



Appendix C

RF Test Data for 2.4GWIFI (Conducted Measurement)

Product Name: Smart Glasses

Trade Mark: N/A

Test Model: L806

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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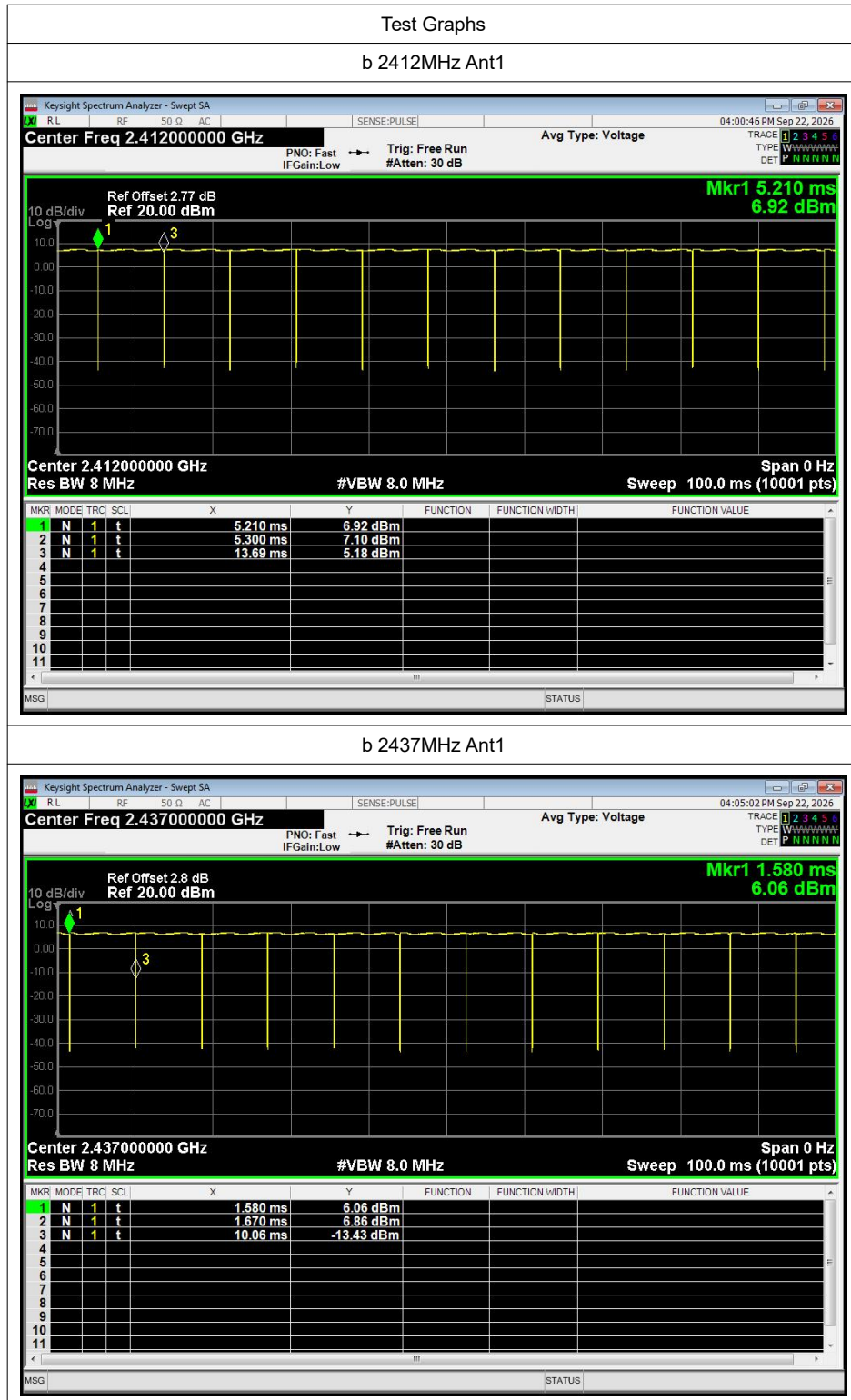


1 Duty Cycle

1.1 Test Result

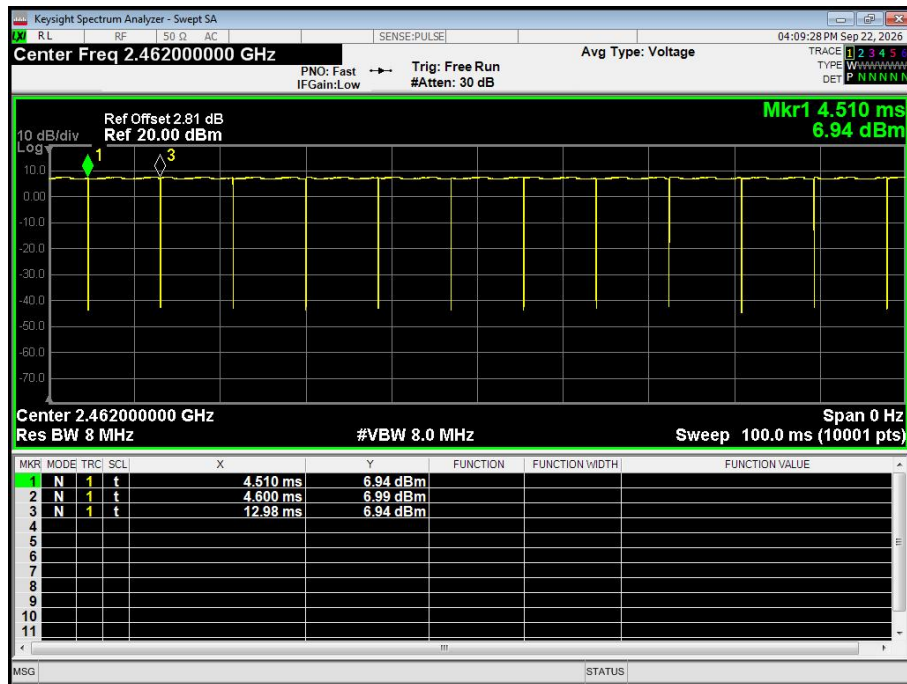
Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor	1/T (kHz)
b	2412	Ant1	99.08	0.04	0.12
b	2437	Ant1	99.08	0.04	0.12
b	2462	Ant1	99.09	0.04	0.12
g	2412	Ant1	99.69	0.01	0.72
g	2437	Ant1	99.6	0.02	0.72
g	2462	Ant1	99.71	0.01	0.03
n20	2412	Ant1	99.15	0.04	0.2
n20	2437	Ant1	99.15	0.04	0.2
n20	2462	Ant1	99.19	0.04	0.2
n40	2422	Ant1	99.34	0.03	0.41
n40	2437	Ant1	99.35	0.03	0.41
n40	2452	Ant1	99.35	0.03	0.41
ax20	2412	Ant1	99.01	0.04	0.25
ax20	2437	Ant1	99.04	0.04	0.25
ax20	2462	Ant1	99.05	0.04	0.25
ax40	2422	Ant1	98.1	0.08	0.49
ax40	2437	Ant1	98.09	0.08	0.49
ax40	2452	Ant1	98.09	0.08	0.49

1.2 Test Graphs

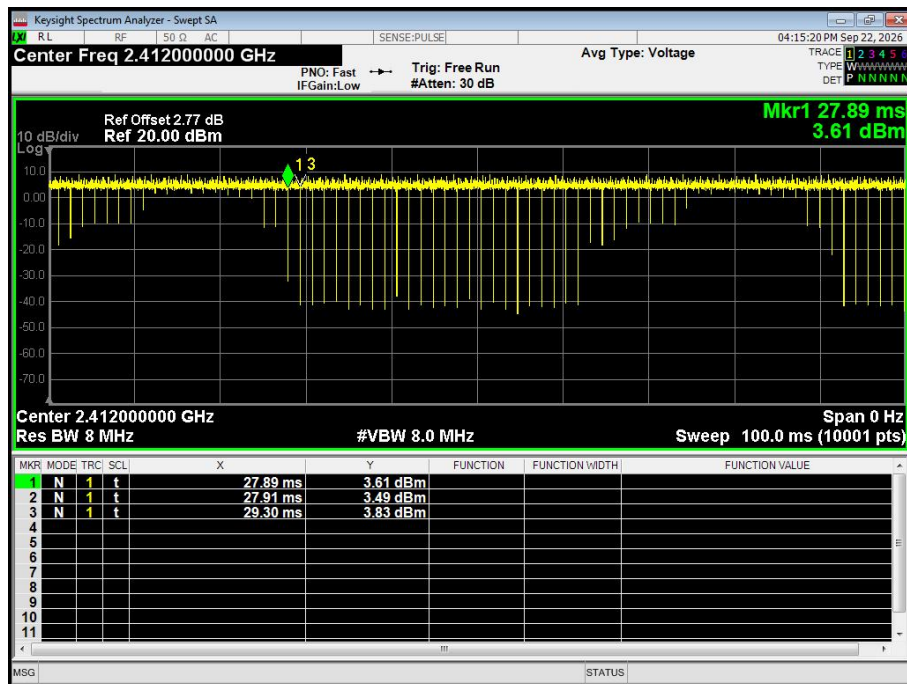


Test Graphs

b 2462MHz Ant1

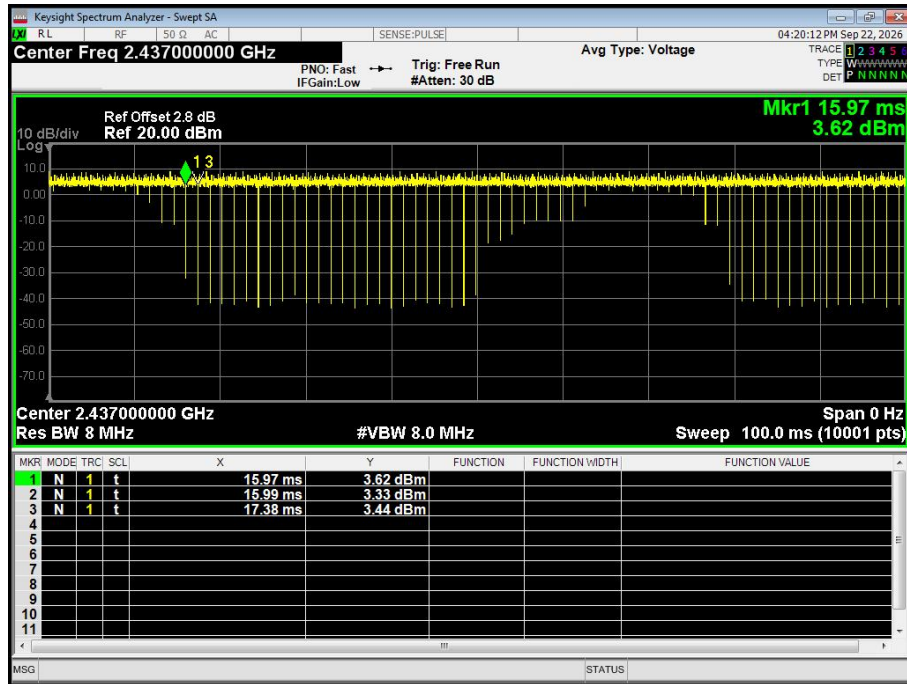


g 2412MHz Ant1

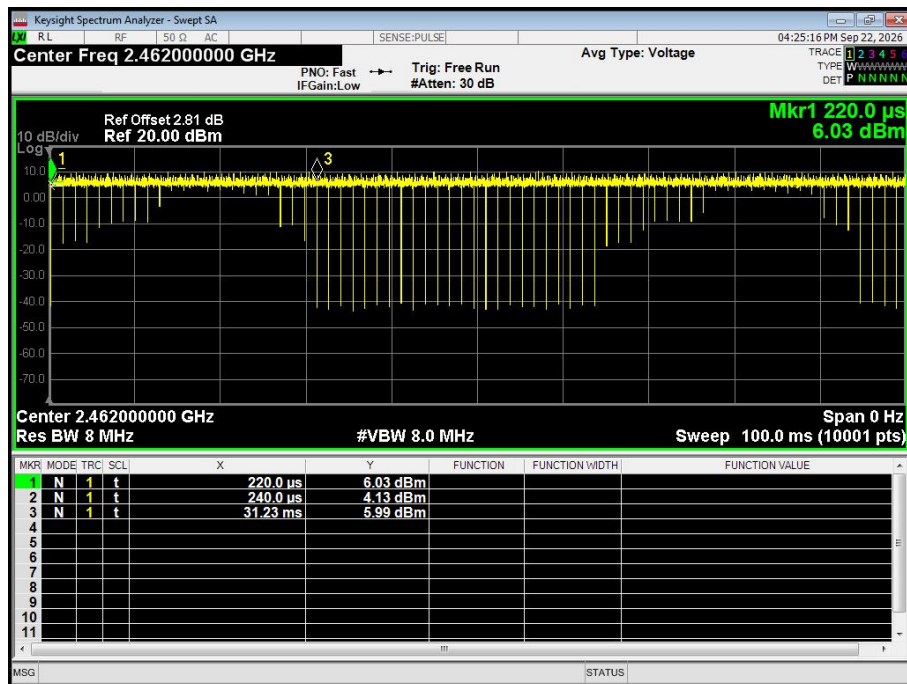


Test Graphs

g 2437MHz Ant1

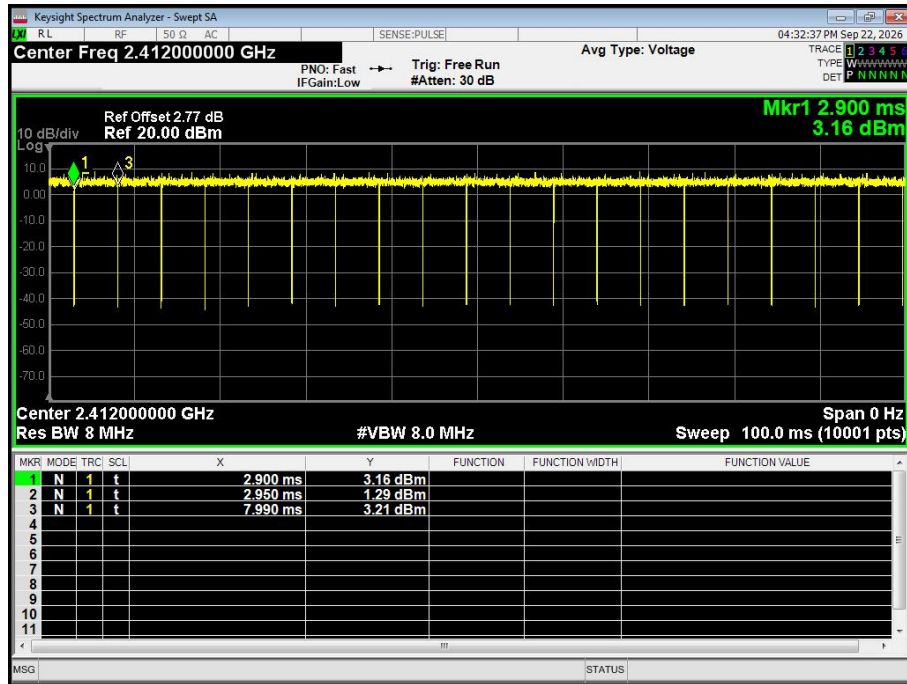


g 2462MHz Ant1

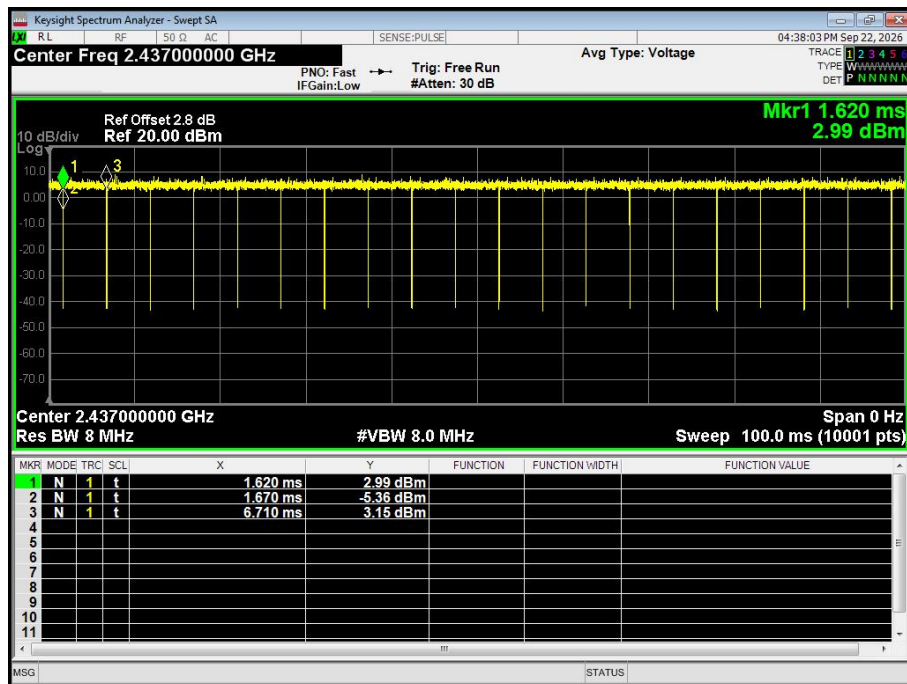


Test Graphs

n20 2412MHz Ant1

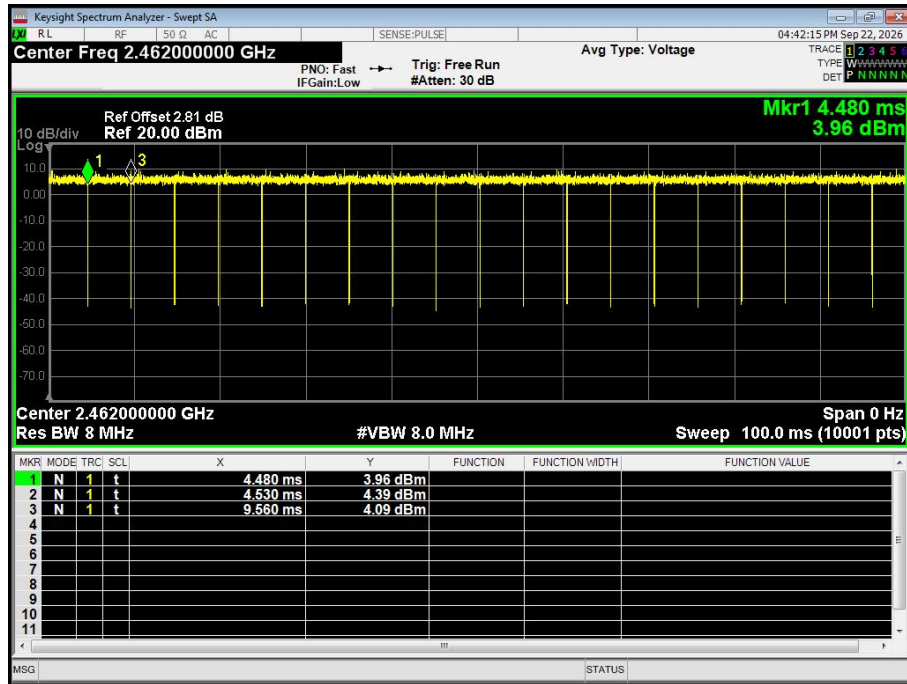


n20 2437MHz Ant1

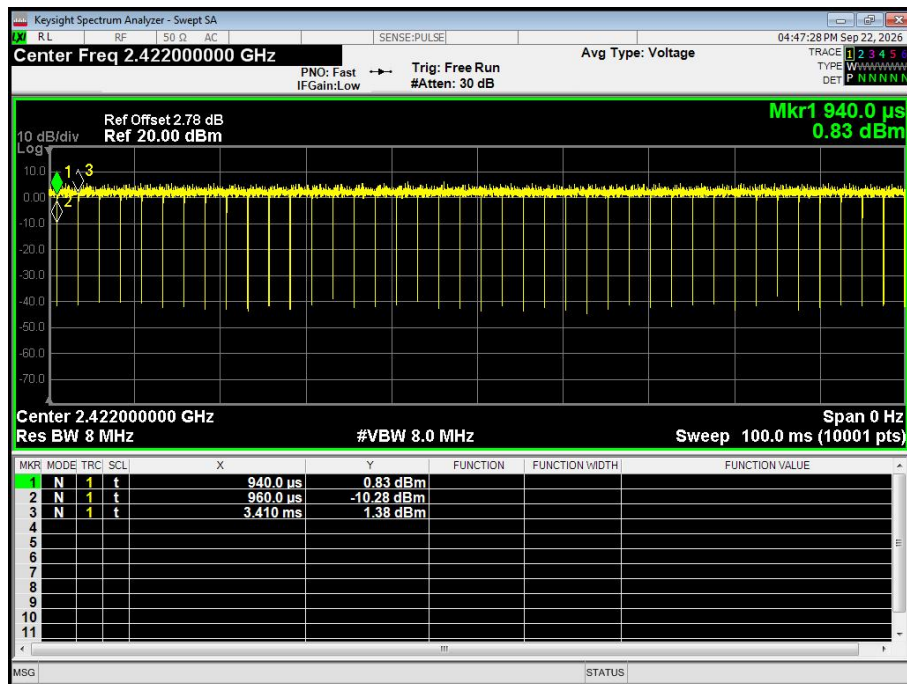


Test Graphs

n20 2462MHz Ant1

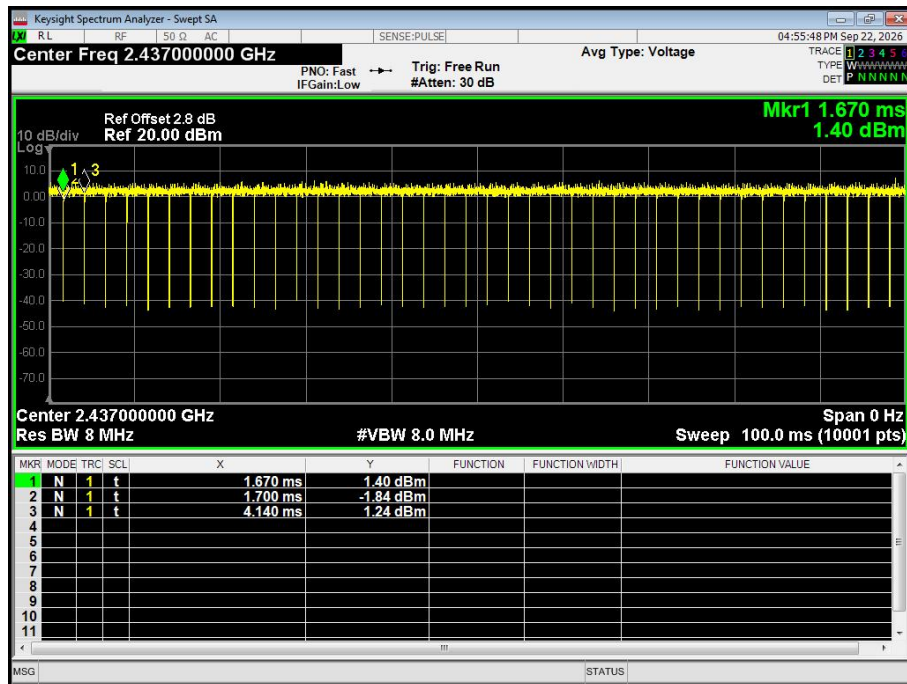


n40 2422MHz Ant1

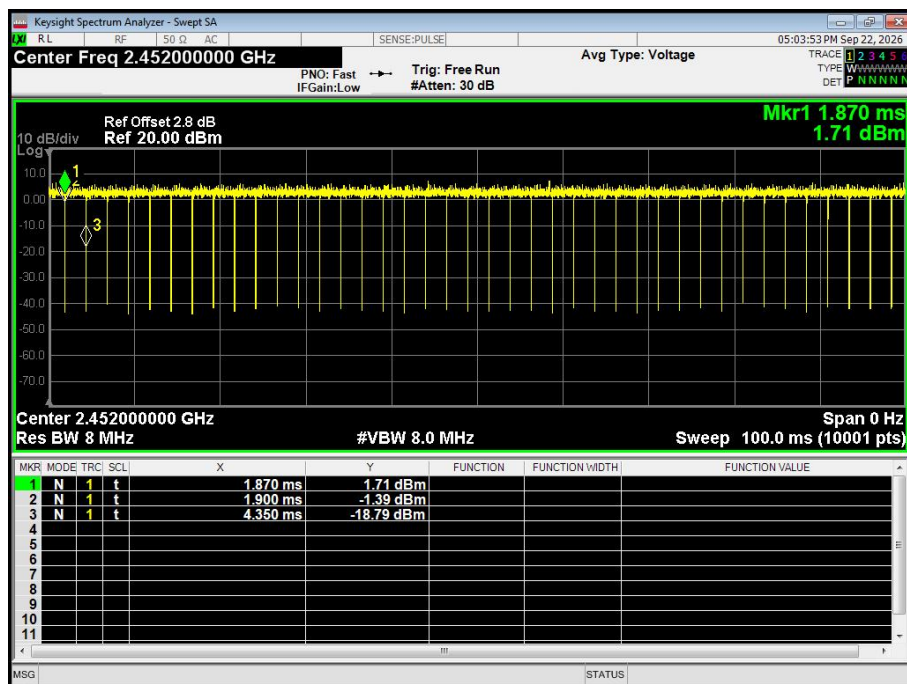


Test Graphs

n40 2437MHz Ant1

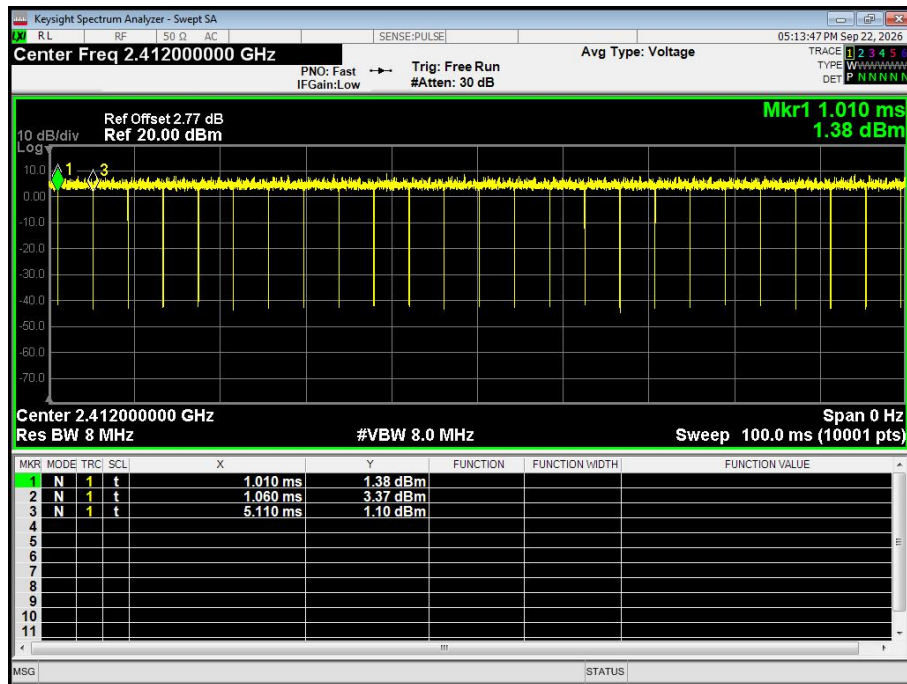


n40 2452MHz Ant1

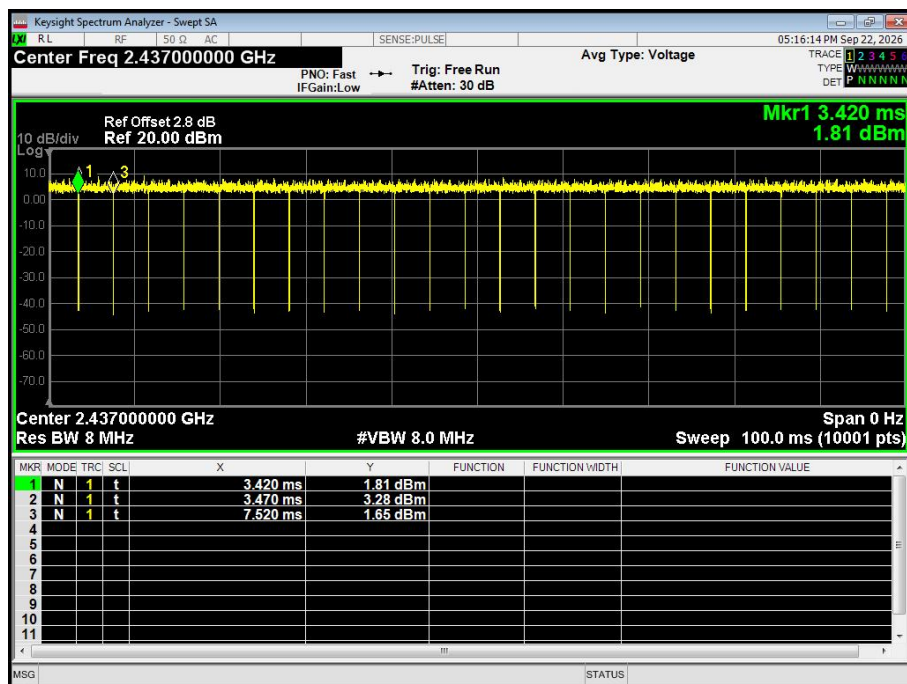


Test Graphs

ax20 2412MHz Ant1

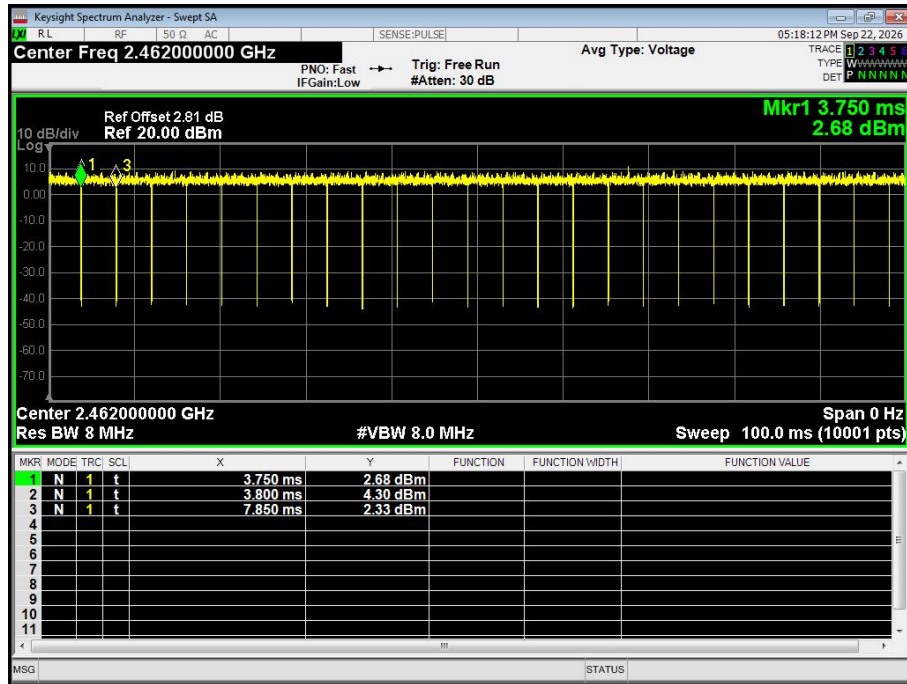


ax20 2437MHz Ant1

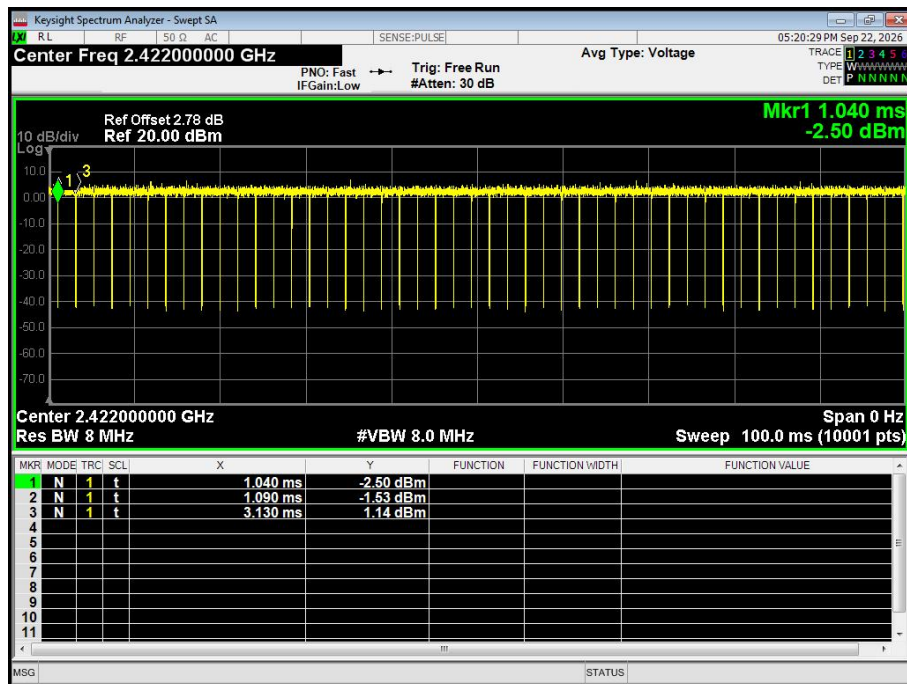


Test Graphs

ax20 2462MHz Ant1



ax40 2422MHz Ant1



2 Maximum Conducted Output Power

2.1 Test Result

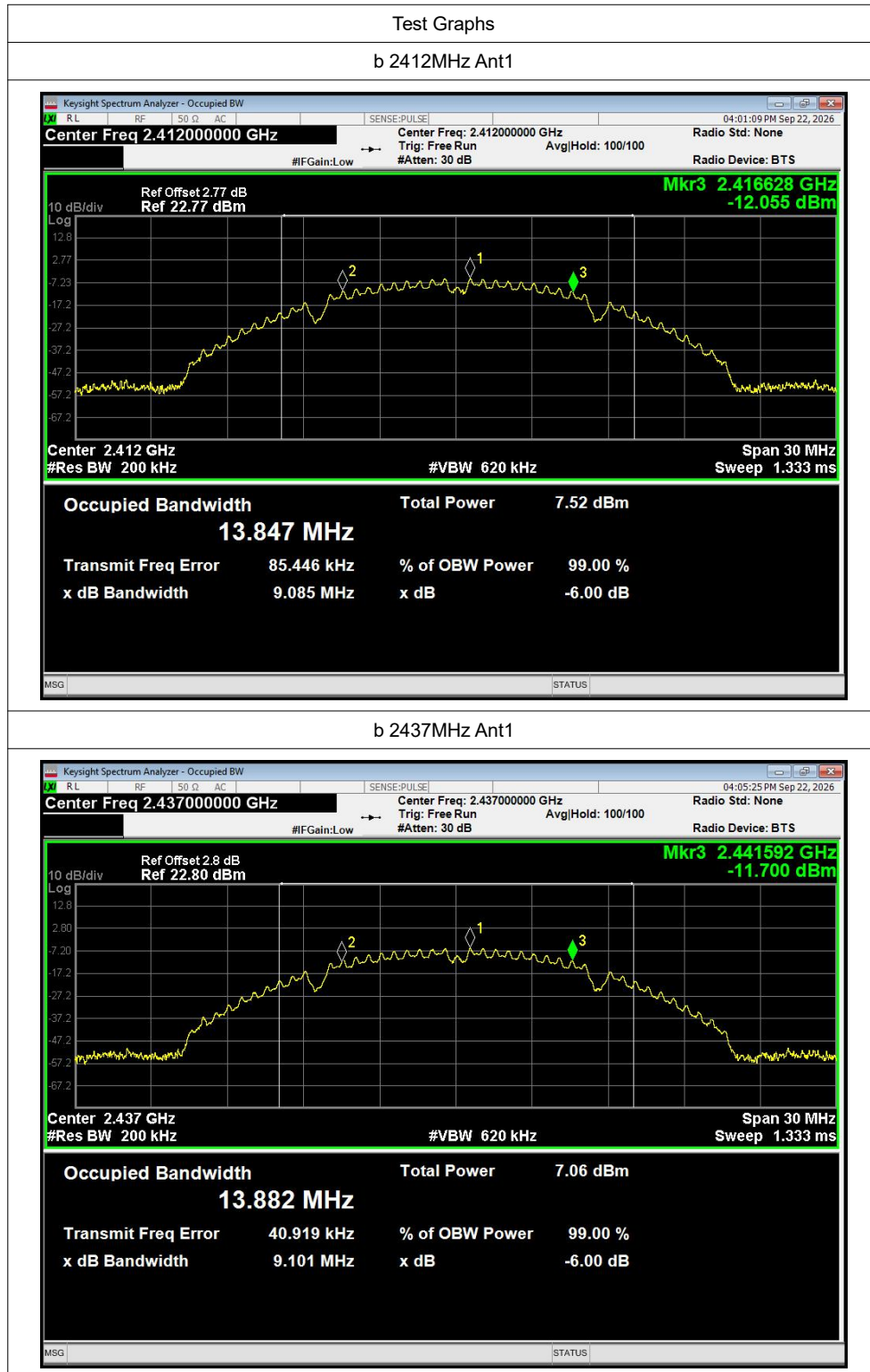
Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
b	2412	Ant1	6.44	30	Pass
b	2437	Ant1	5.87	30	Pass
b	2462	Ant1	6.47	30	Pass
g	2412	Ant1	4.69	30	Pass
g	2437	Ant1	4.91	30	Pass
g	2462	Ant1	5.74	30	Pass
n20	2412	Ant1	4.69	30	Pass
n20	2437	Ant1	4.73	30	Pass
n20	2462	Ant1	5.5	30	Pass
n40	2422	Ant1	3.53	30	Pass
n40	2437	Ant1	3.83	30	Pass
n40	2452	Ant1	4.29	30	Pass
ax20	2412	Ant1	4.55	30	Pass
ax20	2437	Ant1	4.64	30	Pass
ax20	2462	Ant1	5.52	30	Pass
ax40	2422	Ant1	4.39	30	Pass
ax40	2437	Ant1	4.6	30	Pass
ax40	2452	Ant1	5.03	30	Pass

3 -6dB Bandwidth

3.1 Test Result

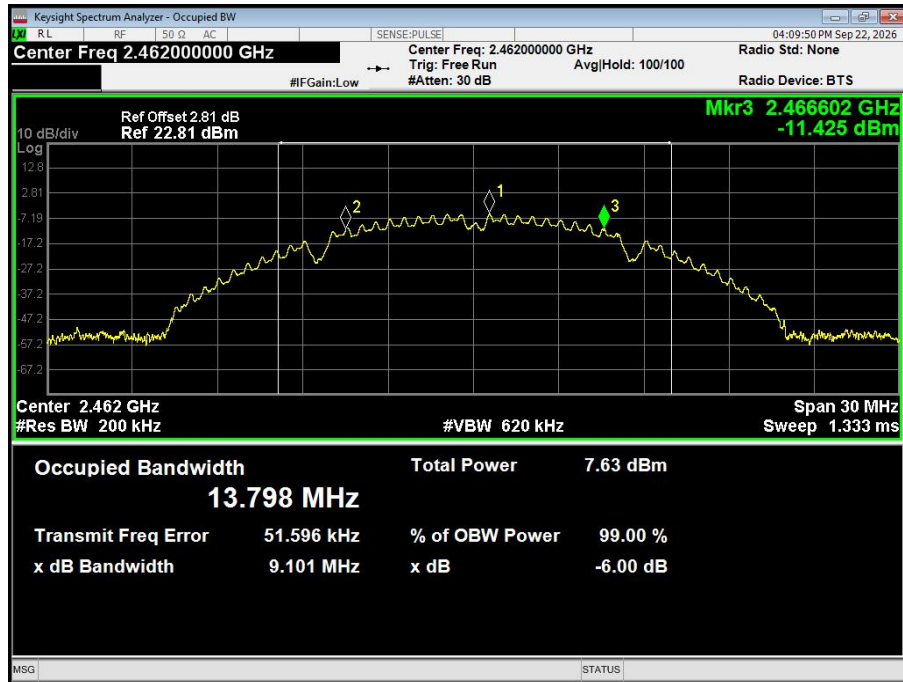
Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
b	2412	Ant1	9.085	0.5	Pass
b	2437	Ant1	9.101	0.5	Pass
b	2462	Ant1	9.101	0.5	Pass
g	2412	Ant1	11.237	0.5	Pass
g	2437	Ant1	12.234	0.5	Pass
g	2462	Ant1	12.111	0.5	Pass
n20	2412	Ant1	13.341	0.5	Pass
n20	2437	Ant1	4.843	0.5	Pass
n20	2462	Ant1	11.195	0.5	Pass
n40	2422	Ant1	24.221	0.5	Pass
n40	2437	Ant1	24.995	0.5	Pass
n40	2452	Ant1	24.161	0.5	Pass
ax20	2412	Ant1	11.14	0.5	Pass
ax20	2437	Ant1	10.834	0.5	Pass
ax20	2462	Ant1	12.357	0.5	Pass
ax40	2422	Ant1	25.325	0.5	Pass
ax40	2437	Ant1	22.035	0.5	Pass
ax40	2452	Ant1	24.507	0.5	Pass

3.2 Test Graphs

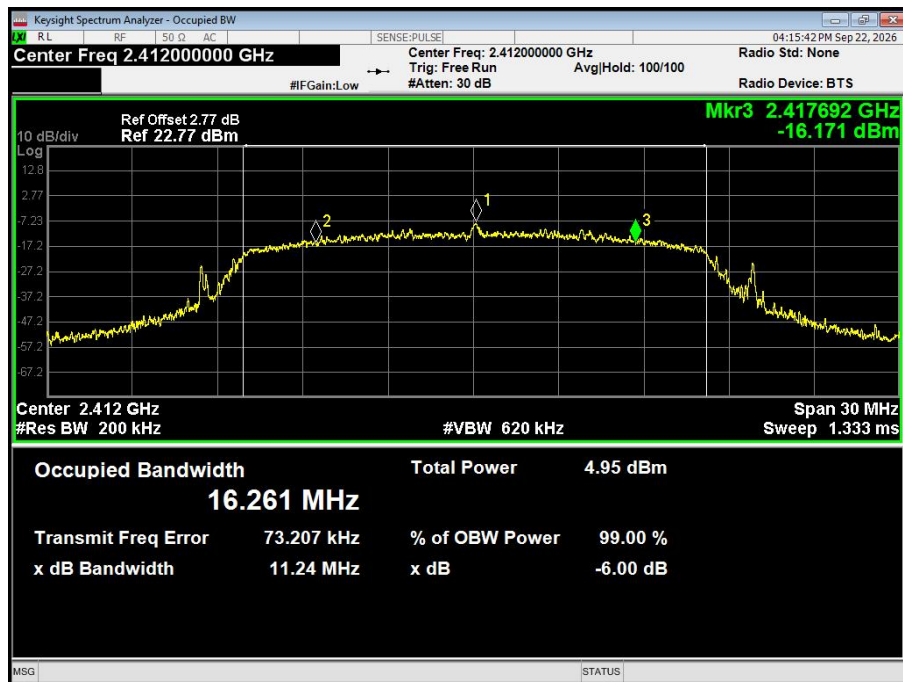




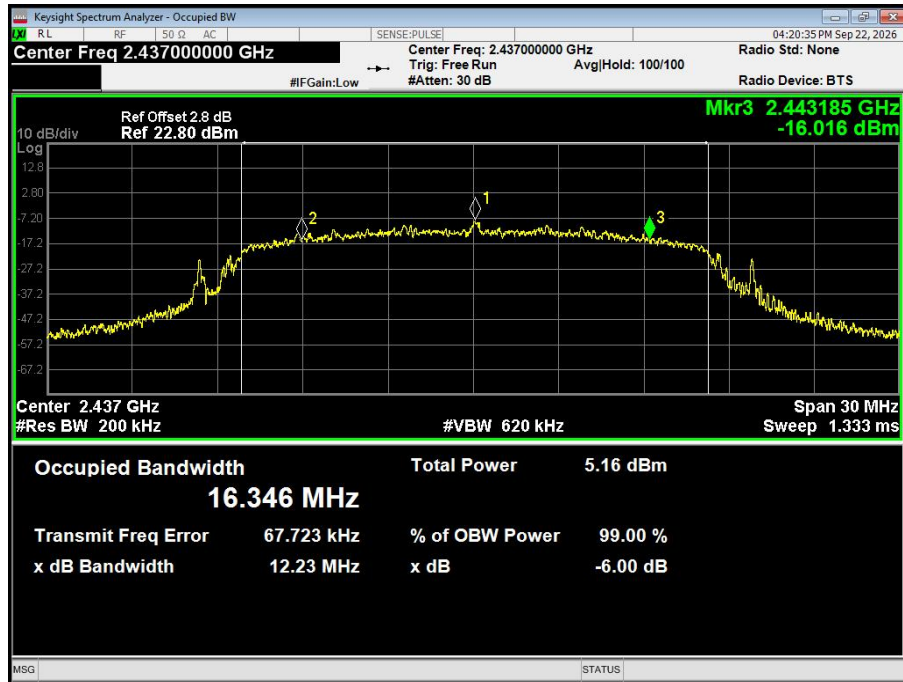
b 2462MHz Ant1



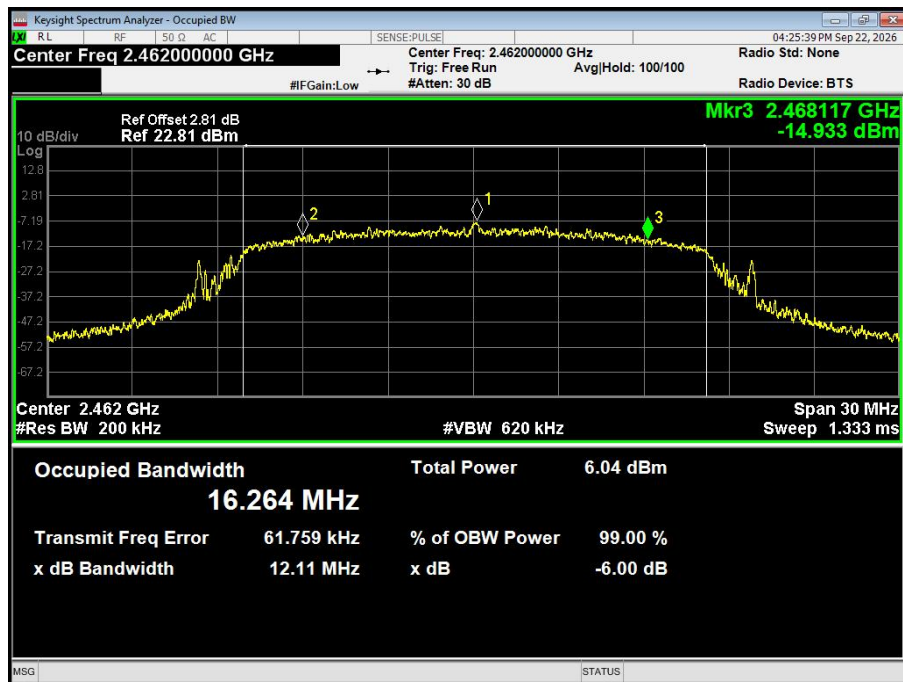
g 2412MHz Ant1



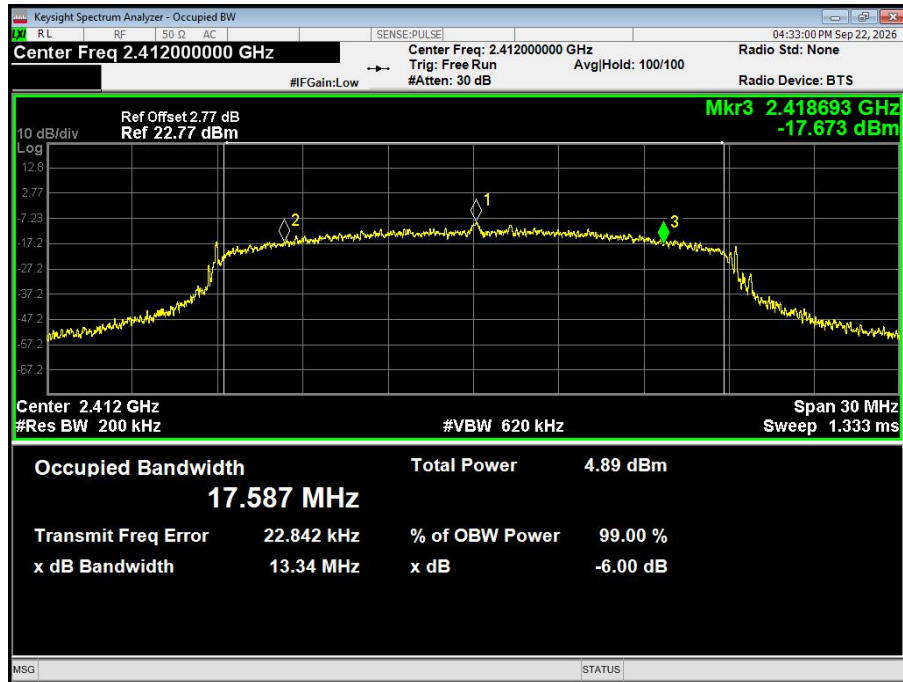
g 2437MHz Ant1



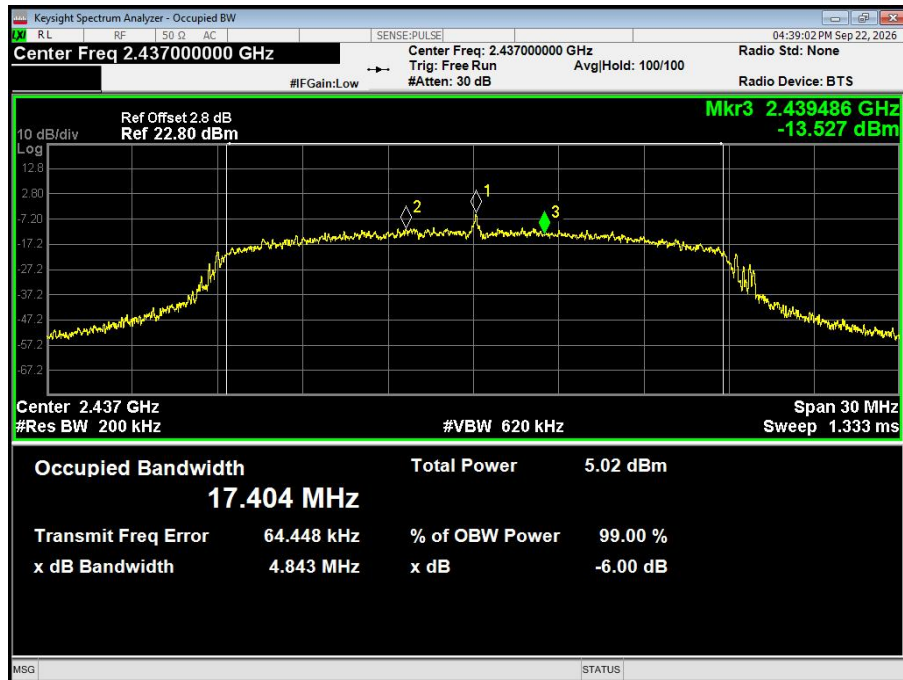
g 2462MHz Ant1



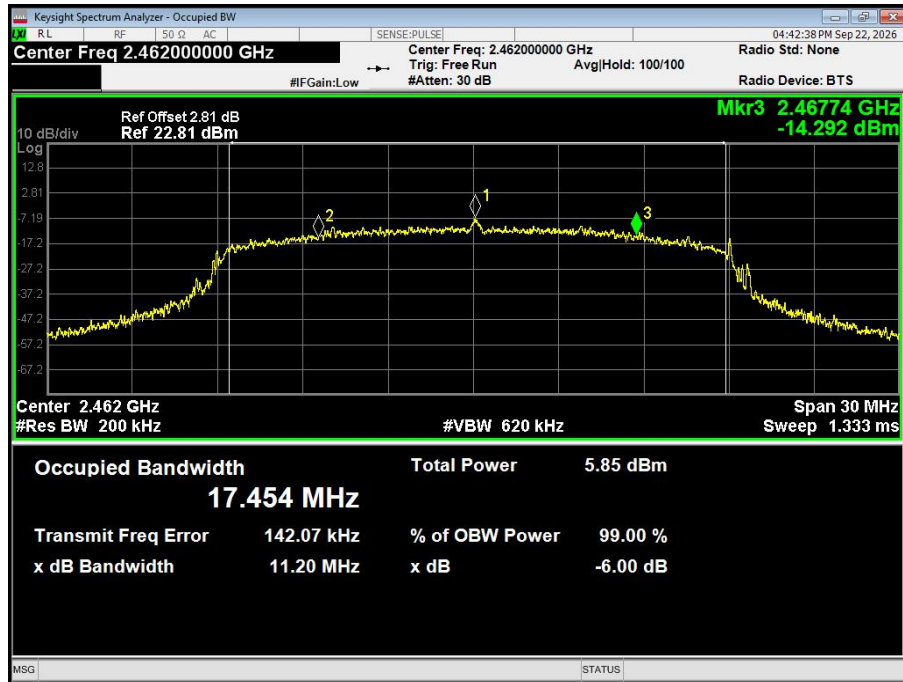
n20 2412MHz Ant1



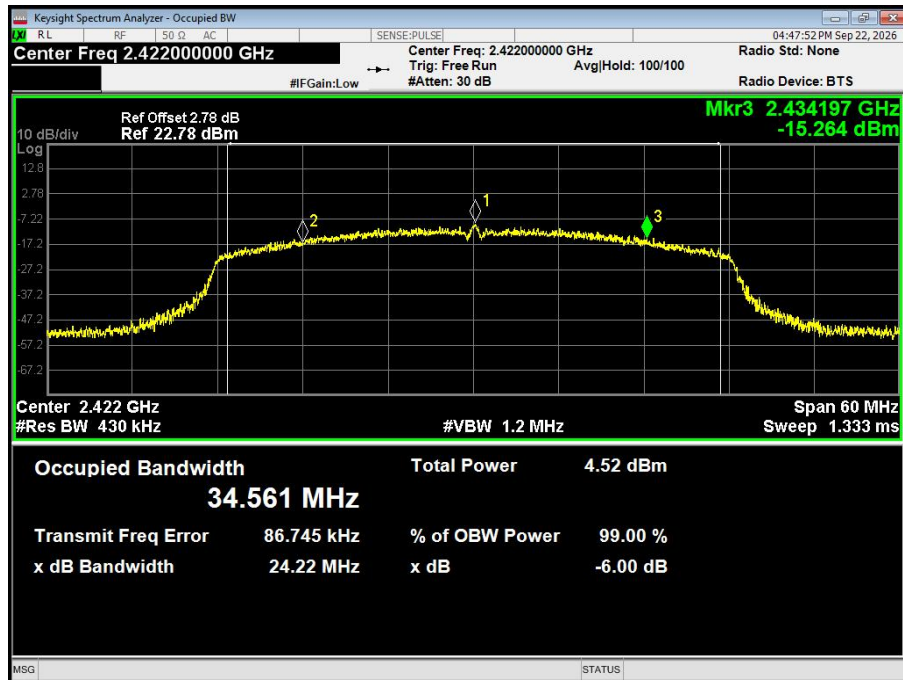
n20 2437MHz Ant1



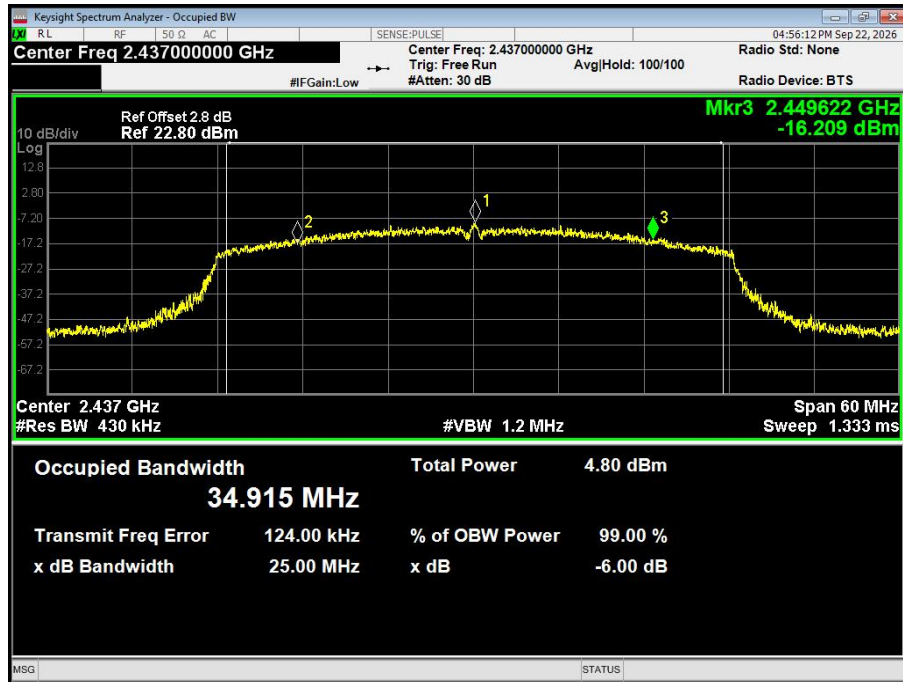
n20 2462MHz Ant1



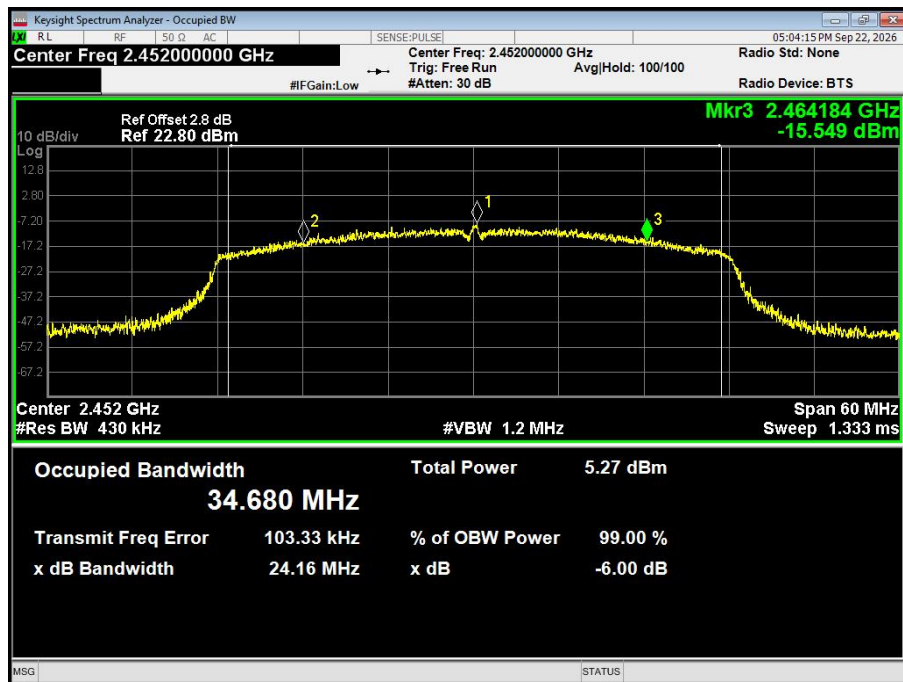
n40 2422MHz Ant1



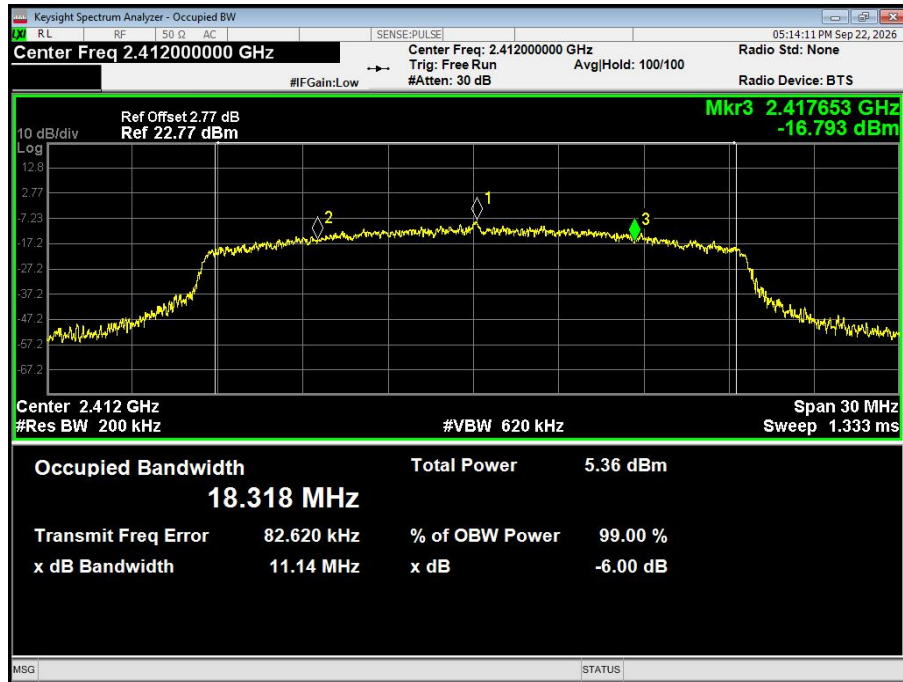
n40 2437MHz Ant1



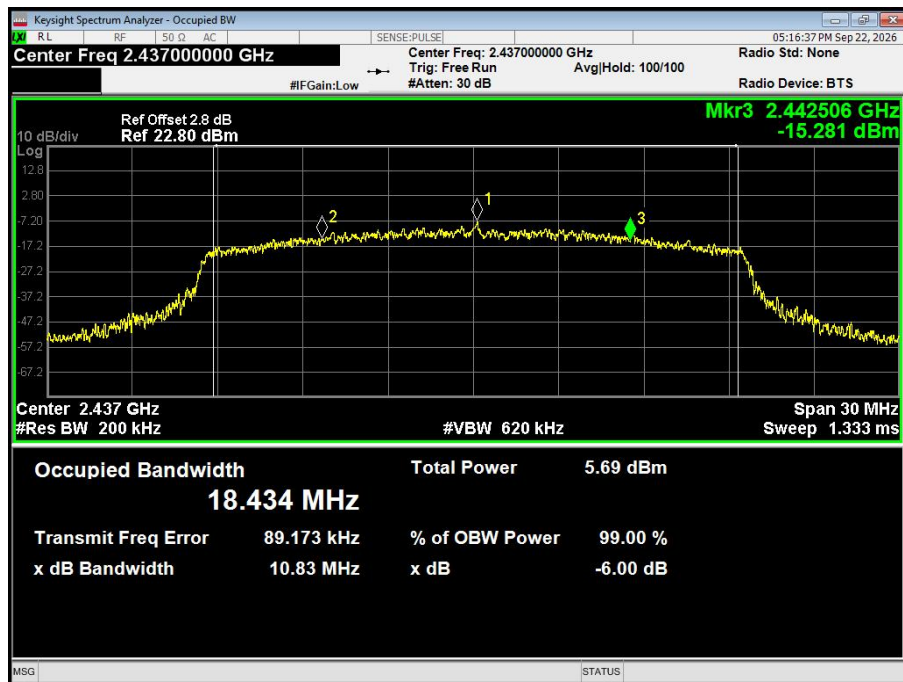
n40 2452MHz Ant1



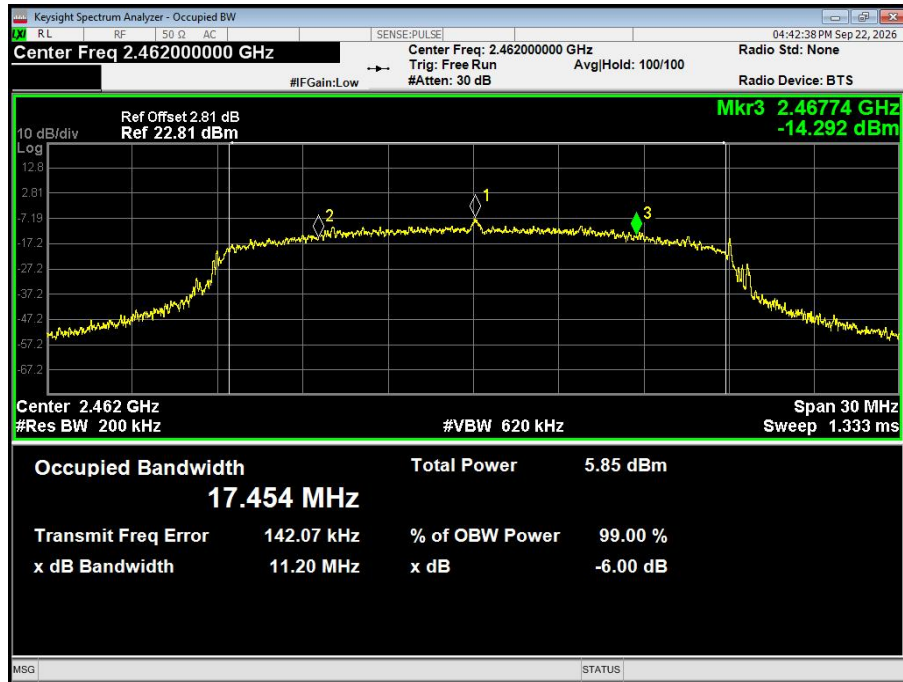
ax20 2412MHz Ant1



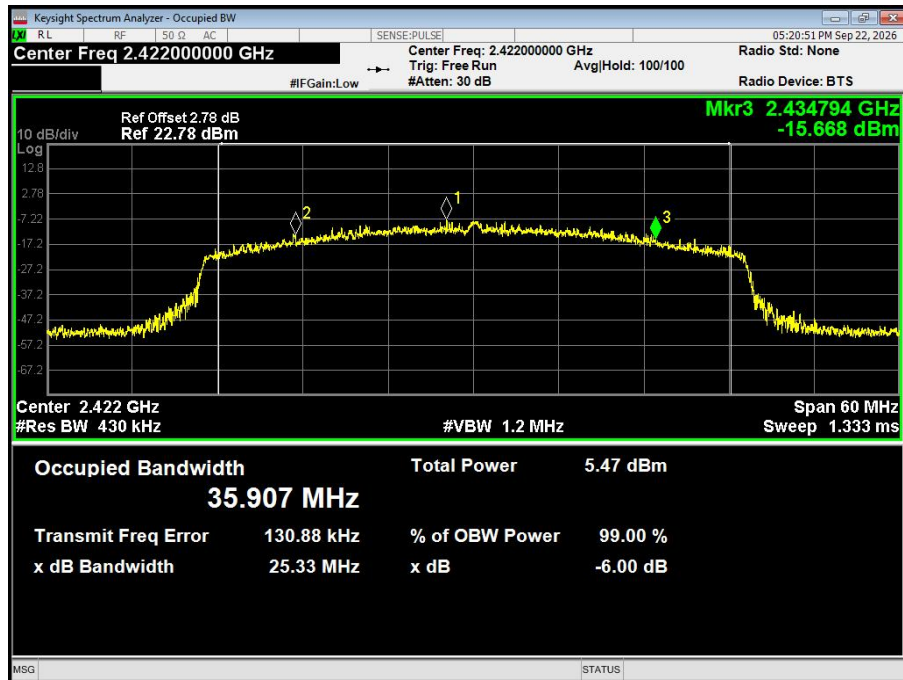
ax20 2437MHz Ant1



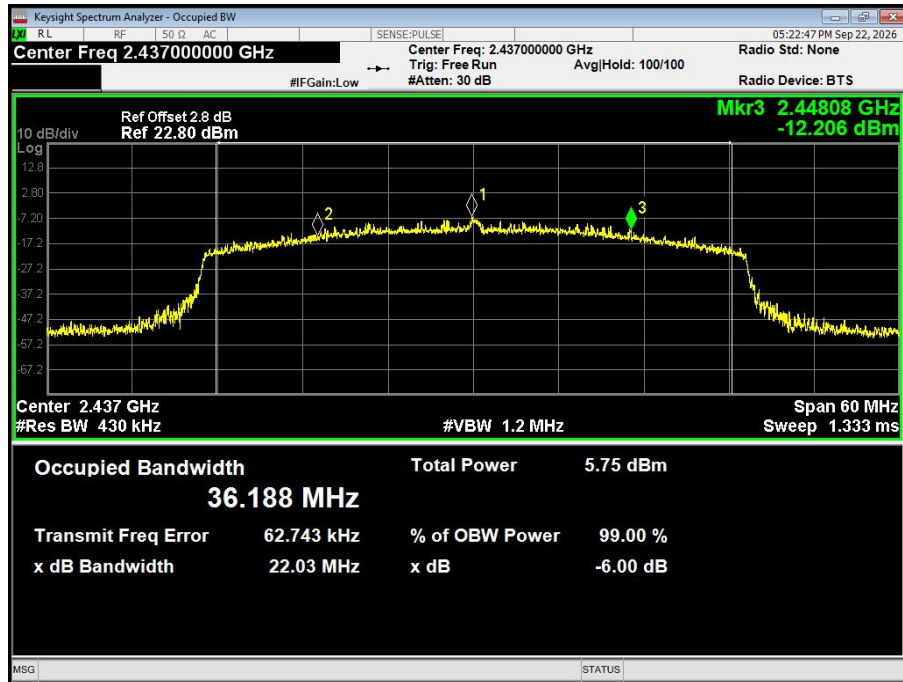
ax20 2462MHz Ant1



ax40 2422MHz Ant1



ax40 2437MHz Ant1



ax40 2452MHz Ant1

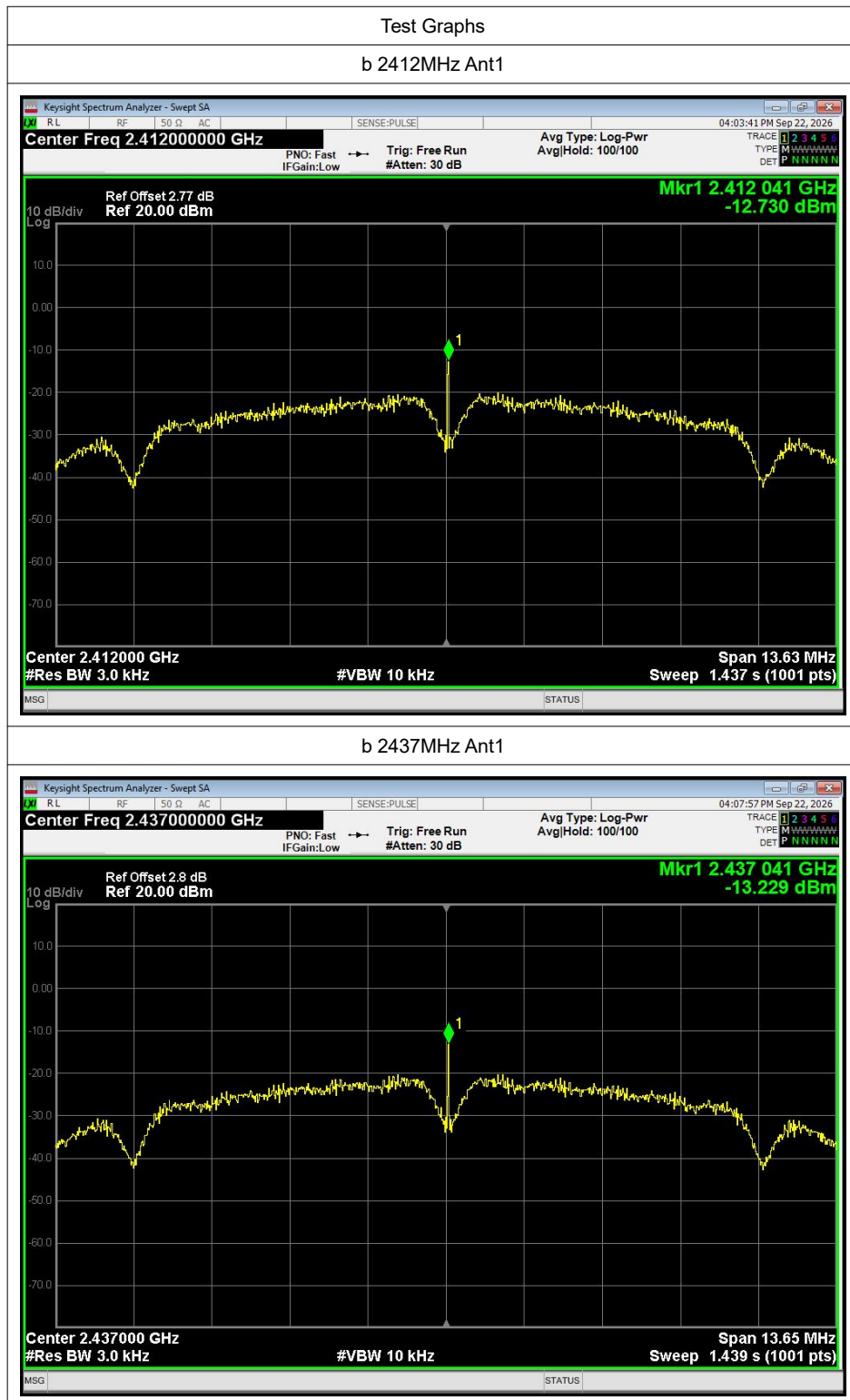


4 Maximum Power Spectral Density Level

4.1 Test Result

Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3-100kHz)	Limit (dBm/3kHz)	Verdict
b	2412	Ant1	-12.73	≤8	Pass
b	2437	Ant1	-13.23	≤8	Pass
b	2462	Ant1	-12.63	≤8	Pass
g	2412	Ant1	-11.6	≤8	Pass
g	2437	Ant1	-11.42	≤8	Pass
g	2462	Ant1	-10.72	≤8	Pass
n20	2412	Ant1	-11.59	≤8	Pass
n20	2437	Ant1	-11.73	≤8	Pass
n20	2462	Ant1	-10.77	≤8	Pass
n40	2422	Ant1	-11.61	≤8	Pass
n40	2437	Ant1	-11.43	≤8	Pass
n40	2452	Ant1	-10.89	≤8	Pass
ax20	2412	Ant1	-11.61	≤8	Pass
ax20	2437	Ant1	-11.48	≤8	Pass
ax20	2462	Ant1	-10.68	≤8	Pass
ax40	2422	Ant1	-11.31	≤8	Pass
ax40	2437	Ant1	-11.27	≤8	Pass
ax40	2452	Ant1	-10.49	≤8	Pass

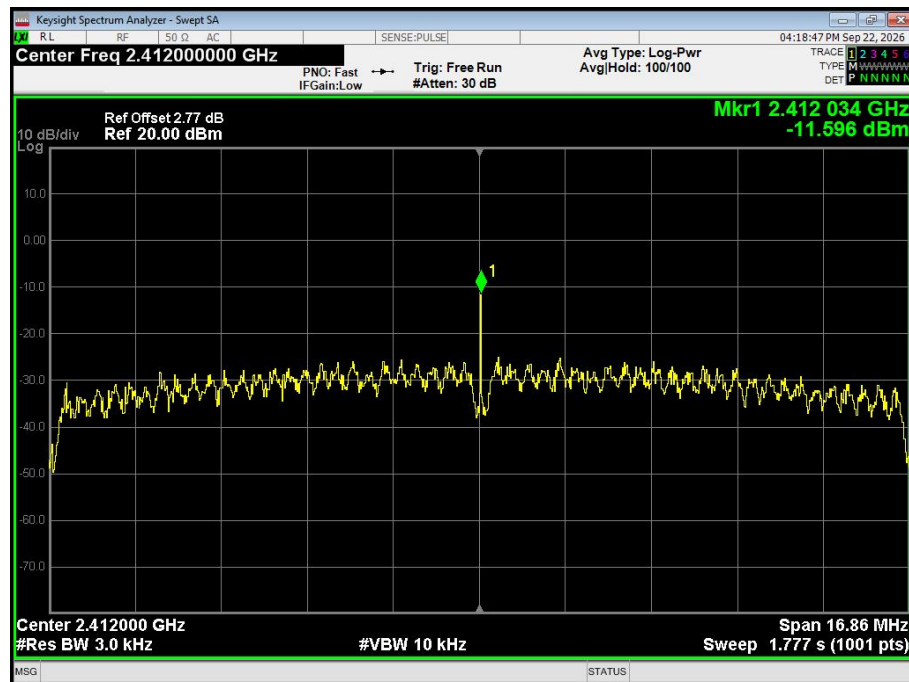
4.2 Test Graphs



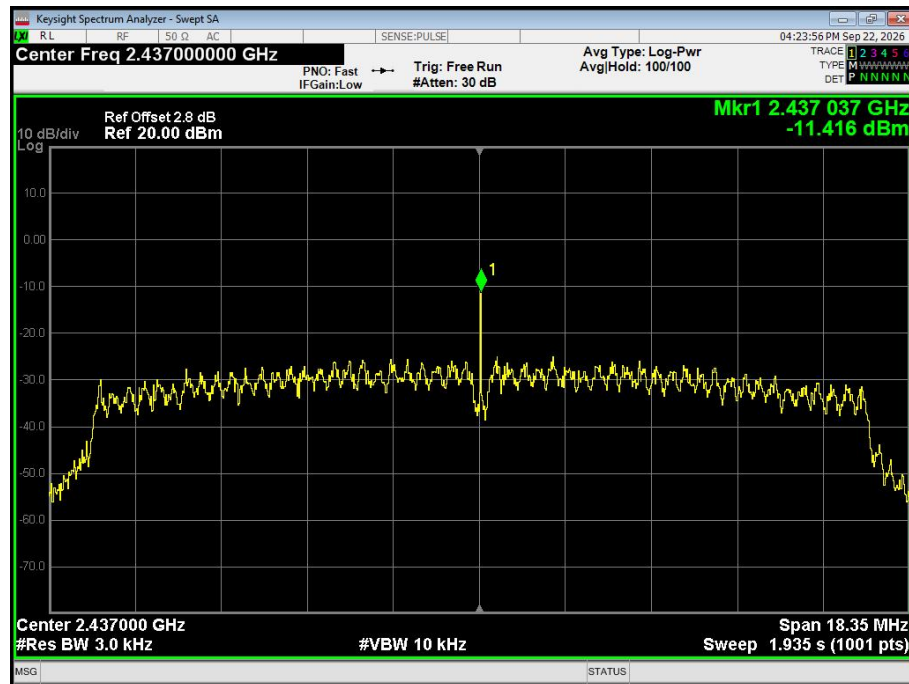
b 2462MHz Ant1



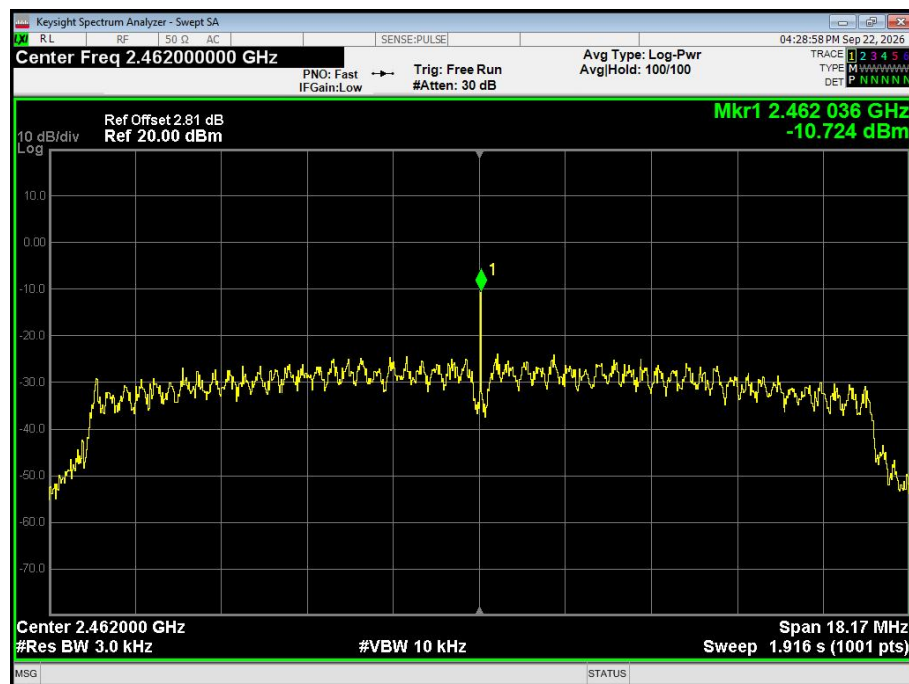
g 2412MHz Ant1



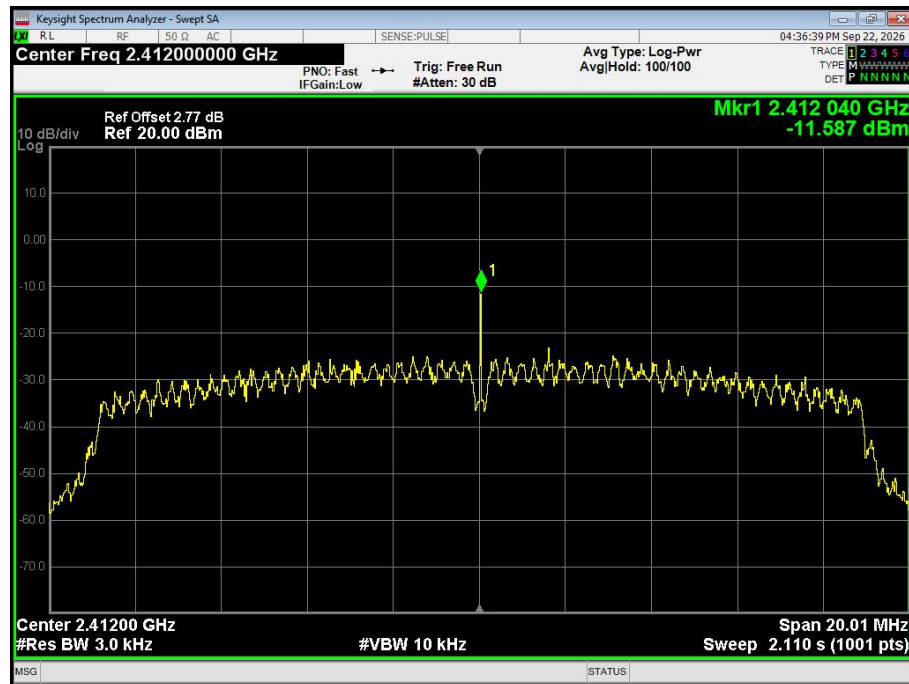
g 2437MHz Ant1



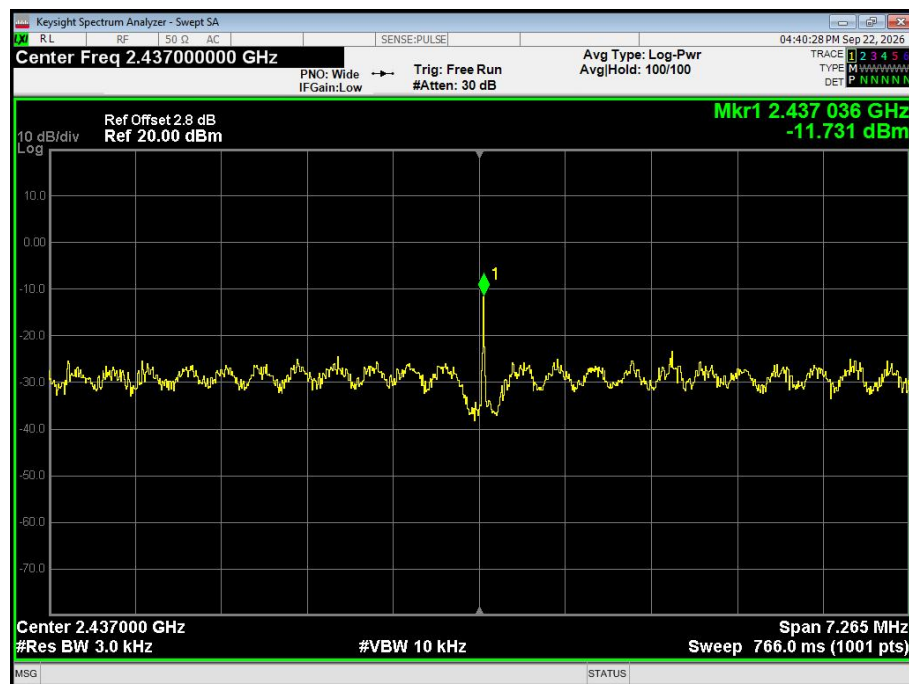
g 2462MHz Ant1



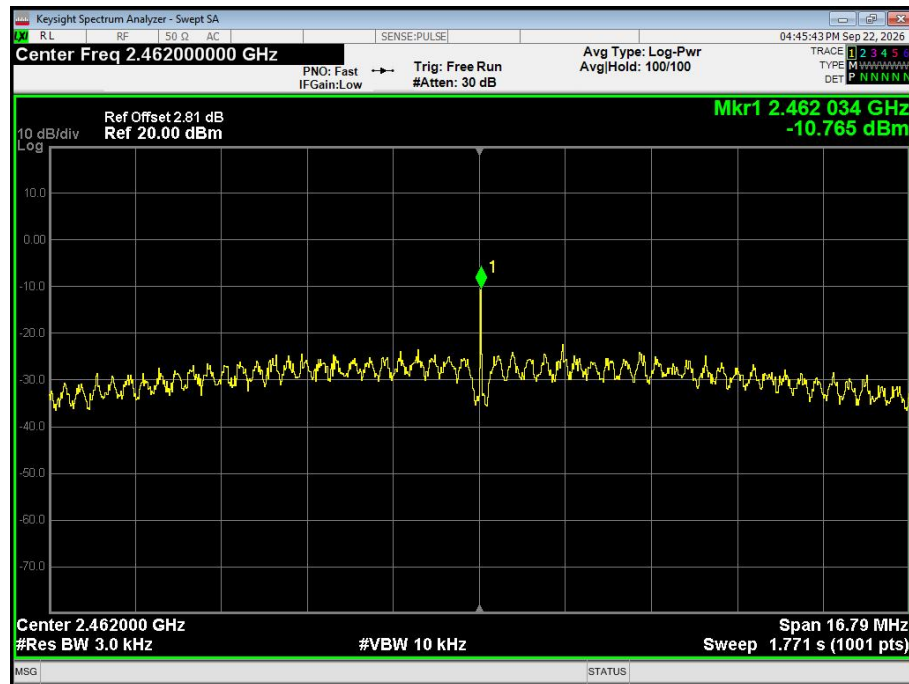
n20 2412MHz Ant1



n20 2437MHz Ant1



n20 2462MHz Ant1



n40 2422MHz Ant1

