

Case No. : <u>GTS20240521003-1-14</u>	
Ambient Condition: <u>22</u> °C, <u>52</u> %RH,	
Test Date: <u>2024.11.26</u>	Test Engineer: <u>Evan ouyang</u>

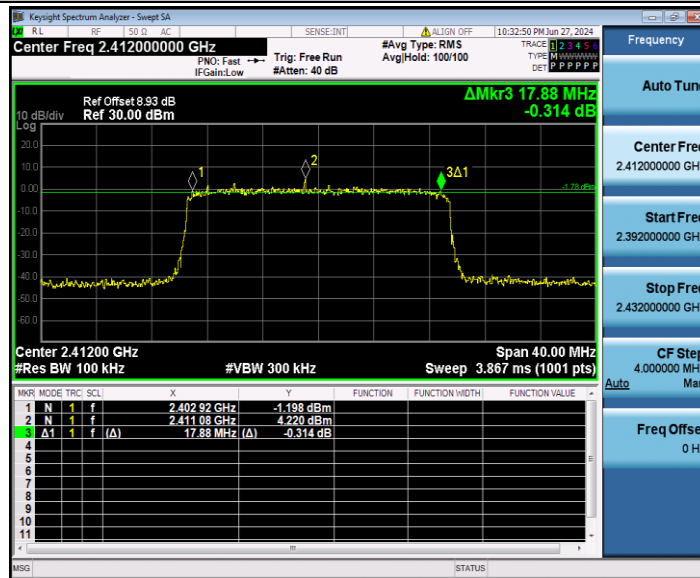
Appendix A.1: DTS Bandwidth

Test Result

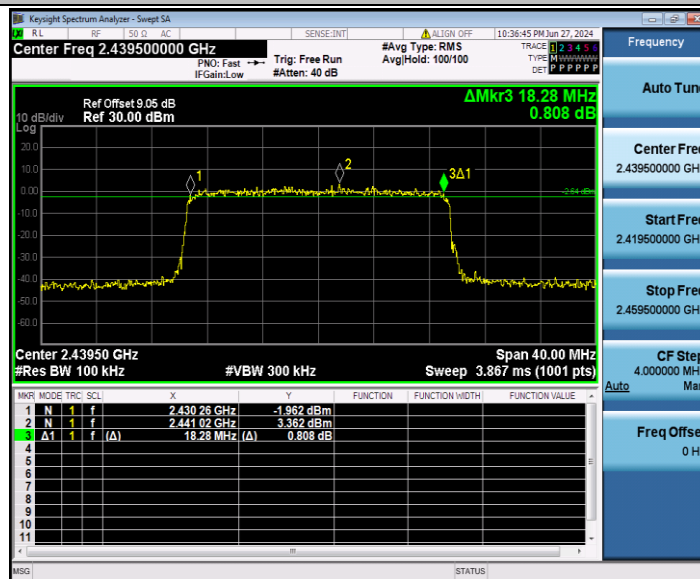
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
SRD	Ant1	2412	17.880	2402.920	2420.800	0.5	PASS
		2439.5	18.280	2430.260	2448.540	0.5	PASS
		2461.5	18.440	2452.180	2470.620	0.5	PASS

Test Graphs

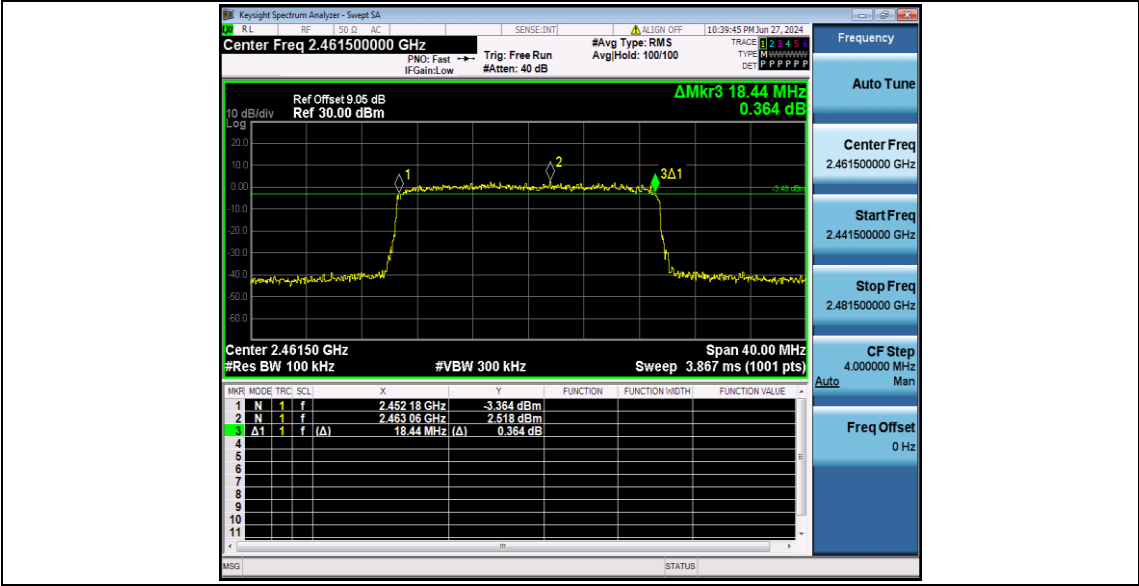
SRD_Ant1_2412



SRD_Ant1_2439.5



SRD_Ant1_2461.5

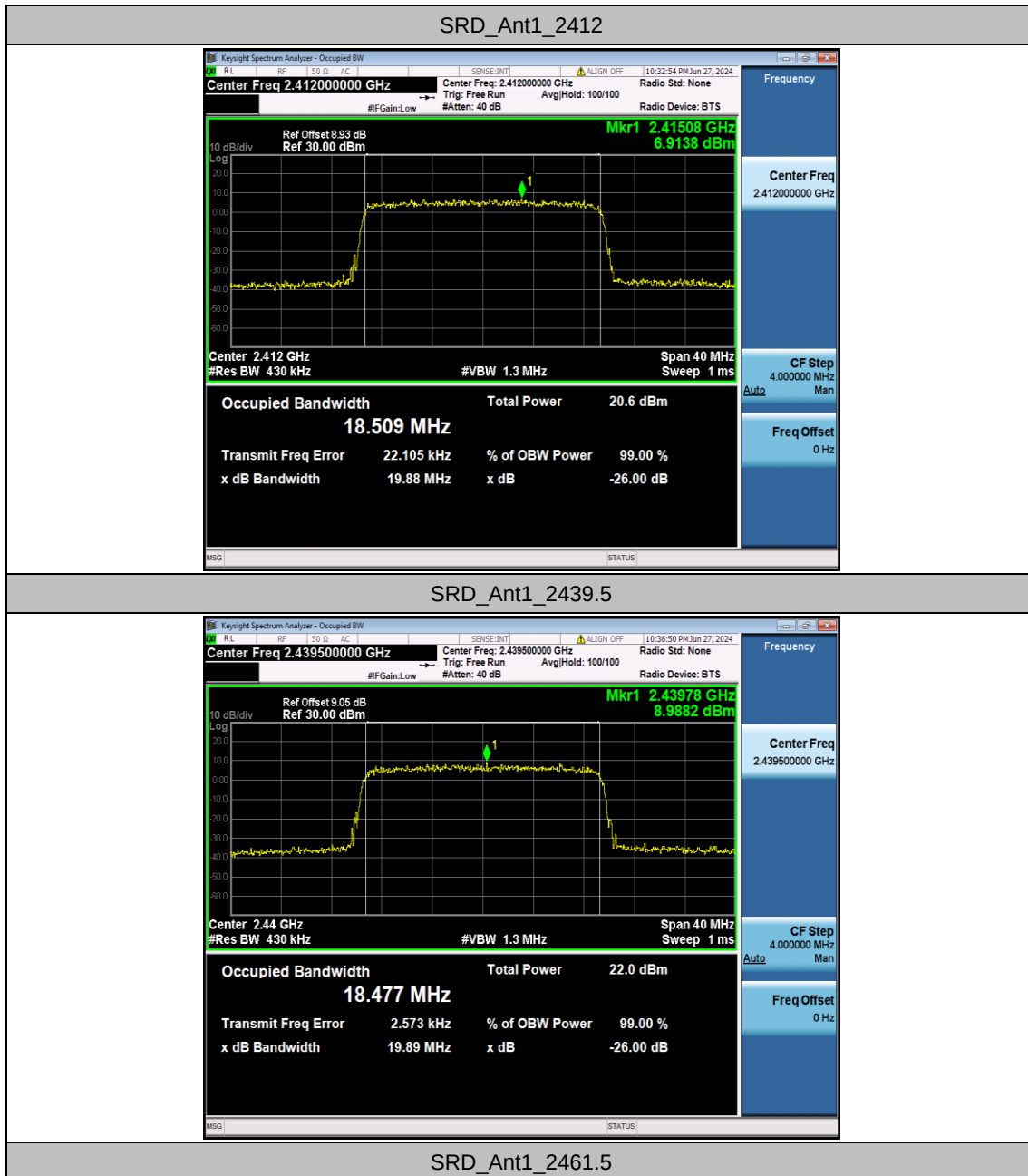


Appendix A.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
SRD	Ant1	2412	18.509	2402.7676	2421.2766	---	---
		2439.5	18.477	2430.2641	2448.7411	---	---
		2461.5	18.498	2452.2805	2470.7785	---	---

Test Graphs



Appendix A.3: Maximum conducted output power

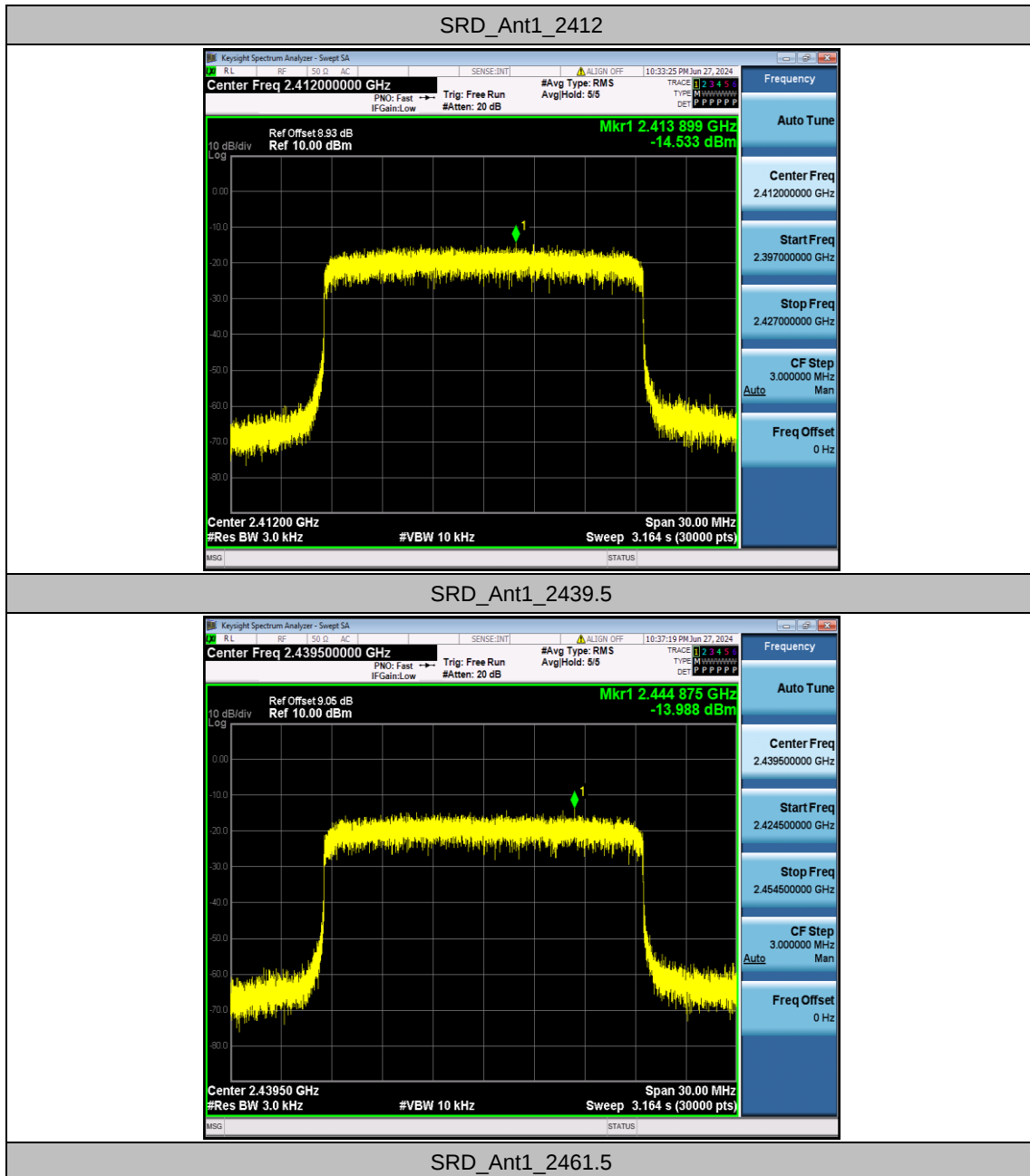
Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
SRD	Ant1	2412	21.78	≤30.00	PASS
		2439.5	21.49	≤30.00	PASS
		2461.5	22.37	≤30.00	PASS

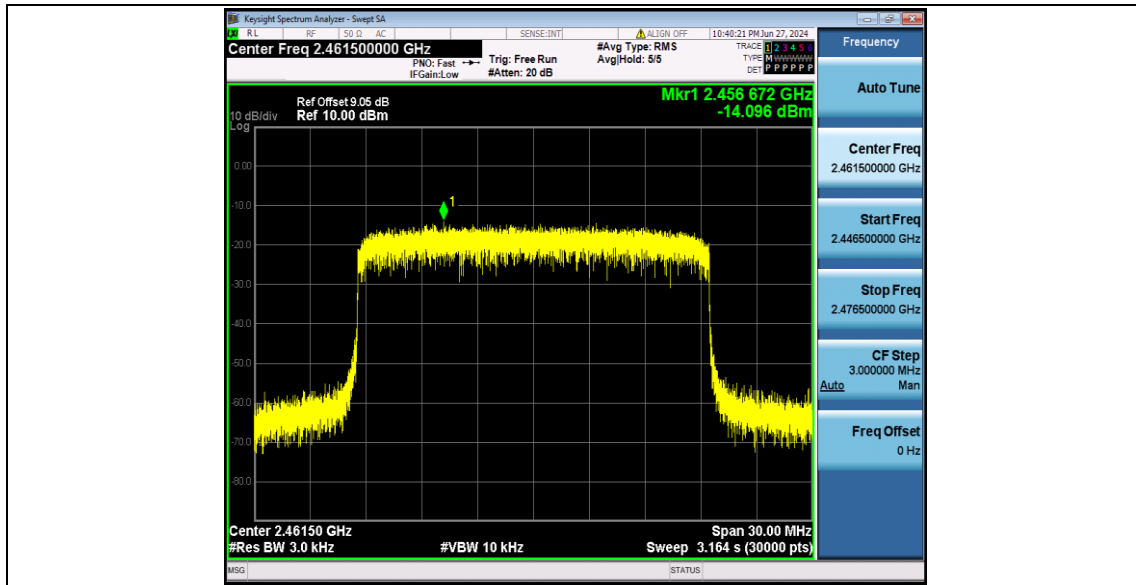
Appendix A.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
SRD	Ant1	2412	-14.53	≤8.00	PASS
		2439.5	-13.99	≤8.00	PASS
		2461.5	-14.10	≤8.00	PASS

Test Graphs



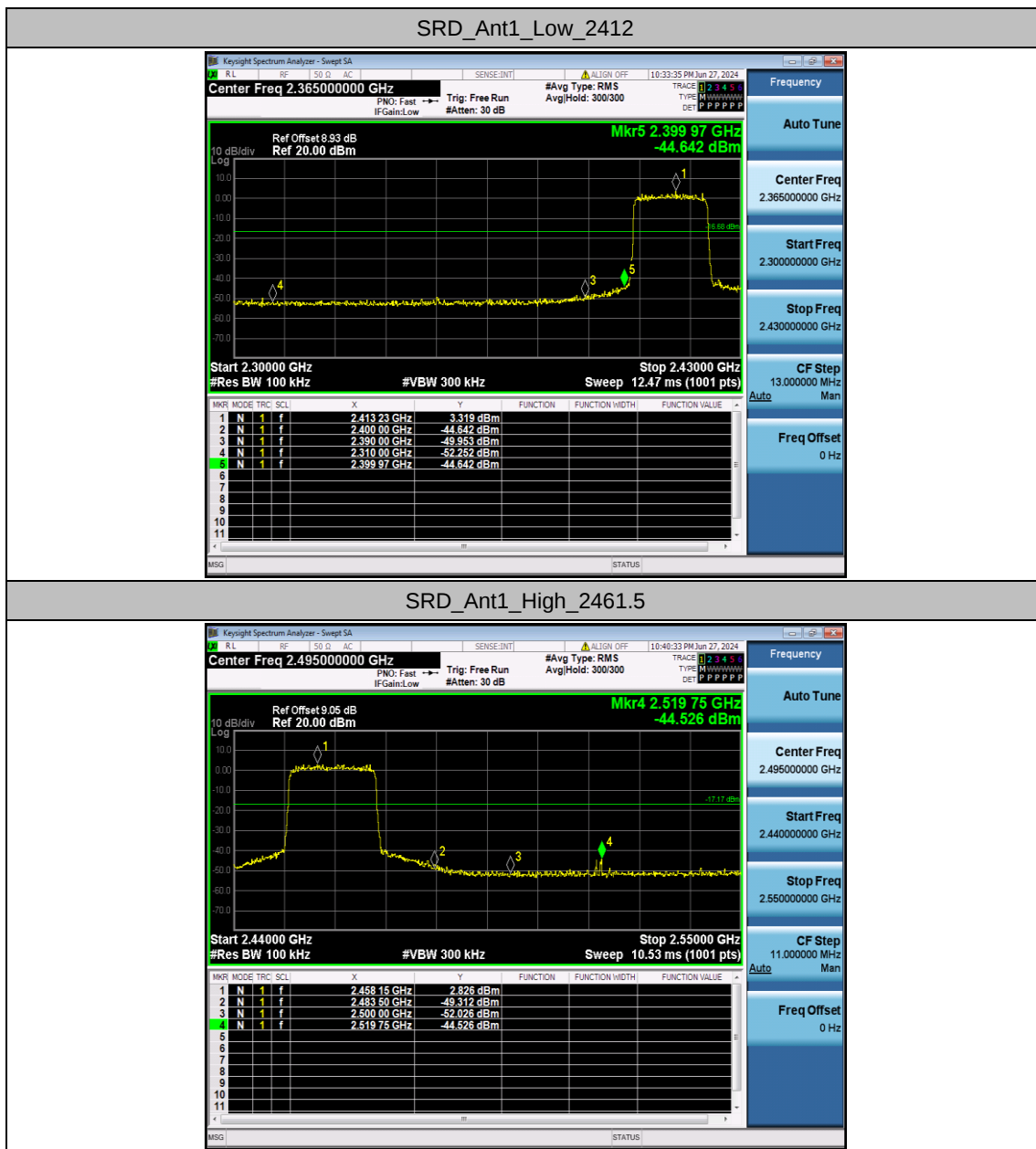


Appendix A.5: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
SRD	Ant1	Low	2412	3.32	-44.64	$\leq$ -16.68	PASS
		High	2461.5	2.83	-44.53	$\leq$ -17.17	PASS

Test Graphs

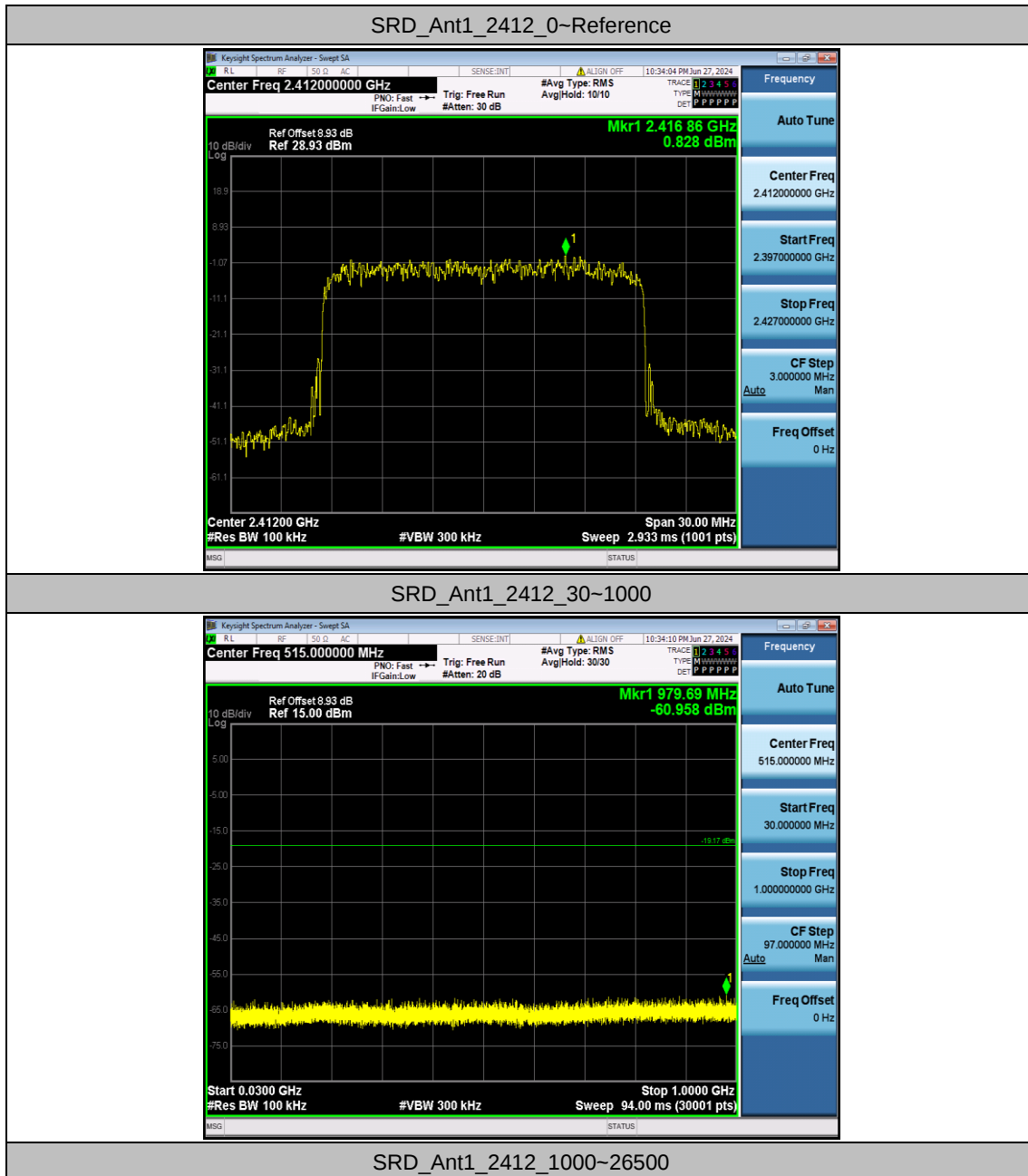


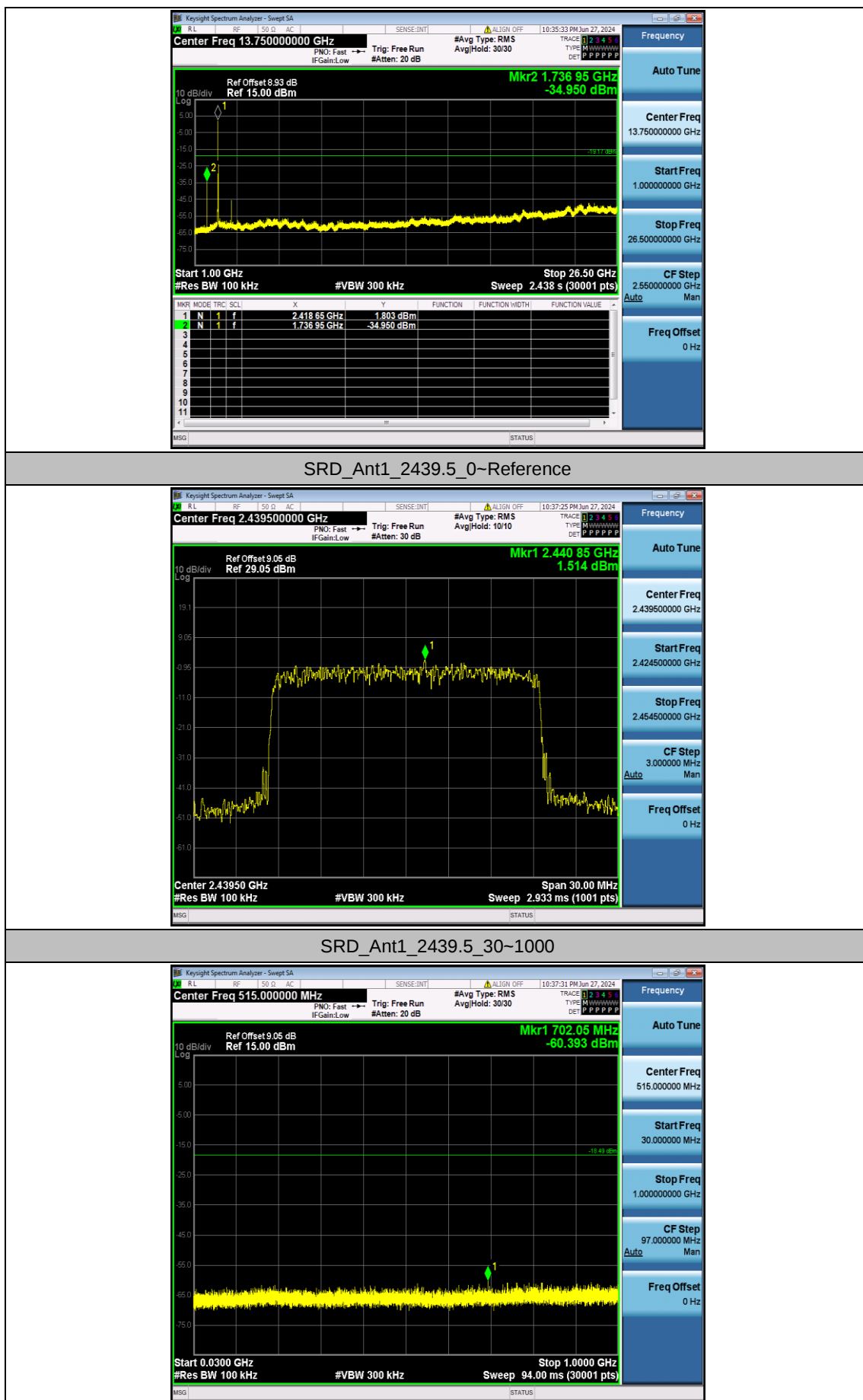
Appendix A.6: Conducted Spurious Emission

Test Result

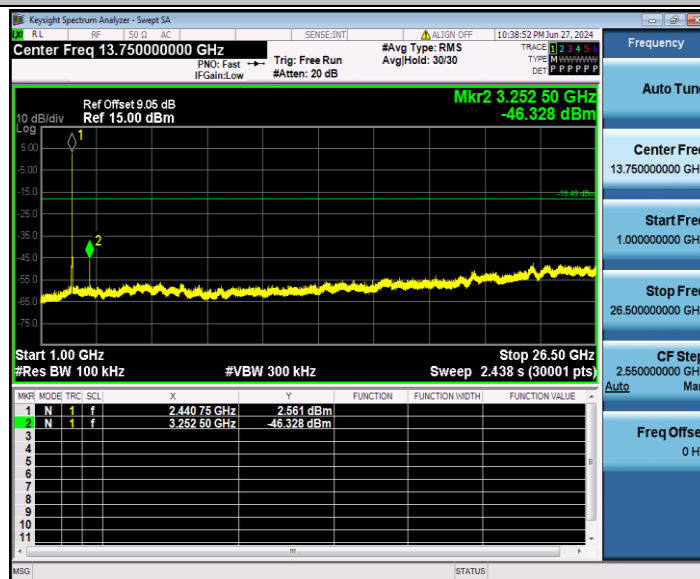
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	2412	Reference	0.83	0.83	---	PASS
			30~1000	0.83	-60.96	≤ -19.17	PASS
			1000~26500	0.83	-34.95	≤ -19.17	PASS
		2439.5	Reference	1.51	1.51	---	PASS
			30~1000	1.51	-60.39	≤ -18.49	PASS
			1000~26500	1.51	-46.33	≤ -18.49	PASS
		2461.5	Reference	2.55	2.55	---	PASS
			30~1000	2.55	-60.91	≤ -17.45	PASS
			1000~26500	2.55	-32.73	≤ -17.45	PASS

Test Graphs

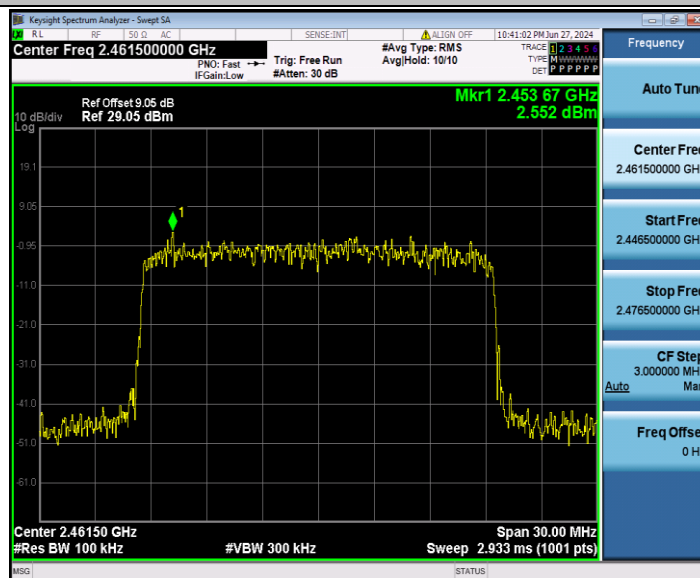




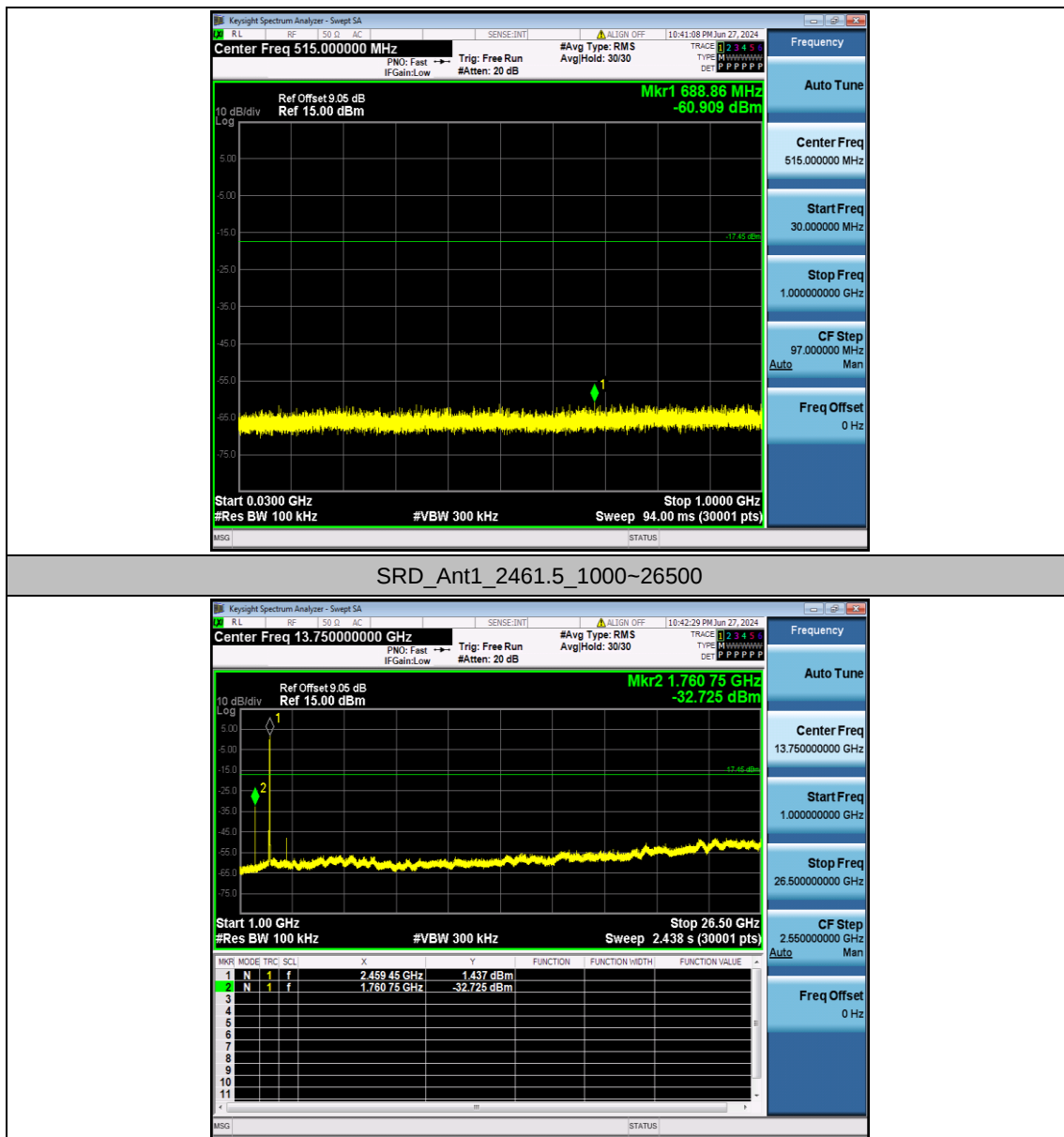
SRD_Ant1_2439.5_1000~26500



SRD_Ant1_2461.5_0~Reference



SRD_Ant1_2461.5_30~1000



Appendix A.7: Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
SRD	Ant1	Low	2412	AV	2310.000	-49.45	≤-41.20	45.75	≤54	PASS
				AV	2389.960	-46.7	≤-41.20	48.50	≤54	PASS
				AV	2390.000	-46.7	≤-41.20	48.50	≤54	PASS
				Peak	2310.000	-45.45	≤-21.20	49.75	≤74	PASS
				Peak	2388.270	-38.4	≤-21.20	56.80	≤74	PASS
				Peak	2390.000	-44.3	≤-21.20	50.90	≤74	PASS
		High	2461.5	AV	2483.500	-45.37	≤-41.20	49.83	≤54	PASS
				AV	2483.560	-45.38	≤-41.20	49.82	≤54	PASS
				AV	2500.000	-48.75	≤-41.20	46.45	≤54	PASS
				Peak	2483.500	-44.06	≤-21.20	51.14	≤74	PASS
				Peak	2485.650	-37.99	≤-21.20	57.21	≤74	PASS
				Peak	2500.000	-44.32	≤-21.20	50.88	≤74	PASS

Note:

1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

