



Appendix A

RF Test Data for BT LE (Conducted Measurement)

Product Name: Electric Compressor Comprehensive Tester

Test Model: ECP739

Environmental Conditions

Temperature:	24.1°C
Relative Humidity:	53.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Jerry Chu
Supervised by:	Can Kun



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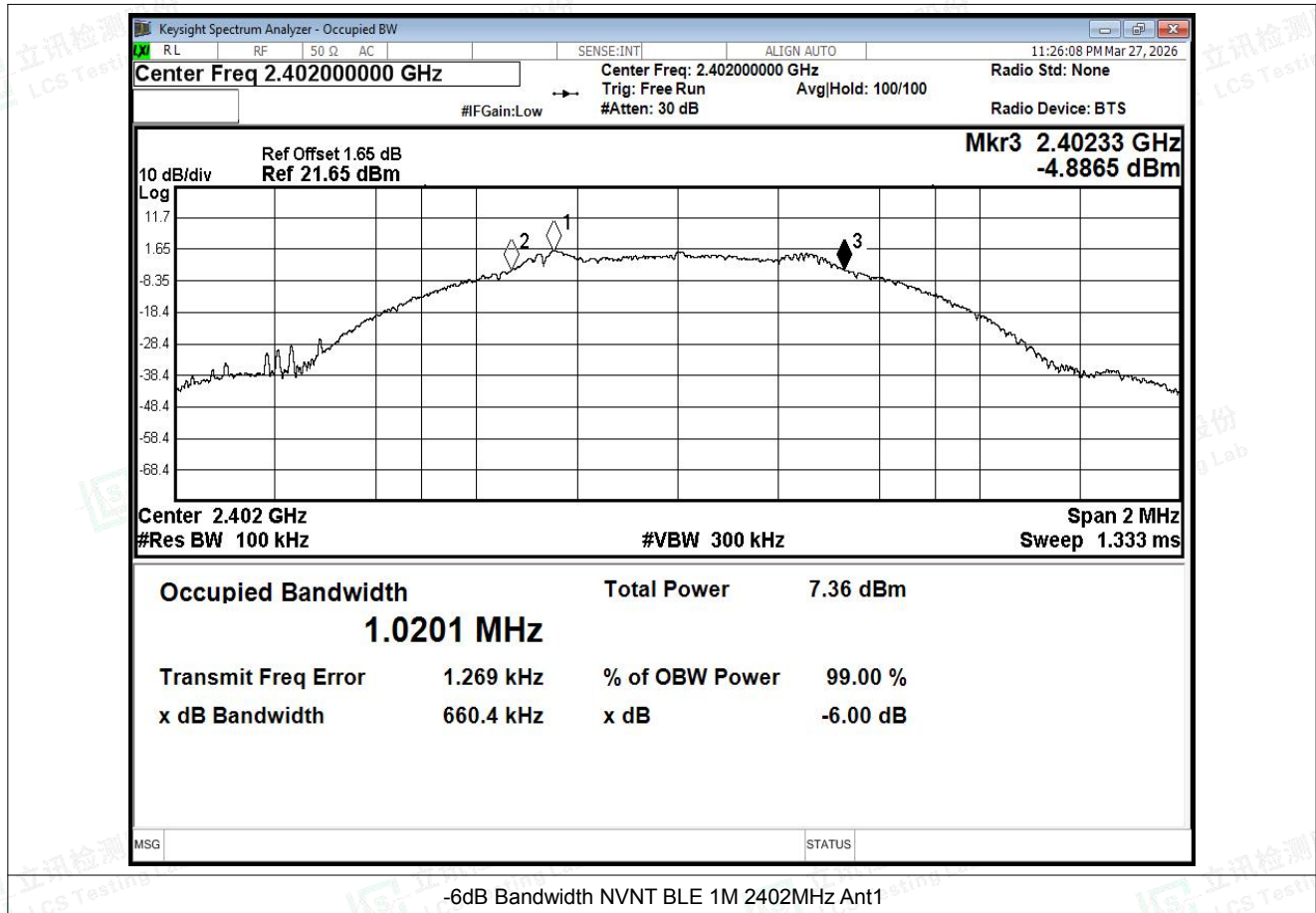


A.1 -6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.6604	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.6554	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.663	0.5	Pass



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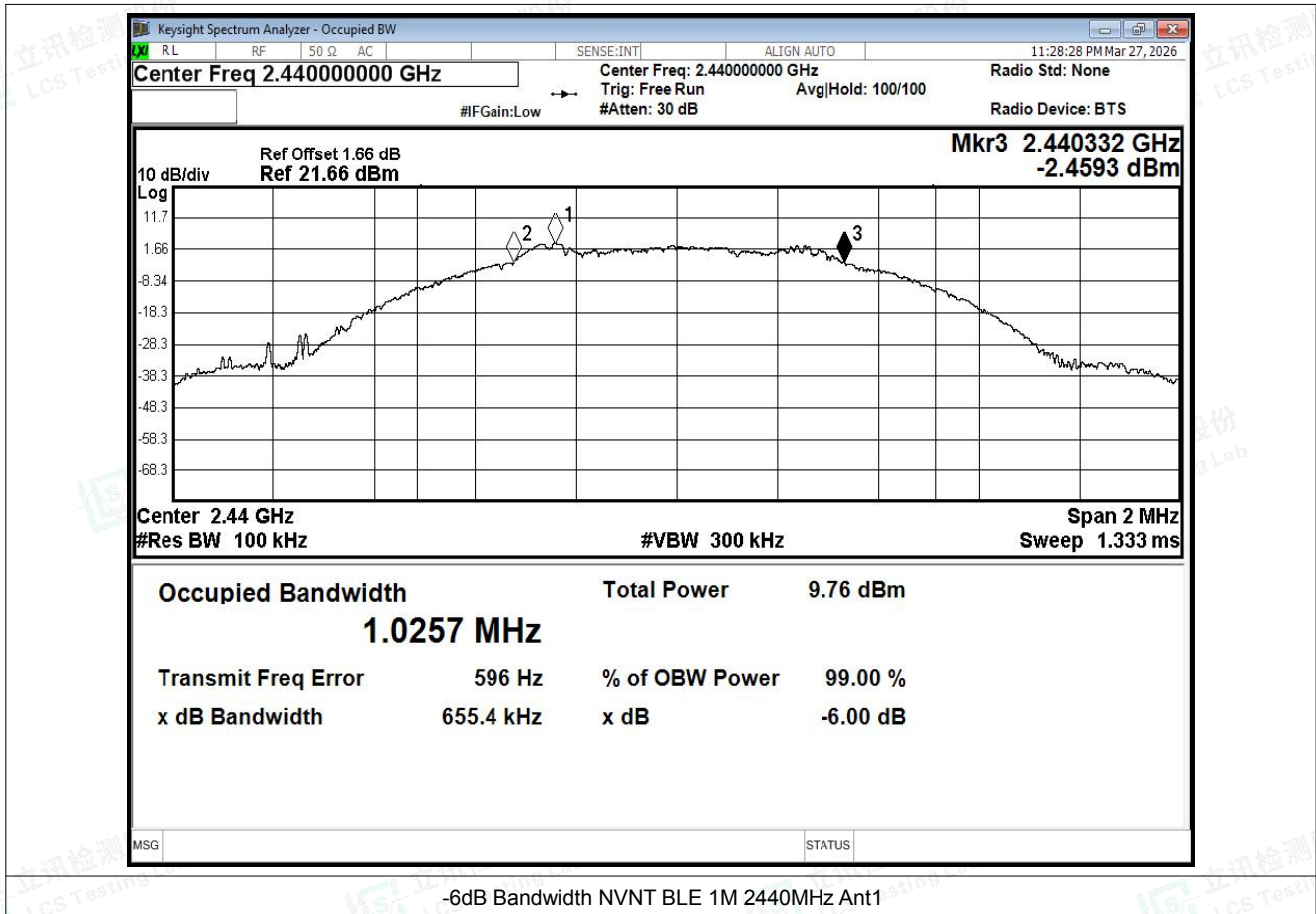


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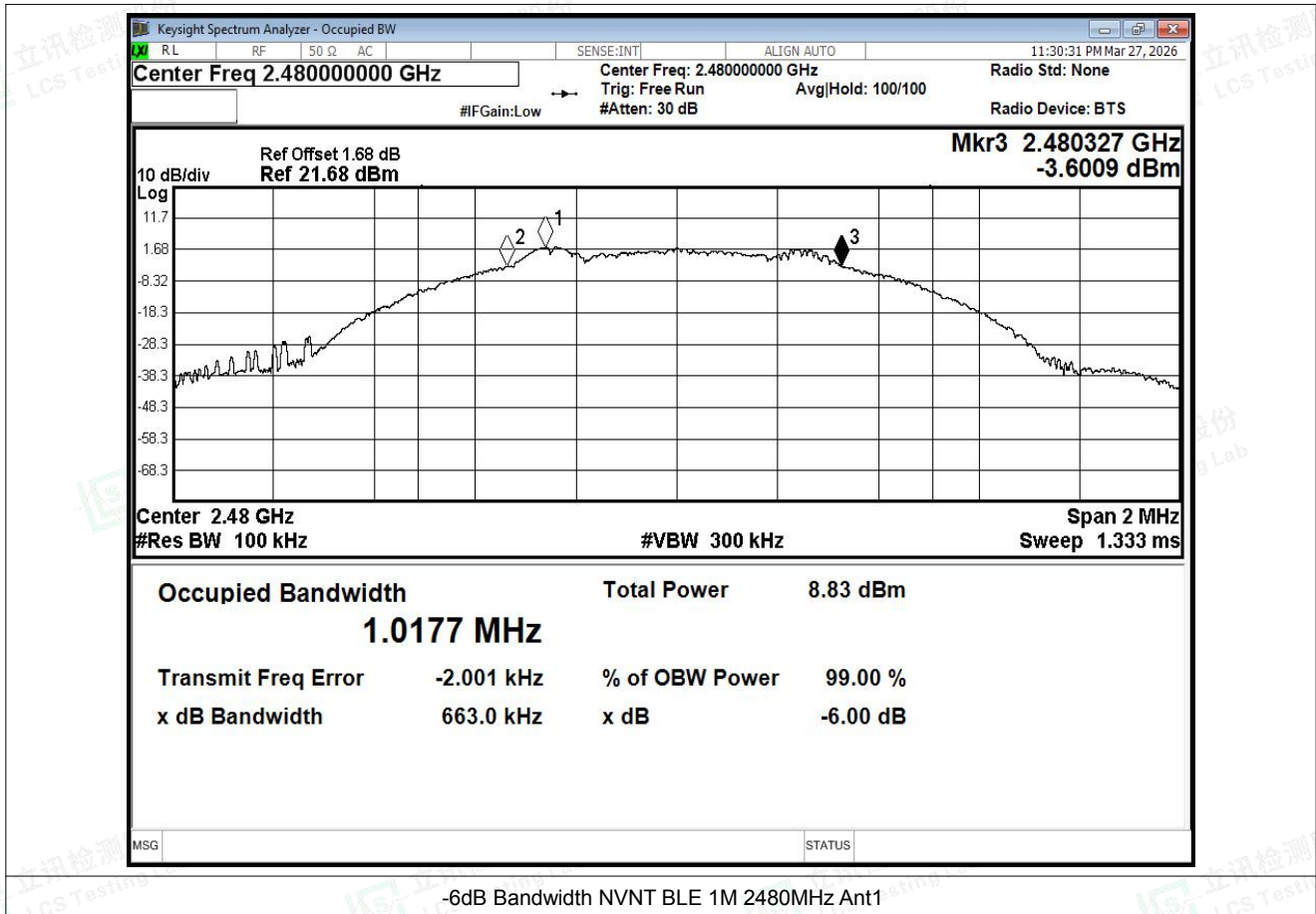


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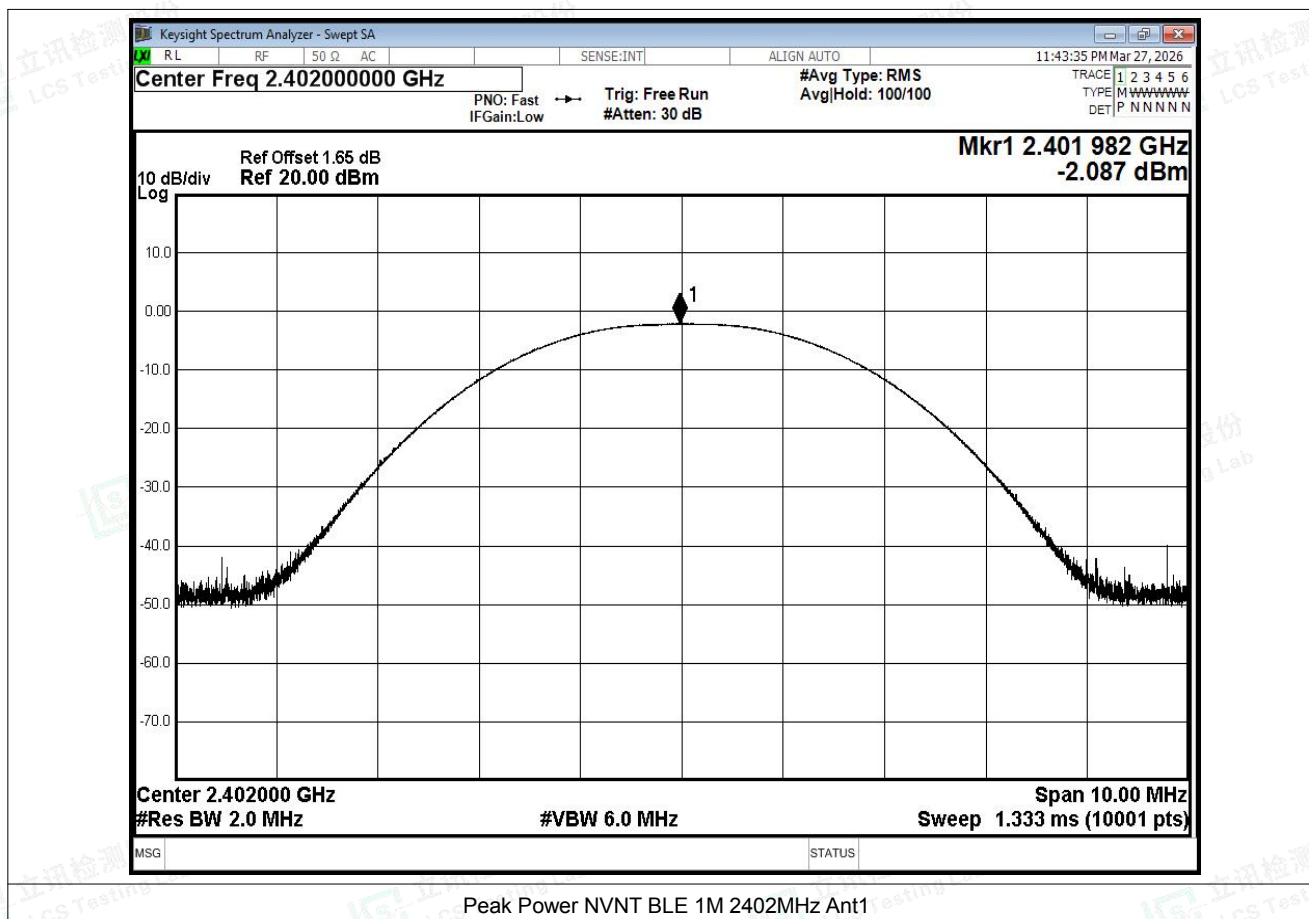


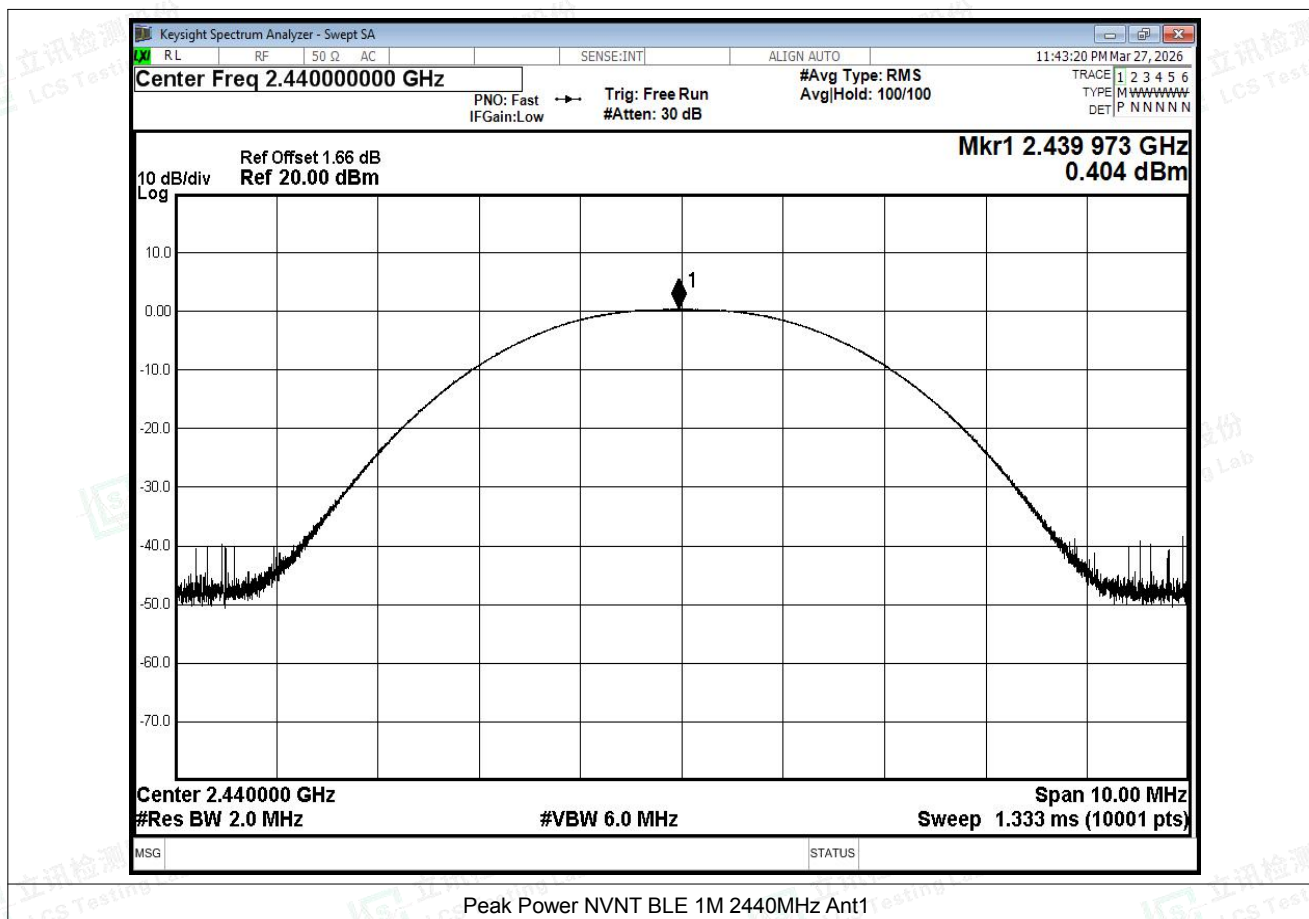
A.2 Maximum Peak Conducted Output Power

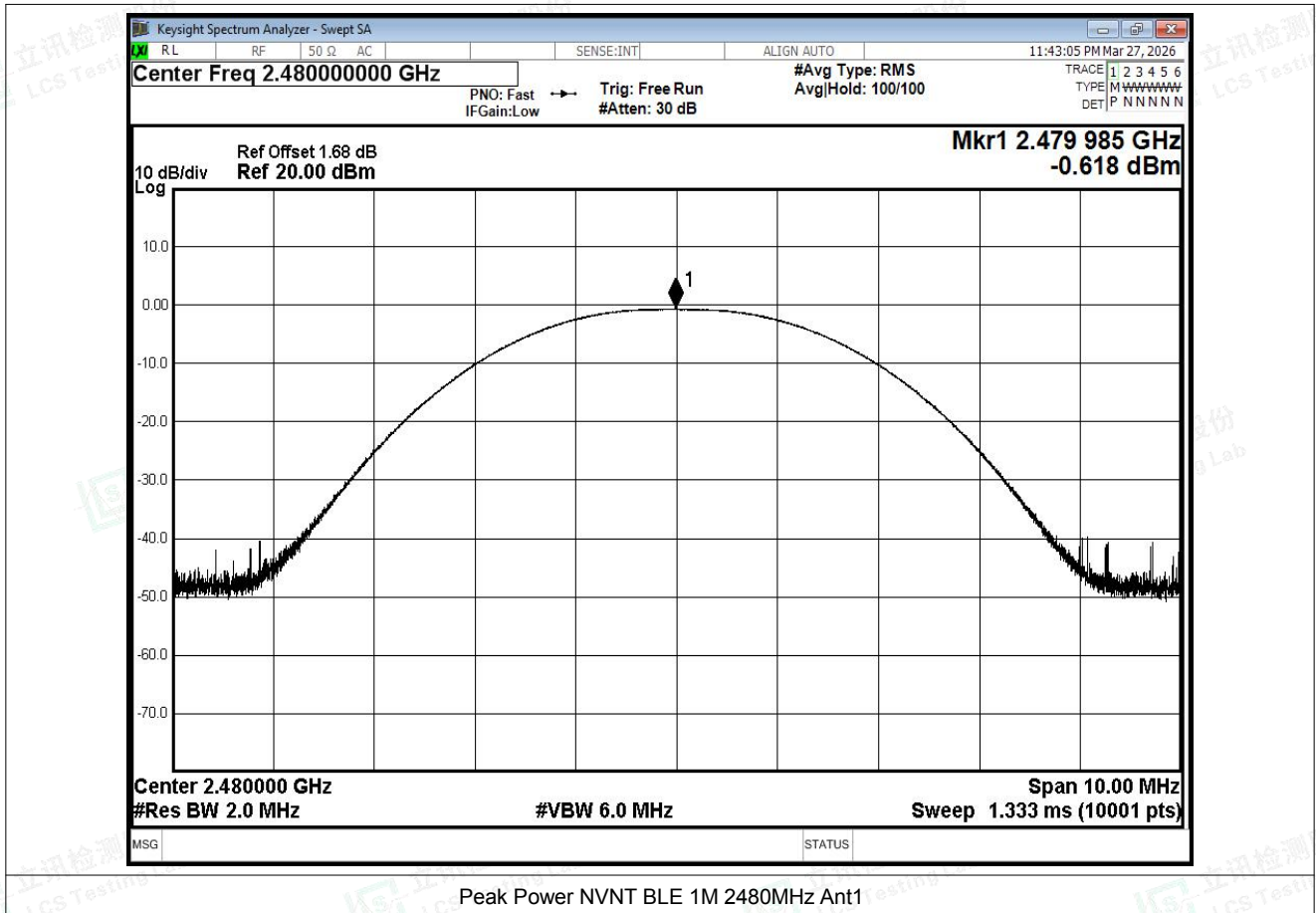
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit Conducted(dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	-2.09	30	Pass
NVNT	BLE 1M	2440	Ant1	0.4	30	Pass
NVNT	BLE 1M	2480	Ant1	-0.62	30	Pass



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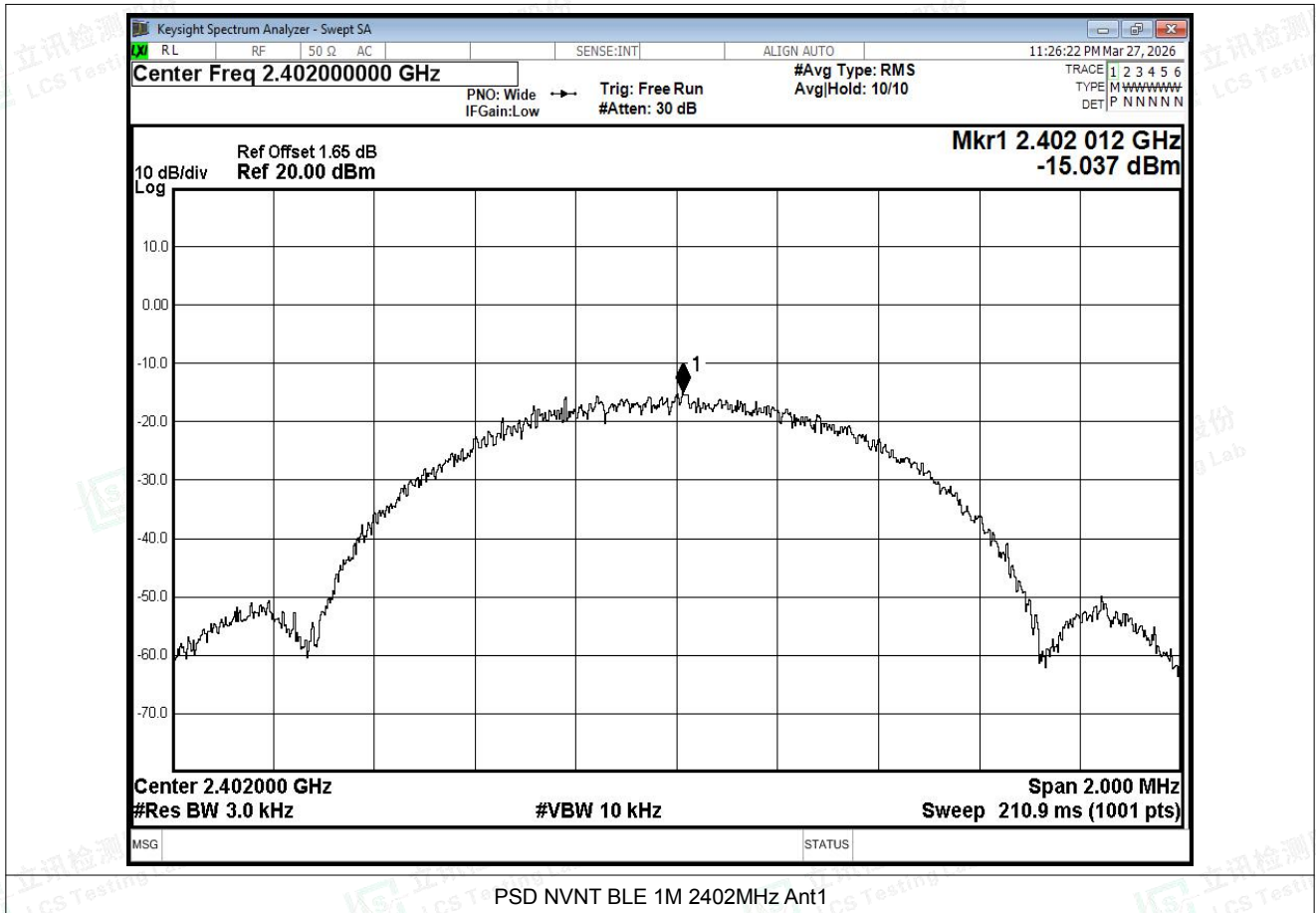


A.3 Maximum Power Spectral Density Level

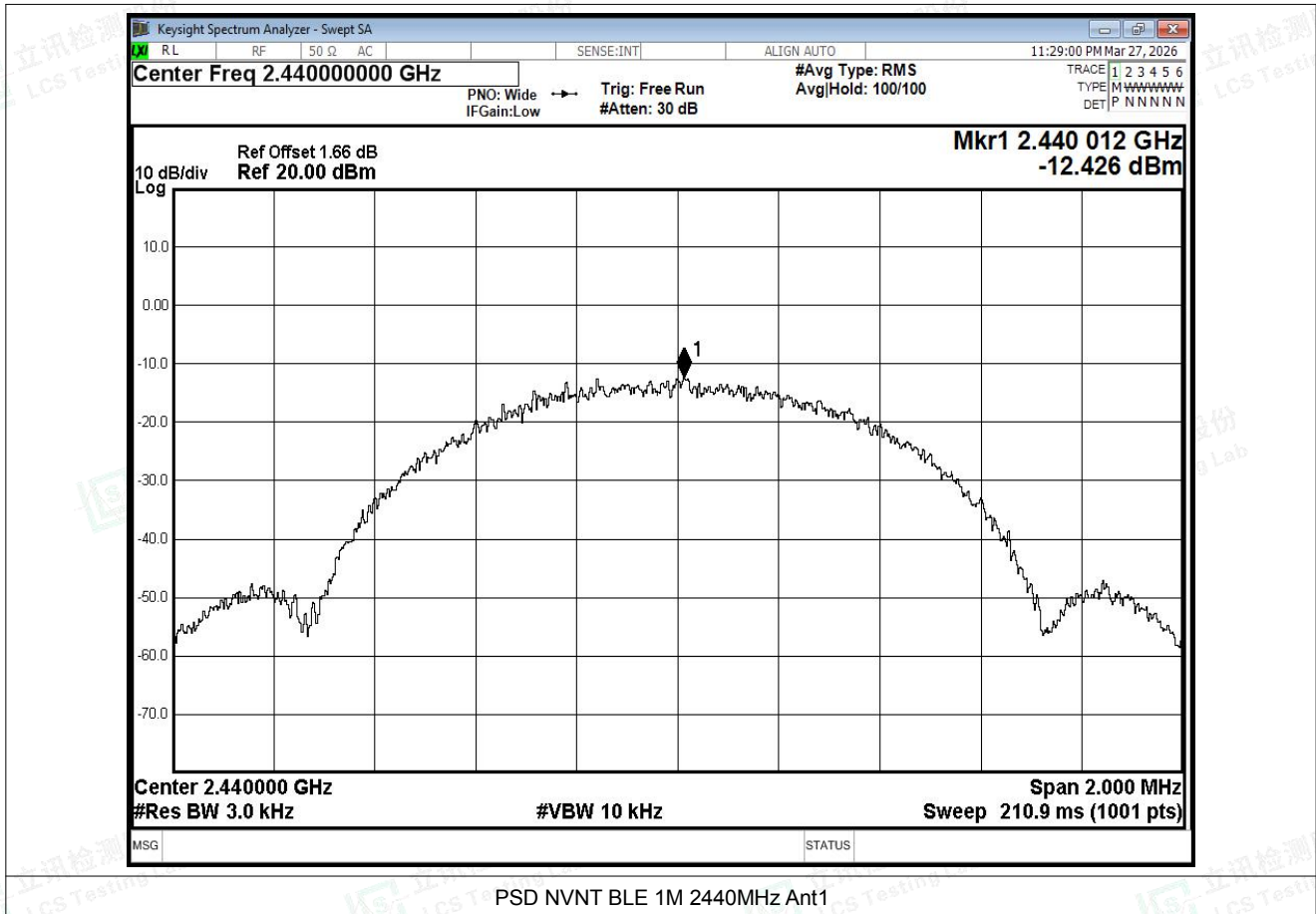
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	-15.04	8	Pass
NVNT	BLE 1M	2440	Ant1	-12.43	8	Pass
NVNT	BLE 1M	2480	Ant1	-13.61	8	Pass

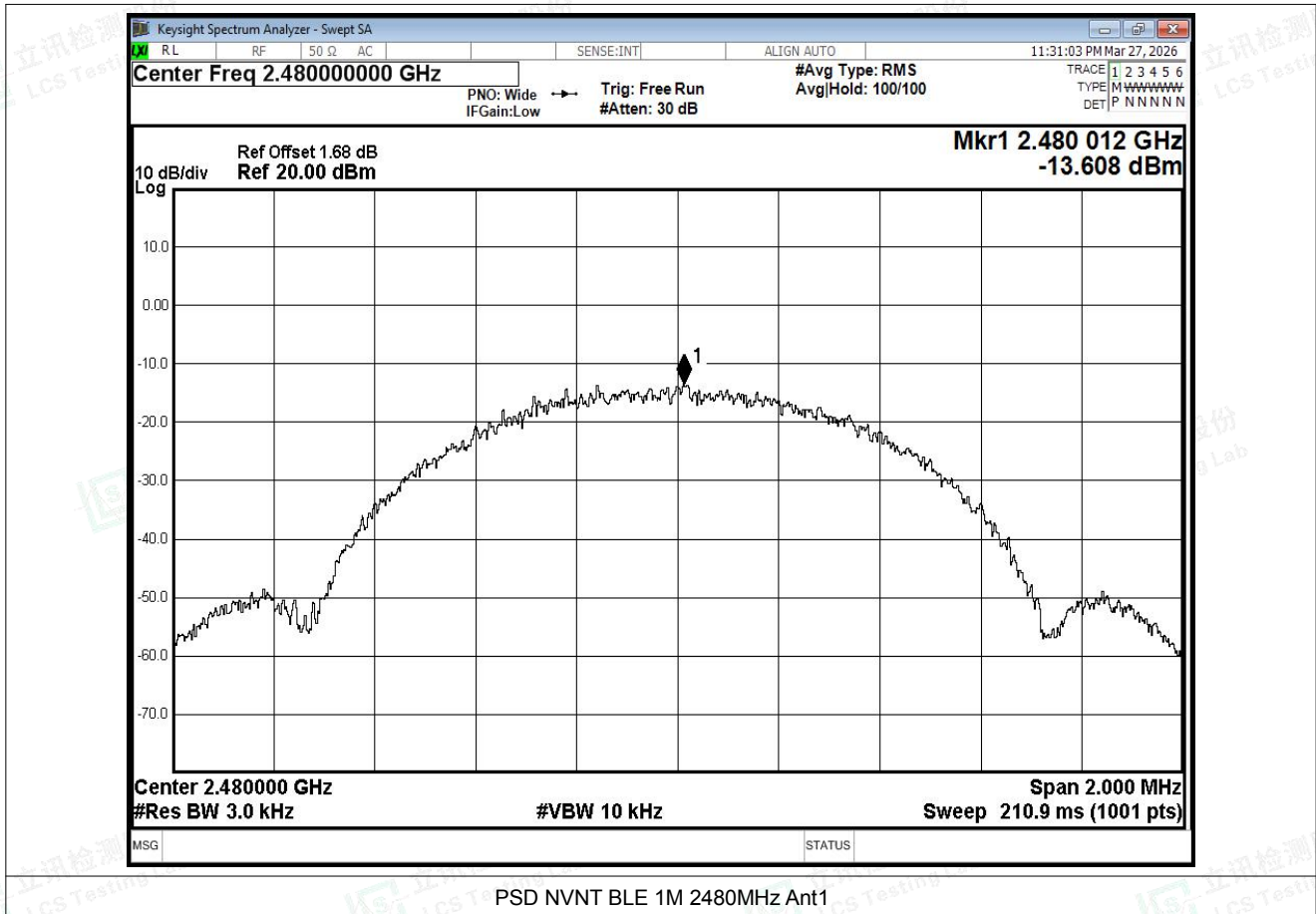


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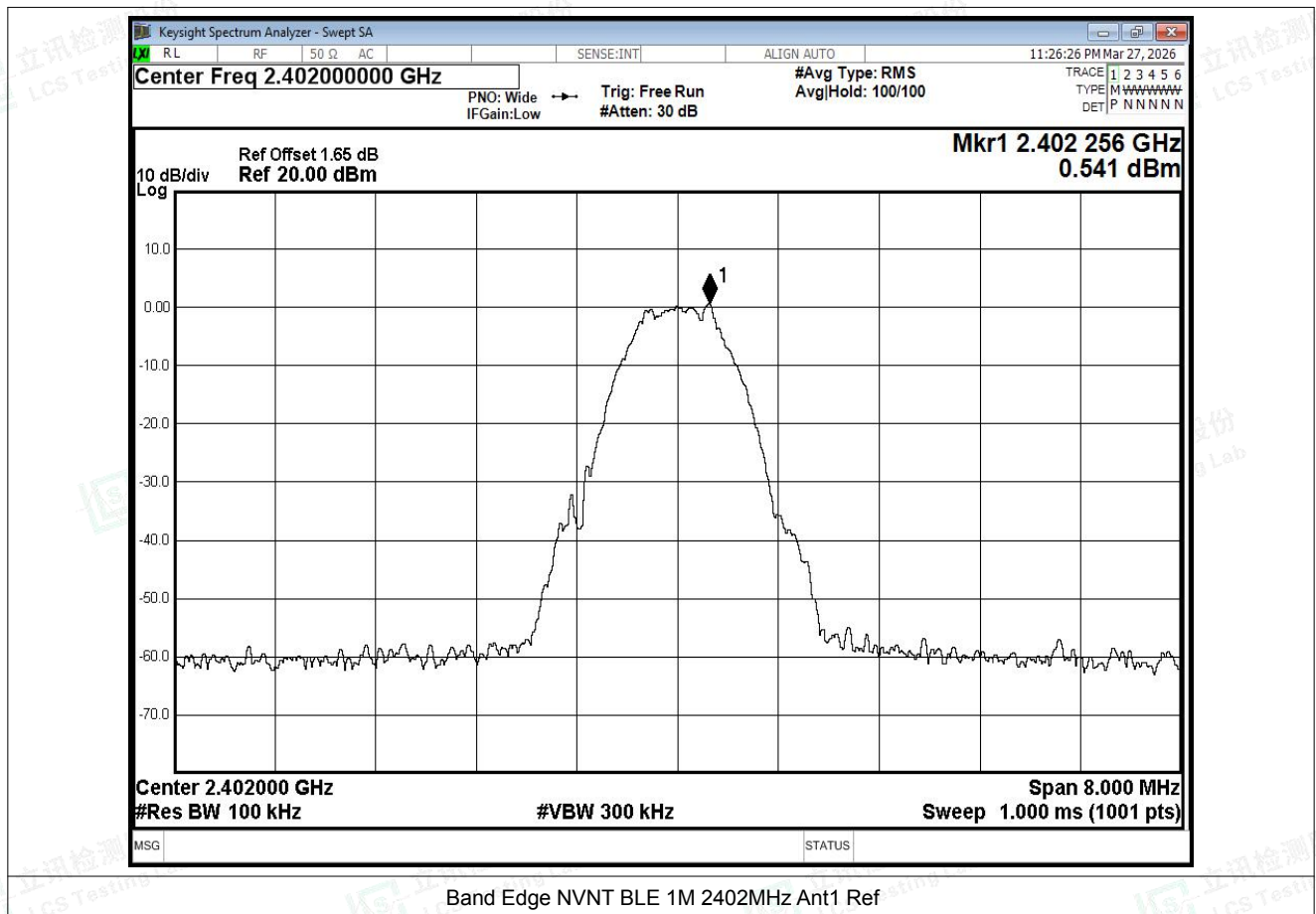


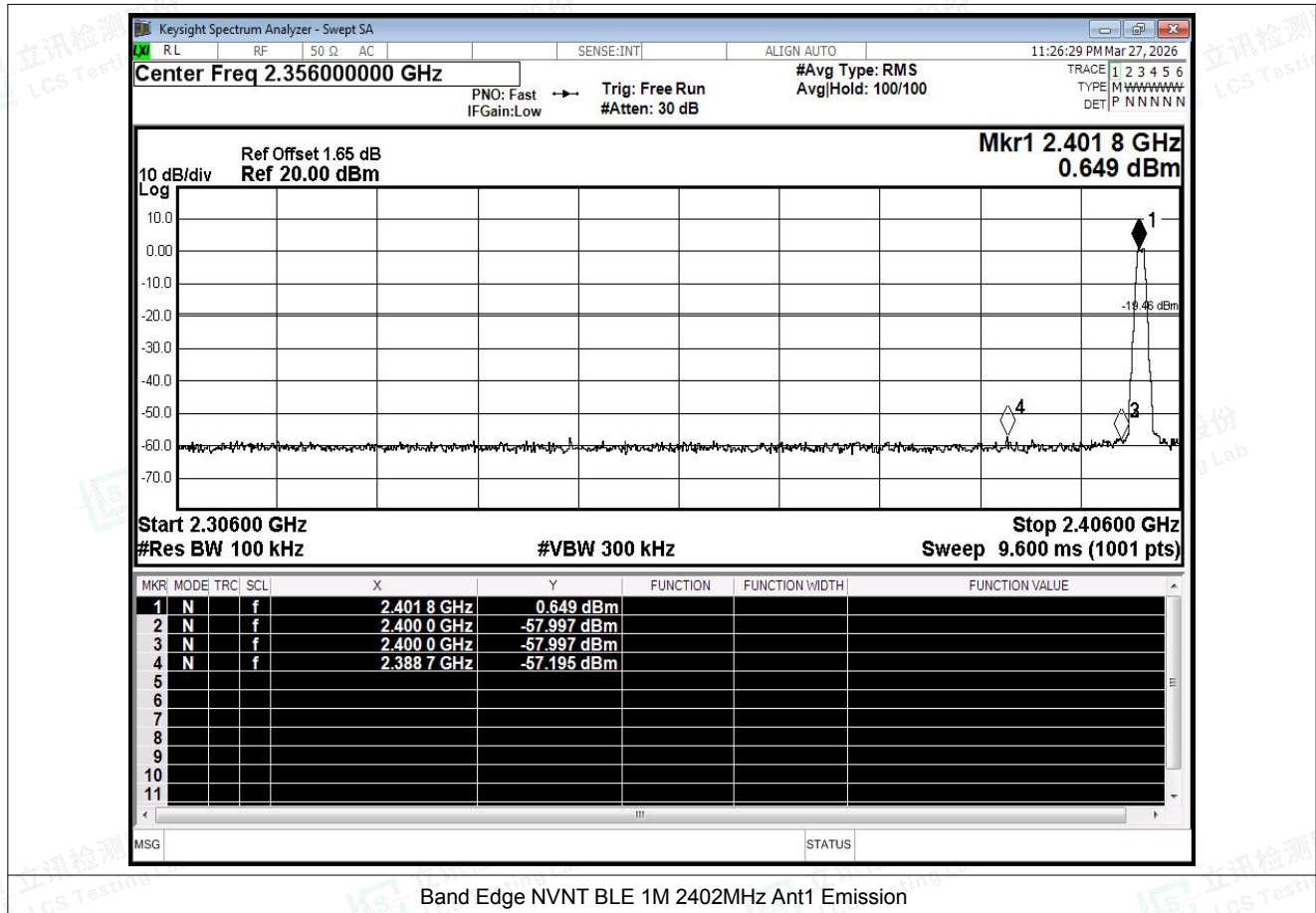
A.4 Band Edge

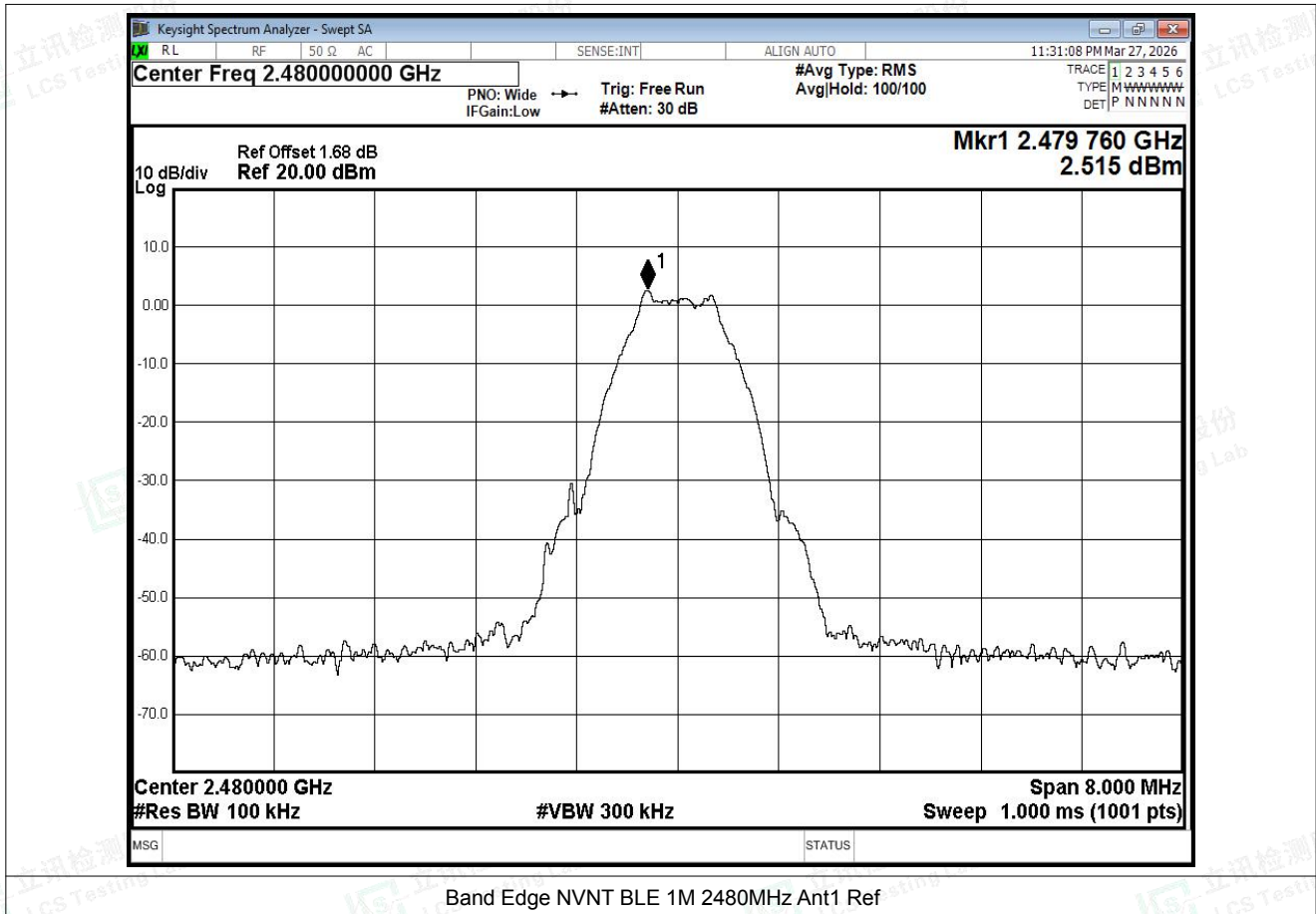
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-57.73	-20	Pass
NVNT	BLE 1M	2480	Ant1	-59.08	-20	Pass



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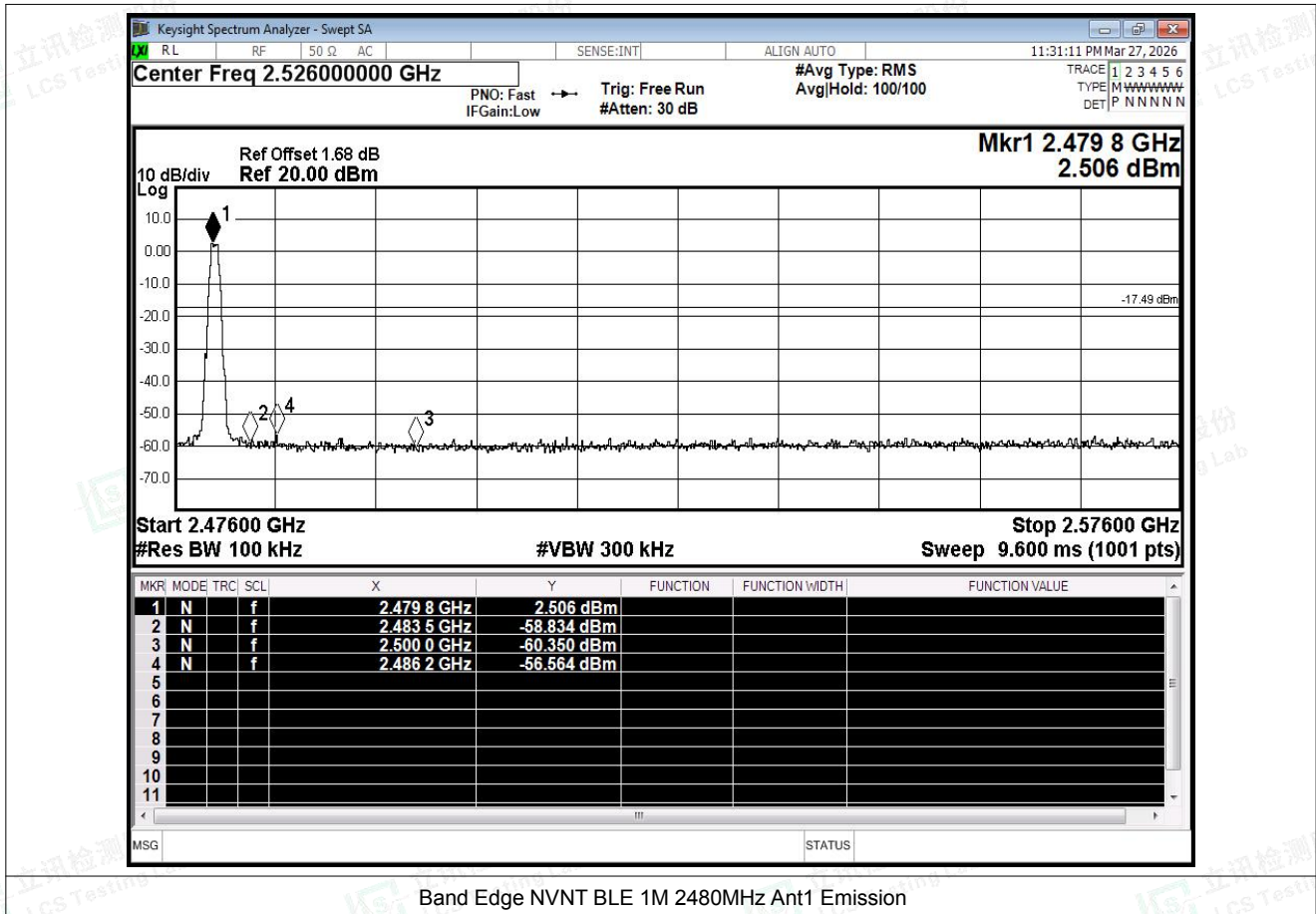


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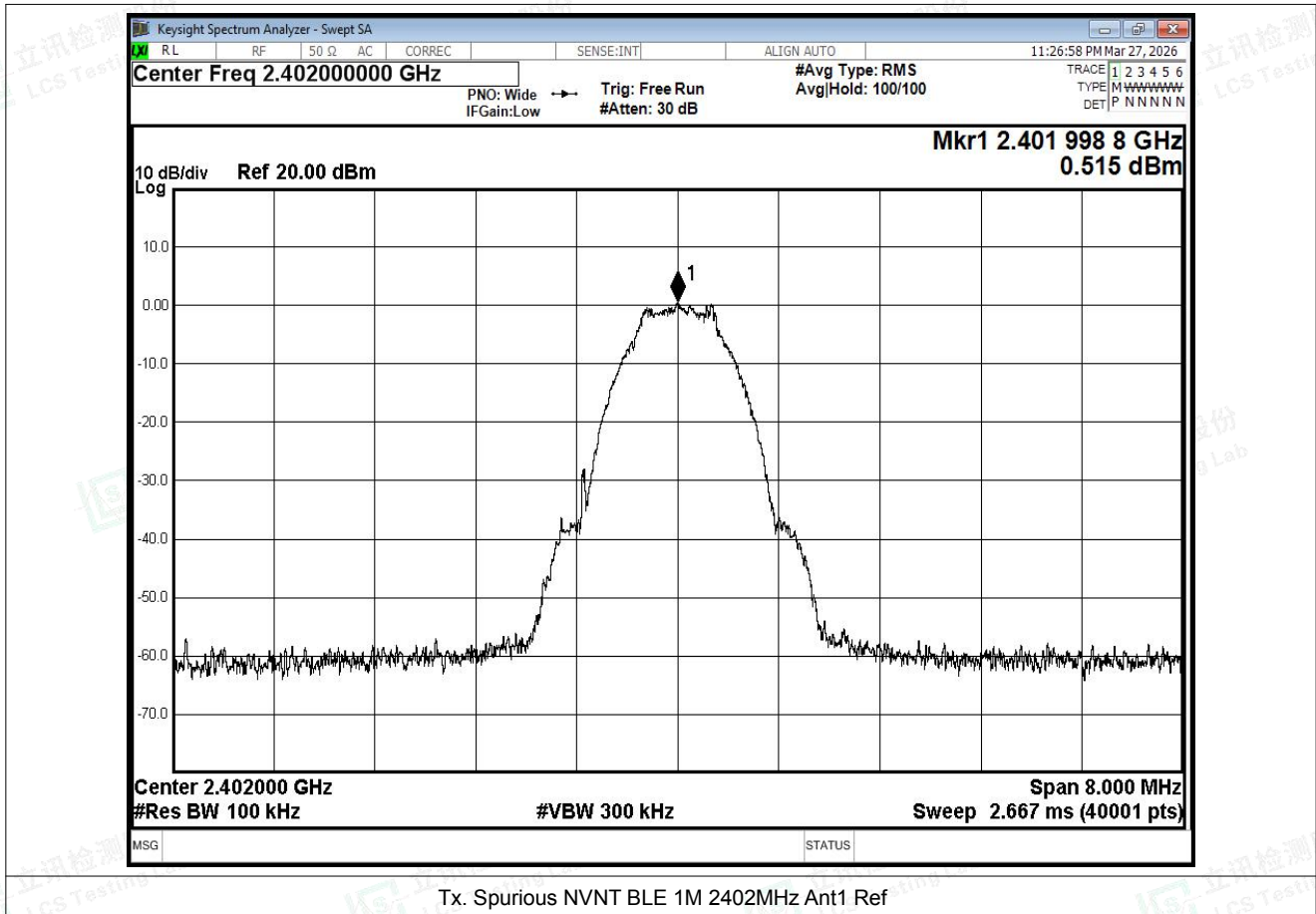


A.5 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-39.41	-20	Pass
NVNT	BLE 1M	2440	Ant1	-41.48	-20	Pass
NVNT	BLE 1M	2480	Ant1	-40.77	-20	Pass



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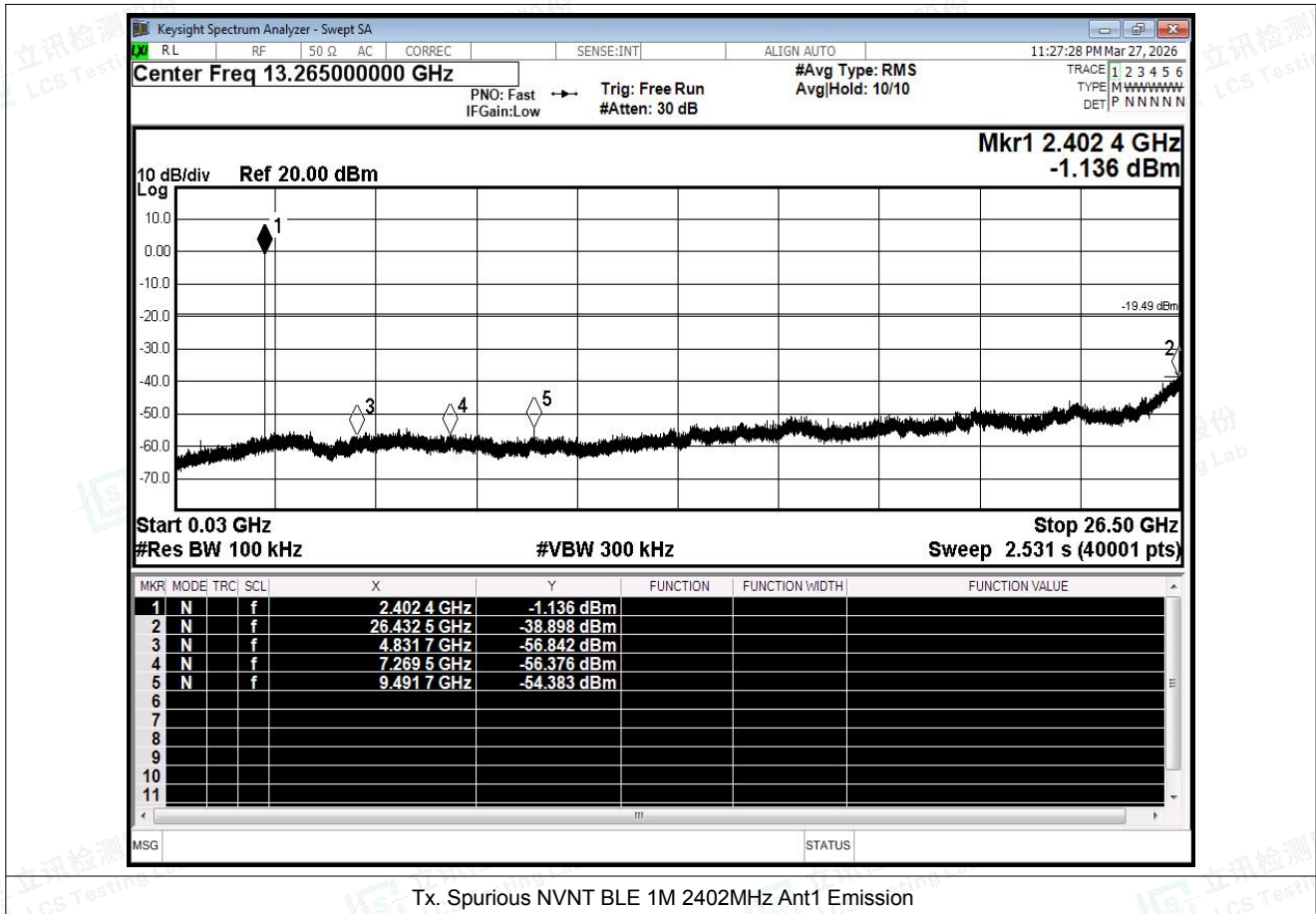


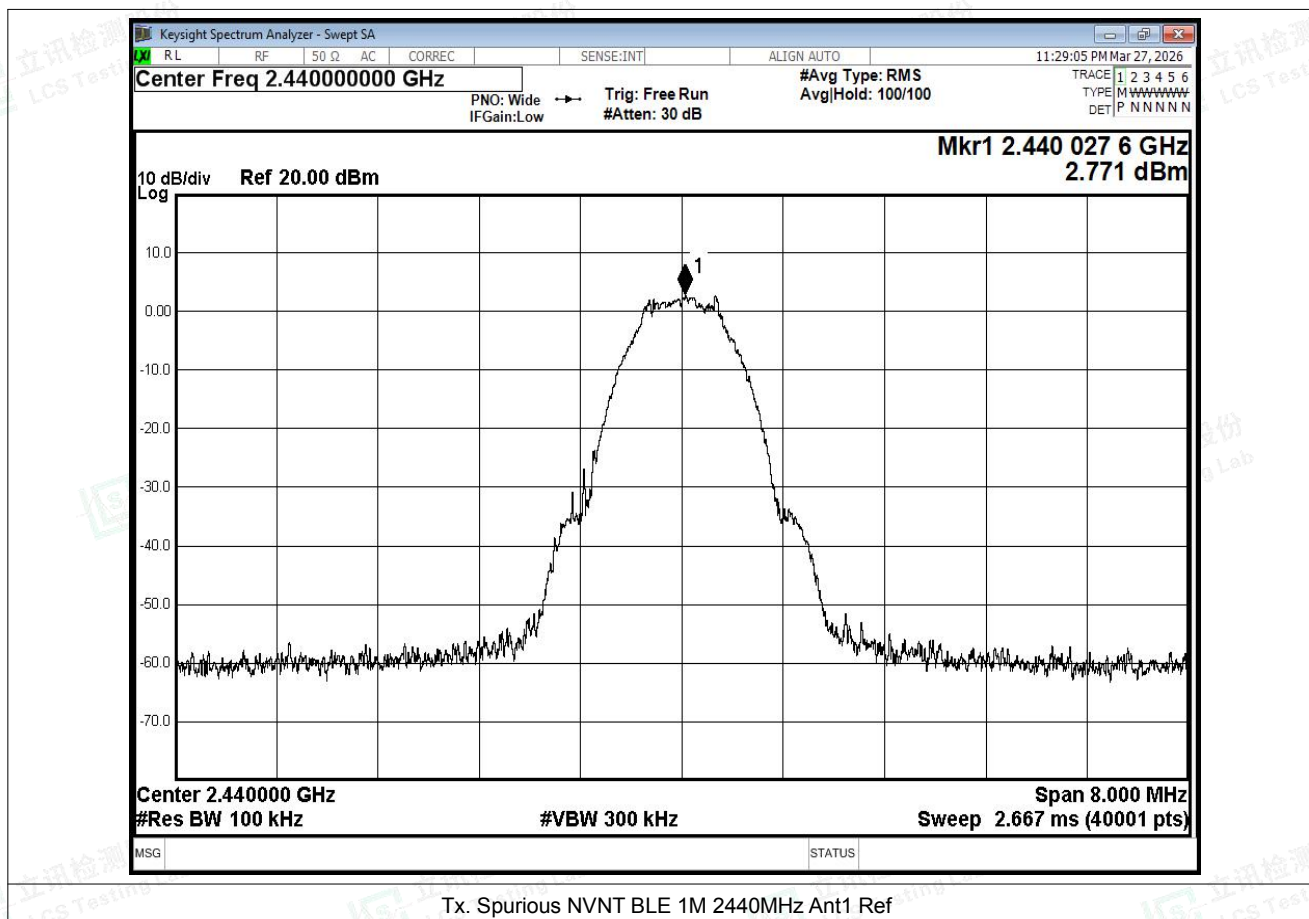
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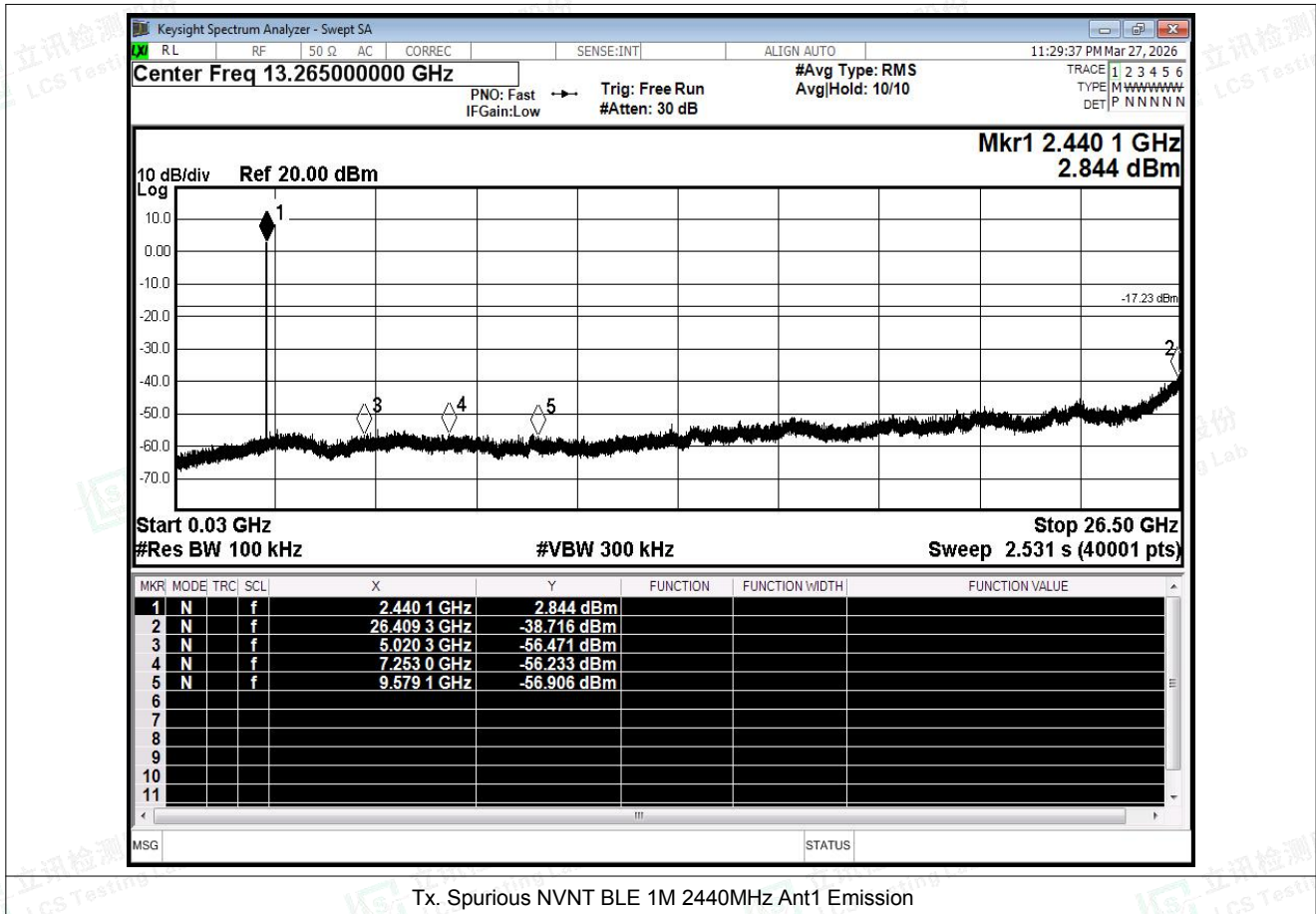


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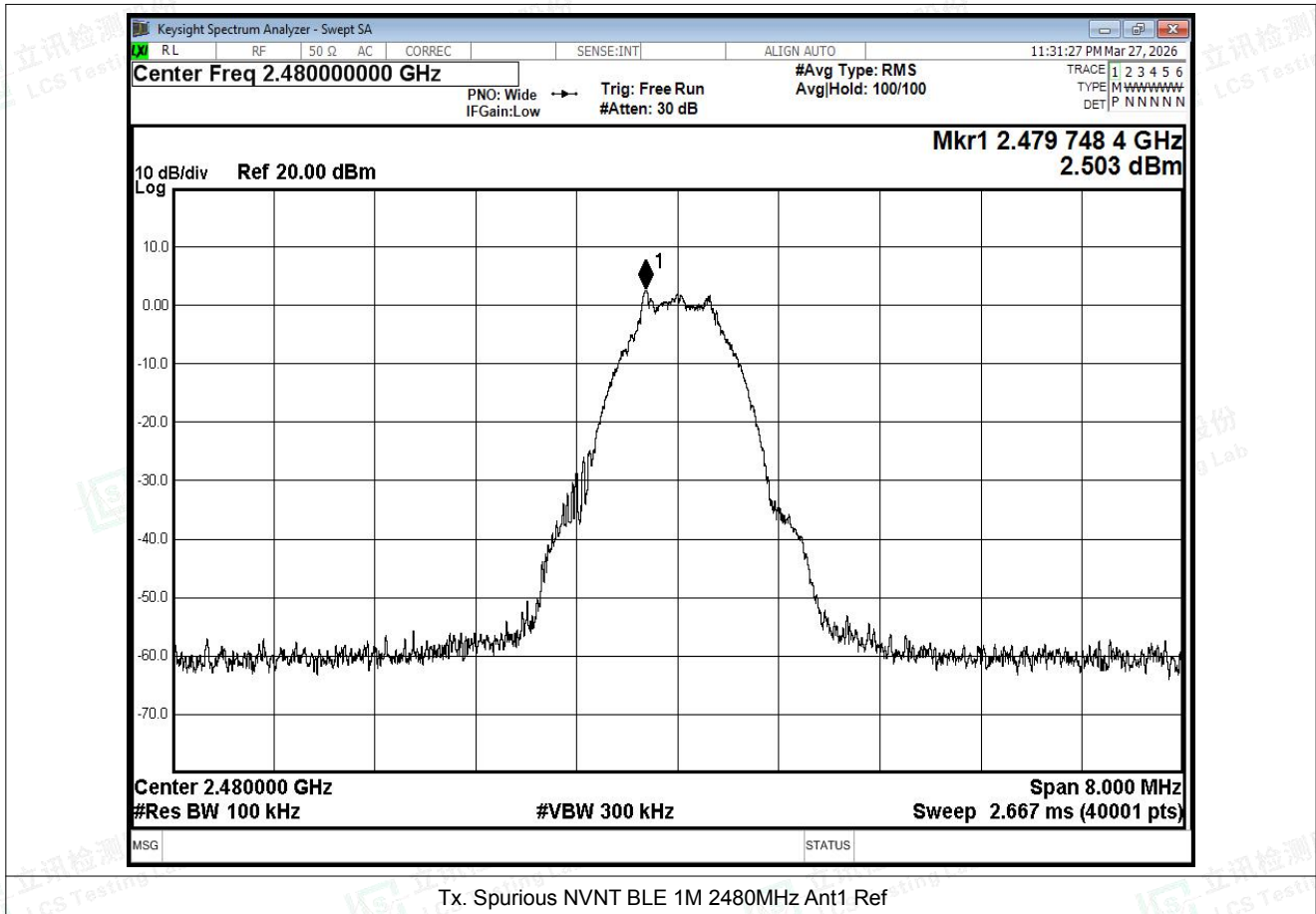


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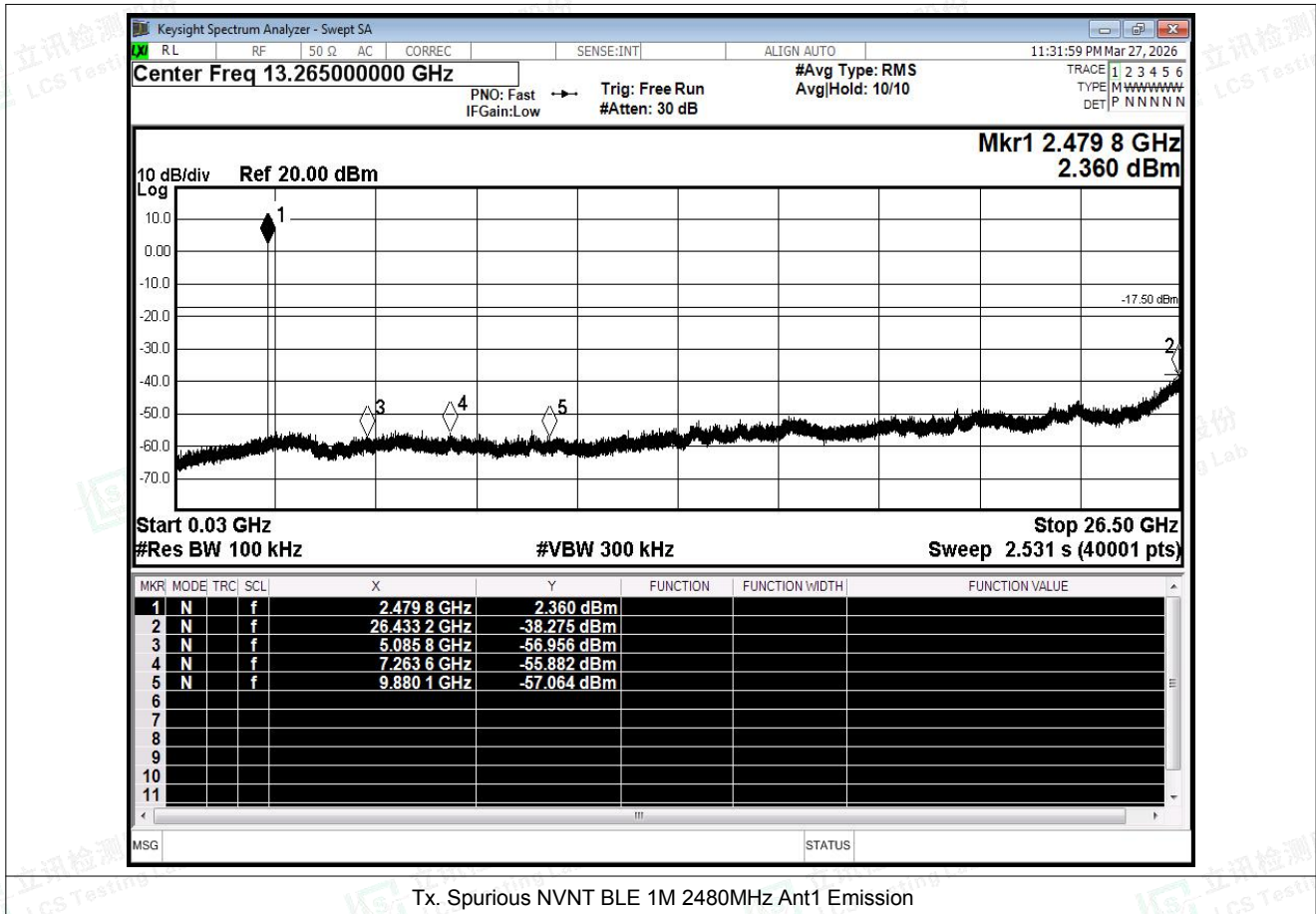


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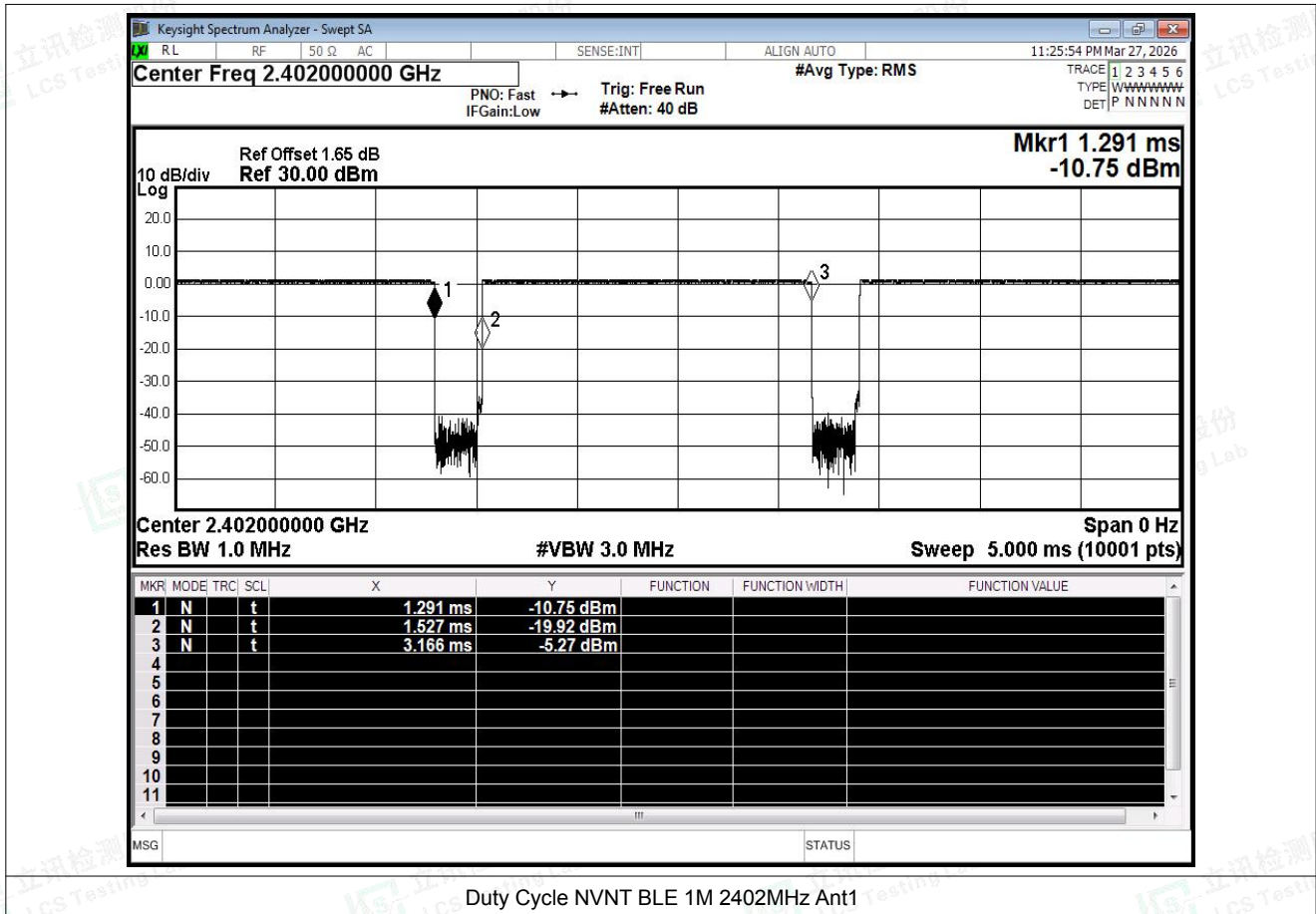


A.6 Duty Cycle

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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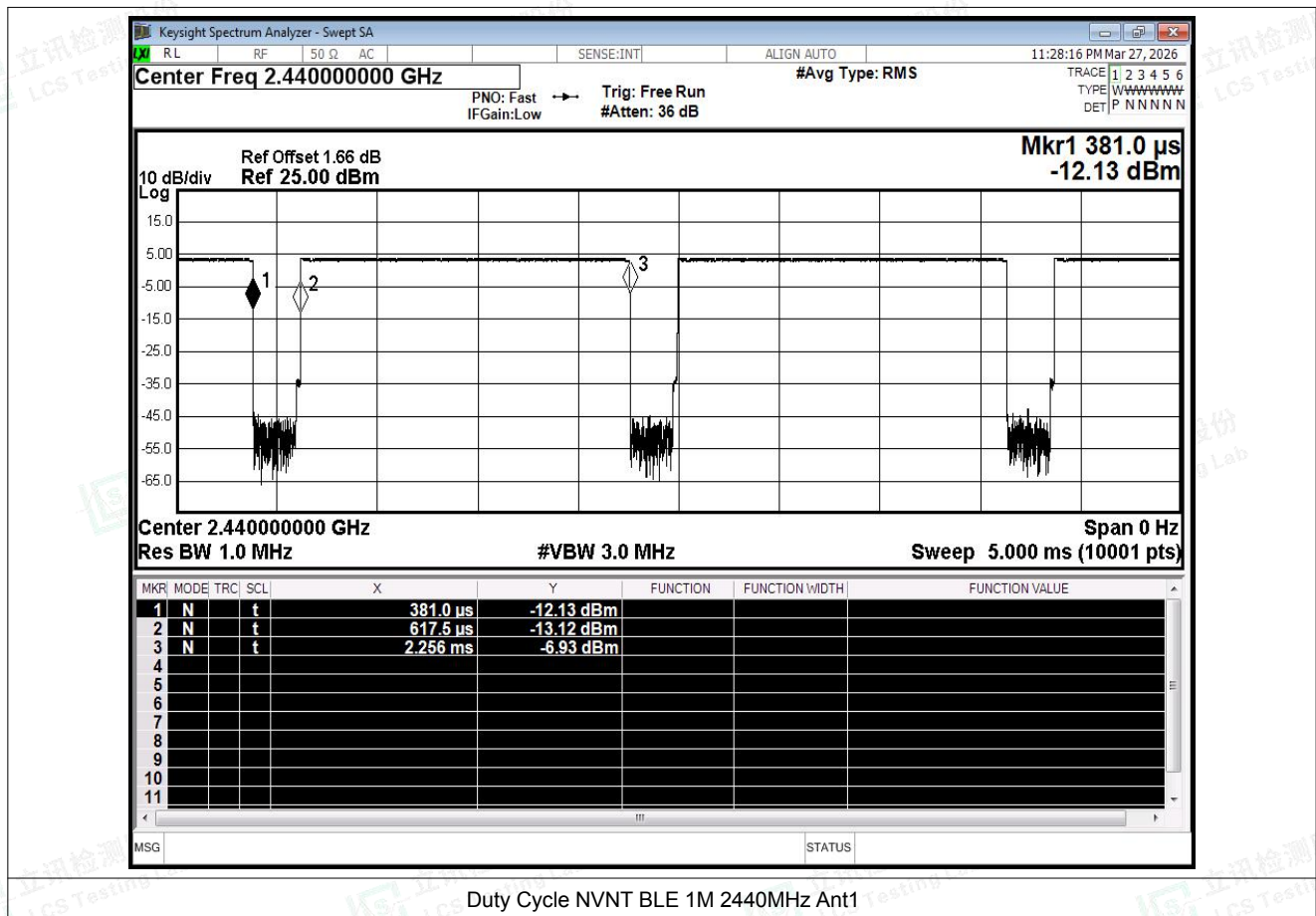


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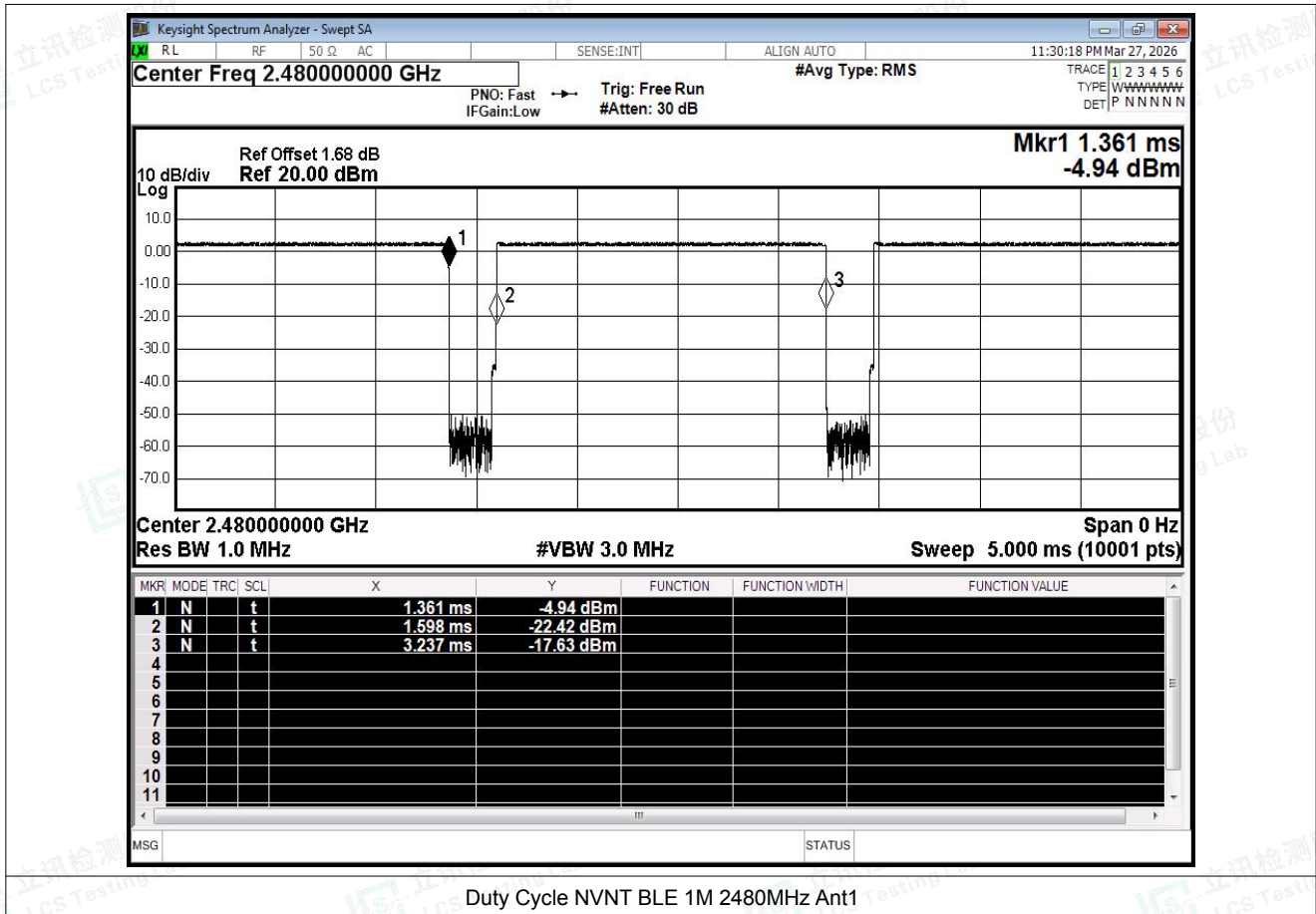


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A.7 Restrict Band

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	-51.07	4.89	49.08	Peak	74	Pass
NVNT	BLE 1M	2402	Ant1	2310	-58.07	4.89	42.08	Average	54	Pass
NVNT	BLE 1M	2402	Ant1	2385.264	-47.97	4.89	52.18	Peak	74	Pass
NVNT	BLE 1M	2402	Ant1	2332.176	-57.78	4.89	42.37	Average	54	Pass
NVNT	BLE 1M	2402	Ant1	2390	-51.2	4.89	48.95	Peak	74	Pass
NVNT	BLE 1M	2402	Ant1	2390	-58.11	4.89	42.04	Average	54	Pass
NVNT	BLE 1M	2480	Ant1	2483.5	-44.71	4.89	55.44	Peak	74	Pass
NVNT	BLE 1M	2480	Ant1	2483.5	-54.09	4.89	46.06	Average	54	Pass
NVNT	BLE 1M	2480	Ant1	2484.424	-42.51	4.89	57.64	Peak	74	Pass
NVNT	BLE 1M	2480	Ant1	2483.512	-54.09	4.89	46.06	Average	54	Pass
NVNT	BLE 1M	2480	Ant1	2500	-49.2	4.89	50.95	Peak	74	Pass
NVNT	BLE 1M	2480	Ant1	2500	-57.82	4.89	42.33	Average	54	Pass

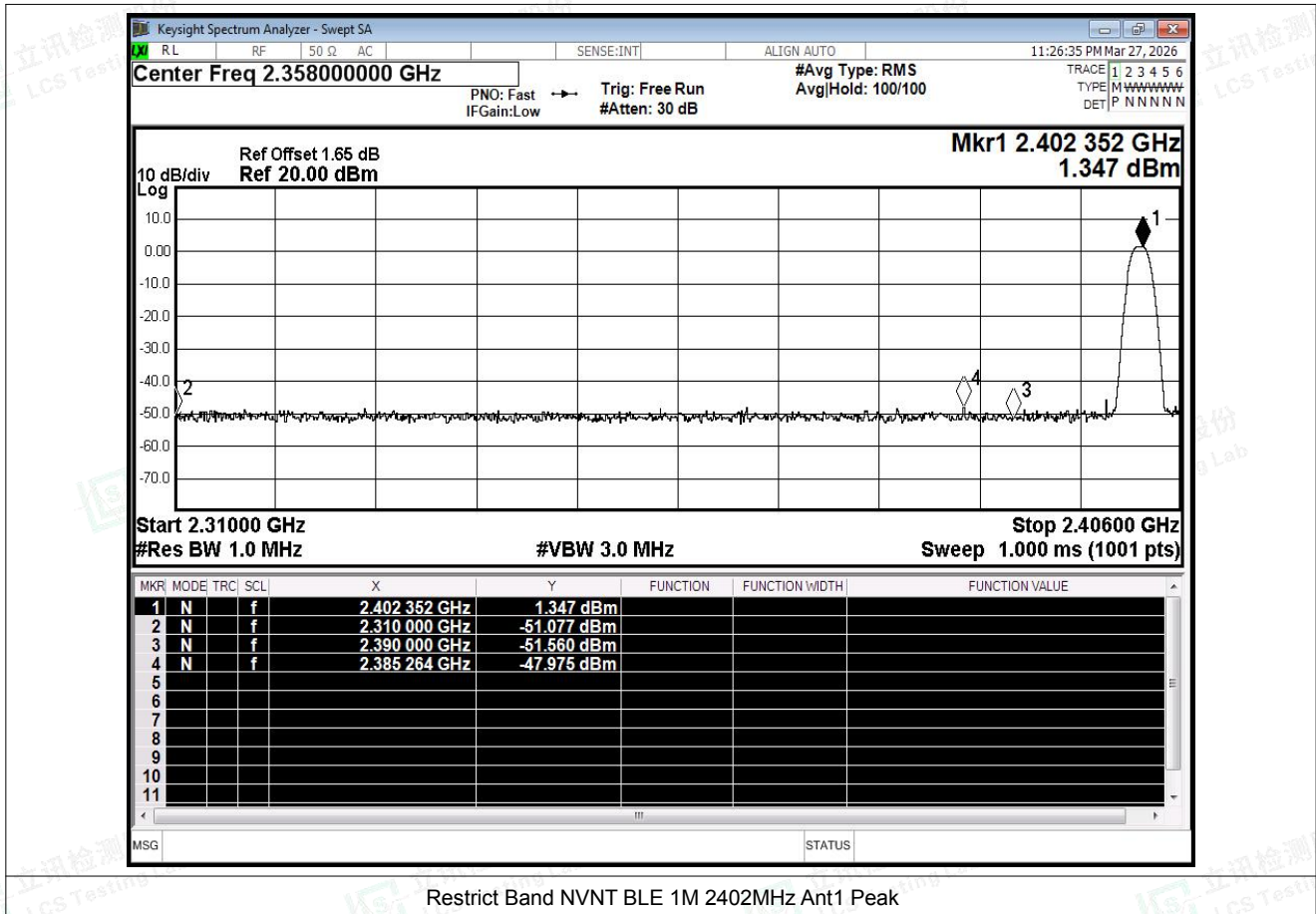


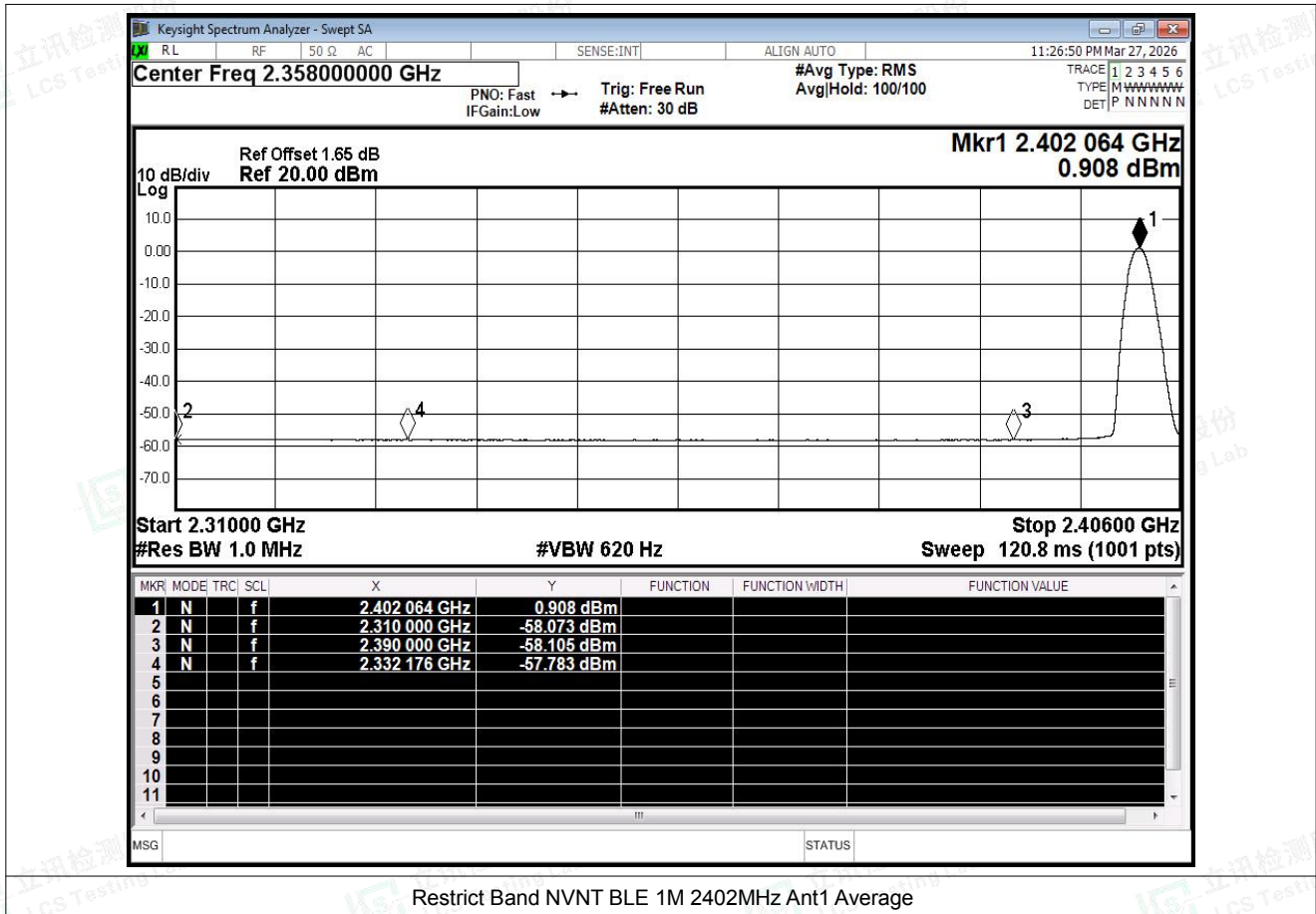
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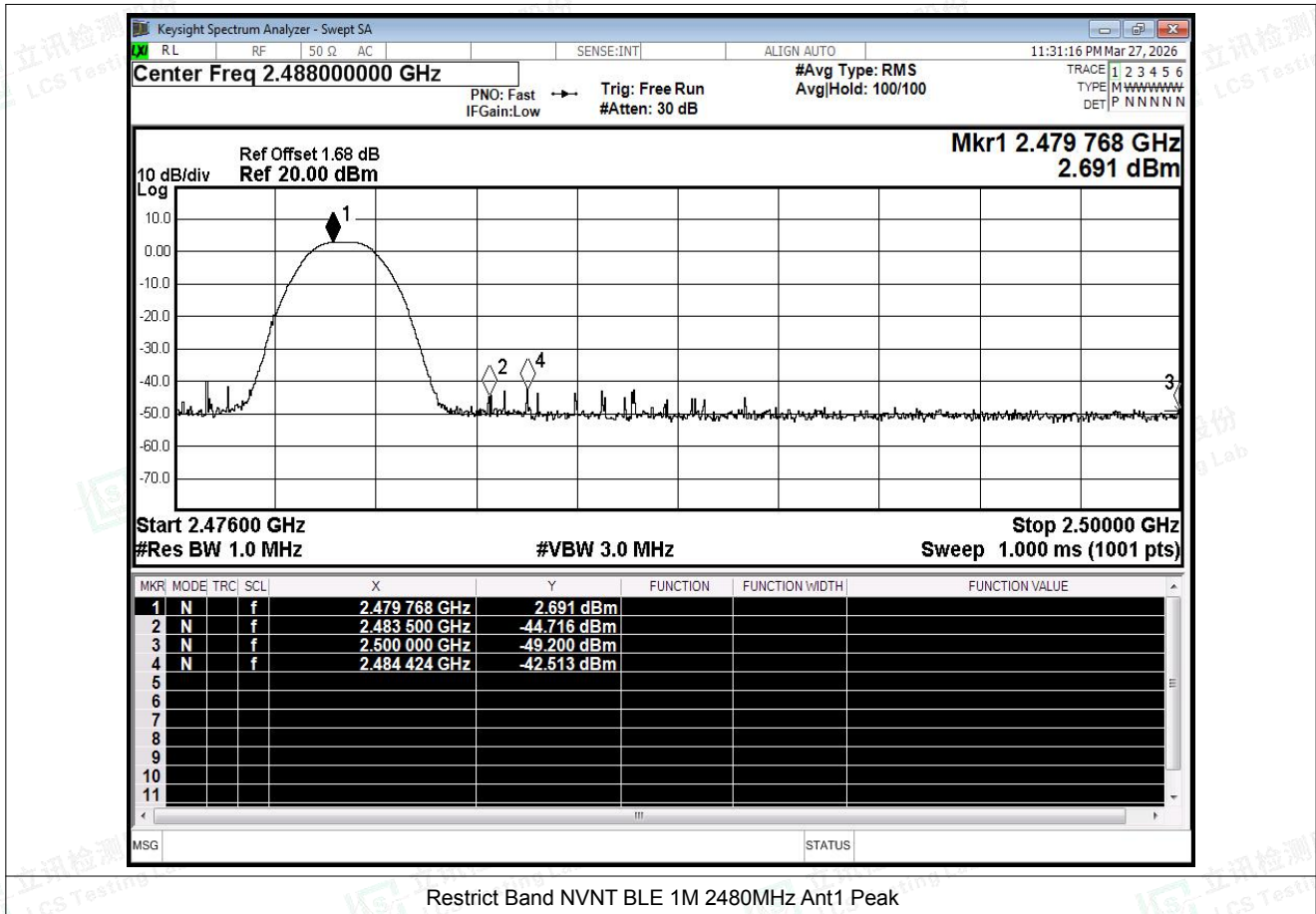
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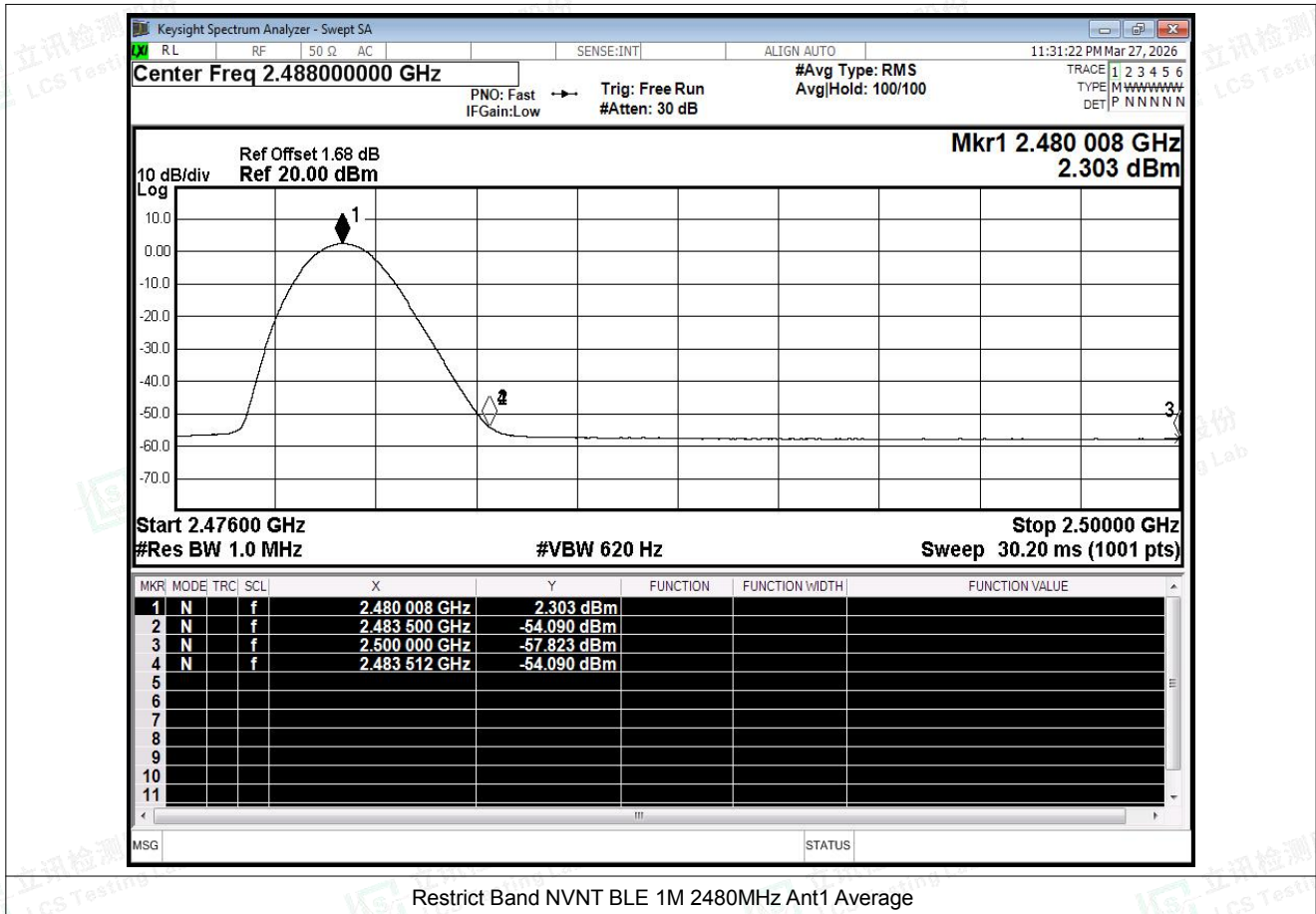
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