



Appendix A

RF Test Data for BLE (Conducted Measurement)

Product Name: Vlog Selfie Stick with Remote Control

Test Model: TE-RCSS-001

Environmental Conditions

Temperature:	23.5° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Nick Peng
Supervised by:	Li Huan



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A.1 6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	6 dB Bandwidth (MHz)	Limit 6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 2M	2402	Ant1	1.103	0.5	Pass
NVNT	BLE 2M	2440	Ant1	1.12	0.5	Pass
NVNT	BLE 2M	2480	Ant1	1.149	0.5	Pass



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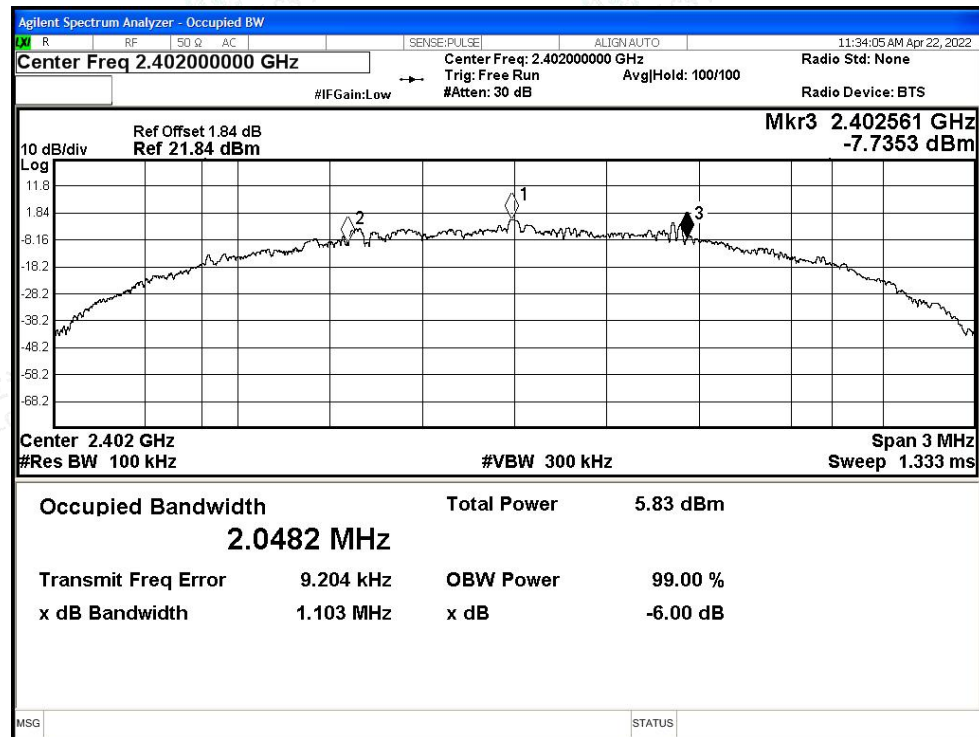
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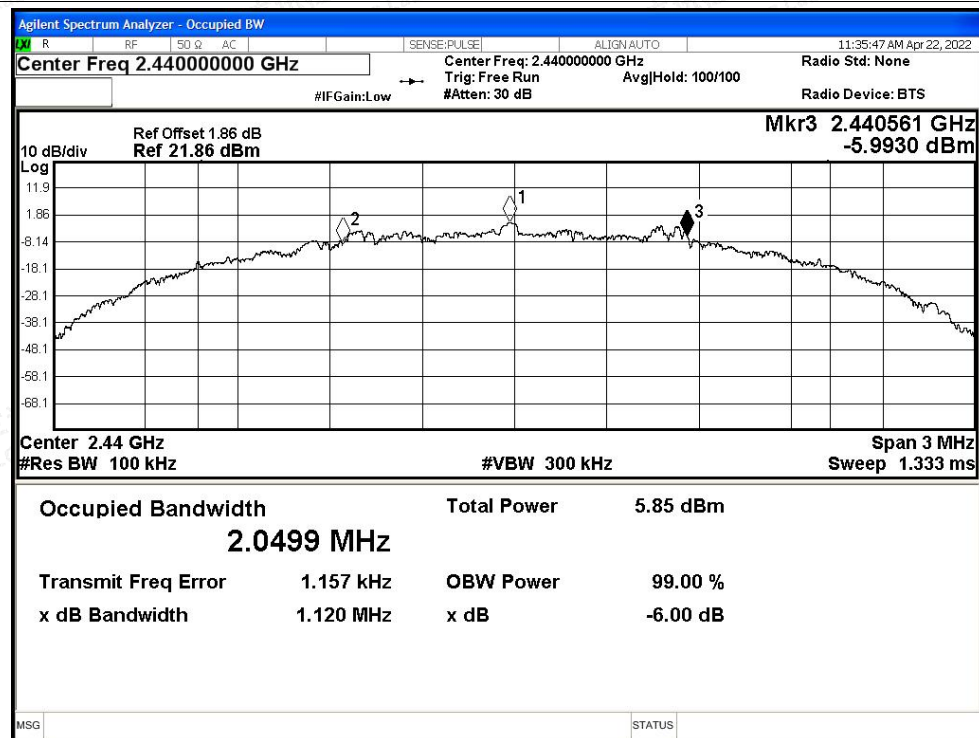


Test Graphs

6dB Bandwidth NVNT BLE 2M 2402MHz Ant1



6dB Bandwidth NVNT BLE 2M 2440MHz Ant1

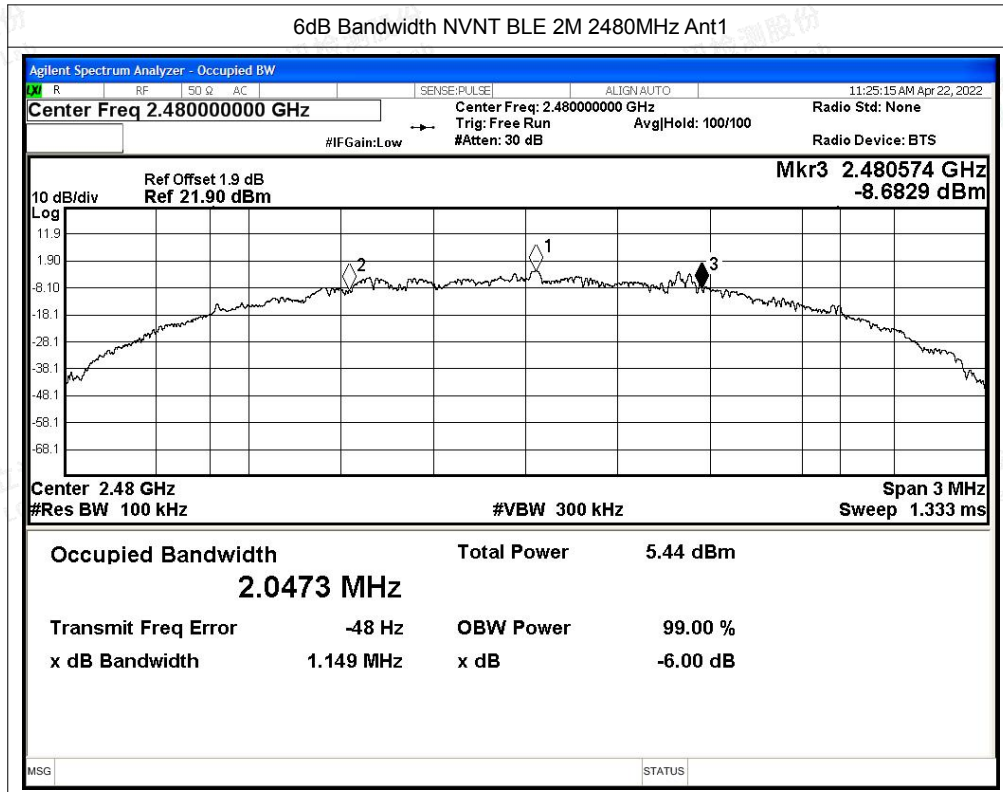


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A.2 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 2M	2402	Ant1	-0.36	30	Pass
NVNT	BLE 2M	2440	Ant1	-0.48	30	Pass
NVNT	BLE 2M	2480	Ant1	-0.78	30	Pass



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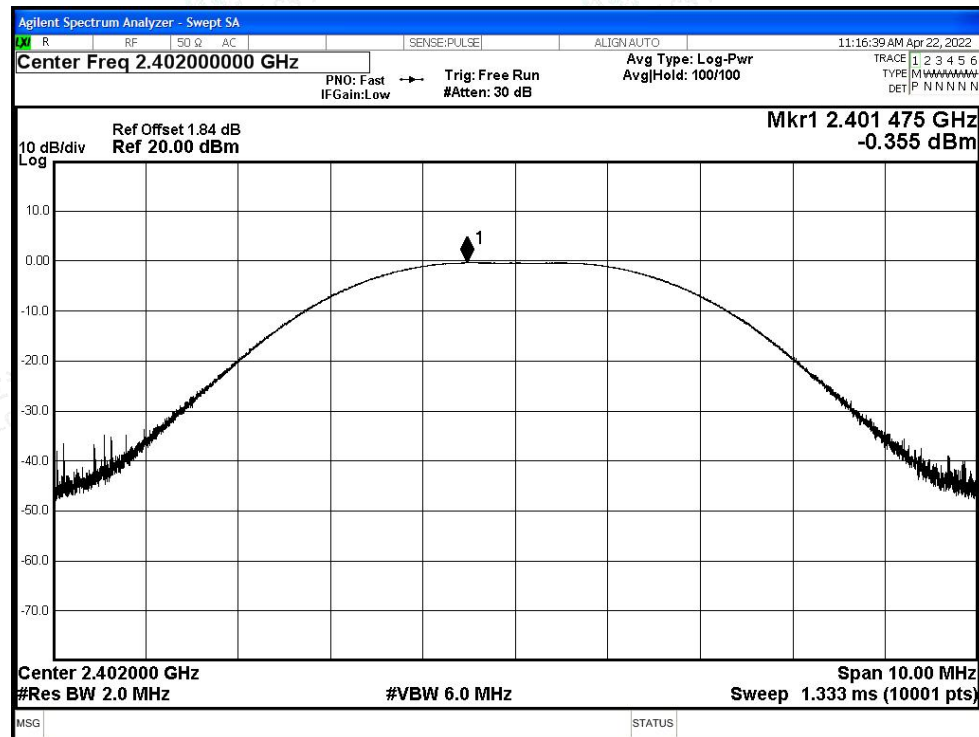
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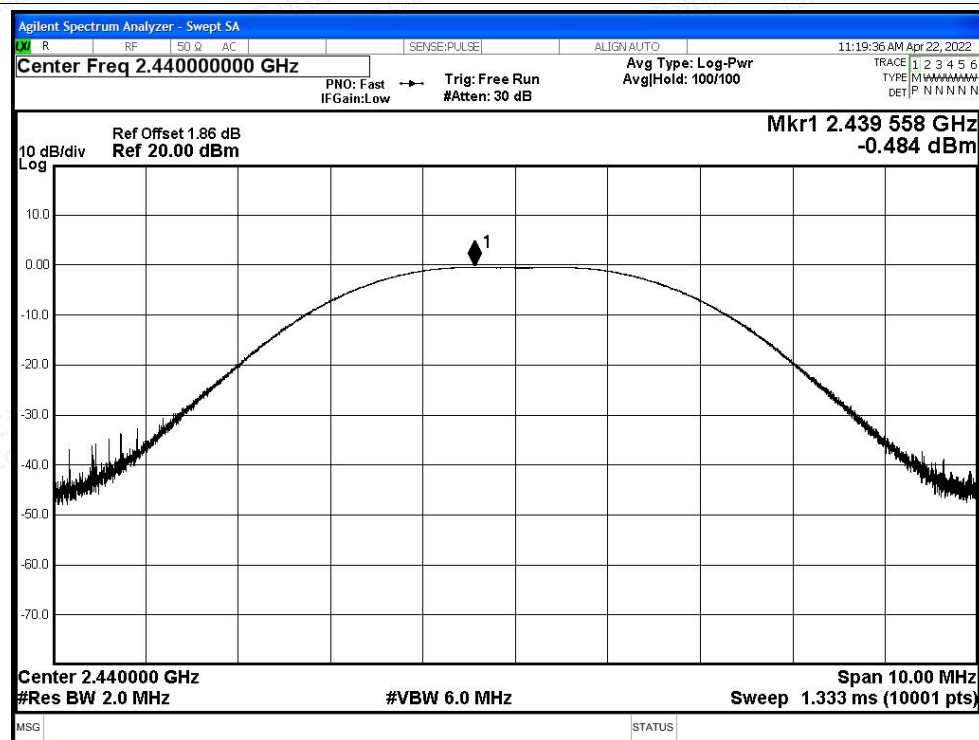


Test Graphs

Power NVNT BLE 2M 2402MHz Ant1



Power NVNT BLE 2M 2440MHz Ant1

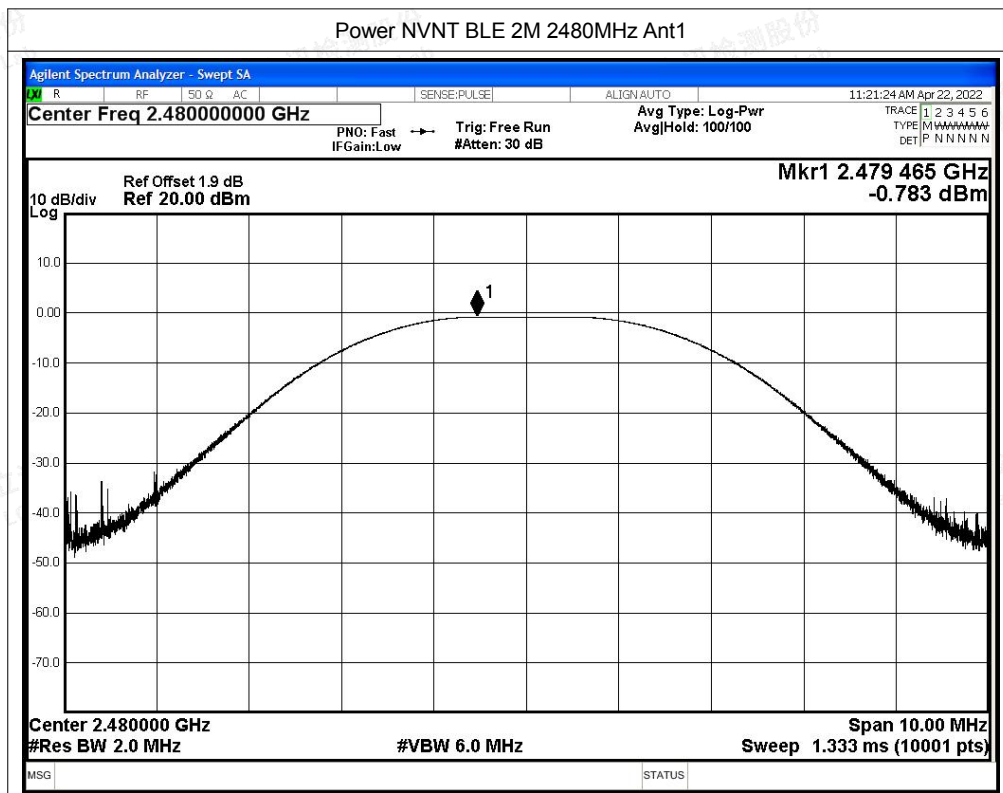


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A.3 Maximum Power Spectral Density

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 2M	2402	Ant1	-18.43	0	-18.43	8	Pass
NVNT	BLE 2M	2440	Ant1	-18.54	0	-18.54	8	Pass
NVNT	BLE 2M	2480	Ant1	-18.55	0	-18.55	8	Pass



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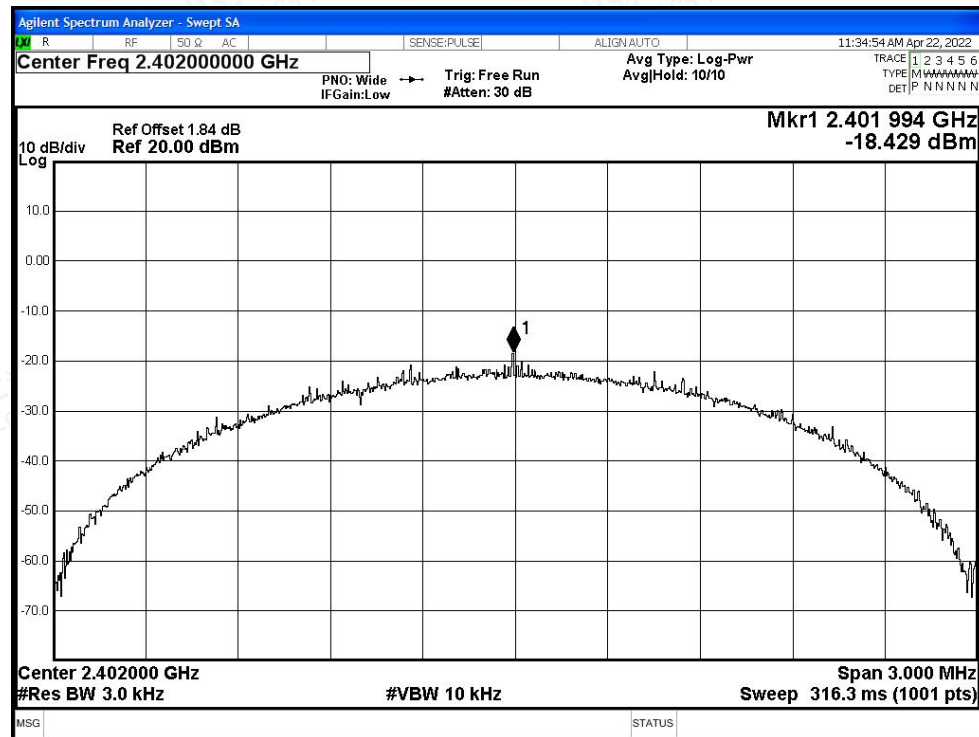
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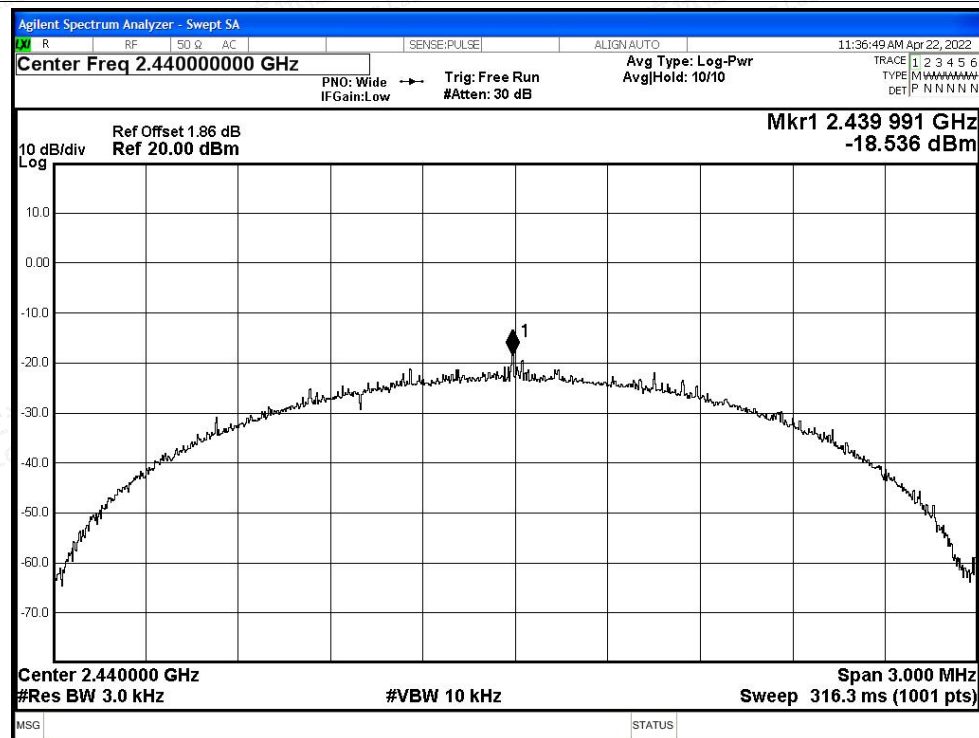


Test Graphs

PSD NVNT BLE 2M 2402MHz Ant1



PSD NVNT BLE 2M 2440MHz Ant1

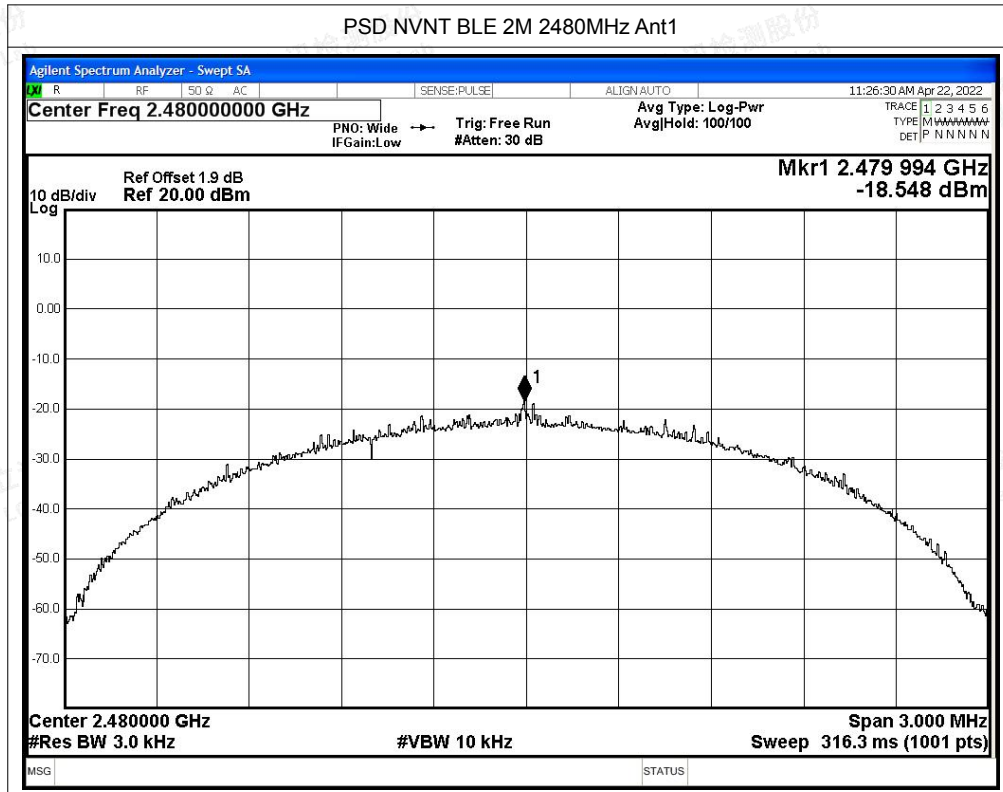


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A.4 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 2M	2402	Ant1	-30.56	-20	Pass
NVNT	BLE 2M	2480	Ant1	-51.14	-20	Pass



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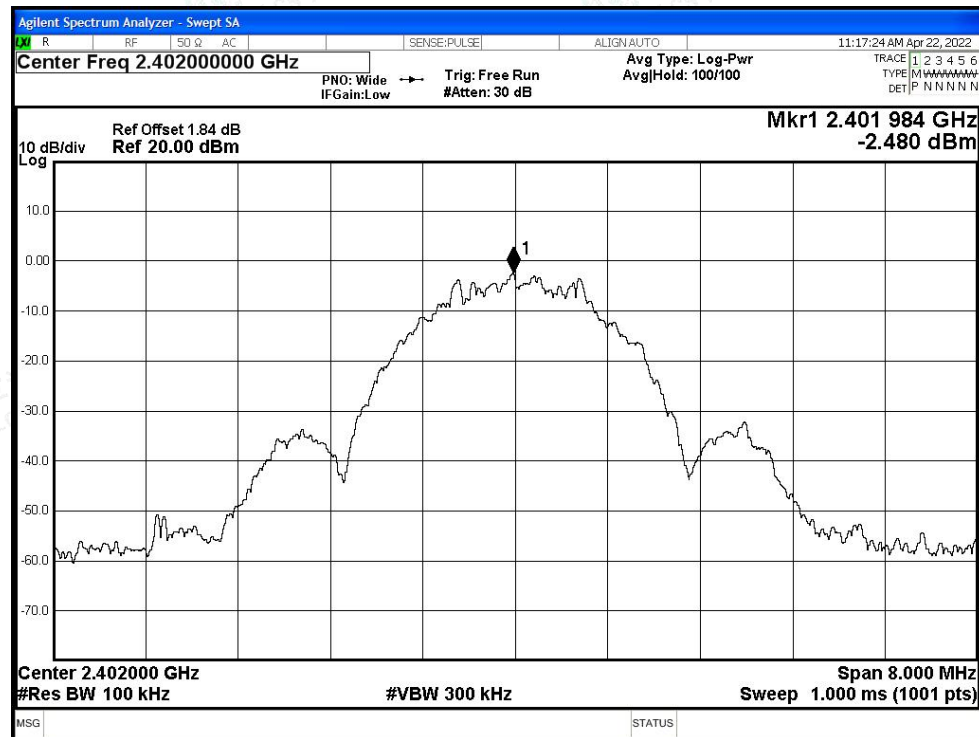
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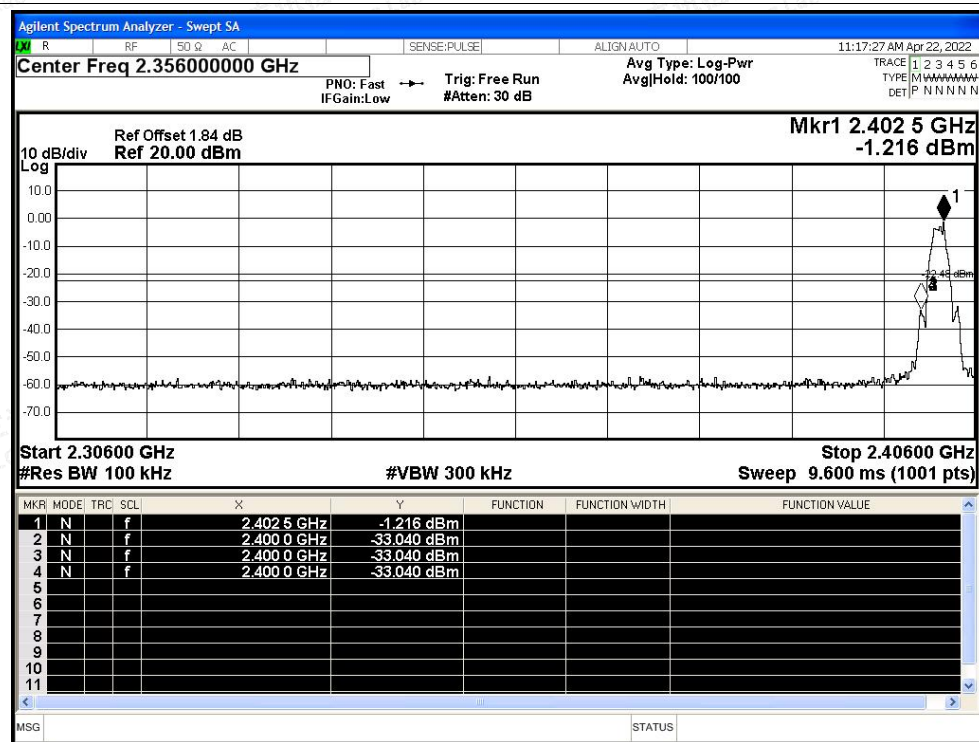


Test Graphs

Band Edge NVNT BLE 2M 2402MHz Ant1 Ref



Band Edge NVNT BLE 2M 2402MHz Ant1 Emission

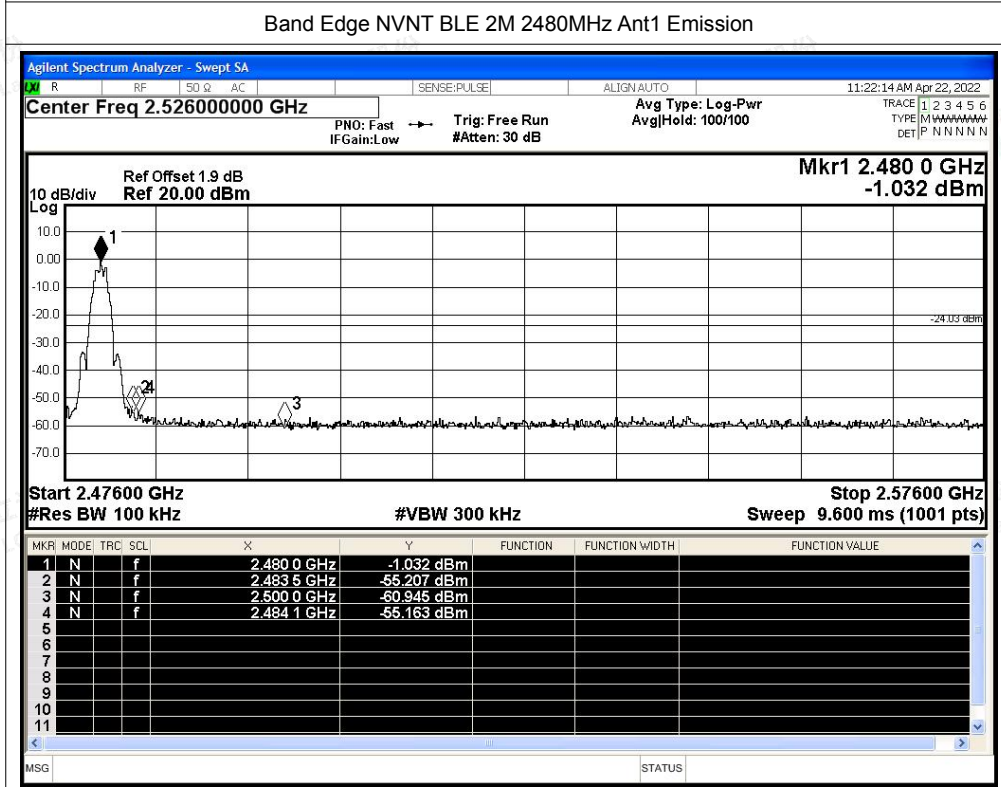
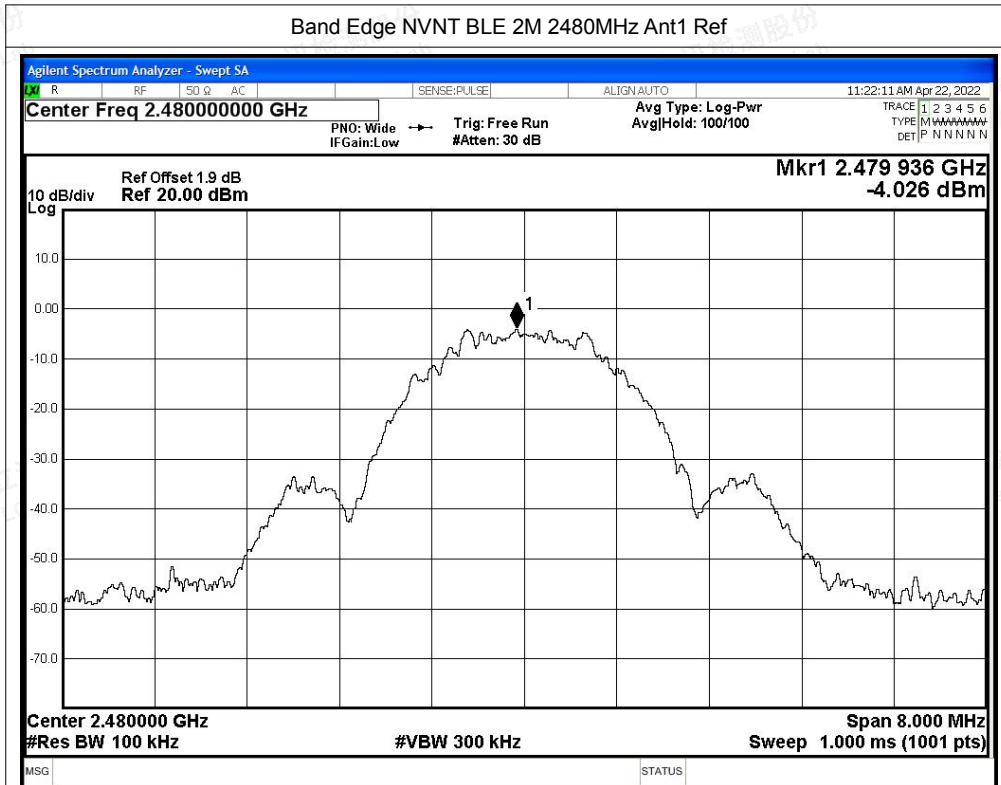


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A.5 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 2M	2402	Ant1	-53.08	-20	Pass
NVNT	BLE 2M	2440	Ant1	-55.39	-20	Pass
NVNT	BLE 2M	2480	Ant1	-54.14	-20	Pass



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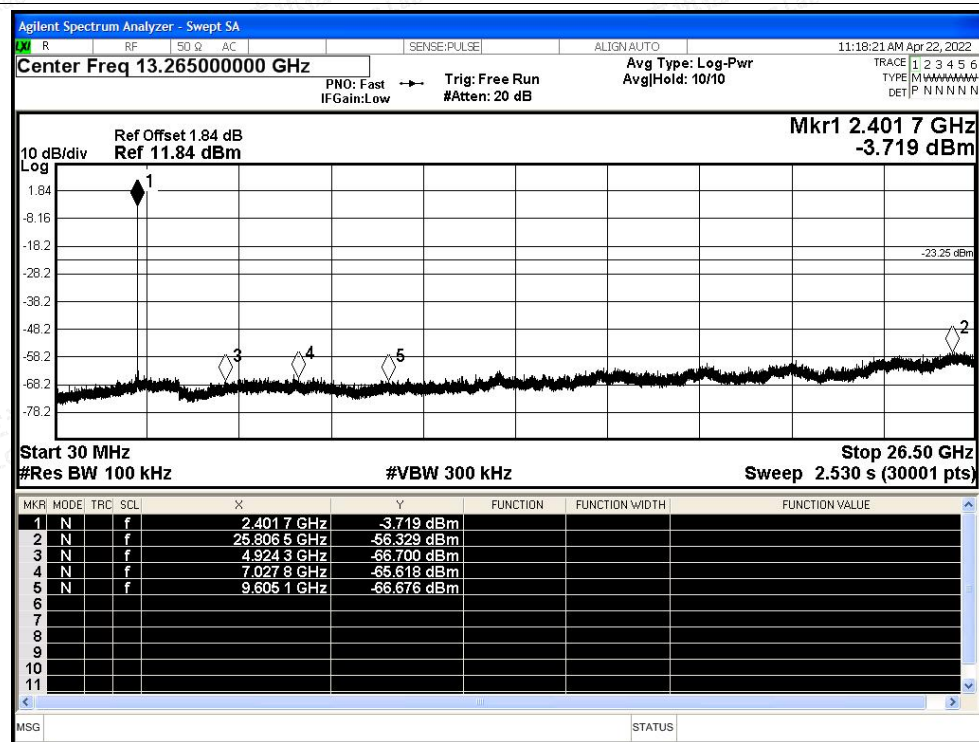


Test Graphs

Tx. Spurious NVNT BLE 2M 2402MHz Ant1 Ref



Tx. Spurious NVNT BLE 2M 2402MHz Ant1 Emission



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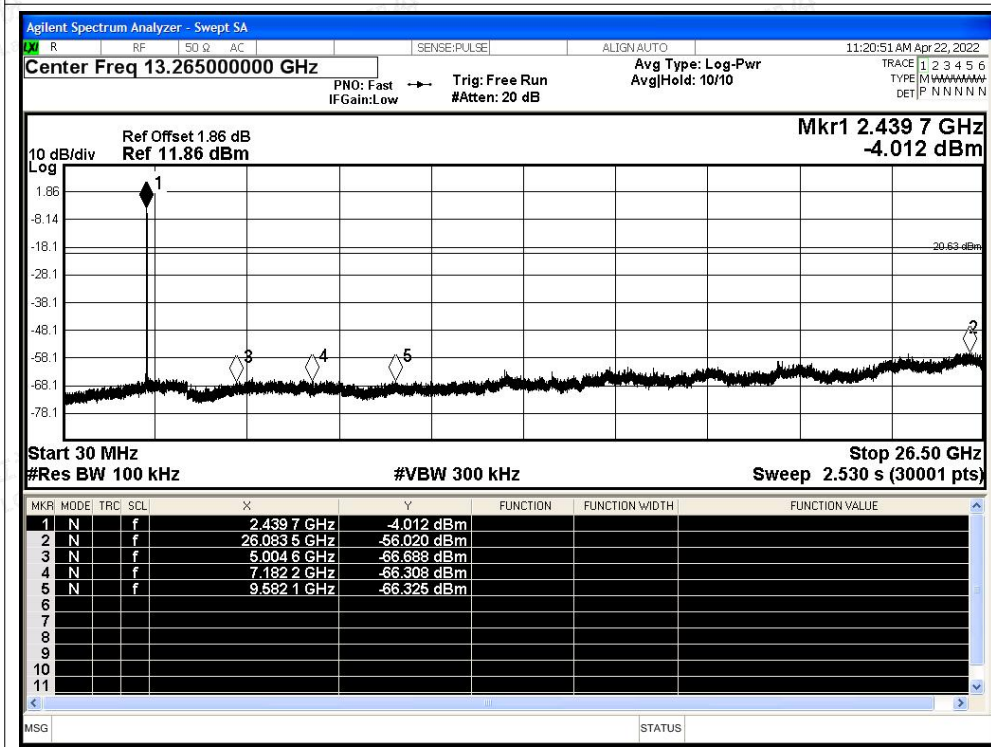
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Tx. Spurious NVNT BLE 2M 2440MHz Ant1 Ref



Tx. Spurious NVNT BLE 2M 2440MHz Ant1 Emission



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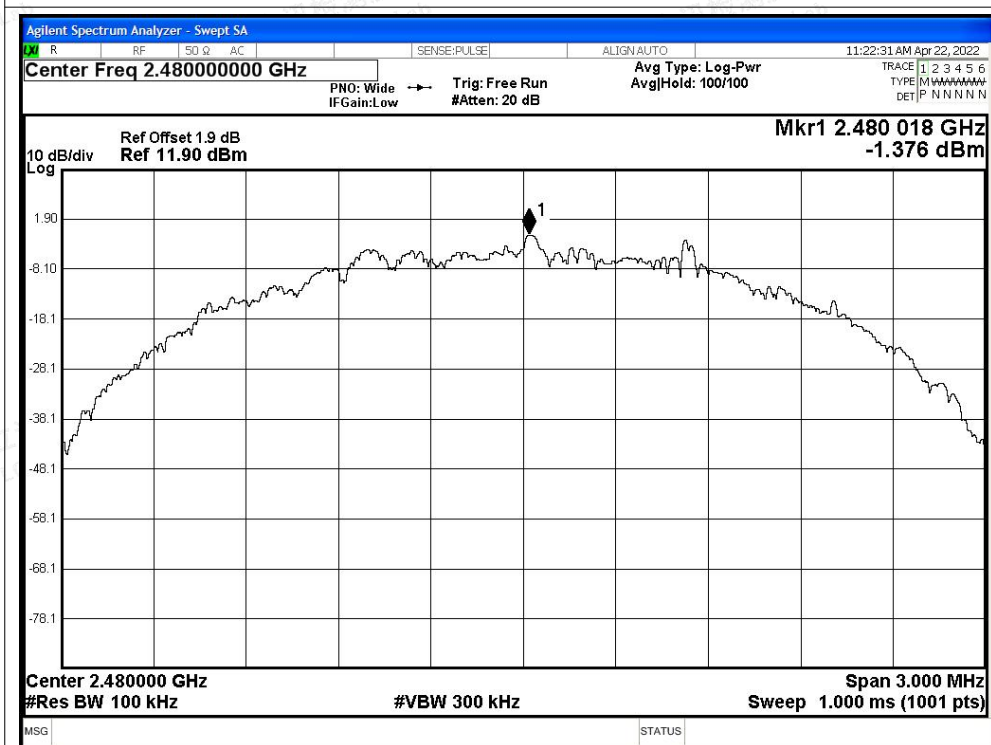
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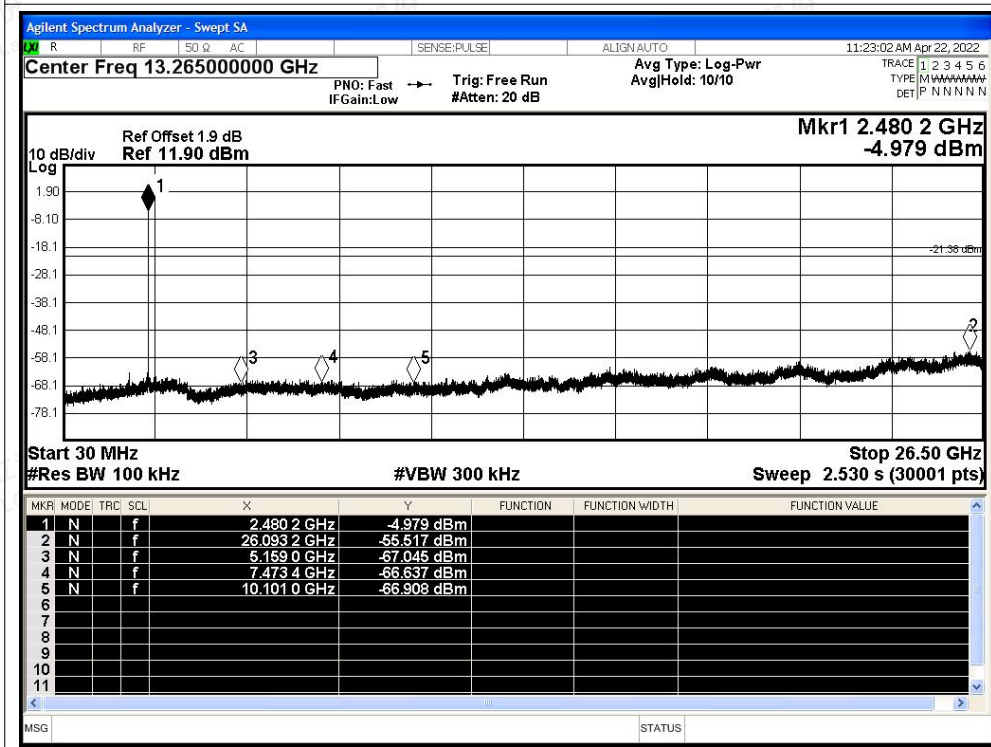
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Tx. Spurious NVNT BLE 2M 2480MHz Ant1 Ref



Tx. Spurious NVNT BLE 2M 2480MHz Ant1 Emission



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A.6 Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 2M	2402	Ant1	57.64	2.39	0.93
NVNT	BLE 2M	2440	Ant1	57.64	2.39	0.93
NVNT	BLE 2M	2480	Ant1	57.65	2.39	0.93



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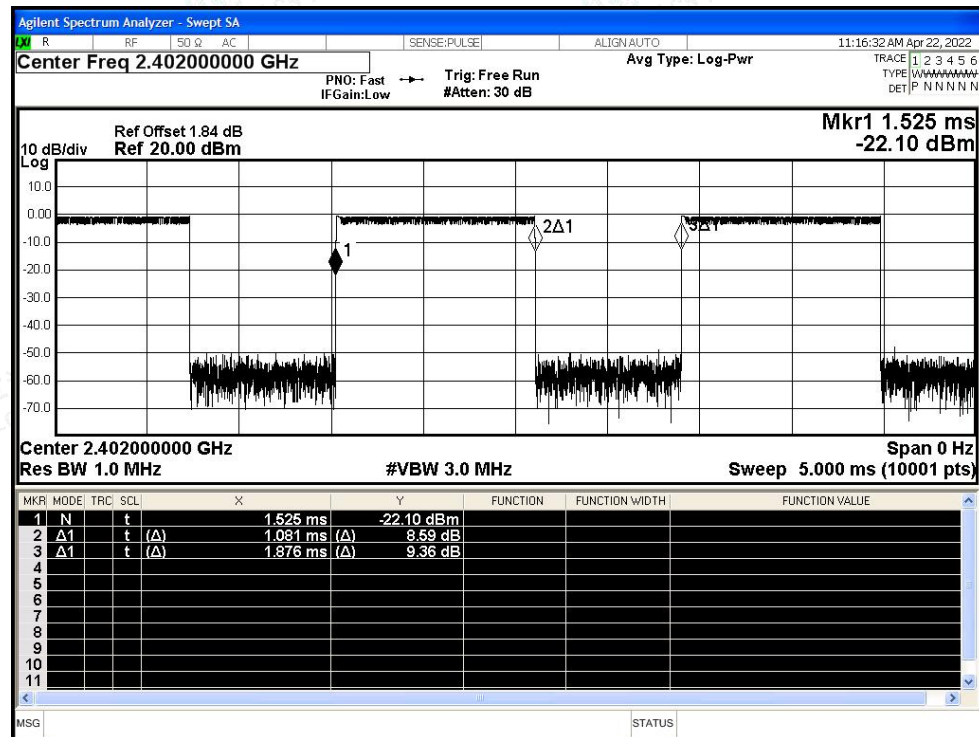
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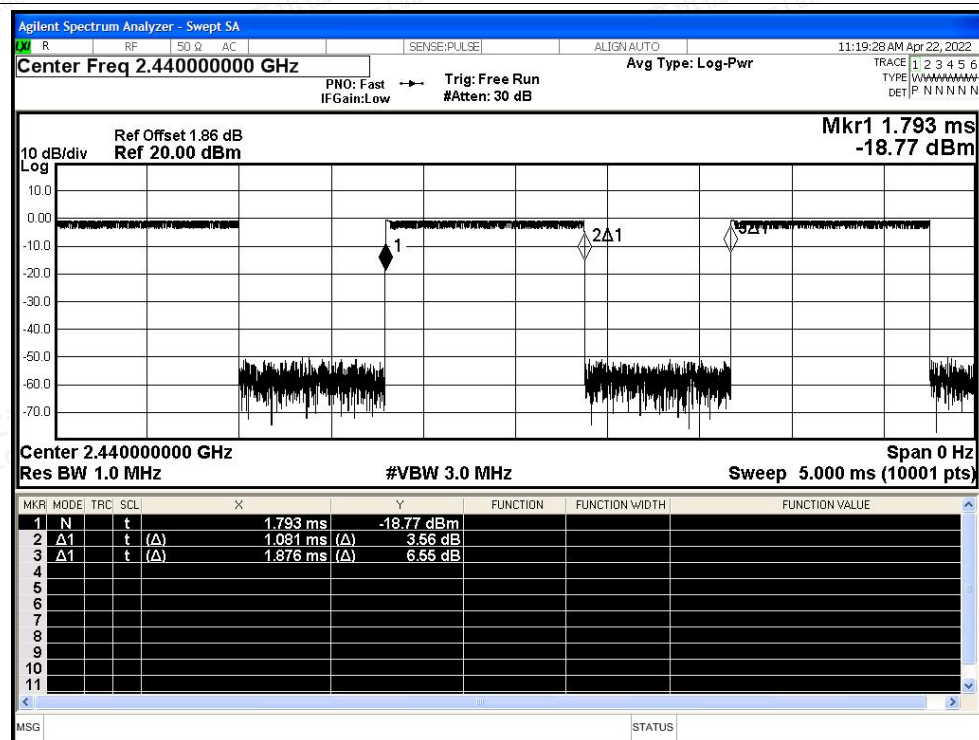


Test Graphs

Duty Cycle NVNT BLE 2M 2402MHz Ant1



Duty Cycle NVNT BLE 2M 2440MHz Ant1

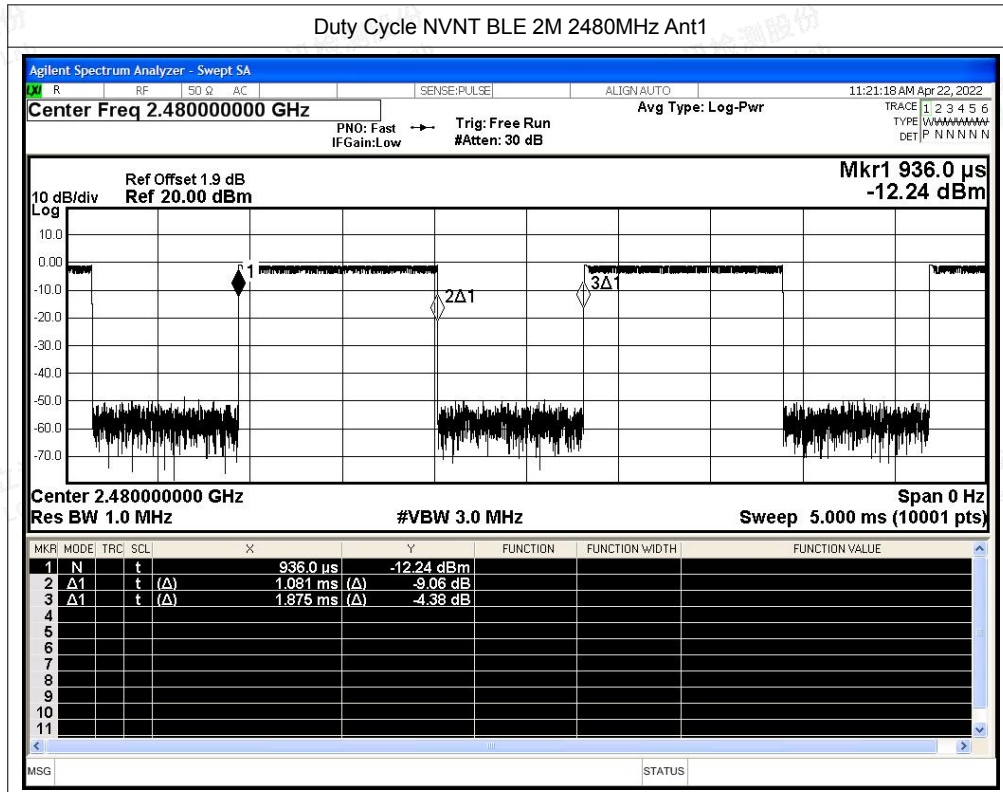


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A.7 Restrict Band

Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	BLE 2M	2402	Ant1	2310	-51.15	2	46.11	Peak	74	Pass
NVNT	BLE 2M	2402	Ant1	2310	-60.19	2	37.07	Average	54	Pass
NVNT	BLE 2M	2402	Ant1	2318.16	-47.26	2	50	Peak	74	Pass
NVNT	BLE 2M	2402	Ant1	2369.712	-59.12	2	38.14	Average	54	Pass
NVNT	BLE 2M	2402	Ant1	2390	-49.13	2	48.13	Peak	74	Pass
NVNT	BLE 2M	2402	Ant1	2390	-59.47	2	37.79	Average	54	Pass
NVNT	BLE 2M	2480	Ant1	2483.5	-45.71	2	51.55	Peak	74	Pass
NVNT	BLE 2M	2480	Ant1	2483.5	-54.53	2	42.73	Average	54	Pass
NVNT	BLE 2M	2480	Ant1	2483.68	-43.13	2	54.13	Peak	74	Pass
NVNT	BLE 2M	2480	Ant1	2483.512	-54.53	2	42.73	Average	54	Pass
NVNT	BLE 2M	2480	Ant1	2500	-50.85	2	46.41	Peak	74	Pass
NVNT	BLE 2M	2480	Ant1	2500	-59.59	2	37.67	Average	54	Pass



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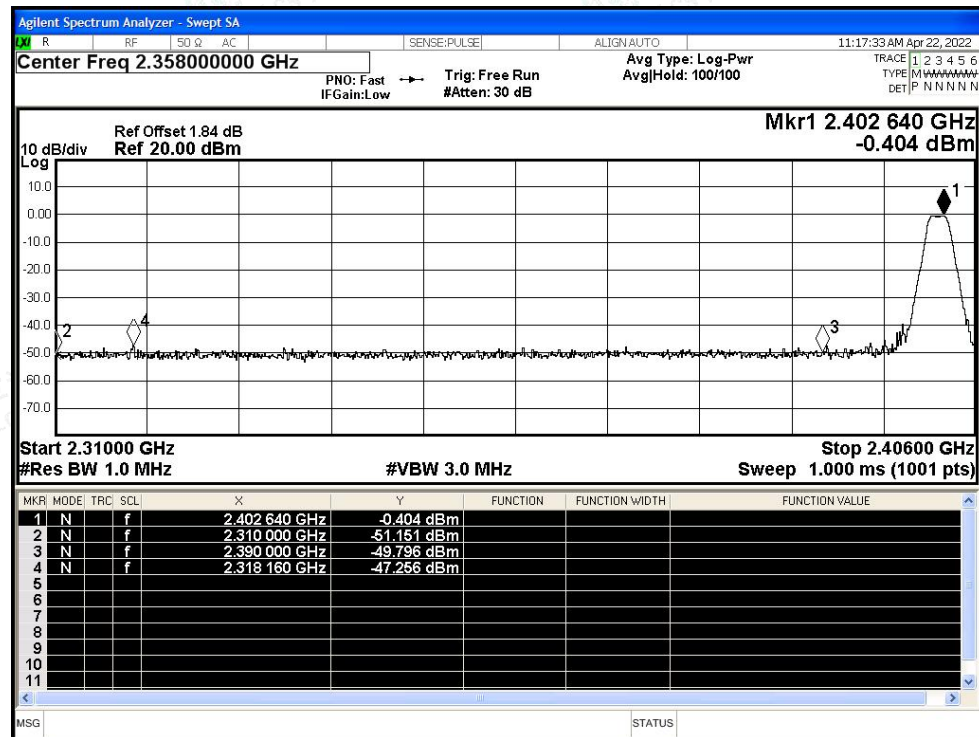
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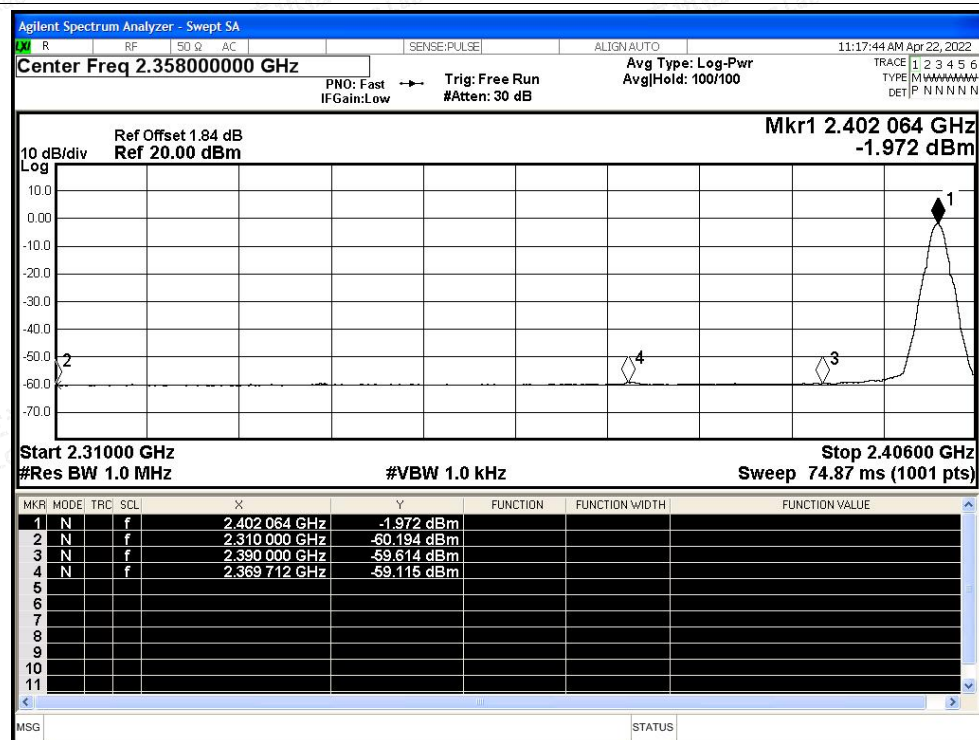


Test Graphs

Restrict Band NVNT BLE 2M 2402MHz Ant1 Peak



Restrict Band NVNT BLE 2M 2402MHz Ant1 Average



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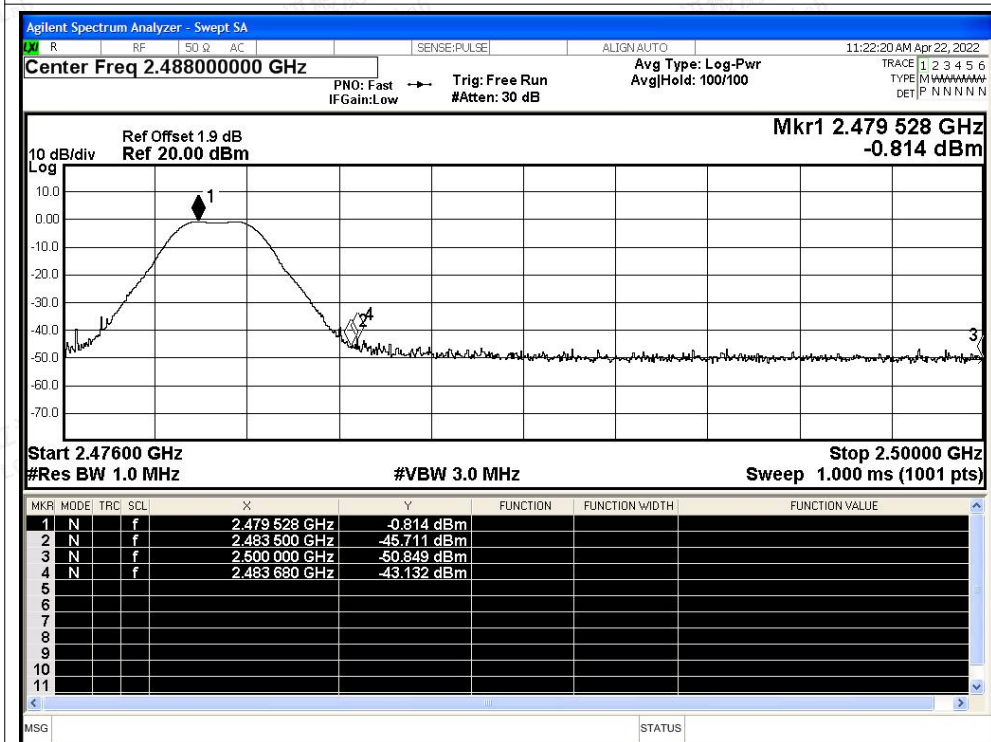
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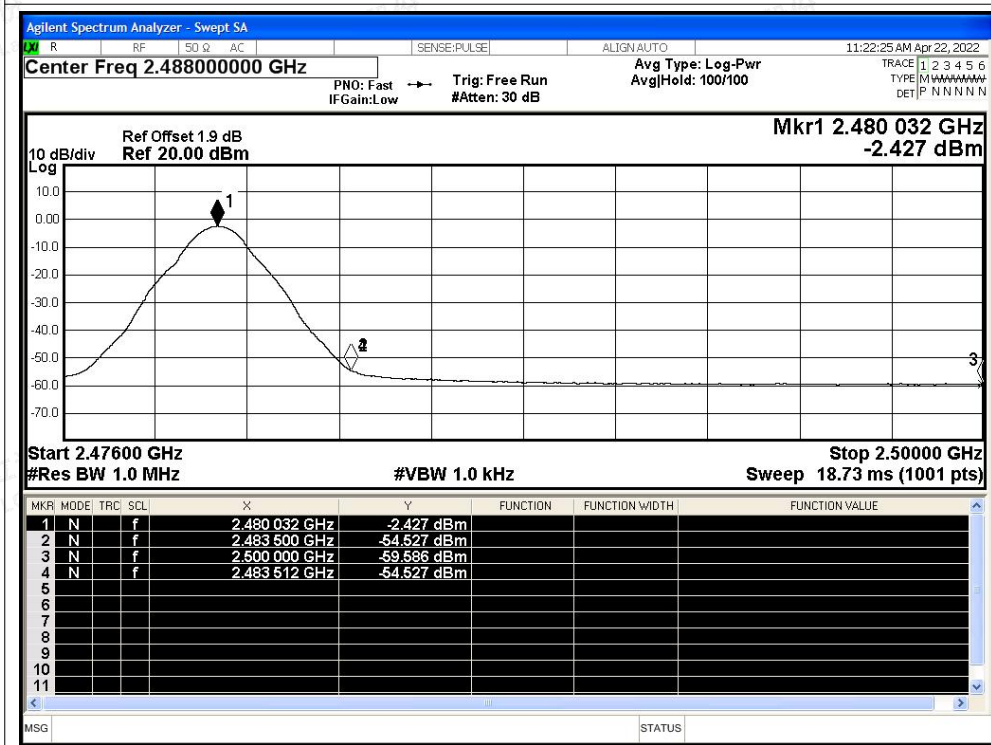
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Restrict Band NVNT BLE 2M 2480MHz Ant1 Peak



Restrict Band NVNT BLE 2M 2480MHz Ant1 Average



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