



Appendix A

RF Test Data for BT LE (Conducted Measurement)

Product Name: Robotic pool cleaner

Test Model: OS600

Environmental Conditions

Temperature:	24.5°C
Relative Humidity:	53.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Jerry Chu
Supervised by:	Can Kun



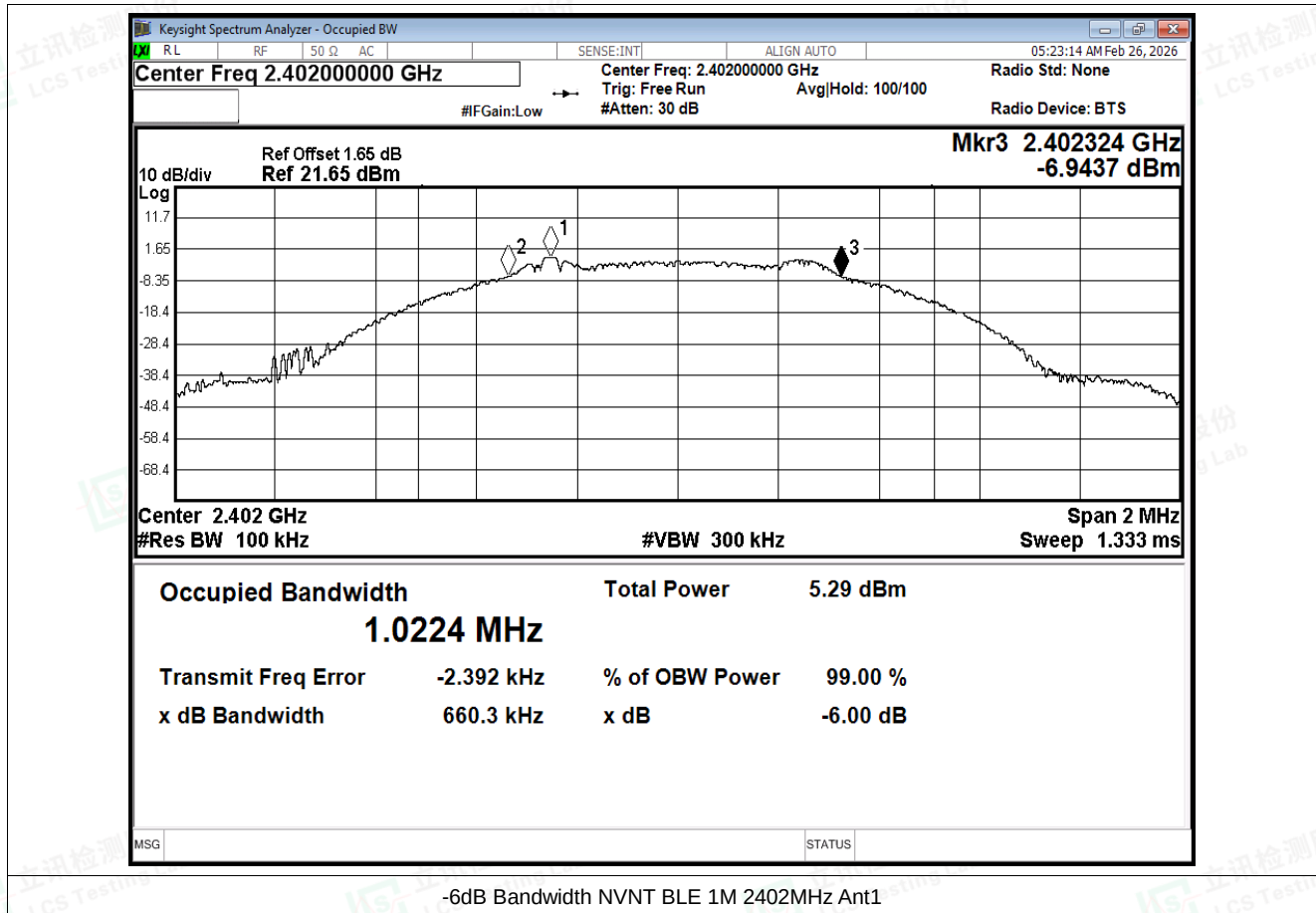
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A.1 -6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.6603	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.6703	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.6621	0.5	Pass



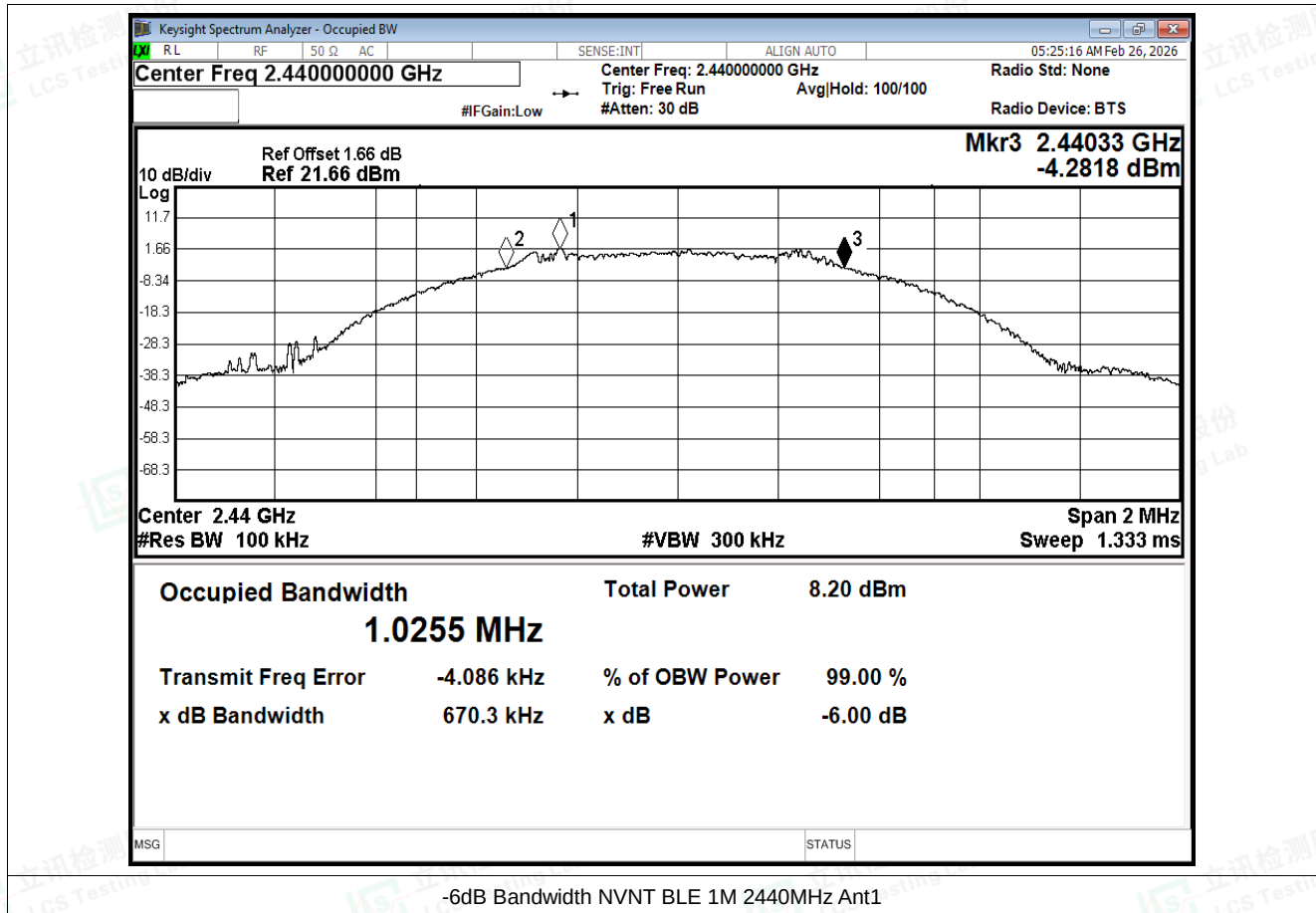


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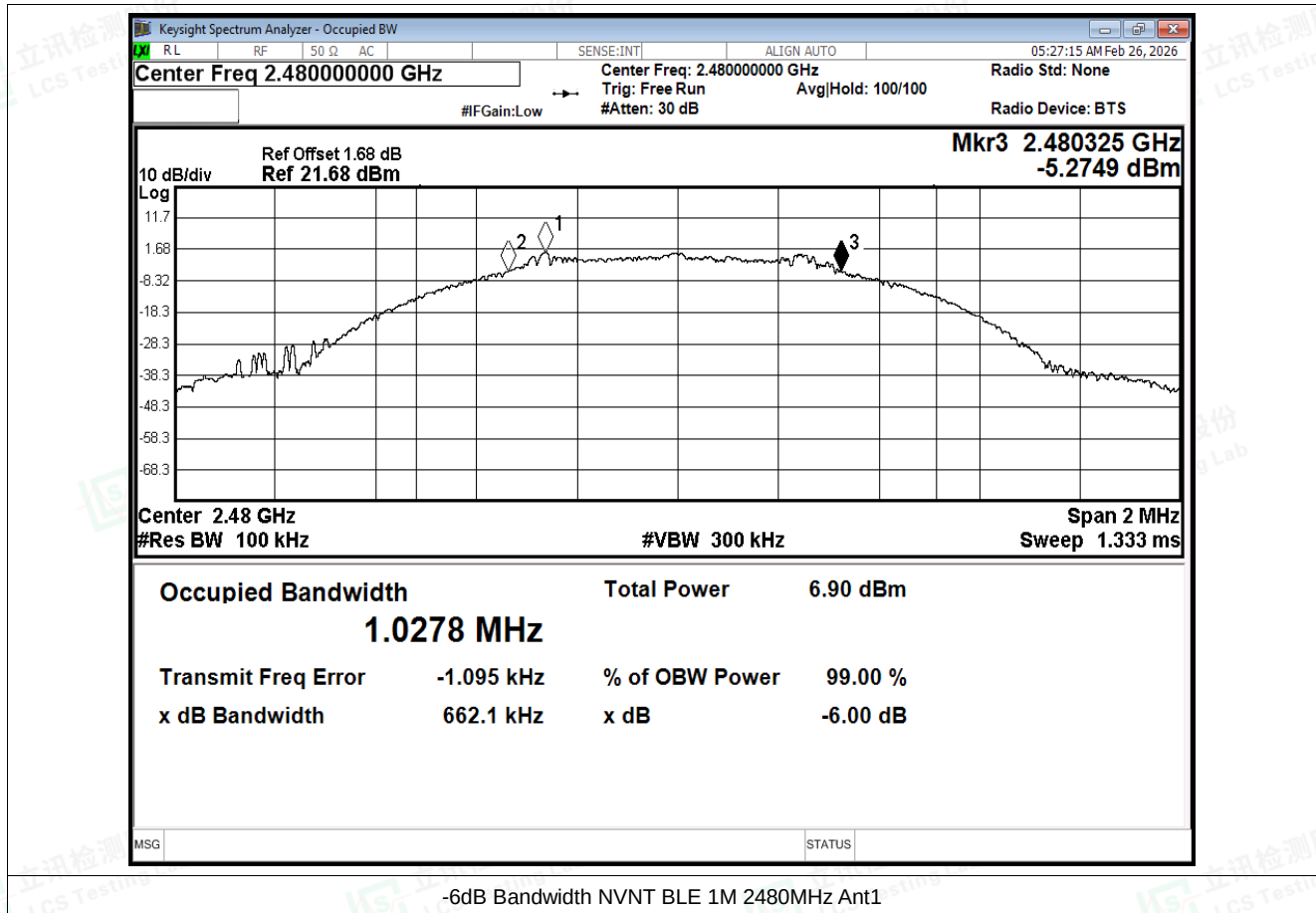


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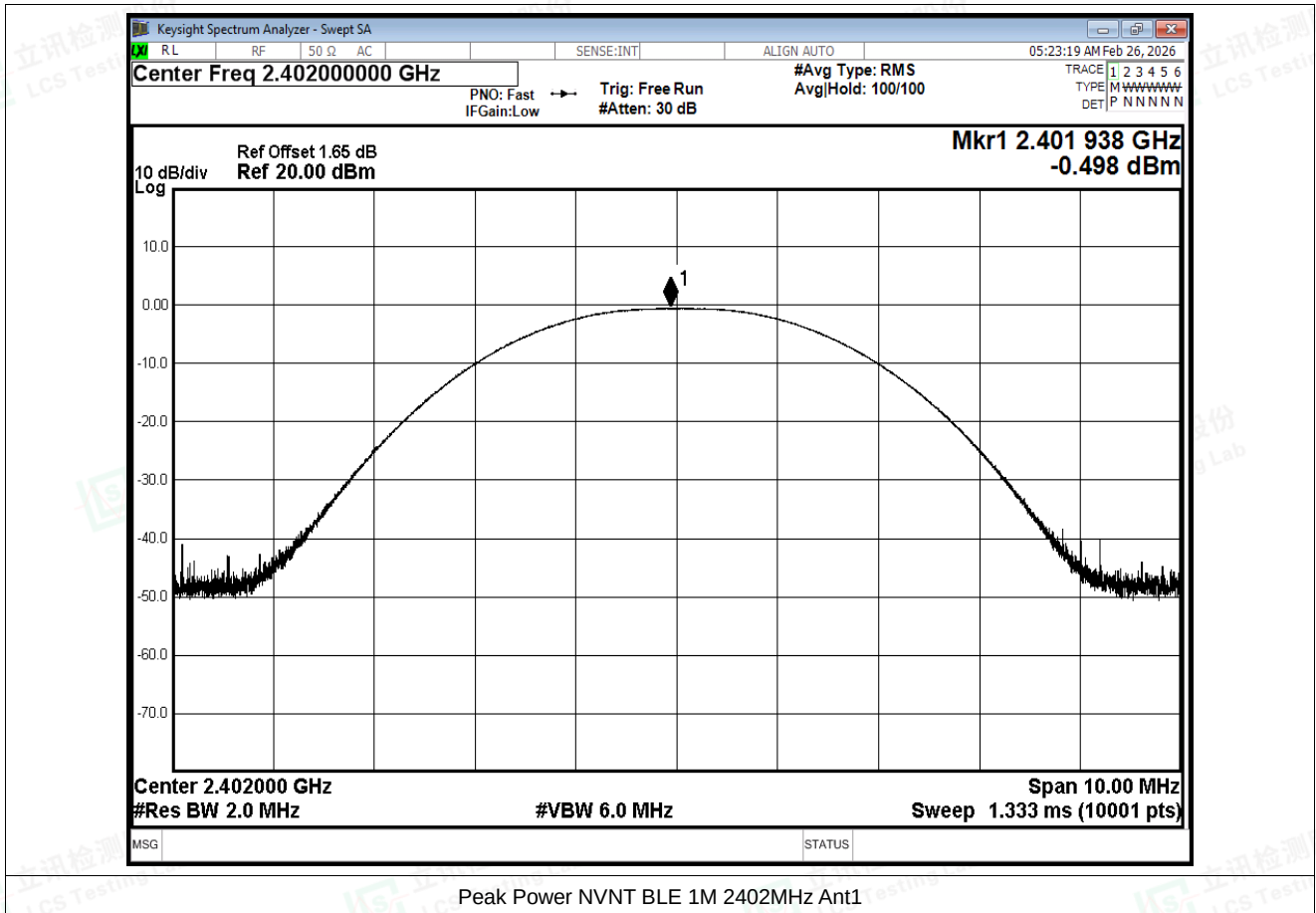


A.2 Maximum Peak Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit Conducted(dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	-0.5	30	Pass
NVNT	BLE 1M	2440	Ant1	2.55	30	Pass
NVNT	BLE 1M	2480	Ant1	1.22	30	Pass



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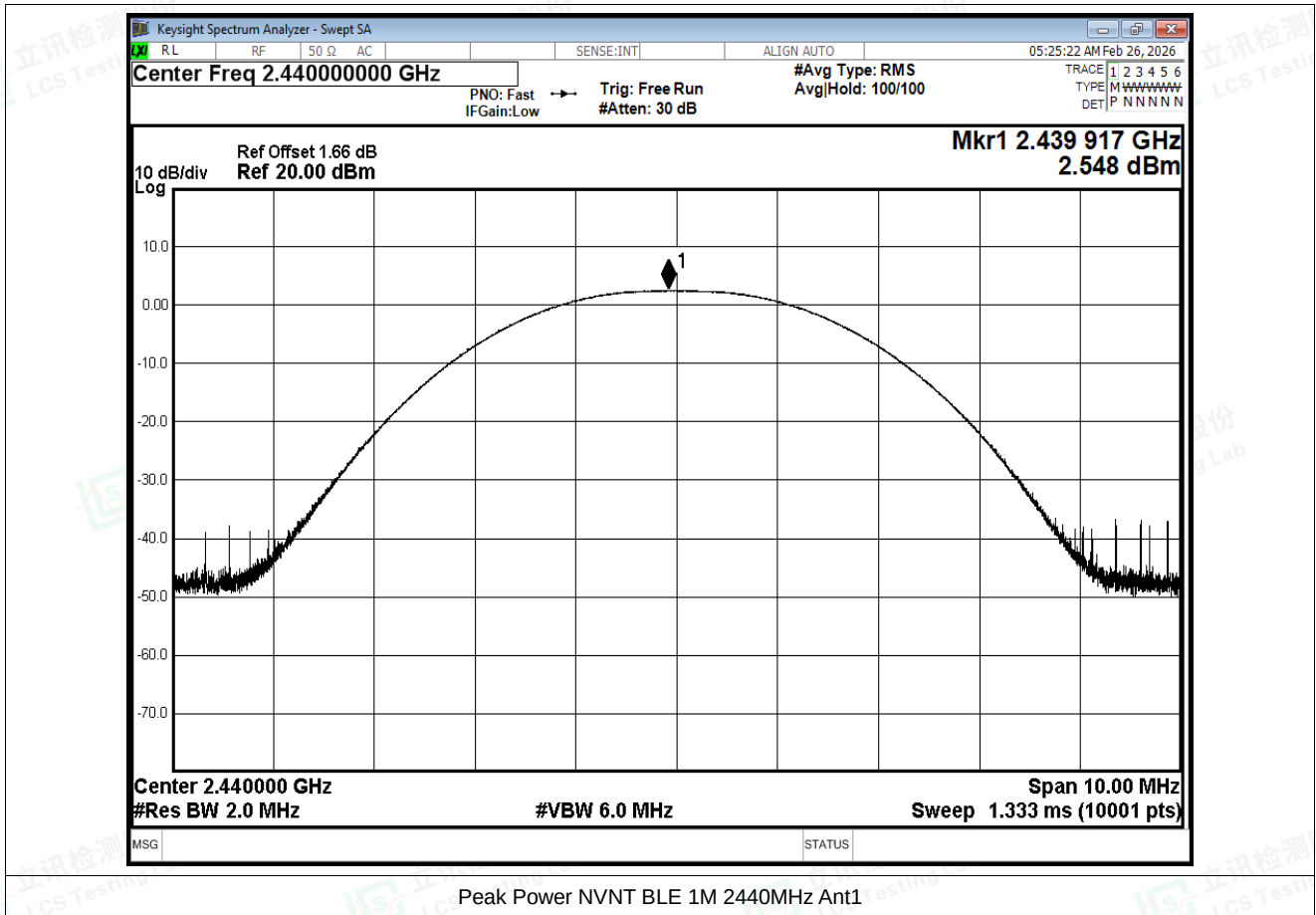


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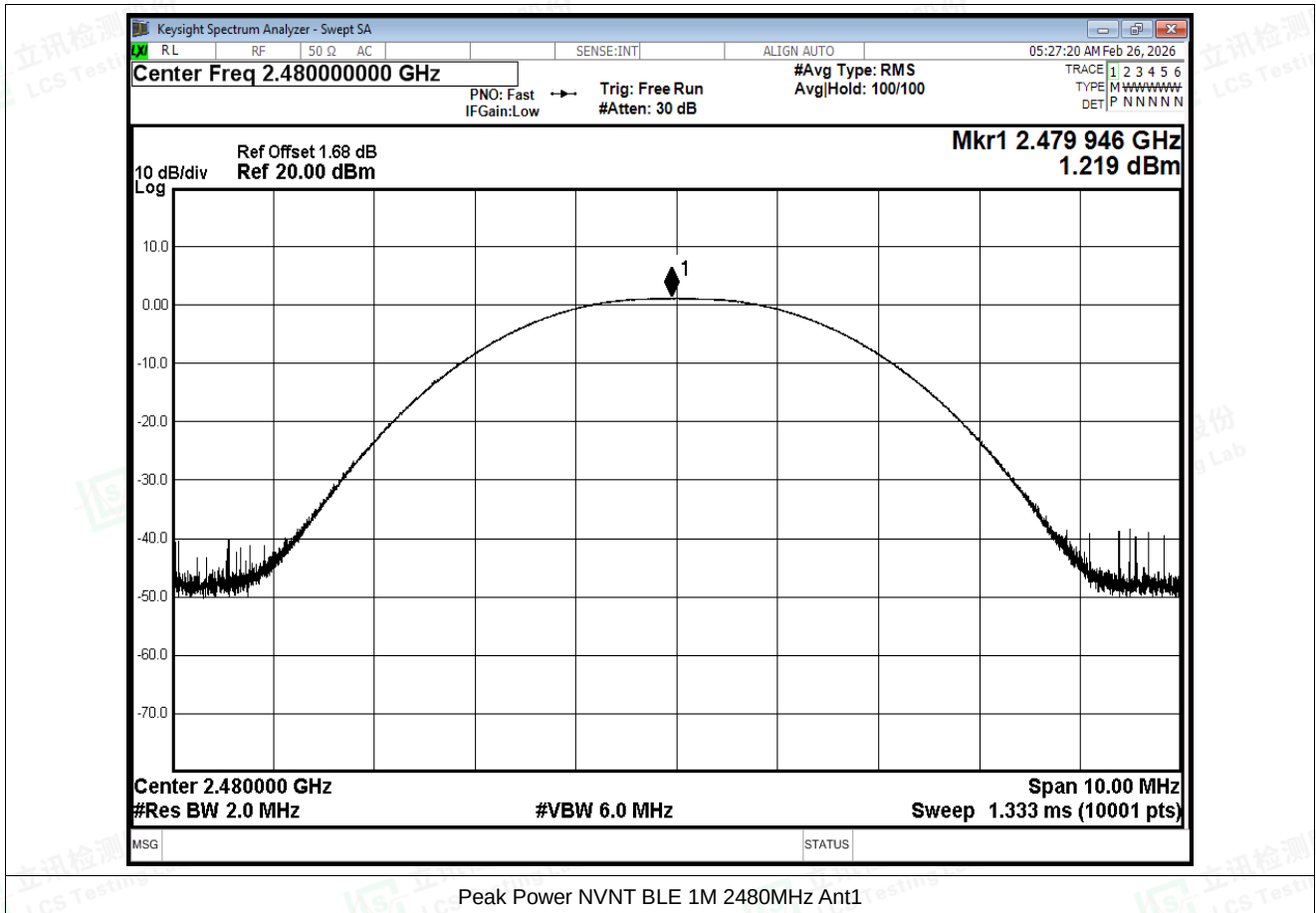


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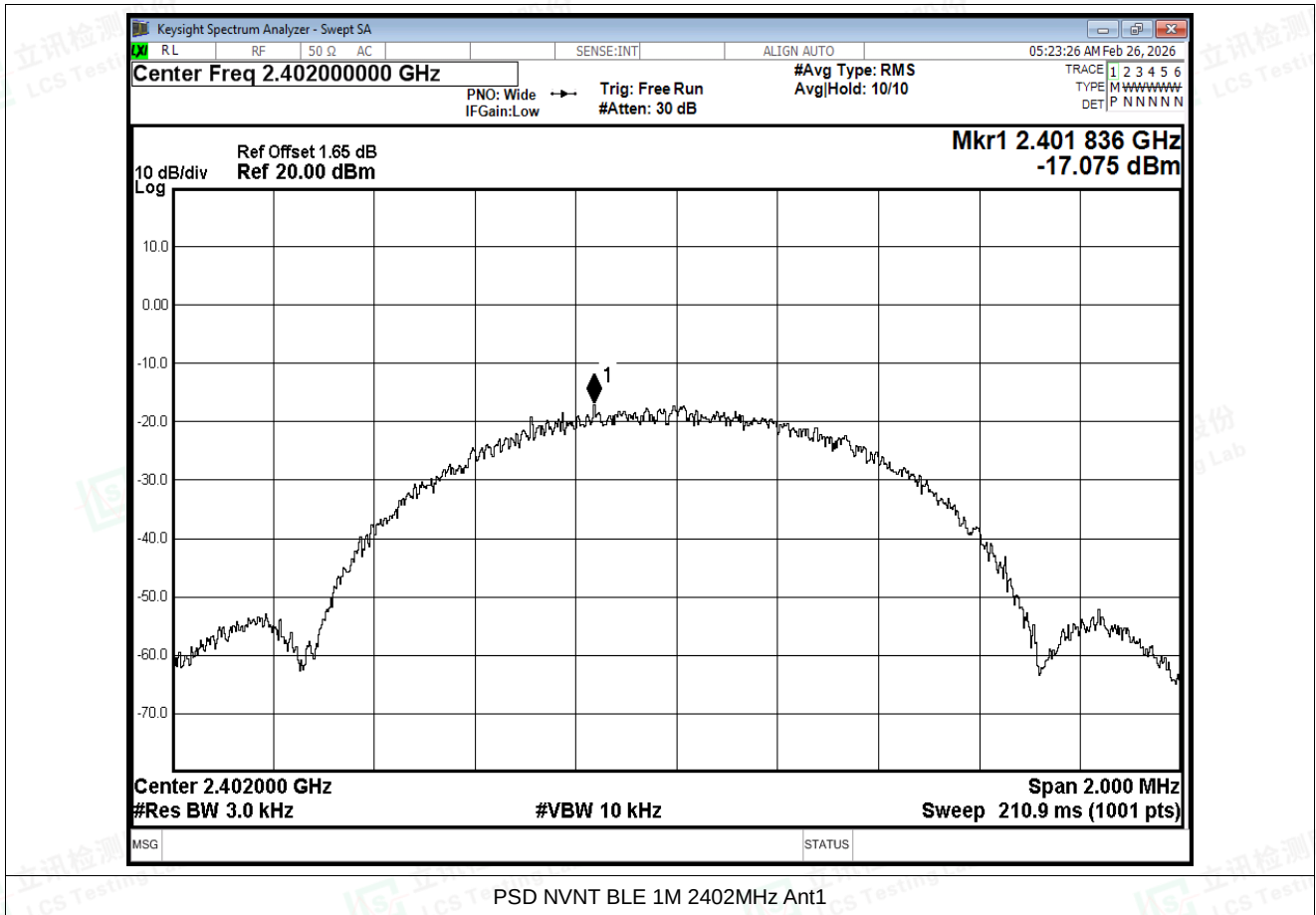


A.3 Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	-17.08	8	Pass
NVNT	BLE 1M	2440	Ant1	-13.84	8	Pass
NVNT	BLE 1M	2480	Ant1	-15.28	8	Pass



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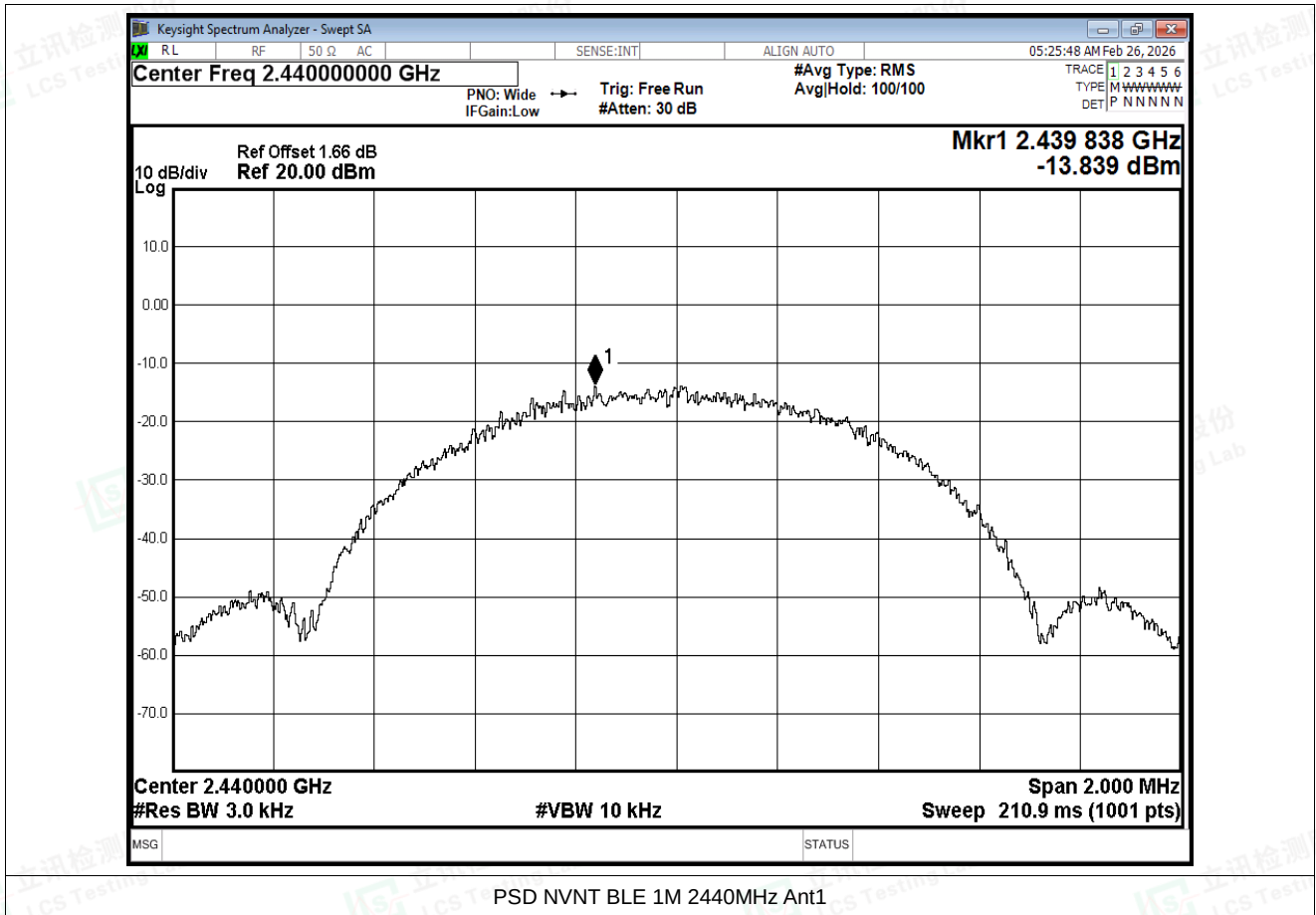


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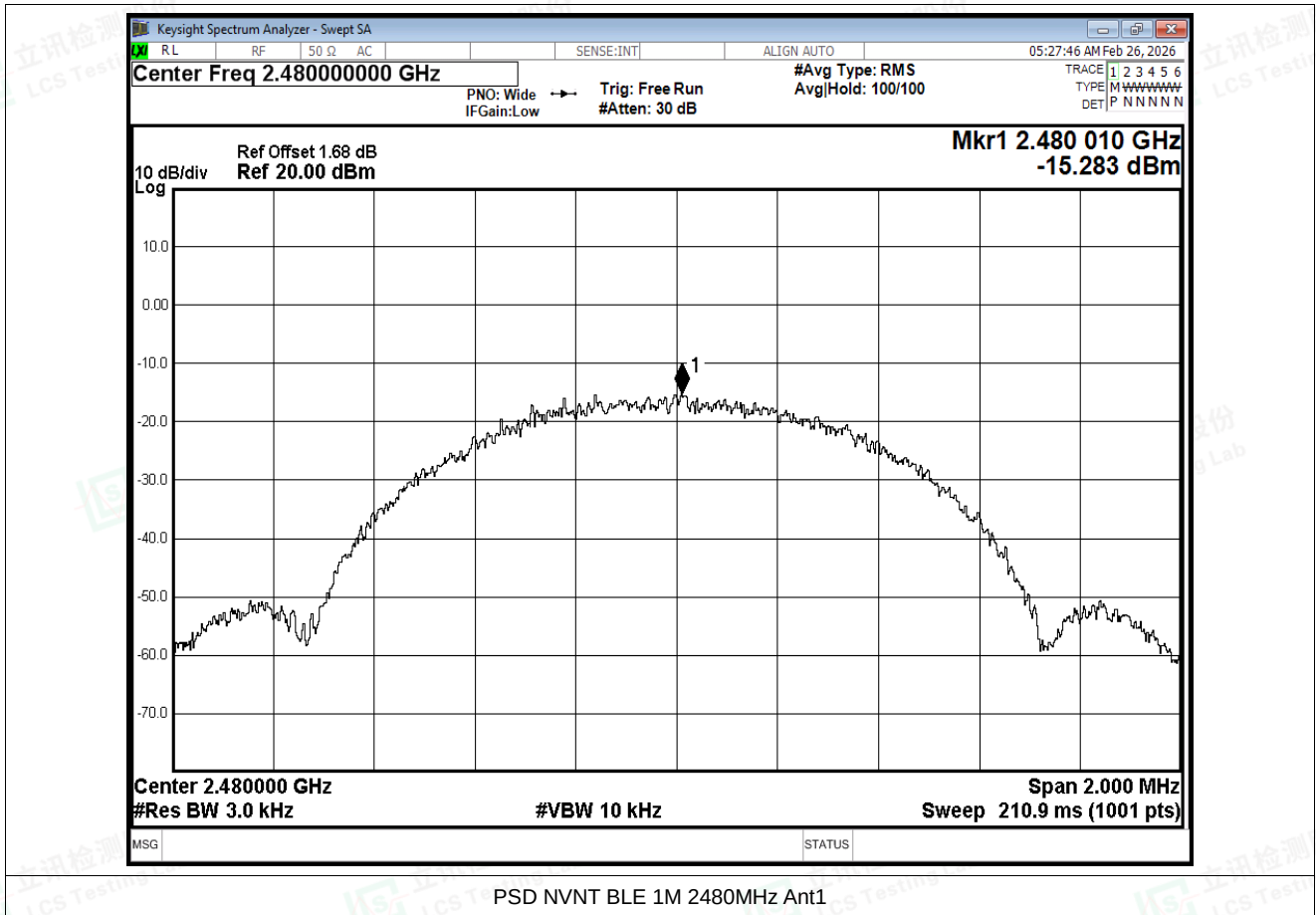


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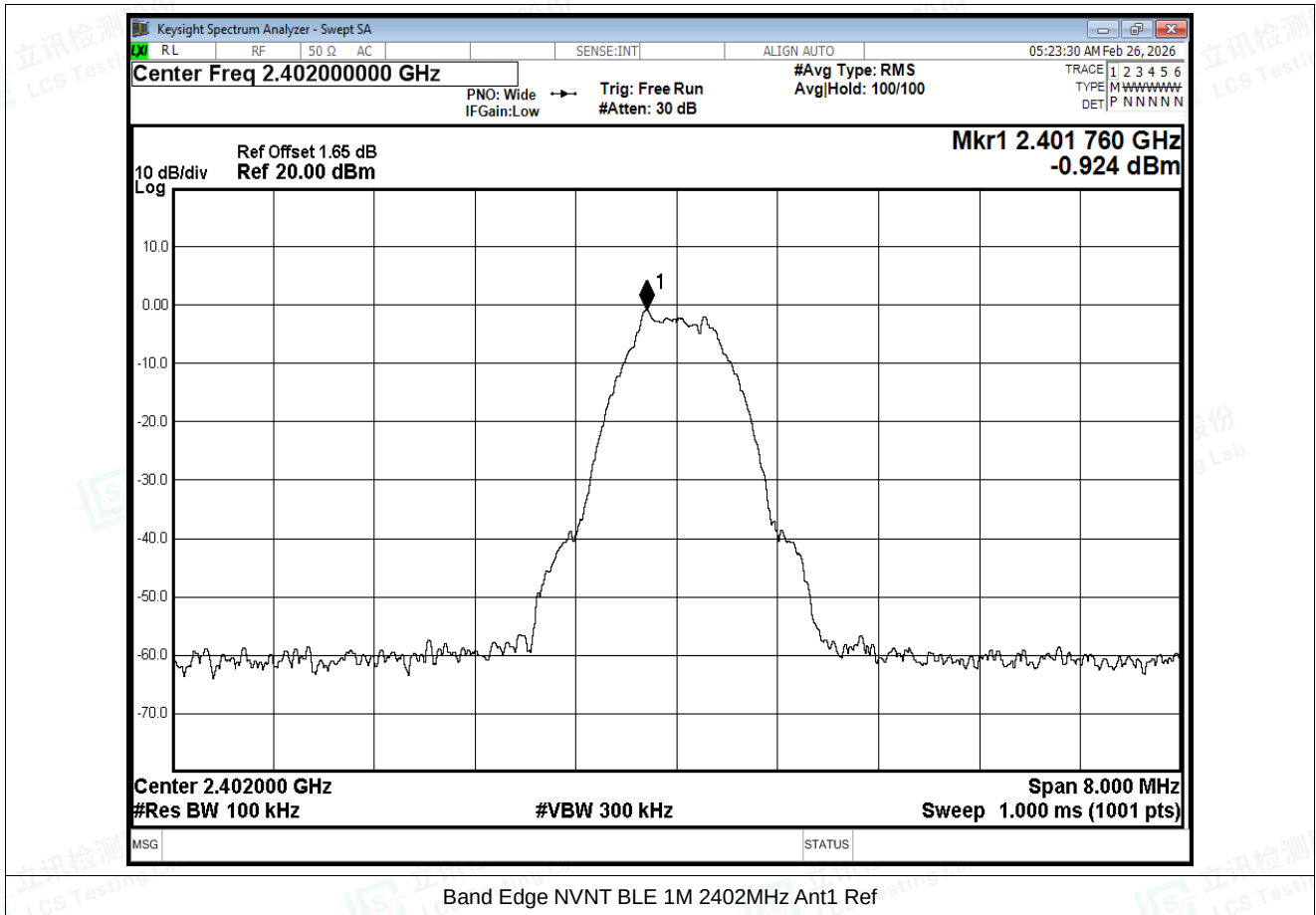
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A.4 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-55.84	-20	Pass
NVNT	BLE 1M	2480	Ant1	-57.92	-20	Pass



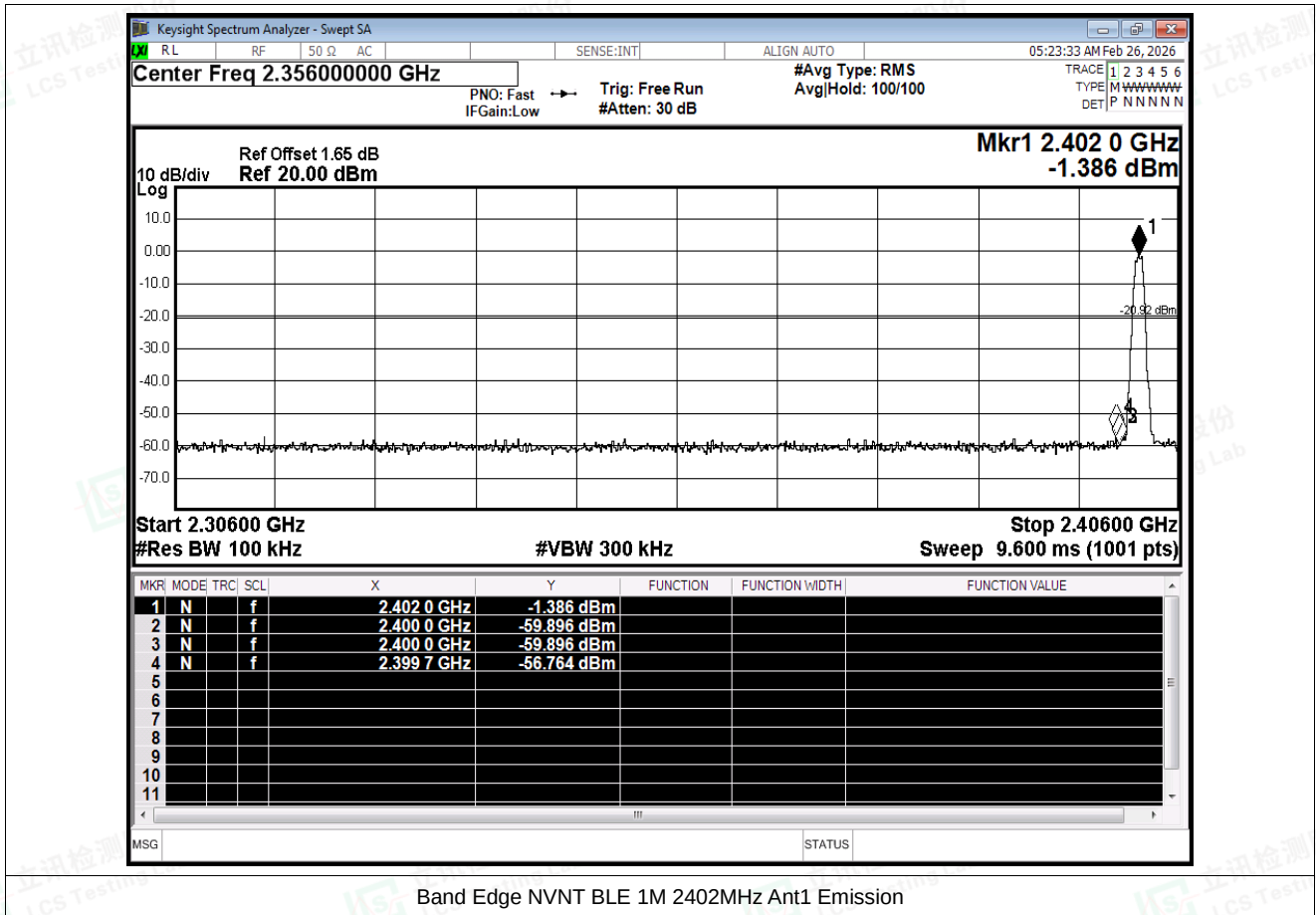


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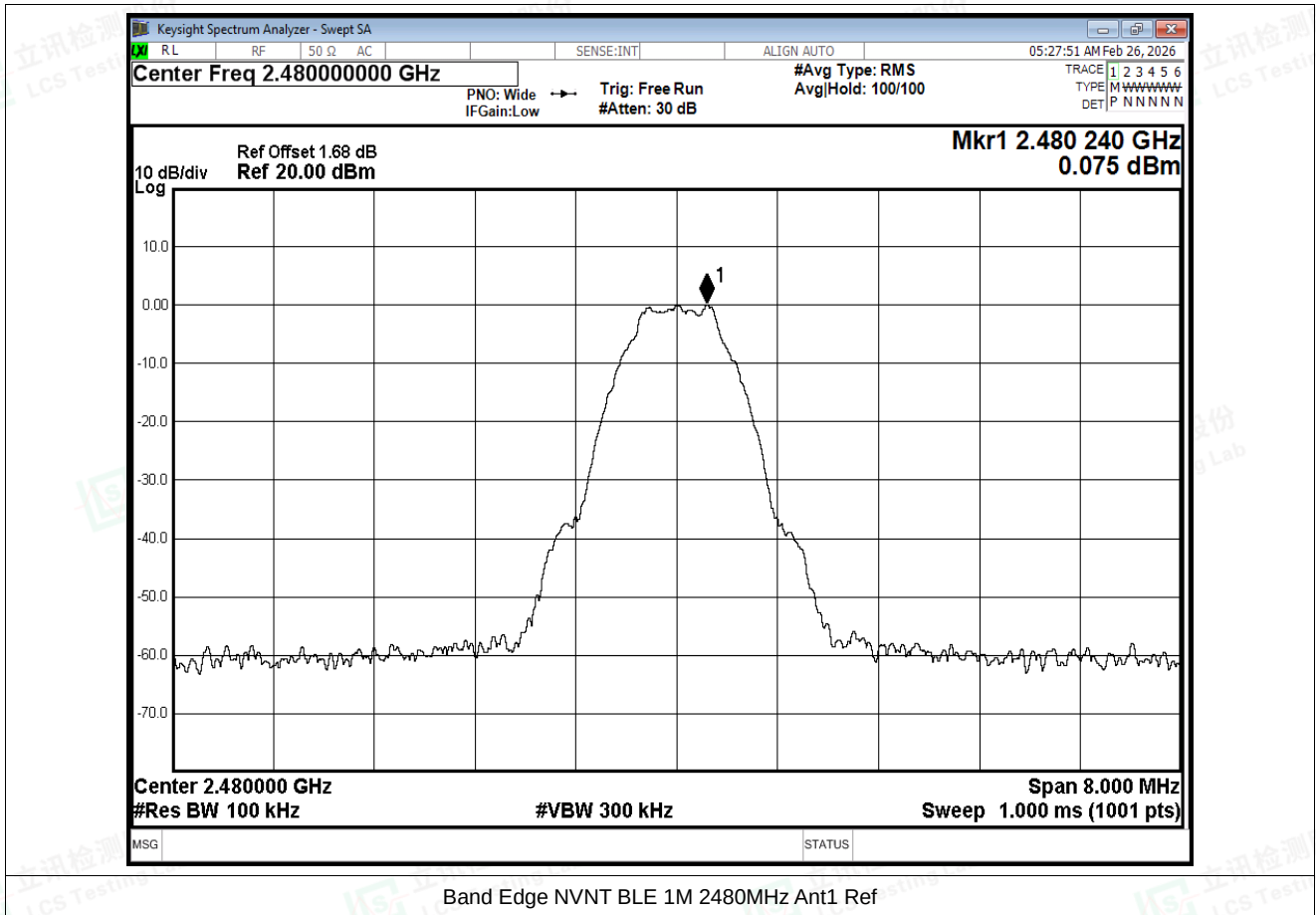


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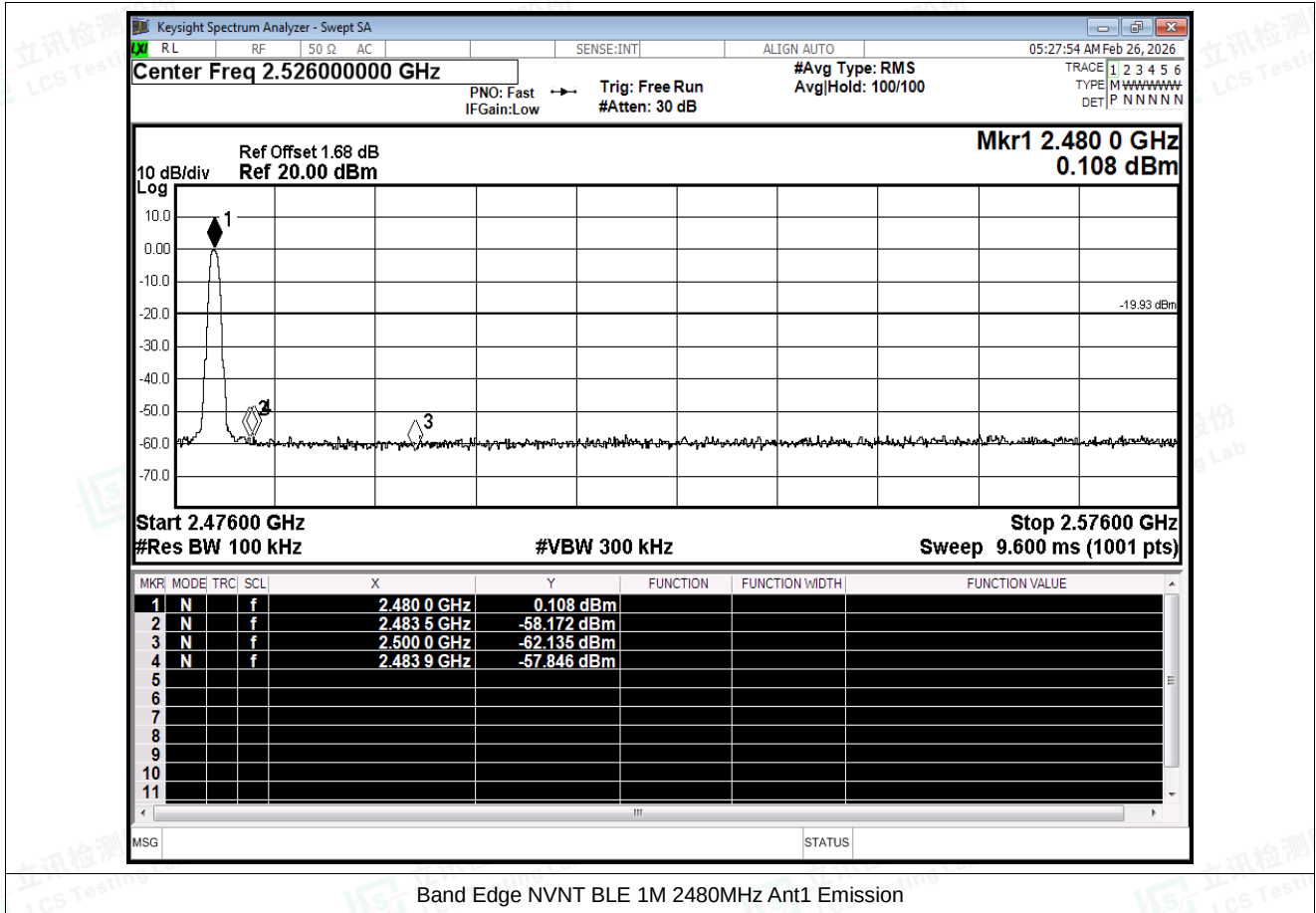


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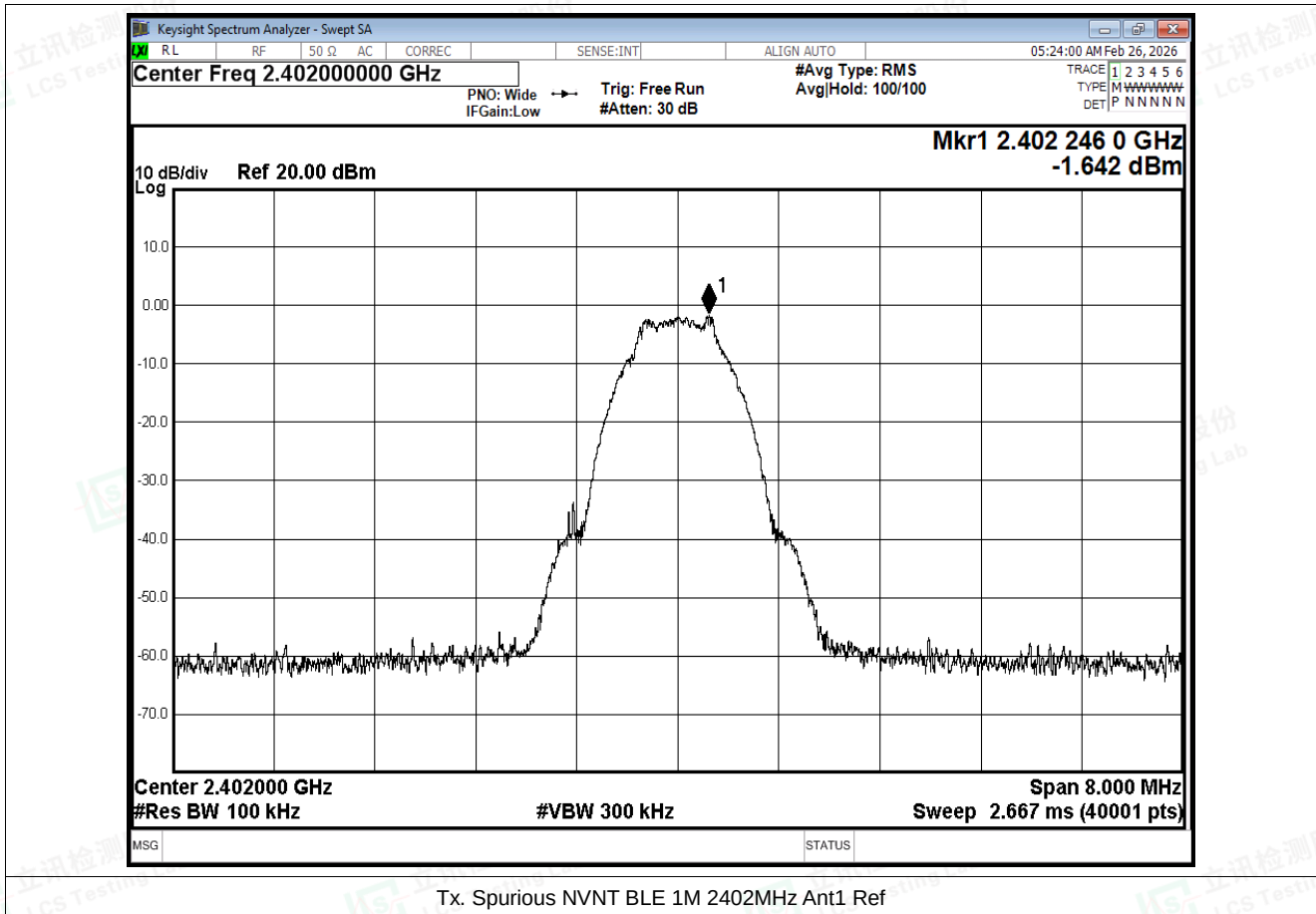


A.5 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-37.6	-20	Pass
NVNT	BLE 1M	2440	Ant1	-41.17	-20	Pass
NVNT	BLE 1M	2480	Ant1	-38.67	-20	Pass



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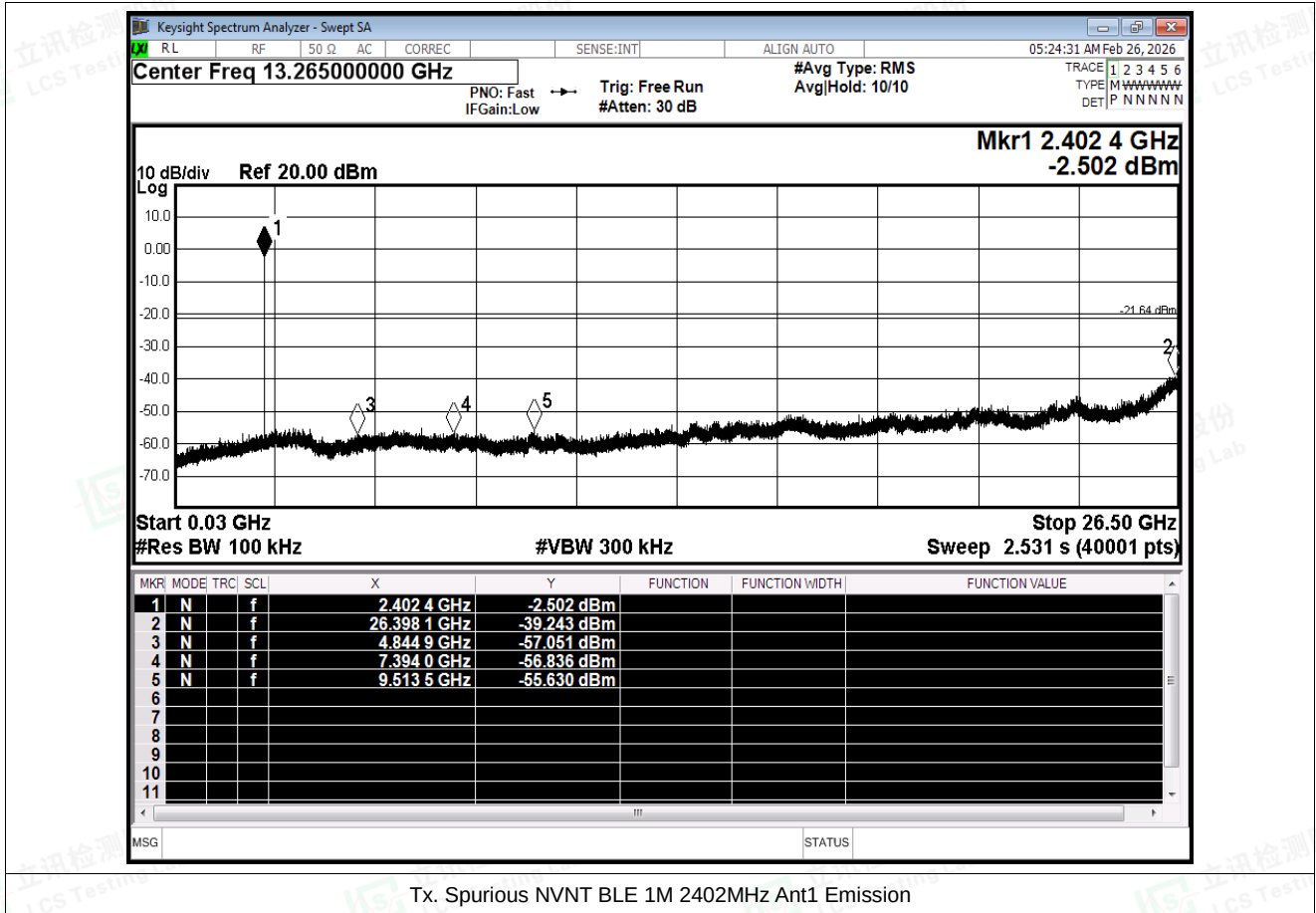


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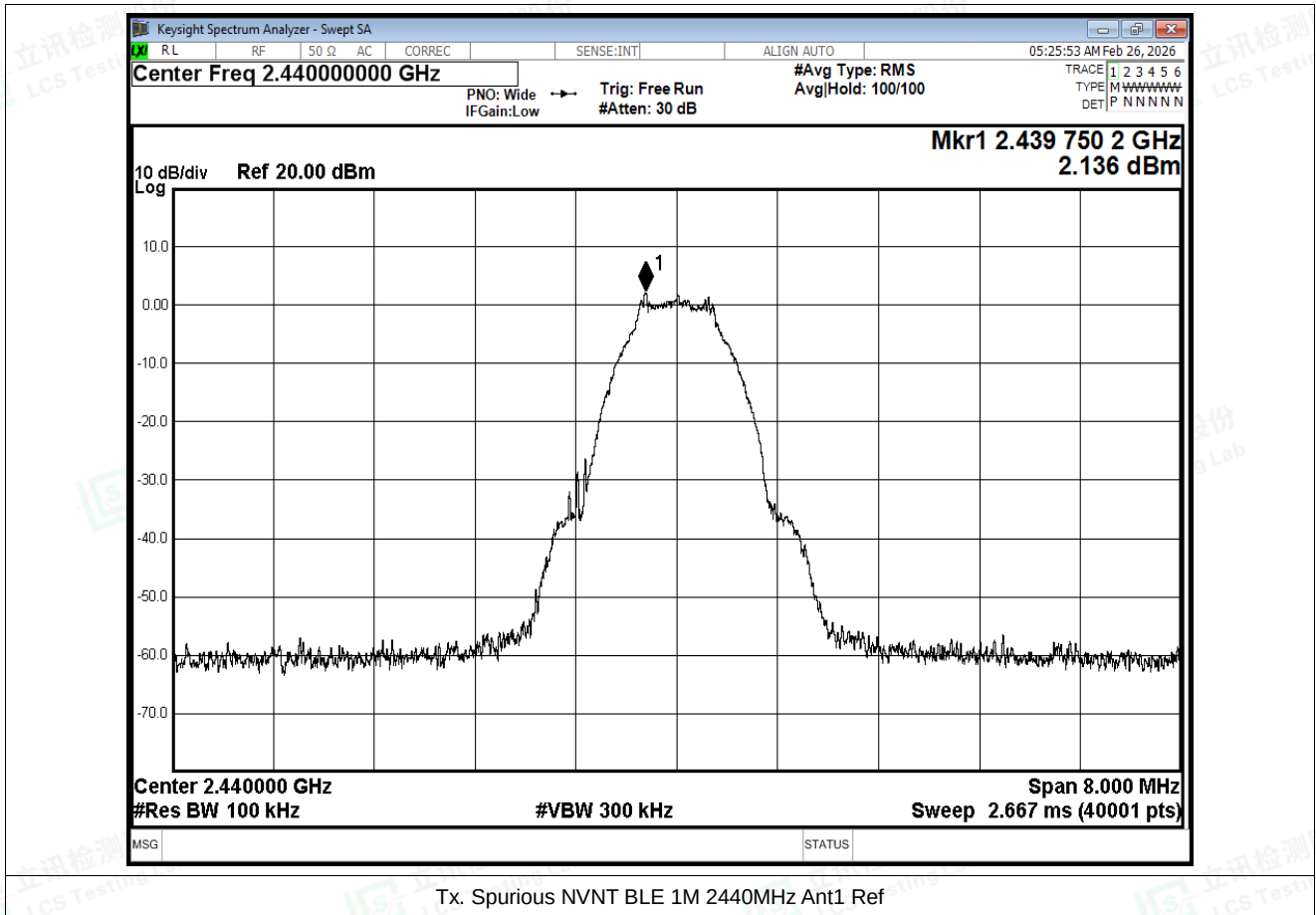


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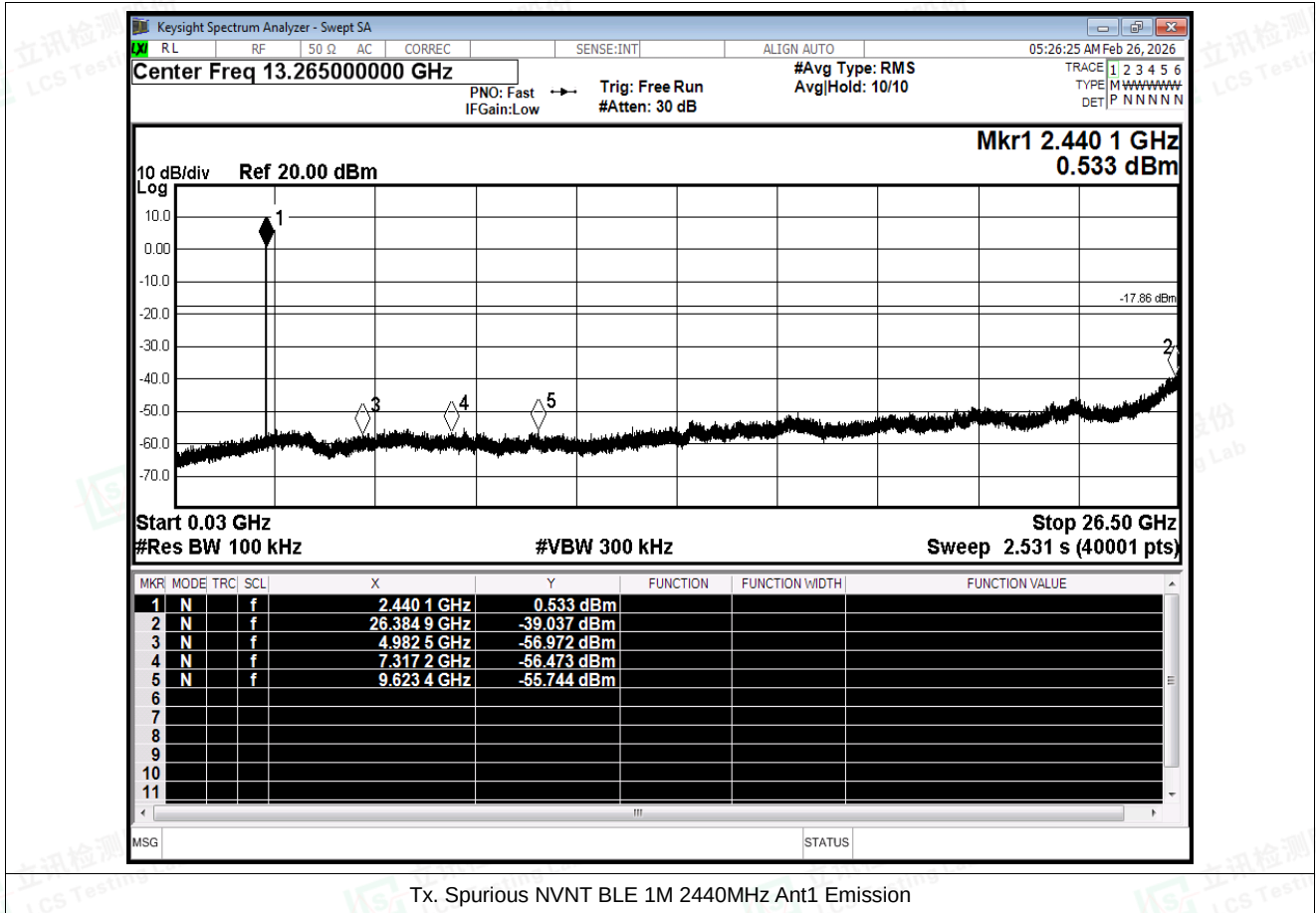


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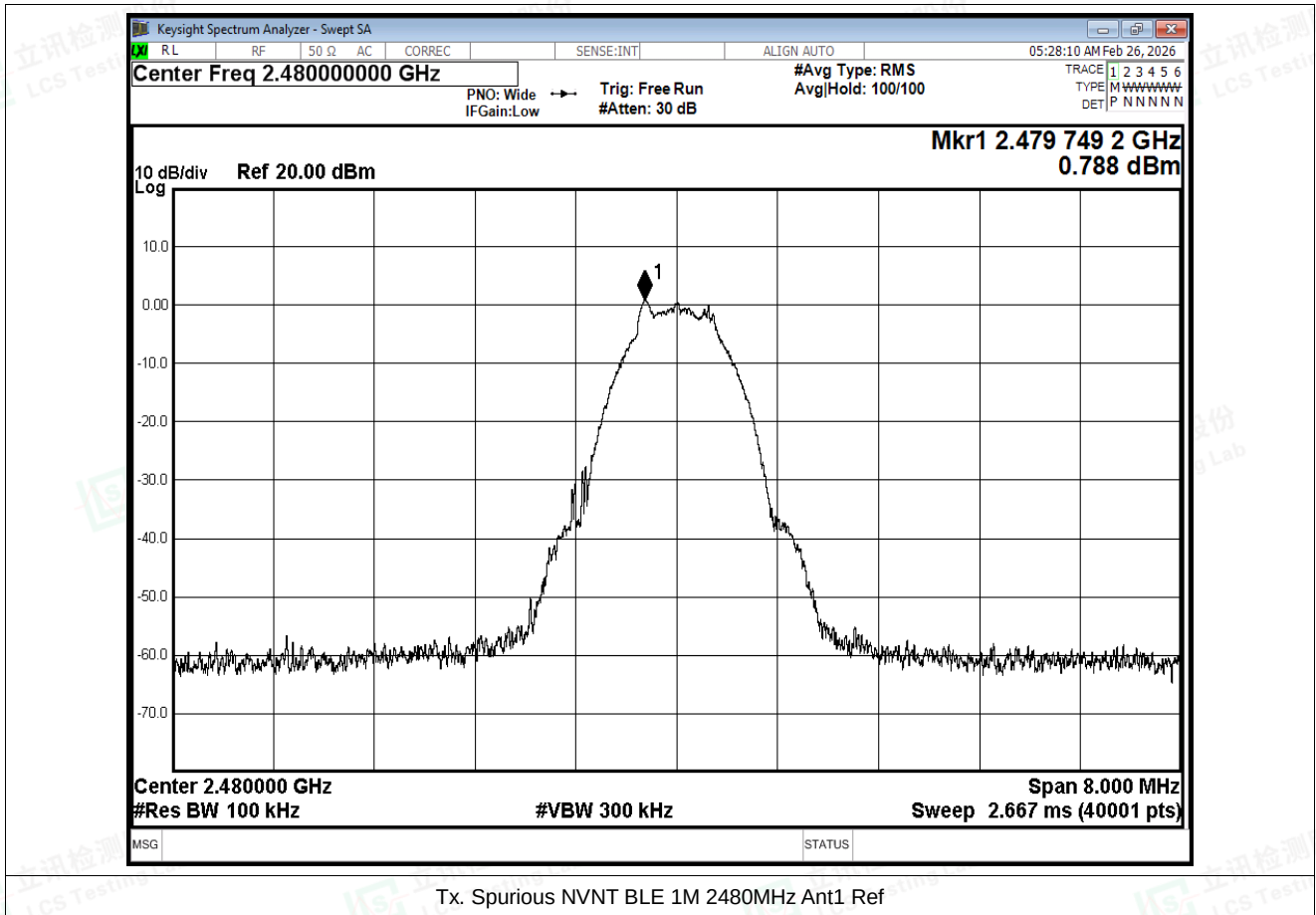


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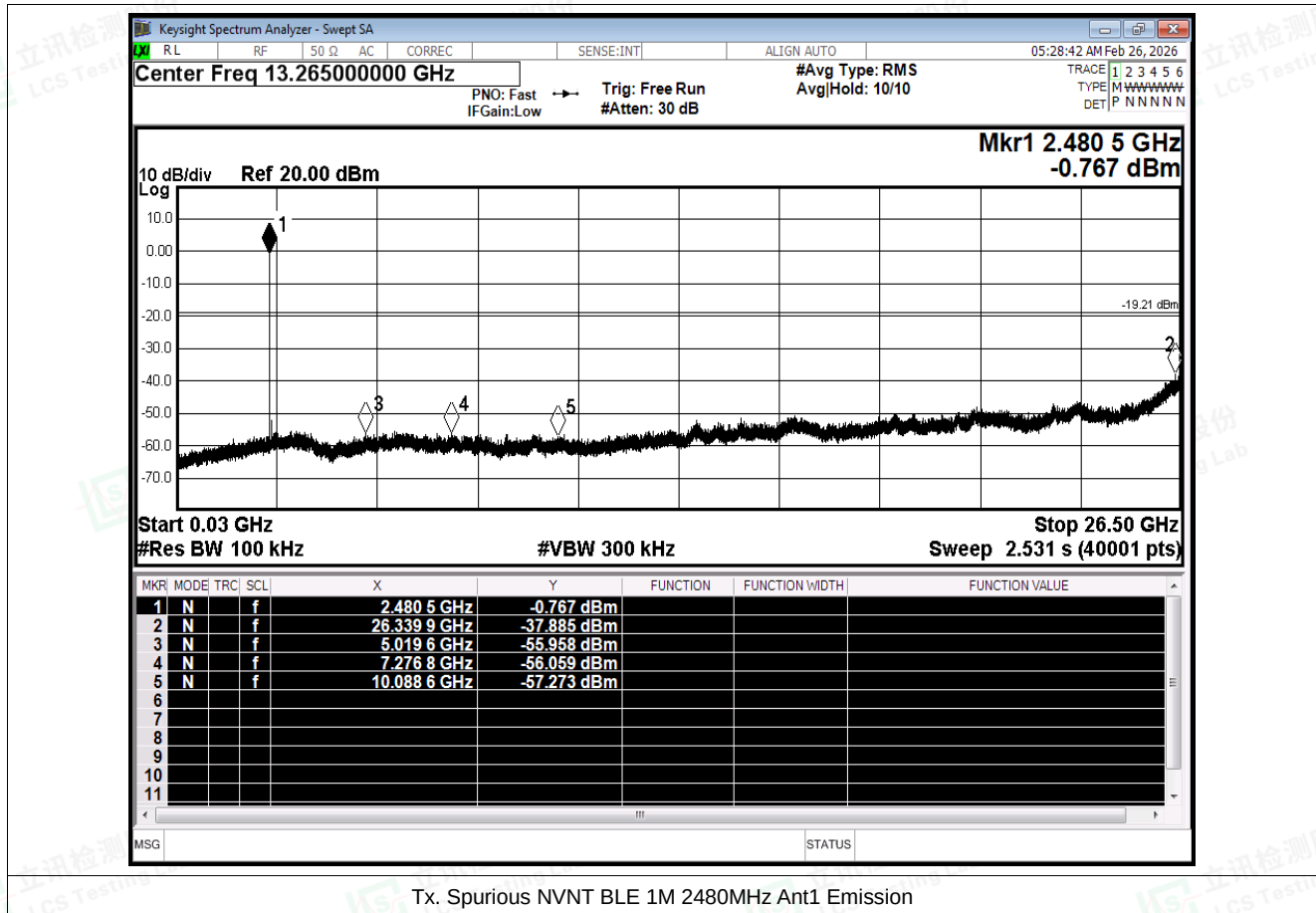


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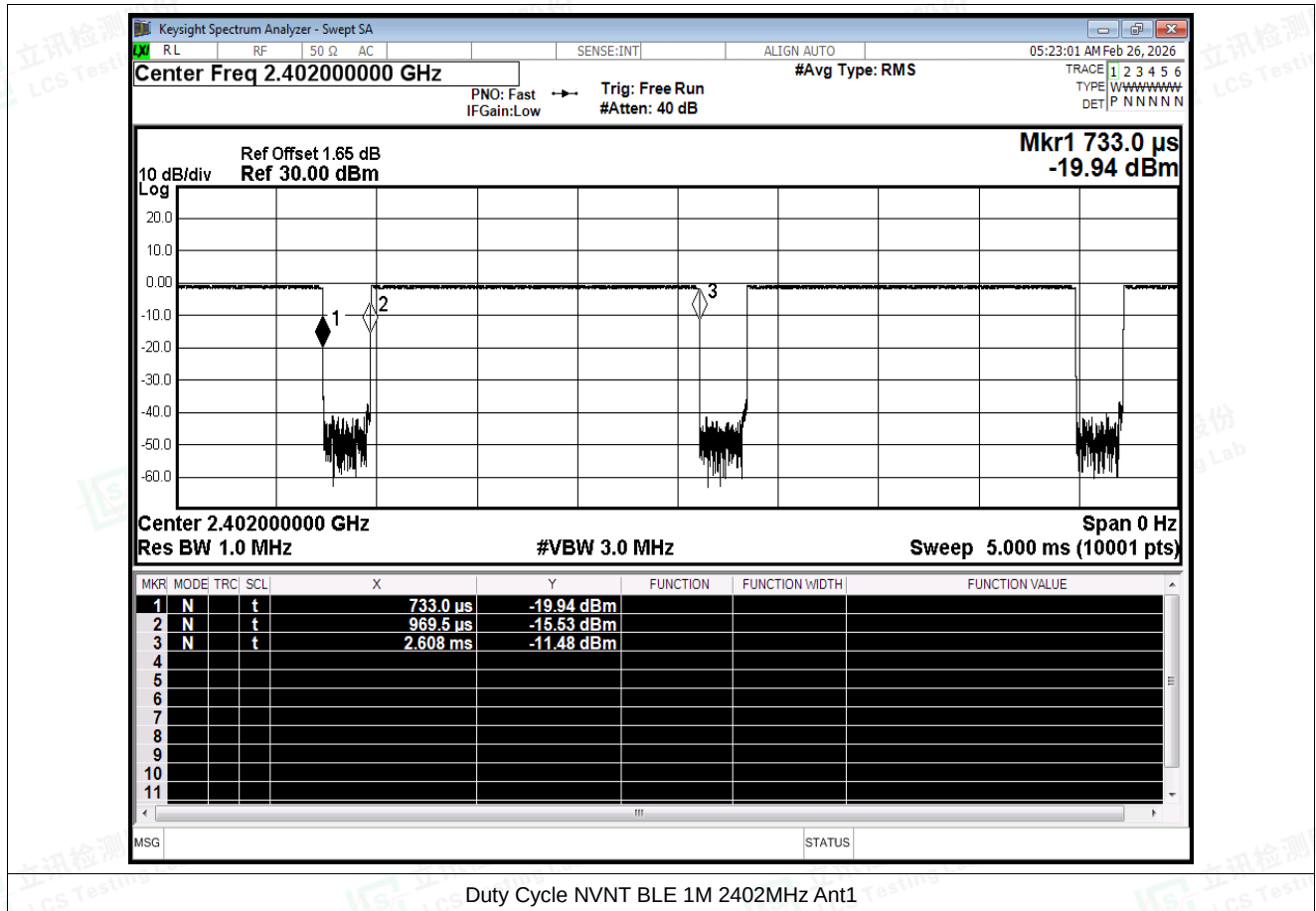
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A.6 Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	87.39	0.59	0.61
NVNT	BLE 1M	2440	Ant1	87.39	0.59	0.61
NVNT	BLE 1M	2480	Ant1	87.39	0.59	0.61



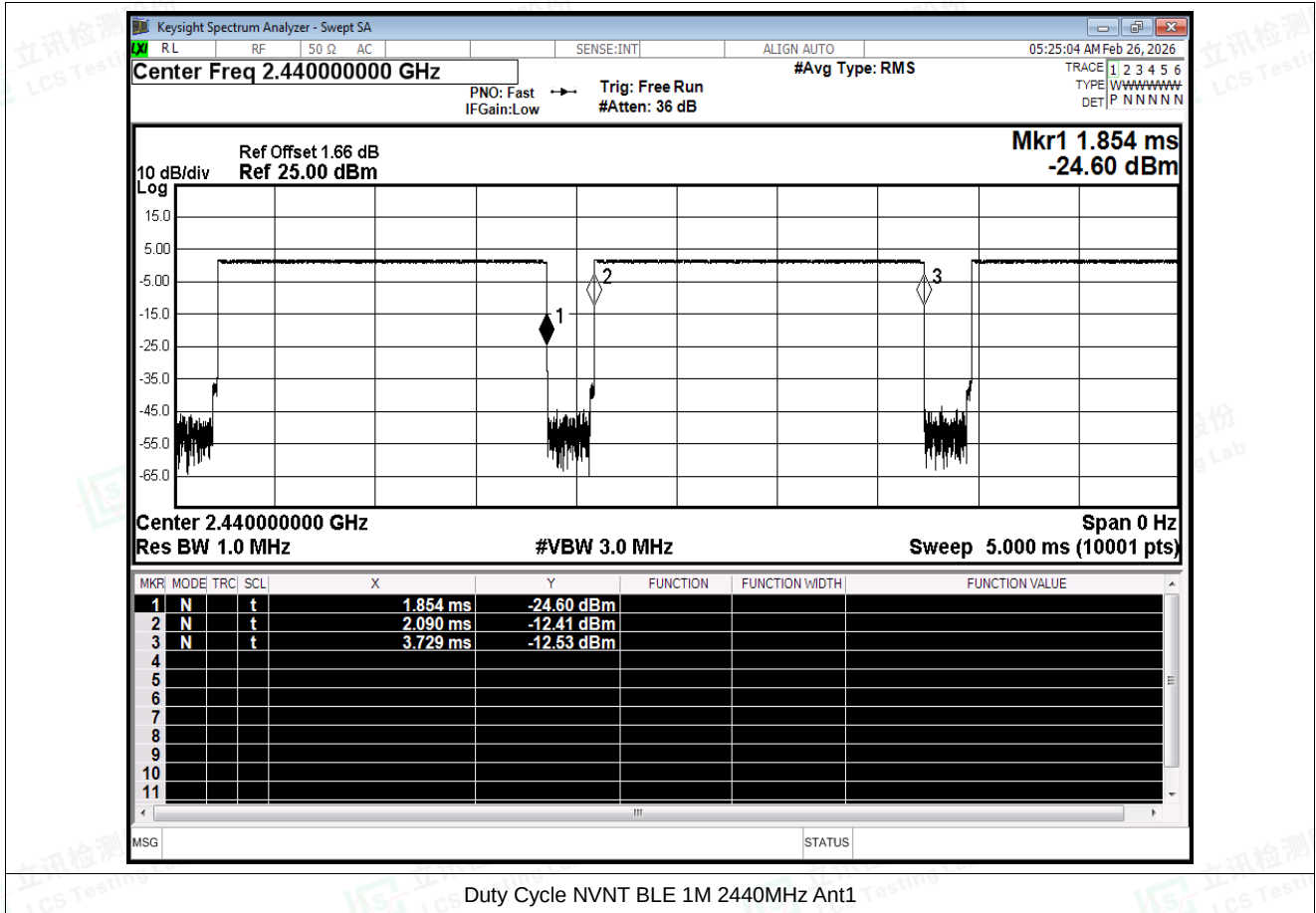


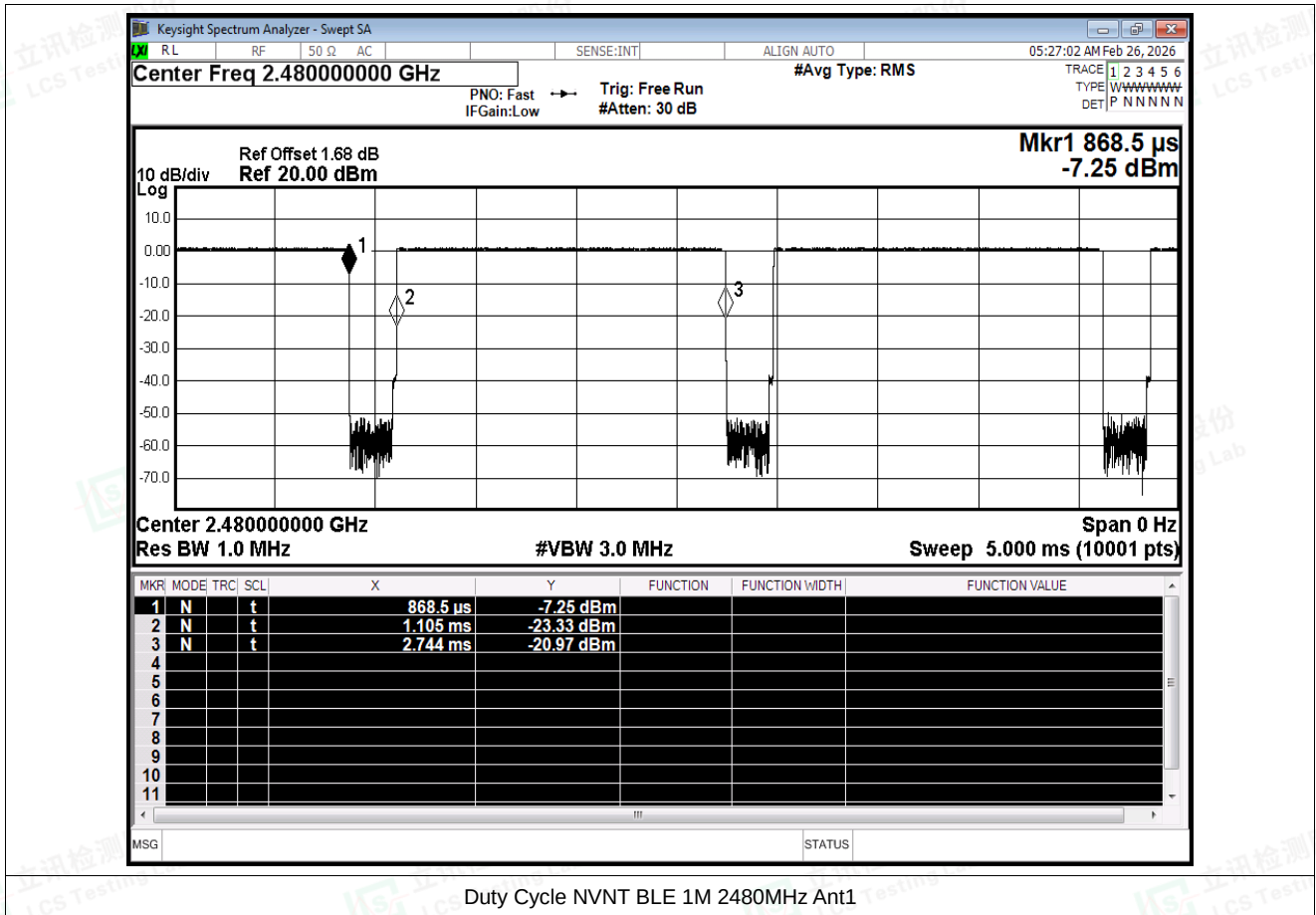
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A.7 Restrict Band

Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	BLE 1M	2402	Ant1	2310	-50.01	2	47.25	Peak	74	Pass
NVNT	BLE 1M	2402	Ant1	2310	-57.97	2	39.29	Average	54	Pass
NVNT	BLE 1M	2402	Ant1	2313.648	-48.05	2	49.21	Peak	74	Pass
NVNT	BLE 1M	2402	Ant1	2311.44	-57.7	2	39.56	Average	54	Pass
NVNT	BLE 1M	2402	Ant1	2390	-51.83	2	45.43	Peak	74	Pass
NVNT	BLE 1M	2402	Ant1	2390	-58	2	39.26	Average	54	Pass
NVNT	BLE 1M	2480	Ant1	2483.5	-50.27	2	46.99	Peak	74	Pass
NVNT	BLE 1M	2480	Ant1	2483.5	-54.93	2	42.33	Average	54	Pass
NVNT	BLE 1M	2480	Ant1	2484.448	-43.73	2	53.53	Peak	74	Pass
NVNT	BLE 1M	2480	Ant1	2483.512	-54.93	2	42.33	Average	54	Pass
NVNT	BLE 1M	2480	Ant1	2500	-50.63	2	46.63	Peak	74	Pass
NVNT	BLE 1M	2480	Ant1	2500	-57.7	2	39.56	Average	54	Pass

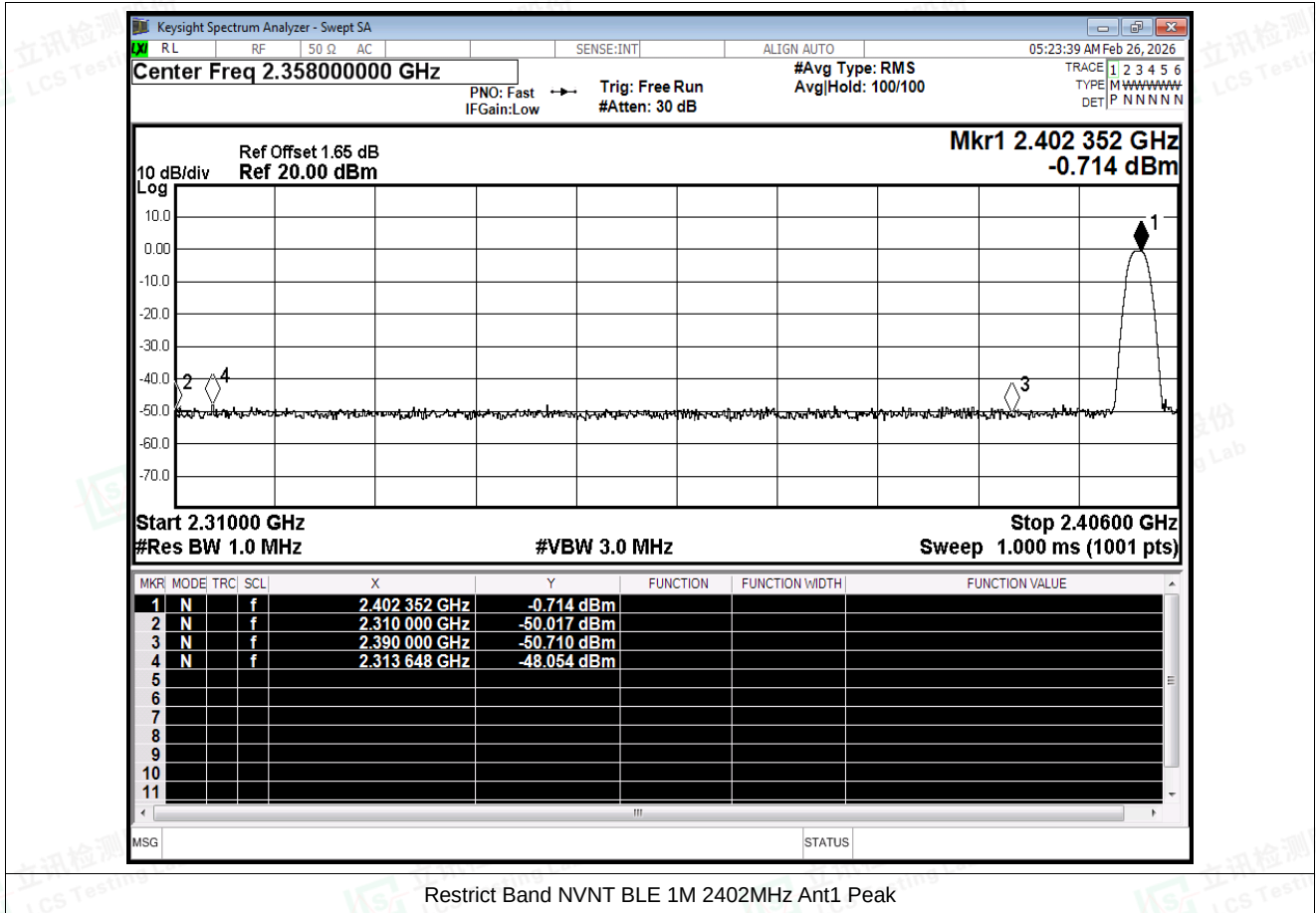


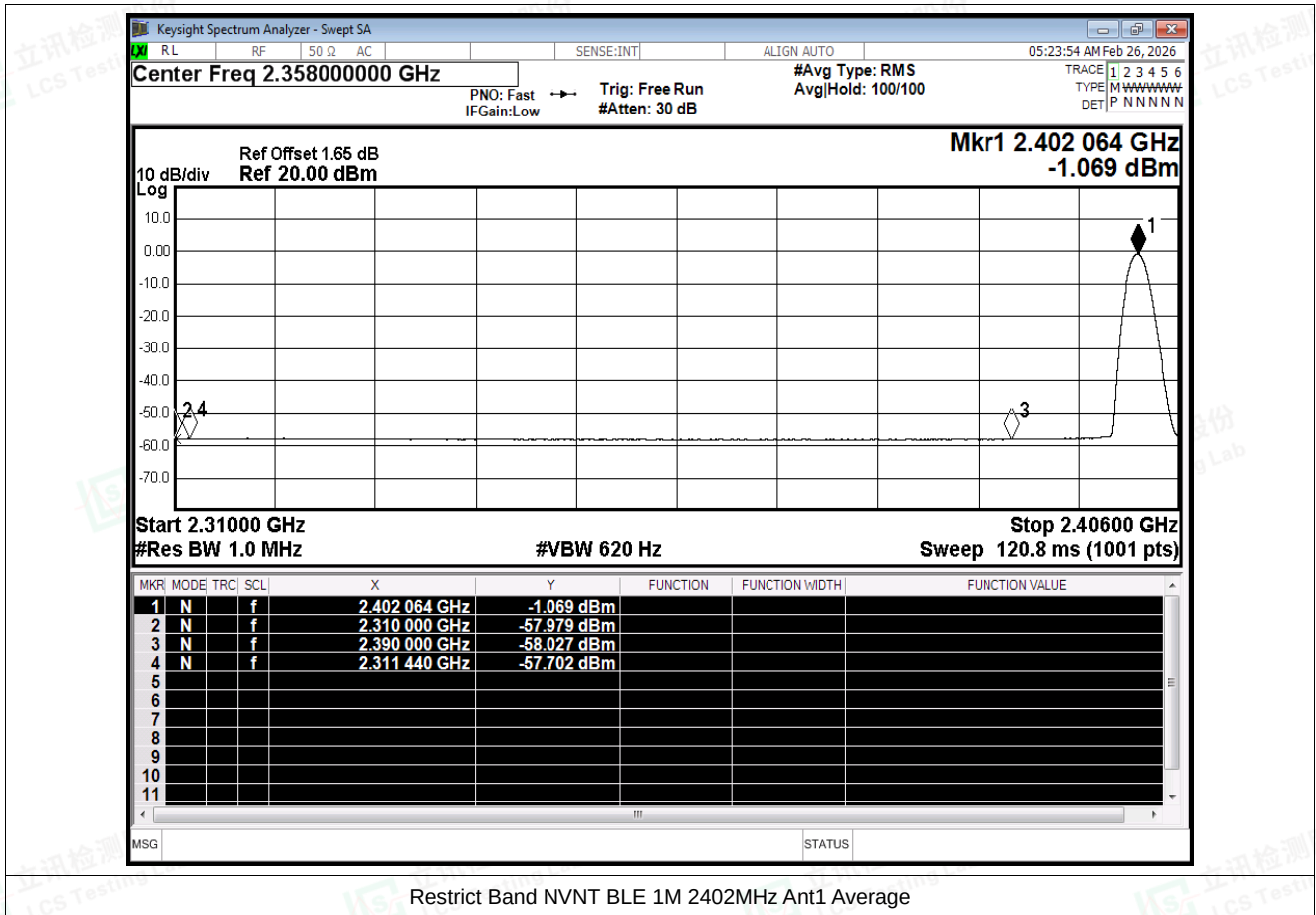
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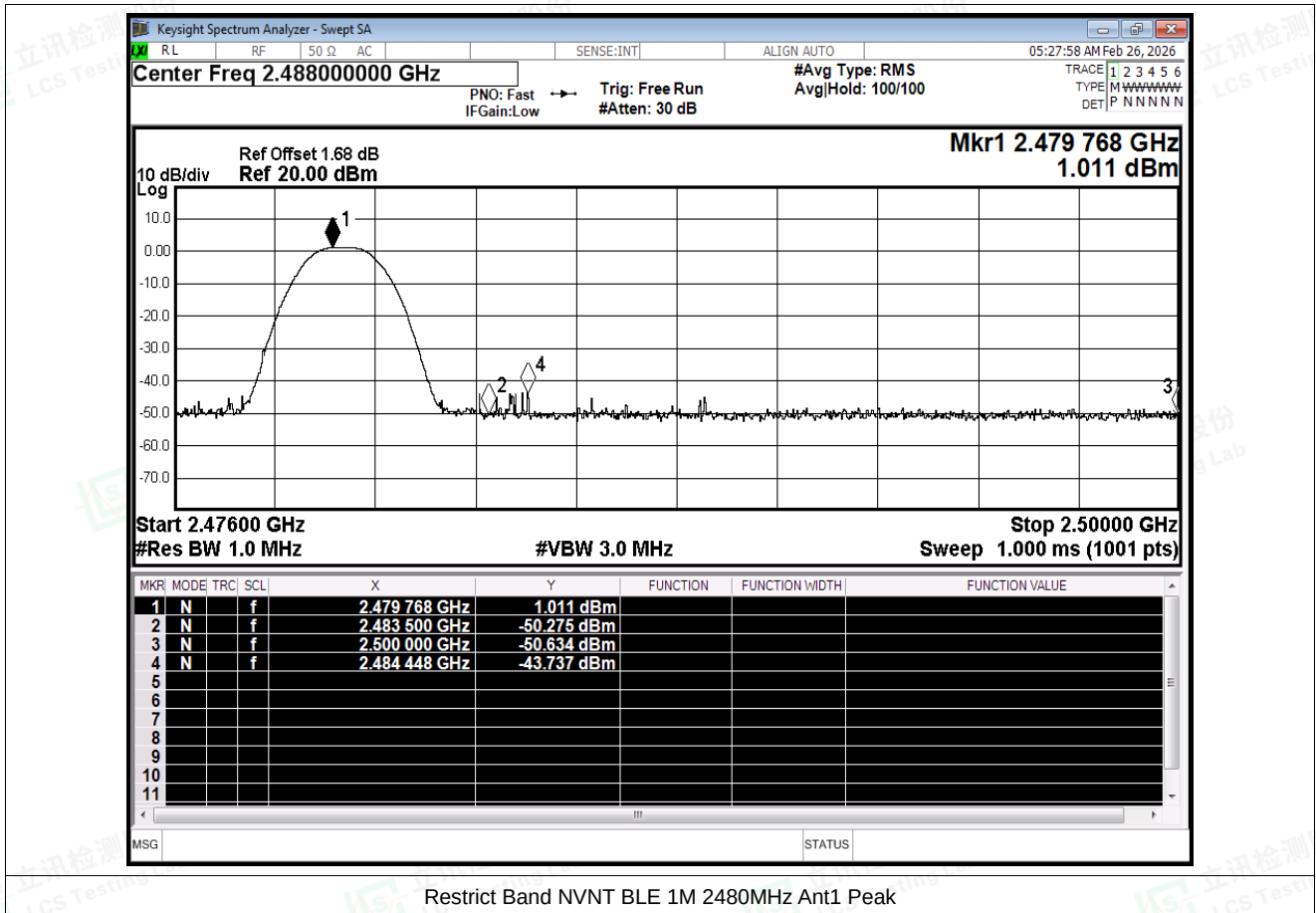


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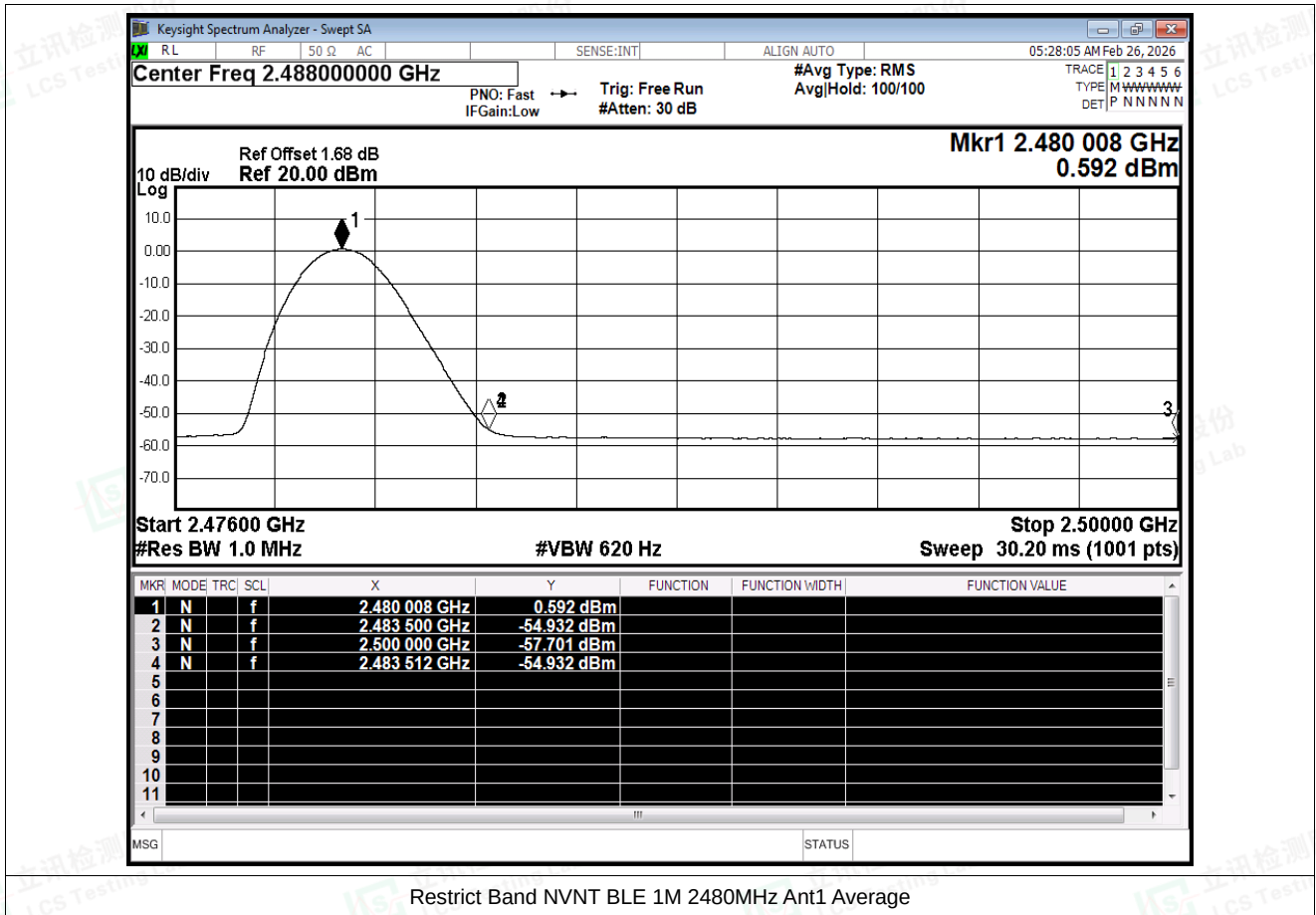


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