

Case No. : <u>GTS20221124022-1-4</u>	
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2022.12.08</u>	Test Engineer: <u>Jenny zeng</u>

Appendix E.1: Occupied channel bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.319	5736.301	5753.620	---	---
		5785	17.344	5776.384	5793.728	---	---
		5825	17.335	5816.373	5833.708	---	---
11N20SISO	Ant1	5745	18.336	5735.853	5754.189	---	---
		5785	18.285	5775.900	5794.185	---	---
		5825	18.301	5815.920	5834.221	---	---
11N40SISO	Ant1	5755	36.871	5736.624	5773.495	---	---
		5795	36.750	5776.691	5813.441	---	---
11AC20SISO	Ant1	5745	18.376	5735.819	5754.195	---	---
		5785	18.369	5775.838	5794.207	---	---
		5825	18.329	5815.893	5834.222	---	---
11AC40SISO	Ant1	5755	36.853	5736.629	5773.482	---	---
		5795	36.717	5776.680	5813.397	---	---
11AC80SISO	Ant1	5775	75.013	5737.611	5812.624	---	---
11AX20SISO	Ant1	5745	19.231	5735.424	5754.655	---	---
		5785	19.243	5775.414	5794.657	---	---
		5825	19.191	5815.446	5834.637	---	---
11AX40SISO	Ant1	5755	38.172	5735.999	5774.171	---	---
		5795	38.072	5775.986	5814.058	---	---
11AX80SISO	Ant1	5775	76.616	5736.770	5813.386	---	---

Test Graphs

11A_Ant1_5745



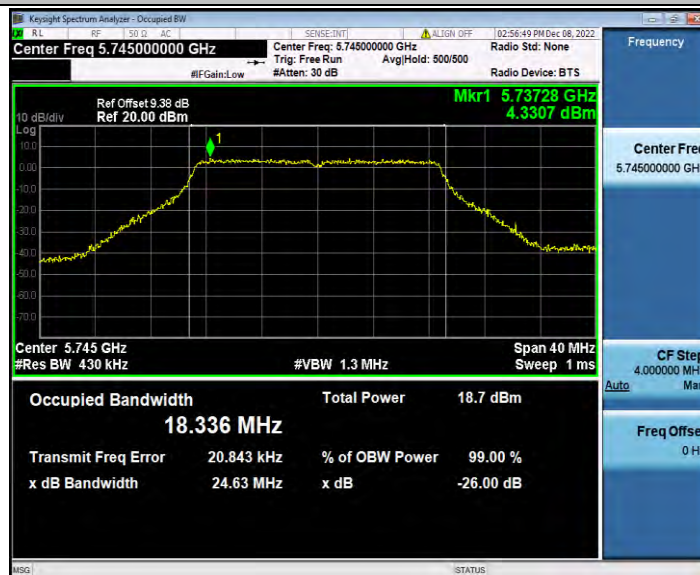
11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5745



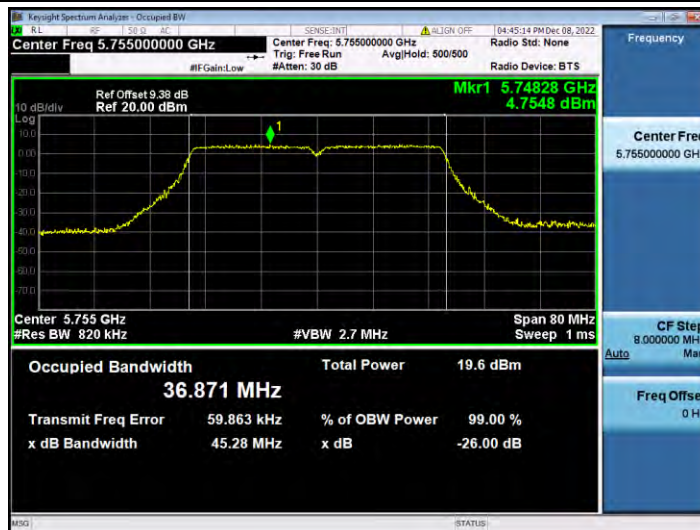
11N20SISO_Ant1_5785



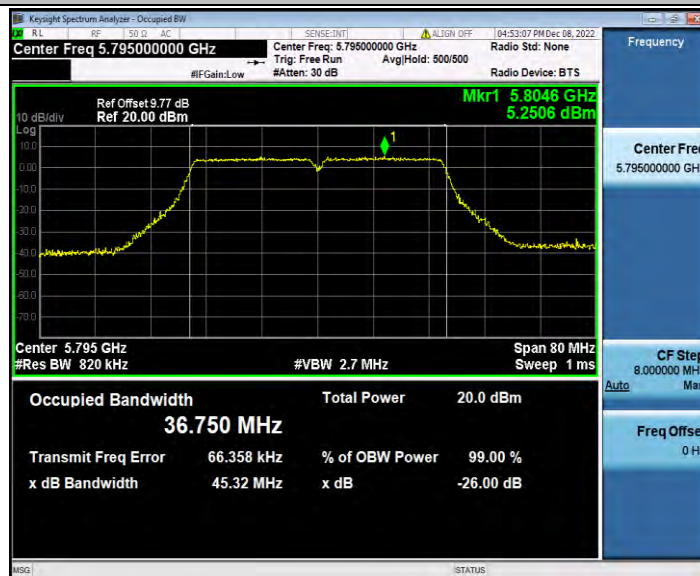
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



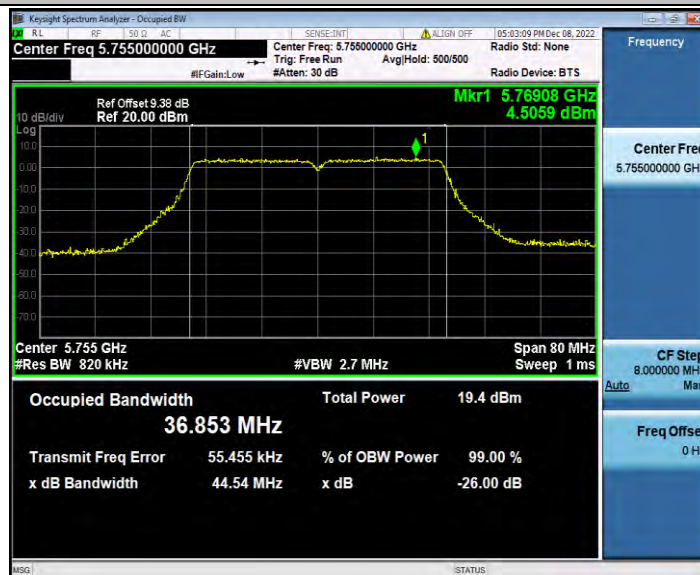
11AC20SISO_Ant1_5785



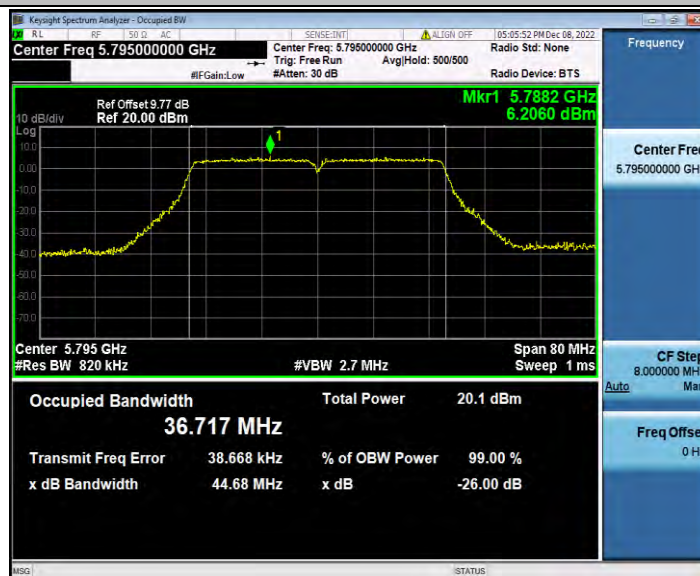
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



11AX20SISO_Ant1_5745



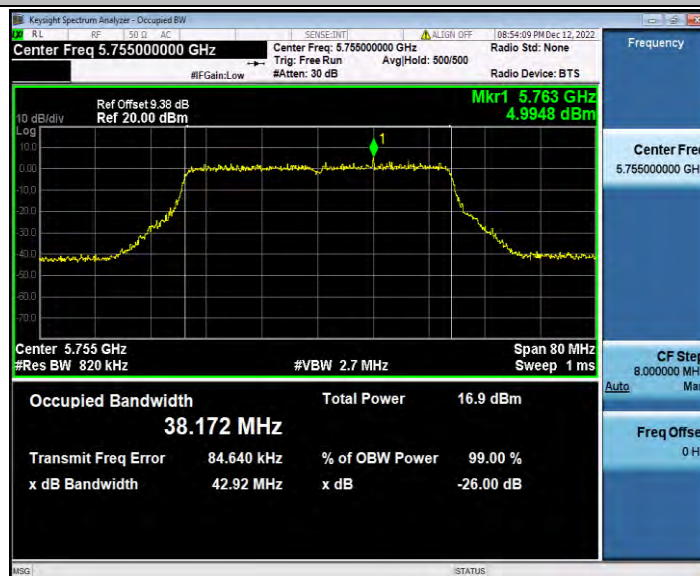
11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



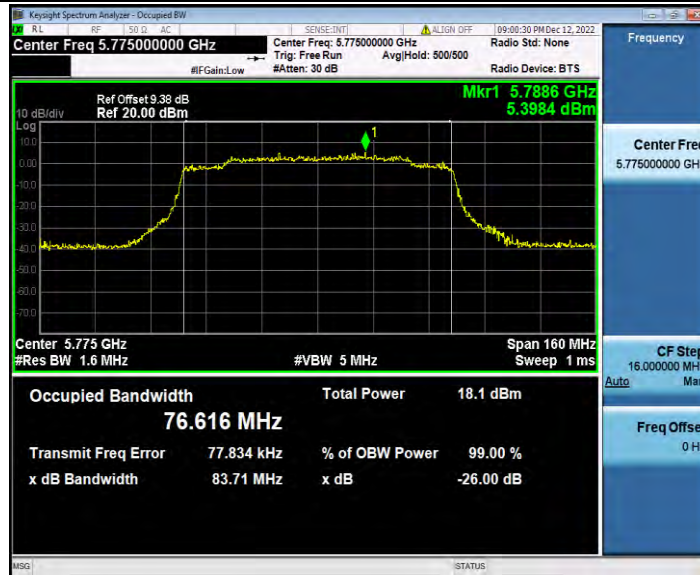
11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



11AX80SISO_Ant1_5775



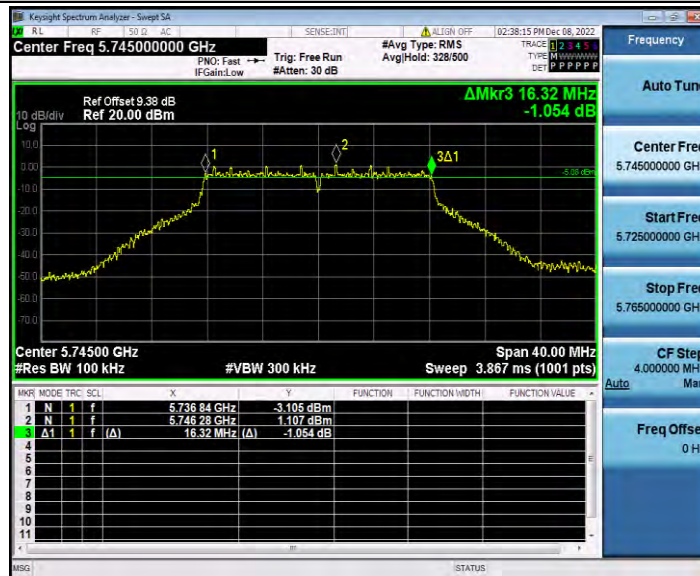
Appendix E.2: Min emission bandwidth

Test Result B4

TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.320	5736.840	5753.160	0.5	PASS
		5785	16.360	5776.800	5793.160	0.5	PASS
		5825	16.360	5816.840	5833.200	0.5	PASS
11N20SISO	Ant1	5745	17.600	5736.200	5753.800	0.5	PASS
		5785	17.600	5776.200	5793.800	0.5	PASS
		5825	17.560	5816.240	5833.800	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	17.560	5736.240	5753.800	0.5	PASS
		5785	17.600	5776.200	5793.800	0.5	PASS
		5825	17.720	5816.160	5833.880	0.5	PASS
11AC40SISO	Ant1	5755	36.320	5736.840	5773.160	0.5	PASS
		5795	36.320	5776.840	5813.160	0.5	PASS
11AC80SISO	Ant1	5775	71.360	5738.680	5810.040	0.5	PASS
11AX20SISO	Ant1	5745	18.760	5735.560	5754.320	0.5	PASS
		5785	18.480	5775.600	5794.080	0.5	PASS
		5825	18.880	5815.640	5834.520	0.5	PASS
11AX40SISO	Ant1	5755	37.600	5736.280	5773.880	0.5	PASS
		5795	37.600	5776.280	5813.880	0.5	PASS
11AX80SISO	Ant1	5775	75.040	5737.560	5812.600	0.5	PASS

Test Graphs B4

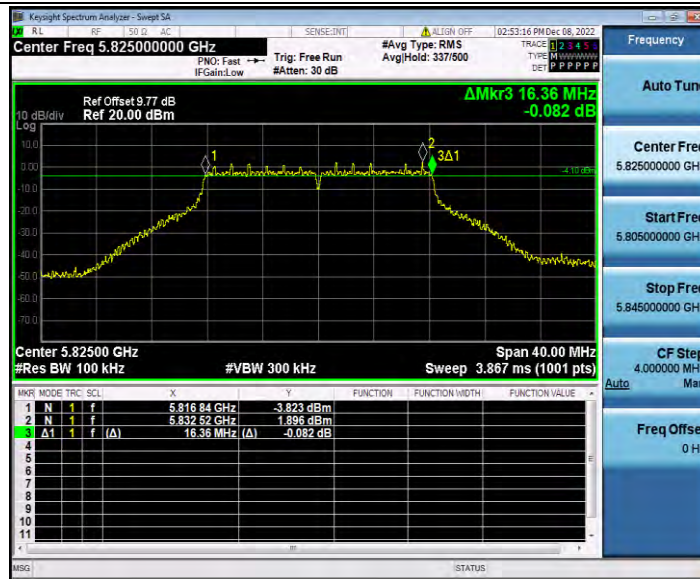
11A_Ant1_5745



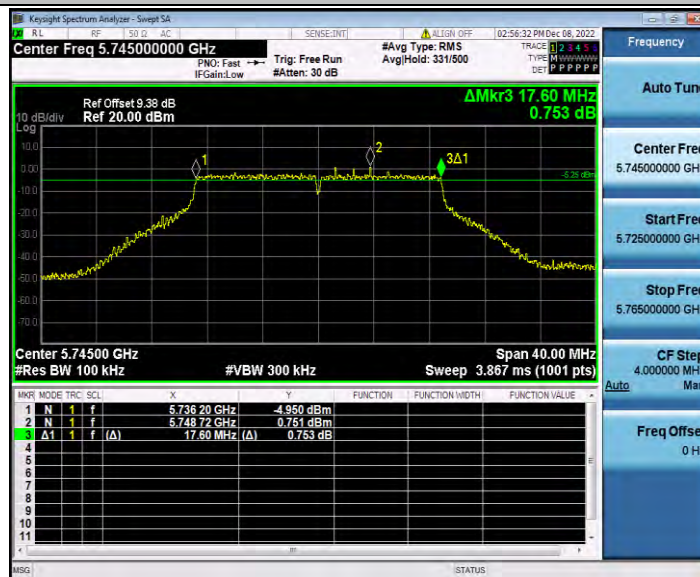
11A_Ant1_5785



11A_Ant1_5825



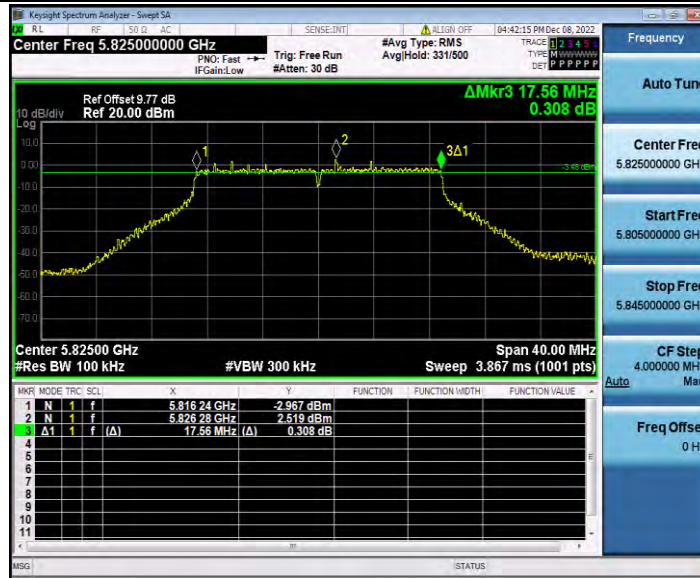
11N20SISO_Ant1_5745



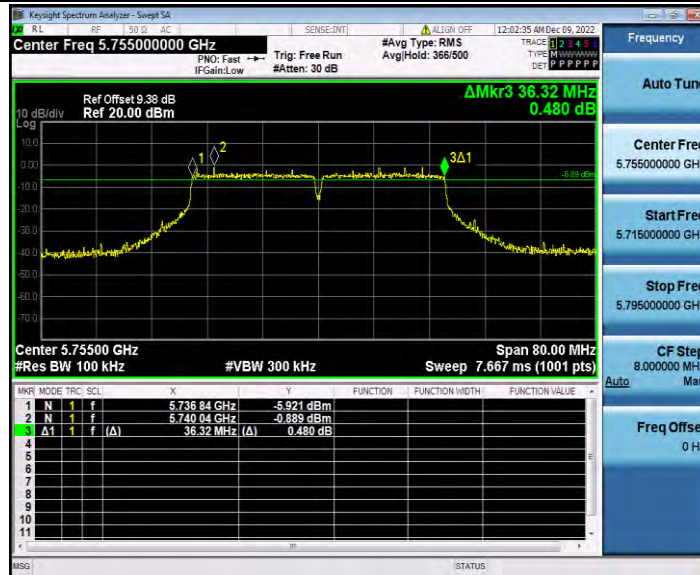
11N20SISO_Ant1_5785



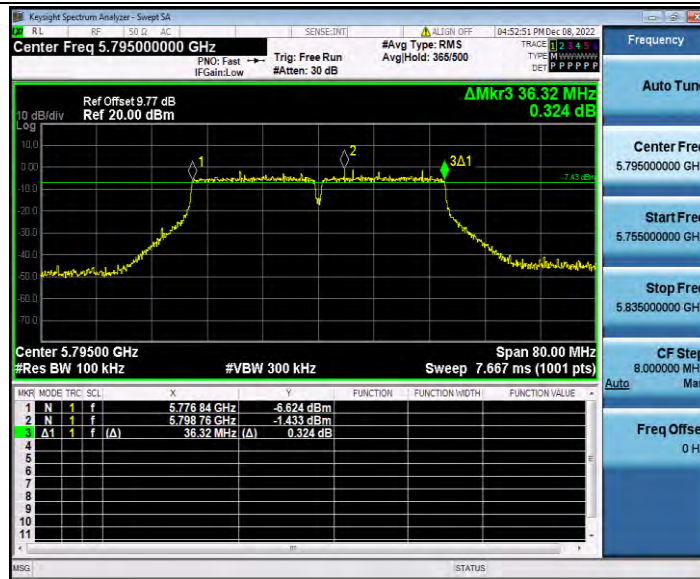
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



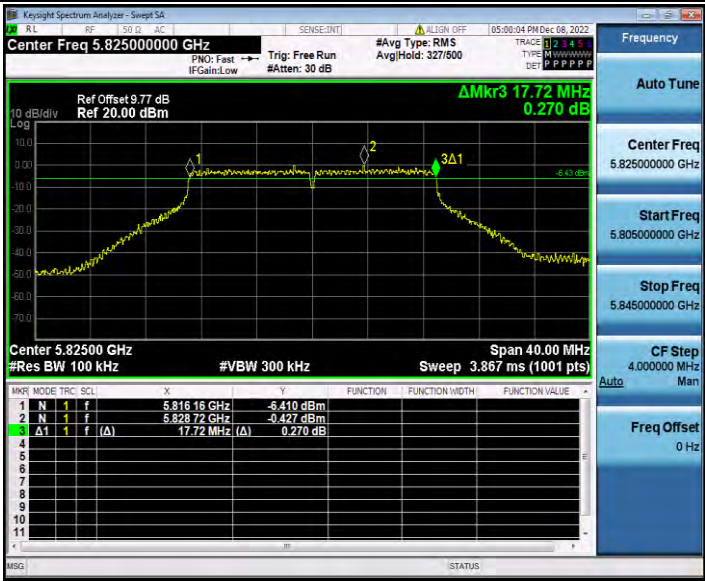
11AC20SISO_Ant1_5745



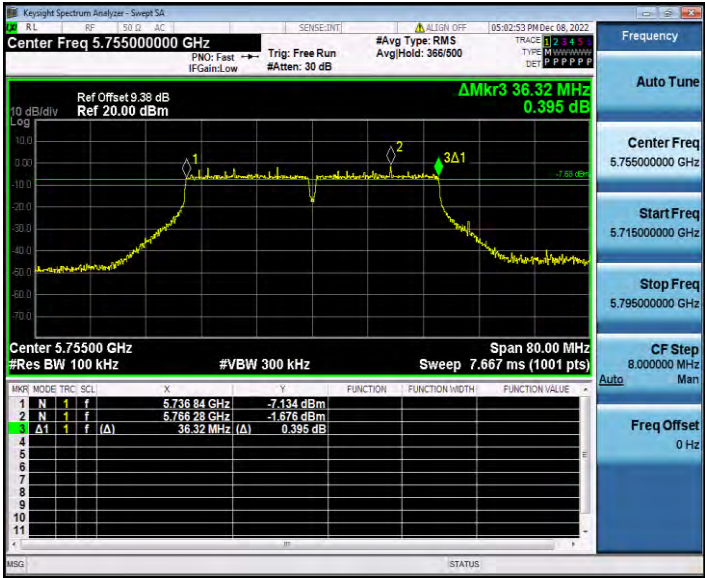
11AC20SISO_Ant1_5785



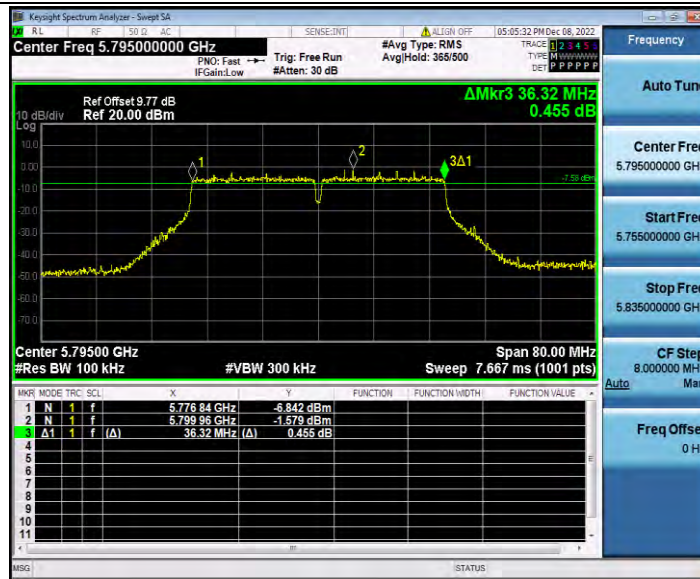
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



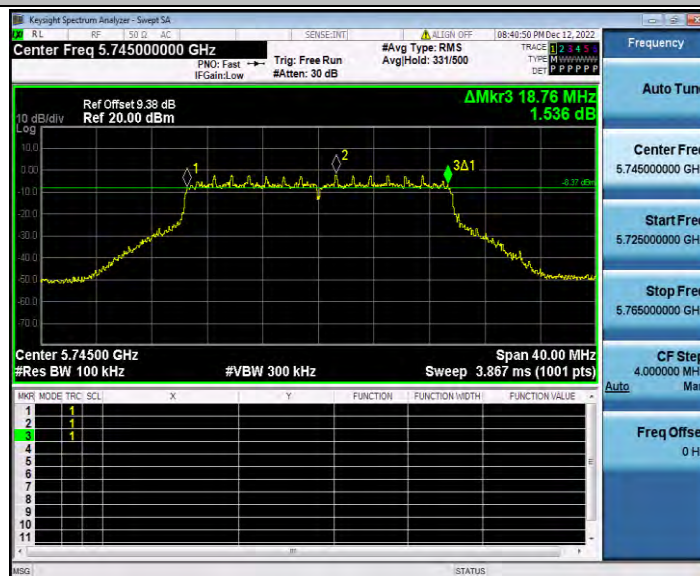
11AC40SISO_Ant1_5795



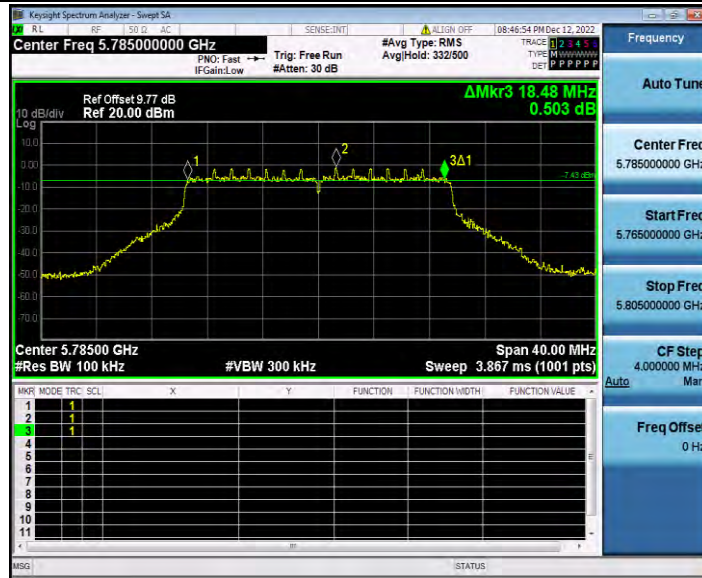
11AC80SISO_Ant1_5775



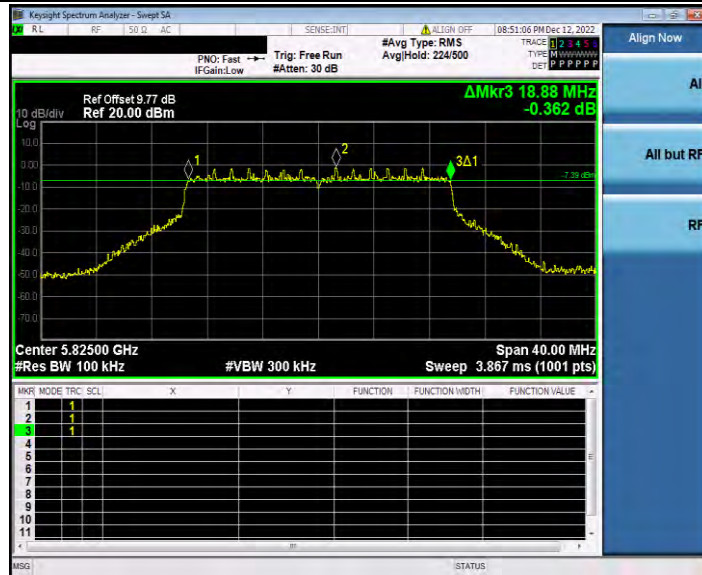
11AX20SISO_Ant1_5745



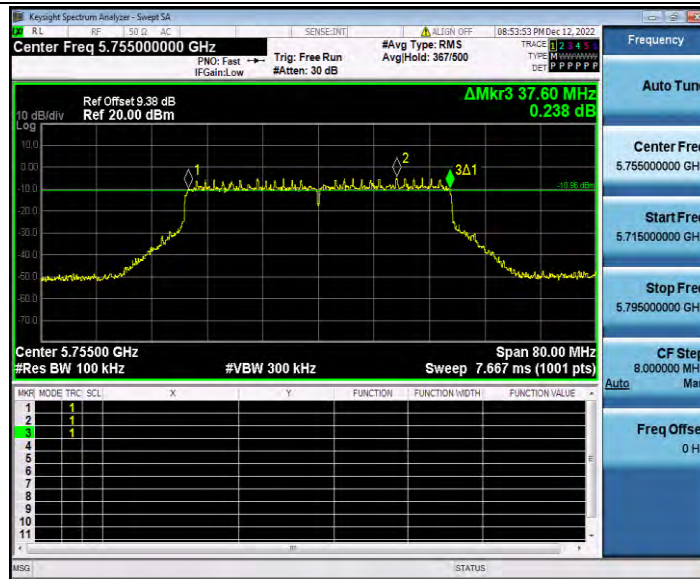
11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



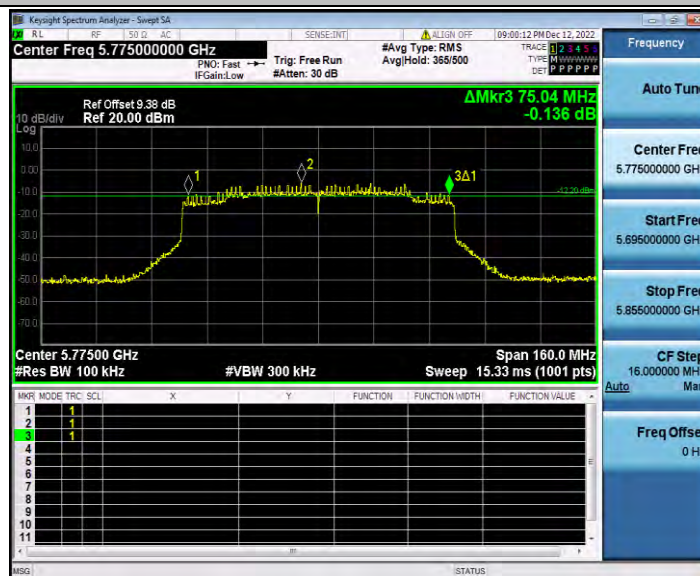
11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



11AX80SISO_Ant1_5775



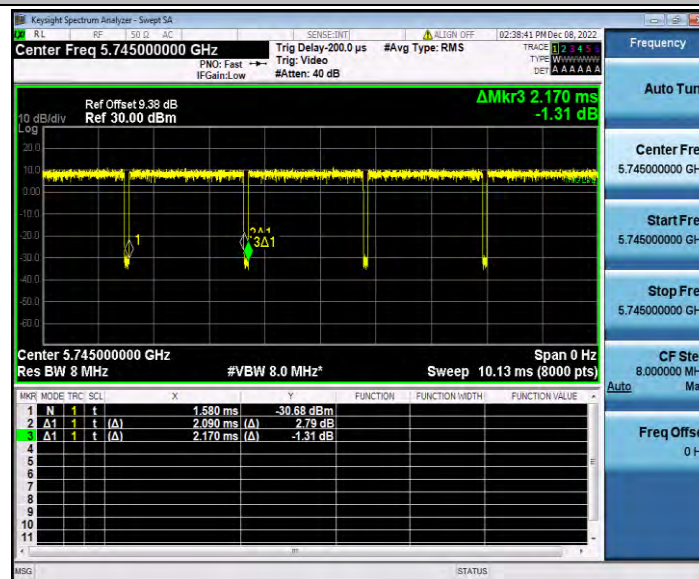
Appendix E.3: Duty Cycle

Test Result

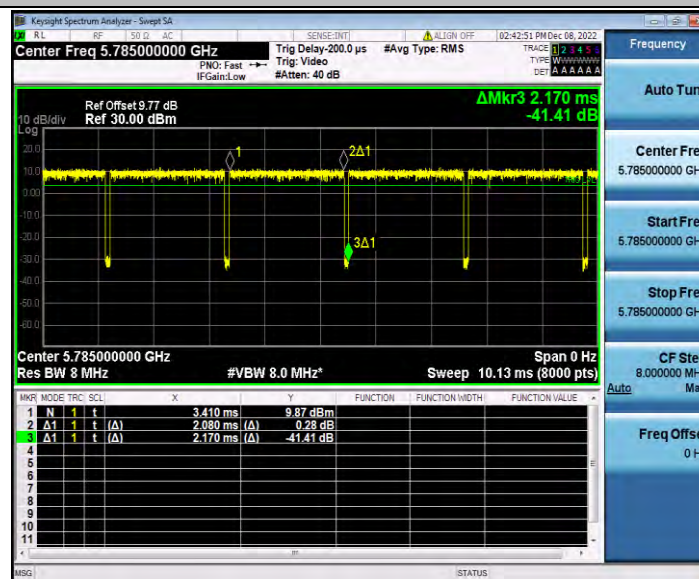
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5745	2.09	2.17	96.31
		5785	2.08	2.17	95.85
		5825	2.09	2.18	95.87
11N20SISO	Ant1	5745	7.93	8.02	98.88
		5785	7.93	8.02	98.88
		5825	7.93	8.01	99.00
11N40SISO	Ant1	5755	7.93	8.02	98.88
		5795	7.93	8.02	98.88
11AC20SISO	Ant1	5745	7.93	8.01	99.00
		5785	7.92	8.01	98.88
		5825	7.92	8.01	98.88
11AC40SISO	Ant1	5755	7.91	7.99	99.00
		5795	7.92	8.00	99.00
11AC80SISO	Ant1	5775	7.93	8.02	98.88
11AX20SISO	Ant1	5745	0.29	0.33	87.88
		5785	0.30	0.33	90.91
		5825	0.30	0.33	90.91
11AX40SISO	Ant1	5755	0.30	0.34	88.24
		5795	0.30	0.33	90.91
11AX80SISO	Ant1	5775	0.30	0.34	88.24

Test Graphs

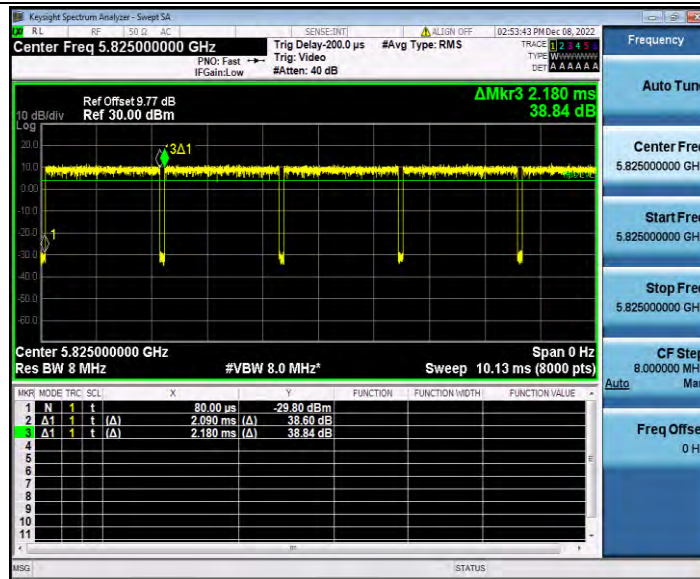
11A_Ant1_5745



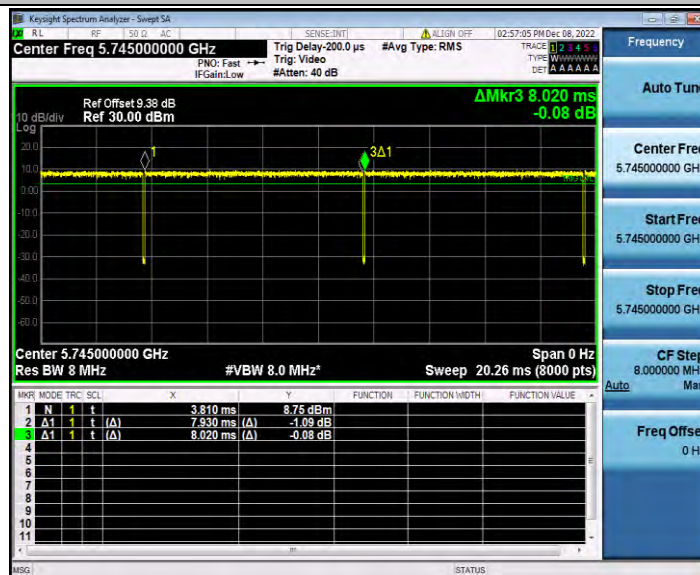
11A_Ant1_5785



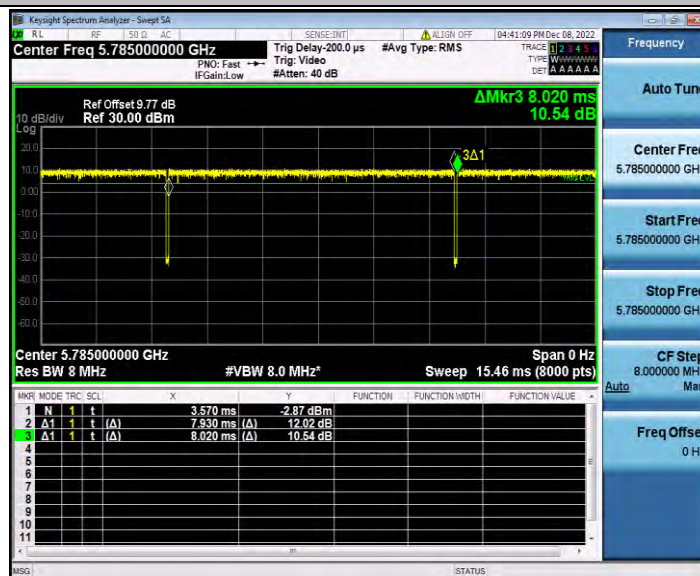
11A_Ant1_5825



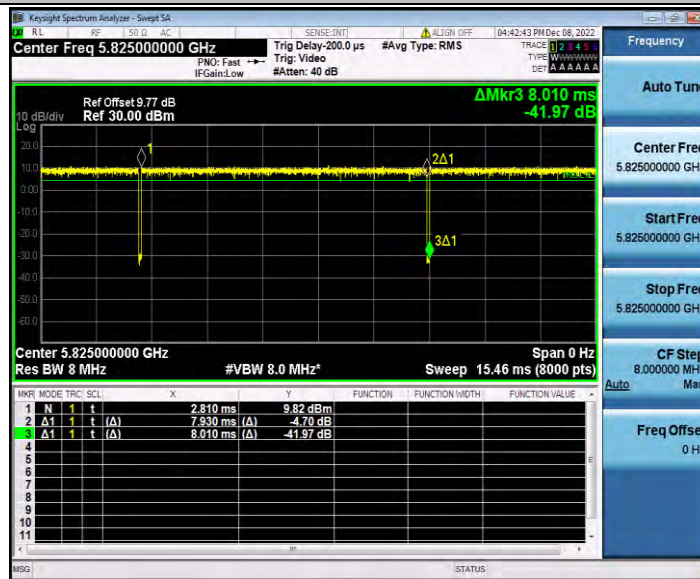
11N20SISO_Ant1_5745



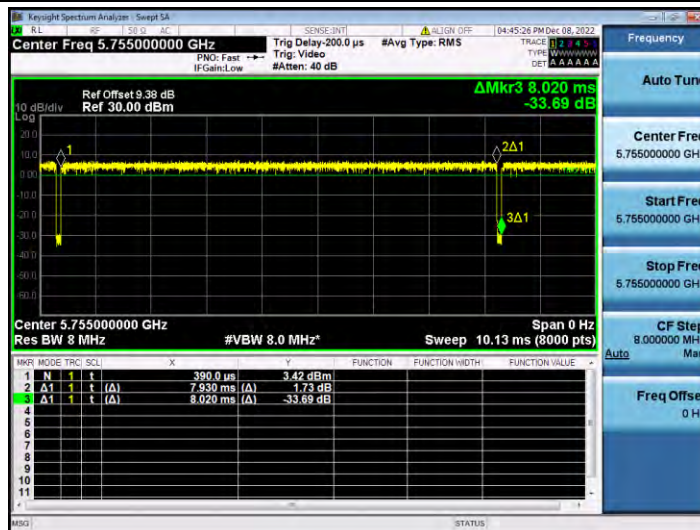
11N20SISO_Ant1_5785



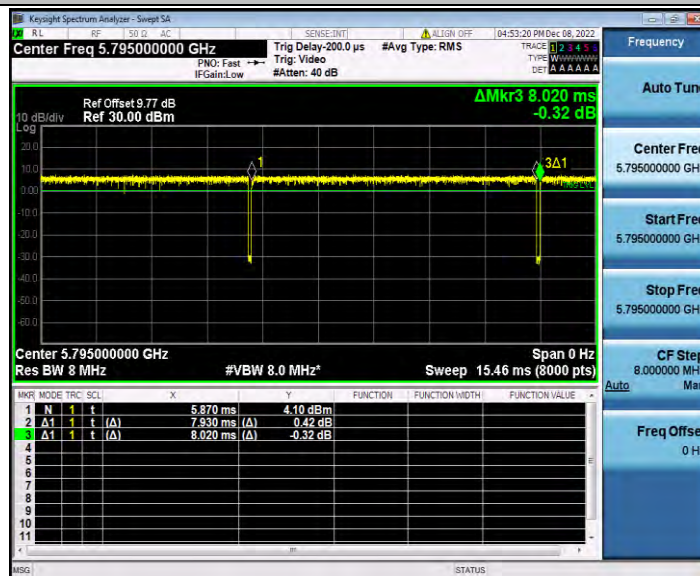
11N20SISO_Ant1_5825



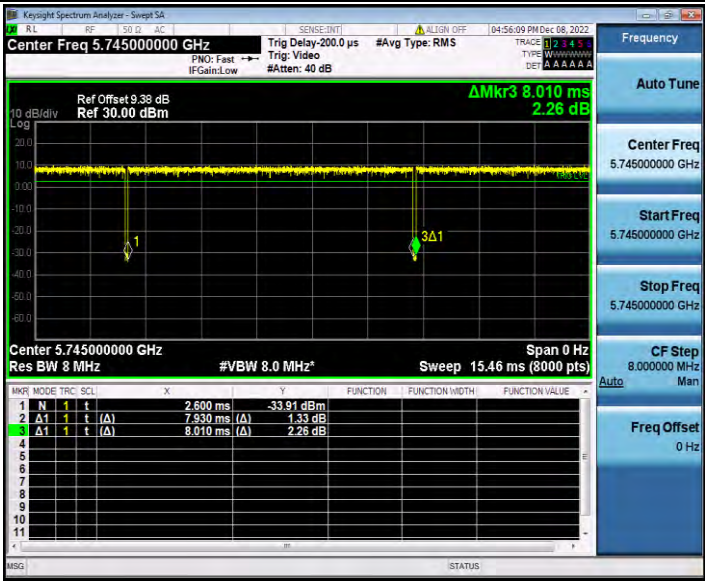
11N40SISO_Ant1_5755



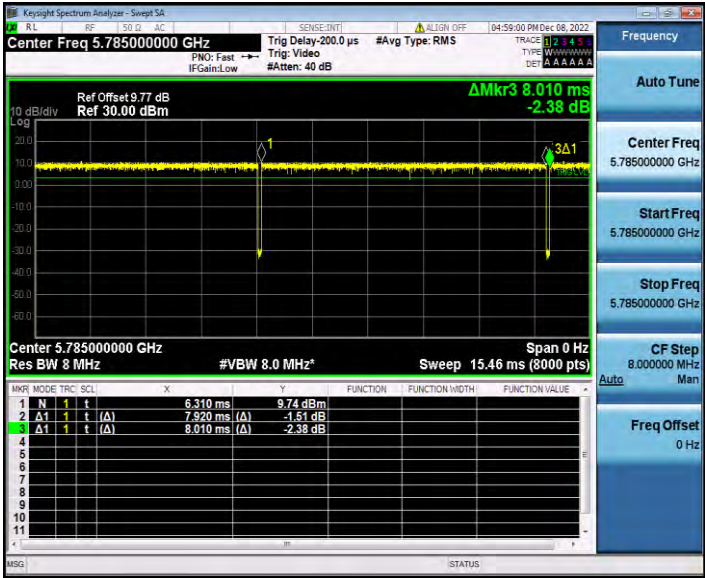
11N40SISO_Ant1_5795



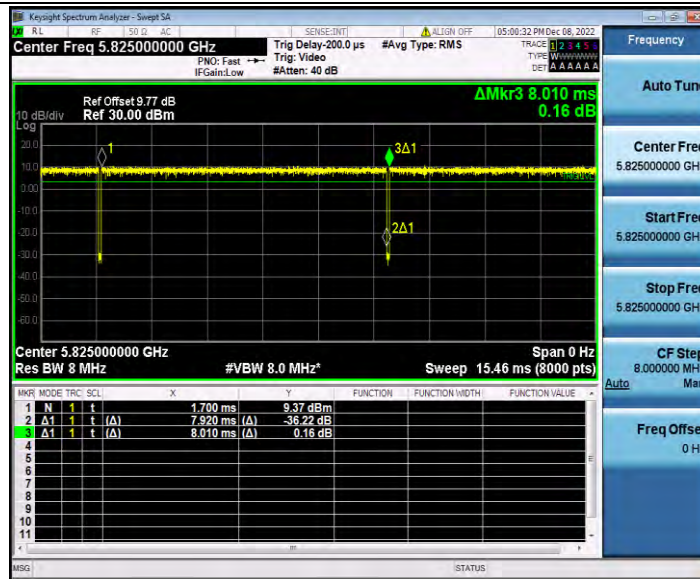
11AC20SISO_Ant1_5745



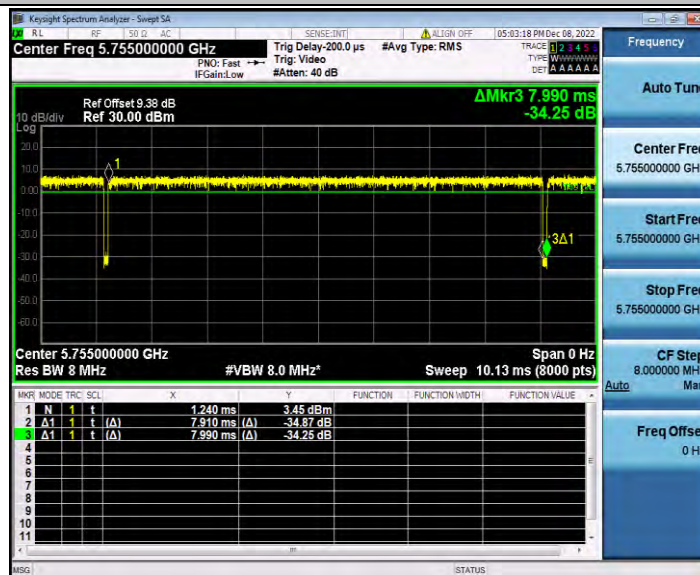
11AC20SISO_Ant1_5785



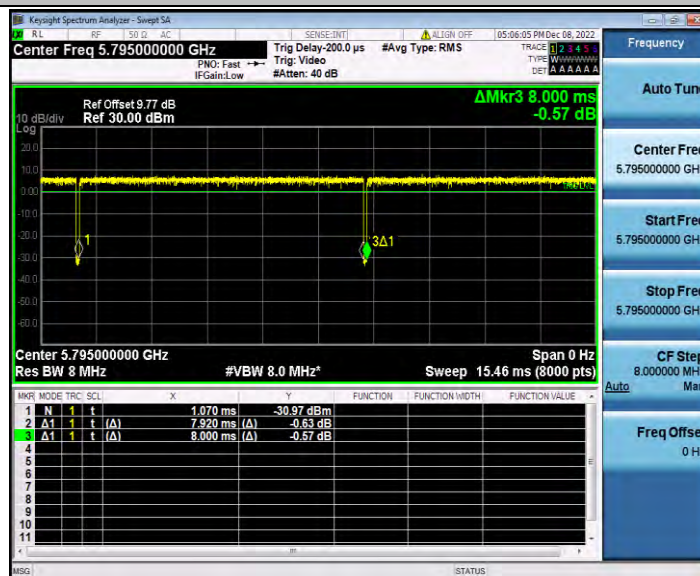
11AC20SISO_Ant1_5825



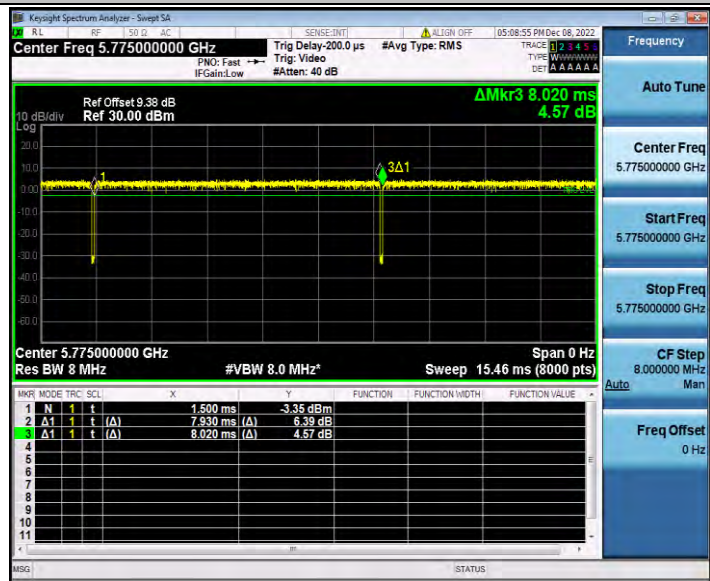
11AC40SISO_Ant1_5755



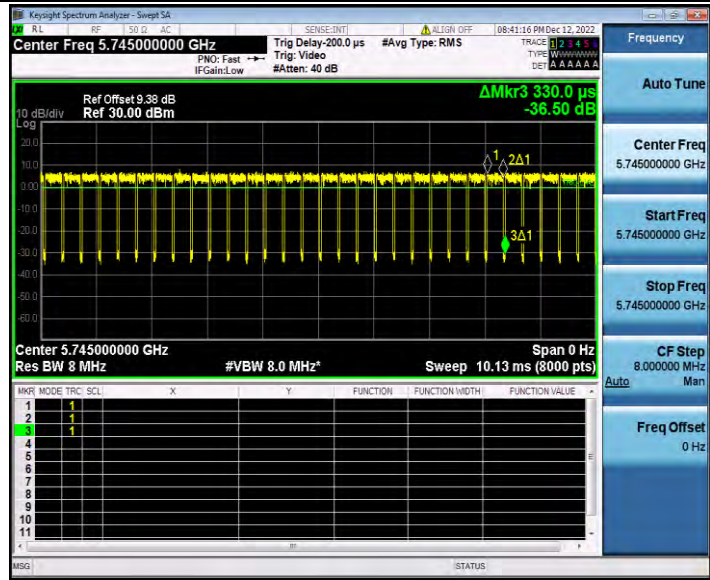
11AC40SISO_Ant1_5795



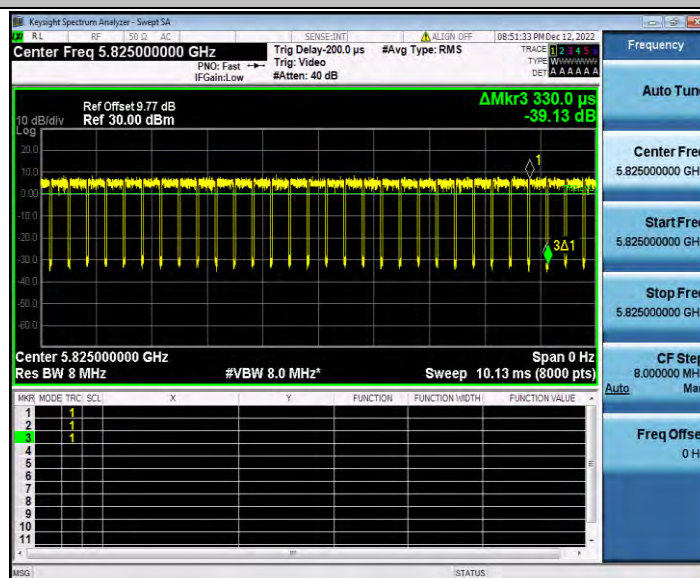
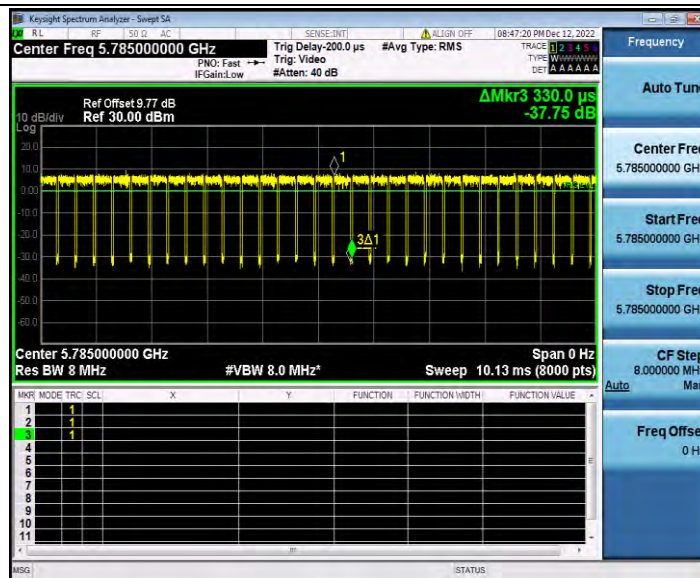
11AC80SISO_Ant1_5775



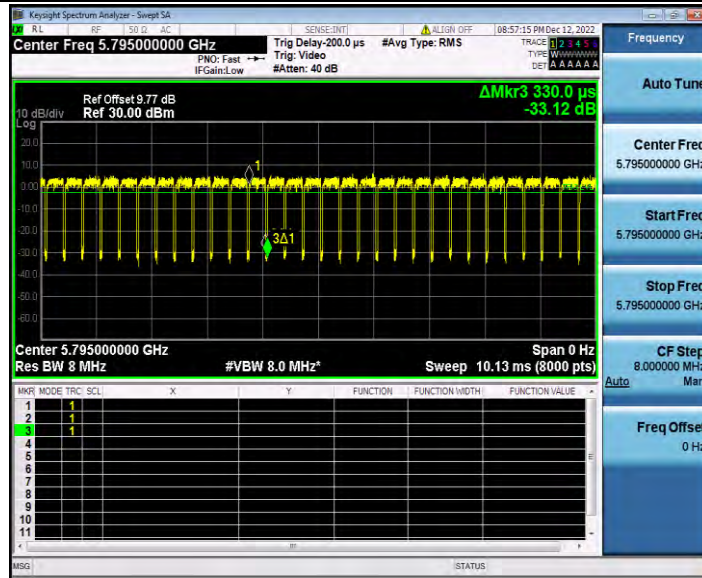
11AX20SISO_Ant1_5745



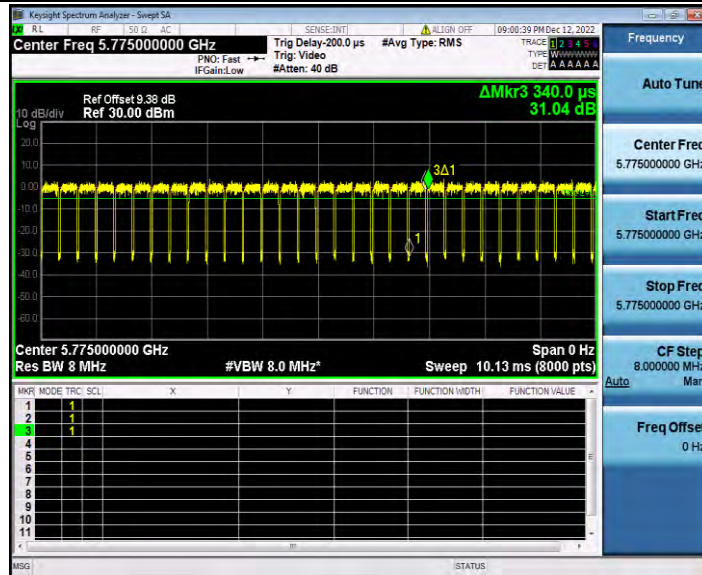
11AX20SISO_Ant1_5785



11AX40SISO_Ant1_5795



11AX80SISO_Ant1_5775



Appendix E.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency[MHz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	11.40	96.31	0.16	11.56	≤30.00	PASS
		5785	12.03	95.85	0.18	12.21	≤30.00	PASS
		5825	11.89	95.87	0.18	12.07	≤30.00	PASS
11N20SISO	Ant1	5745	11.84	98.88	0.05	11.89	≤30.00	PASS
		5785	12.68	98.88	0.05	12.73	≤30.00	PASS
		5825	13.32	99.00	0.04	13.36	≤30.00	PASS
11N40SISO	Ant1	5755	11.98	98.88	0.05	12.03	≤30.00	PASS
		5795	12.37	98.88	0.05	12.42	≤30.00	PASS
11AC20SISO	Ant1	5745	11.65	99.00	0.04	11.69	≤30.00	PASS
		5785	12.26	98.88	0.05	12.31	≤30.00	PASS
		5825	12.25	98.88	0.05	12.30	≤30.00	PASS
11AC40SISO	Ant1	5755	11.70	99.00	0.04	11.74	≤30.00	PASS
		5795	12.38	99.00	0.04	12.42	≤30.00	PASS
11AC80SISO	Ant1	5775	12.52	98.88	0.05	12.57	≤30.00	PASS
11AX20SISO	Ant1	5745	7.94	87.88	0.56	8.50	≤30.00	PASS
		5785	8.73	90.91	0.41	9.14	≤30.00	PASS
		5825	8.91	90.91	0.41	9.32	≤30.00	PASS
11AX40SISO	Ant1	5755	7.95	88.24	0.54	8.49	≤30.00	PASS
		5795	8.80	90.91	0.41	9.21	≤30.00	PASS
11AX80SISO	Ant1	5775	8.55	88.24	0.54	9.09	≤30.00	PASS

Note: The Duty Cycle Factor is compensated in the graph.

Appendix E.5: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	4.08	≤30.00	PASS
		5785	4.68	≤30.00	PASS
		5825	5	≤30.00	PASS
11N20SISO	Ant1	5745	4.23	≤30.00	PASS
		5785	5.02	≤30.00	PASS
		5825	5.5	≤30.00	PASS
11N40SISO	Ant1	5755	1.52	≤30.00	PASS
		5795	1.97	≤30.00	PASS
11AC20SISO	Ant1	5745	4.59	≤30.00	PASS
		5785	4.72	≤30.00	PASS
		5825	5.18	≤30.00	PASS
11AC40SISO	Ant1	5755	1.16	≤30.00	PASS
		5795	1.6	≤30.00	PASS
11AC80SISO	Ant1	5775	-0.51	≤30.00	PASS
11AX20SISO	Ant1	5745	2.29	≤30.00	PASS
		5785	3.38	≤30.00	PASS
		5825	3.18	≤30.00	PASS
11AX40SISO	Ant1	5755	0.44	≤30.00	PASS
		5795	0.28	≤30.00	PASS
11AX80SISO	Ant1	5775	-2.89	≤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



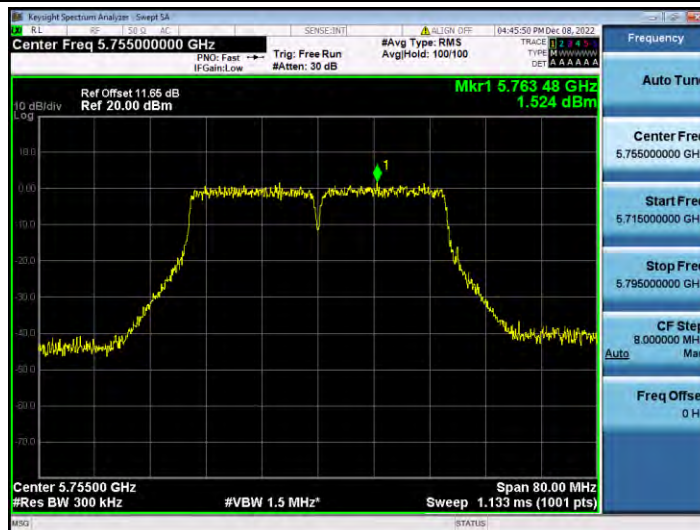
11N20SISO_Ant1_5785



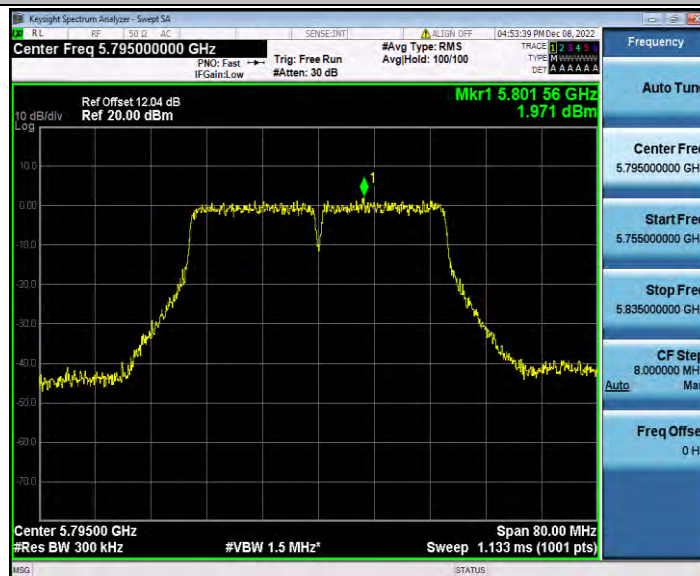
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



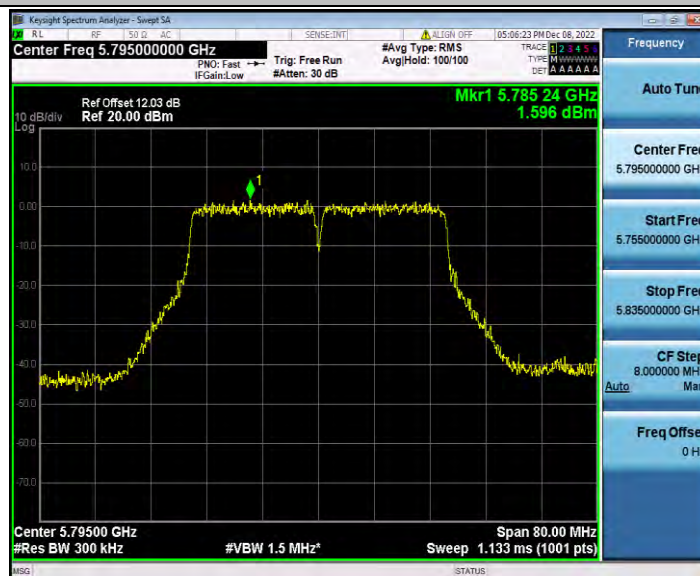
11AC20SISO_Ant1_5825



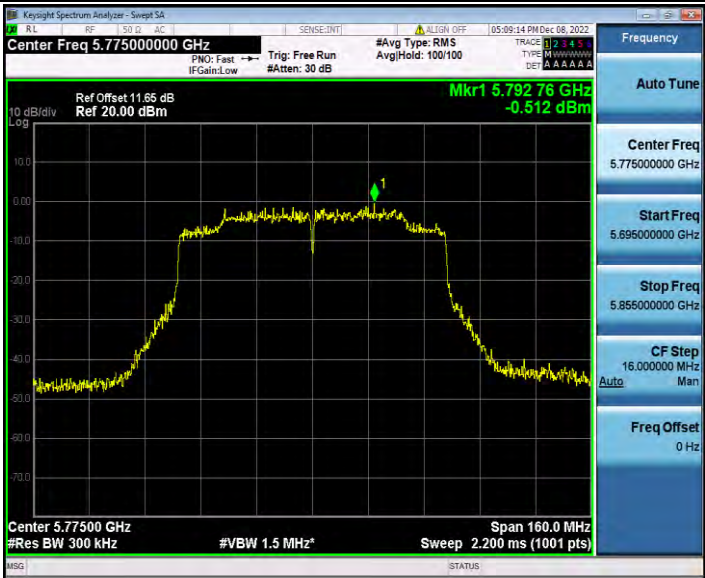
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



11AX80SISO_Ant1_5775

