

Case No. : <u>GTS20241129021-2-05</u>	
Ambient Condition: <u>22</u> °C, <u>52</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2025.3.10</u>	Test Engineer: <u>Evan ouyang</u>

Appendix D.1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	22.680	5168.760	5191.440	---	---
		5200	22.240	5188.880	5211.120	---	---
		5240	23.040	5228.080	5251.120	---	---
11N20SISO	Ant1	5180	22.960	5168.720	5191.680	---	---
		5200	22.520	5188.880	5211.400	---	---
		5240	23.640	5228.360	5252.000	---	---
11N40SISO	Ant1	5190	43.520	5168.400	5211.920	---	---
		5230	43.280	5208.240	5251.520	---	---
11AC20SISO	Ant1	5180	23.560	5168.760	5192.320	---	---
		5200	23.760	5188.560	5212.320	---	---
		5240	23.000	5228.520	5251.520	---	---
11AC40SISO	Ant1	5190	42.800	5168.720	5211.520	---	---
		5230	42.720	5208.560	5251.280	---	---
11AC80SISO	Ant1	5210	84.960	5168.400	5253.360	---	---
11AX20SISO	Ant1	5180	22.760	5168.920	5191.680	---	---
		5200	22.400	5188.640	5211.040	---	---
		5240	22.800	5228.720	5251.520	---	---
11AX40SISO	Ant1	5190	42.000	5169.040	5211.040	---	---
		5230	42.000	5209.440	5251.440	---	---
11AX80SISO	Ant1	5210	82.240	5169.040	5251.280	---	---

Test Graphs





11N20SISO_Ant1_5180



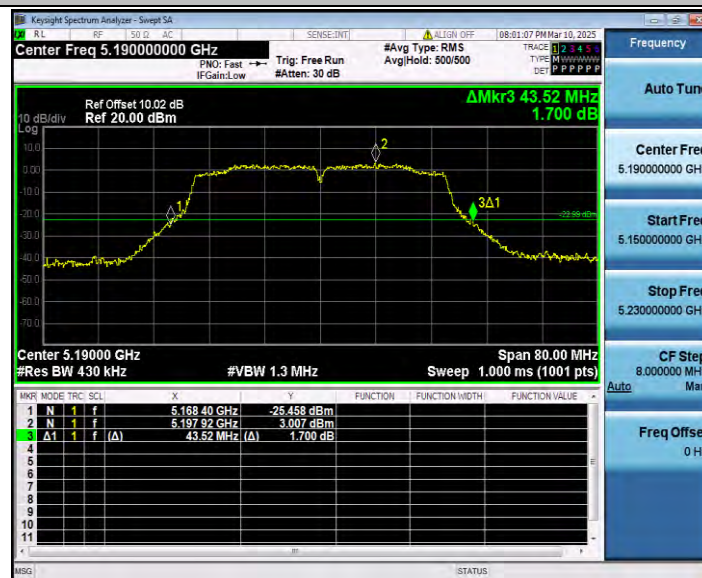
11N20SISO_Ant1_5200



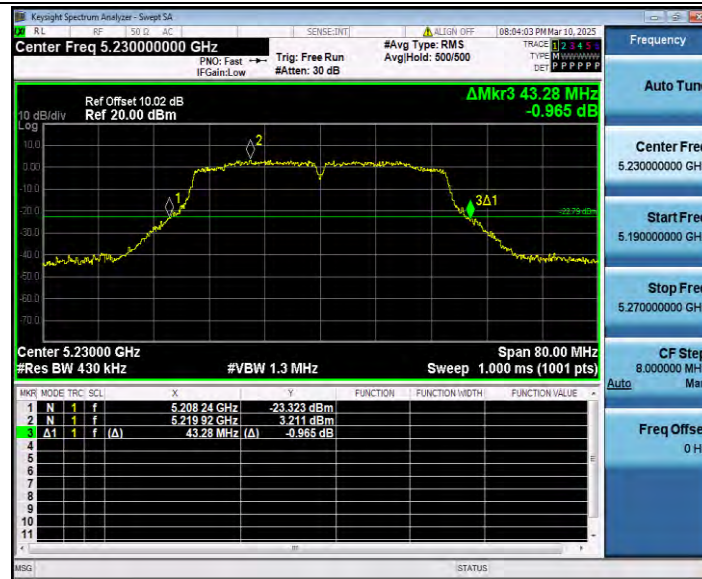
11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



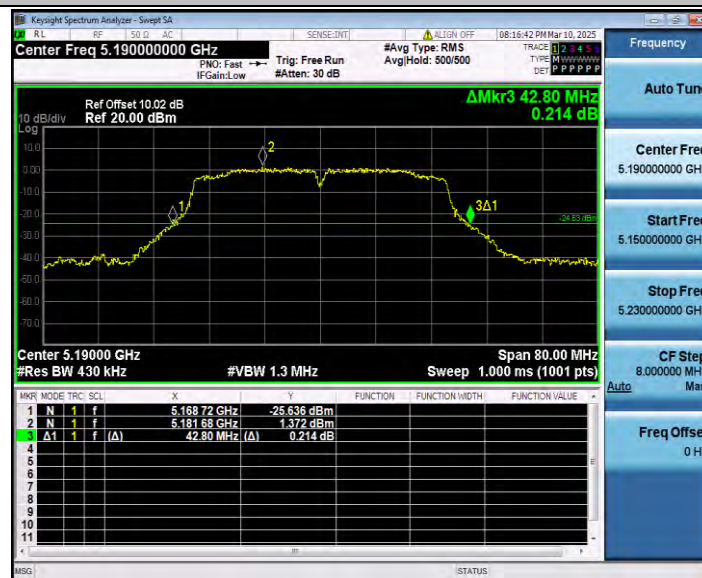
11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5200



11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



11AX80SISO_Ant1_5210



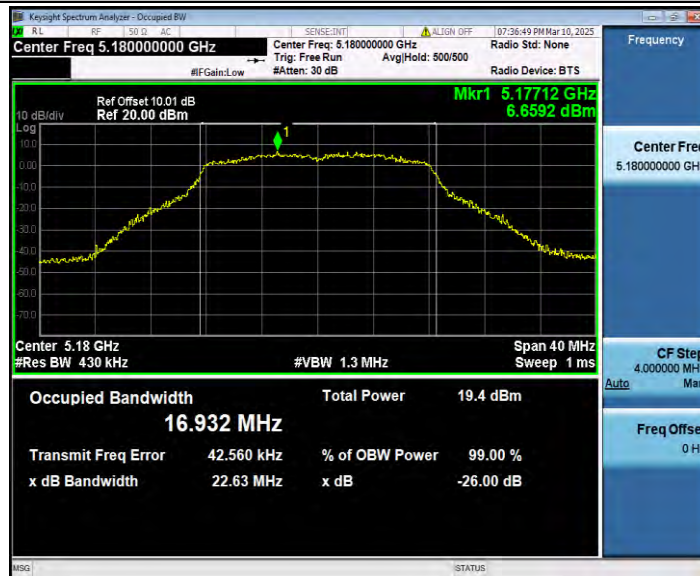
Appendix D.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.932	5171.5766	5188.5086	---	---
		5200	16.908	5191.5704	5208.4784	---	---
		5240	16.986	5231.4701	5248.4561	---	---
11N20SISO	Ant1	5180	17.982	5171.0222	5189.0042	---	---
		5200	18.029	5190.9942	5209.0232	---	---
		5240	18.009	5230.9638	5248.9728	---	---
11N40SISO	Ant1	5190	36.173	5171.9410	5208.1140	---	---
		5230	36.149	5211.8856	5248.0346	---	---
11AC20SISO	Ant1	5180	17.964	5171.0061	5188.9701	---	---
		5200	17.976	5191.0224	5208.9984	---	---
		5240	18.020	5231.0001	5249.0201	---	---
11AC40SISO	Ant1	5190	36.120	5171.9220	5208.0420	---	---
		5230	36.203	5211.9085	5248.1115	---	---
11AC80SISO	Ant1	5210	75.248	5172.4260	5247.6740	---	---
11AX20SISO	Ant1	5180	18.977	5170.4980	5189.4750	---	---
		5200	18.948	5190.4929	5209.4409	---	---
		5240	18.927	5230.5331	5249.4601	---	---
11AX40SISO	Ant1	5190	37.651	5171.1787	5208.8297	---	---
		5230	37.686	5211.1685	5248.8545	---	---
11AX80SISO	Ant1	5210	76.723	5171.6592	5248.3822	---	---

Test Graphs

11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



11N20SISO_Ant1_5180



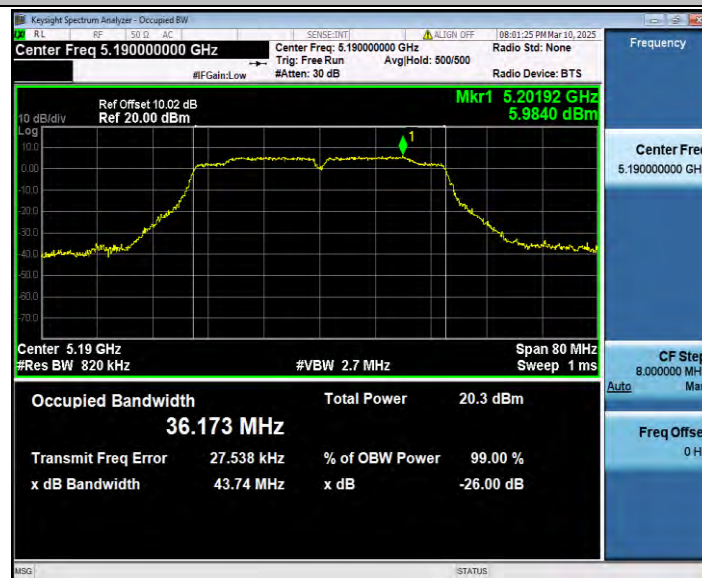
11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



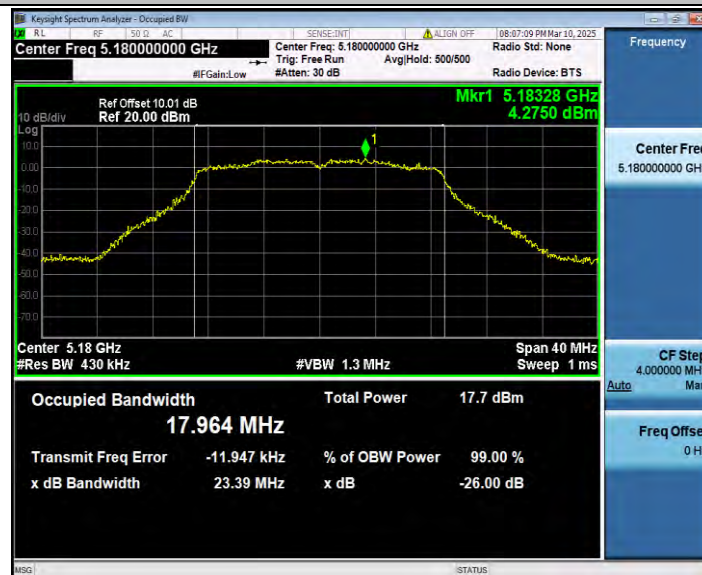
11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



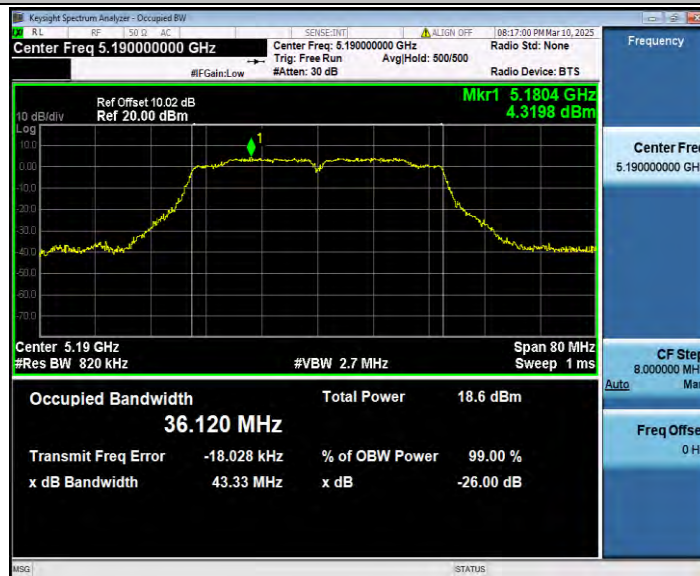
11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



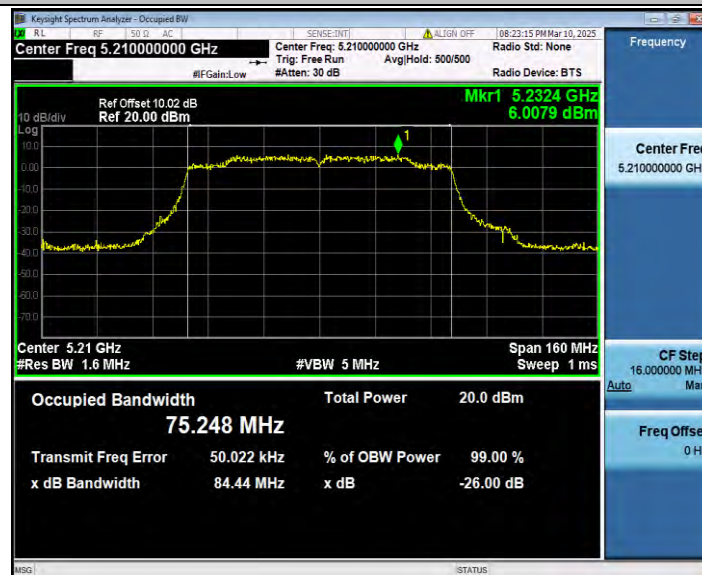
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5200



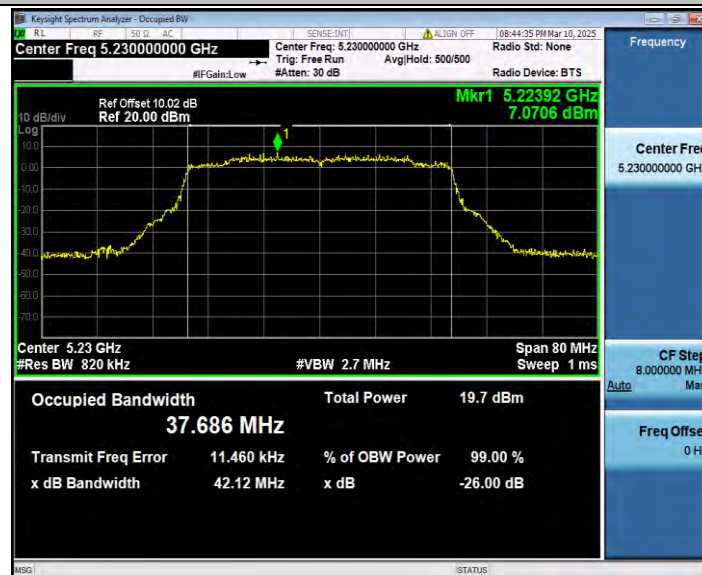
11AX20SISO_Ant1_5240



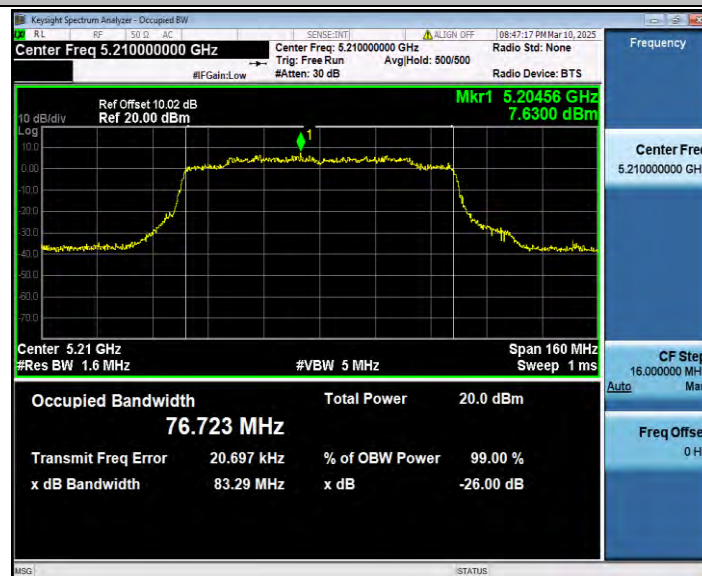
11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



11AX80SISO_Ant1_5210



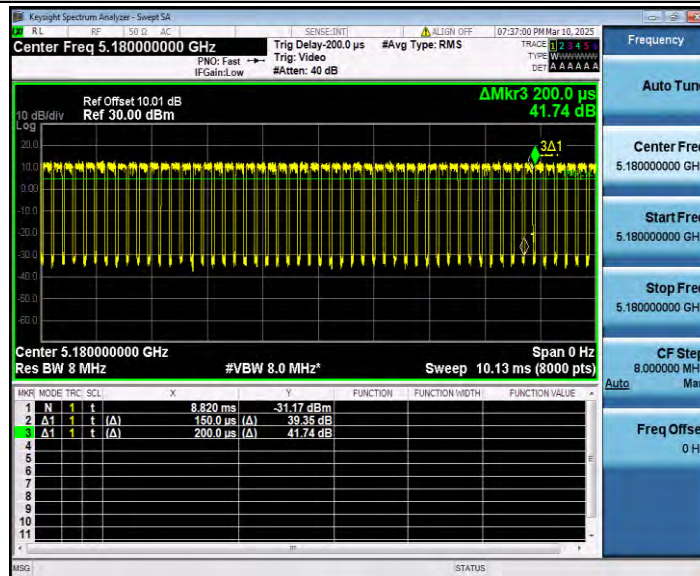
Appendix D.3: Duty Cycle

Test Result

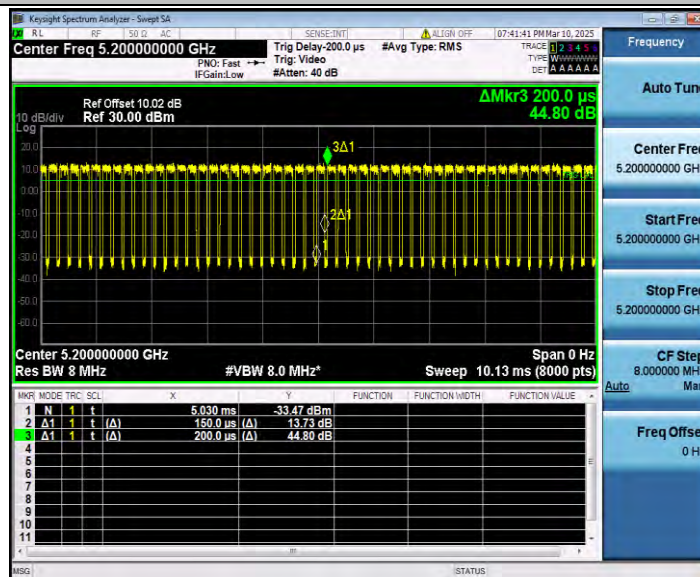
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5180	0.15	0.20	75.00	1.25	6.67
		5200	0.15	0.20	75.00	1.25	6.67
		5240	0.15	0.20	75.00	1.25	6.67
11N20SISO	Ant1	5180	0.17	0.22	77.27	1.12	5.88
		5200	0.18	0.23	78.26	1.06	5.56
		5240	0.17	0.22	77.27	1.12	5.88
11N40SISO	Ant1	5190	0.18	0.22	81.82	0.87	5.56
		5230	0.18	0.23	78.26	1.06	5.56
11AC20SISO	Ant1	5180	0.17	0.22	77.27	1.12	5.88
		5200	0.16	0.21	76.19	1.18	6.25
		5240	0.17	0.22	77.27	1.12	5.88
11AC40SISO	Ant1	5190	0.15	0.20	75.00	1.25	6.67
		5230	0.16	0.20	80.00	0.97	6.25
11AC80SISO	Ant1	5210	0.16	0.21	76.19	1.18	6.25
11AX20SISO	Ant1	5180	0.17	0.22	77.27	1.12	5.88
		5200	0.17	0.22	77.27	1.12	5.88
		5240	0.17	0.22	77.27	1.12	5.88
11AX40SISO	Ant1	5190	0.17	0.22	77.27	1.12	5.88
		5230	0.17	0.22	77.27	1.12	5.88
11AX80SISO	Ant1	5210	0.17	0.22	77.27	1.12	5.88

Test Graphs

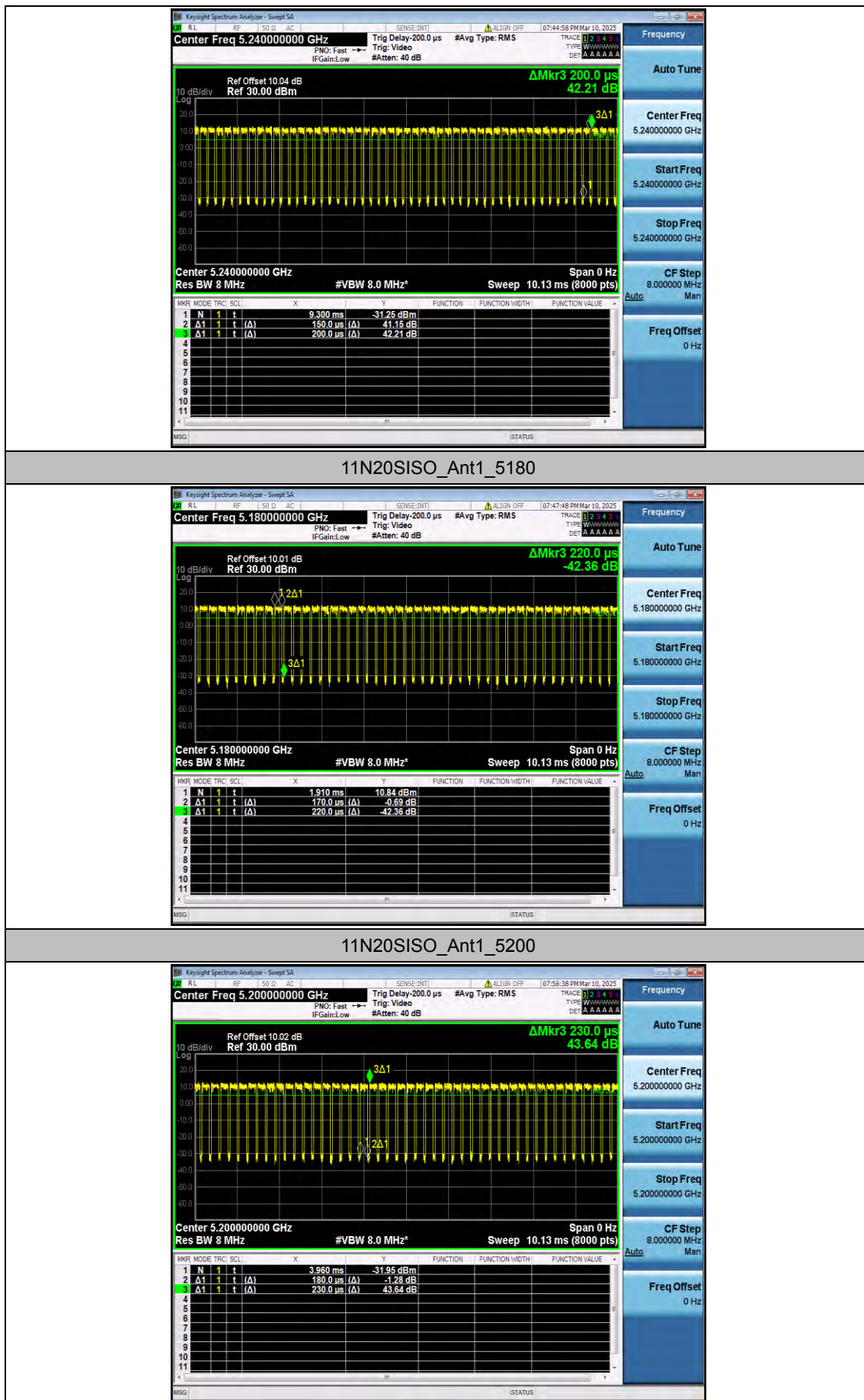
11A_Ant1_5180



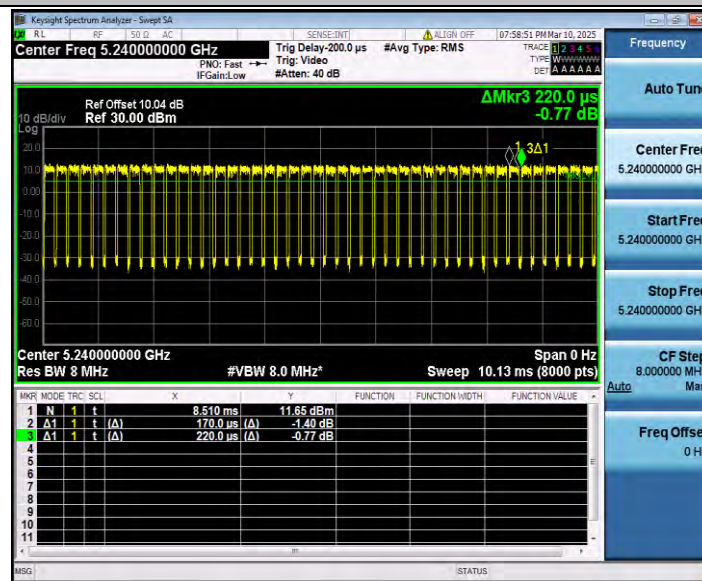
11A_Ant1_5200



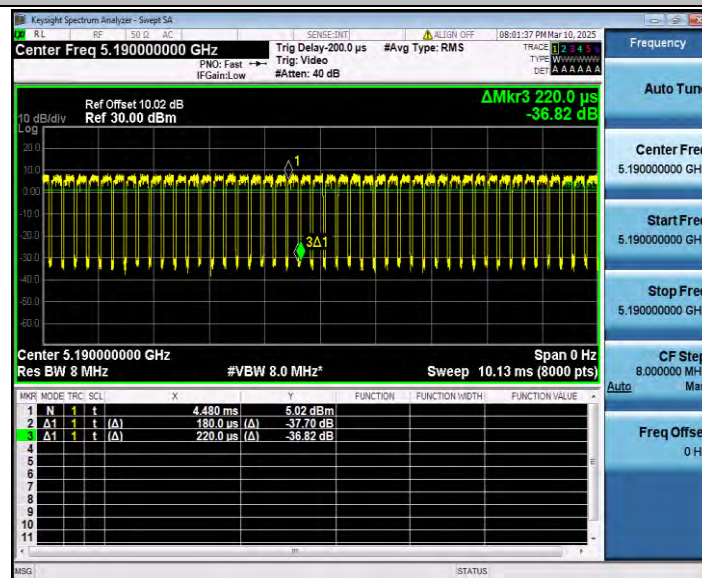
11A_Ant1_5240



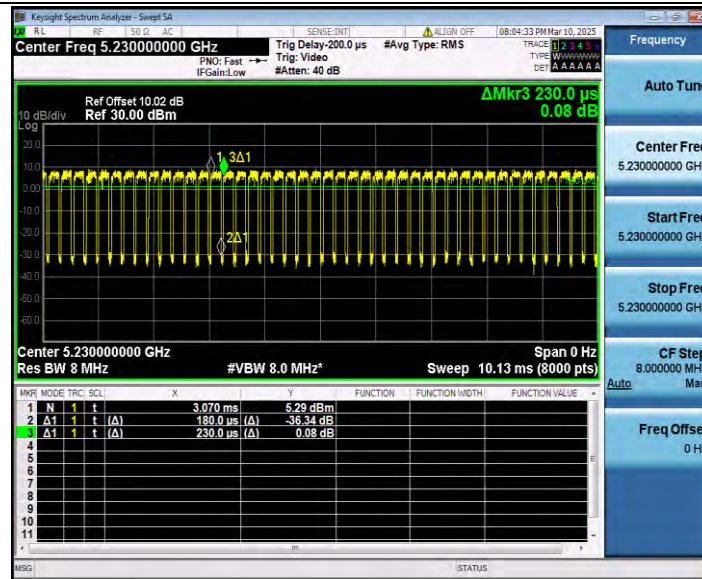
11N20SISO_Ant1_5240



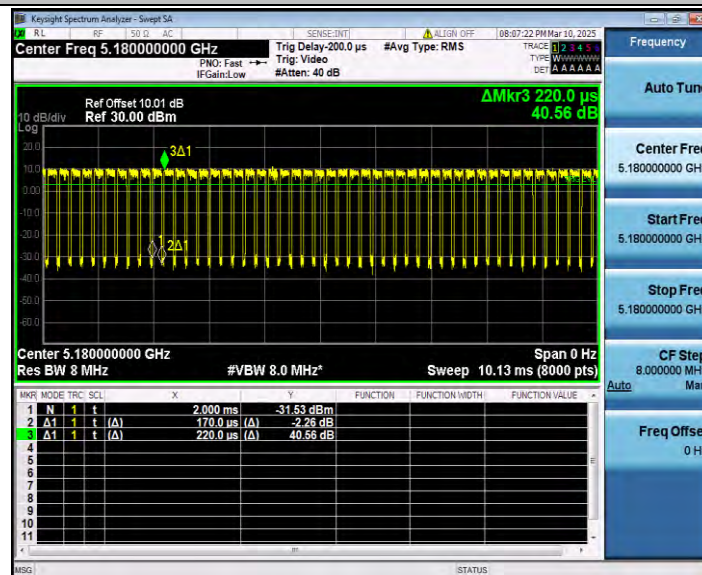
11N40SISO_Ant1_5190



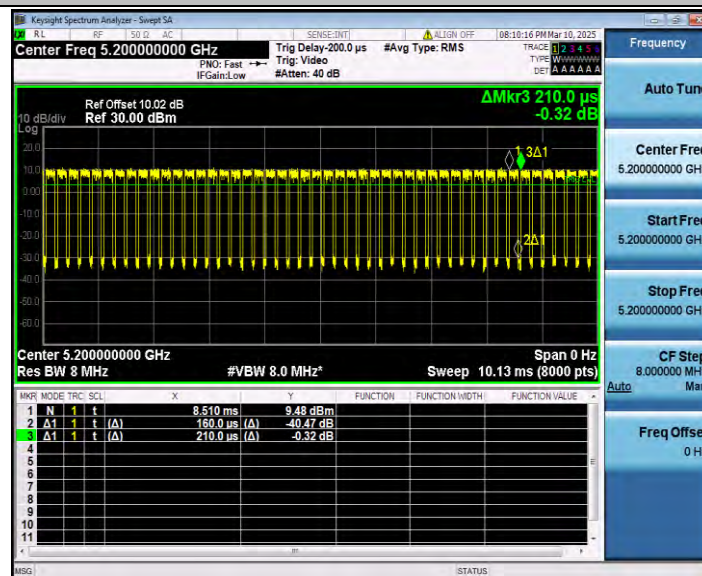
11N40SISO_Ant1_5230

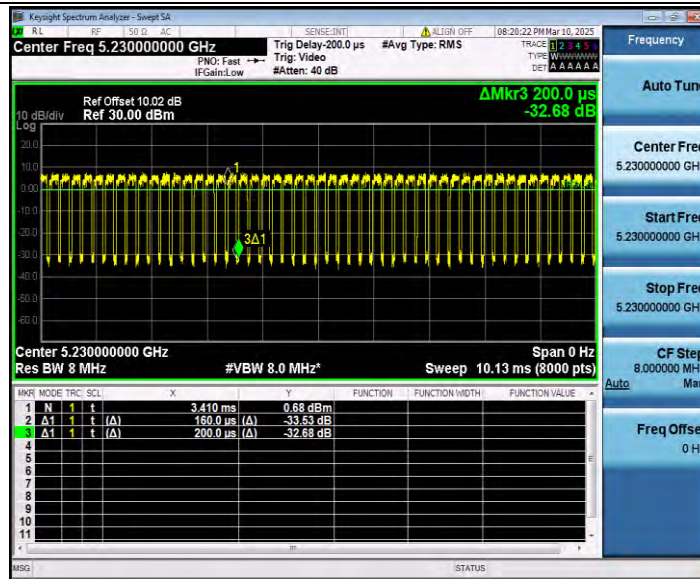


11AC20SISO_Ant1_5180

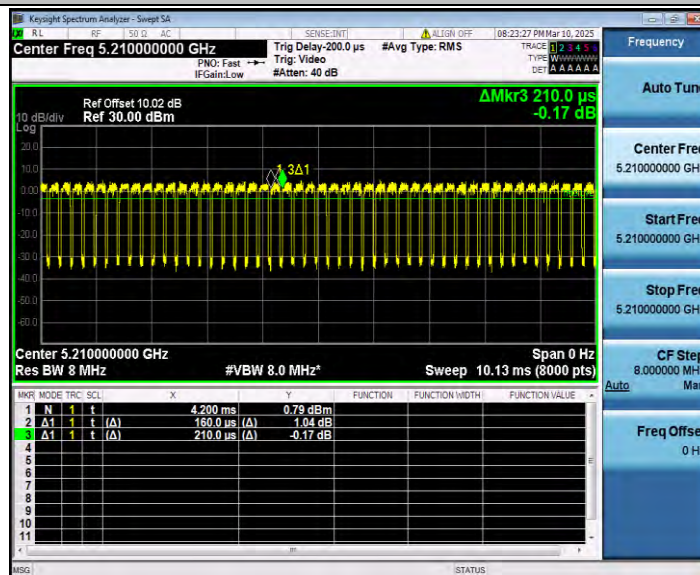


11AC20SISO_Ant1_5200

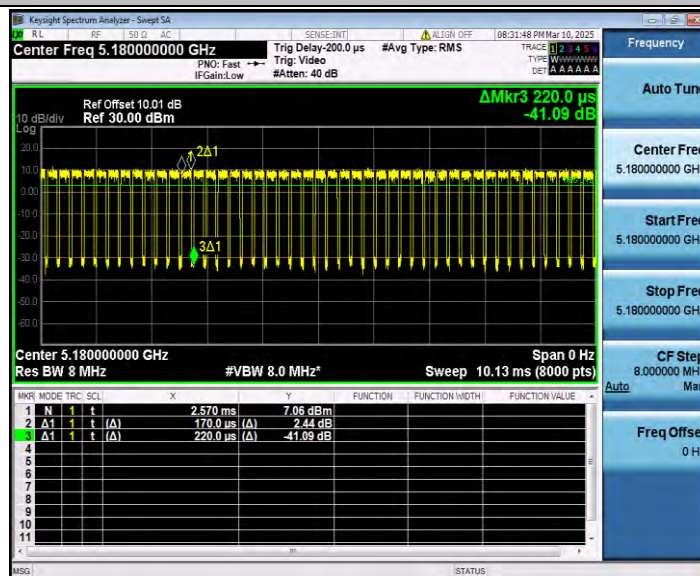




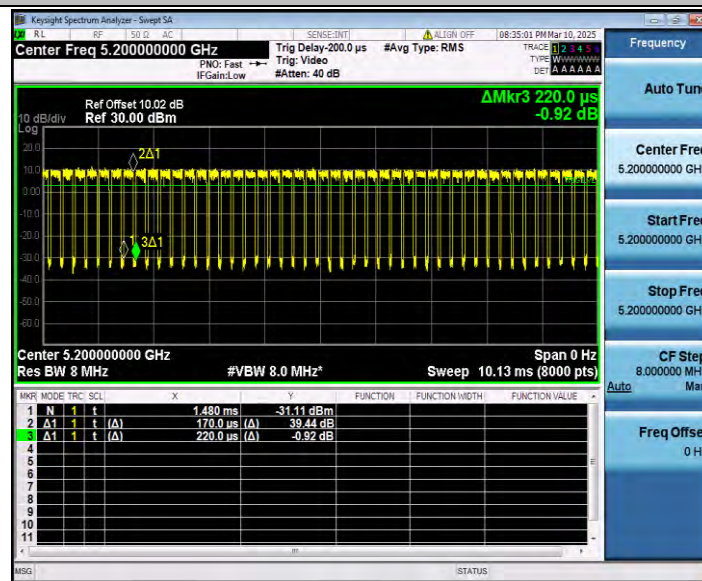
11AC80SISO_Ant1_5210



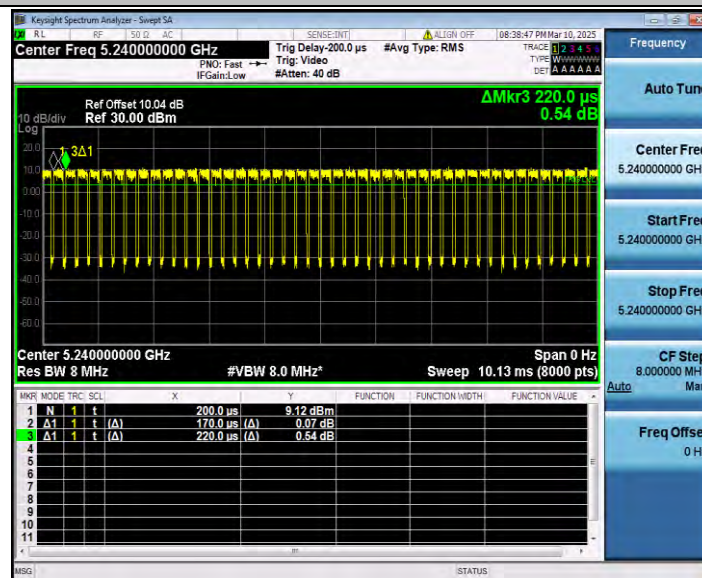
11AX20SISO_Ant1_5180



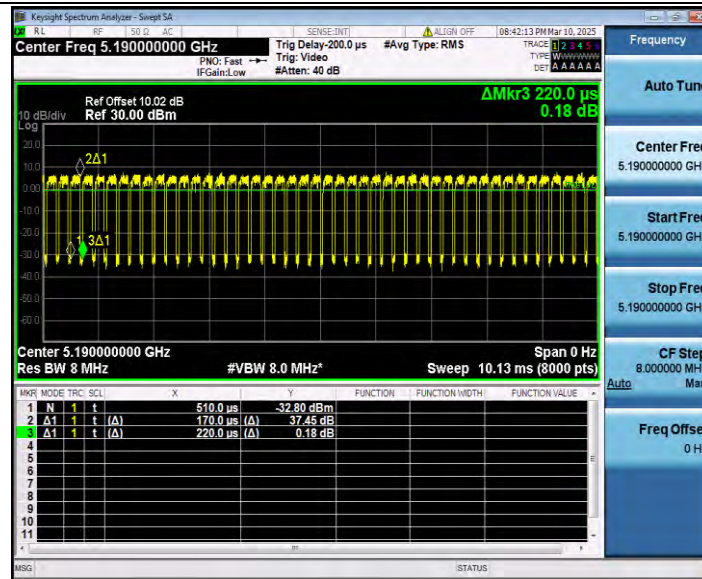
11AX20SISO_Ant1_5200



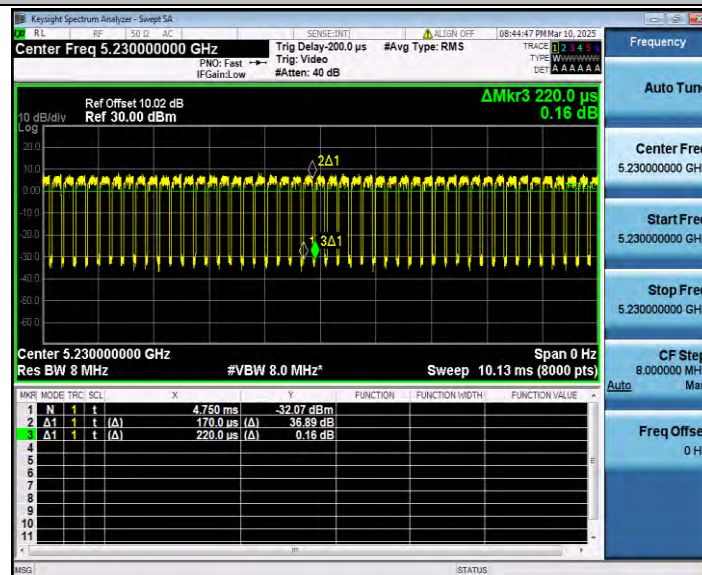
11AX20SISO_Ant1_5240



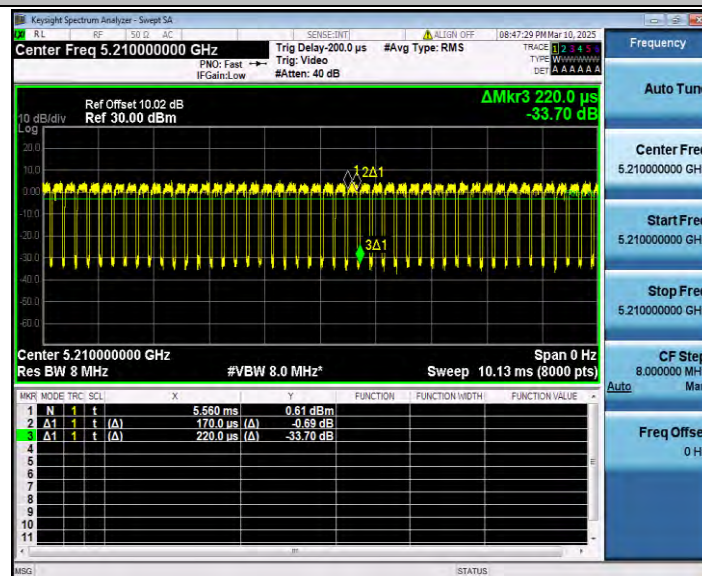
11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



11AX80SISO_Ant1_5210



Appendix D.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	5180	11.64	75.00	1.25	12.89	≤23.98	PASS
		5200	11.77	75.00	1.25	13.02	≤23.98	PASS
		5240	11.92	75.00	1.25	13.17	≤23.98	PASS
11N20SISO	Ant1	5180	11.80	77.27	1.12	12.92	≤23.98	PASS
		5200	12.10	78.26	1.06	13.16	≤23.98	PASS
		5240	12.22	77.27	1.12	13.34	≤23.98	PASS
11N40SISO	Ant1	5190	11.84	81.82	0.87	12.71	≤23.98	PASS
		5230	10.64	78.26	1.06	11.70	≤23.98	PASS
11AC20SISO	Ant1	5180	10.05	77.27	1.12	11.17	≤23.98	PASS
		5200	10.19	76.19	1.18	11.37	≤23.98	PASS
		5240	10.52	77.27	1.12	11.64	≤23.98	PASS
11AC40SISO	Ant1	5190	9.97	75.00	1.25	11.22	≤23.98	PASS
		5230	10.45	80.00	0.97	11.42	≤23.98	PASS
11AC80SISO	Ant1	5210	10.25	76.19	1.18	11.43	≤23.98	PASS
11AX20SISO	Ant1	5180	10.00	77.27	1.12	11.12	≤23.98	PASS
		5200	10.23	77.27	1.12	11.35	≤23.98	PASS
		5240	10.56	77.27	1.12	11.68	≤23.98	PASS
11AX40SISO	Ant1	5190	9.88	77.27	1.12	11.00	≤23.98	PASS
		5230	10.40	77.27	1.12	11.52	≤23.98	PASS
11AX80SISO	Ant1	5210	10.11	77.27	1.12	11.23	≤23.98	PASS

Appendix D.5: Maximum power spectral density

Test Result

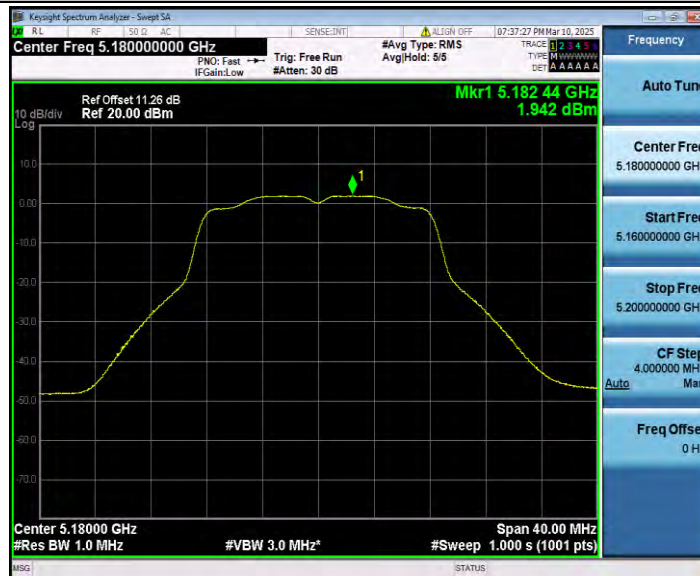
TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	1.94	≤11.00	PASS
		5200	2.16	≤11.00	PASS
		5240	2.39	≤11.00	PASS
11N20SISO	Ant1	5180	1.91	≤11.00	PASS
		5200	2.14	≤11.00	PASS
		5240	2.34	≤11.00	PASS
11N40SISO	Ant1	5190	-1.49	≤11.00	PASS
		5230	-2.53	≤11.00	PASS
11AC20SISO	Ant1	5180	0.15	≤11.00	PASS
		5200	0.35	≤11.00	PASS
		5240	0.80	≤11.00	PASS
11AC40SISO	Ant1	5190	-3.02	≤11.00	PASS
		5230	-2.84	≤11.00	PASS
11AC80SISO	Ant1	5210	-5.35	≤11.00	PASS
11AX20SISO	Ant1	5180	-0.10	≤11.00	PASS
		5200	0.15	≤11.00	PASS
		5240	0.58	≤11.00	PASS
11AX40SISO	Ant1	5190	-3.28	≤11.00	PASS
		5230	-2.89	≤11.00	PASS
11AX80SISO	Ant1	5210	-5.81	≤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_5180



11A_Ant1_5200



11A_Ant1_5240



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5200



11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



11AX80SISO_Ant1_5210

