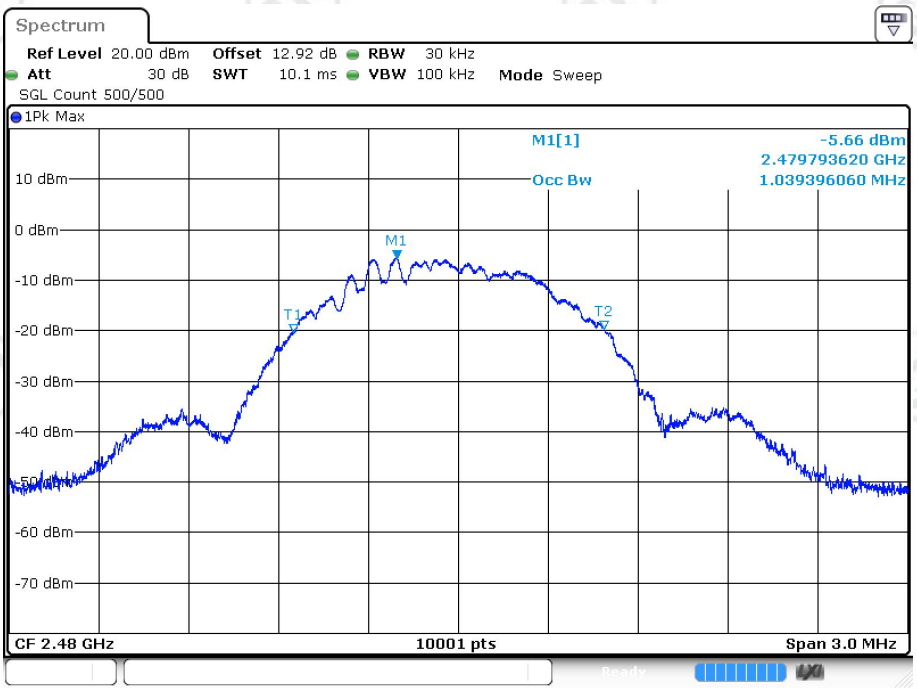
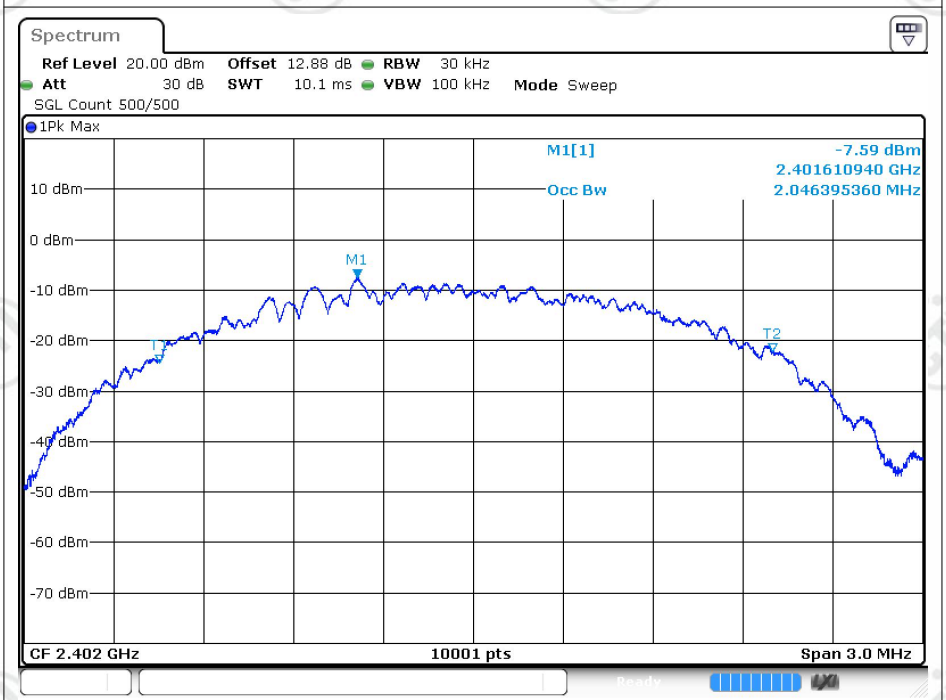
OBW NVNT BLE 1M 2480MHz Ant1



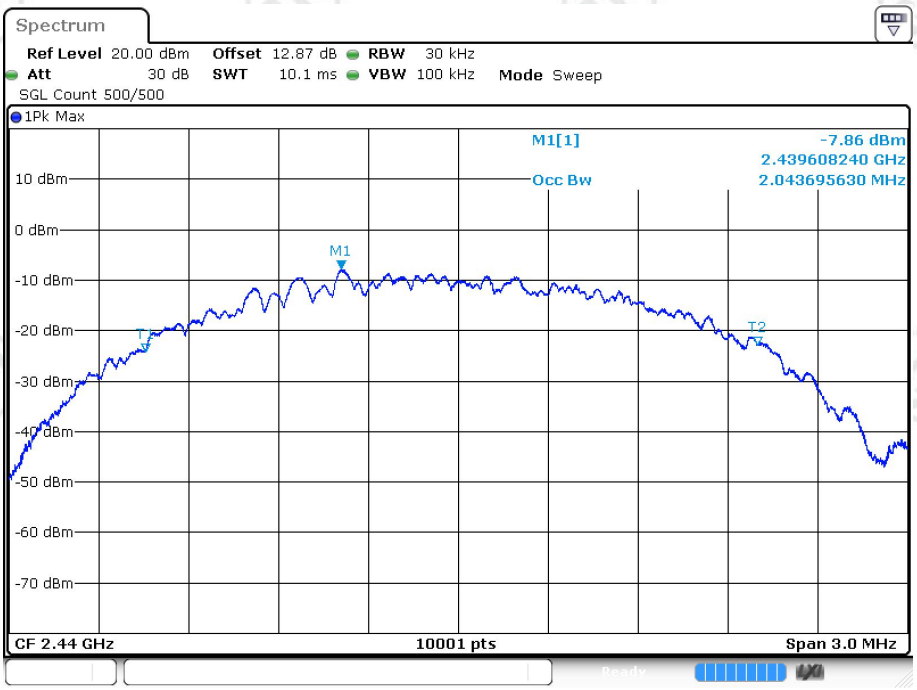
Date: 7.SEP.2022 13:53:21

OBW NVNT BLE 2M 2402MHz Ant1



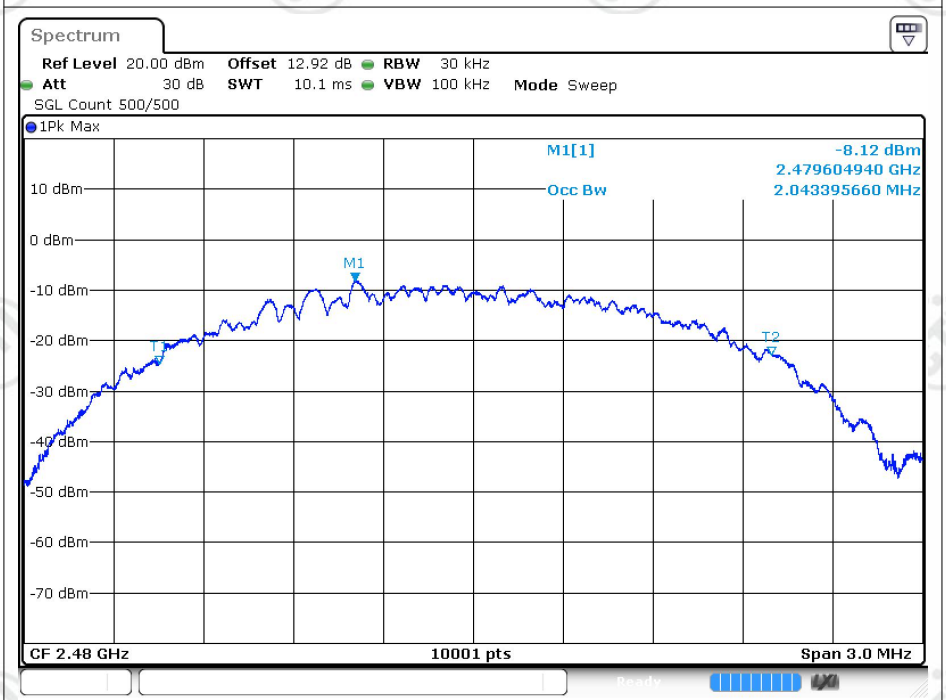
Date: 7.SEP.2022 13:55:25

OBW NVNT BLE 2M 2440MHz Ant1



Date: 7.SEP.2022 13:57:33

OBW NVNT BLE 2M 2480MHz Ant1



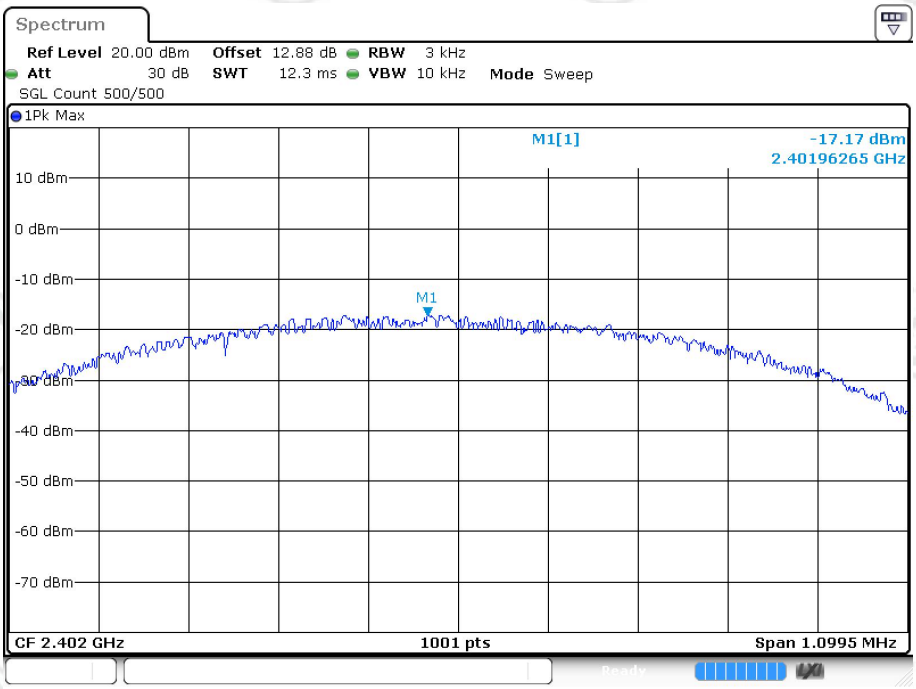
Date: 7.SEP.2022 14:02:16

Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	-17.17	0	-17.17	8	Pass
NVNT	BLE 1M	2440	Ant1	-17.24	0	-17.24	8	Pass
NVNT	BLE 1M	2480	Ant1	-17.13	0	-17.13	8	Pass
NVNT	BLE 2M	2402	Ant1	-22.12	0	-22.12	8	Pass
NVNT	BLE 2M	2440	Ant1	-22.03	0	-22.03	8	Pass
NVNT	BLE 2M	2480	Ant1	-22.45	0	-22.45	8	Pass

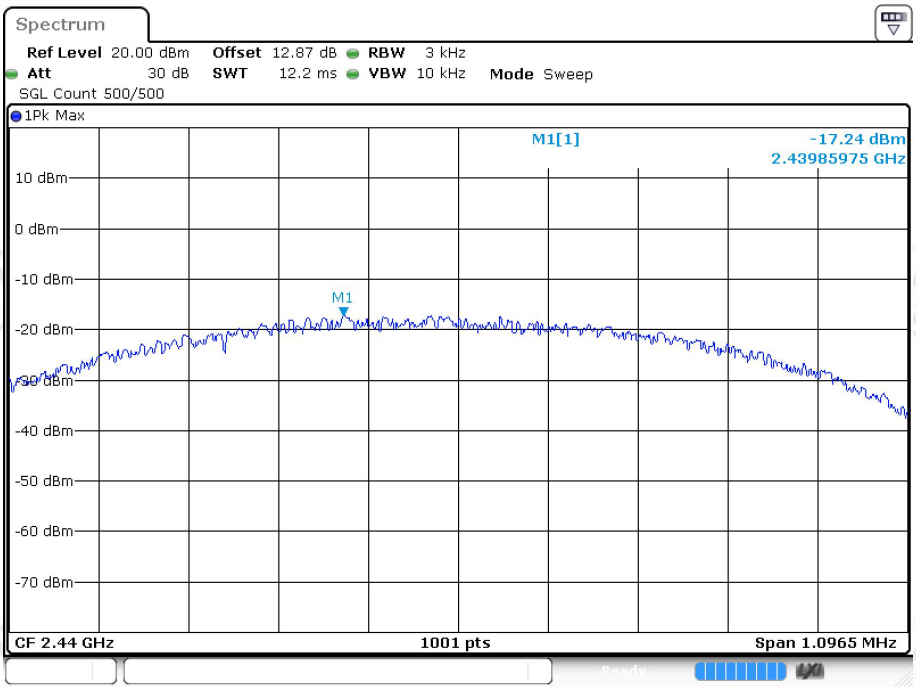
Test Graphs

PSD NVNT BLE 1M 2402MHz Ant1



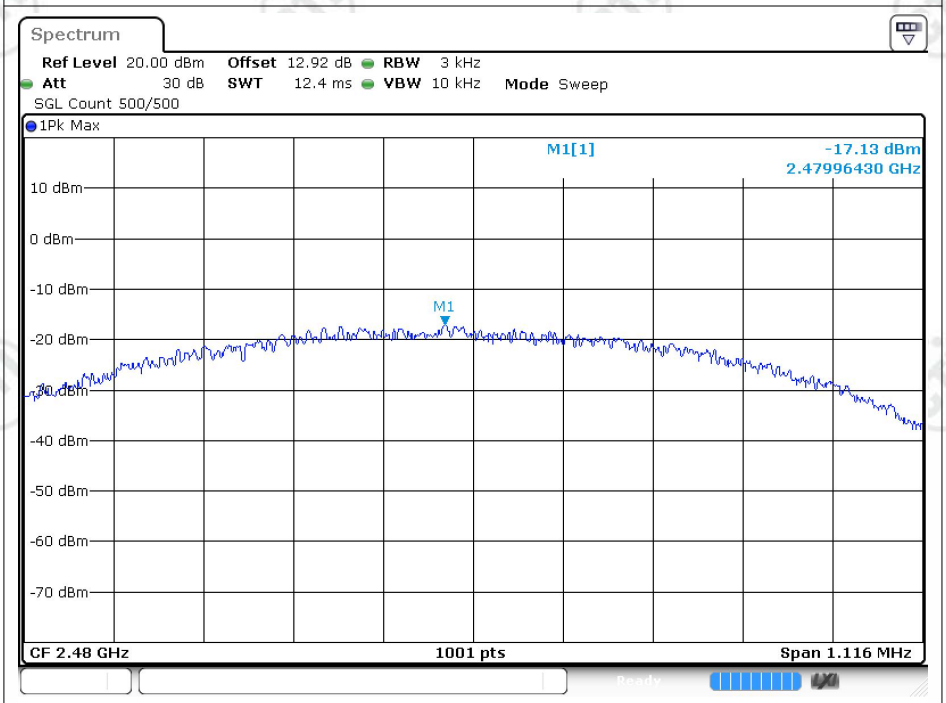
Date: 7.SEP.2022 13:50:05

PSD NVNT BLE 1M 2440MHz Ant1



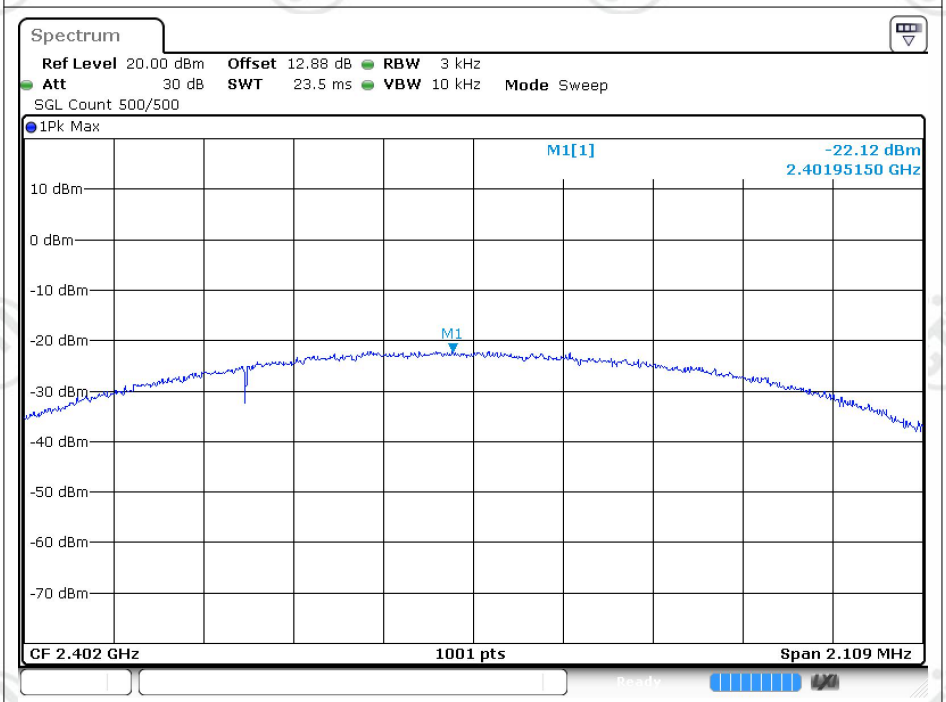
Date: 7.SEP.2022 13:51:56

PSD NVNT BLE 1M 2480MHz Ant1



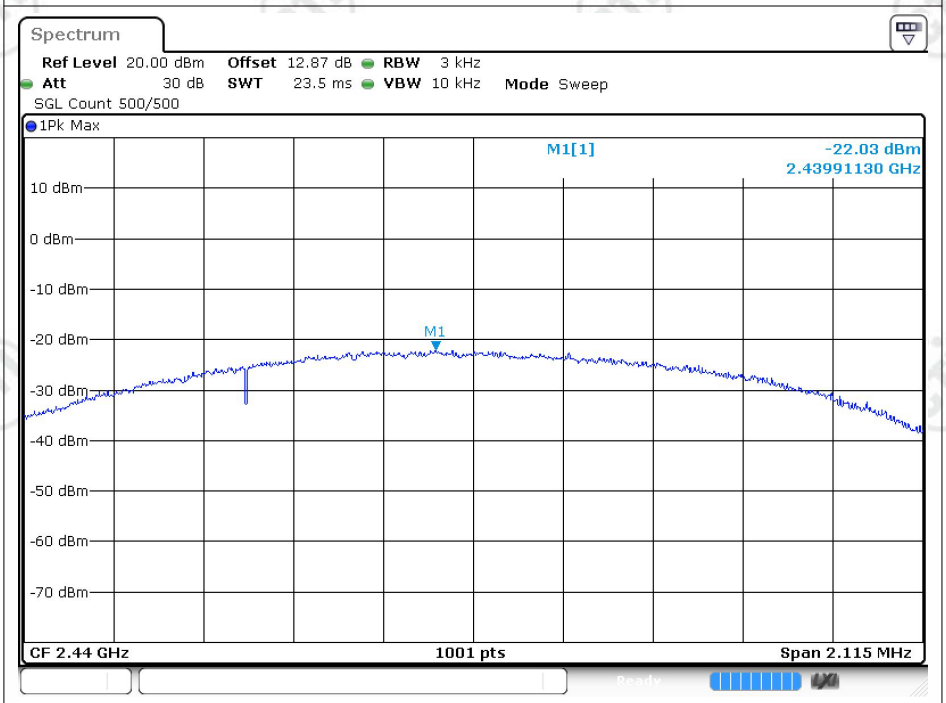
Date: 7.SEP.2022 13:53:50

PSD NVNT BLE 2M 2402MHz Ant1



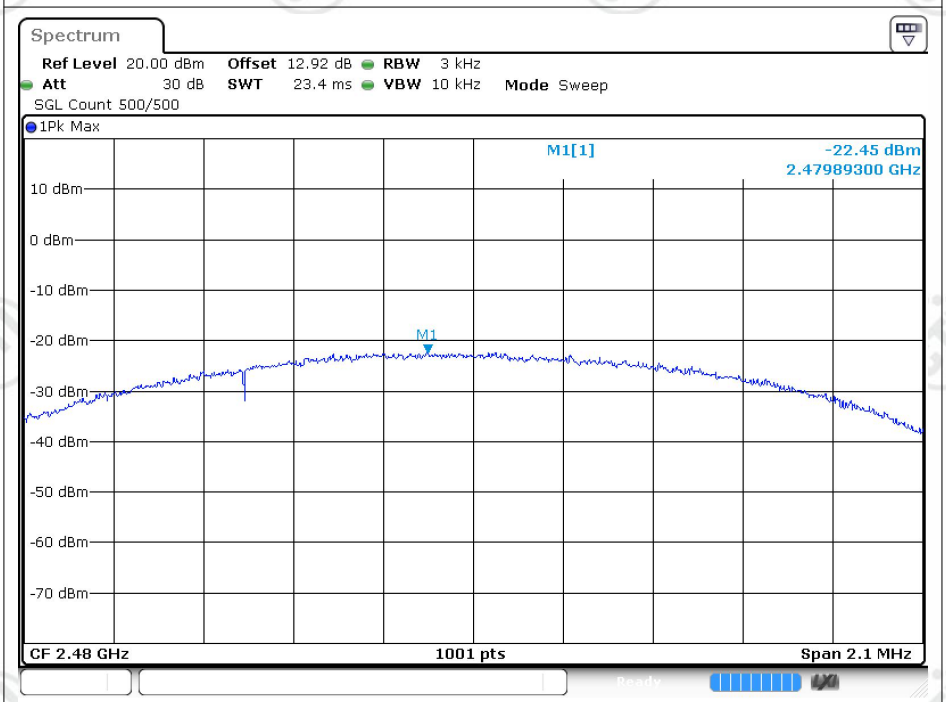
Date: 7.SEP.2022 13:56:04

PSD NVNT BLE 2M 2440MHz Ant1



Date: 7.SEP.2022 13:58:12

PSD NVNT BLE 2M 2480MHz Ant1



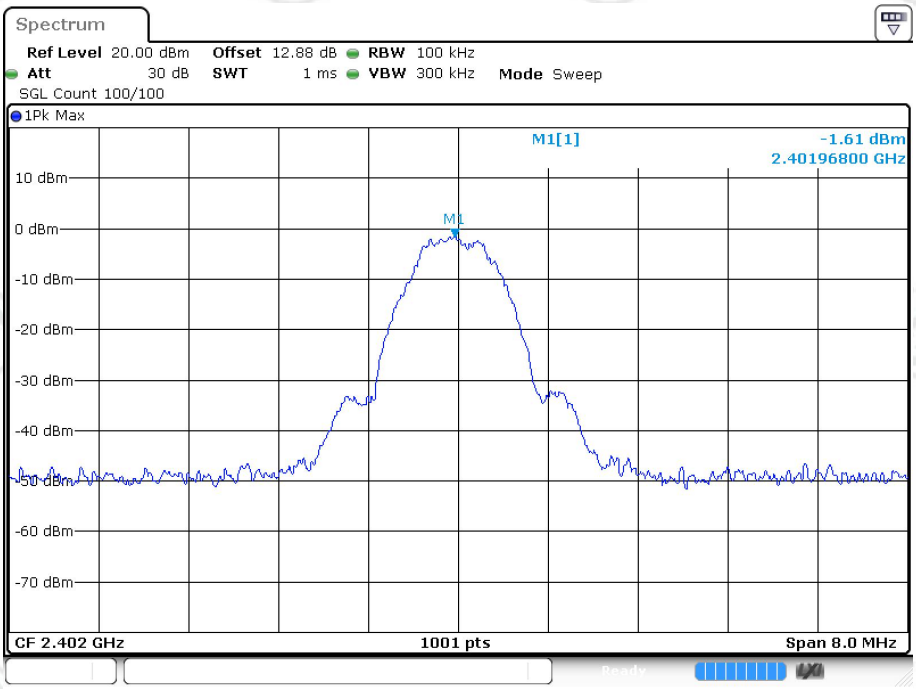
Date: 7.SEP.2022 14:02:55

Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-43.14	-20	Pass
NVNT	BLE 1M	2480	Ant1	-43.1	-20	Pass
NVNT	BLE 2M	2402	Ant1	-32.85	-20	Pass
NVNT	BLE 2M	2480	Ant1	-42.05	-20	Pass

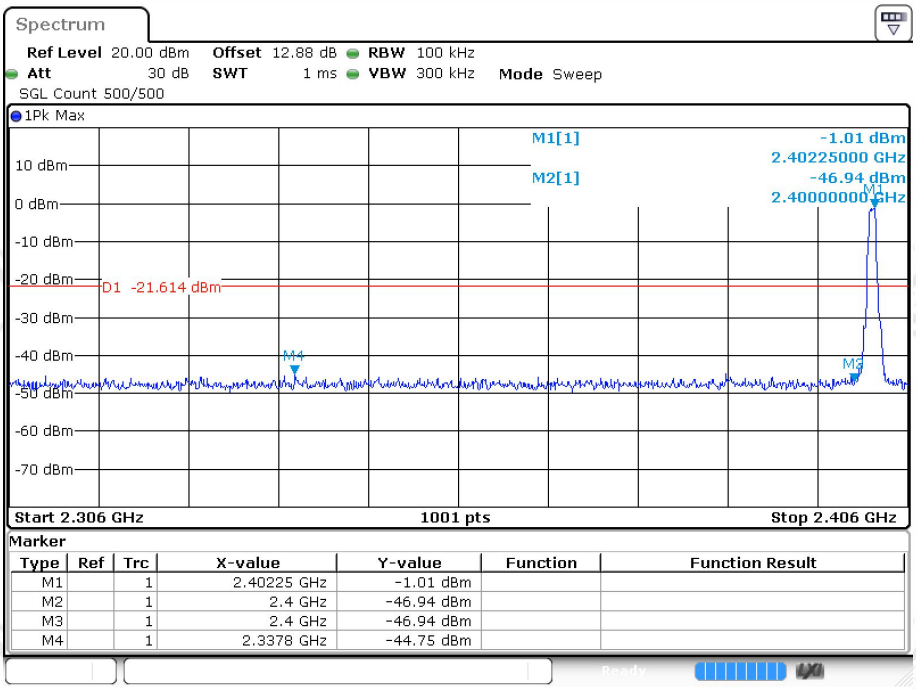
Test Graphs

Band Edge NVNT BLE 1M 2402MHz Ant1 Ref



Date: 7.SEP.2022 13:50:08

Band Edge NVNT BLE 1M 2402MHz Ant1 Emission

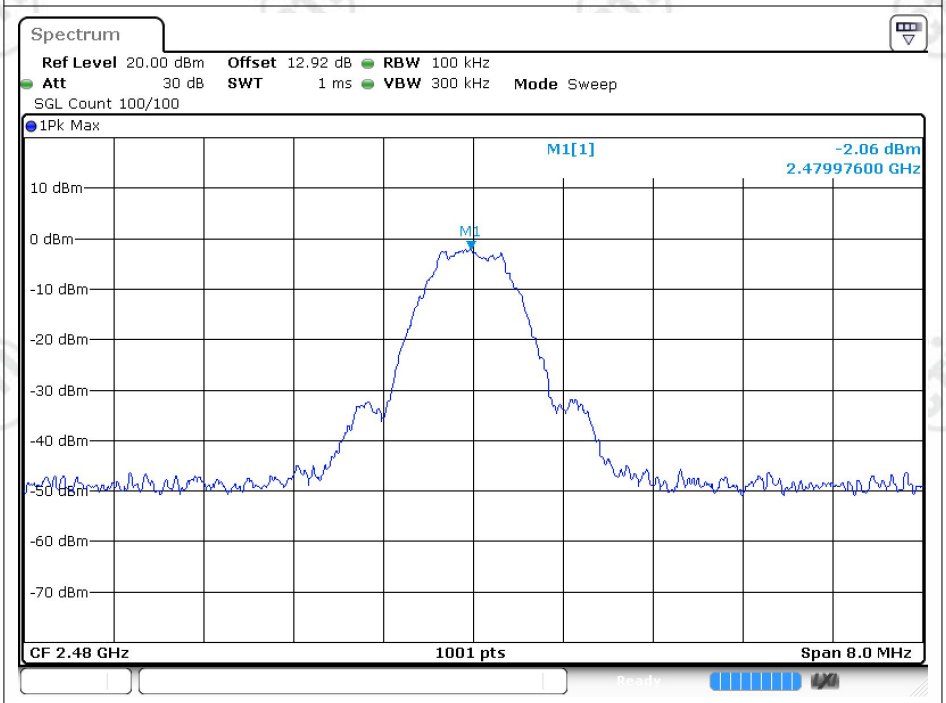


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.40225 GHz	-1.01 dBm		
M2		1	2.4 GHz	-46.94 dBm		
M3		1	2.4 GHz	-46.94 dBm		
M4		1	2.3378 GHz	-44.75 dBm		

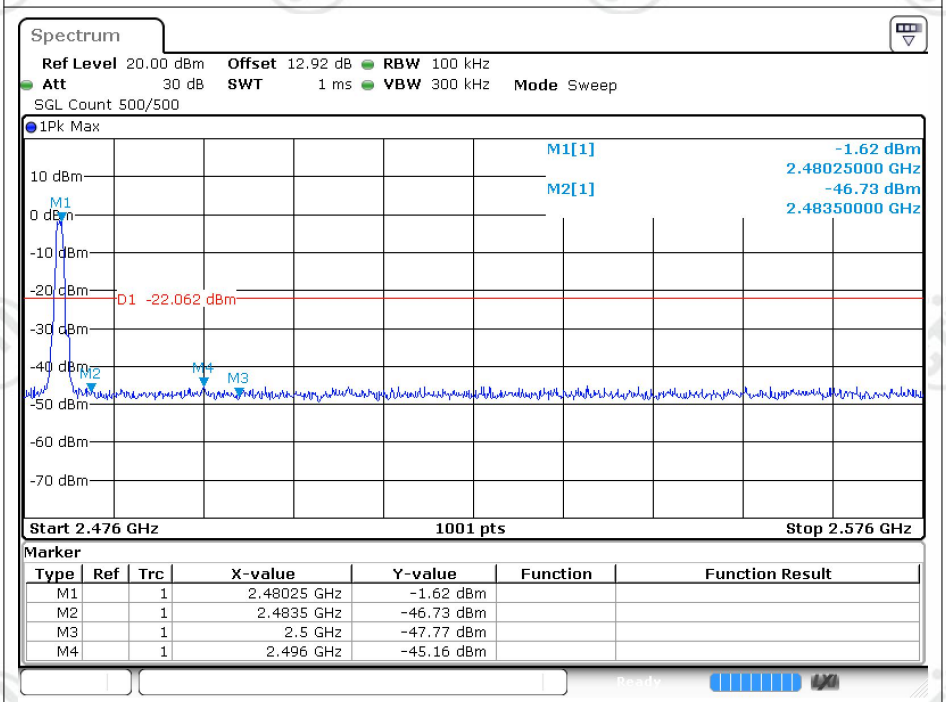
Date: 7.SEP.2022 13:50:11

Band Edge NVNT BLE 1M 2480MHz Ant1 Ref



Date: 7.SEP.2022 13:53:53

Band Edge NVNT BLE 1M 2480MHz Ant1 Emission

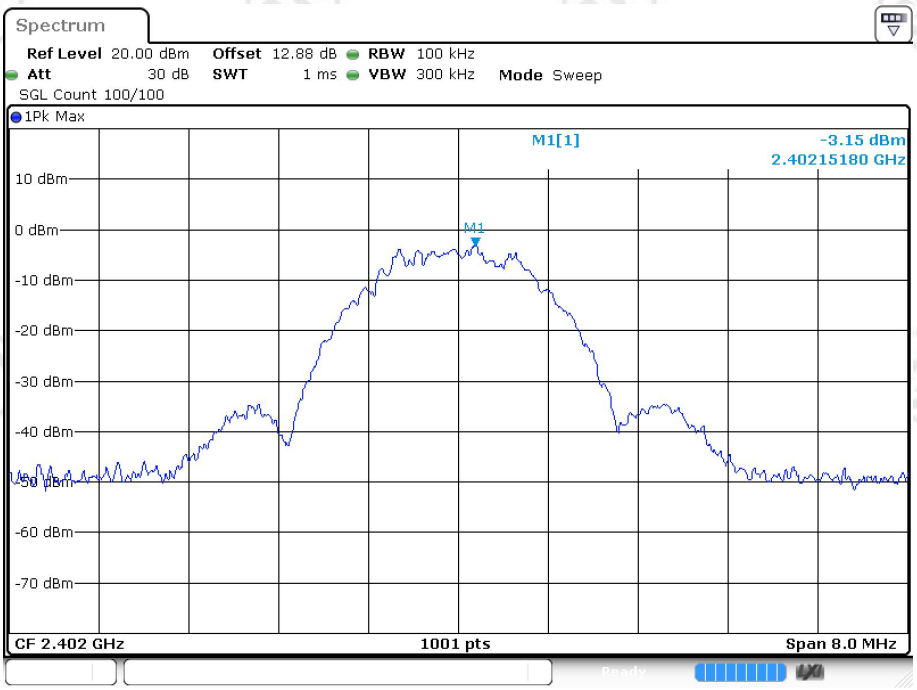


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.48025 GHz	-1.62 dBm		
M2		1	2.4835 GHz	-46.73 dBm		
M3		1	2.5 GHz	-47.77 dBm		
M4		1	2.496 GHz	-45.16 dBm		

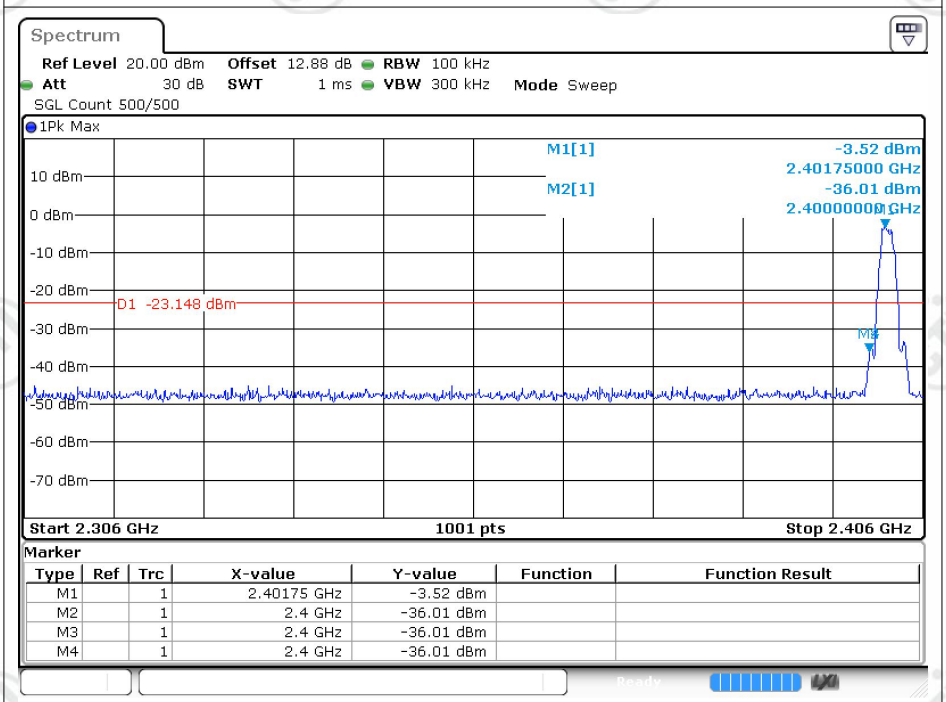
Date: 7.SEP.2022 13:53:55

Band Edge NVNT BLE 2M 2402MHz Ant1 Ref



Date: 7.SEP.2022 13:56:07

Band Edge NVNT BLE 2M 2402MHz Ant1 Emission

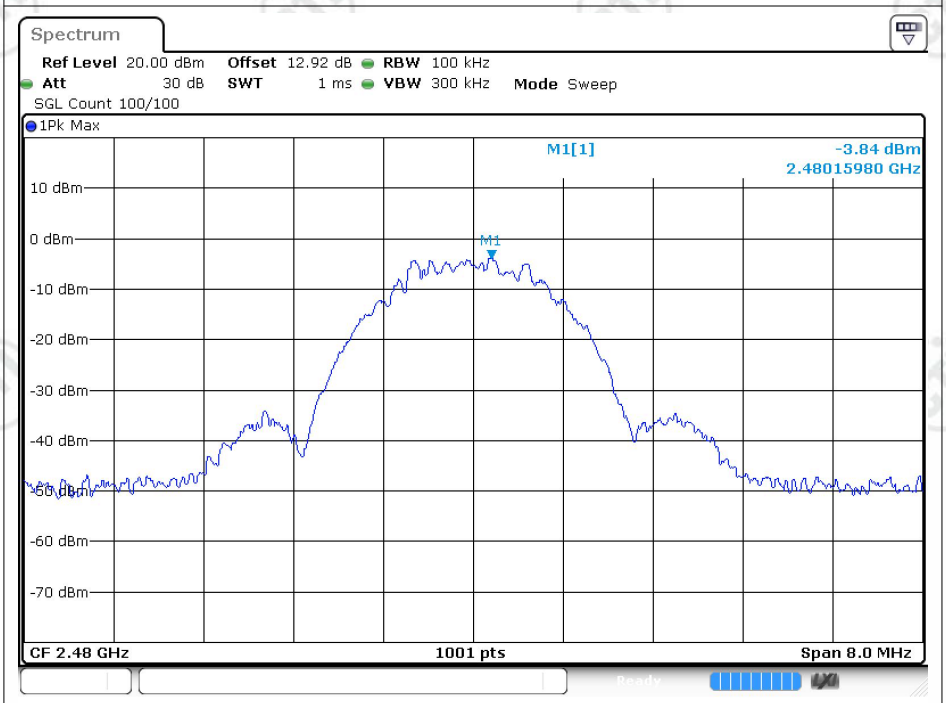


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.40175 GHz	-3.52 dBm		
M2		1	2.4 GHz	-36.01 dBm		
M3		1	2.4 GHz	-36.01 dBm		
M4		1	2.4 GHz	-36.01 dBm		

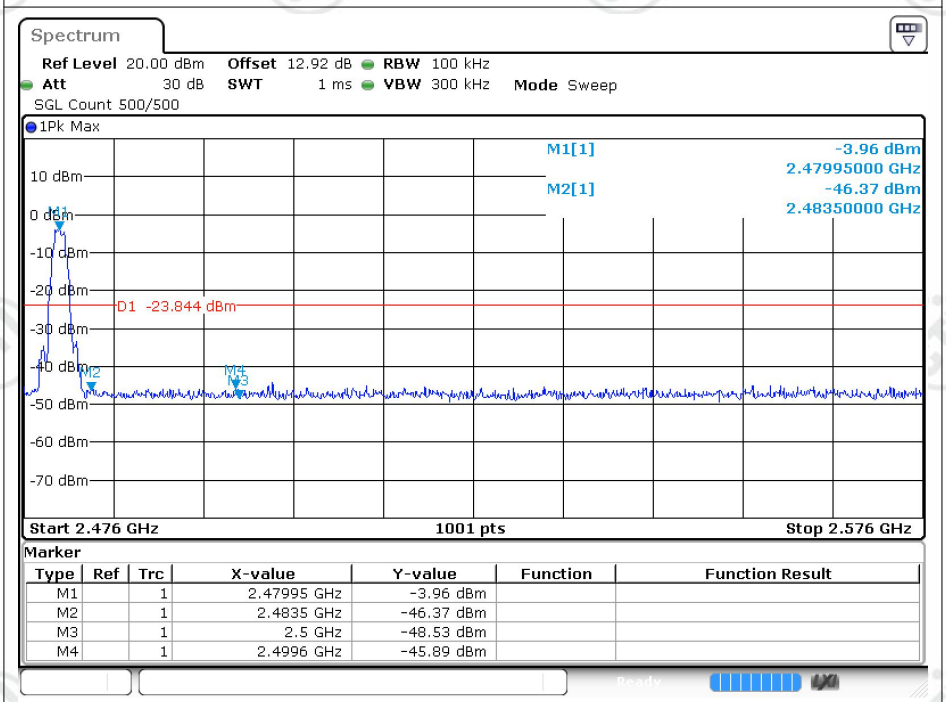
Date: 7.SEP.2022 13:56:10

Band Edge NVNT BLE 2M 2480MHz Ant1 Ref



Date: 7.SEP.2022 14:02:57

Band Edge NVNT BLE 2M 2480MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.47995 GHz	-3.96 dBm		
M2		1	2.4835 GHz	-46.37 dBm		
M3		1	2.5 GHz	-48.53 dBm		
M4		1	2.4996 GHz	-45.89 dBm		

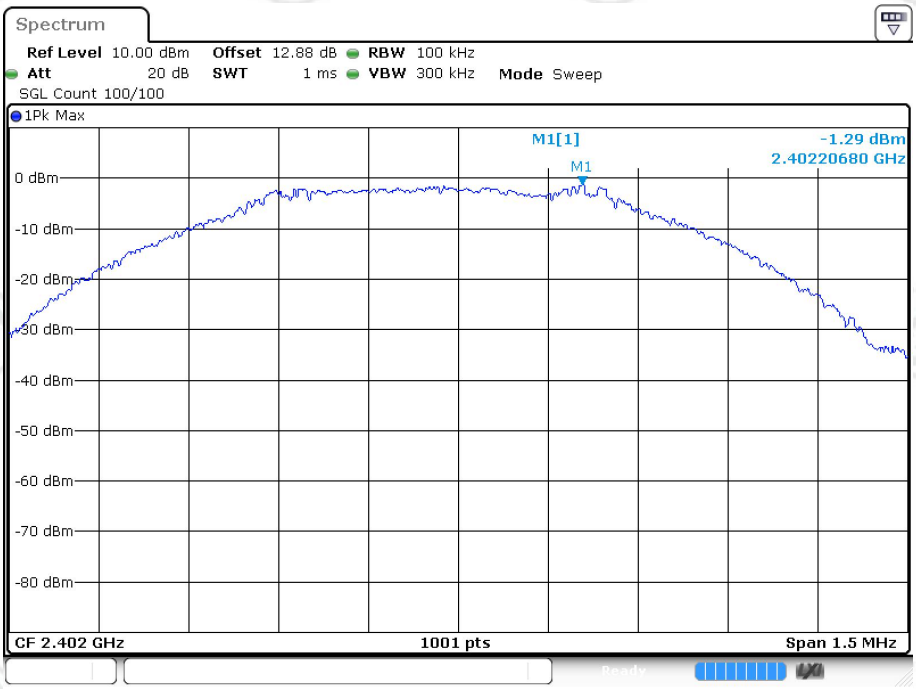
Date: 7.SEP.2022 14:03:00

Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-45.02	-20	Pass
NVNT	BLE 1M	2440	Ant1	-43.22	-20	Pass
NVNT	BLE 1M	2480	Ant1	-45.7	-20	Pass
NVNT	BLE 2M	2402	Ant1	-42.4	-20	Pass
NVNT	BLE 2M	2440	Ant1	-42.52	-20	Pass
NVNT	BLE 2M	2480	Ant1	-44.17	-20	Pass

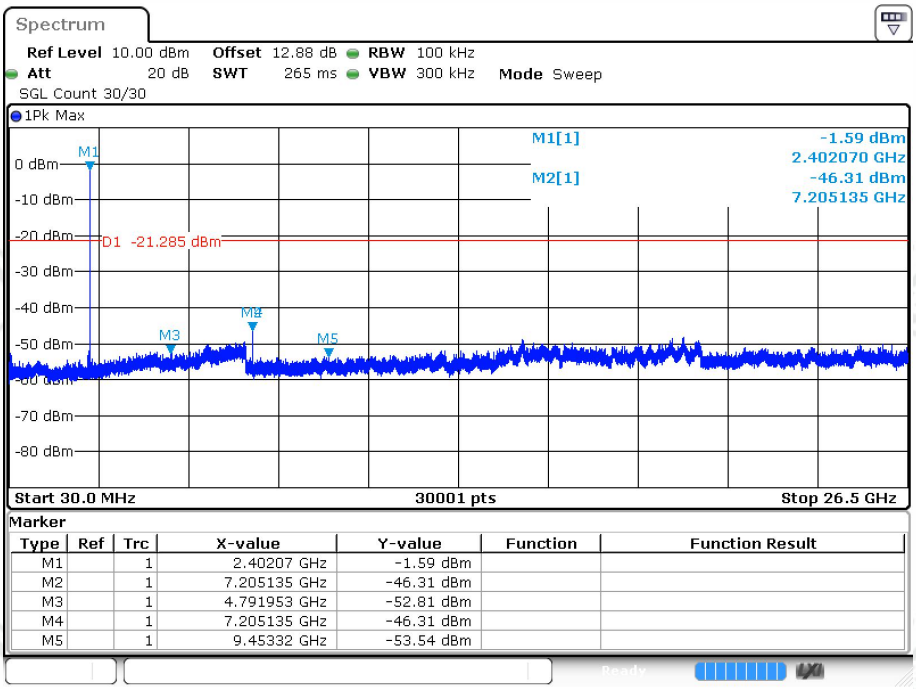
Test Graphs

Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Ref



Date: 7.SEP.2022 13:50:14

Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Emission

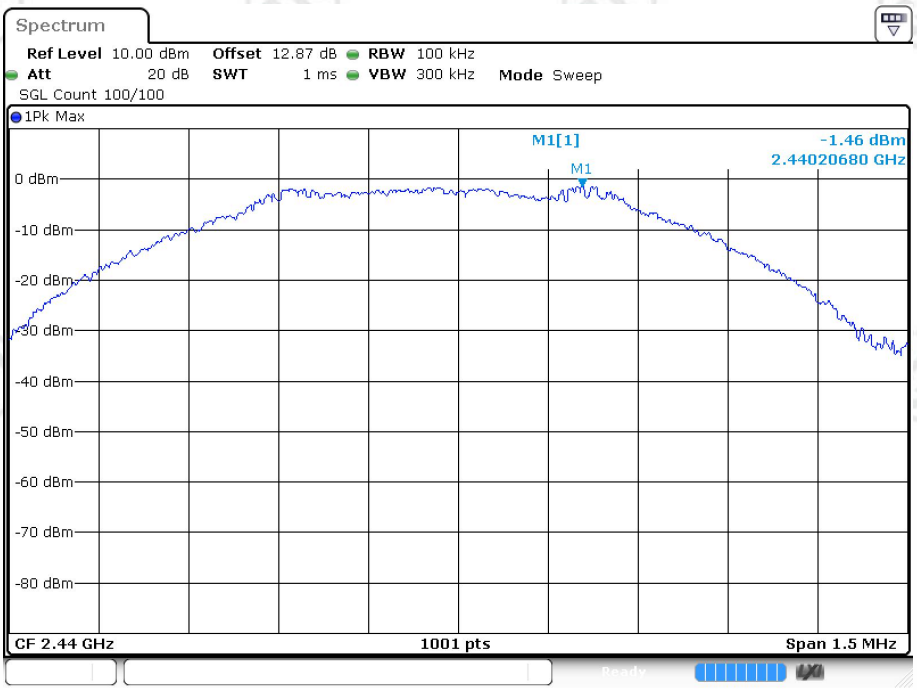


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.40207 GHz	-1.59 dBm		
M2		1	7.205135 GHz	-46.31 dBm		
M3		1	4.791953 GHz	-52.81 dBm		
M4		1	7.205135 GHz	-46.31 dBm		
M5		1	9.45332 GHz	-53.54 dBm		

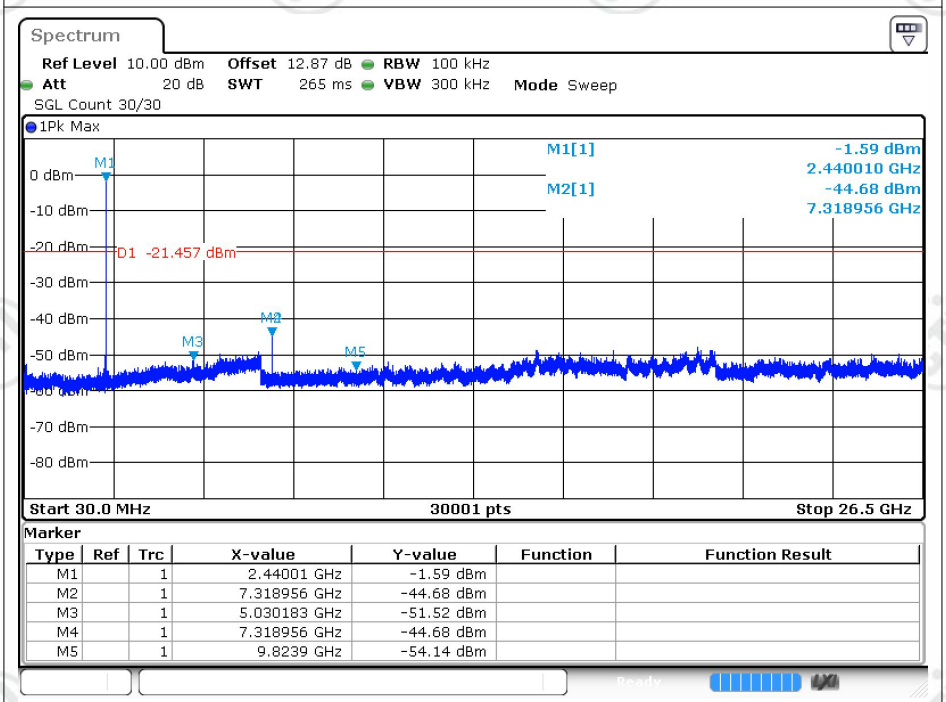
Date: 7.SEP.2022 13:50:43

Tx. Spurious NVNT BLE 1M 2440MHz Ant1 Ref



Date: 7.SEP.2022 13:52:00

Tx. Spurious NVNT BLE 1M 2440MHz Ant1 Emission

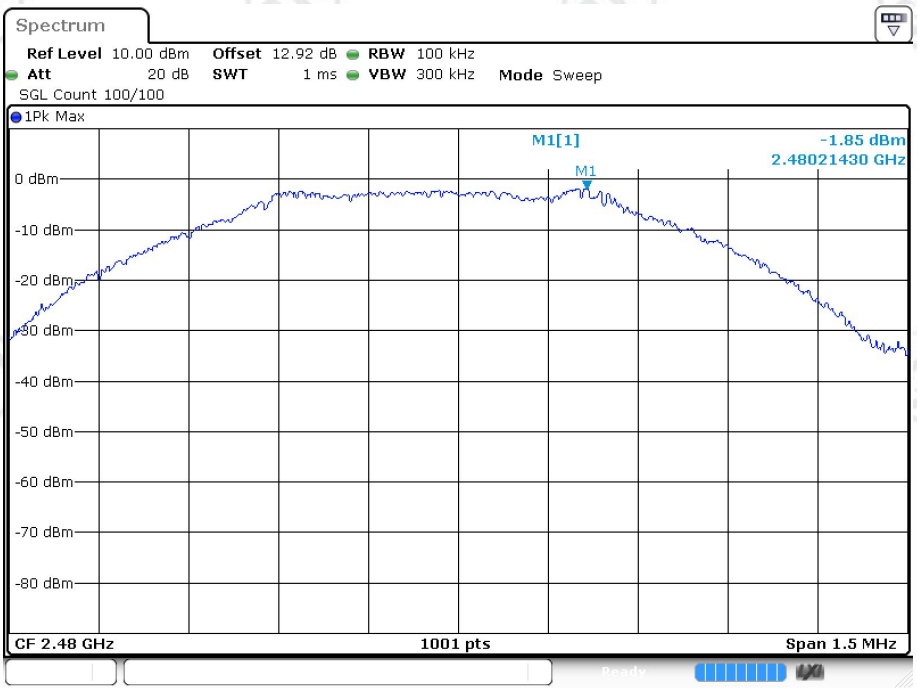


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.44001 GHz	-1.59 dBm		
M2		1	7.318956 GHz	-44.68 dBm		
M3		1	5.030183 GHz	-51.52 dBm		
M4		1	7.318956 GHz	-44.68 dBm		
M5		1	9.8239 GHz	-54.14 dBm		

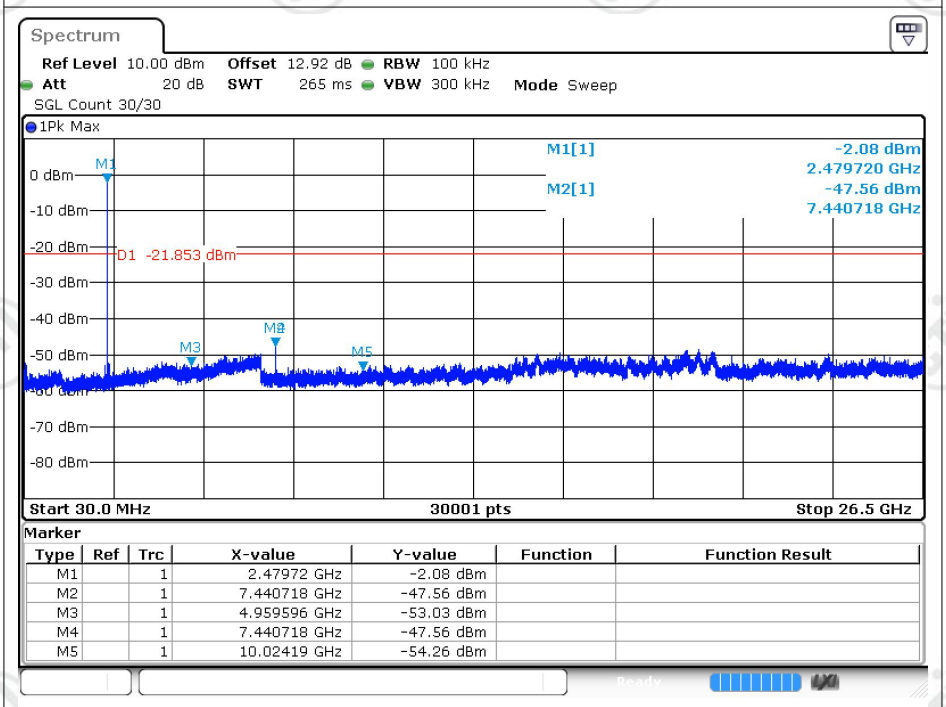
Date: 7.SEP.2022 13:52:28

Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Ref



Date: 7.SEP.2022 13:53:58

Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Emission

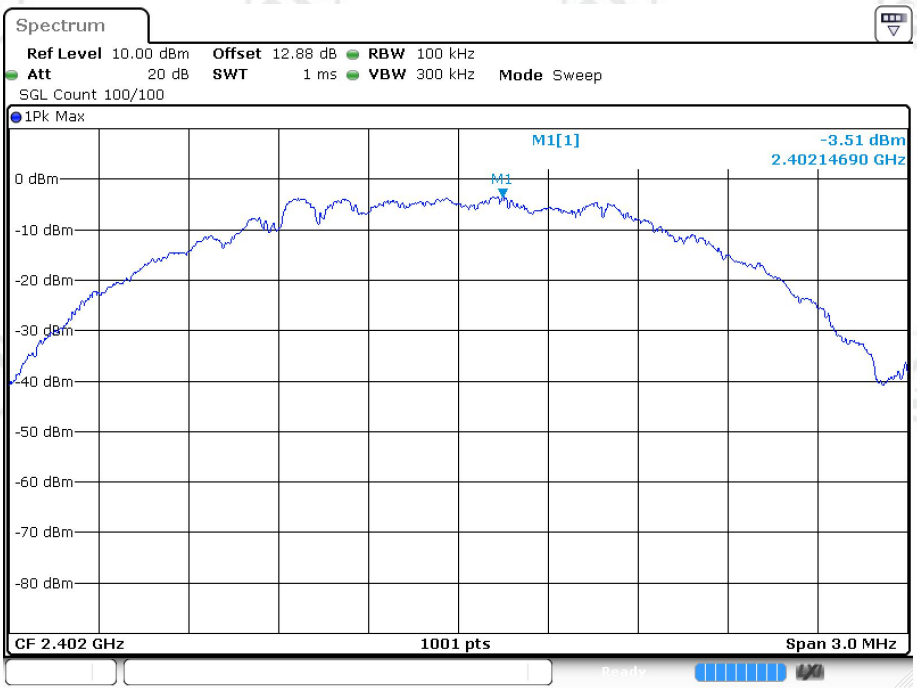


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.47972 GHz	-2.08 dBm		
M2		1	7.440718 GHz	-47.56 dBm		
M3		1	4.959596 GHz	-53.03 dBm		
M4		1	7.440718 GHz	-47.56 dBm		
M5		1	10.02419 GHz	-54.26 dBm		

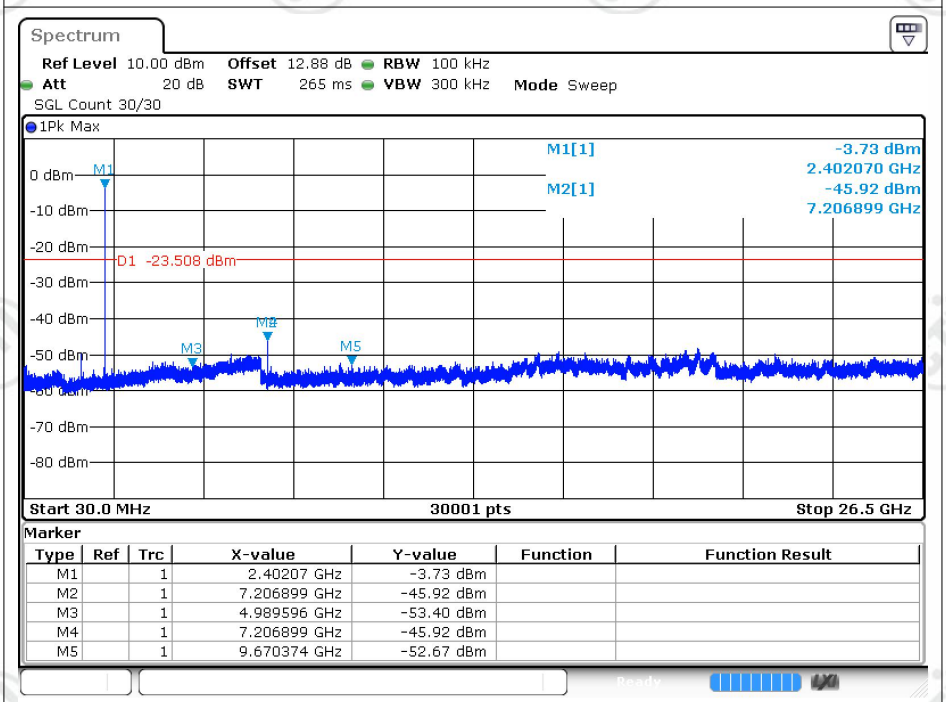
Date: 7.SEP.2022 13:54:27

Tx. Spurious NVNT BLE 2M 2402MHz Ant1 Ref



Date: 7.SEP.2022 13:56:14

Tx. Spurious NVNT BLE 2M 2402MHz Ant1 Emission

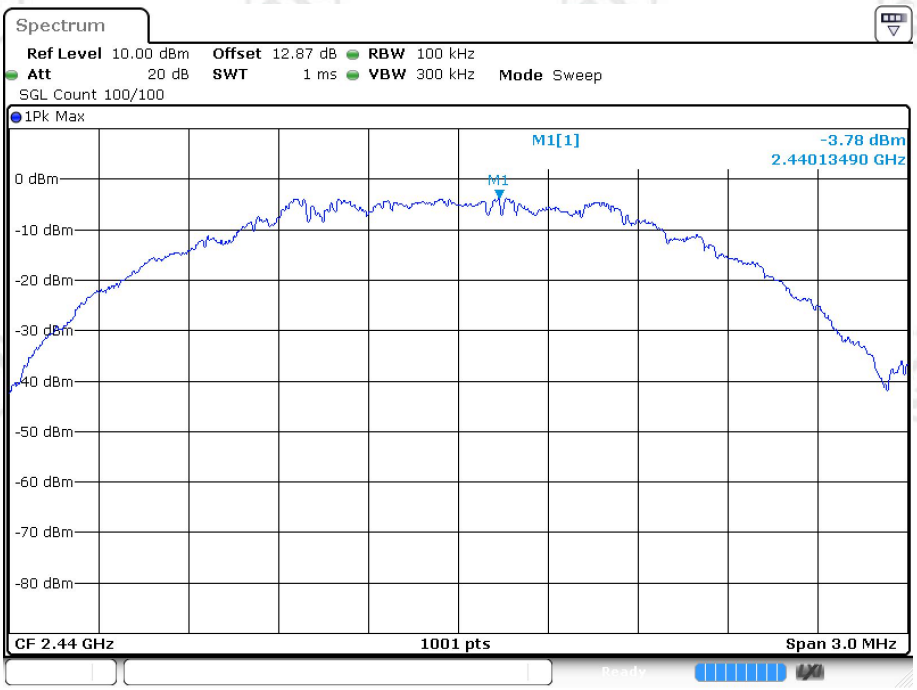


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.40207 GHz	-3.73 dBm		
M2		1	7.206899 GHz	-45.92 dBm		
M3		1	4.989596 GHz	-53.40 dBm		
M4		1	7.206899 GHz	-45.92 dBm		
M5		1	9.670374 GHz	-52.67 dBm		

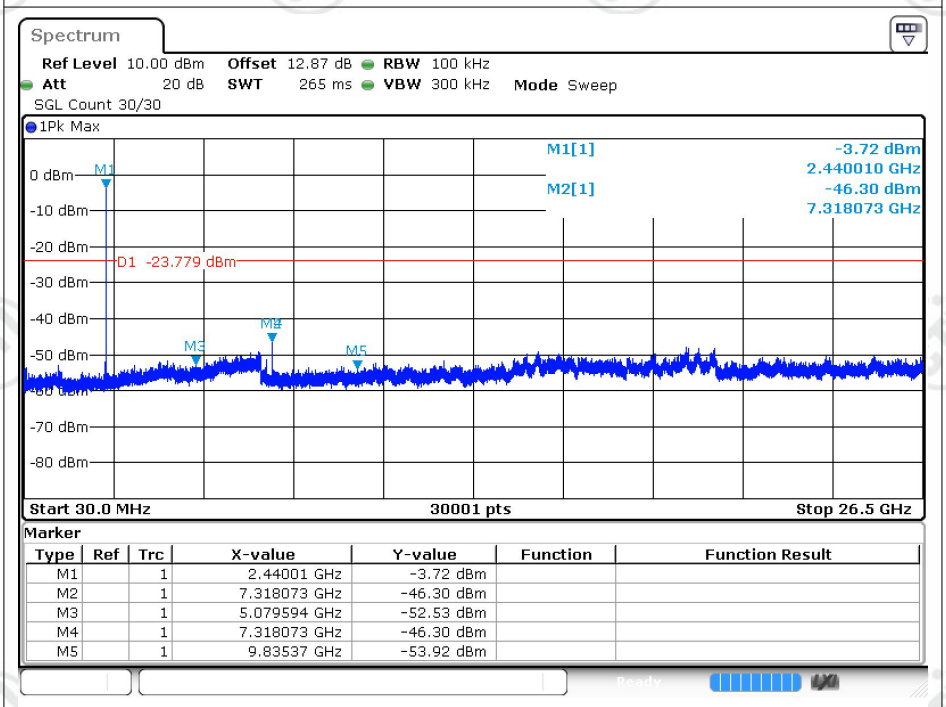
Date: 7.SEP.2022 13:56:42

Tx. Spurious NVNT BLE 2M 2440MHz Ant1 Ref



Date: 7.SEP.2022 13:58:16

Tx. Spurious NVNT BLE 2M 2440MHz Ant1 Emission

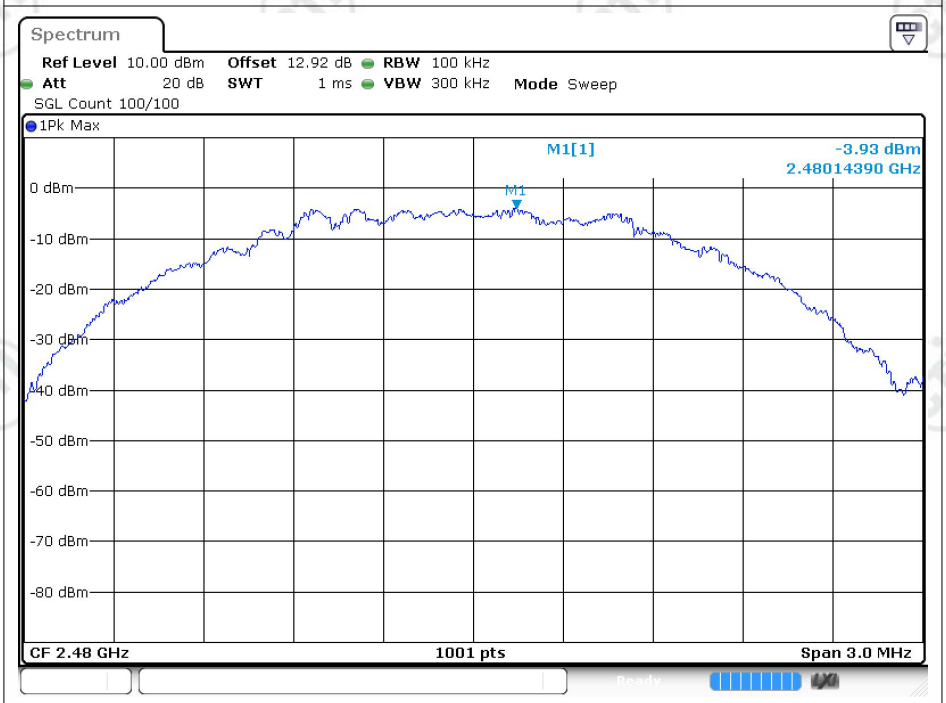


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.44001 GHz	-3.72 dBm		
M2		1	7.318073 GHz	-46.30 dBm		
M3		1	5.079594 GHz	-52.53 dBm		
M4		1	7.318073 GHz	-46.30 dBm		
M5		1	9.83537 GHz	-53.92 dBm		

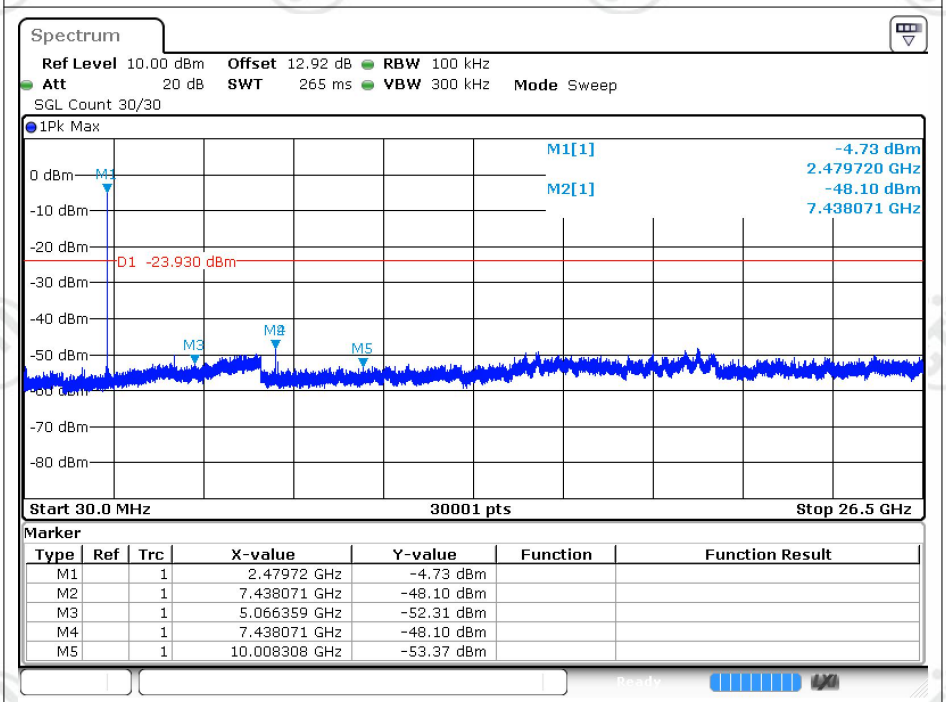
Date: 7.SEP.2022 13:58:44

Tx. Spurious NVNT BLE 2M 2480MHz Ant1 Ref



Date: 7.SEP.2022 14:03:03

Tx. Spurious NVNT BLE 2M 2480MHz Ant1 Emission



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.47972 GHz	-4.73 dBm		
M2		1	7.438071 GHz	-48.10 dBm		
M3		1	5.066359 GHz	-52.31 dBm		
M4		1	7.438071 GHz	-48.10 dBm		
M5		1	10.008308 GHz	-53.37 dBm		

Date: 7.SEP.2022 14:03:31

*** End of Report ***