



Appendix A

RF Test Data for 2.4GWIFI (Conducted Measurement)

Product Name: Car DVR

Test Model: TE-DVR-DL4K

Environmental Conditions

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





A.1 6dB Bandwidth

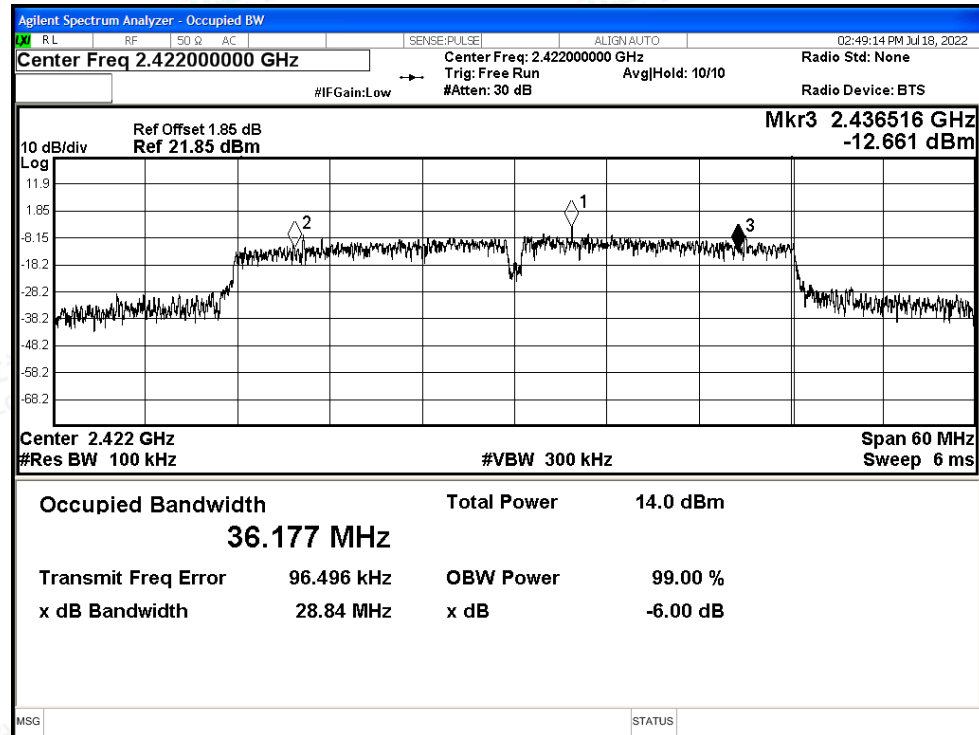
Condition	Mode	Frequency (MHz)	Antenna	6 dB Bandwidth (MHz)	Limit 6 dB Bandwidth (MHz)	Verdict
NVNT	n40	2422	Ant1	28.839	≥ 0.5	Pass
NVNT	n40	2437	Ant1	34.473	≥ 0.5	Pass
NVNT	n40	2452	Ant1	32.361	≥ 0.5	Pass



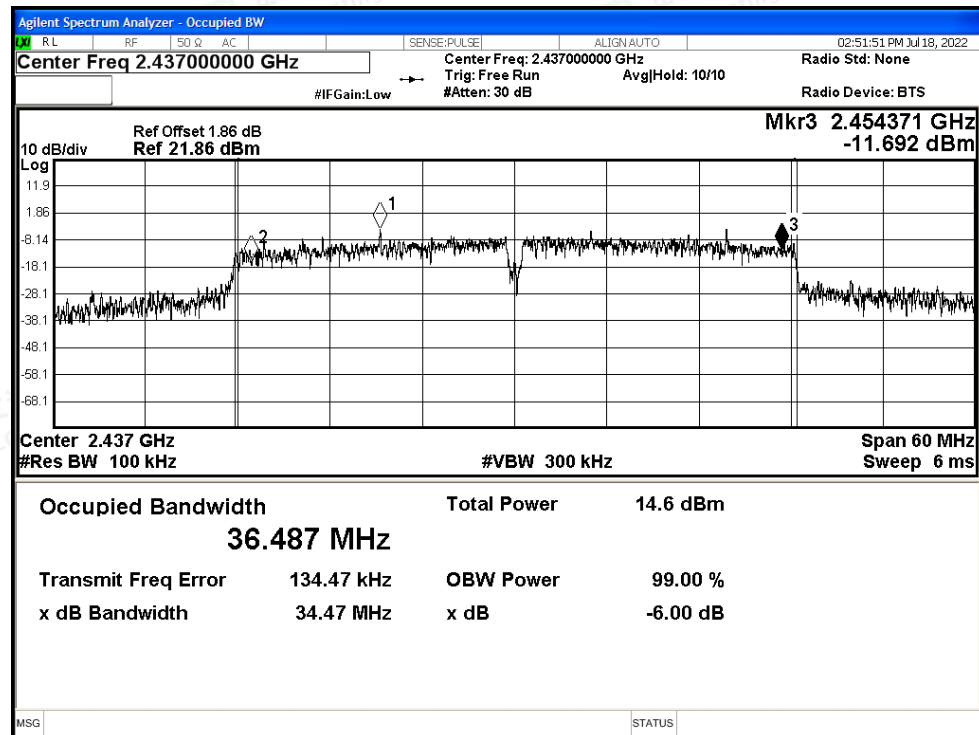


Test Graphs

6dB Bandwidth NVNT n40 2422MHz Ant1



6dB Bandwidth NVNT n40 2437MHz Ant1

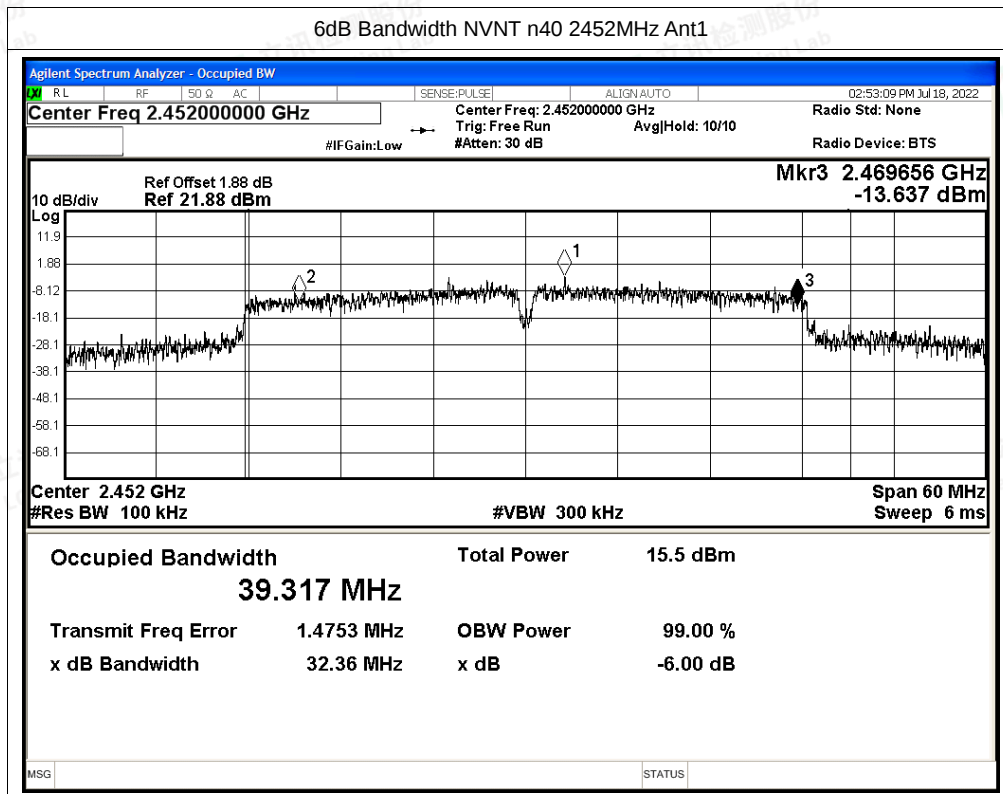


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A.2 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	n40	2422	Ant1	12.64	30	Pass
NVNT	n40	2437	Ant1	13.24	30	Pass
NVNT	n40	2452	Ant1	13.92	30	Pass





A.3 Maximum Power Spectral Density Level

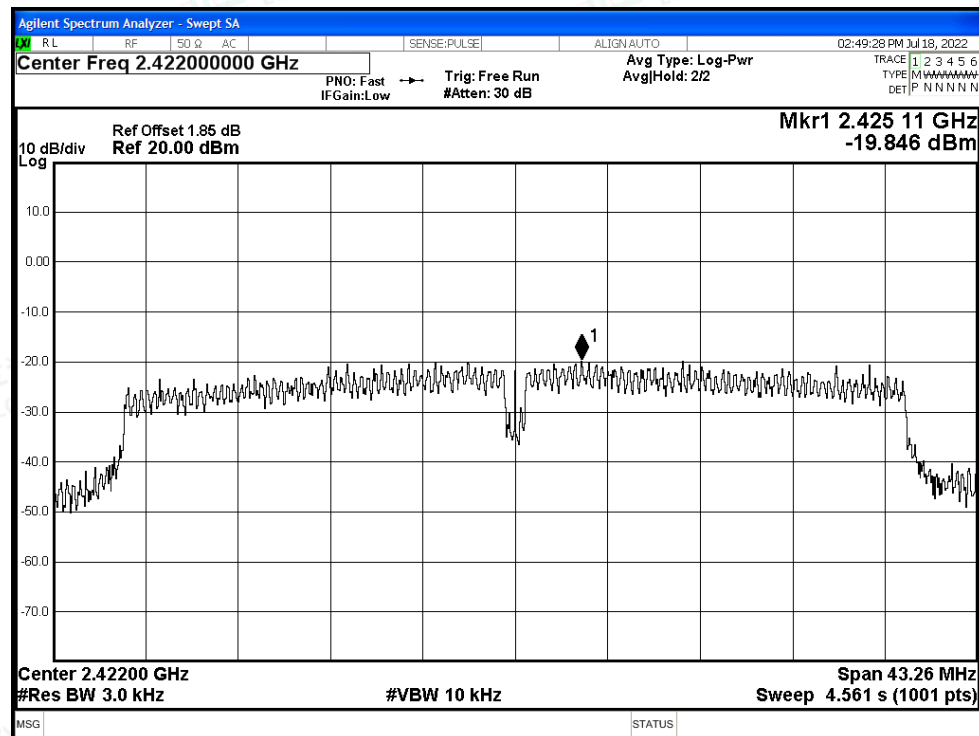
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	n40	2422	Ant1	-19.85	0	-19.85	8	Pass
NVNT	n40	2437	Ant1	-19.07	0	-19.07	8	Pass
NVNT	n40	2452	Ant1	-16.72	0	-16.72	8	Pass



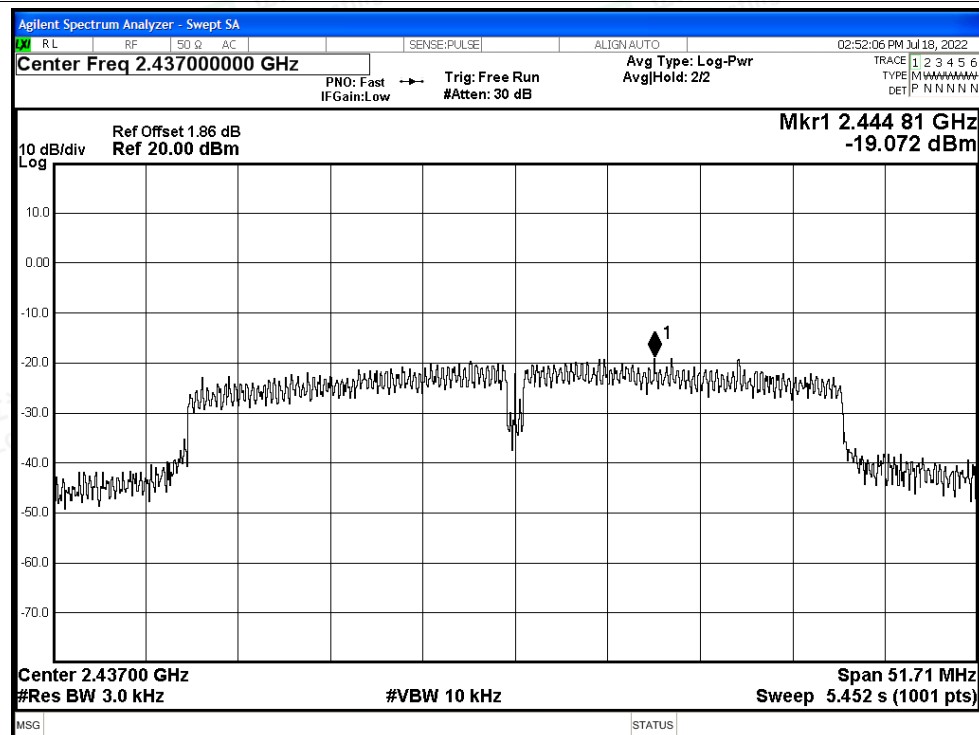


Test Graphs

PSD NVNT n40 2422MHz Ant1



PSD NVNT n40 2437MHz Ant1

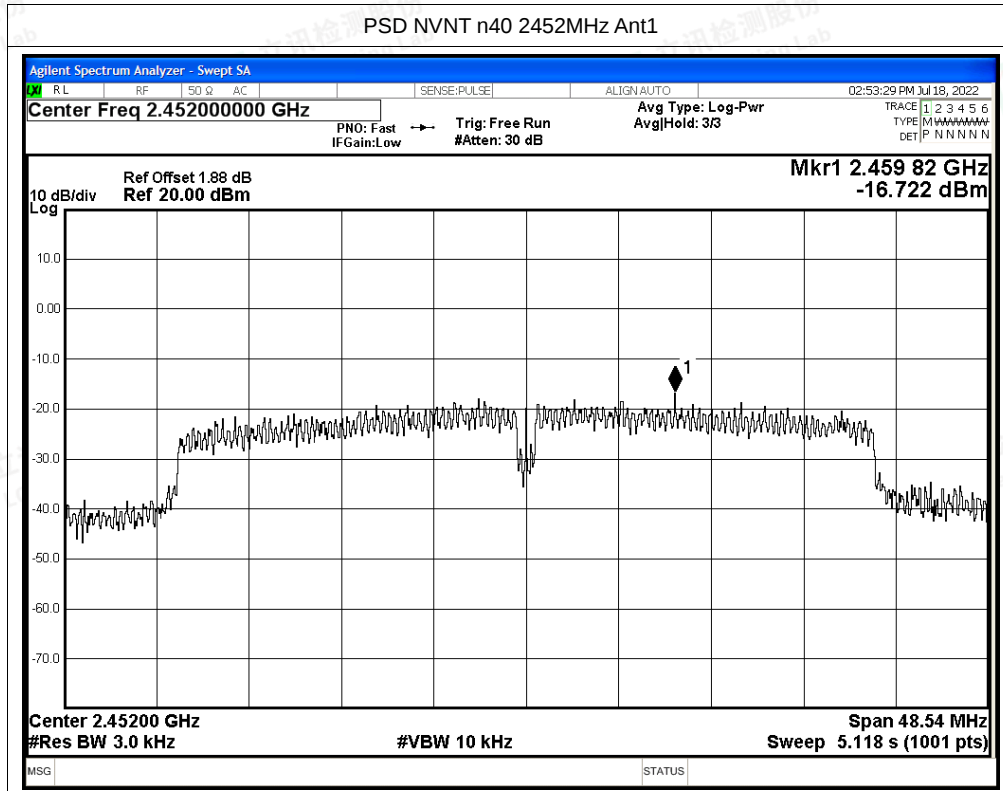


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A.4 Band Edge

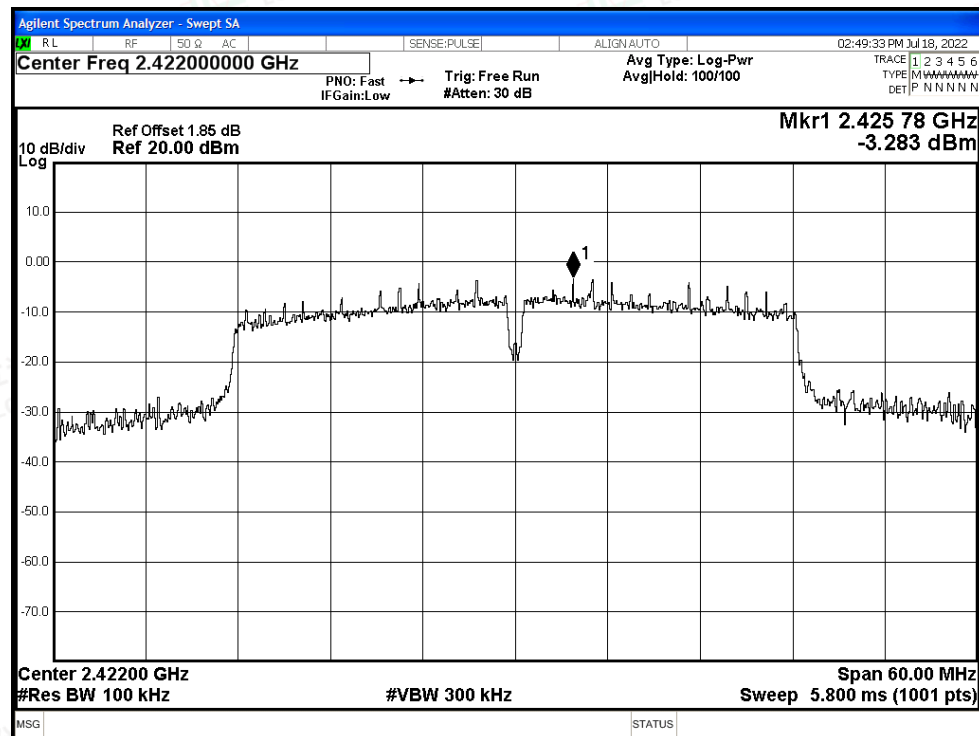
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	n40	2422	Ant1	-27.64	-20	Pass
NVNT	n40	2452	Ant1	-20.12	-20	Pass



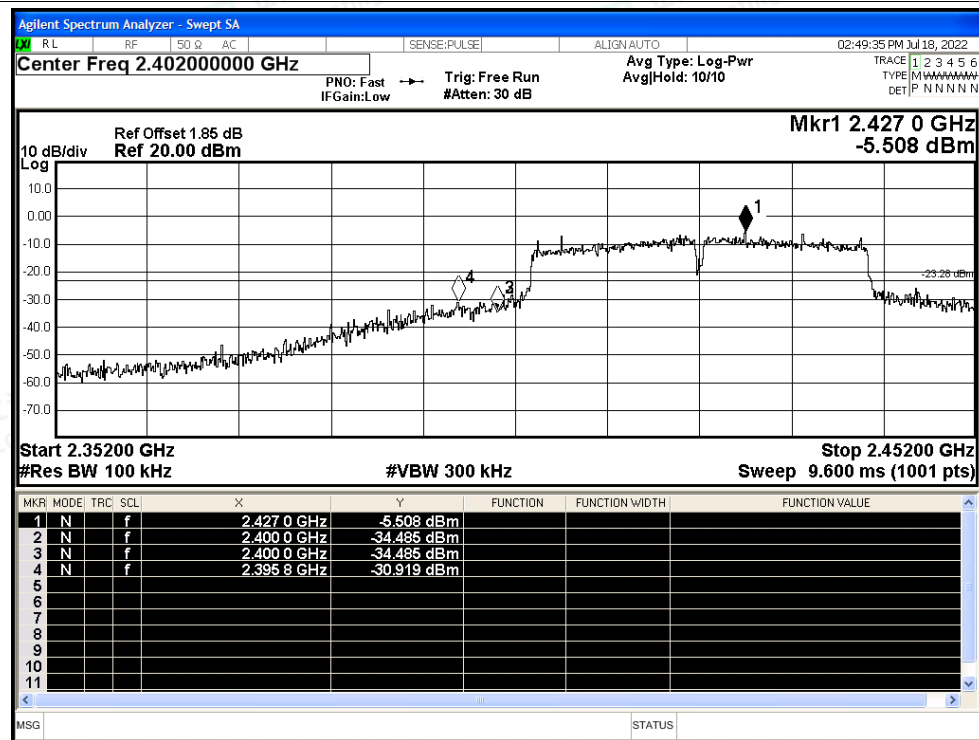


Test Graphs

Band Edge NVNT n40 2422MHz Ant1 Ref



Band Edge NVNT n40 2422MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

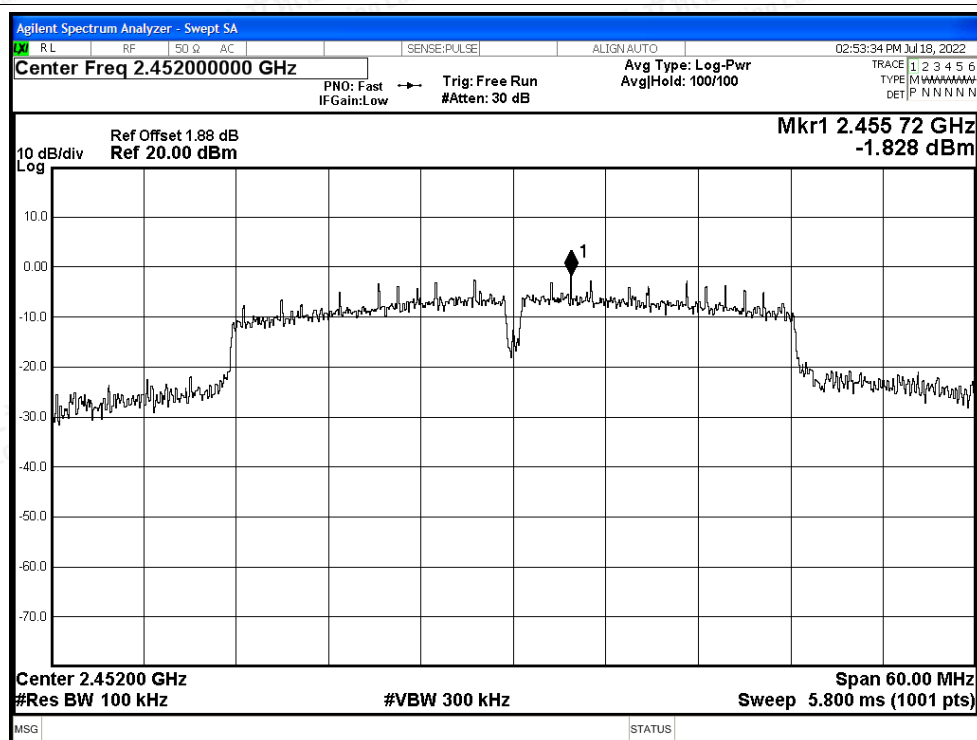
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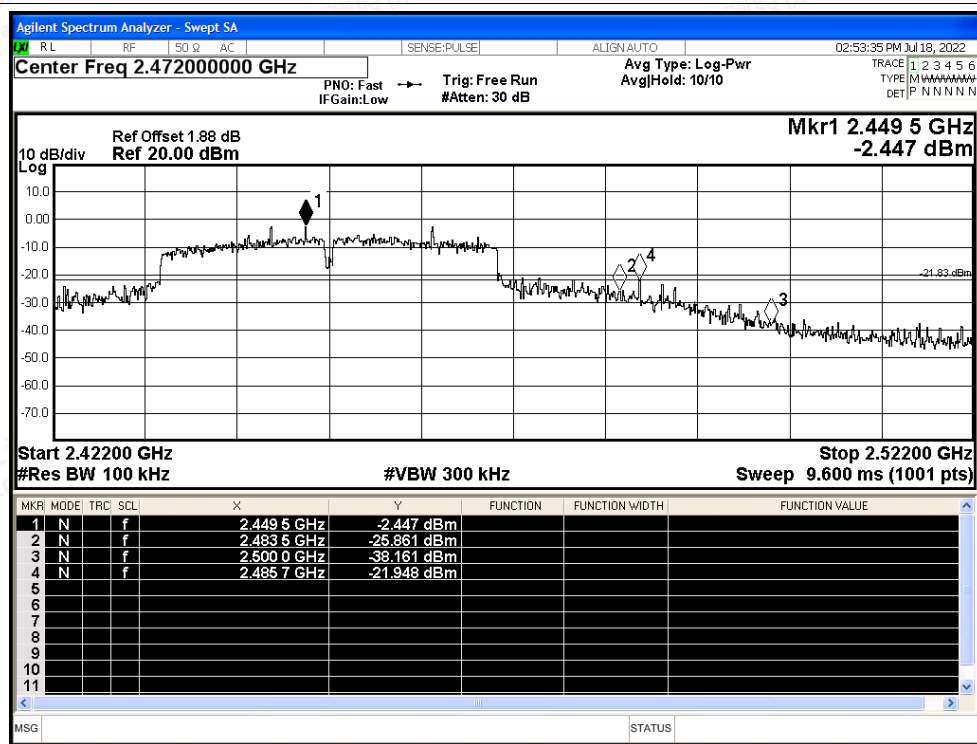
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Band Edge NVNT n40 2452MHz Ant1 Ref



Band Edge NVNT n40 2452MHz Ant1 Emission



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A.5 Conducted RF Spurious Emission

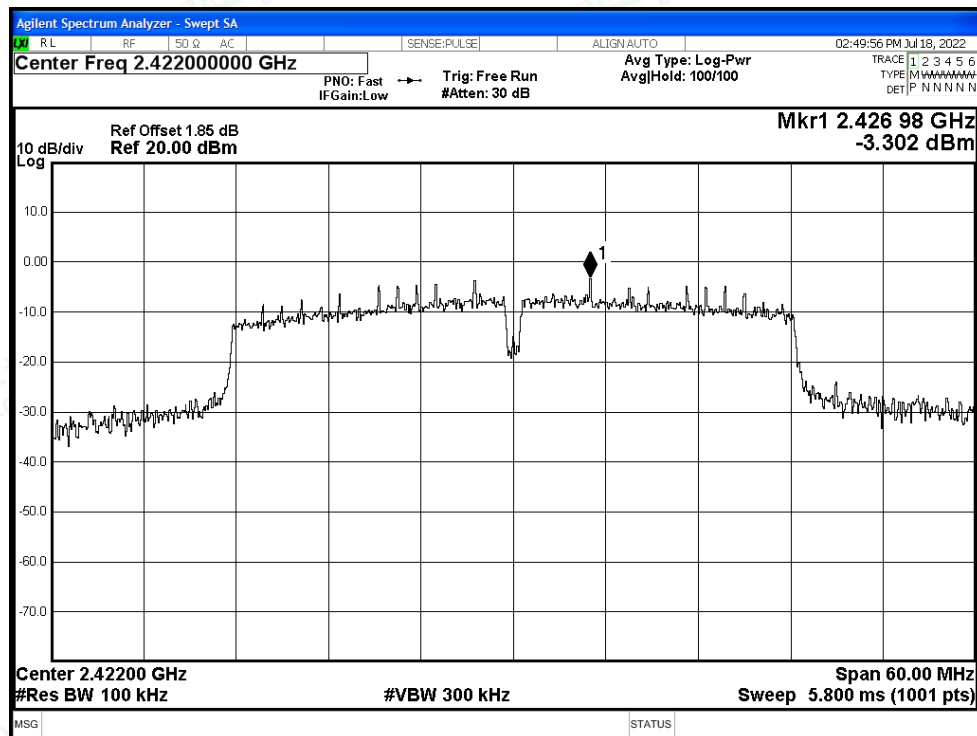
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	n40	2422	Ant1	-43.94	-20	Pass
NVNT	n40	2437	Ant1	-40.41	-20	Pass
NVNT	n40	2452	Ant1	-34.49	-20	Pass



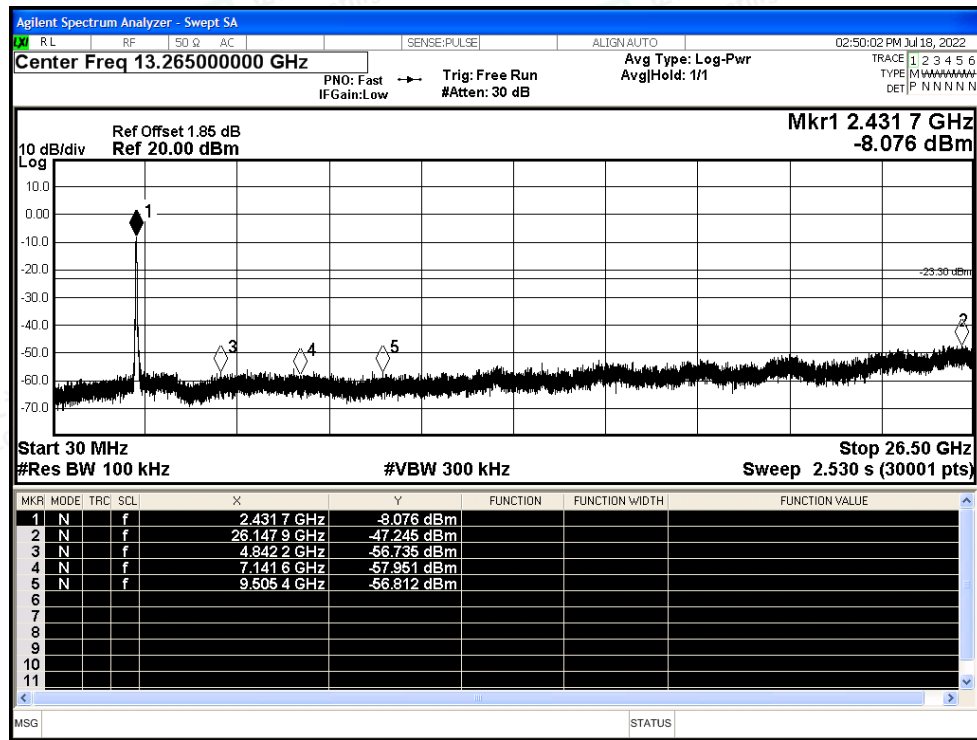


Test Graphs

Tx. Spurious NVNT n40 2422MHz Ant1 Ref



Tx. Spurious NVNT n40 2422MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

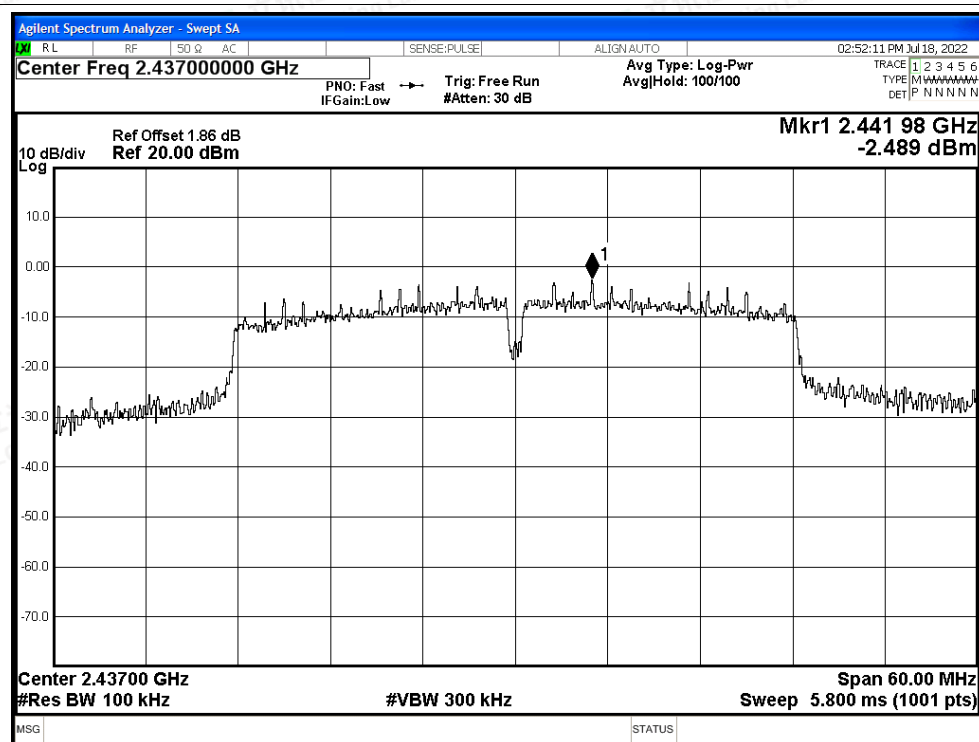
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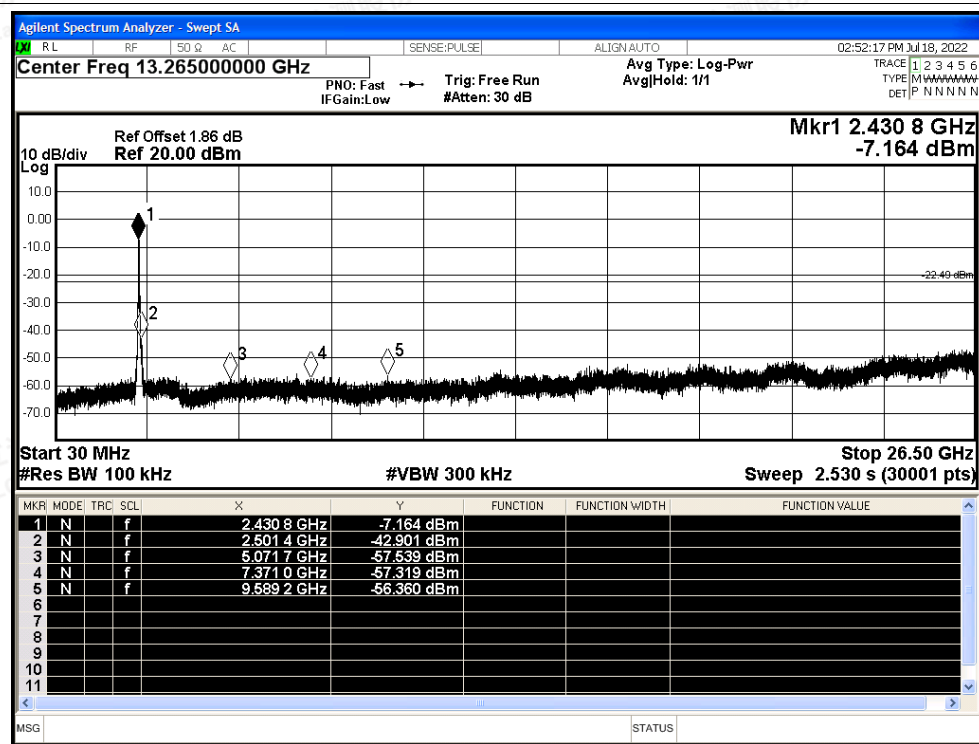
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Tx. Spurious NVNT n40 2437MHz Ant1 Ref



Tx. Spurious NVNT n40 2437MHz Ant1 Emission



Shenzhen LCS Compliance Testing Laboratory Ltd.

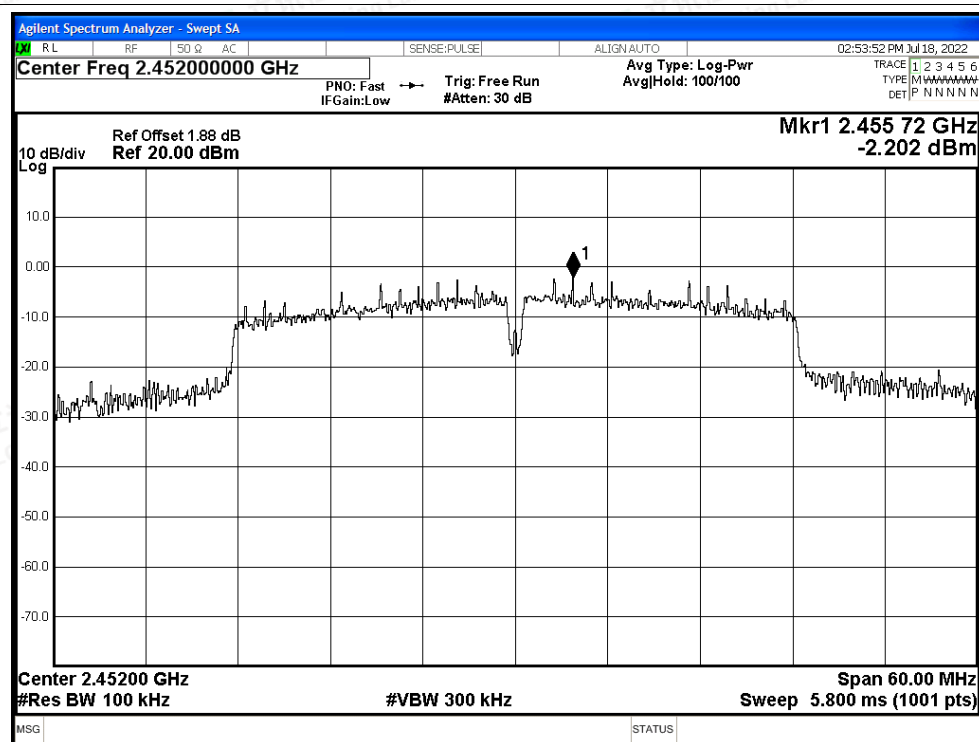
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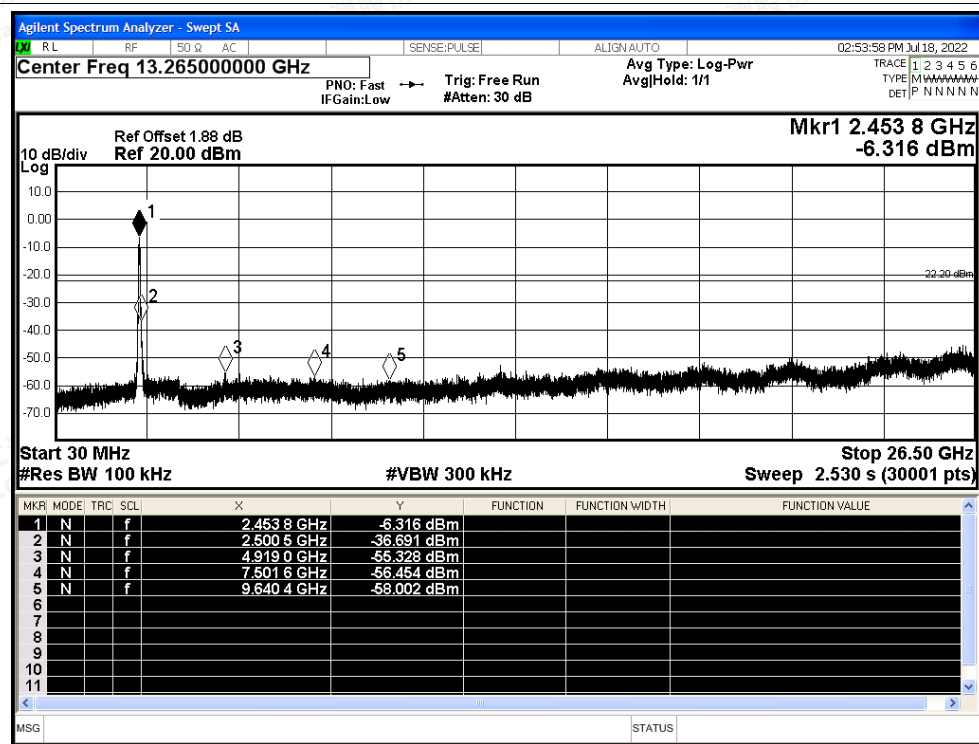
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Tx. Spurious NVNT n40 2452MHz Ant1 Ref



Tx. Spurious NVNT n40 2452MHz Ant1 Emission



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A.6 Duty Cycle

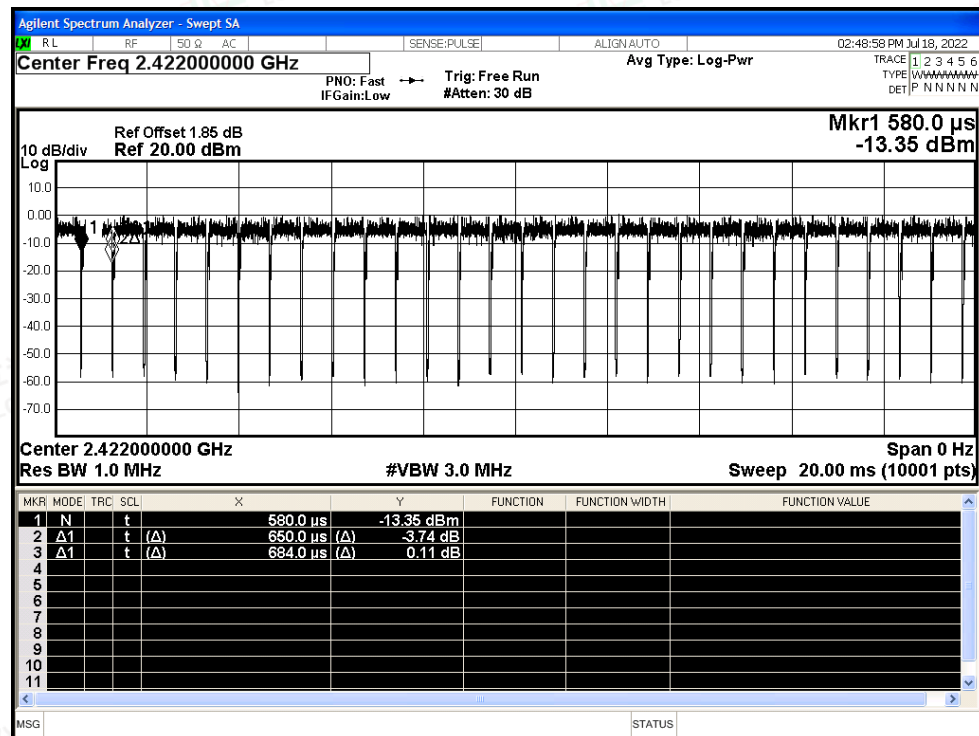
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	n40	2422	Ant1	95.03	0.22	1.54
NVNT	n40	2437	Ant1	95.03	0.22	1.54
NVNT	n40	2452	Ant1	95.03	0.22	1.54



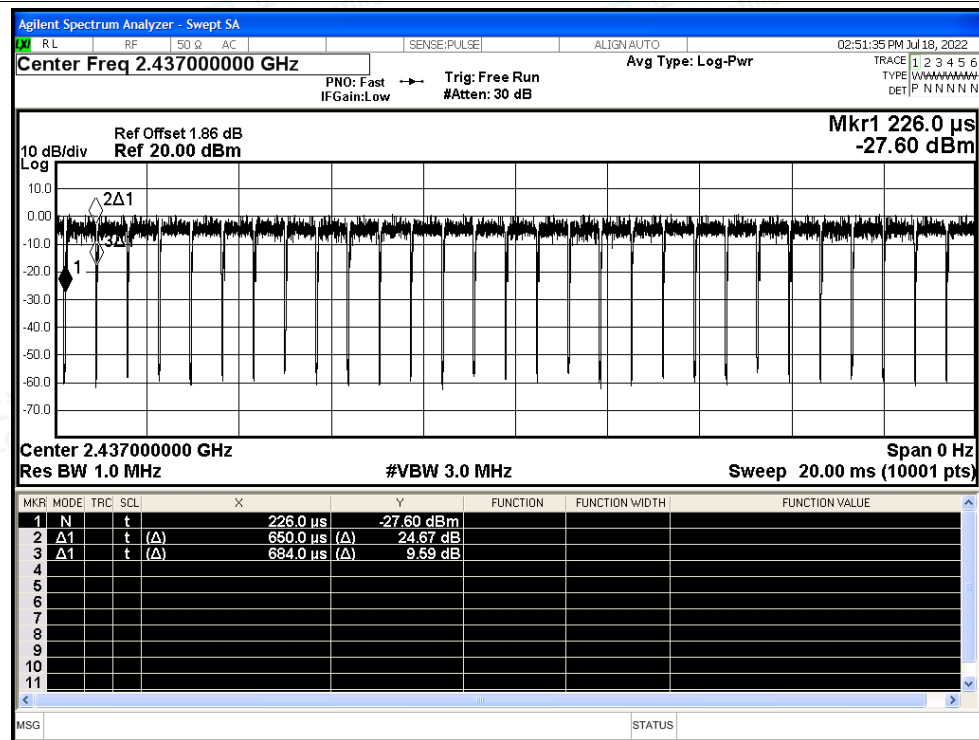


Test Graphs

Duty Cycle NVNT n40 2422MHz Ant1



Duty Cycle NVNT n40 2437MHz Ant1

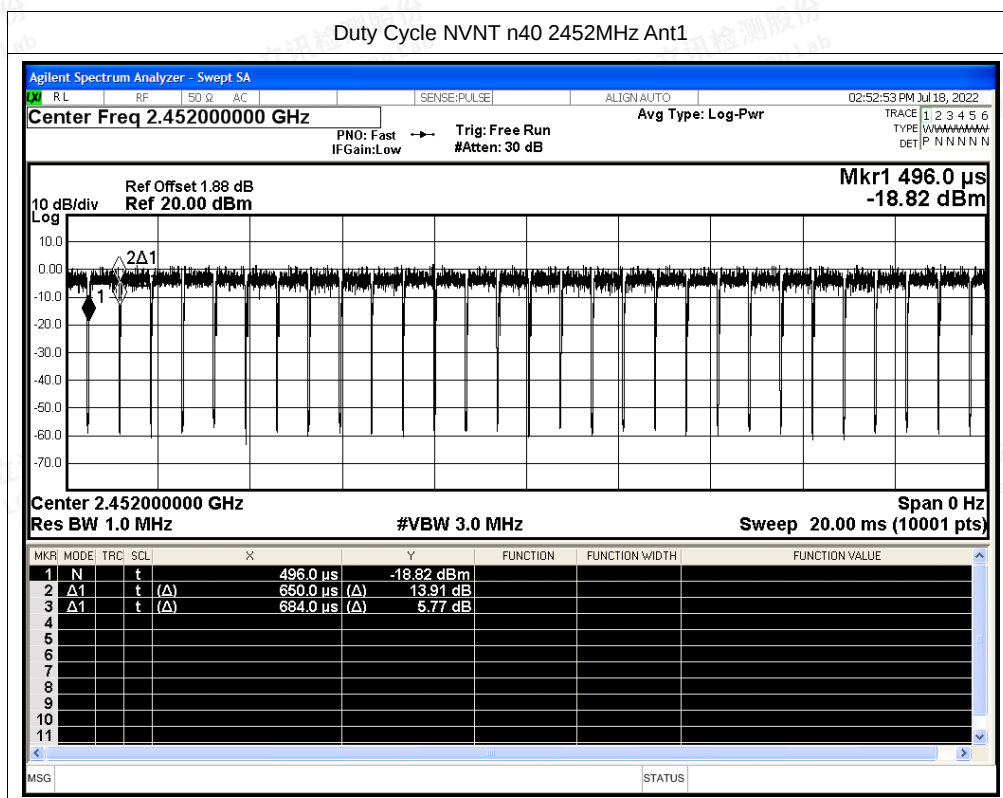


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A.7 Restrict Band

Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	n40	2422	Ant1	2310	-51.42	2	45.84	Peak	74	Pass
NVNT	n40	2422	Ant1	2310	-59.75	2	37.51	Average	54	Pass
NVNT	n40	2422	Ant1	2387.39	-32.18	2	65.08	Peak	74	Pass
NVNT	n40	2422	Ant1	2389.804	-54.77	2	42.49	Average	54	Pass
NVNT	n40	2422	Ant1	2390	-43.75	2	53.51	Peak	74	Pass
NVNT	n40	2422	Ant1	2390	-54.6	2	42.66	Average	54	Pass
NVNT	n40	2452	Ant1	2483.5	-32.27	2	64.99	Peak	74	Pass
NVNT	n40	2452	Ant1	2483.5	-46.52	2	50.74	Average	54	Pass
NVNT	n40	2452	Ant1	2484.79	-23.88	2	73.38	Peak	74	Pass
NVNT	n40	2452	Ant1	2487.598	-46.42	2	50.84	Average	54	Pass
NVNT	n40	2452	Ant1	2500	-36.19	2	61.07	Peak	74	Pass
NVNT	n40	2452	Ant1	2500	-50.11	2	47.15	Average	54	Pass



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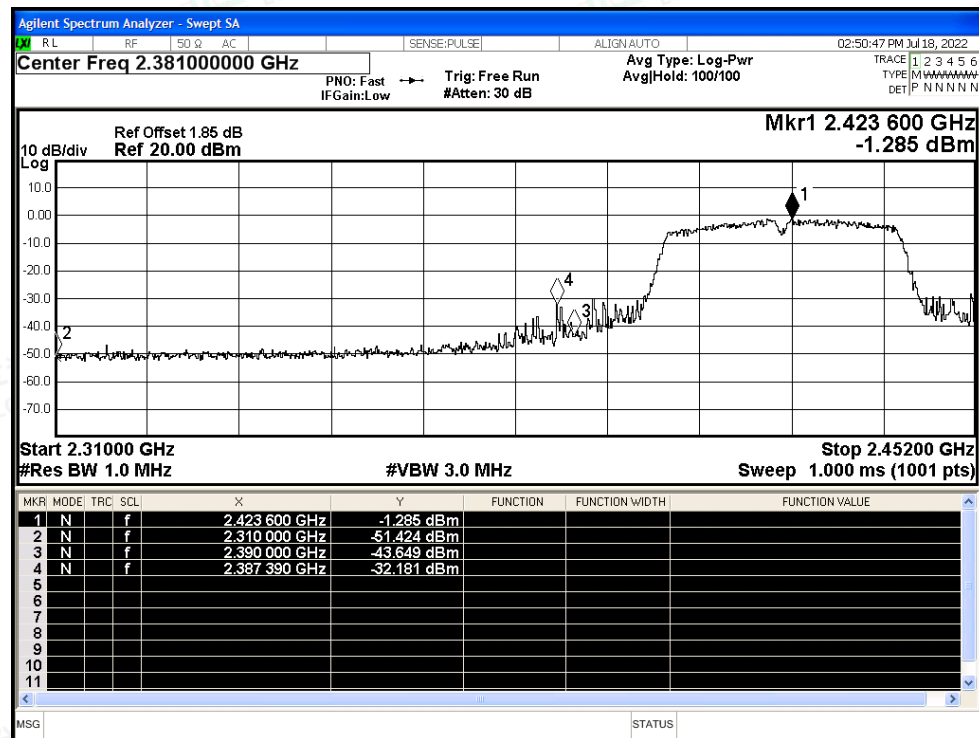
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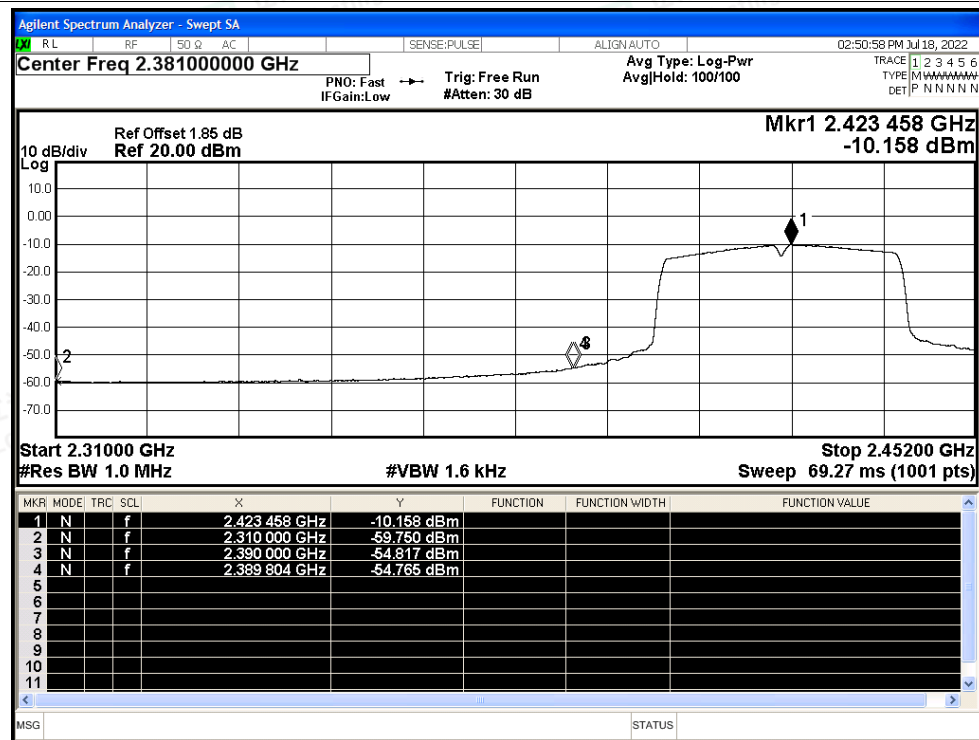


Test Graphs

Restrict Band NVNT n40 2422MHz Ant1 Peak



Restrict Band NVNT n40 2422MHz Ant1 Average



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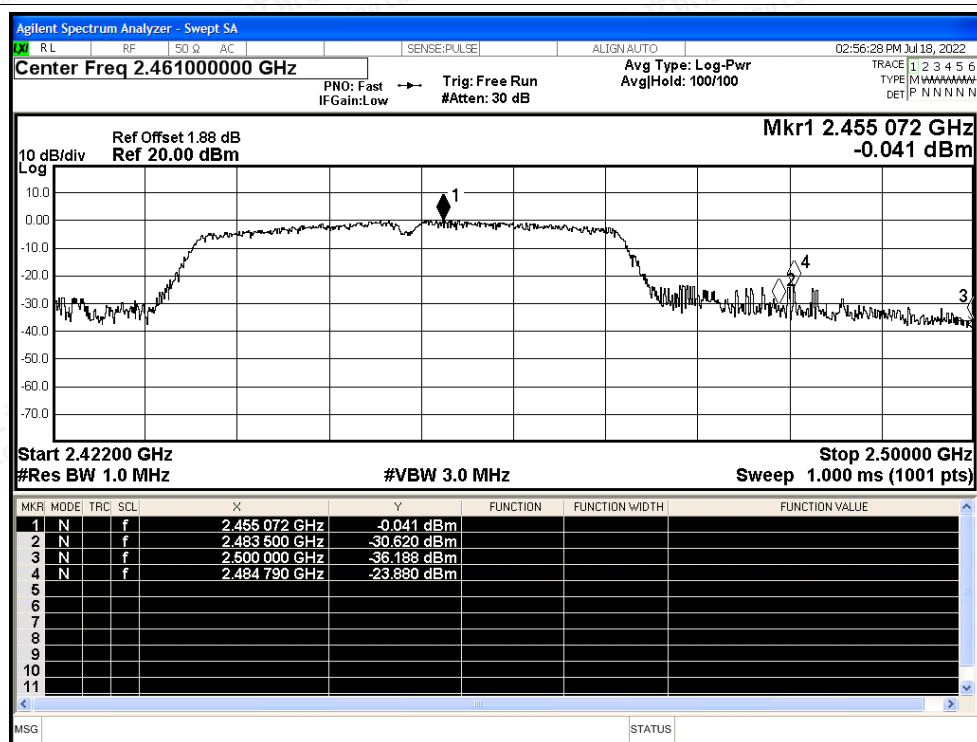
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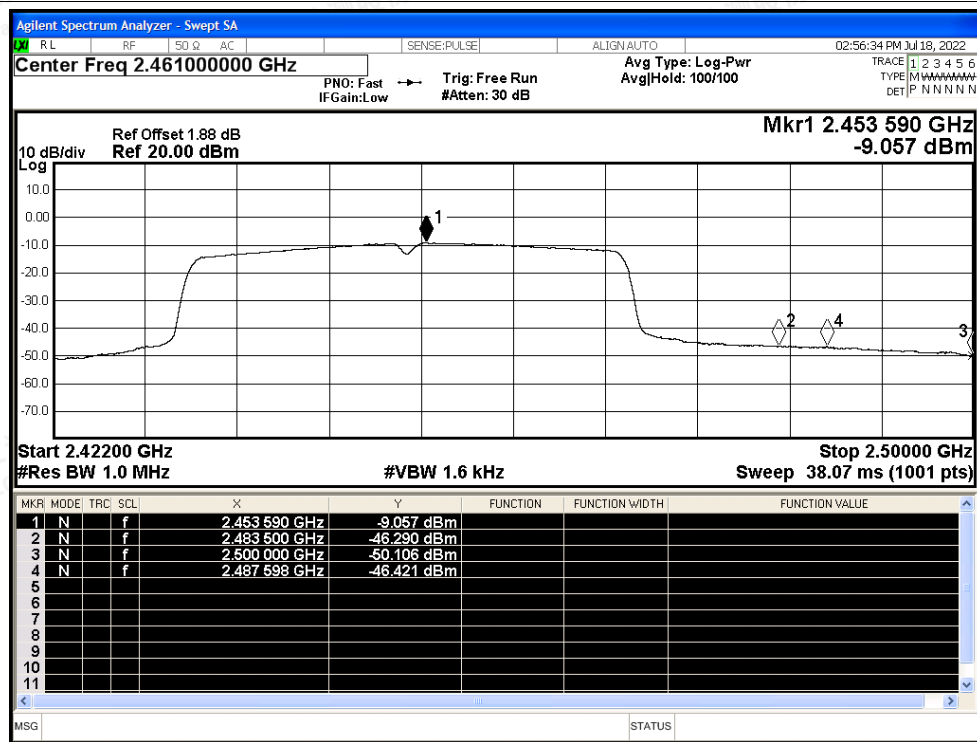
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Restrict Band NVNT n40 2452MHz Ant1 Peak



Restrict Band NVNT n40 2452MHz Ant1 Average



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