

Appendix C: Maximum power spectral density Test Result

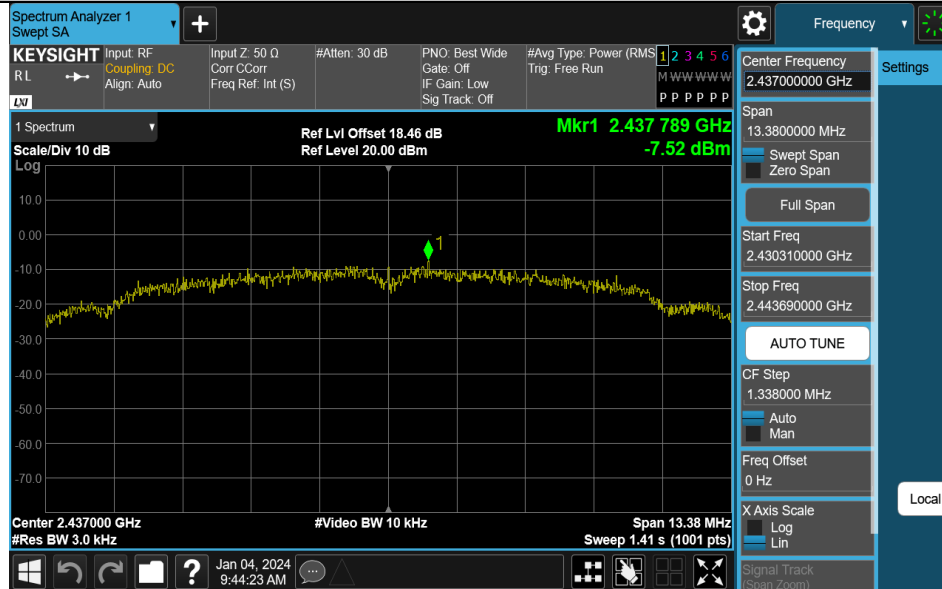
Test Mode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-8.12	≤8.00	PASS
11B	Ant1	2437	-7.52	≤8.00	PASS
11B	Ant1	2462	-6.85	≤8.00	PASS
11G	Ant1	2412	-11.53	≤8.00	PASS
11G	Ant1	2437	-11.04	≤8.00	PASS
11G	Ant1	2462	-11.36	≤8.00	PASS
11N20SISO	Ant1	2412	-11.88	≤8.00	PASS
11N20SISO	Ant1	2437	-11.93	≤8.00	PASS
11N20SISO	Ant1	2462	-11.96	≤8.00	PASS
11N40SISO	Ant1	2422	-15.03	≤8.00	PASS
11N40SISO	Ant1	2437	-14.40	≤8.00	PASS
11N40SISO	Ant1	2452	-14.19	≤8.00	PASS

Test Graphs

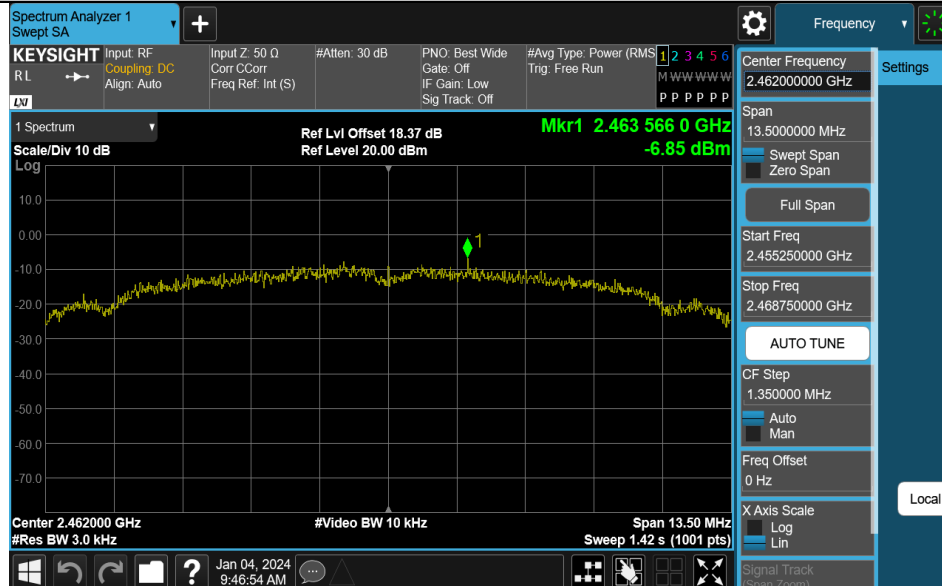
11B-Ant1-2412-PASS



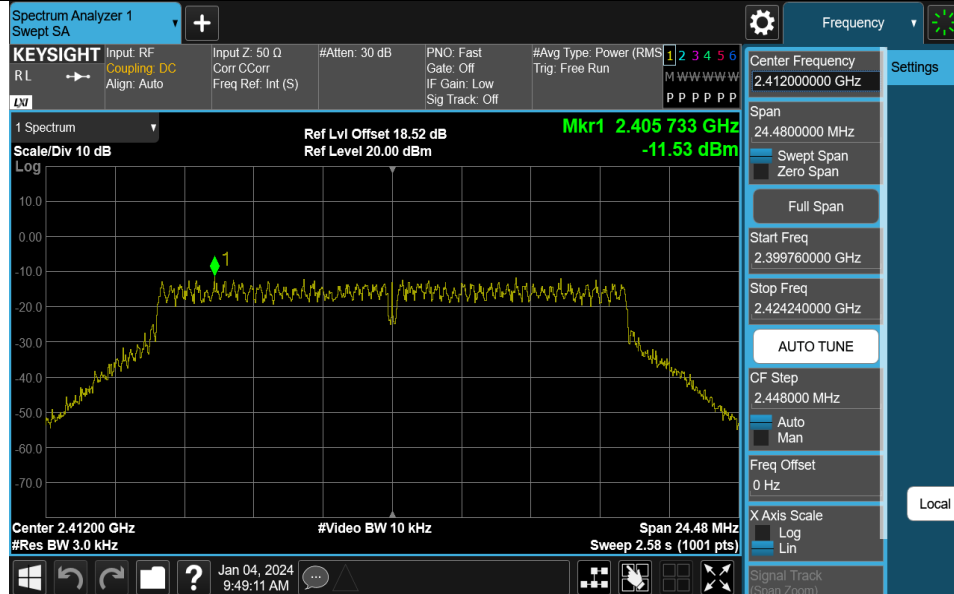
11B-Ant1-2437-PASS



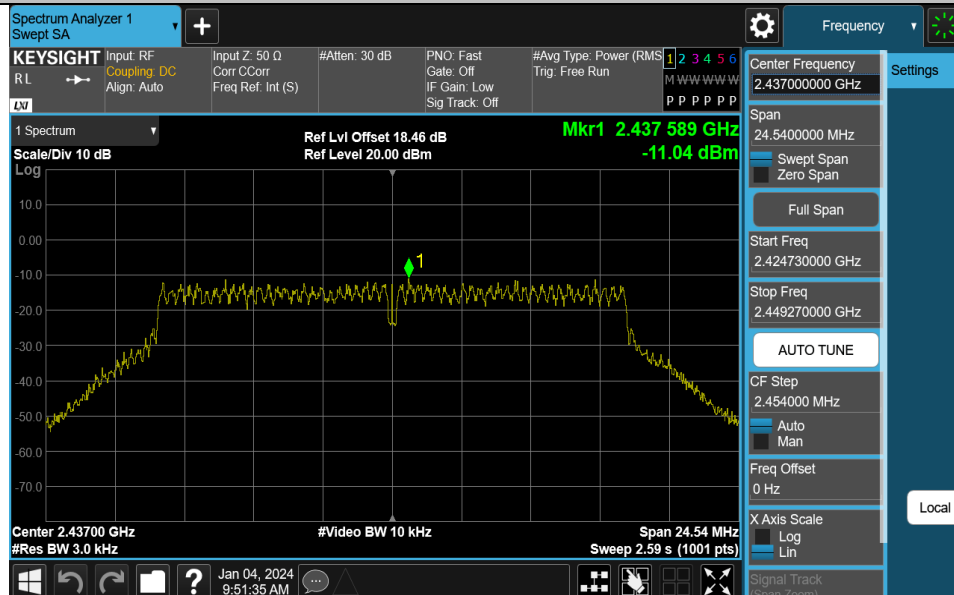
11B-Ant1-2462-PASS



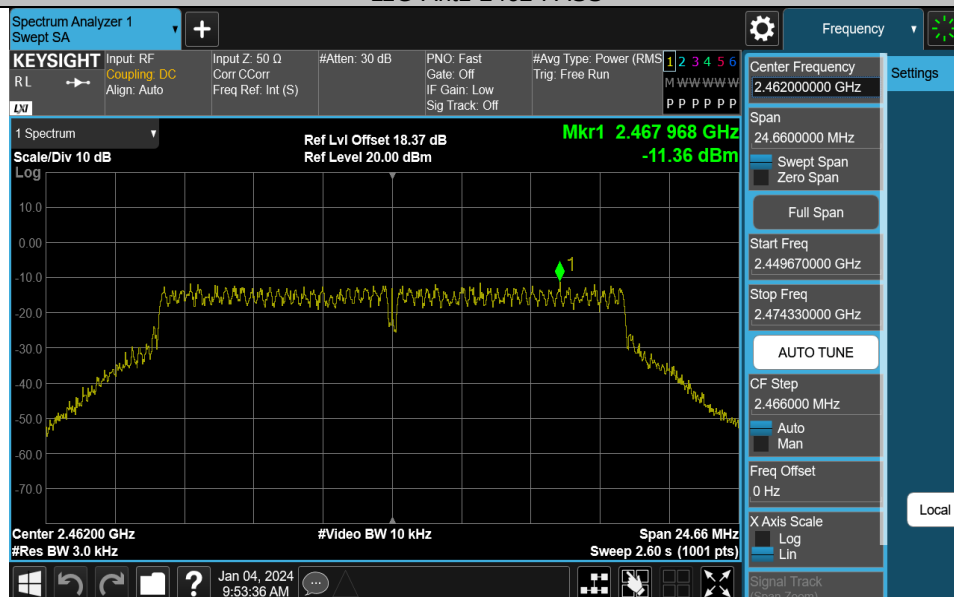
11G-Ant1-2412-PASS



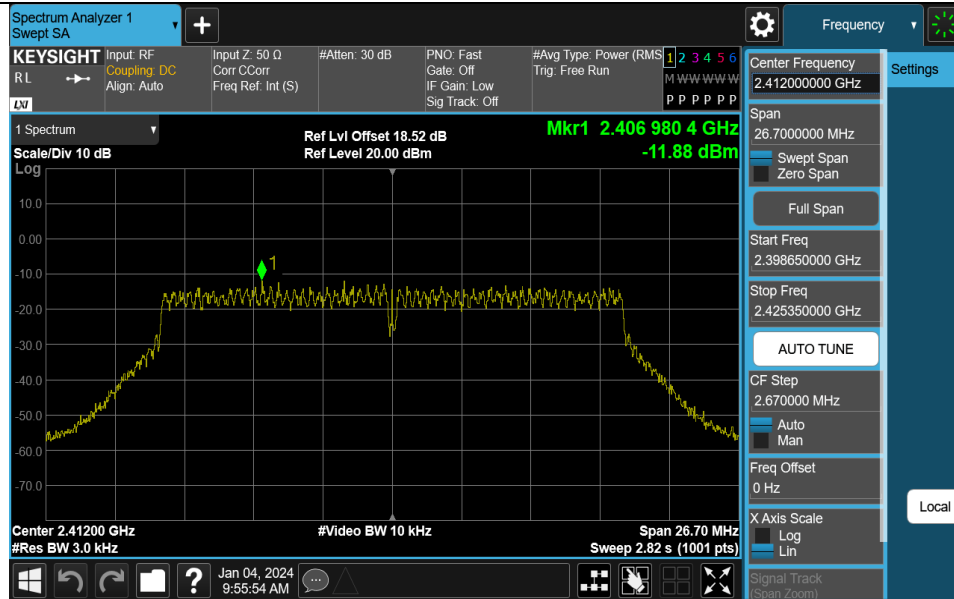
11G-Ant1-2437-PASS



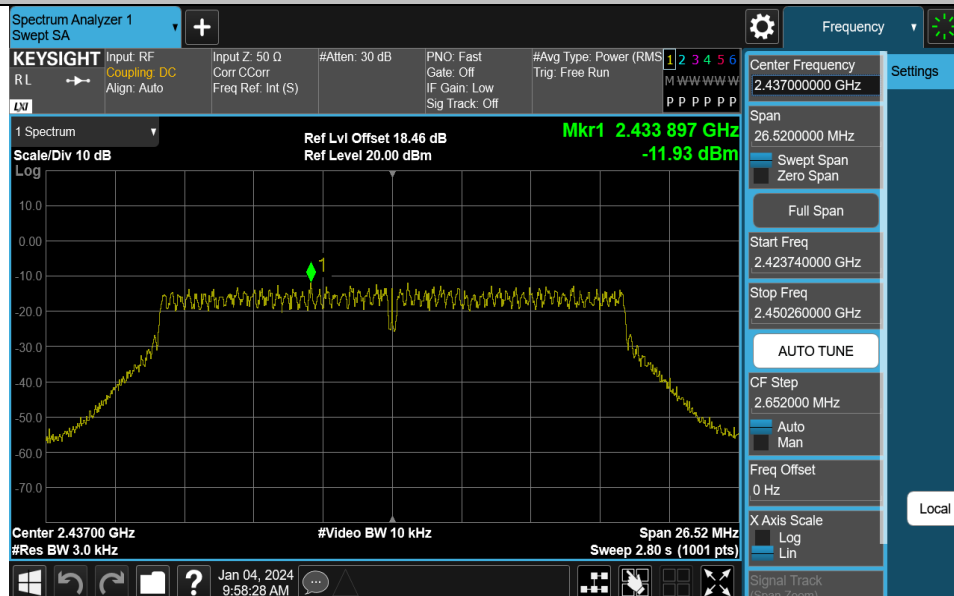
11G-Ant1-2462-PASS



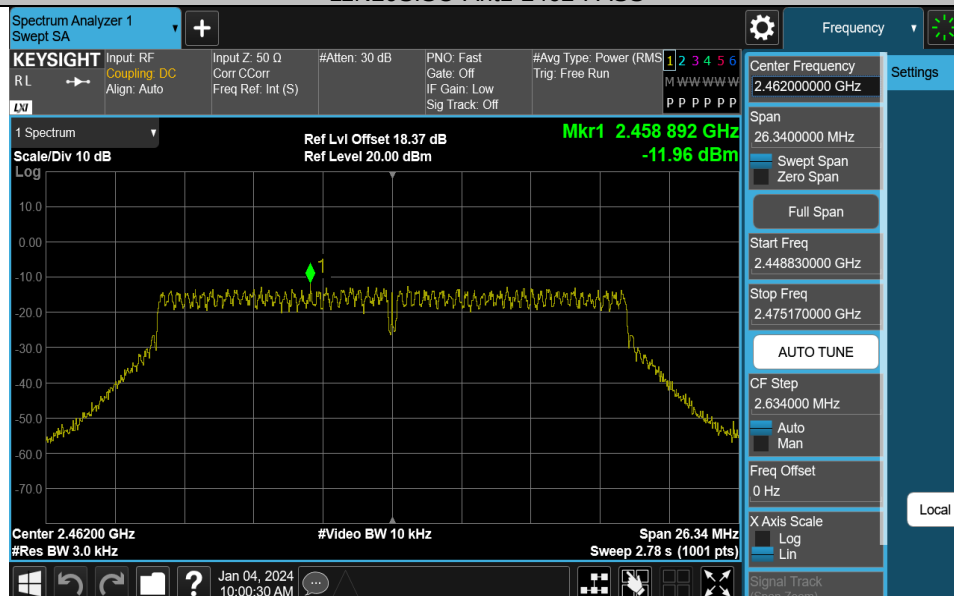
11N20SISO-Ant1-2412-PASS



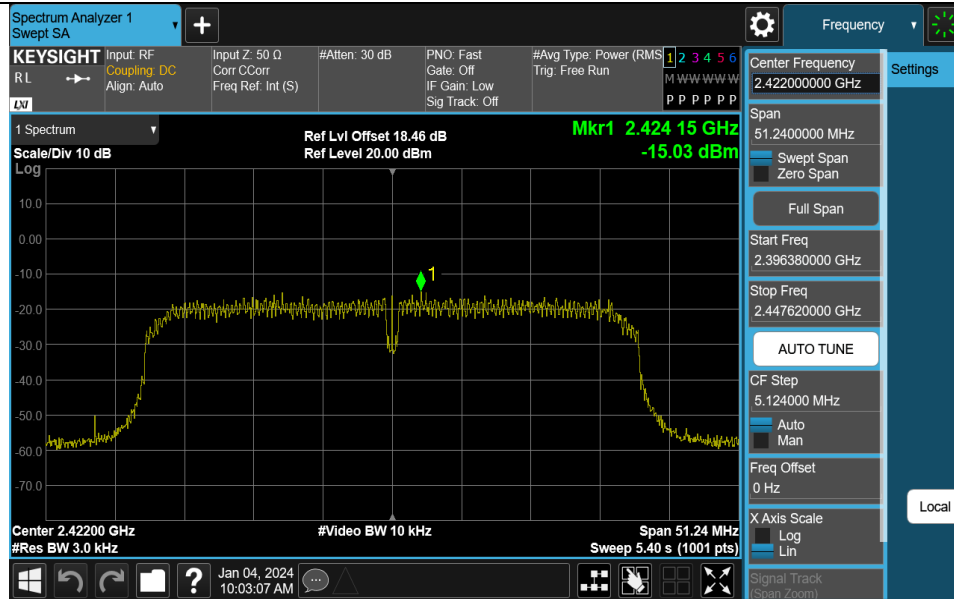
11N20SISO-Ant1-2437-PASS



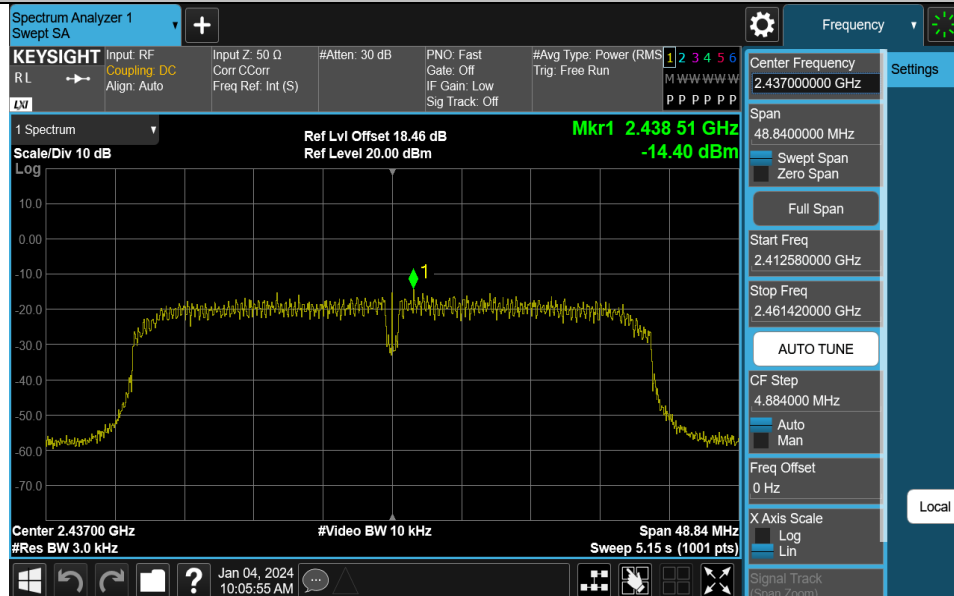
11N20SISO-Ant1-2462-PASS



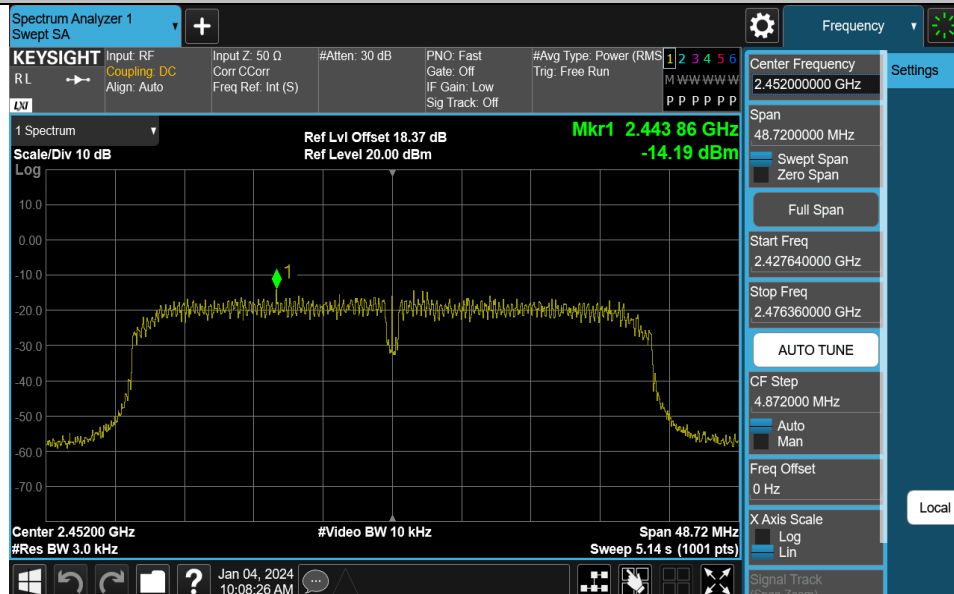
11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2437-PASS



11N40SISO-Ant1-2452-PASS



Appendix D: Reference level measurement

Test Result

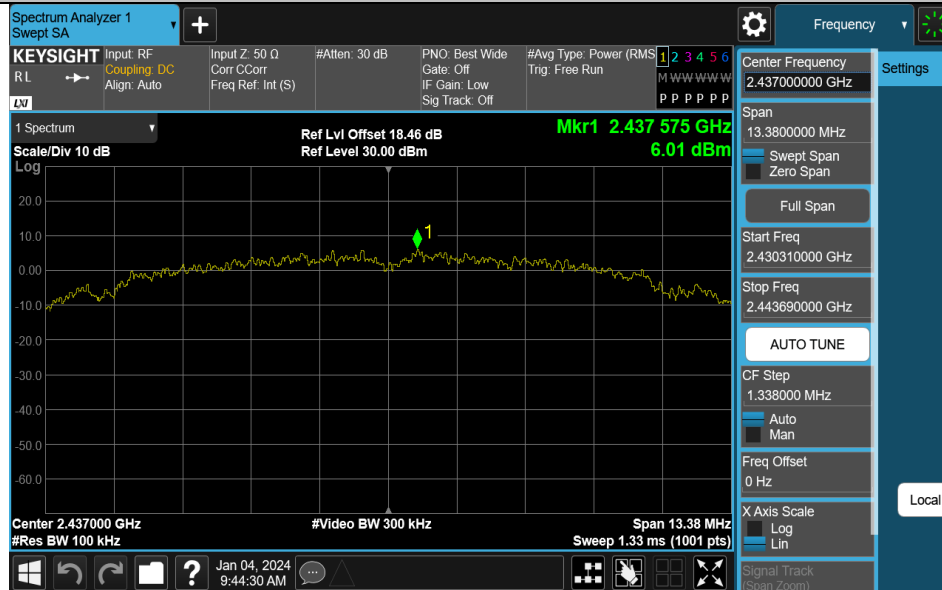
Test Mode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
11B	Ant1	2412	2412.53	6.54
11B	Ant1	2437	2437.58	6.01
11B	Ant1	2462	2463.00	6.77
11G	Ant1	2412	2416.99	1.94
11G	Ant1	2437	2434.50	1.58
11G	Ant1	2462	2466.98	2.25
11N20SISO	Ant1	2412	2419.53	0.50
11N20SISO	Ant1	2437	2439.55	0.27
11N20SISO	Ant1	2462	2459.50	0.89
11N40SISO	Ant1	2422	2424.51	-2.32
11N40SISO	Ant1	2437	2428.26	-1.68
11N40SISO	Ant1	2452	2449.52	-1.82

Test Graphs

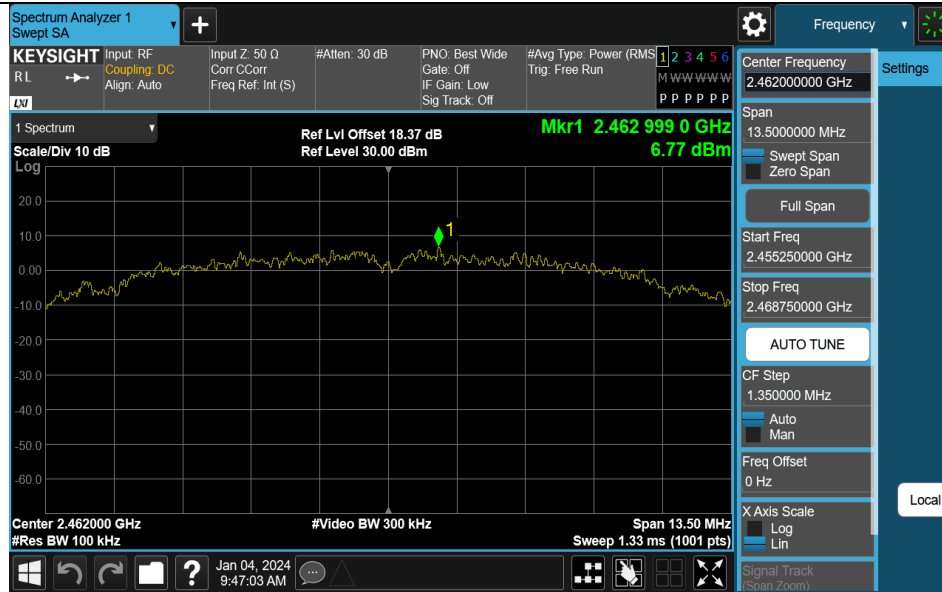
11B-Ant1-2412-PASS



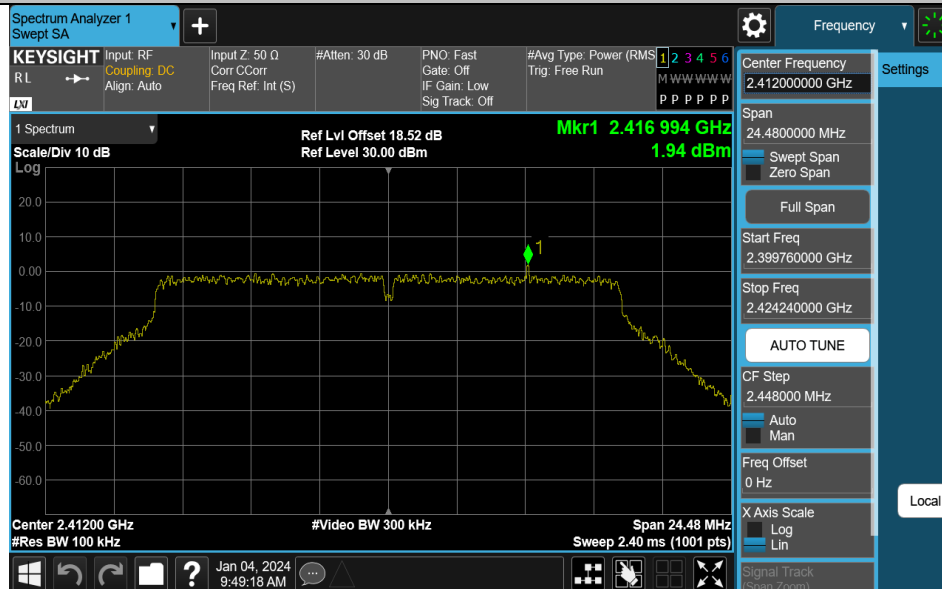
11B-Ant1-2437-PASS



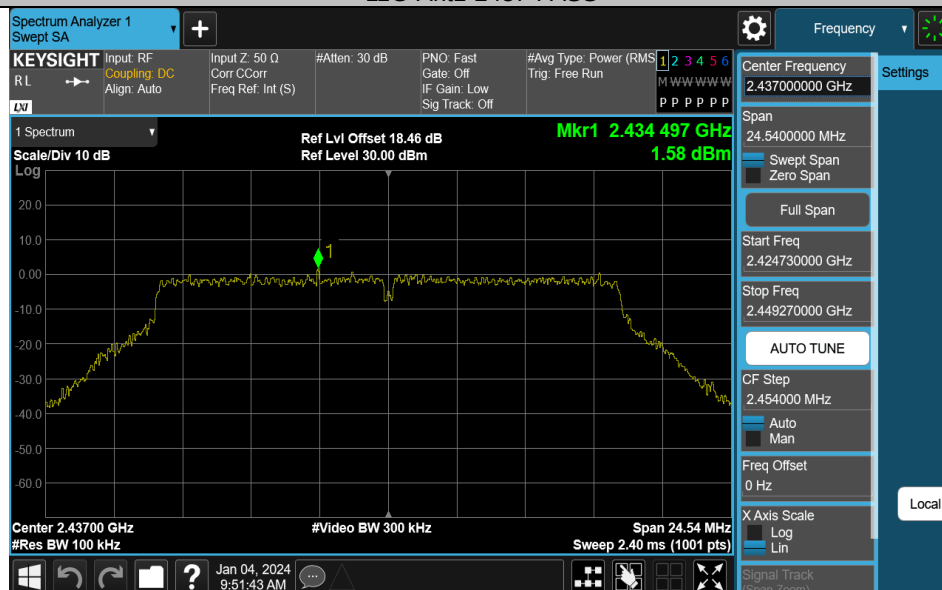
11B-Ant1-2462-PASS



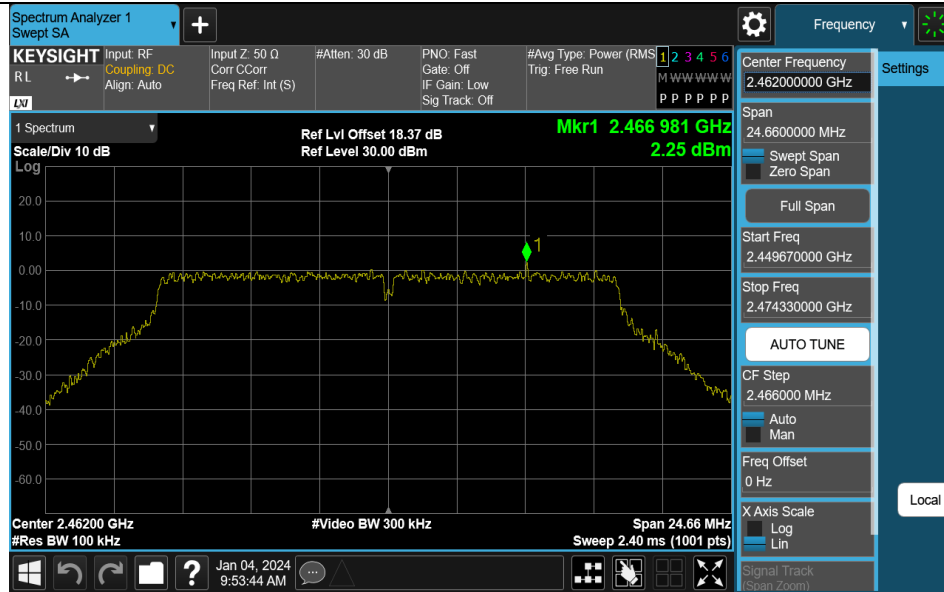
11G-Ant1-2412-PASS



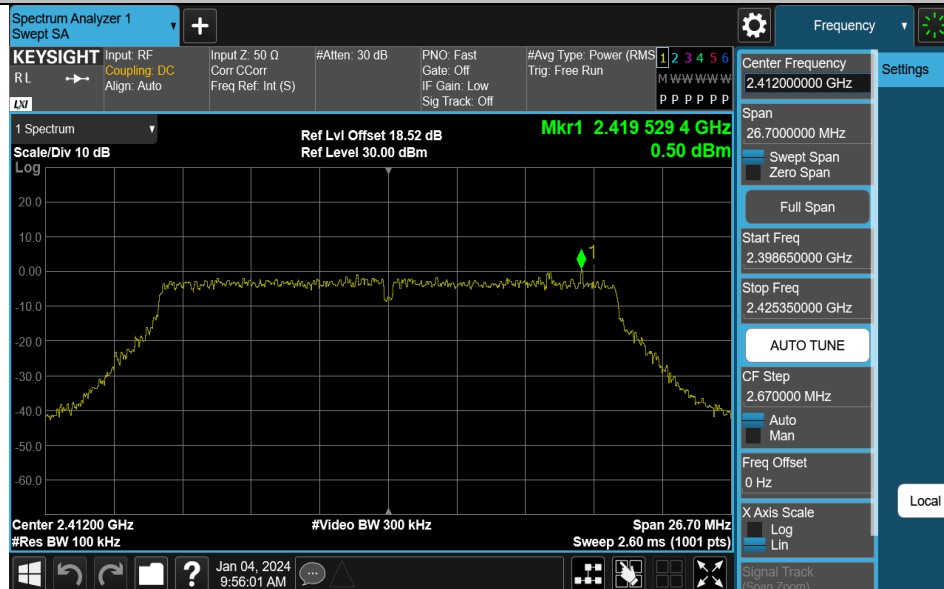
11G-Ant1-2437-PASS



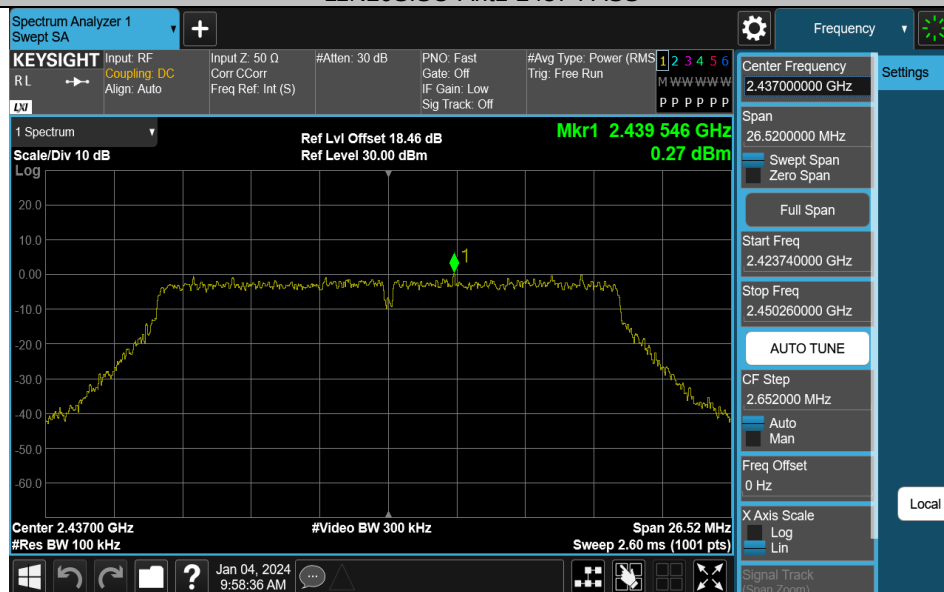
11G-Ant1-2462-PASS



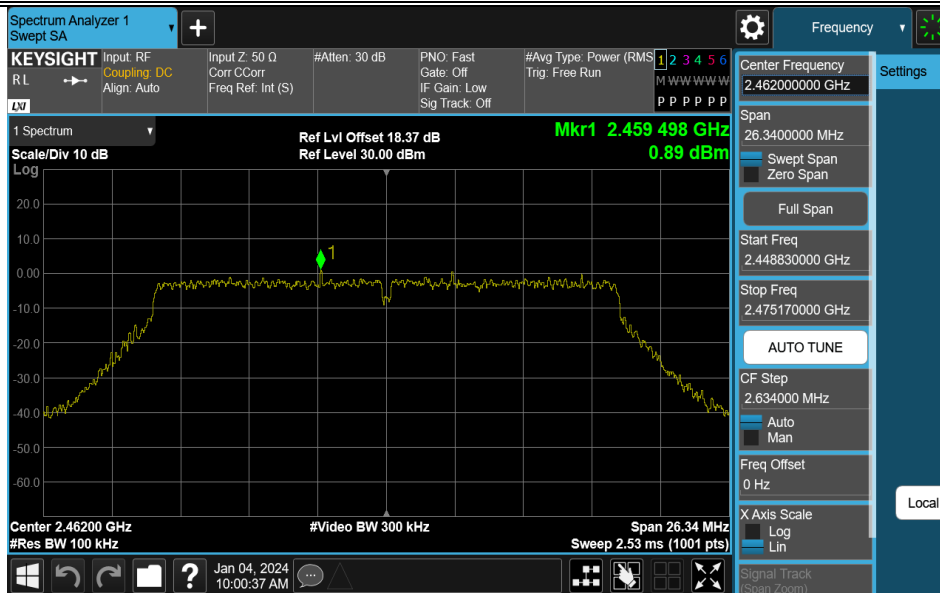
11N20SISO-Ant1-2412-PASS



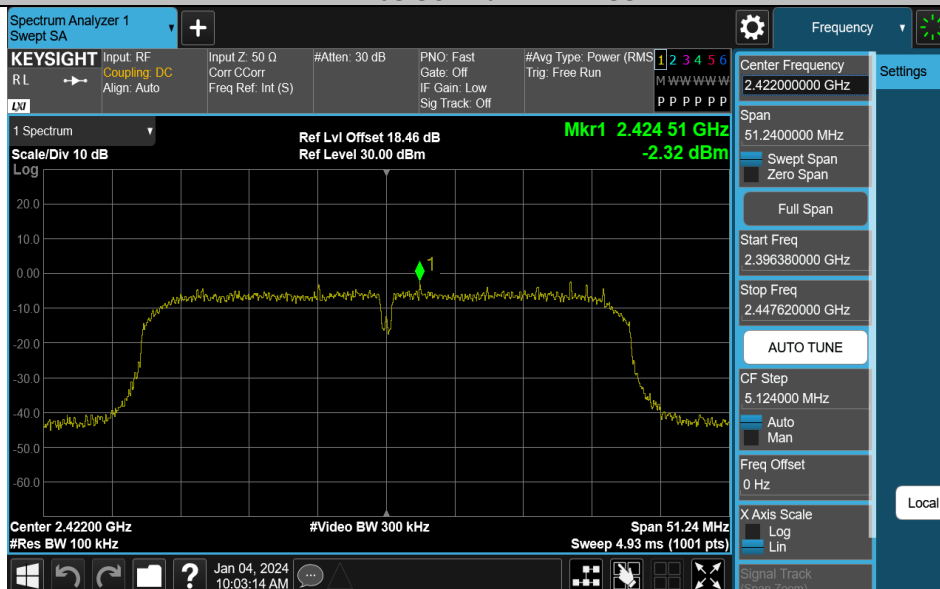
11N20SISO-Ant1-2437-PASS



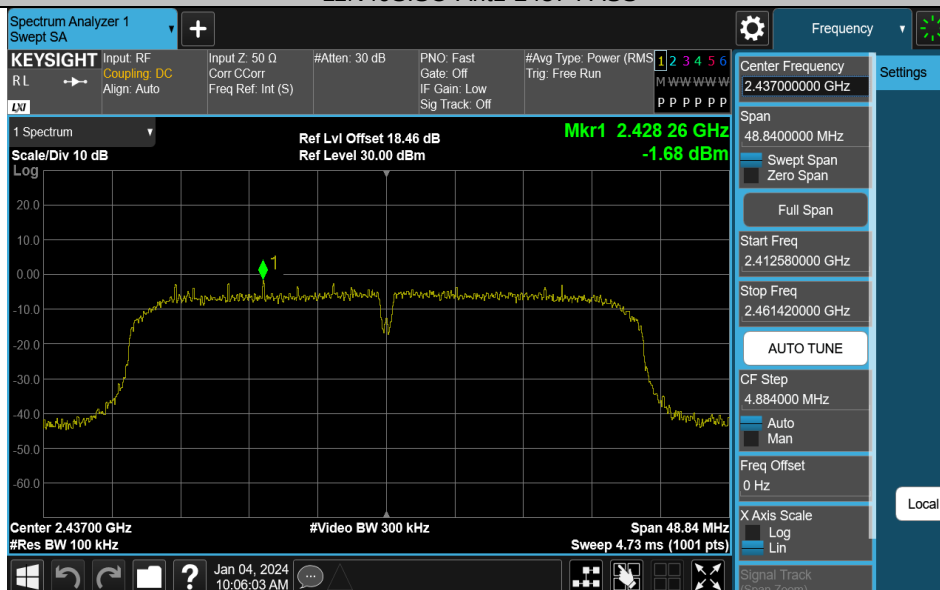
11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2437-PASS



11N40SISO-Ant1-2452-PASS



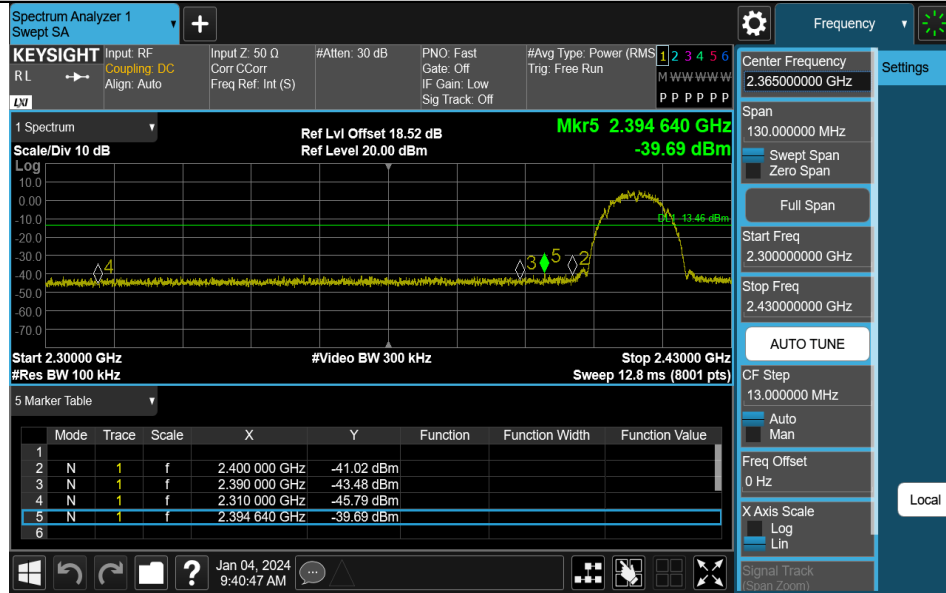
Appendix E: Band edge measurements

Test Result

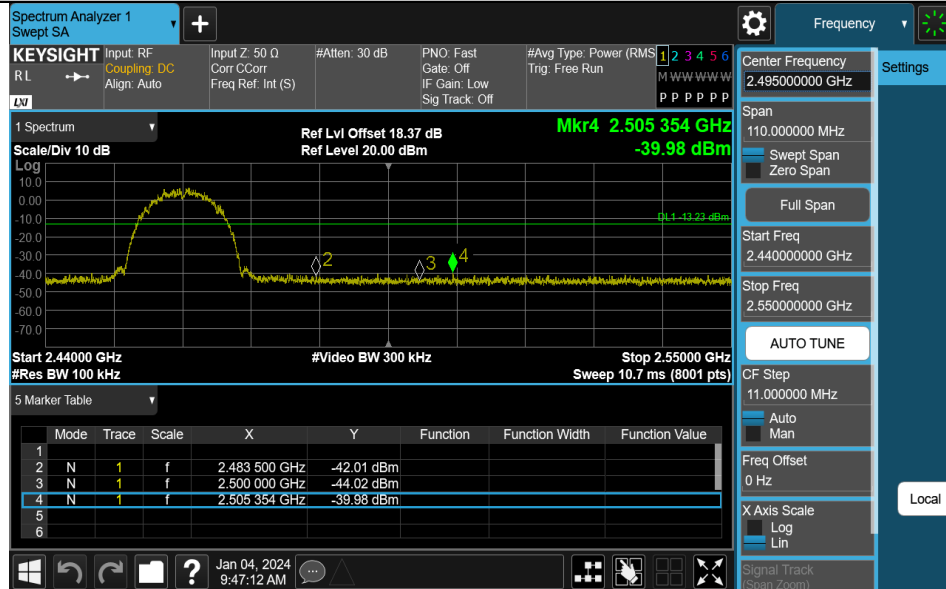
Test Mode	Antenna	Ch Name	Frequency [MHz]	Ref Level [dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.54	-39.69	≤ -13.46	PASS
11B	Ant1	High	2462	6.77	-39.98	≤ -13.23	PASS
11G	Ant1	Low	2412	1.94	-35.52	≤ -18.06	PASS
11G	Ant1	High	2462	2.25	-40.4	≤ -17.75	PASS
11N20SISO	Ant1	Low	2412	0.50	-34.17	≤ -19.5	PASS
11N20SISO	Ant1	High	2462	0.89	-40.76	≤ -19.11	PASS
11N40SISO	Ant1	Low	2422	-2.32	-39.85	≤ -22.32	PASS
11N40SISO	Ant1	High	2452	-1.82	-39.72	≤ -21.82	PASS

Test Graphs

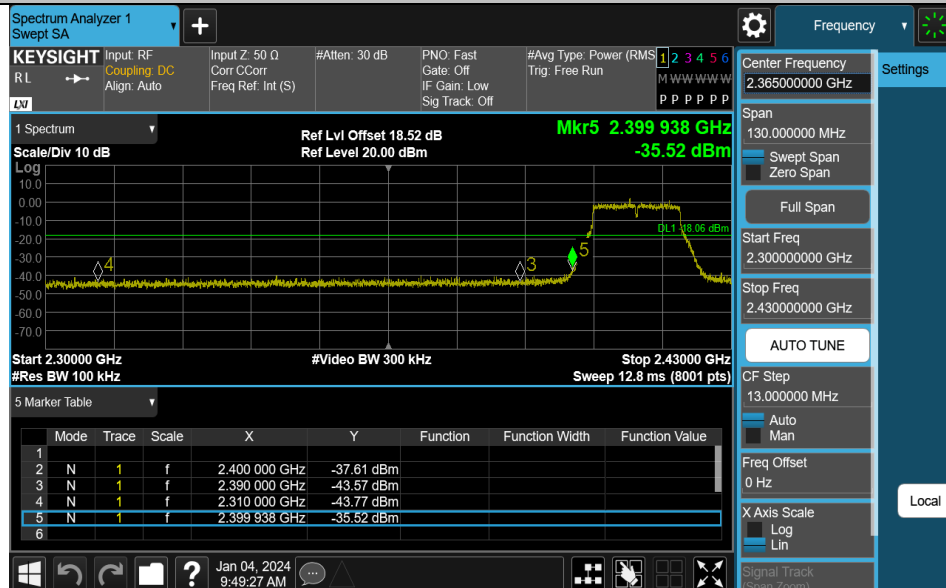
11B-Ant1-2412-PASS



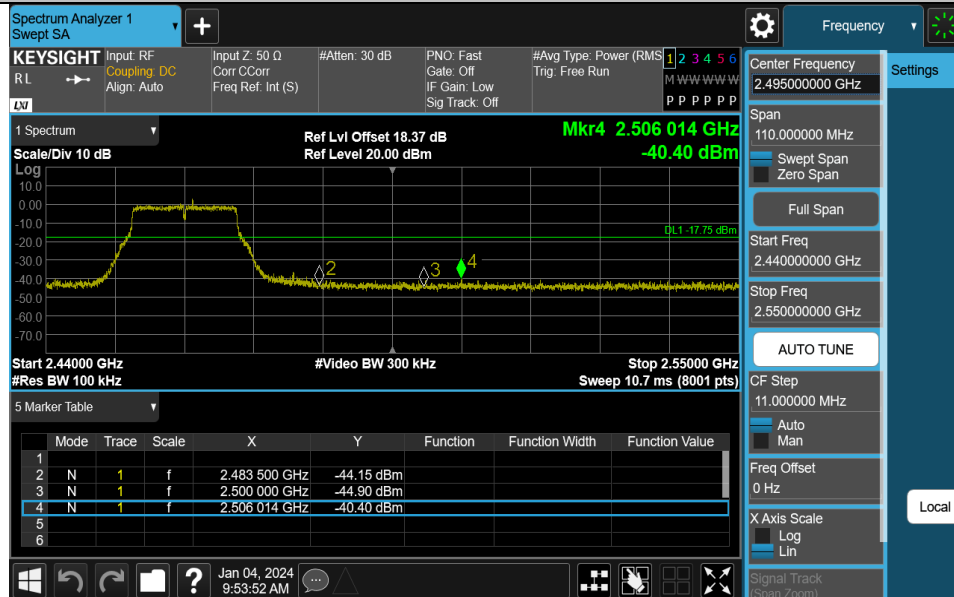
11B-Ant1-2462-PASS



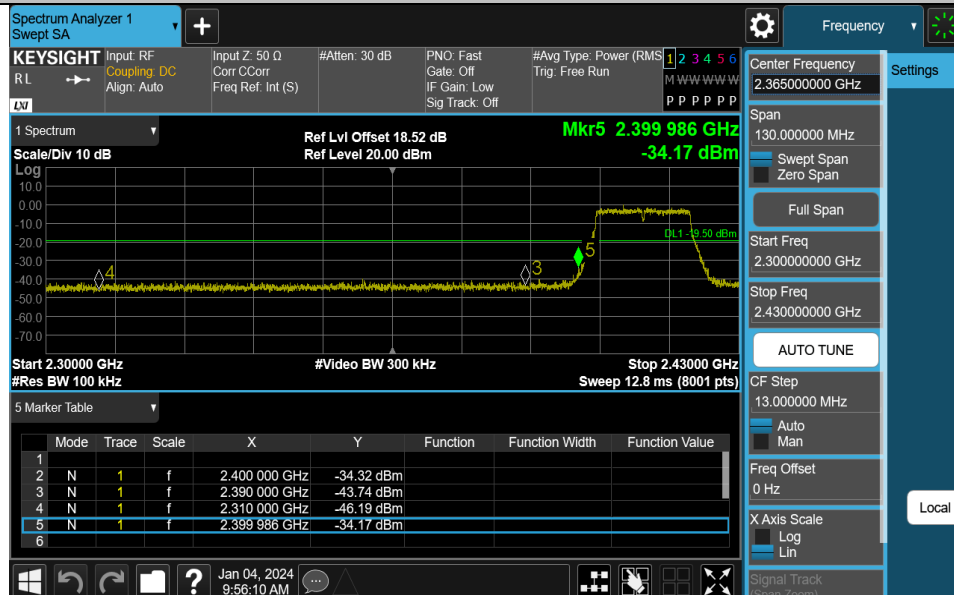
11G-Ant1-2412-PASS



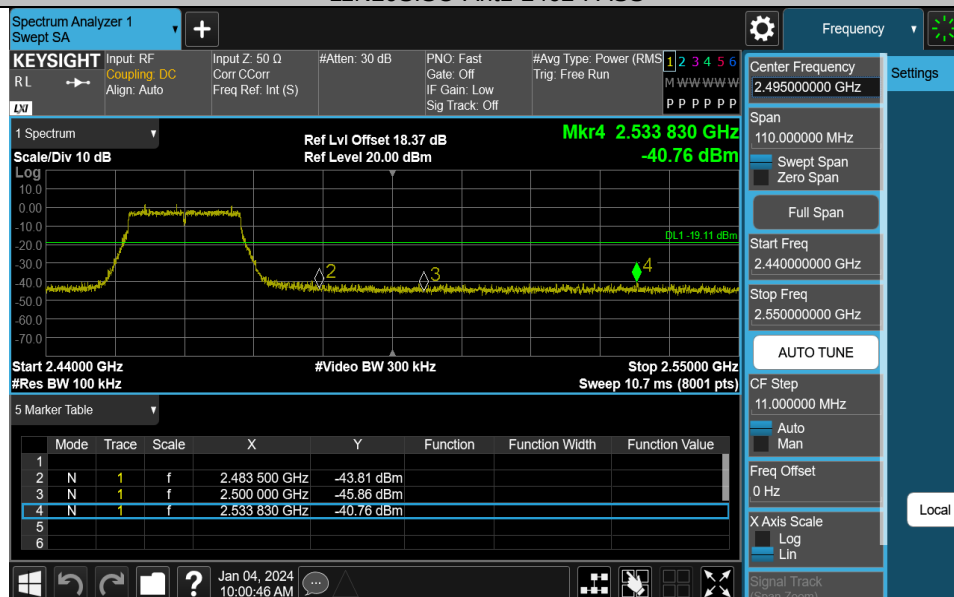
11G-Ant1-2462-PASS



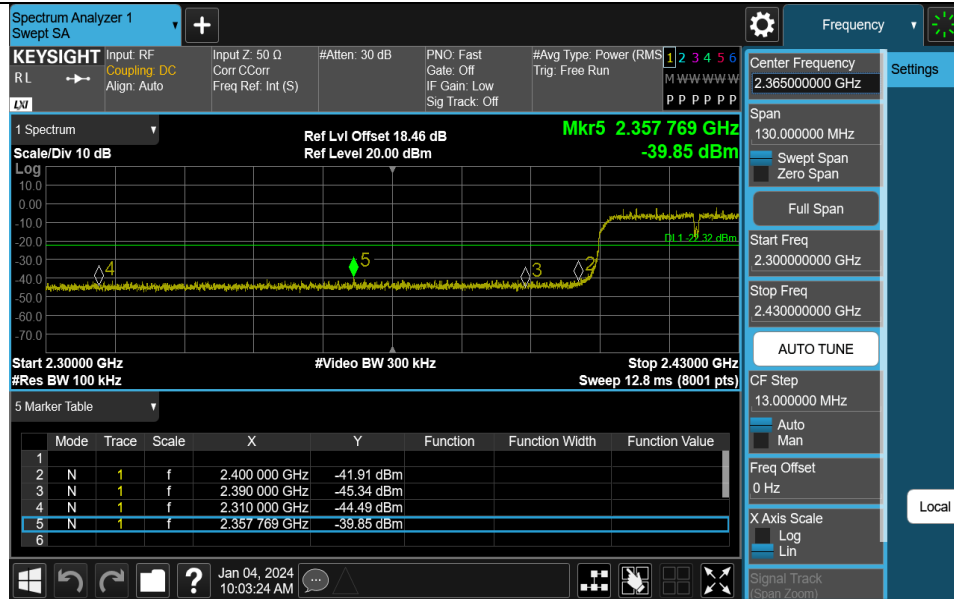
11N20SISO-Ant1-2412-PASS



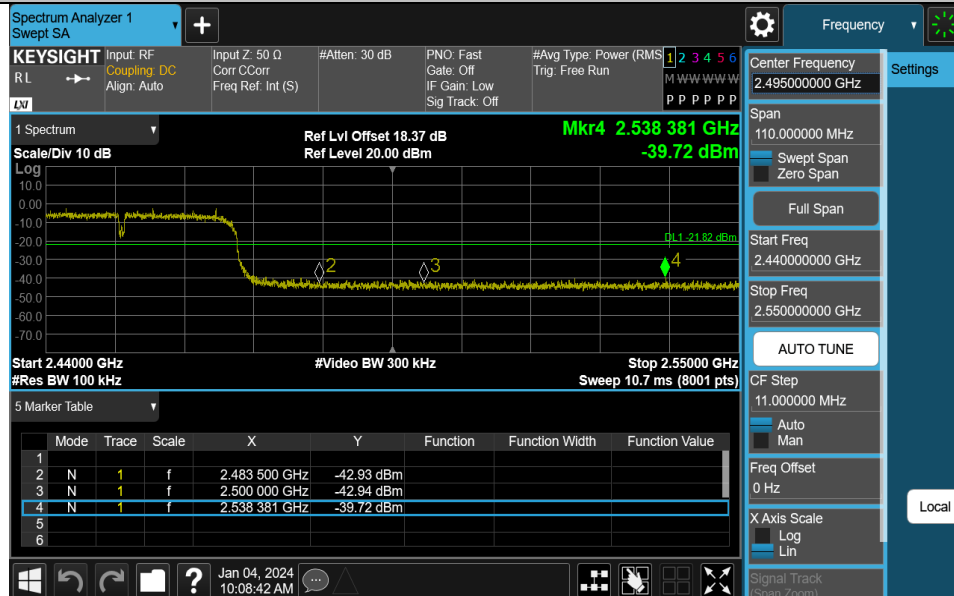
11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2452-PASS

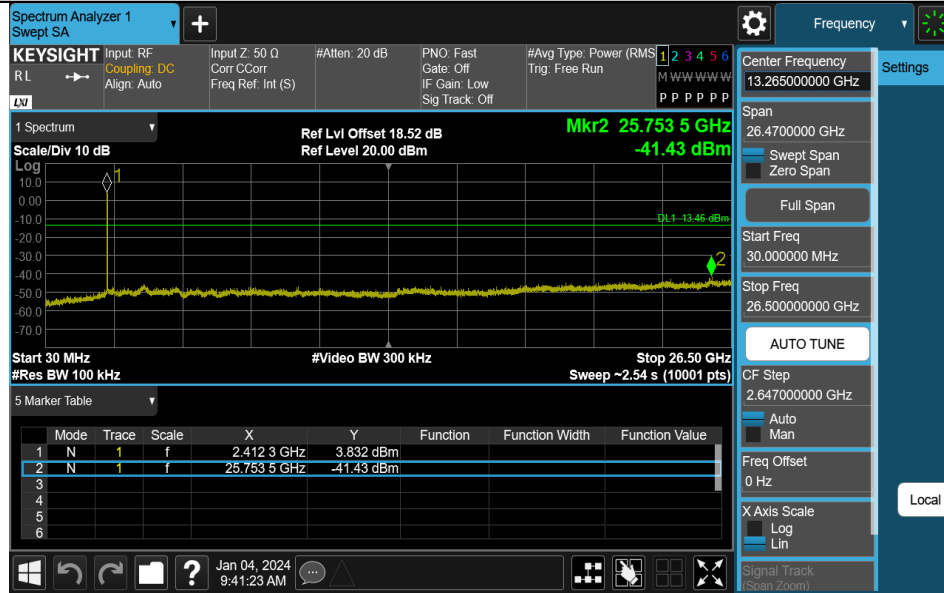


Appendix F: Conducted Spurious Emission Test Result

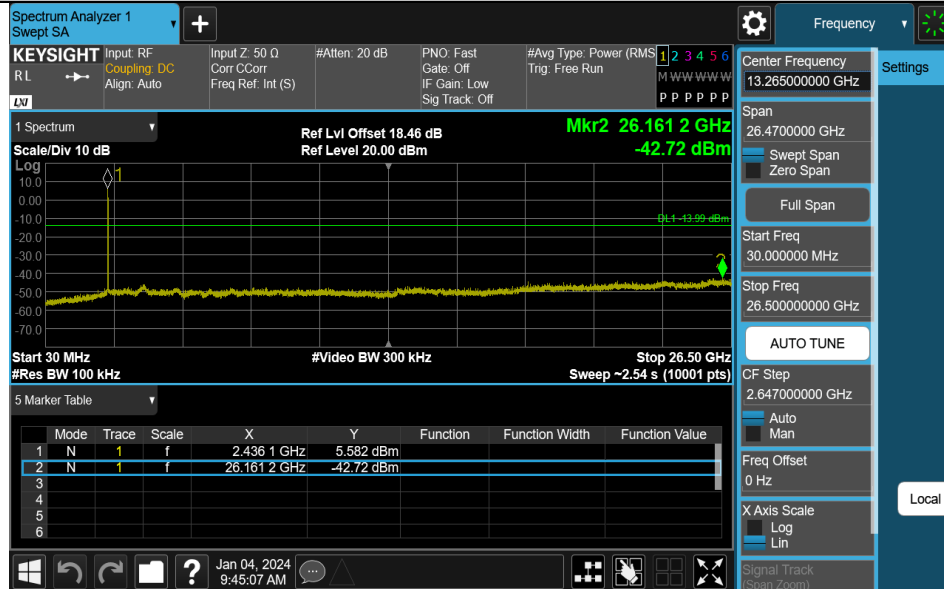
Test Mode	Antenna	Frequency[MHz]	Freq Range [Mhz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	30~26500	6.54	-41.43	≤-13.46	PASS
11B	Ant1	2437	30~26500	6.01	-42.72	≤-13.99	PASS
11B	Ant1	2462	30~26500	6.77	-42.96	≤-13.23	PASS
11G	Ant1	2412	30~26500	1.94	-42.61	≤-18.06	PASS
11G	Ant1	2437	30~26500	1.58	-42	≤-18.42	PASS
11G	Ant1	2462	30~26500	2.25	-42.77	≤-17.75	PASS
11N20SISO	Ant1	2412	30~26500	0.50	-42.26	≤-19.5	PASS
11N20SISO	Ant1	2437	30~26500	0.27	-42.95	≤-19.73	PASS
11N20SISO	Ant1	2462	30~26500	0.89	-42.29	≤-19.11	PASS
11N40SISO	Ant1	2422	30~26500	-2.32	-42.39	≤-22.32	PASS
11N40SISO	Ant1	2437	30~26500	-1.68	-42.31	≤-21.68	PASS
11N40SISO	Ant1	2452	30~26500	-1.82	-42.09	≤-21.82	PASS

Test Graphs

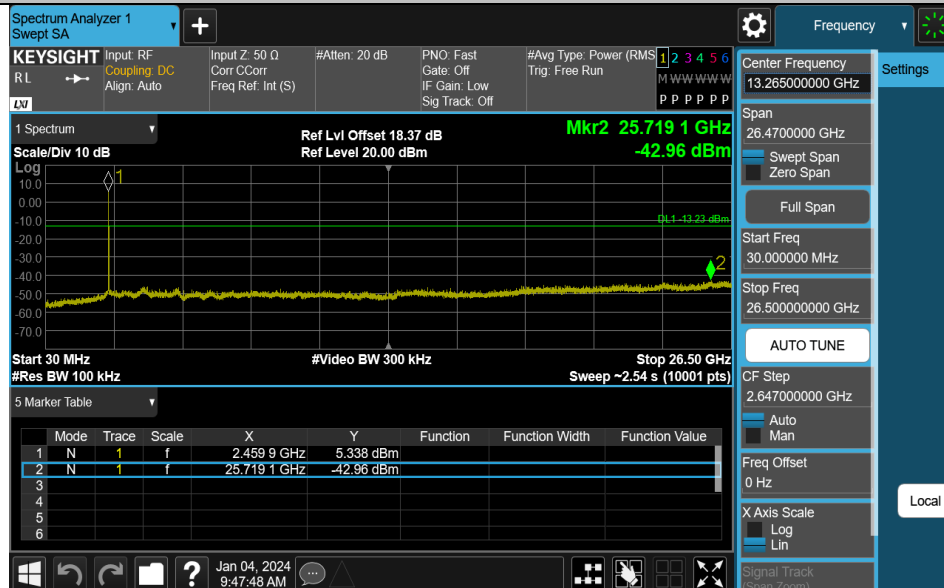
11B-Ant1-2412-30~26500-PASS



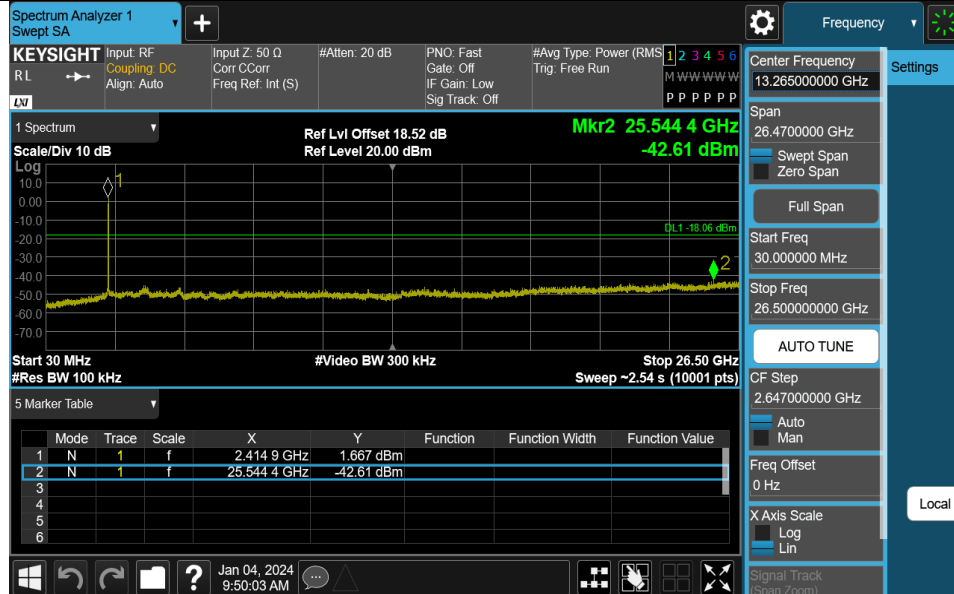
11B-Ant1-2437-30~26500-PASS



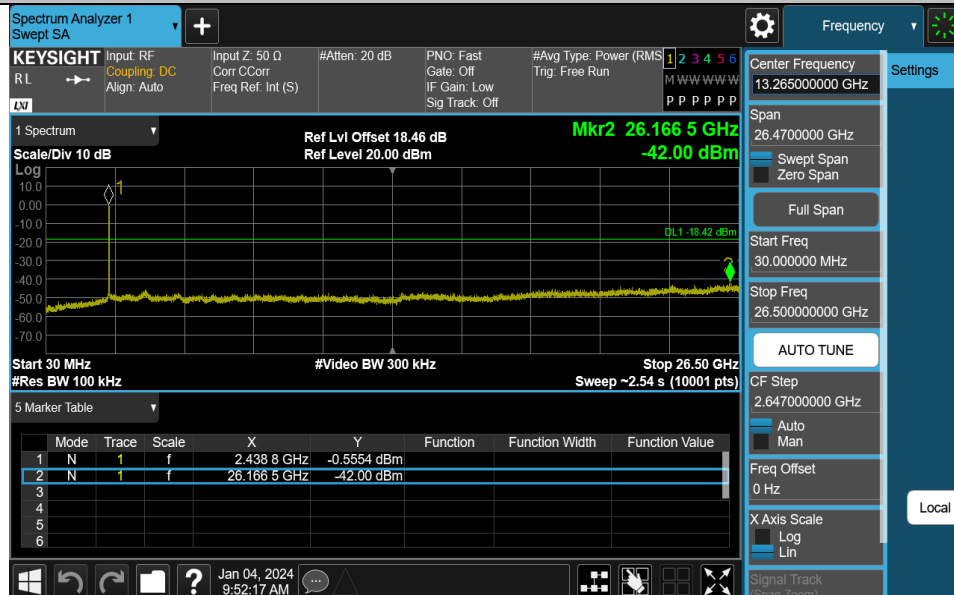
11B-Ant1-2462-30~26500-PASS



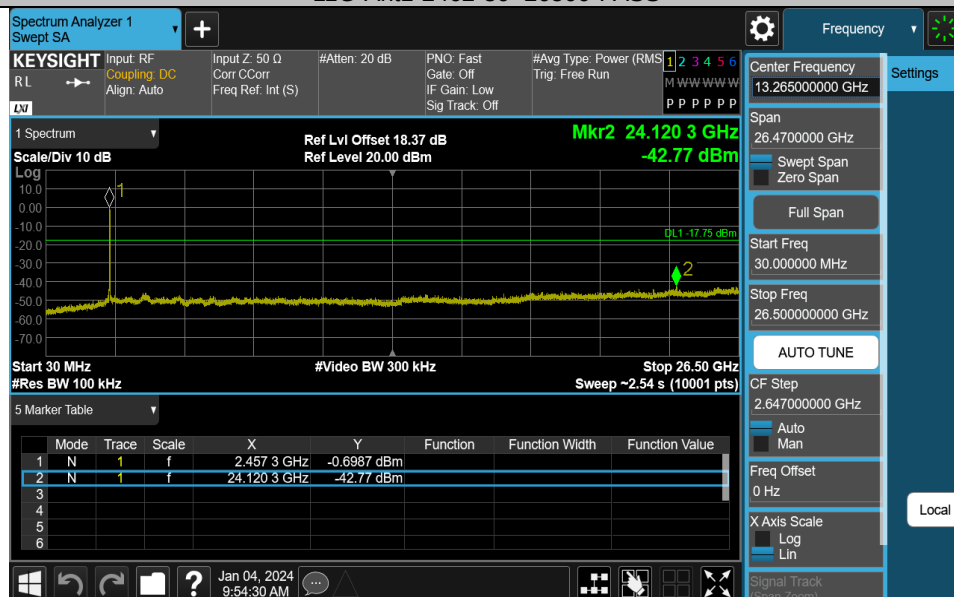
11G-Ant1-2412-30~26500-PASS



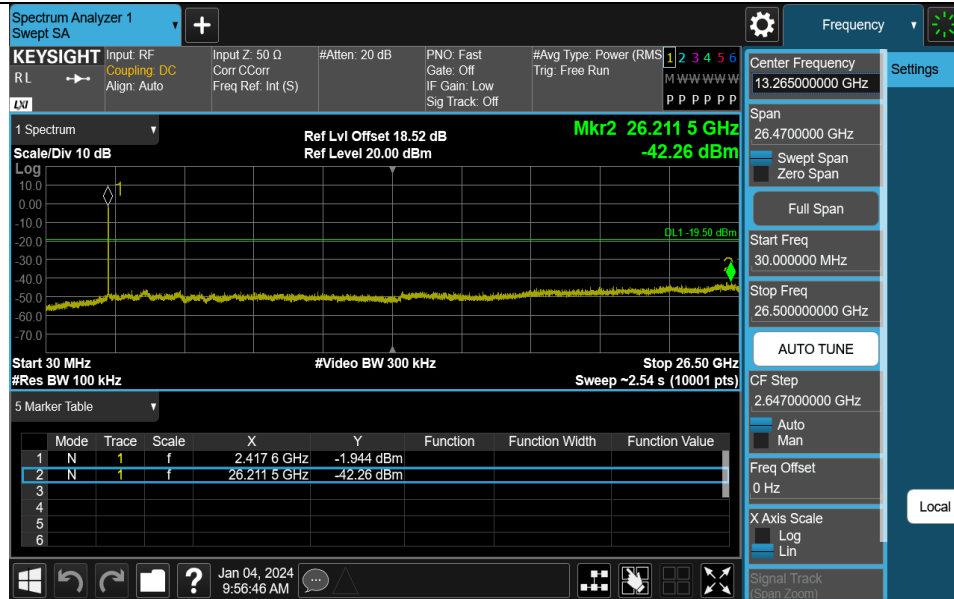
11G-Ant1-2437-30~26500-PASS



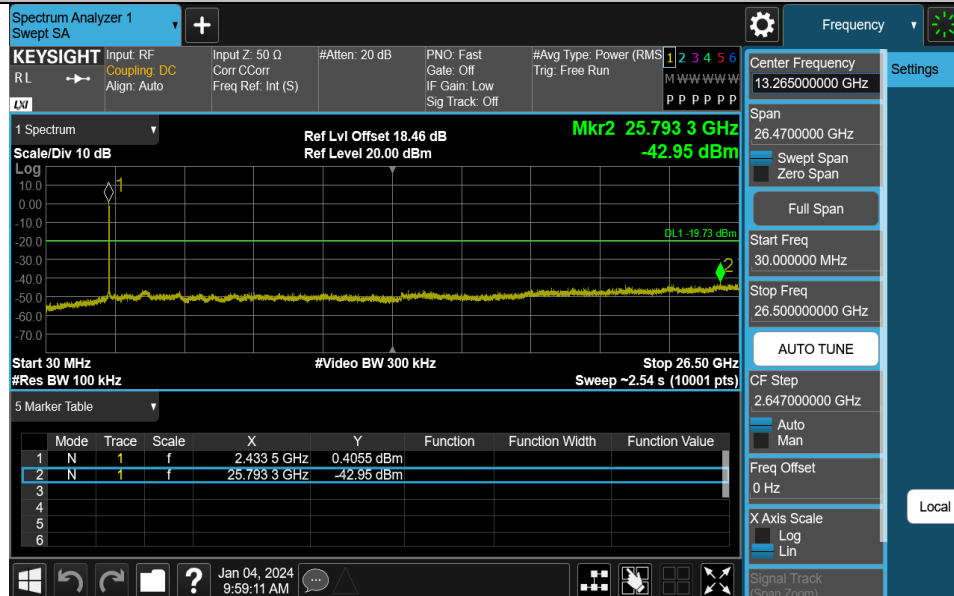
11G-Ant1-2462-30~26500-PASS



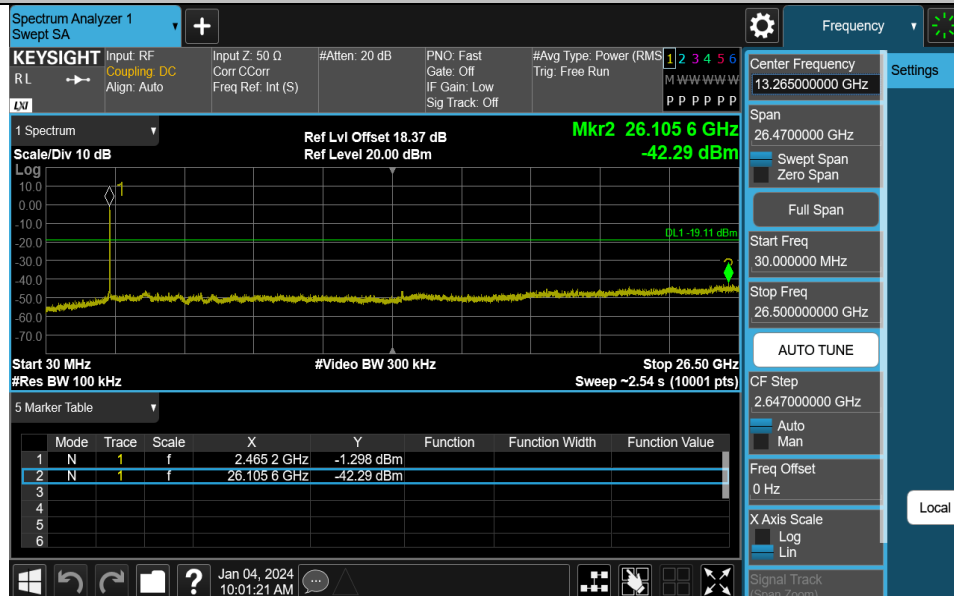
11N20SISO-Ant1-2412-30~26500-PASS



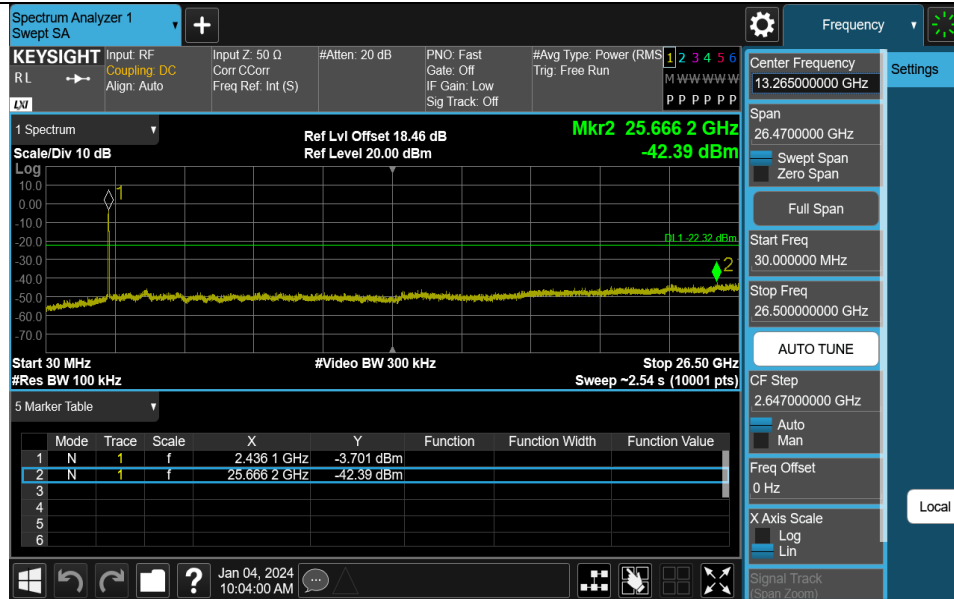
11N20SISO-Ant1-2437-30~26500-PASS



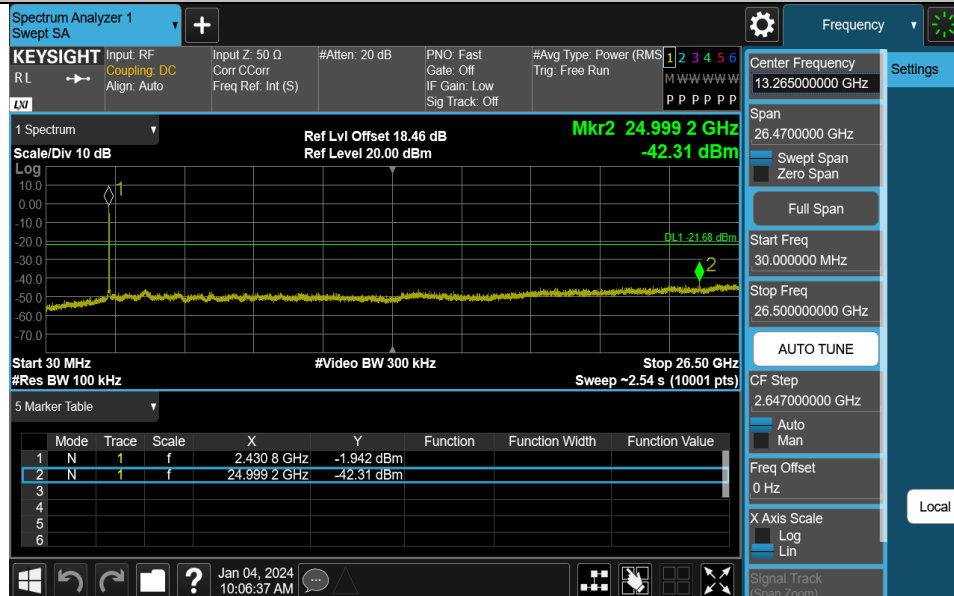
11N20SISO-Ant1-2462-30~26500-PASS



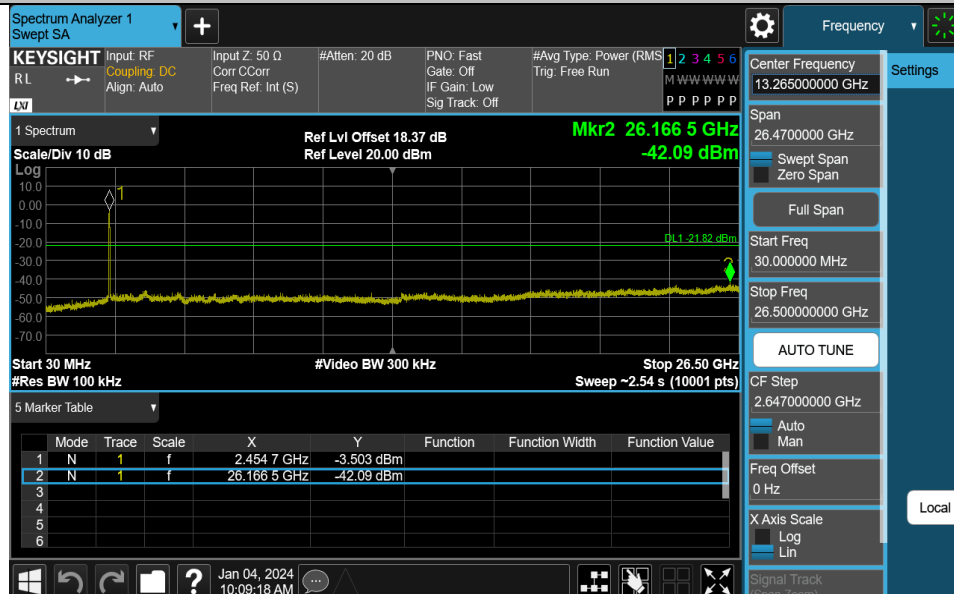
11N40SISO-Ant1-2422-30~26500-PASS



11N40SISO-Ant1-2437-30~26500-PASS



11N40SISO-Ant1-2452-30~26500-PASS

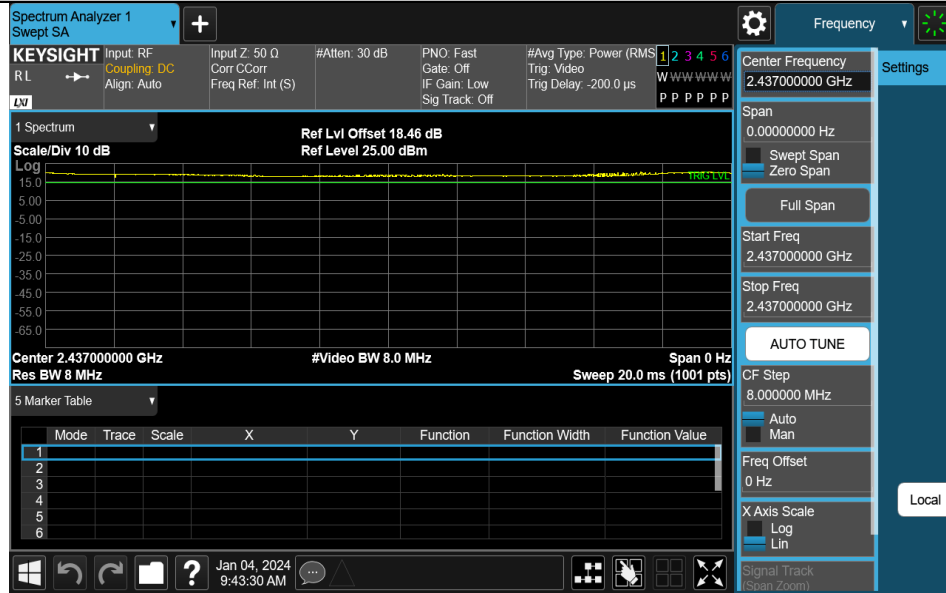


Appendix G: Duty Cycle Test Result

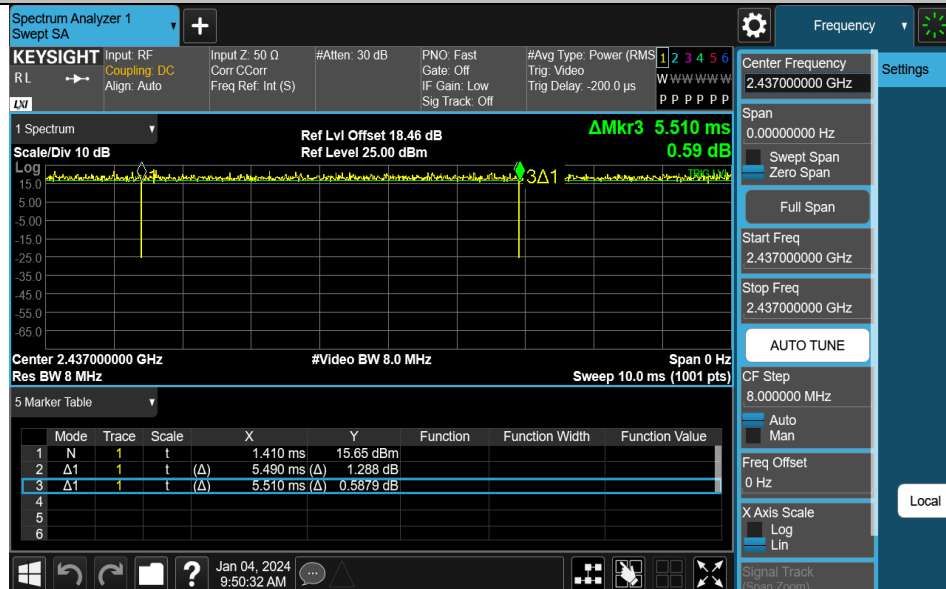
Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	Ant1	2437	20.00	20.00	100.00
11G	Ant1	2437	5.49	5.51	99.64
11N20SISO	Ant1	2437	5.07	5.10	99.41
11N40SISO	Ant1	2437	2.47	2.50	98.80

Test Graphs

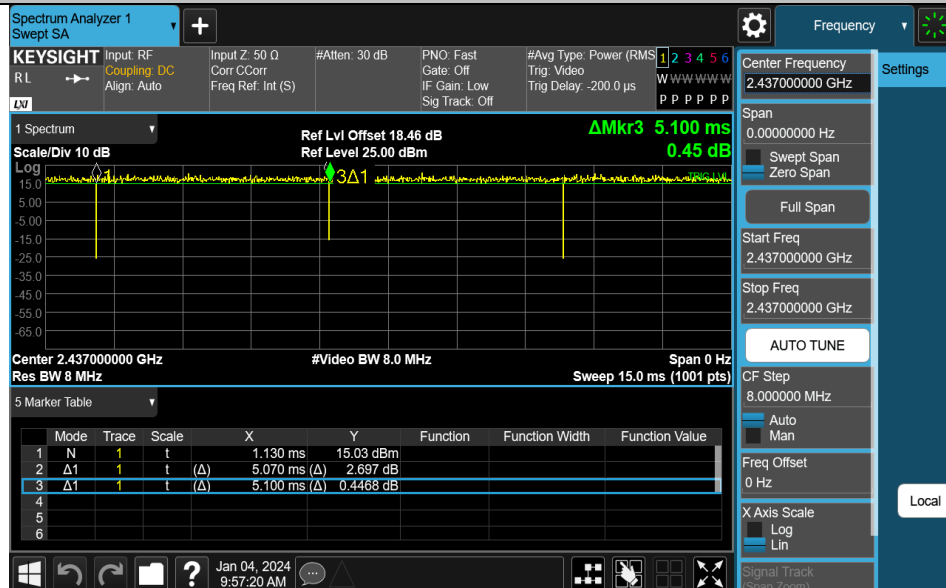
NTNV-11B-Ant1-2437



NTNV-11G-Ant1-2437

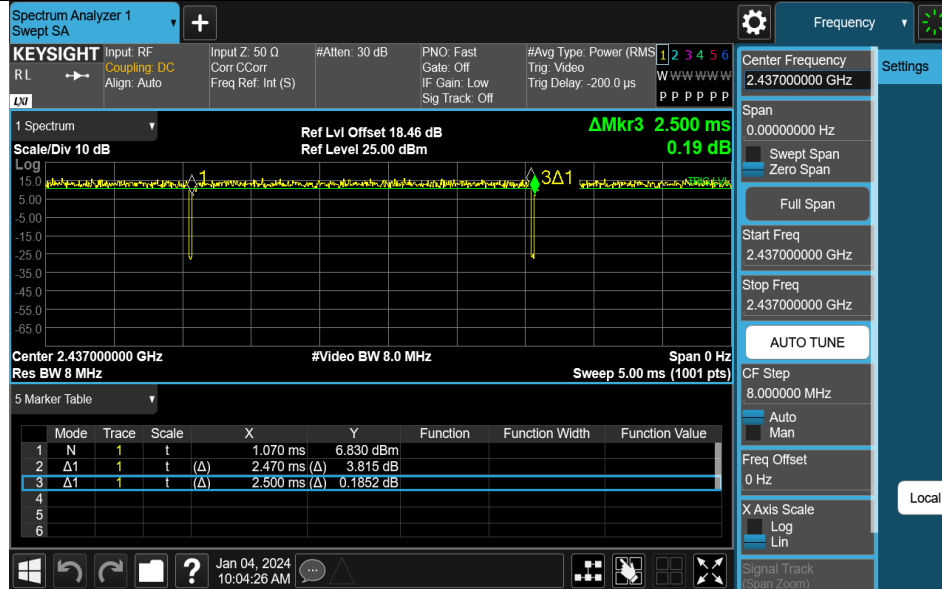


NTNV-11N20SISO-Ant1-2437





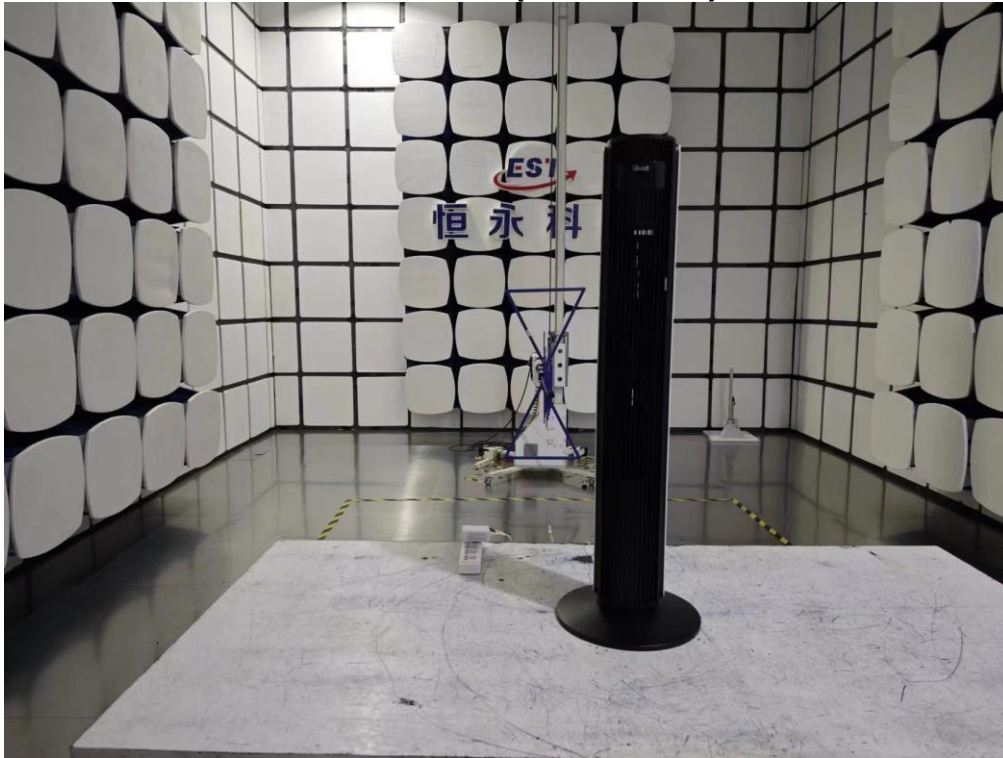
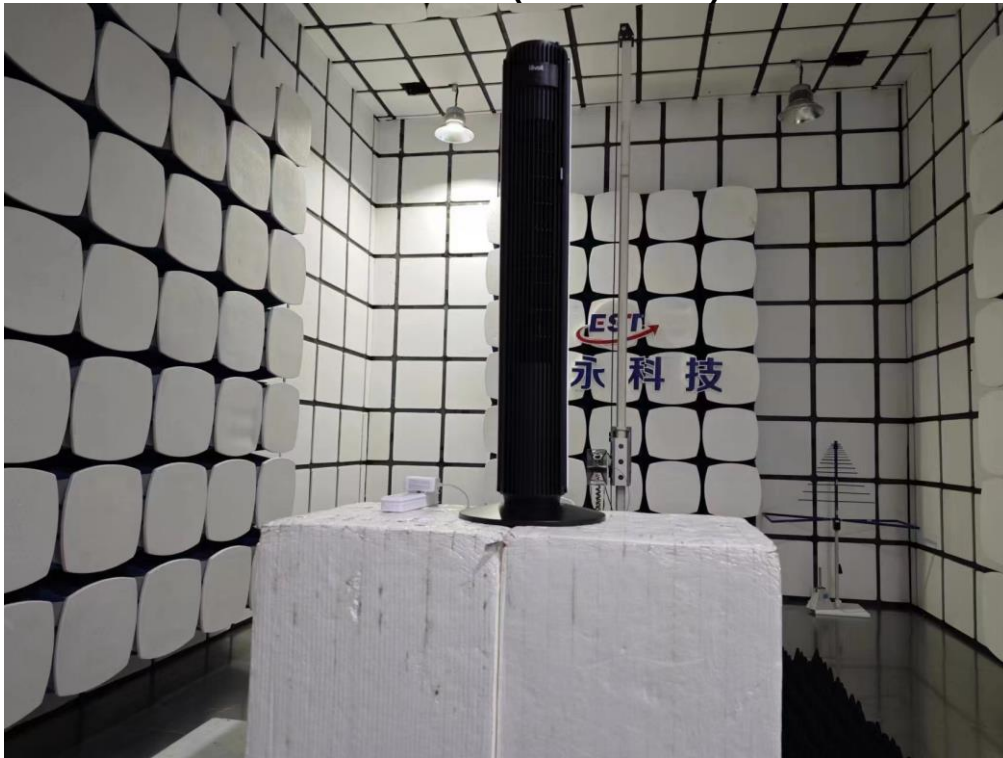
NTNV-11N40SISO-Ant1-2437



12. TEST SETUP PHOTO

Conducted Test



Radiated Test (Below 1GHz)**Radiated Test (Above 1GHz)**

13. EUT PHOTO

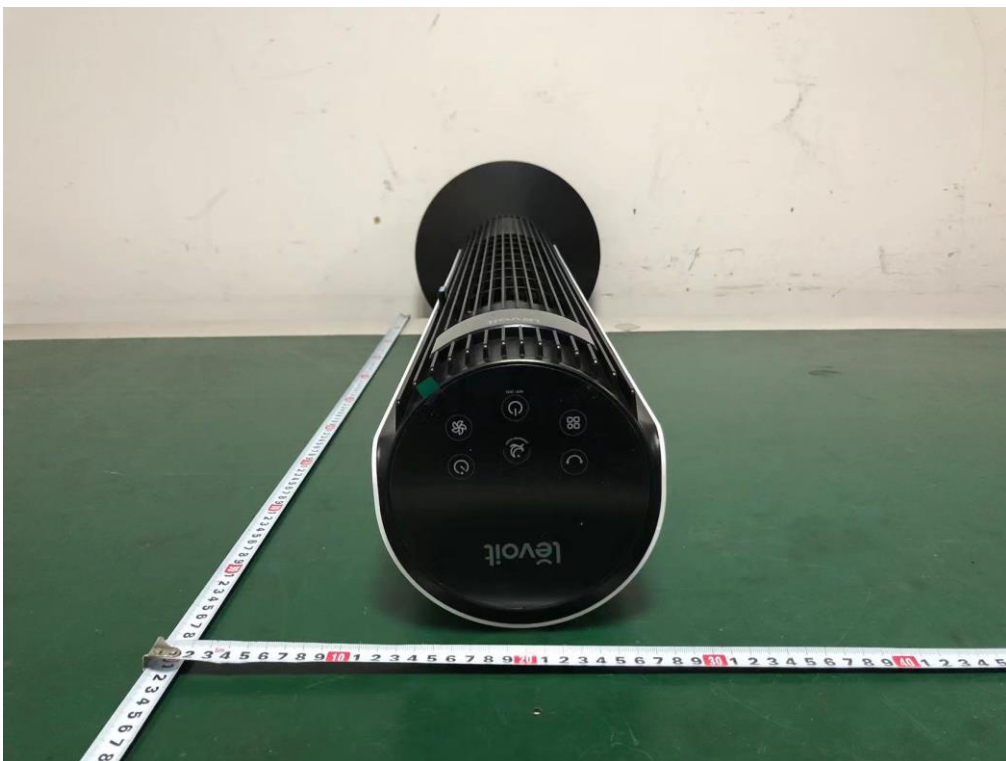
External Photos
M/N: LTF-F422S-WUSR



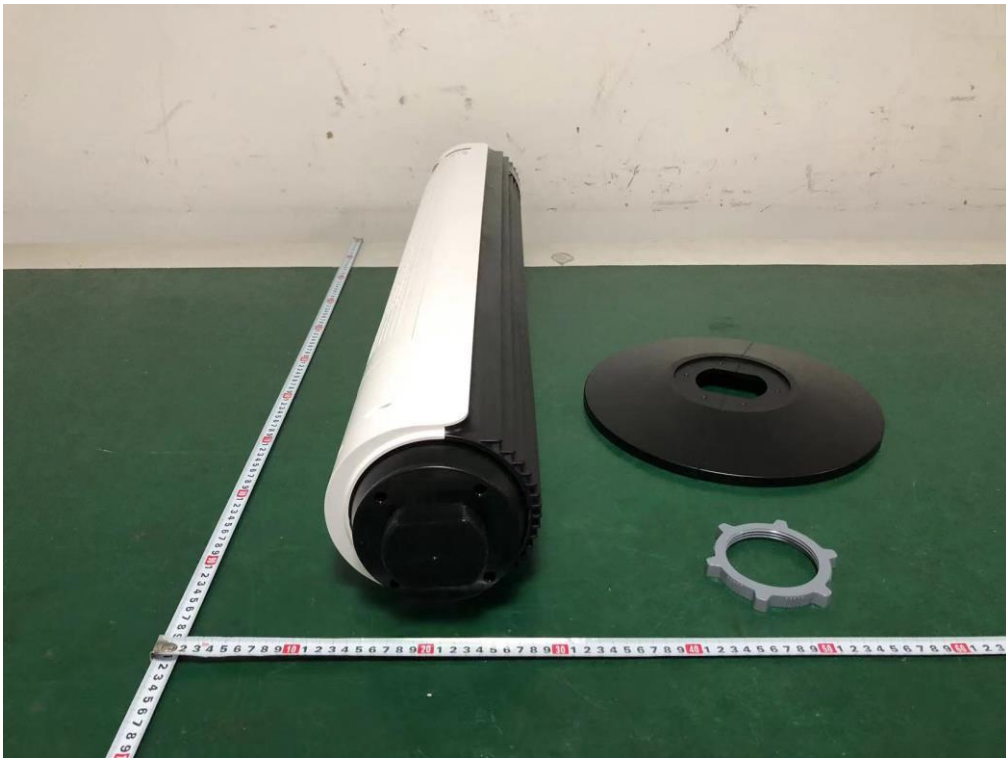
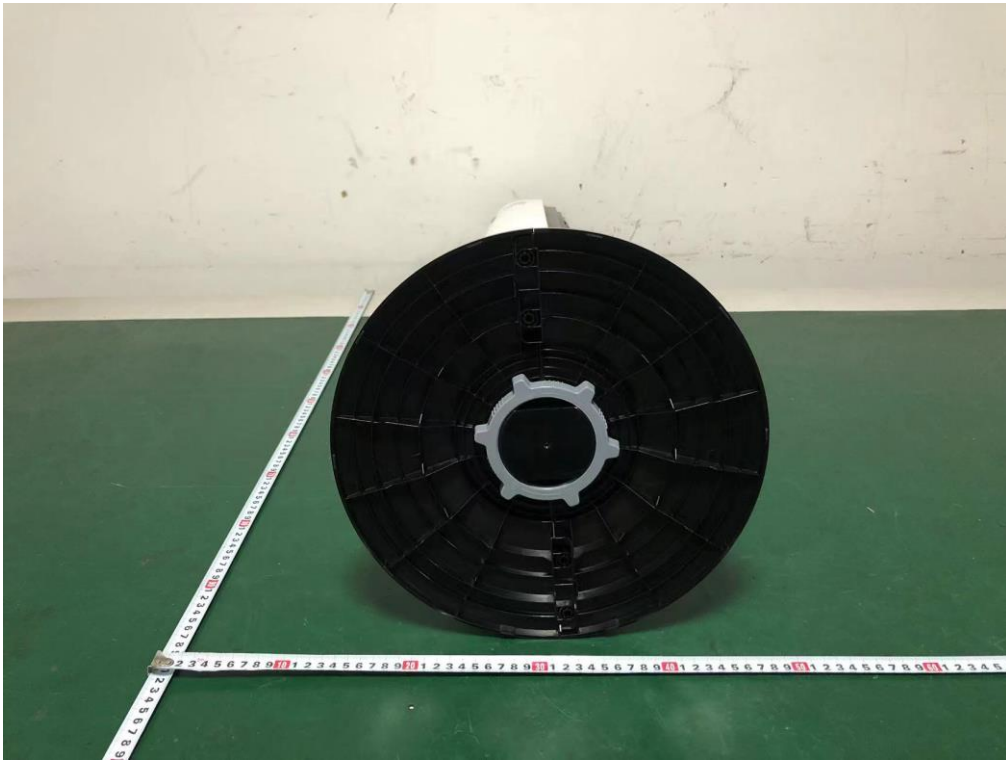
External Photos
M/N: LTF-F422S-WUSR



External Photos
M/N: LTF-F422S-WUSR



External Photos
M/N: LTF-F422S-WUSR



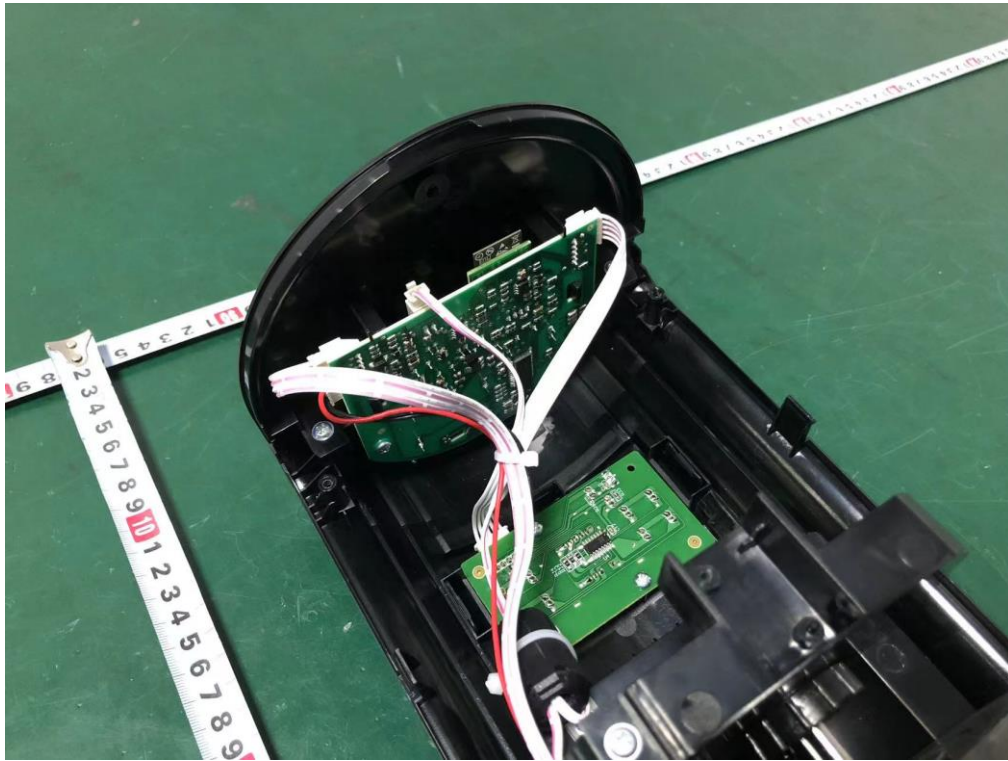
External Photos
M/N: LTF-F422S-WUSR



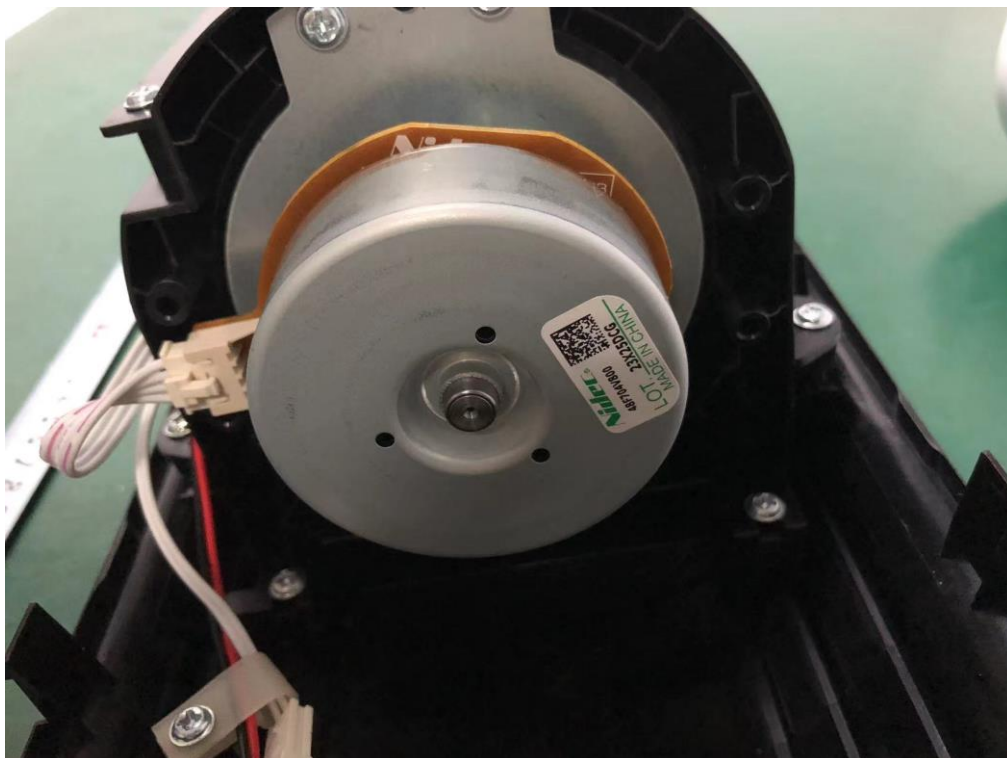
Internal Photos
M/N: LTF-F422S-WUSR



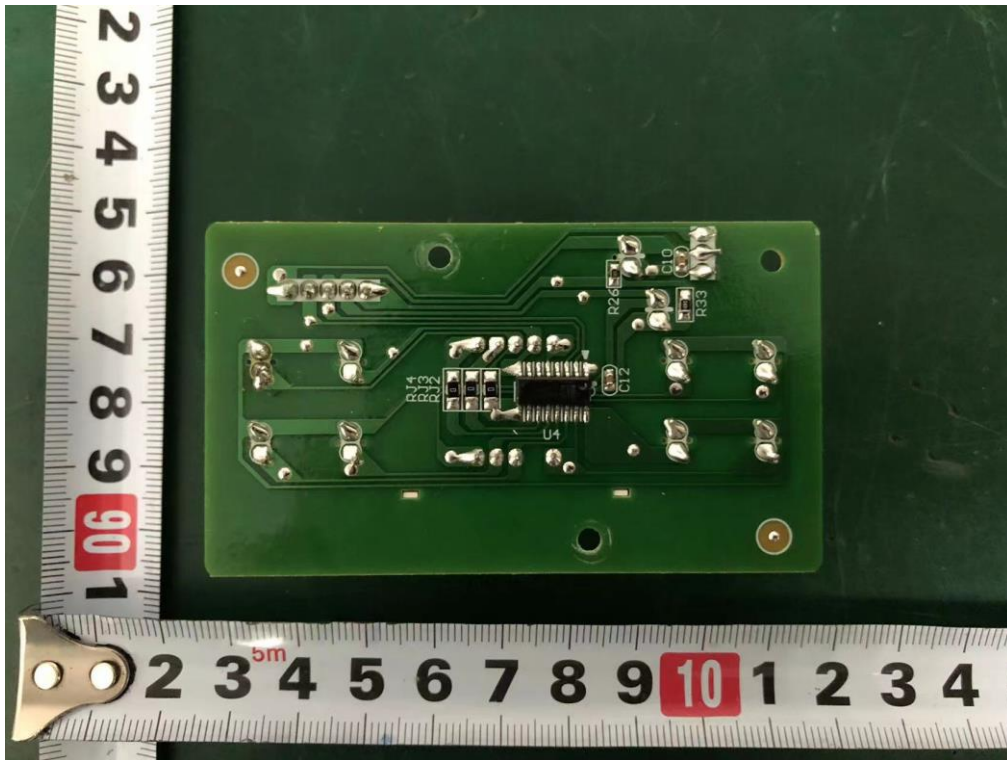
Internal Photos
M/N: LTF-F422S-WUSR



Internal Photos M/N: LTF-F422S-WUSR

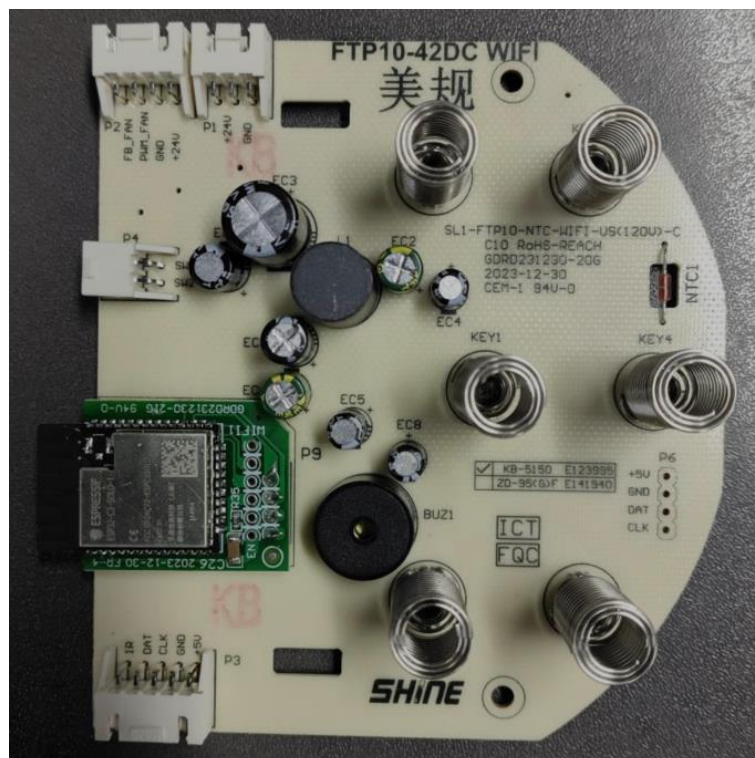
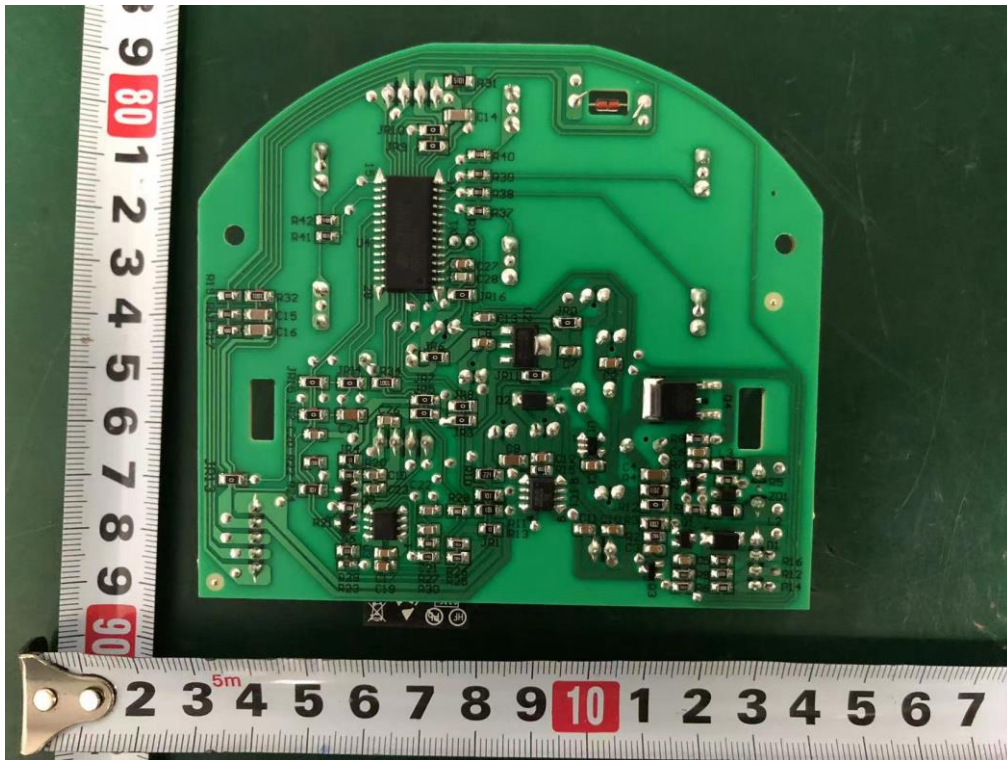


Internal Photos M/N: LTF-F422S-WUSR



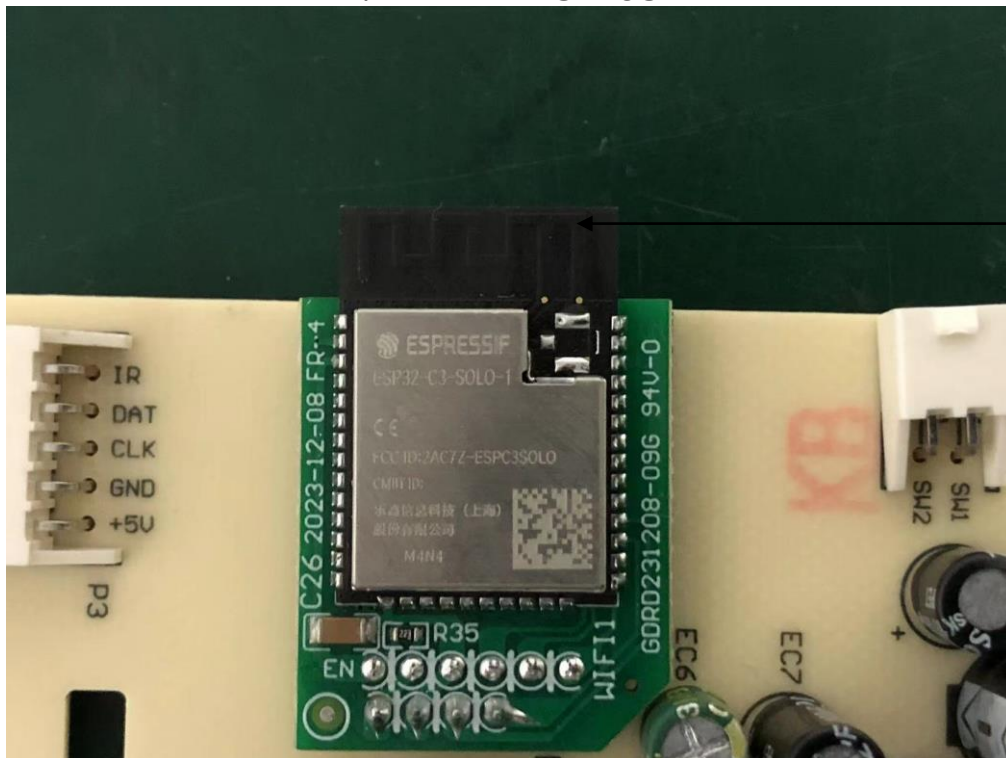
Internal Photos

M/N: LTF-F422S-WUSR

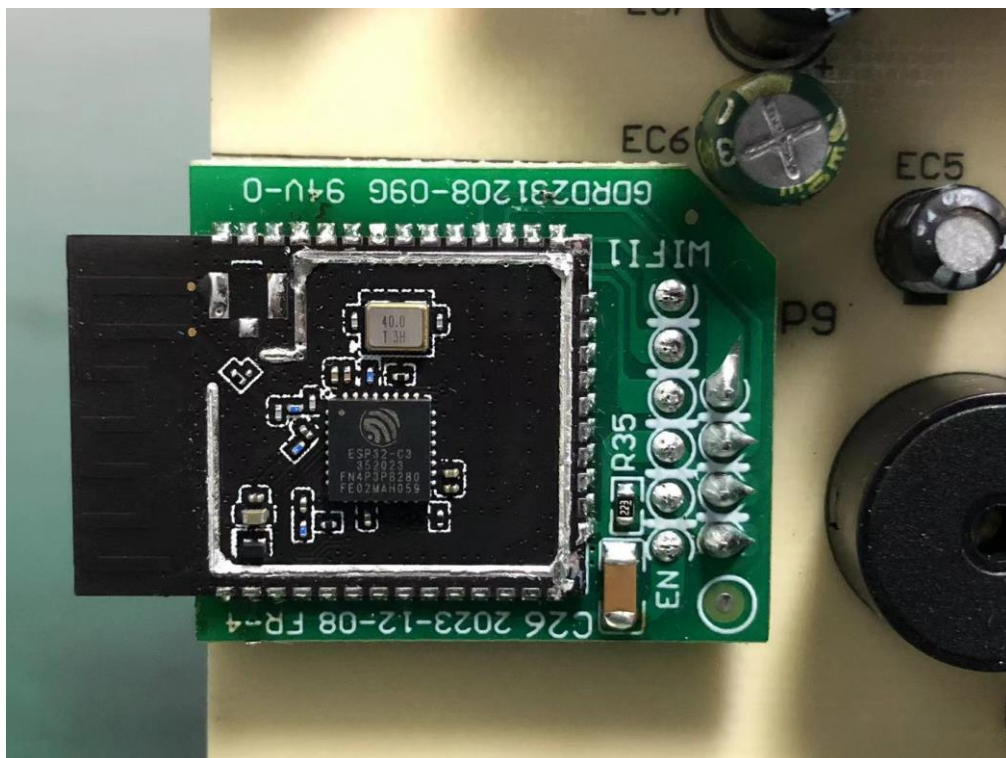


Internal Photos

M/N: LTF-F422S-WUSR



Antenna



End of Test Report