

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.560	2407.480	2416.040	0.5	PASS
11B	Ant1	2437	10.080	2431.960	2442.040	0.5	PASS
11B	Ant1	2462	9.040	2457.480	2466.520	0.5	PASS
11G	Ant1	2412	16.320	2403.840	2420.160	0.5	PASS
11G	Ant1	2437	16.320	2428.840	2445.160	0.5	PASS
11G	Ant1	2462	16.320	2453.840	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.040	2403.720	2420.760	0.5	PASS
11N20SISO	Ant1	2437	17.600	2428.200	2445.800	0.5	PASS
11N20SISO	Ant1	2462	17.600	2453.200	2470.800	0.5	PASS
11N40SISO	Ant1	2422	34.480	2405.680	2440.160	0.5	PASS
11N40SISO	Ant1	2437	35.120	2419.400	2454.520	0.5	PASS
11N40SISO	Ant1	2452	36.080	2434.080	2470.160	0.5	PASS

Test Graphs

11B-Ant1-2412-PASS



11B-Ant1-2437-PASS

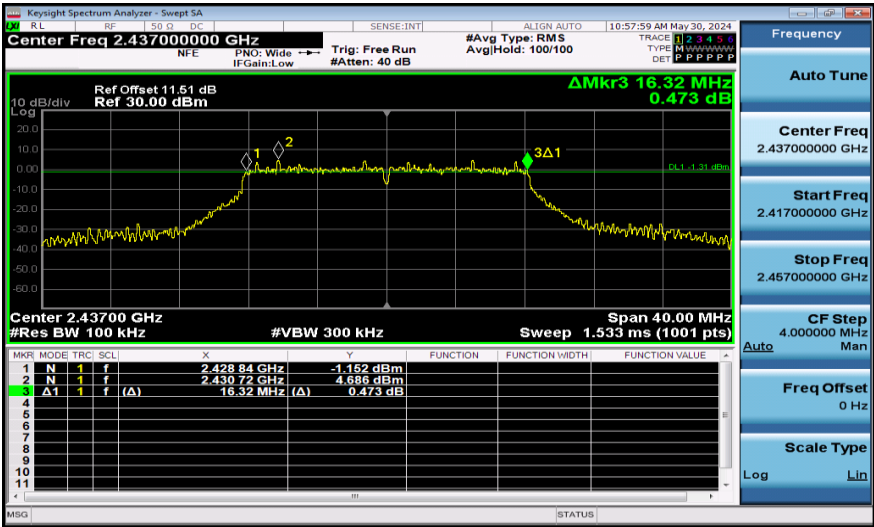


11B-Ant1-2462-PASS

FCC ID: 2BEZH-CF1A



11G-Ant1-2412-PASS

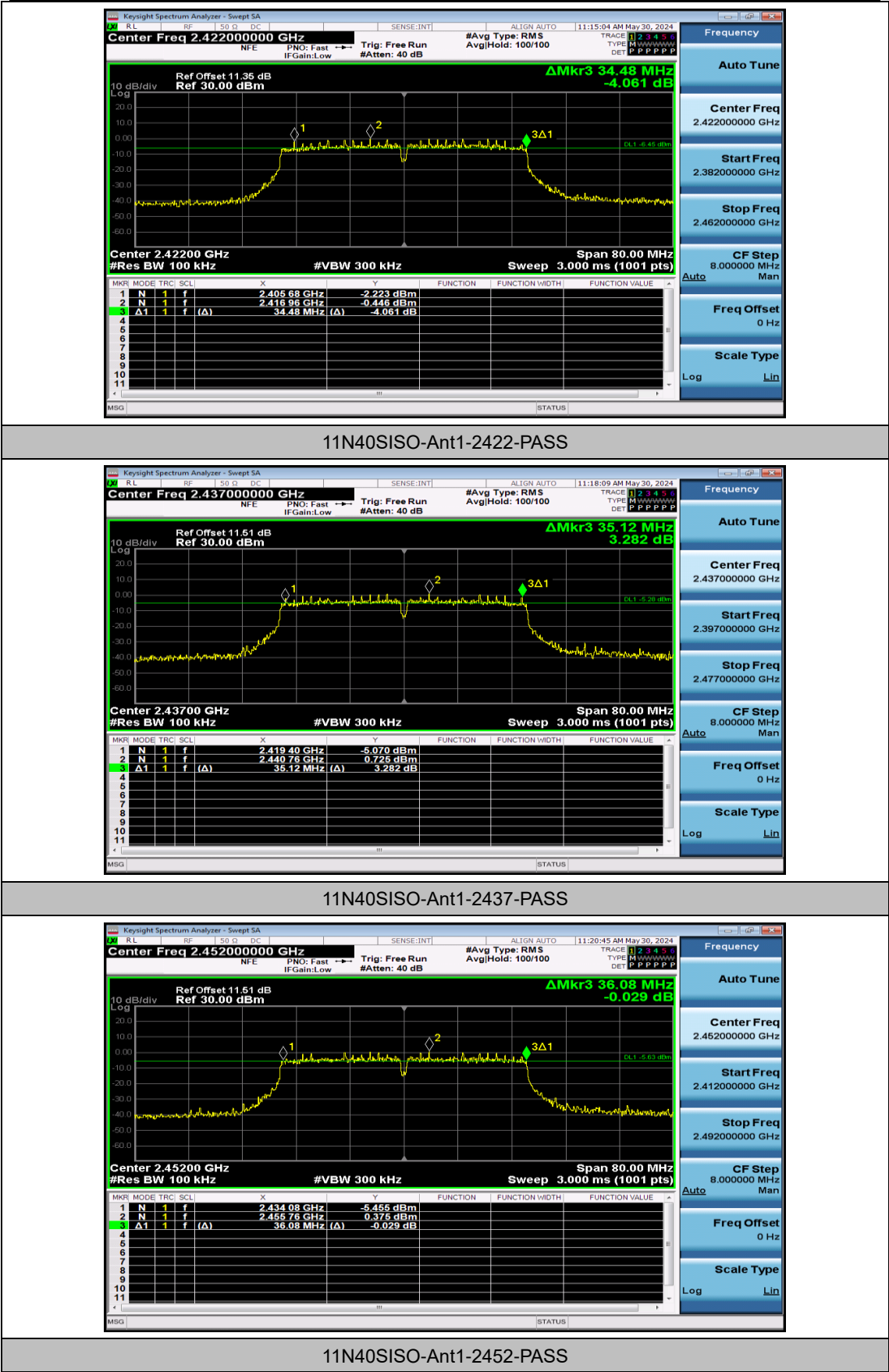


11G-Ant1-2437-PASS



11G-Ant1-2462-PASS



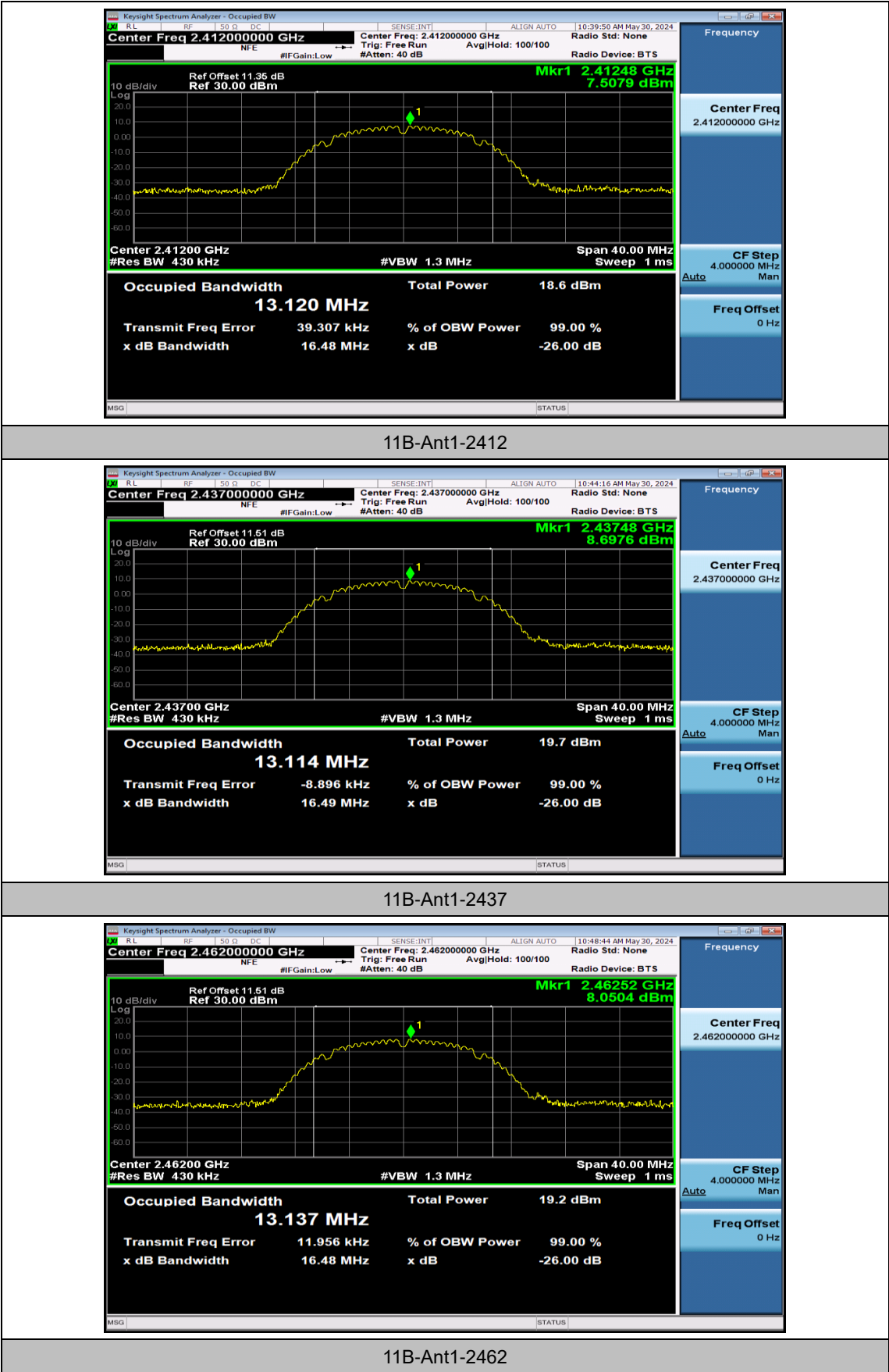


Appendix B: Occupied Channel Bandwidth

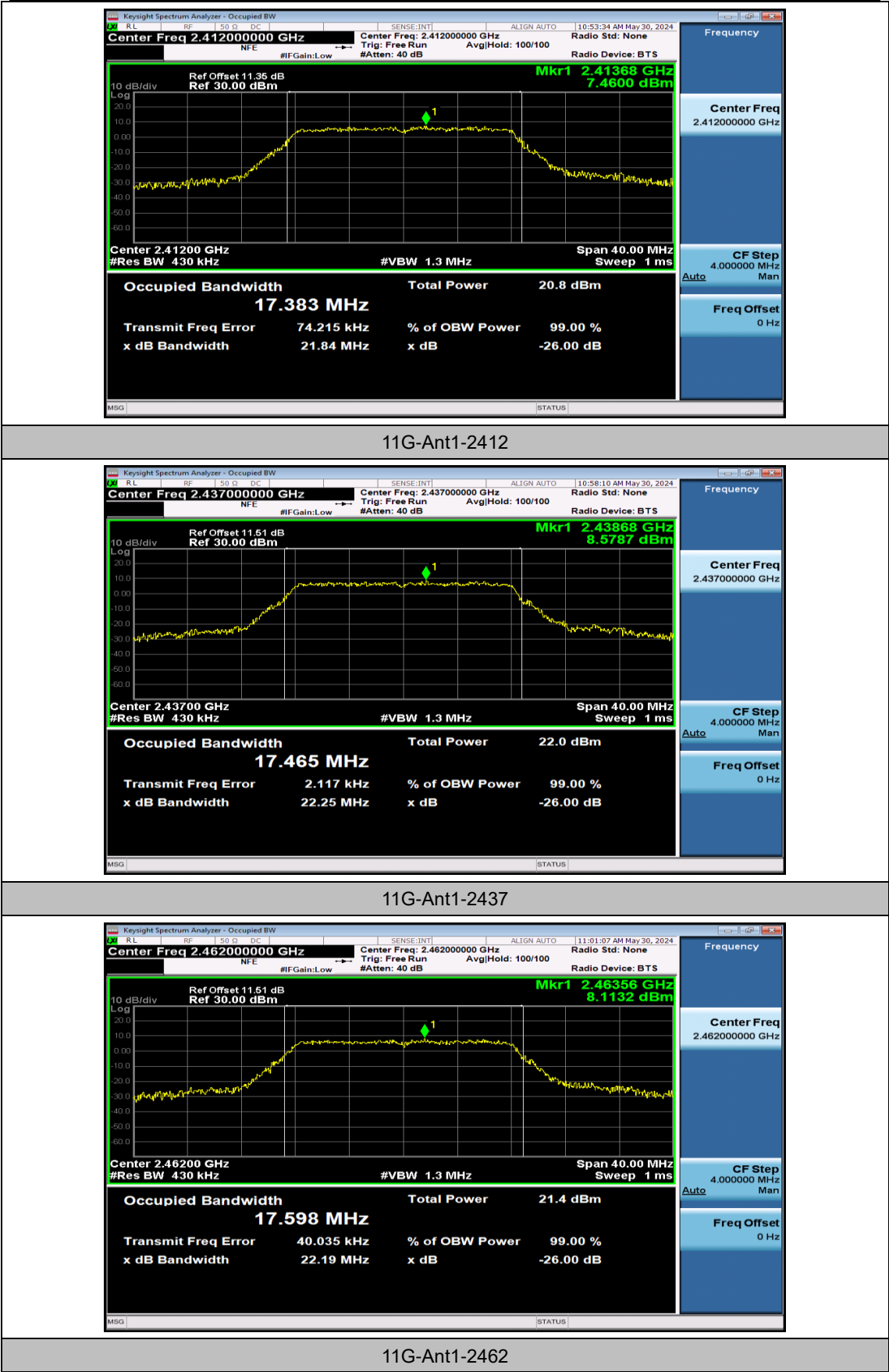
Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.120	2405.4793	2418.5993	---	---
11B	Ant1	2437	13.114	2430.4341	2443.5481	---	---
11B	Ant1	2462	13.137	2455.4435	2468.5805	---	---
11G	Ant1	2412	17.383	2403.3827	2420.7657	---	---
11G	Ant1	2437	17.465	2428.2696	2445.7346	---	---
11G	Ant1	2462	17.598	2453.2410	2470.8390	---	---
11N20SISO	Ant1	2412	18.347	2402.8750	2421.2220	---	---
11N20SISO	Ant1	2437	18.425	2427.7795	2446.2045	---	---
11N20SISO	Ant1	2462	18.456	2452.7526	2471.2086	---	---
11N40SISO	Ant1	2422	36.526	2403.7952	2440.3212	---	---
11N40SISO	Ant1	2437	36.710	2418.5845	2455.2945	---	---
11N40SISO	Ant1	2452	36.689	2433.6005	2470.2895	---	---

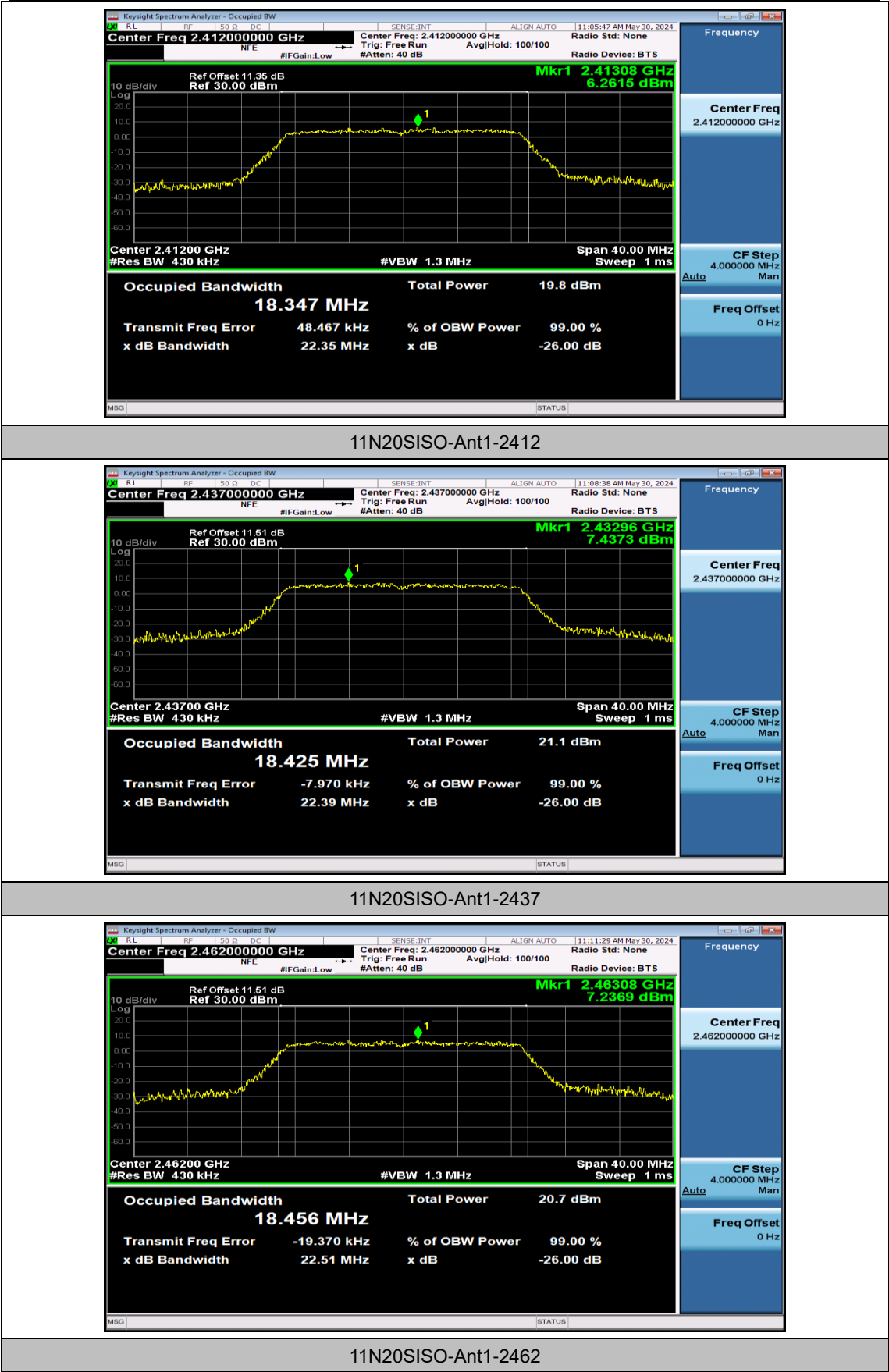
Test Graphs



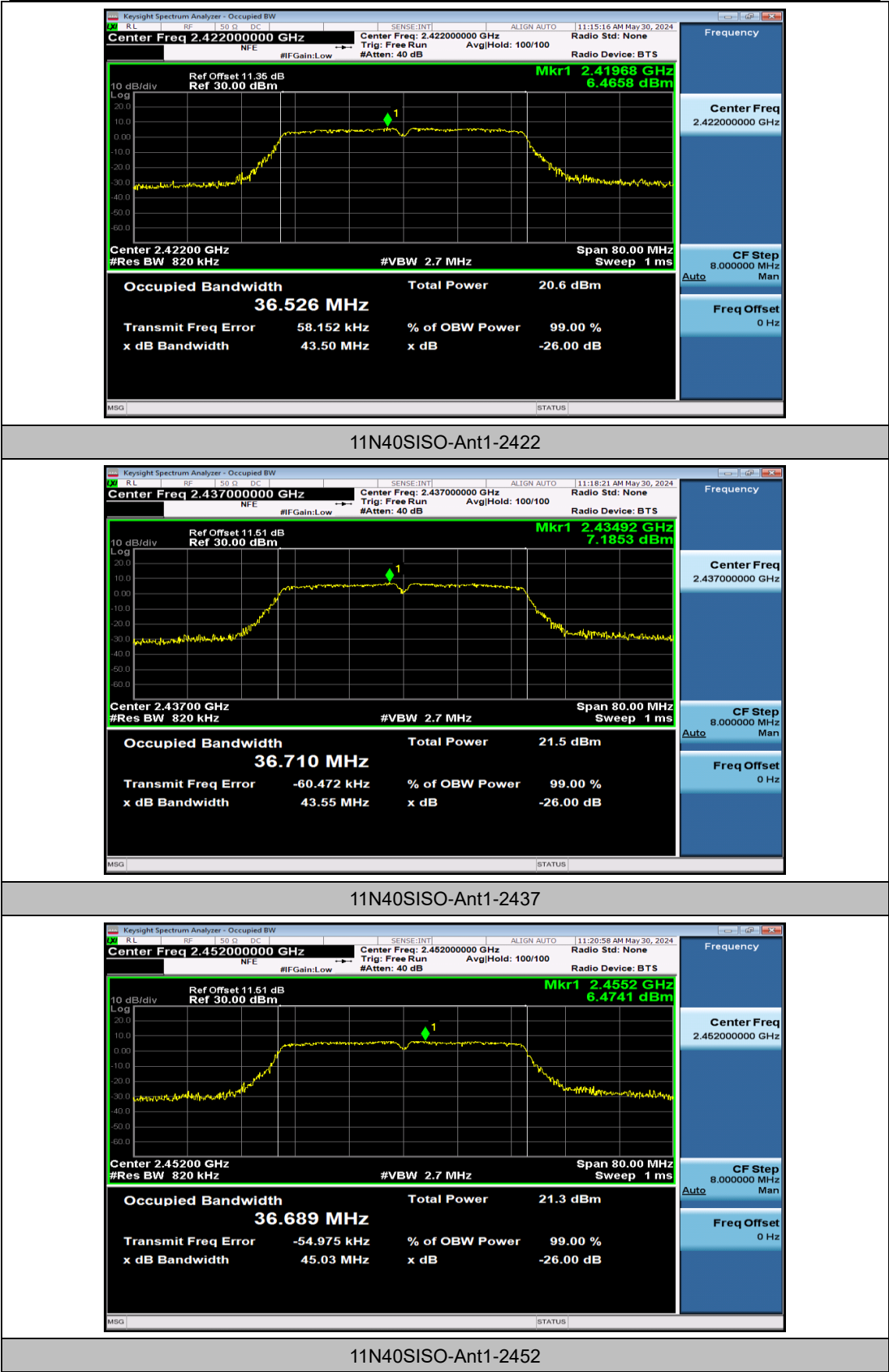
FCC ID: 2BEZH-CF1A



FCC ID: 2BEZH-CF1A



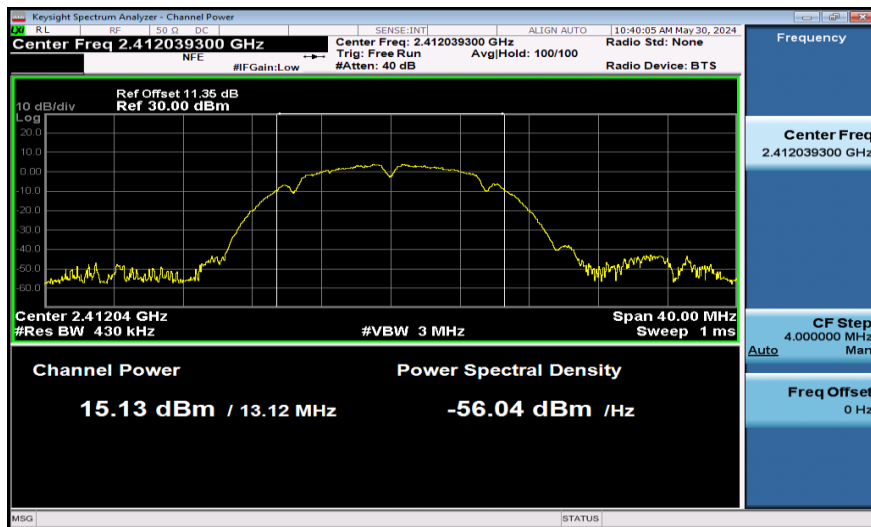
FCC ID: 2BEZH-CF1A



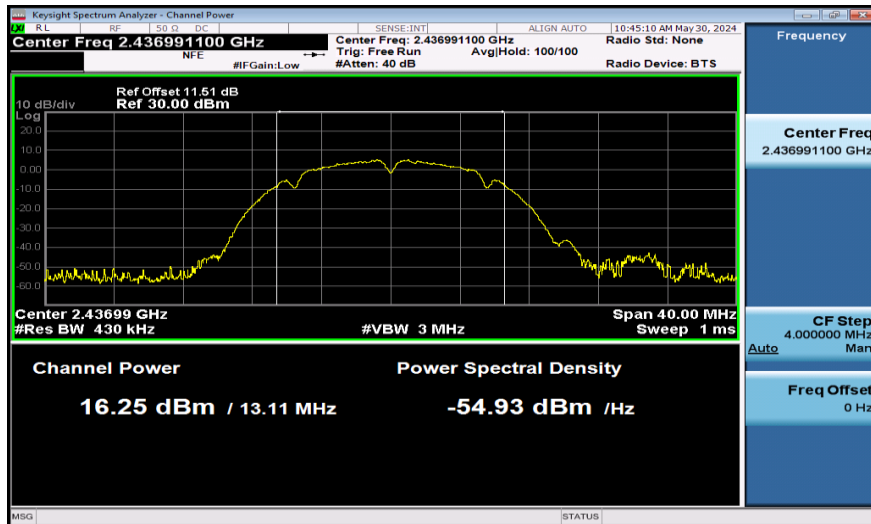
Appendix C: Maximum conducted output power

Test Result Peak

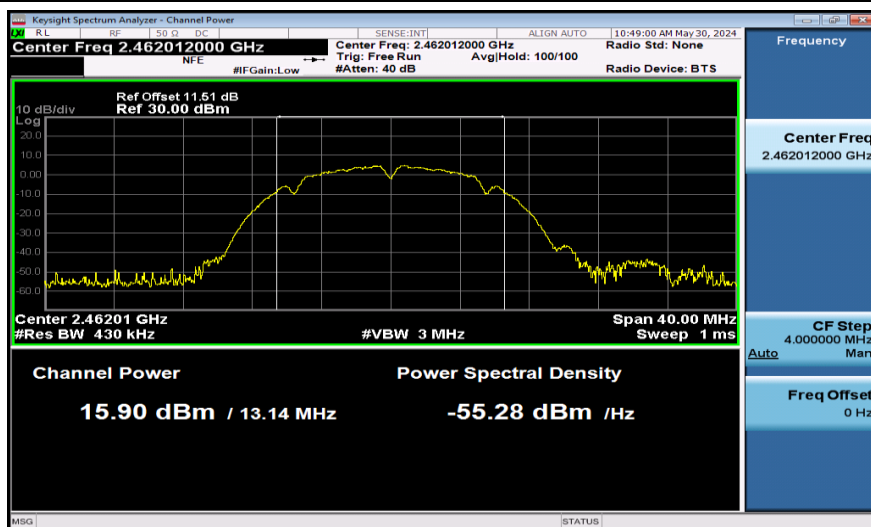
Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11B	Ant1	2412	15.13	≤30.00	3.96	19.46	≤36.00	PASS
11B	Ant1	2437	16.25	≤30.00	3.96	20.58	≤36.00	PASS
11B	Ant1	2462	15.90	≤30.00	3.96	20.27	≤36.00	PASS
11G	Ant1	2412	14.53	≤30.00	3.96	18.76	≤36.00	PASS
11G	Ant1	2437	15.73	≤30.00	3.96	19.96	≤36.00	PASS
11G	Ant1	2462	15.22	≤30.00	3.96	19.45	≤36.00	PASS
11N20SI SO	Ant1	2412	13.48	≤30.00	3.96	17.78	≤36.00	PASS
11N20SI SO	Ant1	2437	14.81	≤30.00	3.96	19.05	≤36.00	PASS
11N20SI SO	Ant1	2462	14.44	≤30.00	3.96	18.74	≤36.00	PASS
11N40SI SO	Ant1	2422	13.45	≤30.00	3.96	17.69	≤36.00	PASS
11N40SI SO	Ant1	2437	14.37	≤30.00	3.96	18.60	≤36.00	PASS
11N40SI SO	Ant1	2452	14.28	≤30.00	3.96	18.58	≤36.00	PASS

Test Graphs Peak

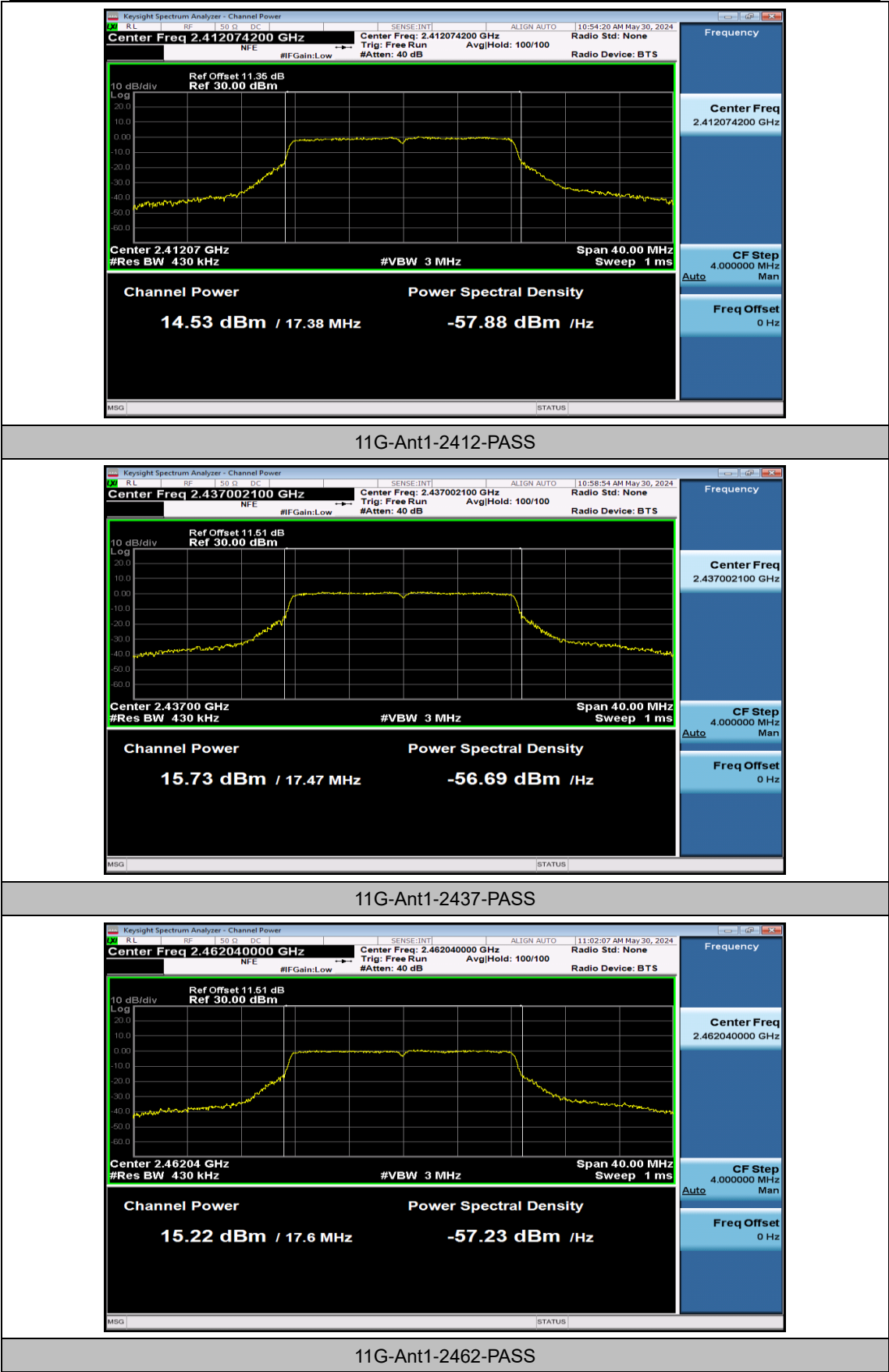
11B-Ant1-2412-PASS

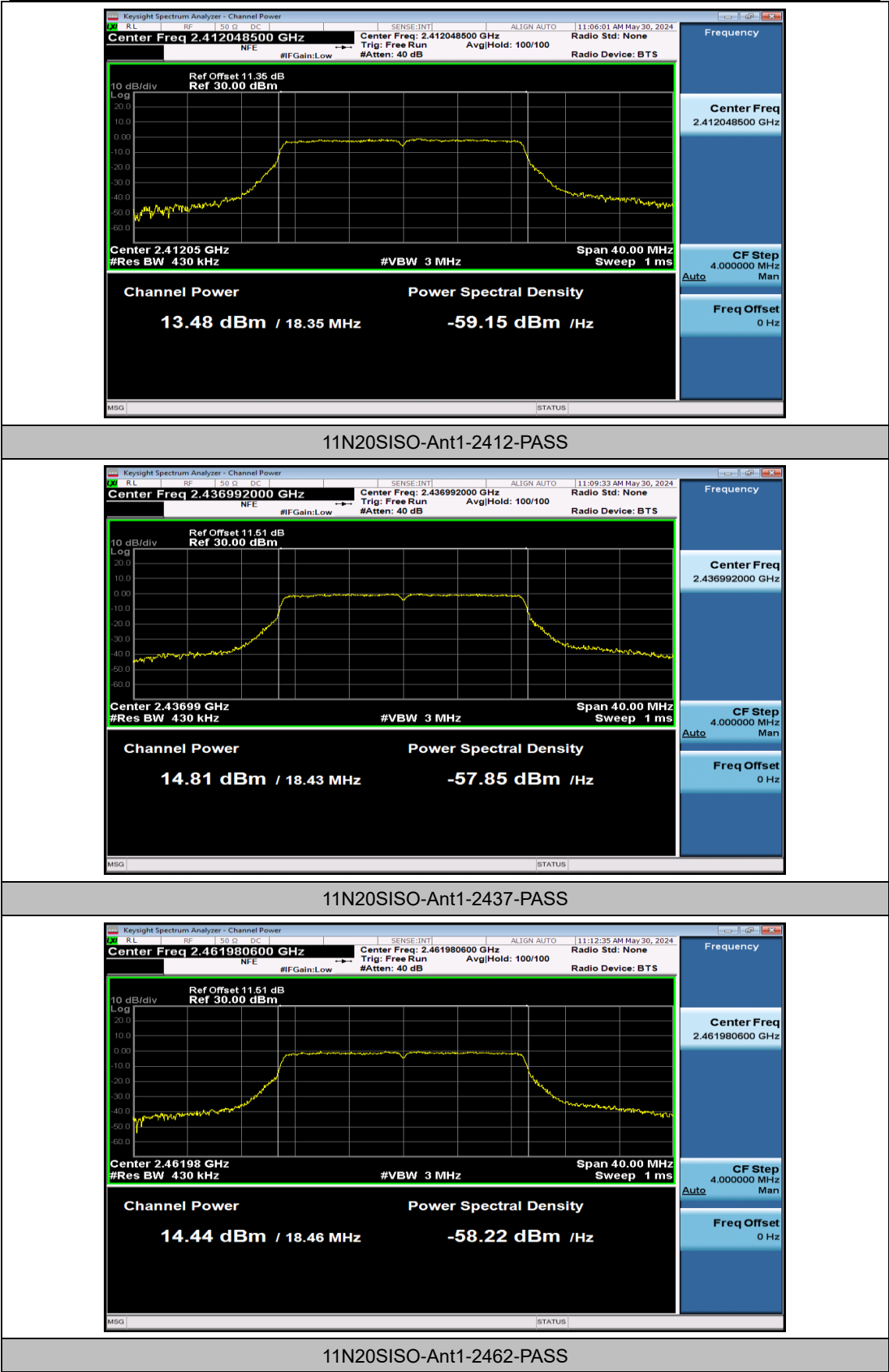


11B-Ant1-2437-PASS



11B-Ant1-2462-PASS





11N20SISO-Ant1-2437-PASS

Keysight Spectrum Analyzer - Channel Power

RL

RF

50 Ω

DC

SENSE:INT

ALIGN: AUTO

11:12:35 AM May 30, 2024

Center Freq 2.461980600 GHz

Center Freq: 2.461980600 GHz

Trig: Free Run

Avg/Hold: 100/100

Radio Std: None

NFE

#IFGain:Low

#Atten: 40 dB

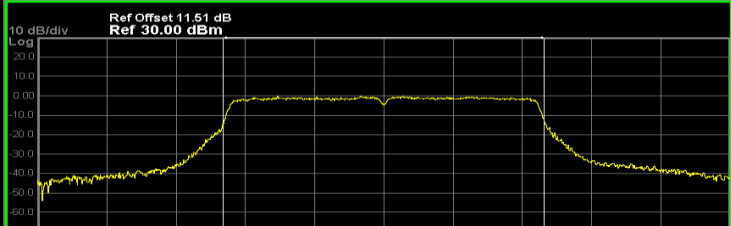
Radio Device: BTS

10 dB/div

Log

Ref Offset 11.51 dB

Ref 30.00 dBm



Center 2.46198 GHz

#Res BW 430 kHz

#VBW 3 MHz

Span 40.00 MHz

Sweep 1 ms

Channel Power

Power Spectral Density

14.44 dBm / 18.46 MHz

-58.22 dBm /Hz

MSG

STATUS

Frequency

Center Freq

2.461980600 GHz

CF Step

4.000000 MHz

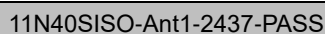
Man

Auto

Freq Offset

0 Hz

11N20SISO-Ant1-2462-PASS



Appendix D: Maximum power spectral density

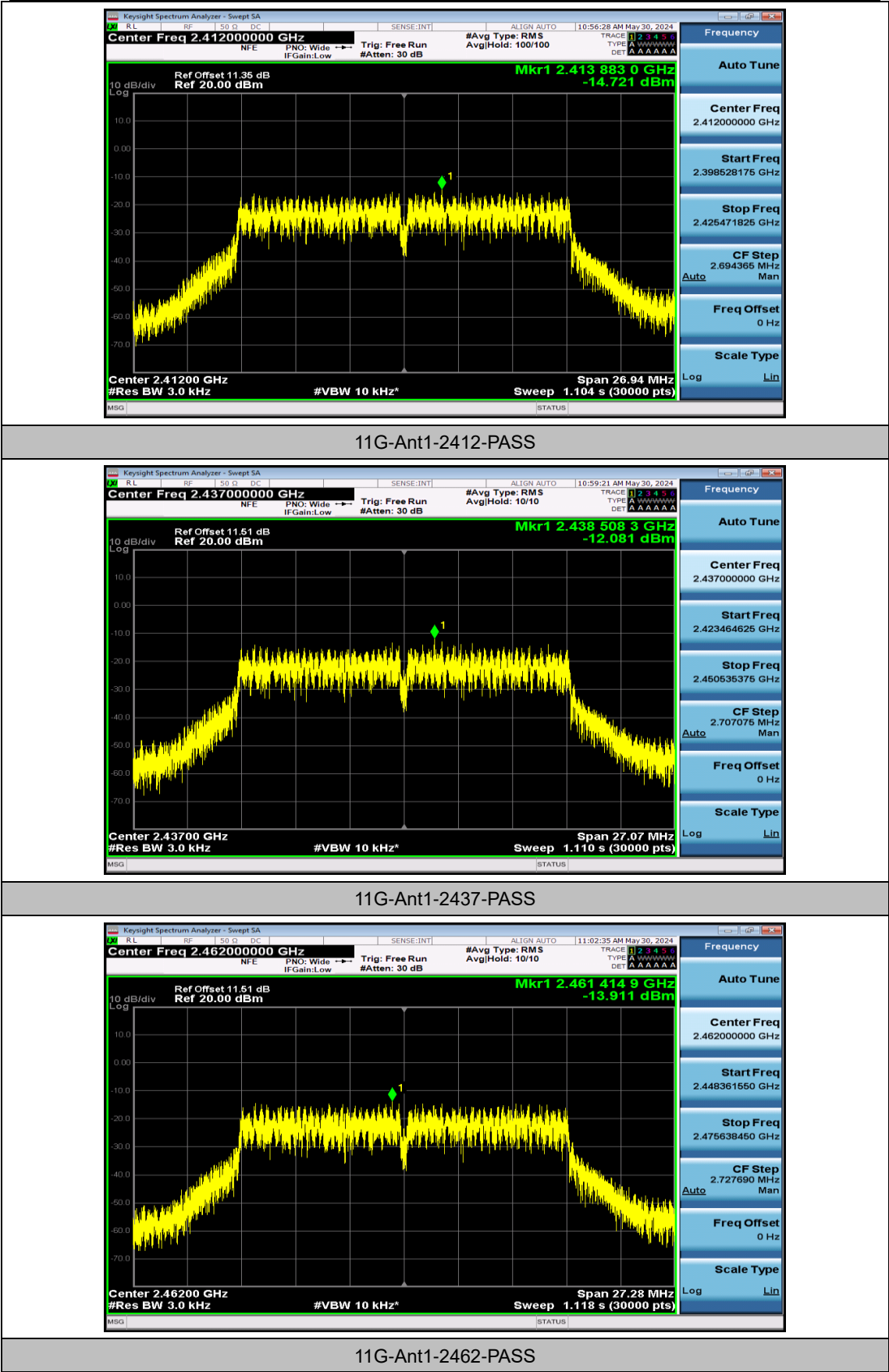
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-13.14	≤8.00	PASS
11B	Ant1	2437	-11.69	≤8.00	PASS
11B	Ant1	2462	-12.53	≤8.00	PASS
11G	Ant1	2412	-14.45	≤8.00	PASS
11G	Ant1	2437	-11.81	≤8.00	PASS
11G	Ant1	2462	-13.64	≤8.00	PASS
11N20SISO	Ant1	2412	-14.35	≤8.00	PASS
11N20SISO	Ant1	2437	-13.57	≤8.00	PASS
11N20SISO	Ant1	2462	-13.21	≤8.00	PASS
11N40SISO	Ant1	2422	-16.60	≤8.00	PASS
11N40SISO	Ant1	2437	-16.66	≤8.00	PASS
11N40SISO	Ant1	2452	-17.40	≤8.00	PASS

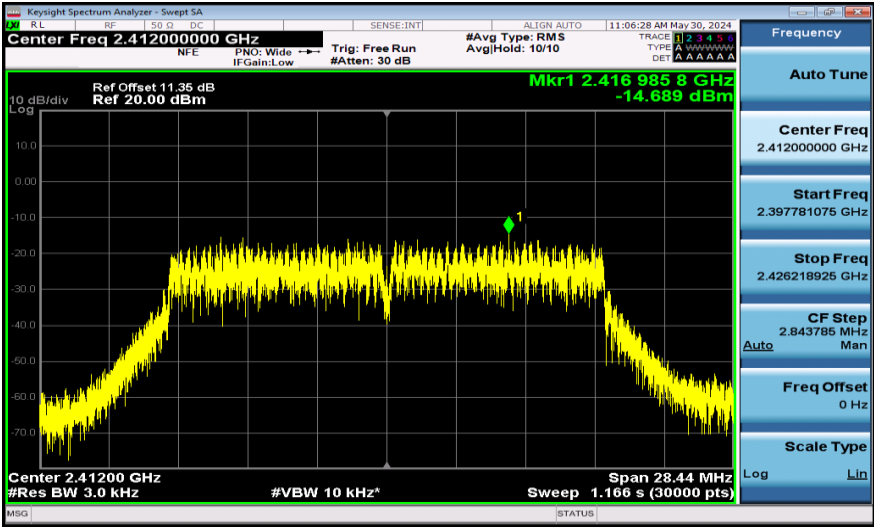
Test Graphs



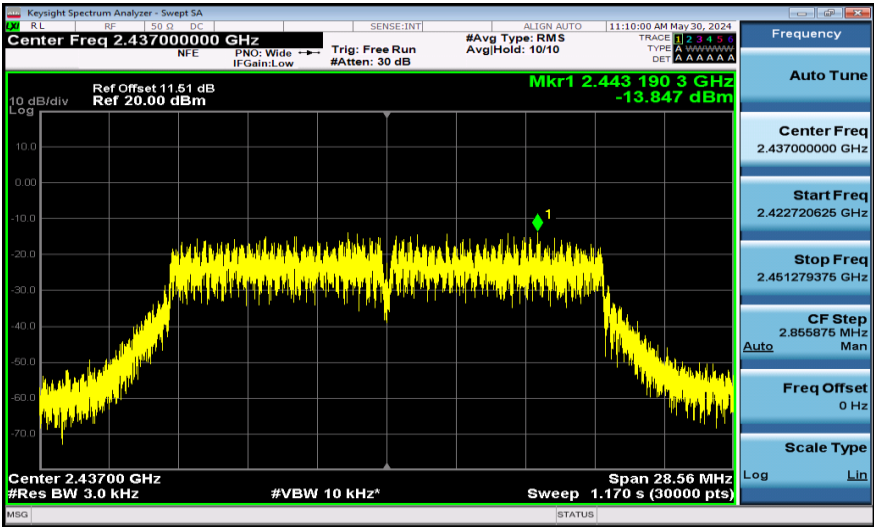
FCC ID: 2BEZH-CF1A



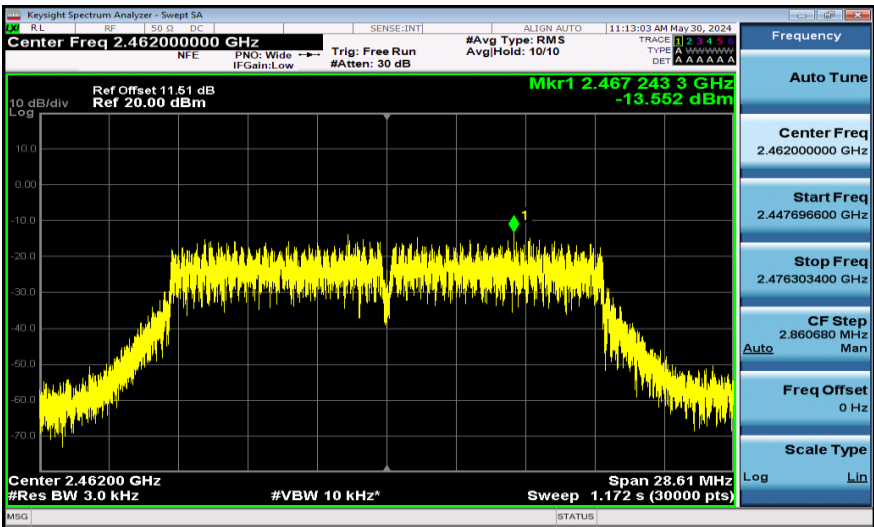
FCC ID: 2BEZH-CF1A



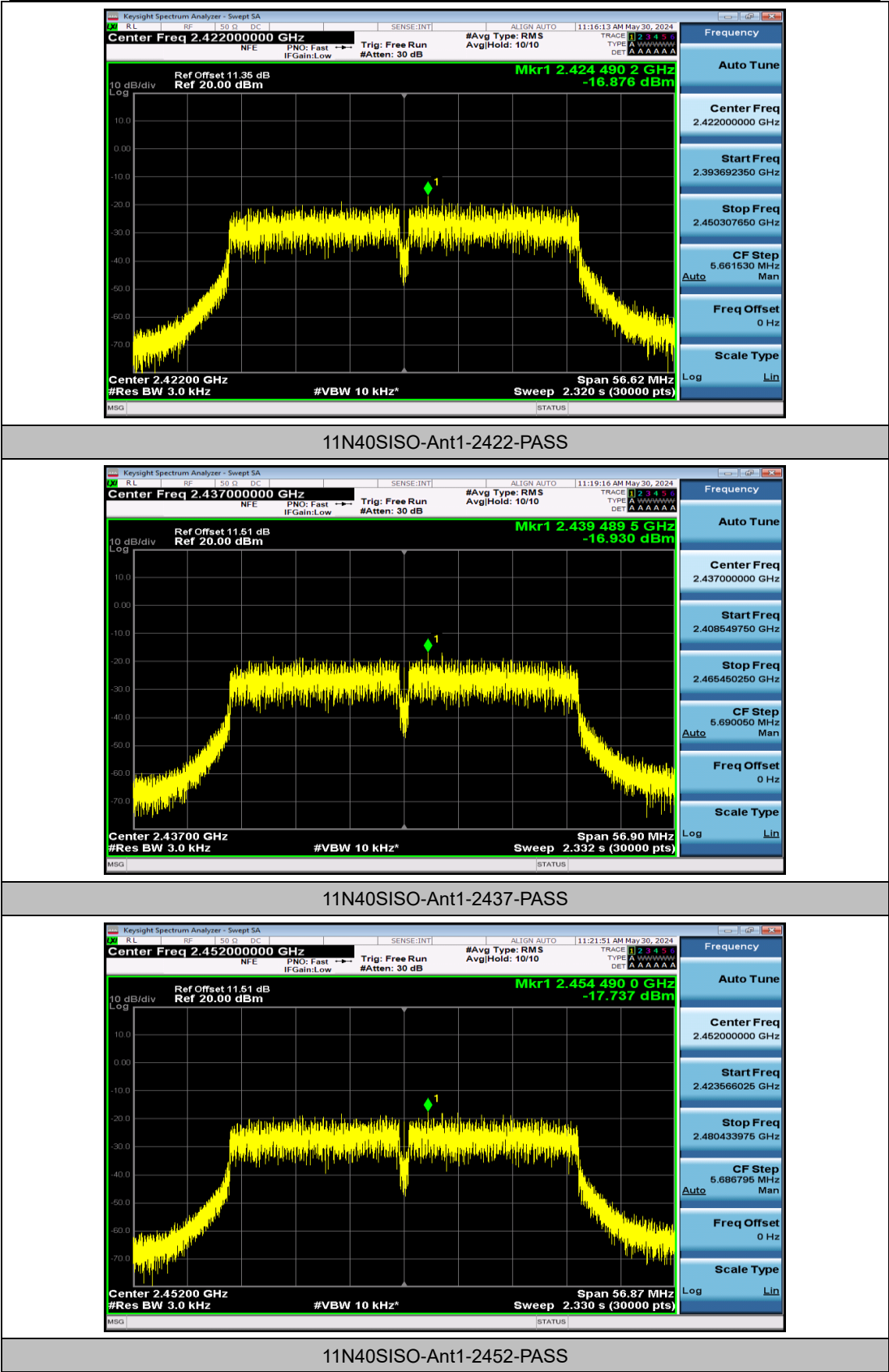
11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



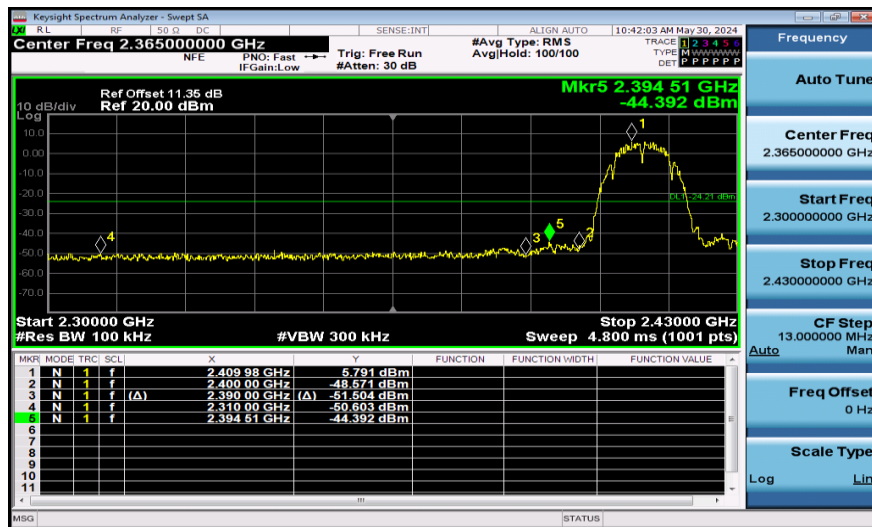
11N20SISO-Ant1-2462-PASS



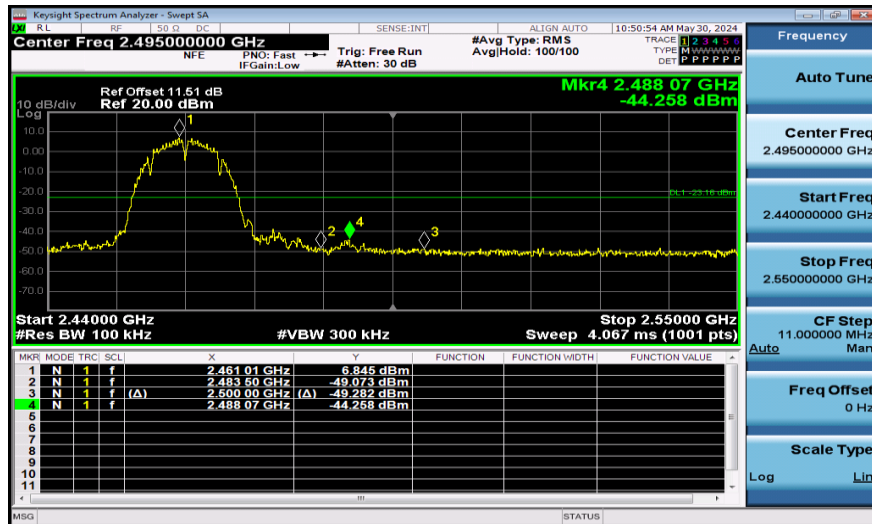
Appendix E: Band edge measurements

Test Result

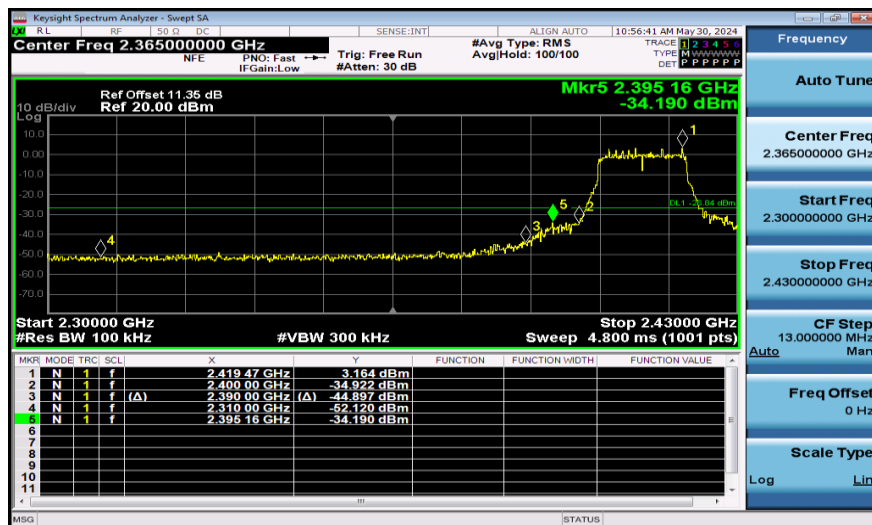
TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.79	-44.39	≤-24.21	PASS
11B	Ant1	High	2462	6.85	-44.26	≤-23.16	PASS
11G	Ant1	Low	2412	3.16	-34.19	≤-26.84	PASS
11G	Ant1	High	2462	4.02	-39.72	≤-25.98	PASS
11N20SISO	Ant1	Low	2412	2.40	-35.73	≤-27.6	PASS
11N20SISO	Ant1	High	2462	3.28	-39.67	≤-26.72	PASS
11N40SISO	Ant1	Low	2422	-0.32	-35.19	≤-30.32	PASS
11N40SISO	Ant1	High	2452	0.15	-36.56	≤-29.85	PASS

Test Graphs

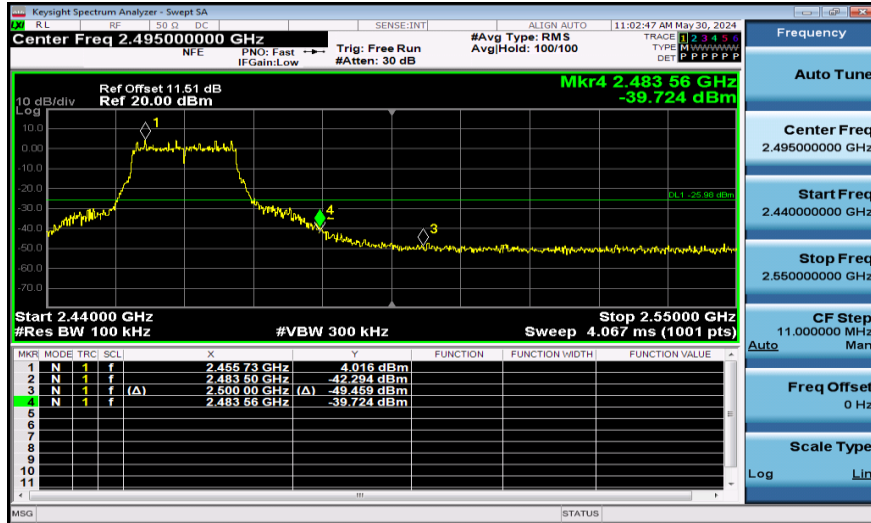
11B-Ant1-2412-PASS



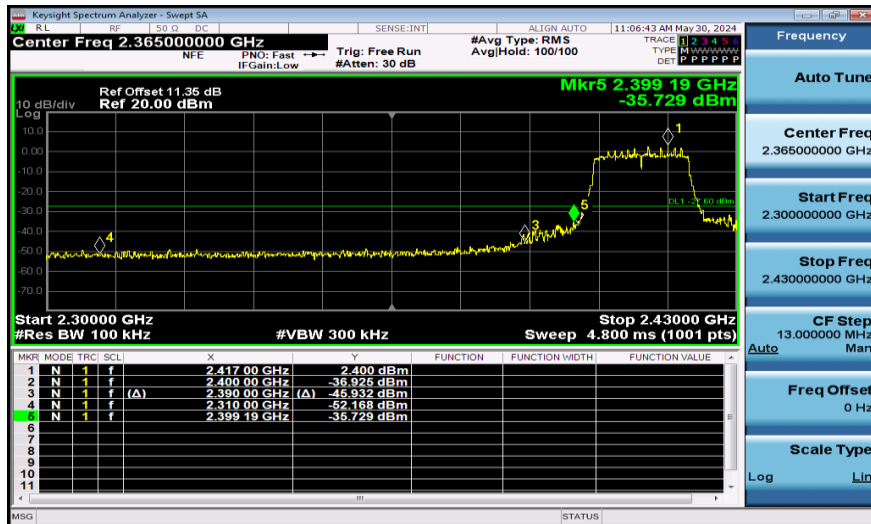
11B-Ant1-2462-PASS



11G-Ant1-2412-PASS



11G-Ant1-2462-PASS

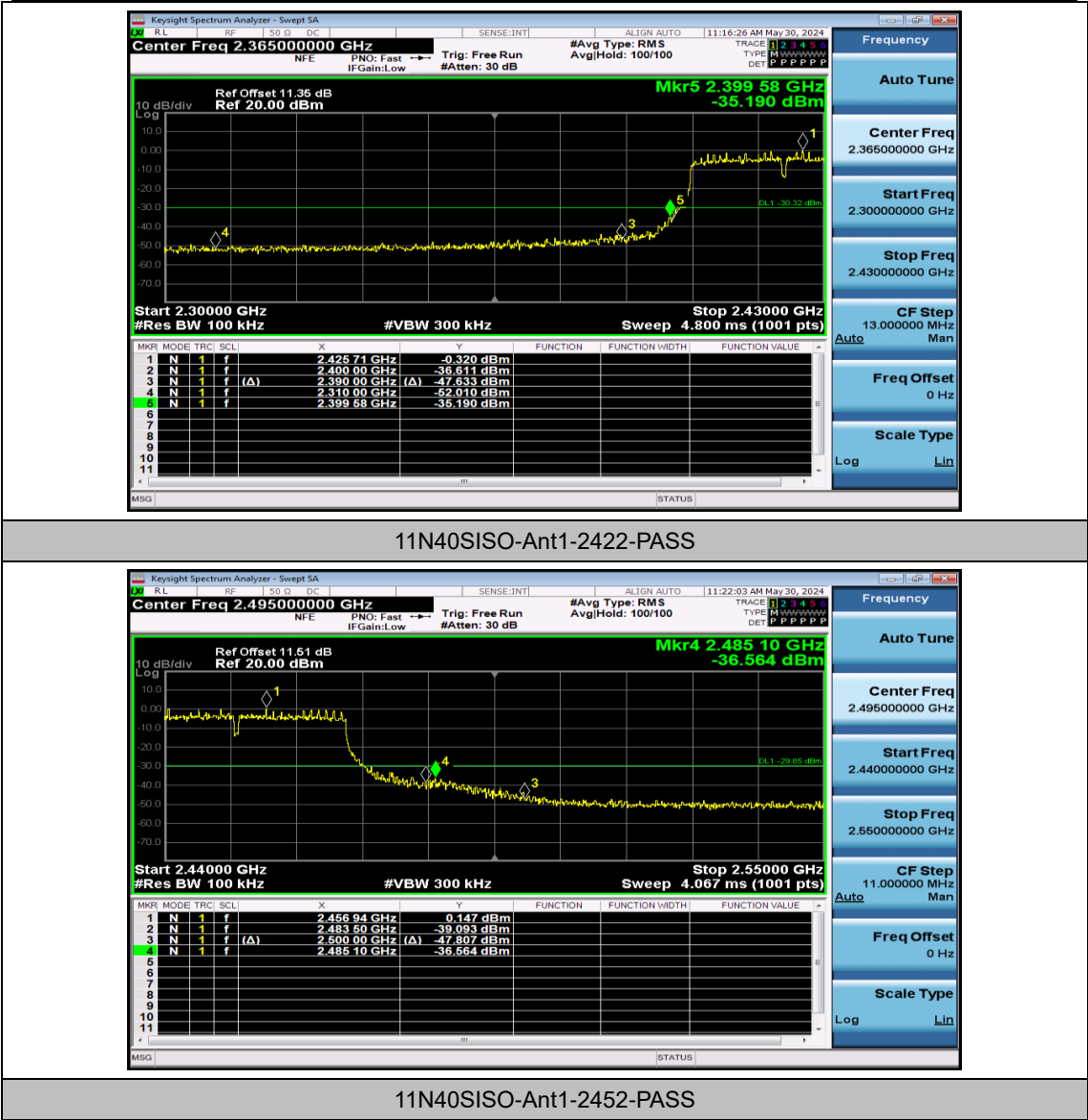


11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2462-PASS

FCC ID: 2BEZH-CF1A

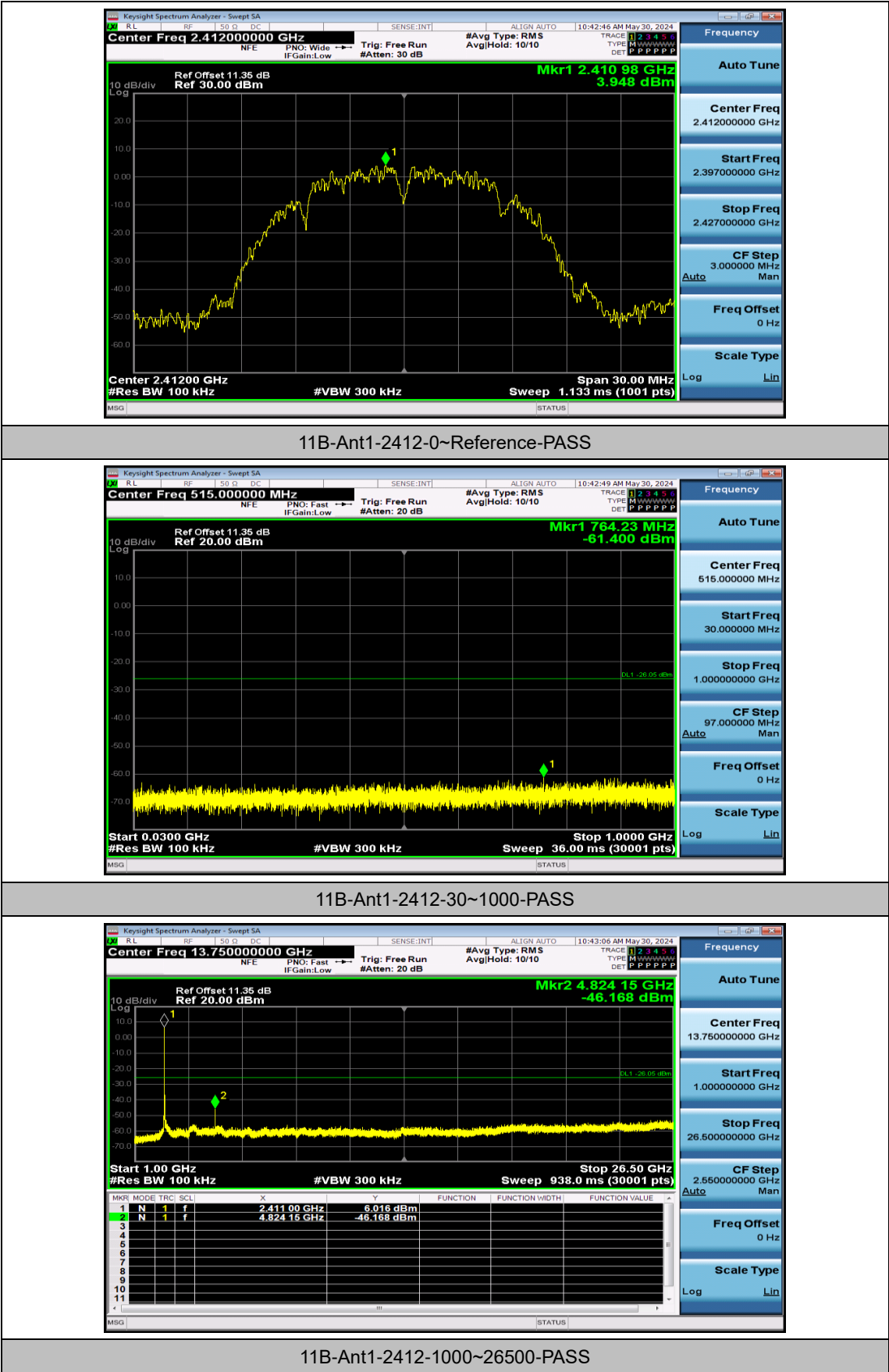


Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	3.95	3.95	---	PASS
11B	Ant1	2412	30~1000	3.95	-61.4	≤-26.05	PASS
11B	Ant1	2412	1000~26500	3.95	-46.17	≤-26.05	PASS
11B	Ant1	2437	0~Reference	6.73	6.73	---	PASS
11B	Ant1	2437	30~1000	6.73	-61.4	≤-23.27	PASS
11B	Ant1	2437	1000~26500	6.73	-44.26	≤-23.27	PASS
11B	Ant1	2462	0~Reference	7.06	7.06	---	PASS
11B	Ant1	2462	30~1000	7.06	-60.64	≤-22.94	PASS
11B	Ant1	2462	1000~26500	7.06	-45.49	≤-22.94	PASS
11G	Ant1	2412	0~Reference	3.18	3.18	---	PASS
11G	Ant1	2412	30~1000	3.18	-60.46	≤-26.82	PASS
11G	Ant1	2412	1000~26500	3.18	-52.99	≤-26.82	PASS
11G	Ant1	2437	0~Reference	4.59	4.59	---	PASS
11G	Ant1	2437	30~1000	4.59	-61.77	≤-25.41	PASS
11G	Ant1	2437	1000~26500	4.59	-52.11	≤-25.41	PASS
11G	Ant1	2462	0~Reference	3.52	3.52	---	PASS
11G	Ant1	2462	30~1000	3.52	-61.6	≤-26.48	PASS
11G	Ant1	2462	1000~26500	3.52	-52.65	≤-26.48	PASS
11N20SISO	Ant1	2412	0~Reference	1.79	1.79	---	PASS
11N20SISO	Ant1	2412	30~1000	1.79	-61.01	≤-28.21	PASS
11N20SISO	Ant1	2412	1000~26500	1.79	-52.92	≤-28.21	PASS
11N20SISO	Ant1	2437	0~Reference	2.82	2.82	---	PASS
11N20SISO	Ant1	2437	30~1000	2.82	-60.74	≤-27.18	PASS
11N20SISO	Ant1	2437	1000~26500	2.82	-51.9	≤-27.18	PASS
11N20SISO	Ant1	2462	0~Reference	2.96	2.96	---	PASS
11N20SISO	Ant1	2462	30~1000	2.96	-61.05	≤-27.04	PASS
11N20SISO	Ant1	2462	1000~26500	2.96	-53.06	≤-27.04	PASS
11N40SISO	Ant1	2422	0~Reference	-0.22	-0.22	---	PASS
11N40SISO	Ant1	2422	30~1000	-0.22	-52.86	≤-30.22	PASS
11N40SISO	Ant1	2422	1000~26500	-0.22	-53.24	≤-30.22	PASS
11N40SISO	Ant1	2437	0~Reference	-1.66	-1.66	---	PASS
11N40SISO	Ant1	2437	30~1000	-1.66	-51.67	≤-31.66	PASS
11N40SISO	Ant1	2437	1000~26500	-1.66	-52.77	≤-31.66	PASS
11N40SISO	Ant1	2452	0~Reference	-3.36	-3.36	---	PASS
11N40SISO	Ant1	2452	30~1000	-3.36	-55.23	≤-33.36	PASS
11N40SISO	Ant1	2452	1000~26500	-3.36	-52.54	≤-33.36	PASS

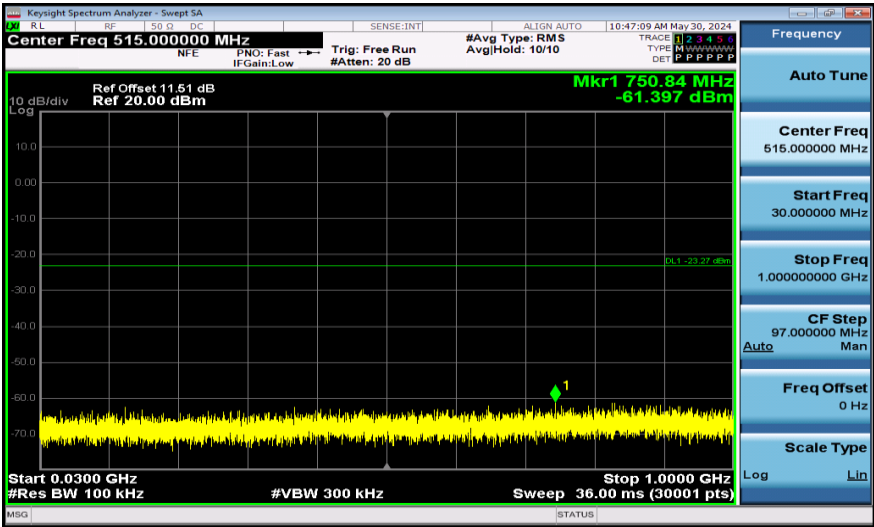
Test Graphs



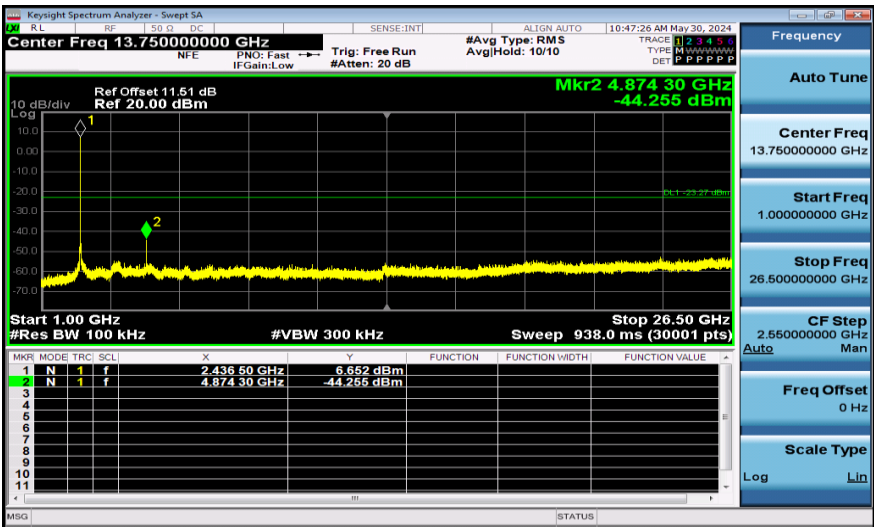
FCC ID: 2BEZH-CF1A



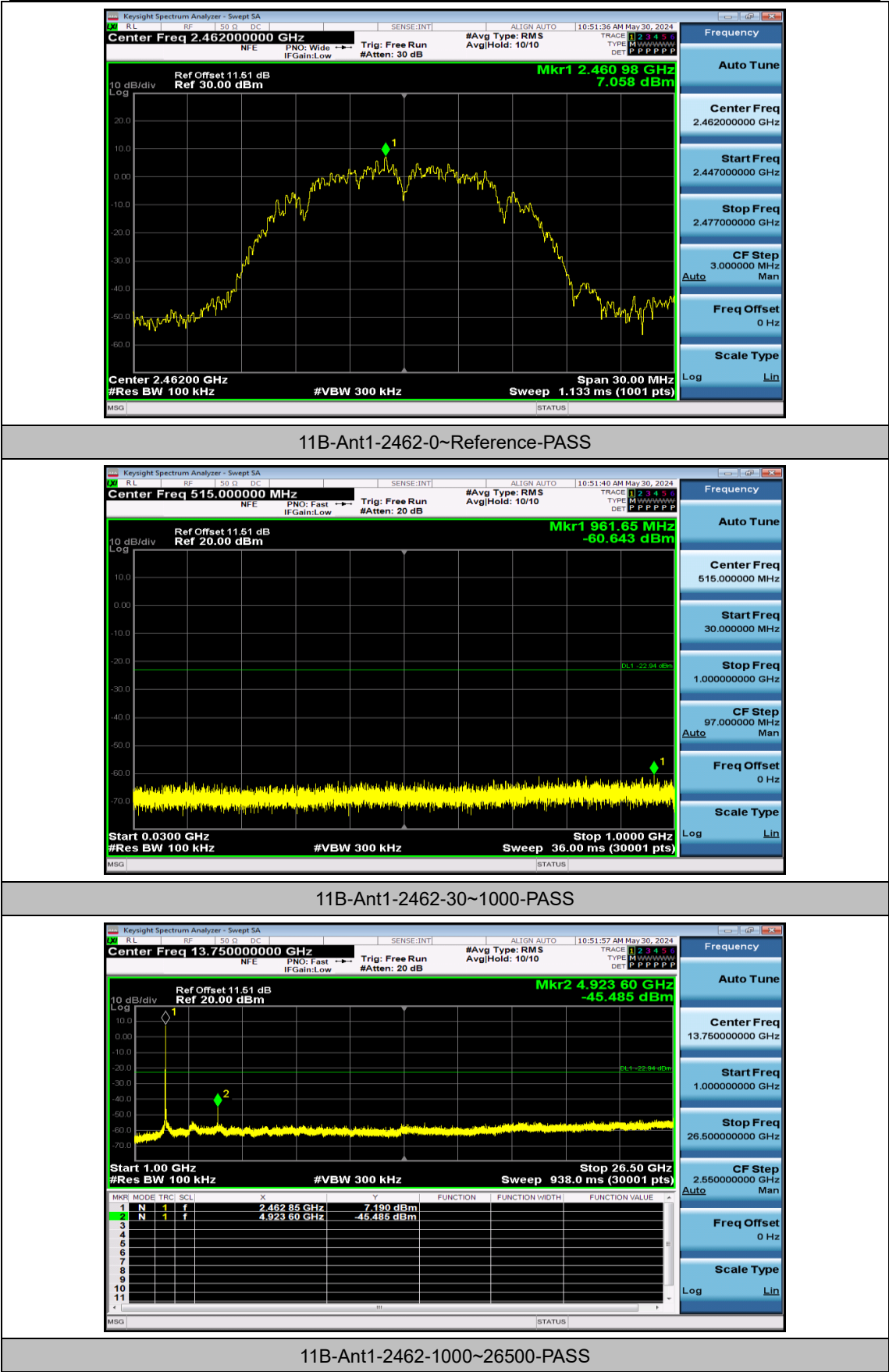
11B-Ant1-2437-0~Reference-PASS



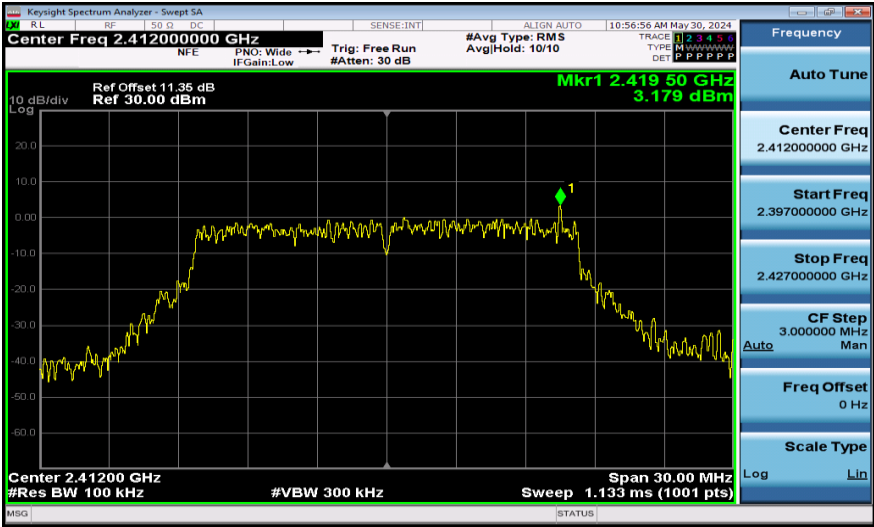
11B-Ant1-2437-30~1000-PASS



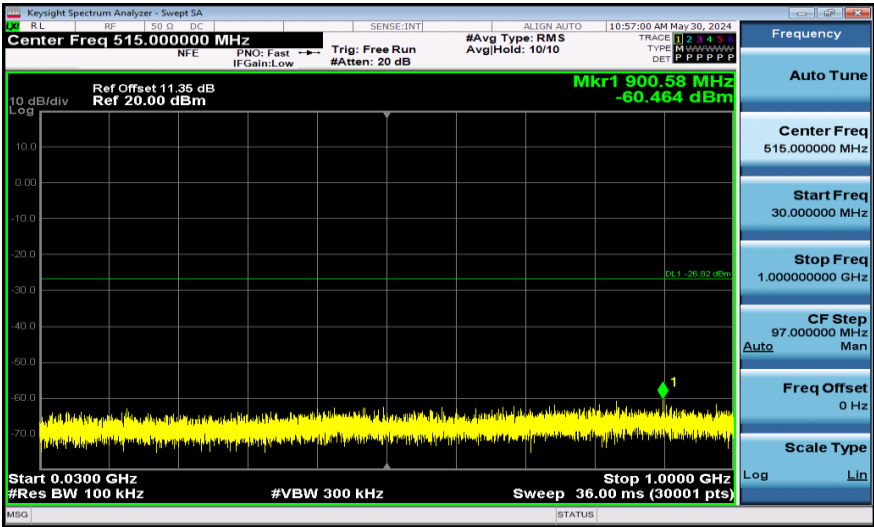
11B-Ant1-2437-1000~26500-PASS



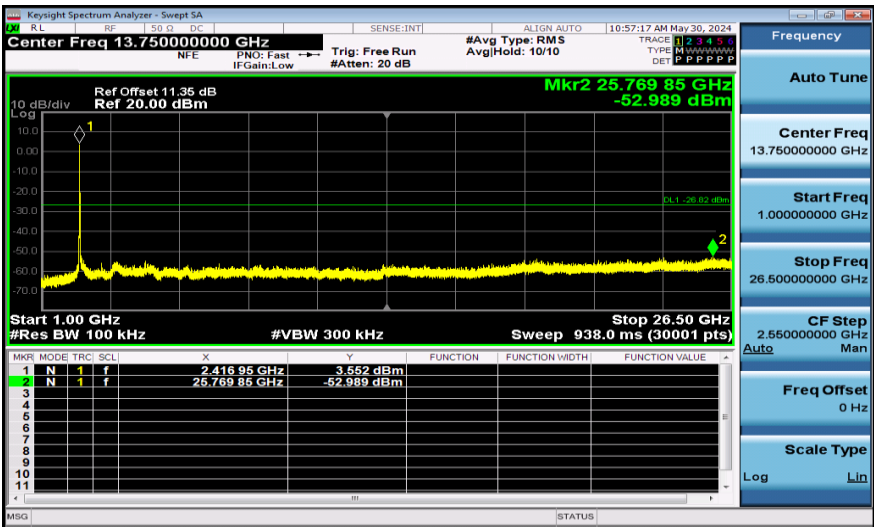
FCC ID: 2BEZH-CF1A



11G-Ant1-2412-0~Reference-PASS



11G-Ant1-2412-30~1000-PASS



11G-Ant1-2412-1000~26500-PASS

FCC ID: 2BEZH-CF1A

