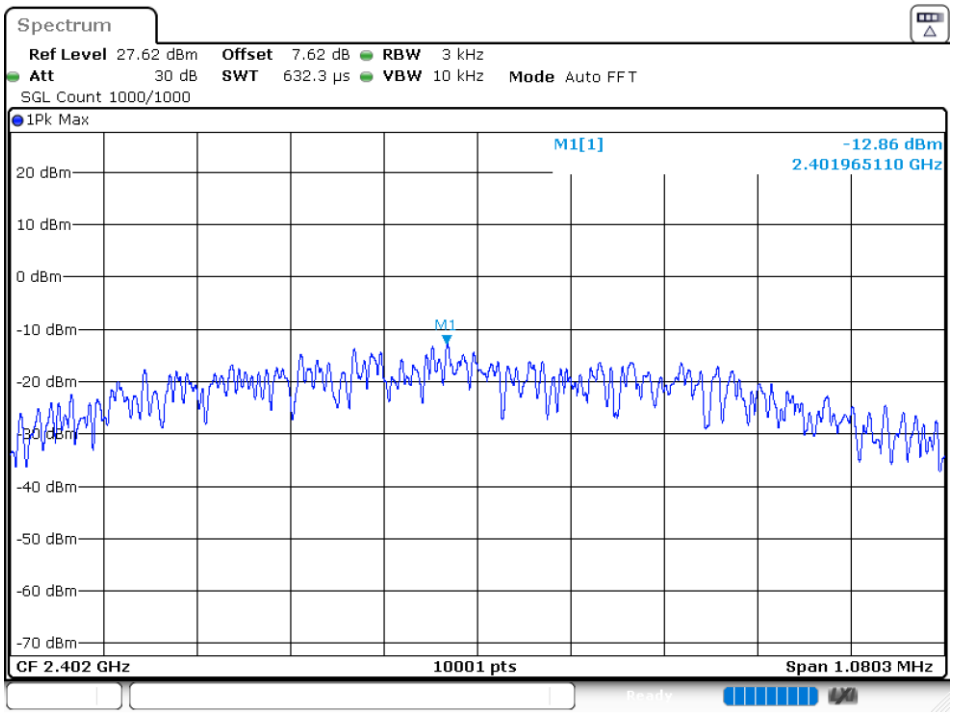
-6 dB BW NVNT BLE 2480MHz Ant1



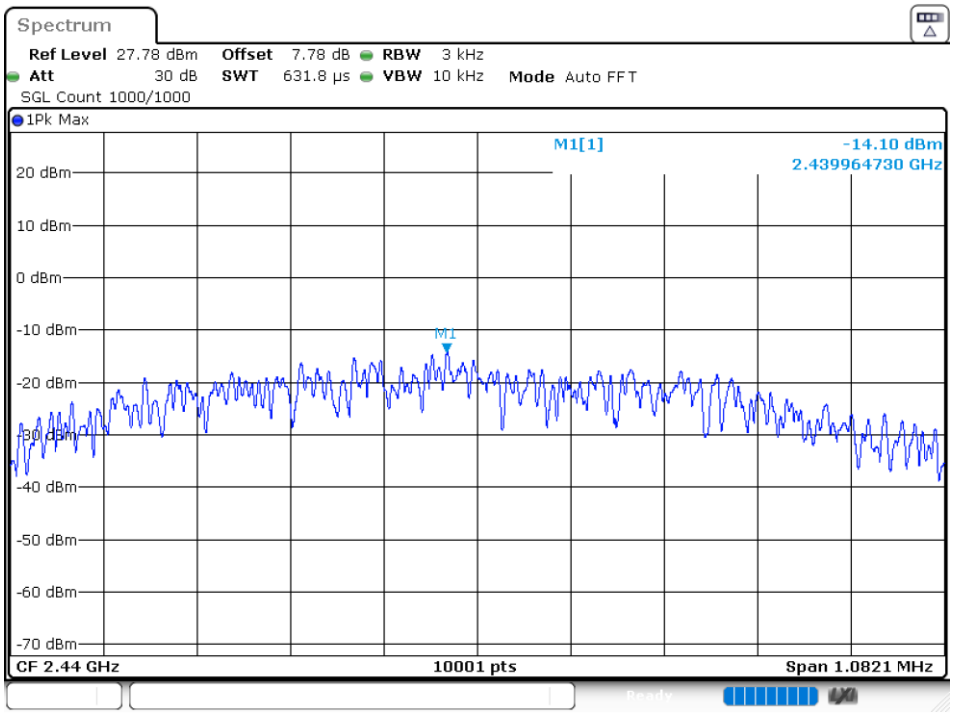
8.1.13 **Maximum Power Spectral Density Level**

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE	2402	Ant 1	-12.862	8	Pass
NVNT	BLE	2440	Ant 1	-14.101	8	Pass
NVNT	BLE	2480	Ant 1	-13.431	8	Pass

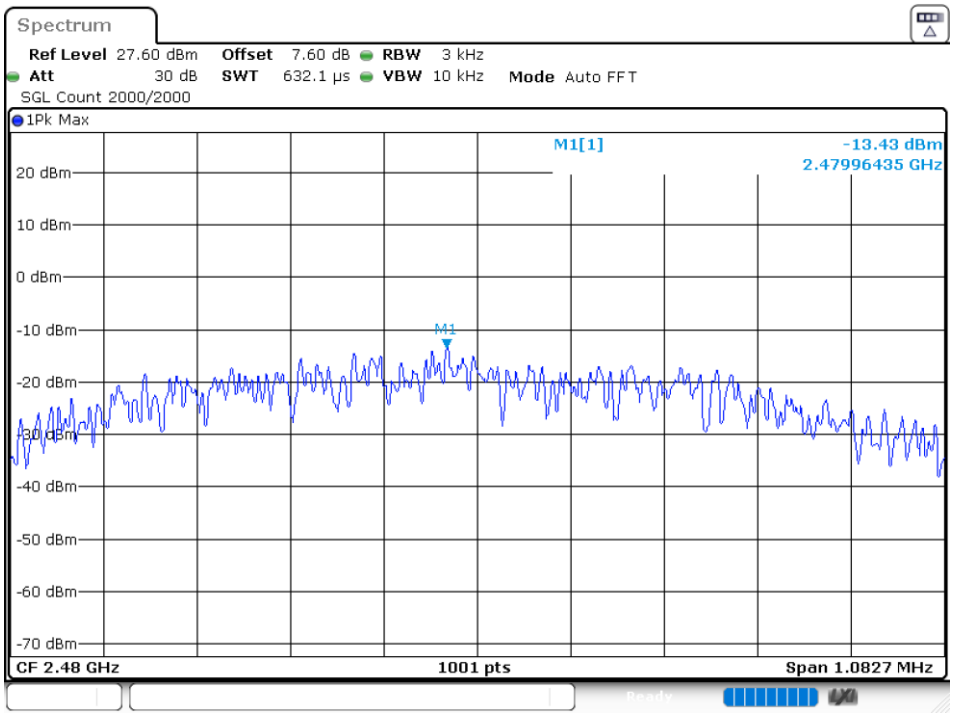
PSD NVNT BLE 2402MHz Ant1



PSD NVNT BLE 2440MHz Ant1



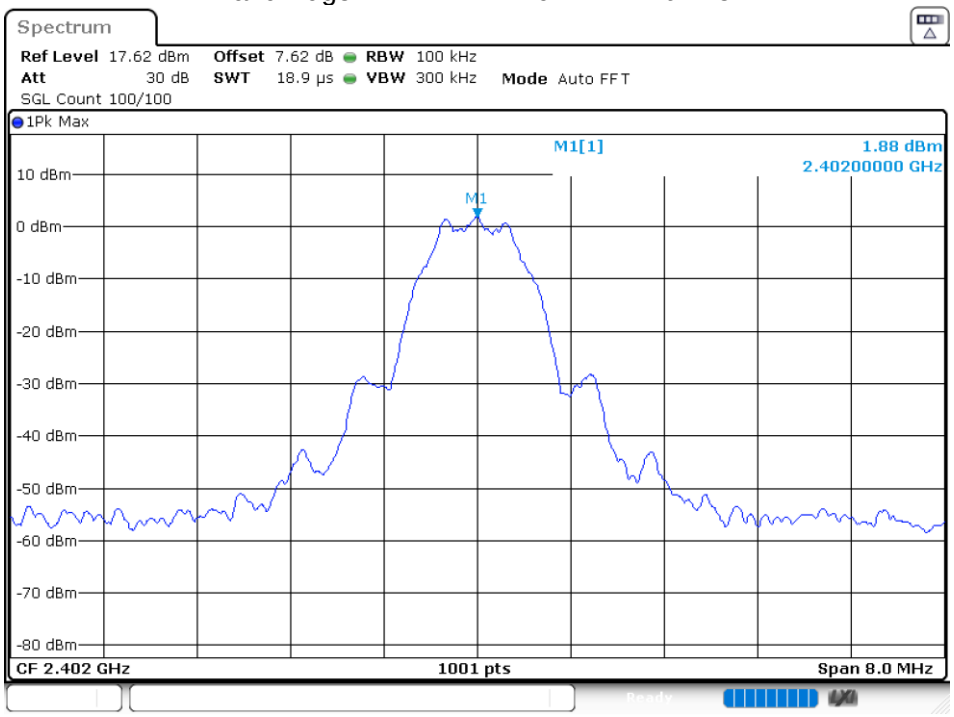
PSD NVNT BLE 2480MHz Ant1



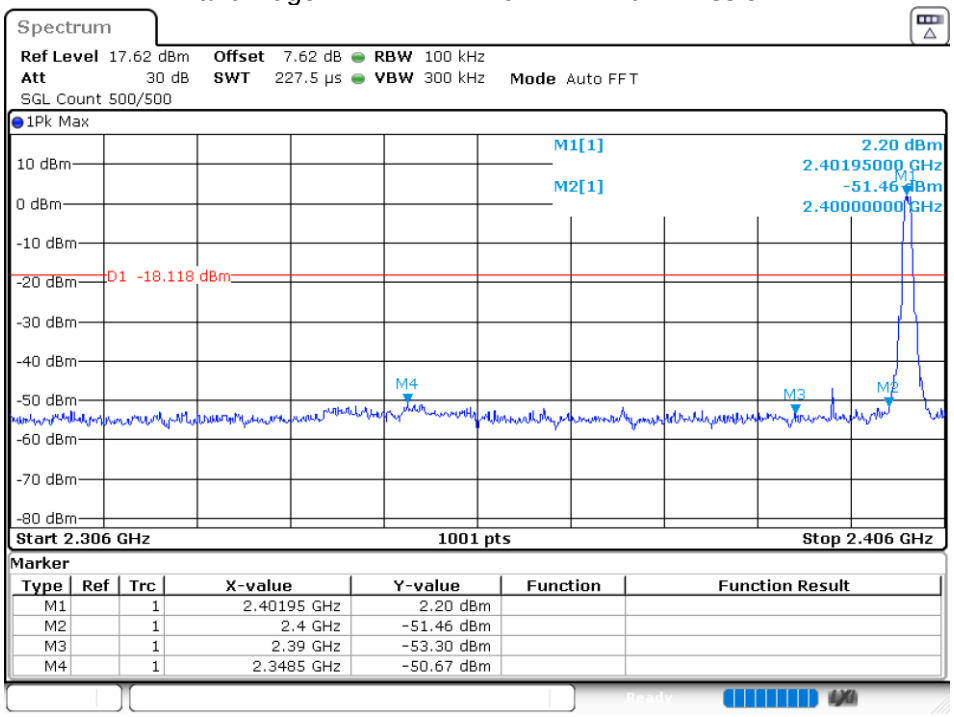
8.1.14 **Band Edge**

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE	2402	Ant 1	-52.54	-20	Pass
NVNT	BLE	2480	Ant 1	-53.76	-20	Pass

Band Edge NVNT BLE 2402MHz Ant1 Ref



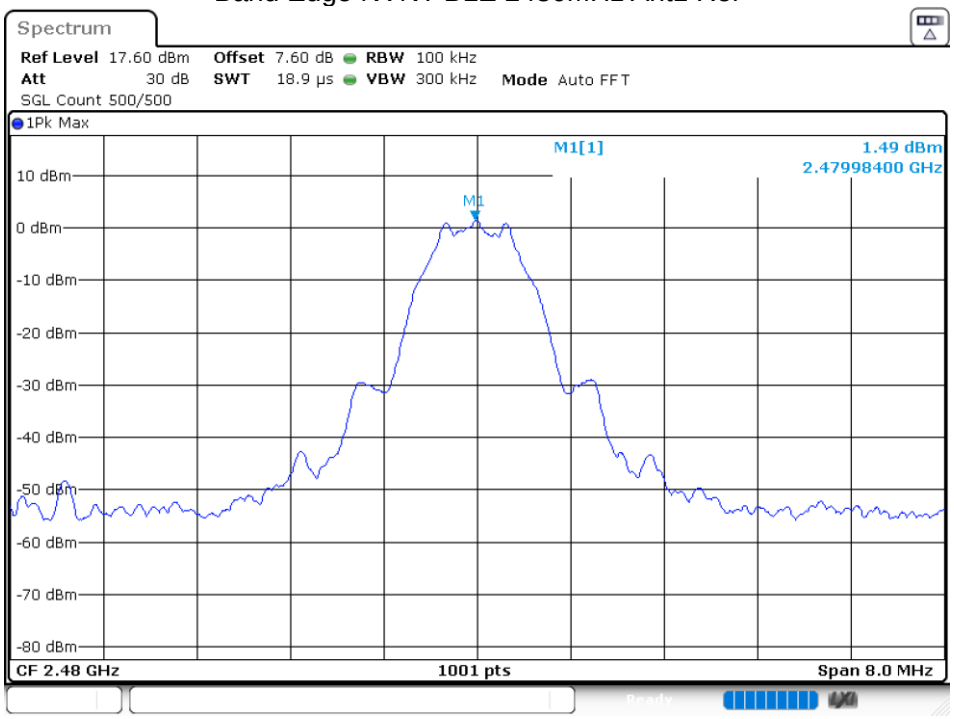
Band Edge NVNT BLE 2402MHz Ant1 Emission



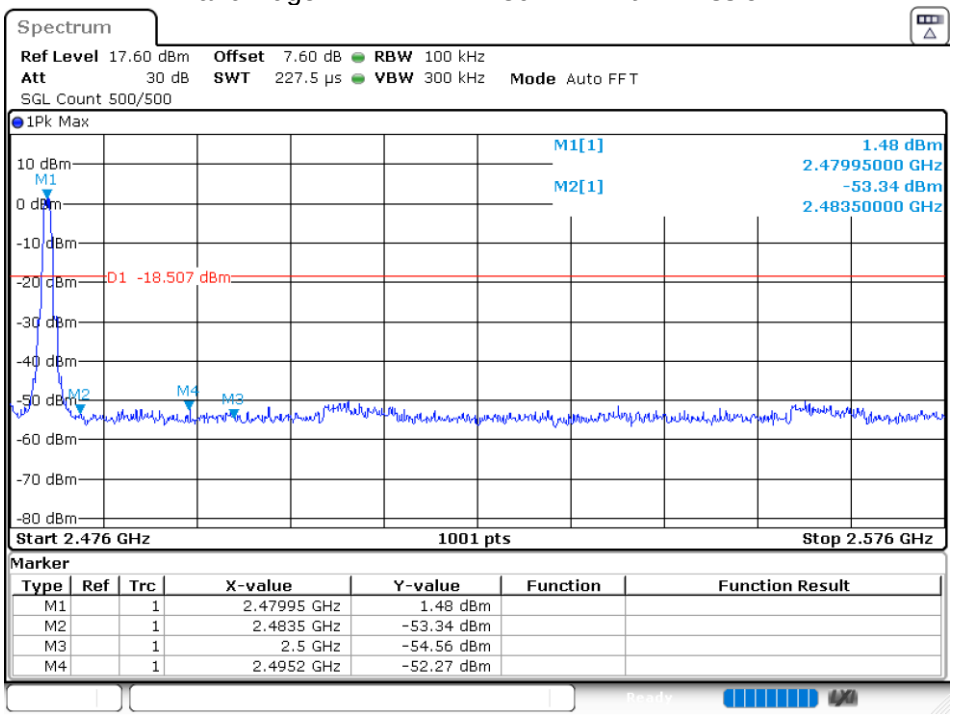
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.40195 GHz	2.20 dBm		
M2		1	2.4 GHz	-51.46 dBm		
M3		1	2.39 GHz	-53.30 dBm		
M4		1	2.3485 GHz	-50.67 dBm		

Band Edge NVNT BLE 2480MHz Ant1 Ref



Band Edge NVNT BLE 2480MHz Ant1 Emission



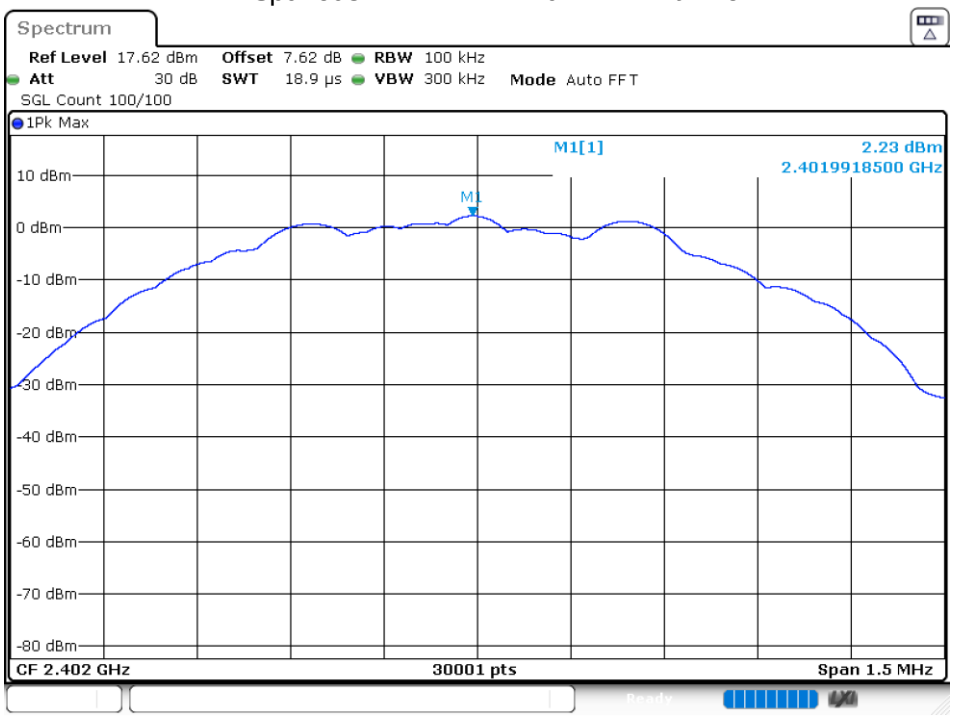
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.47995 GHz	1.48 dBm		
M2		1	2.4835 GHz	-53.34 dBm		
M3		1	2.5 GHz	-54.56 dBm		
M4		1	2.4952 GHz	-52.27 dBm		

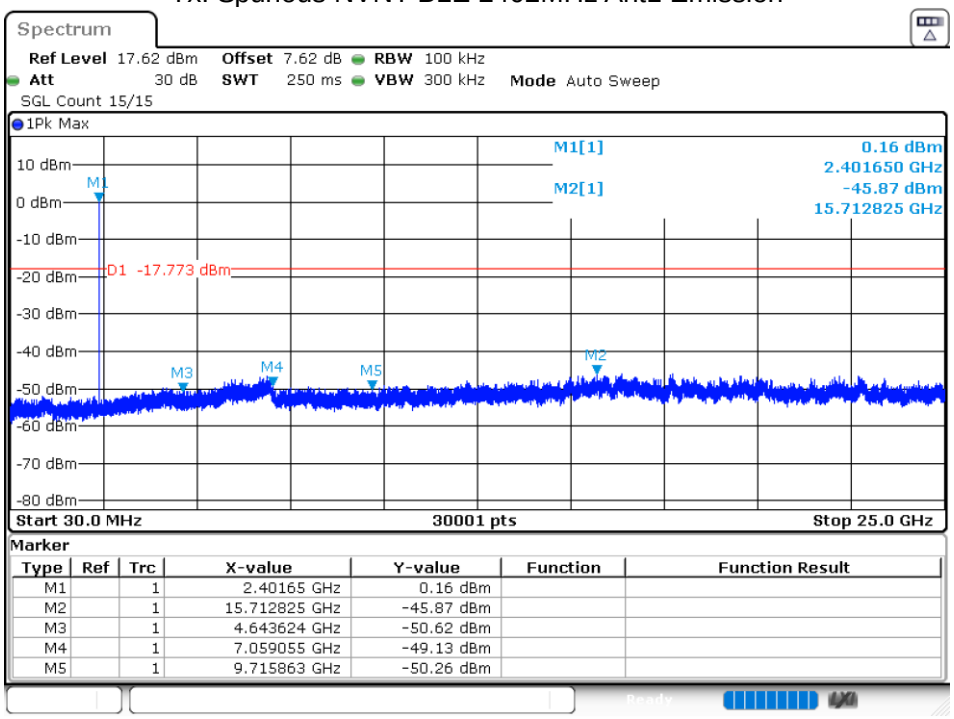
8.1.15 **Conducted RF Spurious Emission**

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE	2402	Ant 1	-48.09	-20	Pass
NVNT	BLE	2440	Ant 1	-46.43	-20	Pass
NVNT	BLE	2480	Ant 1	-46.06	-20	Pass

Tx. Spurious NVNT BLE 2402MHz Ant1 Ref



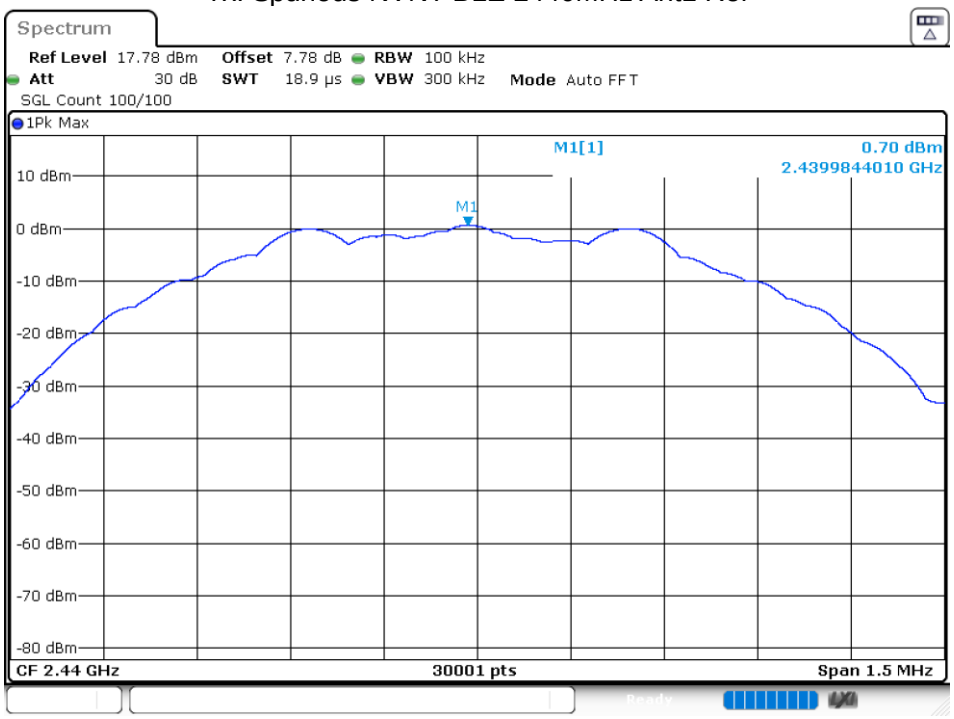
Tx. Spurious NVNT BLE 2402MHz Ant1 Emission



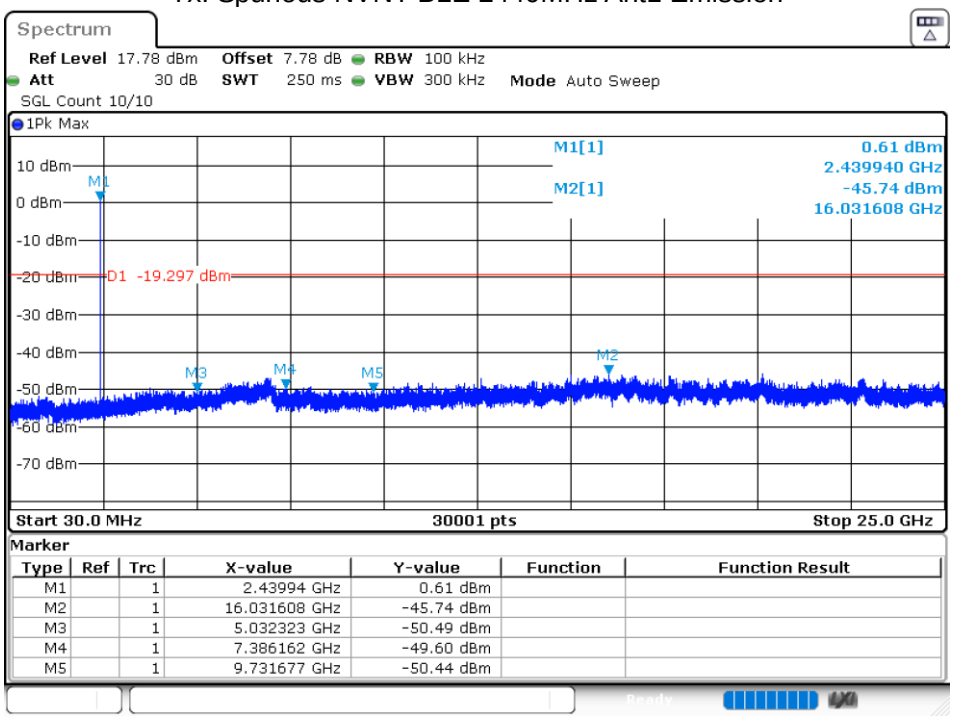
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.40165 GHz	0.16 dBm		
M2		1	15.712825 GHz	-45.87 dBm		
M3		1	4.643624 GHz	-50.62 dBm		
M4		1	7.059055 GHz	-49.13 dBm		
M5		1	9.715863 GHz	-50.26 dBm		

Tx. Spurious NVNT BLE 2440MHz Ant1 Ref



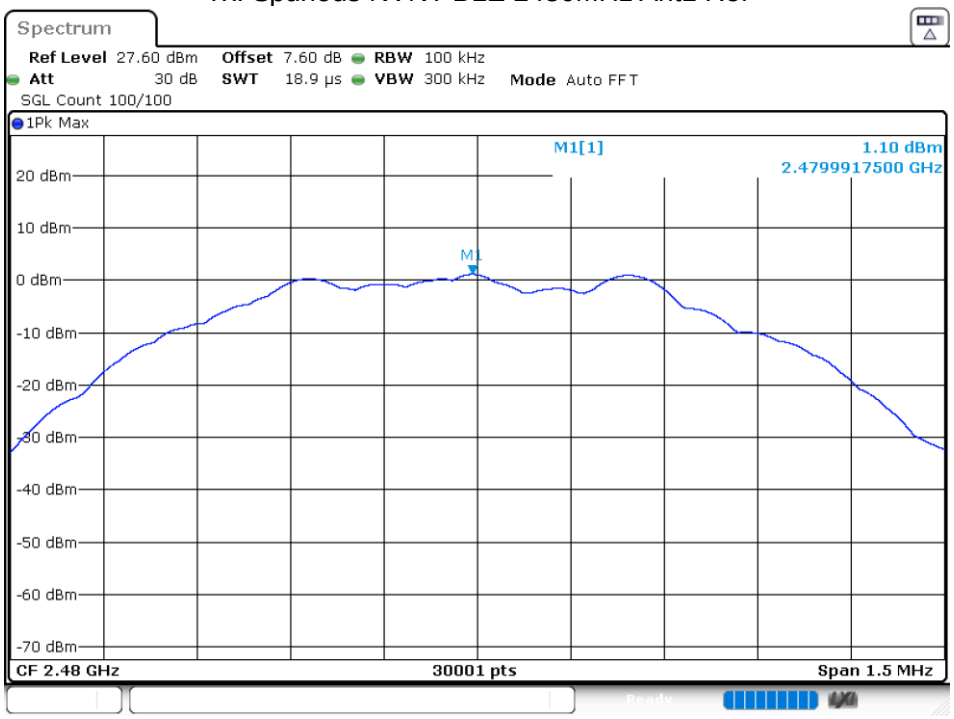
Tx. Spurious NVNT BLE 2440MHz Ant1 Emission



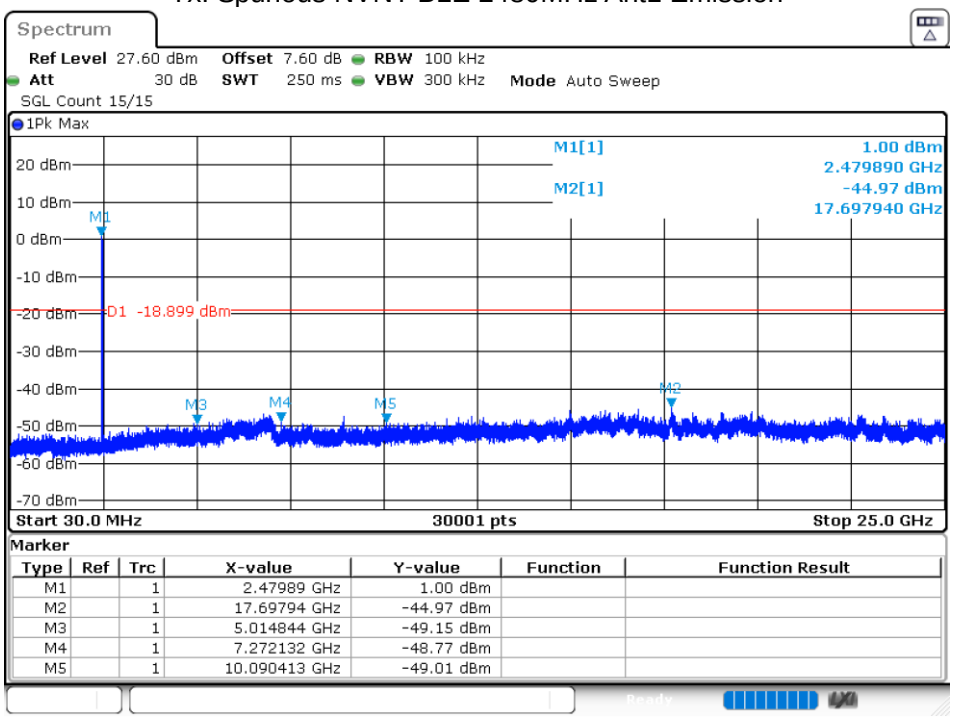
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.43994 GHz	0.61 dBm		
M2		1	16.031608 GHz	-45.74 dBm		
M3		1	5.032323 GHz	-50.49 dBm		
M4		1	7.386162 GHz	-49.60 dBm		
M5		1	9.731677 GHz	-50.44 dBm		

Tx. Spurious NVNT BLE 2480MHz Ant1 Ref



Tx. Spurious NVNT BLE 2480MHz Ant1 Emission



Marker

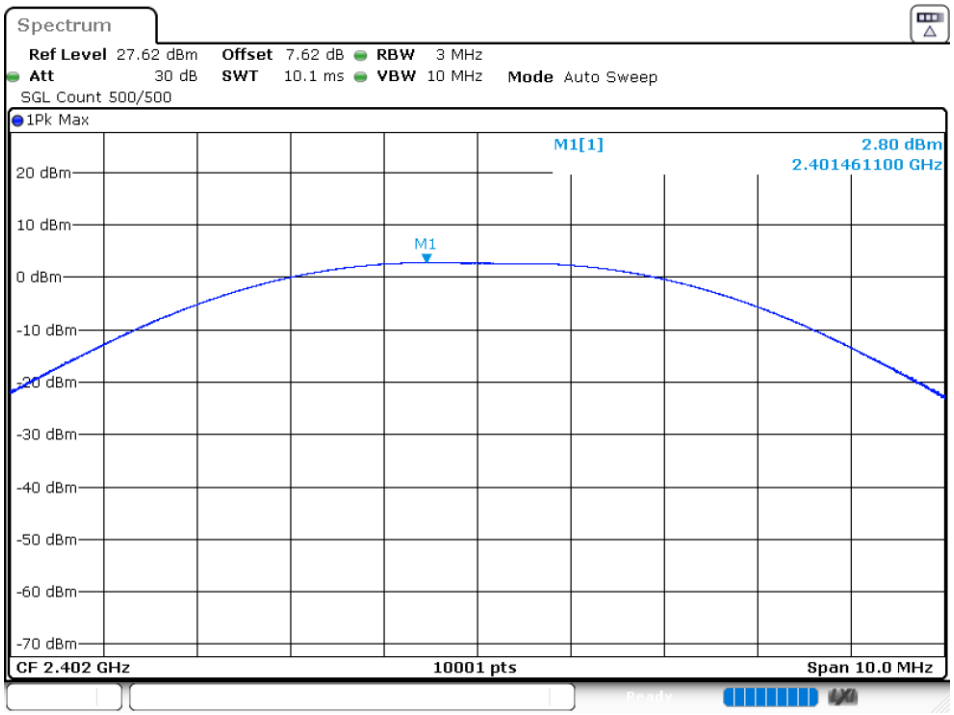
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.47989 GHz	1.00 dBm		
M2		1	17.69794 GHz	-44.97 dBm		
M3		1	5.014844 GHz	-49.15 dBm		
M4		1	7.272132 GHz	-48.77 dBm		
M5		1	10.090413 GHz	-49.01 dBm		

MODULE 2 (2M):

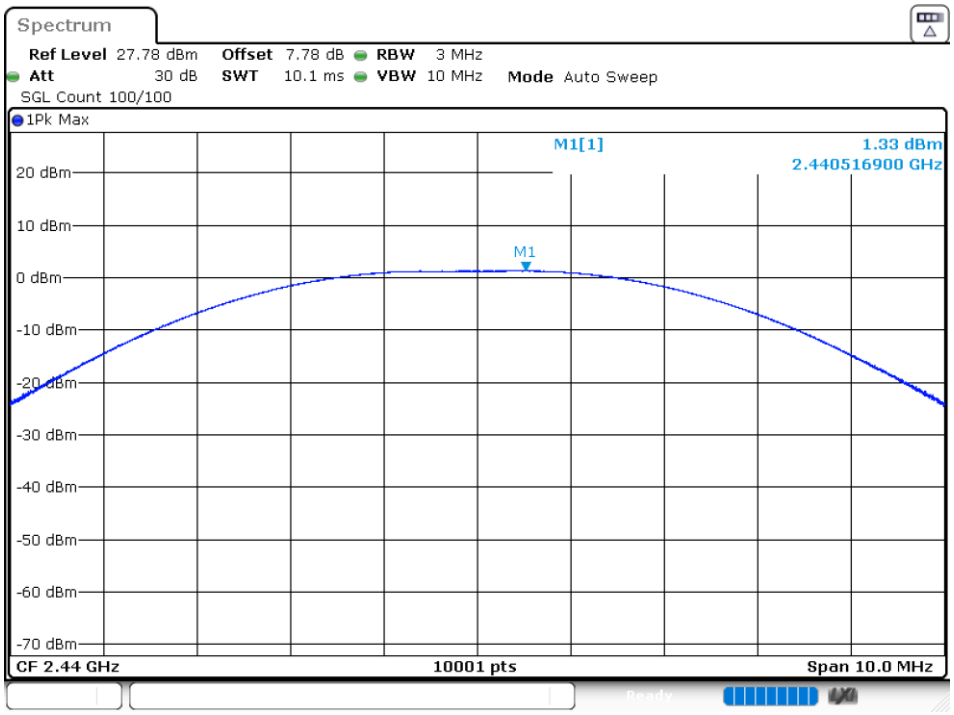
8.1.16 **Maximum Conducted Output Power**

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE	2402	Ant 1	2.801	30	Pass
NVNT	BLE	2440	Ant 1	1.329	30	Pass
NVNT	BLE	2480	Ant 1	1.777	30	Pass

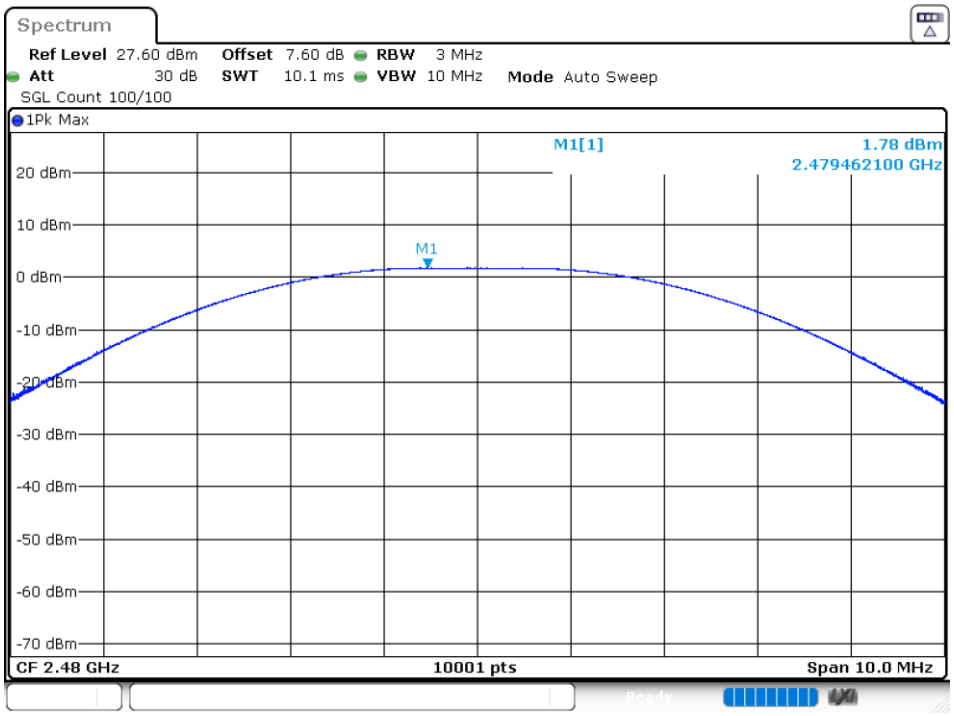
Power NVNT BLE 2402MHz Ant1



Power NVNT BLE 2440MHz Ant1



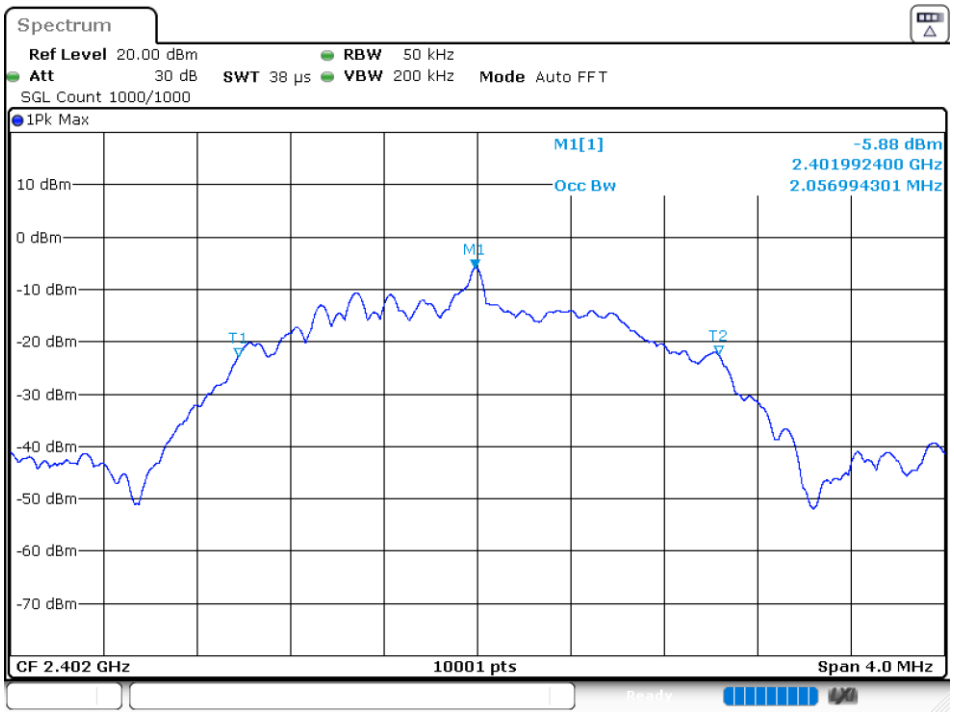
Power NVNT BLE 2480MHz Ant1



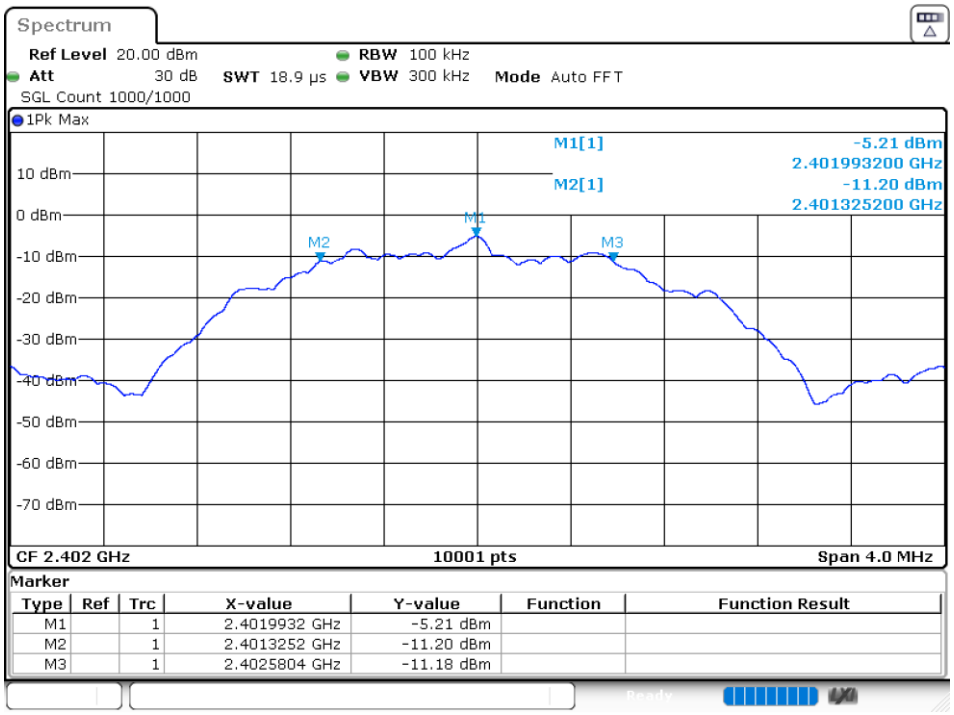
8.1.17 **Occupied Channel Bandwidth**

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE	2402	Ant 1	2.057	1.2552	0.5	Pass
NVNT	BLE	2440	Ant 1	2.0542	1.1844	0.5	Pass
NVNT	BLE	2480	Ant 1	2.0522	1.192	0.5	Pass

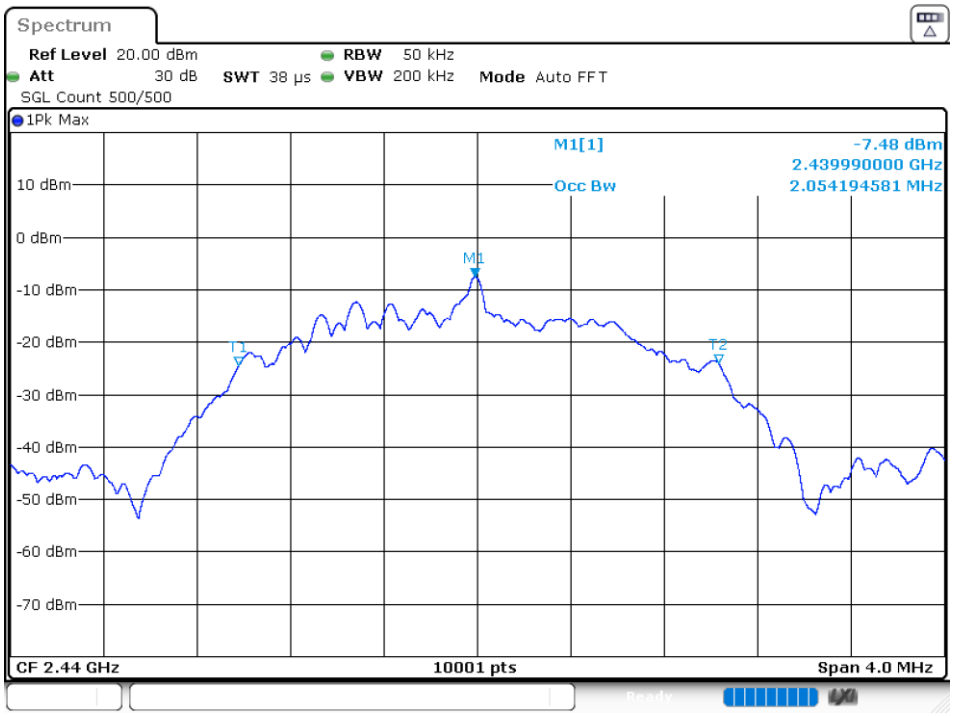
OBW NVNT BLE 2402MHz Ant1



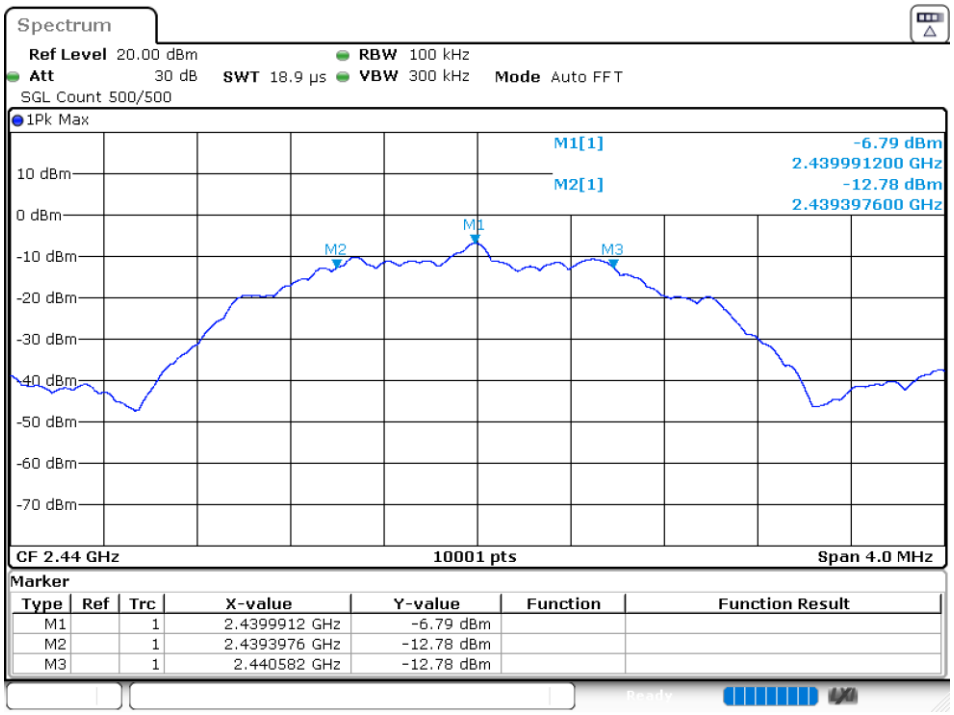
-6 dB BW NVNT BLE 2402MHz Ant1



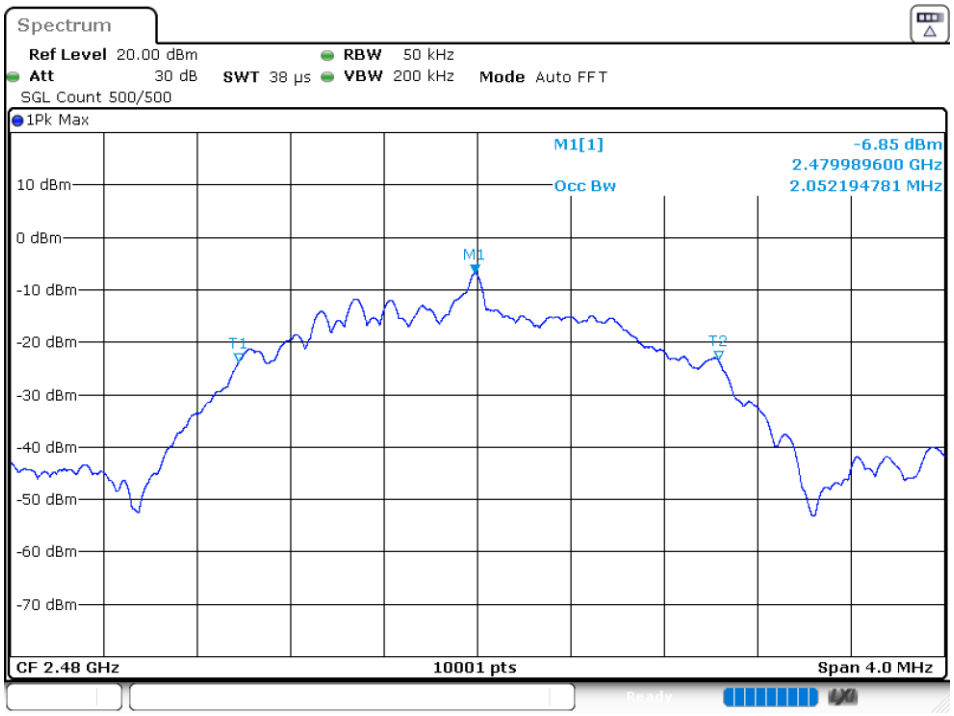
OBW NVNT BLE 2440MHz Ant1



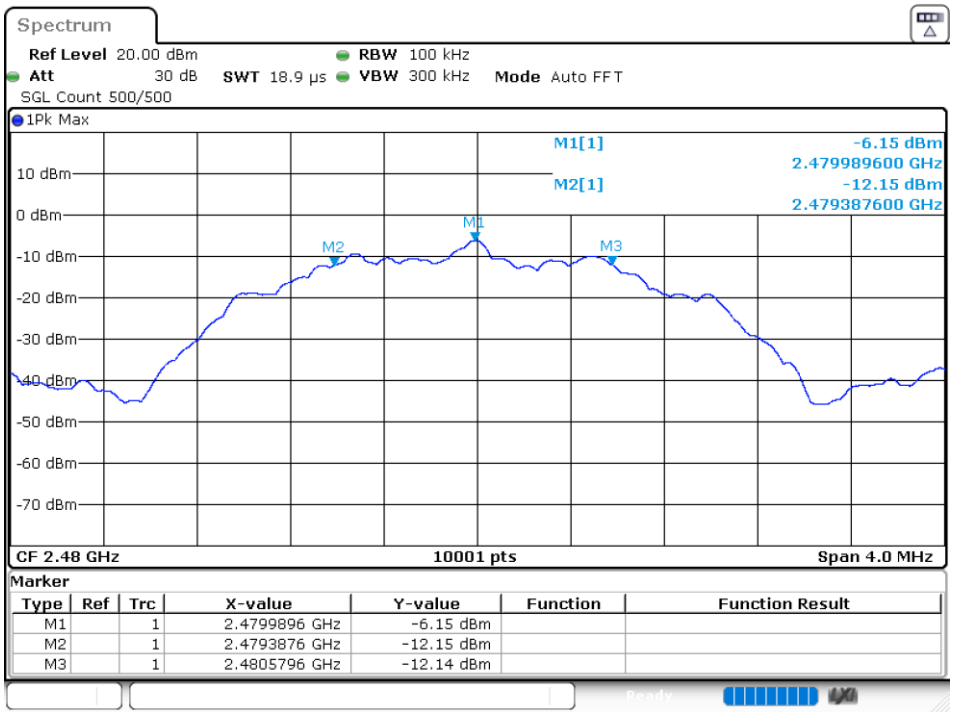
-6 dB BW NVNT BLE 2440MHz Ant1



OBW NVNT BLE 2480MHz Ant1



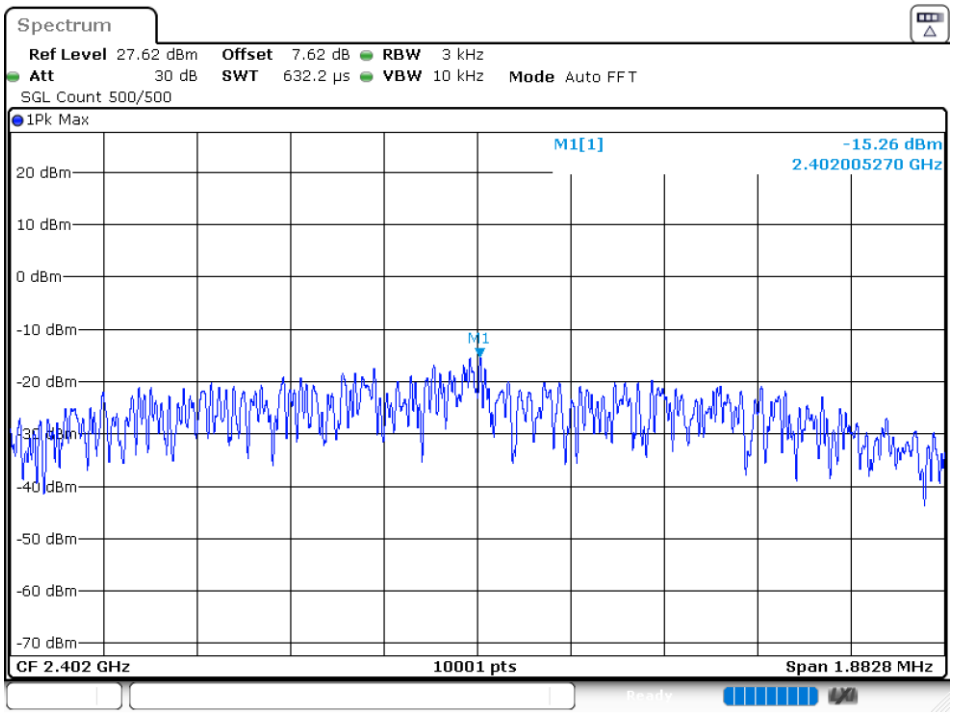
-6 dB BW NVNT BLE 2480MHz Ant1



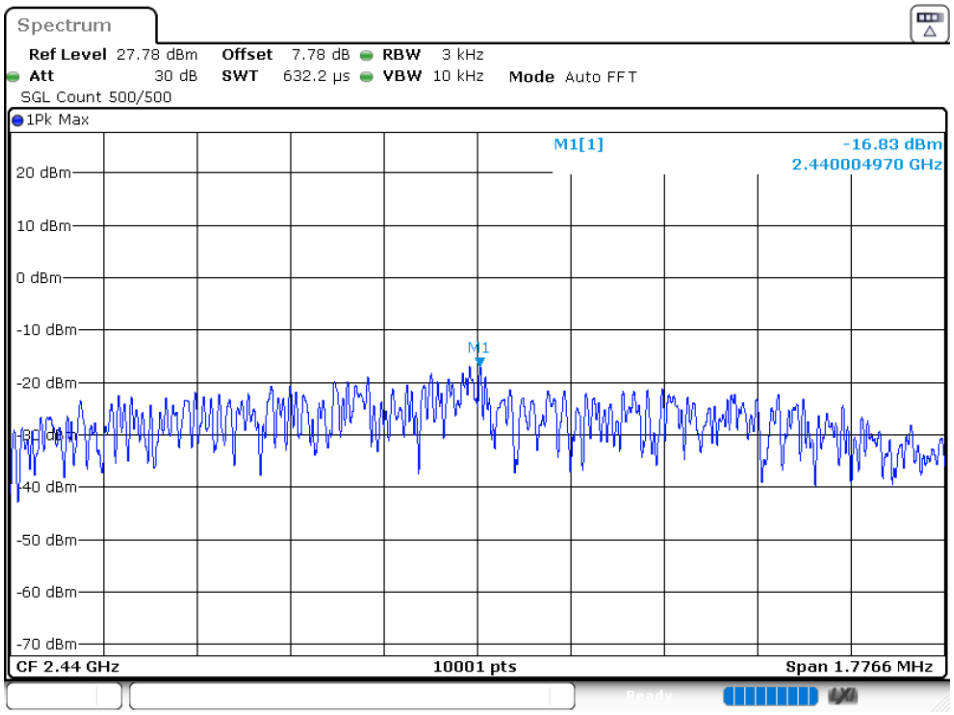
8.1.18 **Maximum Power Spectral Density Level**

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE	2402	Ant 1	-15.256	8	Pass
NVNT	BLE	2440	Ant 1	-16.834	8	Pass
NVNT	BLE	2480	Ant 1	-16.182	8	Pass

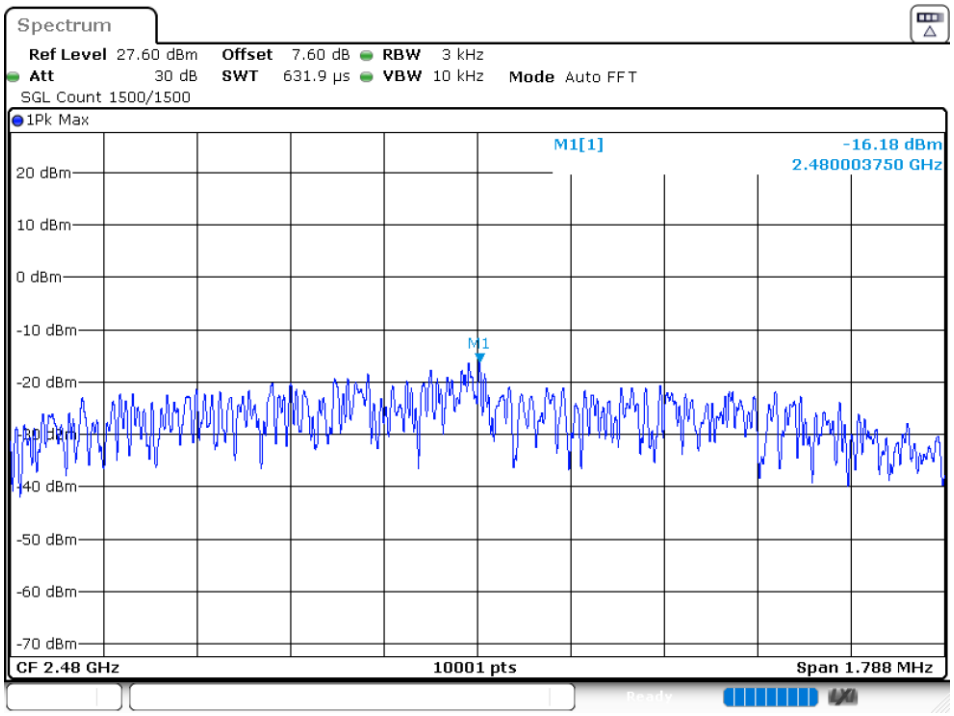
PSD NVNT BLE 2402MHz Ant1



PSD NVNT BLE 2440MHz Ant1



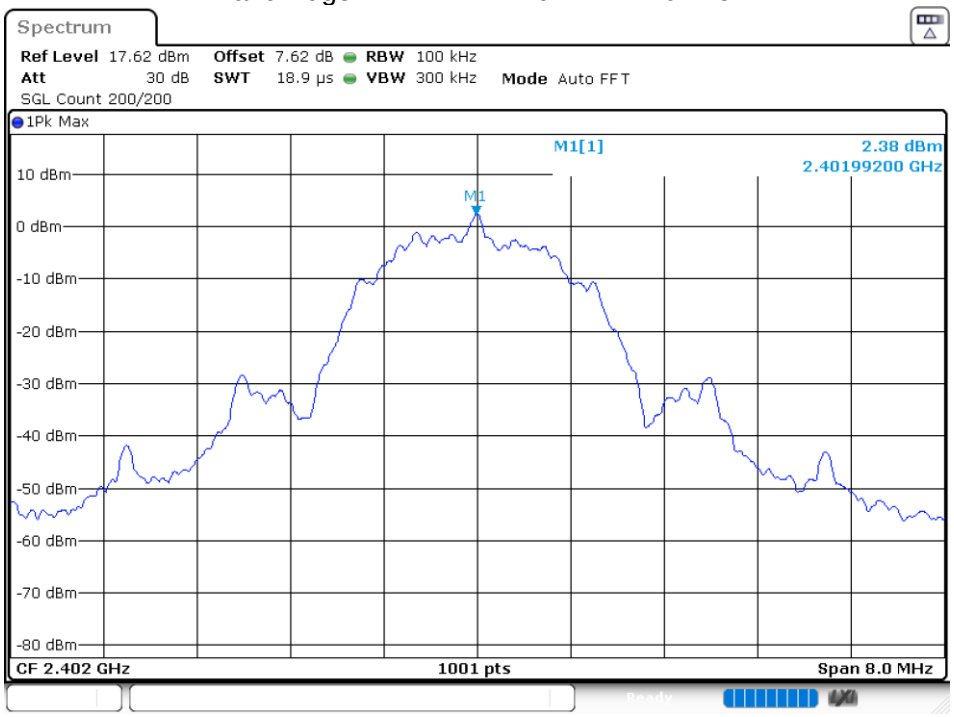
PSD NVNT BLE 2480MHz Ant1



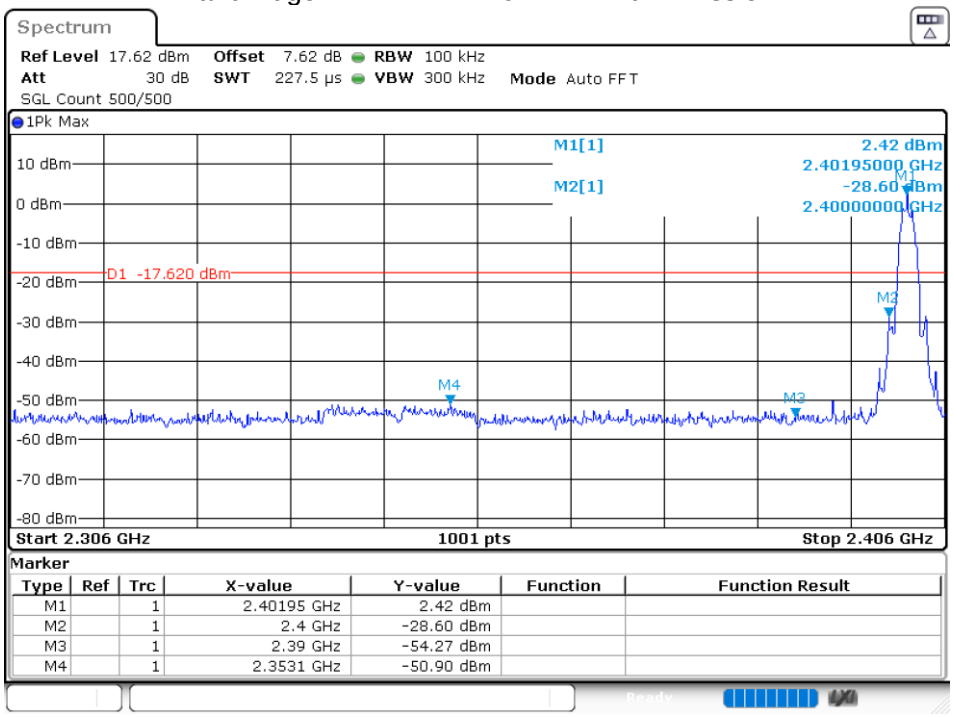
8.1.19 **Band Edge**

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE	2402	Ant 1	-53.27	-20	Pass
NVNT	BLE	2480	Ant 1	-54.53	-20	Pass

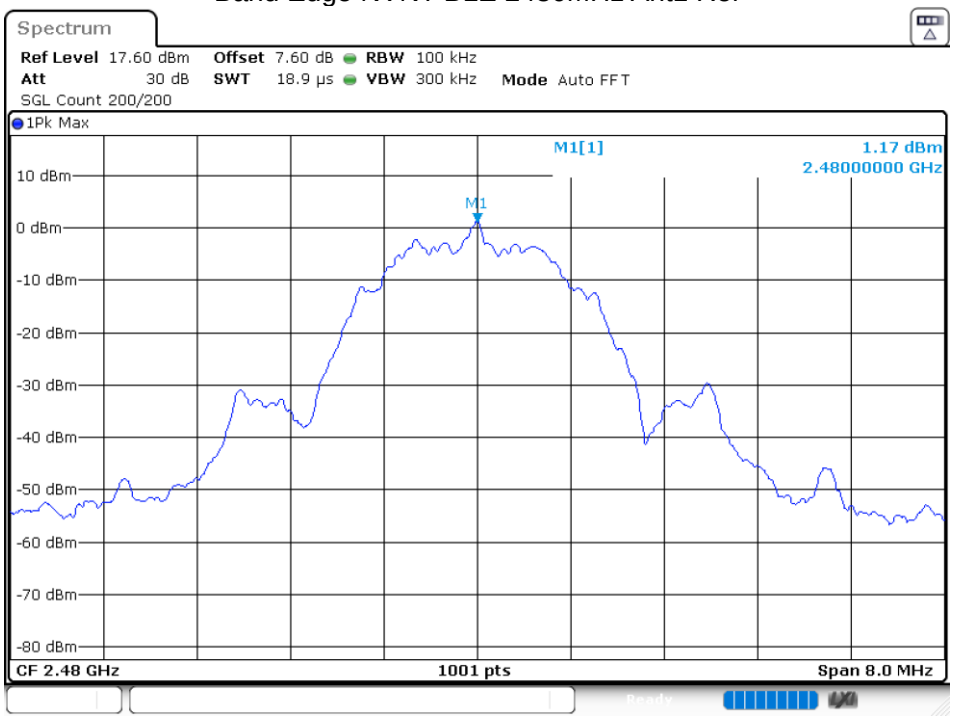
Band Edge NVNT BLE 2402MHz Ant1 Ref



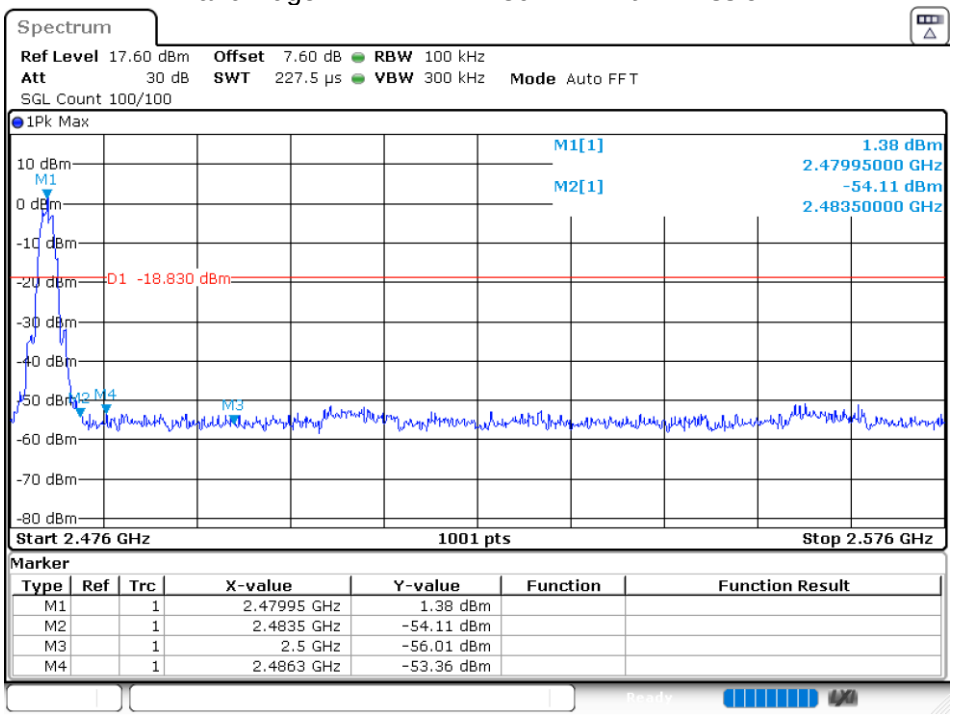
Band Edge NVNT BLE 2402MHz Ant1 Emission



Band Edge NVNT BLE 2480MHz Ant1 Ref



Band Edge NVNT BLE 2480MHz Ant1 Emission

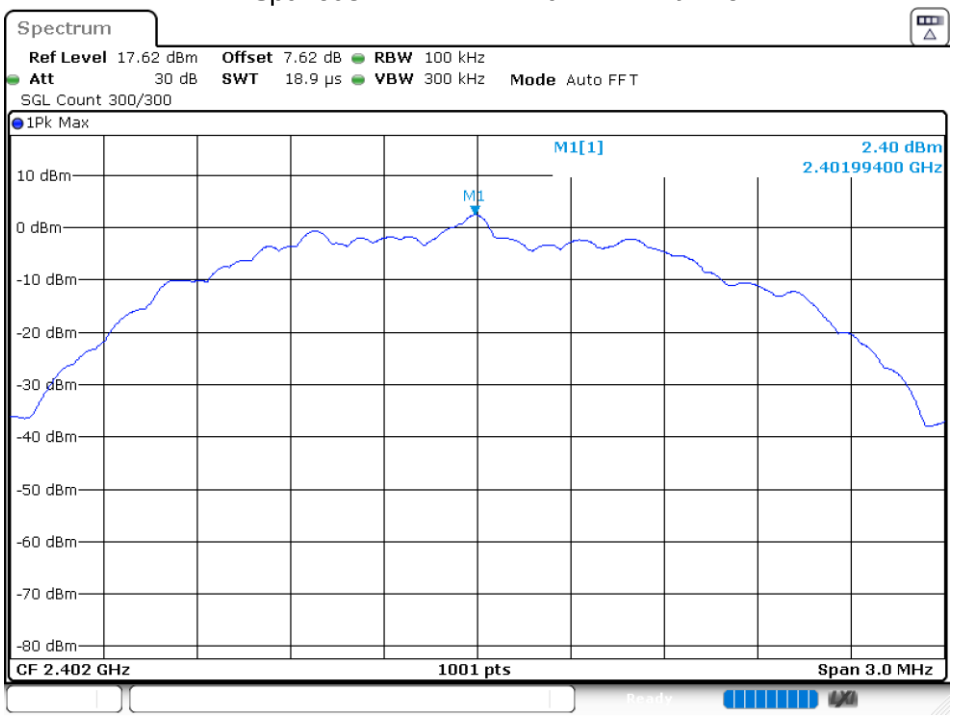


Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.47995 GHz	1.38 dBm		
M2		1	2.4835 GHz	-54.11 dBm		
M3		1	2.5 GHz	-56.01 dBm		
M4		1	2.4863 GHz	-53.36 dBm		

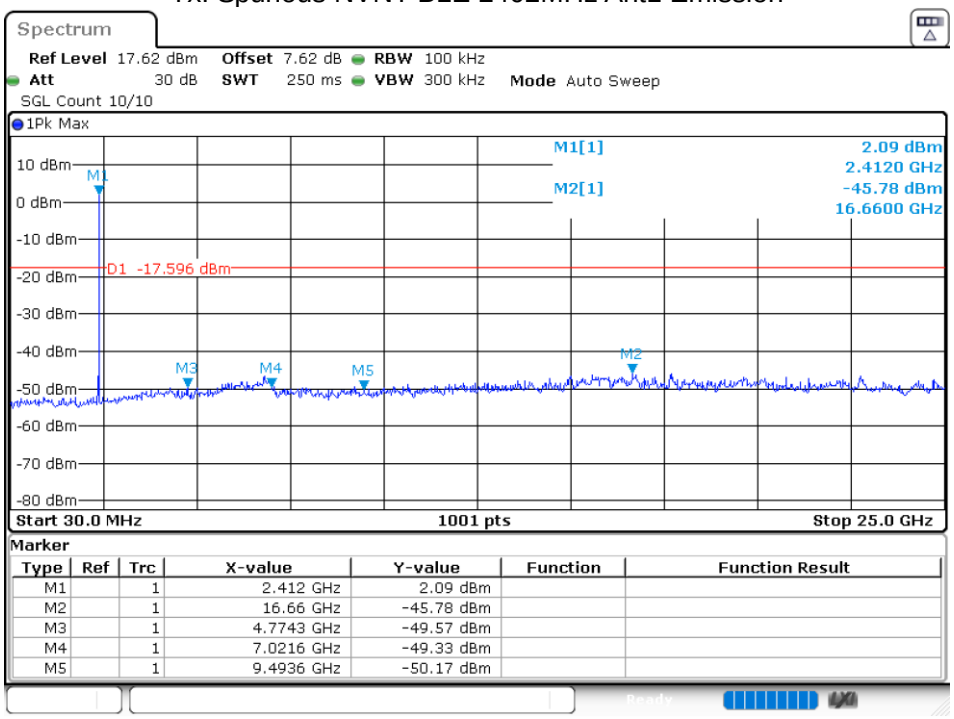
8.1.20 **Conducted RF Spurious Emission**

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE	2402	Ant 1	-48.18	-20	Pass
NVNT	BLE	2440	Ant 1	-46.72	-20	Pass
NVNT	BLE	2480	Ant 1	-50.96	-20	Pass

Tx. Spurious NVNT BLE 2402MHz Ant1 Ref



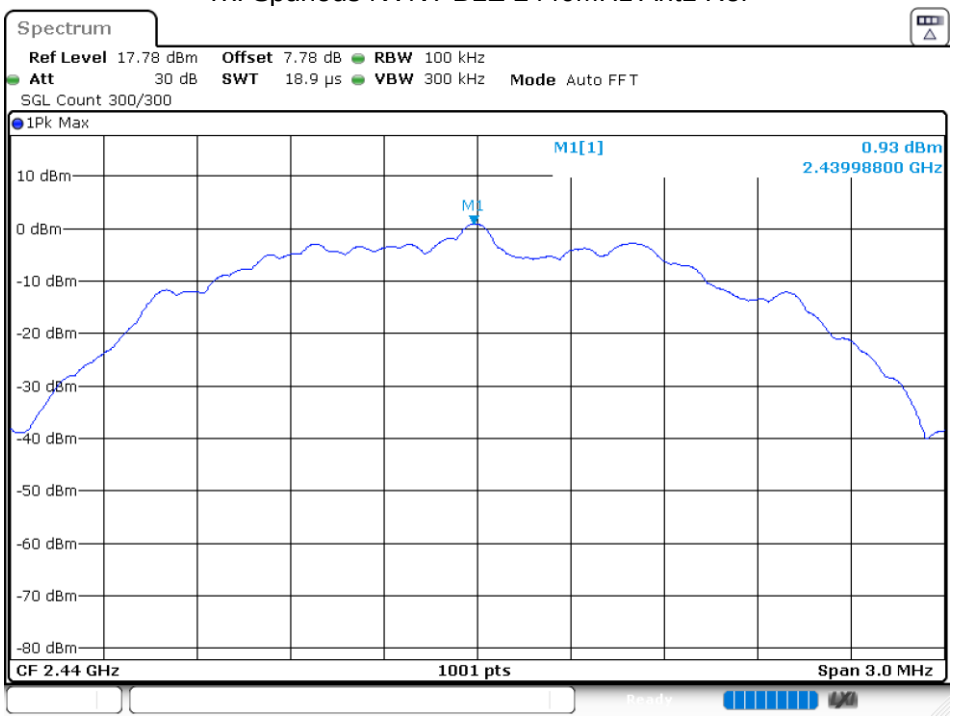
Tx. Spurious NVNT BLE 2402MHz Ant1 Emission



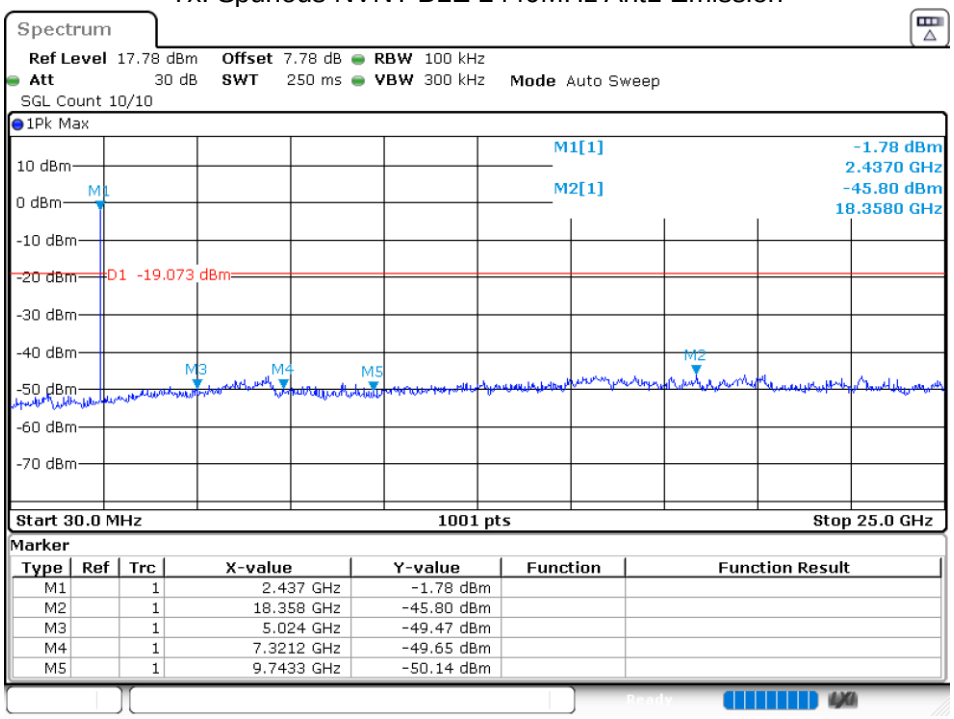
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.412 GHz	2.09 dBm		
M2		1	16.66 GHz	-45.78 dBm		
M3		1	4.7743 GHz	-49.57 dBm		
M4		1	7.0216 GHz	-49.33 dBm		
M5		1	9.4936 GHz	-50.17 dBm		

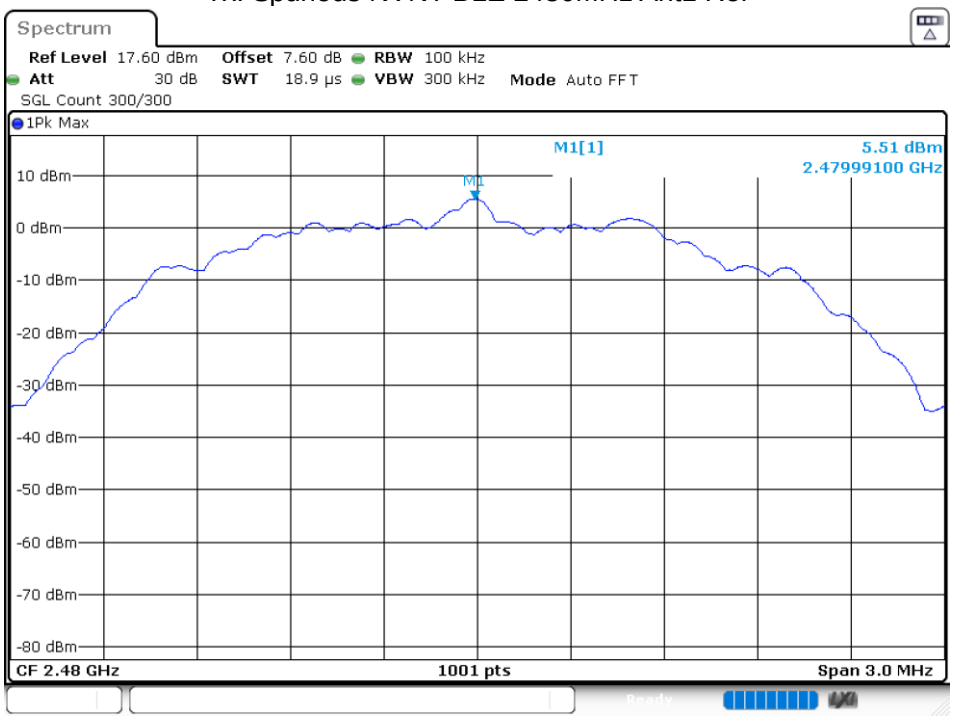
Tx. Spurious NVNT BLE 2440MHz Ant1 Ref



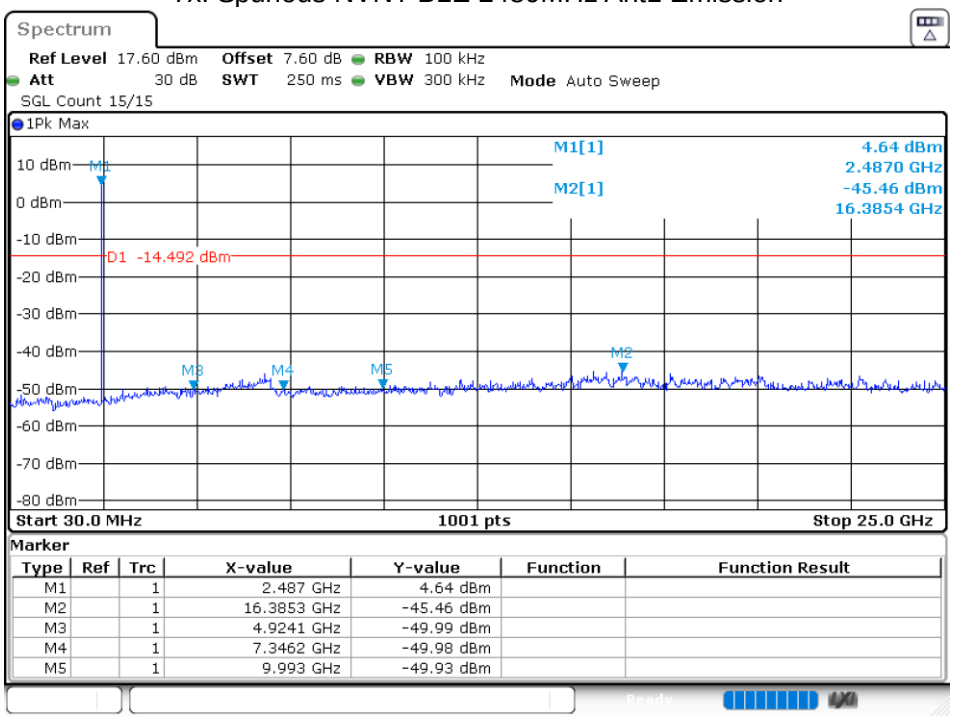
Tx. Spurious NVNT BLE 2440MHz Ant1 Emission



Tx. Spurious NVNT BLE 2480MHz Ant1 Ref



Tx. Spurious NVNT BLE 2480MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.487 GHz	4.64 dBm		
M2		1	16.3853 GHz	-45.46 dBm		
M3		1	4.9241 GHz	-49.99 dBm		
M4		1	7.3462 GHz	-49.98 dBm		
M5		1	9.993 GHz	-49.93 dBm		

END OF REPORT