

Case No. : <u>GTS20220524002-1-2</u>	
Ambient Condition: <u>26 °C, 47 %RH,</u>	
Test Date: <u>2022.6.22</u>	Test Engineer: <u>Jenny zeng</u>

Appendix D.1: Occupied channel bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.066	5736.488	5753.554	---	---
		5785	17.060	5776.453	5793.513	---	---
		5825	17.085	5816.444	5833.529	---	---
11N20SISO	Ant1	5745	18.120	5735.940	5754.060	---	---
		5785	18.162	5775.897	5794.059	---	---
		5825	18.048	5815.962	5834.010	---	---
11N40SISO	Ant1	5755	36.319	5736.880	5773.199	---	---
		5795	36.368	5776.840	5813.208	---	---
11AC20SISO	Ant1	5745	17.925	5736.048	5753.973	---	---
		5785	17.901	5776.031	5793.932	---	---
		5825	17.917	5816.019	5833.936	---	---
11AC40SISO	Ant1	5755	36.304	5736.922	5773.226	---	---
		5795	36.337	5776.836	5813.173	---	---
11AC80SISO	Ant1	5775	75.300	5737.409	5812.709	---	---
11AX20SISO	Ant1	5745	19.198	5735.446	5754.644	---	---
		5785	19.235	5775.452	5794.687	---	---
		5825	19.178	5815.514	5834.692	---	---
11AX40SISO	Ant1	5755	38.480	5735.775	5774.255	---	---
		5795	38.208	5775.997	5814.205	---	---
11AX80SISO	Ant1	5775	77.291	5736.422	5813.713	---	---

Test Graphs

11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80ISO_Ant1_5775



11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40ISO_Ant1_5755



11AX40ISO_Ant1_5795



11AX80SISO_Ant1_5775



Appendix D.2: Min emission bandwidth

Test Result B4

TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	15.480	5737.240	5752.720	0.5	PASS
		5785	15.080	5777.480	5792.560	0.5	PASS
		5825	15.080	5817.440	5832.520	0.5	PASS
11N20SISO	Ant1	5745	17.600	5736.200	5753.800	0.5	PASS
		5785	17.560	5776.200	5793.760	0.5	PASS
		5825	17.560	5816.200	5833.760	0.5	PASS
11N40SISO	Ant1	5755	36.320	5736.840	5773.160	0.5	PASS
		5795	36.320	5776.840	5813.160	0.5	PASS
11AC20SISO	Ant1	5745	17.600	5736.200	5753.800	0.5	PASS
		5785	17.560	5776.200	5793.760	0.5	PASS
		5825	17.560	5816.200	5833.760	0.5	PASS
11AC40SISO	Ant1	5755	36.080	5737.080	5773.160	0.5	PASS
		5795	36.320	5776.840	5813.160	0.5	PASS
11AC80SISO	Ant1	5775	76.160	5736.920	5813.080	0.5	PASS
11AX20SISO	Ant1	5745	19.040	5735.520	5754.560	0.5	PASS
		5785	19.040	5775.520	5794.560	0.5	PASS
		5825	19.000	5815.600	5834.600	0.5	PASS
11AX40SISO	Ant1	5755	36.320	5736.840	5773.160	0.5	PASS
		5795	38.080	5775.960	5814.040	0.5	PASS
11AX80SISO	Ant1	5775	77.760	5736.280	5814.040	0.5	PASS

Test Graphs B4

11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



11AX80SISO_Ant1_5775



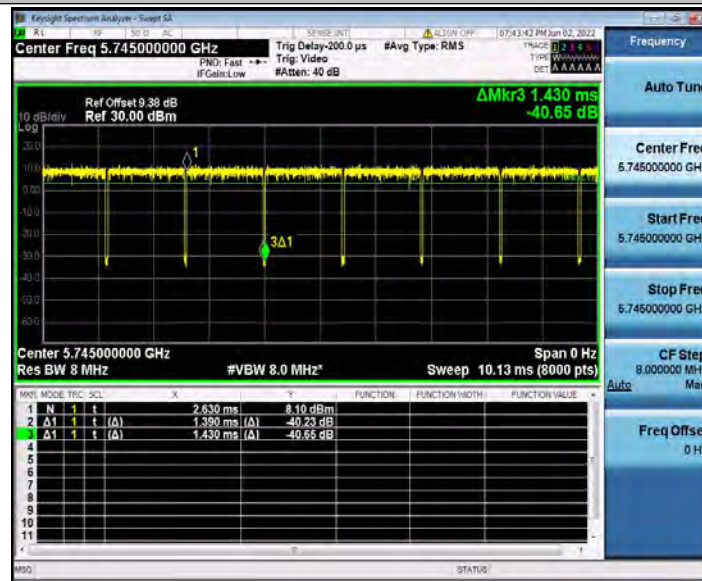
Appendix D.3: Duty Cycle

Test Result

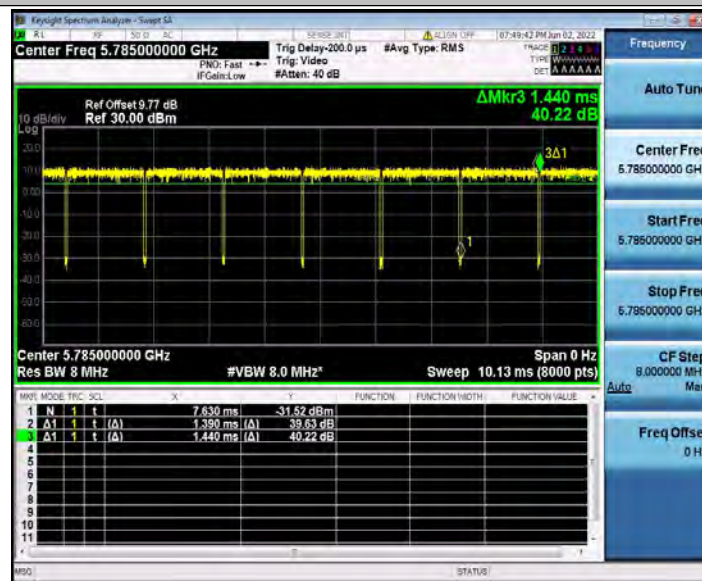
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5745	1.39	1.43	97.20
		5785	1.39	1.44	96.53
		5825	1.39	1.44	96.53
11N20SISO	Ant1	5745	30.00	30.00	100.00
		5785	30.00	30.00	100.00
		5825	30.00	30.00	100.00
11N40SISO	Ant1	5755	30.00	30.00	100.00
		5795	30.00	30.00	100.00
11AC20SISO	Ant1	5745	30.00	30.00	100.00
		5785	30.00	30.00	100.00
		5825	30.00	30.00	100.00
11AC40SISO	Ant1	5755	30.00	30.00	100.00
		5795	30.00	30.00	100.00
11AC80SISO	Ant1	5775	30.00	30.00	100.00
11AX20SISO	Ant1	5745	30.00	30.00	100.00
		5785	30.00	30.00	100.00
		5825	30.00	30.00	100.00
11AX40SISO	Ant1	5755	30.00	30.00	100.00
		5795	30.00	30.00	100.00
11AX80SISO	Ant1	5775	30.00	30.00	100.00

Test Graphs

11A_Ant1_5745



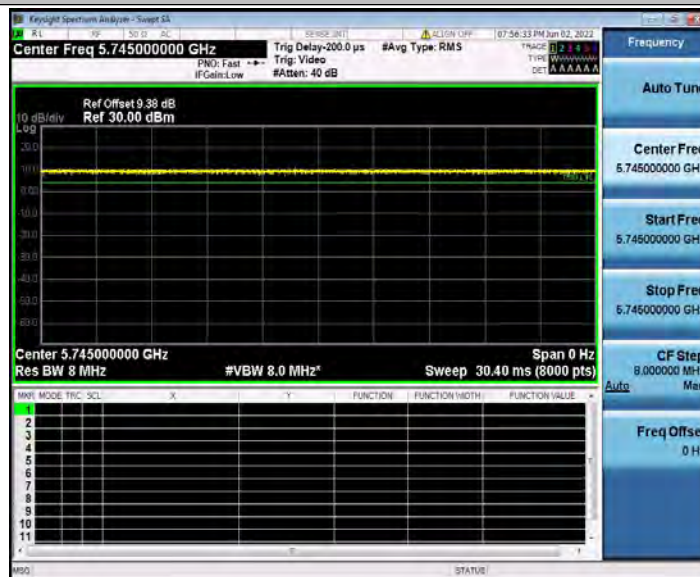
11A_Ant1_5785



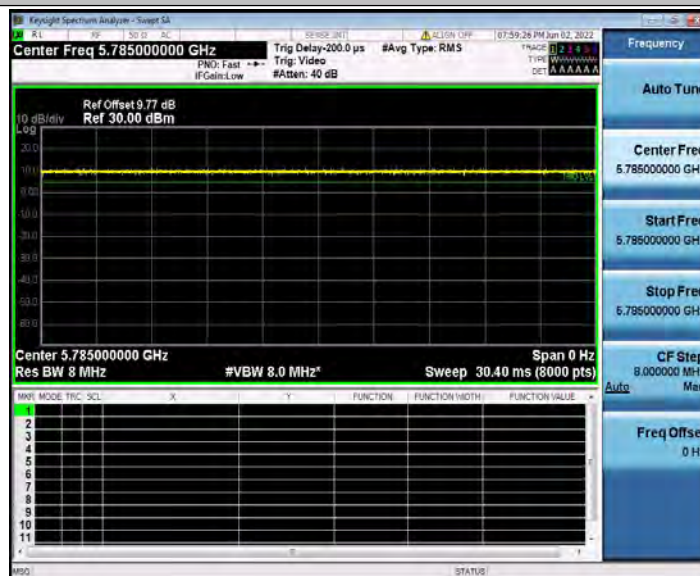
11A_Ant1_5825



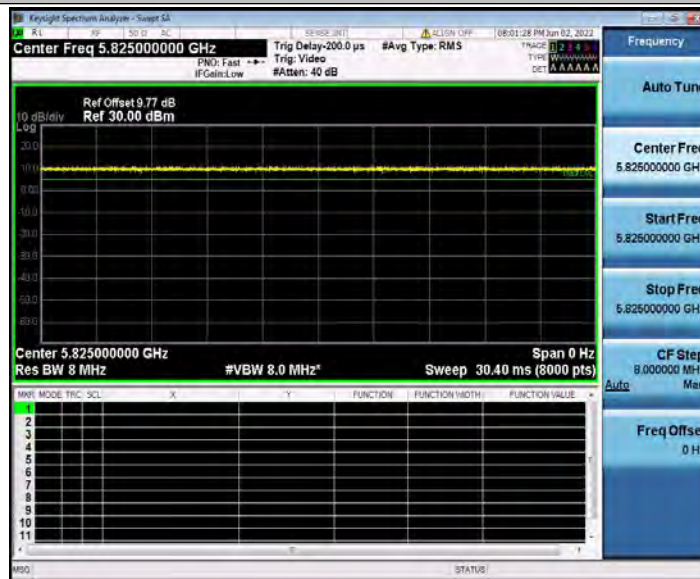
11N20SISO_Ant1_5745



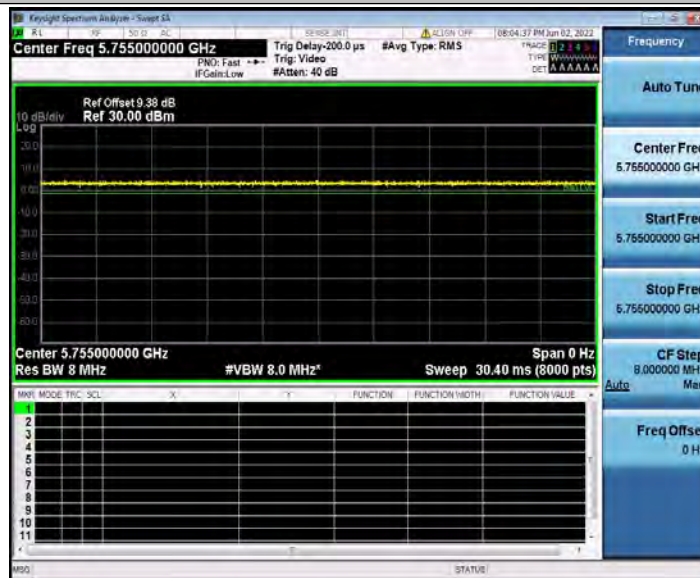
11N20SISO_Ant1_5785



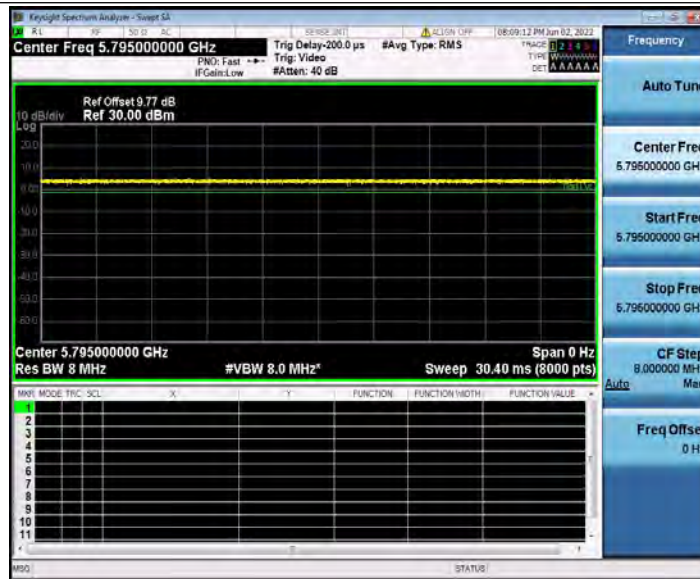
11N20SISO_Ant1_5825



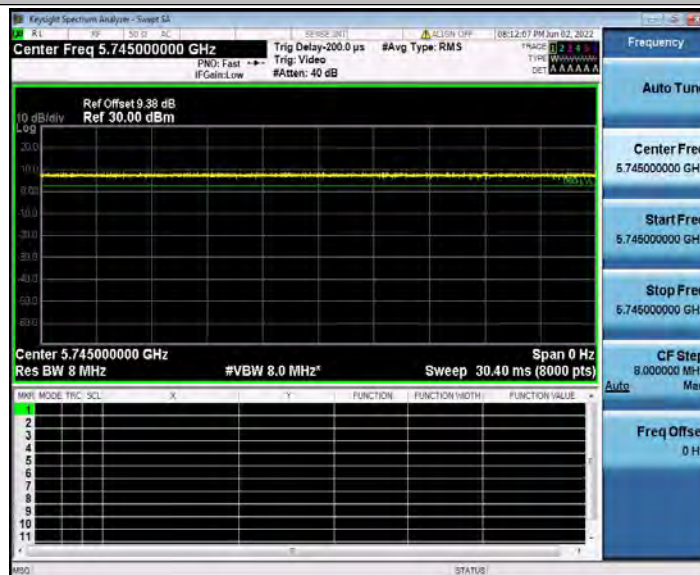
11N40SISO_Ant1_5755



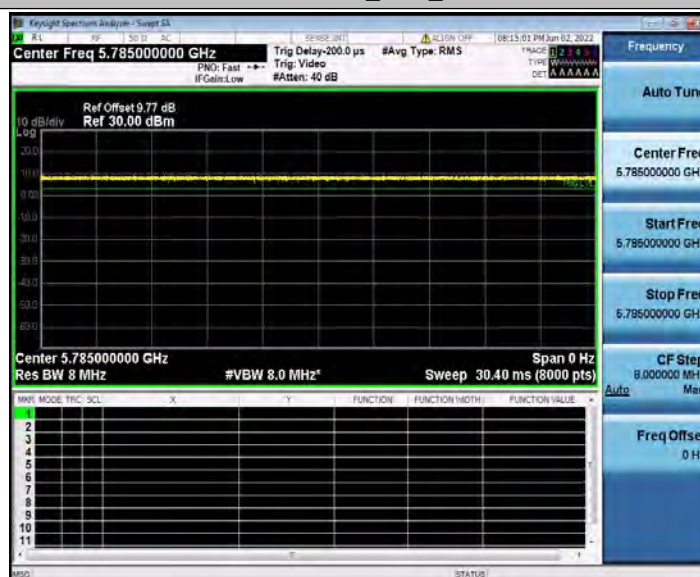
11N40SISO_Ant1_5795



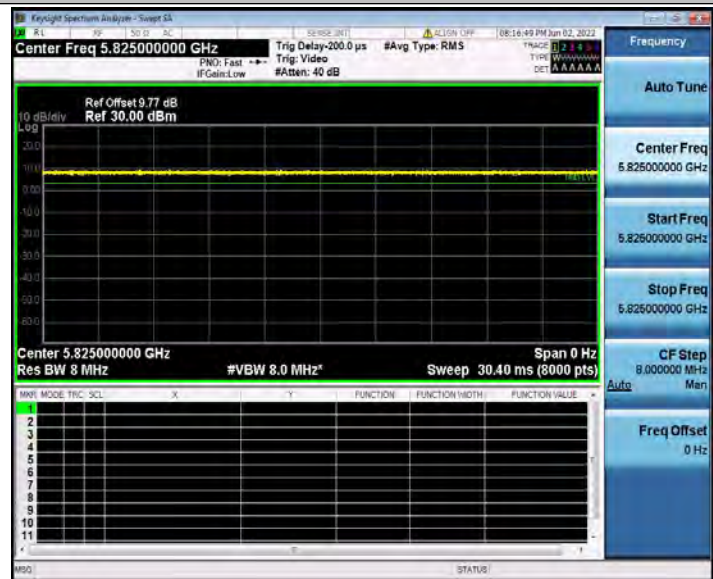
11AC20SISO_Ant1_5745



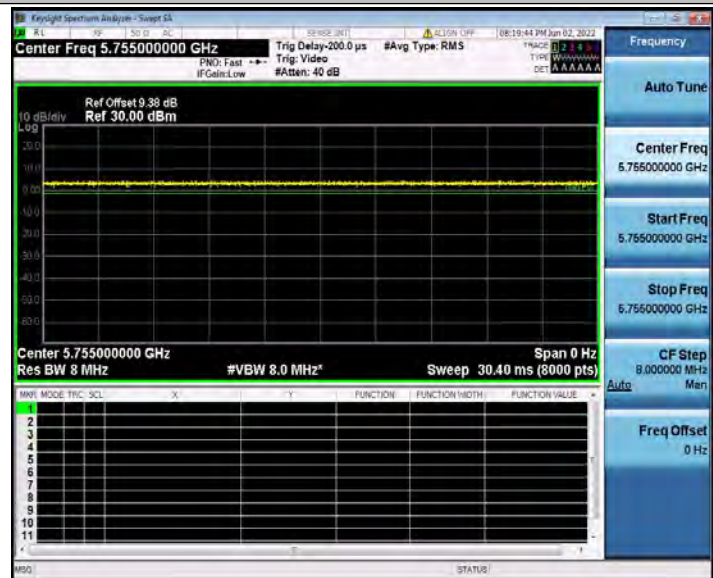
11AC20SISO_Ant1_5785



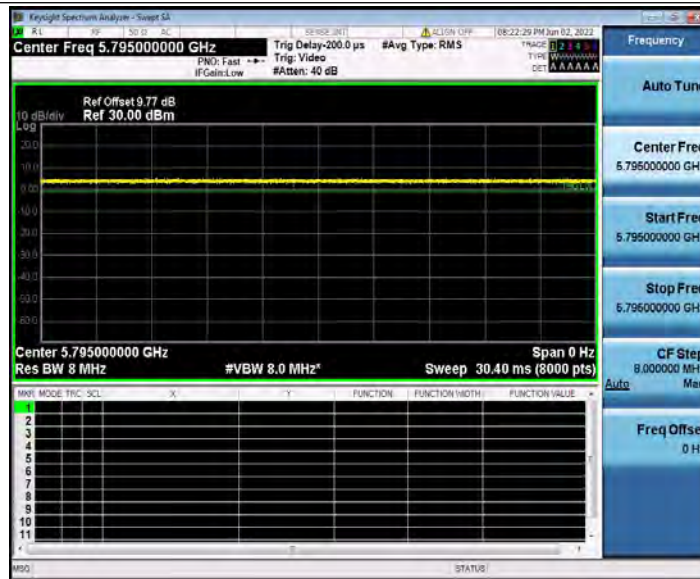
11AC20SISO_Ant1_5825



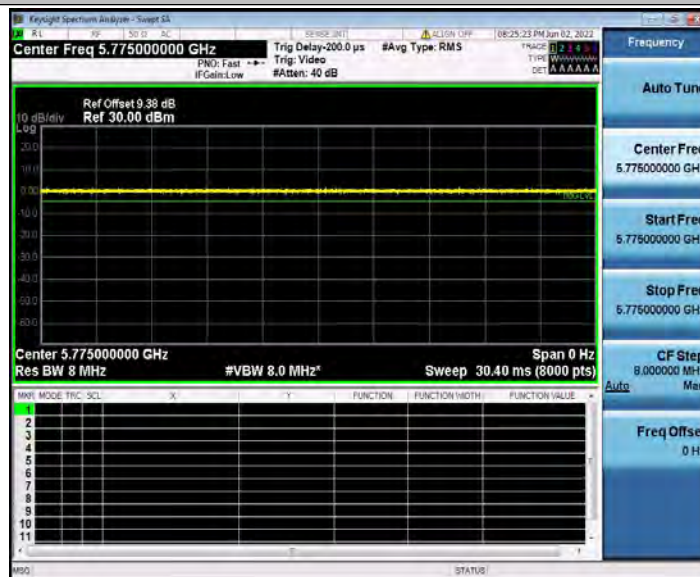
11AC40SISO_Ant1_5755



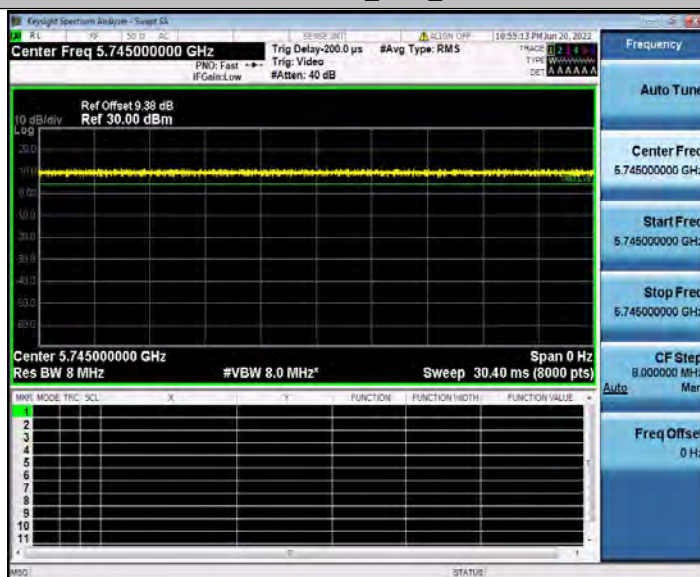
11AC40SISO_Ant1_5795



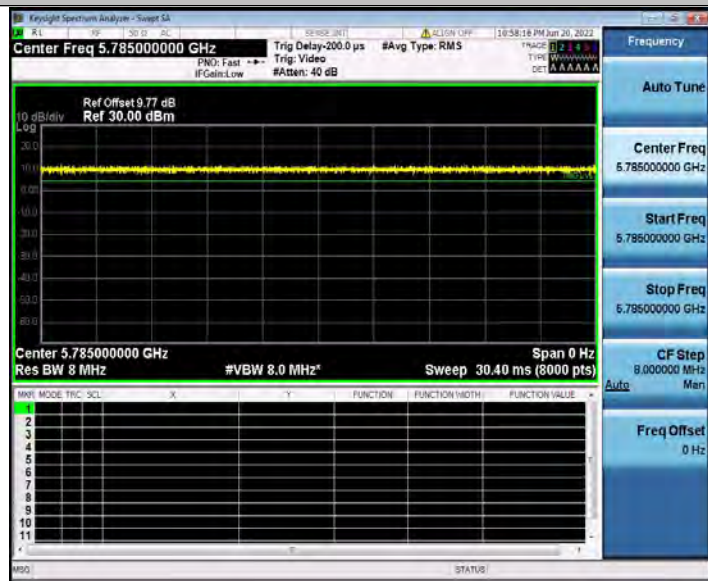
11AC80ISO_Ant1_5775



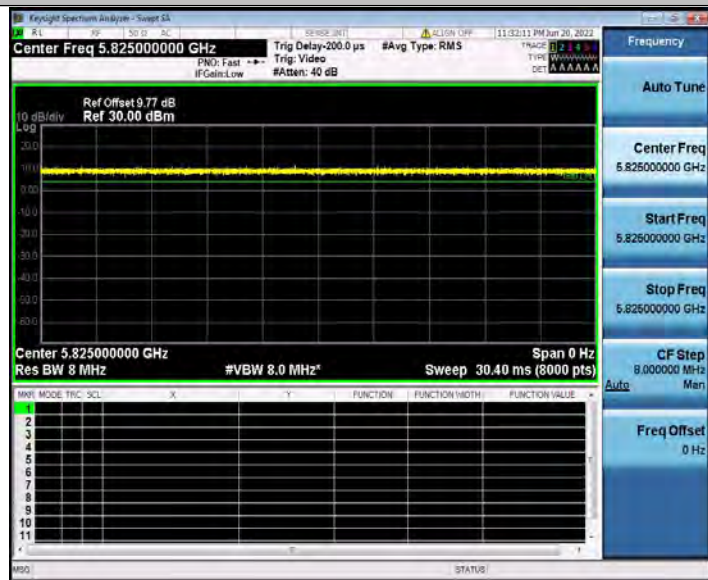
11AX20ISO_Ant1_5745



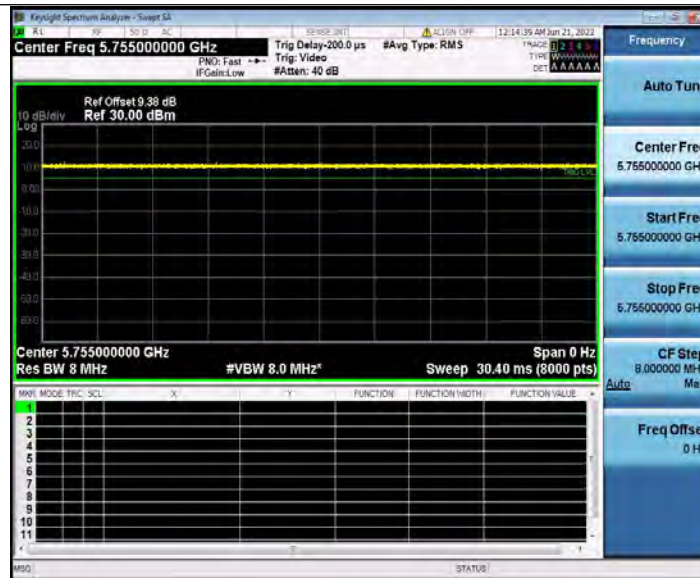
11AX20SISO_Ant1_5785



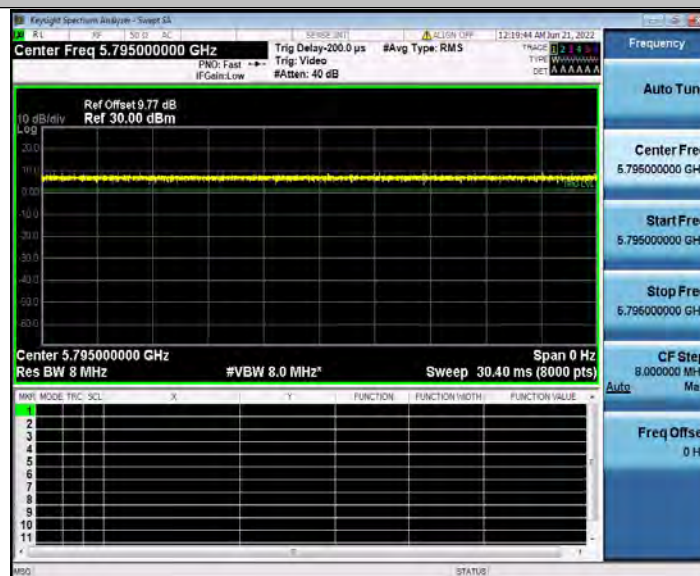
11AX20SISO_Ant1_5825



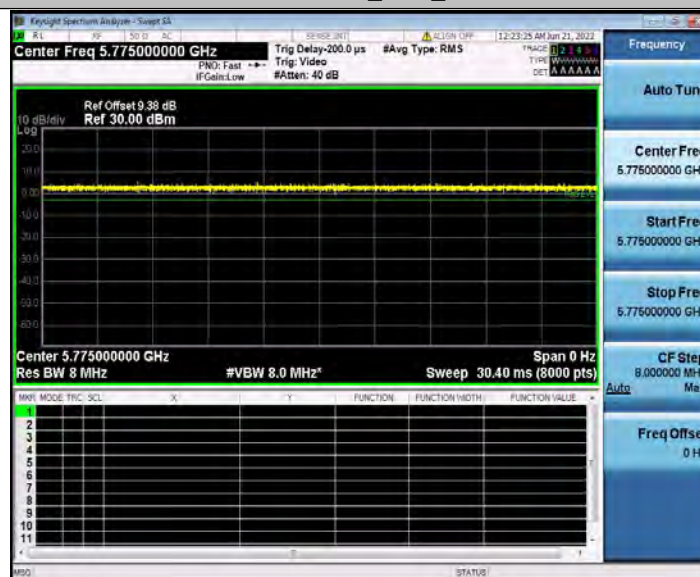
11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



11AX80SISO_Ant1_5775



Appendix D.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	4.55	≤30.00	PASS
		5785	4.69	≤30.00	PASS
		5825	5.68	≤30.00	PASS
11N20SISO	Ant1	5745	4.83	≤30.00	PASS
		5785	5.17	≤30.00	PASS
		5825	5.54	≤30.00	PASS
11N40SISO	Ant1	5755	-0.7	≤30.00	PASS
		5795	-0.65	≤30.00	PASS
11AC20SISO	Ant1	5745	3.73	≤30.00	PASS
		5785	3.74	≤30.00	PASS
		5825	4.13	≤30.00	PASS
11AC40SISO	Ant1	5755	-1.04	≤30.00	PASS
		5795	-0.63	≤30.00	PASS
11AC80SISO	Ant1	5775	-4.77	≤30.00	PASS
11AX20SISO	Ant1	5745	6.55	≤30.00	PASS
		5785	6.16	≤30.00	PASS
		5825	6.92	≤30.00	PASS
11AX40SISO	Ant1	5755	-6.97	≤30.00	PASS
		5795	4.8	≤30.00	PASS
11AX80SISO	Ant1	5775	-0.61	≤30.00	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_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



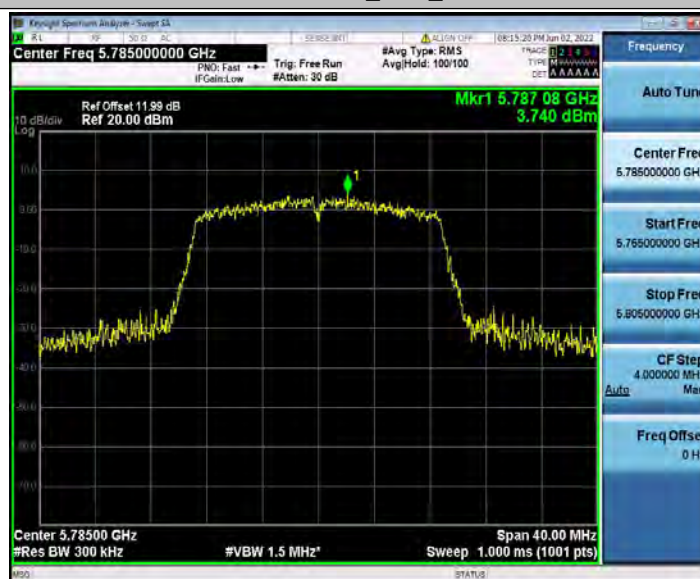
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



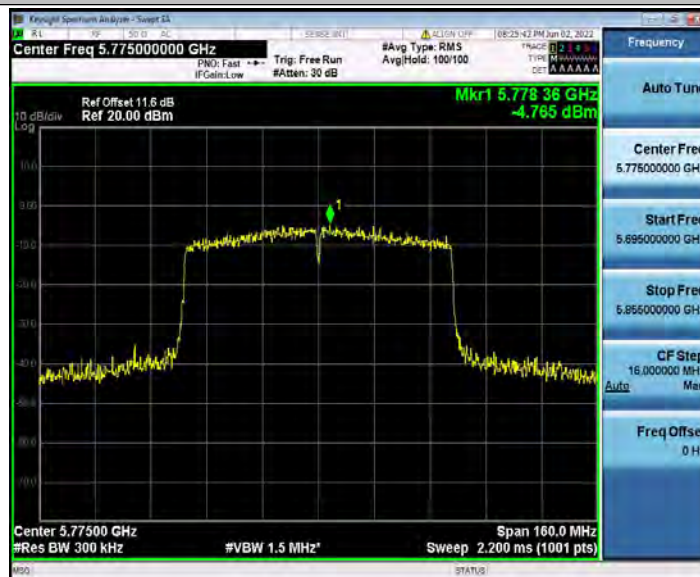
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80ISO_Ant1_5775



11AX20ISO_Ant1_5745



11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



11AX80SISO_Ant1_5775



Appendix D.5: Band edge measurements

Test Result B4

TestMode	Antenna	ChName	Frequency[MHz]	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-38.85	≤-25.76	PASS
				5700~5720	-29.15	≤15.18	PASS
				5720~5725	-24.99	≤25.26	PASS
				5760~5650	-39.73	≤-27	PASS
		High	5825	5850~5855	-31.41	≤15.79	PASS
				5855~5875	-35.01	≤10.74	PASS
				5875~5925	-37.73	≤-24.46	PASS
				5925~5935	-38.76	≤-27	PASS
11N20SI SO	Ant1	Low	5745	5650~5700	-38.47	≤9.38	PASS
				5700~5720	-26.63	≤15.08	PASS
				5720~5725	-22.12	≤26.57	PASS
				5760~5650	-39.59	≤-27	PASS
		High	5825	5850~5855	-29.12	≤16.72	PASS
				5855~5875	-32.58	≤10.21	PASS
				5875~5925	-36.56	≤-25.16	PASS
				5925~5935	-38.07	≤-27	PASS
11N40SI SO	Ant1	Low	5755	5650~5700	-37.95	≤5.36	PASS
				5700~5720	-30.87	≤14.18	PASS
				5720~5725	-29.08	≤20.97	PASS
				5780~5650	-39.95	≤-27	PASS
		High	5795	5850~5855	-37.93	≤17.16	PASS
				5855~5875	-37.69	≤13.37	PASS
				5875~5925	-37.91	≤-16.30	PASS
				5925~5935	-38.44	≤-27	PASS
11AC20S ISO	Ant1	Low	5745	5650~5700	-38.39	≤5.64	PASS
				5700~5720	-31.79	≤14.98	PASS
				5720~5725	-25.91	≤26.04	PASS
				5760~5650	-40.39	≤-27	PASS
		High	5825	5850~5855	-32.05	≤20.41	PASS
				5855~5875	-35.13	≤10.17	PASS
				5875~5925	-38.25	≤-1.98	PASS
				5925~5935	-38.52	≤-27	PASS
11AC40S ISO	Ant1	Low	5755	5650~5700	-38.26	≤7.26	PASS
				5700~5720	-30.49	≤14.90	PASS
				5720~5725	-31.88	≤24.97	PASS
				5780~5650	-40.32	≤-27	PASS
		High	5795	5850~5855	-37.12	≤25.44	PASS

				5855~5875	-38.31	≤ 15.44	PASS
				5875~5925	-38.33	≤ -25.21	PASS
				5925~5935	-39.26	≤ -27	PASS
11AC80S ISO	Ant1	Low	5775	5650~5700	-33.46	≤ 6.00	PASS
				5700~5720	-30.74	≤ 10.66	PASS
				5720~5725	-29.44	≤ 20.95	PASS
				5800~5650	-39.51	≤ -27	PASS
		High	5775	5850~5855	-34.67	≤ 16.22	PASS
				5855~5875	-34.94	≤ 10.23	PASS
				5875~5925	-37.87	≤ -25.59	PASS
				5925~5935	-38.52	≤ -27	PASS
11AX20SI SO	Ant1	Low	5745	5650~5700	-39.6	≤ 0.45	PASS
				5700~5720	-29.17	≤ 15.50	PASS
				5720~5725	-22.08	≤ 23.68	PASS
				5760~5650	-40.14	≤ -27	PASS
		High	5825	5850~5855	-36.56	≤ 16.41	PASS
				5855~5875	-36.92	≤ 11.27	PASS
				5875~5925	-38.48	≤ -20.36	PASS
				5925~5935	-38.3	≤ -27	PASS
11AX40SI SO	Ant1	Low	5755	5650~5700	-31.36	≤ 7.56	PASS
				5700~5720	-16.08	≤ 15.35	PASS
				5720~5725	-14.18	≤ 25.89	PASS
				5780~5650	-39.91	≤ -27	PASS
		High	5795	5850~5855	-36.93	≤ 26.94	PASS
				5855~5875	-37.43	≤ 10.69	PASS
				5875~5925	-38.57	≤ -4.21	PASS
				5925~5935	-38.6	≤ -27	PASS
11AX80SI SO	Ant1	Low	5775	5650~5700	-27.86	≤ 5.66	PASS
				5700~5720	-25.94	≤ 15.17	PASS
				5720~5725	-25.37	≤ 20.95	PASS
				5800~5650	-40.03	≤ -27	PASS
		High	5775	5850~5855	-31.03	≤ 20.01	PASS
				5855~5875	-31.53	≤ 10.49	PASS
				5875~5925	-33.12	≤ -24.22	PASS
				5925~5935	-38.21	≤ -27	PASS

Test Graphs B4

11A_Ant1_Low_5745



11A_Ant1_High_5825



11N20SISO_Ant1_Low_5745



11N20SISO_Ant1_High_5825



11N40SISO_Ant1_Low_5755



11N40SISO_Ant1_High_5795



11AC20SISO_Ant1_Low_5745



11AC20SISO_Ant1_High_5825



11AC40SISO_Ant1_Low_5755



11AC40SISO_Ant1_High_5795



11AC80SISO_Ant1_Low_5775



11AC80SISO_Ant1_High_5775



11AX20SISO_Ant1_Low_5745



11AX20SISO_Ant1_High_5825



11AX40SISO_Ant1_Low_5755



11AX40SISO_Ant1_High_5795



11AX80SISO_Ant1_Low_5775



11AX80SISO_Ant1_High_5775



Appendix D.6: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	30~5650	5302.12	-40.39	≤-27	PASS
			5925~40000	24889.69	-32.48	≤-27	PASS
		5785	30~5650	5454.42	-41.01	≤-27	PASS
			5925~40000	23544.4	-31.91	≤-27	PASS
		5825	30~5650	4933.45	-39.9	≤-27	PASS
			5925~40000	24279.22	-32.33	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	5437.56	-40.69	≤-27	PASS
			5925~40000	24251.82	-33.01	≤-27	PASS
		5785	30~5650	3036.51	-40.68	≤-27	PASS
			5925~40000	23575.31	-32.2	≤-27	PASS
		5825	30~5650	4914.9	-39.67	≤-27	PASS
			5925~40000	26577.8	-32.31	≤-27	PASS
11N40SISO	Ant1	5755	30~5650	833.85	-39.9	≤-27	PASS
			5925~40000	24326.29	-32.09	≤-27	PASS
		5795	30~5650	5432.69	-40.82	≤-27	PASS
			5925~40000	24239.18	-31.36	≤-27	PASS
11AC20SISO	Ant1	5745	30~5650	5495.82	-40.69	≤-27	PASS
			5925~40000	24269.38	-32.76	≤-27	PASS
		5785	30~5650	4978.97	-39.69	≤-27	PASS
			5925~40000	24886.88	-32.9	≤-27	PASS
		5825	30~5650	60.35	-35.3	≤-27	PASS
			5925~40000	23559.86	-31.77	≤-27	PASS
11AC40SISO	Ant1	5755	30~5650	5501.82	-40.12	≤-27	PASS
			5925~40000	24938.16	-32.93	≤-27	PASS
		5795	30~5650	5445.62	-40.55	≤-27	PASS
			5925~40000	24787.13	-32.63	≤-27	PASS
11AC80SISO	Ant1	5775	30~5650	2668.78	-41.41	≤-27	PASS
			5925~40000	24888.29	-32.35	≤-27	PASS

11AX20SISO	Ant1	5745	30~5650	5476.72	-40.86	≤-27	PASS
			5925~40000	26079.73	-32.81	≤-27	PASS
		5785	30~5650	5050.72	-41.08	≤-27	PASS
			5925~40000	24235.66	-31.87	≤-27	PASS
		5825	30~5650	5034.42	-39.5	≤-27	PASS
			5925~40000	24774.48	-32.75	≤-27	PASS
11AX40SISO	Ant1	5755	30~5650	2805.16	-41.43	≤-27	PASS
			5925~40000	25184.74	-32.29	≤-27	PASS
		5795	30~5650	3255.88	-40.84	≤-27	PASS
			5925~40000	24936.06	-33.12	≤-27	PASS
11AX80SISO	Ant1	5775	30~5650	4936.07	-41.19	≤-27	PASS
			5925~40000	25519.83	-32.3	≤-27	PASS

Test Graphs

11A_Ant1_5745_30~5650



11A_Ant1_5745_5925~40000



11A_Ant1_5785_30~5650



11A_Ant1_5785_5925~40000



11A_Ant1_5825_30~5650



11A_Ant1_5825_5925~40000



11N20SISO_Ant1_5745_30~5650



11N20SISO_Ant1_5745_5925~40000



11N20SISO_Ant1_5785_30~5650



11N20SISO_Ant1_5785_5925~40000



11N20SISO_Ant1_5825_30~5650



11N20SISO_Ant1_5825_5925~40000



11N40SISO_Ant1_5755_30~5650



11N40SISO_Ant1_5755_5925~40000



11N40SISO_Ant1_5795_30~5650



11N40SISO_Ant1_5795_5925~40000



11AC20SISO_Ant1_5745_30~5650



11AC20SISO_Ant1_5745_5925~40000



11AC20SISO_Ant1_5785_30~5650



11AC20SISO_Ant1_5785_5925~40000



11AC20SISO_Ant1_5825_30~5650



11AC20SISO_Ant1_5825_5925~40000



11AC40SISO_Ant1_5755_30~5650



11AC40SISO_Ant1_5755_5925~40000



11AC40SISO_Ant1_5795_30~5650



11AC40SISO_Ant1_5795_5925~40000



11AC80SISO_Ant1_5775_30~5650



11AC80SISO_Ant1_5775_5925~40000



11AX20SISO_Ant1_5745_30~5650



11AX20SISO_Ant1_5745_5925~40000



11AX20SISO_Ant1_5785_30~5650



11AX20SISO_Ant1_5785_5925~40000



11AX20SISO_Ant1_5825_30~5650



11AX20SISO_Ant1_5825_5925~40000



11AX40SISO_Ant1_5755_30~5650



11AX40SISO_Ant1_5755_5925~40000



11AX40SISO_Ant1_5795_30~5650



11AX40SISO_Ant1_5795_5925~40000



11AX80SISO_Ant1_5775_30~5650



11AX80SISO_Ant1_5775_5925~40000

