

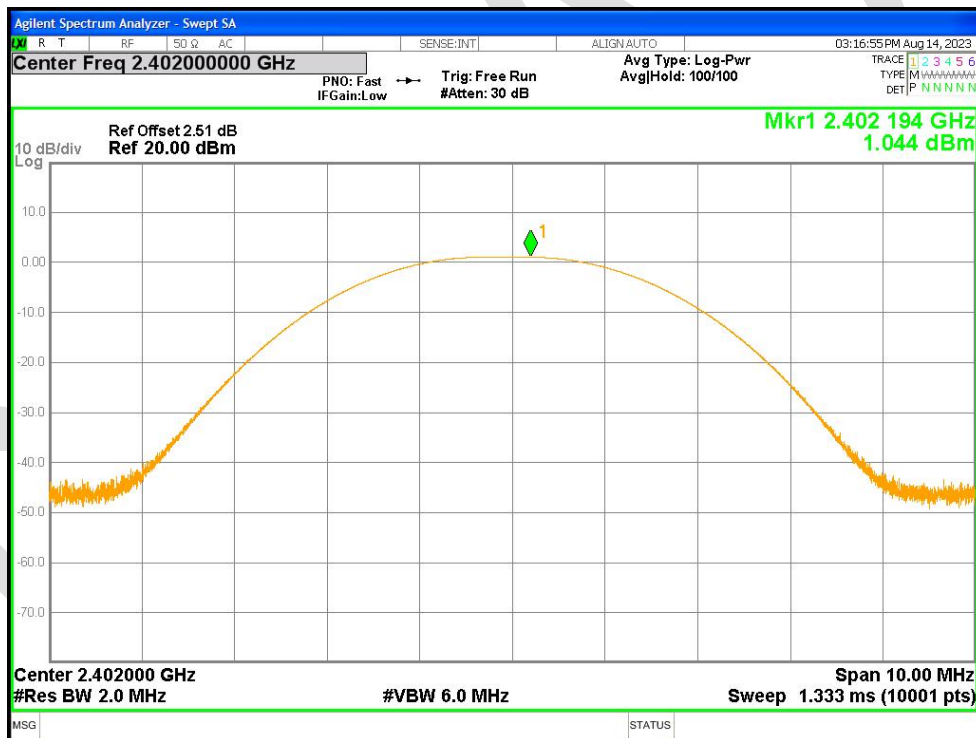
20 APPENDIX

Appendix1

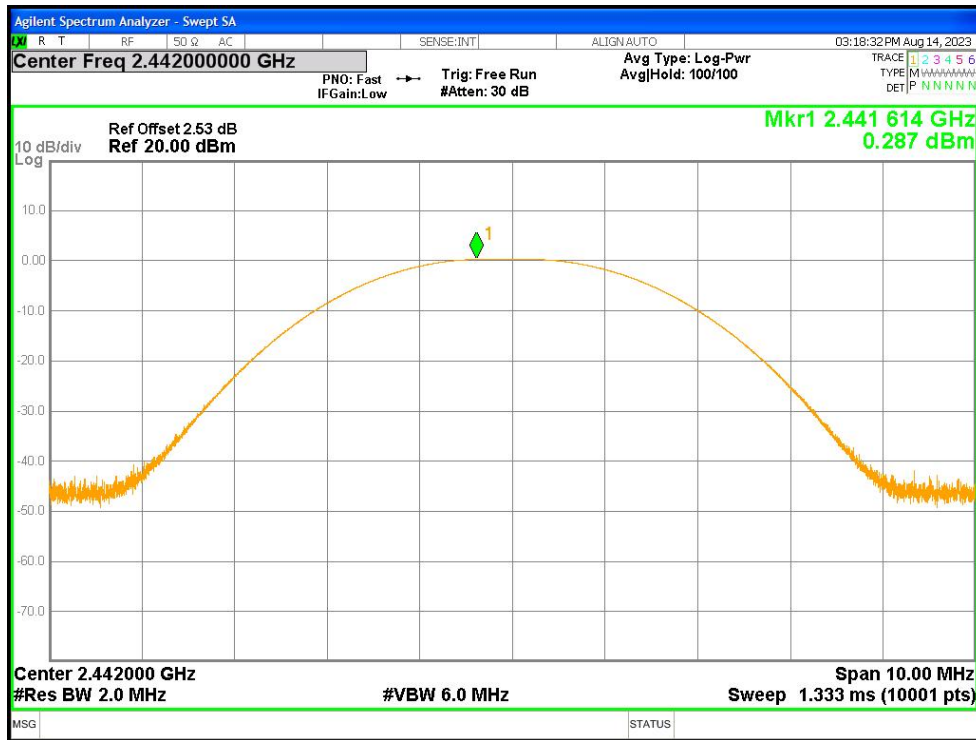
20.1 MAXIMUM CONDUCTED OUTPUT POWER

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	1.044	1.044	30	Pass
NVNT	BLE 1M	2442	Ant1	0.287	0.287	30	Pass
NVNT	BLE 1M	2480	Ant1	-0.391	-0.391	30	Pass
NVNT	BLE 2M	2402	Ant1	1.026	1.026	30	Pass
NVNT	BLE 2M	2442	Ant1	0.304	0.304	30	Pass
NVNT	BLE 2M	2480	Ant1	-0.495	-0.495	30	Pass

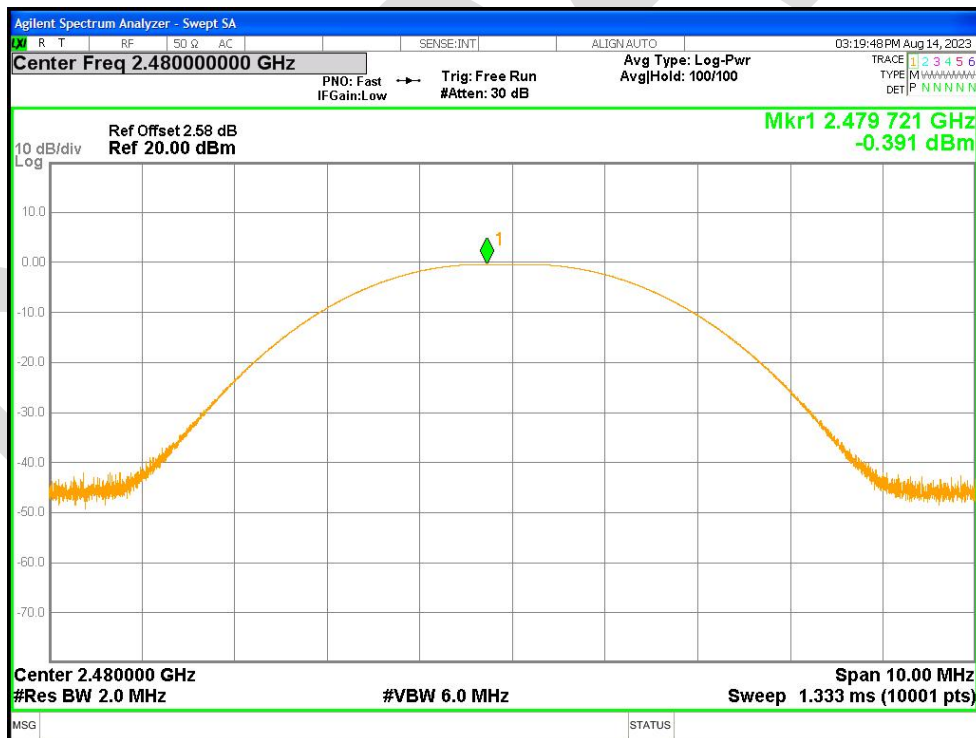
Power NVNT BLE 1M 2402MHz Ant1



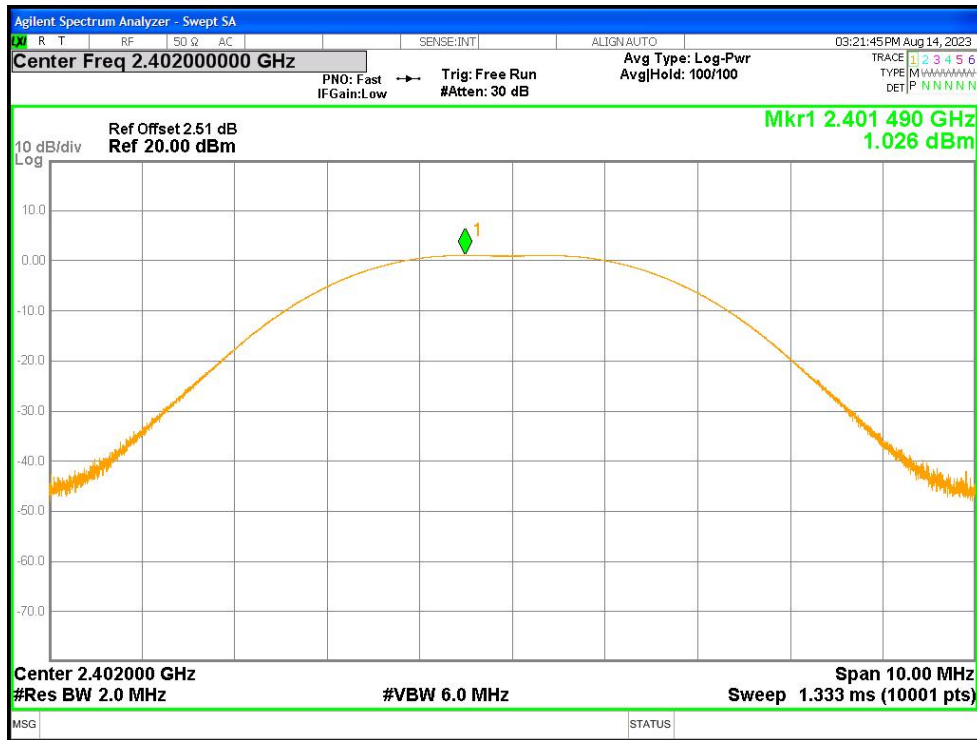
Power NVNT BLE 1M 2442MHz Ant1



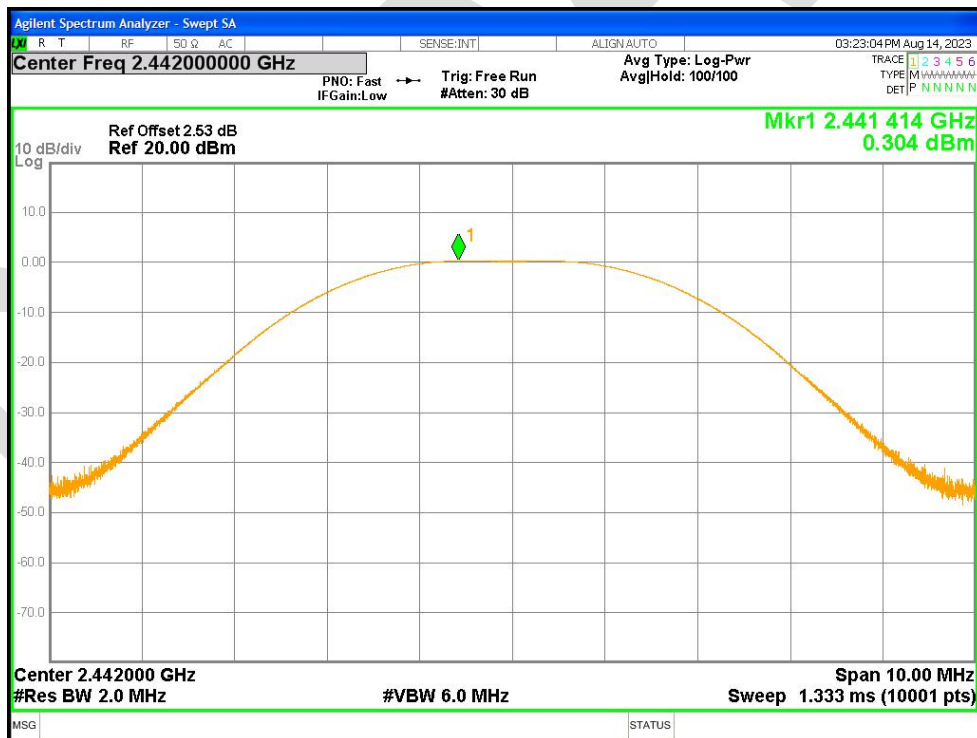
Power NVNT BLE 1M 2480MHz Ant1



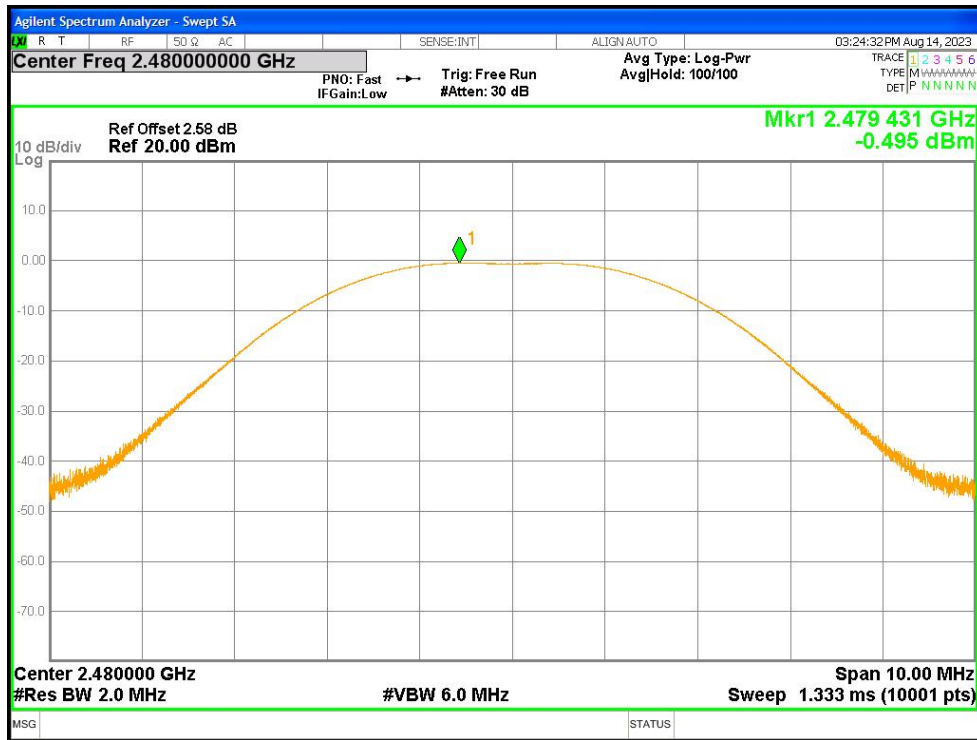
Power NVNT BLE 2M 2402MHz Ant1



Power NVNT BLE 2M 2442MHz Ant1



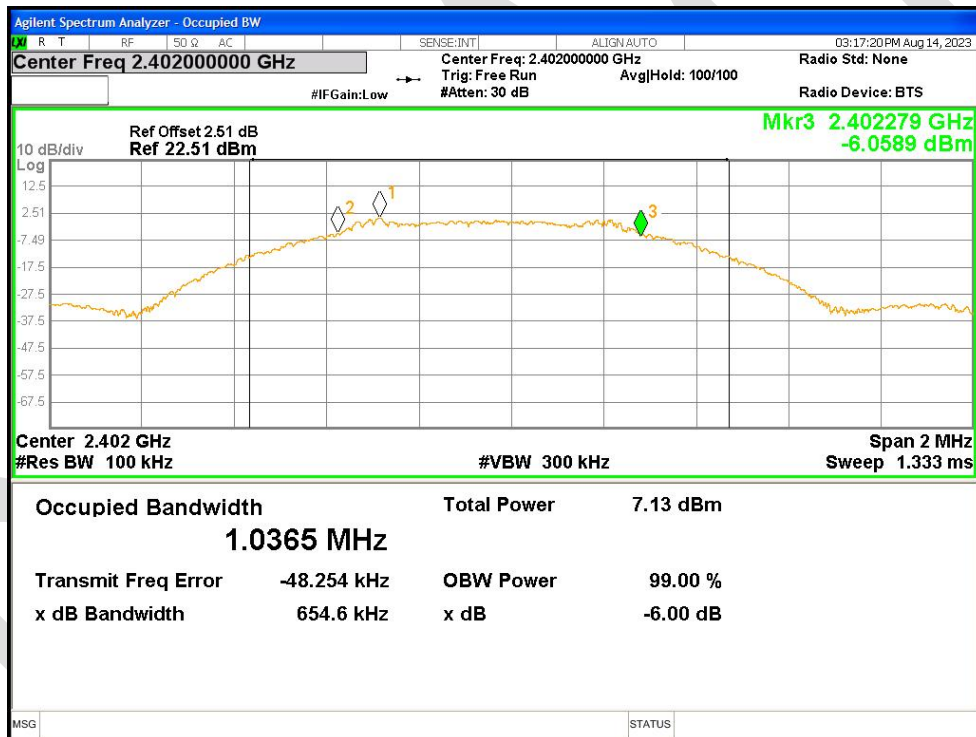
Power NVNT BLE 2M 2480MHz Ant1



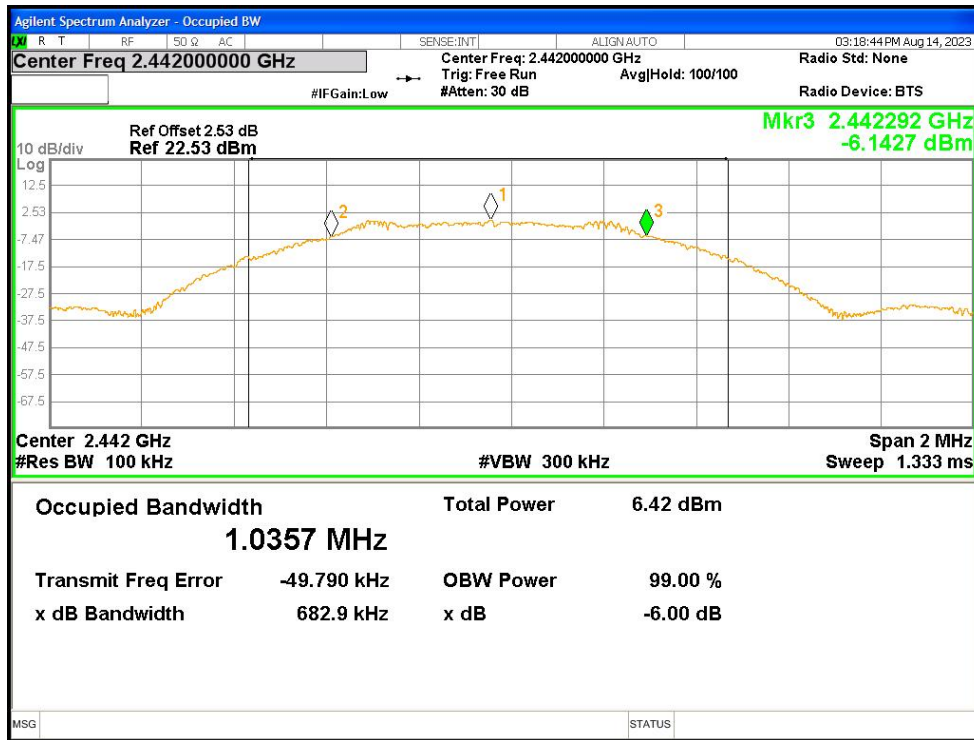
20.2 -6DB BANDWIDTH

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.655	0.5	Pass
NVNT	BLE 1M	2442	Ant1	0.683	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.711	0.5	Pass
NVNT	BLE 2M	2402	Ant1	1.241	0.5	Pass
NVNT	BLE 2M	2442	Ant1	1.315	0.5	Pass
NVNT	BLE 2M	2480	Ant1	1.359	0.5	Pass

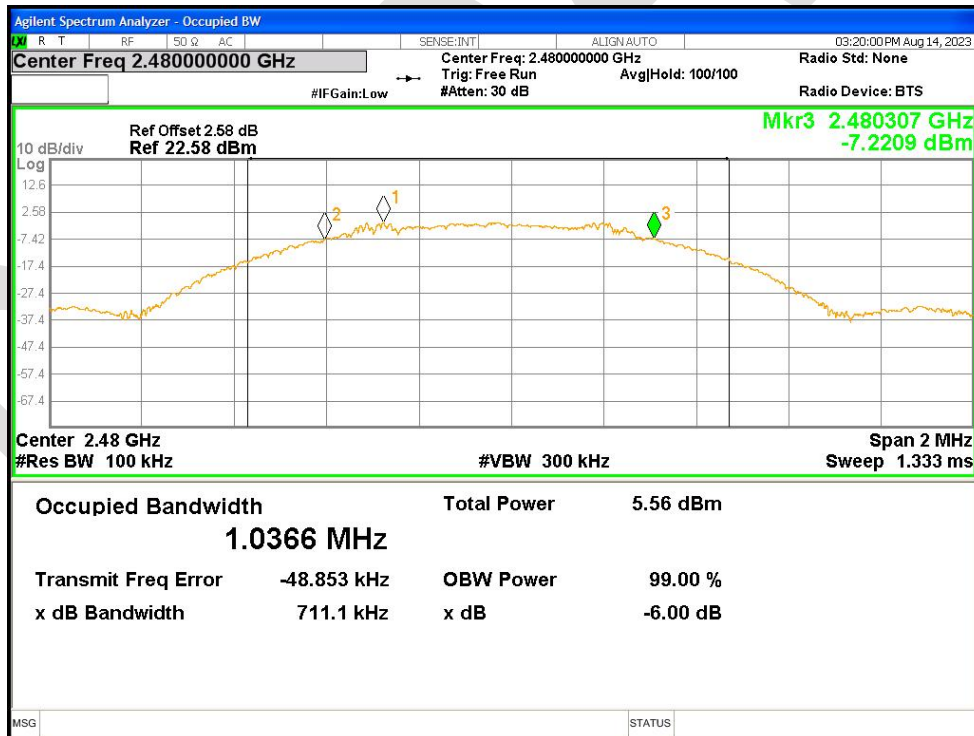
-6dB Bandwidth NVNT BLE 1M 2402MHz Ant1



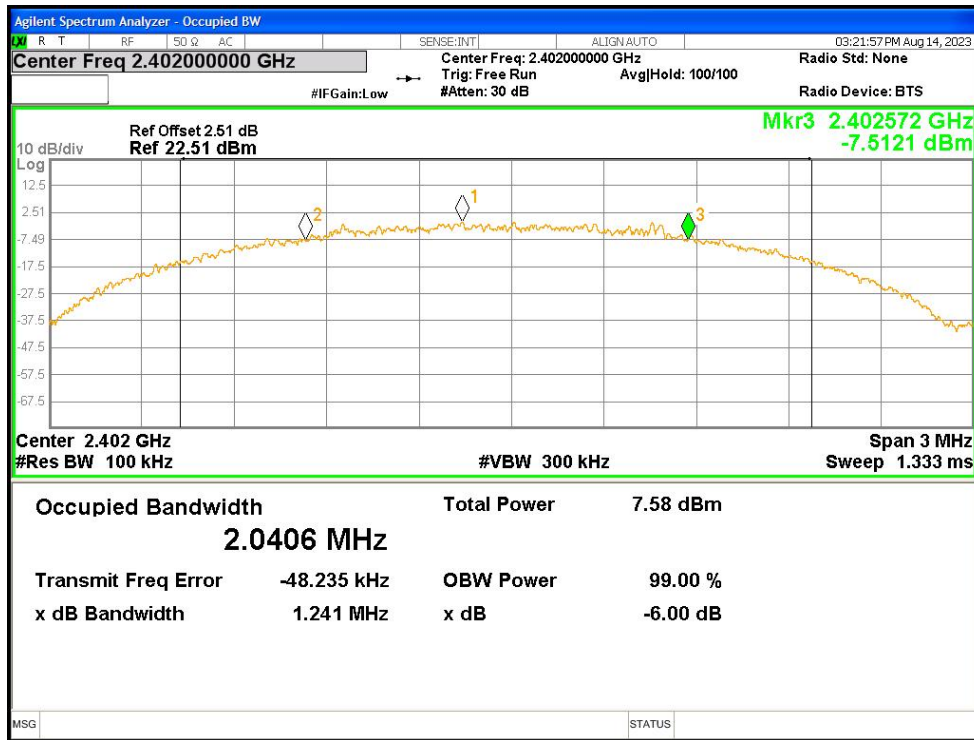
-6dB Bandwidth NVNT BLE 1M 2442MHz Ant1



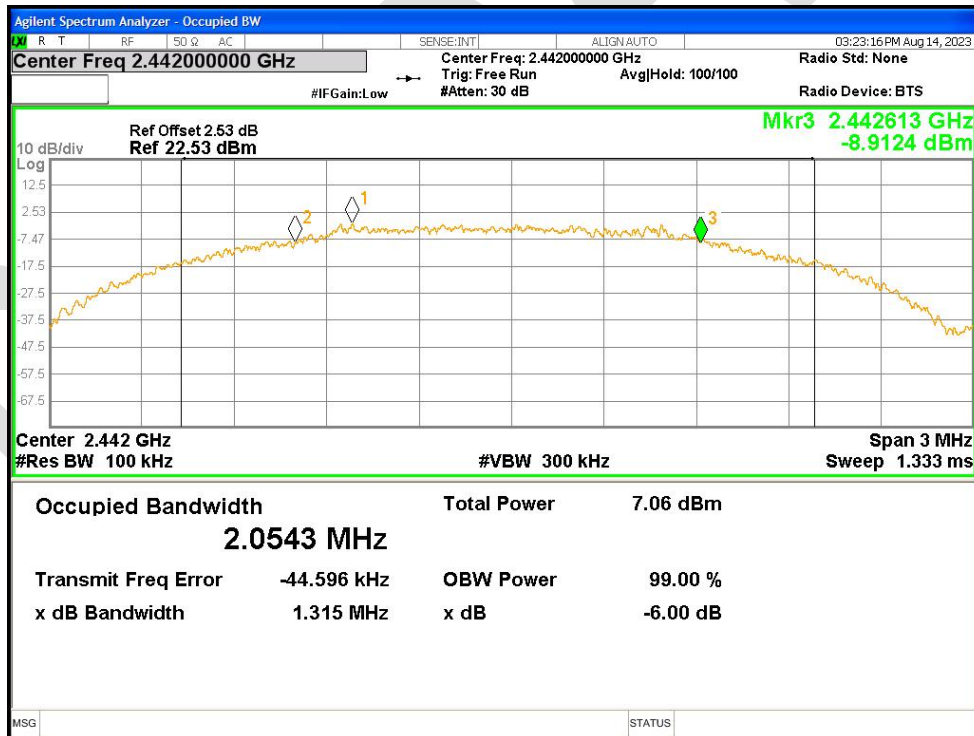
-6dB Bandwidth NVNT BLE 1M 2480MHz Ant1



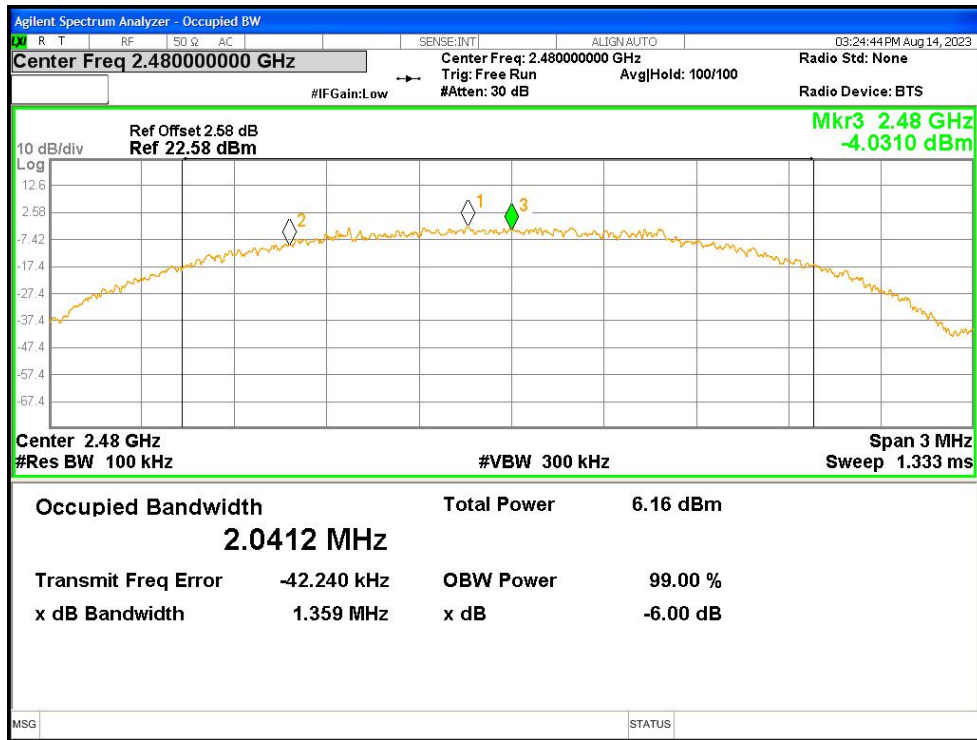
-6dB Bandwidth NVNT BLE 2M 2402MHz Ant1



-6dB Bandwidth NVNT BLE 2M 2442MHz Ant1



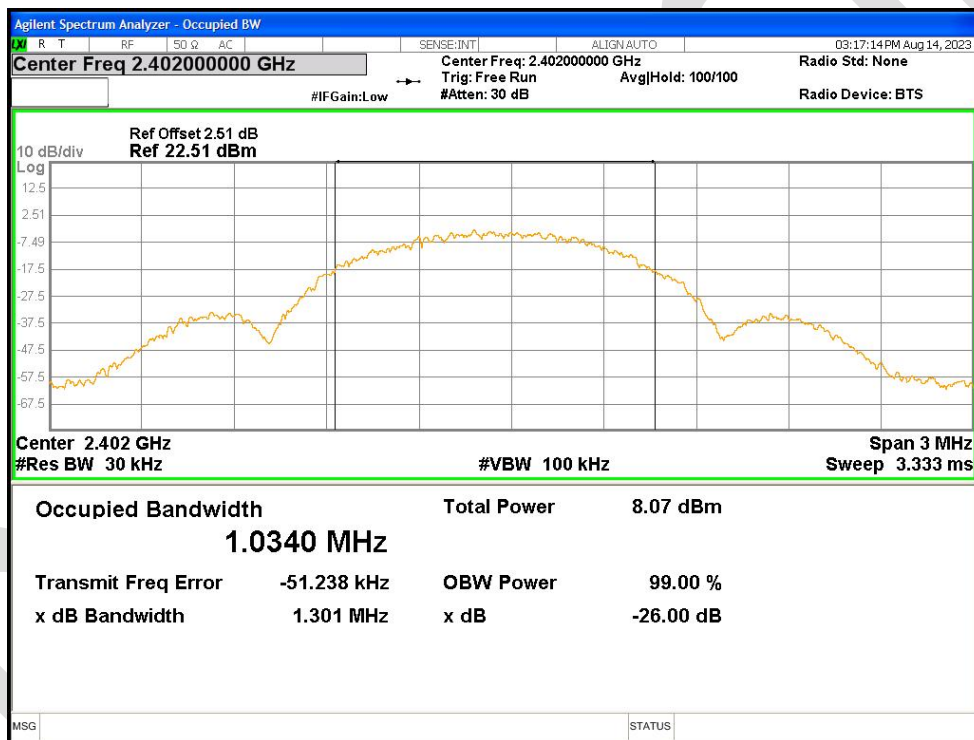
-6dB Bandwidth NVNT BLE 2M 2480MHz Ant1



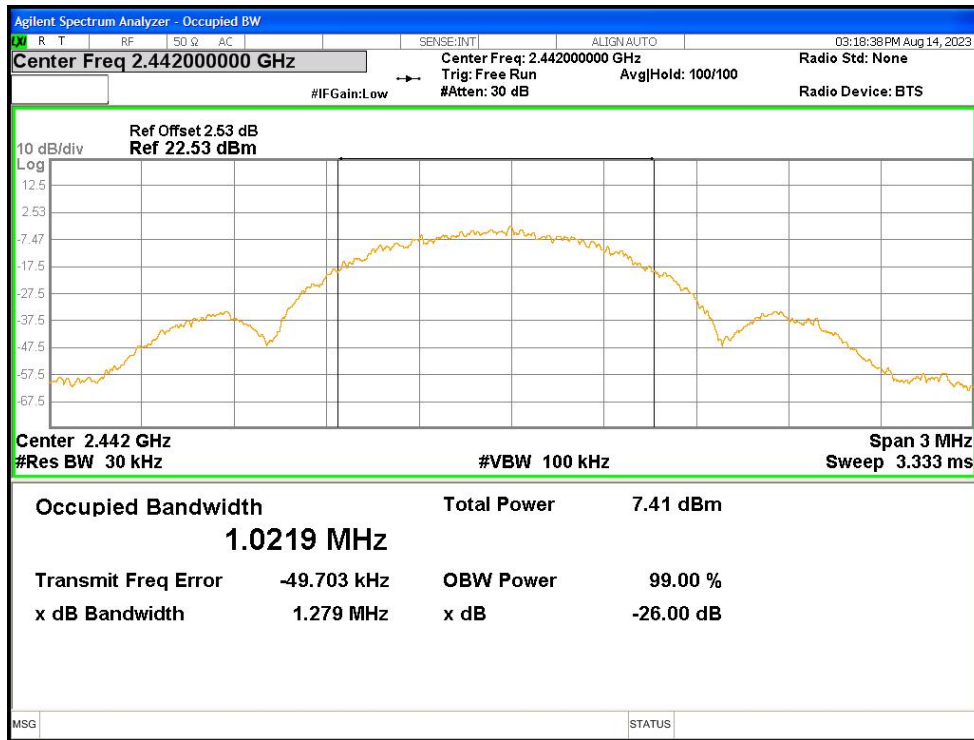
20.3 OCCUPIED CHANNEL BANDWIDTH

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.0340
NVNT	BLE 1M	2442	Ant1	1.0219
NVNT	BLE 1M	2480	Ant1	1.0204
NVNT	BLE 2M	2402	Ant1	2.0397
NVNT	BLE 2M	2442	Ant1	2.0205
NVNT	BLE 2M	2480	Ant1	2.0663

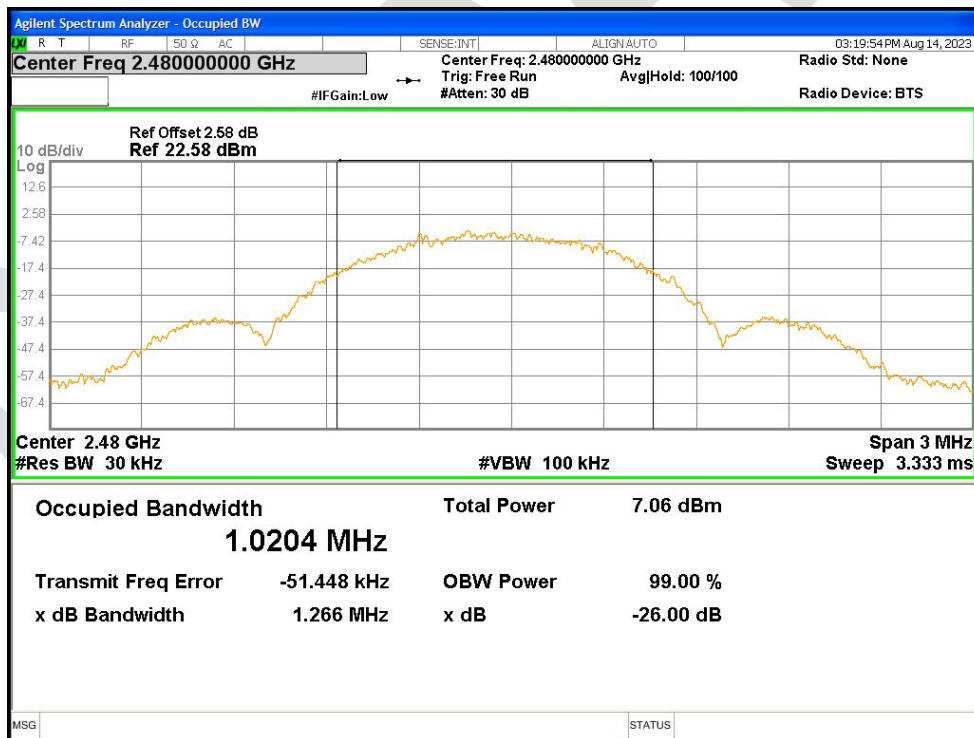
OBW NVNT BLE 1M 2402MHz Ant1



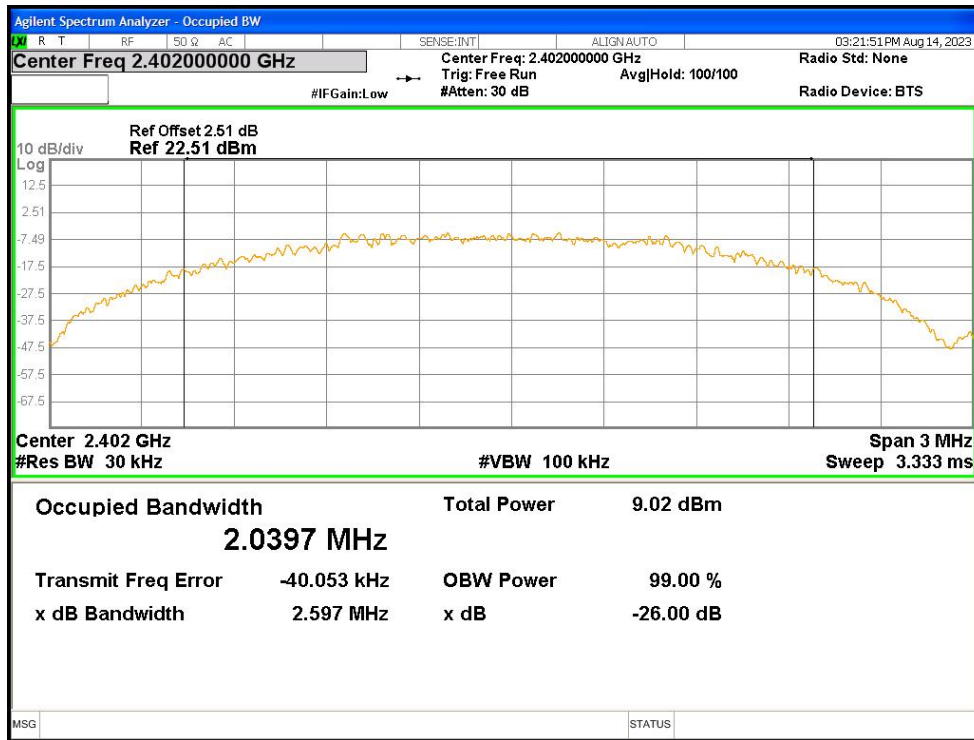
OBW NVNT BLE 1M 2442MHz Ant1



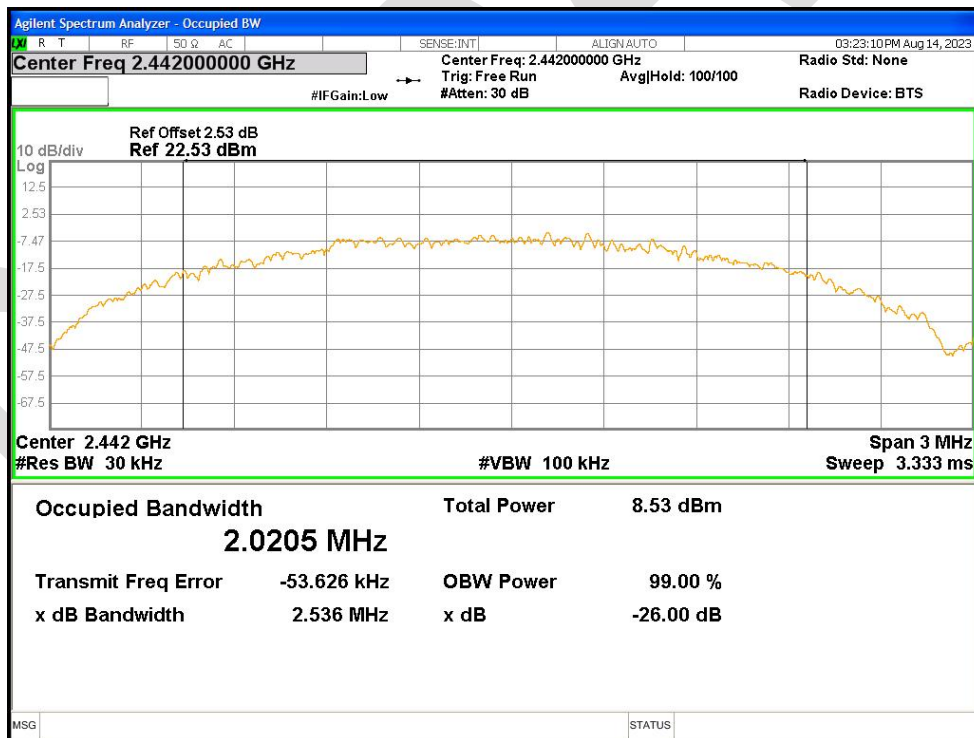
OBW NVNT BLE 1M 2480MHz Ant1



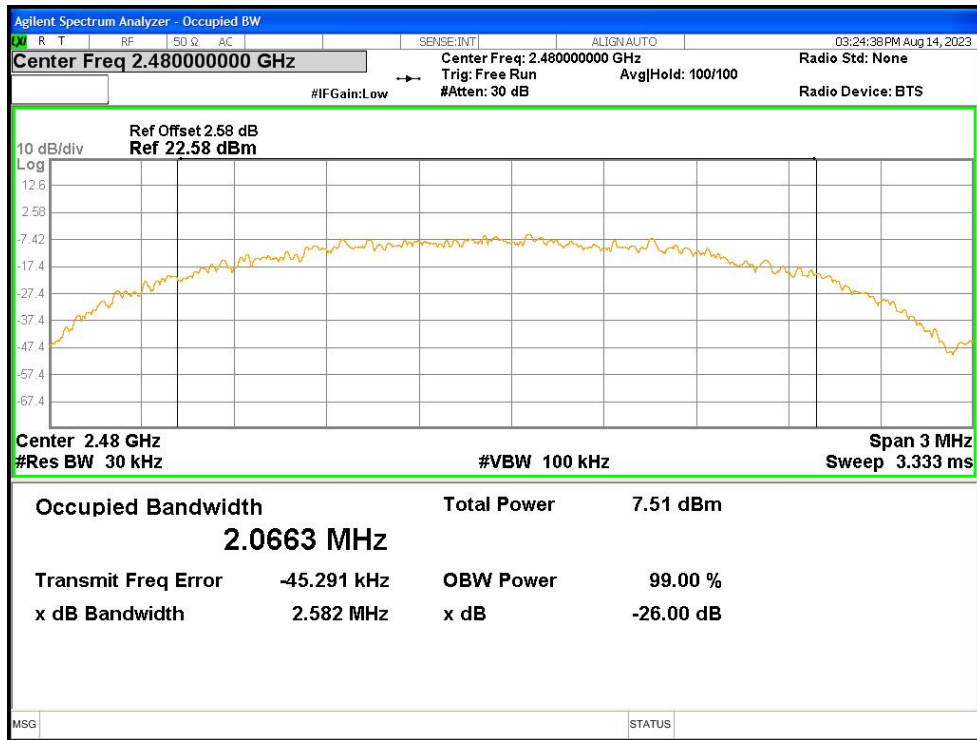
OBW NVNT BLE 2M 2402MHz Ant1



OBW NVNT BLE 2M 2442MHz Ant1



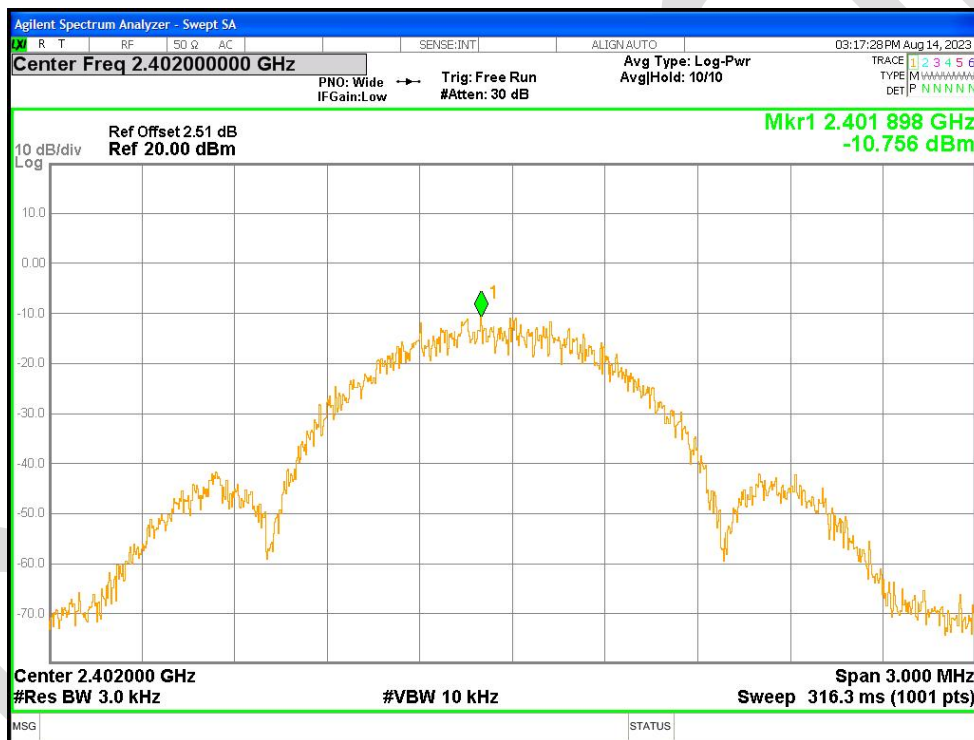
OBW NVNT BLE 2M 2480MHz Ant1



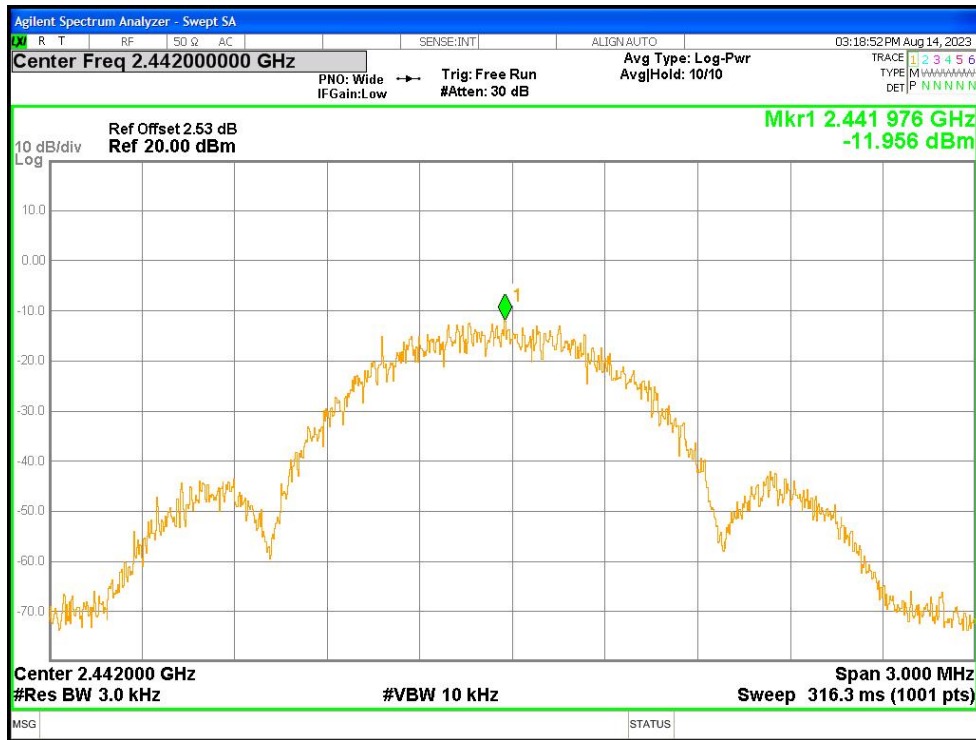
20.4 MAXIMUM POWER SPECTRAL DENSITY LEVEL

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	-10.756	8	Pass
NVNT	BLE 1M	2442	Ant1	-11.956	8	Pass
NVNT	BLE 1M	2480	Ant1	-11.491	8	Pass
NVNT	BLE 2M	2402	Ant1	-11.977	8	Pass
NVNT	BLE 2M	2442	Ant1	-12.944	8	Pass
NVNT	BLE 2M	2480	Ant1	-13.927	8	Pass

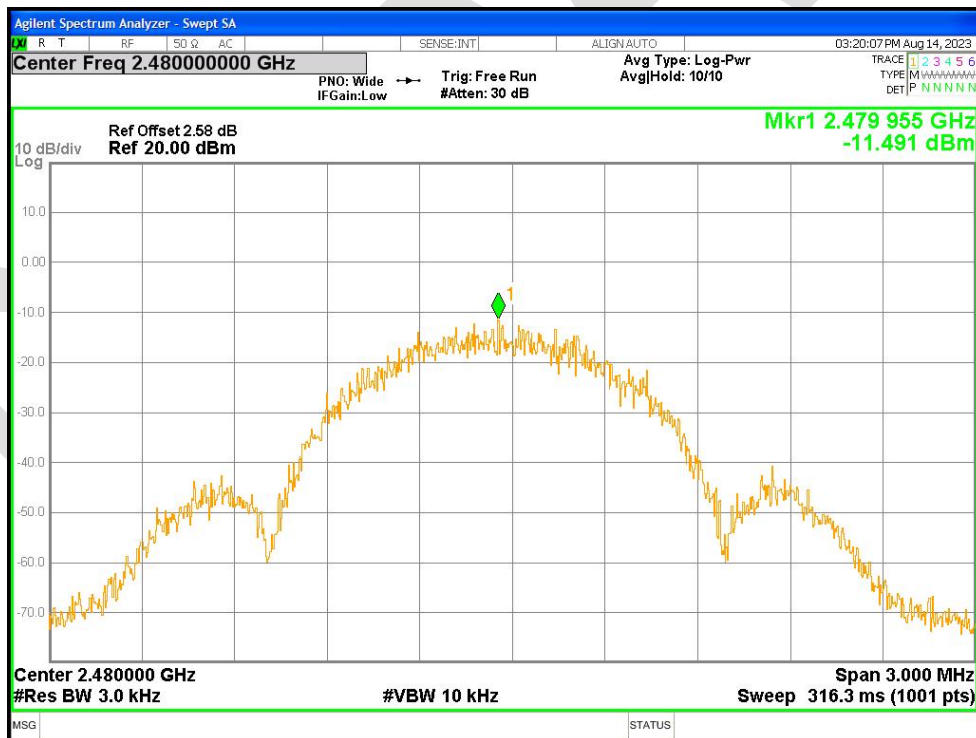
PSD NVNT BLE 1M 2402MHz Ant1



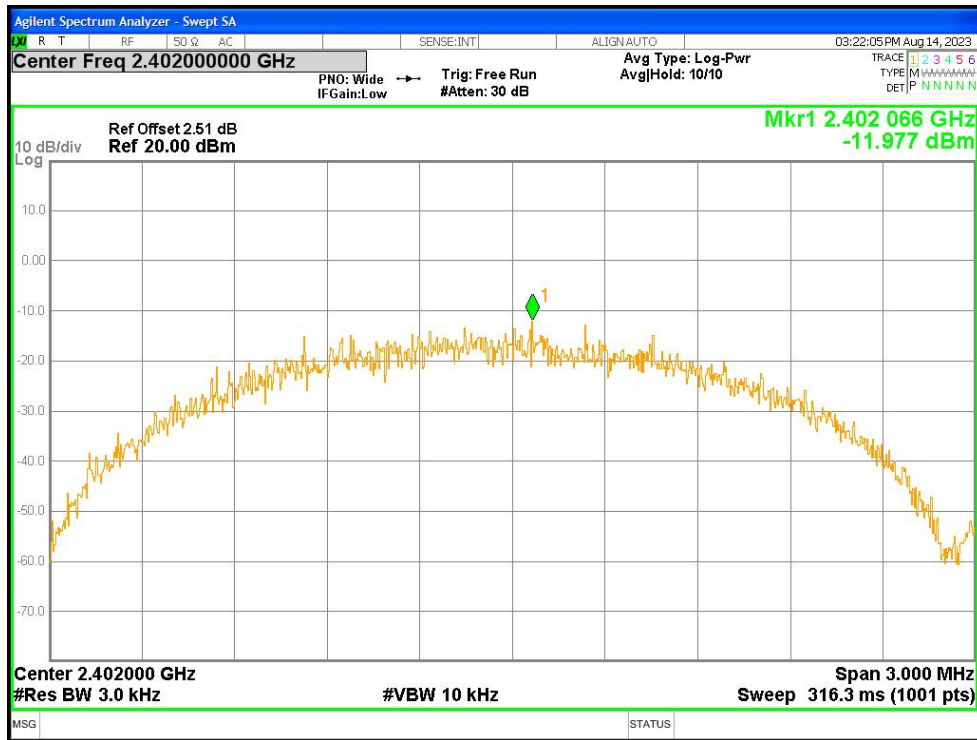
PSD NVNT BLE 1M 2442MHz Ant1



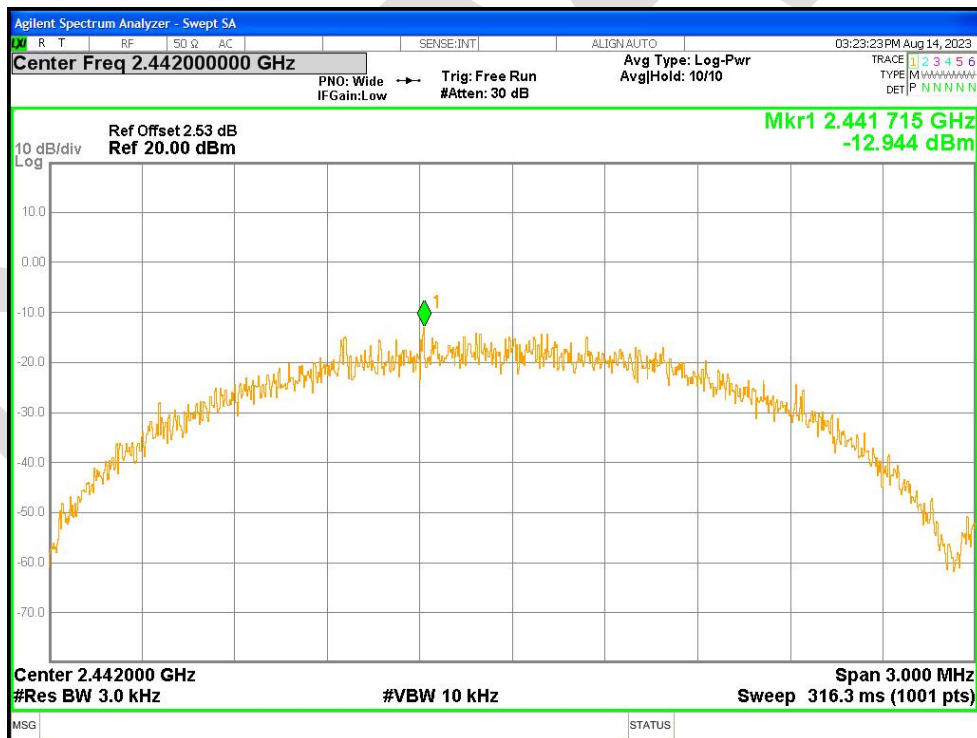
PSD NVNT BLE 1M 2480MHz Ant1



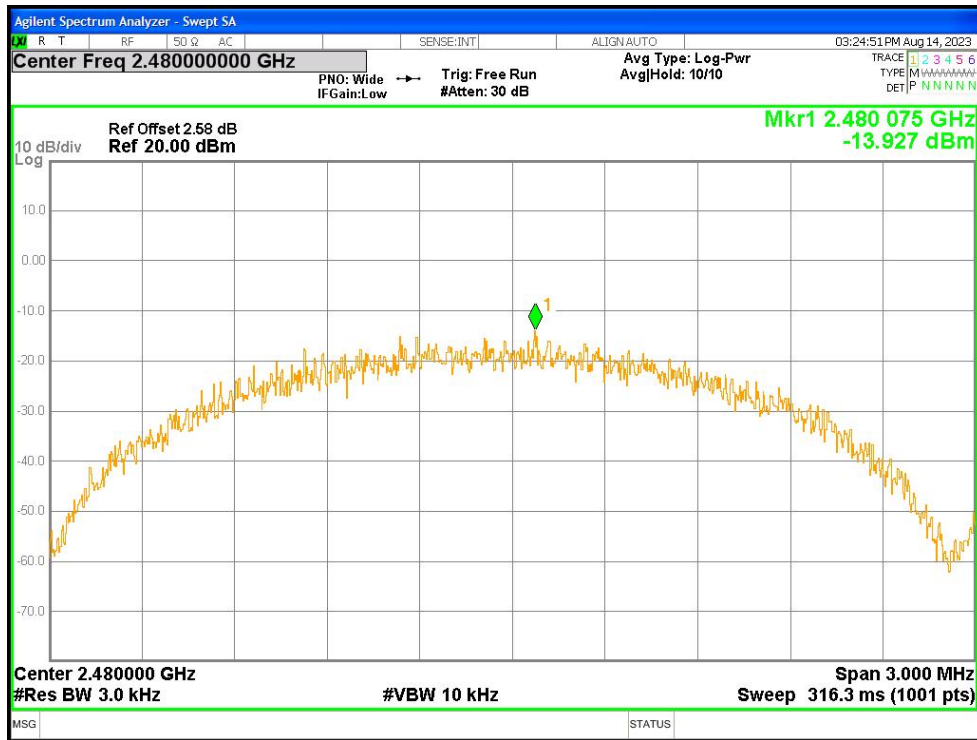
PSD NVNT BLE 2M 2402MHz Ant1



PSD NVNT BLE 2M 2442MHz Ant1



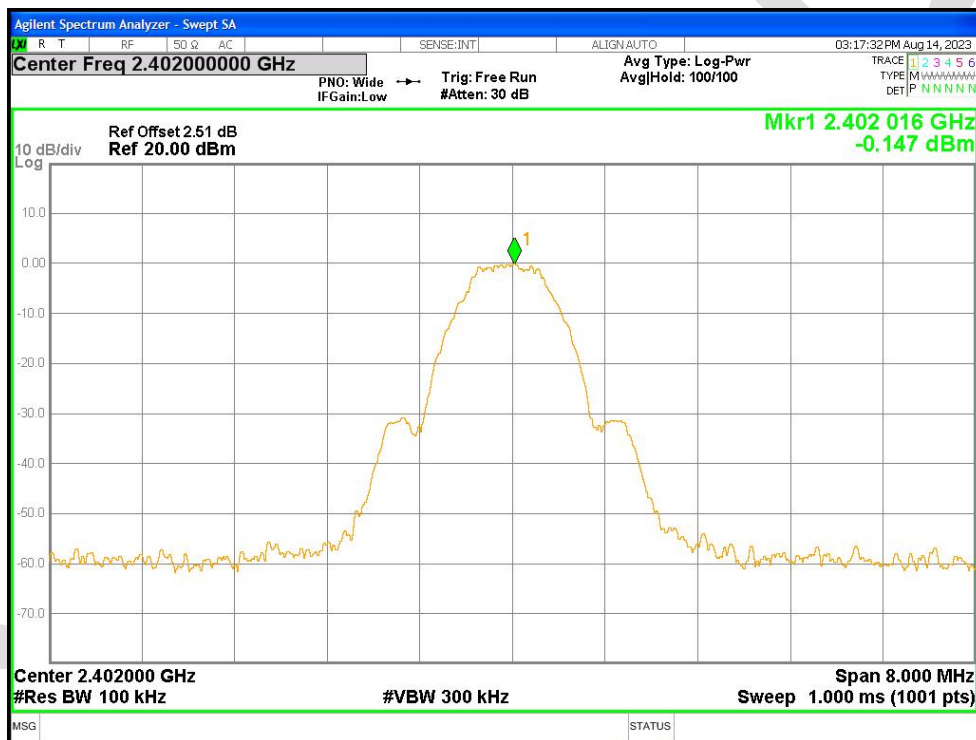
PSD NVNT BLE 2M 2480MHz Ant1



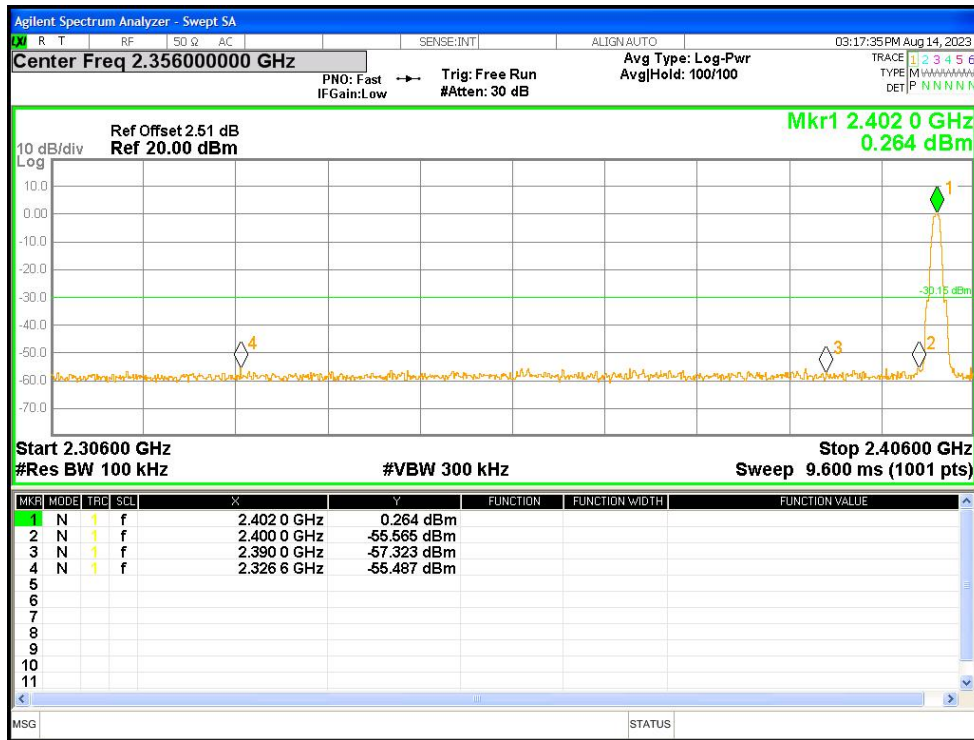
20.5 BAND EDGE

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-55.33	-30	Pass
NVNT	BLE 1M	2480	Ant1	-53.57	-30	Pass
NVNT	BLE 2M	2402	Ant1	-54.48	-30	Pass
NVNT	BLE 2M	2480	Ant1	-52.92	-30	Pass

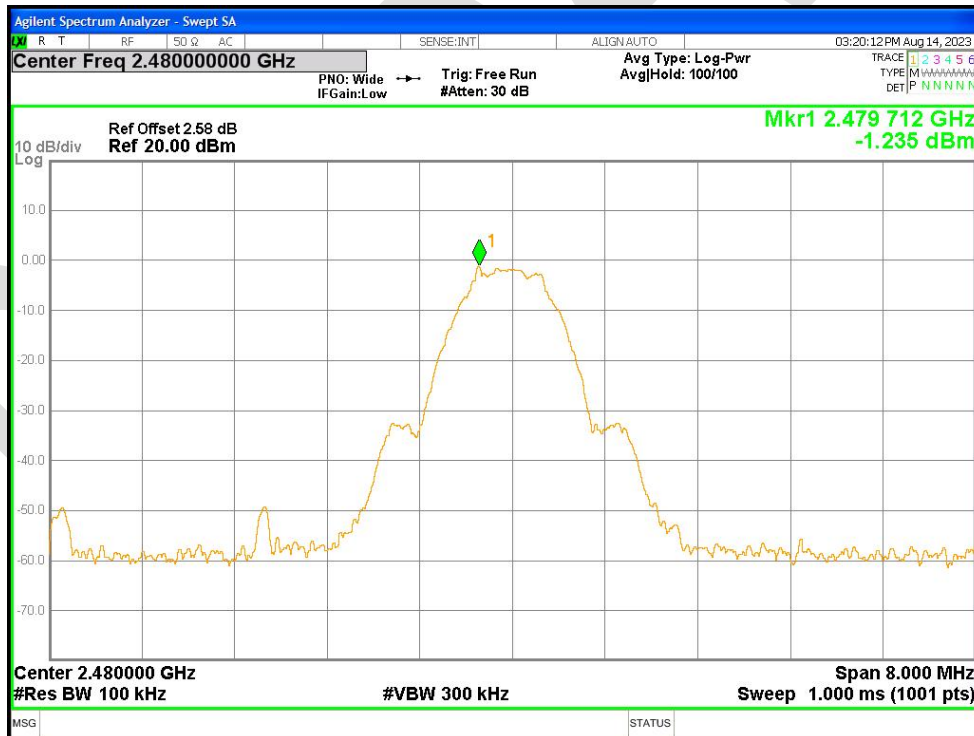
Band Edge NVNT BLE 1M 2402MHz Ant1 Ref



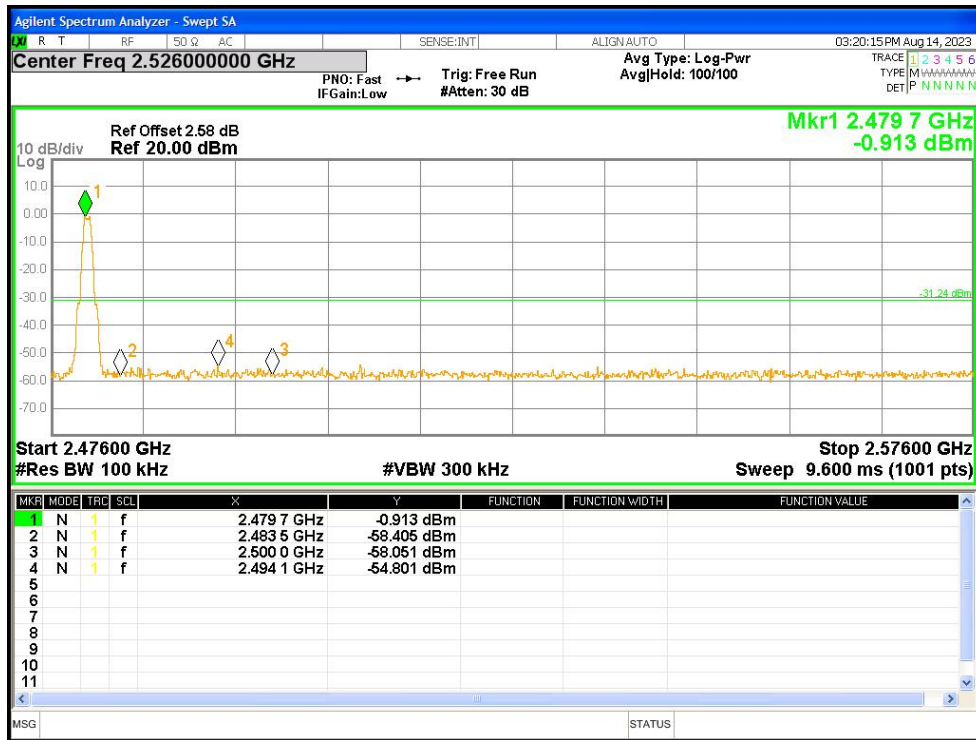
Band Edge NVNT BLE 1M 2402MHz Ant1 Emission



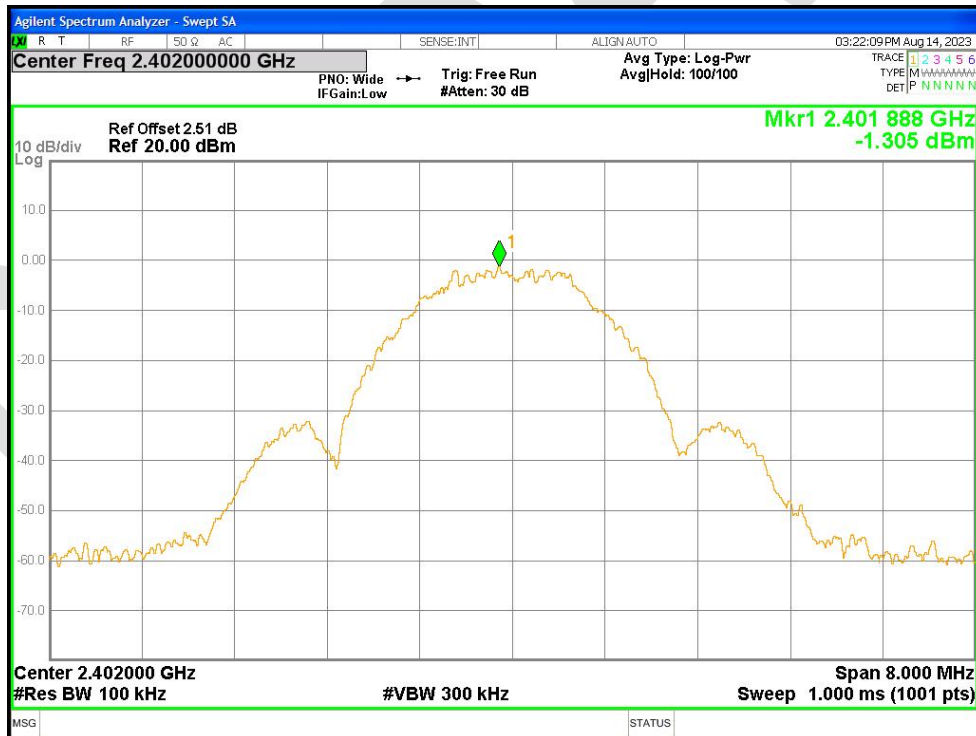
Band Edge NVNT BLE 1M 2480MHz Ant1 Ref



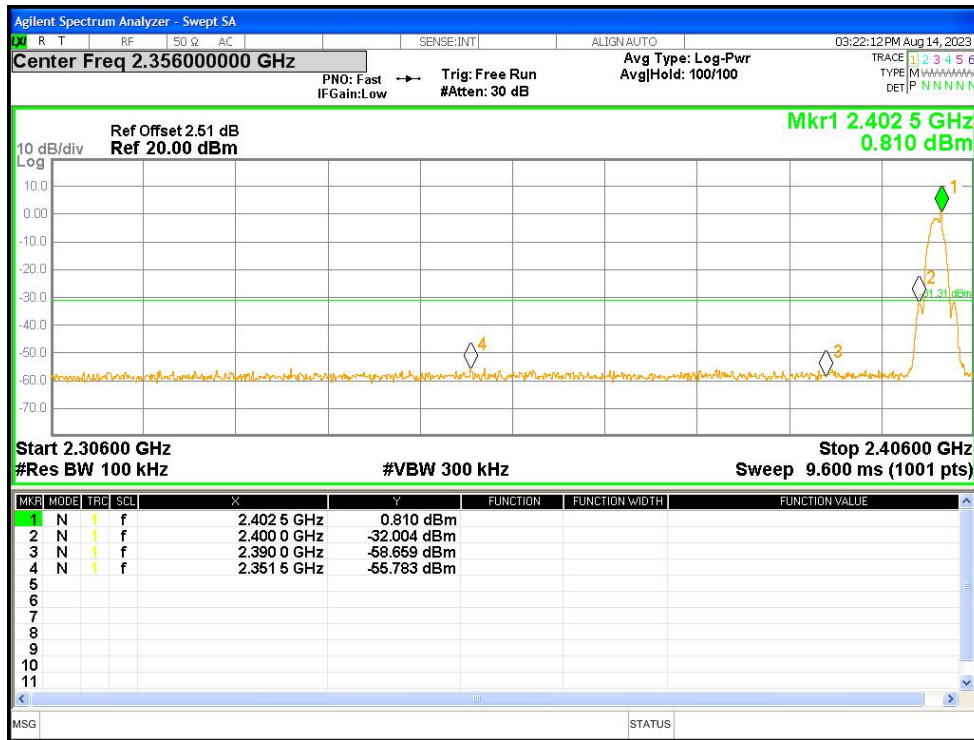
Band Edge NVNT BLE 1M 2480MHz Ant1 Emission



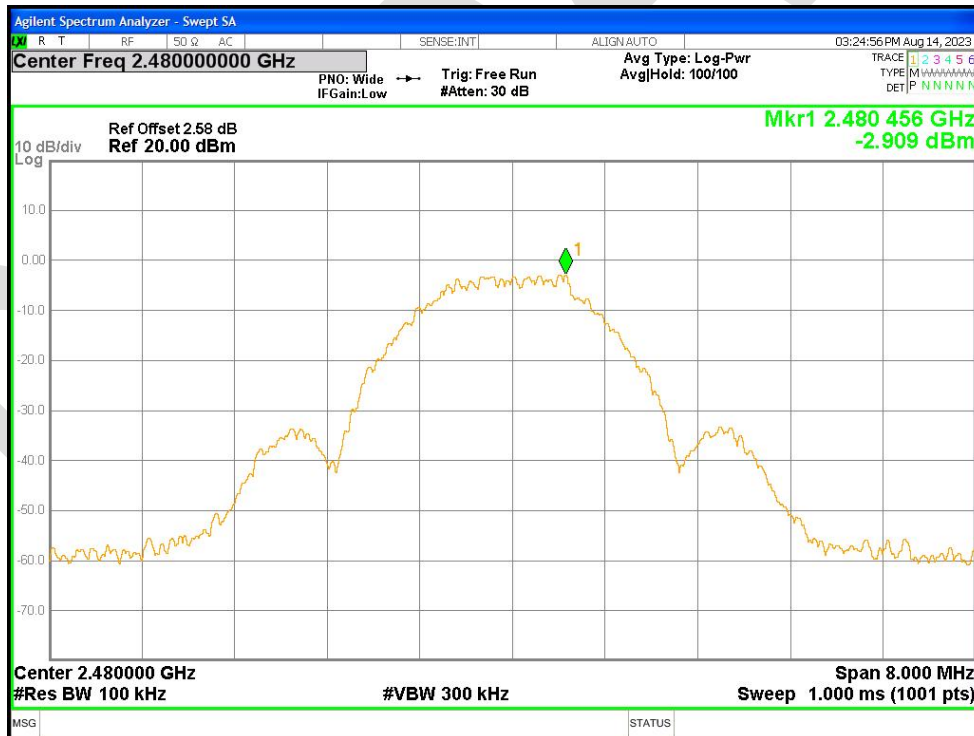
Band Edge NVNT BLE 2M 2402MHz Ant1 Ref



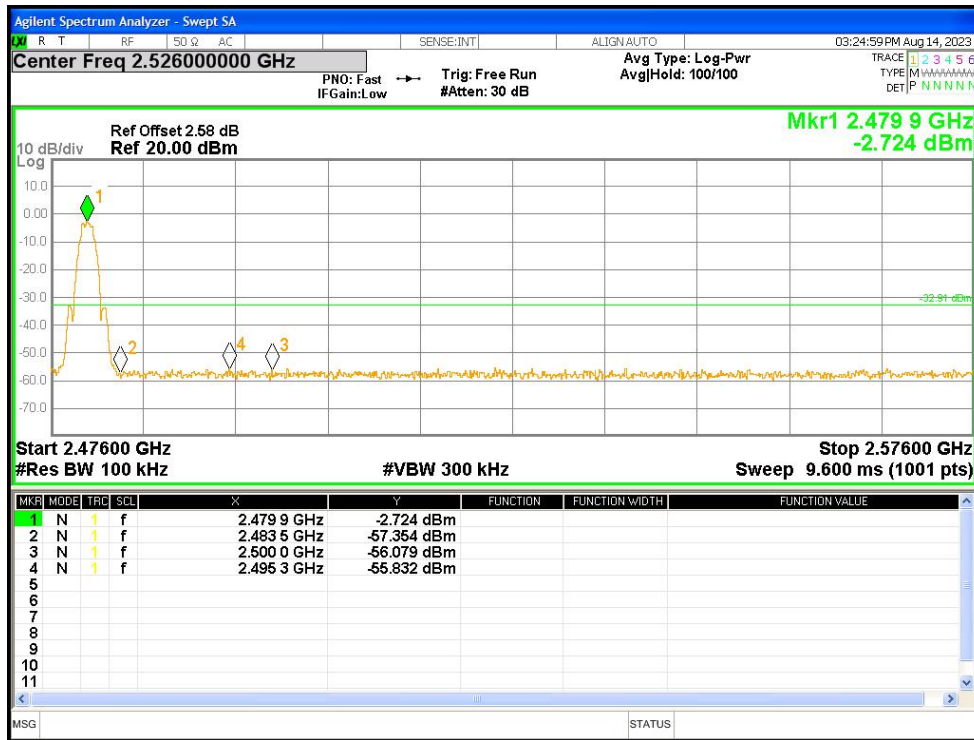
Band Edge NVNT BLE 2M 2402MHz Ant1 Emission



Band Edge NVNT BLE 2M 2480MHz Ant1 Ref



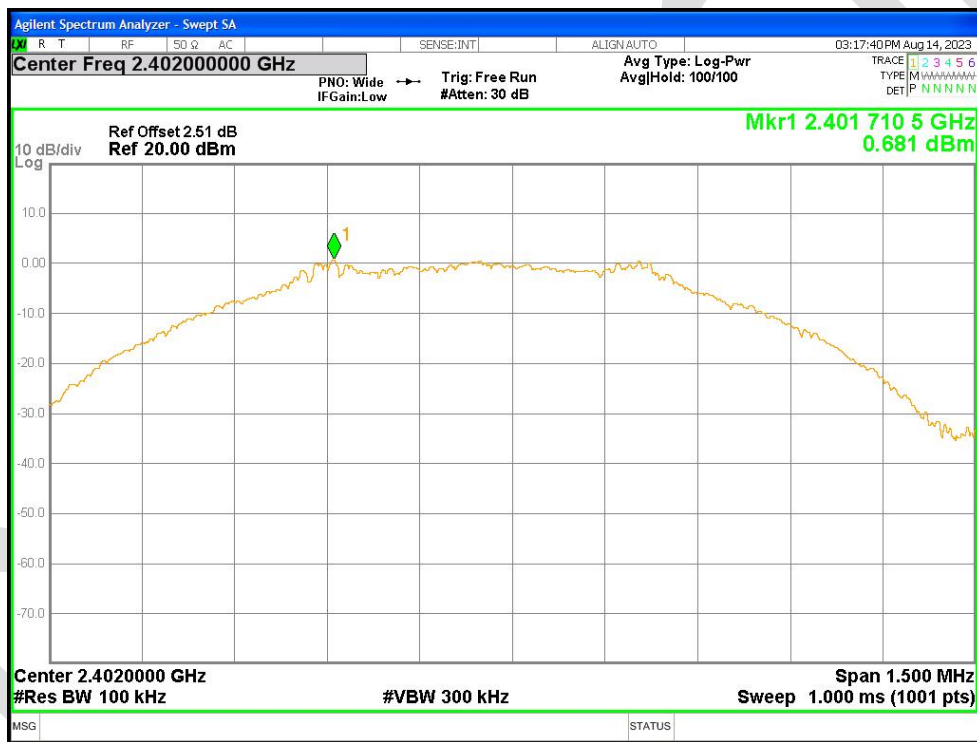
Band Edge NVNT BLE 2M 2480MHz Ant1 Emission



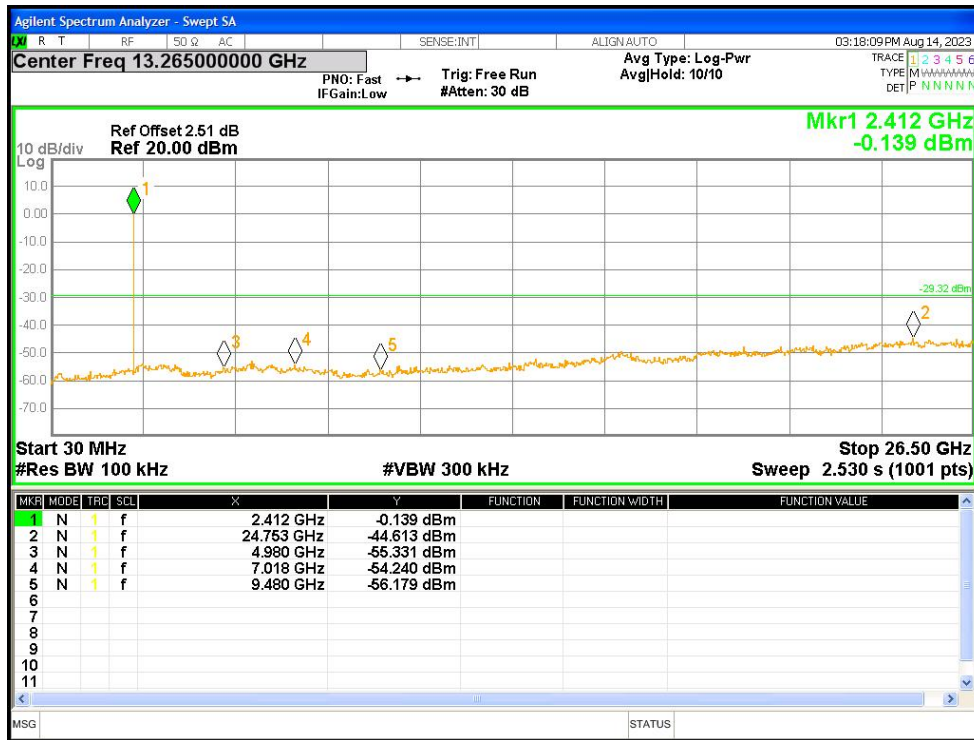
20.6 CONDUCTED RF SPURIOUS EMISSION

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-45.29	-30	Pass
NVNT	BLE 1M	2442	Ant1	-45.33	-30	Pass
NVNT	BLE 1M	2480	Ant1	-43.86	-30	Pass
NVNT	BLE 2M	2402	Ant1	-43.35	-30	Pass
NVNT	BLE 2M	2442	Ant1	-43.08	-30	Pass
NVNT	BLE 2M	2480	Ant1	-41.95	-30	Pass

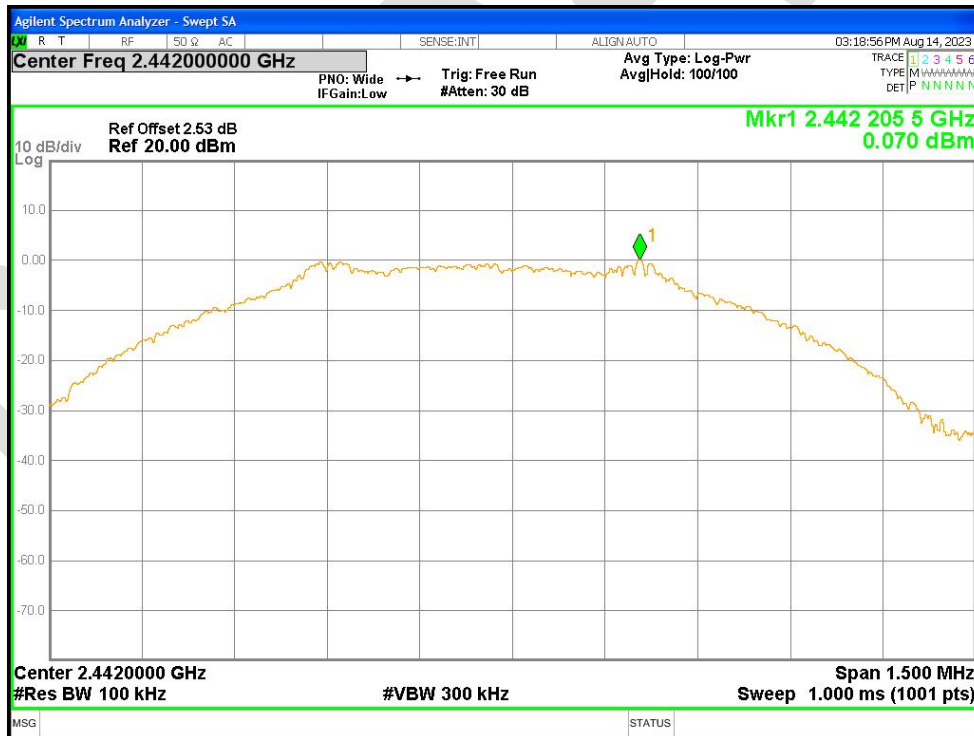
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Ref



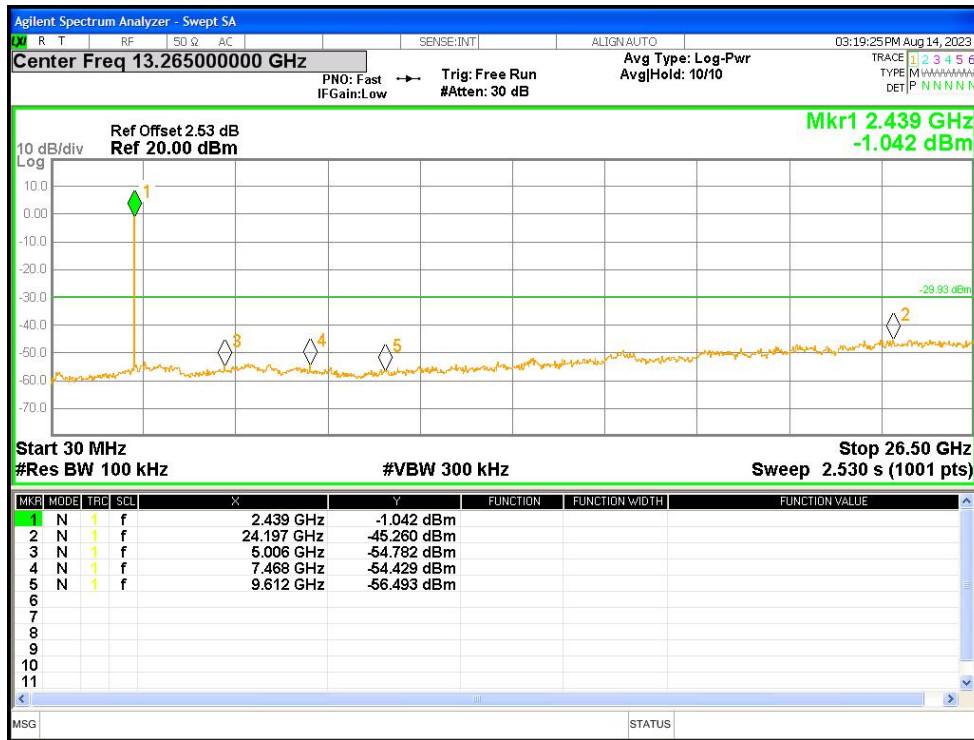
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Emission



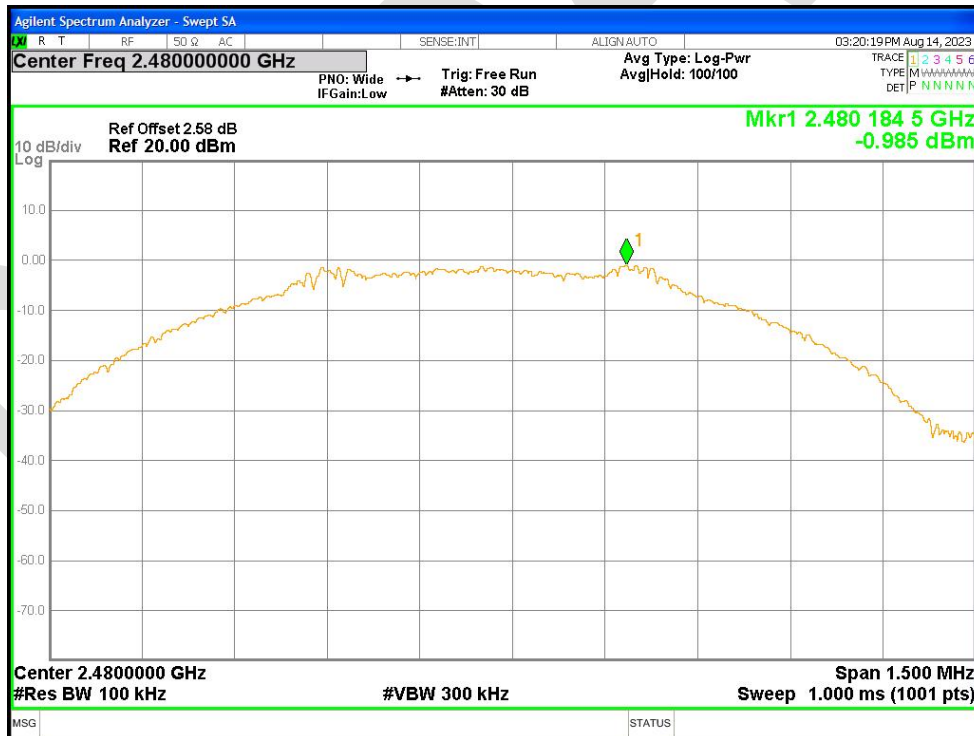
Tx. Spurious NVNT BLE 1M 2442MHz Ant1 Ref



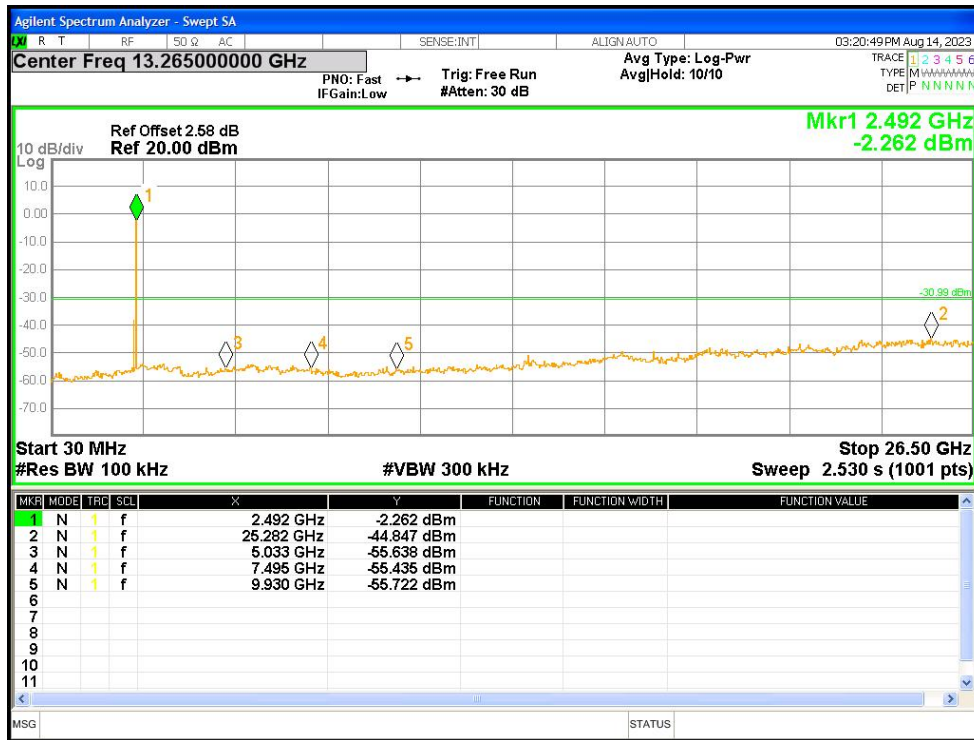
Tx. Spurious NVNT BLE 1M 2442MHz Ant1 Emission



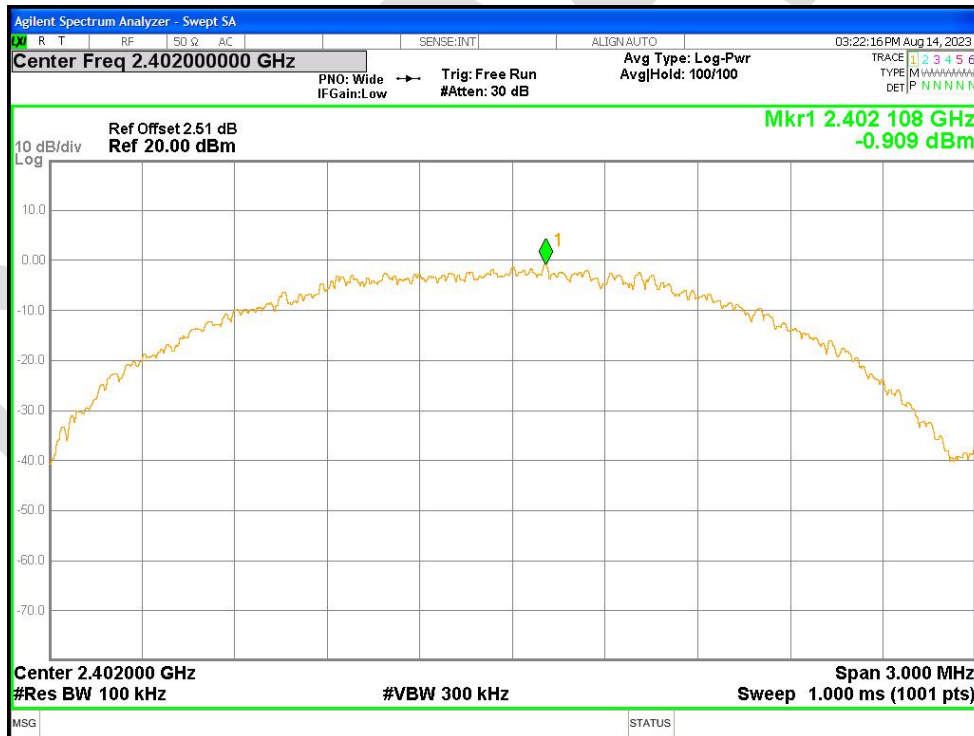
Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Ref



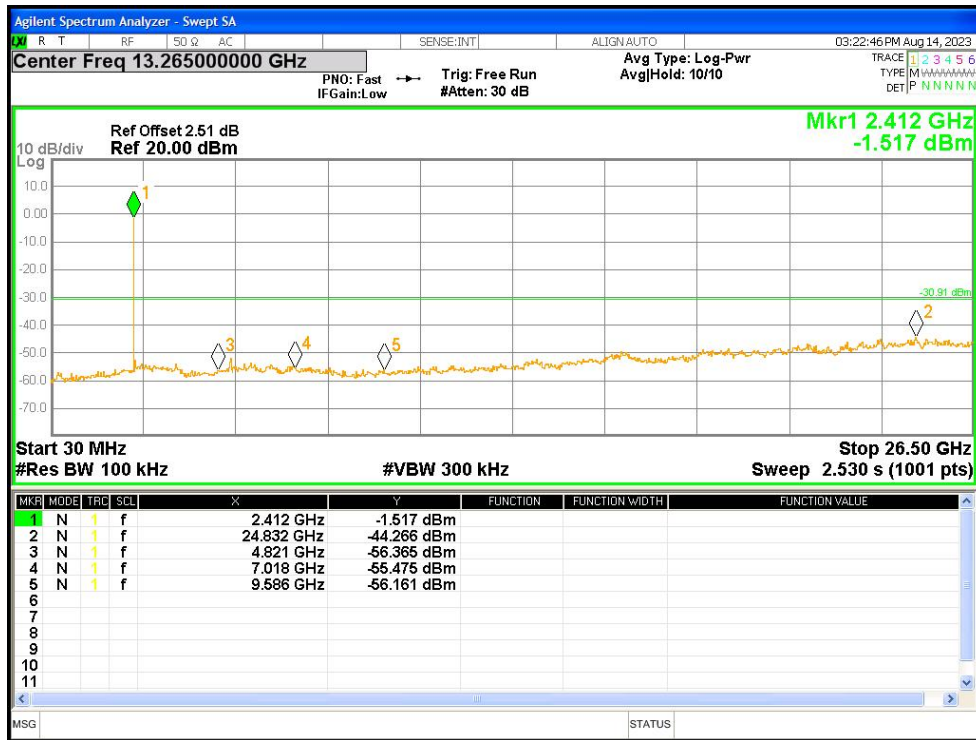
Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Emission



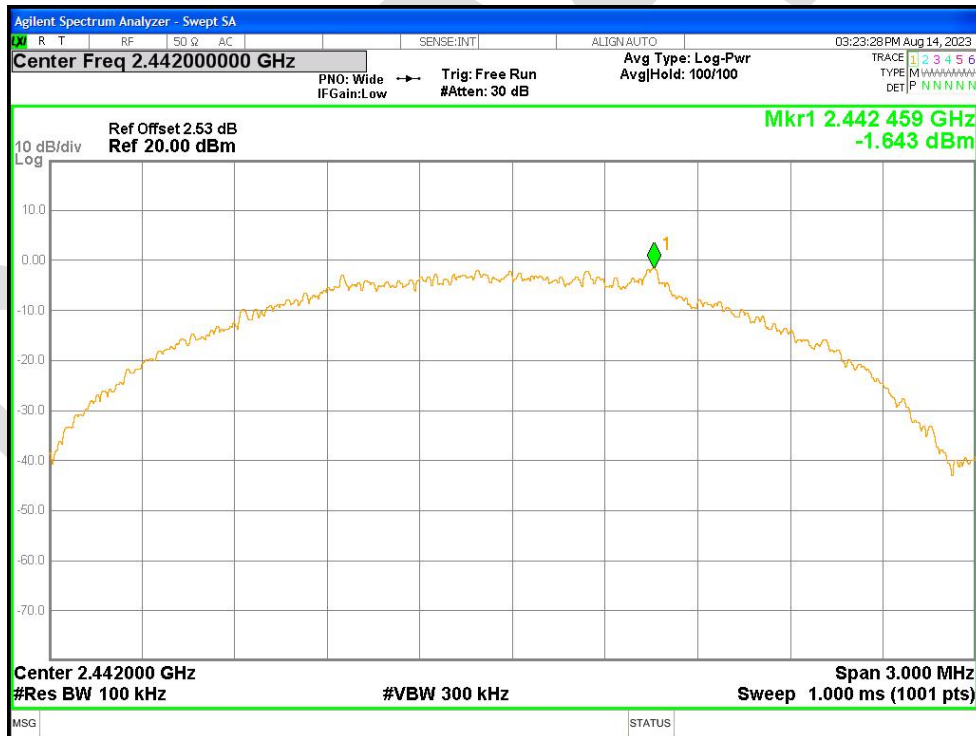
Tx. Spurious NVNT BLE 2M 2402MHz Ant1 Ref



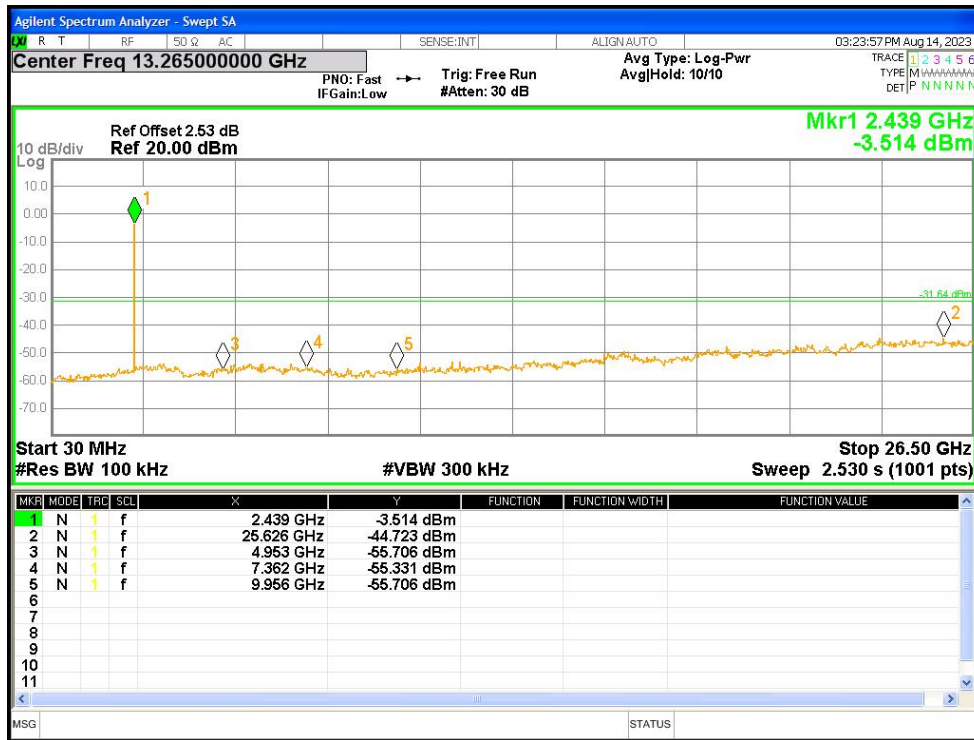
Tx. Spurious NVNT BLE 2M 2402MHz Ant1 Emission



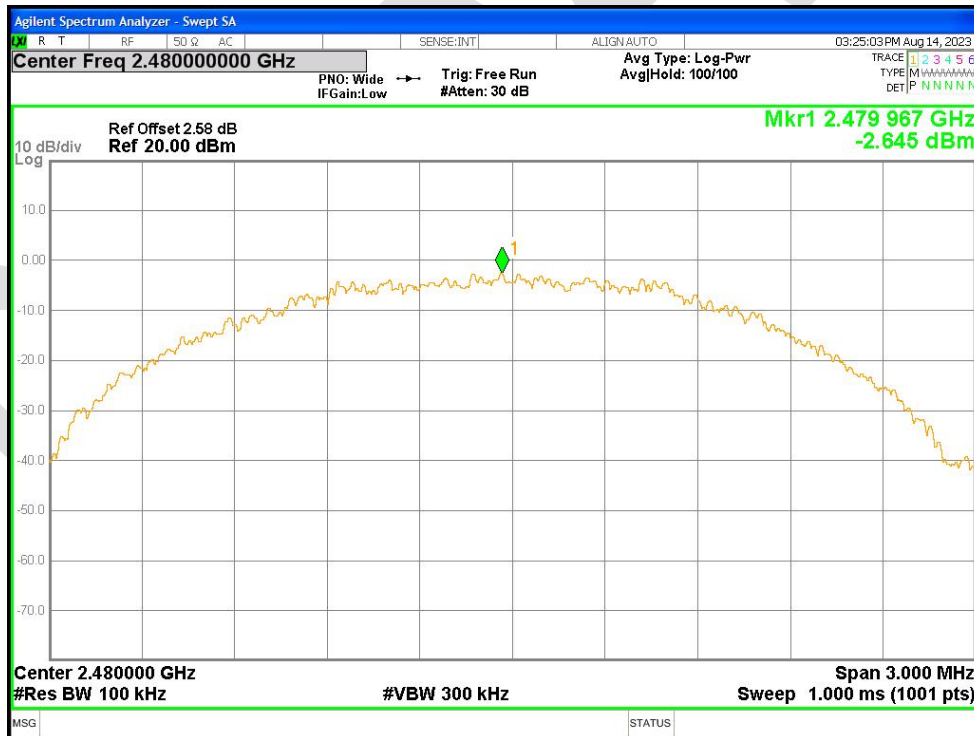
Tx. Spurious NVNT BLE 2M 2442MHz Ant1 Ref



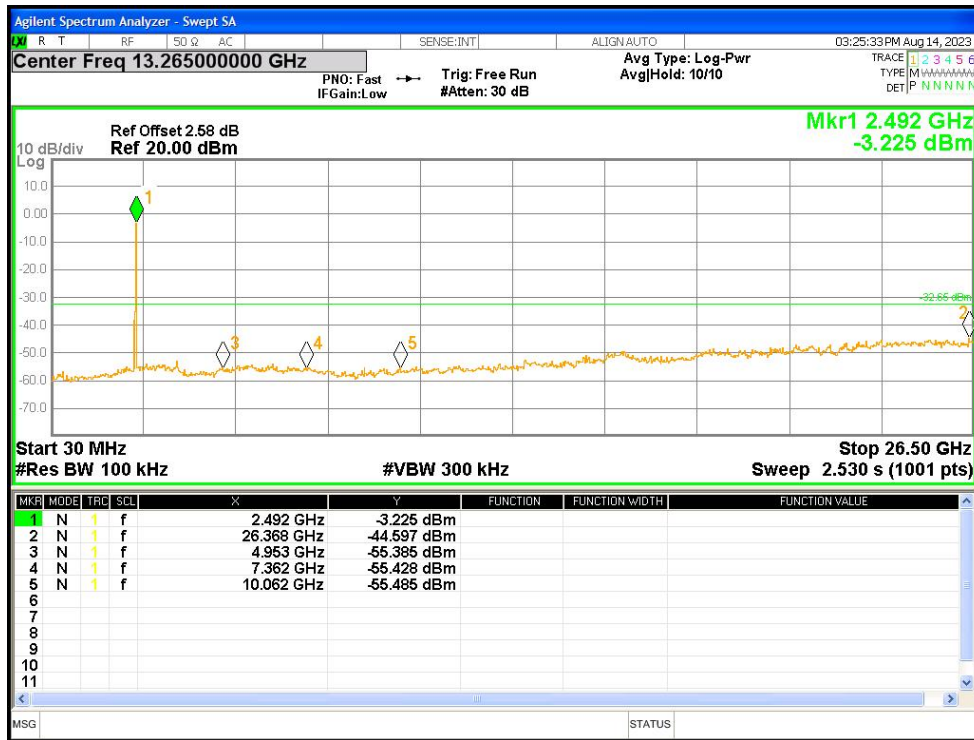
Tx. Spurious NVNT BLE 2M 2442MHz Ant1 Emission



Tx. Spurious NVNT BLE 2M 2480MHz Ant1 Ref



Tx. Spurious NVNT BLE 2M 2480MHz Ant1 Emission

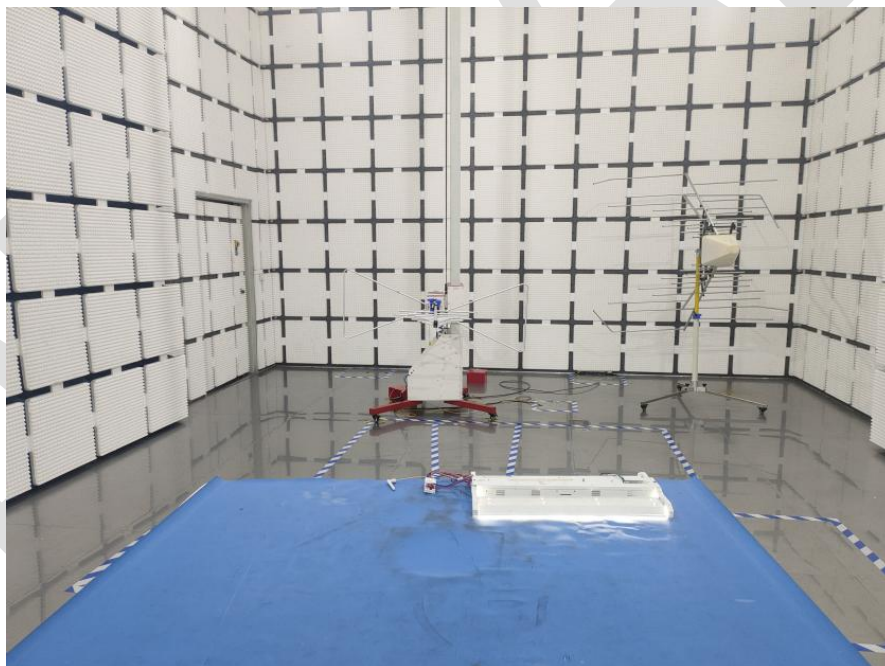


APPENDIX A: PHOTOGRAPHS OF TEST SETUP

Conducted Emissions at AC Power Line (150kHz-30MHz)



Radiated Spurious Emissions



APPENDIX B: PHOTOGRAPHS OF EUT

Reference to the test report No. BLA-EMC-202307-A6001

----END OF REPORT----

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