

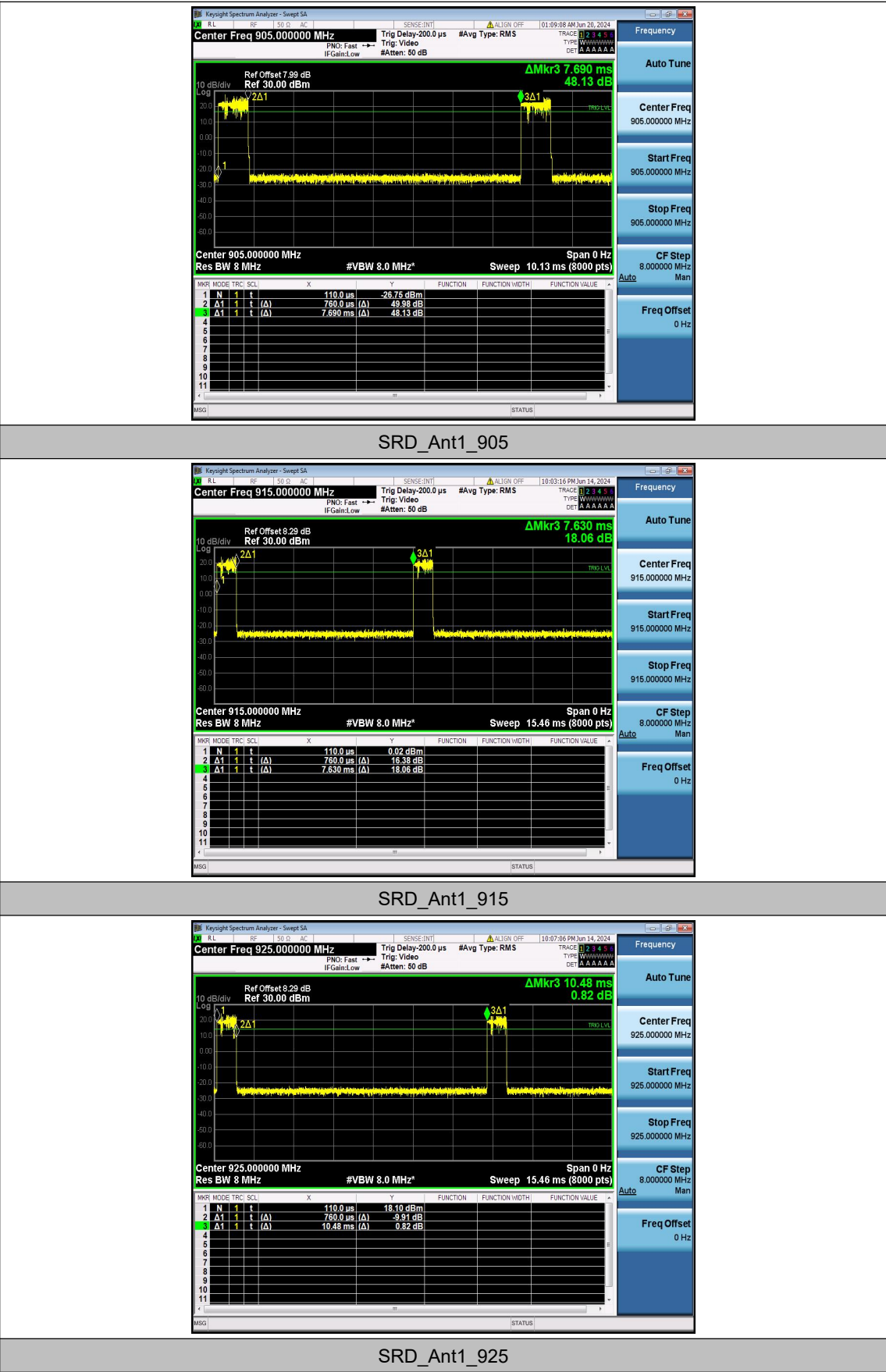
Case No. : CTA24072303303	
Ambient Condition: 23 °C, 52 %RH, Atmos100.1Kpa,	
Test Date: 2024.7.6	Test Engineer: Lushan Kong

Appendix B.1: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[kHz]
SRD	Ant1	905	0.76	7.69	9.88	10.05	1.32
		915	0.76	7.63	9.96	10.02	1.32
		925	0.76	10.48	7.25	11.40	1.32

Test Graphs

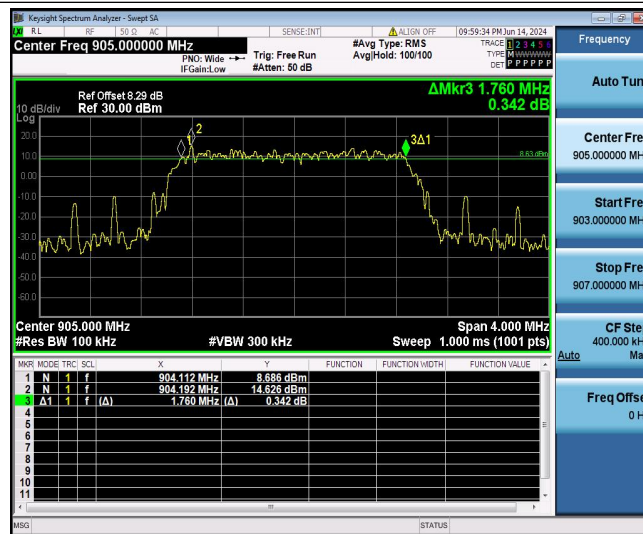


Appendix B.2: DTS Bandwidth

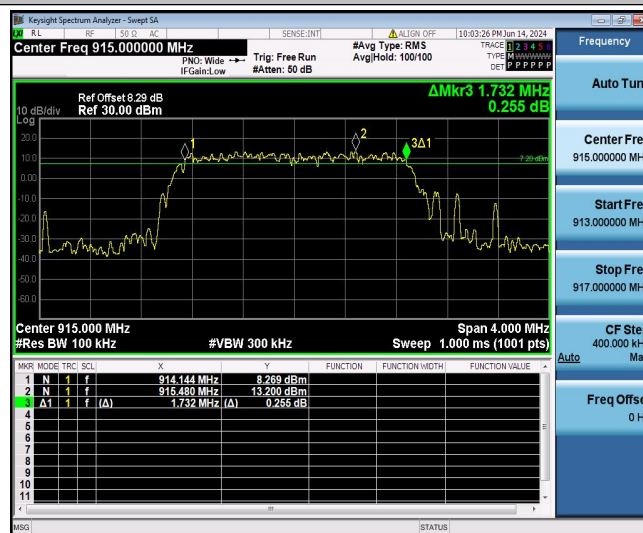
Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
SRD	Ant1	905	1.760	904.112	905.872	0.5	PASS
		915	1.732	914.144	915.876	0.5	PASS
		925	1.668	924.140	925.808	0.5	PASS

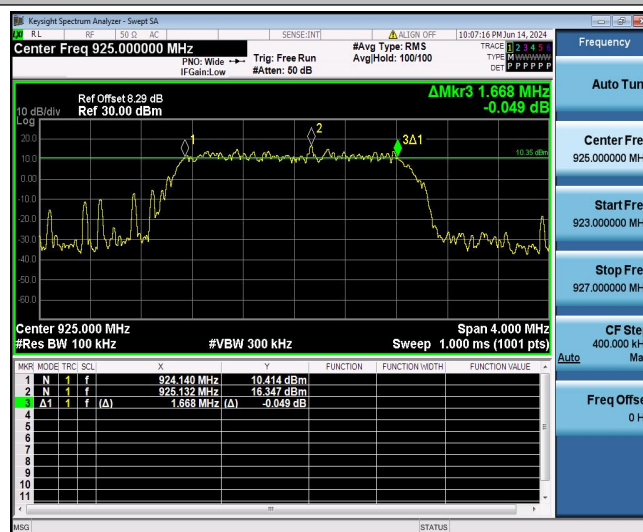
Test Graphs



SRD_Ant1_905



SRD_Ant1_915



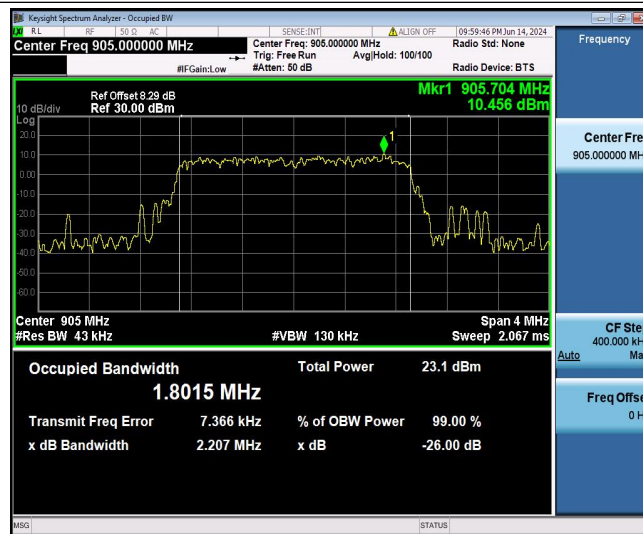
SRD_Ant1_925

Appendix B.3: Occupied Channel Bandwidth

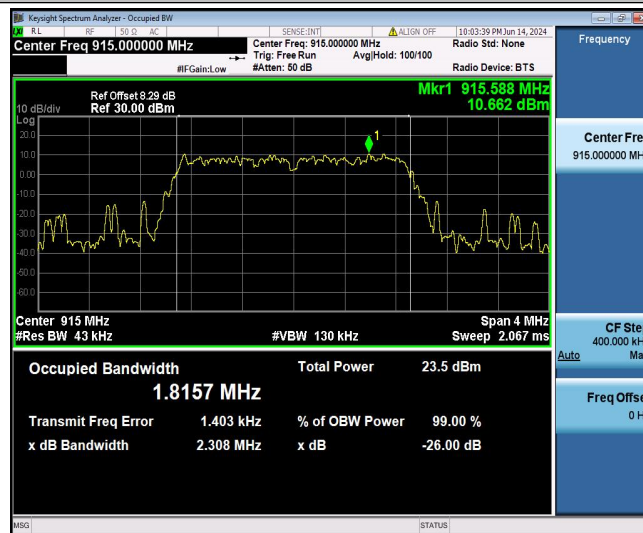
Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
SRD	Ant1	905	1.8015	904.107	905.908	---	---
		915	1.8157	914.094	915.909	---	---
		925	1.7891	924.106	925.895	---	---

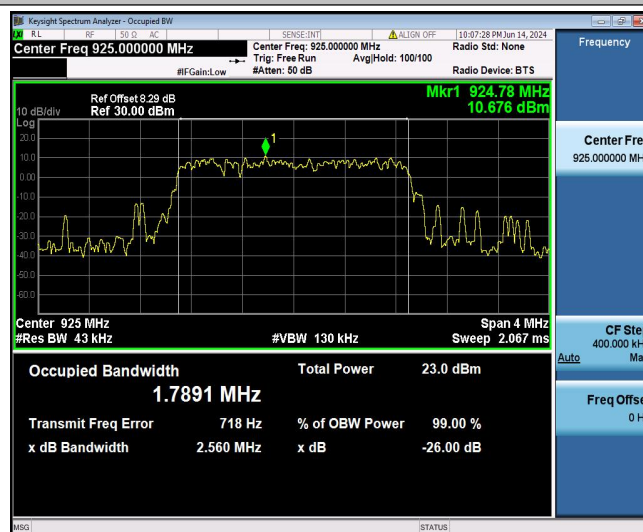
Test Graphs



SRD_Ant1_905



SRD_Ant1_915



SRD_Ant1_925

Appendix B.4: Maximum conducted output power

TestMode	Antenna	Frequency [MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit[dBm]	Verdict
BLE	Ant1	2402	26.5	≤30	-0.83	25.67	≤36	PASS
		2440	26.63	≤30	-0.83	25.8	≤36	PASS
		2480	26.7	≤30	-0.83	25.87	≤36	PASS

Appendix B.5: Maximum power spectral density

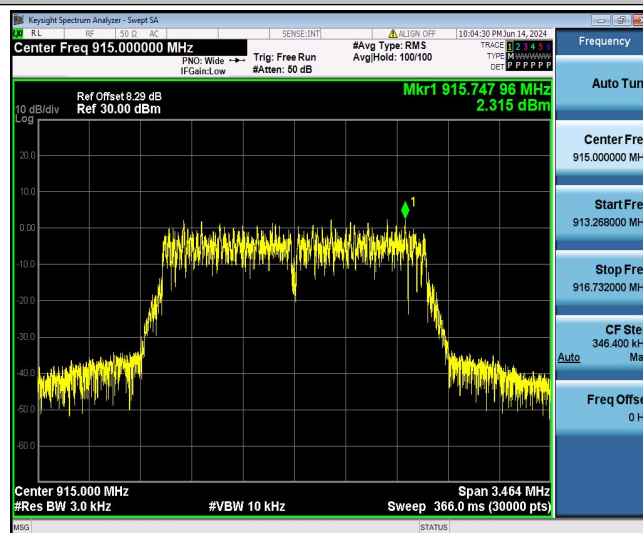
Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
SRD	Ant1	905	1.96	≤8.00	PASS
		915	2.32	≤8.00	PASS
		925	2.39	≤8.00	PASS

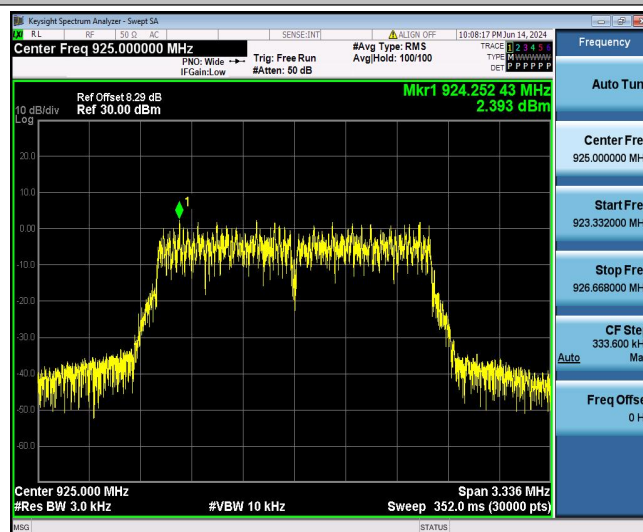
Test Graphs



SRD_Ant1_905



SRD_Ant1_915



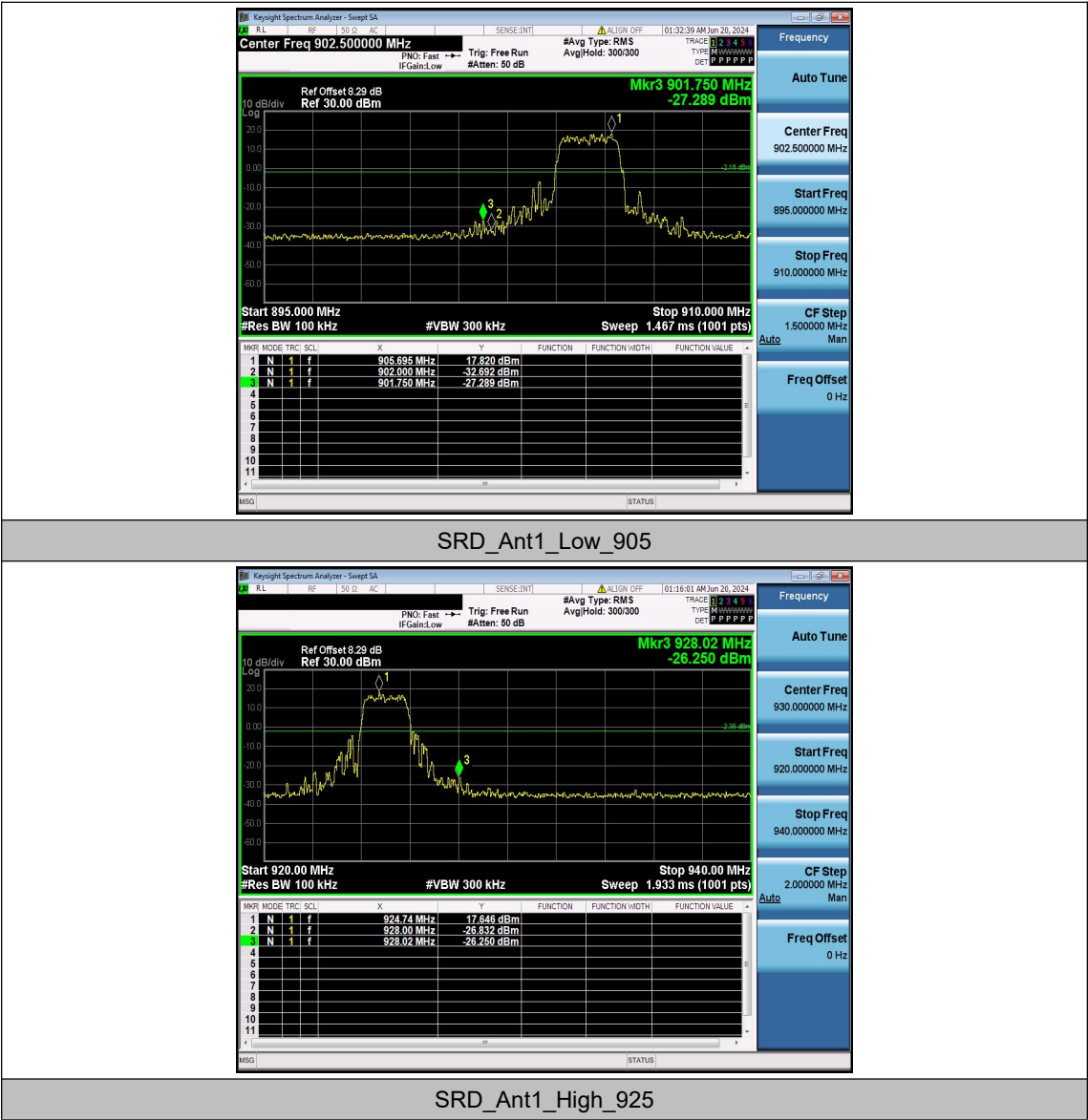
SRD_Ant1_925

Appendix B.6: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
SRD	Ant1	Low	905	17.82	-27.29	≤ -2.18	PASS
		High	925	17.65	-26.25	≤ -2.35	PASS

Test Graphs

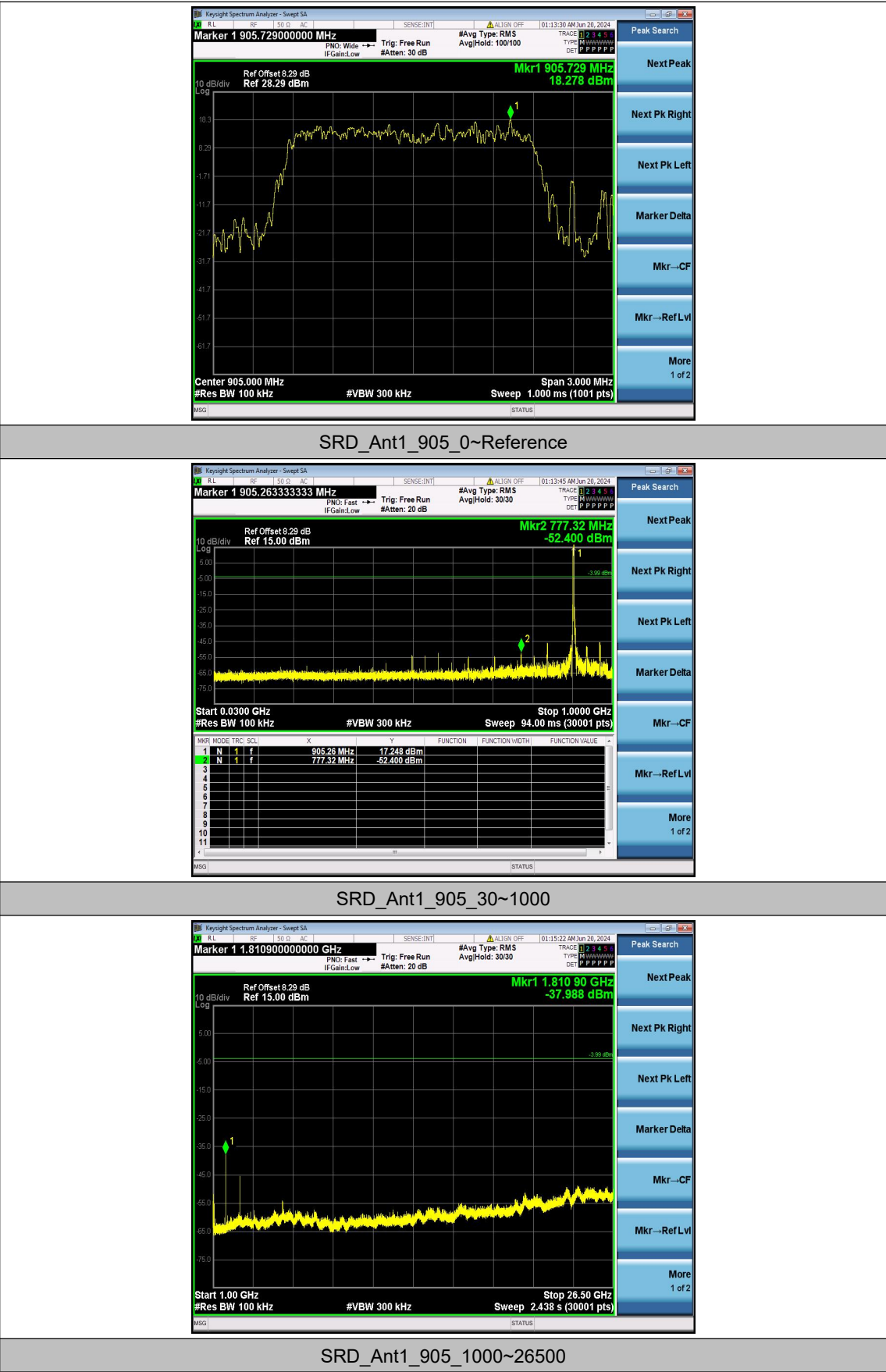


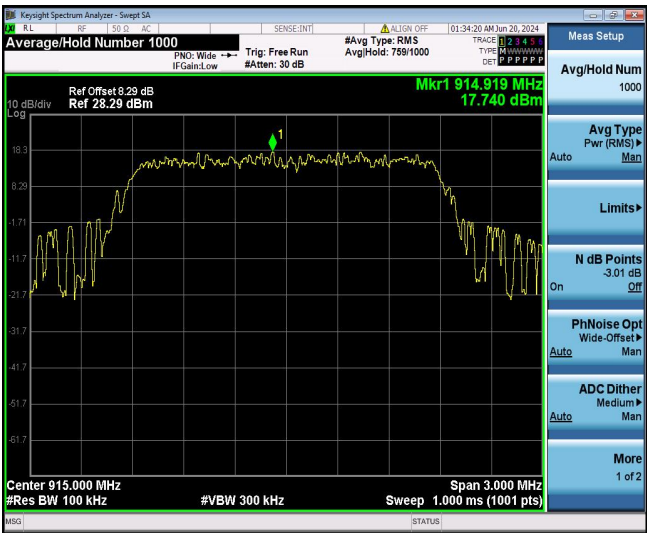
Appendix B.7: Conducted Spurious Emission

Test Result

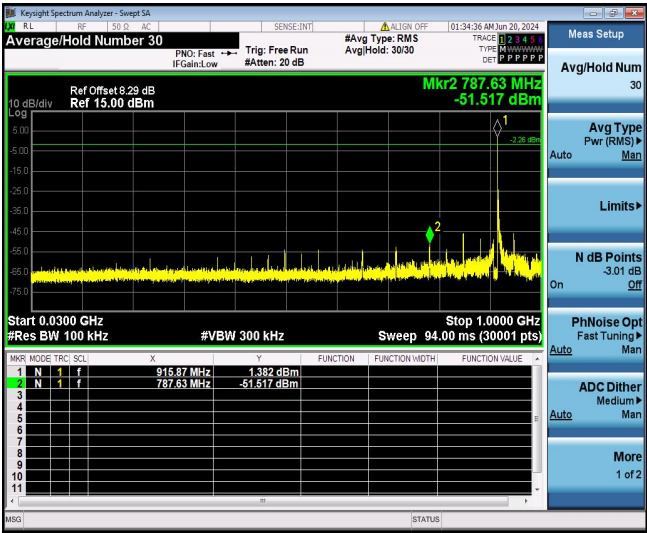
Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
SRD	Ant1	905	Reference	16.01	16.01	---	PASS
			30~1000	16.01	-52.4	≤ -3.99	PASS
			1000~26500	16.01	-37.99	≤ -3.99	PASS
		915	Reference	17.74	17.74	---	PASS
			30~1000	17.74	-51.52	≤ -2.26	PASS
			1000~26500	17.74	-35.55	≤ -2.26	PASS
		925	Reference	17.58	17.58	---	PASS
			30~1000	17.58	-52.3	≤ -2.42	PASS
			1000~26500	17.58	-37.01	≤ -2.42	PASS

Test Graphs

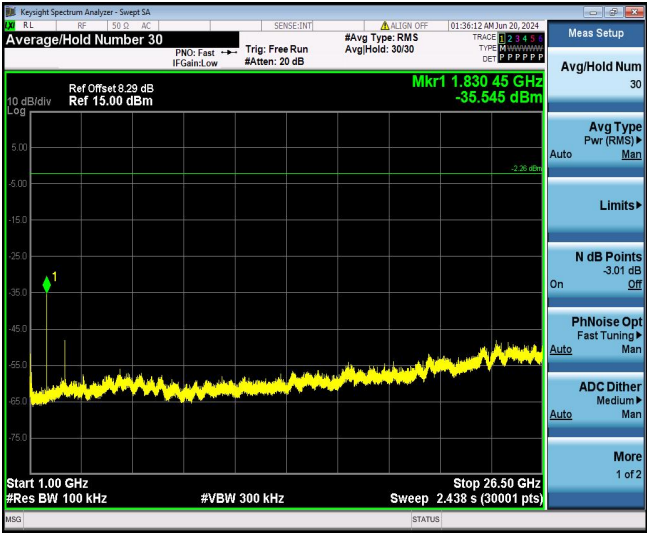




SRD_Ant1_915_0~Reference



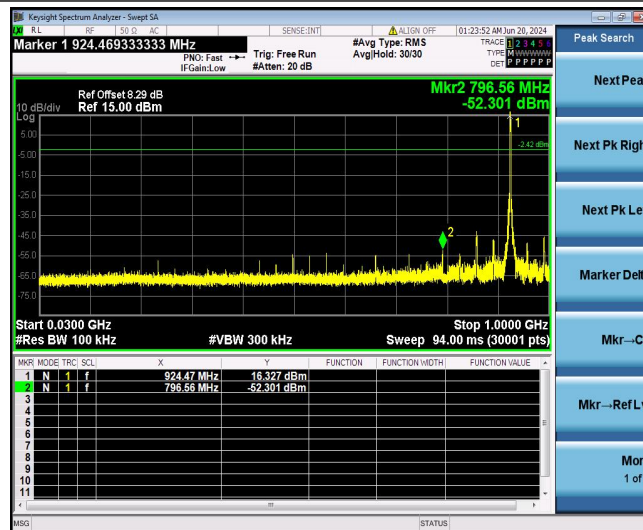
SRD_Ant1_915_30~1000



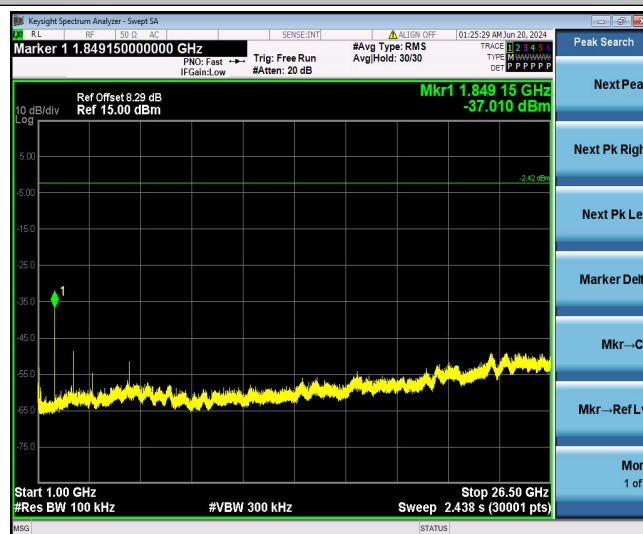
SRD_Ant1_915_1000~26500



SRD_Ant1_925_0~Reference



SRD_Ant1_925_30~1000



SRD_Ant1_925_1000~26500