

<b>Case No. :</b> <u>GTS20231020001-1-83</u>
<b>Ambient Condition:</b> <u>24 °C, 48 %RH,</u>
<b>Test Date:</b> <u>2024.1.12</u> <b>Test Engineer:</b> <u>Evan ouyang</u>

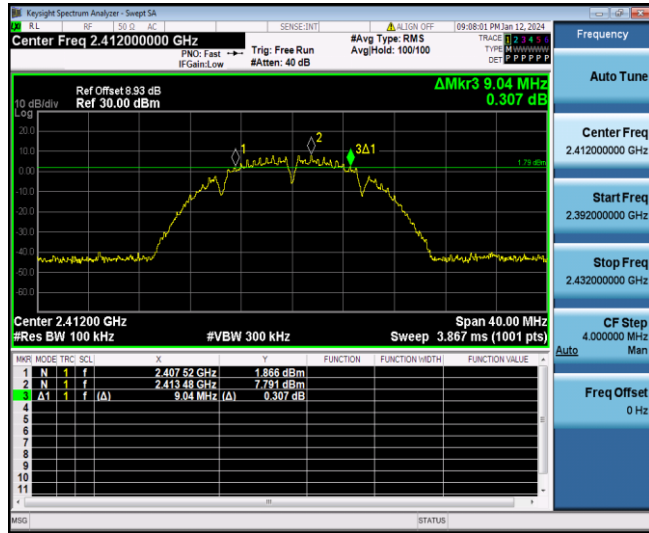
## Appendix B.1: DTS Bandwidth

### Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.040	2407.520	2416.560	0.5	PASS
		2437	9.000	2432.480	2441.480	0.5	PASS
		2462	9.080	2457.440	2466.520	0.5	PASS
11G	Ant1	2412	15.800	2404.120	2419.920	0.5	PASS
		2437	16.480	2428.760	2445.240	0.5	PASS
		2462	16.480	2453.760	2470.240	0.5	PASS
11N20SISO	Ant1	2412	17.760	2403.120	2420.880	0.5	PASS
		2437	17.760	2428.120	2445.880	0.5	PASS
		2462	17.720	2453.120	2470.840	0.5	PASS

Test Graphs

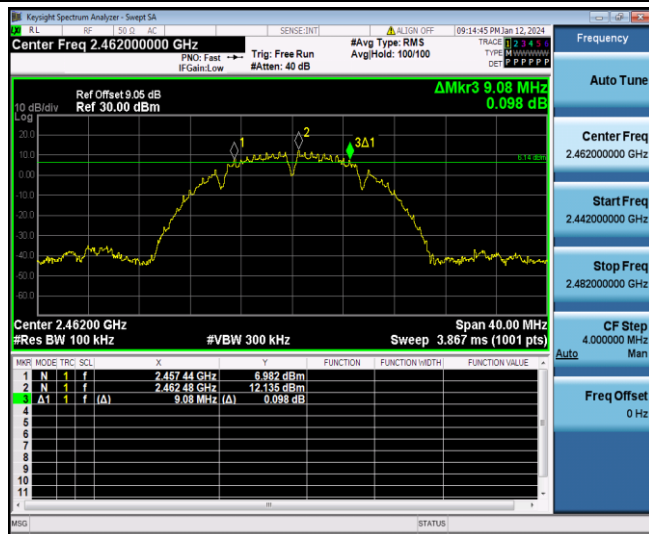
11B\_Ant1\_2412



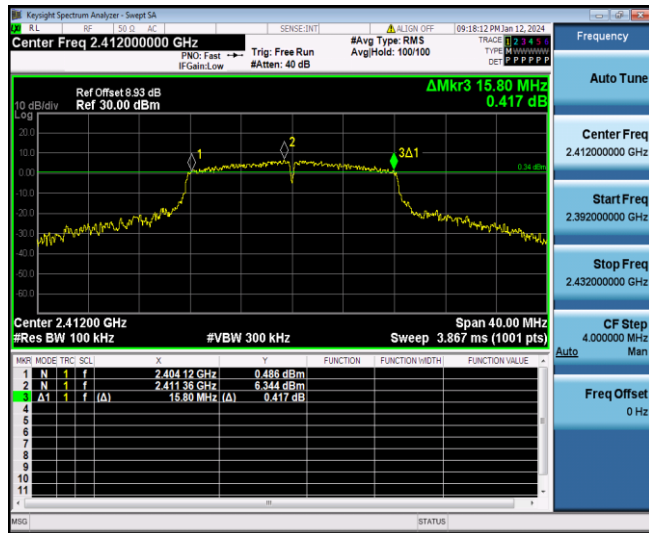
11B\_Ant1\_2437



11B\_Ant1\_2462



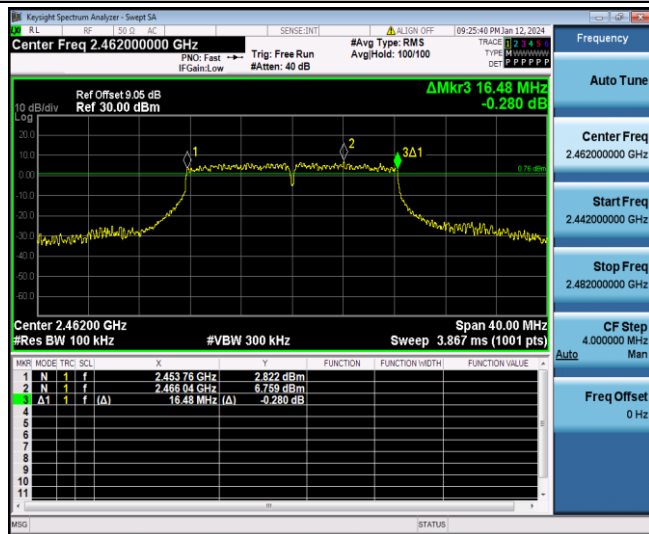
11G\_Ant1\_2412



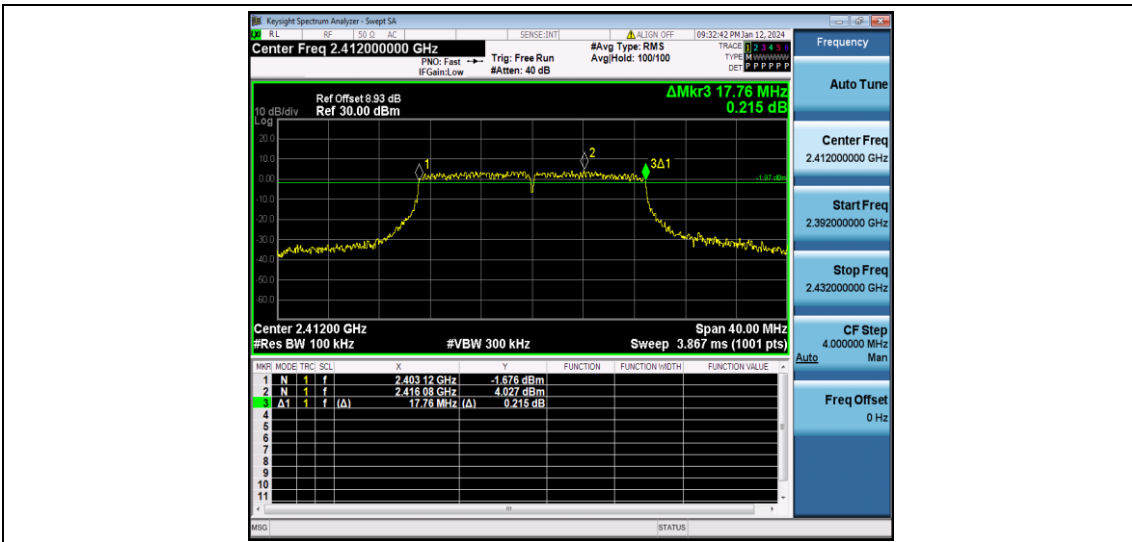
11G\_Ant1\_2437



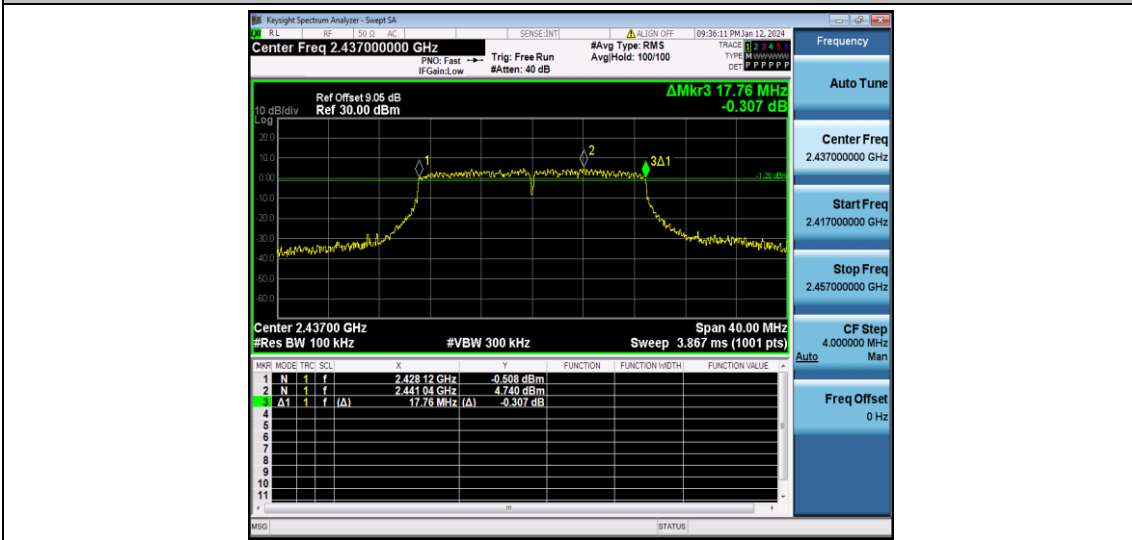
11G\_Ant1\_2462



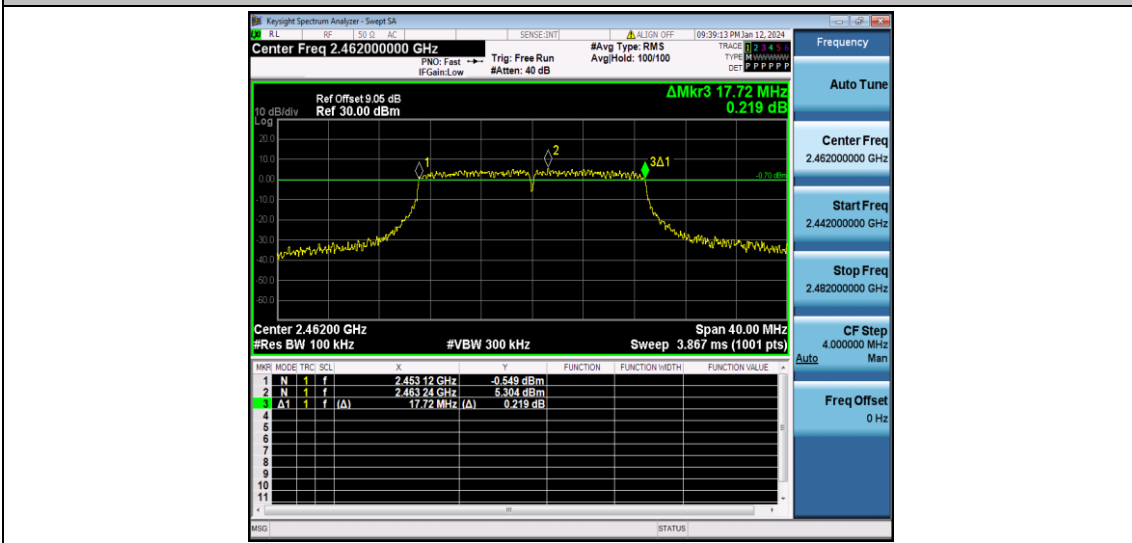
11N20SISO\_Ant1\_2412



11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462



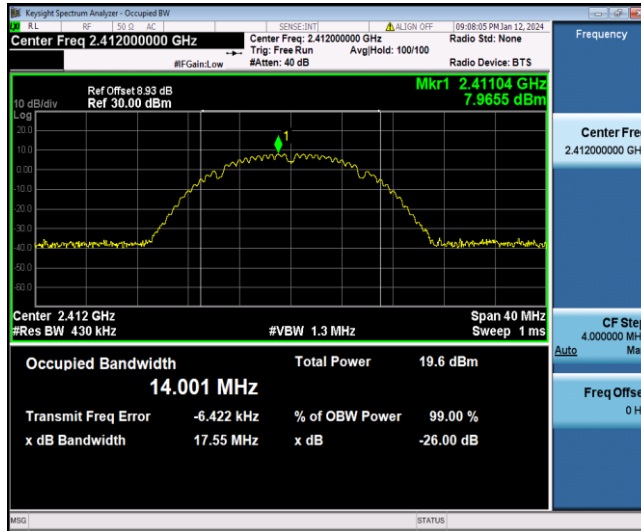
## Appendix B.2: Occupied Channel Bandwidth

### Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.001	2404.9931	2418.9941	---	---
		2437	13.962	2430.0667	2444.0287	---	---
		2462	13.940	2455.0283	2468.9683	---	---
11G	Ant1	2412	16.705	2403.6199	2420.3249	---	---
		2437	16.828	2428.6131	2445.4411	---	---
		2462	16.801	2453.5834	2470.3844	---	---
11N20SISO	Ant1	2412	17.859	2403.0421	2420.9011	---	---
		2437	17.858	2428.0863	2445.9443	---	---
		2462	17.837	2453.0537	2470.8907	---	---

Test Graphs

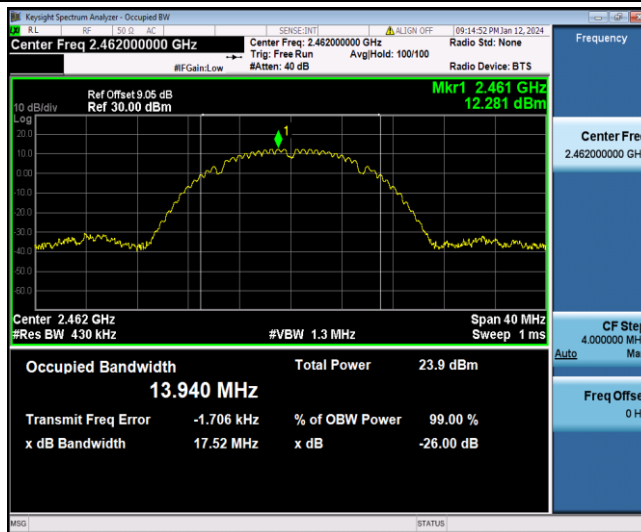
11B\_Ant1\_2412



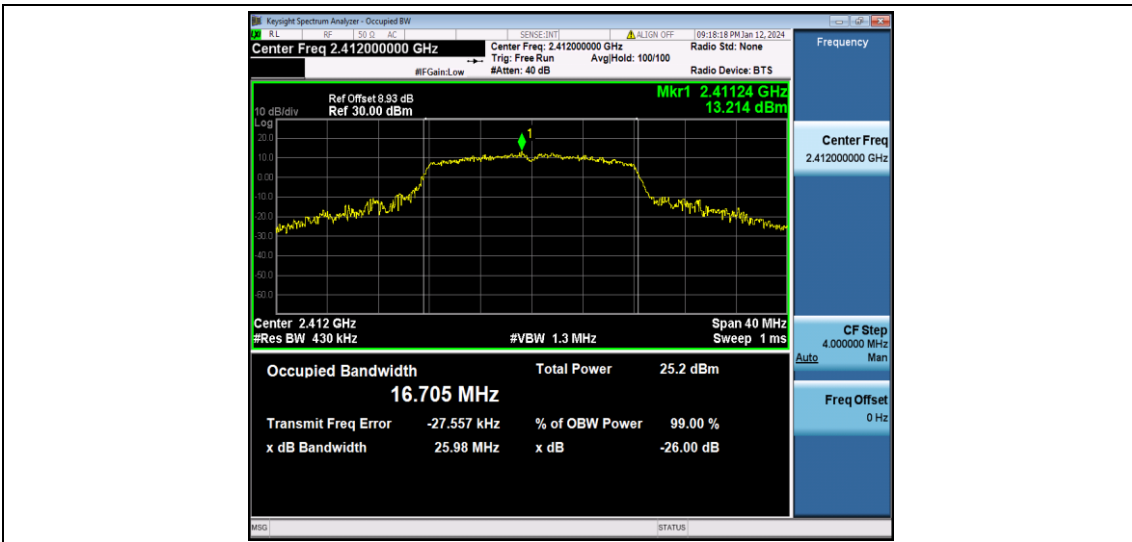
11B\_Ant1\_2437



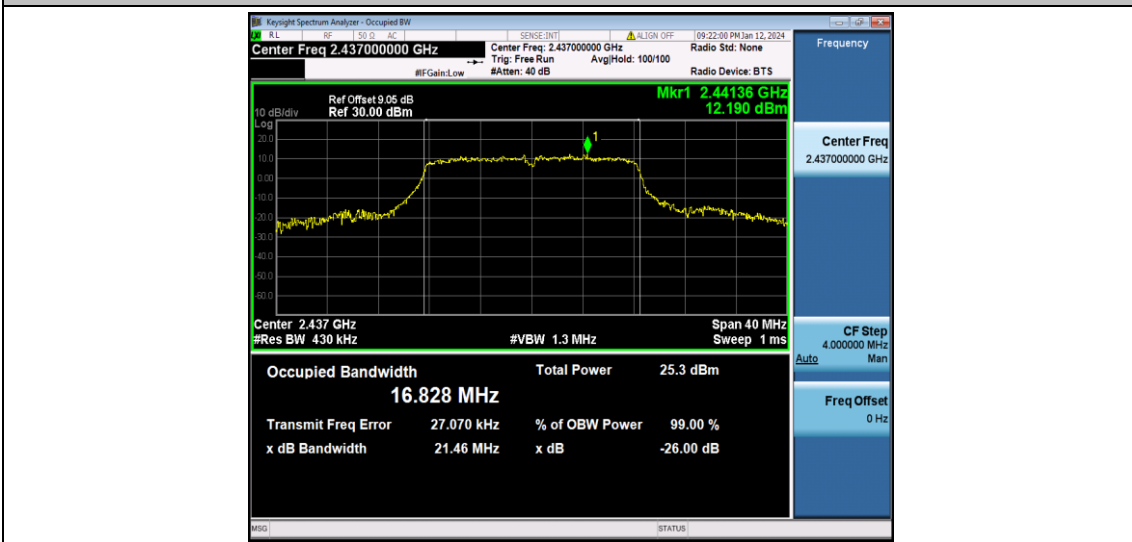
11B\_Ant1\_2462



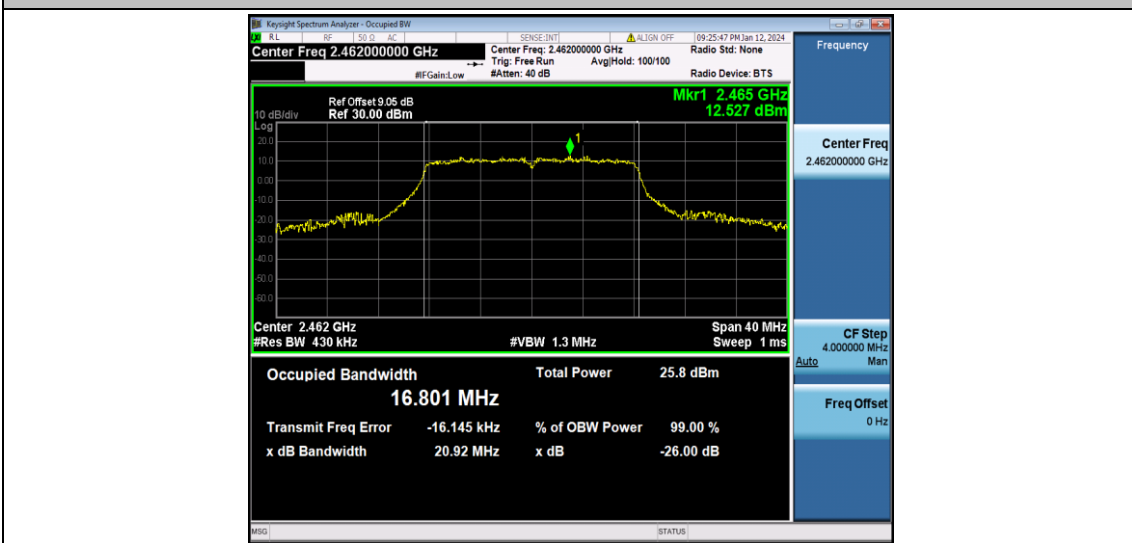
11G\_Ant1\_2412



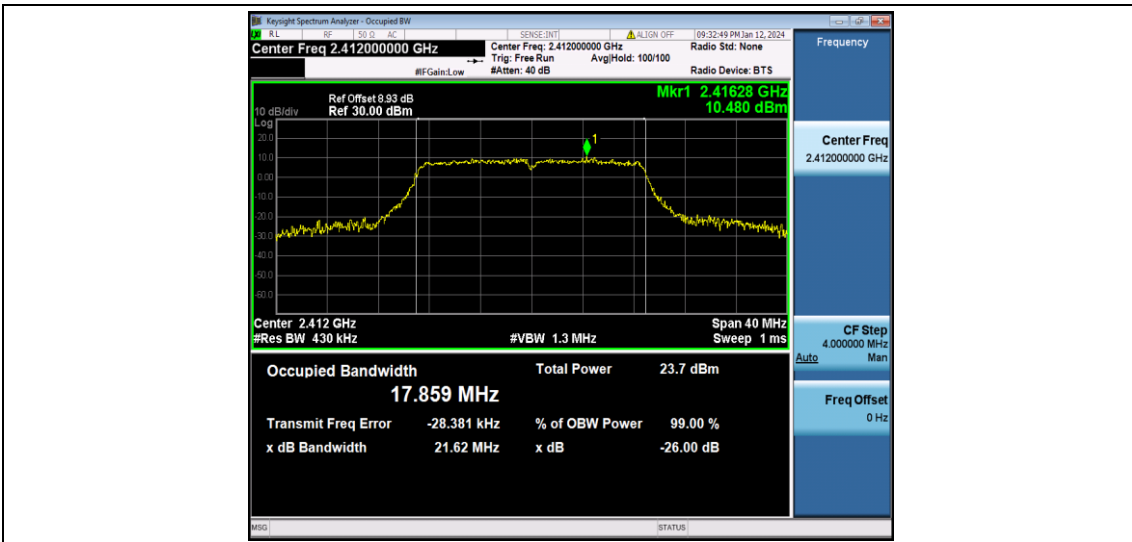
11G\_Ant1\_2437



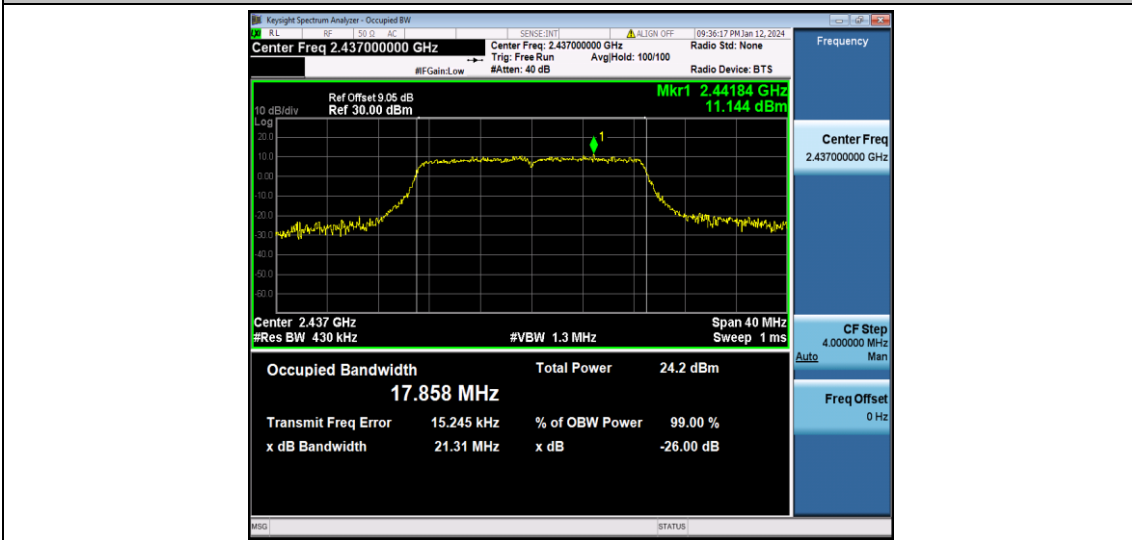
11G\_Ant1\_2462



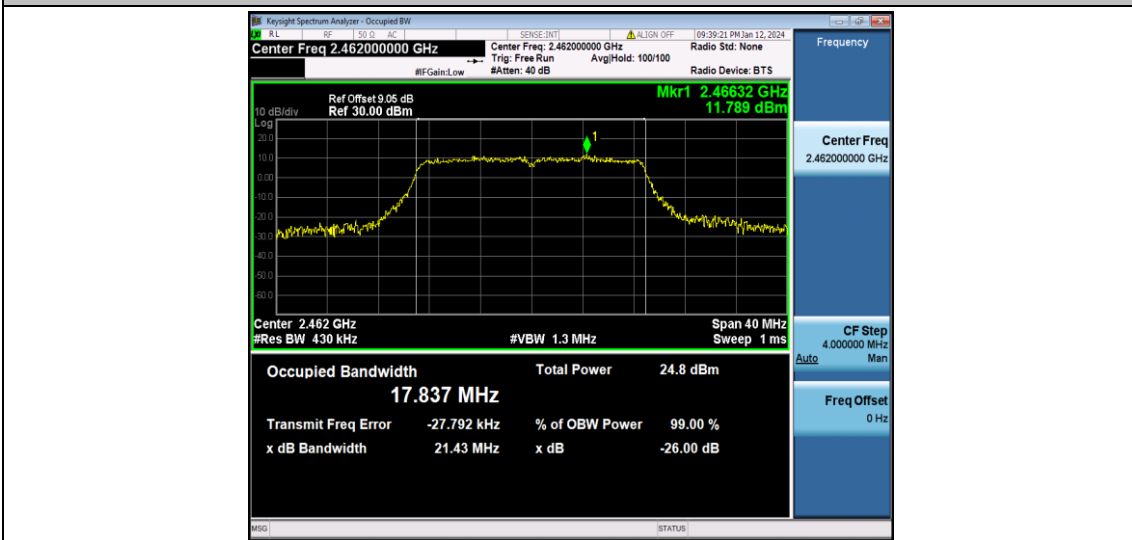
11N20SISO\_Ant1\_2412



11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462





## Appendix B.3: Maximum conducted output power

### Test Result

#### Omni Antenna:

TestMode	Antenna	Frequency[M Hz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	22.72	≤30.00	PASS
		2437	22.17	≤30.00	PASS
		2462	23.99	≤30.00	PASS
11G	Ant1	2412	22.29	≤30.00	PASS
		2437	23.56	≤30.00	PASS
		2462	23.04	≤30.00	PASS
11N20SISO	Ant1	2412	23.59	≤30.00	PASS
		2437	23.13	≤30.00	PASS
		2462	23.68	≤30.00	PASS

#### FPC Antenna:

TestMode	Antenna	Frequency[M Hz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	22.72	≤30.00	PASS
		2437	22.17	≤30.00	PASS
		2462	23.99	≤30.00	PASS
11G	Ant1	2412	22.29	≤30.00	PASS
		2437	23.56	≤30.00	PASS
		2462	23.04	≤30.00	PASS
11N20SISO	Ant1	2412	23.59	≤30.00	PASS
		2437	23.13	≤30.00	PASS
		2462	23.68	≤30.00	PASS

#### Note:

1. The Duty Cycle Factor and RBW Factor is compensated in the data.

## Appendix B.4: Maximum power spectral density

### Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-9.07	≤8.00	PASS
		2437	-6.66	≤8.00	PASS
		2462	-4.57	≤8.00	PASS
11G	Ant1	2412	-7.97	≤8.00	PASS
		2437	-7.33	≤8.00	PASS
		2462	-6.55	≤8.00	PASS
11N20SISO	Ant1	2412	-9.09	≤8.00	PASS
		2437	-9.48	≤8.00	PASS
		2462	-8.59	≤8.00	PASS

Note:

1. The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

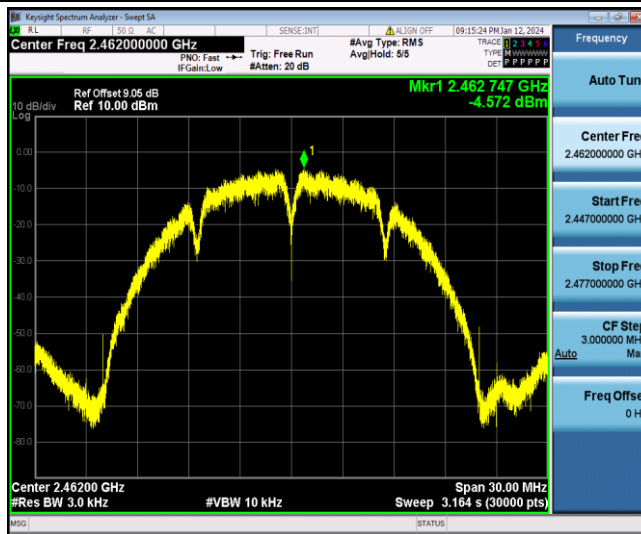
11B\_Ant1\_2412



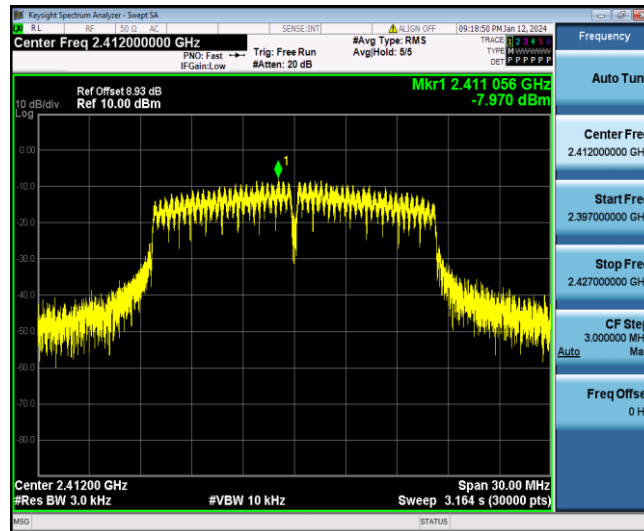
11B\_Ant1\_2437



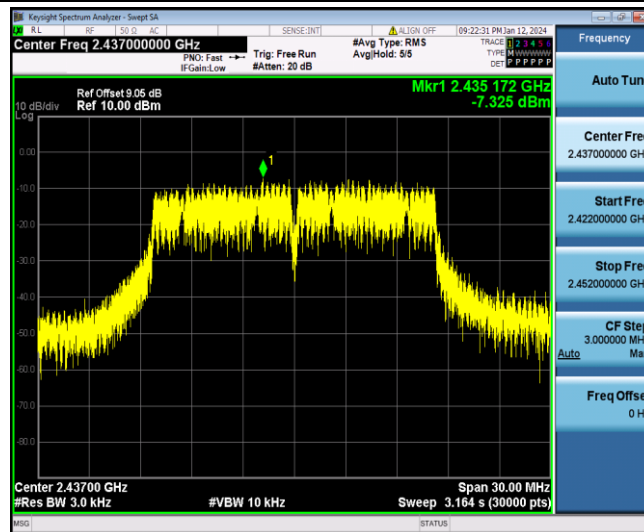
11B\_Ant1\_2462



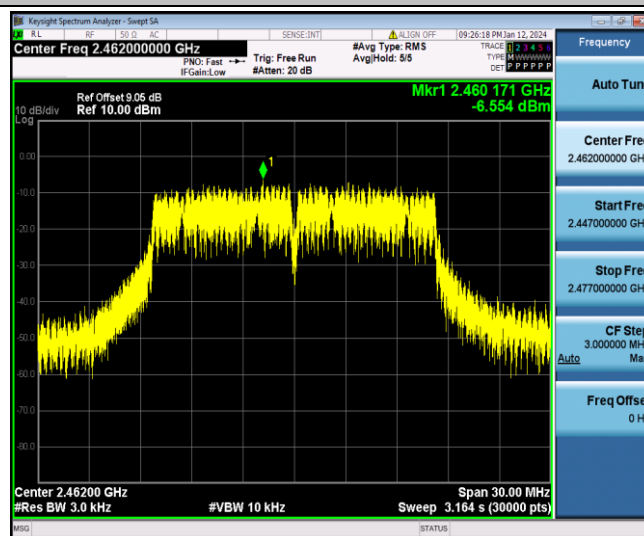
11G\_Ant1\_2412



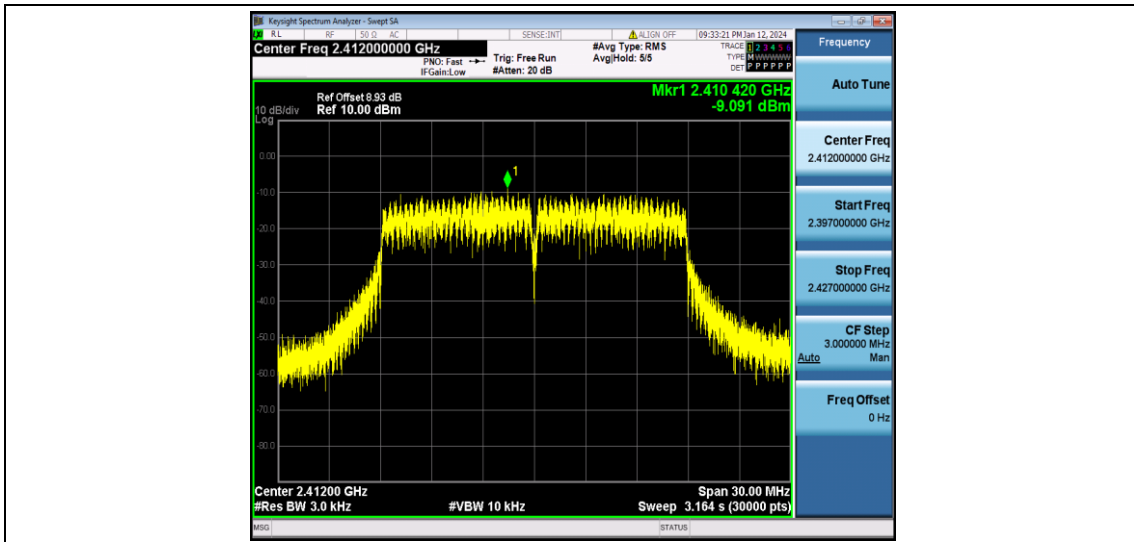
11G\_Ant1\_2437



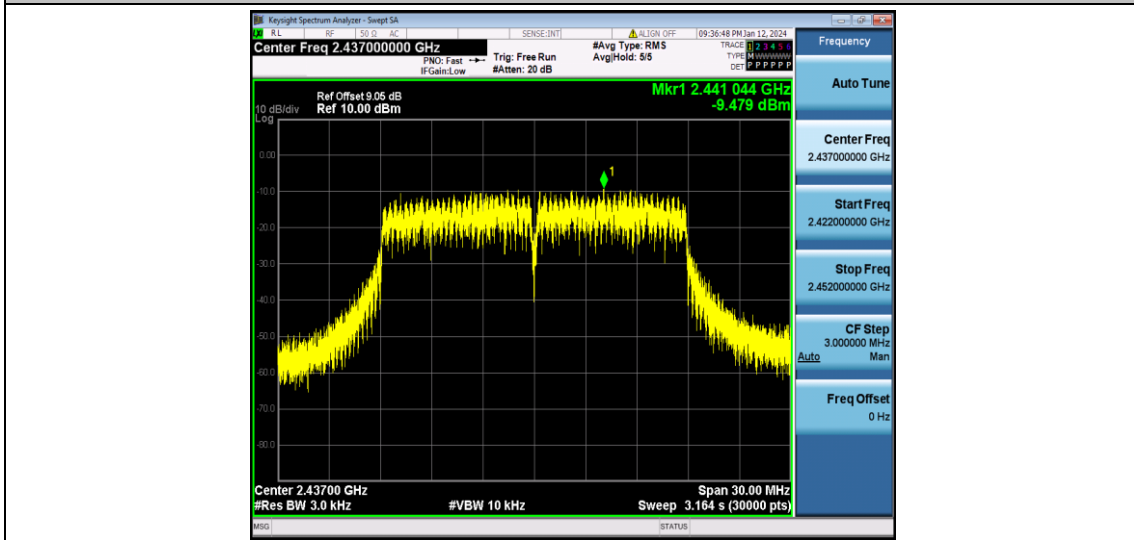
11G\_Ant1\_2462



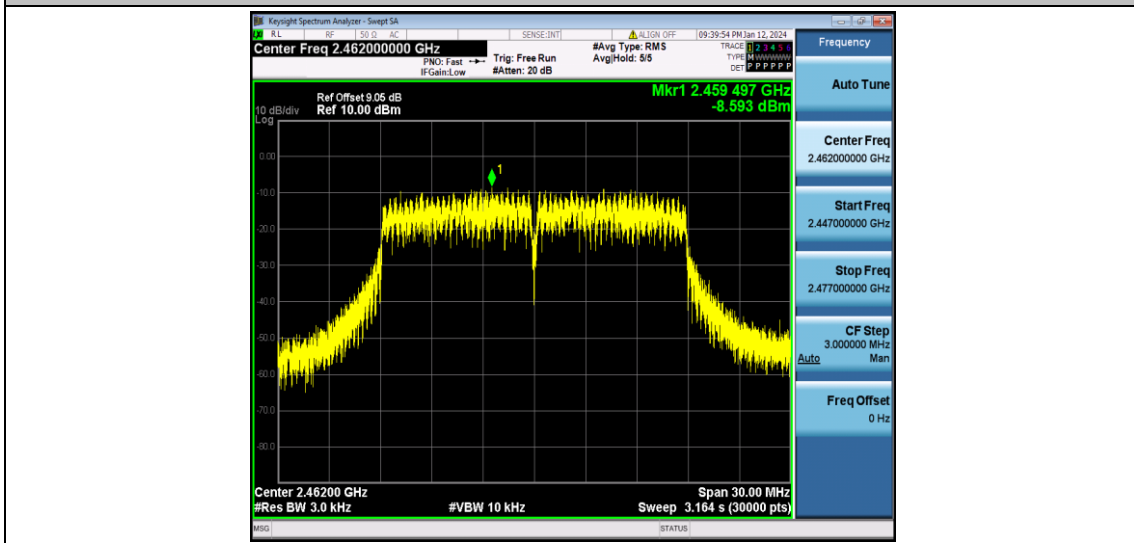
11N20SISO\_Ant1\_2412



11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462



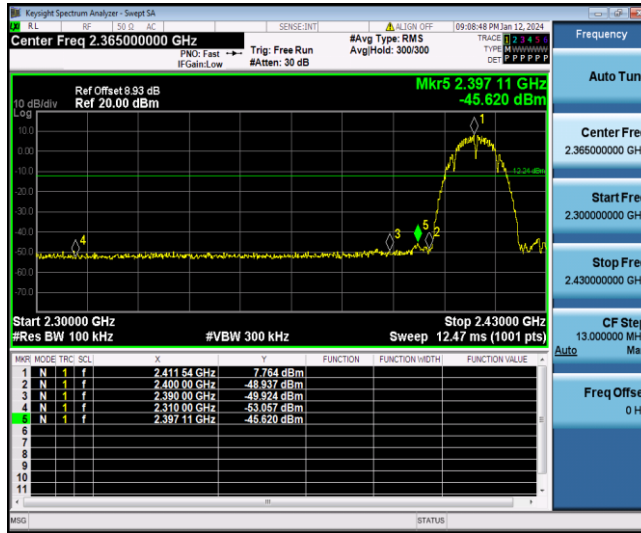
## Appendix B.5: Band edge measurements

### Test Result

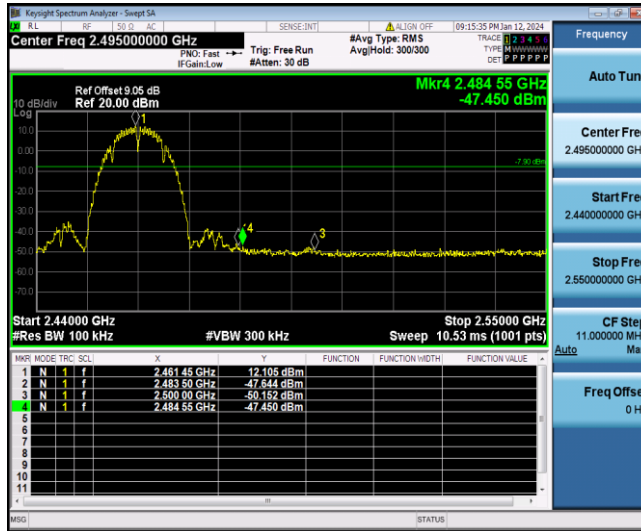
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	7.76	-45.62	≤-12.24	PASS
		High	2462	12.11	-47.45	≤-7.9	PASS
11G	Ant1	Low	2412	6.22	-21.38	≤-13.78	PASS
		High	2462	6.94	-33.77	≤-13.06	PASS
11N20SISO	Ant1	Low	2412	4.27	-29.79	≤-15.73	PASS
		High	2462	5.59	-34.27	≤-14.41	PASS

Test Graphs

11B\_Ant1\_Low\_2412



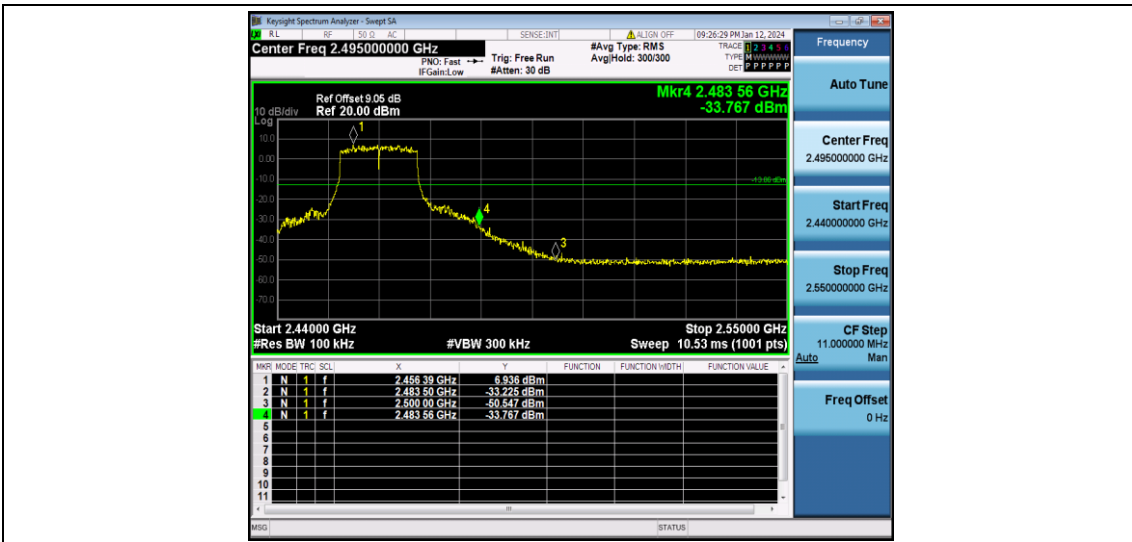
11B\_Ant1\_High\_2462



11G\_Ant1\_Low\_2412



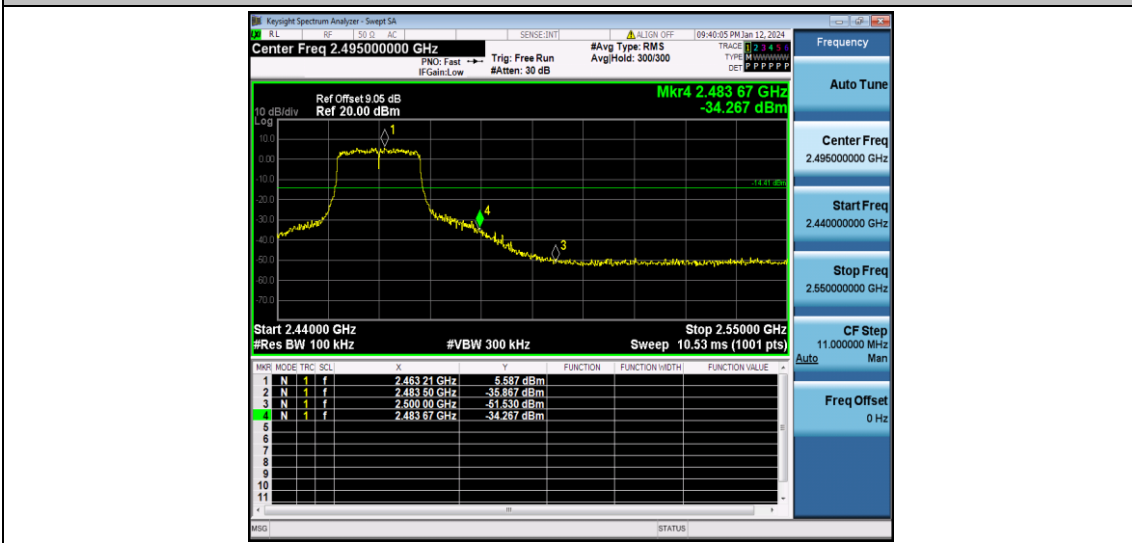
11G\_Ant1\_High\_2462



11N20SISO\_Ant1\_Low\_2412



11N20SISO\_Ant1\_High\_2462





## Appendix B.6: Conducted Spurious Emission

### Test Result

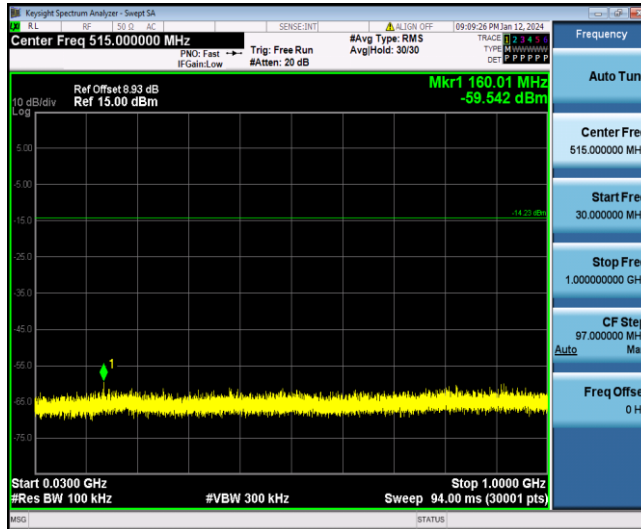
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	5.77	5.77	---	PASS
			30~1000	5.77	-59.54	≤-14.23	PASS
			1000~26500	5.77	-40.39	≤-14.23	PASS
		2437	Reference	8.02	8.02	---	PASS
			30~1000	8.02	-59.24	≤-11.98	PASS
			1000~26500	8.02	-41.37	≤-11.98	PASS
		2462	Reference	11.35	11.35	---	PASS
			30~1000	11.35	-59.42	≤-8.65	PASS
			1000~26500	11.35	-35.11	≤-8.65	PASS
11G	Ant1	2412	Reference	5.95	5.95	---	PASS
			30~1000	5.95	-59.83	≤-14.05	PASS
			1000~26500	5.95	-48	≤-14.05	PASS
		2437	Reference	5.35	5.35	---	PASS
			30~1000	5.35	-60.18	≤-14.65	PASS
			1000~26500	5.35	-47.11	≤-14.65	PASS
		2462	Reference	6.78	6.78	---	PASS
			30~1000	6.78	-59.57	≤-13.22	PASS
			1000~26500	6.78	-48.41	≤-13.22	PASS
11N20SISO	Ant1	2412	Reference	4.03	4.03	---	PASS
			30~1000	4.03	-60.6	≤-15.97	PASS
			1000~26500	4.03	-47.31	≤-15.97	PASS
		2437	Reference	4.58	4.58	---	PASS
			30~1000	4.58	-59.42	≤-15.42	PASS
			1000~26500	4.58	-48.4	≤-15.42	PASS
		2462	Reference	4.58	4.58	---	PASS
			30~1000	4.58	-60.41	≤-15.42	PASS
			1000~26500	4.58	-47.64	≤-15.42	PASS

Test Graphs

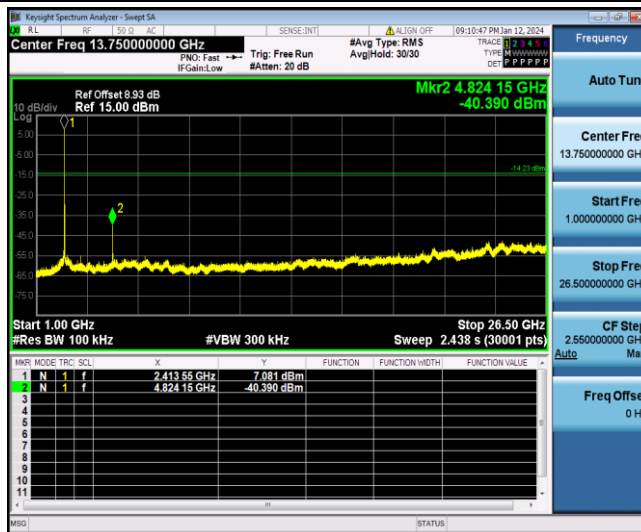
11B\_Ant1\_2412\_0~Reference



11B\_Ant1\_2412\_30~1000



11B\_Ant1\_2412\_1000~26500



11B\_Ant1\_2437\_0~Reference