

Case No. : <u>GTS20240102003-1-4</u>	
Ambient Condition: <u>25</u> °C, <u>48</u> %RH	
According Standard: <u>■Part15E</u>	
Test Date: <u>2024.1.5</u>	Test Engineer: <u>Evan ouyang</u>

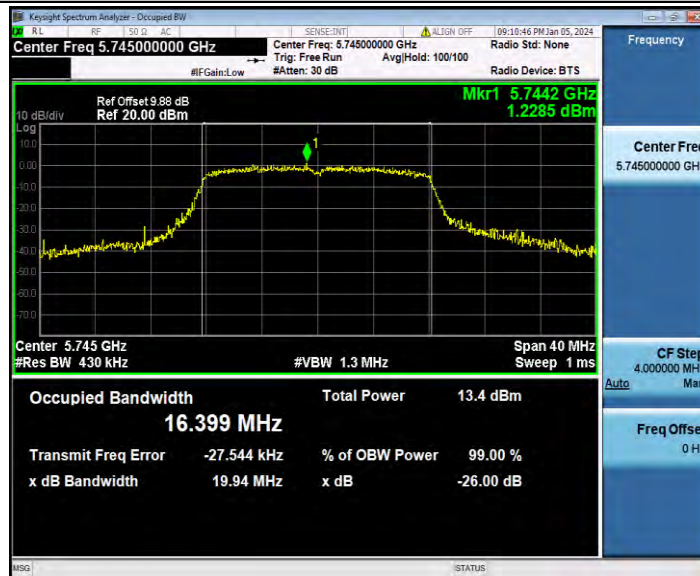
Appendix E.1: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.399	5736.7730	5753.1720	---	---
		5785	16.401	5776.7780	5793.1790	---	---
		5825	16.377	5816.7929	5833.1699	---	---
11N20SISO	Ant1	5745	17.486	5736.2363	5753.7223	---	---
		5785	17.489	5776.2351	5793.7241	---	---
		5825	17.493	5816.2259	5833.7189	---	---
11N40SISO	Ant1	5755	35.952	5737.0322	5772.9842	---	---
		5795	35.839	5777.0605	5812.8995	---	---
11AC20SISO	Ant1	5745	17.514	5736.2163	5753.7303	---	---
		5785	17.486	5776.2374	5793.7234	---	---
		5825	17.495	5816.2357	5833.7307	---	---
11AC40SISO	Ant1	5755	36.005	5736.9974	5773.0024	---	---
		5795	35.877	5777.0554	5812.9324	---	---
11AC80SISO	Ant1	5775	75.083	5737.4115	5812.4945	---	---

Test Graphs

11A_Ant1_5745



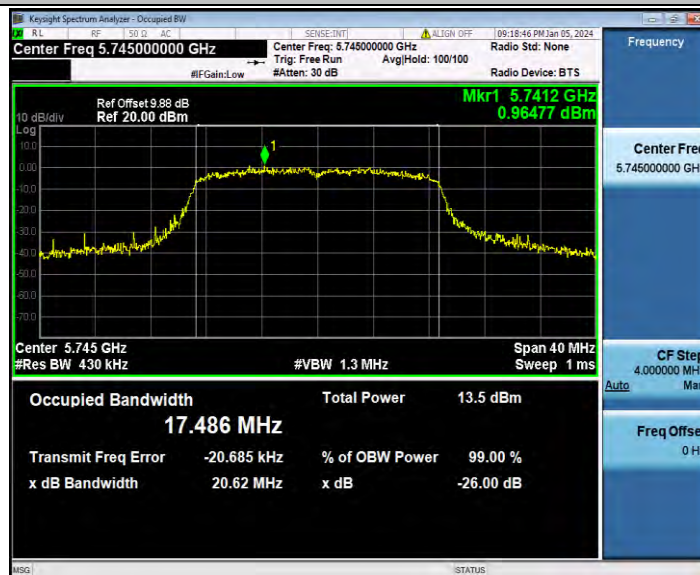
11A_Ant1_5785



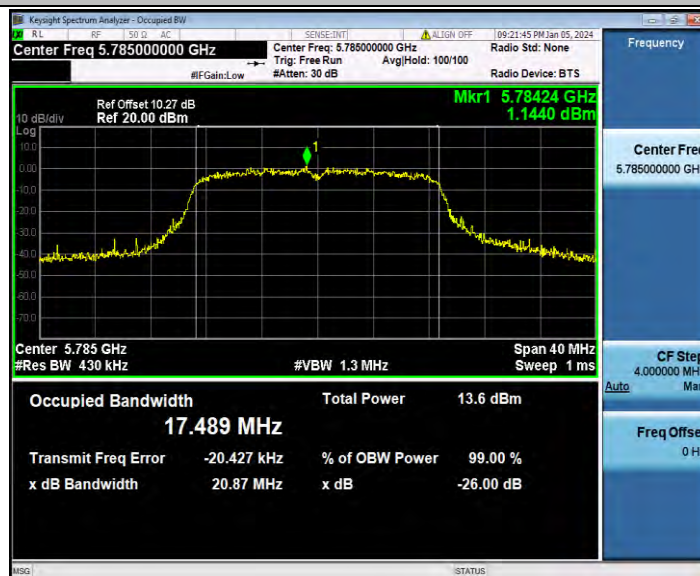
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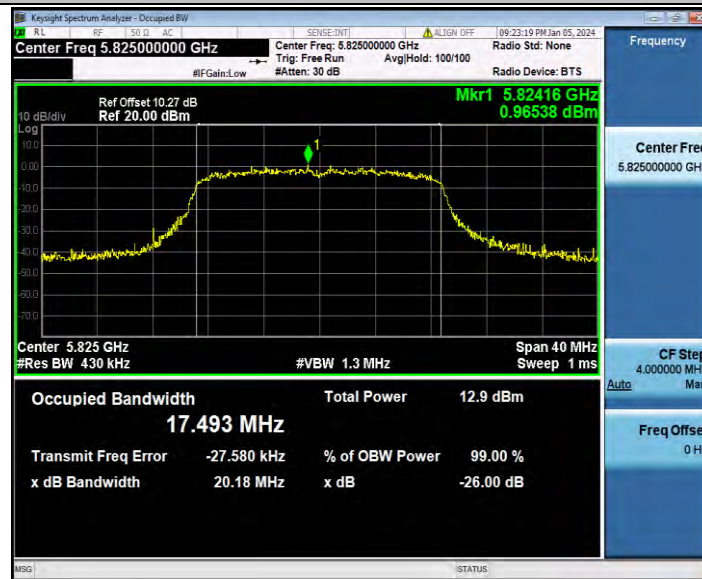
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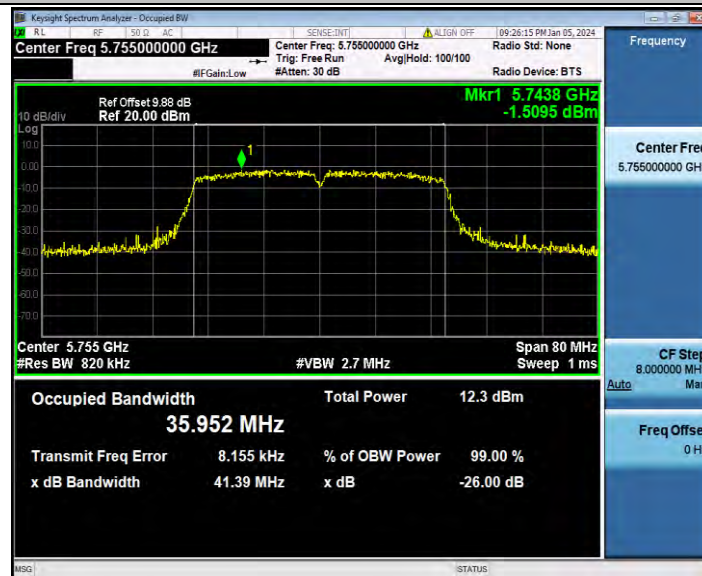
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11N20SISO_Ant1_5825



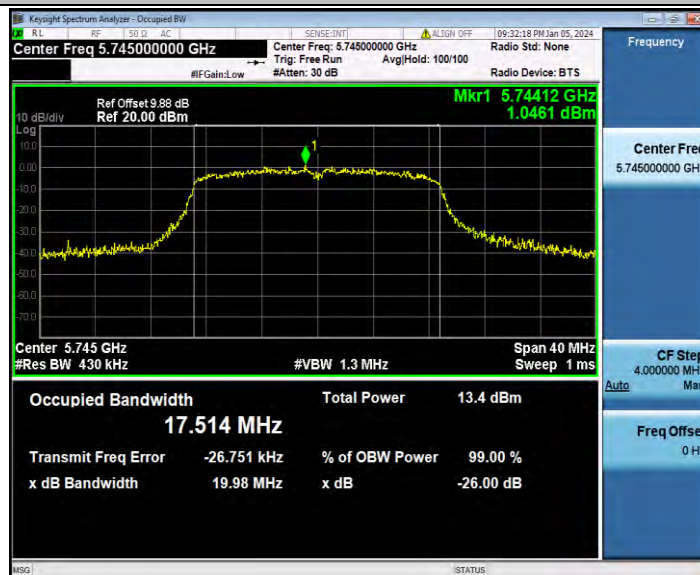
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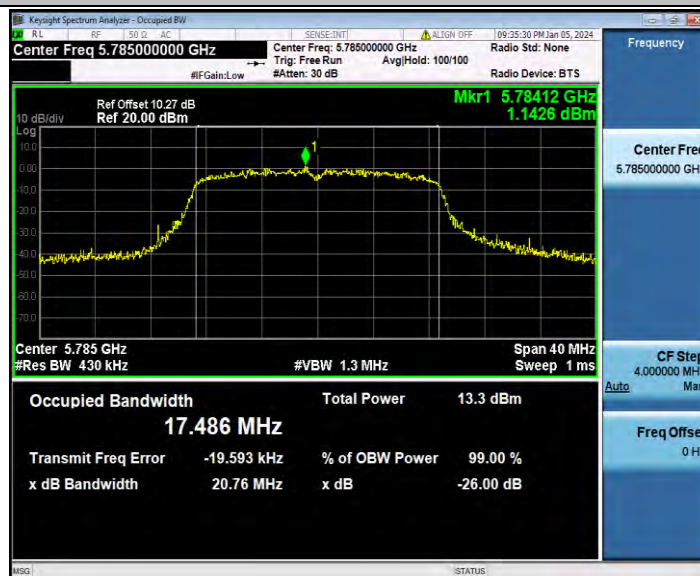
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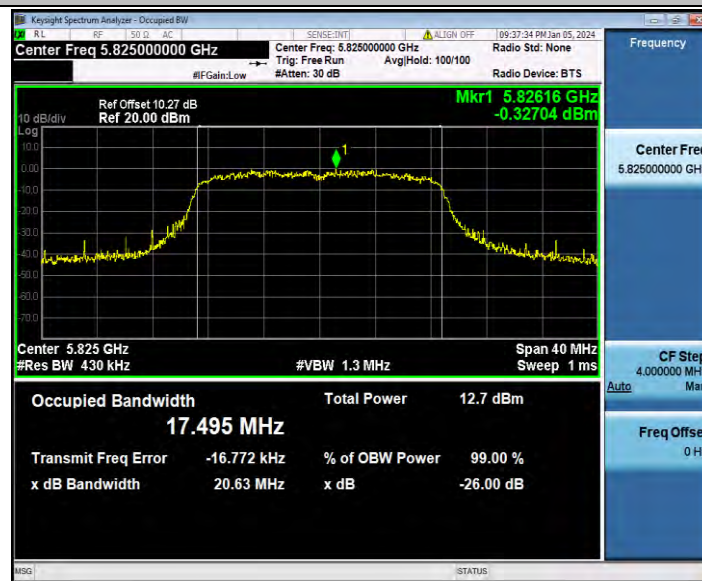
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11AC20SISO_Ant1_5785



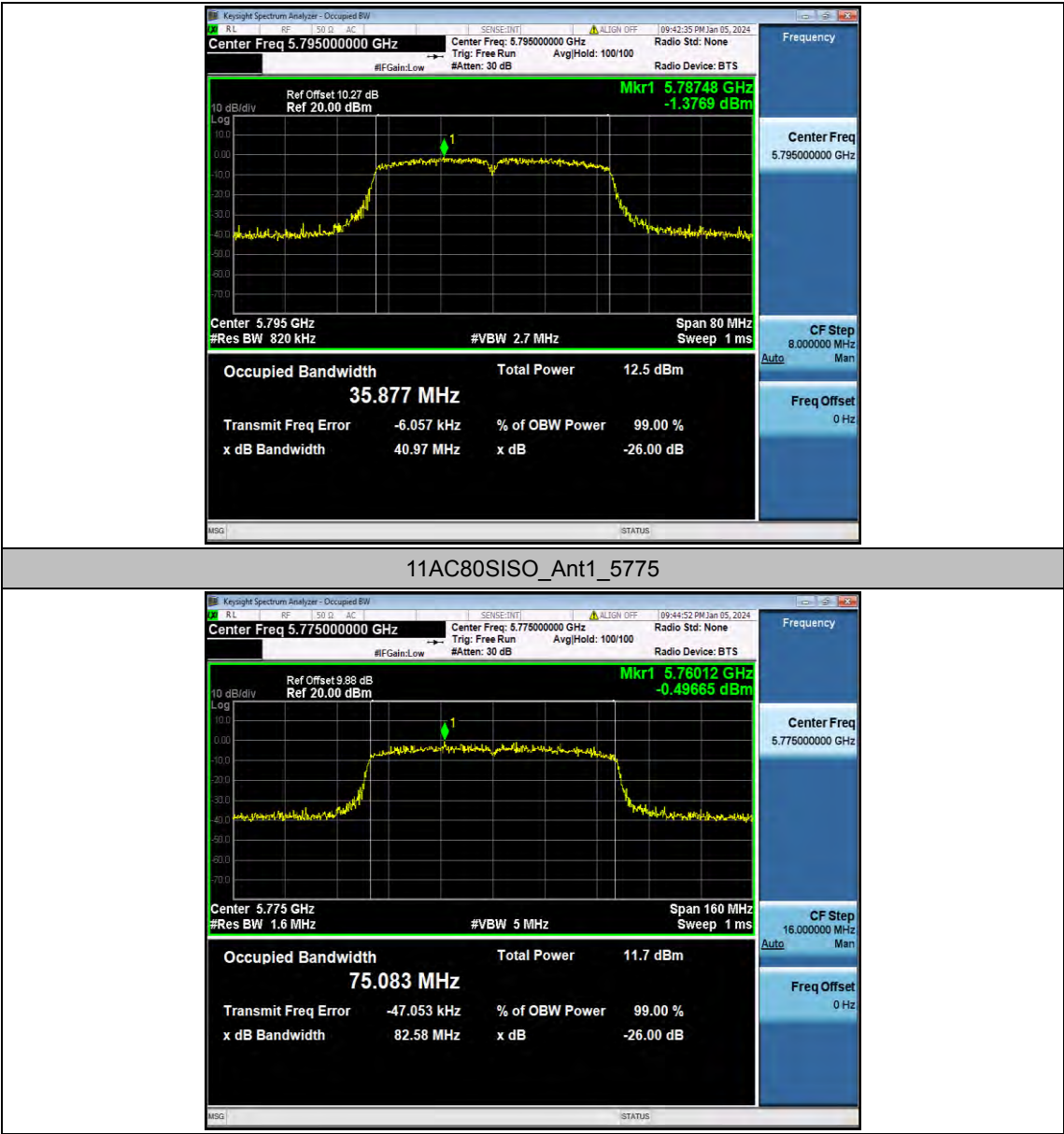
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11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795

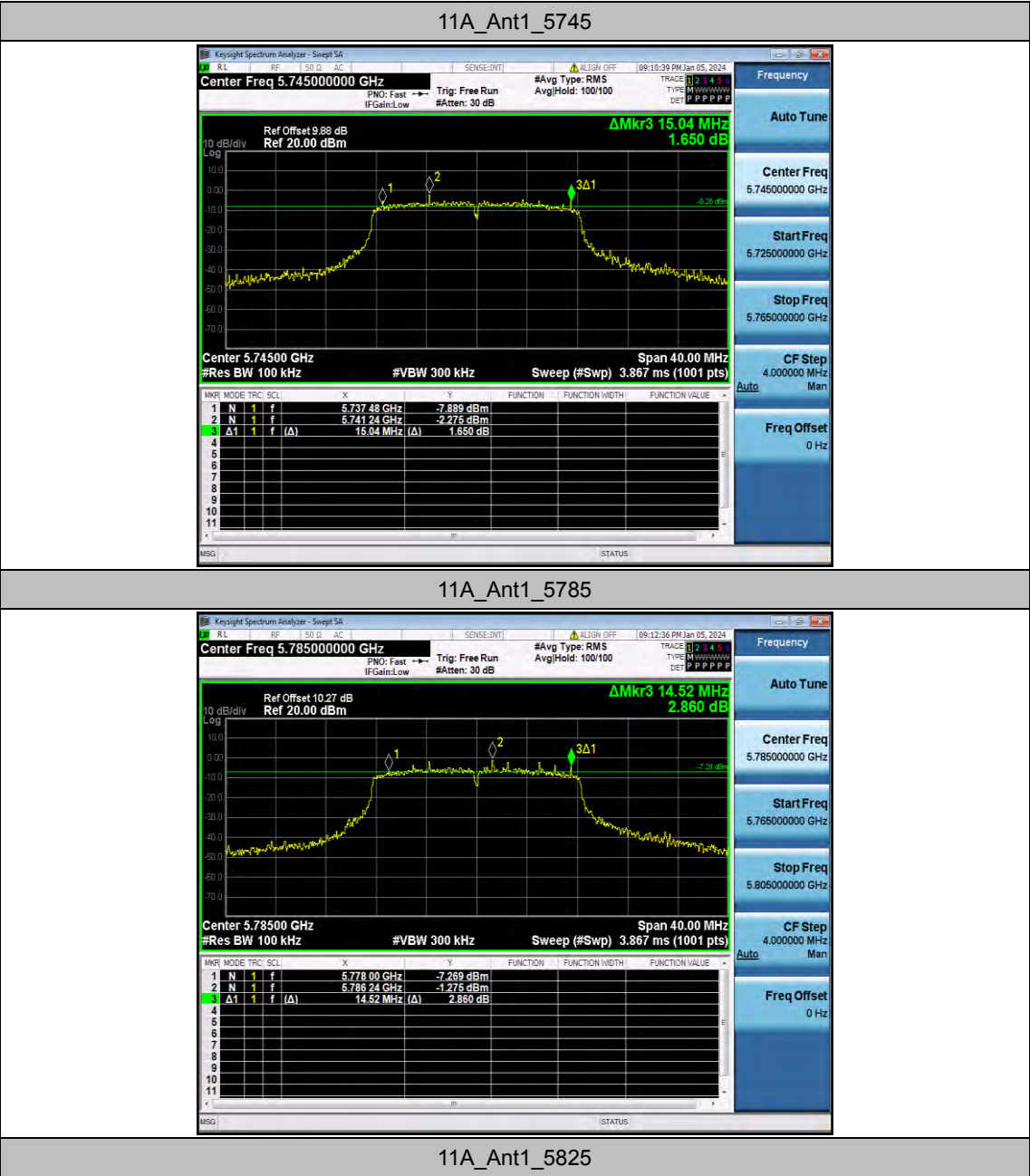


Appendix E.2: Min emission bandwidth

Test Result B4

TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	15.040	5737.480	5752.520	0.5	PASS
		5785	14.520	5778.000	5792.520	0.5	PASS
		5825	14.240	5817.400	5831.640	0.5	PASS
11N20SISO	Ant1	5745	15.440	5737.080	5752.520	0.5	PASS
		5785	15.000	5777.520	5792.520	0.5	PASS
		5825	15.440	5817.120	5832.560	0.5	PASS
11N40SISO	Ant1	5755	33.680	5737.560	5771.240	0.5	PASS
		5795	35.040	5777.480	5812.520	0.5	PASS
11AC20SISO	Ant1	5745	15.080	5737.400	5752.480	0.5	PASS
		5785	14.120	5777.480	5791.600	0.5	PASS
		5825	12.400	5818.440	5830.840	0.5	PASS
11AC40SISO	Ant1	5755	33.920	5737.400	5771.320	0.5	PASS
		5795	32.560	5777.480	5810.040	0.5	PASS
11AC80SISO	Ant1	5775	72.640	5738.680	5811.320	0.5	PASS

Test Graphs B4



11A_Ant1_5785

Frequency

Auto Tune

Center Freq
5.78500000 GHzStart Freq
5.765000000 GHzStop Freq
5.805000000 GHzCF Step
4.000000 MHz
Auto ManFreq Offset
0 Hz

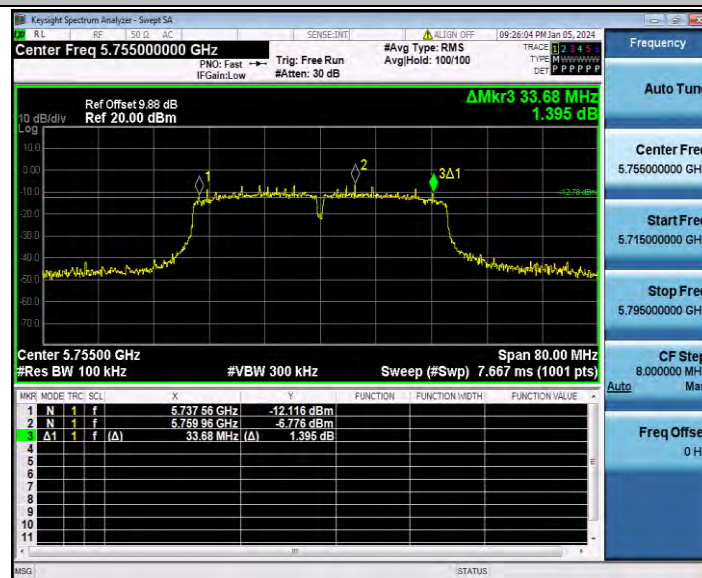
11A_Ant1_5825



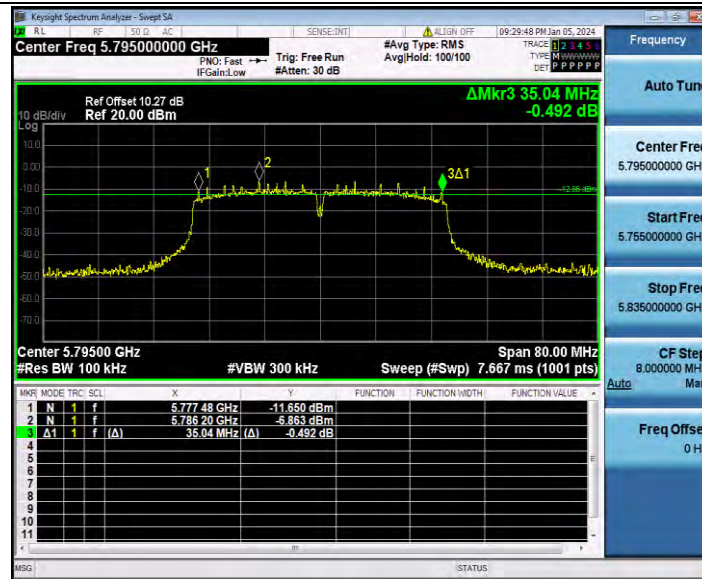
11N20SISO_Ant1_5825



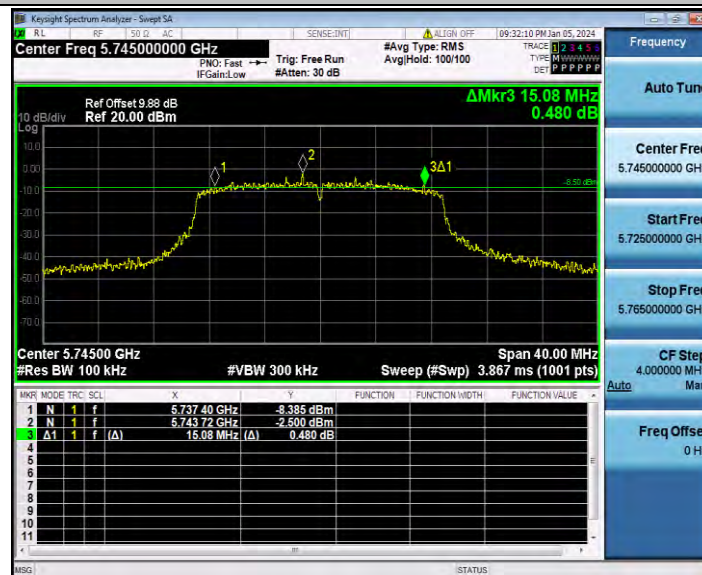
11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



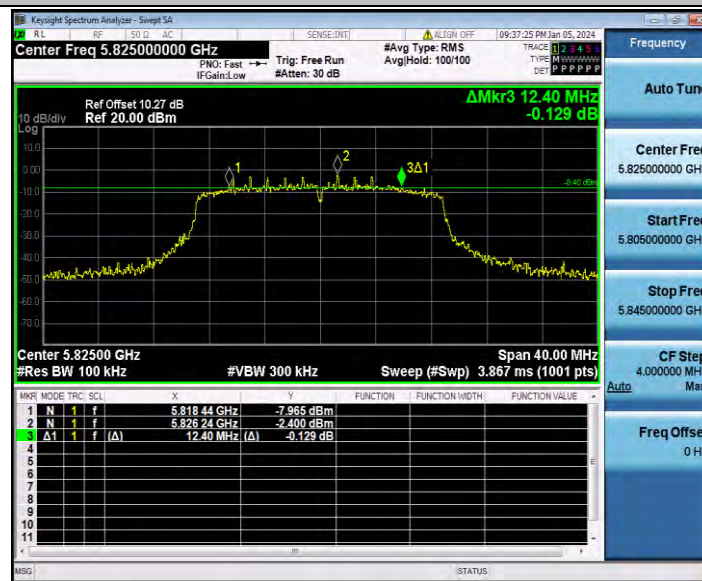
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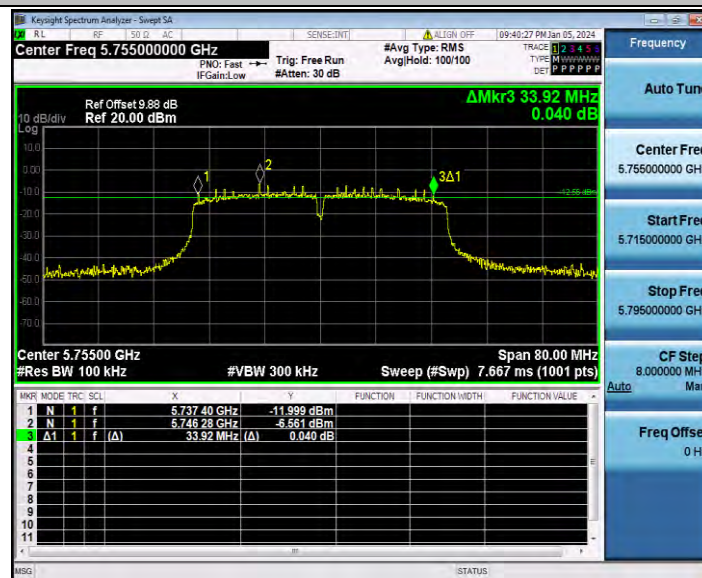
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795

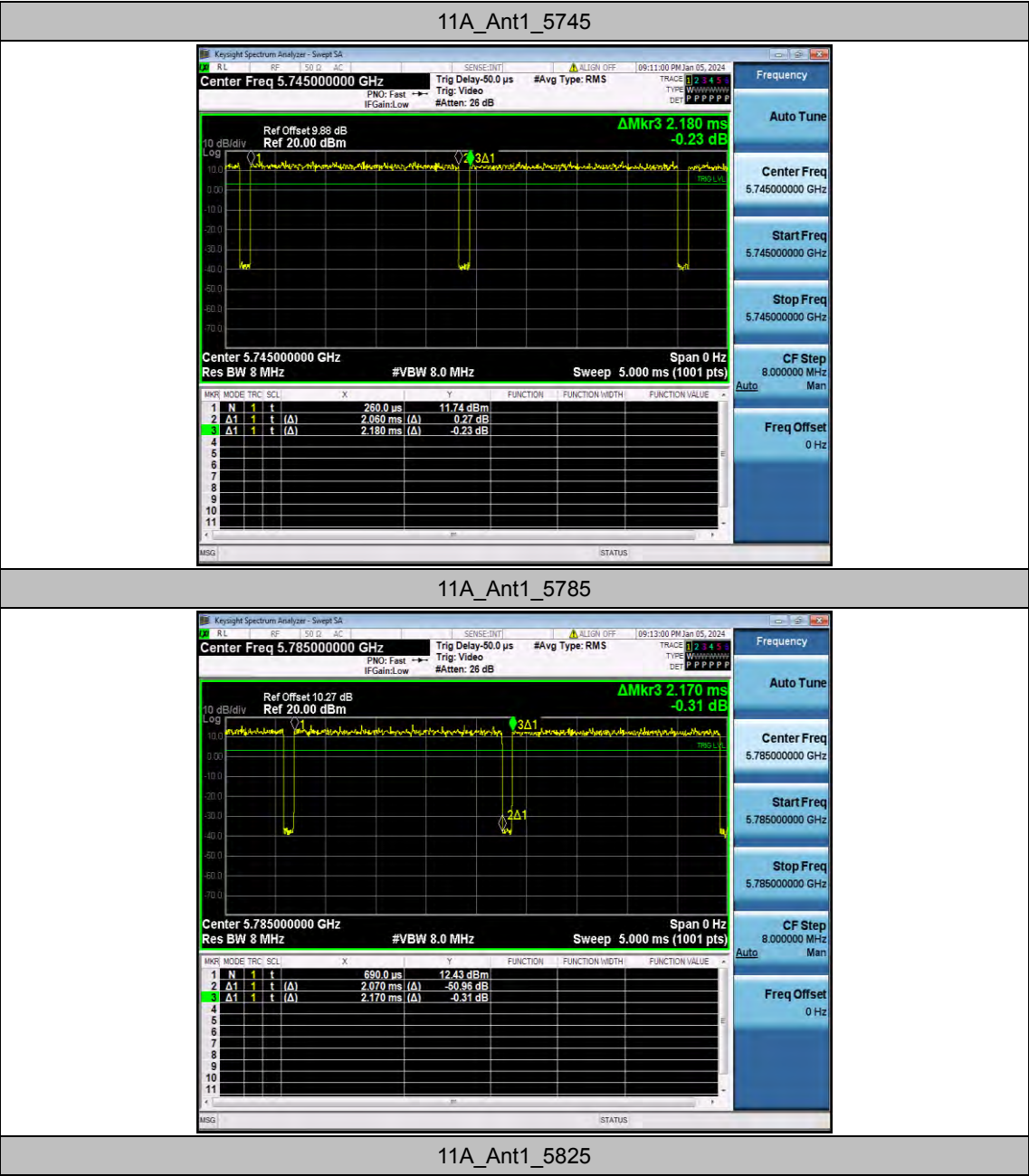


Appendix E.3: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5745	2.06	2.18	94.50	0.25	0.49
		5785	2.07	2.17	95.39	0.20	0.48
		5825	2.06	2.18	94.50	0.25	0.49
11N20SISO	Ant1	5745	1.92	2.03	94.58	0.24	0.52
		5785	1.92	2.03	94.58	0.24	0.52
		5825	1.93	2.04	94.61	0.24	0.52
11N40SISO	Ant1	5755	0.94	1.05	89.52	0.48	1.06
		5795	0.94	1.05	89.52	0.48	1.06
11AC20SISO	Ant1	5745	1.93	2.04	94.61	0.24	0.52
		5785	1.93	2.04	94.61	0.24	0.52
		5825	1.93	2.05	94.15	0.26	0.52
11AC40SISO	Ant1	5755	0.95	1.06	89.62	0.48	1.05
		5795	0.95	1.06	89.62	0.48	1.05
11AC80SISO	Ant1	5775	0.46	0.58	79.31	1.01	2.17

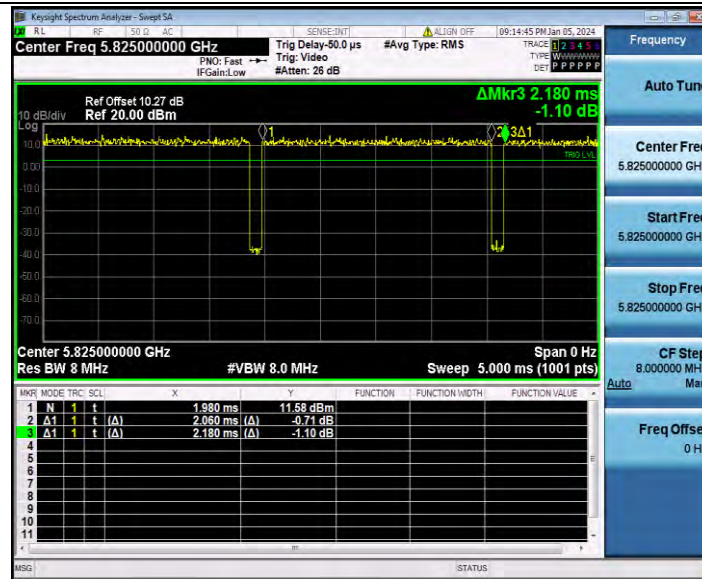
Test Graphs



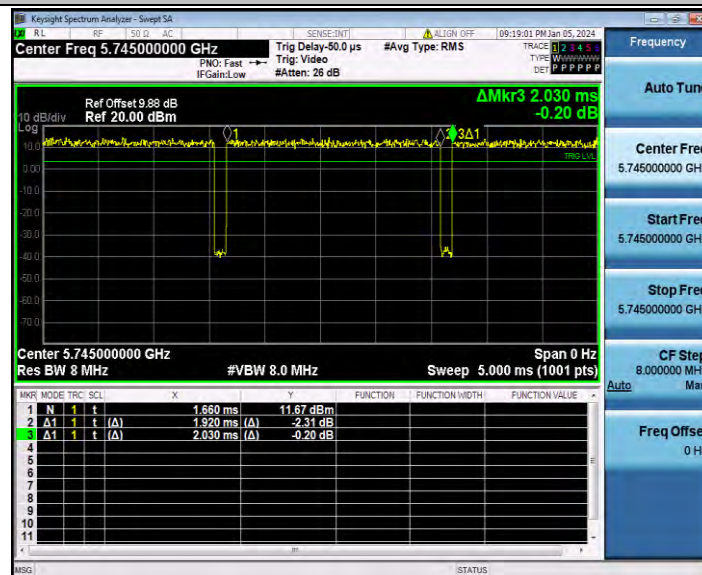
11A_Ant1_5785

Frequency
Auto Tune
Center Freq 5.785000000 GHz
Start Freq 5.785000000 GHz
Stop Freq 5.785000000 GHz
CF Step 8.000000 MHz
Freq Offset 0 Hz

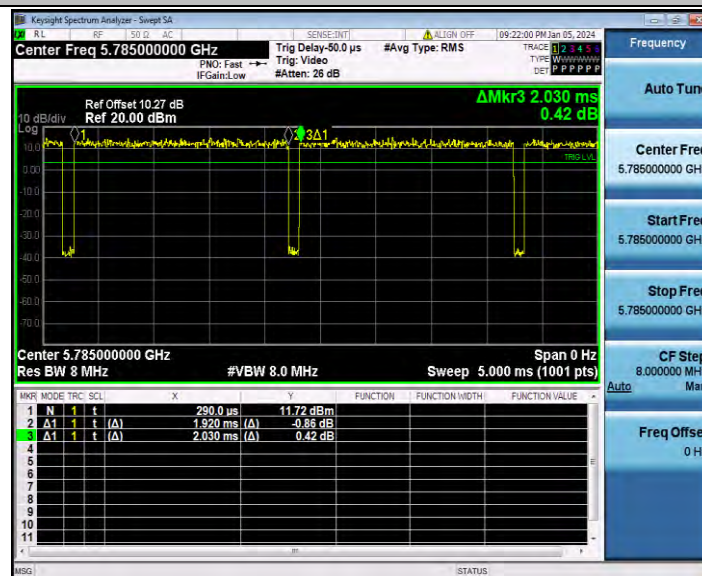
11A_Ant1_5825

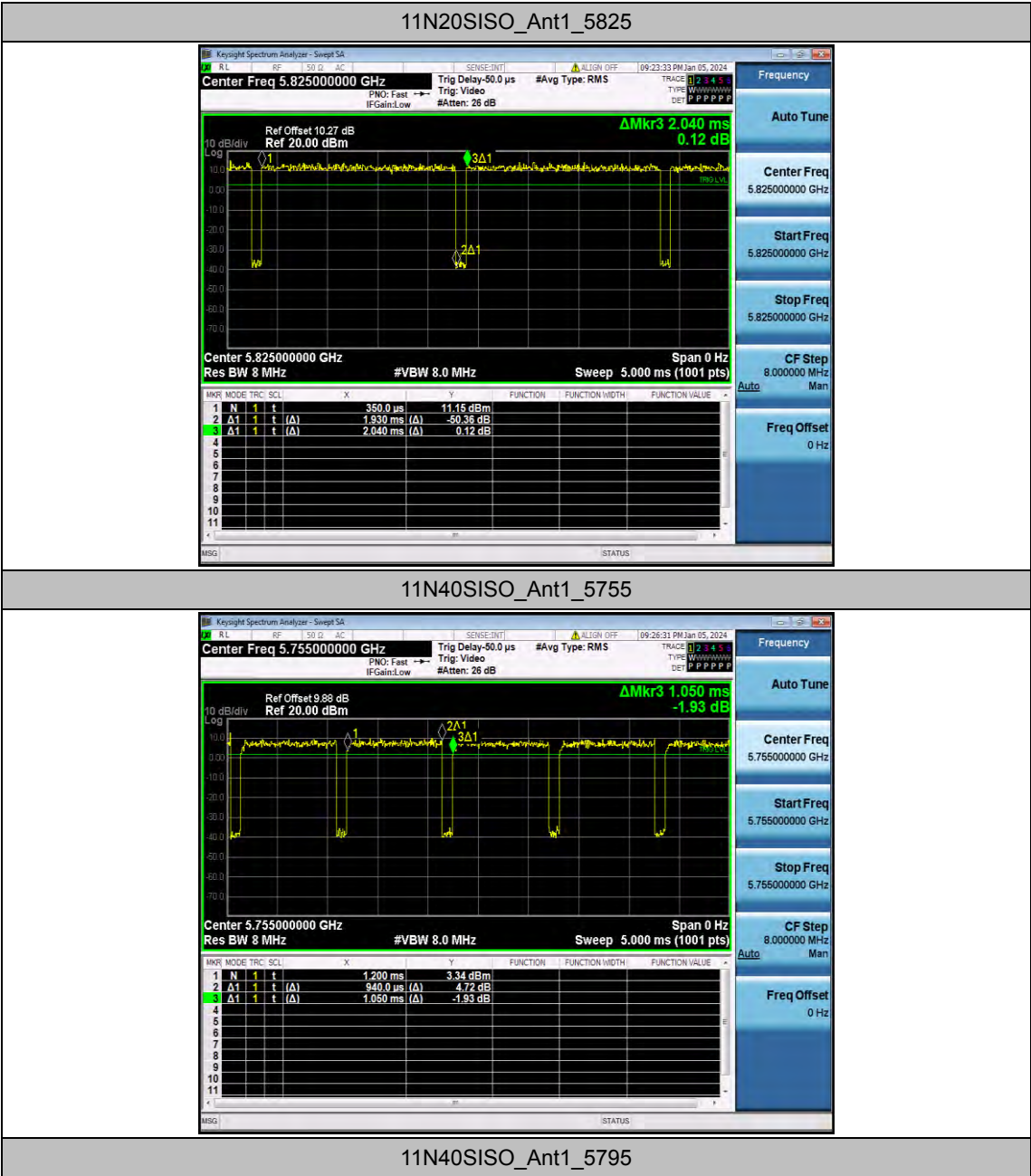


11N20SISO_Ant1_5745



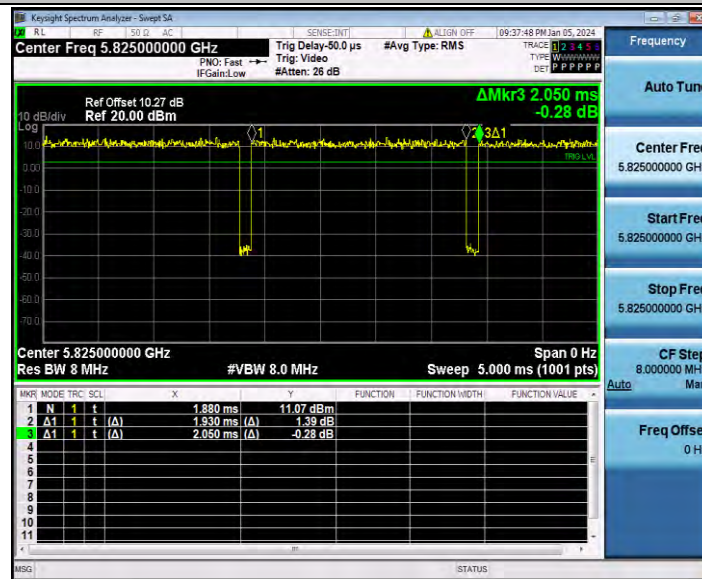
11N20SISO_Ant1_5785



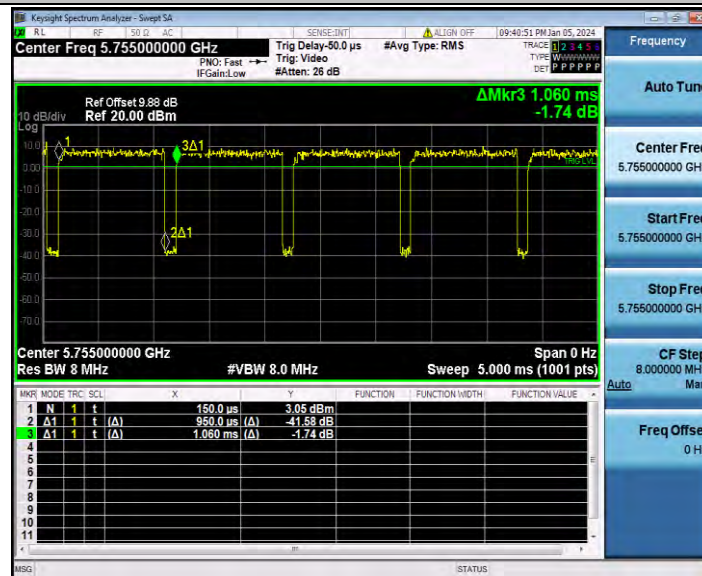




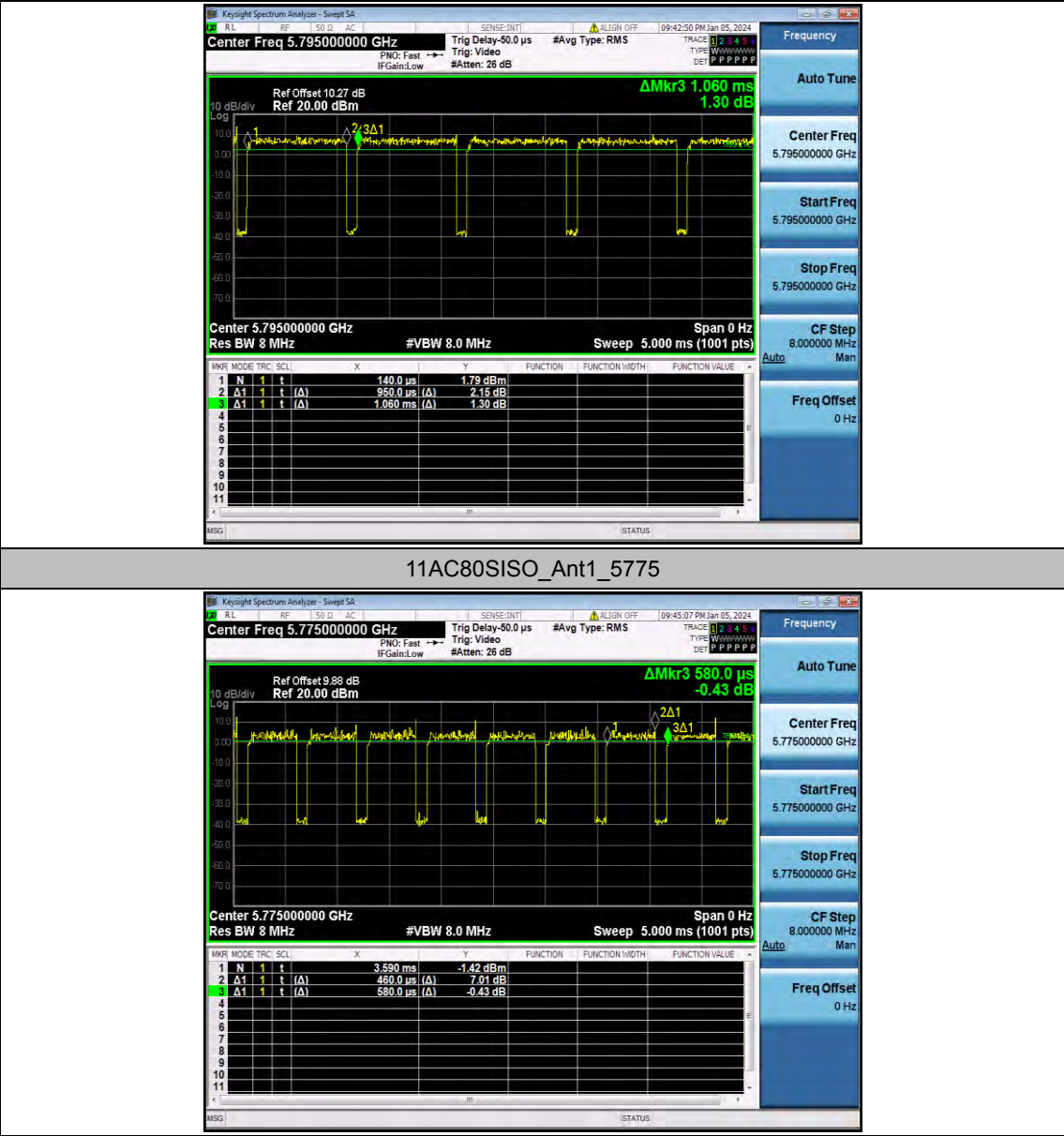
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



Appendix E.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	5745	7.74	94.50	0.25	7.99	≤30.00	PASS
		5785	8.15	95.39	0.20	8.35	≤30.00	PASS
		5825	7.25	94.50	0.25	7.50	≤30.00	PASS
11N20SISO	Ant1	5745	7.66	94.58	0.24	7.90	≤30.00	PASS
		5785	7.86	94.58	0.24	8.10	≤30.00	PASS
		5825	7.14	94.61	0.24	7.38	≤30.00	PASS
11N40SISO	Ant1	5755	6.37	89.52	0.48	6.85	≤30.00	PASS
		5795	6.18	89.52	0.48	6.66	≤30.00	PASS
11AC20SISO	Ant1	5745	7.55	94.61	0.24	7.79	≤30.00	PASS
		5785	7.54	94.61	0.24	7.78	≤30.00	PASS
		5825	6.95	94.15	0.26	7.21	≤30.00	PASS
11AC40SISO	Ant1	5755	6.09	89.62	0.48	6.57	≤30.00	PASS
		5795	6.36	89.62	0.48	6.84	≤30.00	PASS
11AC80SISO	Ant1	5775	4.66	79.31	1.01	5.67	≤30.00	PASS

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

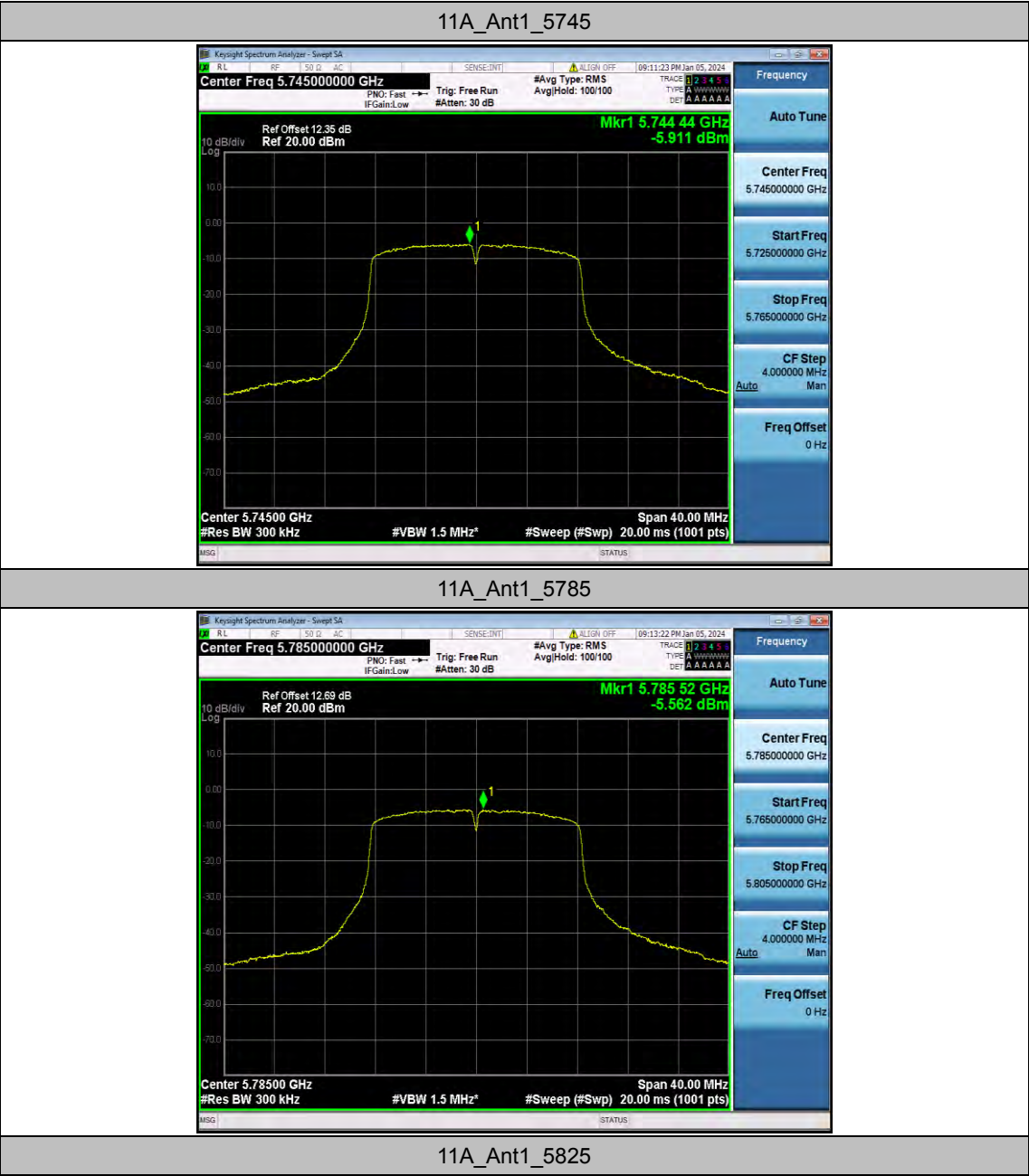
Appendix E.5: Maximum power spectral density

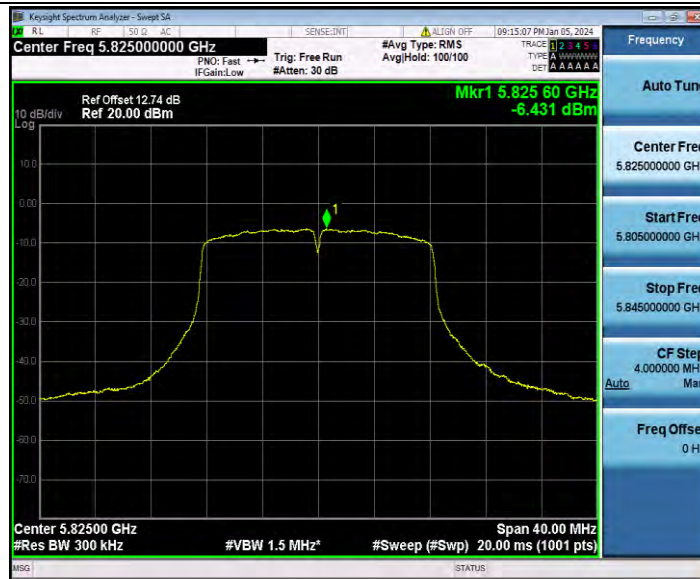
Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-5.91	≤30.00	PASS
		5785	-5.56	≤30.00	PASS
		5825	-6.43	≤30.00	PASS
11N20SISO	Ant1	5745	-5.92	≤30.00	PASS
		5785	-6.01	≤30.00	PASS
		5825	-6.65	≤30.00	PASS
11N40SISO	Ant1	5755	-10.28	≤30.00	PASS
		5795	-10.47	≤30.00	PASS
11AC20SISO	Ant1	5745	-6.37	≤30.00	PASS
		5785	-6.25	≤30.00	PASS
		5825	-6.82	≤30.00	PASS
11AC40SISO	Ant1	5755	-10.62	≤30.00	PASS
		5795	-10.32	≤30.00	PASS
11AC80SISO	Ant1	5775	-14.36	≤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

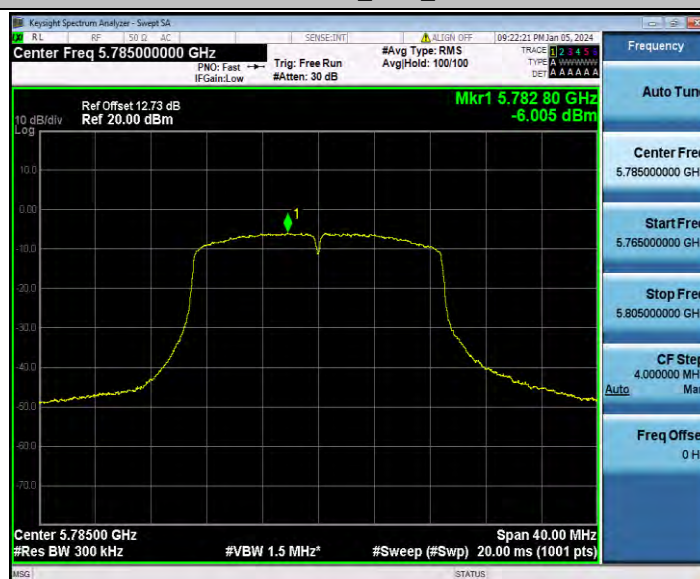




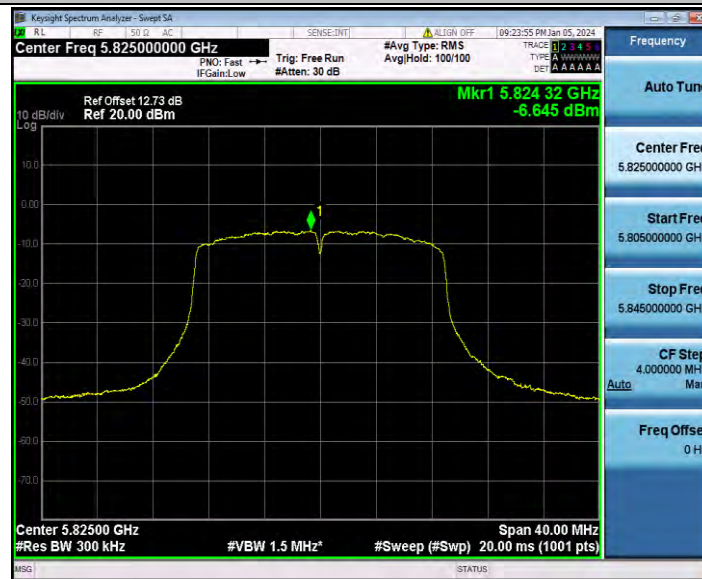
11N20SISO_Ant1_5745



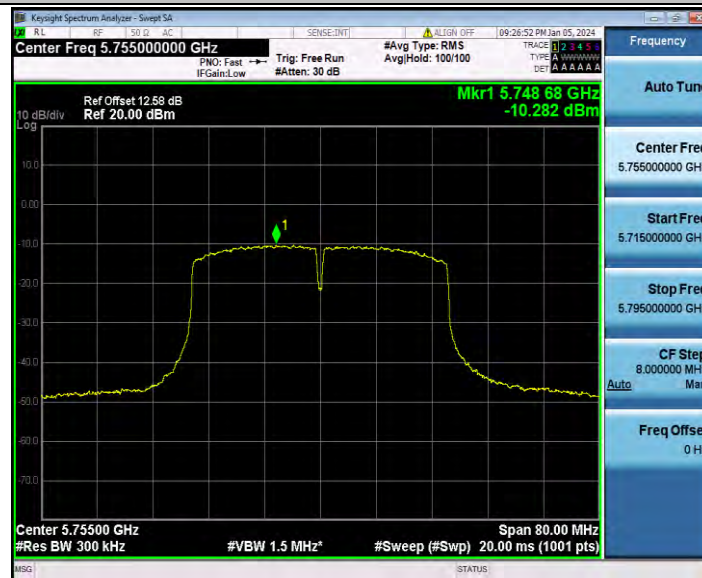
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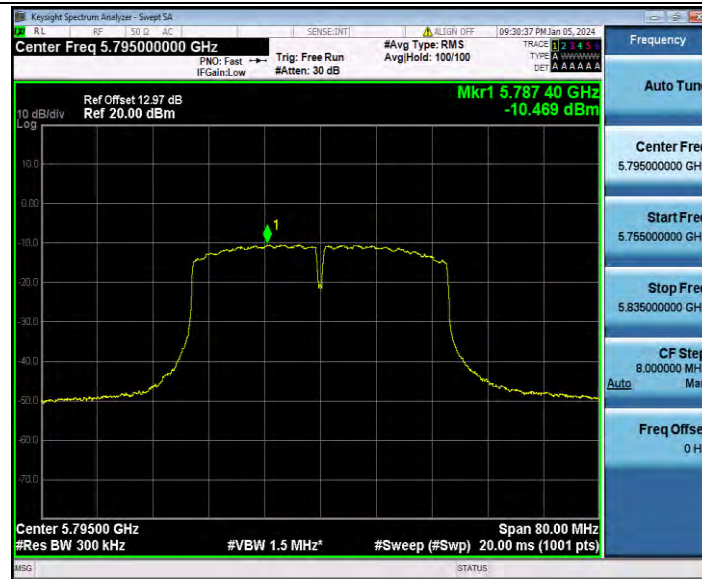
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11N40SISO_Ant1_5755



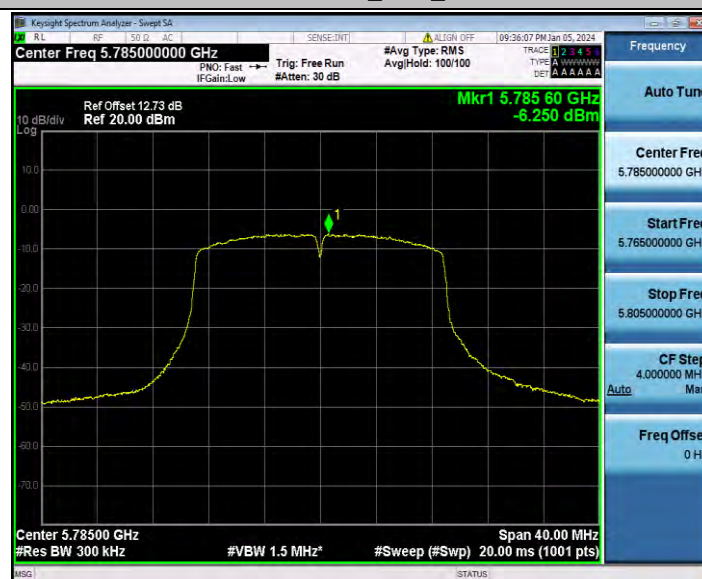
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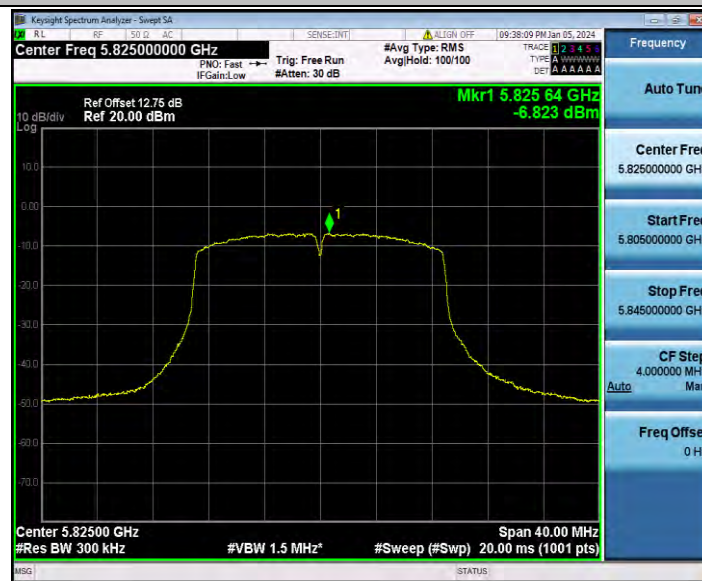
11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



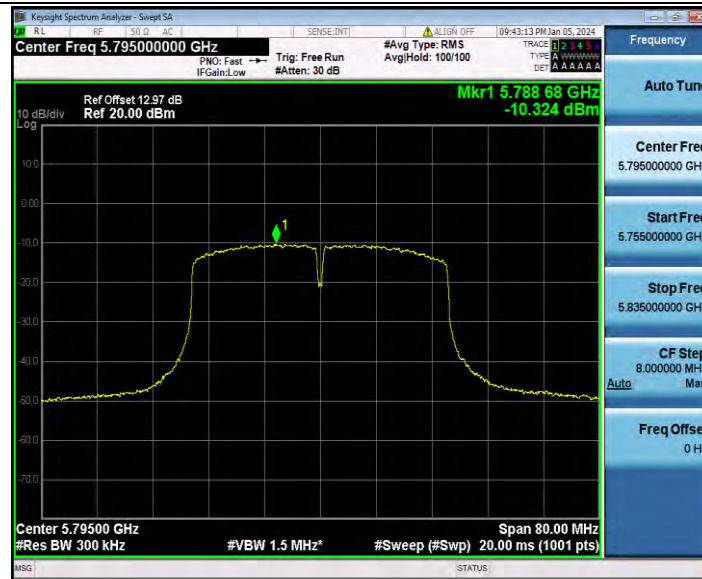
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11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775

