

Power level setting using in test:

Band	Channel	Power Setting (Delta gain)	Band	Channel	Power Setting (Delta gain)
802.11b	1	Attenuation*0	802.11g	1	Attenuation*10
	6	Attenuation*0		6	Attenuation*10
	11	Attenuation*0		11	Attenuation*10
Band	Channel	Power Setting (Delta gain)	Band	Channel	Power Setting (Delta gain)
802.11n20	1	Attenuation*10	802.11n40	3	Attenuation*10
	6	Attenuation*10		6	Attenuation*10
	11	Attenuation*10		9	Attenuation*10

DTS Bandwidth

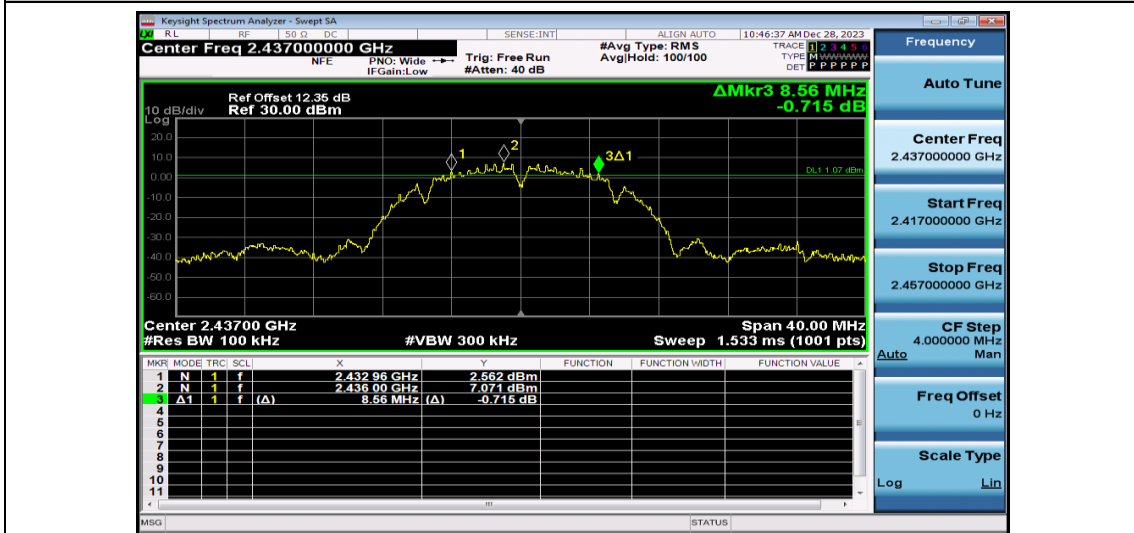
Test Result

Test Mode	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	8.560	2432.960	2441.520	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	17.800	2403.080	2420.880	0.5	PASS
11N20SISO	Ant1	2437	17.600	2428.200	2445.800	0.5	PASS
11N20SISO	Ant1	2462	17.760	2453.120	2470.880	0.5	PASS
11N40SISO	Ant1	2422	32.560	2405.760	2438.320	0.5	PASS
11N40SISO	Ant1	2437	31.600	2420.680	2452.280	0.5	PASS
11N40SISO	Ant1	2452	32.480	2435.760	2468.240	0.5	PASS

Test Graphs



11B-Ant1-2412-PASS



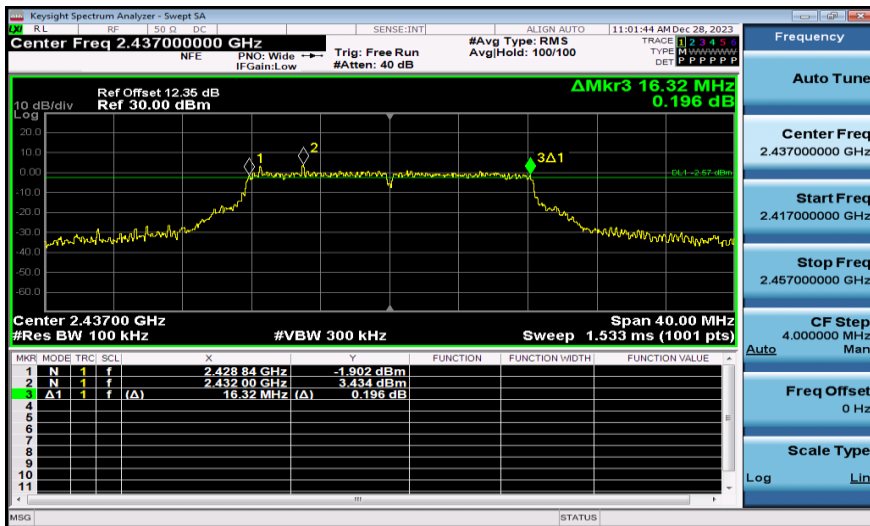
11B-Ant1-2437-PASS



11B-Ant1-2462-PASS



11G-Ant1-2412-PASS



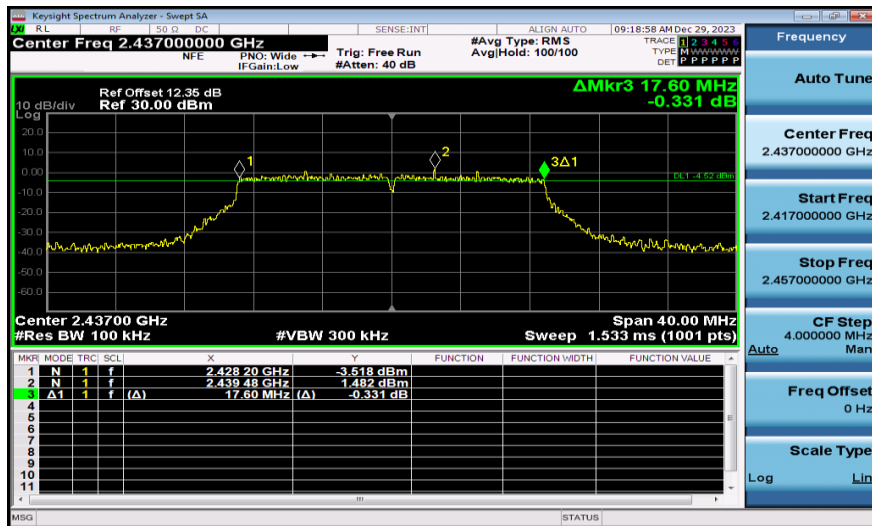
11G-Ant1-2437-PASS



11G-Ant1-2462-PASS



11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2437-PASS



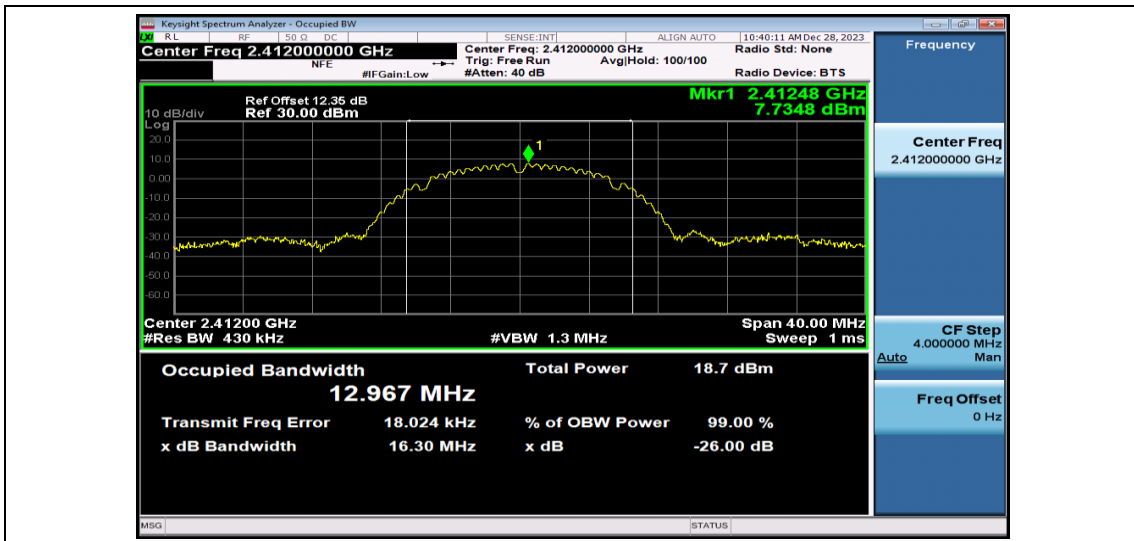
11N40SISO-Ant1-2452-PASS

Occupied Channel Bandwidth

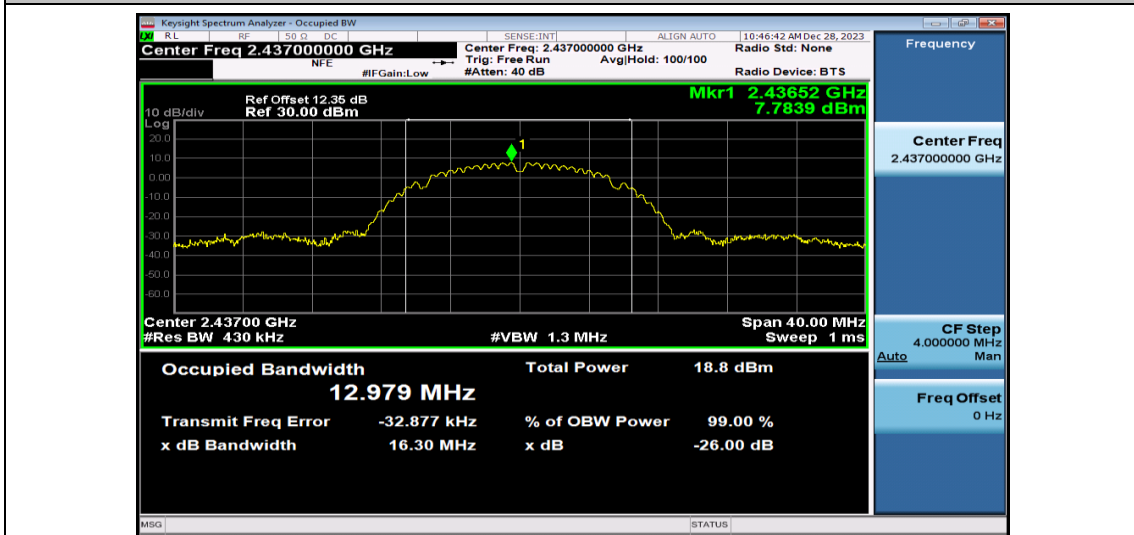
Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.967	2405.5345	2418.5015	---	---
11B	Ant1	2437	12.979	2430.4776	2443.4566	---	---
11B	Ant1	2462	12.935	2455.5375	2468.4725	---	---
11G	Ant1	2412	17.667	2403.2091	2420.8761	---	---
11G	Ant1	2437	17.687	2428.1930	2445.8800	---	---
11G	Ant1	2462	17.807	2453.1280	2470.9350	---	---
11N20SISO	Ant1	2412	18.500	2402.7821	2421.2821	---	---
11N20SISO	Ant1	2437	18.502	2427.6692	2446.1712	---	---
11N20SISO	Ant1	2462	18.630	2452.7083	2471.3383	---	---
11N40SISO	Ant1	2422	34.861	2404.4862	2439.3472	---	---
11N40SISO	Ant1	2437	34.960	2419.4467	2454.4067	---	---
11N40SISO	Ant1	2452	35.060	2434.3992	2469.4592	---	---

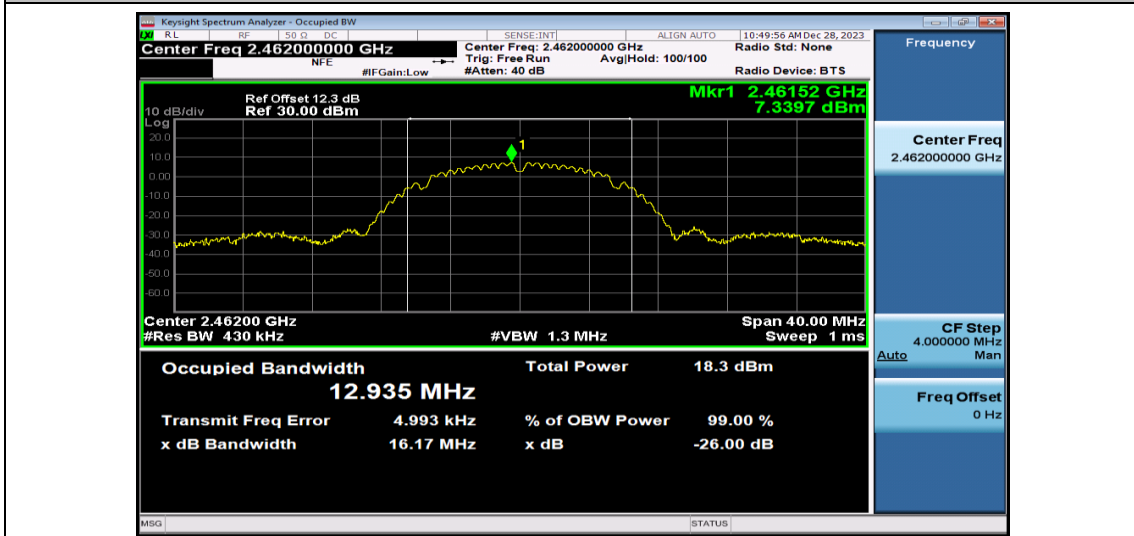
Test Graphs



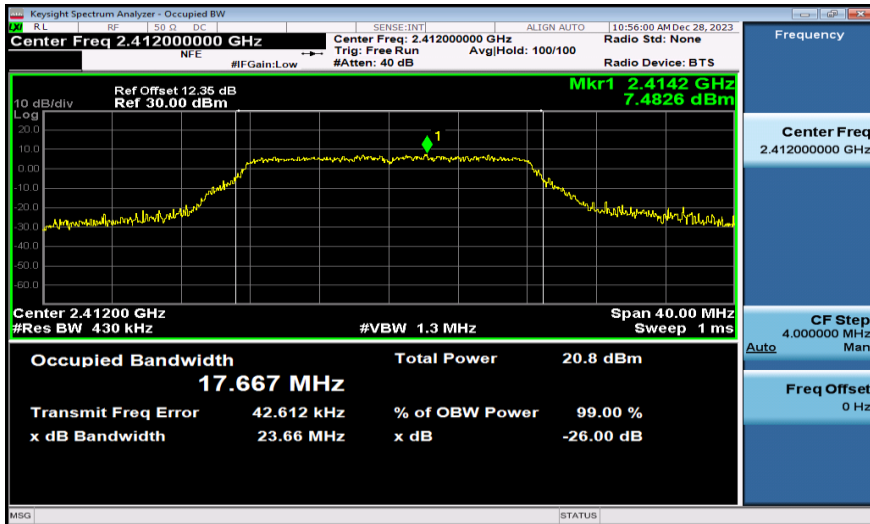
11B-Ant1-2412



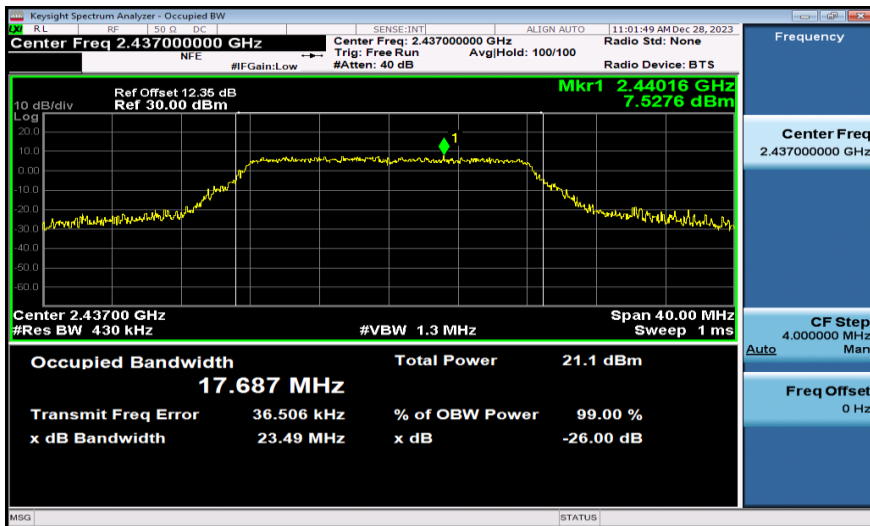
11B-Ant1-2437



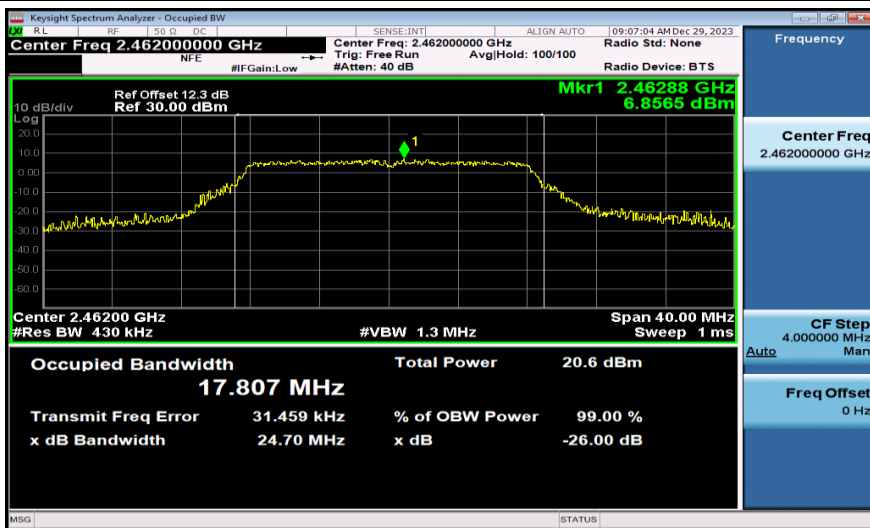
11B-Ant1-2462



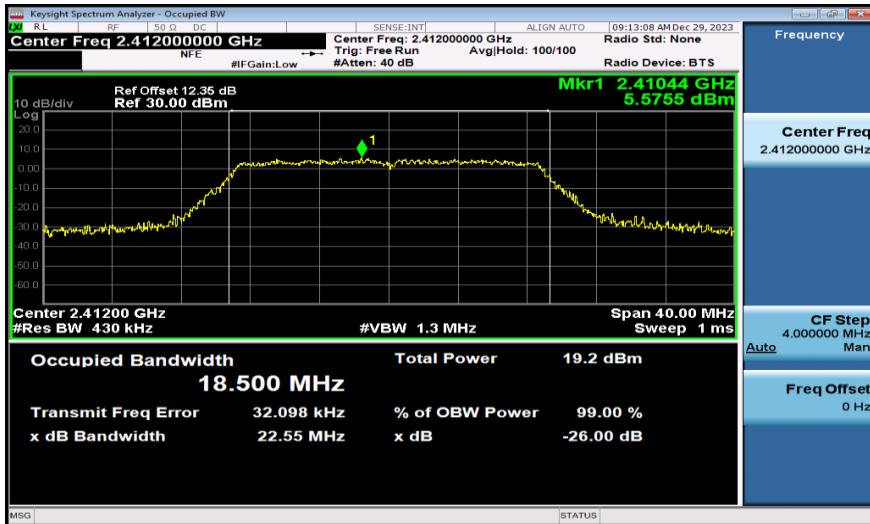
11G-Ant1-2412



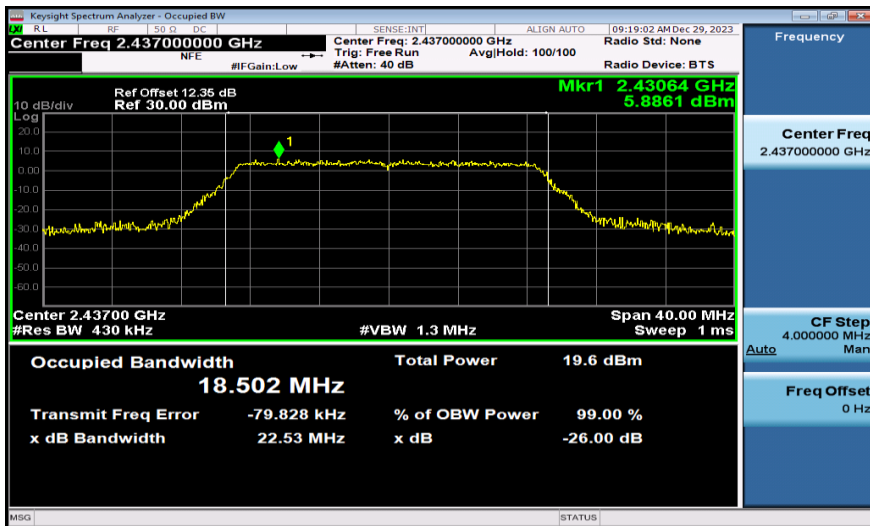
11G-Ant1-2437



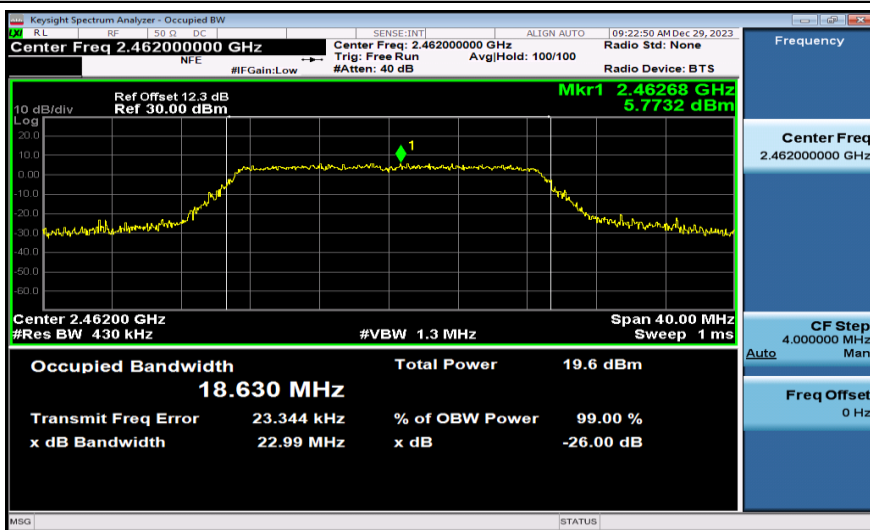
11G-Ant1-2462



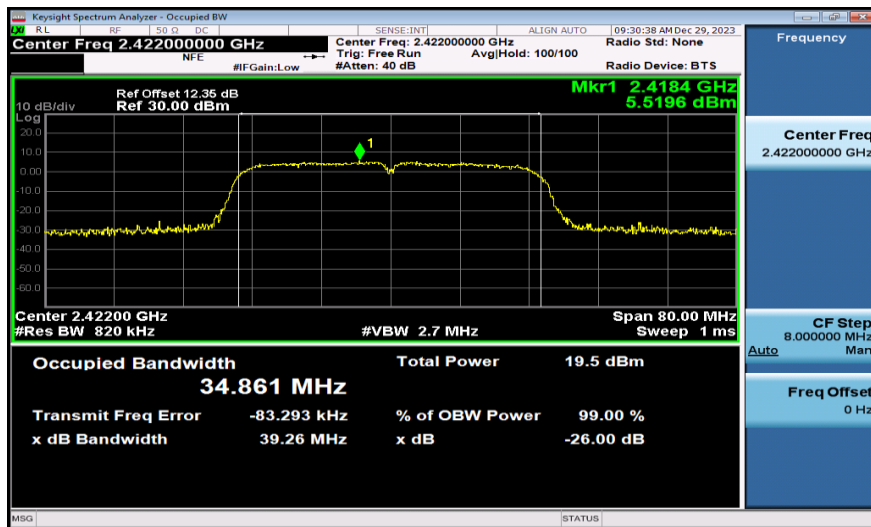
11N20SISO-Ant1-2412



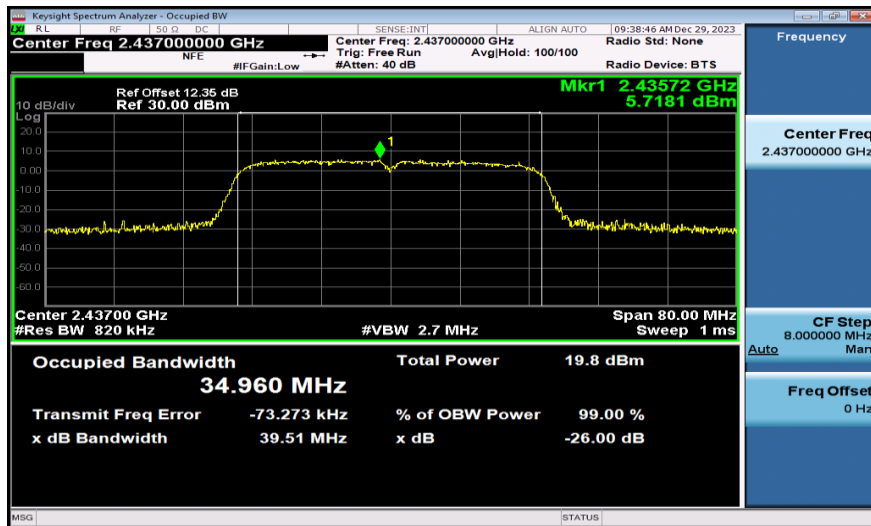
11N20SISO-Ant1-2437



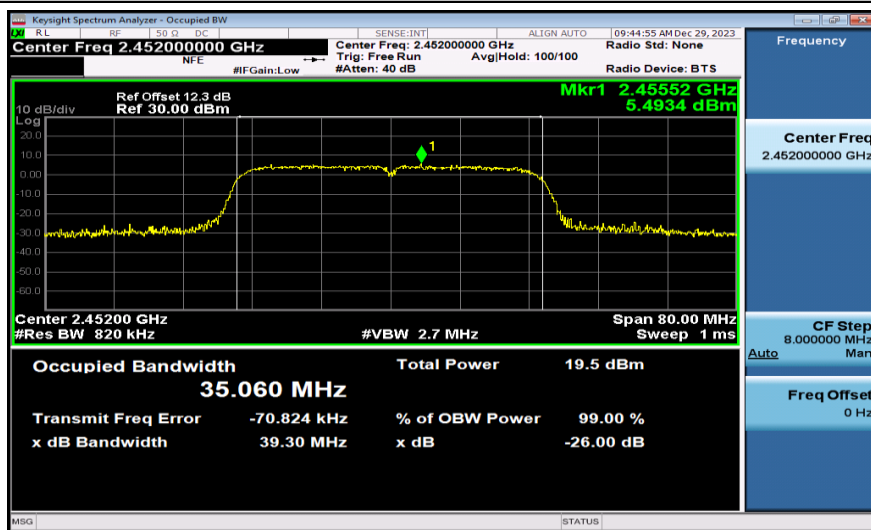
11N20SISO-Ant1-2462



11N40SISO-Ant1-2422



11N40SISO-Ant1-2437



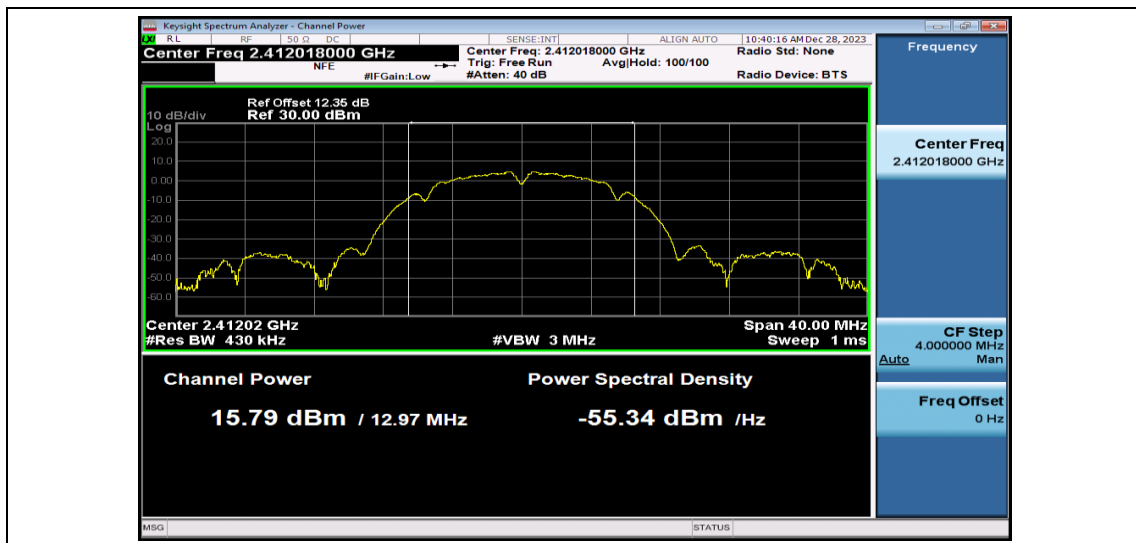
11N40SISO-Ant1-2452

Appendix C: Maximum conducted output power

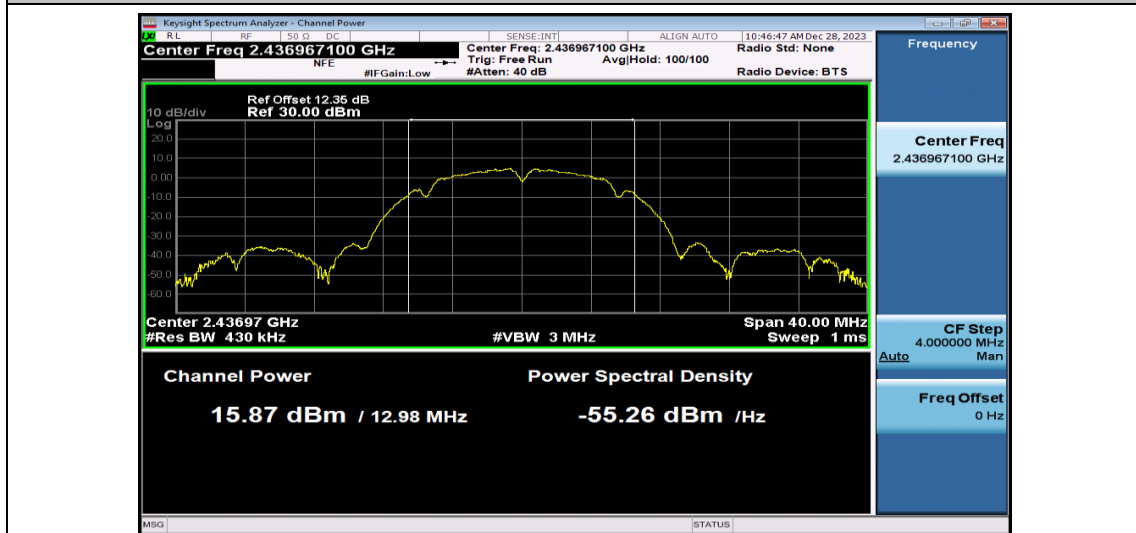
Test Result Average

Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11B	Ant1	2412	15.79	0.00	15.79	≤30.00	3.37	19.16	≤36.00	PASS
11B	Ant1	2437	15.87	0.00	15.87	≤30.00	3.37	19.24	≤36.00	PASS
11B	Ant1	2462	15.34	0.00	15.34	≤30.00	3.37	18.71	≤36.00	PASS
11G	Ant1	2412	14.70	0.02	14.72	≤30.00	3.37	18.09	≤36.00	PASS
11G	Ant1	2437	15.02	0.02	15.04	≤30.00	3.37	18.41	≤36.00	PASS
11G	Ant1	2462	14.48	0.02	14.50	≤30.00	3.37	17.87	≤36.00	PASS
11N20SISO	Ant1	2412	13.10	0.03	13.13	≤30.00	3.37	16.50	≤36.00	PASS
11N20SISO	Ant1	2437	13.46	0.03	13.49	≤30.00	3.37	16.86	≤36.00	PASS
11N20SISO	Ant1	2462	13.57	0.02	13.59	≤30.00	3.37	16.96	≤36.00	PASS
11N40SISO	Ant1	2422	12.56	0.05	12.61	≤30.00	3.37	15.98	≤36.00	PASS
11N40SISO	Ant1	2437	12.80	0.05	12.85	≤30.00	3.37	16.22	≤36.00	PASS
11N40SISO	Ant1	2452	12.48	0.05	12.53	≤30.00	3.37	15.90	≤36.00	PASS

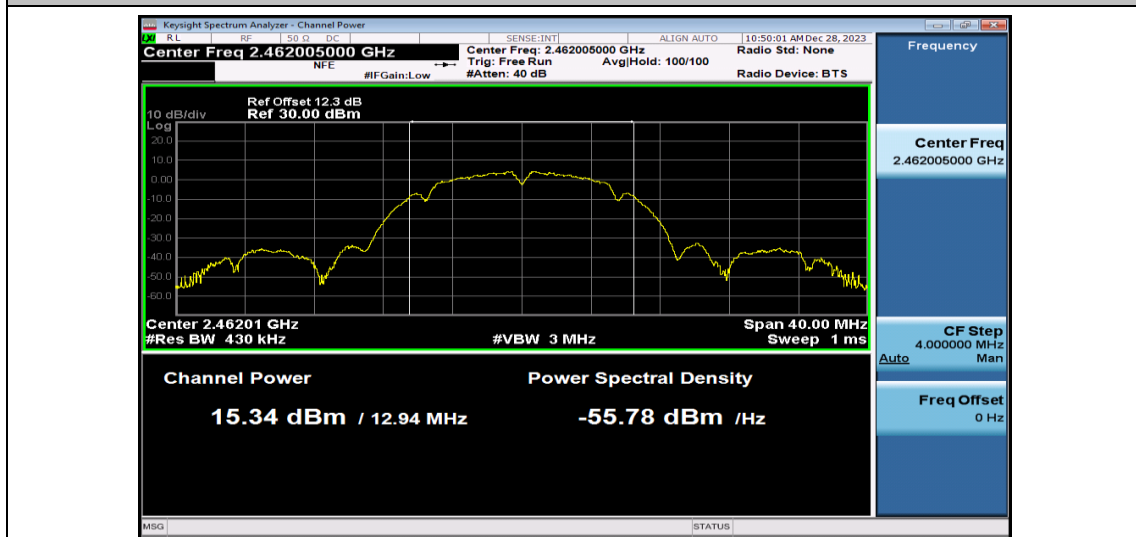
Test Graphs Average



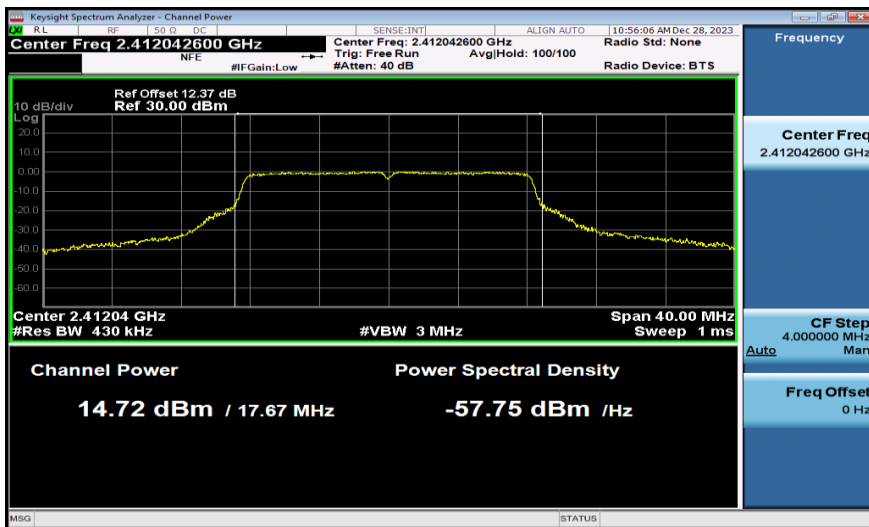
11B-Ant1-2412-PASS



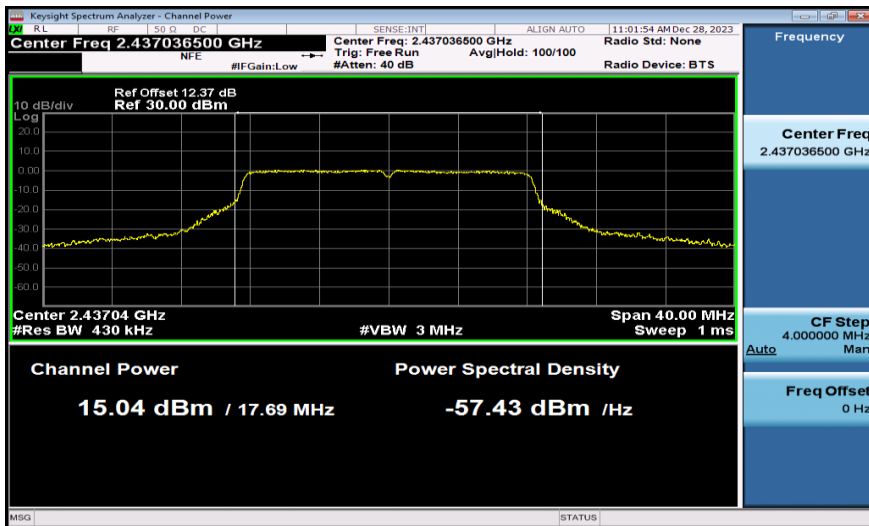
11B-Ant1-2437-PASS



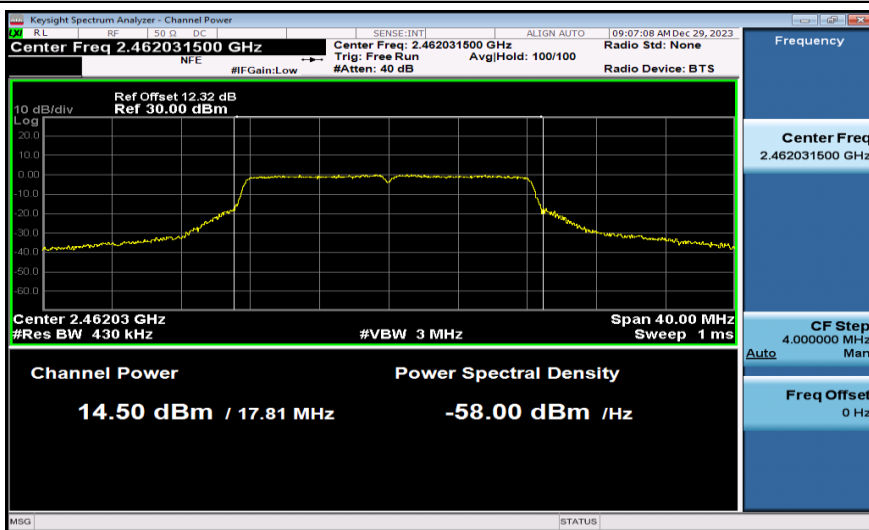
11B-Ant1-2462-PASS



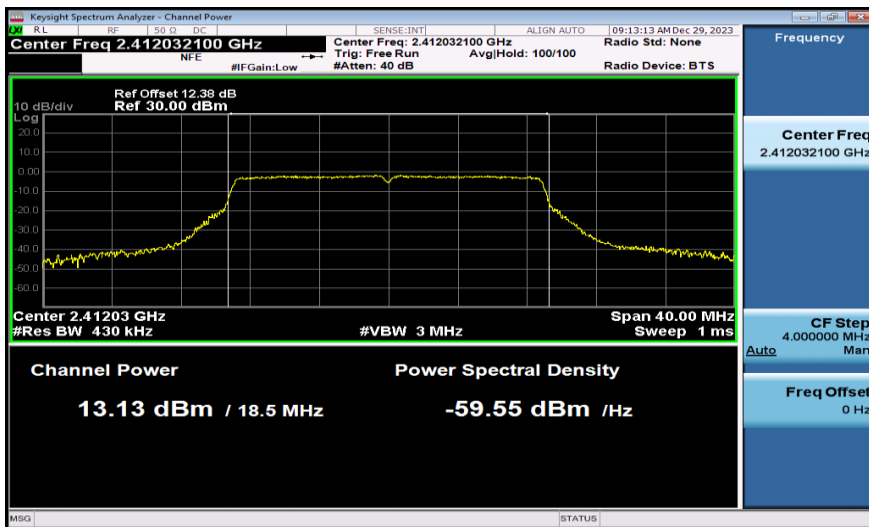
11G-Ant1-2412-PASS



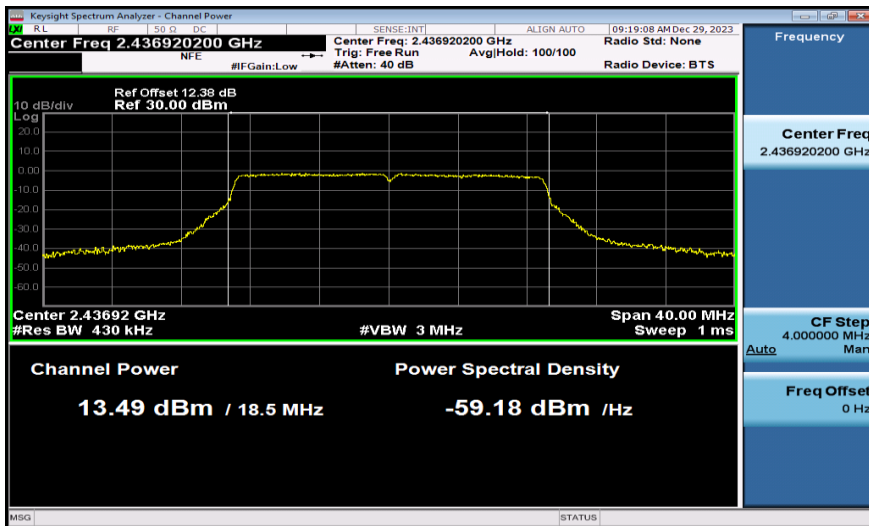
11G-Ant1-2437-PASS



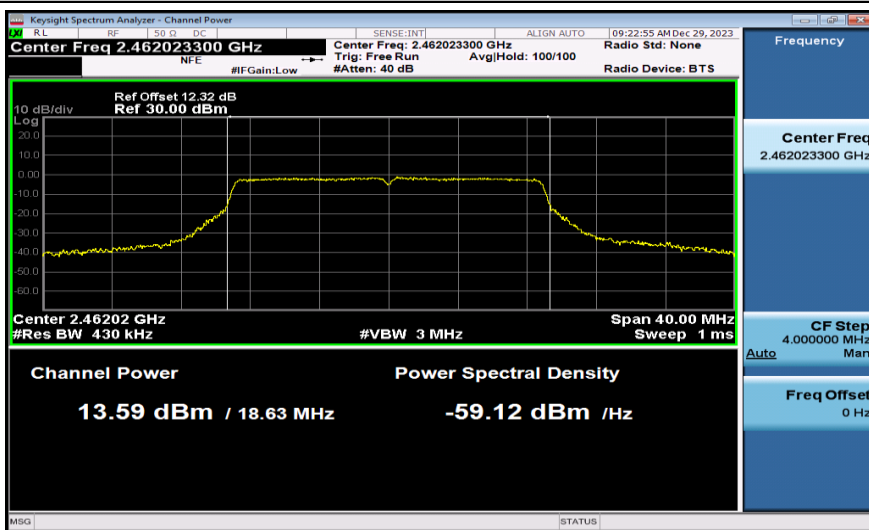
11G-Ant1-2462-PASS



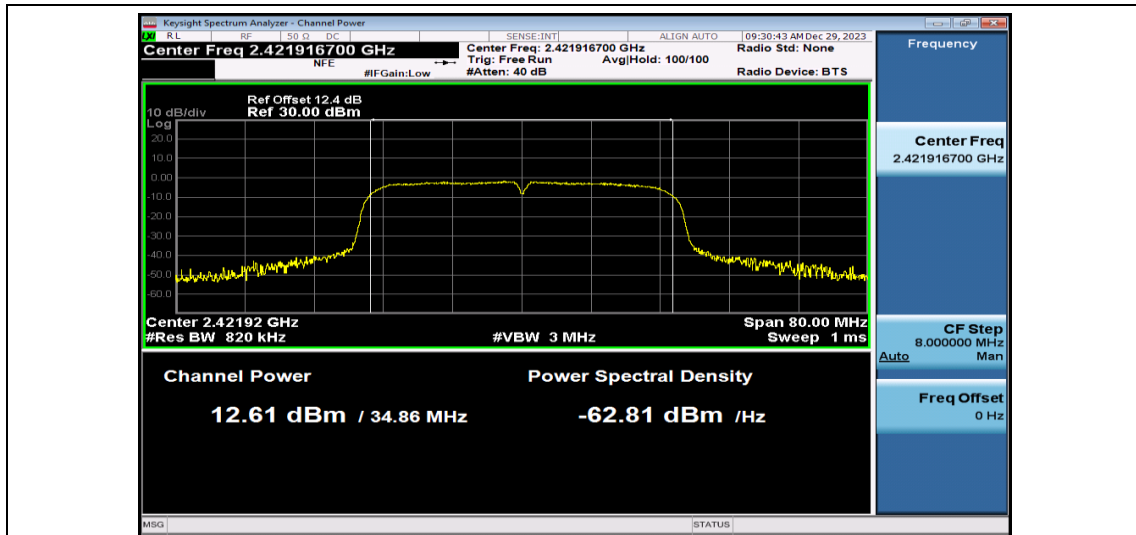
11N20SISO-Ant1-2412-PASS



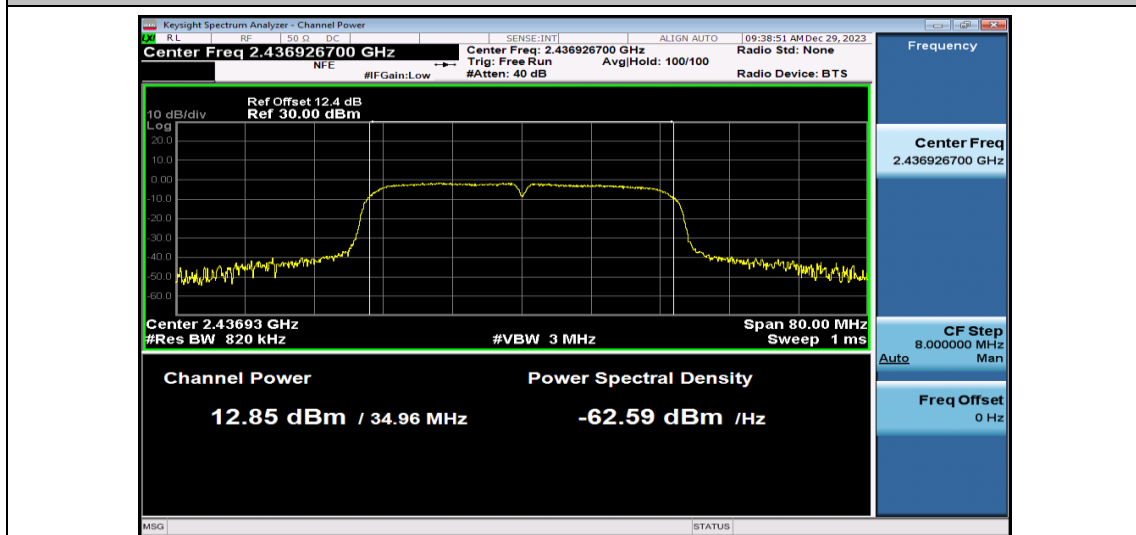
11N20SISO-Ant1-2437-PASS



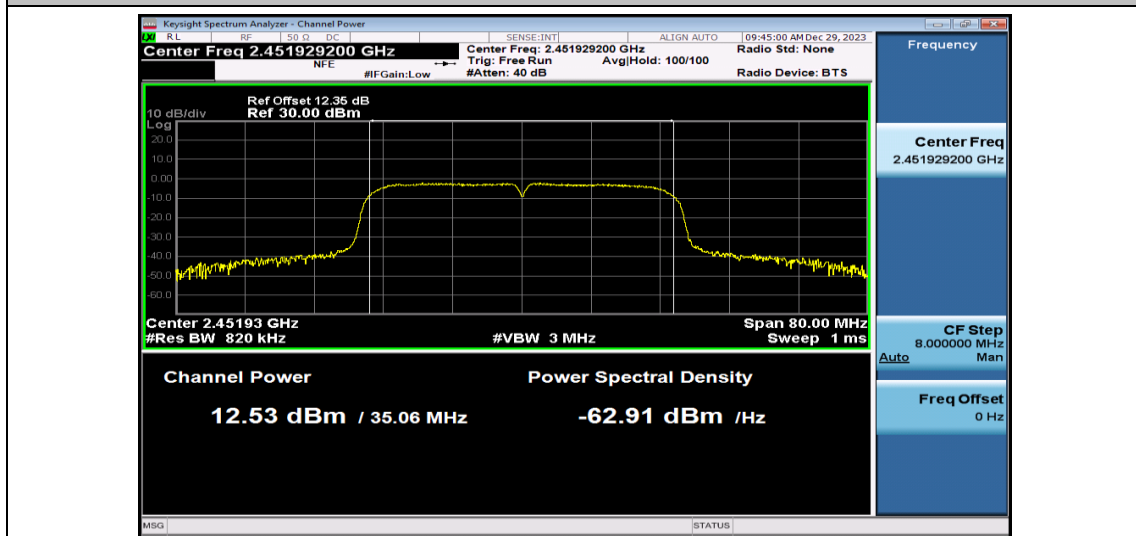
11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2437-PASS



11N40SISO-Ant1-2452-PASS

Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-15.38	≤8.00	PASS
11B	Ant1	2437	-15.28	≤8.00	PASS
11B	Ant1	2462	-15.53	≤8.00	PASS
11G	Ant1	2412	-16.7	≤8.00	PASS
11G	Ant1	2437	-16.12	≤8.00	PASS
11G	Ant1	2462	-18.51	≤8.00	PASS
11N20SISO	Ant1	2412	-19.03	≤8.00	PASS
11N20SISO	Ant1	2437	-18.4	≤8.00	PASS
11N20SISO	Ant1	2462	-19.24	≤8.00	PASS
11N40SISO	Ant1	2422	-21.33	≤8.00	PASS
11N40SISO	Ant1	2437	-21.11	≤8.00	PASS
11N40SISO	Ant1	2452	-21.3	≤8.00	PASS

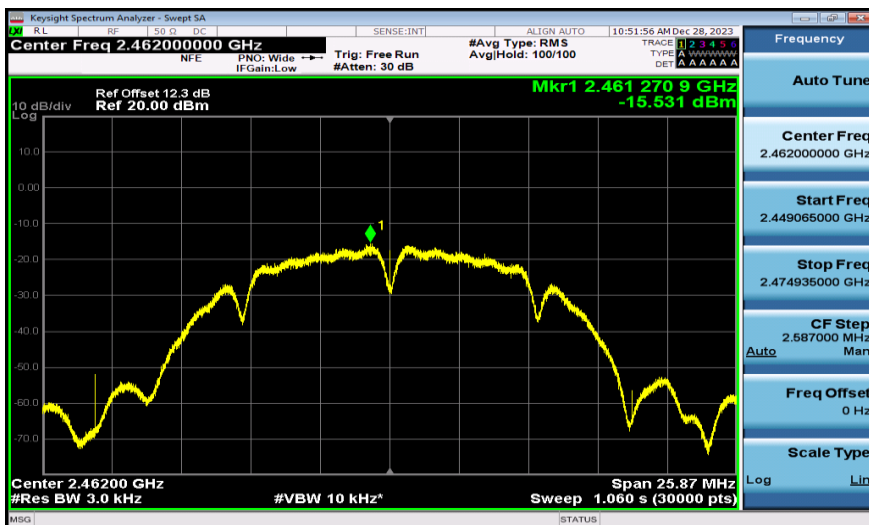
Test Graphs



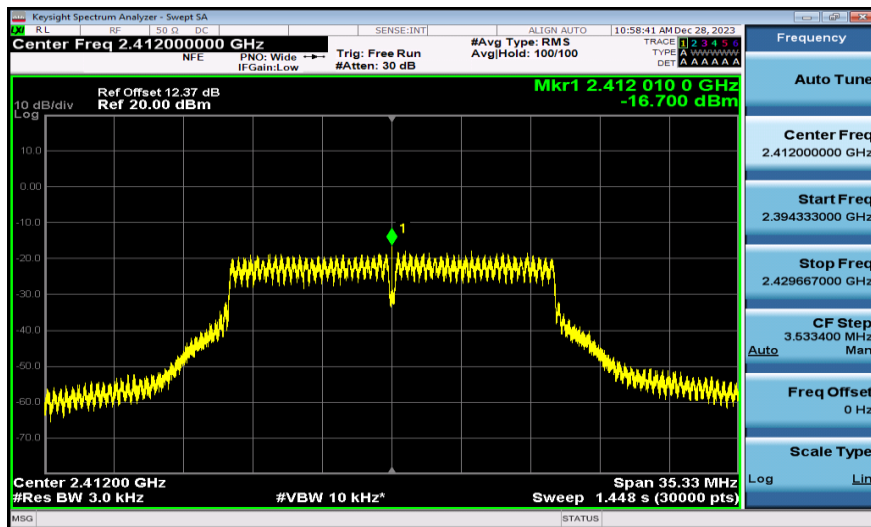
11B-Ant1-2412-PASS



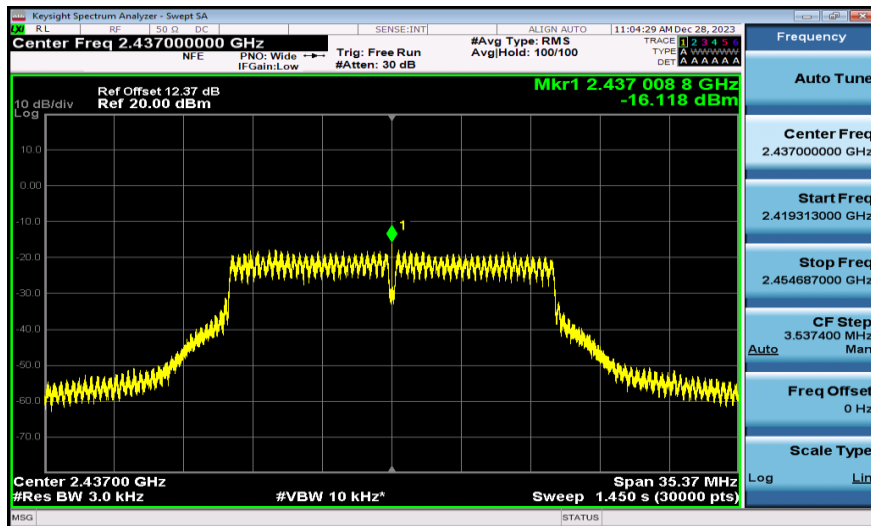
11B-Ant1-2437-PASS



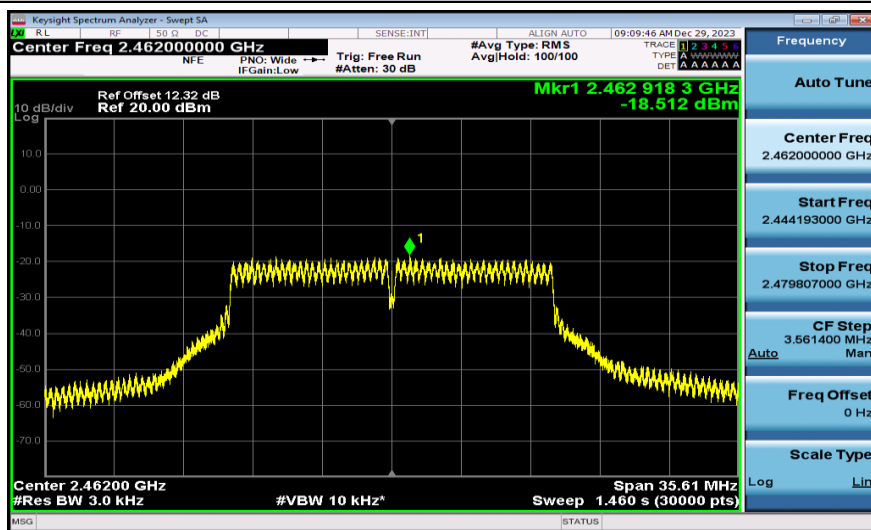
11B-Ant1-2462-PASS



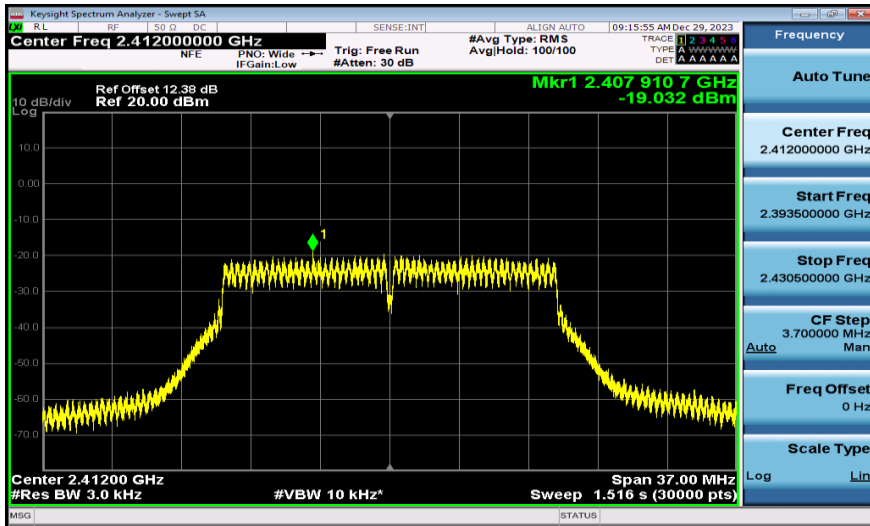
11G-Ant1-2412-PASS



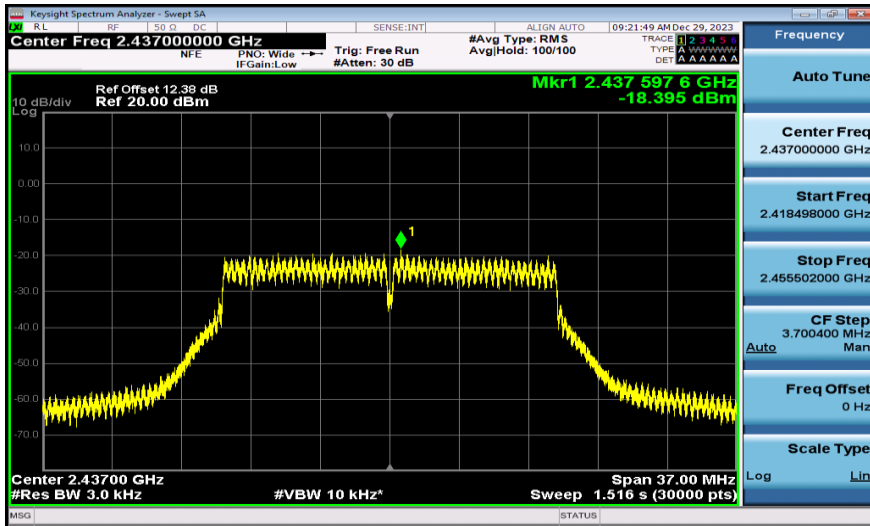
11G-Ant1-2437-PASS



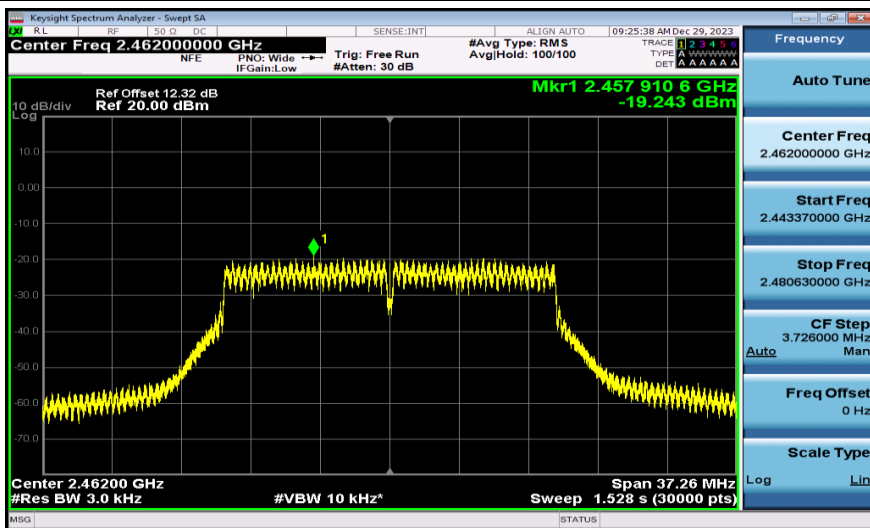
11G-Ant1-2462-PASS



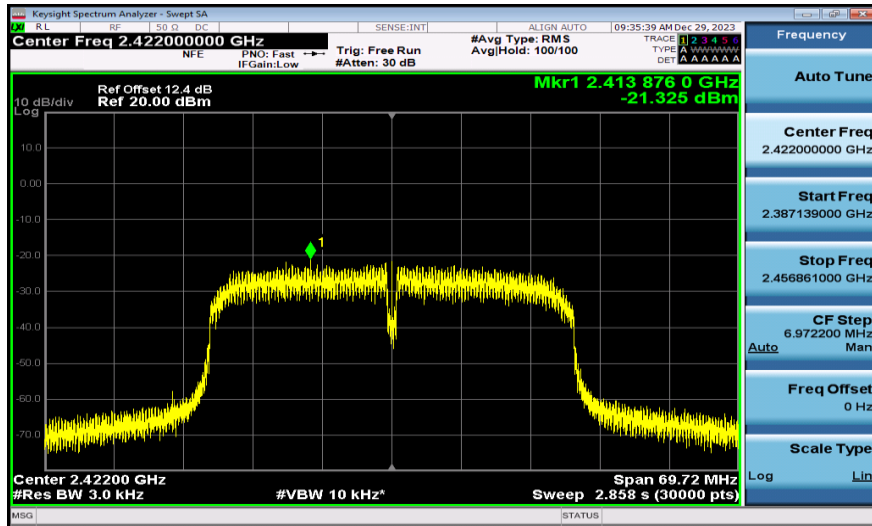
11N20SISO-Ant1-2412-PASS



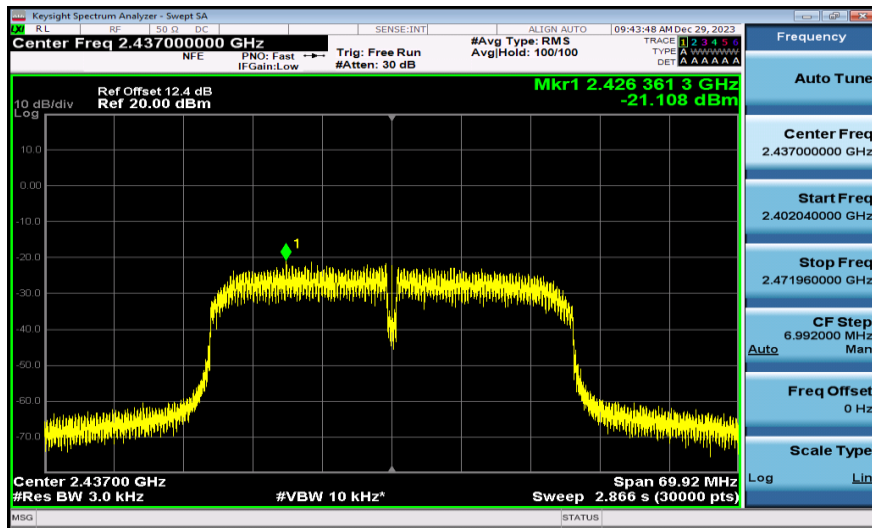
11N20SISO-Ant1-2437-PASS



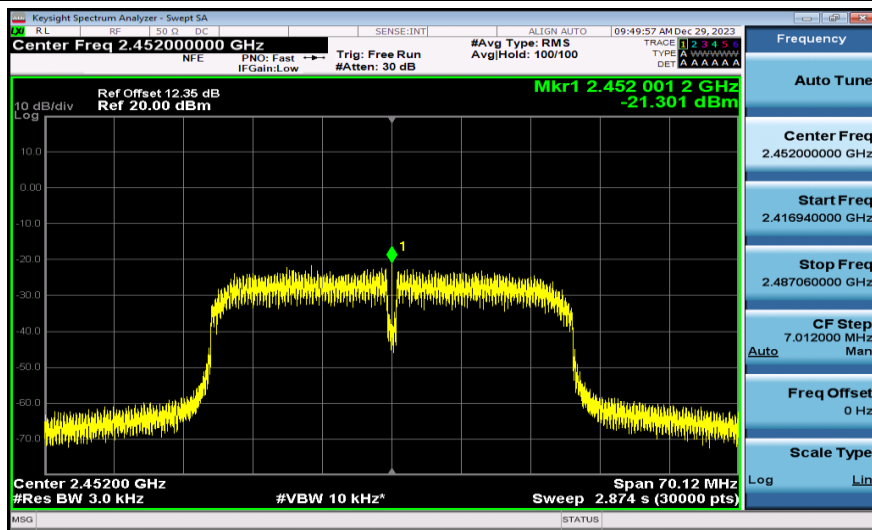
11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2437-PASS



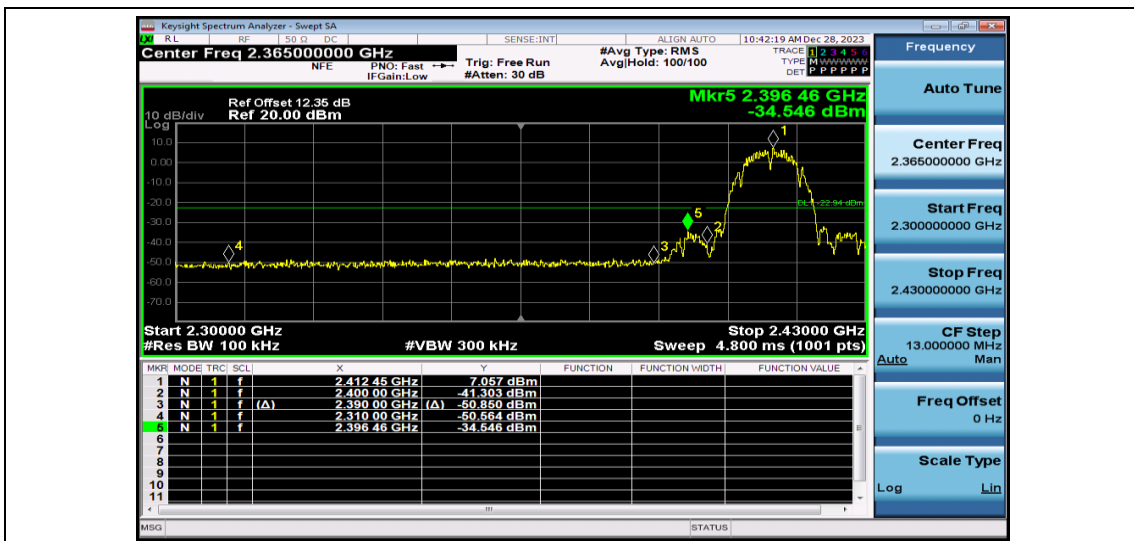
11N40SISO-Ant1-2452-PASS

Band edge measurements

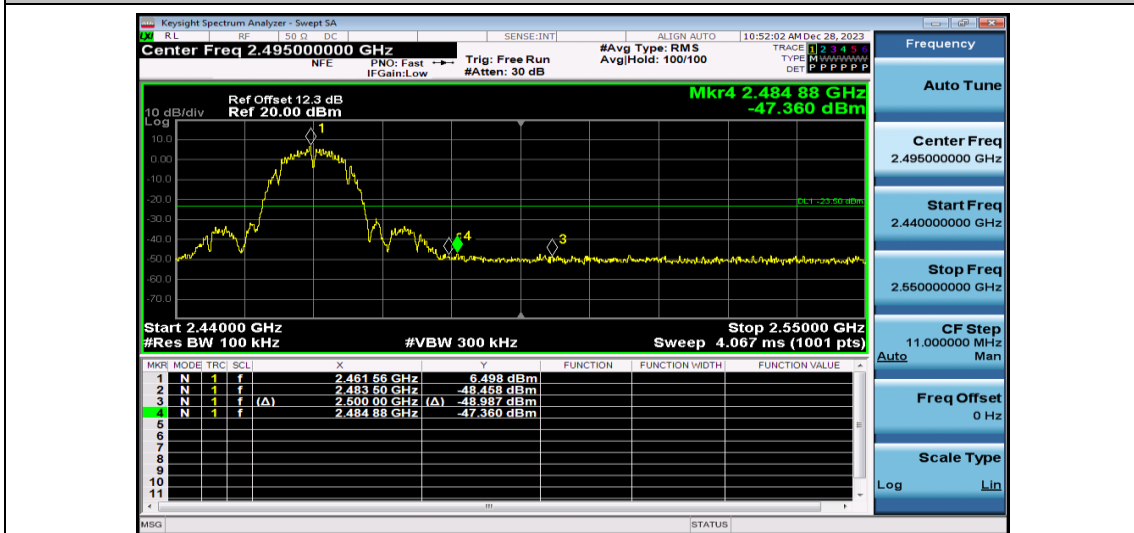
Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	7.06	-34.55	≤-22.94	PASS
11B	Ant1	High	2462	6.50	-47.36	≤-23.5	PASS
11G	Ant1	Low	2412	3.06	-29.86	≤-26.94	PASS
11G	Ant1	High	2462	3.10	-35.93	≤-26.9	PASS
11N20SISO	Ant1	Low	2412	0.15	-30.63	≤-29.85	PASS
11N20SISO	Ant1	High	2462	1.82	-37.07	≤-28.18	PASS
11N40SISO	Ant1	Low	2422	-1.37	-37.69	≤-31.37	PASS
11N40SISO	Ant1	High	2452	-1.73	-40.46	≤-31.73	PASS

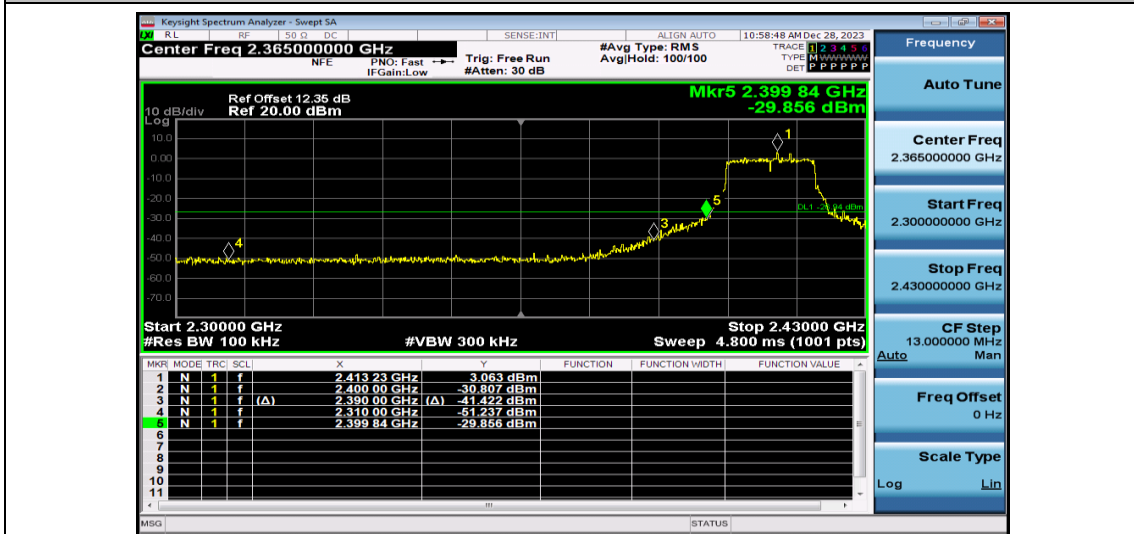
Test Graphs



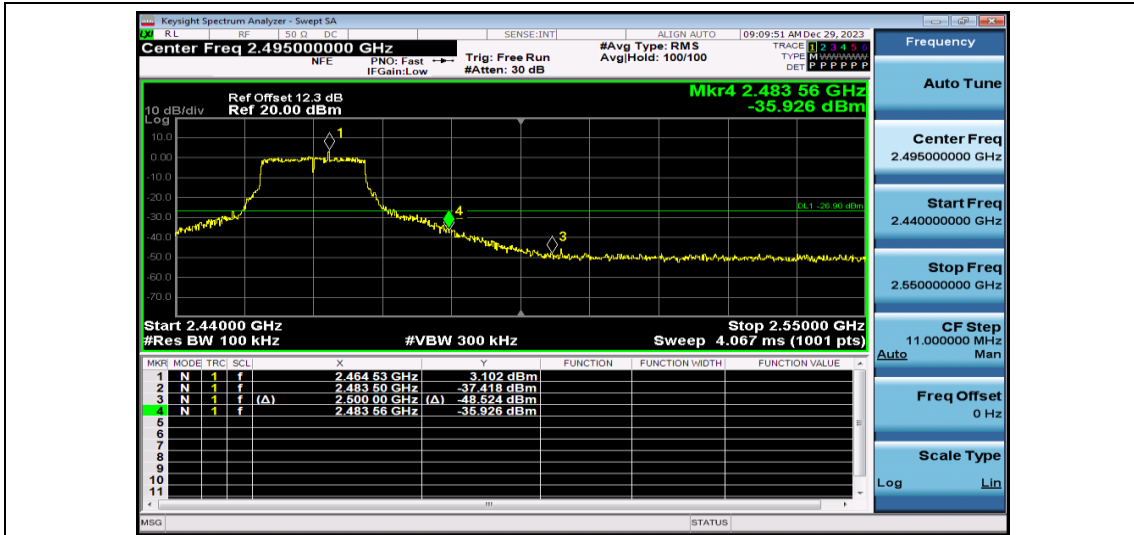
11B-Ant1-2412-PASS



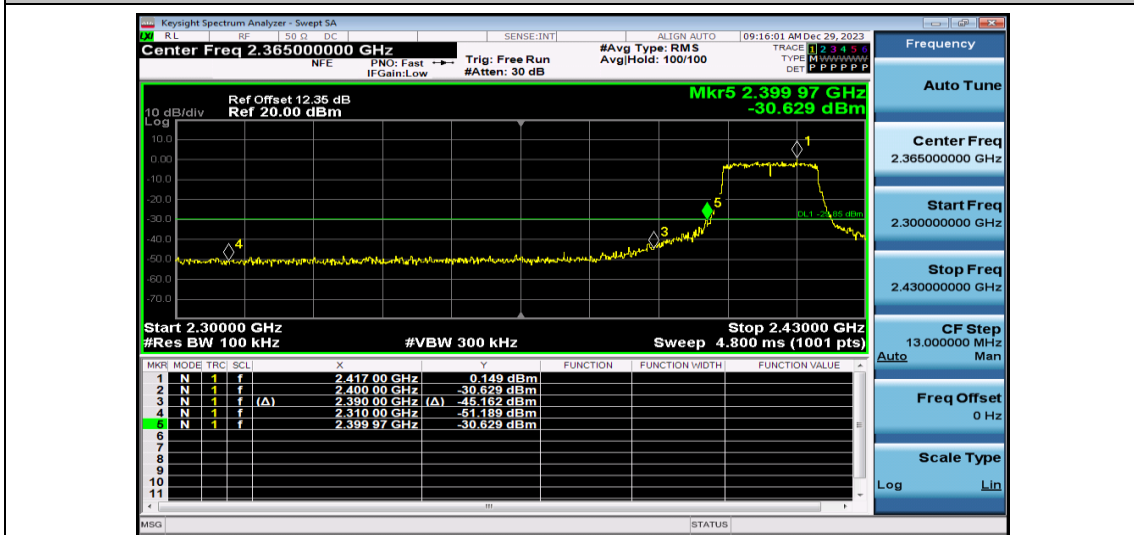
11B-Ant1-2462-PASS



11G-Ant1-2412-PASS



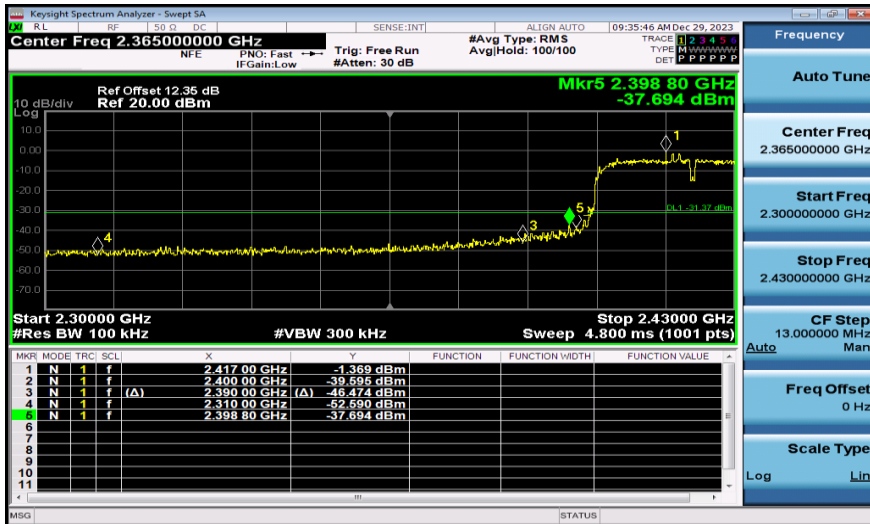
11G-Ant1-2462-PASS



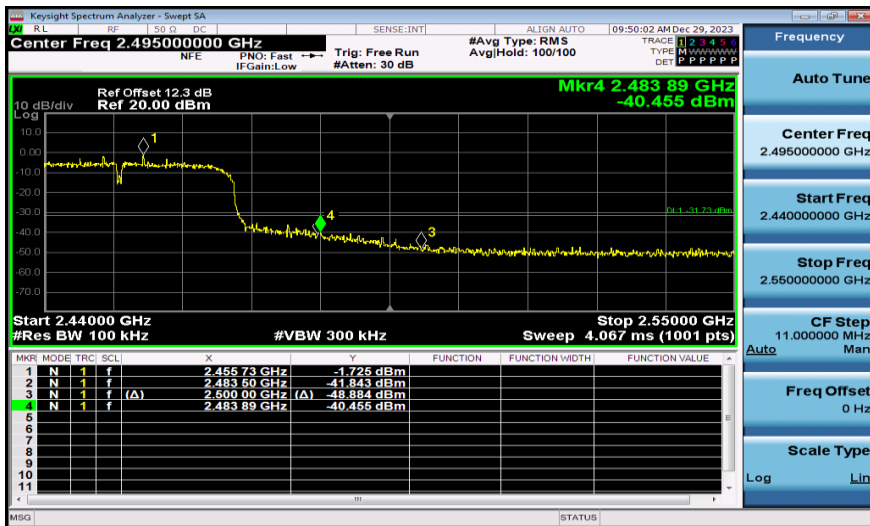
11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2452-PASS

Conducted Spurious Emission

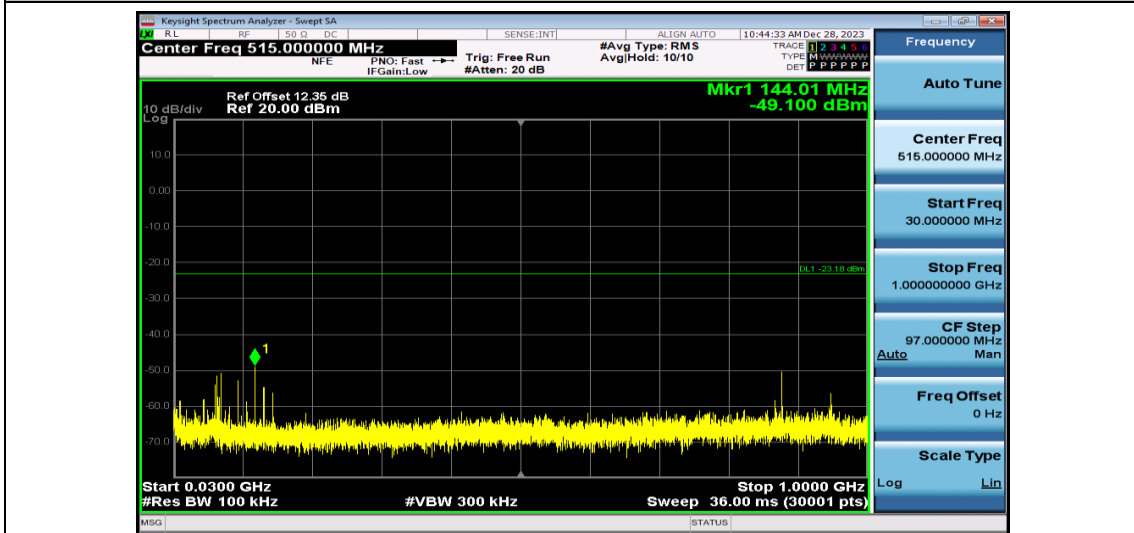
Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	6.82	6.82	---	PASS
11B	Ant1	2412	30~1000	6.82	-49.1	≤-23.18	PASS
11B	Ant1	2412	1000~26500	6.82	-42.41	≤-23.18	PASS
11B	Ant1	2437	0~Reference	6.93	6.93	---	PASS
11B	Ant1	2437	30~1000	6.93	-48.94	≤-23.07	PASS
11B	Ant1	2437	1000~26500	6.93	-41.27	≤-23.07	PASS
11B	Ant1	2462	0~Reference	6.29	6.29	---	PASS
11B	Ant1	2462	30~1000	6.29	-48.54	≤-23.71	PASS
11B	Ant1	2462	1000~26500	6.29	-40.45	≤-23.71	PASS
11G	Ant1	2412	0~Reference	3.18	3.18	---	PASS
11G	Ant1	2412	30~1000	3.18	-50.38	≤-26.82	PASS
11G	Ant1	2412	1000~26500	3.18	-50.96	≤-26.82	PASS
11G	Ant1	2437	0~Reference	2.71	2.71	---	PASS
11G	Ant1	2437	30~1000	2.71	-50.22	≤-27.29	PASS
11G	Ant1	2437	1000~26500	2.71	-48.75	≤-27.29	PASS
11G	Ant1	2462	0~Reference	0.44	0.44	---	PASS
11G	Ant1	2462	30~1000	0.44	-45.7	≤-29.56	PASS
11G	Ant1	2462	1000~26500	0.44	-51.36	≤-29.56	PASS
11N20SISO	Ant1	2412	0~Reference	0.36	0.36	---	PASS
11N20SISO	Ant1	2412	30~1000	0.36	-44.45	≤-29.64	PASS
11N20SISO	Ant1	2412	1000~26500	0.36	-43.41	≤-29.64	PASS
11N20SISO	Ant1	2437	0~Reference	1.76	1.76	---	PASS
11N20SISO	Ant1	2437	30~1000	1.76	-44	≤-28.24	PASS
11N20SISO	Ant1	2437	1000~26500	1.76	-51.4	≤-28.24	PASS
11N20SISO	Ant1	2462	0~Reference	0.79	0.79	---	PASS
11N20SISO	Ant1	2462	30~1000	0.79	-43.83	≤-29.21	PASS
11N20SISO	Ant1	2462	1000~26500	0.79	-52.06	≤-29.21	PASS
11N40SISO	Ant1	2422	0~Reference	-1.41	-1.41	---	PASS
11N40SISO	Ant1	2422	30~1000	-1.41	-42.77	≤-31.41	PASS
11N40SISO	Ant1	2422	1000~26500	-1.41	-51.46	≤-31.41	PASS
11N40SISO	Ant1	2437	0~Reference	-2.13	-2.13	---	PASS
11N40SISO	Ant1	2437	30~1000	-2.13	-43.53	≤-32.13	PASS
11N40SISO	Ant1	2437	1000~26500	-2.13	-43.73	≤-32.13	PASS
11N40SISO	Ant1	2452	0~Reference	-1.85	-1.85	---	PASS
11N40SISO	Ant1	2452	30~1000	-1.85	-44.09	≤-31.85	PASS
11N40SISO	Ant1	2452	1000~26500	-1.85	-36.33	≤-31.85	PASS

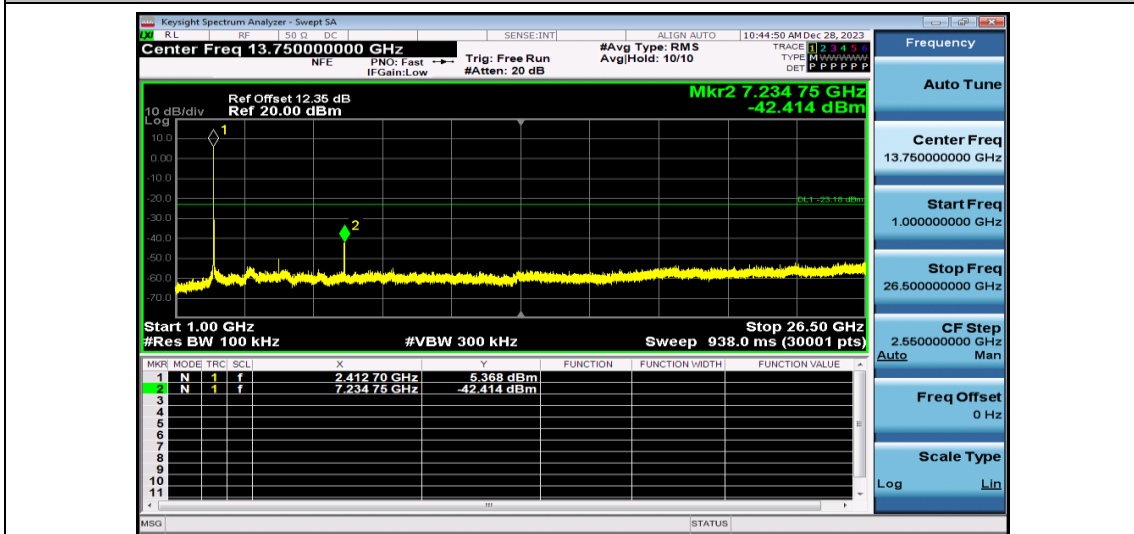
Test Graphs



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



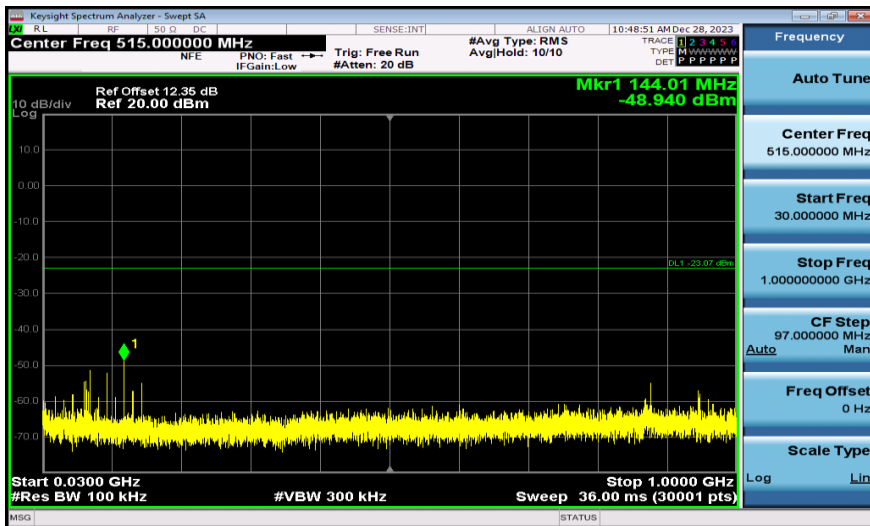
11B-Ant1-2412-30~1000-PASS



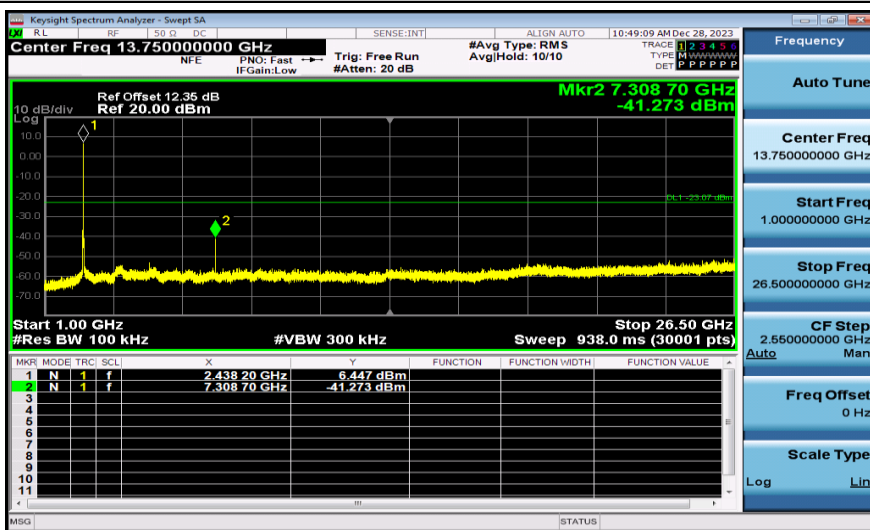
11B-Ant1-2412-1000~26500-PASS



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



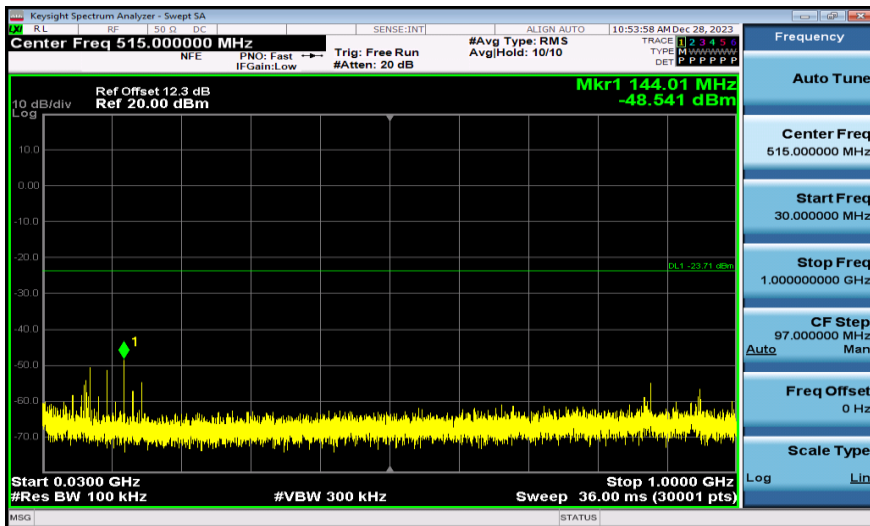
11B-Ant1-2437-30~1000-PASS



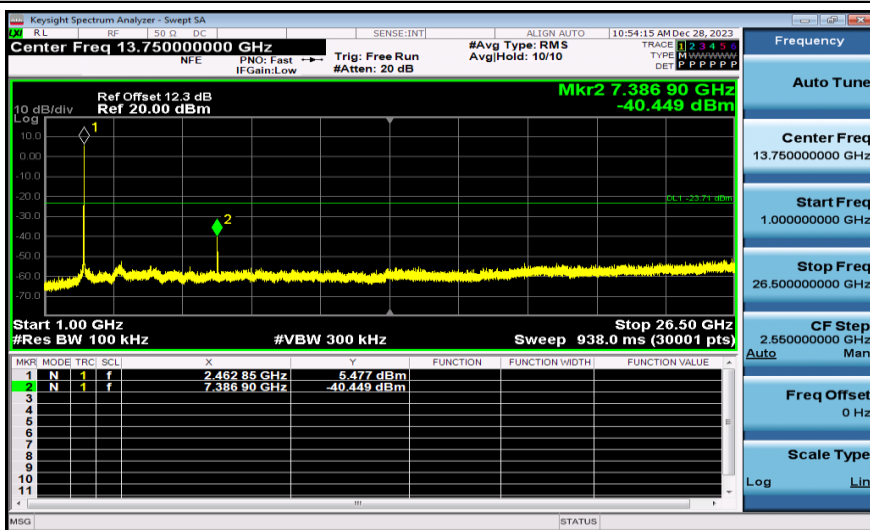
11B-Ant1-2437-1000~26500-PASS



11B-Ant1-2462-0~Reference-PASS



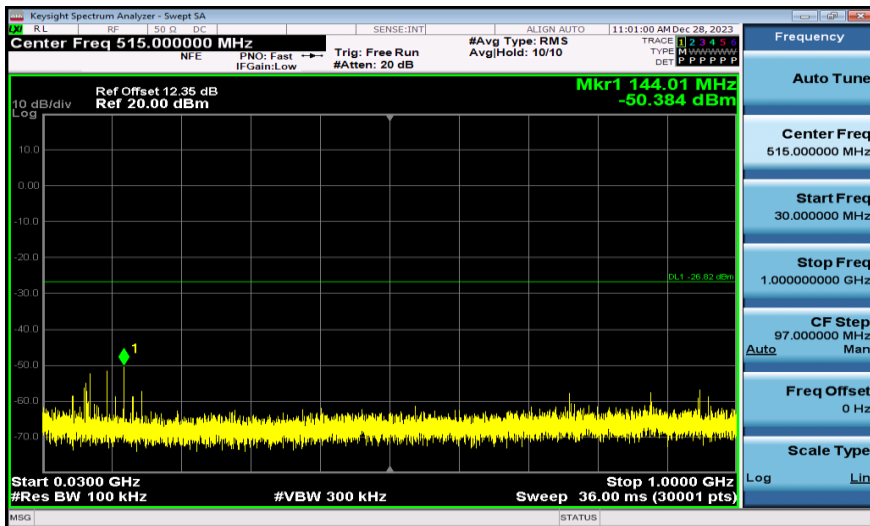
11B-Ant1-2462-30~1000-PASS



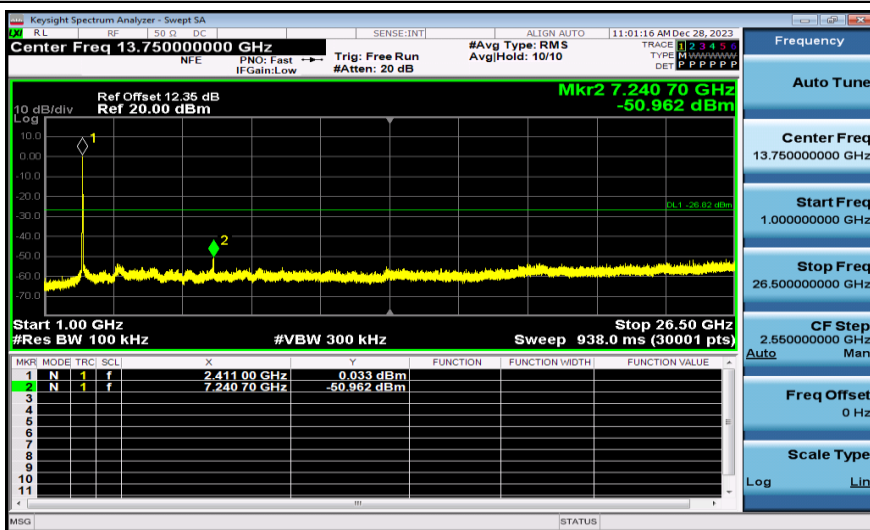
11B-Ant1-2462-1000~26500-PASS



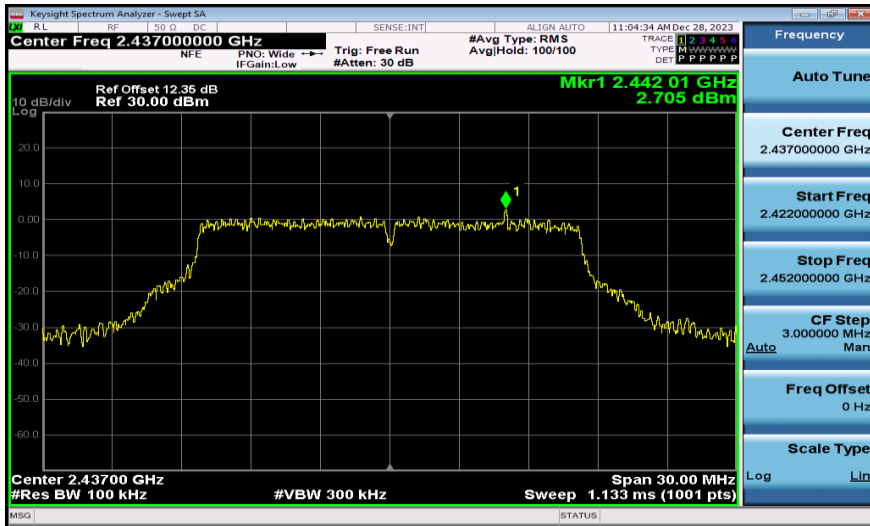
11G-Ant1-2412-0~Reference-PASS



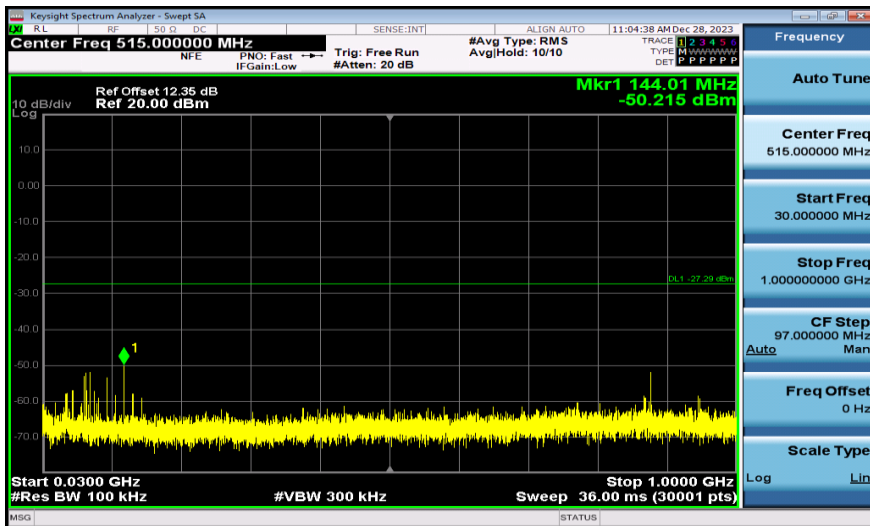
11G-Ant1-2412-30~1000-PASS



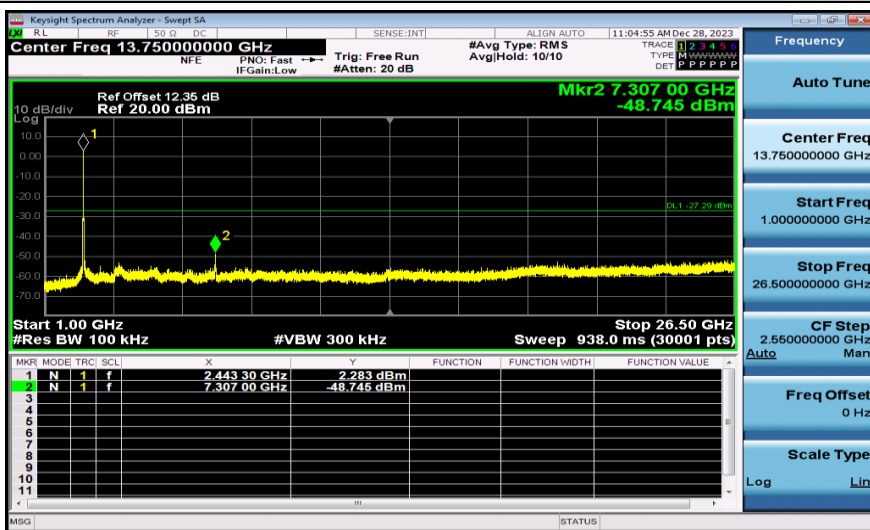
11G-Ant1-2412-1000~26500-PASS



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



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



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