

Appendix Test Data for SRD (Conducted Measurement)

Product Name: RC CAR

Trade Mark: /

Test Model: RC1169

FCC ID: 2AFIOWJRC1169

Environmental Conditions

Temperature:	23.5℃
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	2405	0.680	2404.692	2405.372	0.5	PASS
SRD	Ant1	2439	0.680	2438.652	2439.332	0.5	PASS
SRD	Ant1	2475	0.672	2474.684	2475.356	0.5	PASS

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

Test Graphs





Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
SRD	Ant1	2405	1.1263	2404.4412	2405.5675	---	---
SRD	Ant1	2439	1.1666	2438.3973	2439.5639	---	---
SRD	Ant1	2475	1.2706	2474.3995	2475.6701	---	---

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

Test Graphs





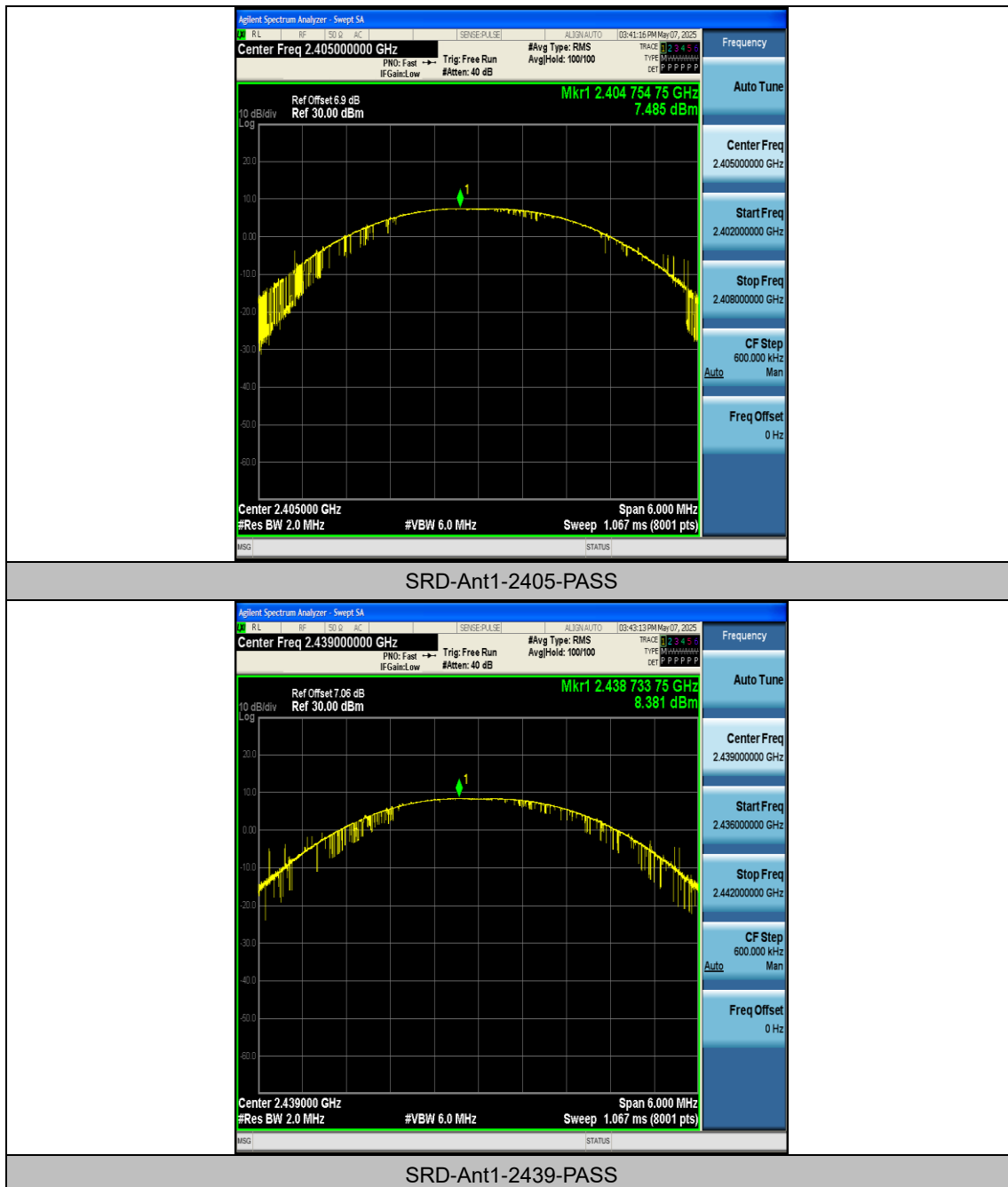
Appendix C: Maximum peak conducted output power

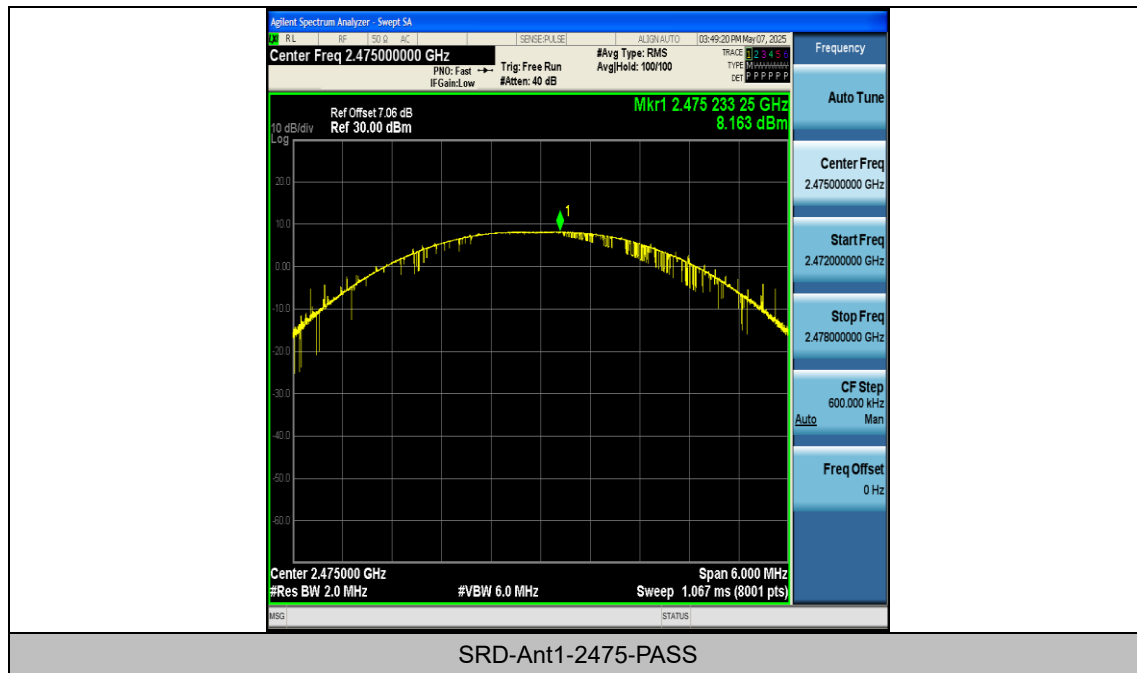
Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
SRD	Ant1	2405	7.49	≤30	PASS
SRD	Ant1	2439	8.38	≤30	PASS
SRD	Ant1	2475	8.16	≤30	PASS

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

Test Graphs Peak





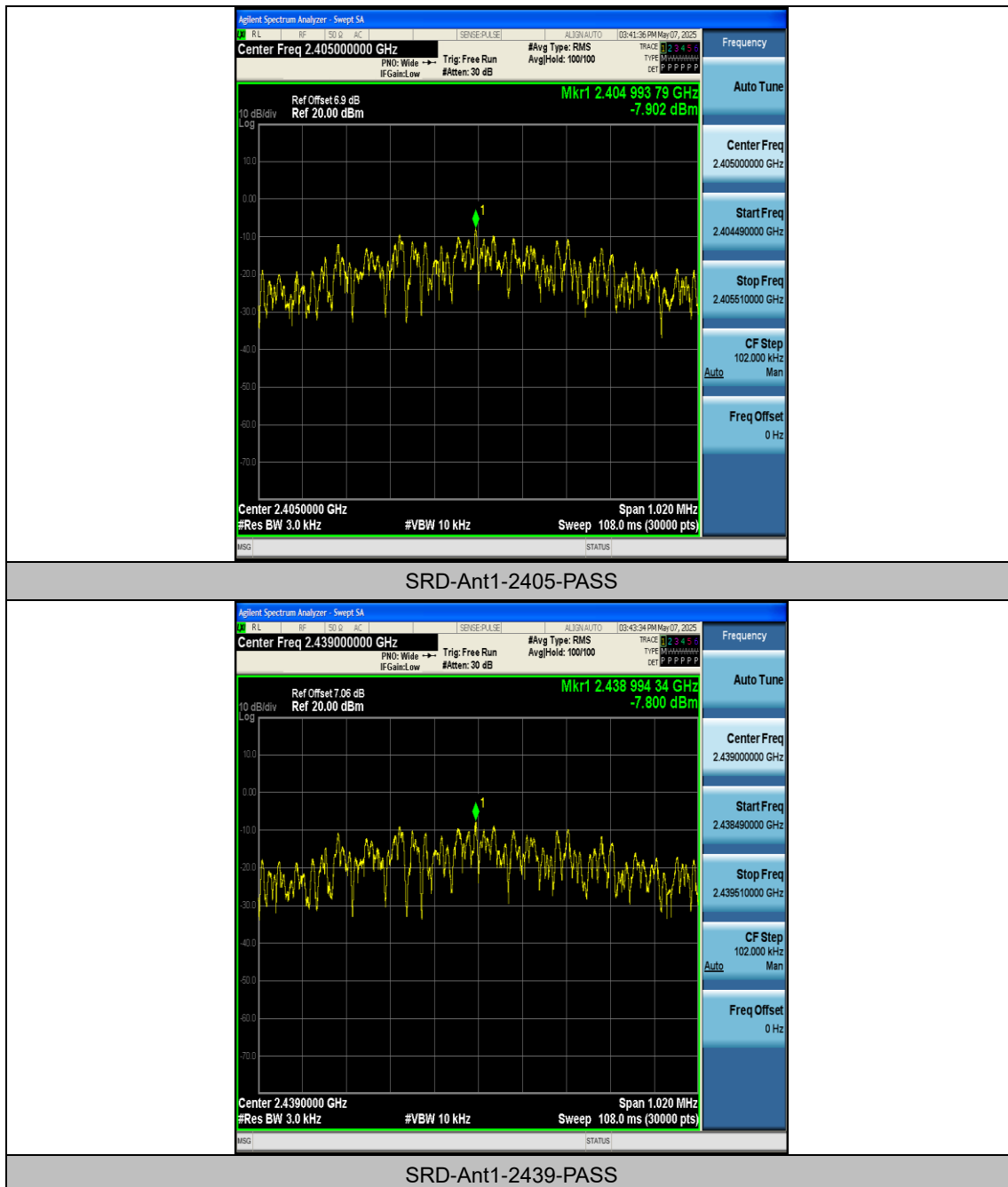
Appendix D: Maximum peak power spectral density

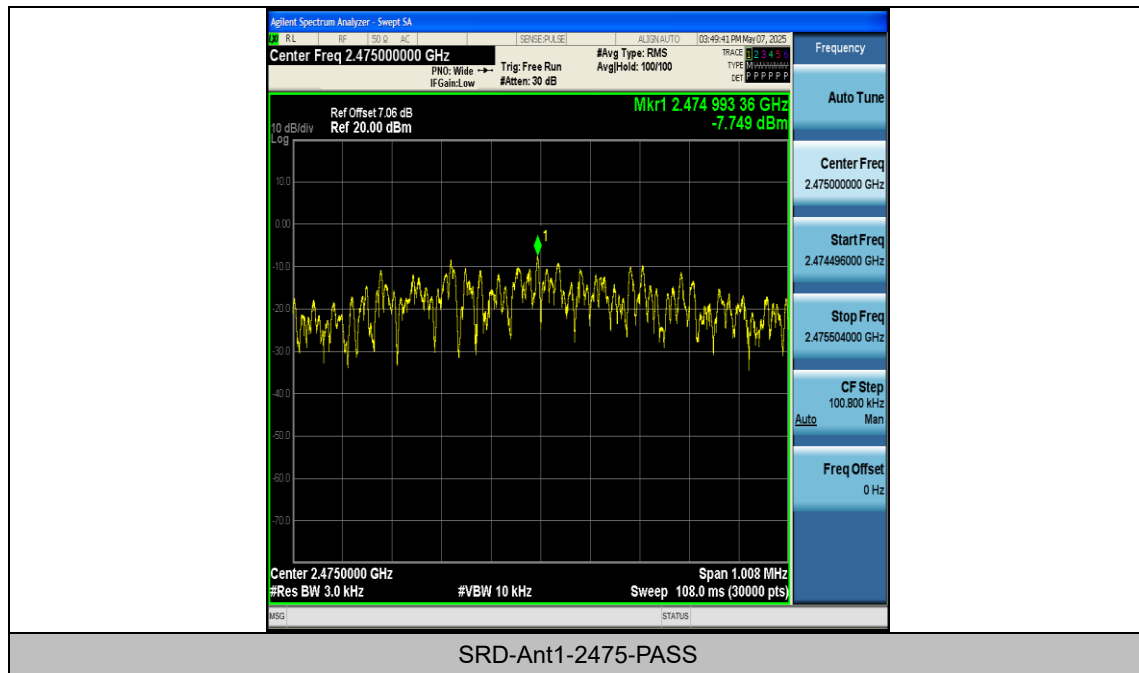
Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
SRD	Ant1	2405	-7.90	≤8.00	PASS
SRD	Ant1	2439	-7.80	≤8.00	PASS
SRD	Ant1	2475	-7.75	≤8.00	PASS

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

Test Graphs





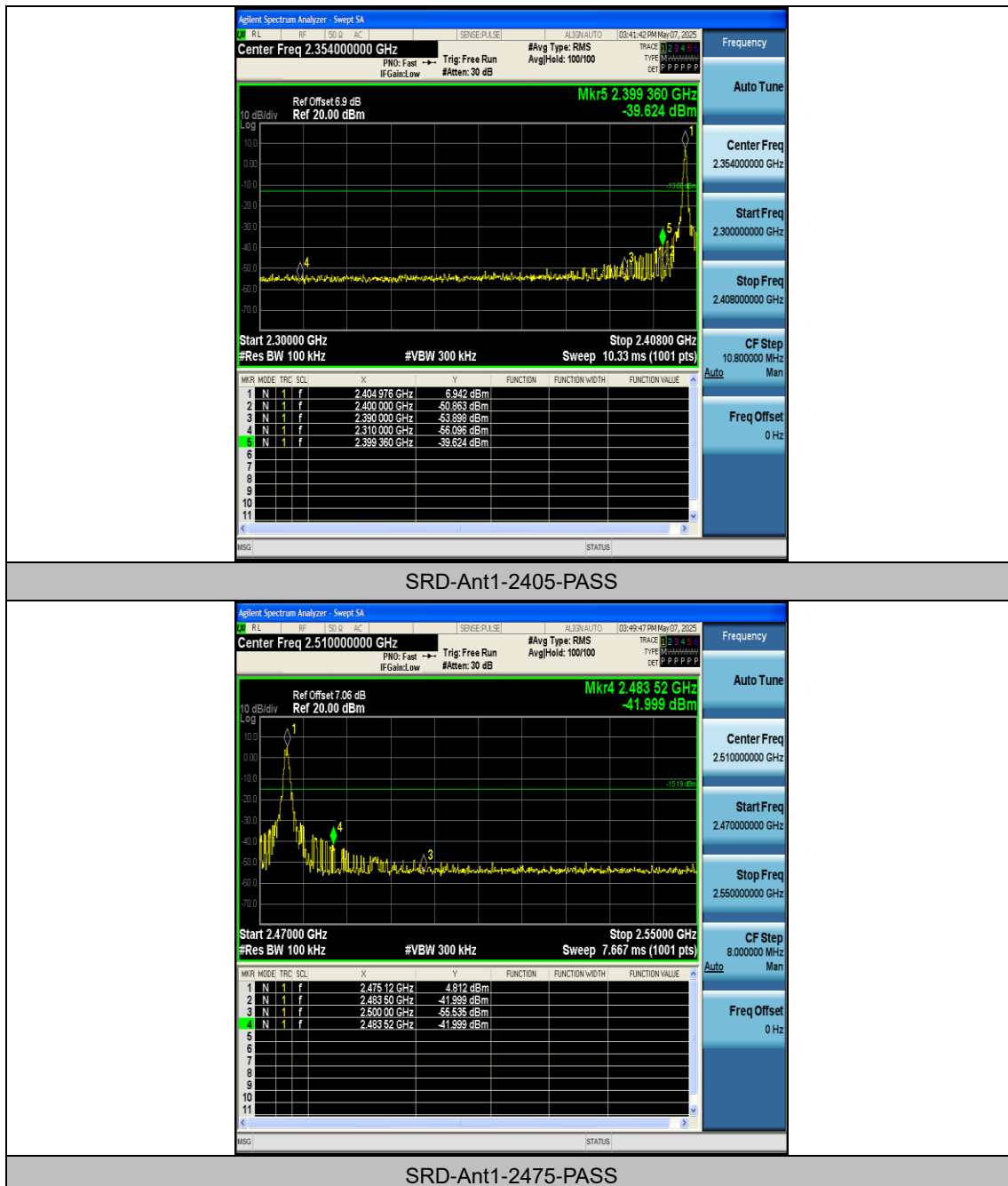
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	Low	2405	6.94	-39.62	≤ -13.06	PASS
SRD	Ant1	High	2475	4.81	-42	≤ -15.19	PASS

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

Test Graphs



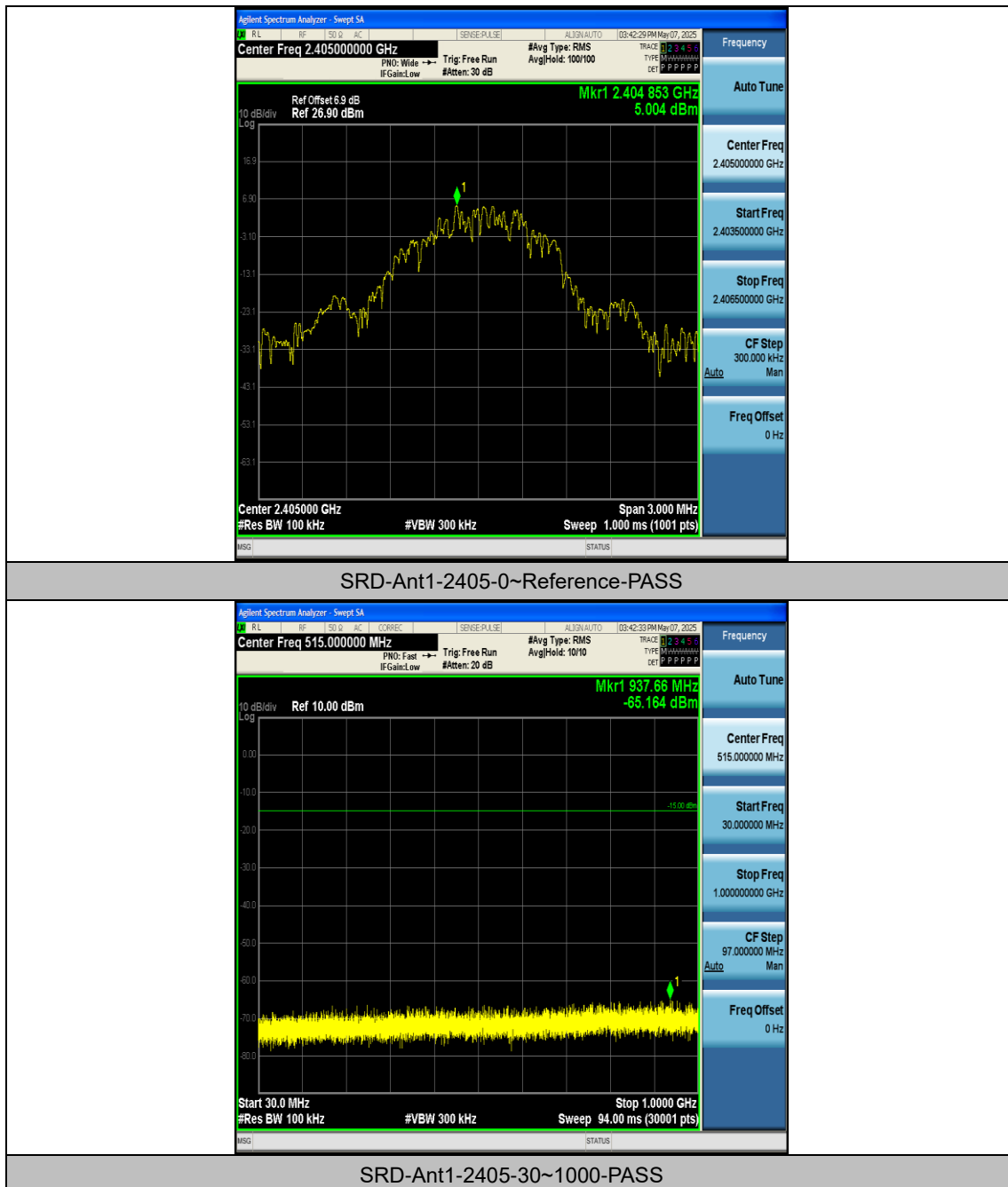
Appendix F: Conducted Spurious Emission

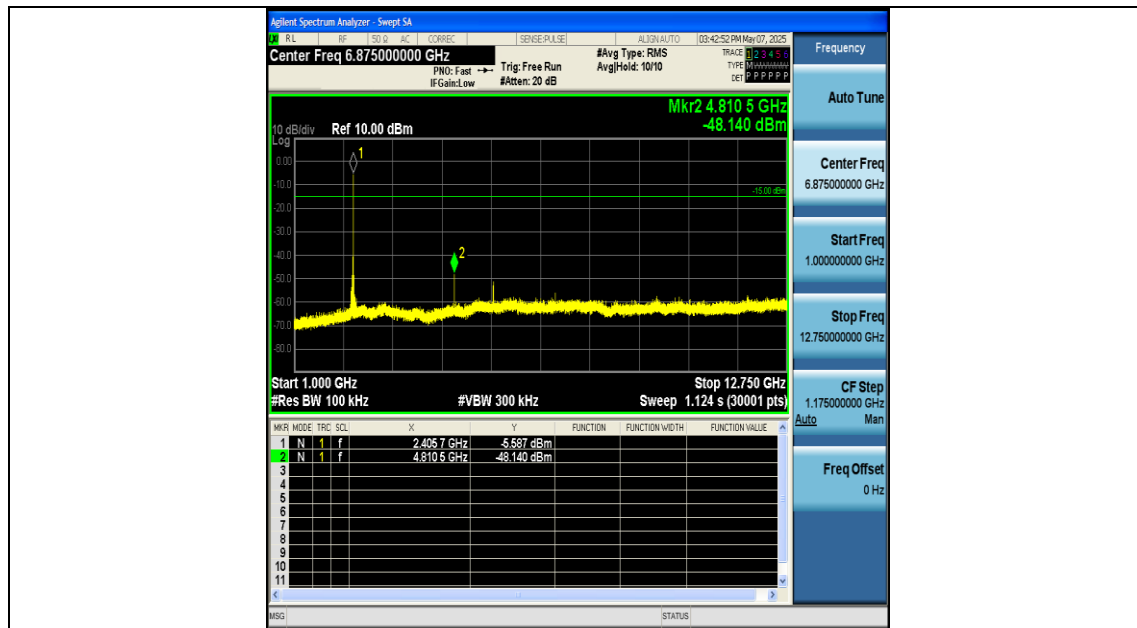
Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
SRD	Ant1	2405	0~Reference	5.00	5.00	---	PASS
SRD	Ant1	2405	30~1000	5.00	-65.16	≤-15	PASS
SRD	Ant1	2405	1000~12750	5.00	-48.14	≤-15	PASS
SRD	Ant1	2439	0~Reference	7.22	7.22	---	PASS
SRD	Ant1	2439	30~1000	7.22	-64.93	≤-12.78	PASS
SRD	Ant1	2439	1000~12750	7.22	-51.72	≤-12.78	PASS
SRD	Ant1	2475	0~Reference	5.67	5.67	---	PASS
SRD	Ant1	2475	30~1000	5.67	-65.21	≤-14.33	PASS
SRD	Ant1	2475	1000~12750	5.67	-51.27	≤-14.33	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

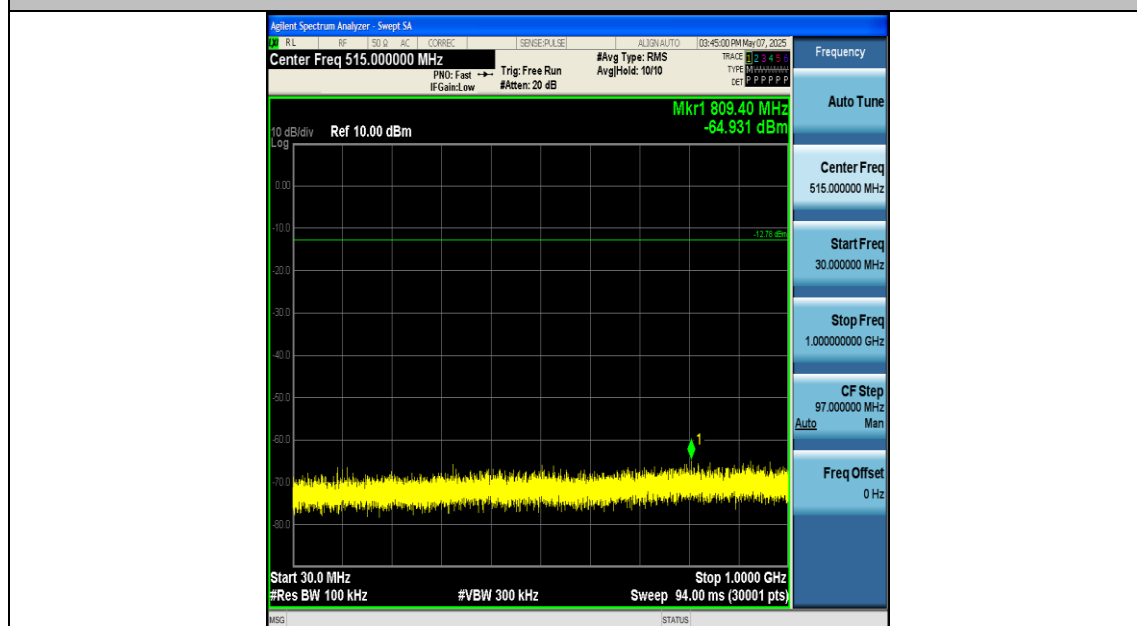




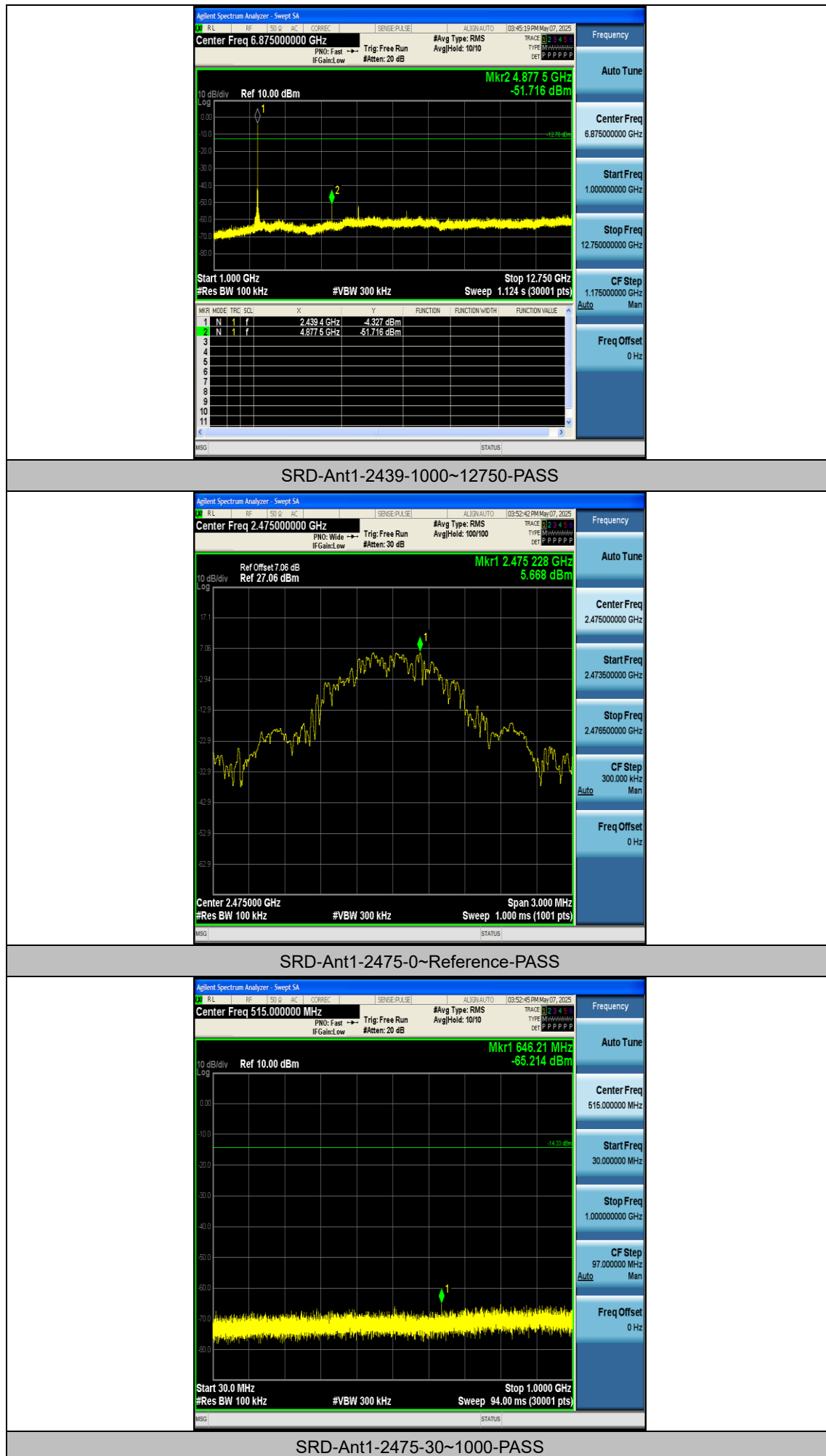
SRD-Ant1-2405-1000~12750-PASS

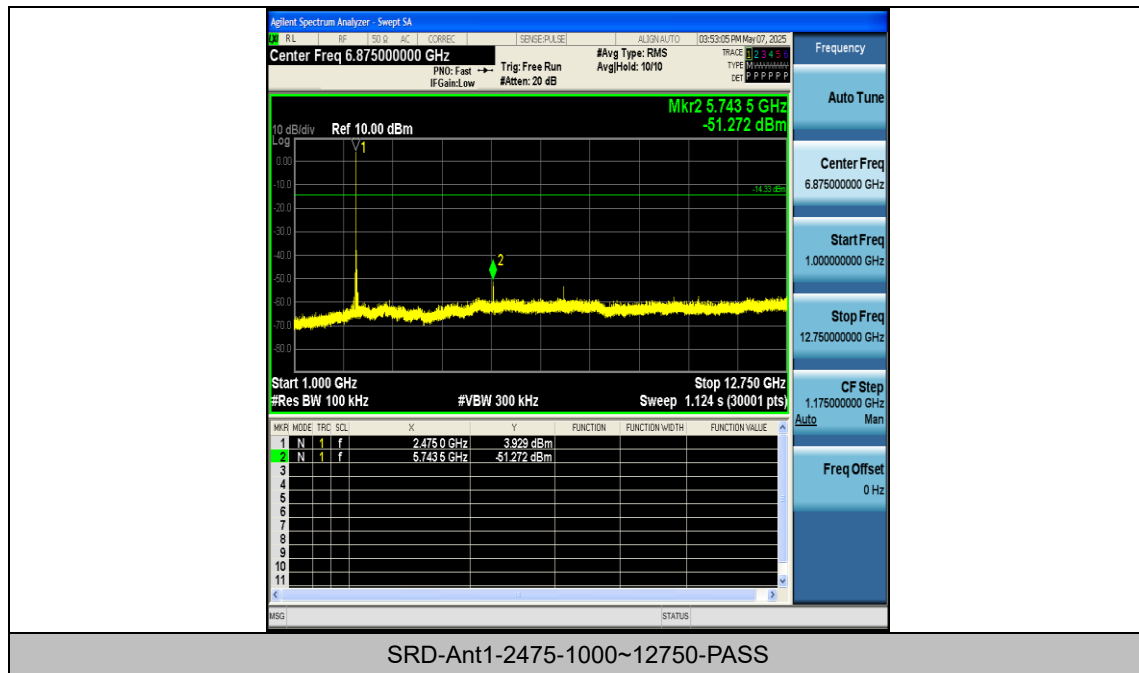


SRD-Ant1-2439-0~Reference-PASS



SRD-Ant1-2439-30~1000-PASS





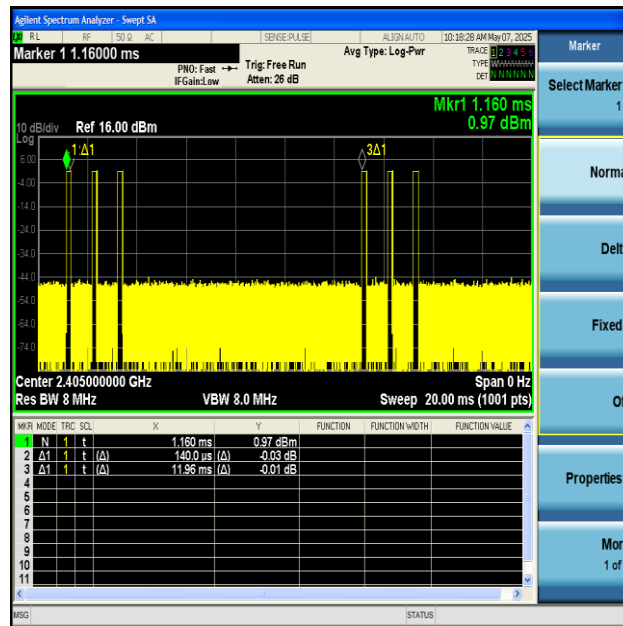
Appendix G: Duty Cycle

Test Result

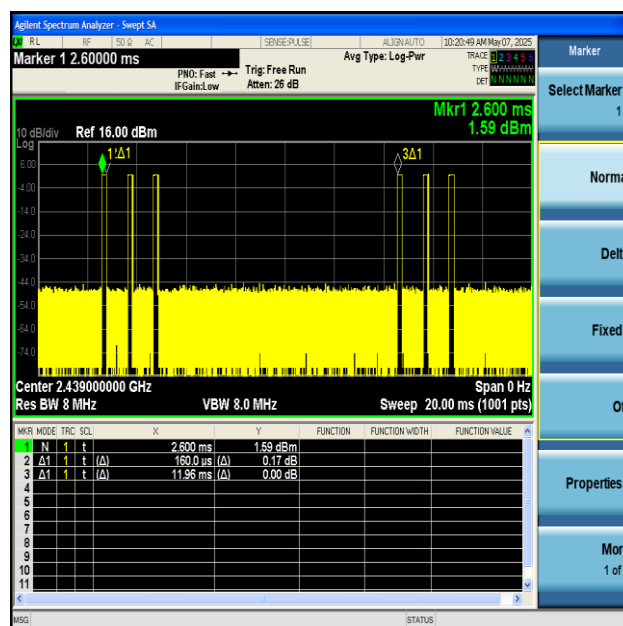
Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor [dB]
SRD	Ant1	2405	0.42	11.96	3.51	14.54
SRD	Ant1	2439	0.48	11.96	4.01	13.97
SRD	Ant1	2475	0.46	11.95	3.85	14.15

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

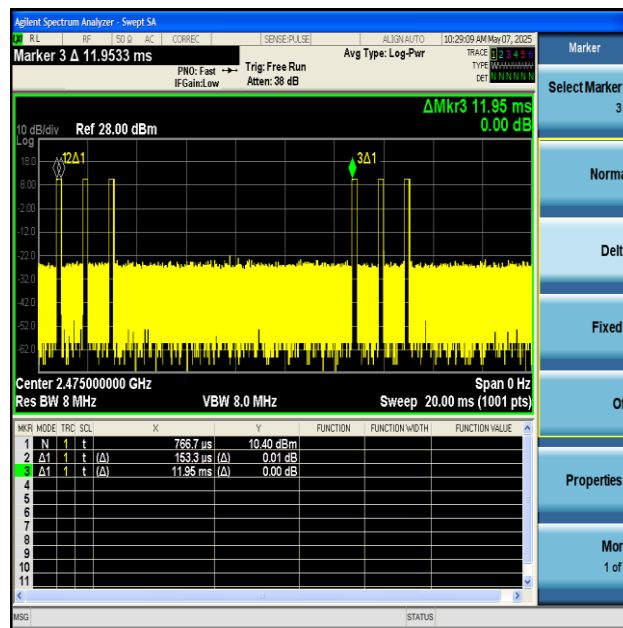
Test Graphs



NTNV-SRD-Ant1-2405



NTNV-SRD-Ant1-2439



NTNV-SRD-Ant1-2475