



Appendix Test Data for SRD (Conducted Measurement)

Product Name: Remote control robot

Trade Mark: /

Test Model: R-152S

FCC ID: 2AIOGRL151

Environmental Conditions

Temperature:	23.5°C
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Max Zhang
NOTE	N/A

Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2415	0.632	2414.744	2415.376	0.5	PASS
SRD	Ant1	2440	0.660	2439.748	2440.408	0.5	PASS
SRD	Ant1	2465	0.612	2464.740	2465.352	0.5	PASS

Note: offset(dB) = cable loss(dB) + attenuator factor(dB)





Test Graphs





SRD-Ant1-2465-PASS





Appendix B: Occupied Channel Bandwidth

Test Result

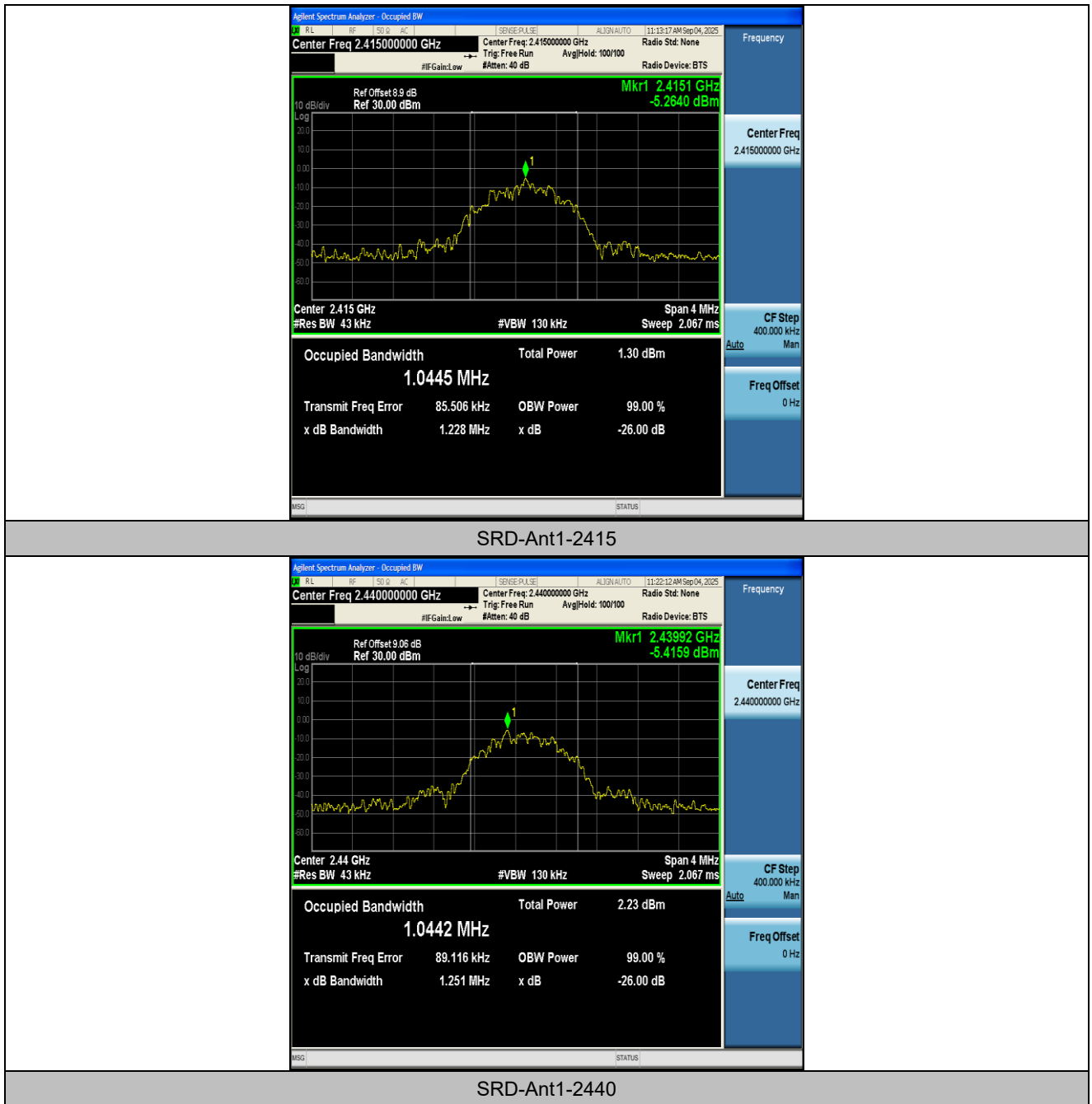
Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2415	1.0445	2414.5633	2415.6078	---	---
SRD	Ant1	2440	1.0442	2439.5670	2440.6112	---	---
SRD	Ant1	2465	1.0558	2464.5614	2465.6172	---	---

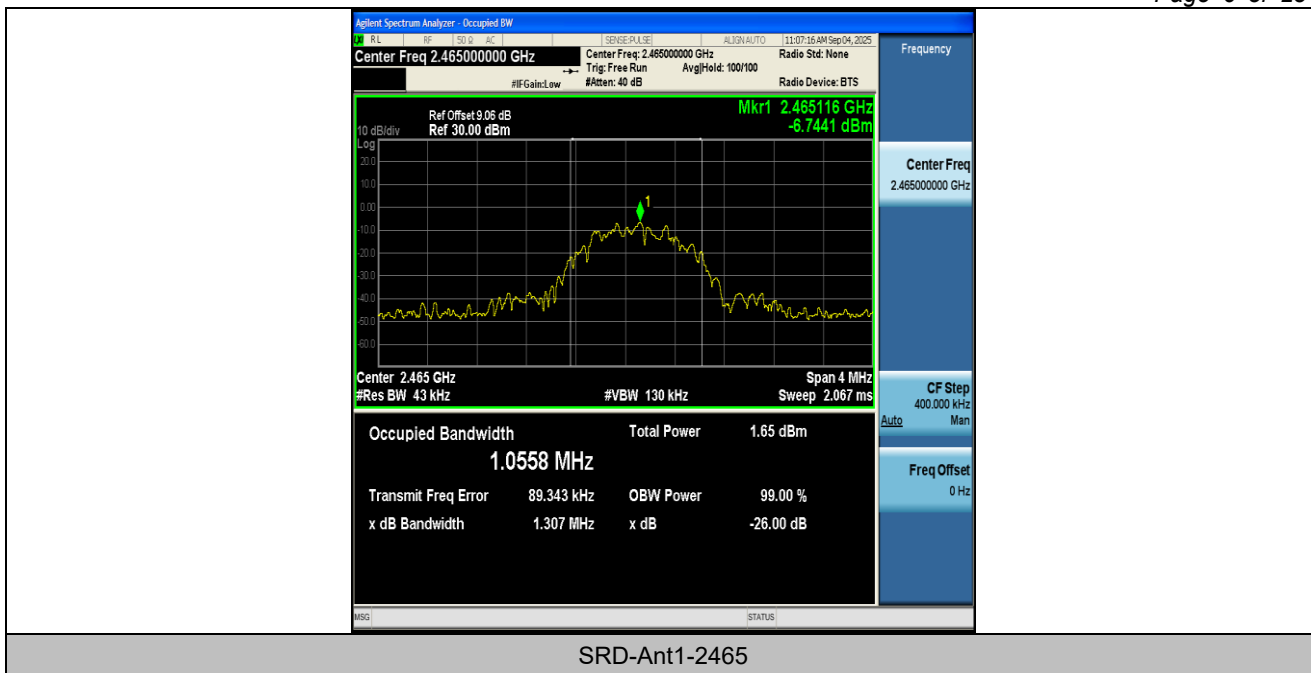
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)





Test Graphs





SRD-Ant1-2465





Appendix C: Maximum peak conducted output power

Test Result Peak

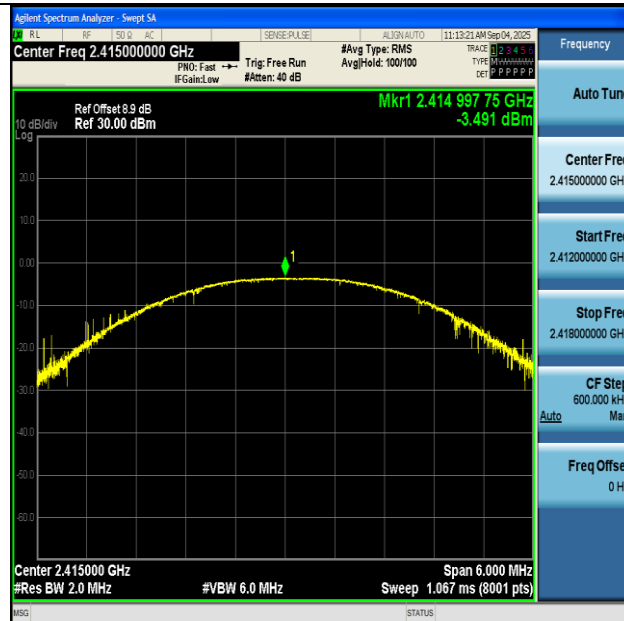
Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
SRD	Ant1	2415	-3.49	≤30	PASS
SRD	Ant1	2440	-2.13	≤30	PASS
SRD	Ant1	2465	-2.62	≤30	PASS

Note: offset(dB) = cable loss(dB) + attenuator factor(dB)

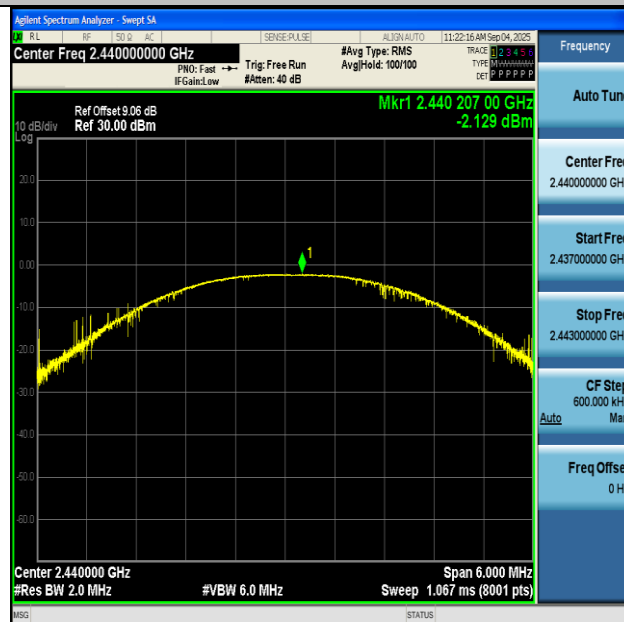




Test Graphs Peak

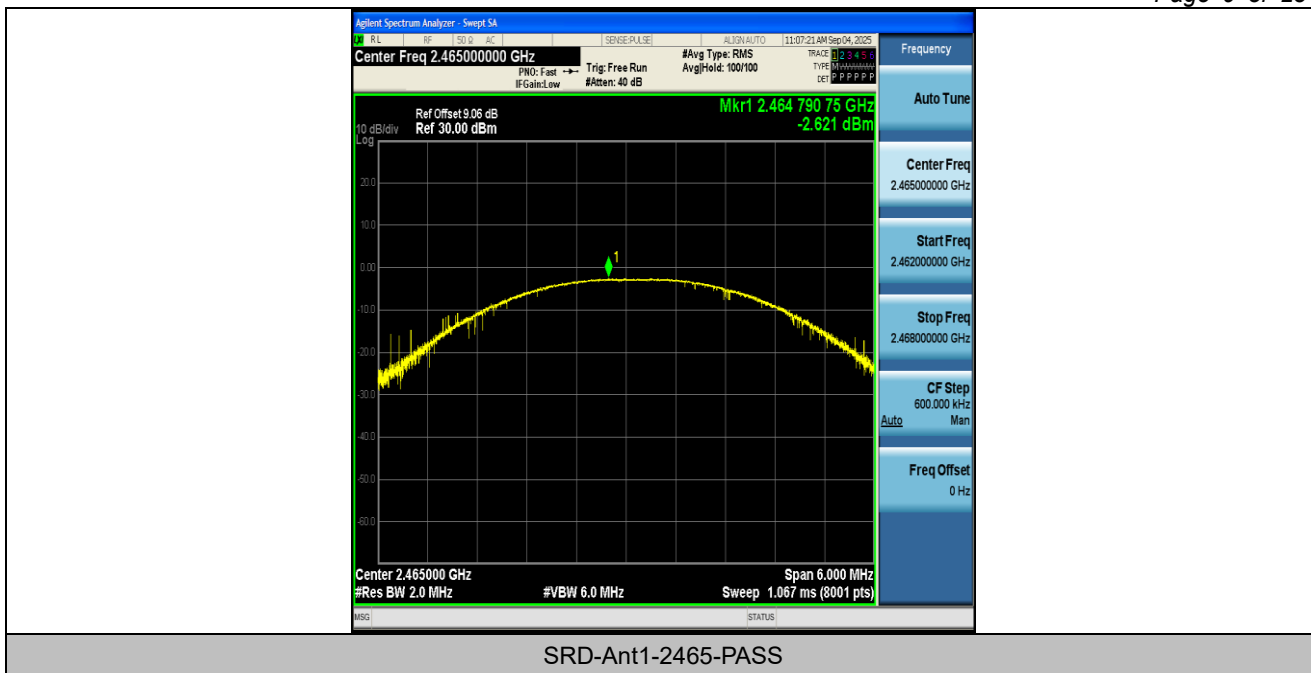


SRD-Ant1-2415-PASS



SRD-Ant1-2440-PASS







Appendix D: Maximum peak power spectral density

Test Result

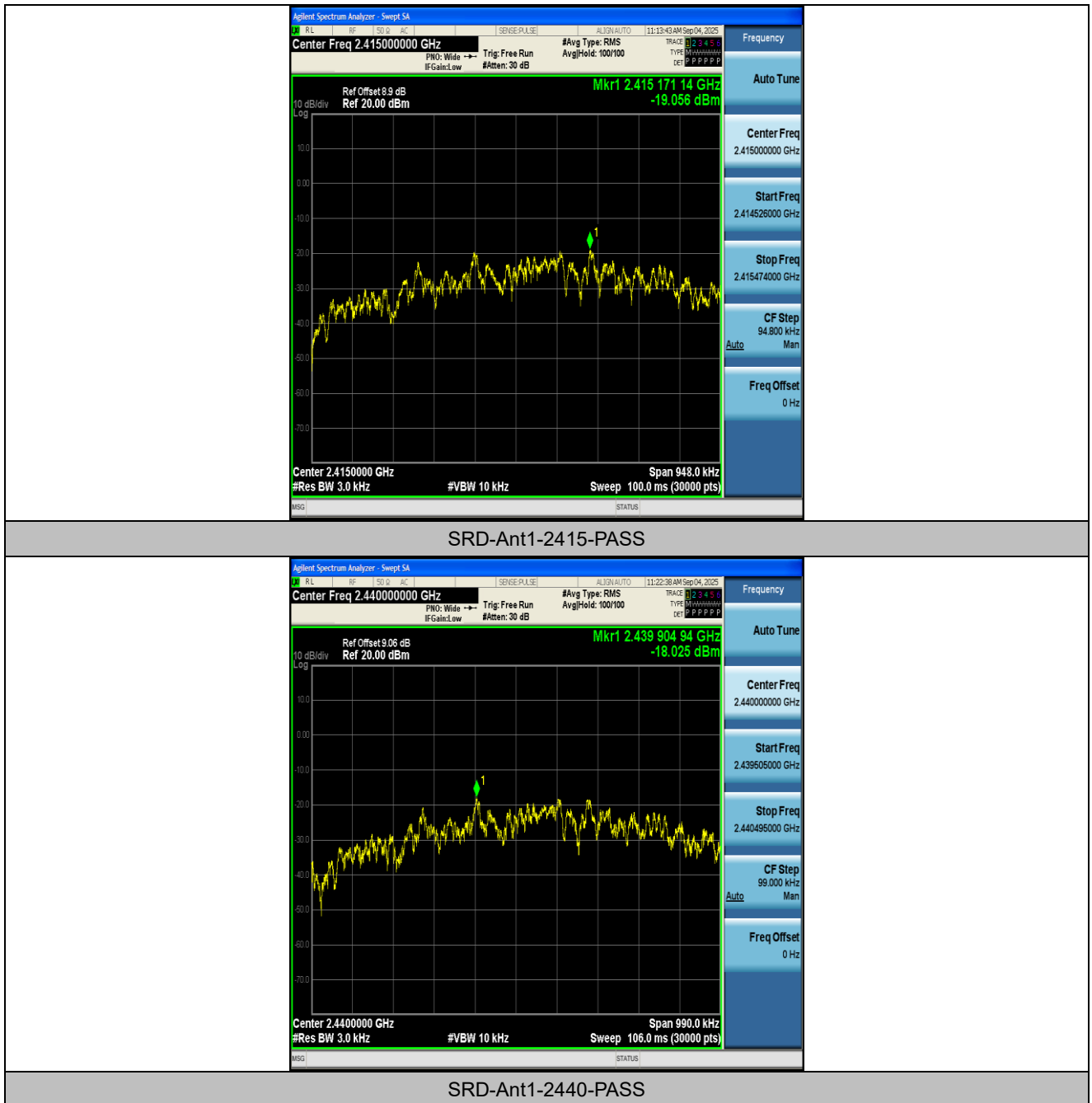
Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
SRD	Ant1	2415	-19.06	≤8.00	PASS
SRD	Ant1	2440	-18.03	≤8.00	PASS
SRD	Ant1	2465	-18.65	≤8.00	PASS

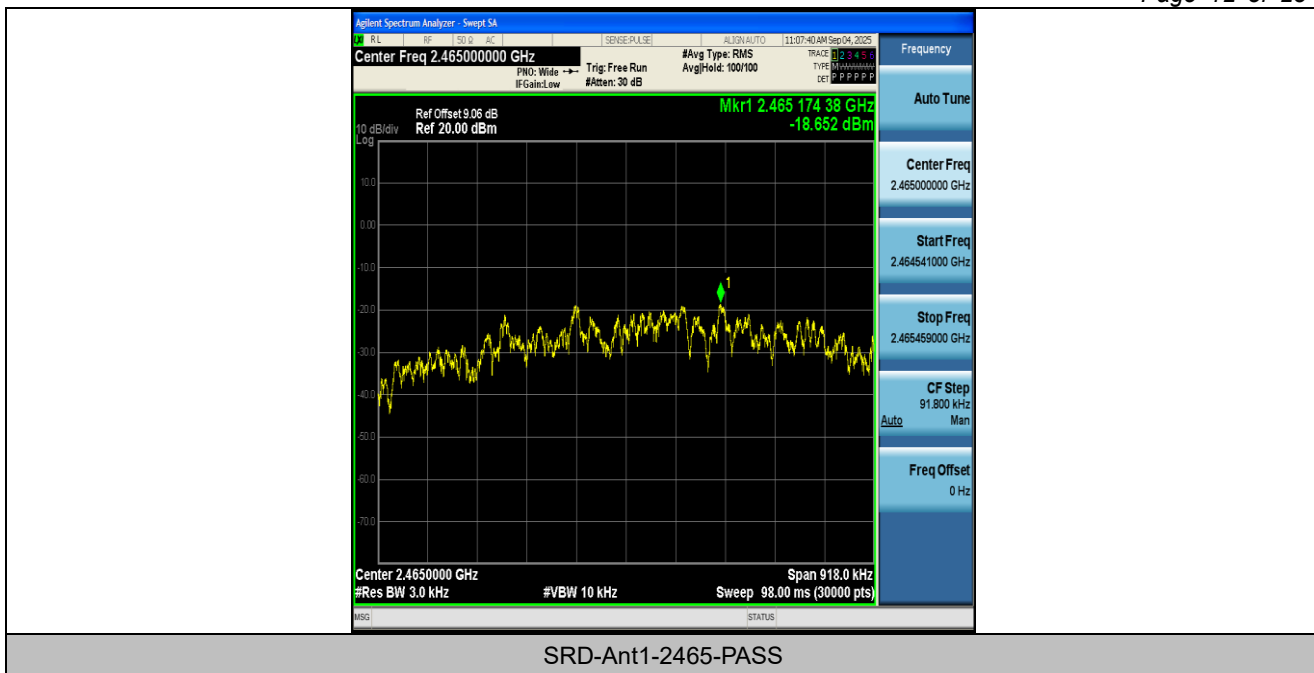
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)





Test Graphs







Appendix E: Band edge measurements

Test Result

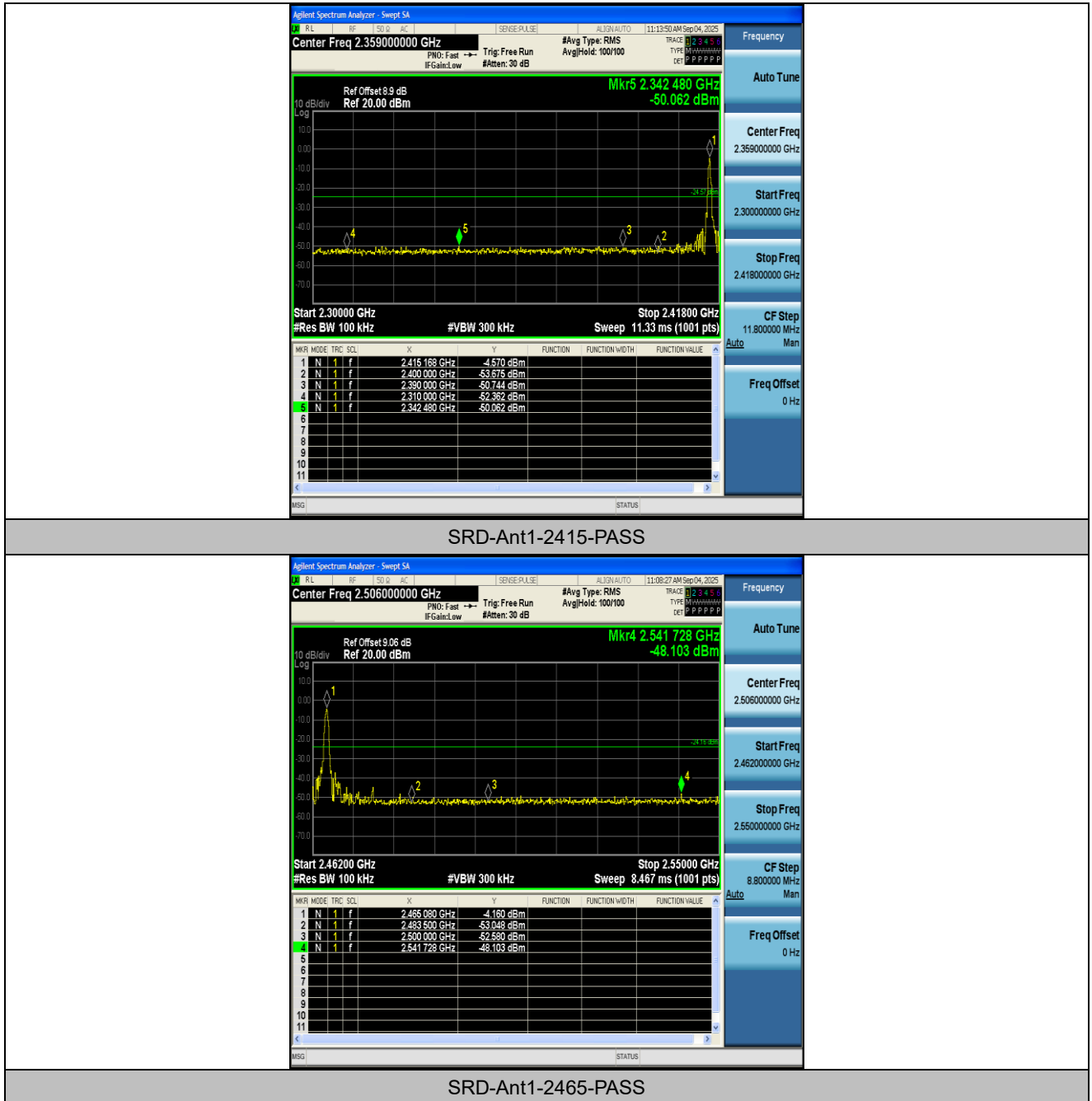
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	Low	2415	-4.57	-50.06	≤ -24.57	PASS
SRD	Ant1	High	2465	-4.16	-48.1	≤ -24.16	PASS

Note: offset(dB) = cable loss(dB) + attenuator factor(dB)





Test Graphs





Appendix F: Conducted Spurious Emission

Test Result

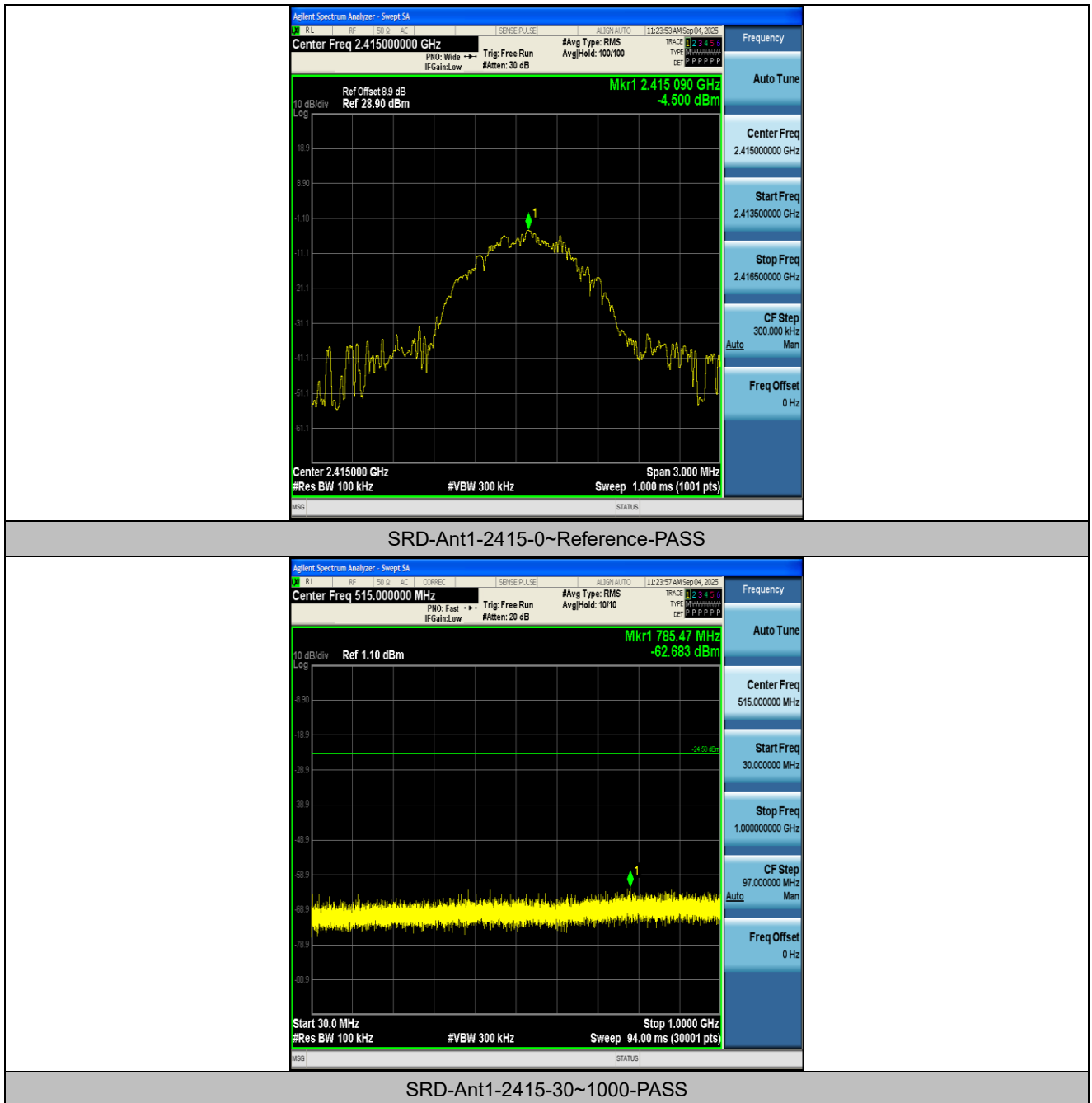
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	2415	0~Reference	-4.50	-4.50	---	PASS
SRD	Ant1	2415	30~1000	-4.50	-62.68	≤-24.5	PASS
SRD	Ant1	2415	1000~26500	-4.50	-44.89	≤-24.5	PASS
SRD	Ant1	2440	0~Reference	-3.10	-3.10	---	PASS
SRD	Ant1	2440	30~1000	-3.10	-62.48	≤-23.1	PASS
SRD	Ant1	2440	1000~26500	-3.10	-44.95	≤-23.1	PASS
SRD	Ant1	2465	0~Reference	-4.17	-4.17	---	PASS
SRD	Ant1	2465	30~1000	-4.17	-56.33	≤-24.17	PASS
SRD	Ant1	2465	1000~26500	-4.17	-45.76	≤-24.17	PASS

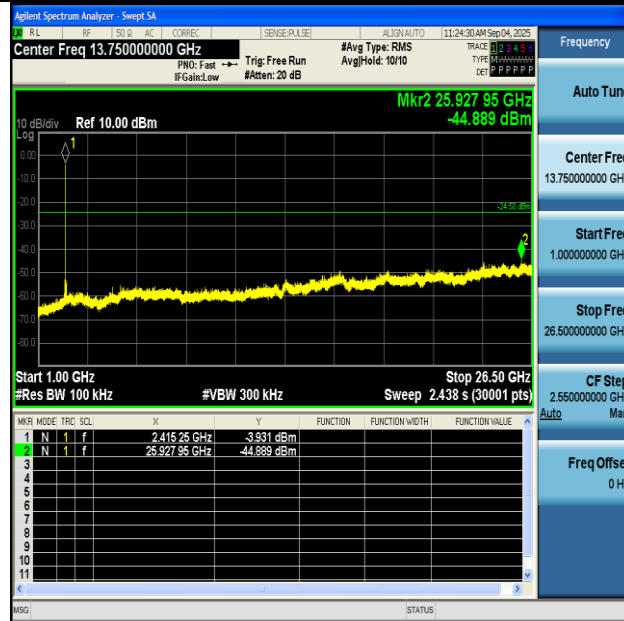
Note: offset(dB) in Reference test plots = cable loss(dB) + attenuator factor(dB); For spurious emissions plots from 30MHz to 26.5GHz, the cable loss and attenuator factors have been set in the 'Input Correction' of the Spectrum Analyzer during the test.





Test Graphs



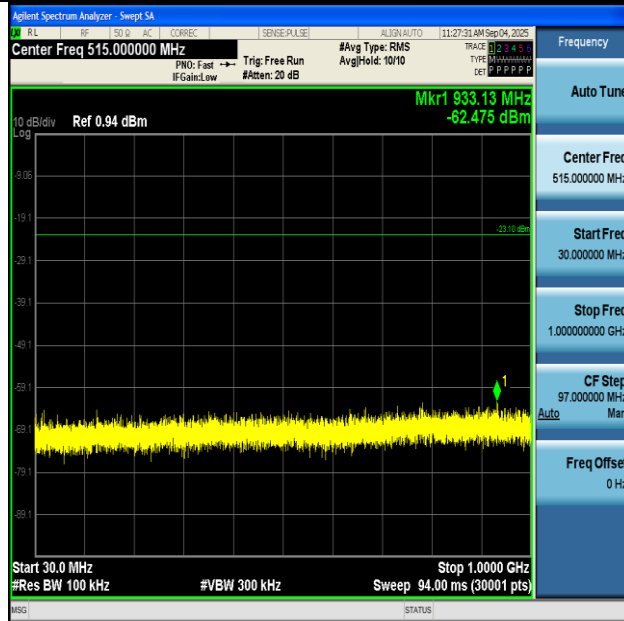


SRD-Ant1-2415-1000~26500-PASS

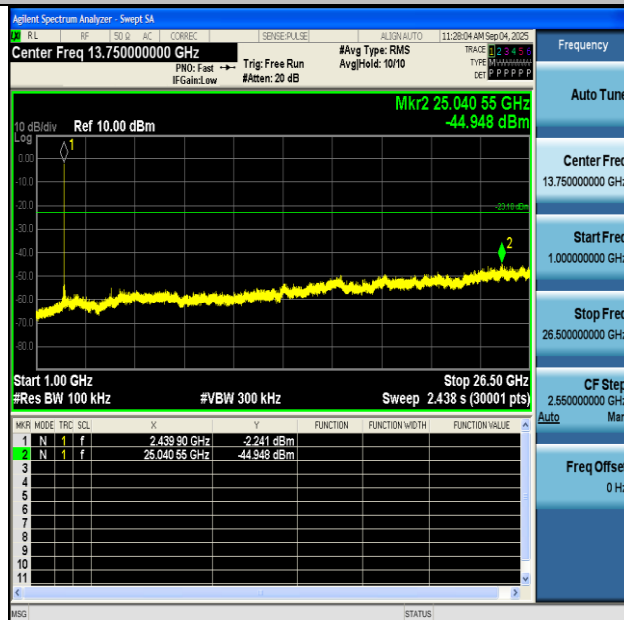


SRD-Ant1-2440-0~Reference-PASS





SRD-Ant1-2440-30~1000-PASS

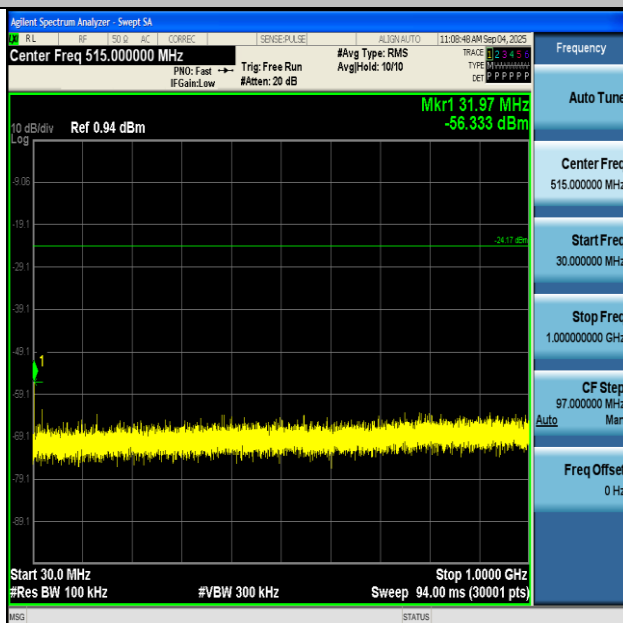


SRD-Ant1-2440-1000~26500-PASS



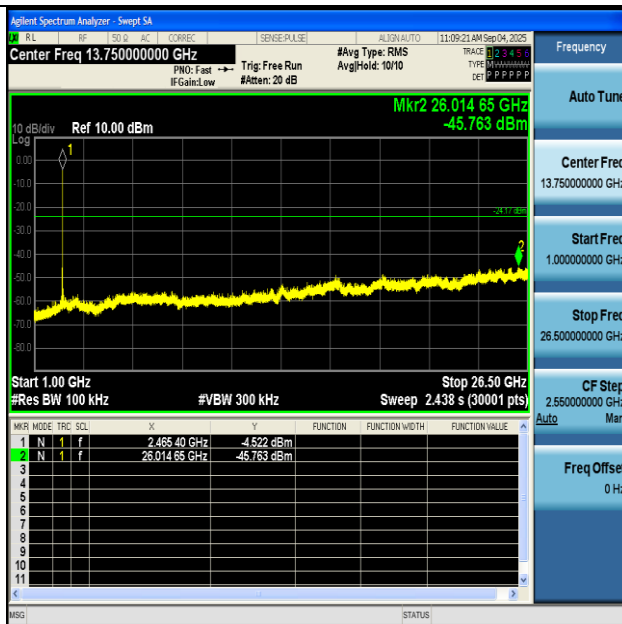


SRD-Ant1-2465-0~Reference-PASS



SRD-Ant1-2465-30~1000-PASS





SRD-Ant1-2465-1000~26500-PASS





Appendix G: Duty Cycle

Test Result

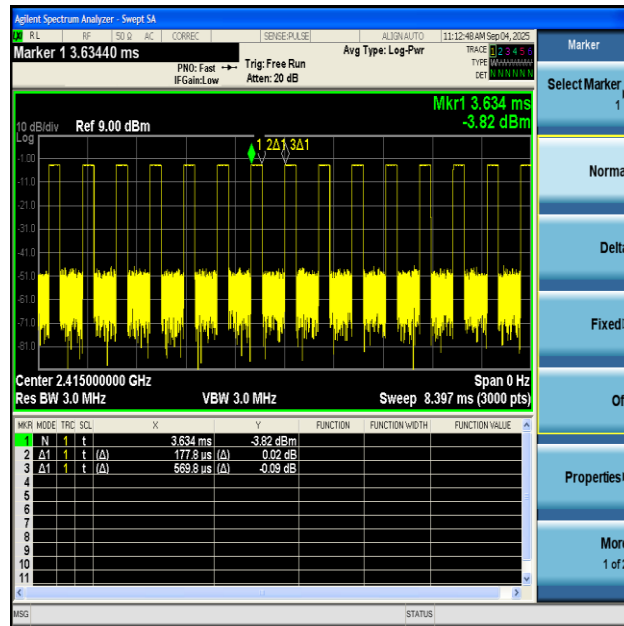
Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor [dB]
SRD	Ant1	2415	0.18	0.57	31.03	4.85
SRD	Ant1	2440	0.18	0.57	31.03	4.85
SRD	Ant1	2465	0.19	0.58	32.76	4.85

Note: offset(dB) = cable loss(dB) + attenuator factor(dB)

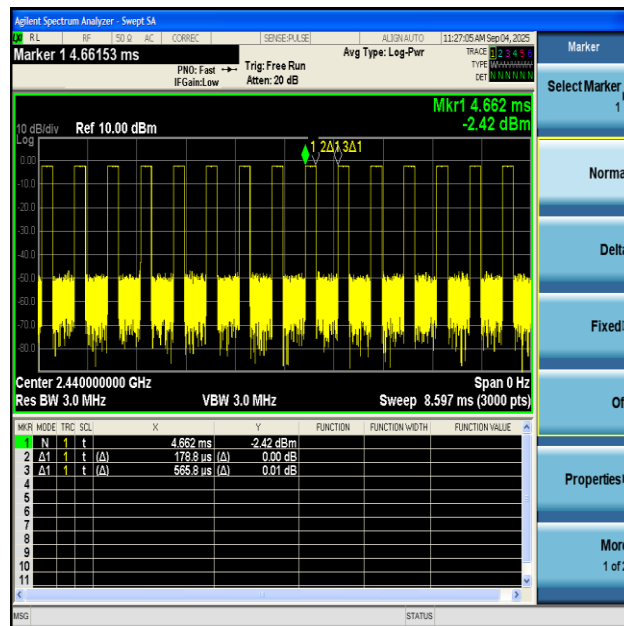




Test Graphs



NTNV-SRD-Ant1-2415



NTNV-SRD-Ant1-2440



