

Case No. : <u>GTS20250926009-3-05</u>
Ambient Condition: <u>23</u> °C, <u>47</u> %RH
According Standard: <u>■Part15E</u>
Test Date: <u>2025.09.14- 2025.11.12</u> Test Engineer: <u>Evan ouyang</u>

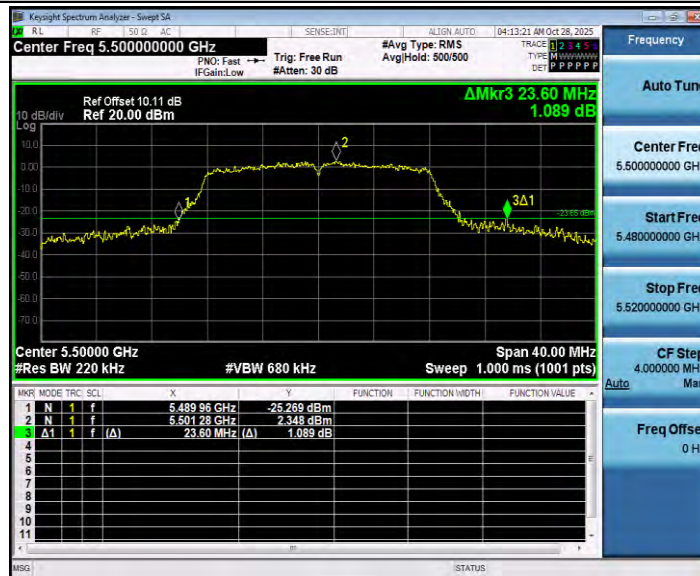
Appendix F.1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5500	23.600	5489.960	5513.560	---	---
		5580	21.360	5569.280	5590.640	---	---
		5700	20.920	5689.560	5710.480	---	---
11N20SISO	Ant1	5500	27.440	5488.200	5515.640	---	---
		5580	27.360	5566.600	5593.960	---	---
		5700	27.040	5686.280	5713.320	---	---
11N40SISO	Ant1	5510	41.680	5489.680	5531.360	---	---
		5590	62.400	5558.880	5621.280	---	---
		5670	42.000	5649.200	5691.200	---	---
11AC20SISO	Ant1	5500	20.600	5489.720	5510.320	---	---
		5580	21.600	5569.080	5590.680	---	---
		5700	21.440	5689.720	5711.160	---	---
11AC40SISO	Ant1	5510	40.560	5489.760	5530.320	---	---
		5590	40.240	5569.840	5610.080	---	---
		5670	40.960	5649.760	5690.720	---	---
11AC80SISO	Ant1	5530	80.640	5489.680	5570.320	---	---
		5610	130.080	5530.640	5660.720	---	---

Test Graphs

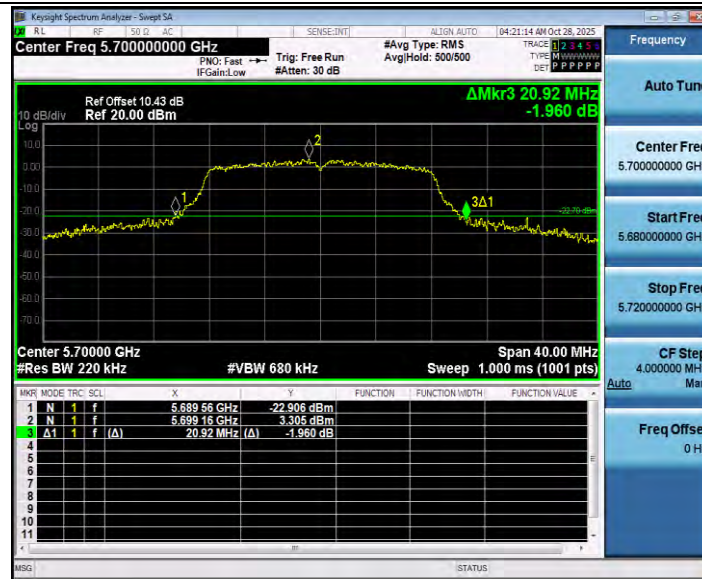
11A_Ant1_5500



11A_Ant1_5580



11A_Ant1_5700



11N20SISO_Ant1_5500



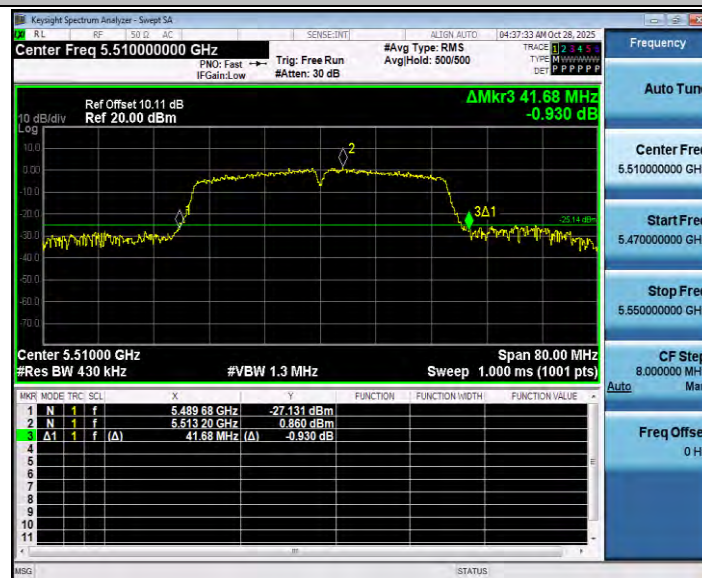
11N20SISO_Ant1_5580



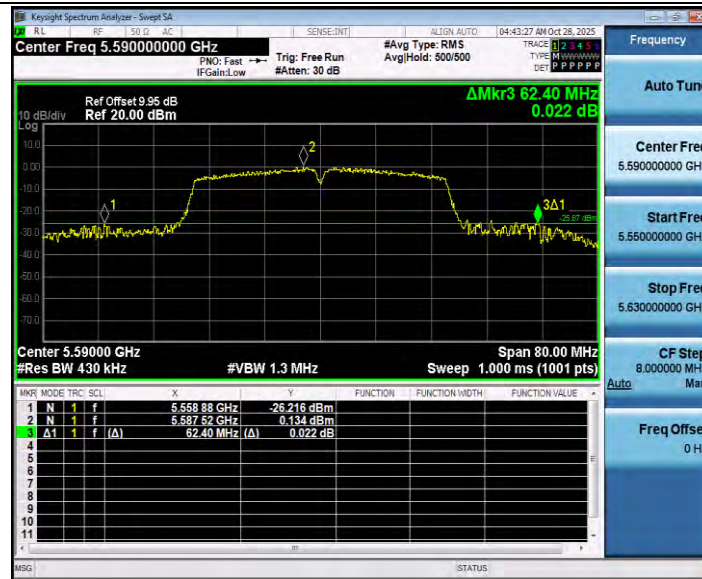
11N20SISO_Ant1_5700



11N40SISO_Ant1_5510



11N40SISO_Ant1_5590



11N40SISO_Ant1_5670



11AC20SISO_Ant1_5500



11AC20SISO_Ant1_5580



11AC20SISO_Ant1_5700



11AC40SISO_Ant1_5510



11AC40SISO_Ant1_5590



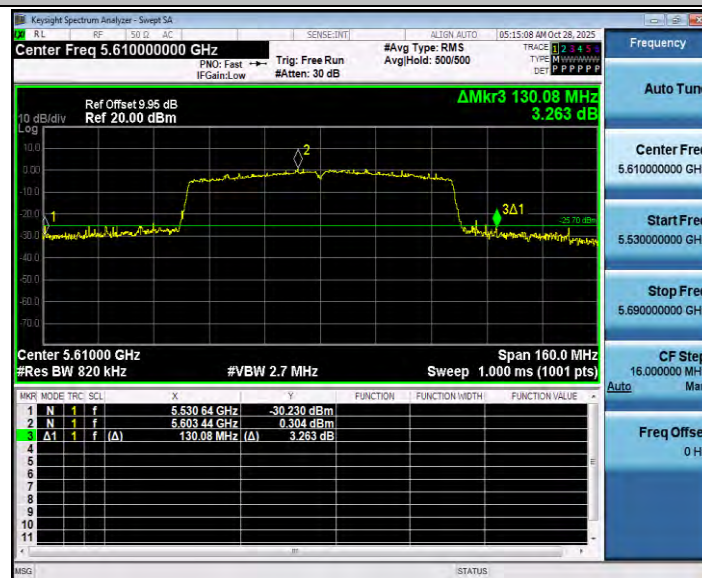
11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



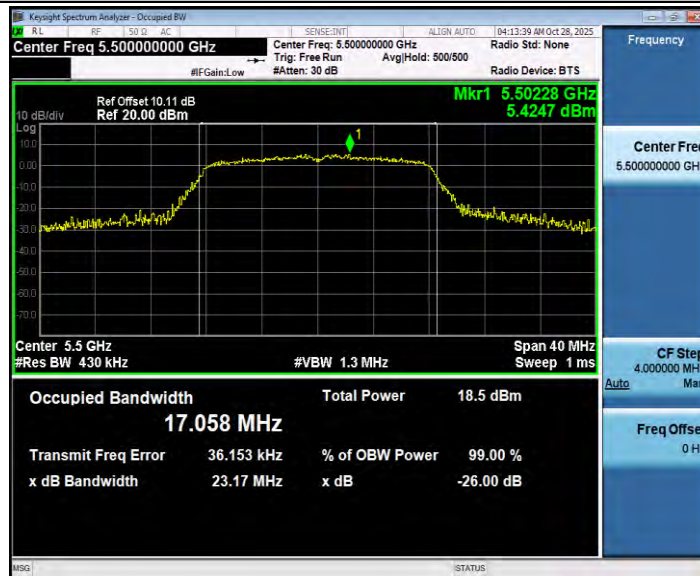
Appendix F.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5500	17.058	5491.5072	5508.5652	---	---
		5580	17.107	5571.4282	5588.5352	---	---
		5700	17.233	5691.3336	5708.5666	---	---
11N20SISO	Ant1	5500	18.204	5490.9687	5509.1727	---	---
		5580	18.321	5570.8191	5589.1401	---	---
		5700	18.361	5690.8091	5709.1701	---	---
11N40SISO	Ant1	5510	36.417	5491.9422	5528.3592	---	---
		5590	36.755	5571.7076	5608.4626	---	---
		5670	36.563	5651.7139	5688.2769	---	---
11AC20SISO	Ant1	5500	17.979	5491.0850	5509.0640	---	---
		5580	18.087	5570.9676	5589.0546	---	---
		5700	18.023	5690.9516	5708.9746	---	---
11AC40SISO	Ant1	5510	36.263	5492.0281	5528.2911	---	---
		5590	36.573	5571.7438	5608.3168	---	---
		5670	36.436	5651.7890	5688.2250	---	---
11AC80SISO	Ant1	5530	75.157	5492.5014	5567.6584	---	---
		5610	75.560	5572.2882	5647.8482	---	---

Test Graphs

11A_Ant1_5500



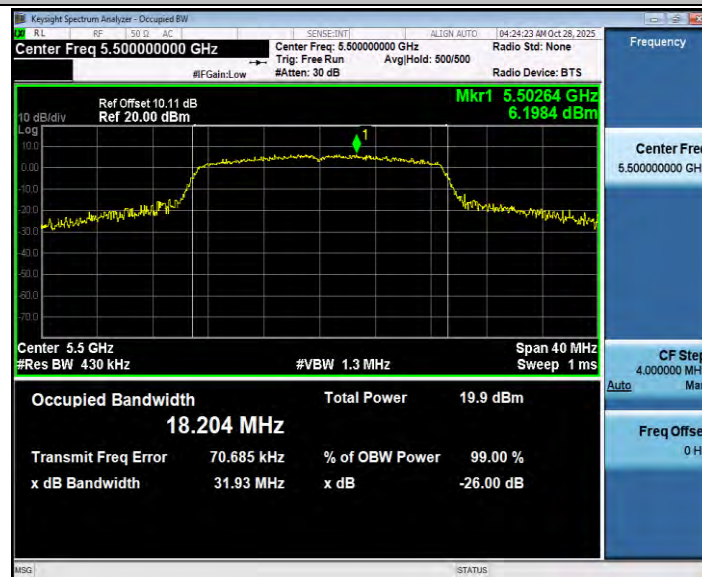
11A_Ant1_5580



11A_Ant1_5700



11N20SISO_Ant1_5500



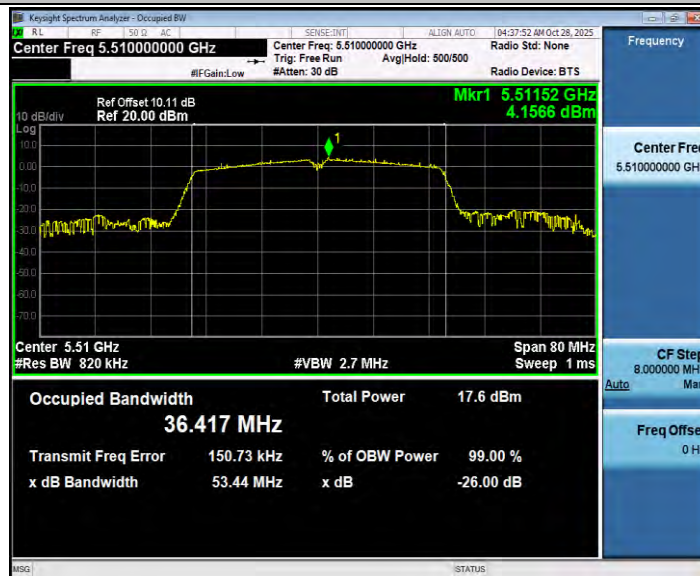
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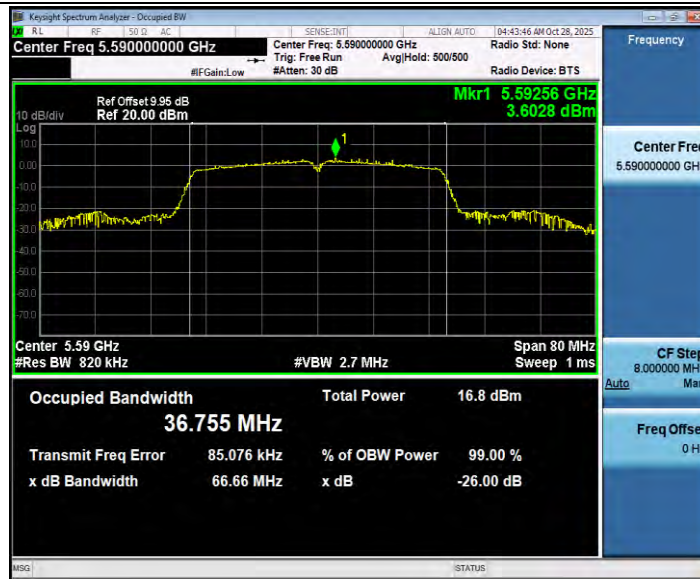
11N20SISO_Ant1_5700



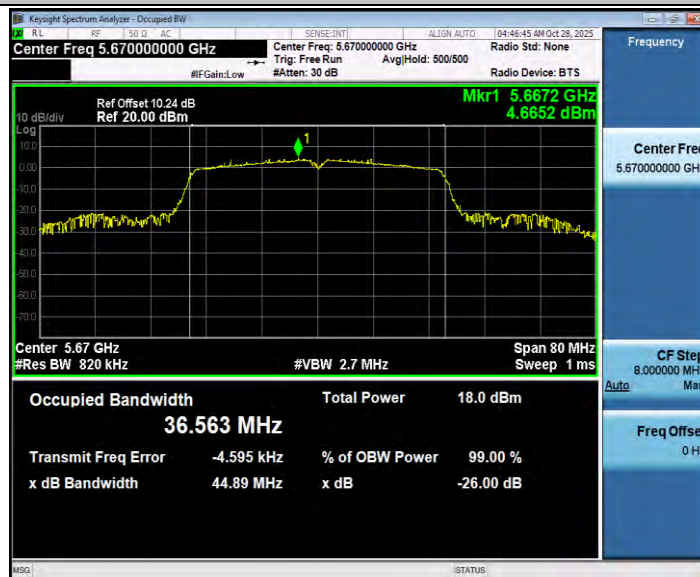
11N40SISO_Ant1_5510



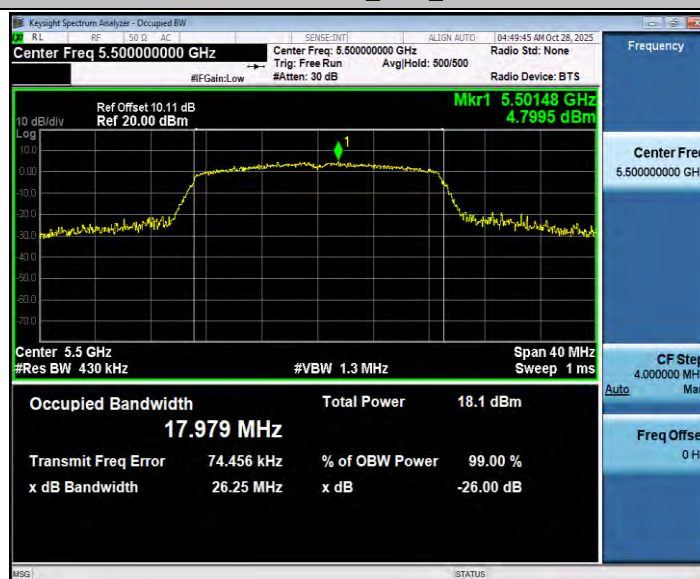
11N40SISO_Ant1_5590



11N40SISO_Ant1_5670



11AC20SISO_Ant1_5500



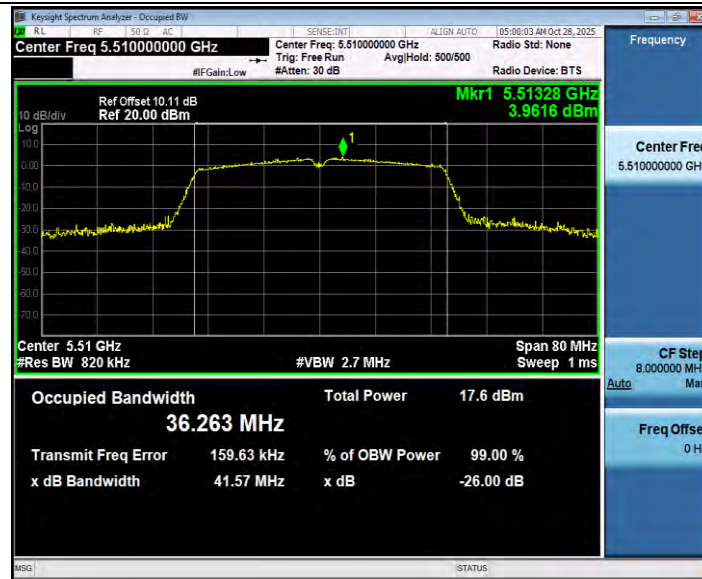
11AC20SISO_Ant1_5580



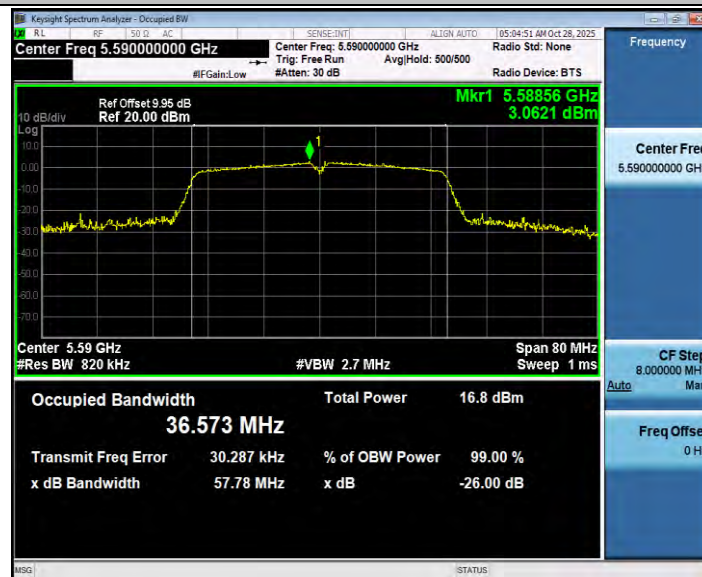
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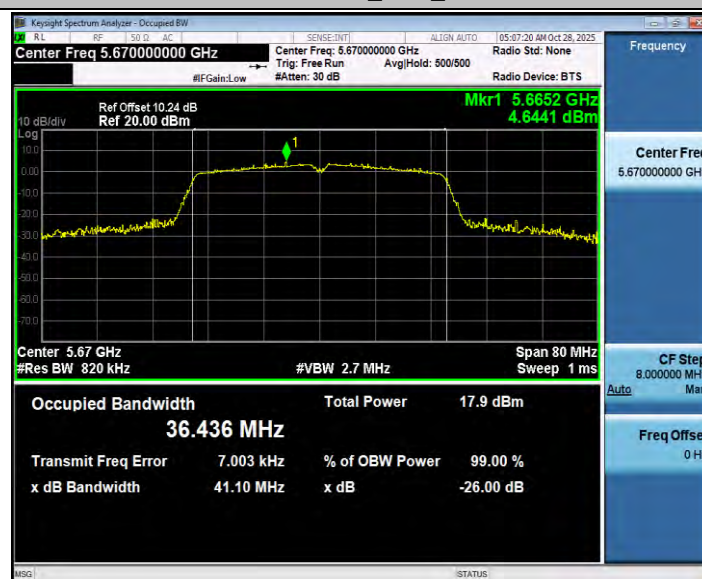
11AC40SISO_Ant1_5510



11AC40SISO_Ant1_5590



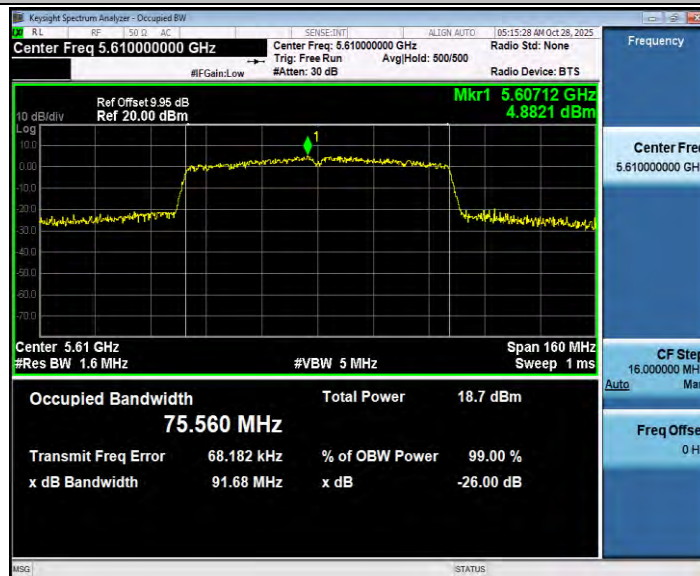
11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



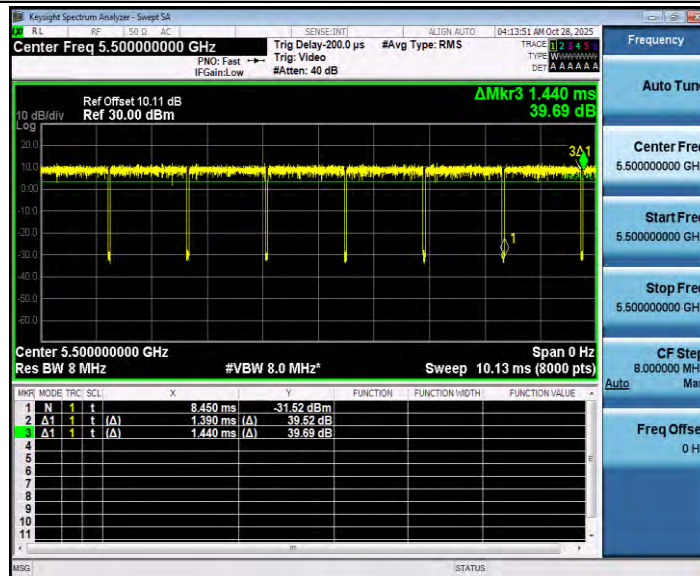
Appendix F.3: Duty Cycle

Test Result

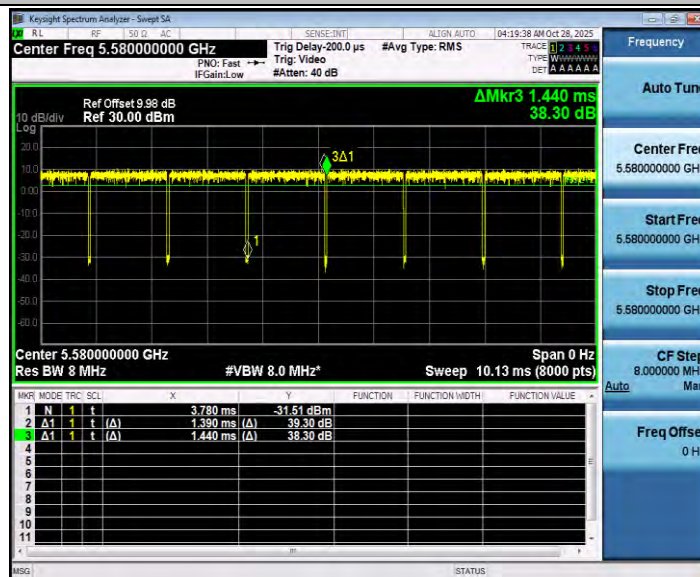
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5500	1.39	1.44	96.53	0.15	0.72
		5580	1.39	1.44	96.53	0.15	0.72
		5700	1.39	1.44	96.53	0.15	0.72
11N20SISO	Ant1	5500	1.30	1.35	96.30	0.16	0.77
		5580	1.30	1.34	97.01	0.13	0.77
		5700	1.30	1.34	97.01	0.13	0.77
11N40SISO	Ant1	5510	0.65	0.69	94.20	0.26	1.54
		5590	0.64	0.69	92.75	0.33	1.56
		5670	0.65	0.69	94.20	0.26	1.54
11AC20SISO	Ant1	5500	1.31	1.36	96.32	0.16	0.76
		5580	1.32	1.36	97.06	0.13	0.76
		5700	1.31	1.36	96.32	0.16	0.76
11AC40SISO	Ant1	5510	0.65	0.70	92.86	0.32	1.54
		5590	0.65	0.69	94.20	0.26	1.54
		5670	0.65	0.70	92.86	0.32	1.54
11AC80SISO	Ant1	5530	0.33	0.37	89.19	0.50	3.03
		5610	0.32	0.37	86.49	0.63	3.13

Test Graphs

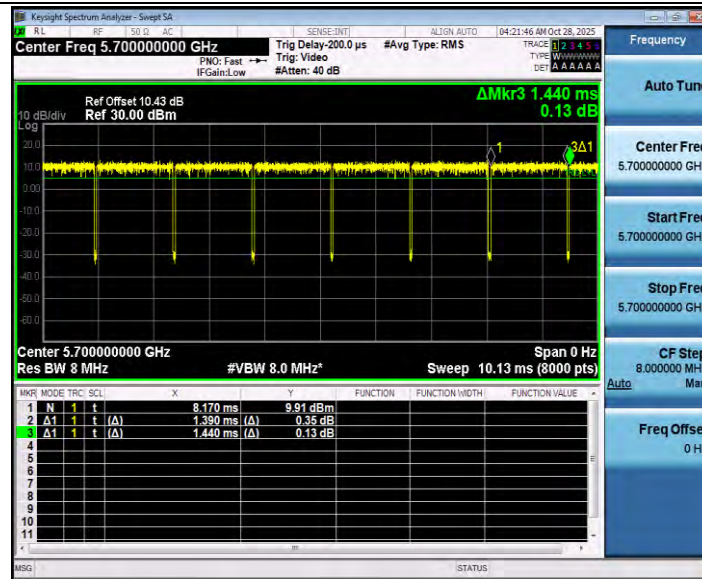
11A_Ant1_5500



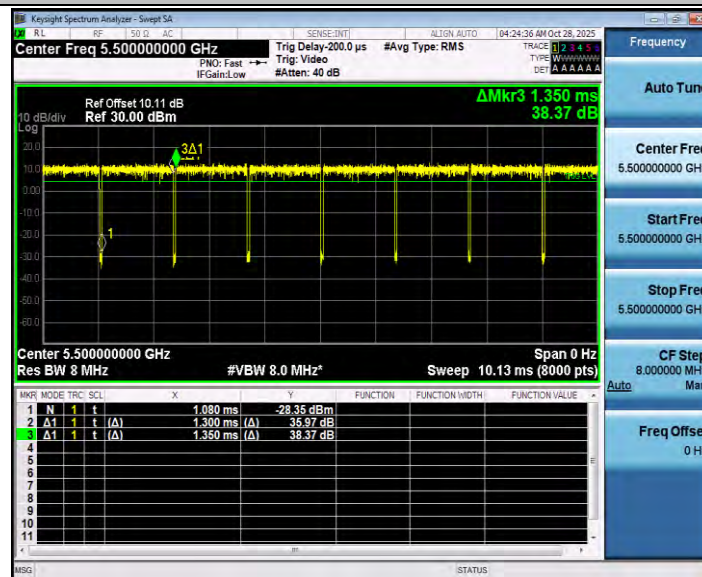
11A_Ant1_5580



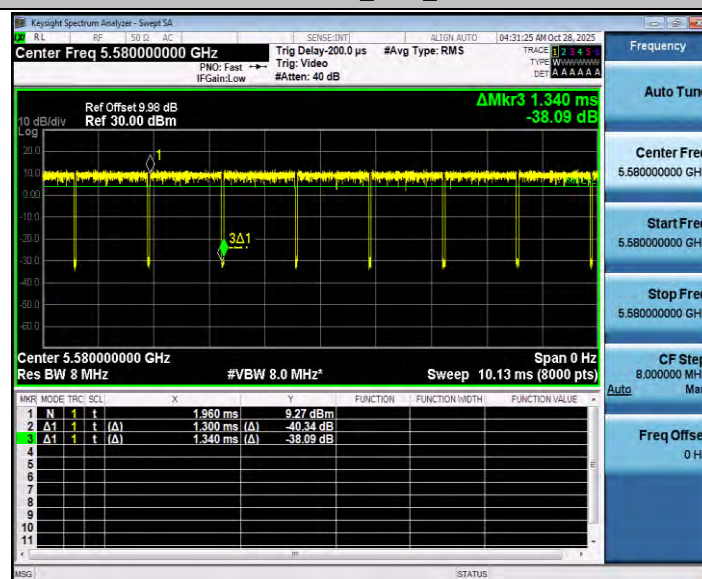
11A_Ant1_5700



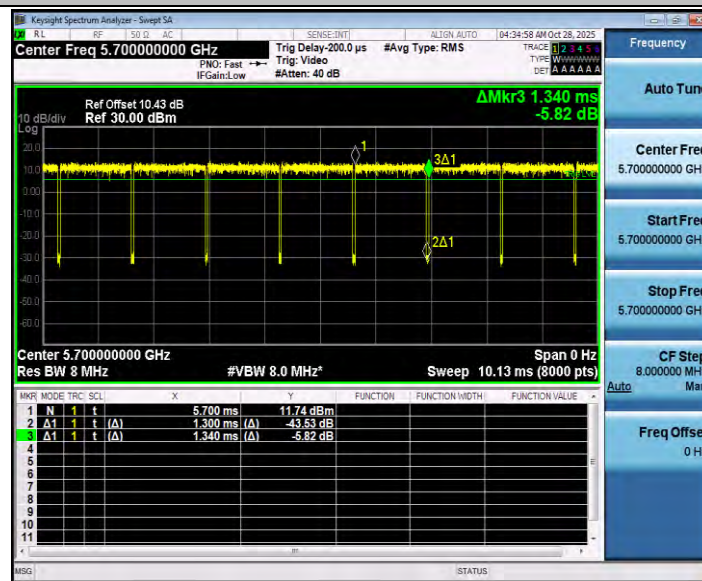
11N20SISO_Ant1_5500



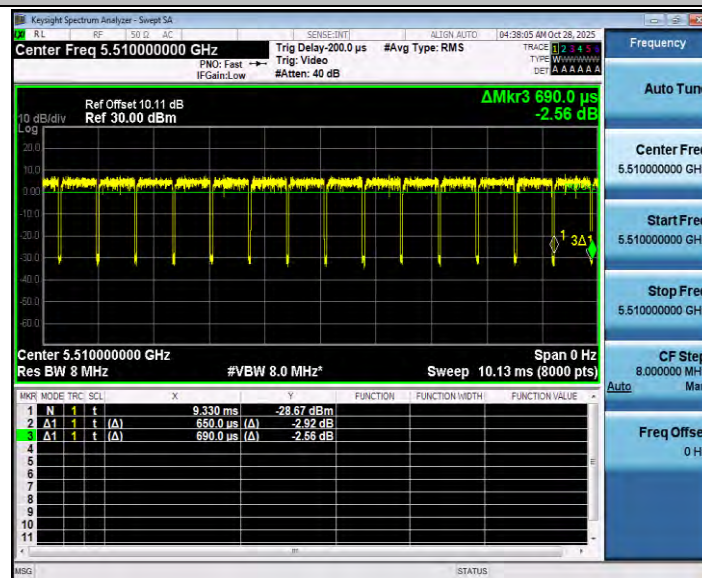
11N20SISO_Ant1_5580



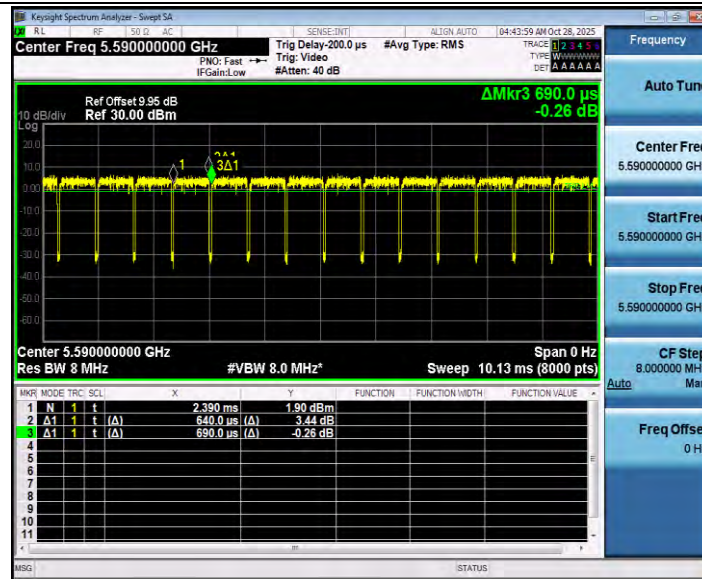
11N20SISO_Ant1_5700



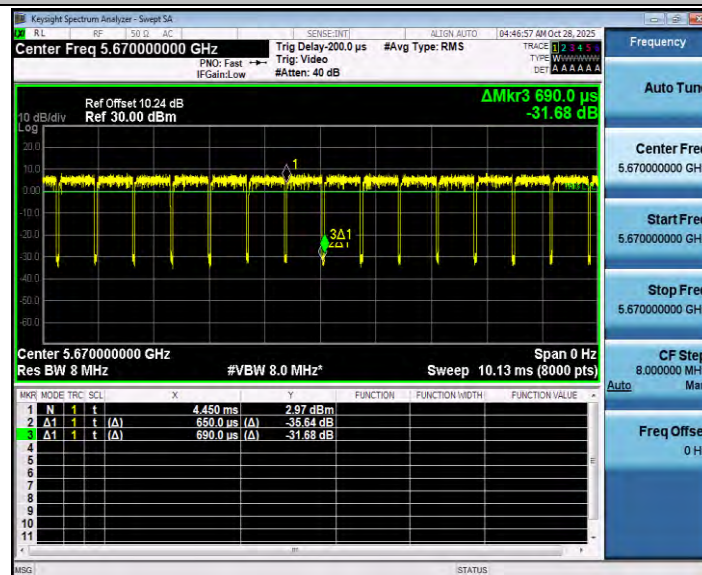
11N40SISO_Ant1_5510



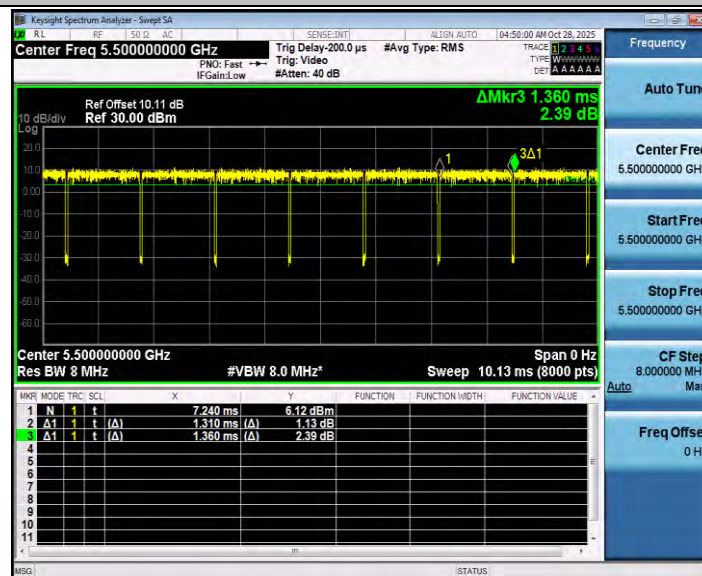
11N40SISO_Ant1_5590

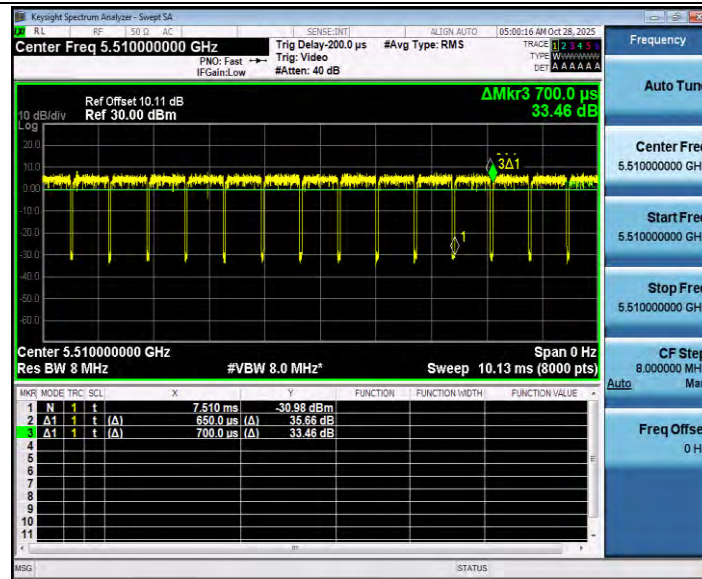


11N40SISO_Ant1_5670

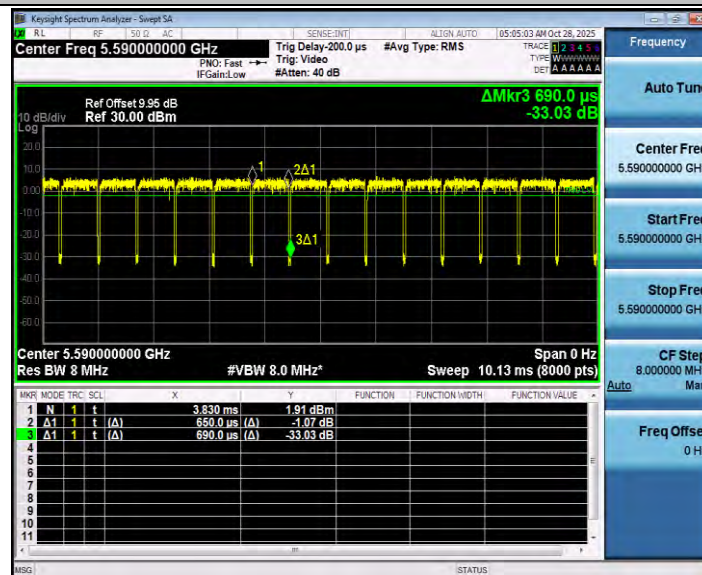


11AC20SISO_Ant1_5500

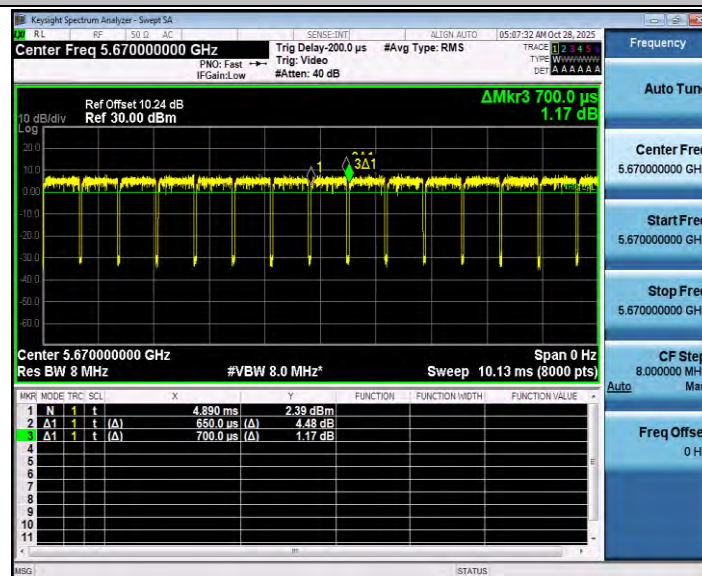




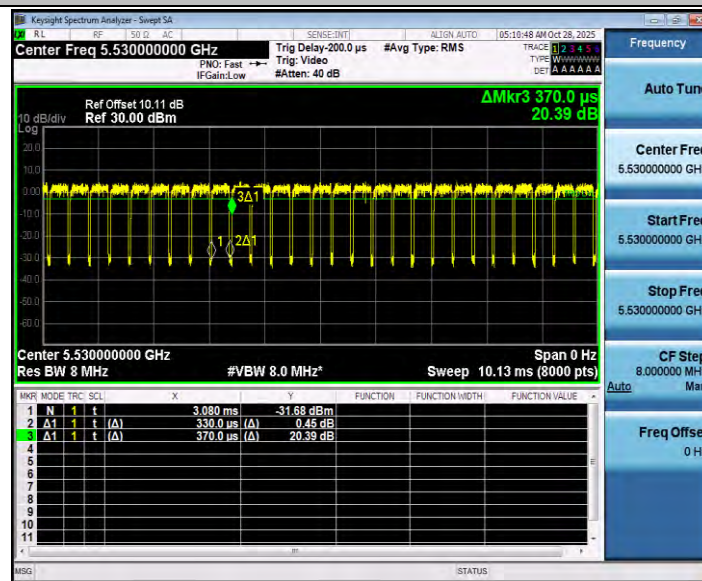
11AC40SISO_Ant1_5590



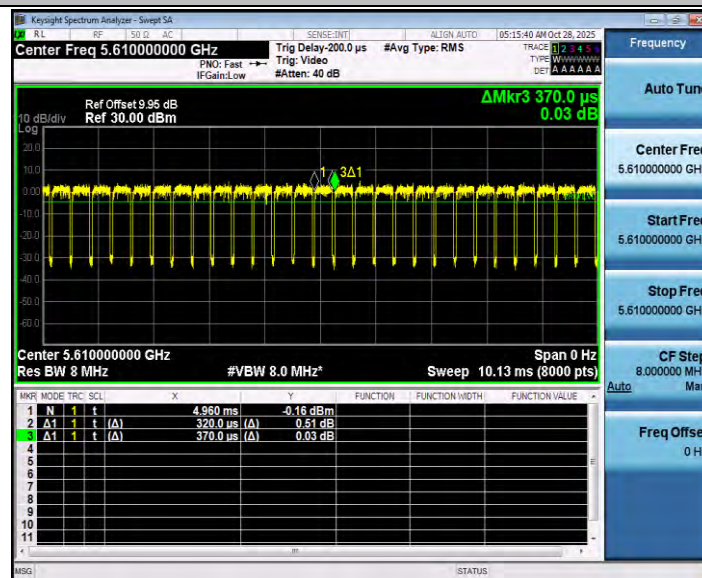
11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



Appendix F.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Freq(MHz)	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5500	11.55	96.53	0.15	11.70	≤23.98	PASS
		5580	10.24	96.53	0.15	10.39	≤23.98	PASS
		5700	12.62	96.53	0.15	12.77	≤23.98	PASS
11N20SISO	Ant1	5500	12.93	96.30	0.16	13.09	≤23.98	PASS
		5580	12.00	97.01	0.13	12.13	≤23.98	PASS
		5700	13.69	97.01	0.13	13.82	≤23.98	PASS
11N40SISO	Ant1	5510	9.97	94.20	0.26	10.23	≤23.98	PASS
		5590	9.10	92.75	0.33	9.43	≤23.98	PASS
		5670	10.39	94.20	0.26	10.65	≤23.98	PASS
11AC20SISO	Ant1	5500	11.15	96.32	0.16	11.31	≤23.98	PASS
		5580	10.63	97.06	0.13	10.76	≤23.98	PASS
		5700	11.98	96.32	0.16	12.14	≤23.98	PASS
11AC40SISO	Ant1	5510	9.87	92.86	0.32	10.19	≤23.98	PASS
		5590	9.13	94.20	0.26	9.39	≤23.98	PASS
		5670	10.28	92.86	0.32	10.60	≤23.98	PASS
11AC80SISO	Ant1	5530	9.56	89.19	0.50	10.06	≤23.98	PASS
		5610	9.12	86.49	0.63	9.75	≤23.98	PASS

Appendix F.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5500	0.87	≤11.00	PASS
		5580	-0.35	≤11.00	PASS
		5700	2.27	≤11.00	PASS
11N20SISO	Ant1	5500	2.19	≤11.00	PASS
		5580	1.21	≤11.00	PASS
		5700	3.09	≤11.00	PASS
11N40SISO	Ant1	5510	-3.13	≤11.00	PASS
		5590	-4.12	≤11.00	PASS
		5670	-2.82	≤11.00	PASS
11AC20SISO	Ant1	5500	0.50	≤11.00	PASS
		5580	-0.16	≤11.00	PASS
		5700	1.50	≤11.00	PASS
11AC40SISO	Ant1	5510	-3.18	≤11.00	PASS
		5590	-4.16	≤11.00	PASS
		5670	-2.83	≤11.00	PASS
11AC80SISO	Ant1	5530	-5.98	≤11.00	PASS
		5610	-6.39	≤11.00	PASS

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
 2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

11A_Ant1_5500



11A_Ant1_5580



11A_Ant1_5700



11N20SISO_Ant1_5500



11N20SISO_Ant1_5580



11N20SISO_Ant1_5700



11N40SISO_Ant1_5510



11N40SISO_Ant1_5590



11N40SISO_Ant1_5670



11AC20SISO_Ant1_5500



11AC20SISO_Ant1_5580



11AC20SISO_Ant1_5700



11AC40SISO_Ant1_5510



11AC40SISO_Ant1_5590



11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610

