

Case No. : <u>GTS20260122012-1-03</u>	
Ambient Condition: <u>22</u> °C, <u>51</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2026.4.1</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	5500	20.920	5489.520	5510.440	---	---
		5580	21.200	5569.400	5590.600	---	---
		5700	21.080	5689.480	5710.560	---	---
11N20SISO	Ant1	5500	21.240	5489.480	5510.720	---	---
		5580	21.440	5569.240	5590.680	---	---
		5700	21.240	5689.360	5710.600	---	---
11N40SISO	Ant1	5510	38.960	5490.640	5529.600	---	---
		5590	39.280	5570.320	5609.600	---	---
		5670	39.280	5650.240	5689.520	---	---
11AC20SISO	Ant1	5500	21.040	5489.480	5510.520	---	---
		5580	20.920	5569.440	5590.360	---	---
		5700	20.600	5689.600	5710.200	---	---
11AC40SISO	Ant1	5510	39.520	5490.240	5529.760	---	---
		5590	39.760	5570.080	5609.840	---	---
		5670	39.680	5650.080	5689.760	---	---
11AC80SISO	Ant1	5530	79.680	5490.480	5570.160	---	---
		5610	80.640	5570.000	5650.640	---	---

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 D.2: Occupied channel bandwidth

Test Result

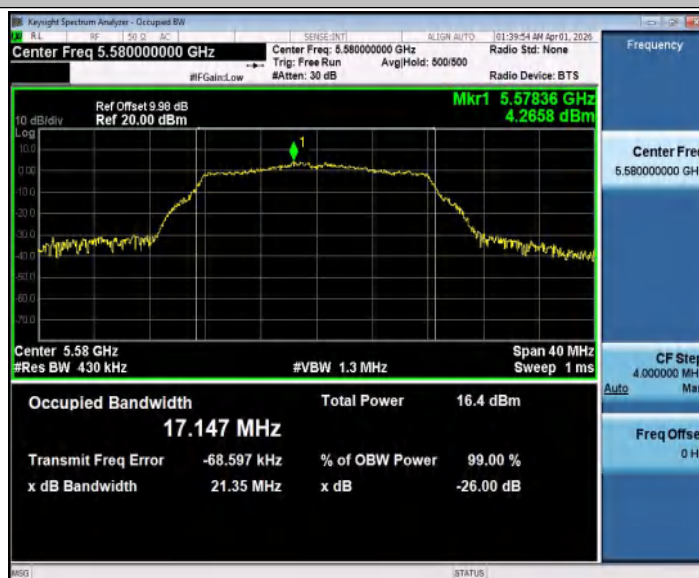
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5500	17.135	5491.4409	5508.5759	---	---
		5580	17.147	5571.3579	5588.5049	---	---
		5700	17.157	5691.3576	5708.5146	---	---
11N20SISO	Ant1	5500	18.113	5491.0169	5509.1299	---	---
		5580	18.197	5570.8700	5589.0670	---	---
		5700	18.161	5690.9099	5709.0709	---	---
11N40SISO	Ant1	5510	36.295	5491.9322	5528.2272	---	---
		5590	36.367	5571.8564	5608.2234	---	---
		5670	36.280	5651.8393	5688.1193	---	---
11AC20SISO	Ant1	5500	17.994	5490.9974	5508.9914	---	---
		5580	18.021	5570.9086	5588.9296	---	---
		5700	18.053	5690.9031	5708.9561	---	---
11AC40SISO	Ant1	5510	36.438	5491.8357	5528.2737	---	---
		5590	36.526	5571.6864	5608.2124	---	---
		5670	36.508	5651.6491	5688.1571	---	---
11AC80SISO	Ant1	5530	75.240	5492.5139	5567.7539	---	---
		5610	75.455	5572.4487	5647.9037	---	---

Test Graphs

11A_Ant1_5500



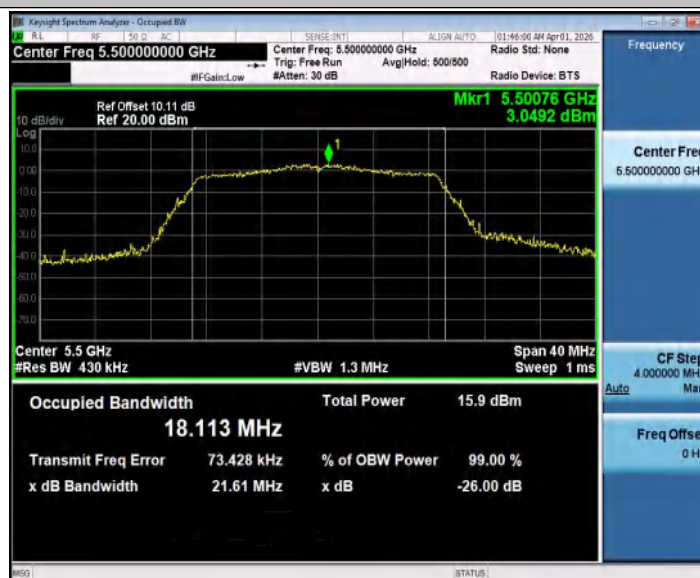
11A_Ant1_5580



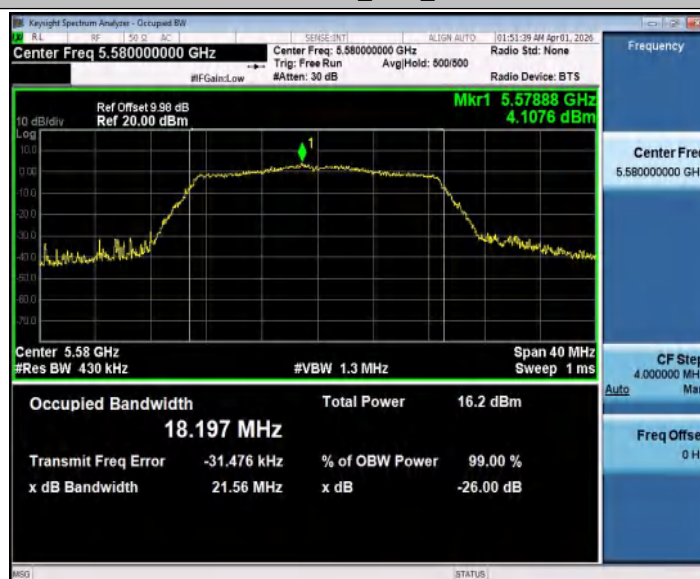
11A_Ant1_5700



11N20SISO_Ant1_5500



11N20SISO_Ant1_5580



11N20SISO_Ant1_5700



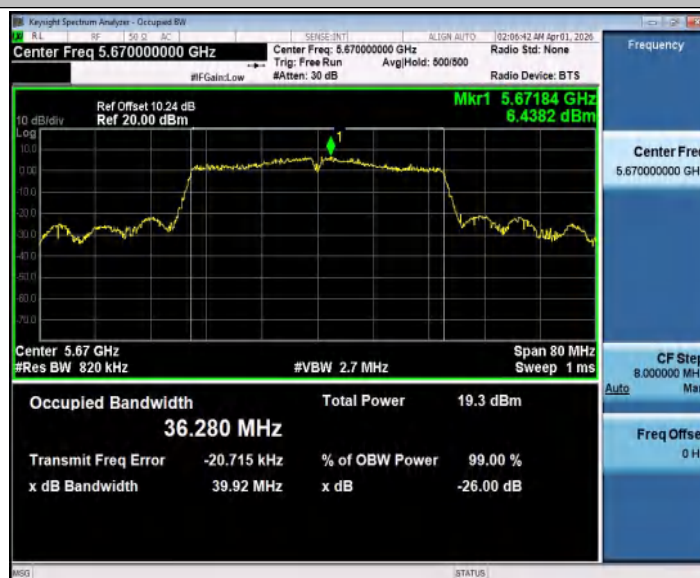
11N40SISO_Ant1_5510



11N40SISO_Ant1_5590



11N40SISO_Ant1_5670



11A20SISO_Ant1_5500



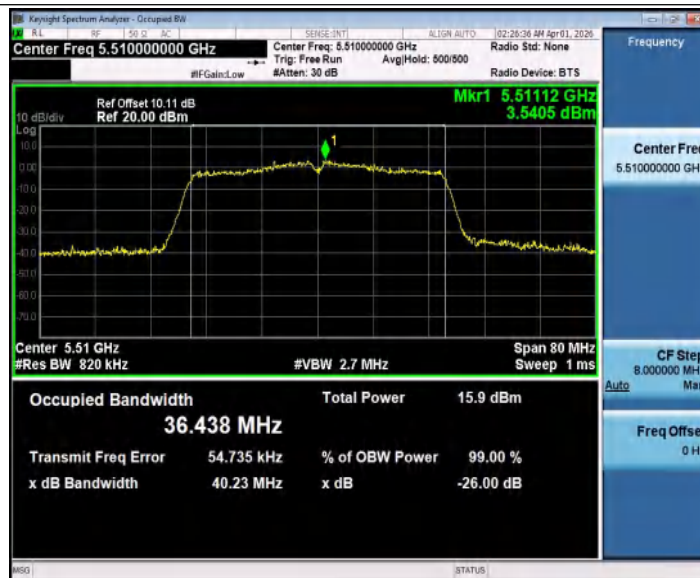
11AC20SISO_Ant1_5580



11AC20SISO_Ant1_5700



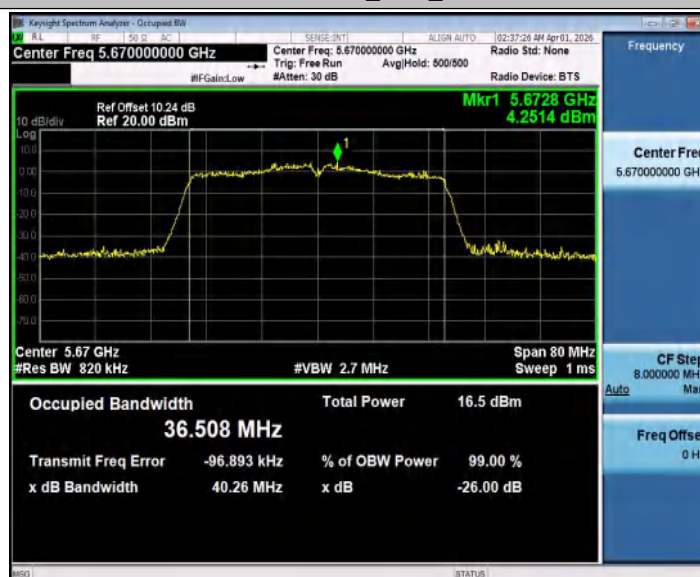
11AC40SISO_Ant1_5510



11AC40SISO_Ant1_5590



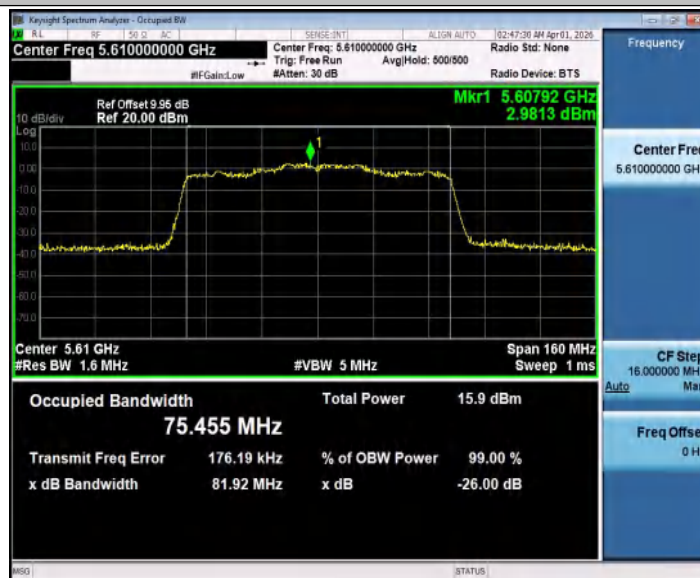
11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



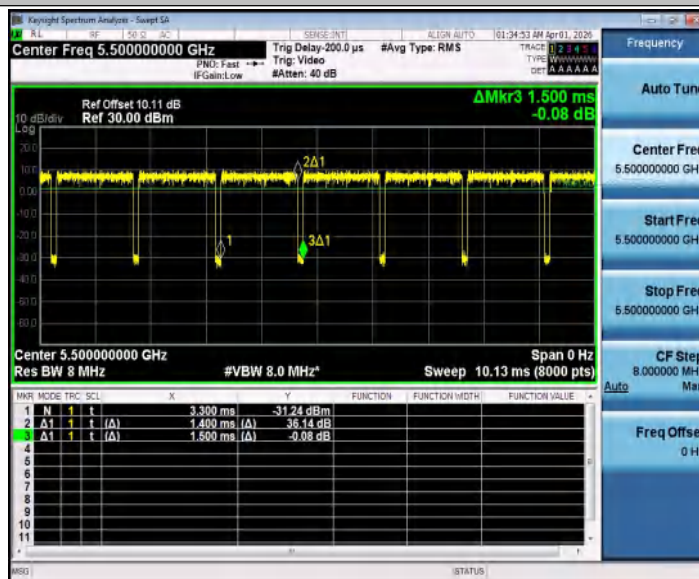
Appendix D.3: Duty Cycle

Test Result

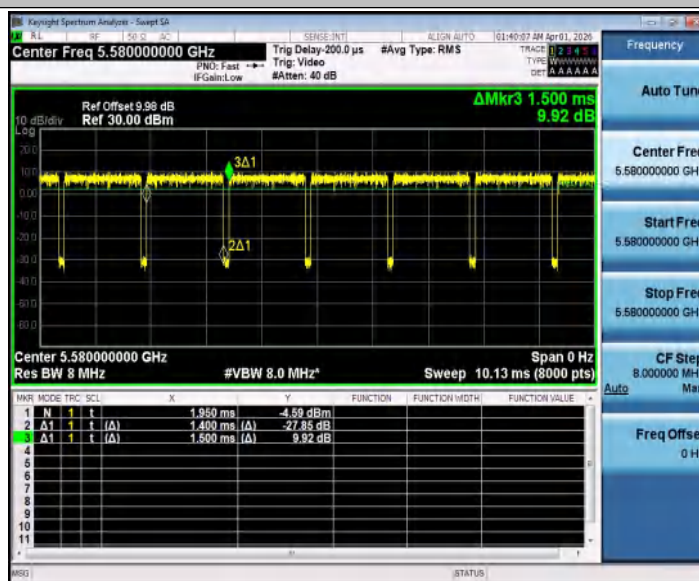
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5500	1.40	1.50	93.33	0.30	0.71
		5580	1.40	1.50	93.33	0.30	0.71
		5700	1.39	1.50	92.67	0.33	0.72
11N20SISO	Ant1	5500	1.30	1.41	92.20	0.35	0.77
		5580	1.30	1.41	92.20	0.35	0.77
		5700	1.31	1.41	92.91	0.32	0.76
11N40SISO	Ant1	5510	0.10	0.20	50.00	3.01	10.00
		5590	0.10	0.20	50.00	3.01	10.00
		5670	0.10	0.20	50.00	3.01	10.00
11AC20SISO	Ant1	5500	0.15	0.19	78.95	1.03	6.67
		5580	0.15	0.19	78.95	1.03	6.67
		5700	0.15	0.19	78.95	1.03	6.67
11AC40SISO	Ant1	5510	0.09	0.13	69.23	1.60	11.11
		5590	0.08	0.13	61.54	2.11	12.50
		5670	0.09	0.13	69.23	1.60	11.11
11AC80SISO	Ant1	5530	0.06	0.11	54.55	2.63	16.67
		5610	0.06	0.10	60.00	2.22	16.67

Test Graphs

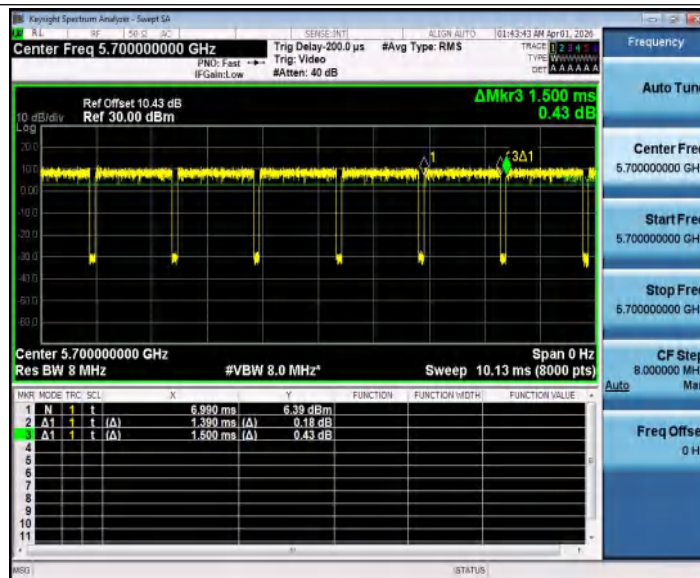
11A_Ant1_5500



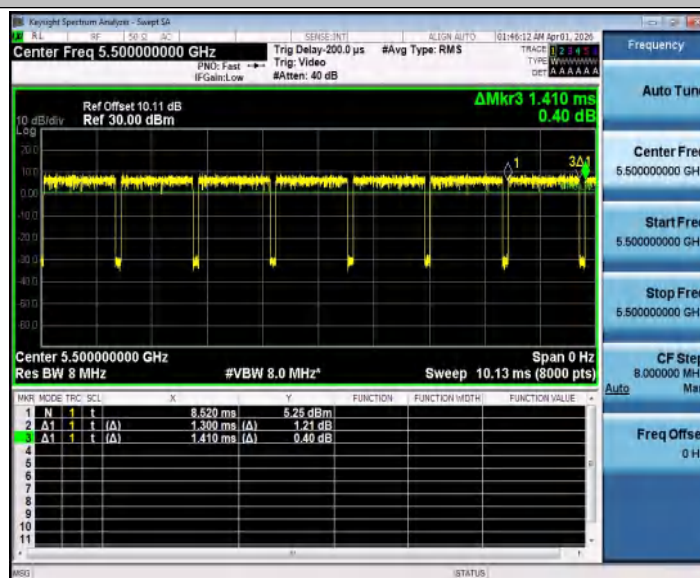
11A_Ant1_5580



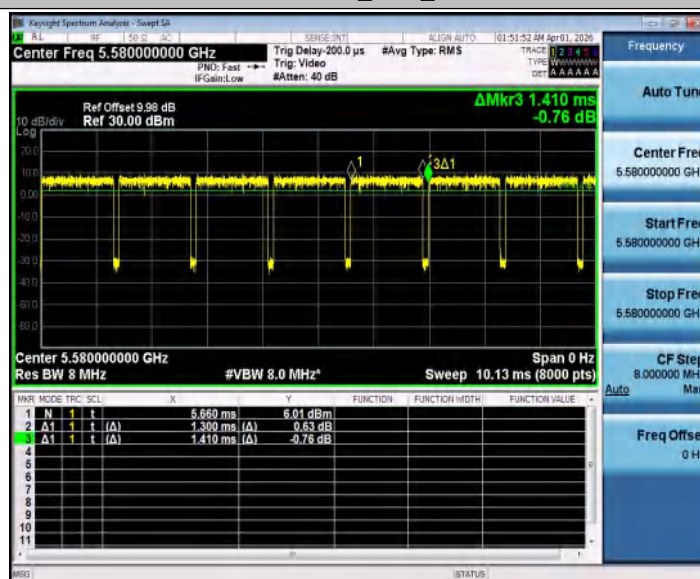
11A_Ant1_5700



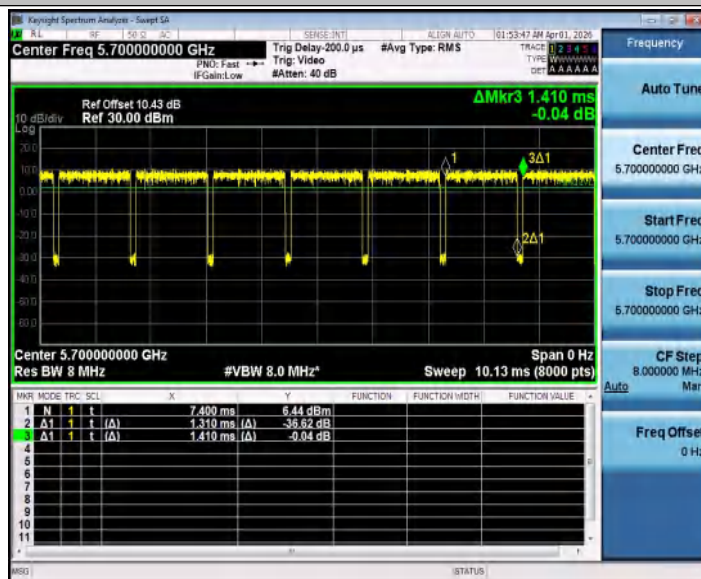
11N20SISO_Ant1_5500



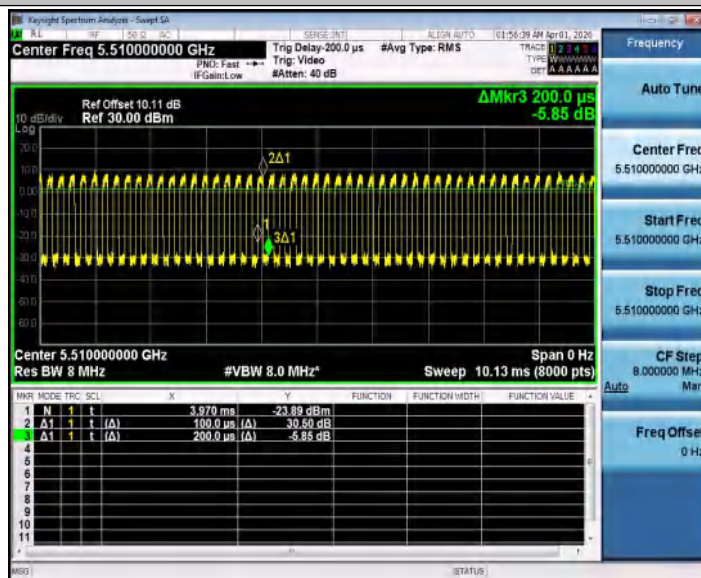
11N20SISO_Ant1_5580



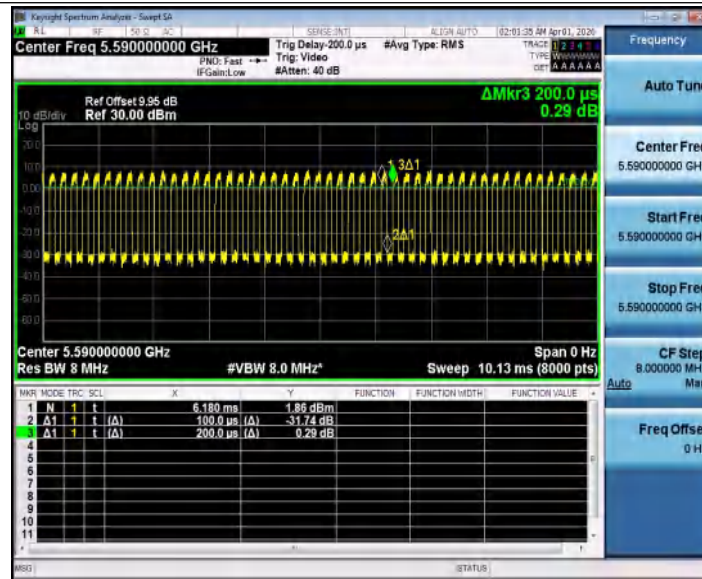
11N20SISO_Ant1_5700



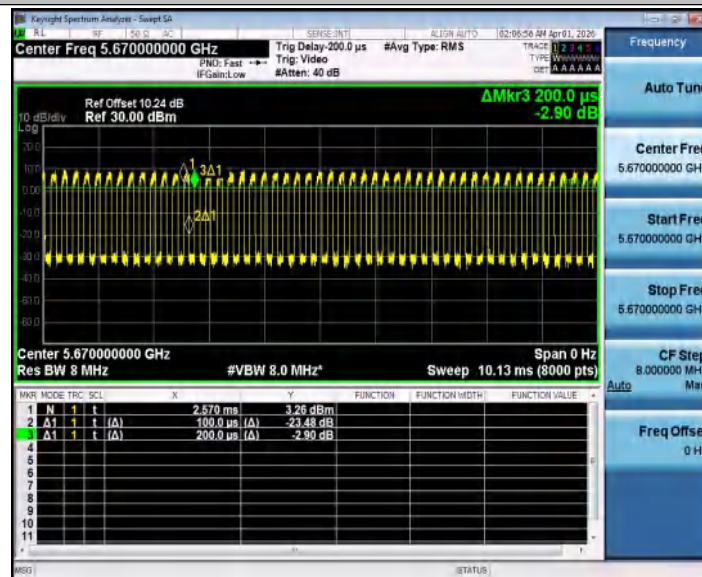
11N40SISO_Ant1_5510



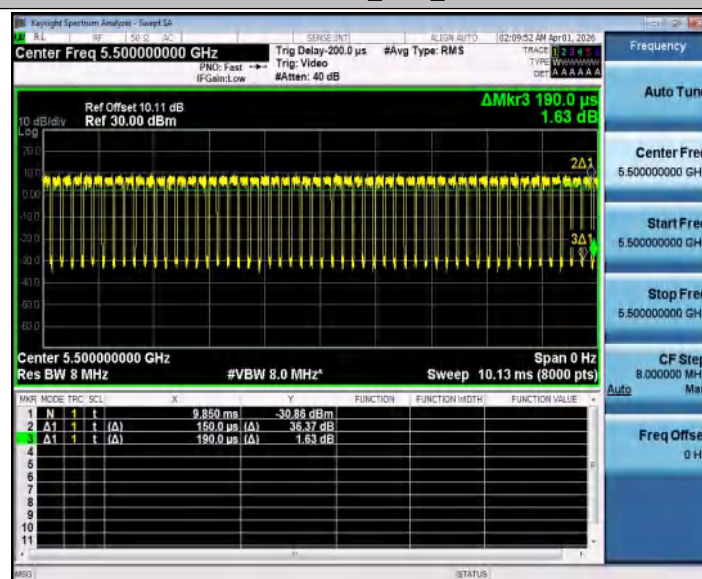
11N40SISO_Ant1_5590



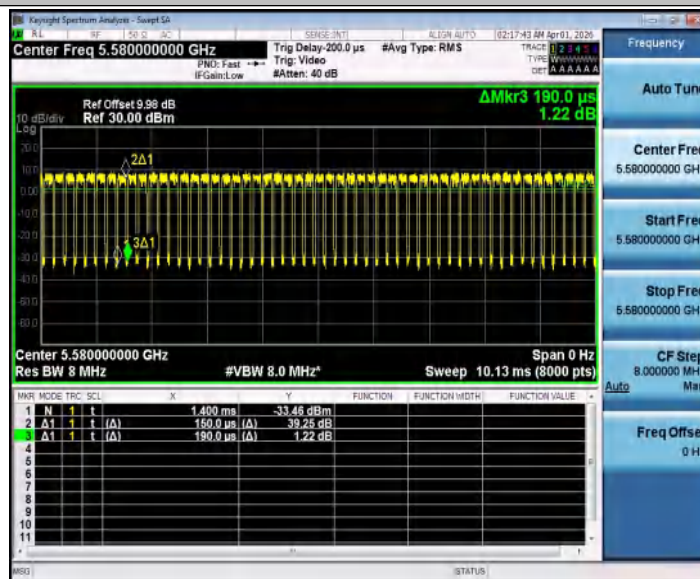
11N40SISO_Ant1_5670



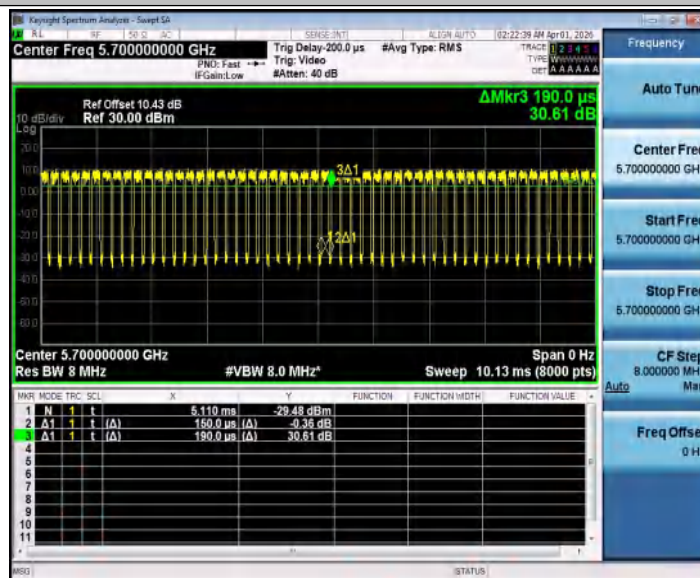
11AC20SISO_Ant1_5500



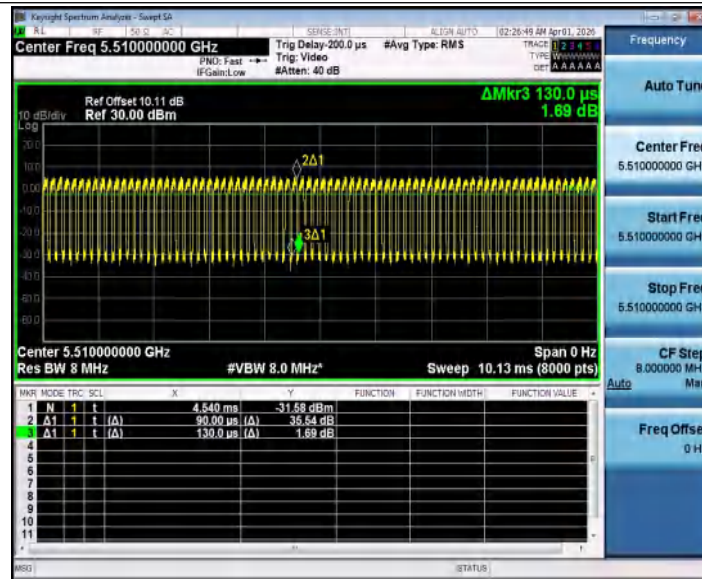
11AC20SISO_Ant1_5580



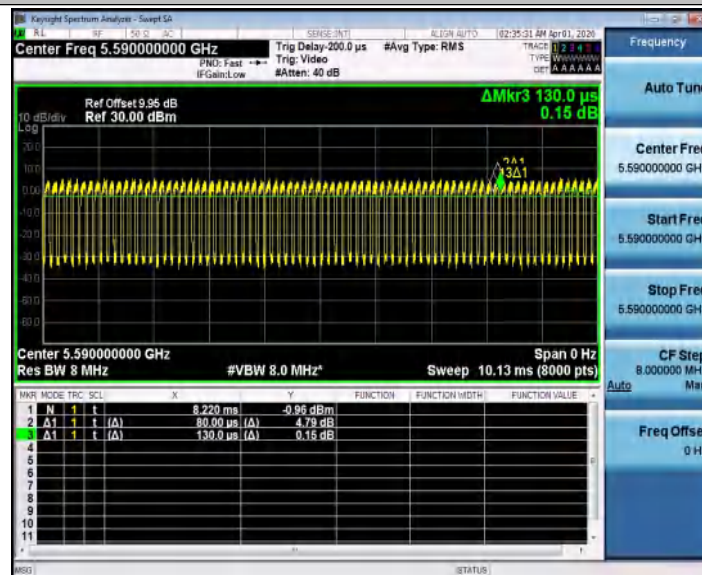
11AC20SISO_Ant1_5700



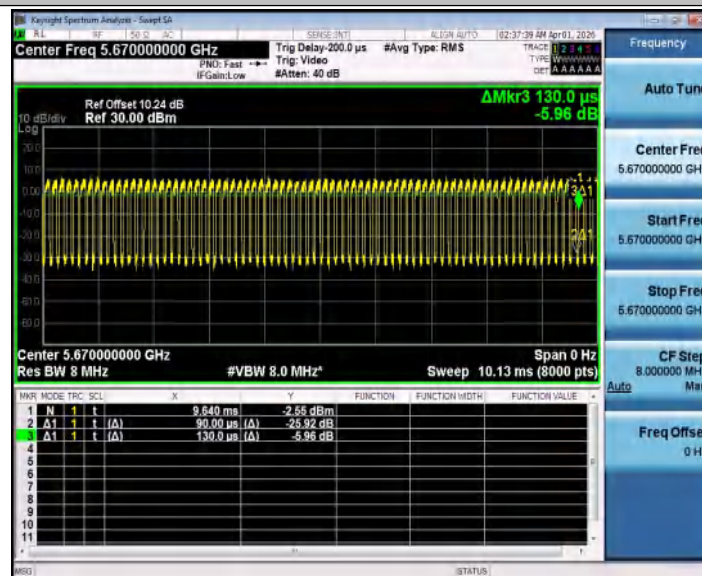
11AC40SISO_Ant1_5510



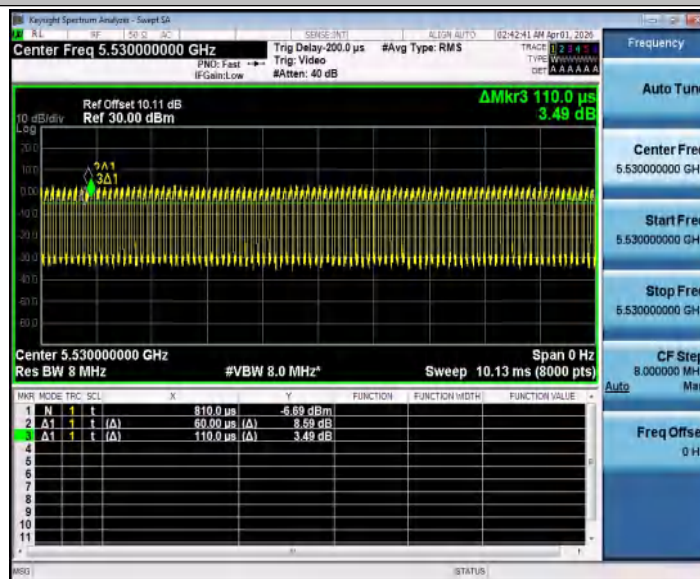
11AC40SISO_Ant1_5590



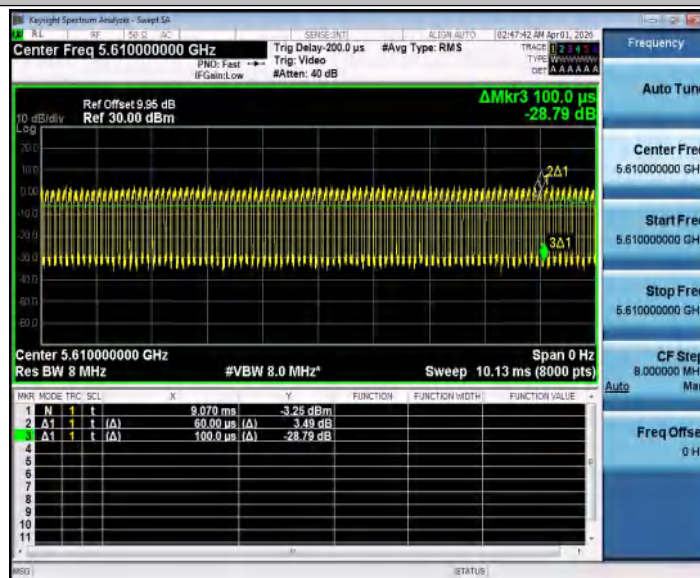
11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



Appendix 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	5500	9.41	93.33	0.30	9.71	≤23.98	PASS
		5580	9.44	93.33	0.30	9.74	≤23.98	PASS
		5700	10.04	92.67	0.33	10.37	≤23.98	PASS
11N20SISO	Ant1	5500	8.84	92.20	0.35	9.19	≤23.98	PASS
		5580	9.05	92.20	0.35	9.40	≤23.98	PASS
		5700	9.64	92.91	0.32	9.96	≤23.98	PASS
11N40SISO	Ant1	5510	7.92	50.00	3.01	10.93	≤23.98	PASS
		5590	7.61	50.00	3.01	10.62	≤23.98	PASS
		5670	8.70	50.00	3.01	11.71	≤23.98	PASS
11AC20SISO	Ant1	5500	8.53	78.95	1.03	9.56	≤23.98	PASS
		5580	8.43	78.95	1.03	9.46	≤23.98	PASS
		5700	8.98	78.95	1.03	10.01	≤23.98	PASS
11AC40SISO	Ant1	5510	6.42	69.23	1.60	8.02	≤23.98	PASS
		5590	6.44	61.54	2.11	8.55	≤23.98	PASS
		5670	7.08	69.23	1.60	8.68	≤23.98	PASS
11AC80SISO	Ant1	5530	5.50	54.55	2.63	8.13	≤23.98	PASS
		5610	5.21	60.00	2.22	7.43	≤23.98	PASS

Note:

1. The Duty Cycle Factor is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the data.

Appendix D.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5500	-0.18	≤11.00	PASS
		5580	-0.01	≤11.00	PASS
		5700	0.81	≤11.00	PASS
11N20SISO	Ant1	5500	-0.80	≤11.00	PASS
		5580	-0.52	≤11.00	PASS
		5700	0.19	≤11.00	PASS
11N40SISO	Ant1	5510	-1.85	≤11.00	PASS
		5590	-2.24	≤11.00	PASS
		5670	-1.19	≤11.00	PASS
11AC20SISO	Ant1	5500	-0.72	≤11.00	PASS
		5580	-0.76	≤11.00	PASS
		5700	-0.03	≤11.00	PASS
11AC40SISO	Ant1	5510	-4.67	≤11.00	PASS
		5590	-4.22	≤11.00	PASS
		5670	-4.24	≤11.00	PASS
11AC80SISO	Ant1	5530	-6.69	≤11.00	PASS
		5610	-7.53	≤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



Appendix D.6: Band edge measurements

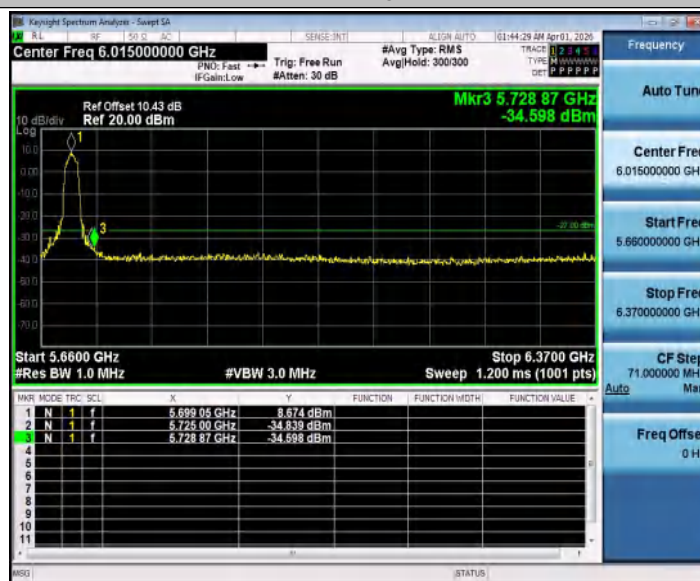
TestMode	Antenna	ChName	Freq(MHz)	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5500	-36.21	≤ -27	PASS
		High	5700	-34.6	≤ -27	PASS
11N20SISO	Ant1	Low	5500	-36.96	≤ -27	PASS
		High	5700	-36.64	≤ -27	PASS
11N40SISO	Ant1	Low	5510	-29.49	≤ -27	PASS
		High	5670	-37.21	≤ -27	PASS
11AC20SISO	Ant1	Low	5500	-32.85	≤ -27	PASS
		High	5700	-35.5	≤ -27	PASS
11AC40SISO	Ant1	Low	5510	-37.48	≤ -27	PASS
		High	5670	-36.42	≤ -27	PASS
11AC80SISO	Ant1	Low	5530	-36.92	≤ -27	PASS
		High	5610	-37.22	≤ -27	PASS

Test Graphs B1/2/3

11A_Ant1_Low_5500



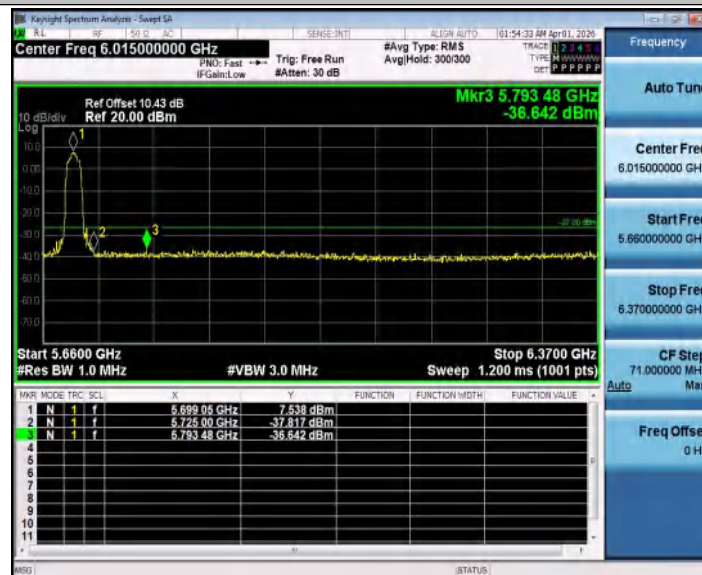
11A_Ant1_High_5700



11N20SISO_Ant1_Low_5500



11N20SISO_Ant1_High_5700



11N40SISO_Ant1_Low_5510



11N40SISO_Ant1_High_5670



11AC20SISO_Ant1_Low_5500



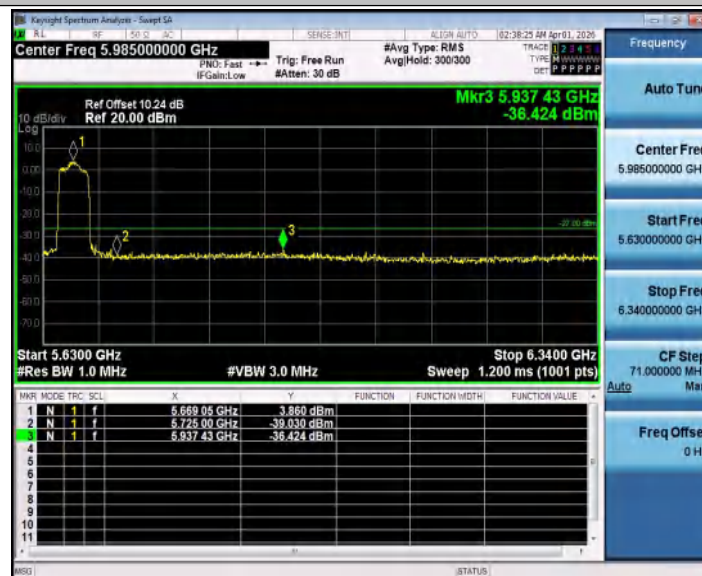
11AC20SISO_Ant1_High_5700



11AC40SISO_Ant1_Low_5510



11AC40SISO_Ant1_High_5670



11AC80SISO_Ant1_Low_5530



11AC80SISO_Ant1_High_5610



Appendix D.7: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5500	30~5460	5459.28	-40.72	≤-27	PASS
			5735~27000	24206.49	-36.95	≤-27	PASS
		5580	30~5460	5430.5	-46.67	≤-27	PASS
			5735~27000	26559.11	-36.54	≤-27	PASS
		5700	30~5460	5408.96	-45.27	≤-27	PASS
			5735~27000	24838.77	-36.56	≤-27	PASS
11N20SISO	Ant1	5500	30~5460	5459.82	-45.5	≤-27	PASS
			5735~27000	26935.5	-36.6	≤-27	PASS
		5580	30~5460	3341.4	-46.16	≤-27	PASS
			5735~27000	23616.03	-36.79	≤-27	PASS
		5700	30~5460	3213.61	-45.95	≤-27	PASS
			5735~27000	26041.66	-36.69	≤-27	PASS
11N40SISO	Ant1	5510	30~5460	5458.73	-32.74	≤-27	PASS
			5735~27000	24259.65	-37.3	≤-27	PASS
		5590	30~5460	5444.62	-46.16	≤-27	PASS
			5735~27000	24306.43	-37.57	≤-27	PASS
		5670	30~5460	5442.08	-45.32	≤-27	PASS
			5735~27000	25296.67	-36.73	≤-27	PASS
11AC20SISO	Ant1	5500	30~5460	5459.28	-44.72	≤-27	PASS
			5735~27000	24283.04	-36.93	≤-27	PASS
		5580	30~5460	5425.43	-46.62	≤-27	PASS
			5735~27000	26926.28	-36.84	≤-27	PASS
		5700	30~5460	5448.05	-45.51	≤-27	PASS
			5735~27000	24224.92	-36.91	≤-27	PASS
11AC40SISO	Ant1	5510	30~5460	5456.56	-44.92	≤-27	PASS
			5735~27000	23605.4	-36.83	≤-27	PASS
		5590	30~5460	3161.84	-46.39	≤-27	PASS
			5735~27000	24178.13	-37.4	≤-27	PASS
		5670	30~5460	5444.43	-46.12	≤-27	PASS
			5735~27000	26642.75	-36.36	≤-27	PASS
11AC80SISO	Ant1	5530	30~5460	5448.6	-44.58	≤-27	PASS
			5735~27000	25157.74	-37.06	≤-27	PASS
		5610	30~5460	5430.5	-44.61	≤-27	PASS
			5735~27000	24238.39	-37.1	≤-27	PASS

Test Graphs

11A_Ant1_5500_30~5460



11A_Ant1_5500_5735~27000



11A_Ant1_5580_30~5460



11A_Ant1_5580_5735~27000



11A_Ant1_5700_30~5460



11A_Ant1_5700_5735~27000



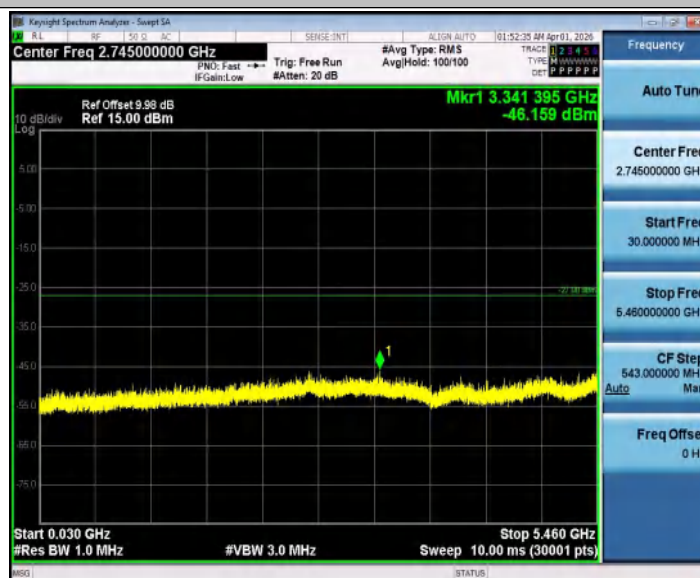
11N20SISO_Ant1_5500_30~5460



11N20SISO_Ant1_5500_5735~27000



11N20SISO_Ant1_5580_30~5460



11N20SISO_Ant1_5580_5735~27000



11N20SISO_Ant1_5700_30~5460



11N20SISO_Ant1_5700_5735~27000



11N40SISO_Ant1_5510_30~5460



11N40SISO_Ant1_5510_5735~27000



11N40SISO_Ant1_5590_30~5460



11N40SISO_Ant1_5590_5735~27000



11N40SISO_Ant1_5670_30~5460



11N40SISO_Ant1_5670_5735~27000



11AC20SISO_Ant1_5500_30~5460



11AC20SISO_Ant1_5500_5735~27000



11AC20SISO_Ant1_5580_30~5460



11AC20SISO_Ant1_5580_5735~27000



11AC20SISO_Ant1_5700_30~5460



11AC20SISO_Ant1_5700_5735~27000



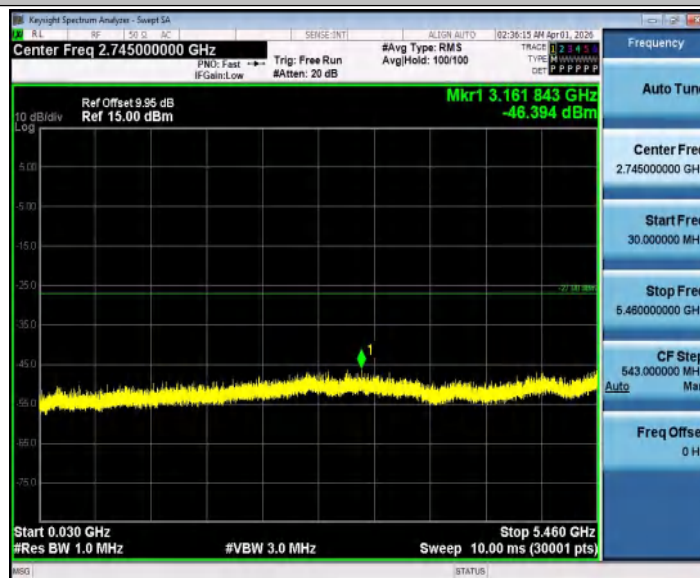
11AC40SISO_Ant1_5510_30~5460



11AC40SISO_Ant1_5510_5735~27000



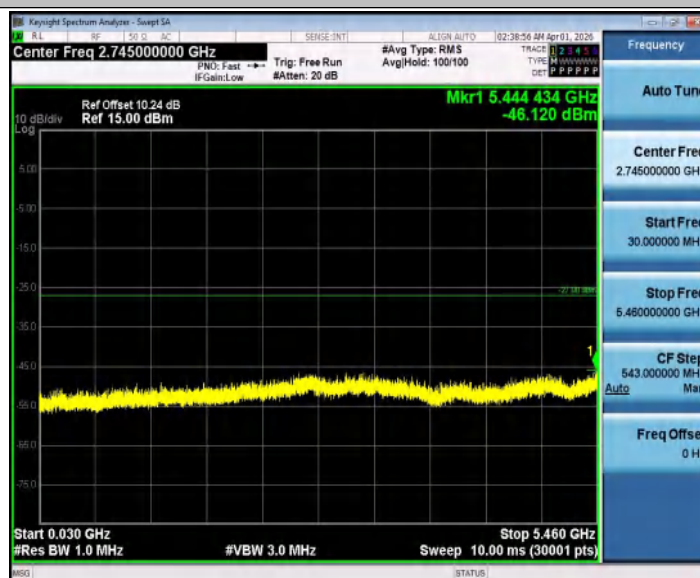
11AC40SISO_Ant1_5590_30~5460



11AC40SISO_Ant1_5590_5735~27000



11AC40SISO_Ant1_5670_30~5460



11AC40SISO_Ant1_5670_5735~27000



11AC80SISO_Ant1_5530_30~5460



11AC80SISO_Ant1_5530_5735~27000



11AC80SISO_Ant1_5610_30~5460



11AC80SISO_Ant1_5610_5735~27000



Appendix D.8: Emissions in Restricted Bands

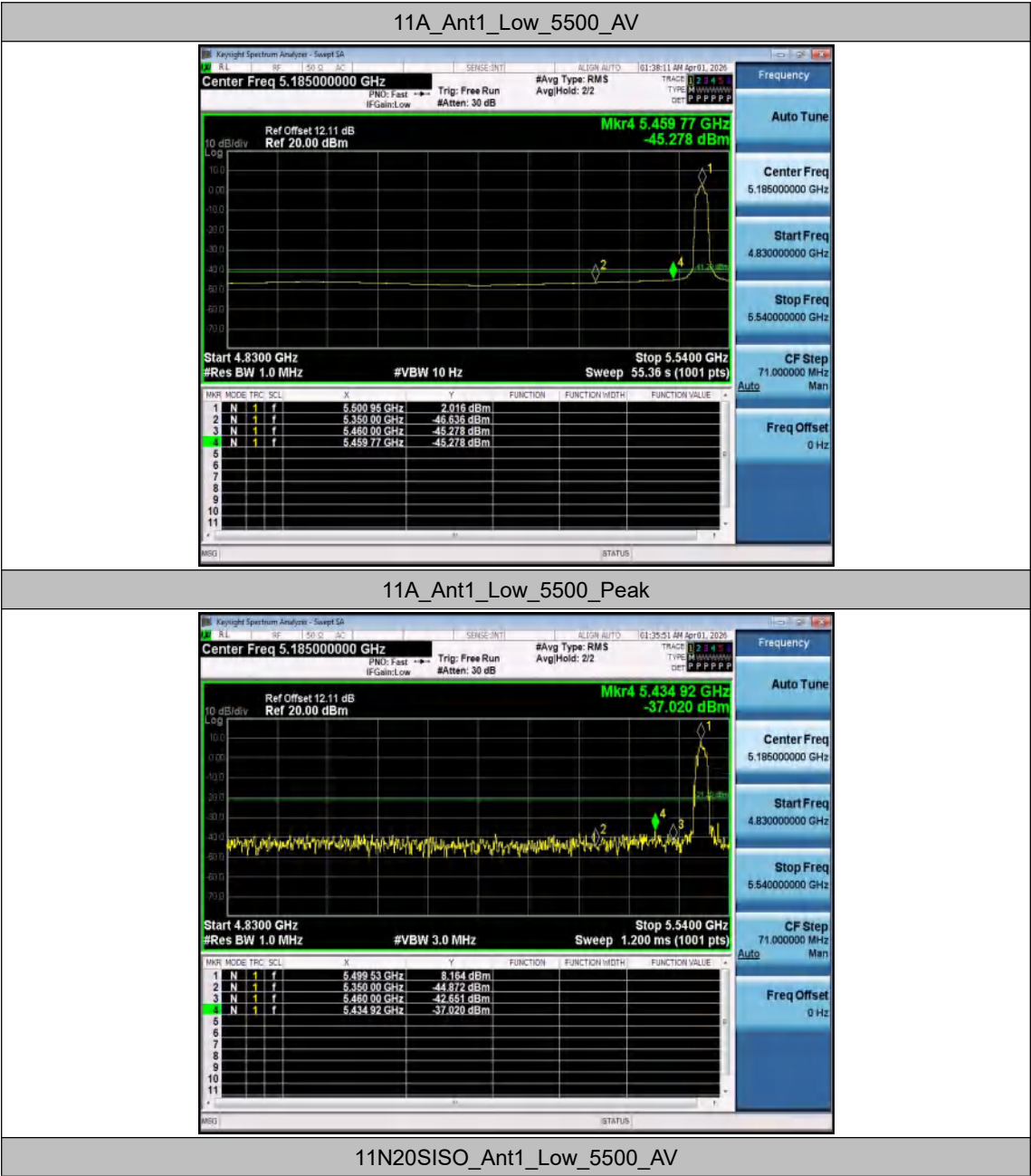
Test Result

TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11A	Ant1	Low	5500	AV	5350.000	-46.64	≤-41.20	48.56	≤54	PASS
				AV	5459.770	-45.28	≤-41.20	49.92	≤54	PASS
				AV	5460.000	-45.28	≤-41.20	49.92	≤54	PASS
				Peak	5350.000	-44.87	≤-21.20	50.33	≤74	PASS
				Peak	5434.920	-37.02	≤-21.20	58.18	≤74	PASS
				Peak	5460.000	-42.65	≤-21.20	52.55	≤74	PASS
11N20SISO	Ant1	Low	5500	AV	5350.000	-46.62	≤-41.20	48.58	≤54	PASS
				AV	5459.060	-45.46	≤-41.20	49.74	≤54	PASS
				AV	5460.000	-45.46	≤-41.20	49.74	≤54	PASS
				Peak	5350.000	-44.47	≤-21.20	50.73	≤74	PASS
				Peak	5360.370	-36.34	≤-21.20	58.86	≤74	PASS
				Peak	5460.000	-50.5	≤-21.20	44.70	≤74	PASS
11N40SISO	Ant1	Low	5510	AV	5350.000	-46.61	≤-41.20	48.59	≤54	PASS
				AV	5459.830	-44.53	≤-41.20	50.67	≤54	PASS
				AV	5460.000	-44.53	≤-41.20	50.67	≤54	PASS
				Peak	5350.000	-42.91	≤-21.20	52.29	≤74	PASS
				Peak	5414.390	-38.83	≤-21.20	56.37	≤74	PASS
				Peak	5460.000	-40.53	≤-21.20	54.67	≤74	PASS
11AC20SISO	Ant1	Low	5500	AV	5350.000	-46.65	≤-41.20	48.55	≤54	PASS
				AV	5459.770	-45.38	≤-41.20	49.82	≤54	PASS
				AV	5460.000	-45.38	≤-41.20	49.82	≤54	PASS
				Peak	5350.000	-40.24	≤-21.20	54.96	≤74	PASS
				Peak	5436.340	-38.6	≤-21.20	56.60	≤74	PASS
				Peak	5460.000	-43.16	≤-21.20	52.04	≤74	PASS
11AC40SISO	Ant1	Low	5510	AV	5350.000	-46.59	≤-41.20	48.61	≤54	PASS
				AV	5454.150	-45.47	≤-41.20	49.73	≤54	PASS
				AV	5460.000	-45.49	≤-41.20	49.71	≤54	PASS
				Peak	5350.000	-39.07	≤-21.20	56.13	≤74	PASS
				Peak	5422.910	-35.54	≤-21.20	59.66	≤74	PASS
				Peak	5460.000	-39.29	≤-21.20	55.91	≤74	PASS
11AC80SISO	Ant1	Low	5530	AV	5350.000	-46.52	≤-41.20	48.68	≤54	PASS
				AV	5458.530	-45.19	≤-41.20	50.01	≤54	PASS
				AV	5460.000	-45.3	≤-41.20	49.90	≤54	PASS
				Peak	5350.000	-41.12	≤-21.20	54.08	≤74	PASS
				Peak	5447.170	-35.39	≤-21.20	59.81	≤74	PASS
				Peak	5460.000	-38.81	≤-21.20	56.39	≤74	PASS

Note:

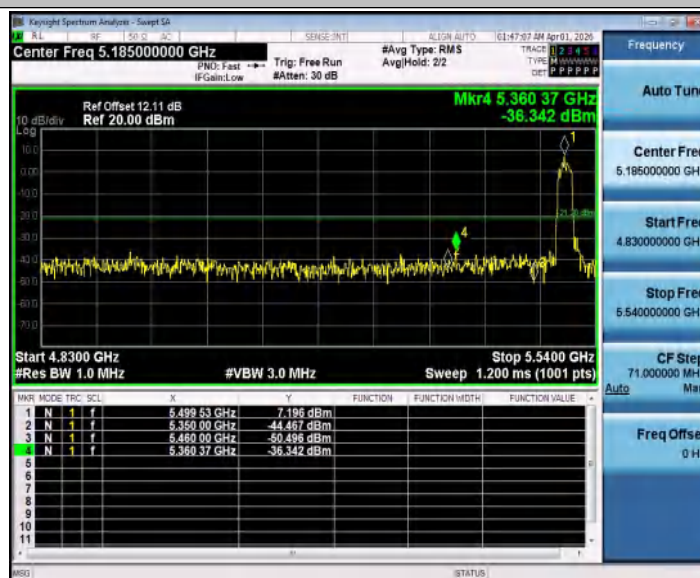
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. For transmitters operating in 5150-5350 GHz band and 5470-5725 GHz band: The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs





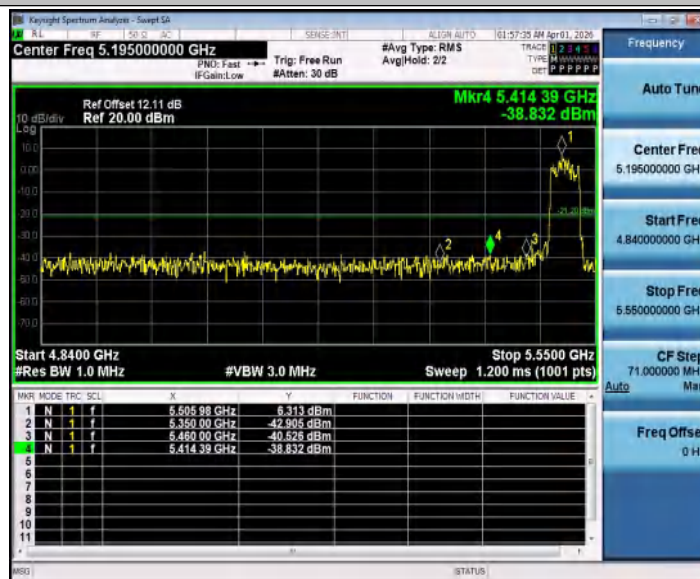
11N20SISO_Ant1_Low_5500_Peak



11N40SISO_Ant1_Low_5510_AV



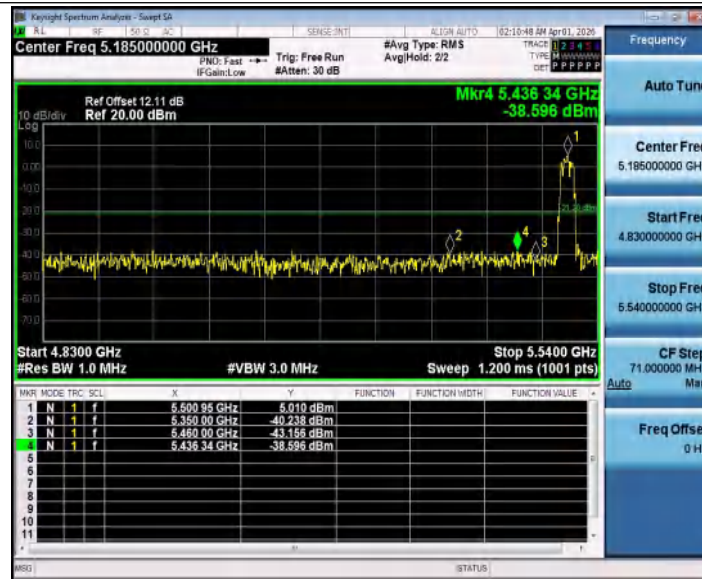
11N40SISO_Ant1_Low_5510_Peak



11AC20SISO_Ant1_Low_5500_AV



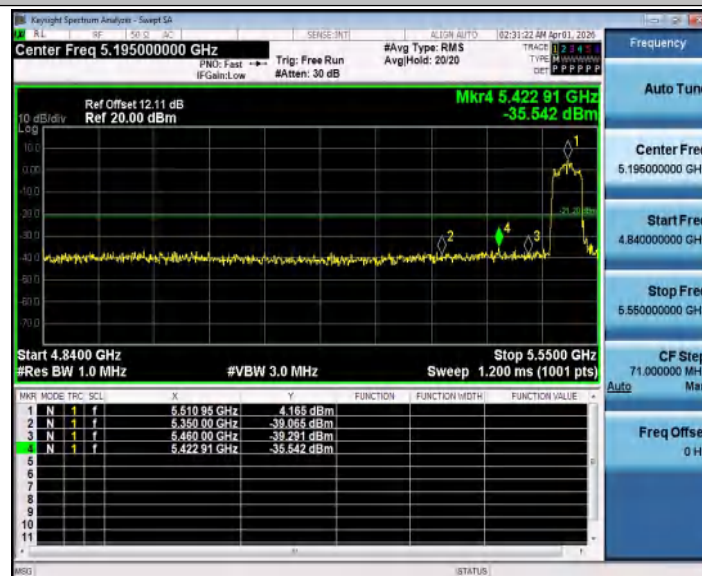
11AC20SISO_Ant1_Low_5500_Peak



11AC40SISO_Ant1_Low_5510_AV



11AC40SISO_Ant1_Low_5510_Peak



11AC80SISO_Ant1_Low_5530_AV



11AC80SISO_Ant1_Low_5530_Peak

