

Case No. : <u>CTA24071601001</u>
Ambient Condition: <u>23</u> °C, <u>53</u> %RH,
Test Date: <u>2024.7.19</u> Test Engineer: <u>Lushan Kong</u>

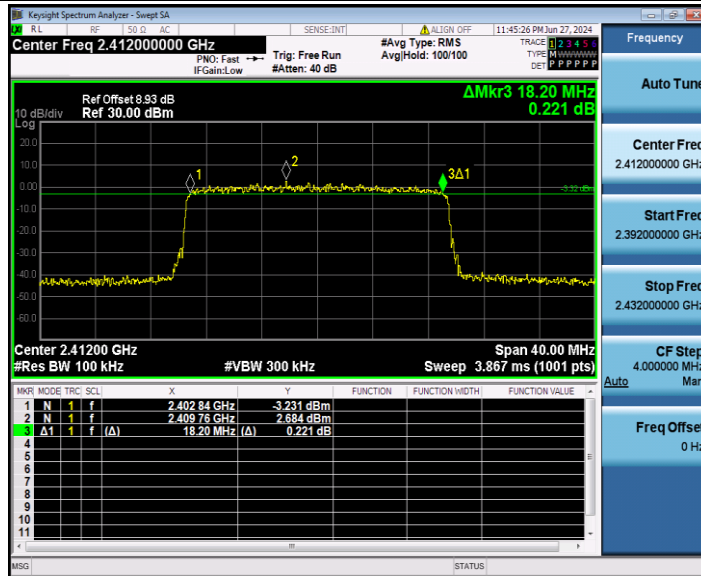
Appendix A.1: DTS Bandwidth

Test Result

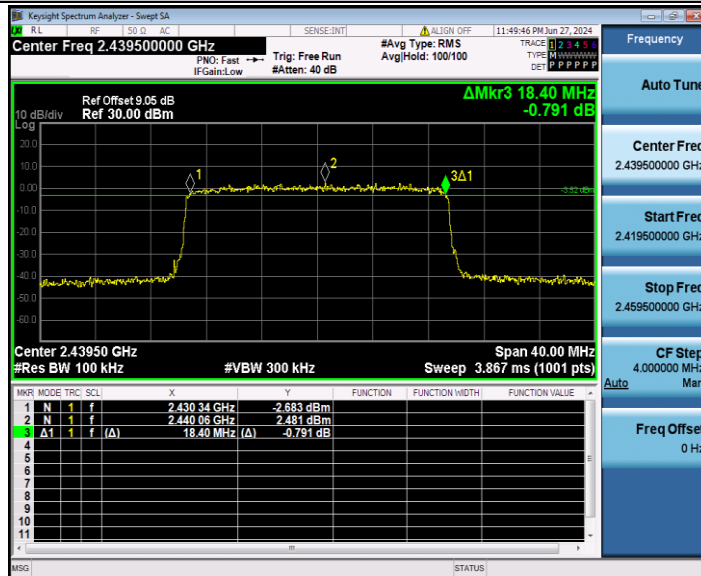
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
SRD	Ant1	2412	18.200	2402.840	2421.040	0.5	PASS
		2439.5	18.400	2430.340	2448.740	0.5	PASS
		2461.5	18.120	2452.380	2470.500	0.5	PASS

Test Graphs

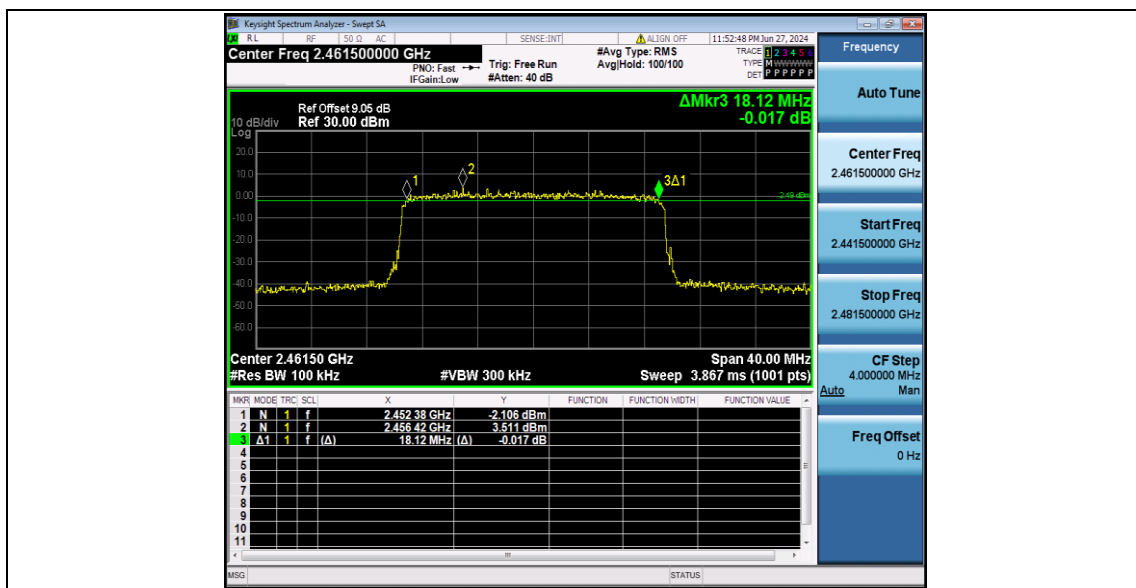
SRD_Ant1_2412



SRD_Ant1_2439.5



SRD_Ant1_2461.5

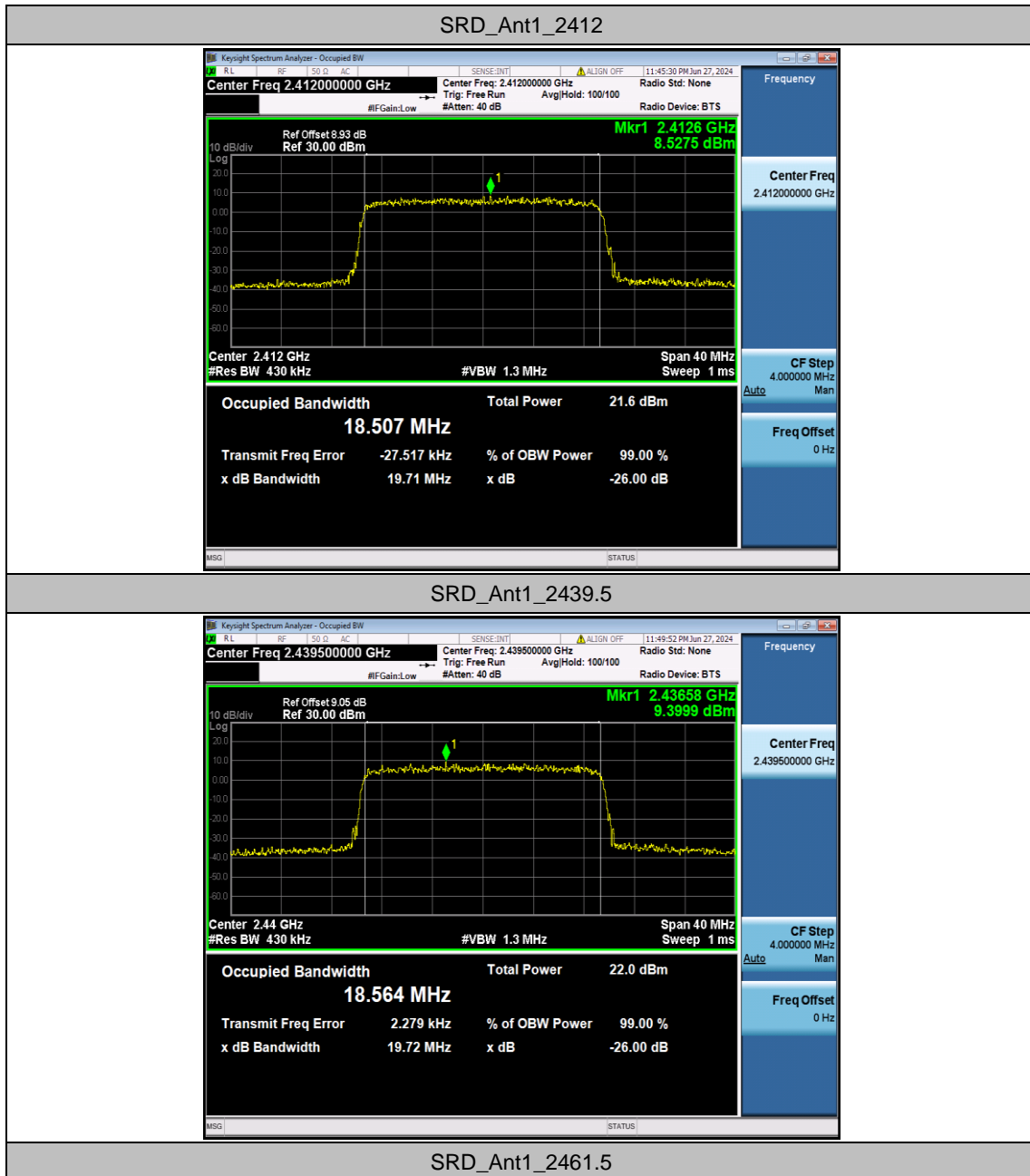


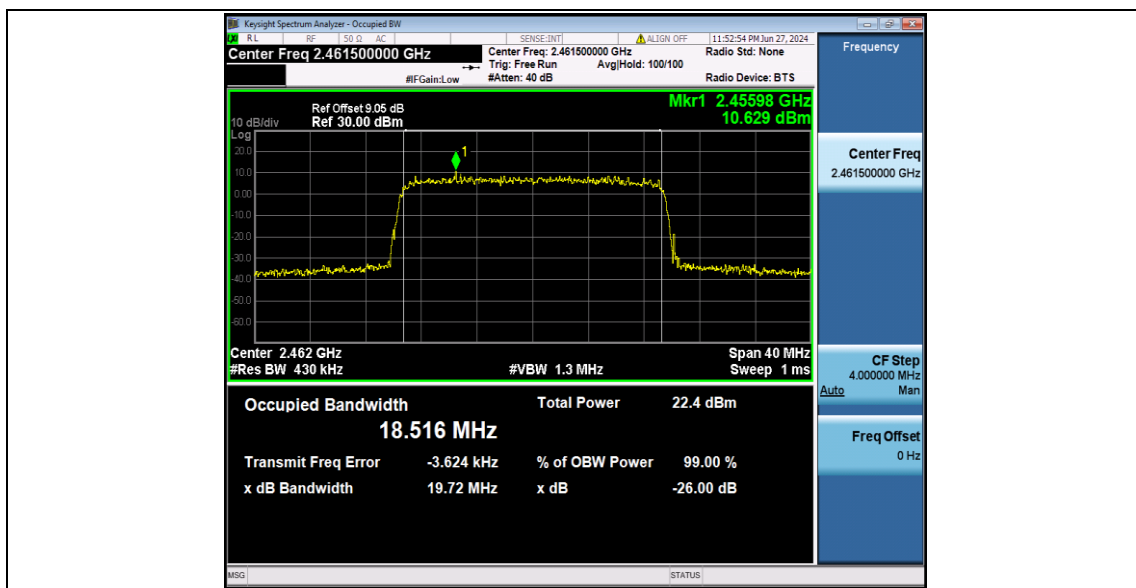
Appendix A.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
SRD	Ant1	2412	18.507	2402.7190	2421.2260	---	---
		2439.5	18.564	2430.2203	2448.7843	---	---
		2461.5	18.516	2452.2384	2470.7544	---	---

Test Graphs





Appendix A.3: Maximum conducted output power

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
SRD	Ant1	2412	22.49	≤30.00	PASS
		2439.5	22.34	≤30.00	PASS
		2461.5	22.80	≤30.00	PASS

Appendix A.4: Maximum power spectral density

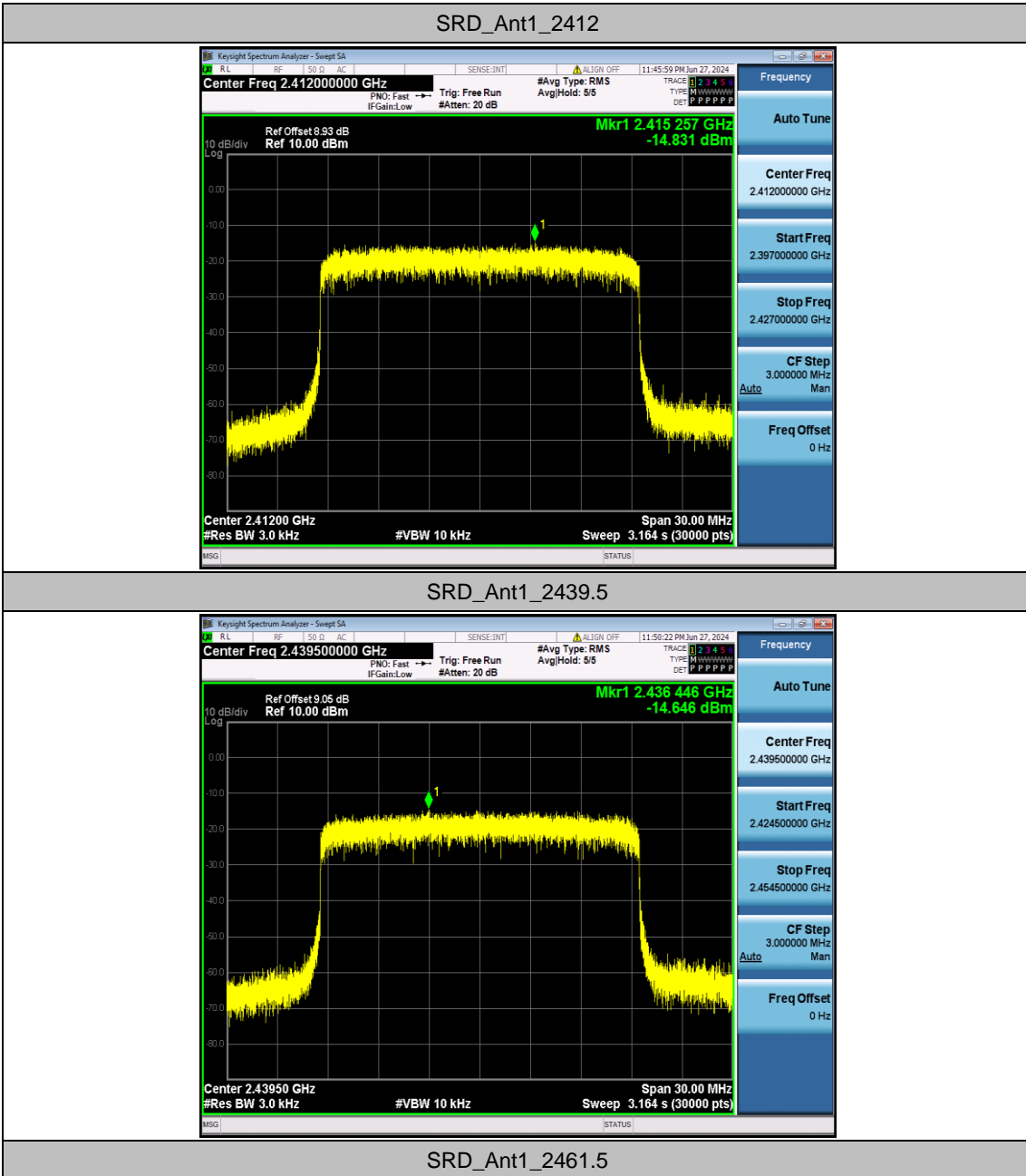
Test Result

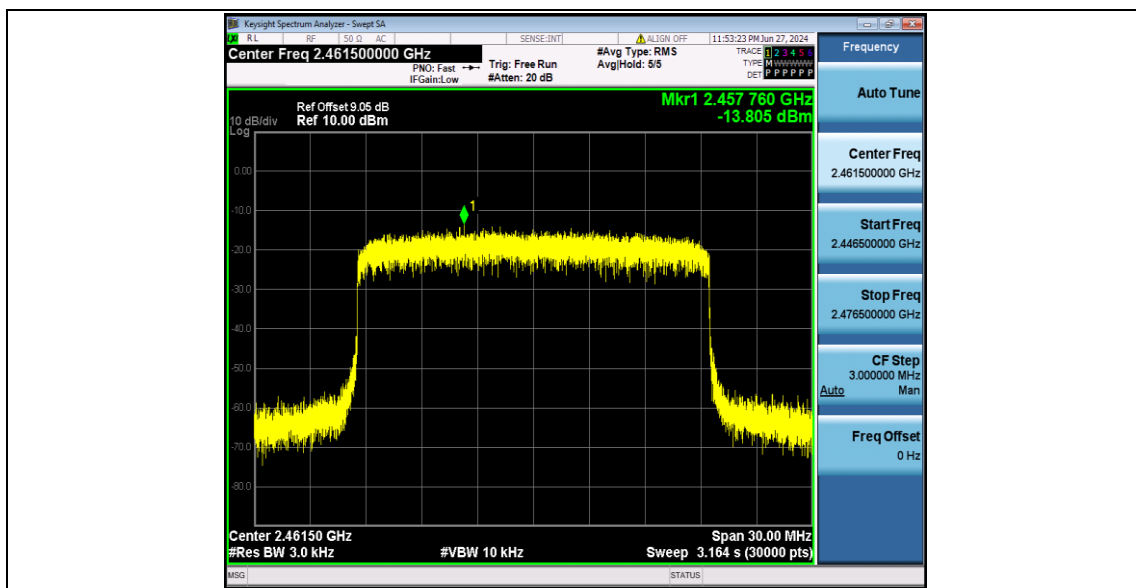
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
SRD	Ant1	2412	-14.83	≤8.00	PASS
		2439.5	-14.65	≤8.00	PASS
		2461.5	-13.81	≤8.00	PASS

Note:

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

Test Graphs



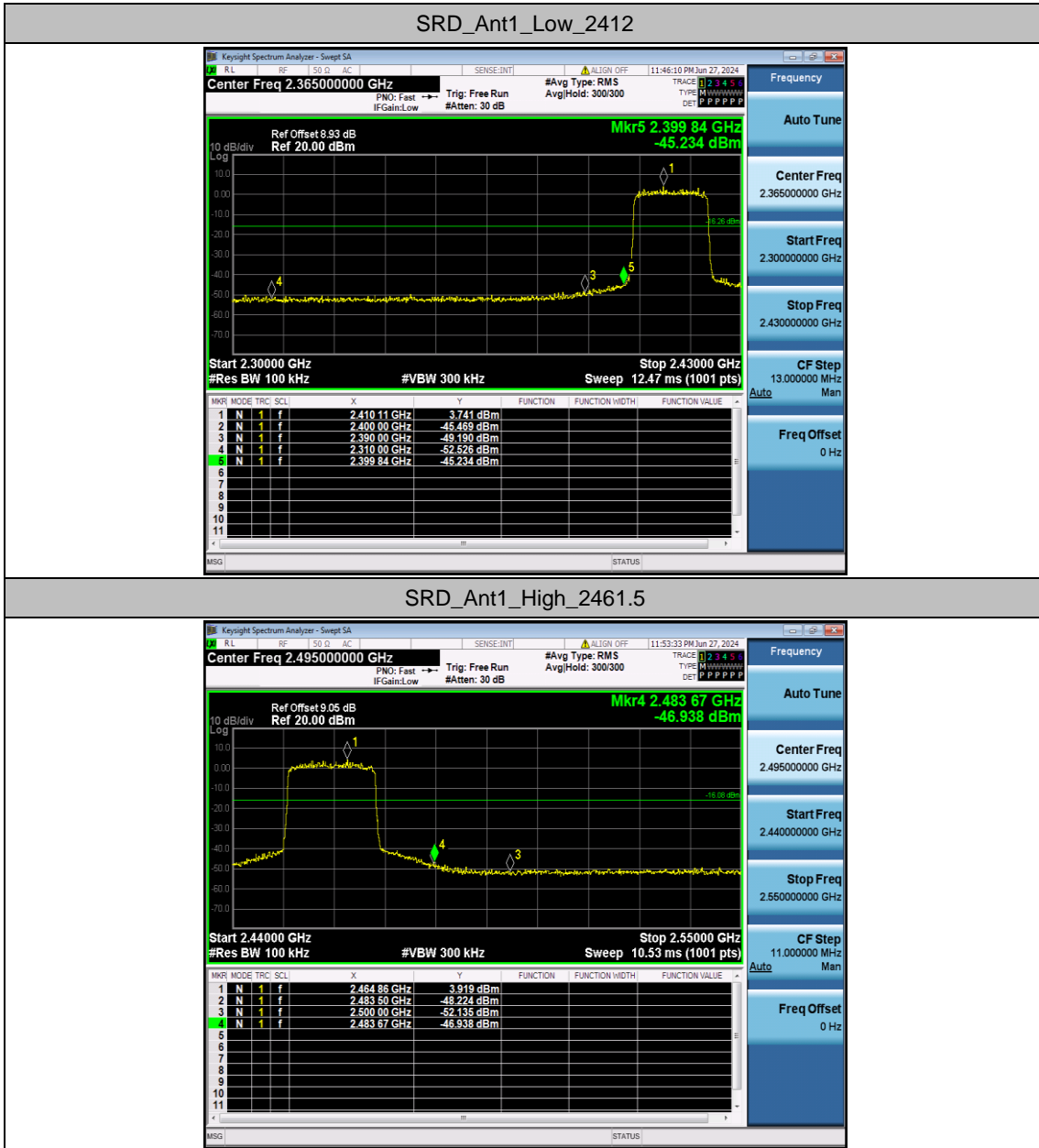


Appendix A.5: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
SRD	Ant1	Low	2412	3.74	-45.23	≤-16.26	PASS
		High	2461.5	3.92	-46.94	≤-16.08	PASS

Test Graphs

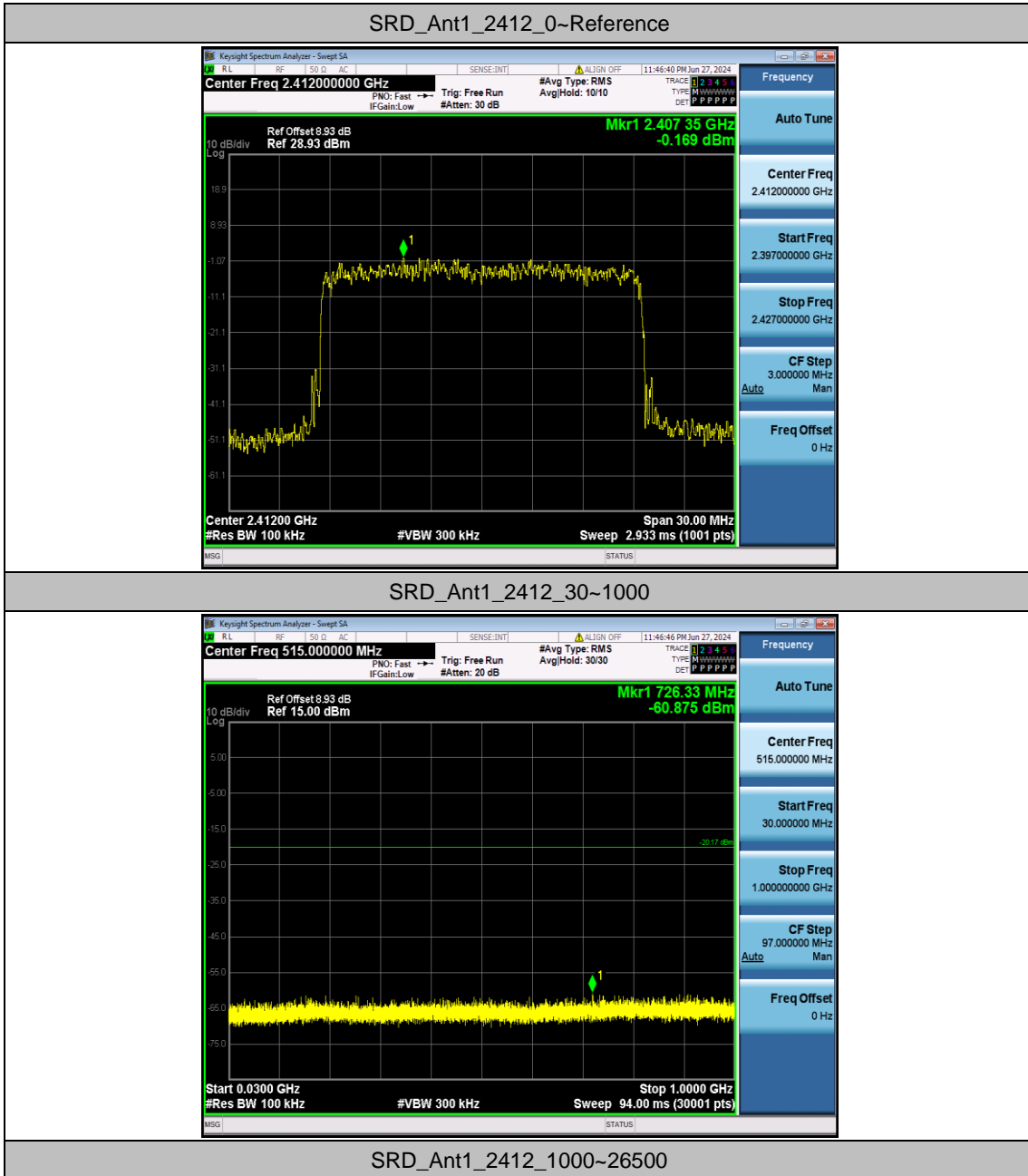


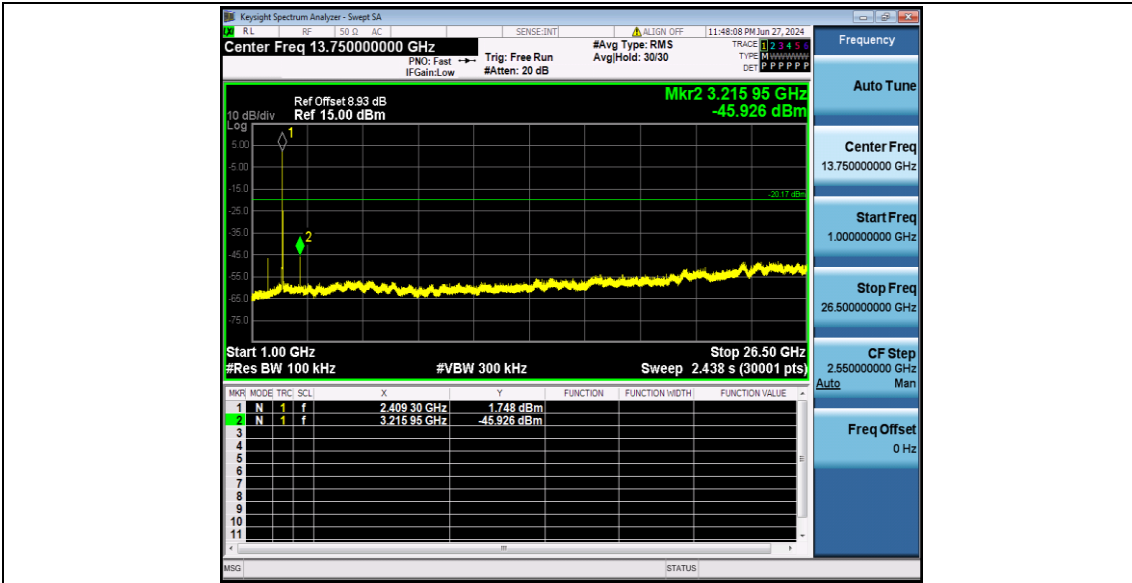
Appendix A.6: Conducted Spurious Emission

Test Result

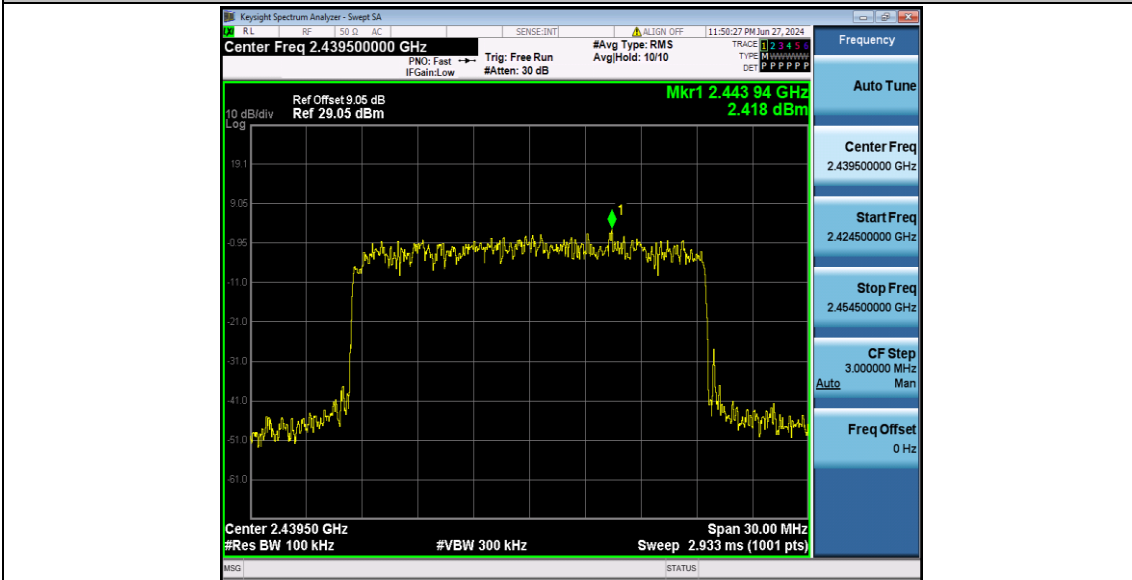
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	2412	Reference	-0.17	-0.17	---	PASS
			30~1000	-0.17	-60.88	≤ -20.17	PASS
			1000~26500	-0.17	-45.93	≤ -20.17	PASS
		2439.5	Reference	2.42	2.42	---	PASS
			30~1000	2.42	-60.71	≤ -17.58	PASS
			1000~26500	2.42	-45.79	≤ -17.58	PASS
		2461.5	Reference	2.27	2.27	---	PASS
			30~1000	2.27	-60.3	≤ -17.73	PASS
			1000~26500	2.27	-46.34	≤ -17.73	PASS

Test Graphs

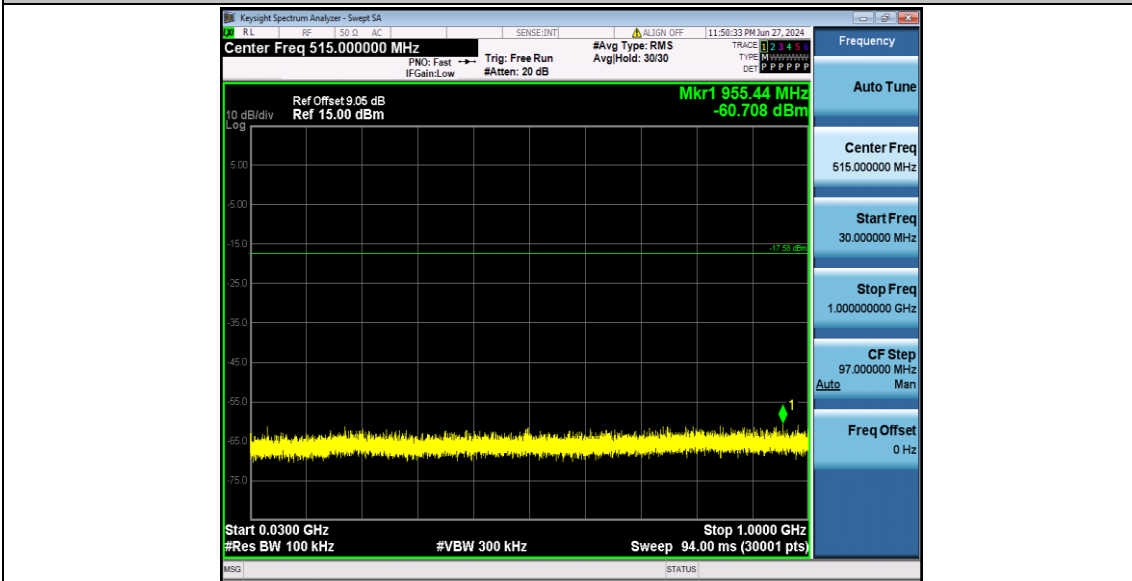




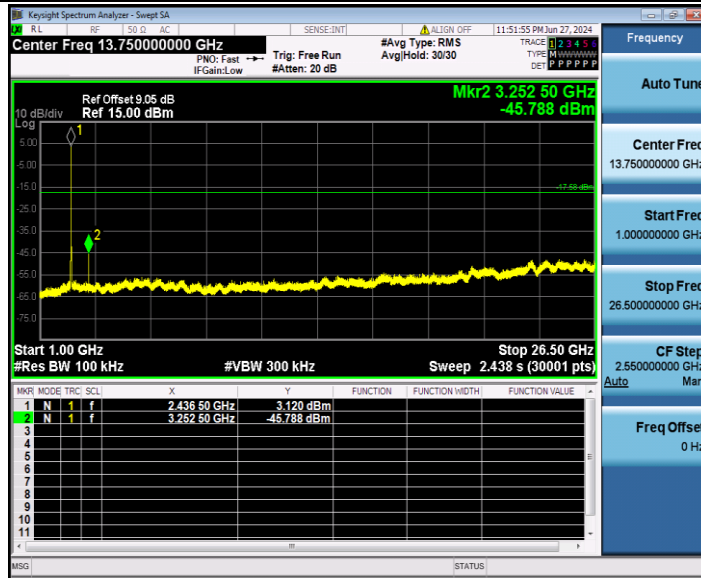
SRD_Ant1_2439.5_0~Reference



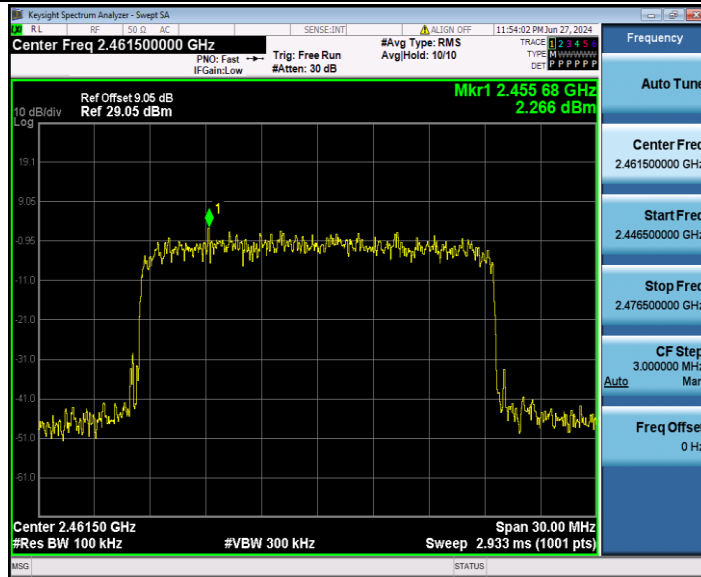
SRD_Ant1_2439.5_30~1000



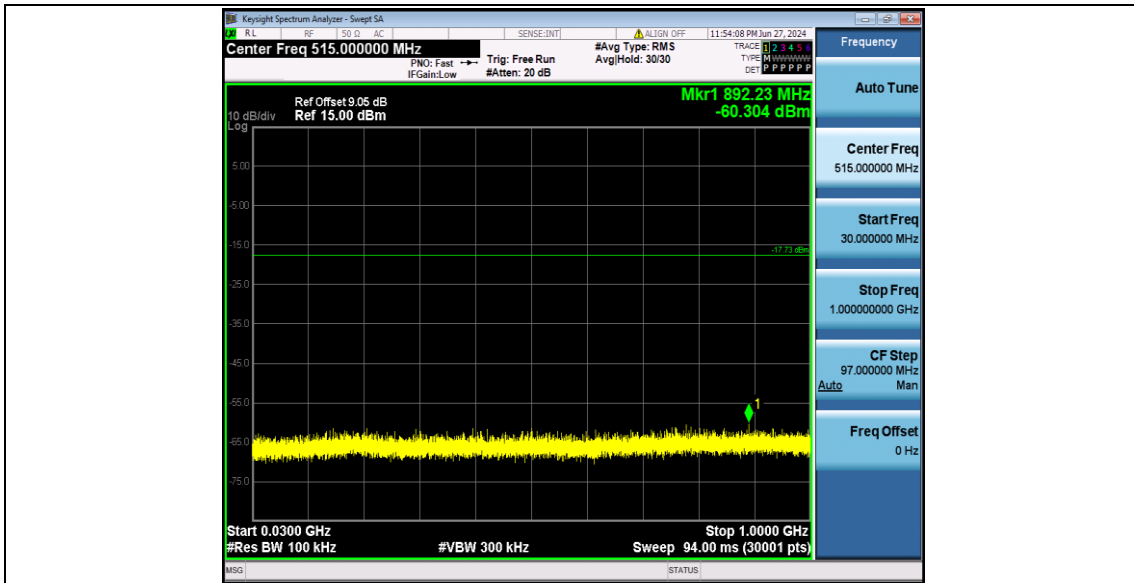
SRD_Ant1_2439.5_1000~26500



SRD_Ant1_2461.5_0~Reference



SRD_Ant1_2461.5_30~1000



SRD_Ant1_2461.5_1000~26500

