

Appendix C

RF Test Data for 2.4GWIFI(Conducted Measurement)

Product Name: Projector

Test Model: X3

Environmental Conditions

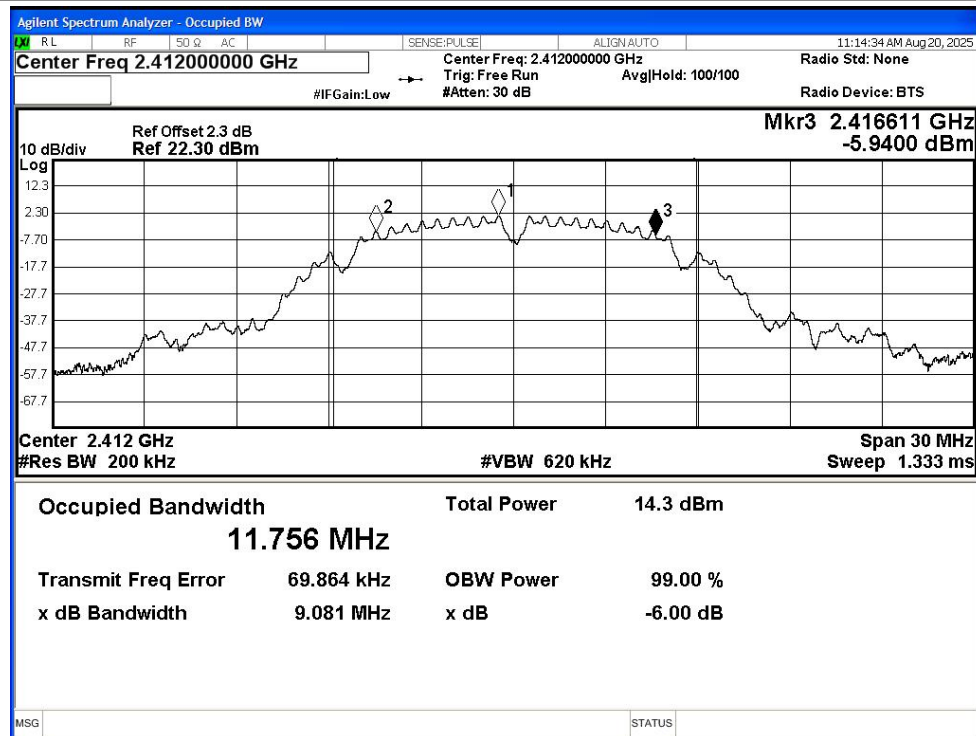
Temperature:	23.6°C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Jone Lee
Supervised by:	Fengliu Tang

C.1 -6dB Bandwidth

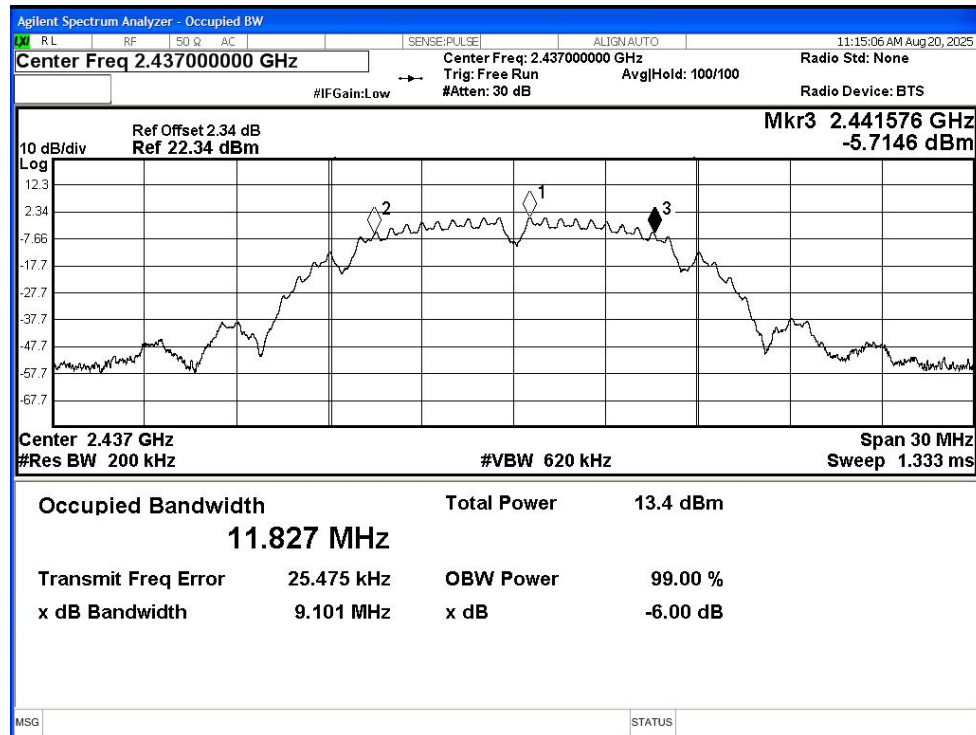
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	9.081	≥ 0.5	Pass
NVNT	b	2437	Ant1	9.101	≥ 0.5	Pass
NVNT	b	2462	Ant1	9.102	≥ 0.5	Pass
NVNT	g	2412	Ant1	16.21	≥ 0.5	Pass
NVNT	g	2437	Ant1	16.359	≥ 0.5	Pass
NVNT	g	2462	Ant1	16.364	≥ 0.5	Pass
NVNT	n20	2412	Ant1	17.281	≥ 0.5	Pass
NVNT	n20	2437	Ant1	17.327	≥ 0.5	Pass
NVNT	n20	2462	Ant1	17.267	≥ 0.5	Pass
NVNT	n40	2422	Ant1	35.856	≥ 0.5	Pass
NVNT	n40	2437	Ant1	35.862	≥ 0.5	Pass
NVNT	n40	2452	Ant1	35.959	≥ 0.5	Pass

Test Graphs

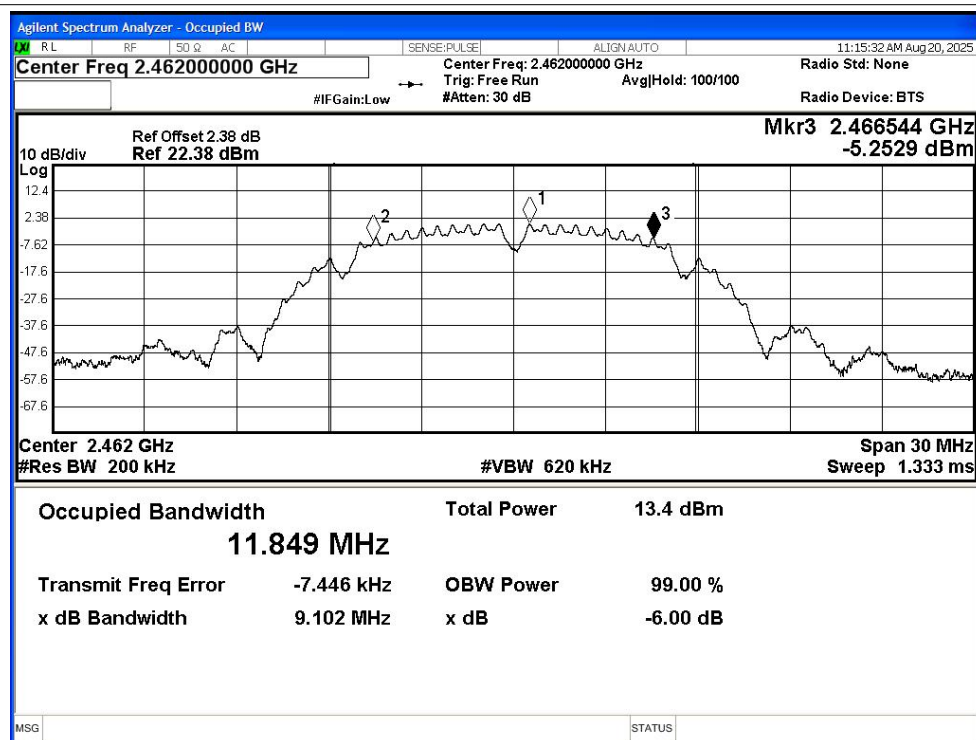
-6dB Bandwidth NVNT b 2412MHz Ant1



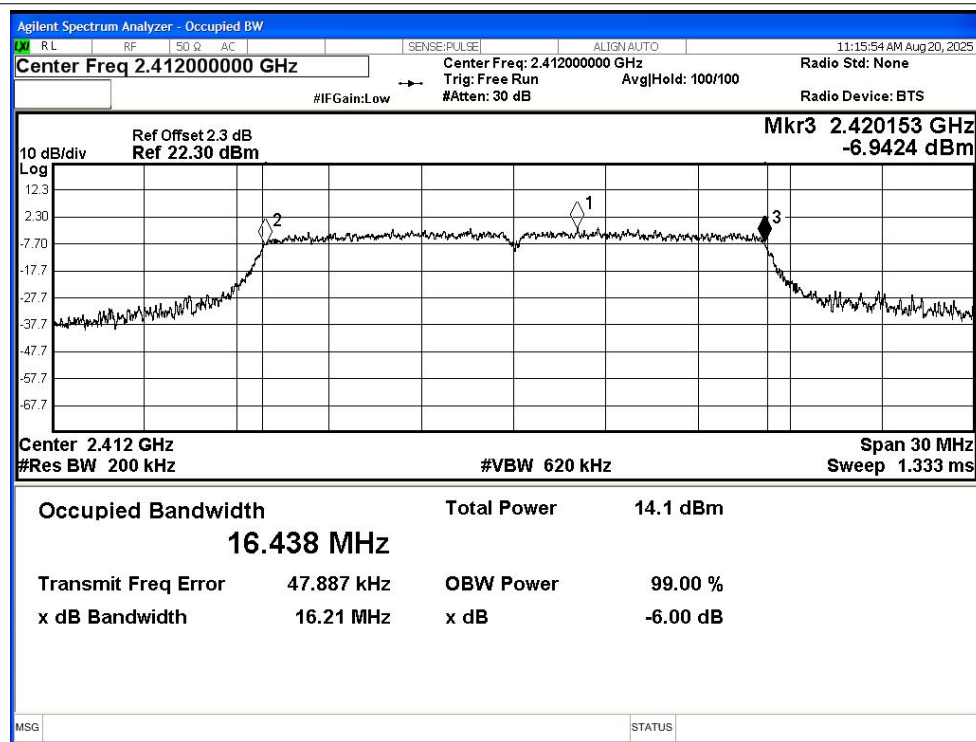
-6dB Bandwidth NVNT b 2437MHz Ant1



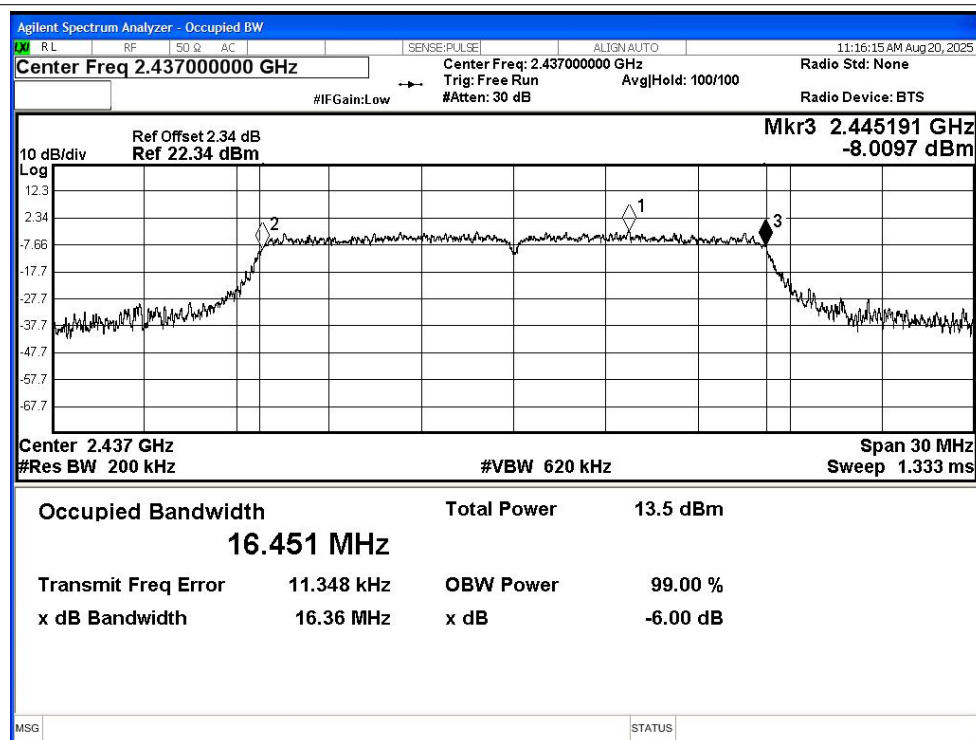
-6dB Bandwidth NVNT b 2462MHz Ant1



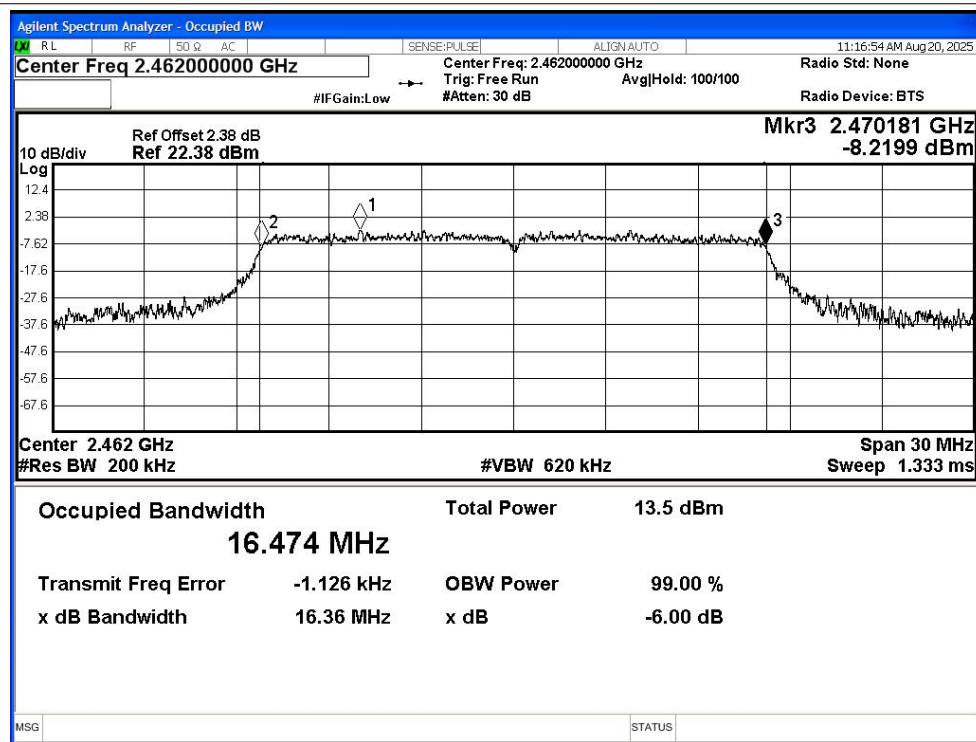
-6dB Bandwidth NVNT g 2412MHz Ant1



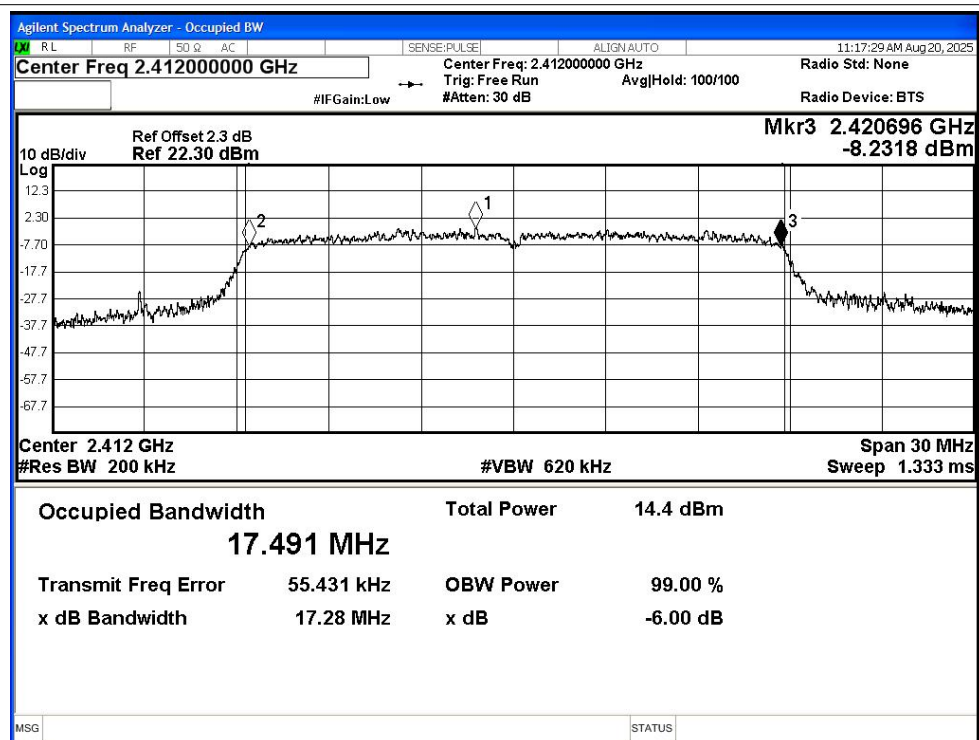
-6dB Bandwidth NVNT g 2437MHz Ant1



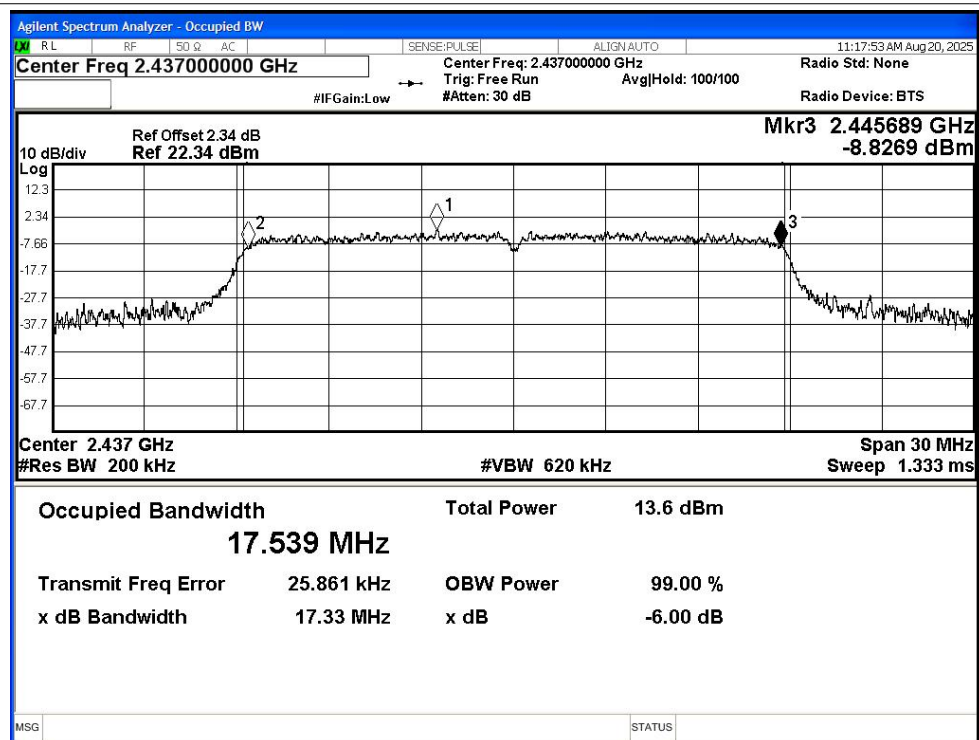
-6dB Bandwidth NVNT g 2462MHz Ant1



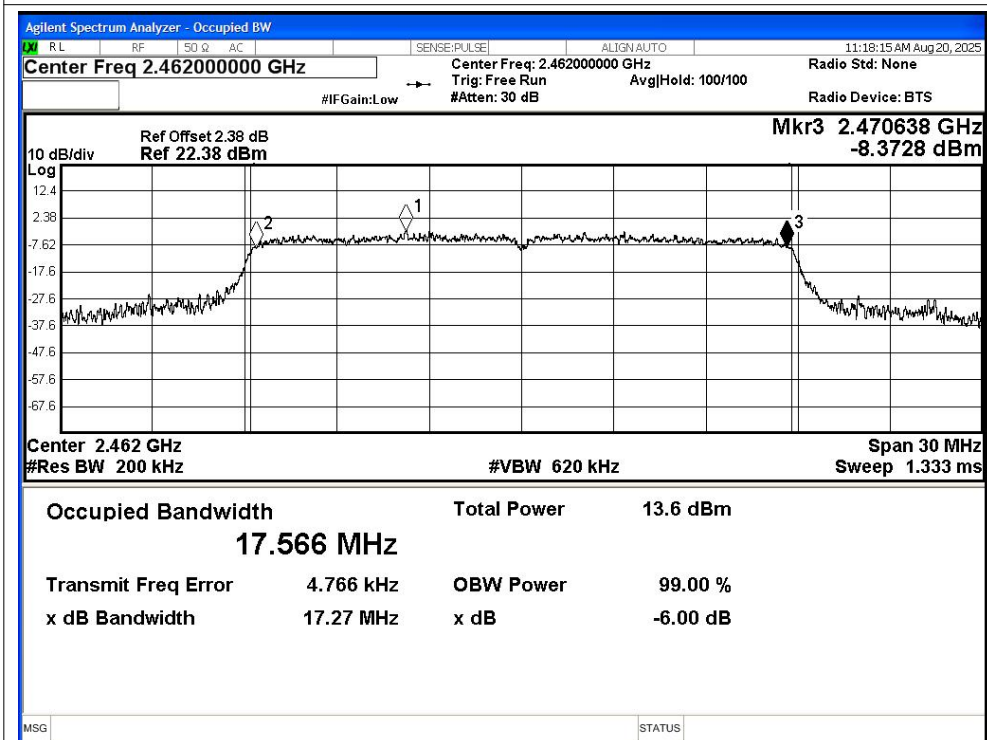
-6dB Bandwidth NVNT n20 2412MHz Ant1



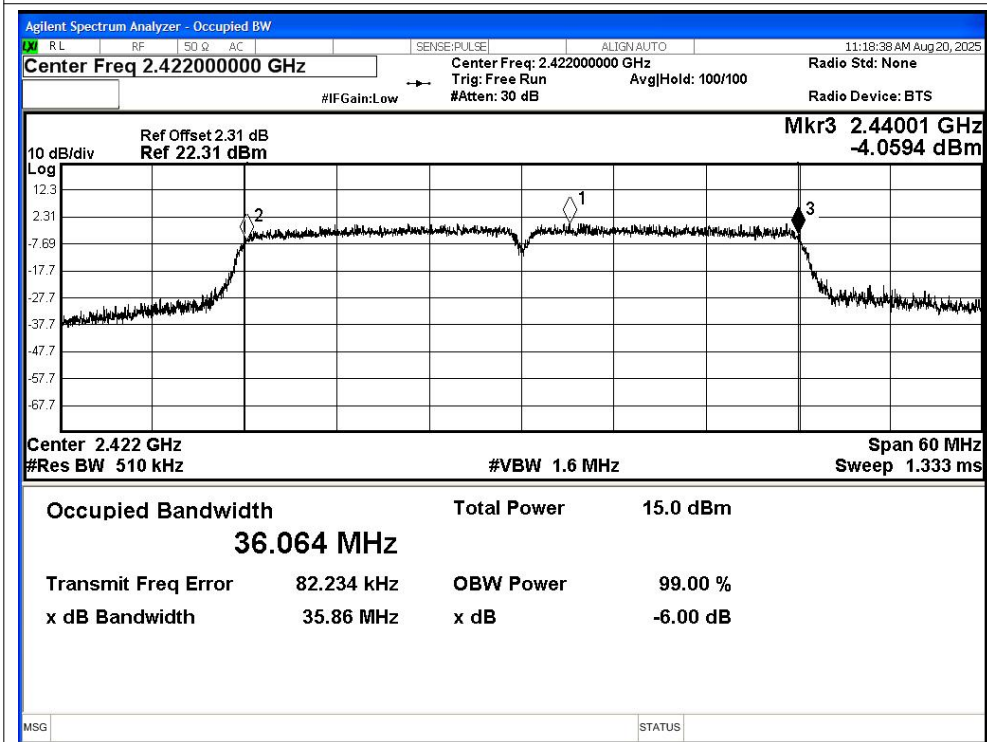
-6dB Bandwidth NVNT n20 2437MHz Ant1



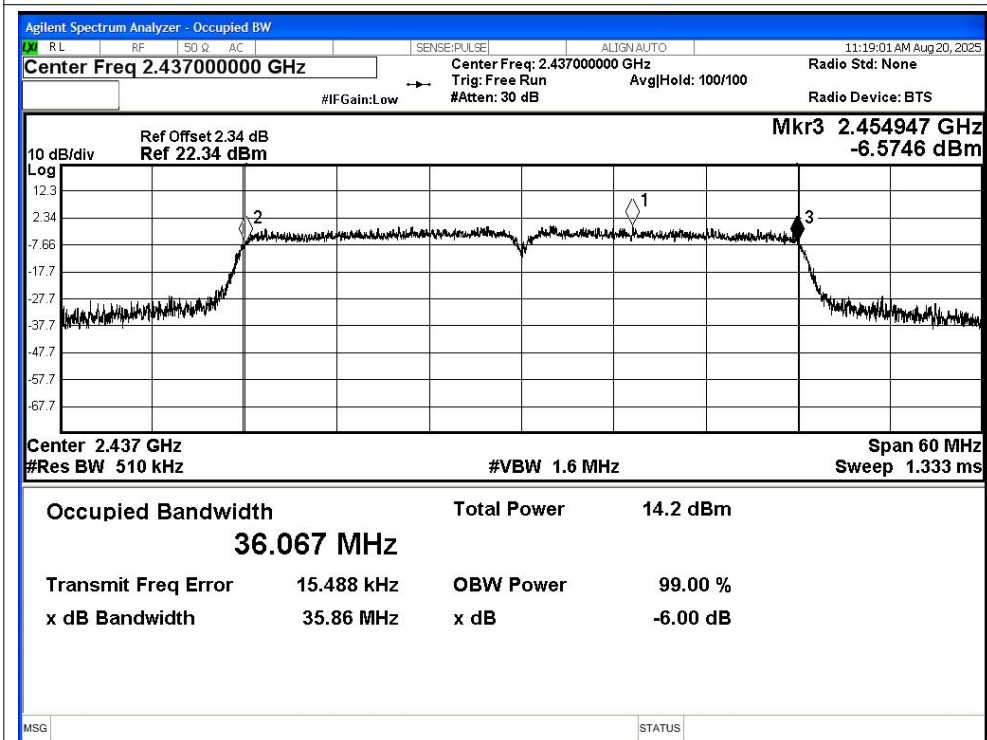
-6dB Bandwidth NVNT n20 2462MHz Ant1



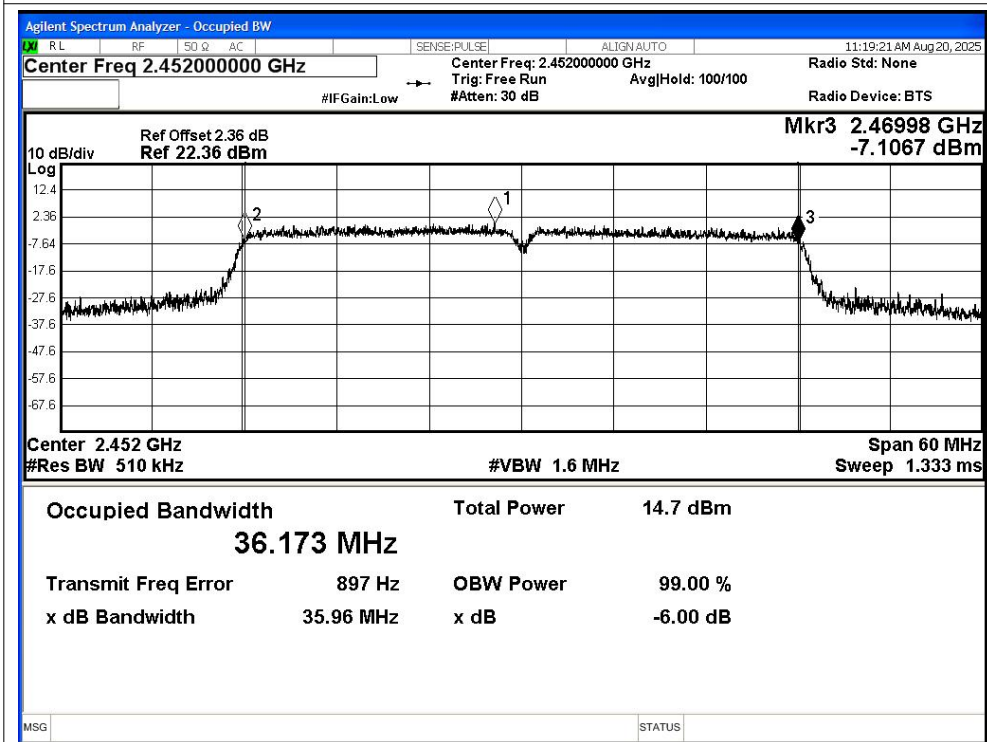
-6dB Bandwidth NVNT n40 2422MHz Ant1



-6dB Bandwidth NVNT n40 2437MHz Ant1



-6dB Bandwidth NVNT n40 2452MHz Ant1



C.2 Maximum Peak Conducted Output Power

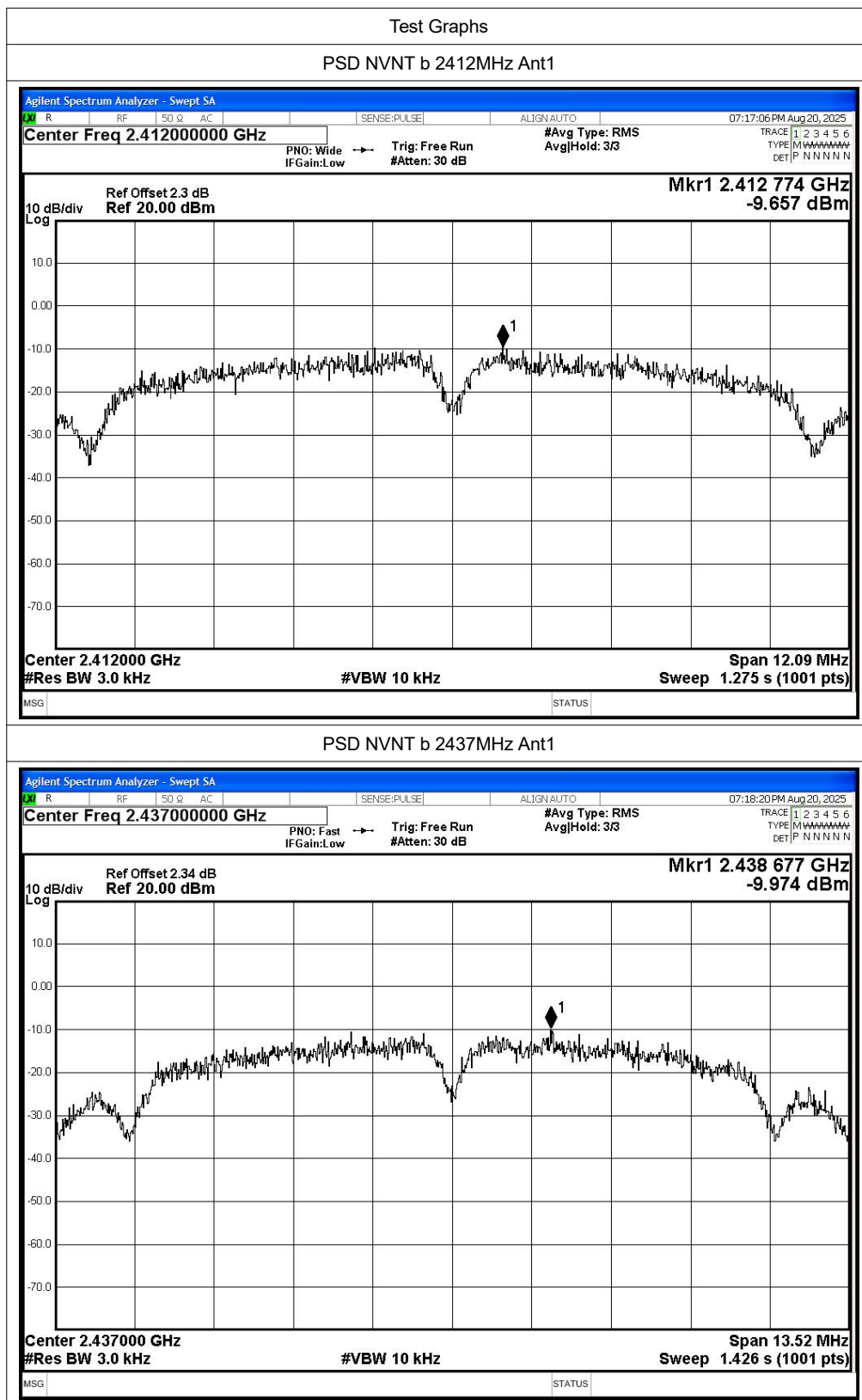
Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	14.97	30	Pass
NVNT	b	2437	Ant1	14.21	30	Pass
NVNT	b	2462	Ant1	14.25	30	Pass
NVNT	g	2412	Ant1	14.18	30	Pass
NVNT	g	2437	Ant1	14.52	30	Pass
NVNT	g	2462	Ant1	14.72	30	Pass
NVNT	n20	2412	Ant1	13.64	30	Pass
NVNT	n20	2437	Ant1	13.81	30	Pass
NVNT	n20	2462	Ant1	12.99	30	Pass
NVNT	n40	2422	Ant1	13.25	30	Pass
NVNT	n40	2437	Ant1	13.16	30	Pass
NVNT	n40	2452	Ant1	12.85	30	Pass

EIRP

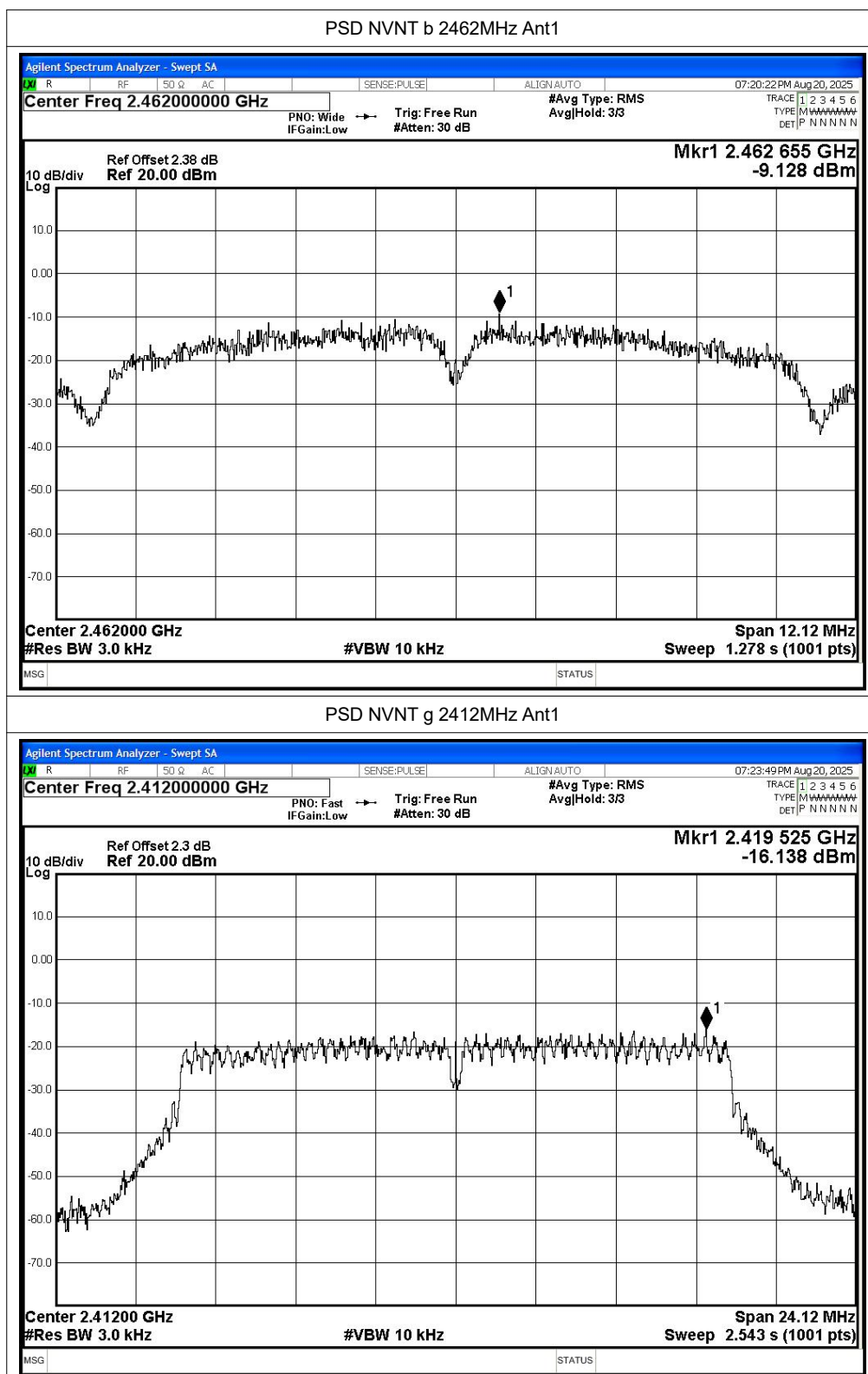
TestMode	Antenna	Frequency (MHz)	Conducted Power (dBm)	Antenna gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
b	Ant1	2412	14.97	5.3	20.27	36	Pass
b	Ant1	2437	14.21	5.3	19.51	36	Pass
b	Ant1	2462	14.25	5.3	19.55	36	Pass
g	Ant1	2412	14.18	5.3	19.48	36	Pass
g	Ant1	2437	14.52	5.3	19.82	36	Pass
g	Ant1	2462	14.72	5.3	20.02	36	Pass
n20	Ant1	2412	13.64	5.3	18.94	36	Pass
n20	Ant1	2437	13.81	5.3	19.11	36	Pass
n20	Ant1	2462	12.99	5.3	18.29	36	Pass
n40	Ant1	2422	13.25	5.3	18.55	36	Pass
n40	Ant1	2437	13.16	5.3	18.46	36	Pass
n40	Ant1	2452	12.85	5.3	18.15	36	Pass

C.3 Maximum Power Spectral Density Level

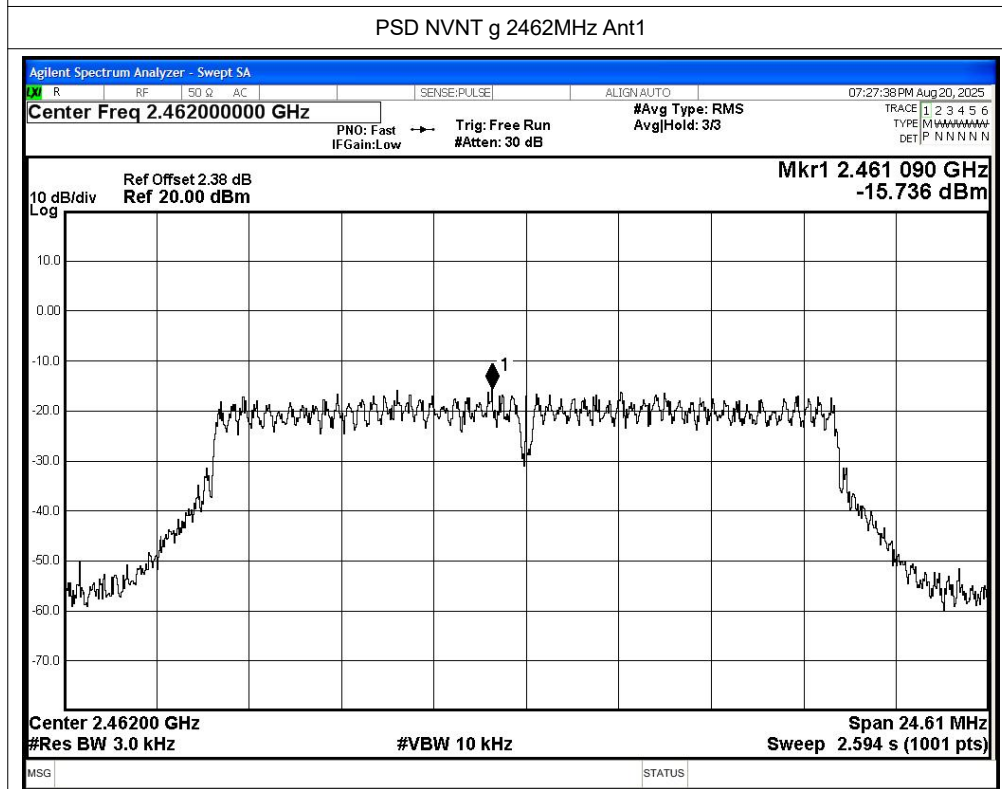
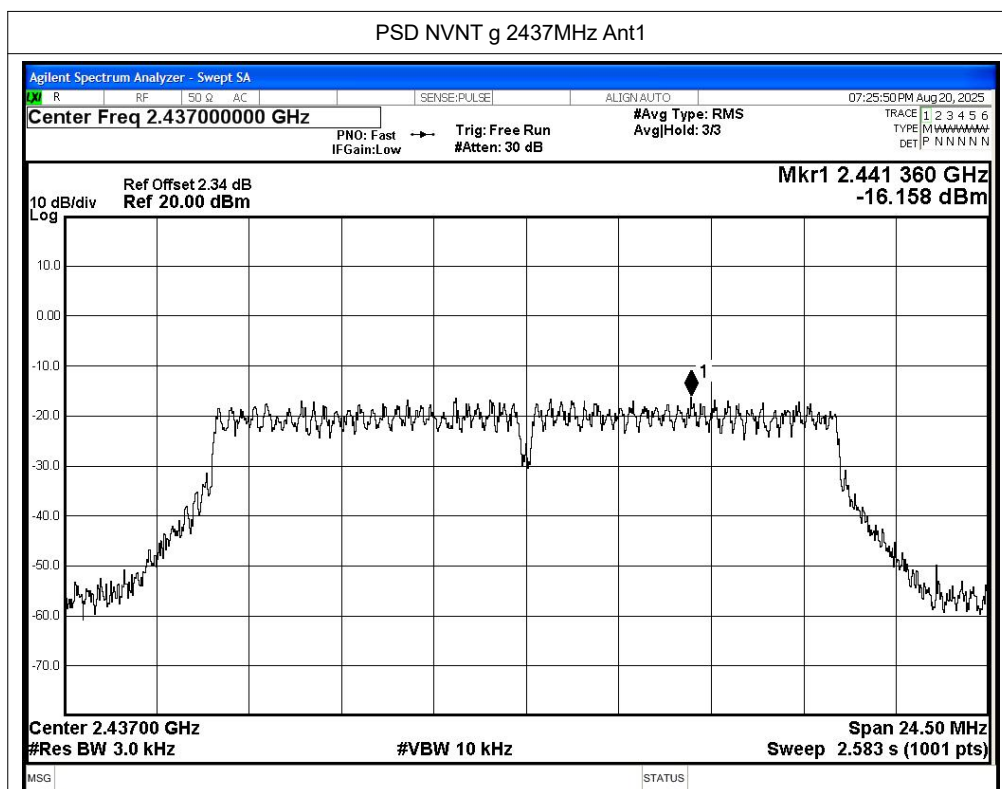
Condition	Mode	Frequency (MHz)	Antenna	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	-9.66	8	Pass
NVNT	b	2437	Ant1	-9.97	8	Pass
NVNT	b	2462	Ant1	-9.13	8	Pass
NVNT	g	2412	Ant1	-16.14	8	Pass
NVNT	g	2437	Ant1	-16.16	8	Pass
NVNT	g	2462	Ant1	-15.74	8	Pass
NVNT	n20	2412	Ant1	-16.44	8	Pass
NVNT	n20	2437	Ant1	-15.82	8	Pass
NVNT	n20	2462	Ant1	-16.19	8	Pass
NVNT	n40	2422	Ant1	-20.03	8	Pass
NVNT	n40	2437	Ant1	-20.72	8	Pass
NVNT	n40	2452	Ant1	-20.91	8	Pass



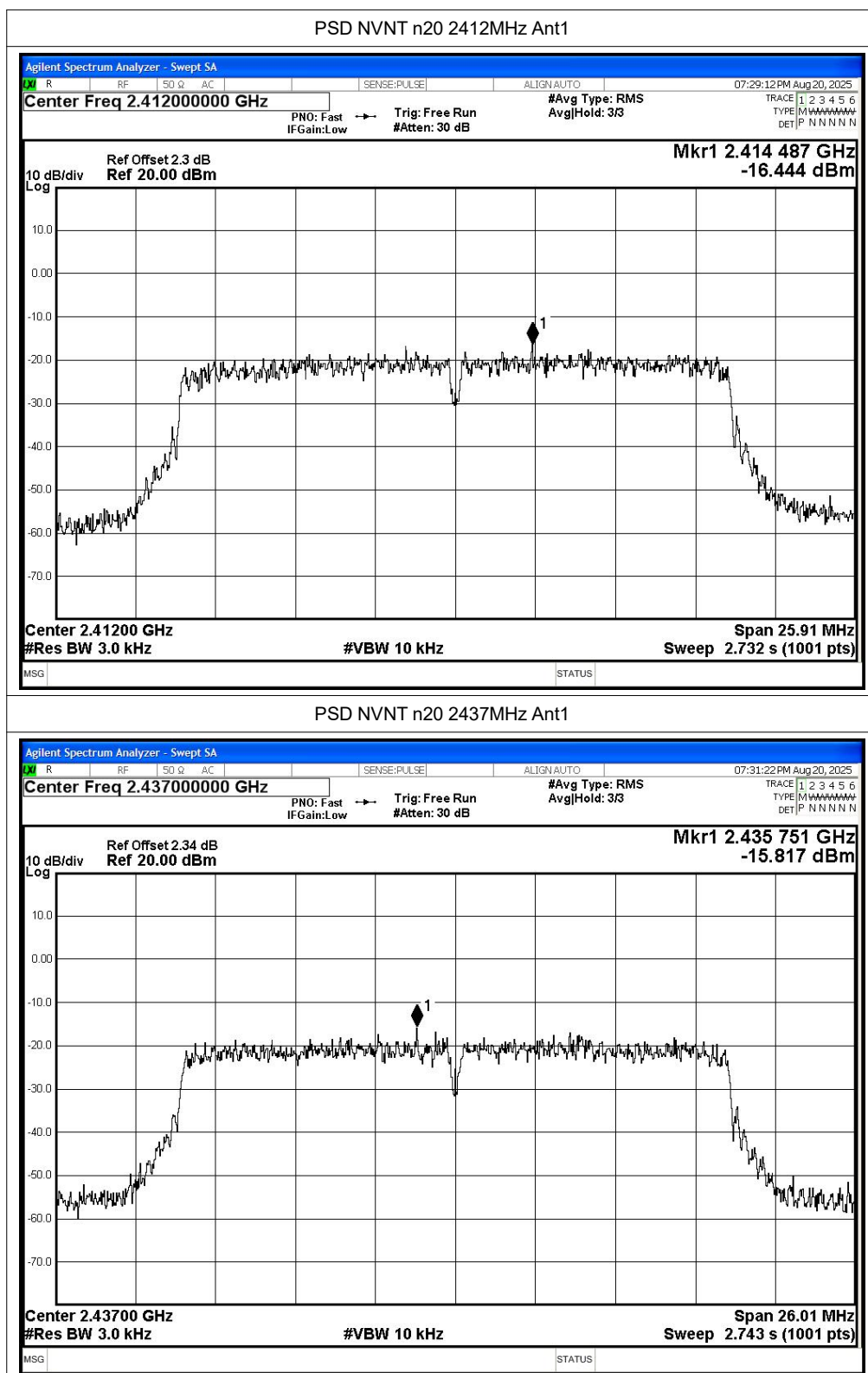
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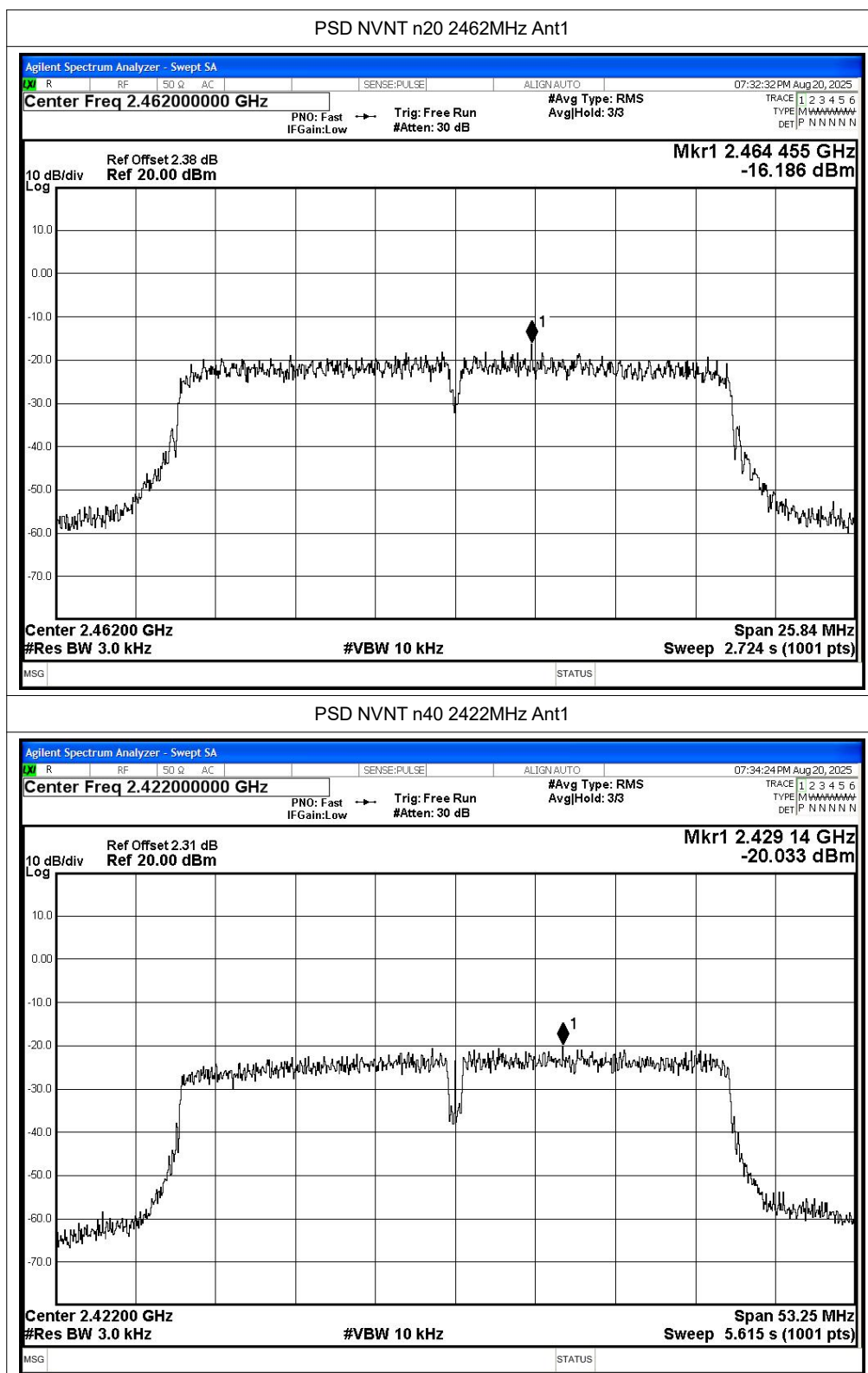
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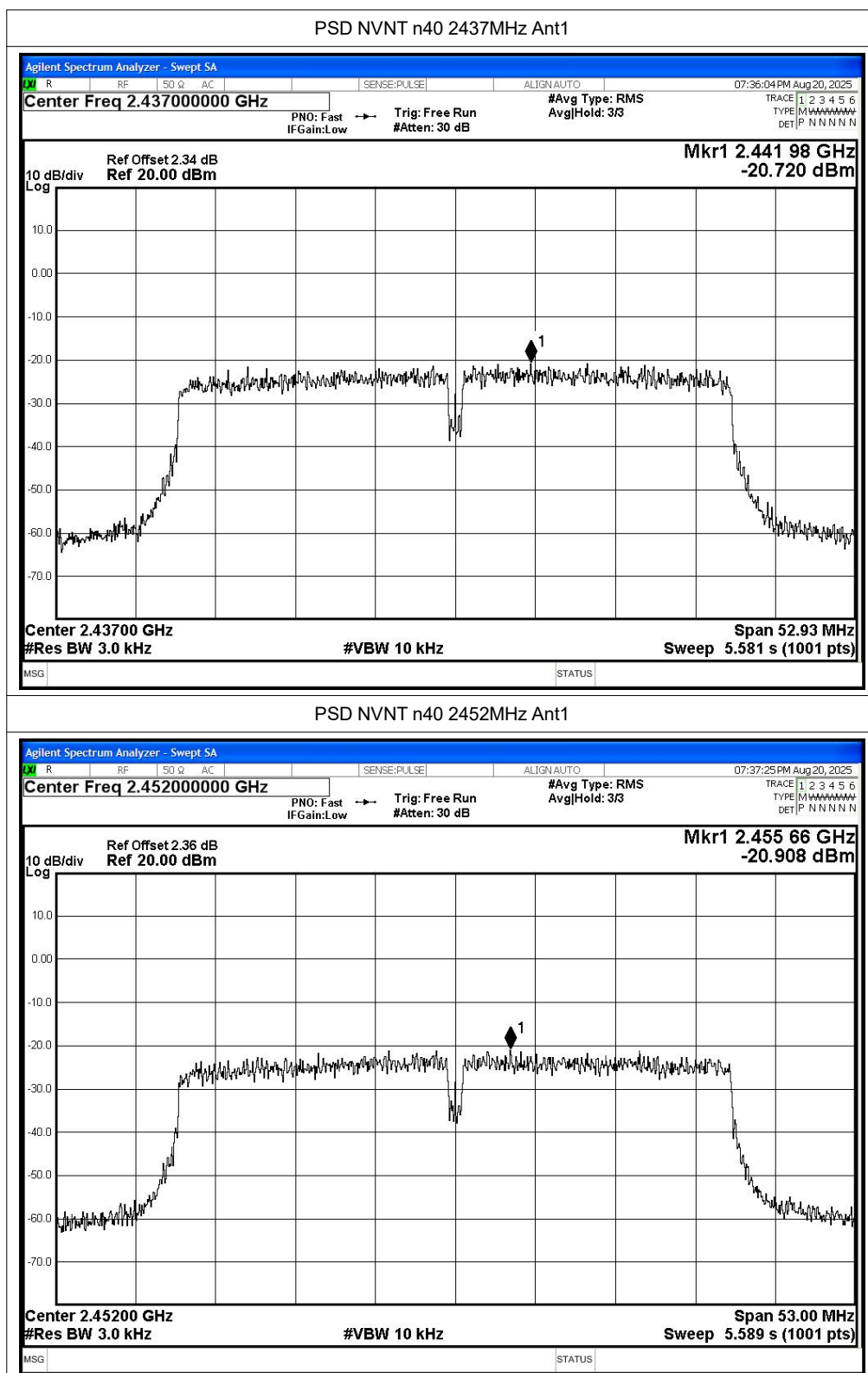
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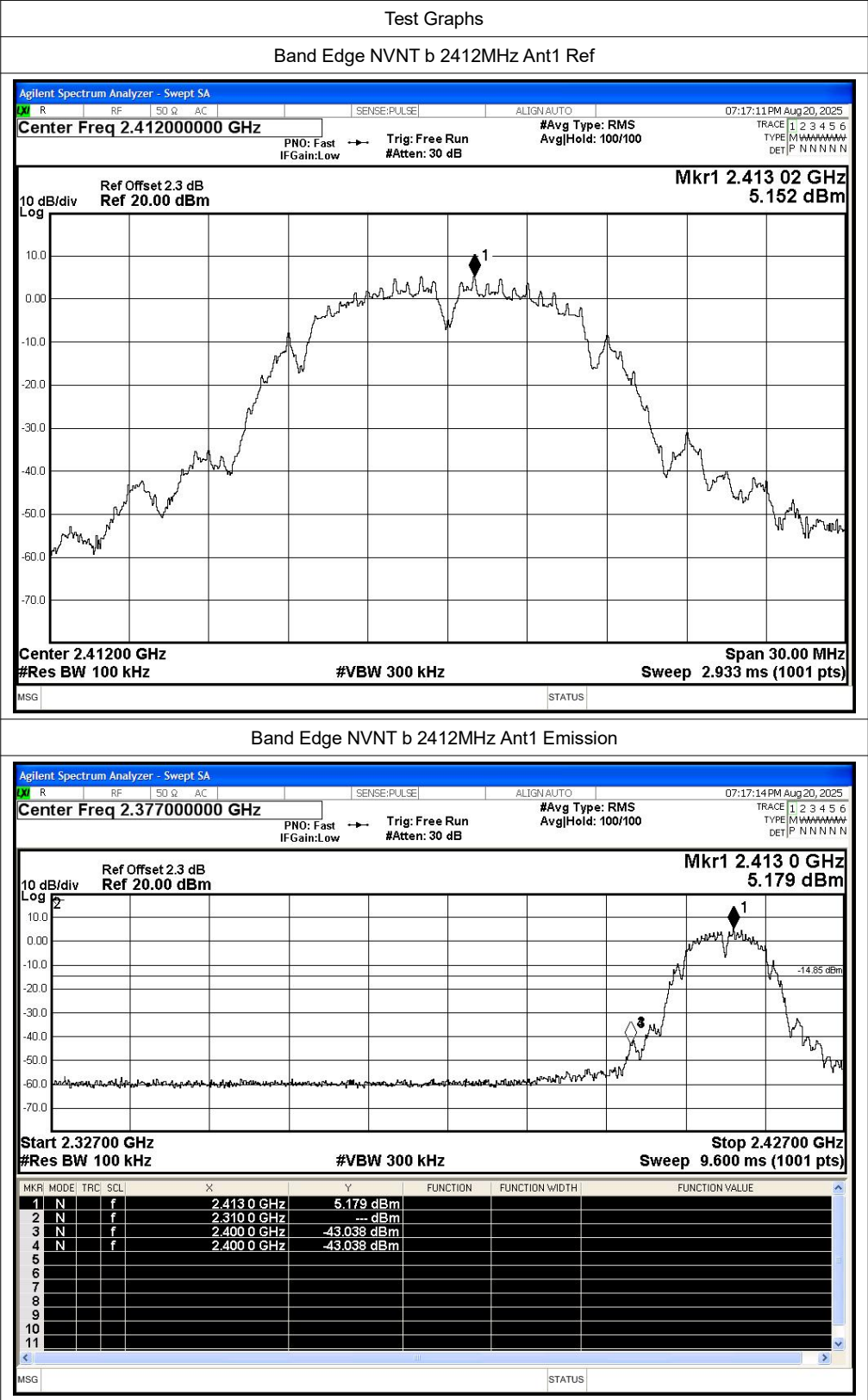


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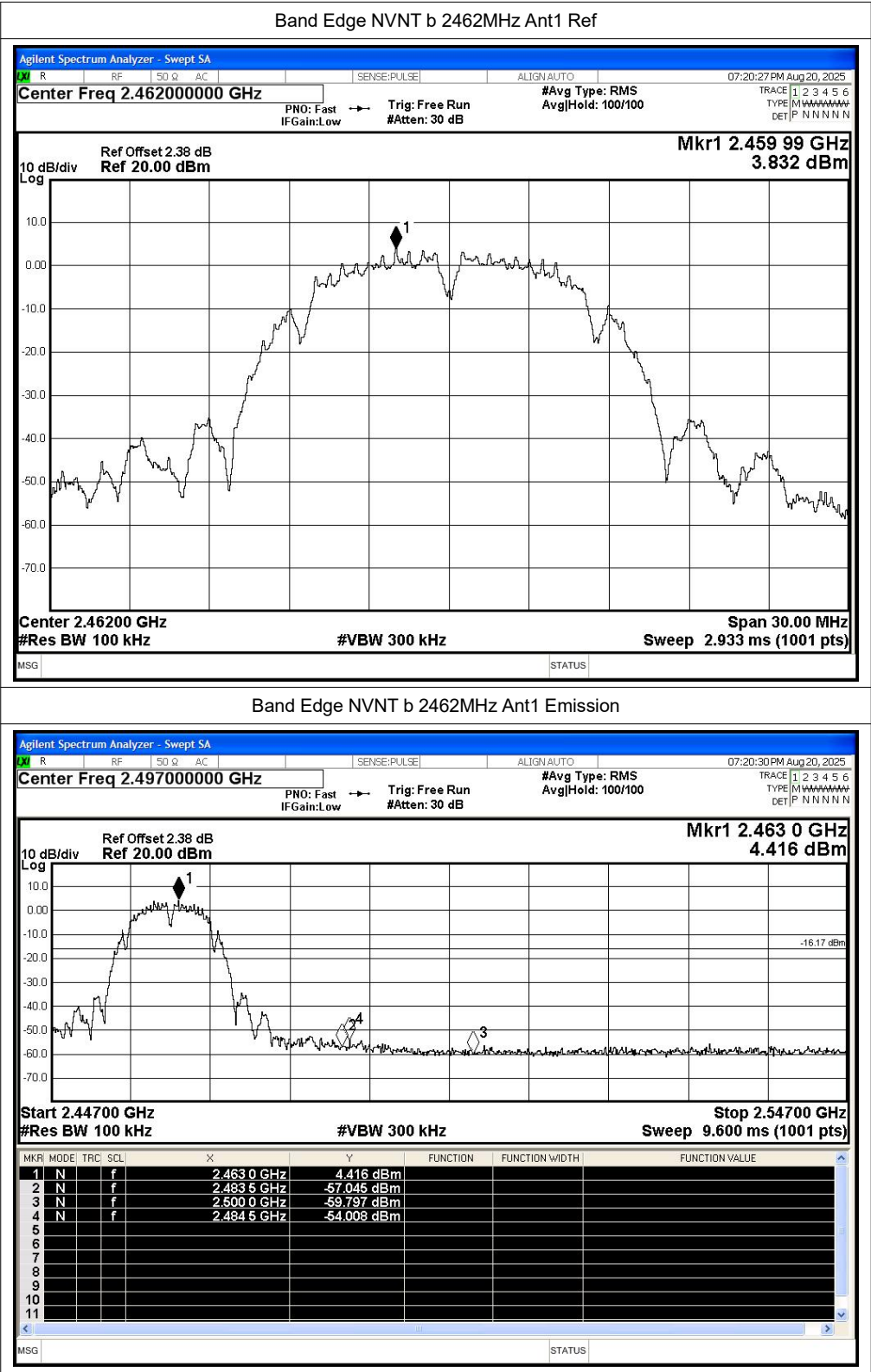


C.4 Band Edge

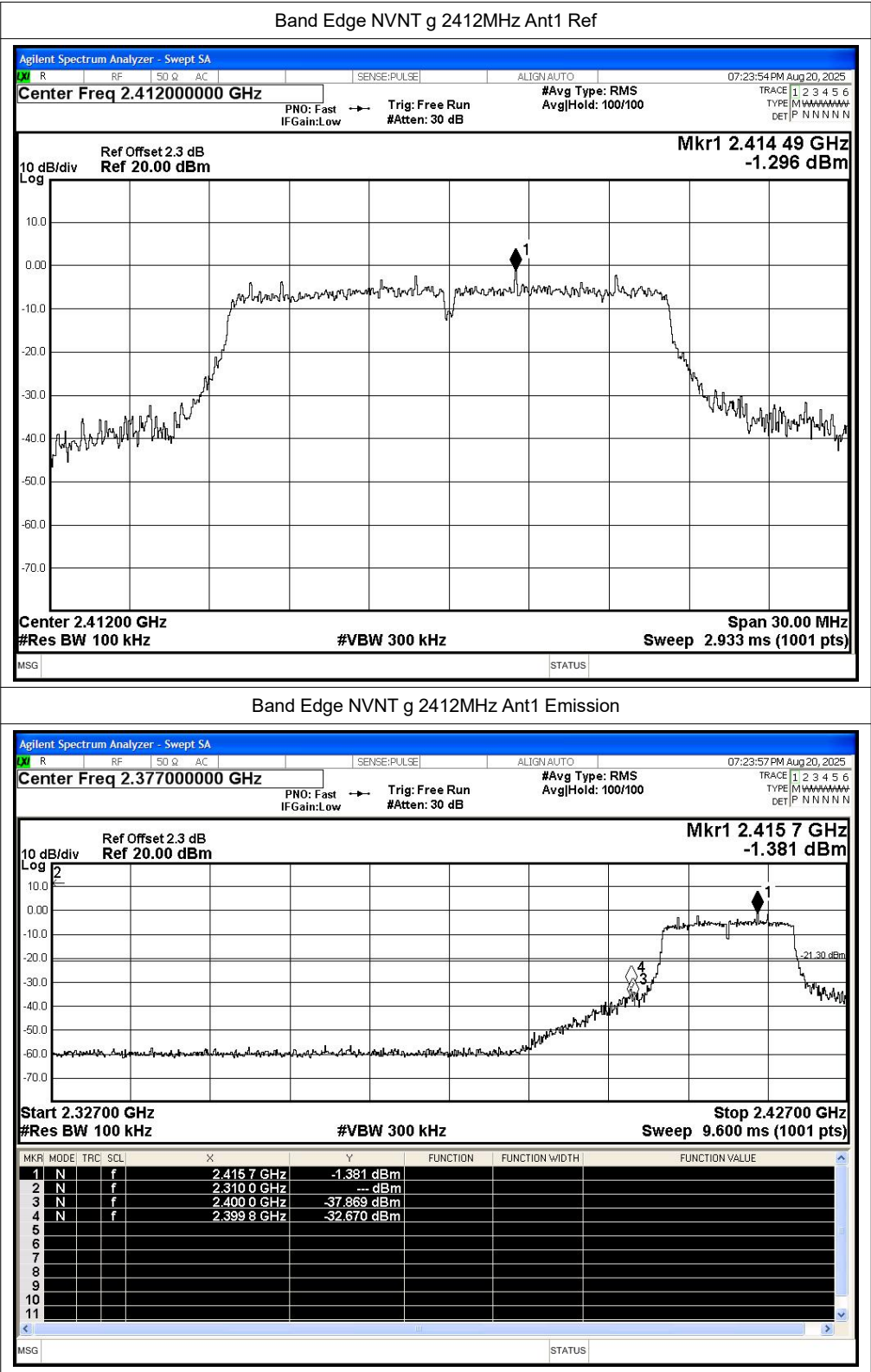
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-48.19	-20	Pass
NVNT	b	2462	Ant1	-57.84	-20	Pass
NVNT	g	2412	Ant1	-31.37	-20	Pass
NVNT	g	2462	Ant1	-44.06	-20	Pass
NVNT	n20	2412	Ant1	-29.91	-20	Pass
NVNT	n20	2462	Ant1	-42.13	-20	Pass
NVNT	n40	2422	Ant1	-34.24	-20	Pass
NVNT	n40	2452	Ant1	-39.27	-20	Pass



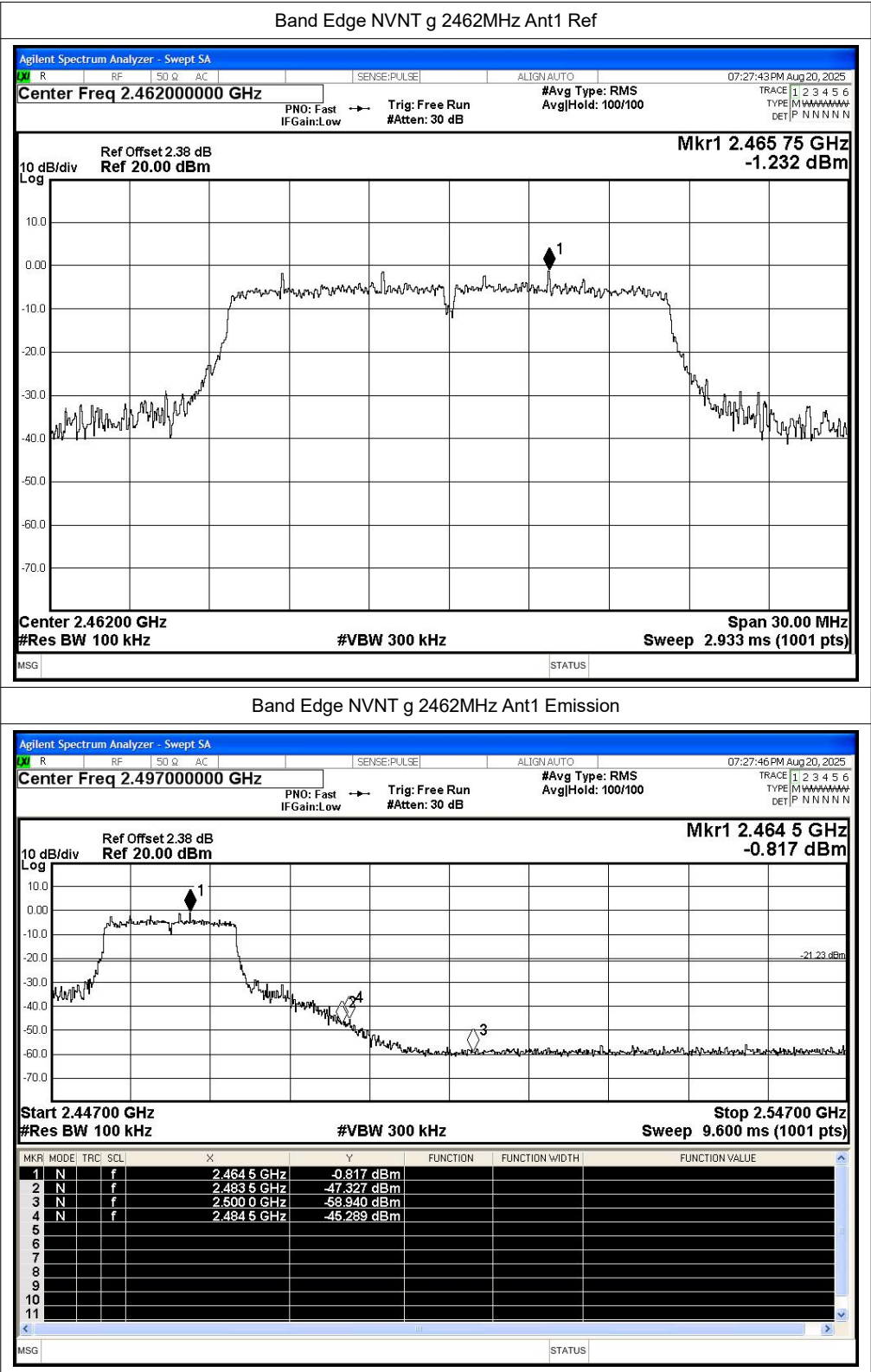
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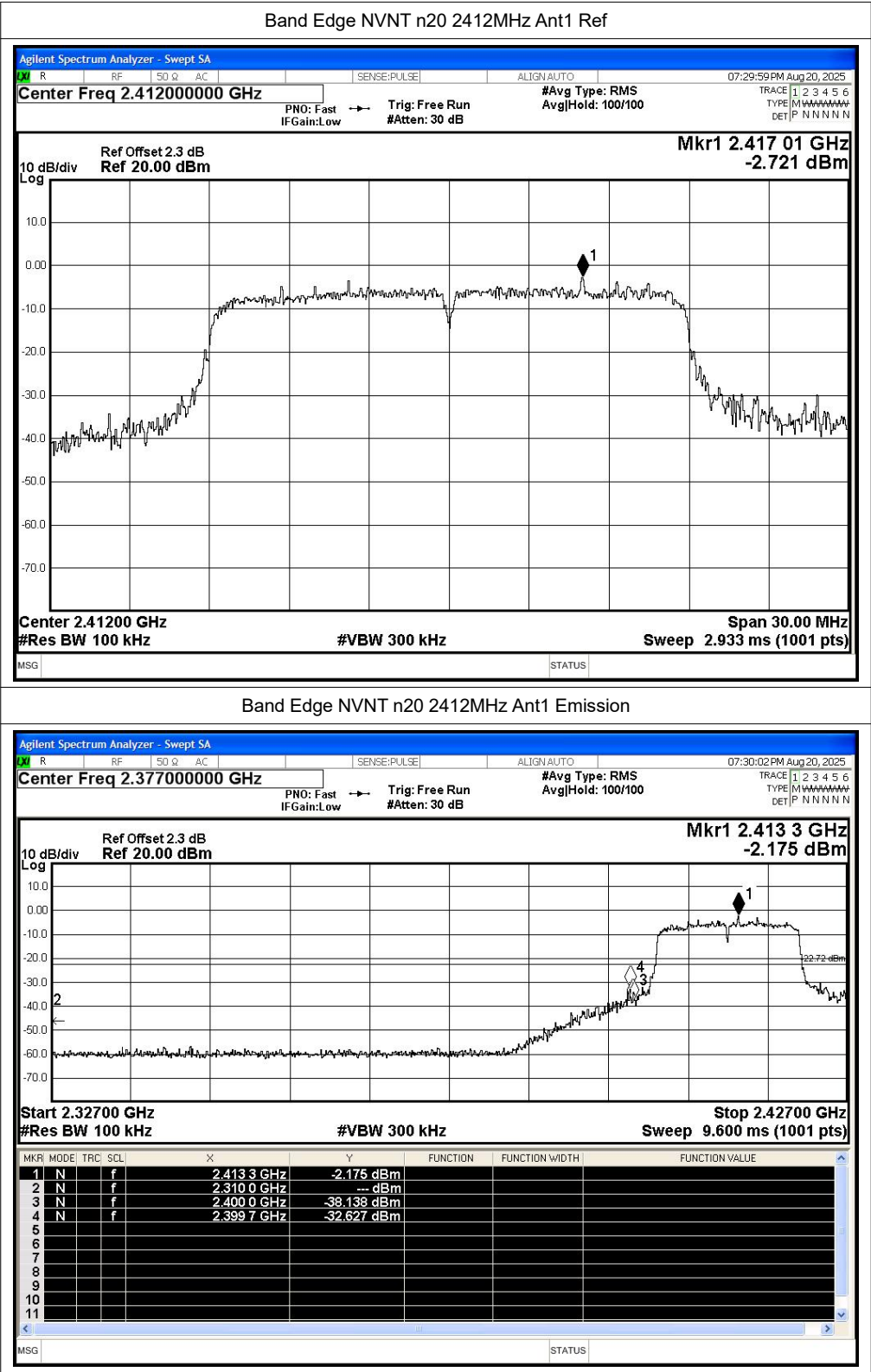
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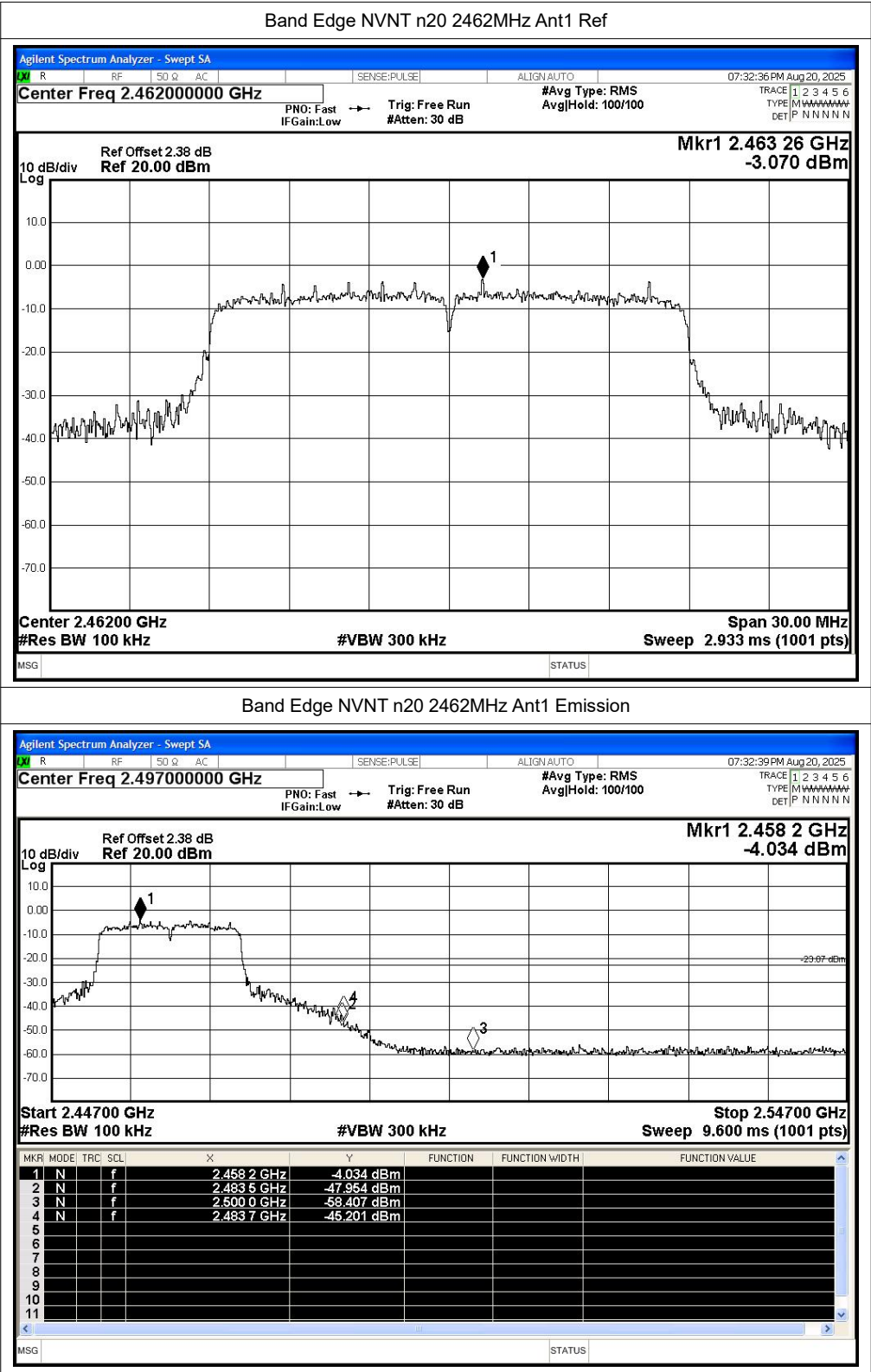
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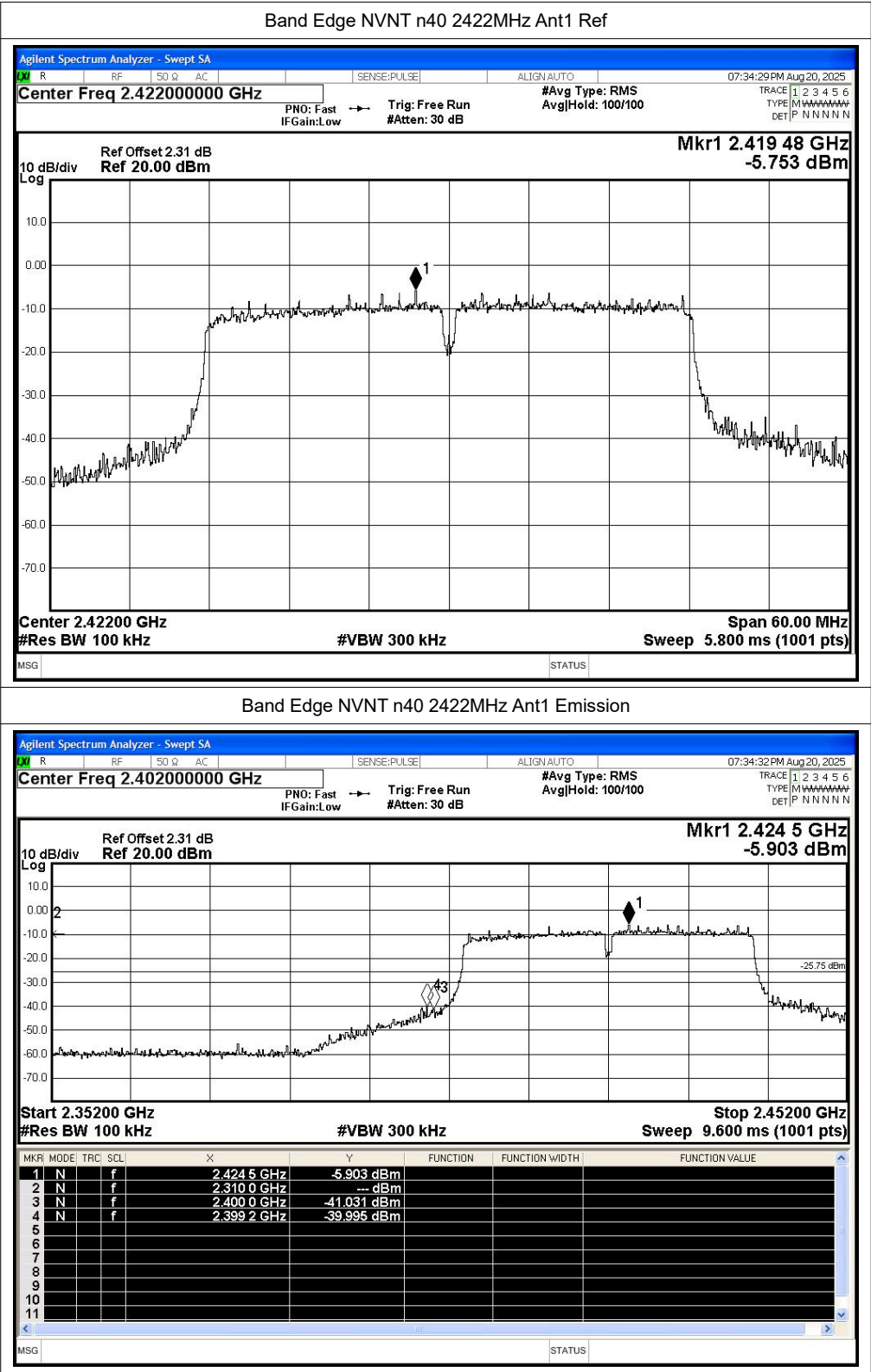
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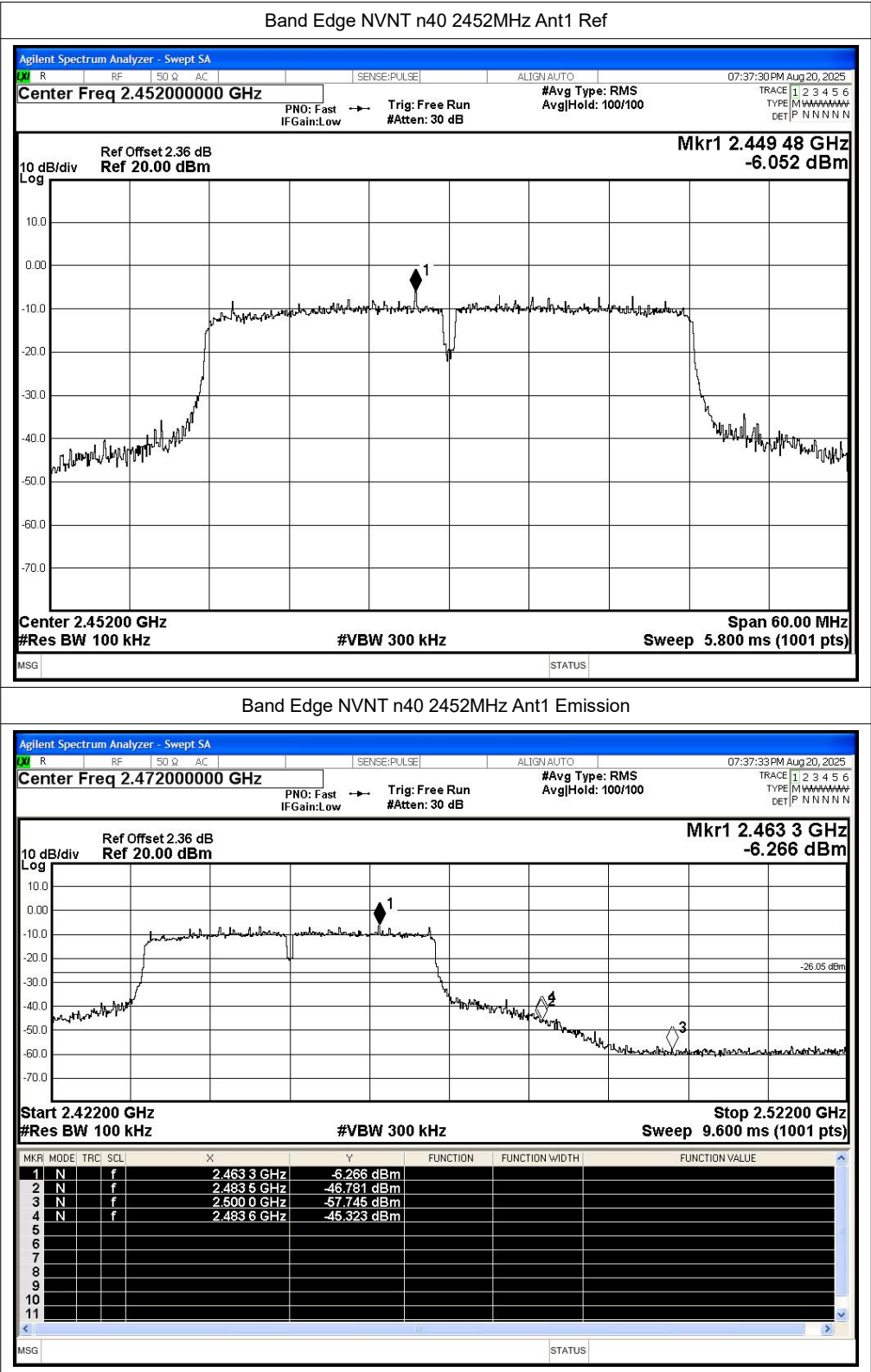
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LCSC08015009EC



LCSC08015009EC



C.5 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-51.61	-20	Pass
NVNT	b	2437	Ant1	-50.9	-20	Pass
NVNT	b	2462	Ant1	-50.4	-20	Pass
NVNT	g	2412	Ant1	-44.19	-20	Pass
NVNT	g	2437	Ant1	-44.07	-20	Pass
NVNT	g	2462	Ant1	-44.82	-20	Pass
NVNT	n20	2412	Ant1	-42.89	-20	Pass
NVNT	n20	2437	Ant1	-43.47	-20	Pass
NVNT	n20	2462	Ant1	-42.54	-20	Pass
NVNT	n40	2422	Ant1	-40.12	-20	Pass
NVNT	n40	2437	Ant1	-39.83	-20	Pass
NVNT	n40	2452	Ant1	-38.81	-20	Pass



LCSC08015009EC

