



Appendix B

RF Test Data for BT LE(Conducted Measurement)

Product Name: Defender Rox

Test Model: GDI-EXDRX10

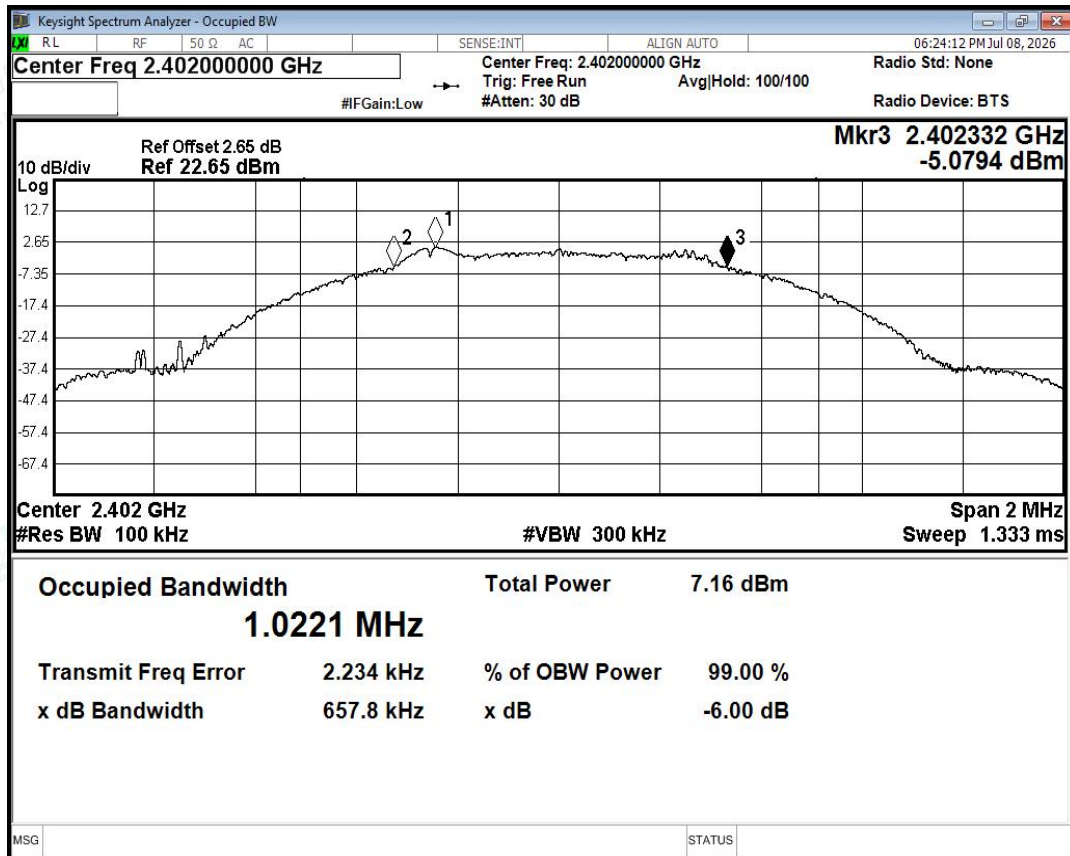
Environmental Conditions

Temperature:	24.7° C
Relative Humidity:	53.8%
ATM Pressure:	100.0 kPa
Test Engineer:	Jerry Chu
Supervised by:	Can Kun

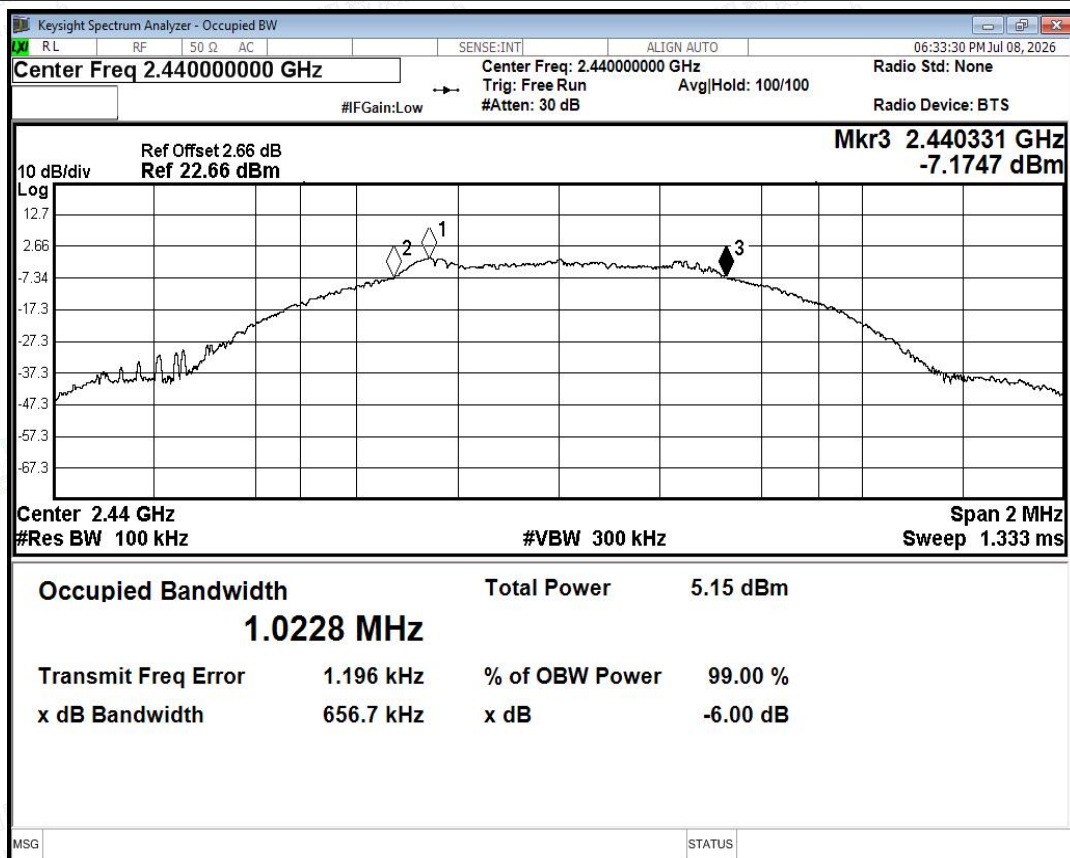


B.1 -6dB Bandwidth

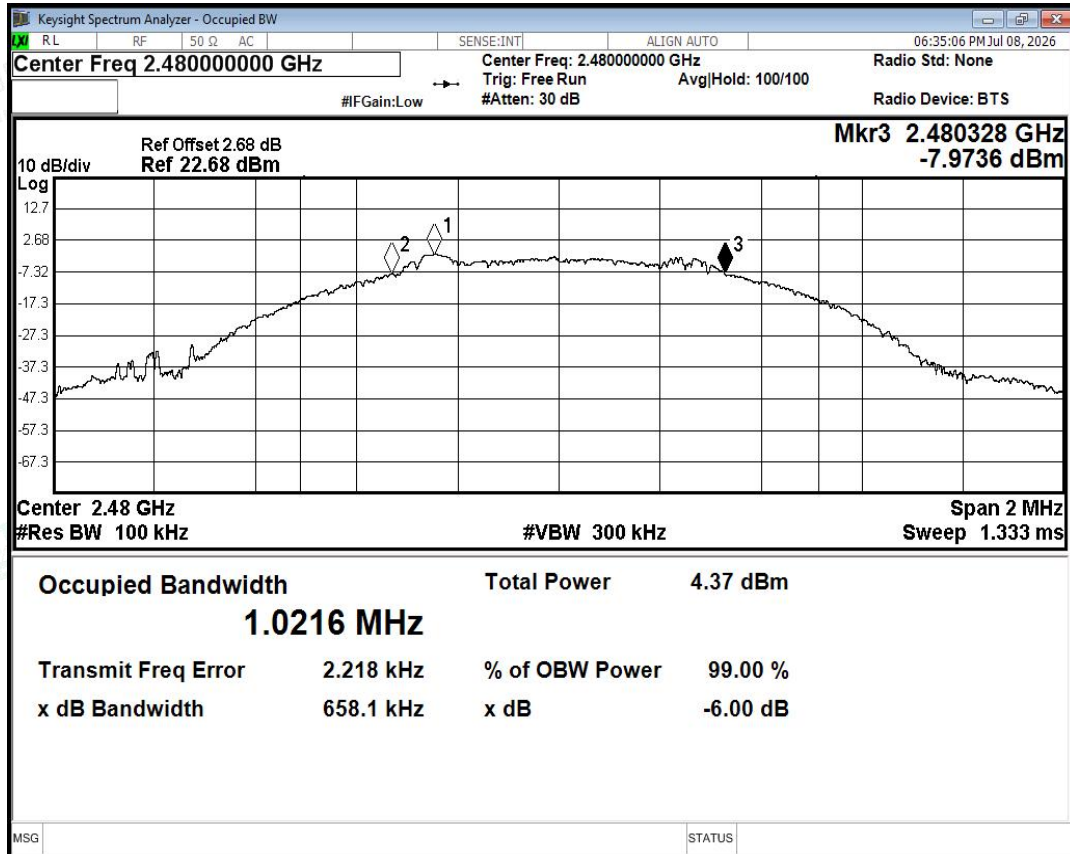
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.6578	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.6567	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.6581	0.5	Pass
NVNT	BLE 2M	2402	Ant1	1.146	0.5	Pass
NVNT	BLE 2M	2440	Ant1	1.159	0.5	Pass
NVNT	BLE 2M	2480	Ant1	1.118	0.5	Pass



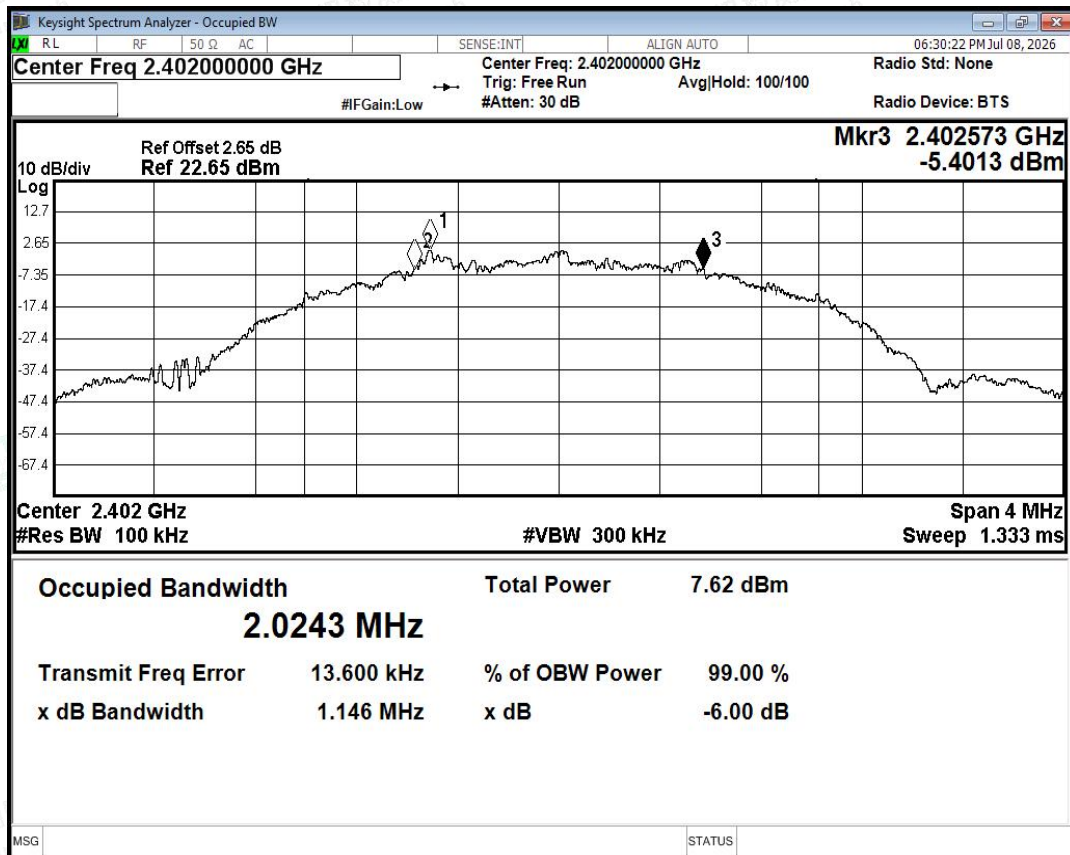
-6dB Bandwidth NVNT BLE 1M 2402MHz Ant1



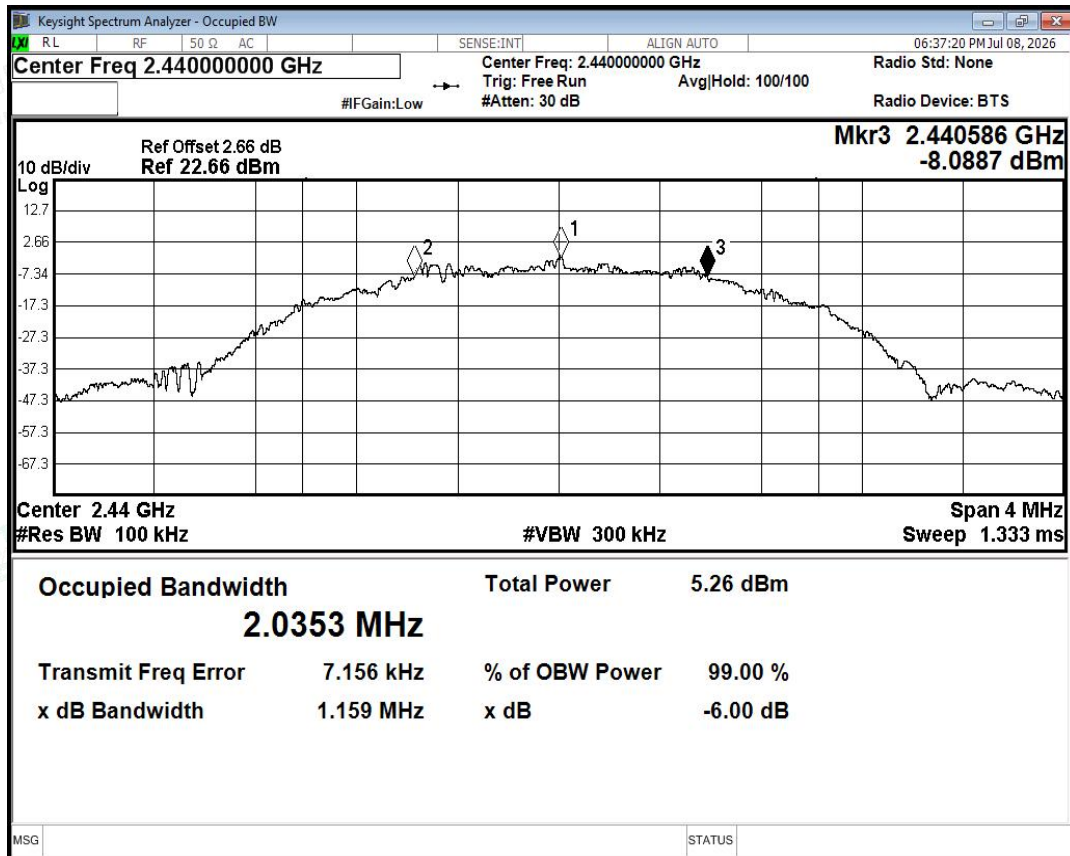
-6dB Bandwidth NVNT BLE 1M 2440MHz Ant1



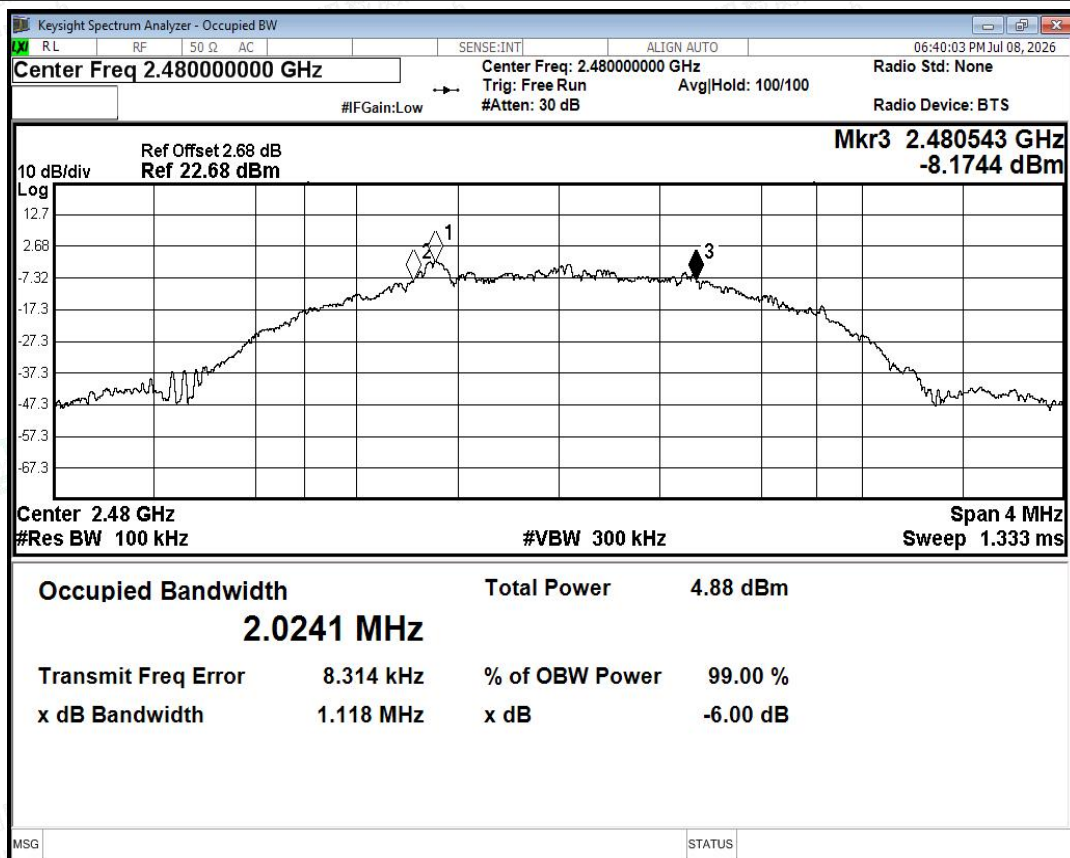
-6dB Bandwidth NVNT BLE 1M 2480MHz Ant1



-6dB Bandwidth NVNT BLE 2M 2402MHz Ant1



-6dB Bandwidth NVNT BLE 2M 2440MHz Ant1

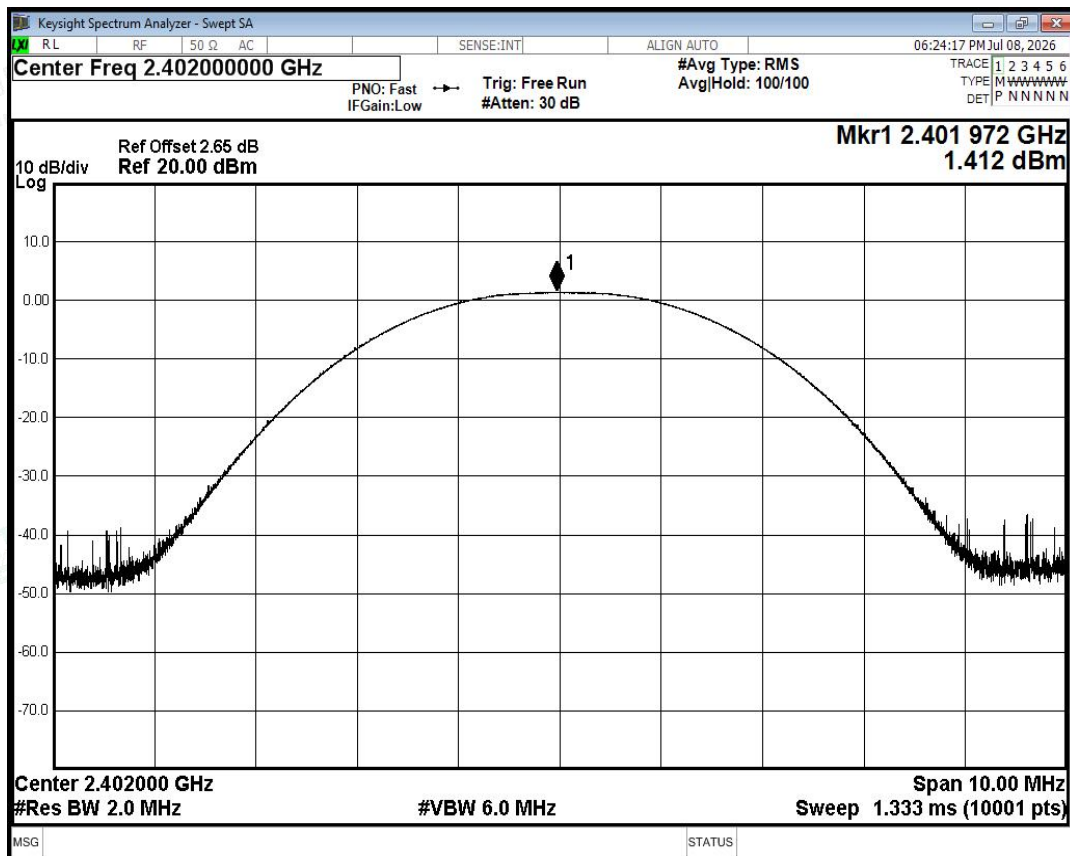


-6dB Bandwidth NVNT BLE 2M 2480MHz Ant1

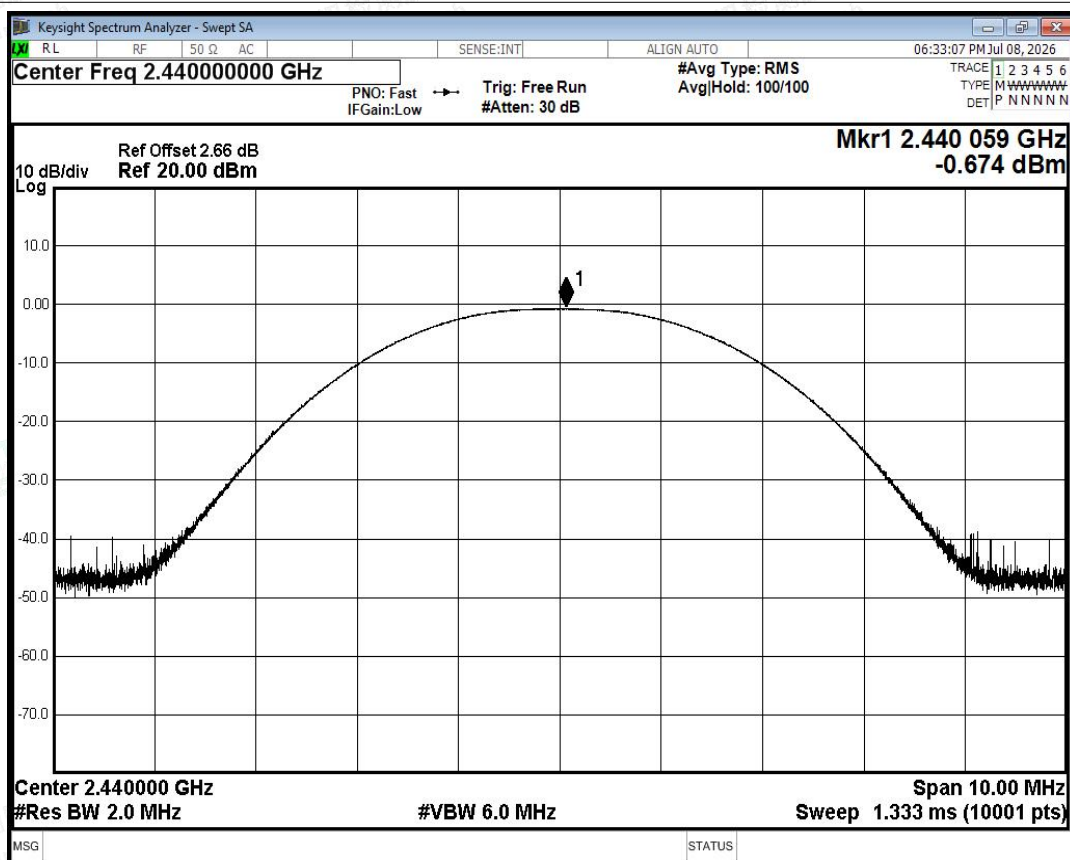


B.2 Maximum Peak Conducted Output Power

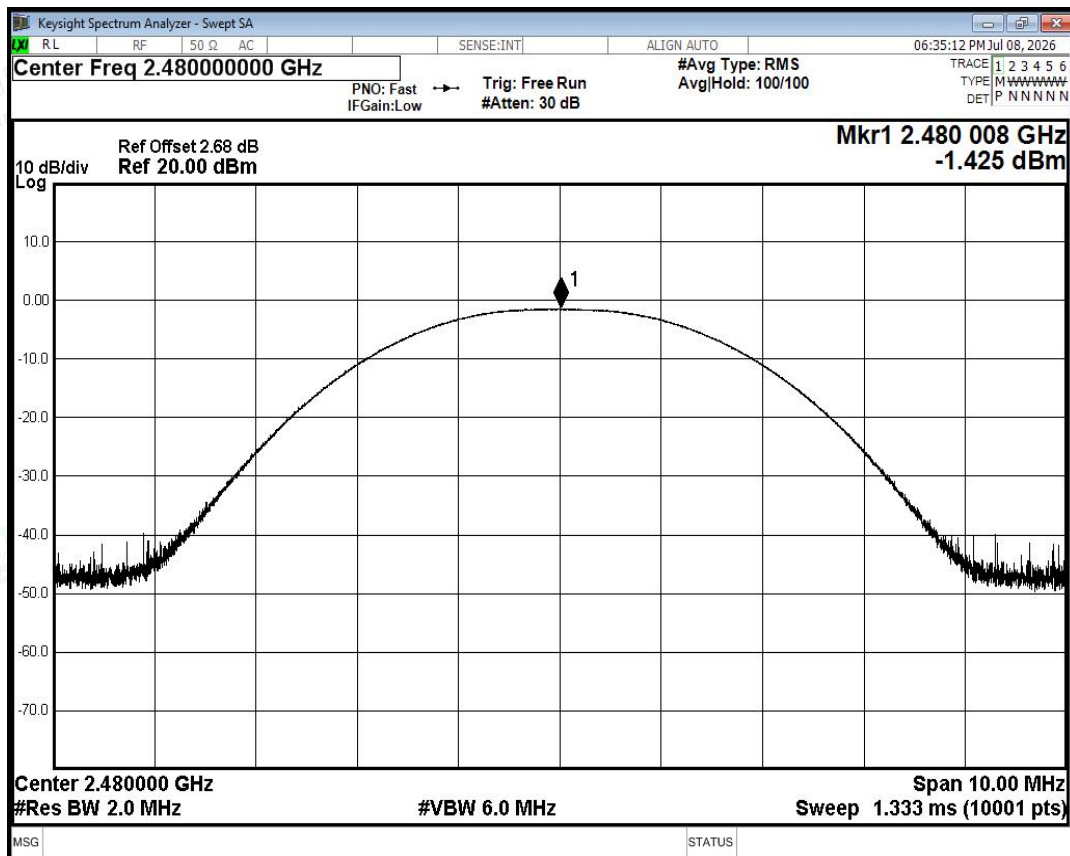
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit Conducted(dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	1.41	30	Pass
NVNT	BLE 1M	2440	Ant1	-0.67	30	Pass
NVNT	BLE 1M	2480	Ant1	-1.43	30	Pass
NVNT	BLE 2M	2402	Ant1	1.31	30	Pass
NVNT	BLE 2M	2440	Ant1	-0.9	30	Pass
NVNT	BLE 2M	2480	Ant1	-1.59	30	Pass



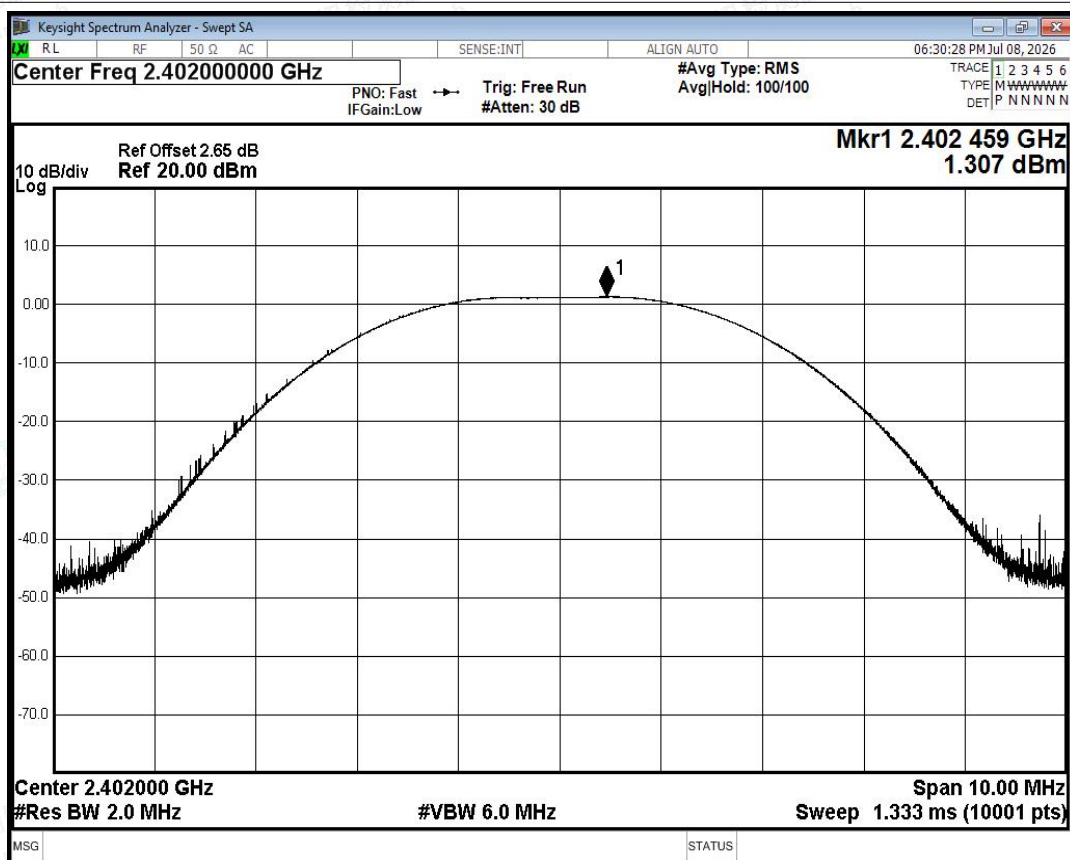
Peak Power NVNT BLE 1M 2402MHz Ant1



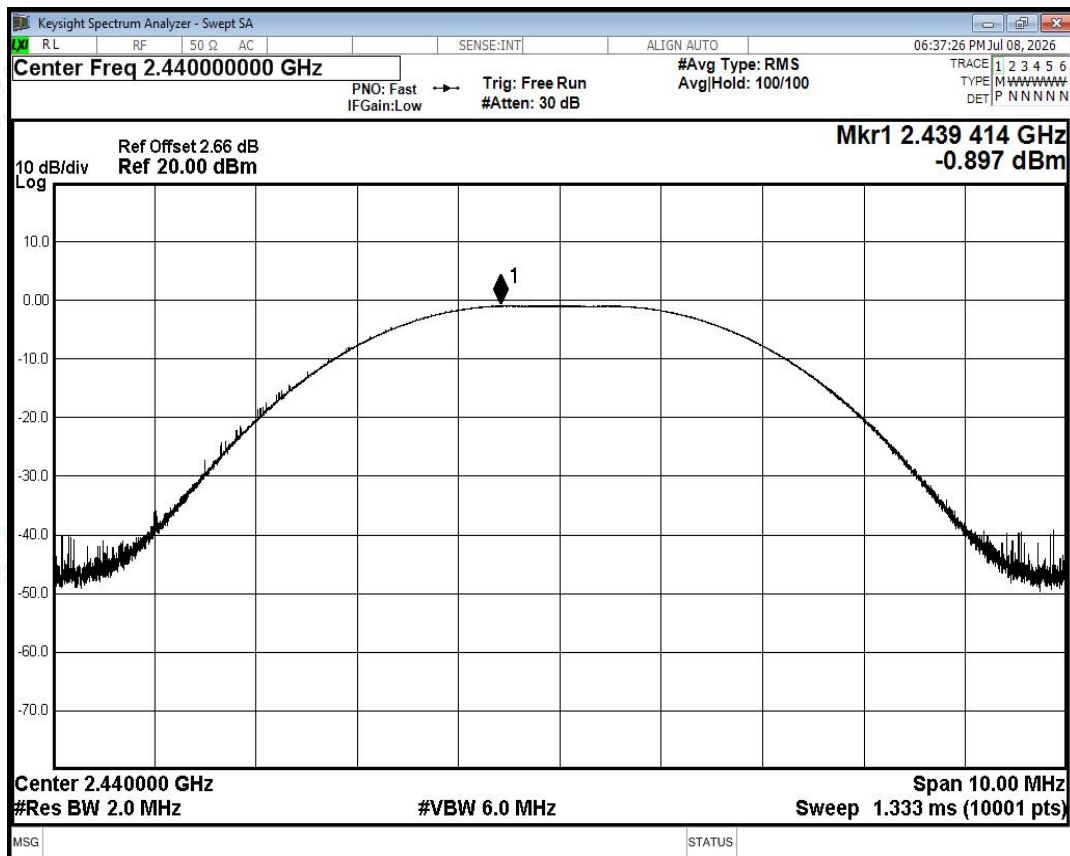
Peak Power NVNT BLE 1M 2440MHz Ant1



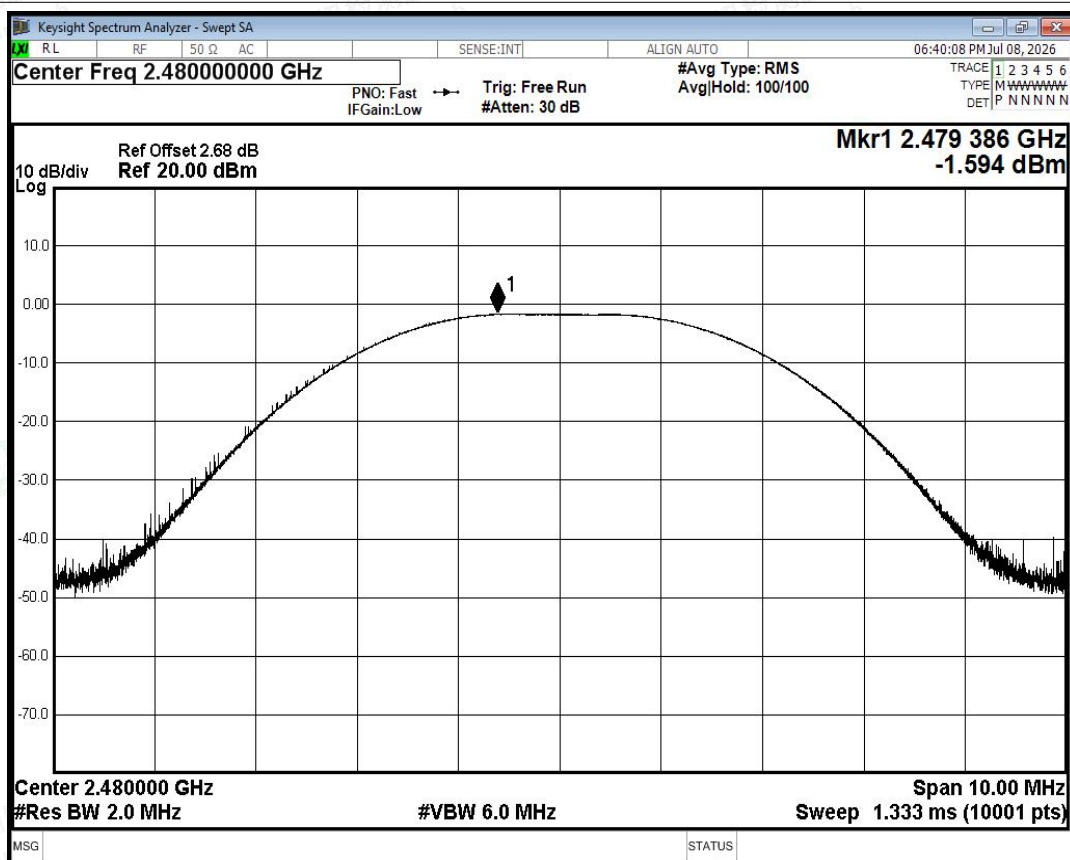
Peak Power NVNT BLE 1M 2480MHz Ant1



Peak Power NVNT BLE 2M 2402MHz Ant1



Peak Power NVNT BLE 2M 2440MHz Ant1

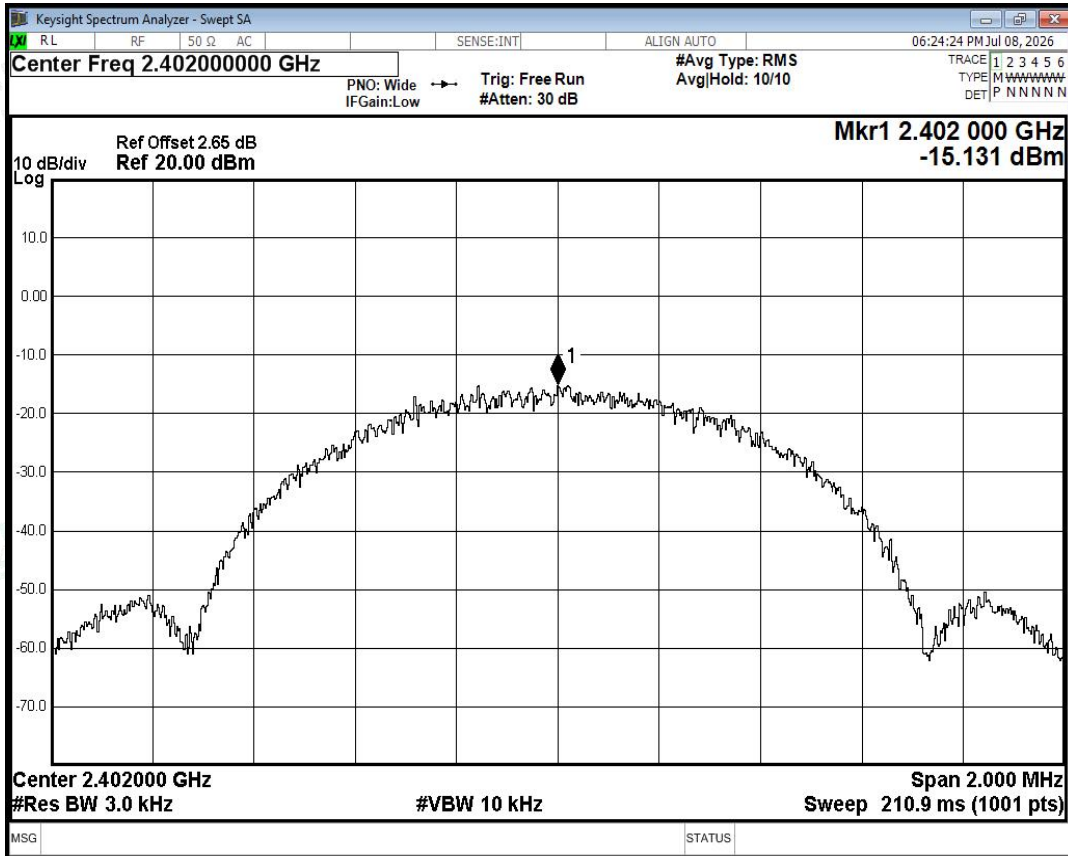


Peak Power NVNT BLE 2M 2480MHz Ant1

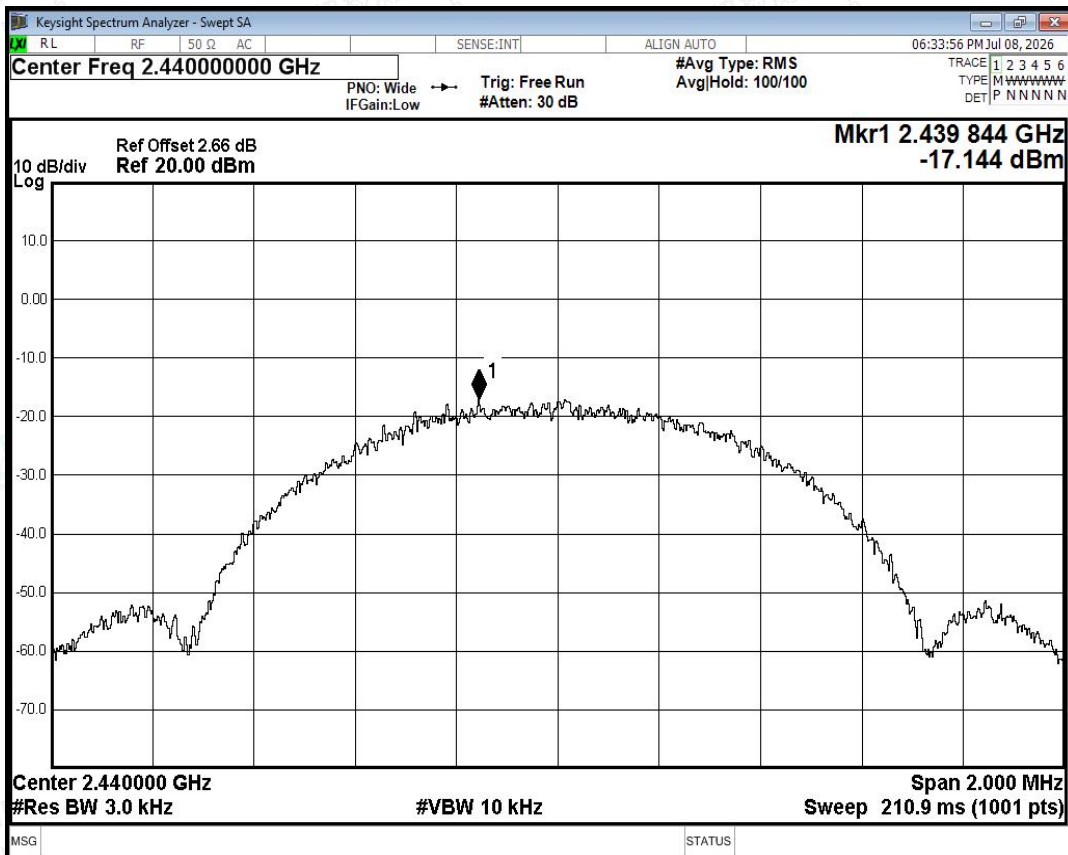


B.3 Maximum Power Spectral Density Level

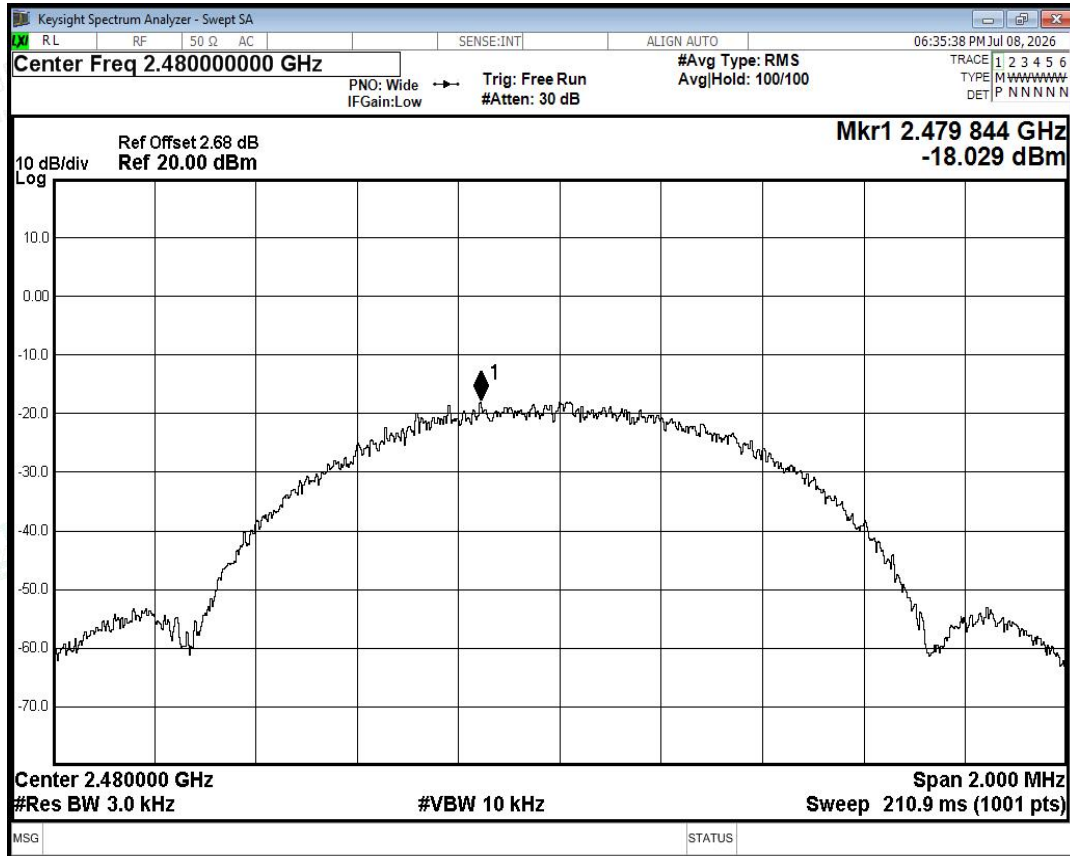
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	-15.13	8	Pass
NVNT	BLE 1M	2440	Ant1	-17.14	8	Pass
NVNT	BLE 1M	2480	Ant1	-18.03	8	Pass
NVNT	BLE 2M	2402	Ant1	-18.05	8	Pass
NVNT	BLE 2M	2440	Ant1	-20.19	8	Pass
NVNT	BLE 2M	2480	Ant1	-21.35	8	Pass



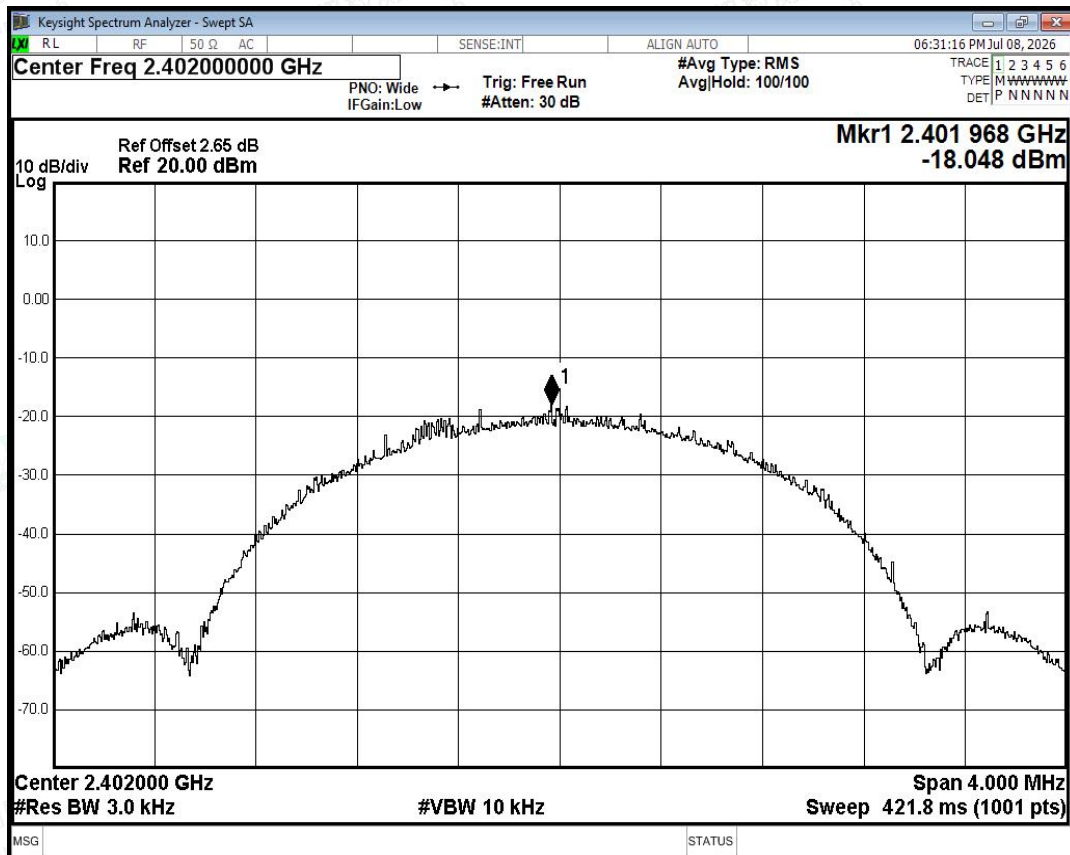
PSD NVNT BLE 1M 2402MHz Ant1



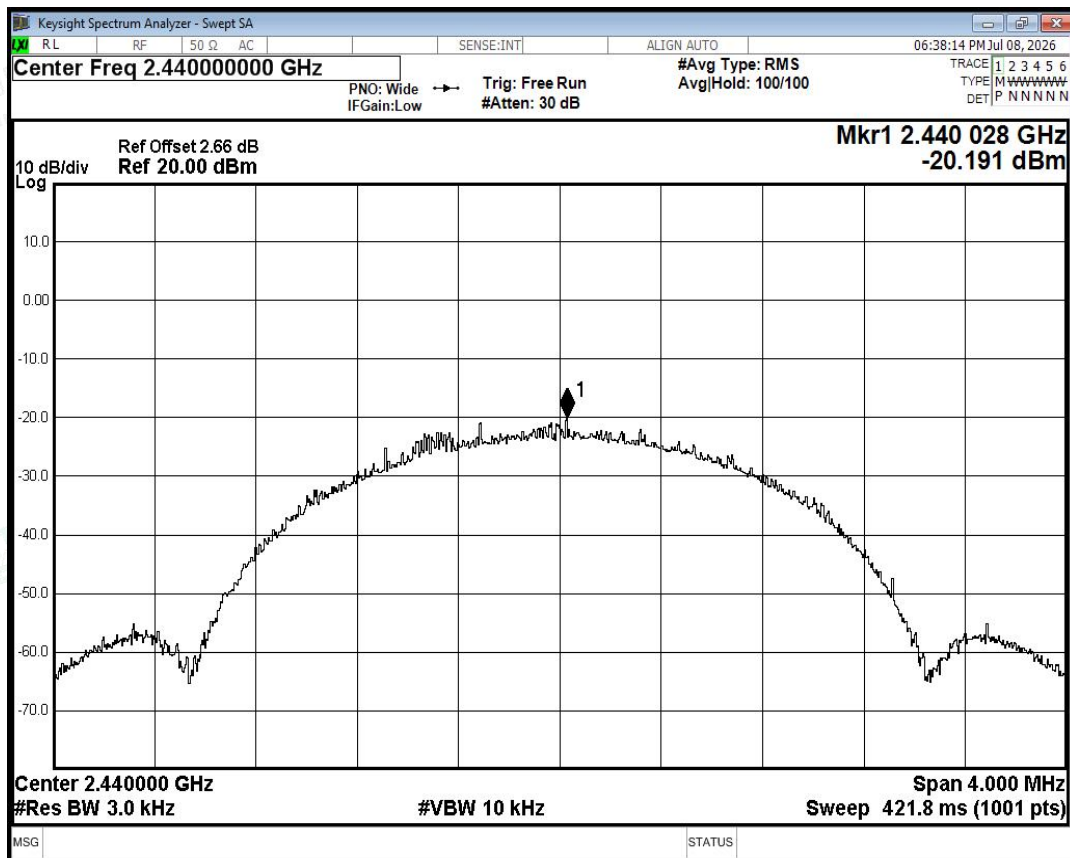
PSD NVNT BLE 1M 2440MHz Ant1



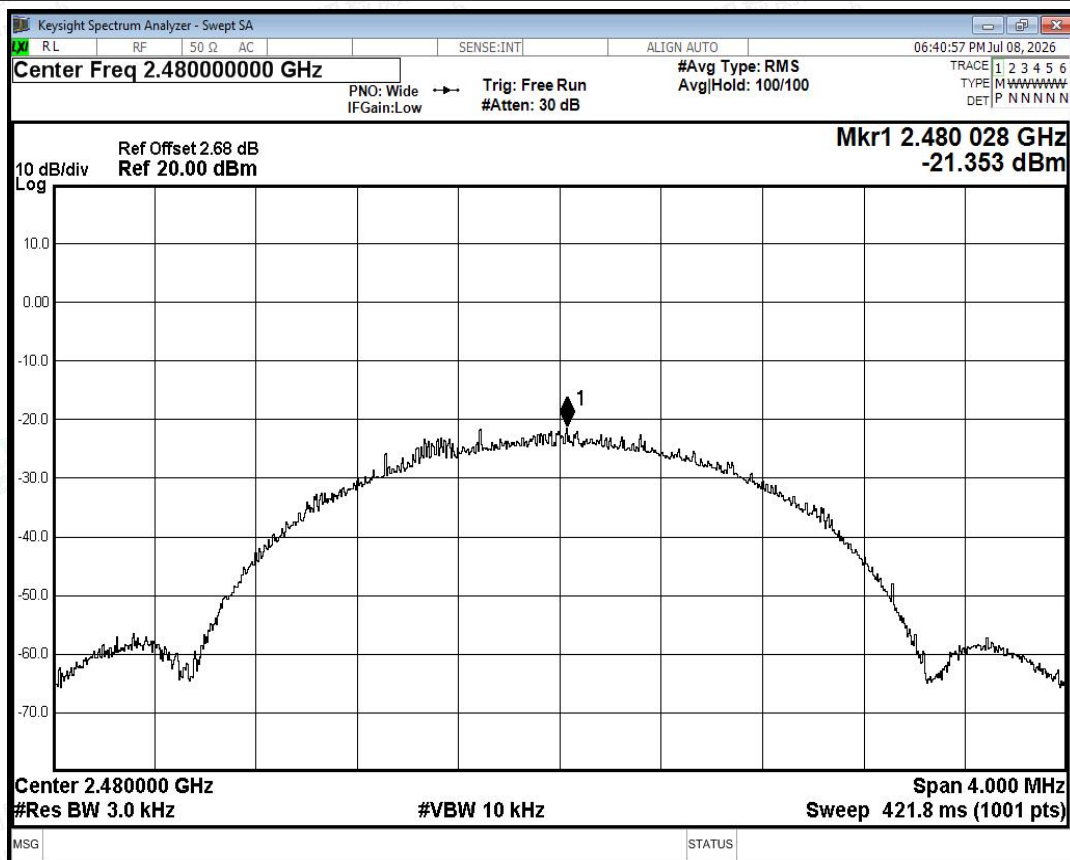
PSD NVNT BLE 1M 2480MHz Ant1



PSD NVNT BLE 2M 2402MHz Ant1



PSD NVNT BLE 2M 2440MHz Ant1

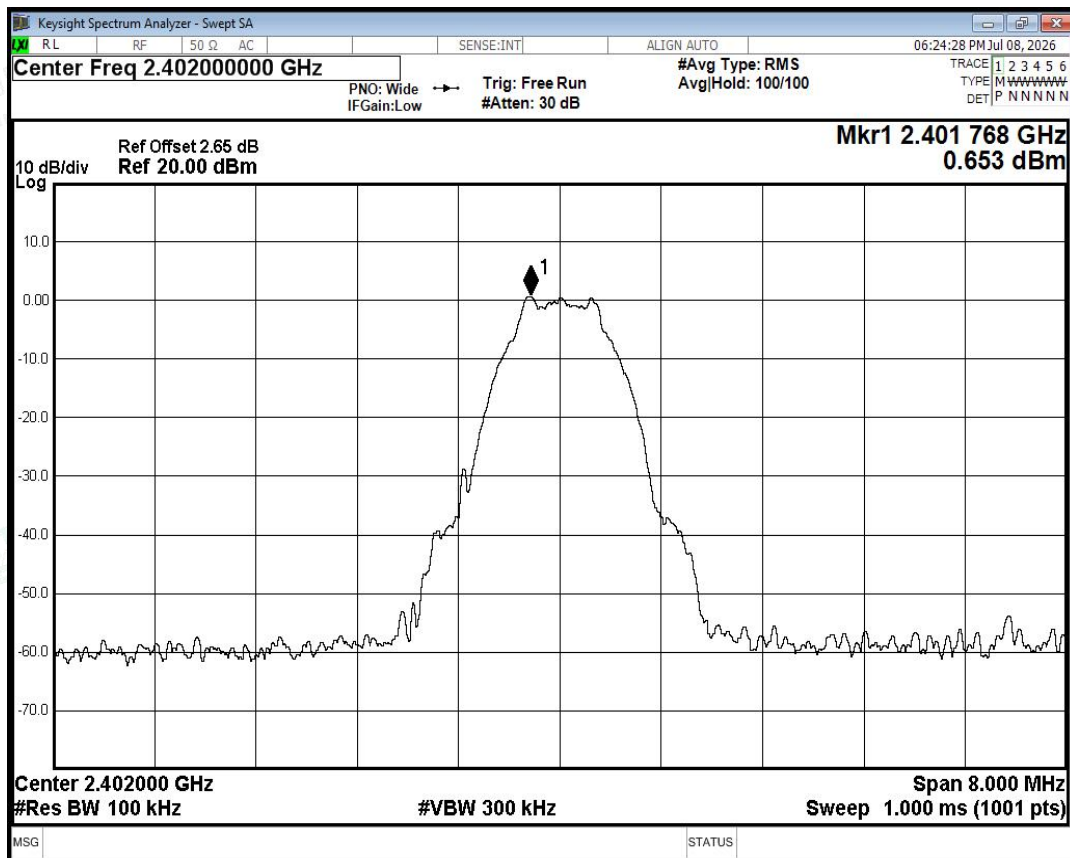


PSD NVNT BLE 2M 2480MHz Ant1

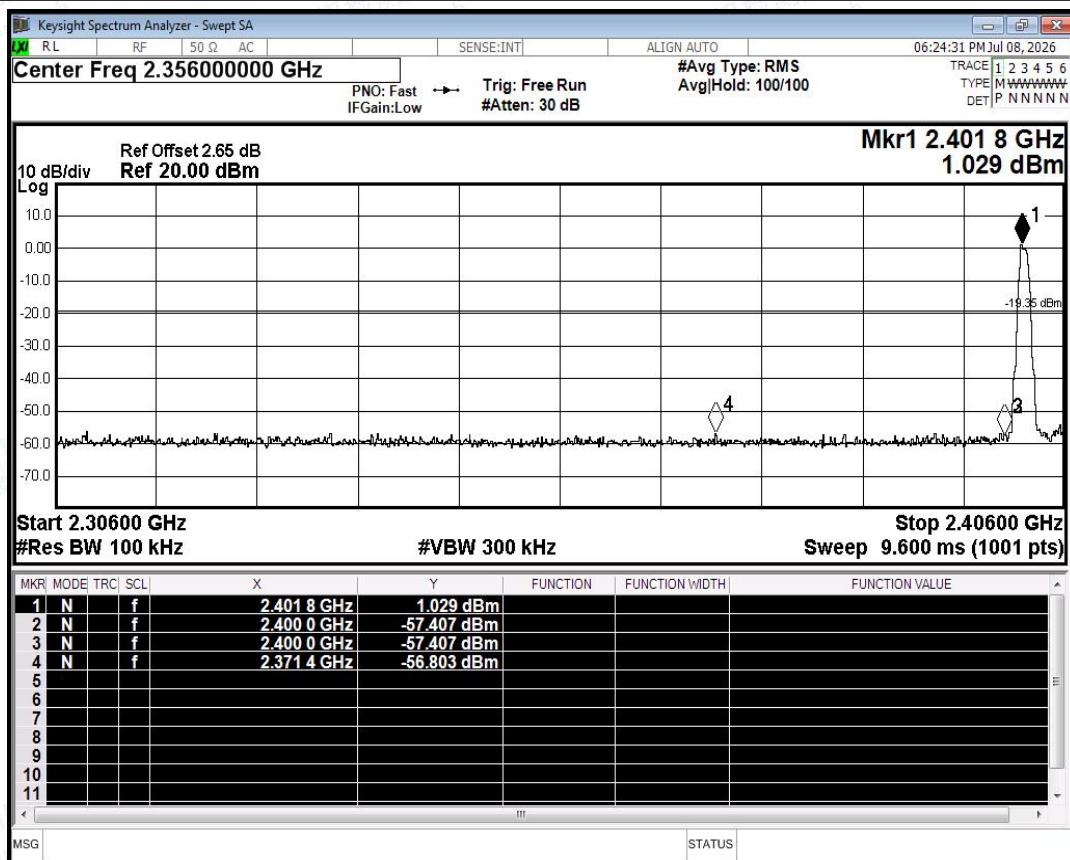


B.4 Band Edge

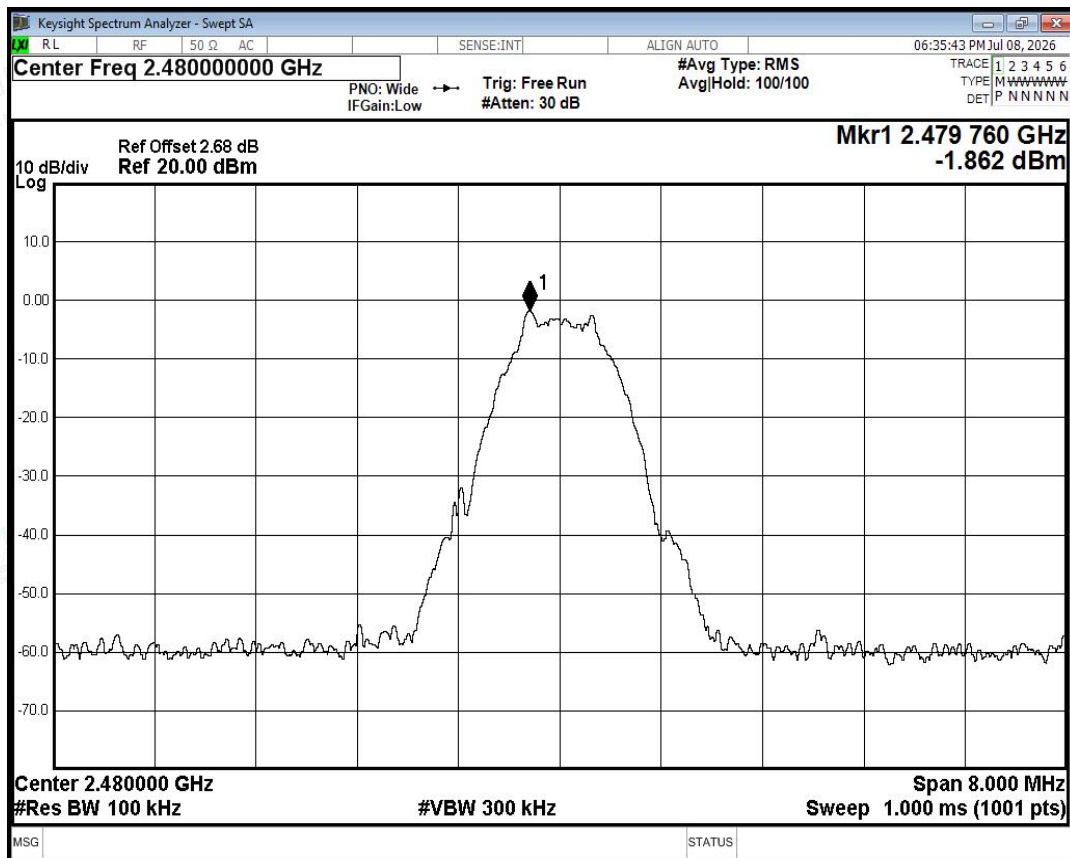
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-57.45	-20	Pass
NVNT	BLE 1M	2480	Ant1	-55.23	-20	Pass
NVNT	BLE 2M	2402	Ant1	-44.48	-20	Pass
NVNT	BLE 2M	2480	Ant1	-53.17	-20	Pass



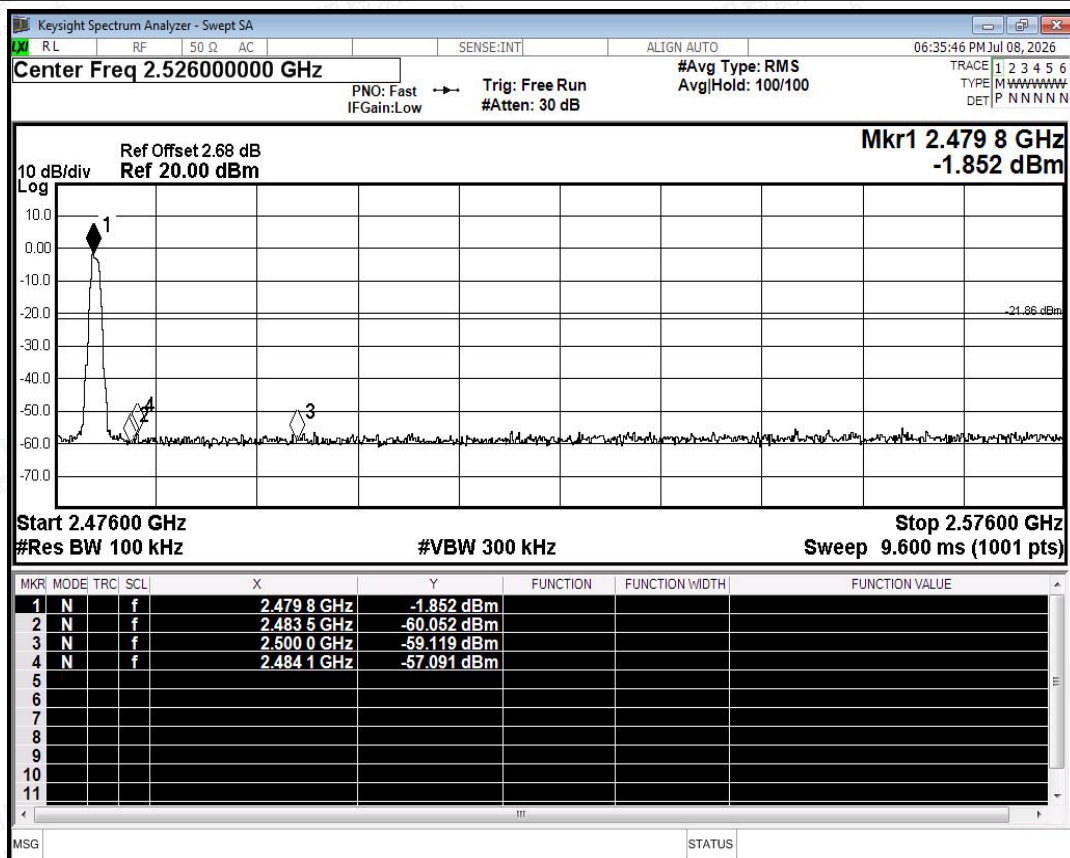
Band Edge NVNT BLE 1M 2402MHz Ant1 Ref



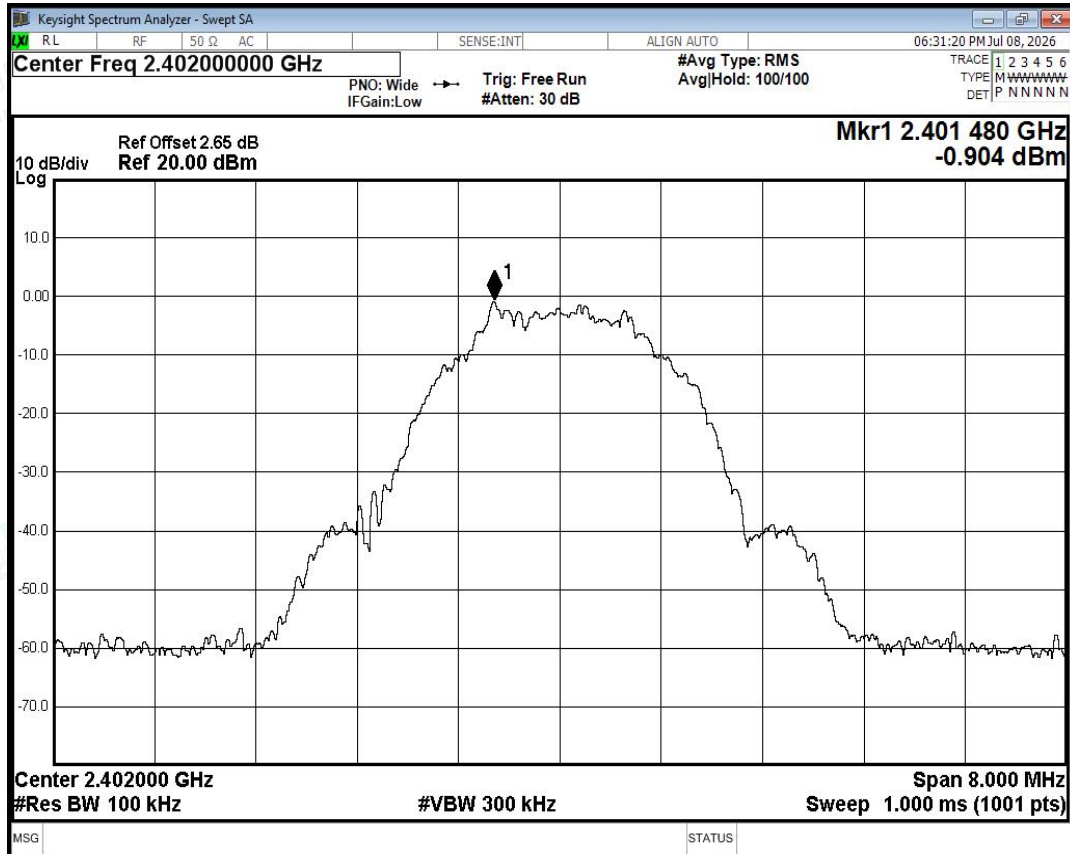
Band Edge NVNT BLE 1M 2402MHz Ant1 Emission



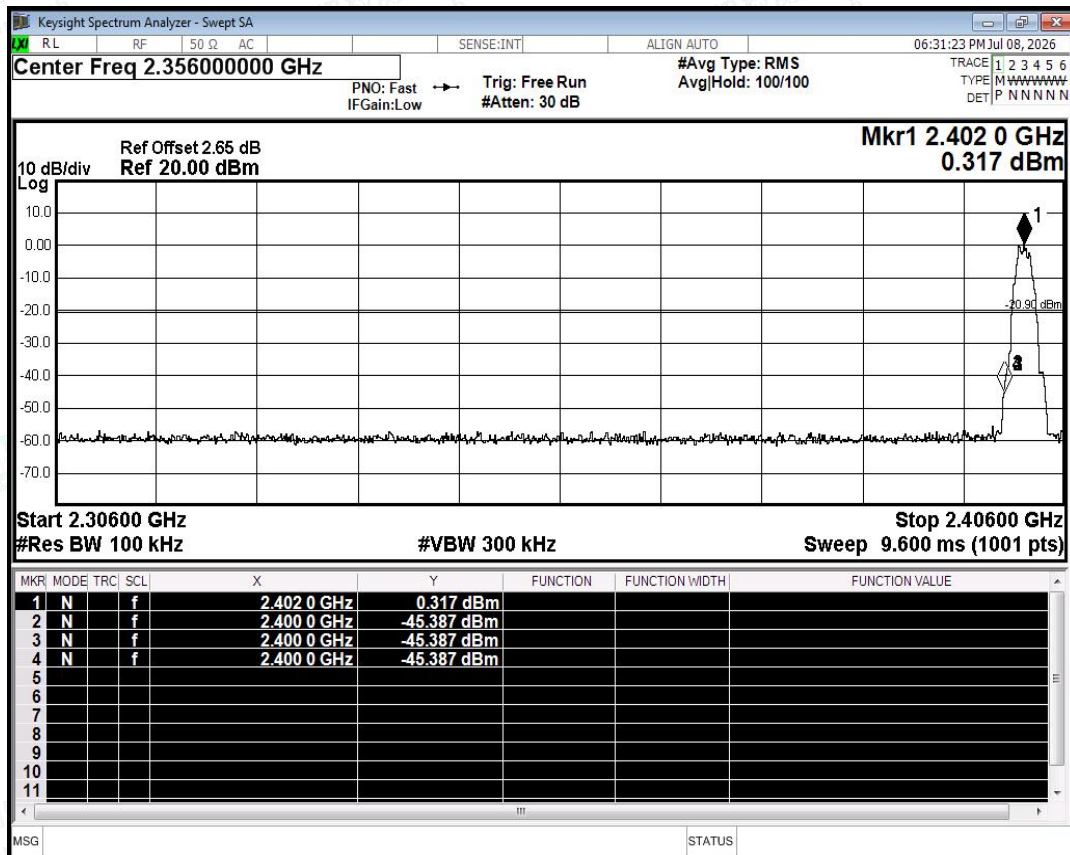
Band Edge NVNT BLE 1M 2480MHz Ant1 Ref



Band Edge NVNT BLE 1M 2480MHz Ant1 Emission



Band Edge NVNT BLE 2M 2402MHz Ant1 Ref



Band Edge NVNT BLE 2M 2402MHz Ant1 Emission