



Appendix C

RF Test Data for 2.4GWIFI (Conducted Measurement)

Product Name: Ear Cleaner

Trade Mark: N/A

Test Model: B6C

Environmental Conditions

Temperature:	24.6° C
Relative Humidity:	52.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Emiya Lin
Supervised by:	Simba Huang



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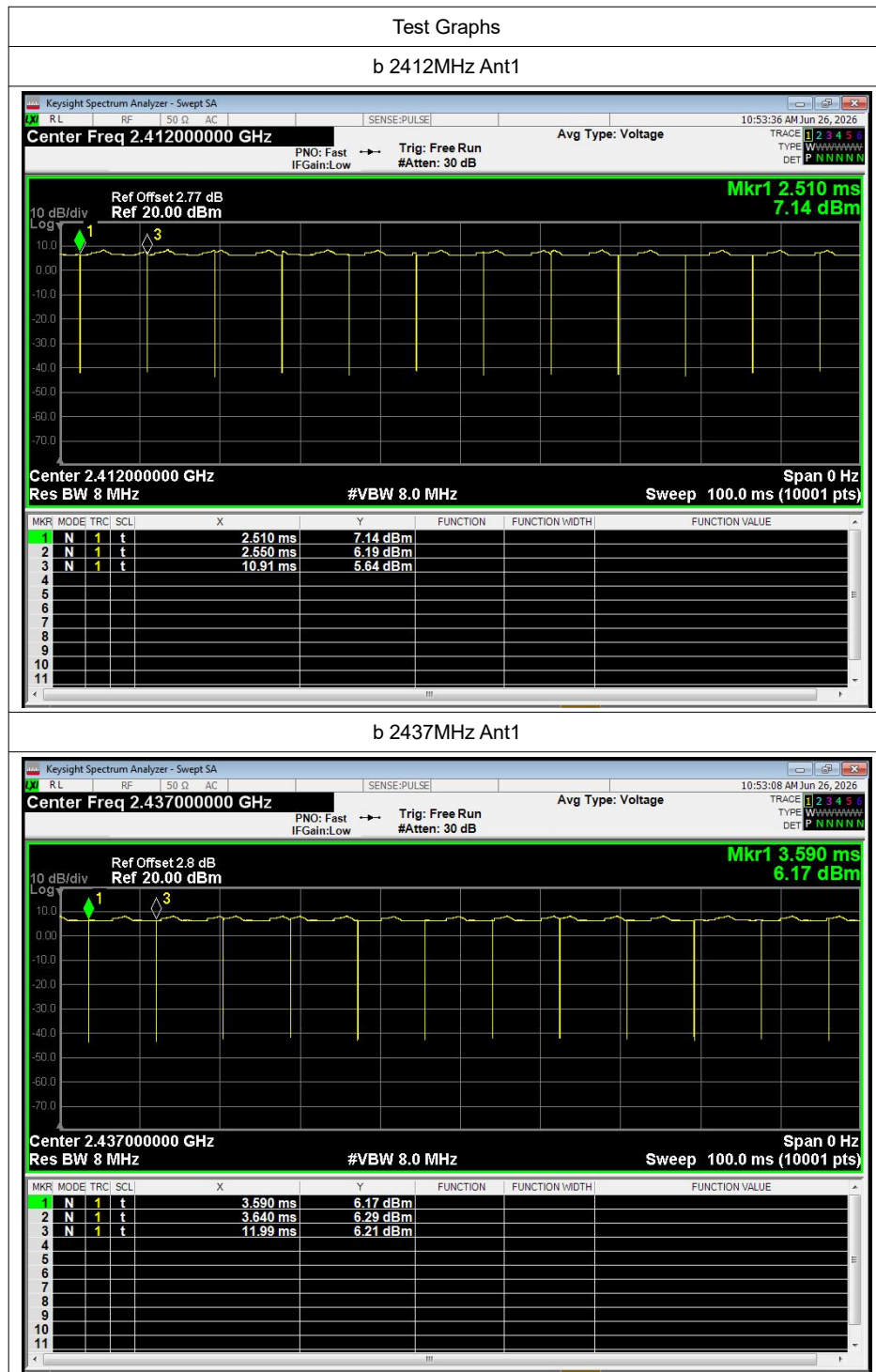


1 Duty Cycle

1.1 Test Result

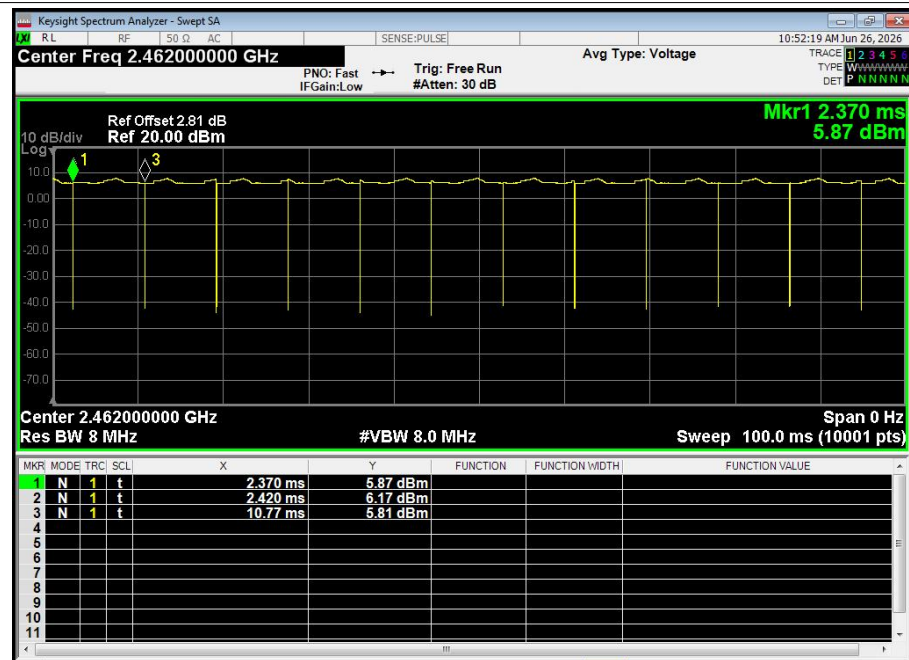
Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor	1/T (kHz)
b	2412	Ant1	99.6	0.02	0.12
b	2437	Ant1	99.59	0.02	0.12
b	2462	Ant1	99.6	0.02	0.12
g	2412	Ant1	86.76	0.62	4.76
g	2437	Ant1	86.81	0.61	4.76
g	2462	Ant1	86.79	0.62	4.76
n20	2412	Ant1	87.42	0.58	4.17
n20	2437	Ant1	87.41	0.58	4.35
n20	2462	Ant1	87.4	0.58	4.35

1.2 Test Graphs

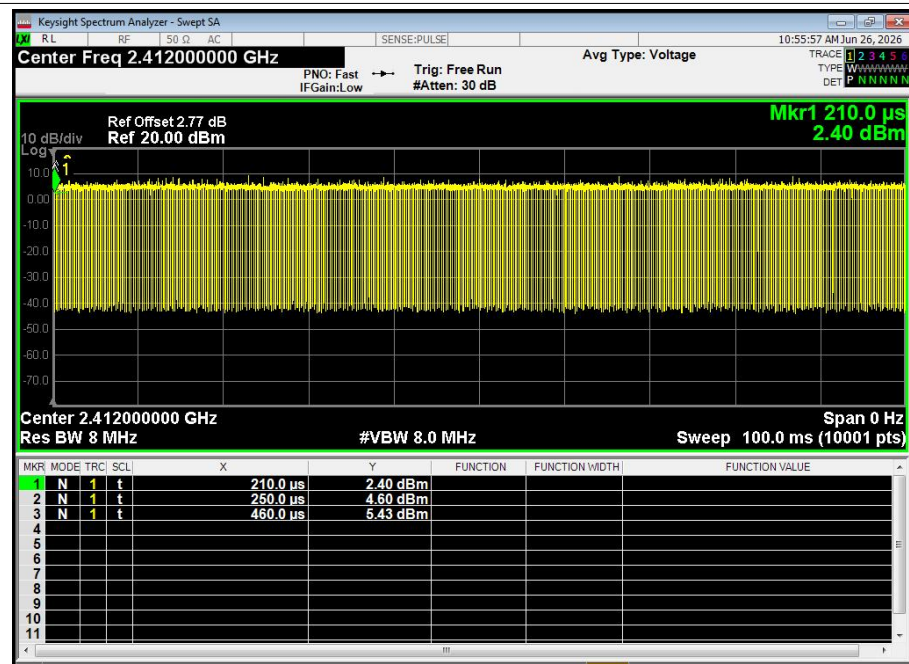


Test Graphs

b 2462MHz Ant1



g 2412MHz Ant1

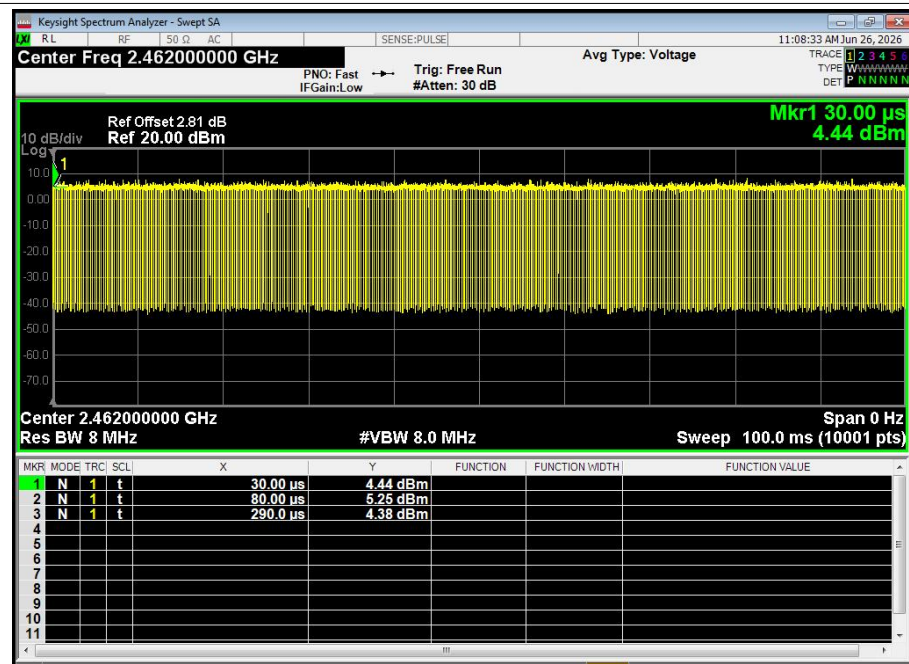


Test Graphs

g 2437MHz Ant1

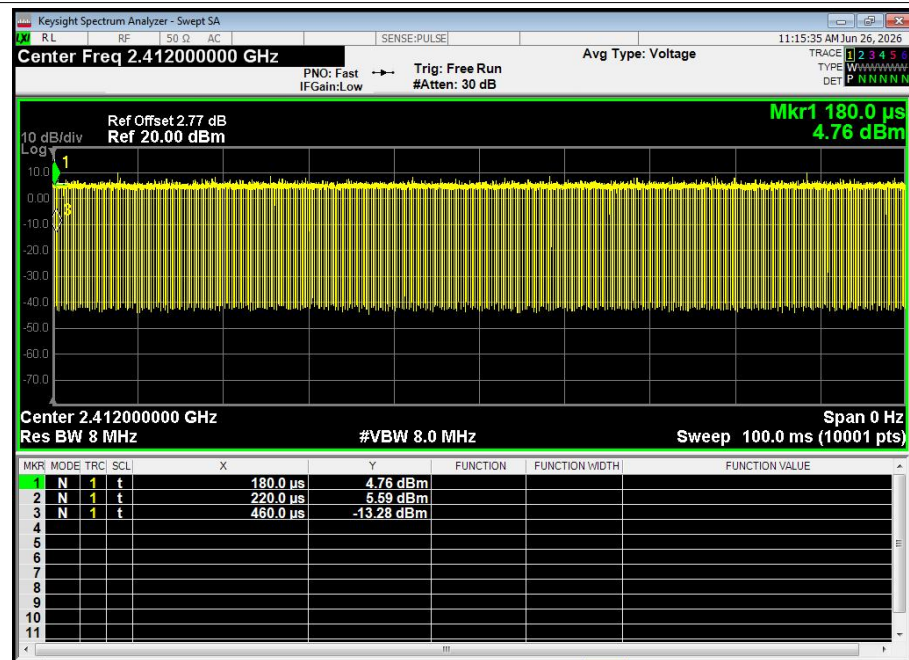


g 2462MHz Ant1

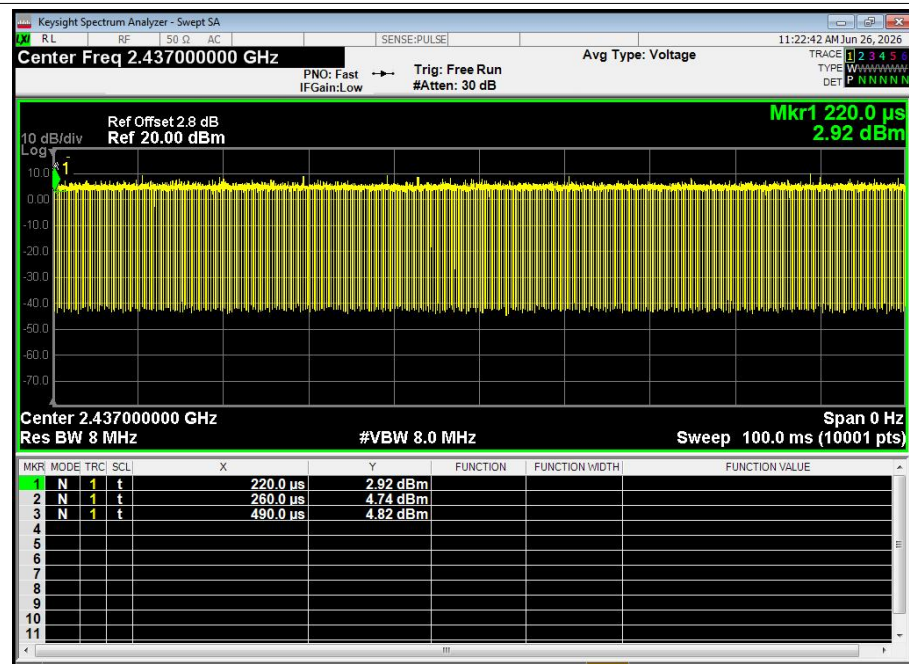


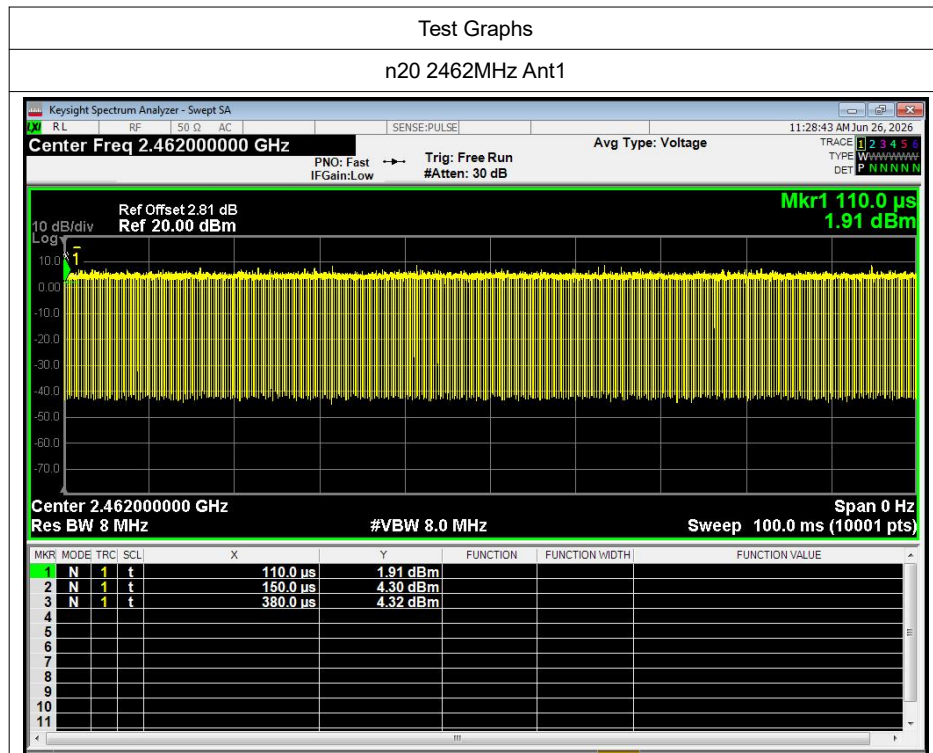
Test Graphs

n20 2412MHz Ant1



n20 2437MHz Ant1





2 Maximum Conducted Output Power

2.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
b	2412	Ant1	6.76	30	Pass
b	2437	Ant1	6.51	30	Pass
b	2462	Ant1	6.45	30	Pass
g	2412	Ant1	6.71	30	Pass
g	2437	Ant1	6.53	30	Pass
g	2462	Ant1	6.43	30	Pass
n20	2412	Ant1	6.72	30	Pass
n20	2437	Ant1	6.64	30	Pass
n20	2462	Ant1	6.22	30	Pass

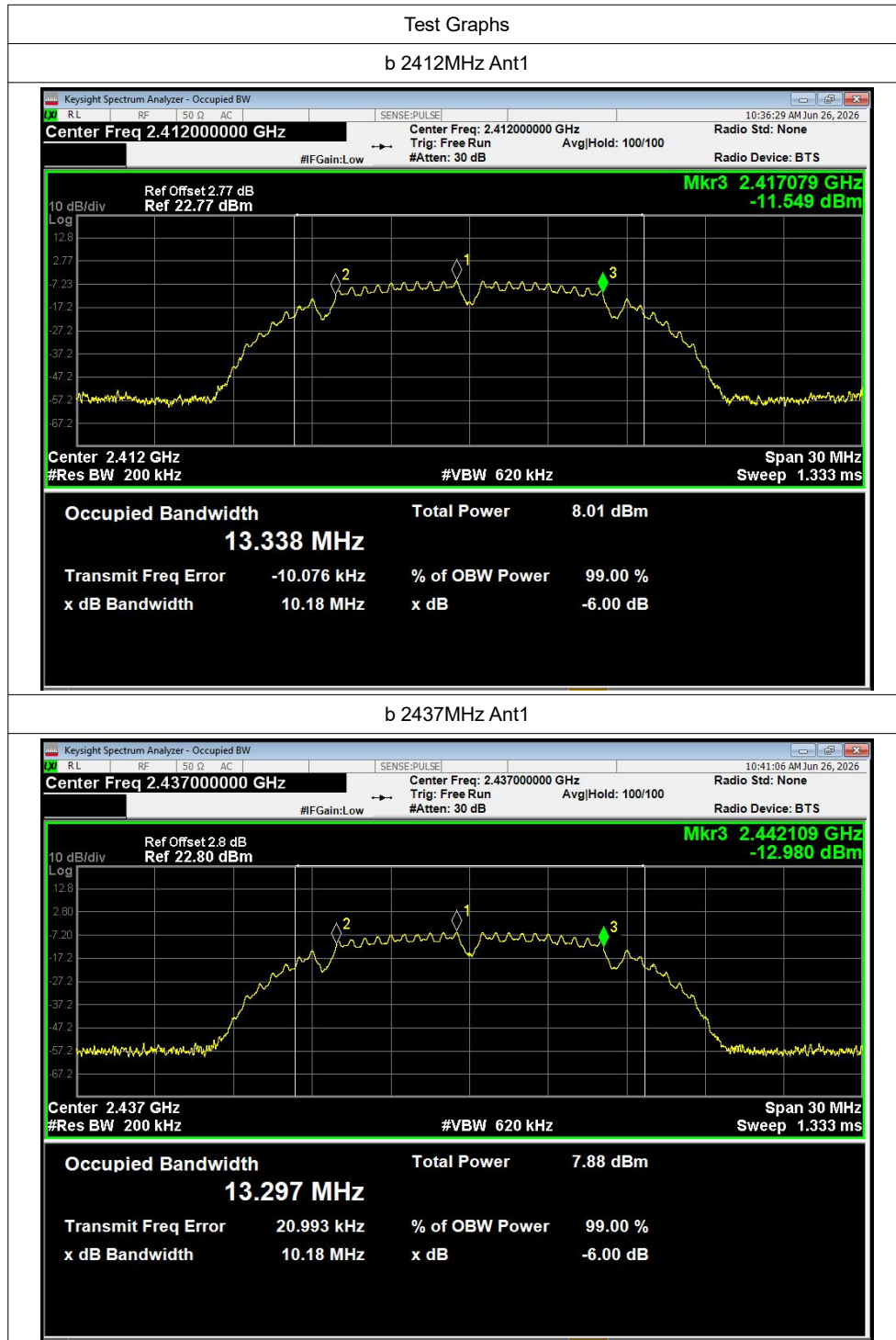


3 -6dB Bandwidth

3.1 Test Result

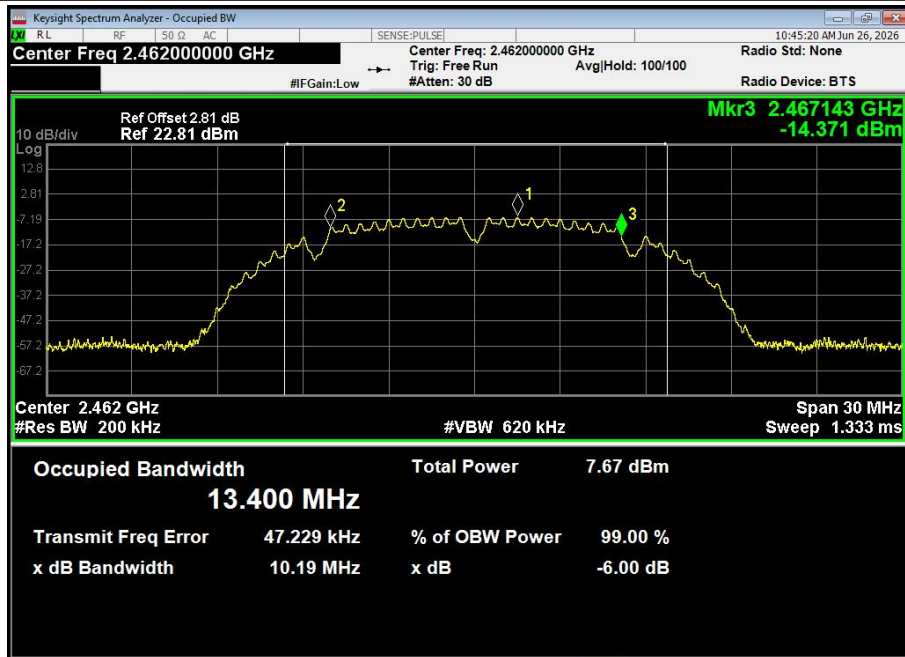
Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
b	2412	Ant1	10.179	0.5	Pass
b	2437	Ant1	10.175	0.5	Pass
b	2462	Ant1	10.192	0.5	Pass
g	2412	Ant1	15.946	0.5	Pass
g	2437	Ant1	15.439	0.5	Pass
g	2462	Ant1	15.881	0.5	Pass
n20	2412	Ant1	16.496	0.5	Pass
n20	2437	Ant1	16.393	0.5	Pass
n20	2462	Ant1	16.855	0.5	Pass

3.2 Test Graphs

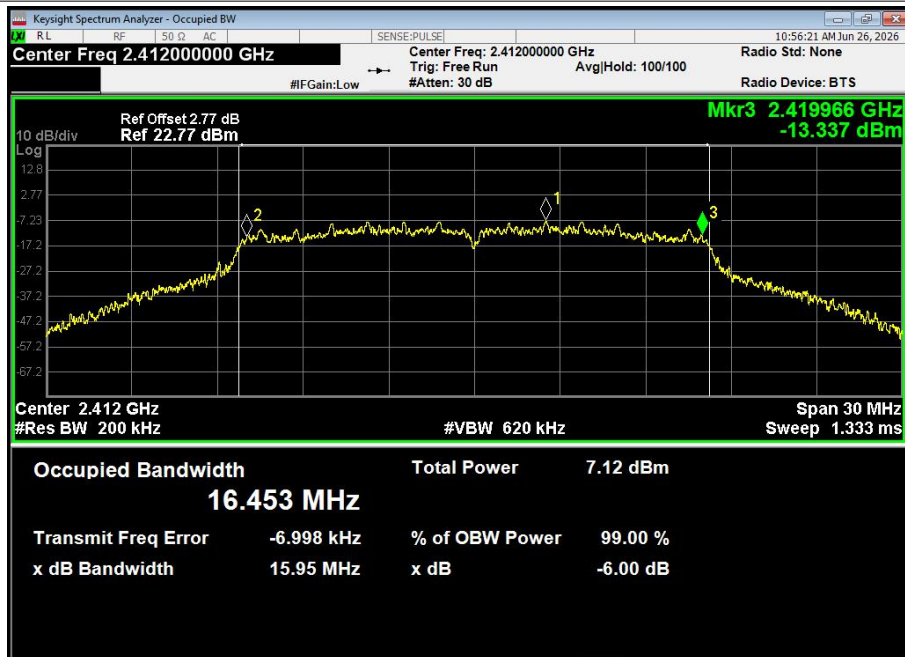




b 2462MHz Ant1

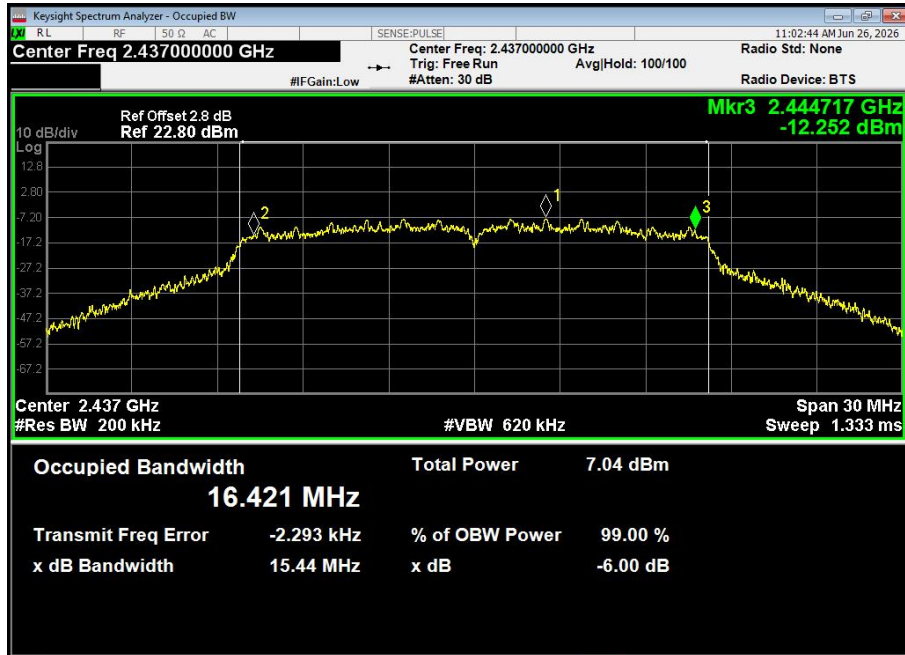


g 2412MHz Ant1

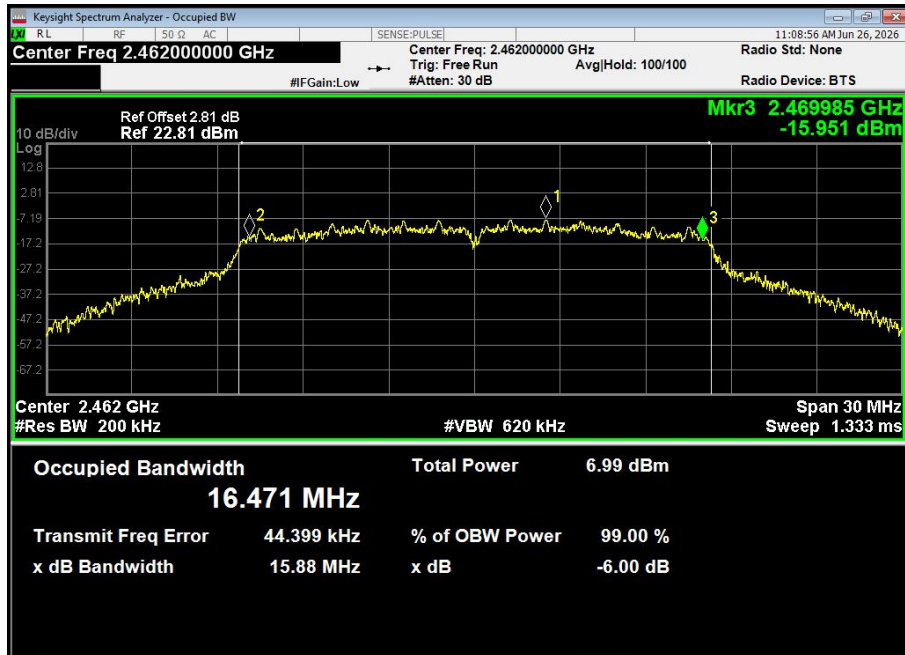




g 2437MHz Ant1

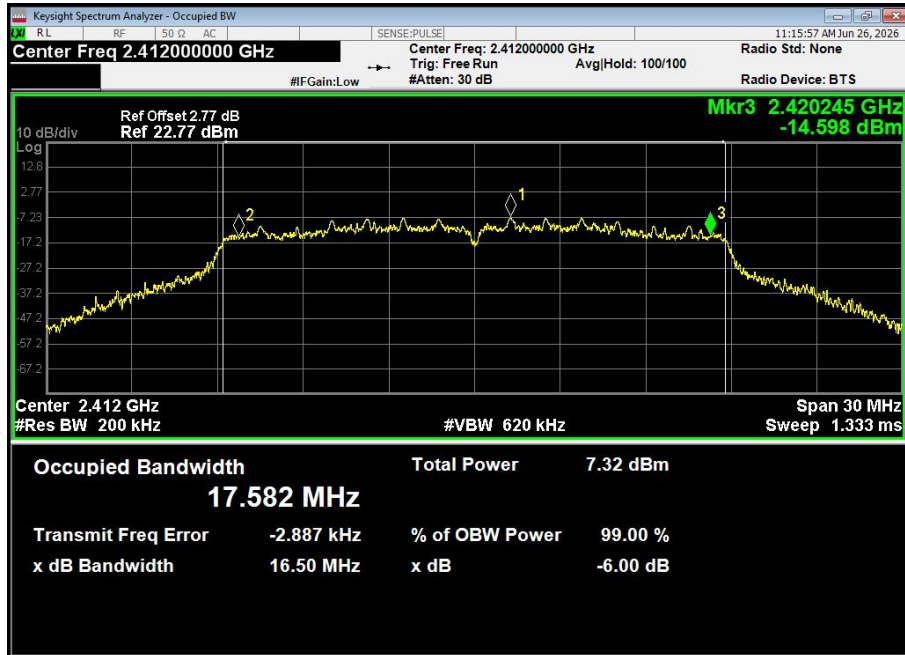


g 2462MHz Ant1

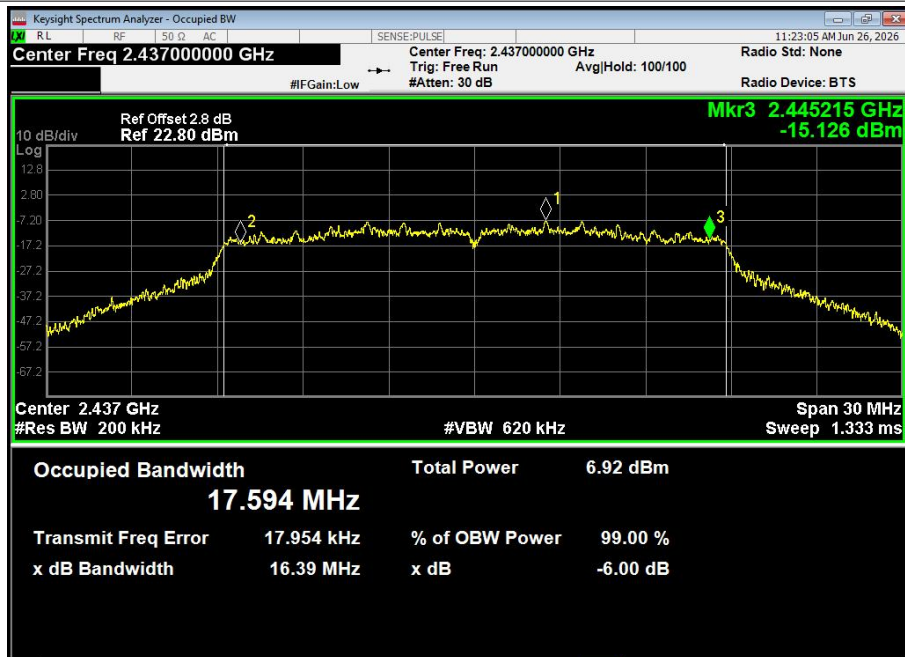


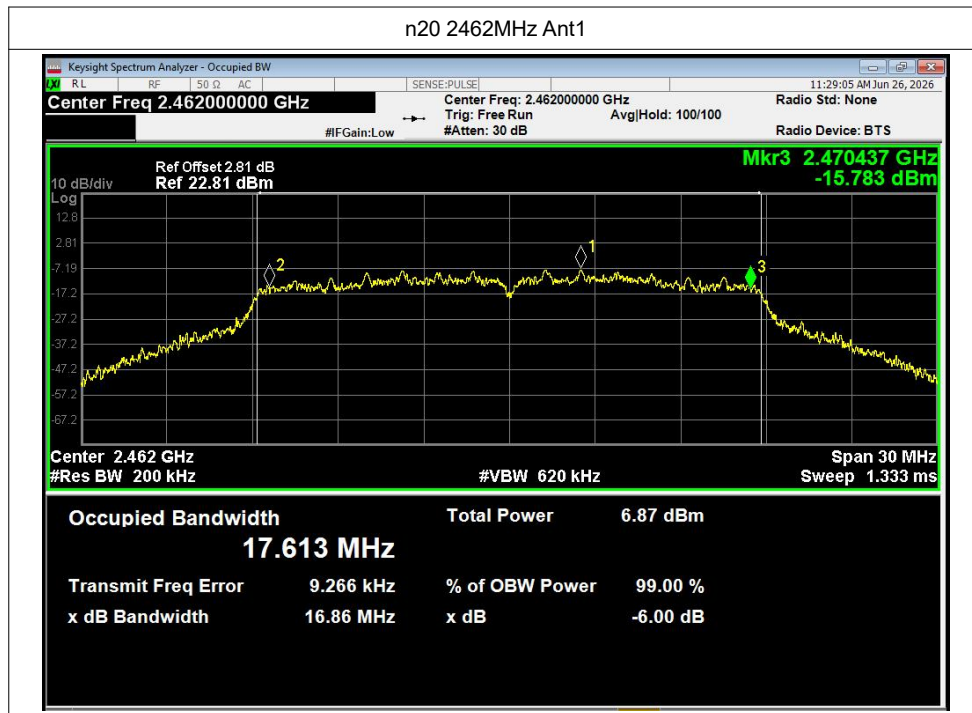


n20 2412MHz Ant1



n20 2437MHz Ant1





4 Maximum Power Spectral Density Level

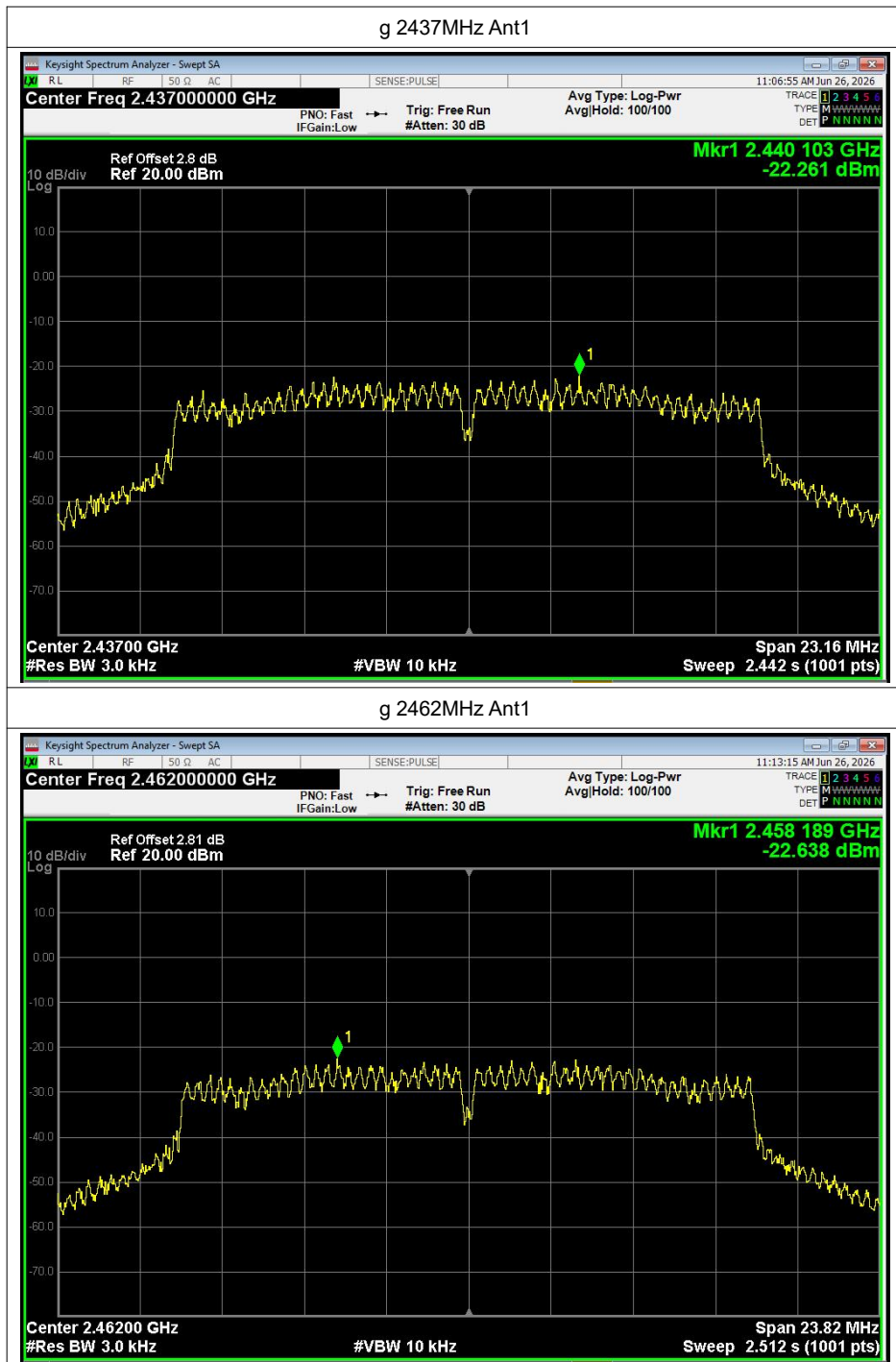
4.1 Test Result

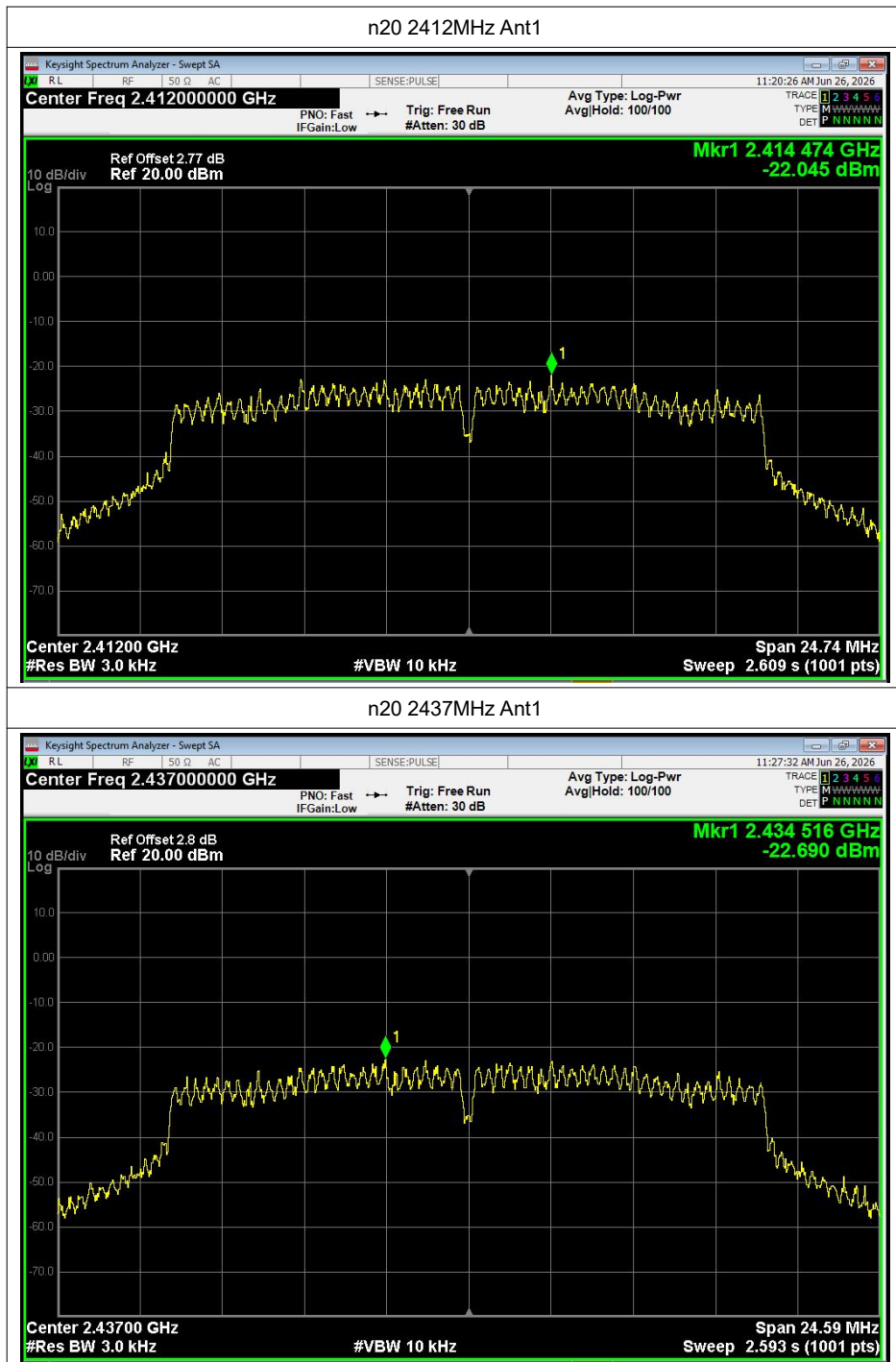
Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3-100kHz)	Limit (dBm/3kHz)	Verdict
b	2412	Ant1	-19.77	≤8	Pass
b	2437	Ant1	-19.32	≤8	Pass
b	2462	Ant1	-19.67	≤8	Pass
g	2412	Ant1	-21.91	≤8	Pass
g	2437	Ant1	-22.26	≤8	Pass
g	2462	Ant1	-22.64	≤8	Pass
n20	2412	Ant1	-22.05	≤8	Pass
n20	2437	Ant1	-22.69	≤8	Pass
n20	2462	Ant1	-22.71	≤8	Pass

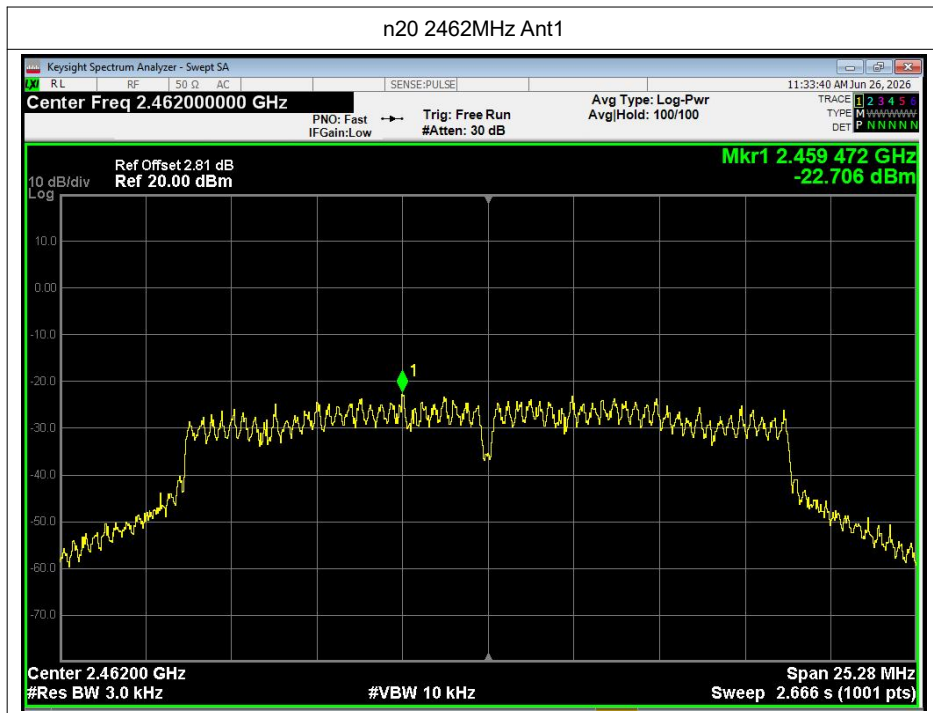
4.2 Test Graphs











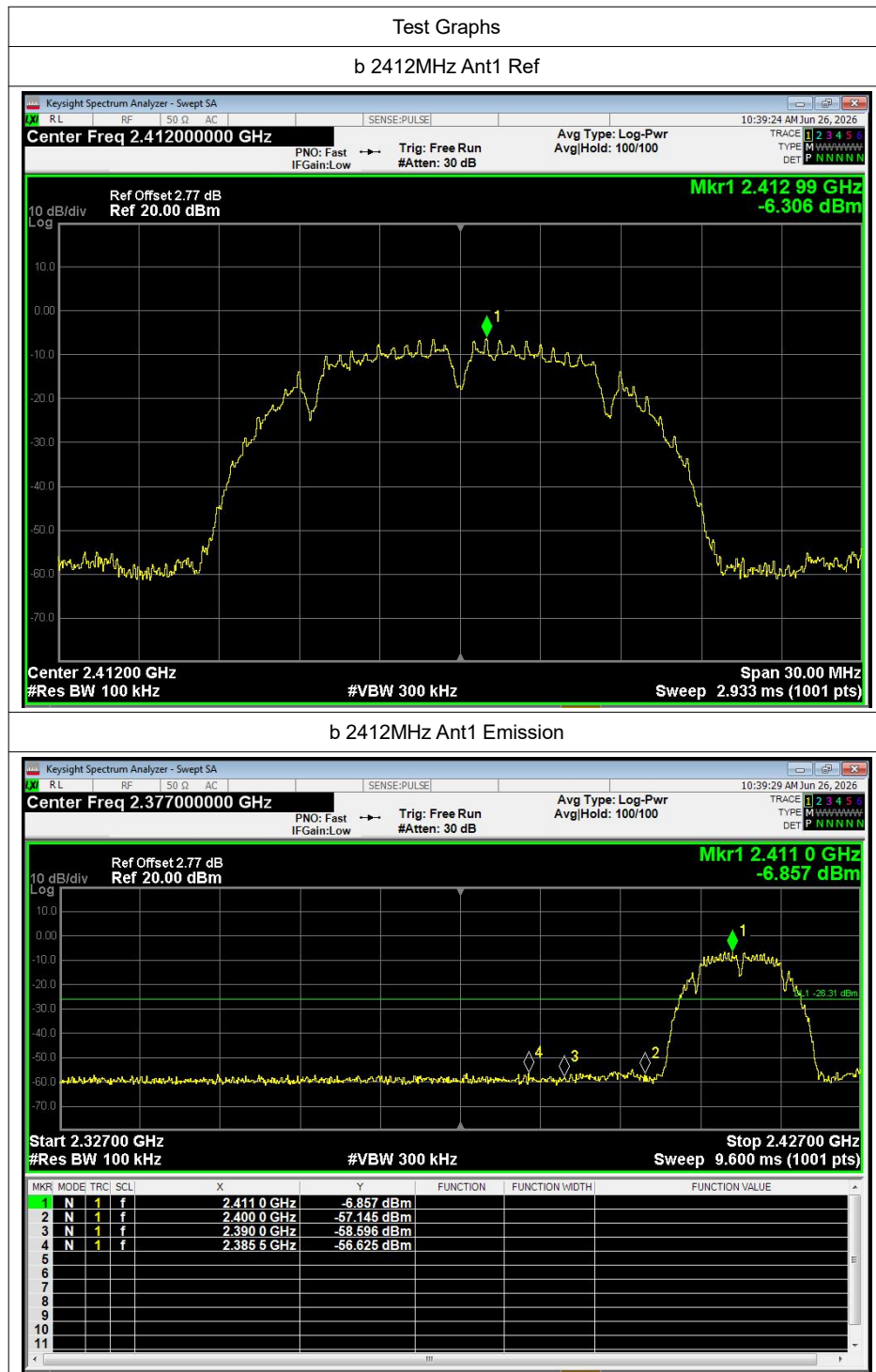


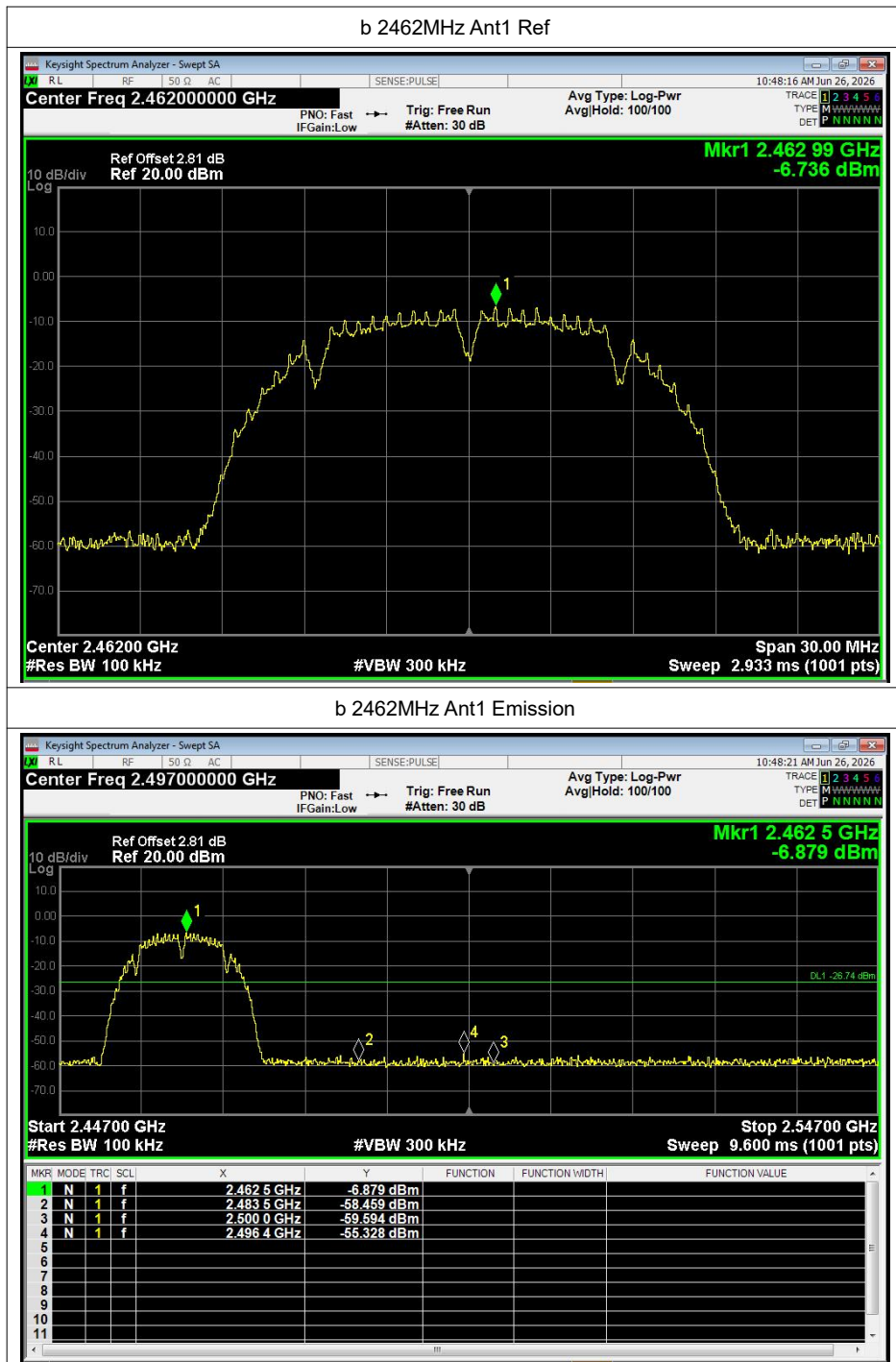
5 Band Edge

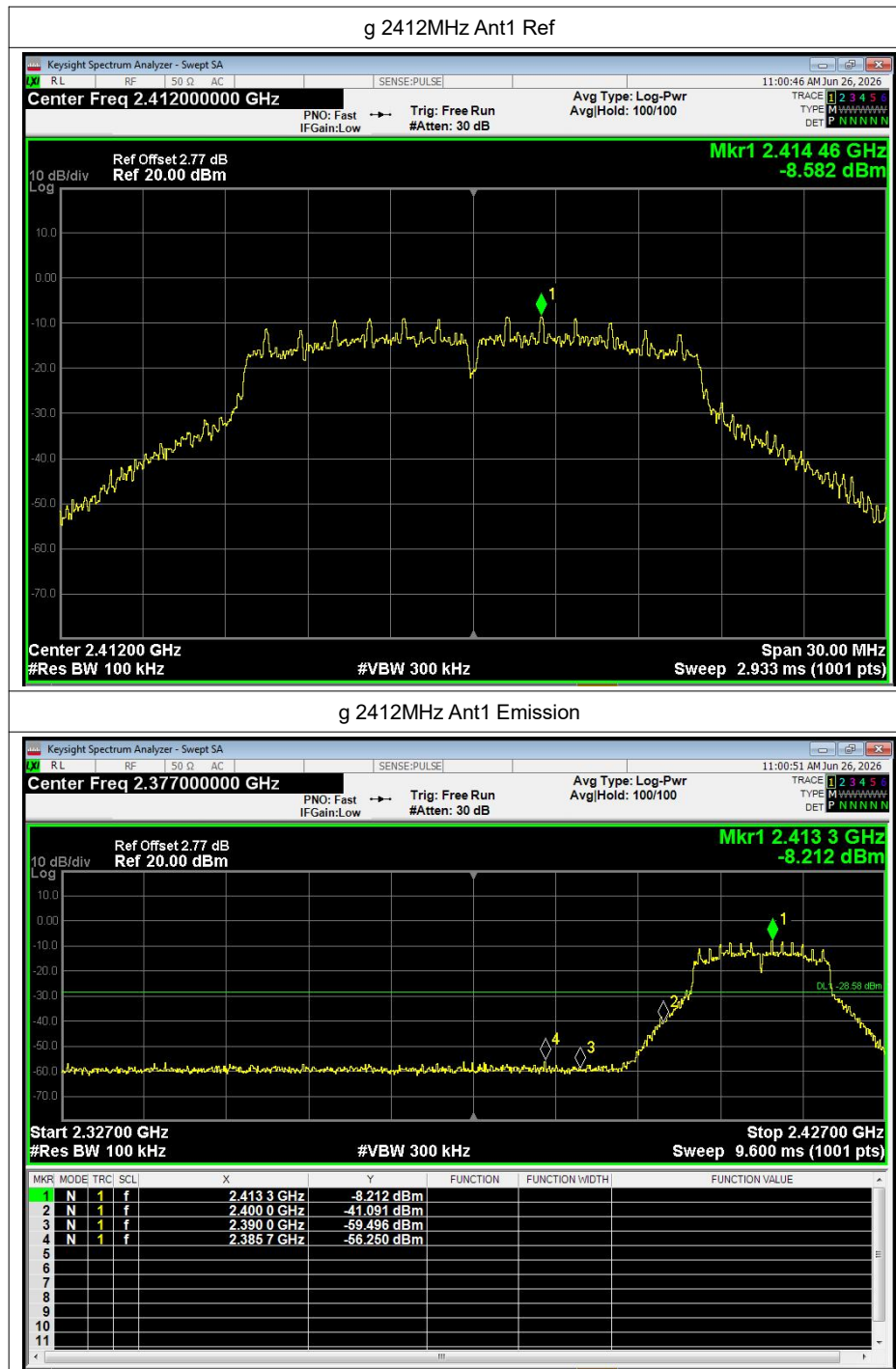
5.1 Test Result

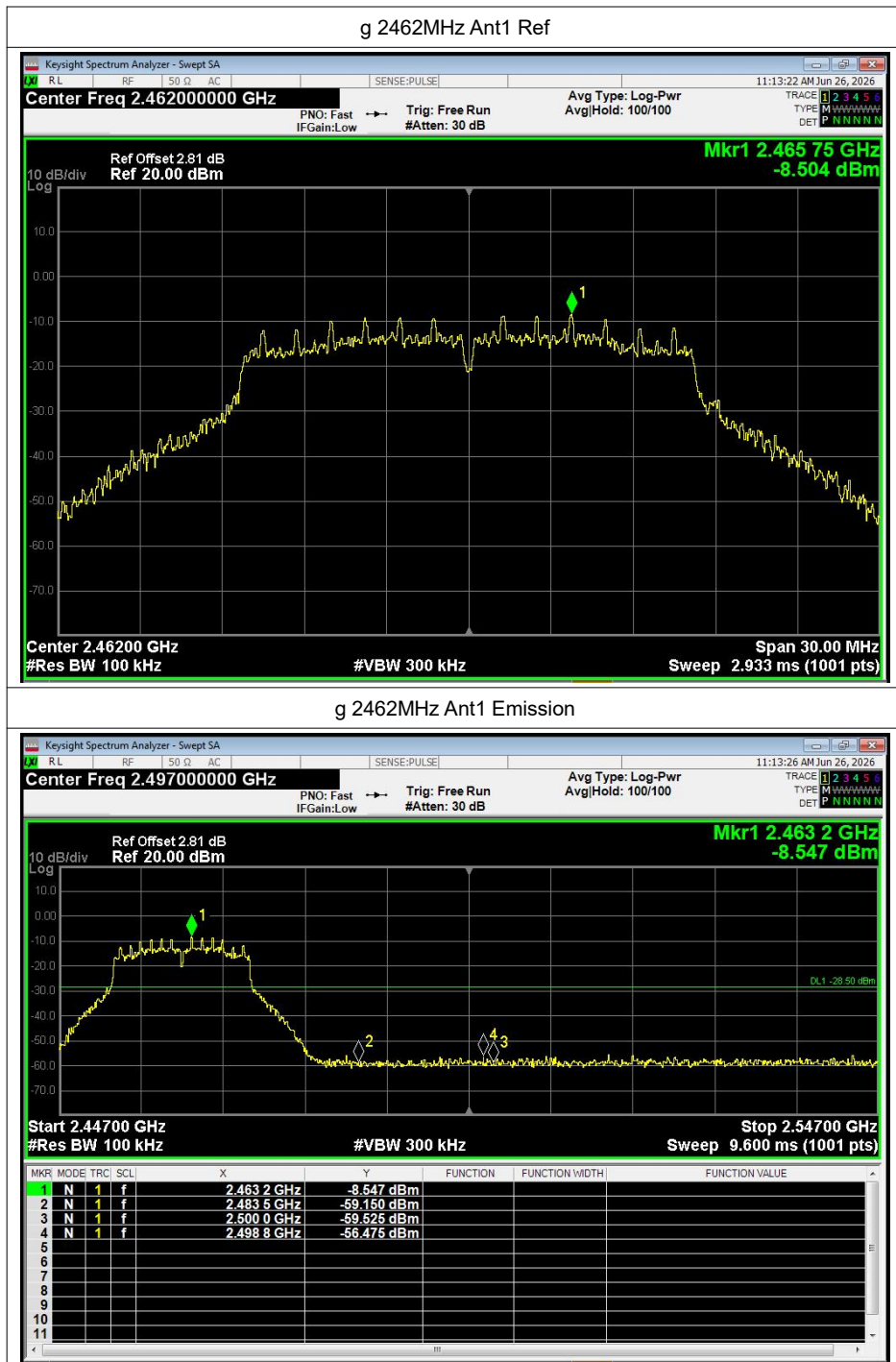
Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	Ant1	-50.31	-20	Pass
b	2462	Ant1	-48.58	-20	Pass
g	2412	Ant1	-47.66	-20	Pass
g	2462	Ant1	-47.97	-20	Pass
n20	2412	Ant1	-48.04	-20	Pass
n20	2462	Ant1	-48.39	-20	Pass

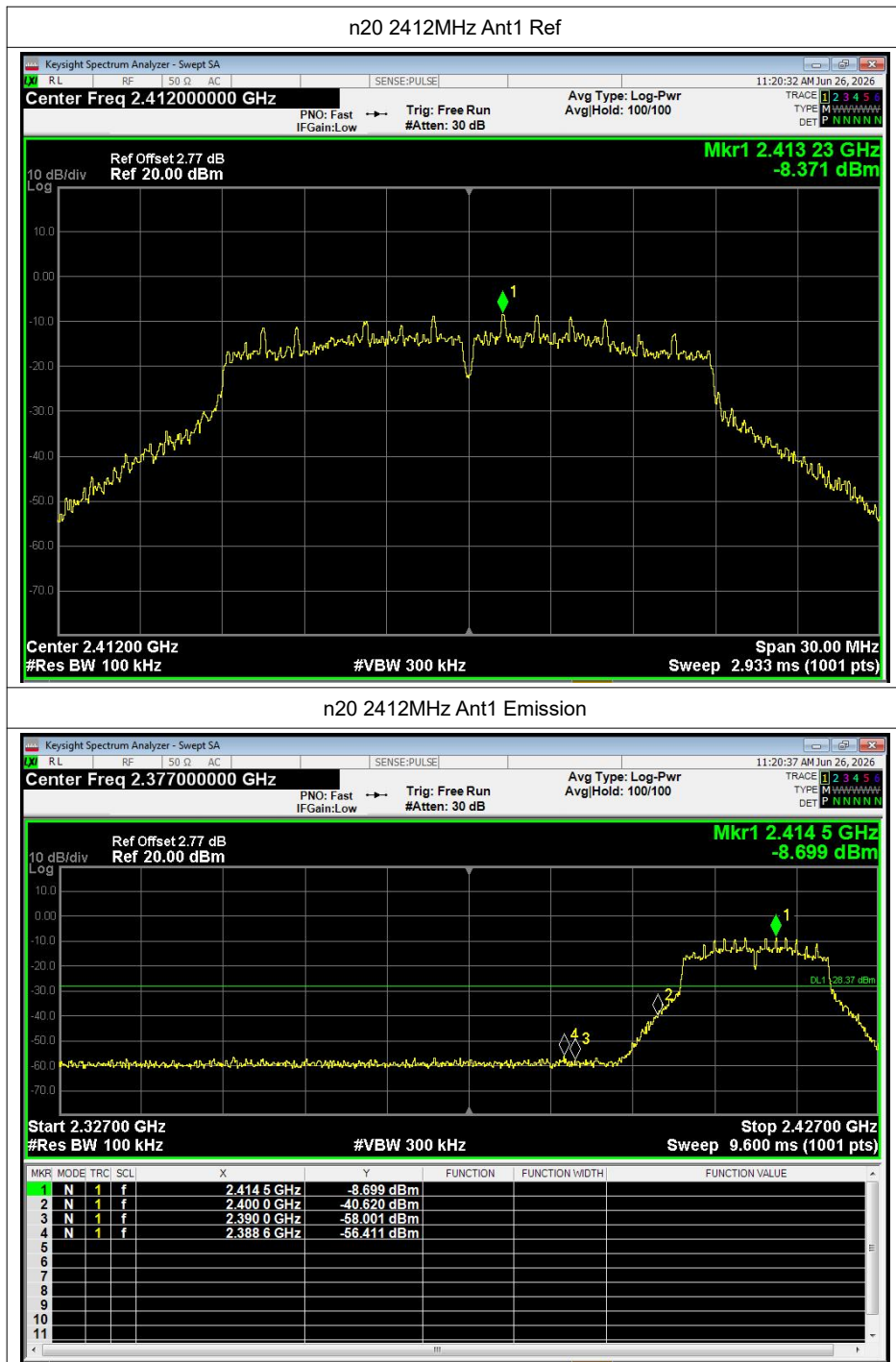
5.2 Test Graphs

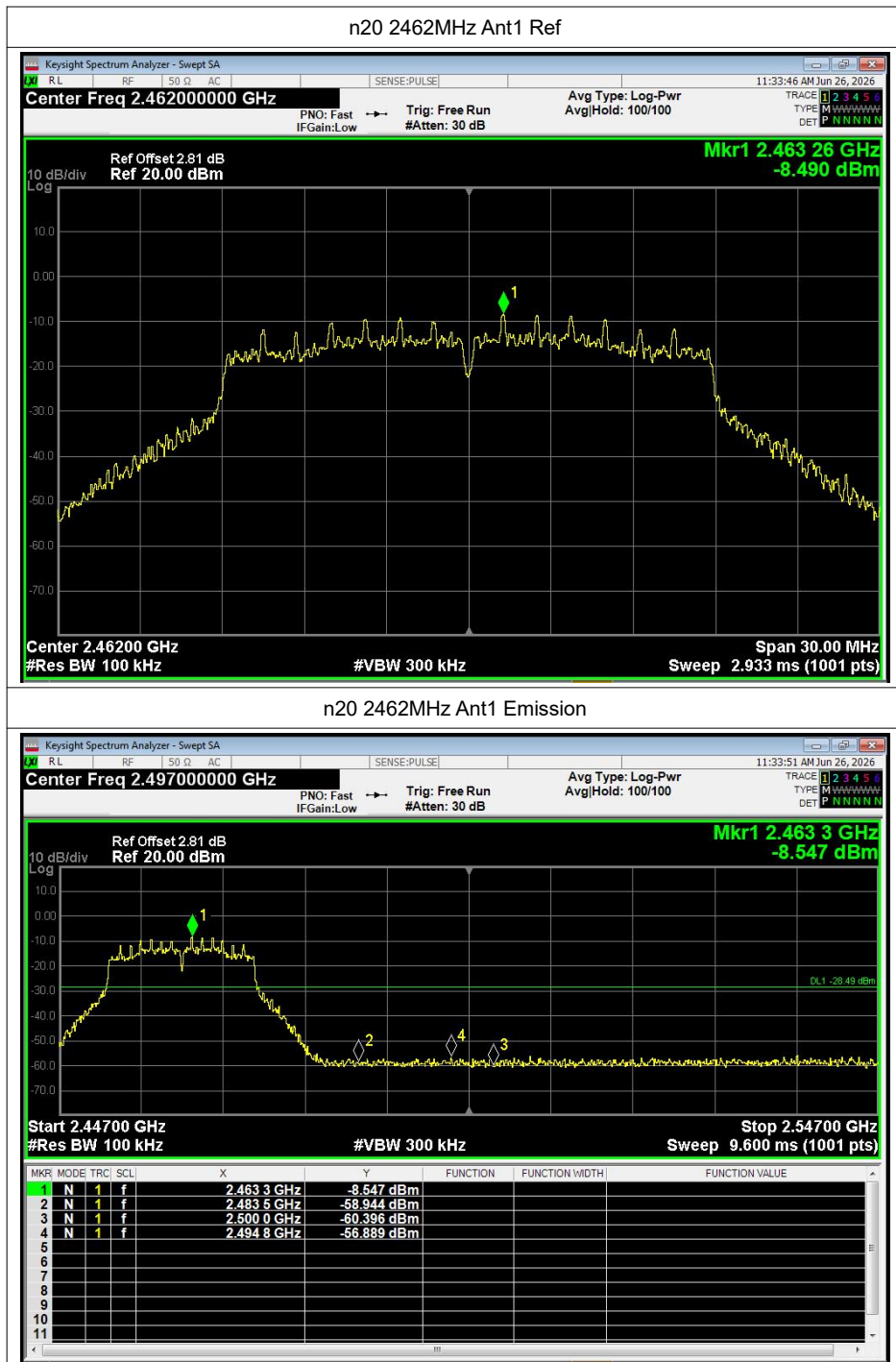














6 Conducted RF Spurious Emission

6.1 Test Result

Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	Ant1	-36.17	-20	Pass
b	2437	Ant1	-36.33	-20	Pass
b	2462	Ant1	-34.37	-20	Pass
g	2412	Ant1	-34.33	-20	Pass
g	2437	Ant1	-33.99	-20	Pass
g	2462	Ant1	-33.8	-20	Pass
n20	2412	Ant1	-34.2	-20	Pass
n20	2437	Ant1	-33.55	-20	Pass
n20	2462	Ant1	-33.36	-20	Pass

6.2 Test Graphs

