



Appendix D

RF Test Data for 5.2G WIFI (Conducted Measurement)

Product Name: Single Board Computer

Test Model: IEC-EDGE2-0432

Environmental Conditions

Temperature:	23.5° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Bill Zhu
Supervised by:	Li huan



D.1 26dB Bandwidth

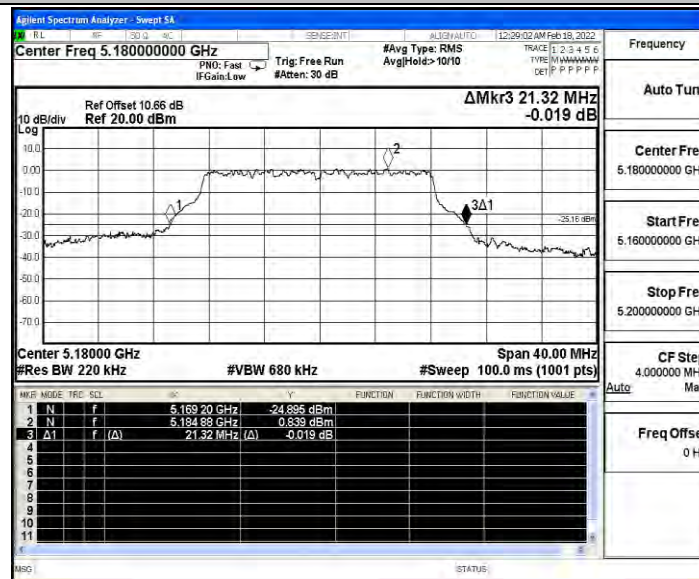
Test Result

TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant0	5180	21.320	5169.200	5190.520	---	---
		5220	21.280	5209.200	5230.480	---	---
		5240	21.240	5229.200	5250.440	---	---
11N20SISO	Ant0	5180	22.000	5168.640	5190.640	---	---
		5220	21.600	5209.080	5230.680	---	---
		5240	21.760	5228.840	5250.600	---	---
11N40SISO	Ant0	5190	39.760	5169.920	5209.680	---	---
		5230	39.680	5210.000	5249.680	---	---
11AC20SISO	Ant0	5180	28.920	5163.040	5191.960	---	---
		5220	26.880	5205.200	5232.080	---	---
		5240	25.640	5226.160	5251.800	---	---
11AC40SISO	Ant0	5190	39.680	5169.840	5209.520	---	---
		5230	40.800	5209.840	5250.640	---	---
11AC80SISO	Ant0	5210	84.960	5167.280	5252.240	---	---
11AX20SISO	Ant0	5180	24.720	5168.760	5193.480	---	---
		5220	21.440	5209.000	5230.440	---	---
		5240	23.800	5226.840	5250.640	---	---
11AX40SISO	Ant0	5190	39.920	5169.920	5209.840	---	---
		5230	40.480	5210.000	5250.480	---	---
11AX80SISO	Ant0	5210	81.240	5206.360	5287.600	---	---

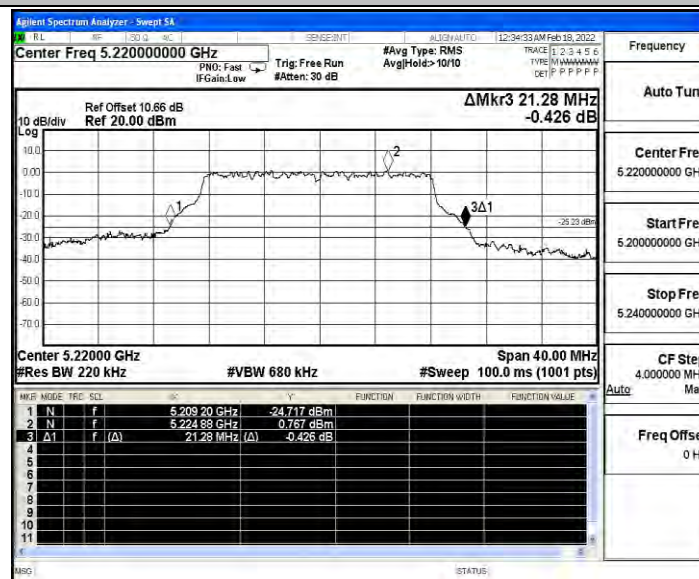


Test Graphs

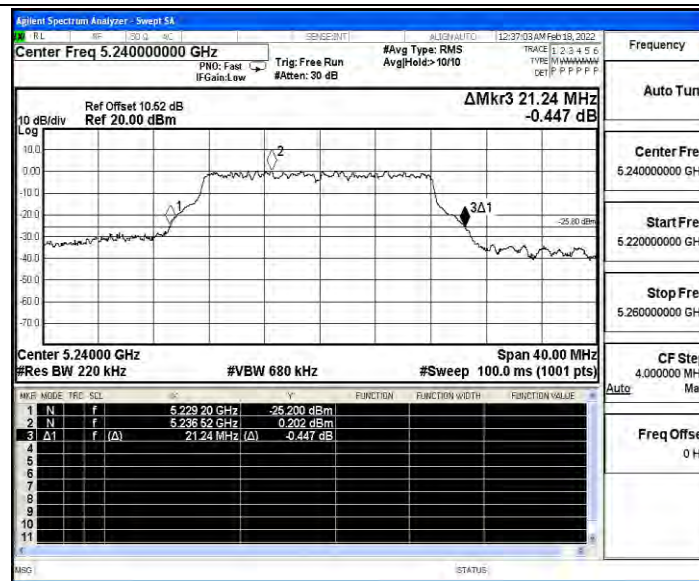
11A_Ant0_5180



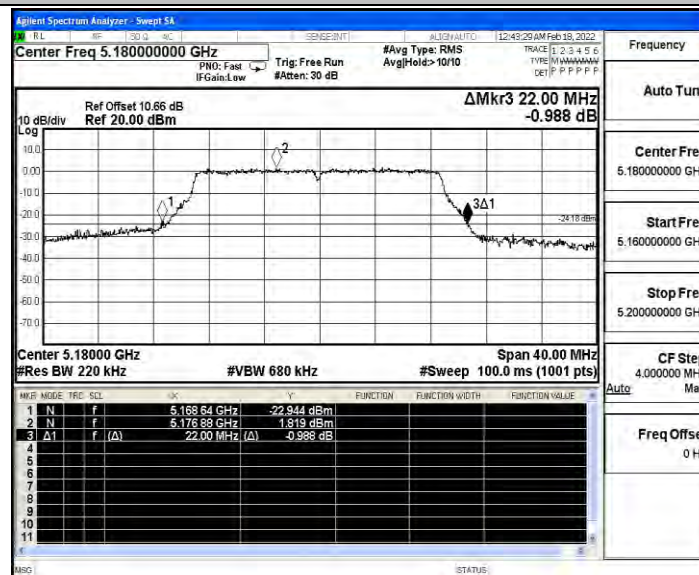
11A_Ant0_5220



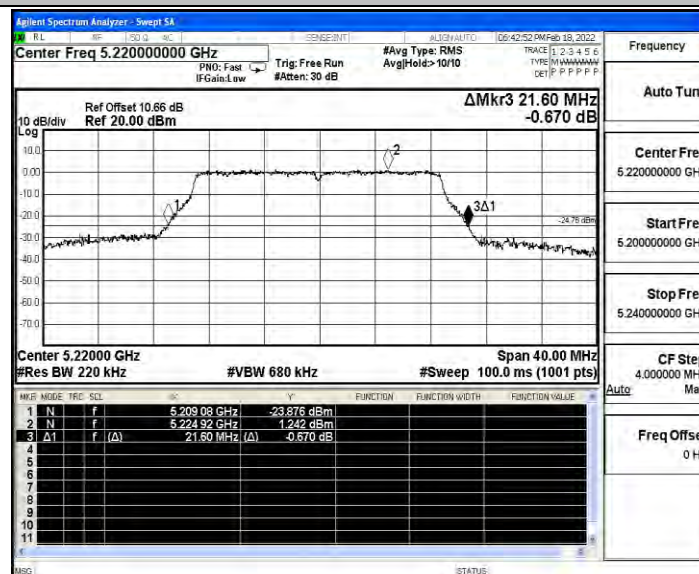
11A_Ant0_5240



11N20SISO_Ant0_5180

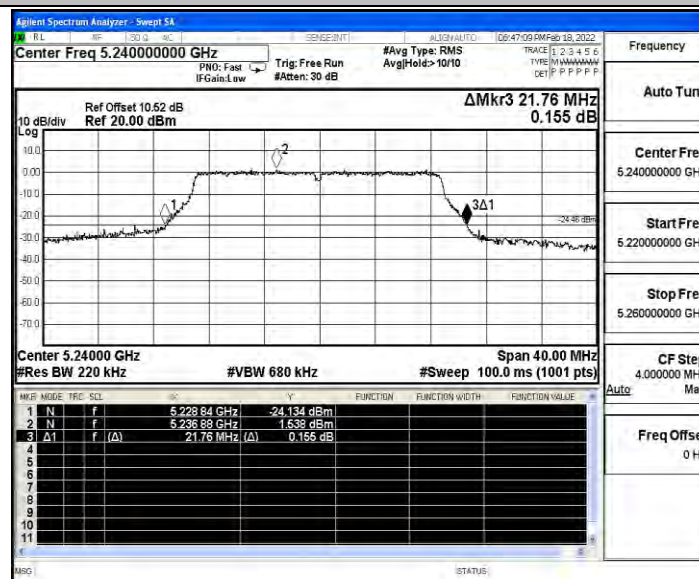


11N20SISO_Ant0_5220

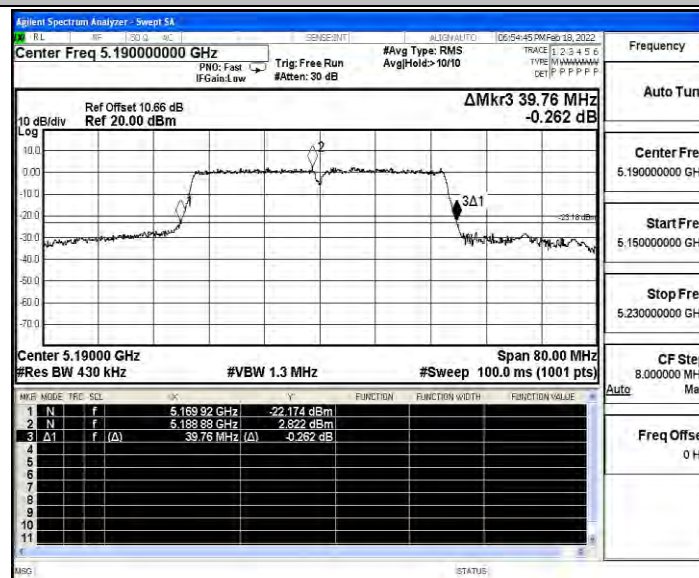




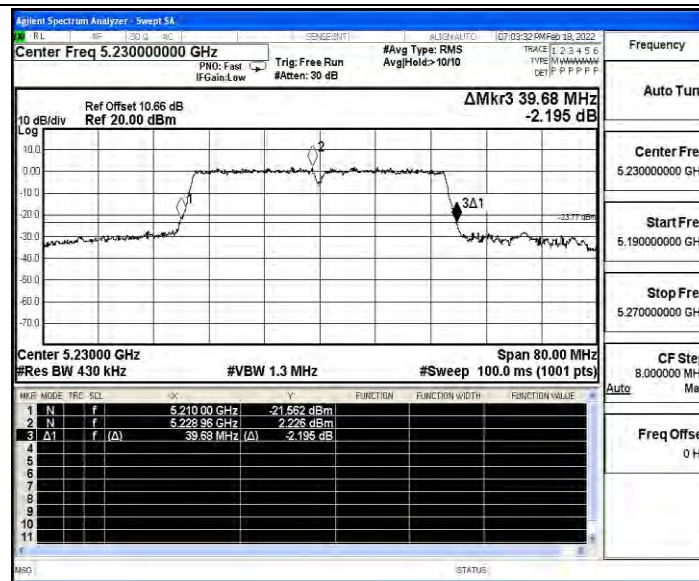
11N20SISO_Ant0_5240



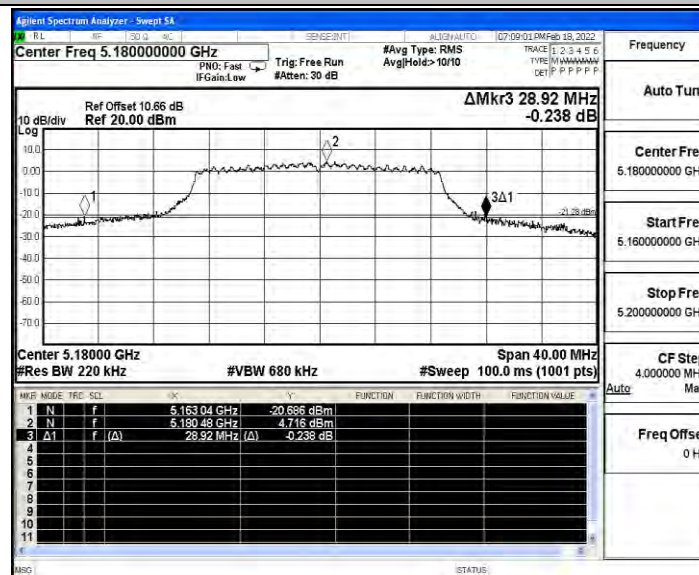
11N40SISO_Ant0_5190



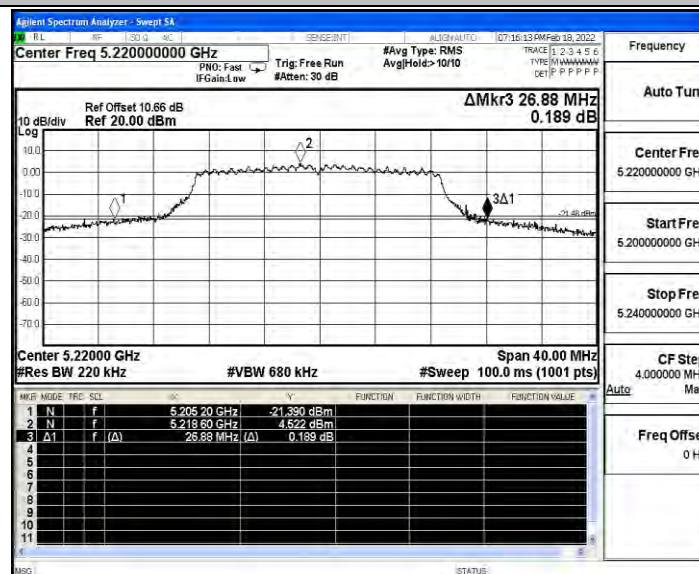
11N40SISO_Ant0_5230



11AC20SISO_Ant0_5180

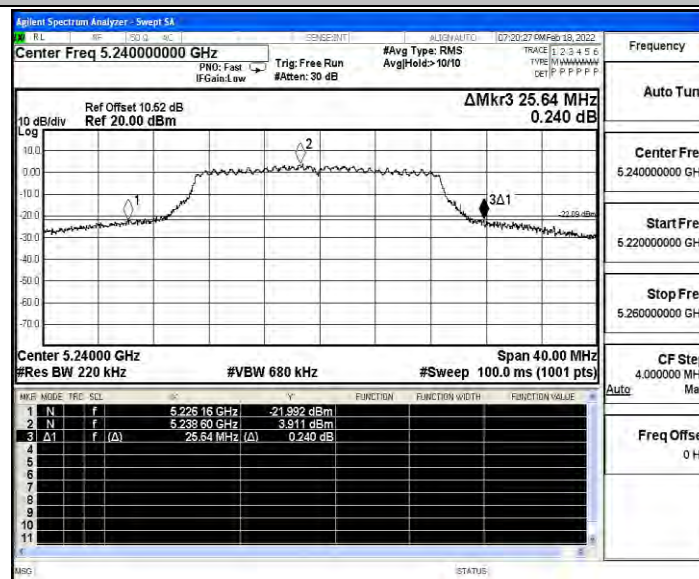


11AC20SISO_Ant0_5220

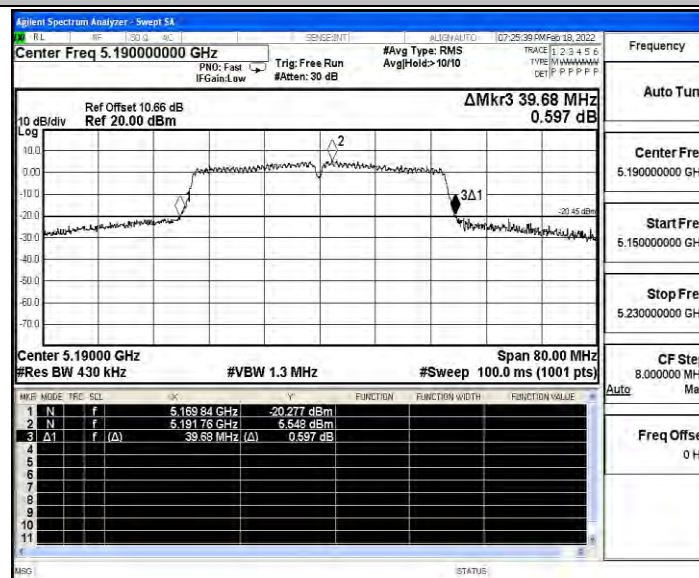




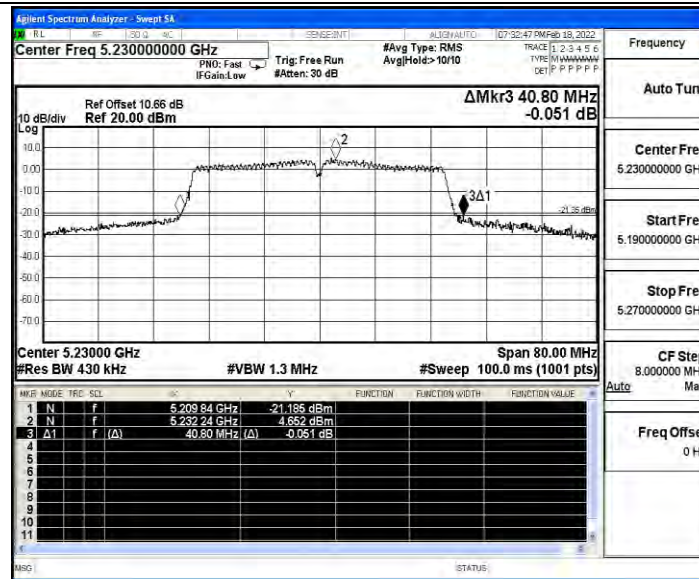
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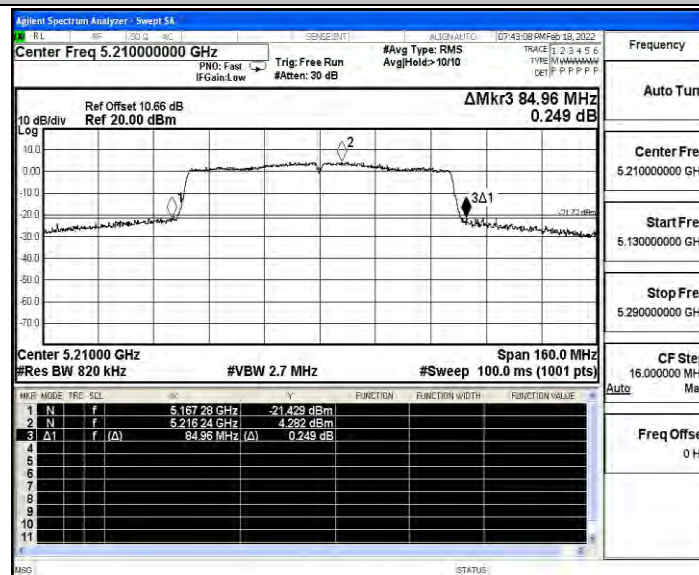
11AC40SISO_Ant0_5190



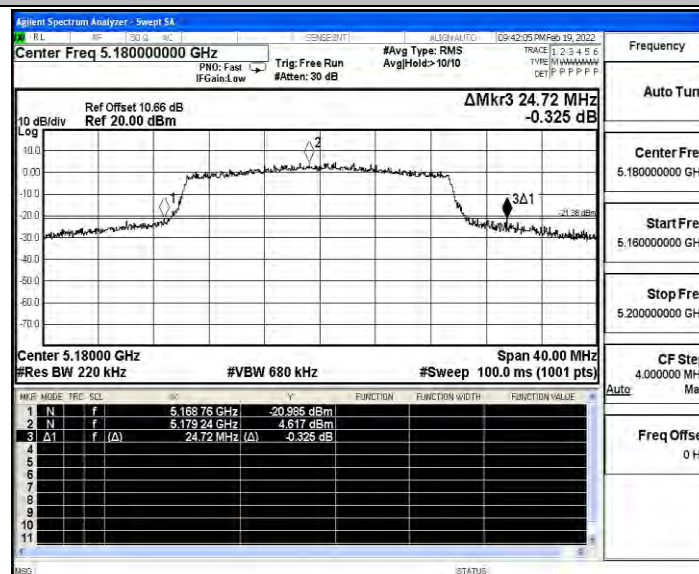
11AC40SISO_Ant0_5230



11AC80SISO_Ant0_5210

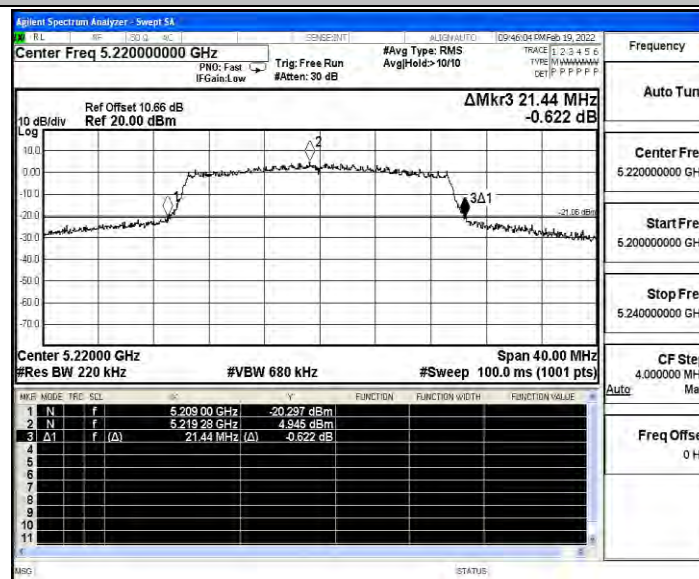


11AX20SISO_Ant0_5180

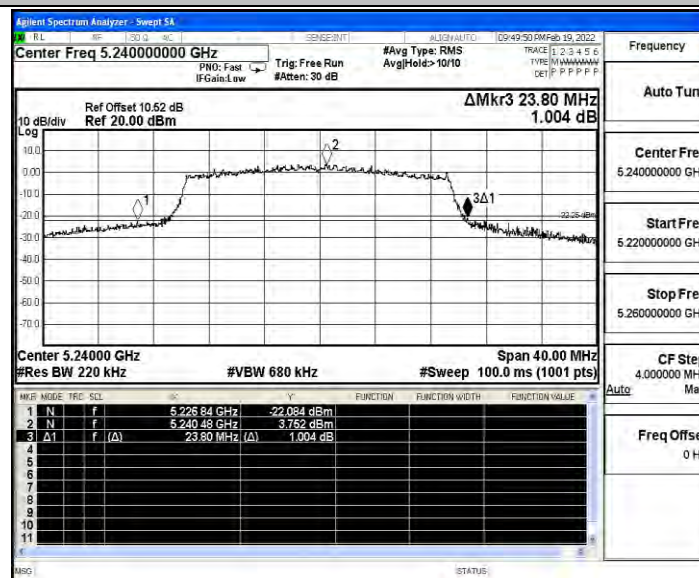




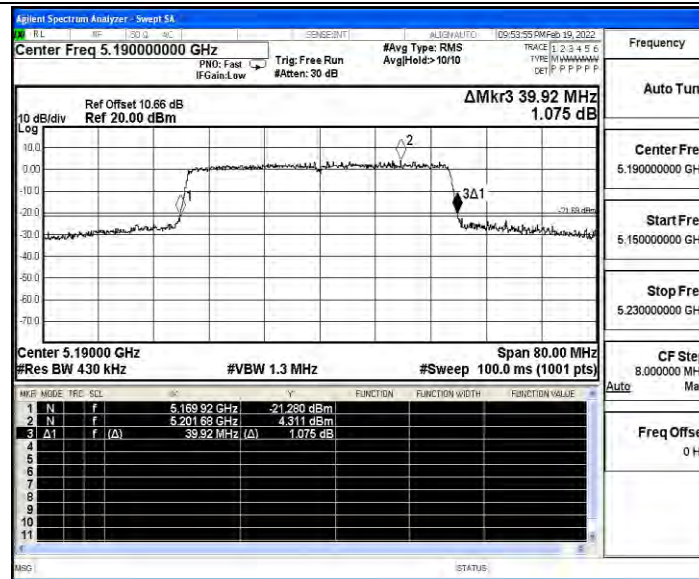
11AX20SISO_Ant0_5220



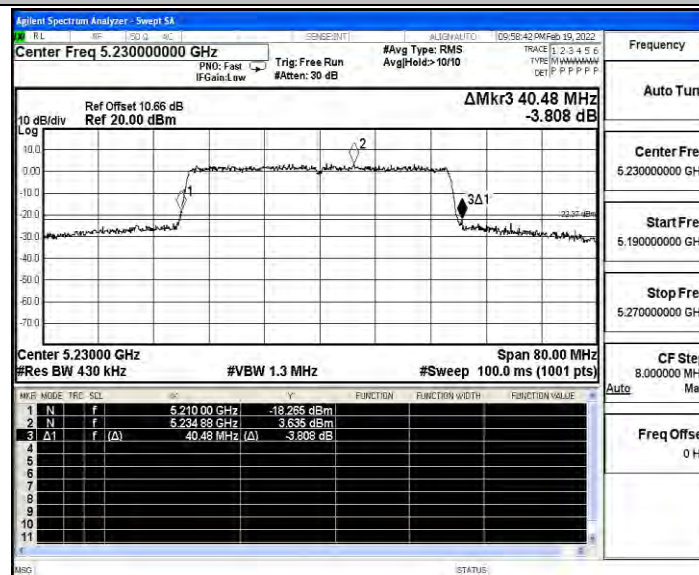
11AX20SISO_Ant0_5240



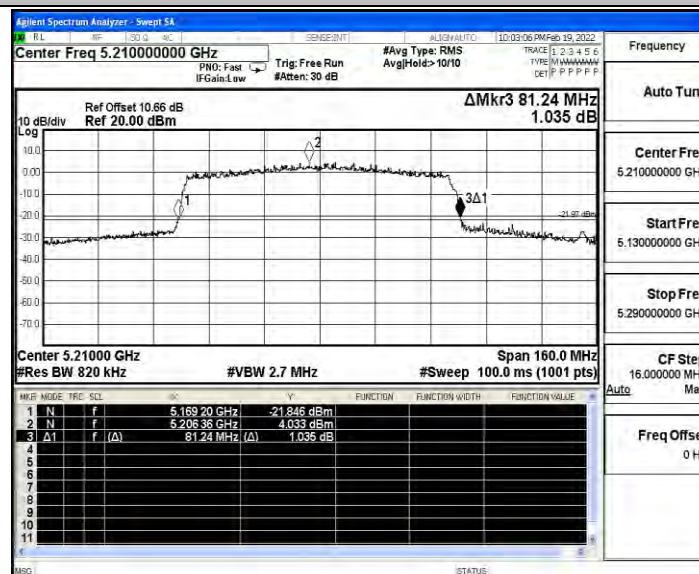
11AX40SISO_Ant0_5190



11AX40SISO_Ant0_5230



11AX80SISO_Ant0_5210





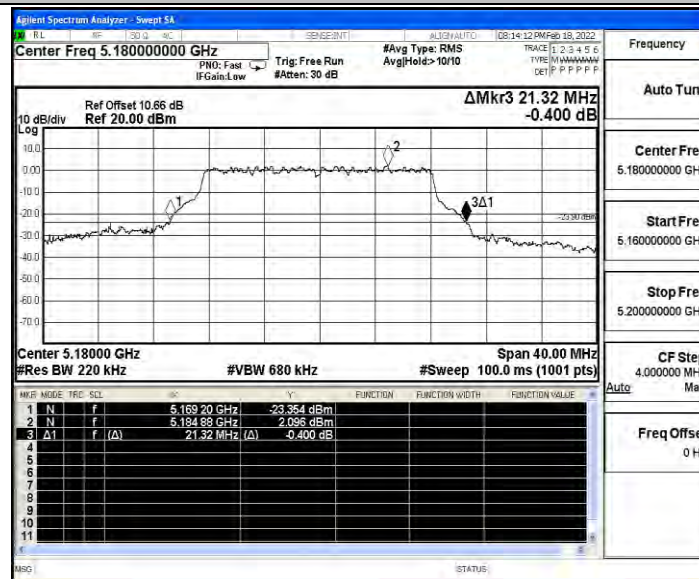
Test Result

TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	21.320	5169.200	5190.520	---	---
		5220	21.280	5209.160	5230.440	---	---
		5240	22.200	5228.240	5250.440	---	---
11N20SISO	Ant1	5180	22.040	5168.600	5190.640	---	---
		5220	22.120	5208.560	5230.680	---	---
		5240	21.880	5228.720	5250.600	---	---
11N40SISO	Ant1	5190	39.760	5169.840	5209.600	---	---
		5230	39.760	5209.920	5249.680	---	---
11AC20SISO	Ant1	5180	28.800	5163.960	5192.760	---	---
		5220	29.080	5203.640	5232.720	---	---
		5240	27.920	5224.160	5252.080	---	---
11AC40SISO	Ant1	5190	43.360	5166.080	5209.440	---	---
		5230	40.080	5209.600	5249.680	---	---
11AC80SISO	Ant1	5210	85.920	5164.560	5250.480	---	---
11AX20SISO	Ant1	5180	21.800	5168.840	5190.640	---	---
		5220	22.000	5208.680	5230.680	---	---
		5240	21.840	5228.880	5250.720	---	---
11AX40SISO	Ant1	5190	40.080	5169.760	5209.840	---	---
		5230	40.640	5209.280	5249.920	---	---
11AX80SISO	Ant1	5210	81.280	5169.200	5250.480	---	---

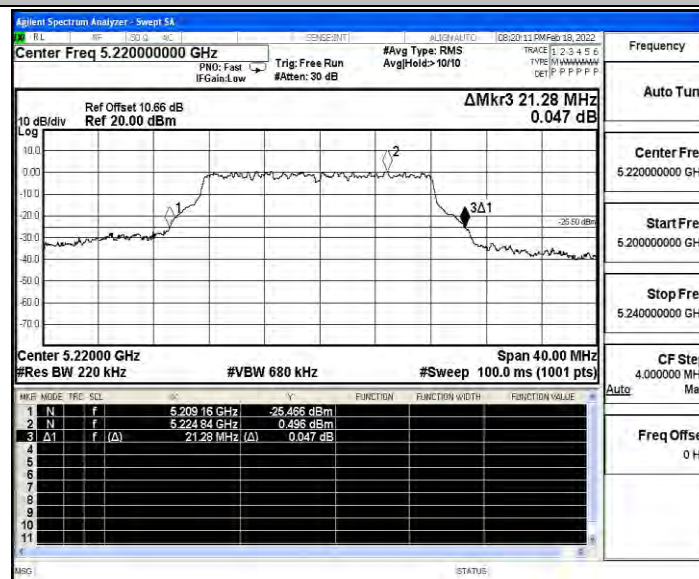


Test Graphs

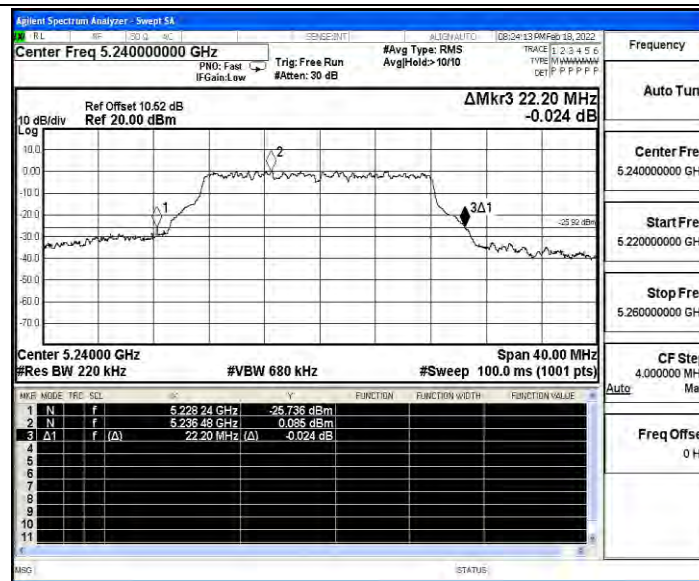
11A_Ant1_5180



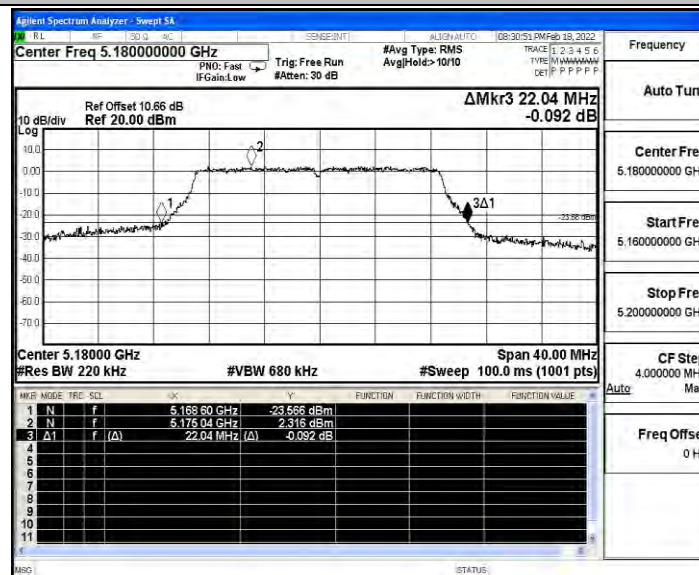
11A_Ant1_5220



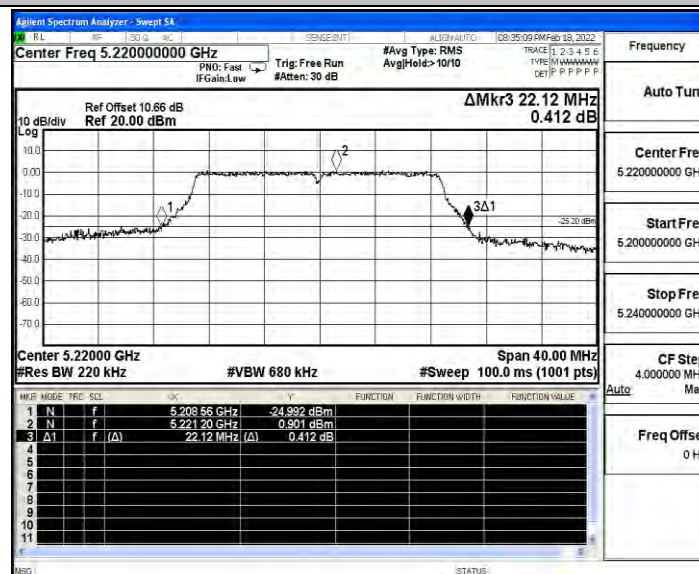
11A_Ant1_5240



11N20SISO_Ant1_5180

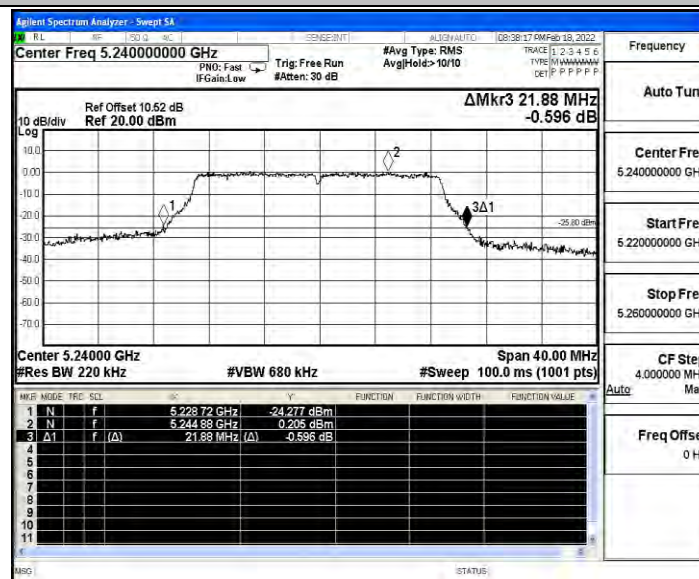


11N20SISO_Ant1_5220

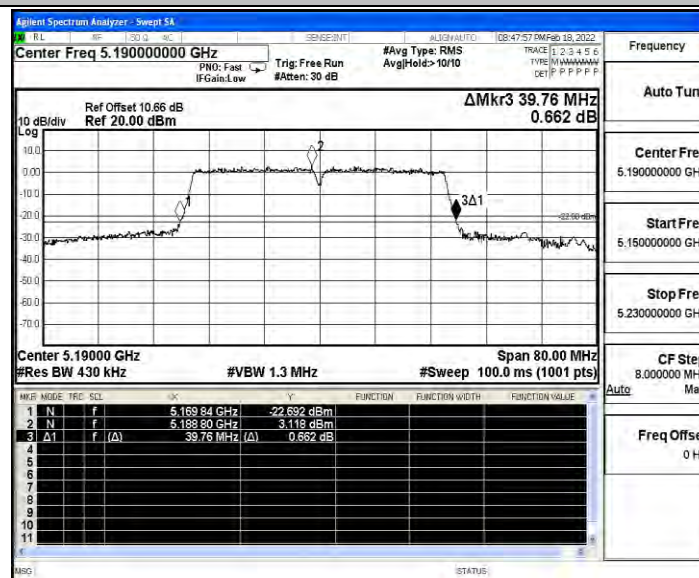




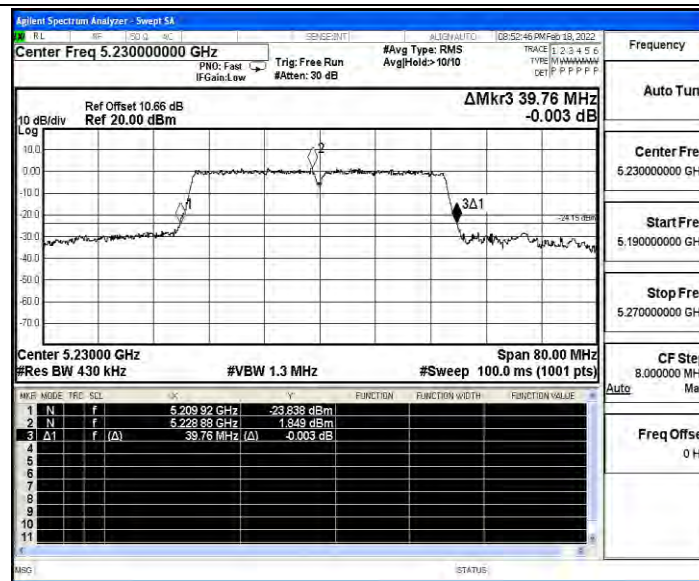
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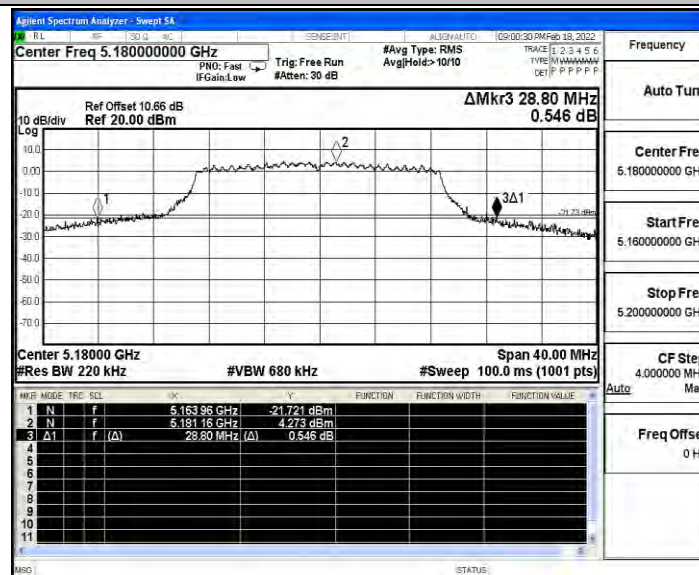
11N40SISO_Ant1_5190



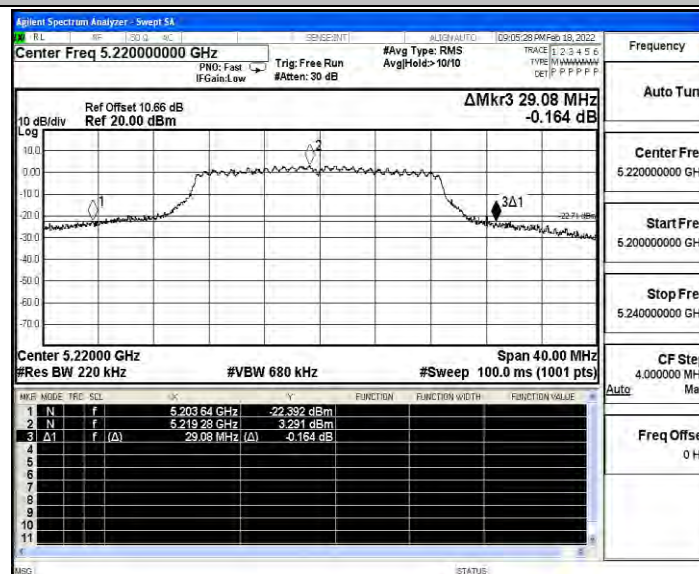
11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180

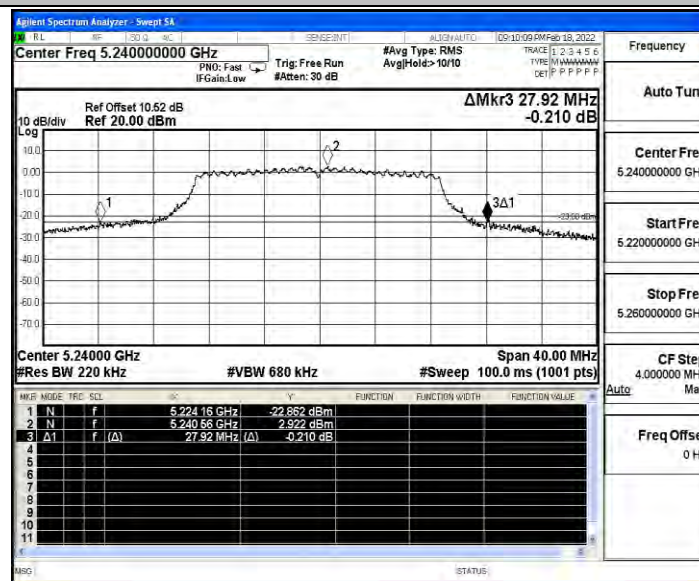


11AC20SISO_Ant1_5220

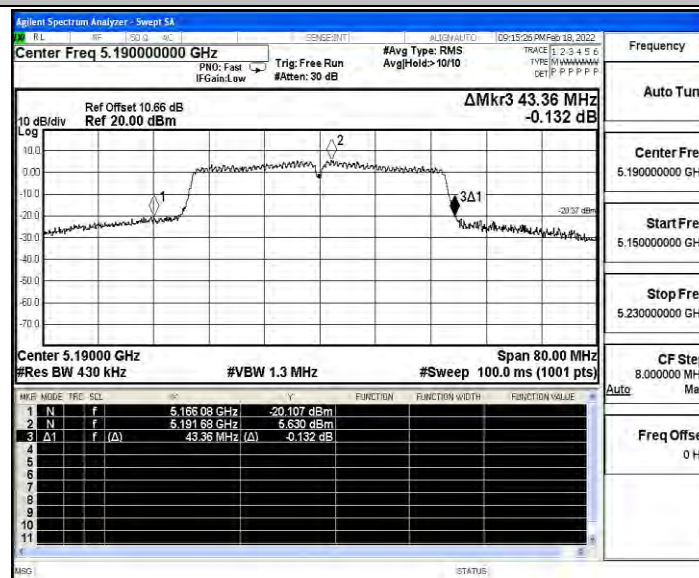




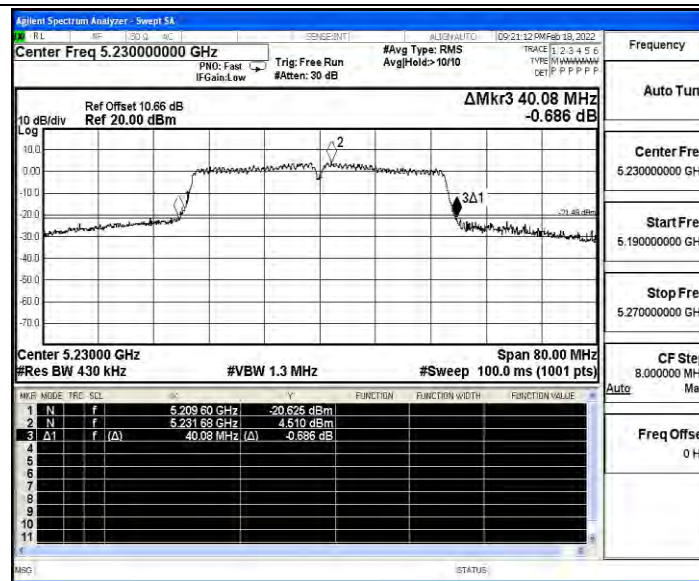
11AC20SISO_Ant1_5240



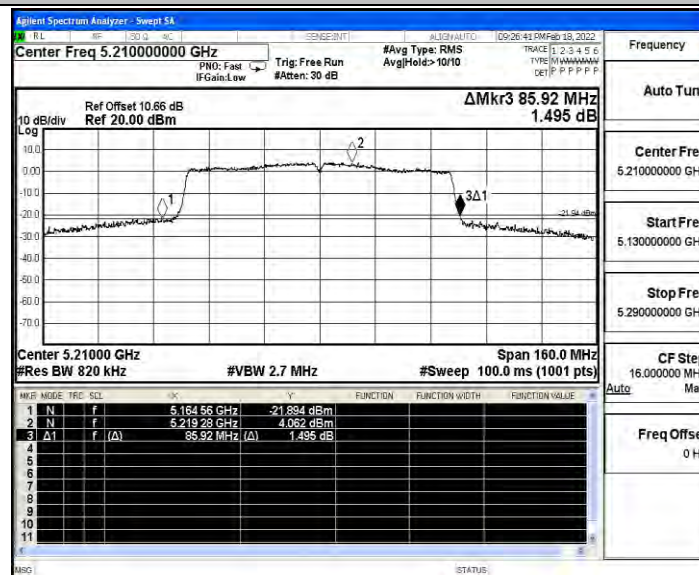
11AC40SISO_Ant1_5190



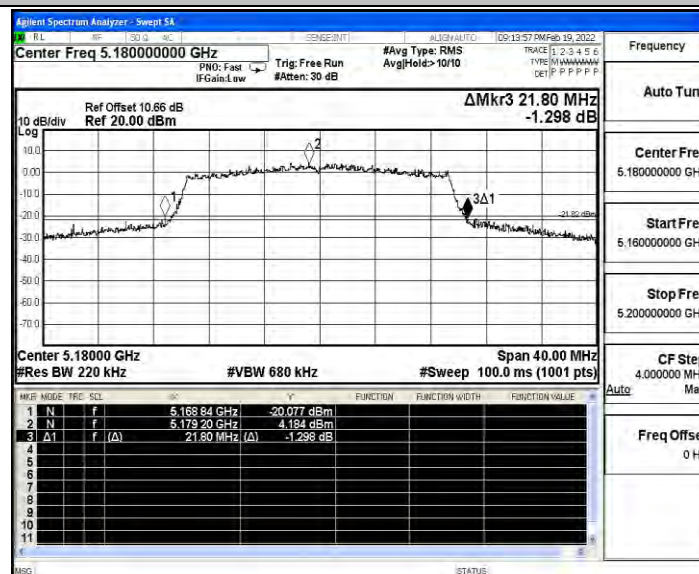
11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210

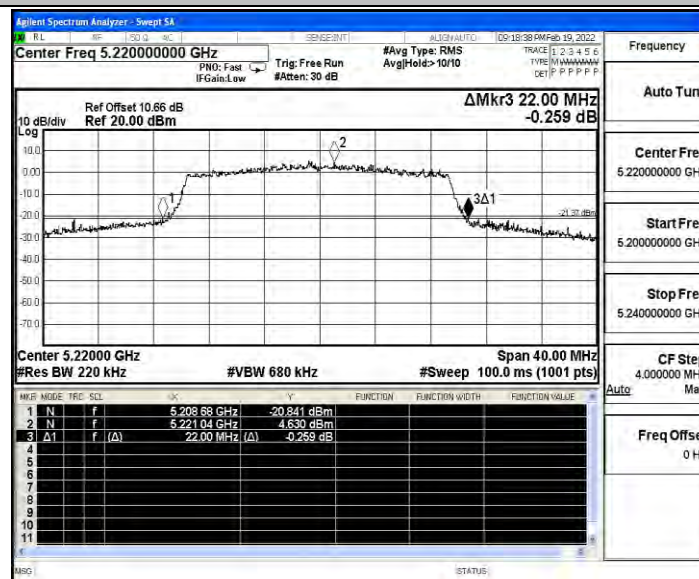


11AX20SISO_Ant1_5180

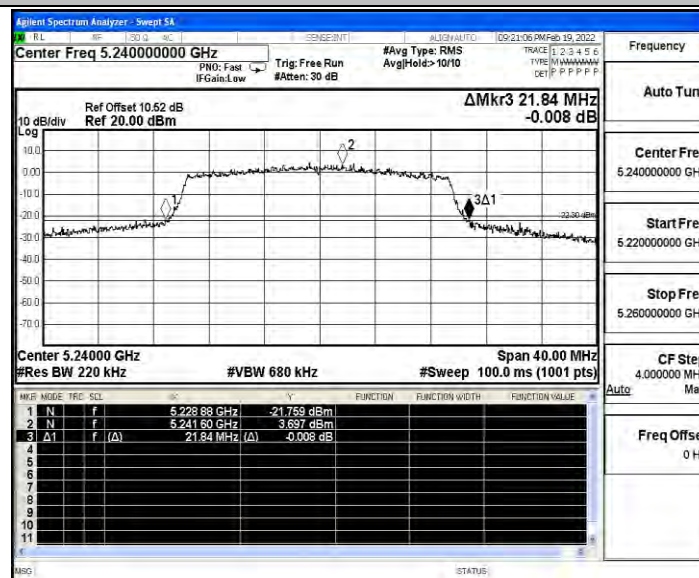




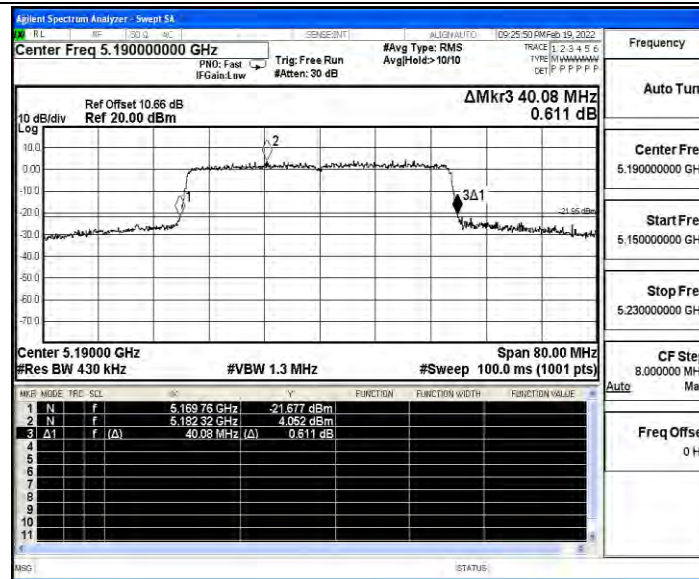
11AX20SISO_Ant1_5220



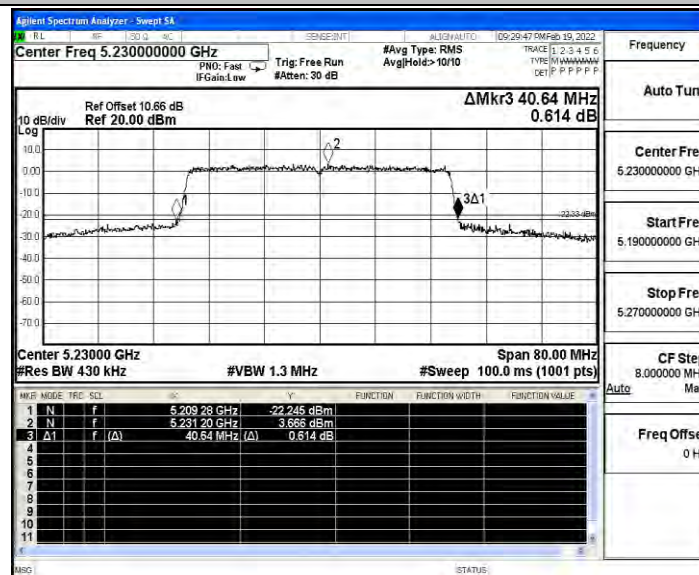
11AX20SISO_Ant1_5240



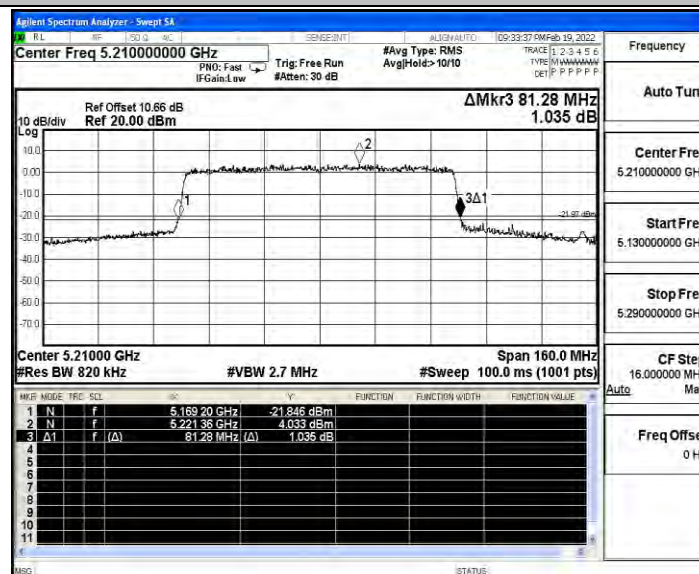
11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



11AX80SISO_Ant1_5210





D.2 Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant0	5180	10.87	24	PASS
		5220	10.96	24	PASS
		5240	10.38	24	PASS
11N20SISO	Ant0	5180	10.89	24	PASS
		5220	10.65	24	PASS
		5240	10.49	24	PASS
11N40SISO	Ant0	5190	11.15	24	PASS
		5230	10.76	24	PASS
11AC20SISO	Ant0	5180	13.17	24	PASS
		5220	12.71	24	PASS
		5240	12.41	24	PASS
11AC40SISO	Ant0	5190	12.36	24	PASS
		5230	11.99	24	PASS
11AC80SISO	Ant0	5210	11.88	24	PASS
11AX20SISO	Ant0	5180	11.12	24	PASS
		5220	11.44	24	PASS
		5240	10.89	24	PASS
11AX40SISO	Ant0	5190	10.83	24	PASS
		5230	10.76	24	PASS
11AX80SISO	Ant0	5210	10.77	24	PASS



TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5180	12.26	24	PASS
		5220	10.65	24	PASS
		5240	10.24	24	PASS
11N20SISO	Ant1	5180	11.84	24	PASS
		5220	10.33	24	PASS
		5240	9.68	24	PASS
11N40SISO	Ant1	5190	11.67	24	PASS
		5230	10.39	24	PASS
11AC20SISO	Ant1	5180	13.73	24	PASS
		5220	12.48	24	PASS
		5240	11.81	24	PASS
11AC40SISO	Ant1	5190	12.63	24	PASS
		5230	11.59	24	PASS
11AC80SISO	Ant1	5210	11.97	24	PASS
11AX20SISO	Ant1	5180	11.13	24	PASS
		5220	11.49	24	PASS
		5240	10.88	24	PASS
11AX40SISO	Ant1	5190	10.93	24	PASS
		5230	10.80	24	PASS
11AX80SISO	Ant1	5210	10.84	24	PASS

MIMO

Condition	Mode	Frequency (MHz)	Total Power (dBm)			Limit (dBm)	Verdict
			Ant 0	Ant 1	MIMO		
NVNT	n20	5180	10.89	11.84	14.40	24	Pass
NVNT	n20	5220	10.65	10.33	13.50	24	Pass
NVNT	n20	5240	10.49	9.68	13.11	24	Pass
NVNT	n40	5190	11.15	11.67	14.43	24	Pass
NVNT	n40	5230	10.76	10.39	13.59	24	Pass
NVNT	ac20	5180	13.17	13.73	16.47	24	Pass
NVNT	ac20	5220	12.71	12.48	15.61	24	Pass
NVNT	ac20	5240	12.41	11.81	15.13	24	Pass
NVNT	ac40	5190	12.36	12.63	15.51	24	Pass
NVNT	ac40	5230	11.99	11.59	14.80	24	Pass
NVNT	ac80	5210	11.88	11.97	14.94	24	Pass
NVNT	ax20	5180	11.12	11.13	14.14	24	Pass
NVNT	ax20	5220	11.44	11.49	14.48	24	Pass
NVNT	ax20	5240	10.89	10.88	13.90	24	Pass
NVNT	ax40	5190	10.83	10.93	13.89	24	Pass
NVNT	ax40	5230	10.76	10.80	13.79	24	Pass
NVNT	ax80	5210	10.77	10.84	13.82	24	Pass

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



D.3 Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant0	5180	-0.16	≤11.00	PASS
		5220	-0.31	≤11.00	PASS
		5240	-0.8	≤11.00	PASS
11N20SISO	Ant0	5180	-0.44	≤11.00	PASS
		5220	-1.14	≤11.00	PASS
		5240	-1.09	≤11.00	PASS
11N40SISO	Ant0	5190	-3.24	≤11.00	PASS
		5230	-3.76	≤11.00	PASS
11AC20SISO	Ant0	5180	2.5	≤11.00	PASS
		5220	2.01	≤11.00	PASS
		5240	1.79	≤11.00	PASS
11AC40SISO	Ant0	5190	-1.1	≤11.00	PASS
		5230	-1.38	≤11.00	PASS
11AC80SISO	Ant0	5210	-4.65	≤11.00	PASS
11AX20SISO	Ant0	5180	0.48	≤11.00	PASS
		5220	0.81	≤11.00	PASS
		5240	0.27	≤11.00	PASS
11AX40SISO	Ant0	5190	-3.96	≤11.00	PASS
		5230	-4.1	≤11.00	PASS
11AX80SISO	Ant0	5210	-4.22	≤11.00	PASS



TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	1.31	≤11.00	PASS
		5220	-0.8	≤11.00	PASS
		5240	-1.16	≤11.00	PASS
11N20SISO	Ant1	5180	0.39	≤11.00	PASS
		5220	-1.24	≤11.00	PASS
		5240	-1.85	≤11.00	PASS
11N40SISO	Ant1	5190	-2.86	≤11.00	PASS
		5230	-3.76	≤11.00	PASS
11AC20SISO	Ant1	5180	3.08	≤11.00	PASS
		5220	1.75	≤11.00	PASS
		5240	1.1	≤11.00	PASS
11AC40SISO	Ant1	5190	-0.78	≤11.00	PASS
		5230	-2.02	≤11.00	PASS
11AC80SISO	Ant1	5210	-4.7	≤11.00	PASS
11AX20SISO	Ant1	5180	0.5	≤11.00	PASS
		5220	0.91	≤11.00	PASS
		5240	0.25	≤11.00	PASS
11AX40SISO	Ant1	5190	-3.84	≤11.00	PASS
		5230	-4.12	≤11.00	PASS
11AX80SISO	Ant1	5210	-6.87	≤11.00	PASS



MIMO

Condition	Mode	Frequency (MHz)	Total PSD (dBm)			Limit (dBm)	Verdict
			Ant 0	Ant 1	MIMO		
NVNT	n20	5180	-0.44	0.39	3.01	11	Pass
NVNT	n20	5220	-1.14	-1.24	1.82	11	Pass
NVNT	n20	5240	-1.09	-1.85	1.56	11	Pass
NVNT	n40	5190	-3.24	-2.86	-0.04	11	Pass
NVNT	n40	5230	-3.76	-3.76	-0.75	11	Pass
NVNT	ac20	5180	2.5	3.08	5.81	11	Pass
NVNT	ac20	5220	2.01	1.75	4.89	11	Pass
NVNT	ac20	5240	1.79	1.1	4.47	11	Pass
NVNT	ac40	5190	-1.1	-0.78	2.07	11	Pass
NVNT	ac40	5230	-1.38	-2.02	1.32	11	Pass
NVNT	ac80	5210	-4.65	-4.7	-1.66	11	Pass
NVNT	ax20	5180	0.48	0.5	3.50	11	Pass
NVNT	ax20	5220	0.81	0.91	3.87	11	Pass
NVNT	ax20	5240	0.27	0.25	3.27	11	Pass
NVNT	ax40	5190	-3.96	-3.84	-0.89	11	Pass
NVNT	ax40	5230	-4.1	-4.12	-1.10	11	Pass
NVNT	ax80	5210	-4.22	-6.87	-2.34	11	Pass

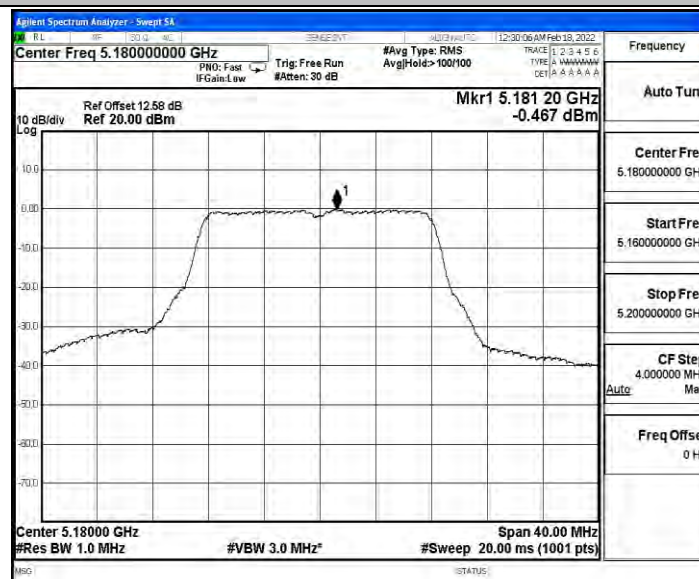
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

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

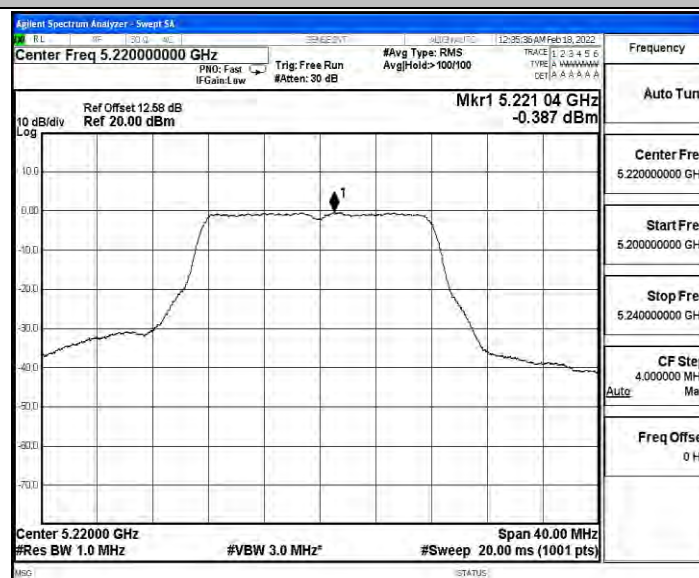


Test Graphs

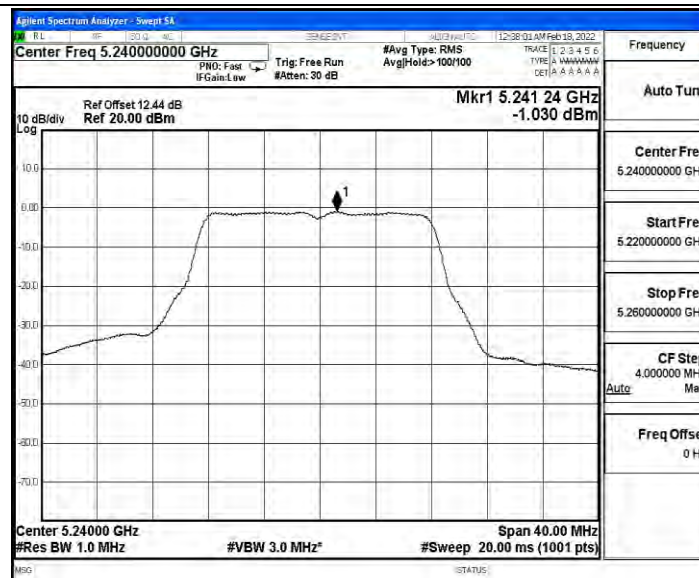
11A_Ant0_5180



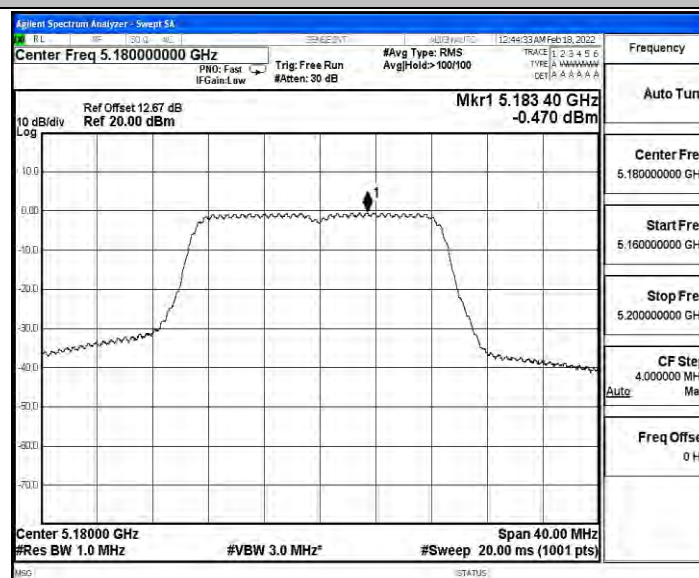
11A_Ant0_5220



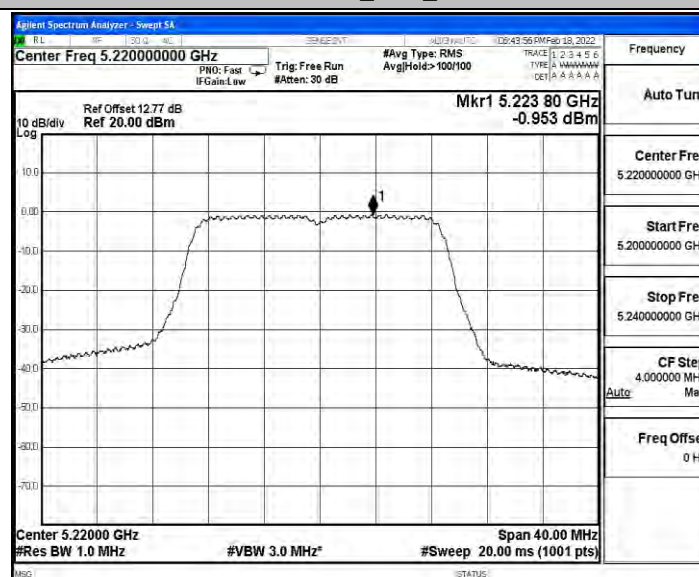
11A_Ant0_5240



11N20SISO_Ant0_5180

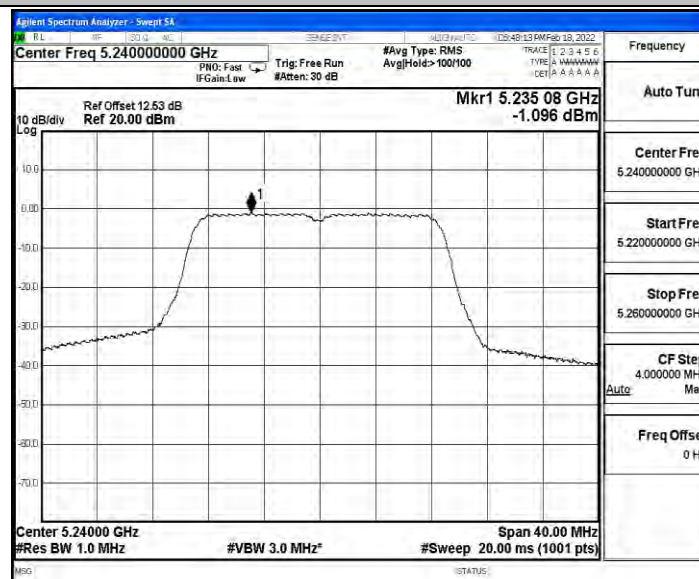


11N20SISO_Ant0_5220

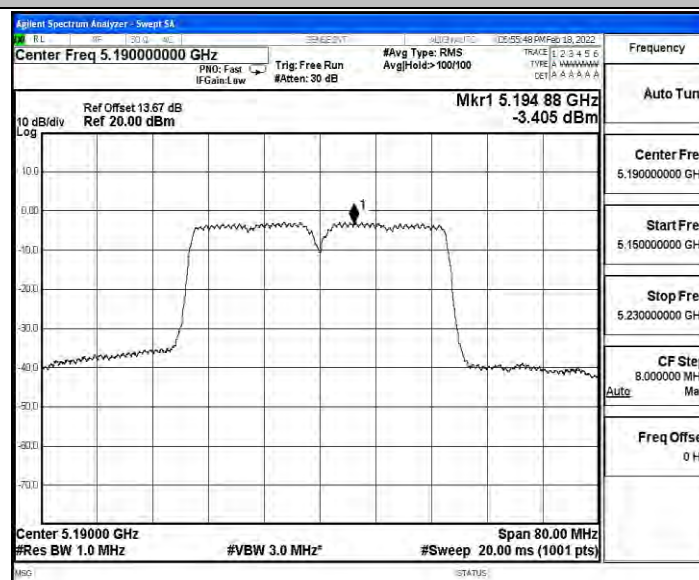




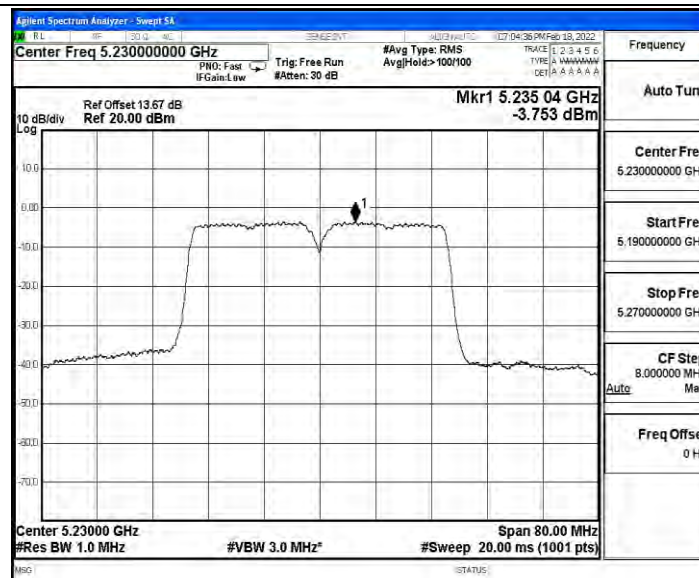
11N20SISO_Ant0_5240



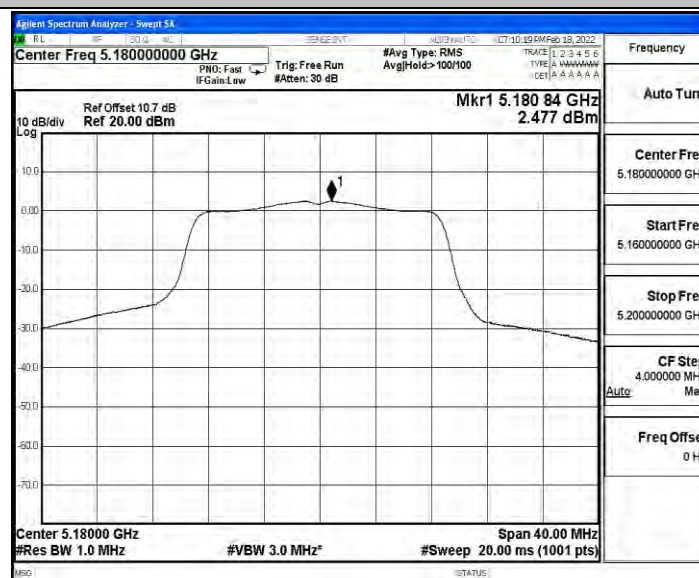
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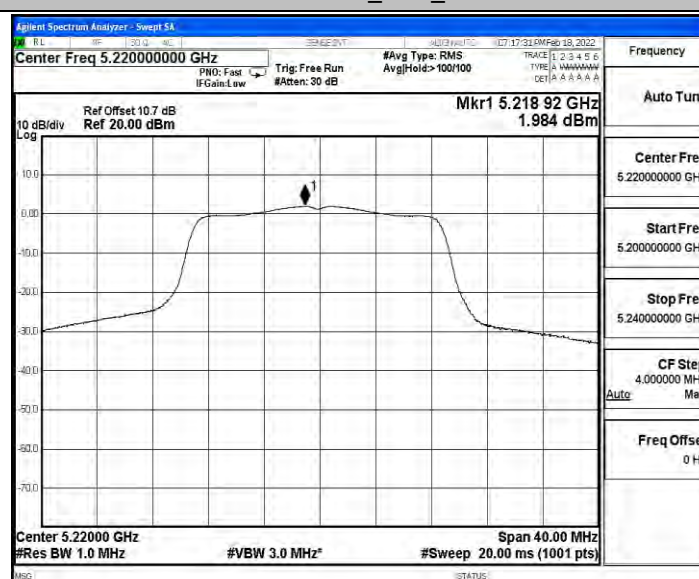
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11AC20SISO_Ant0_5180

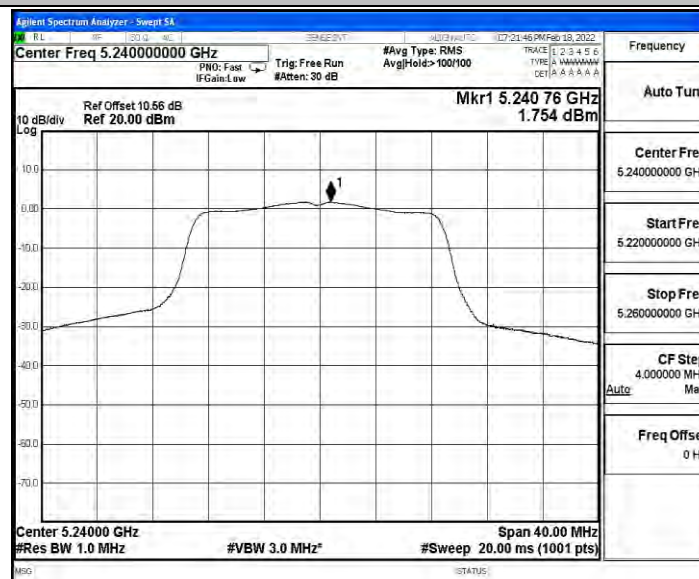


11AC20SISO_Ant0_5220

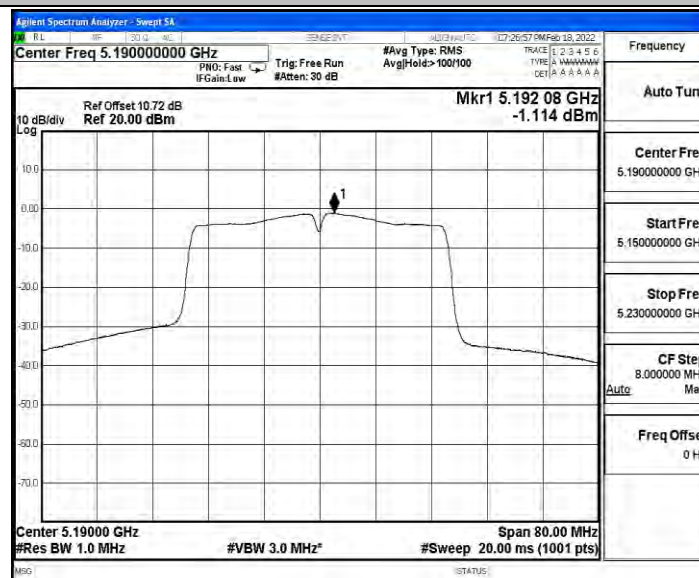




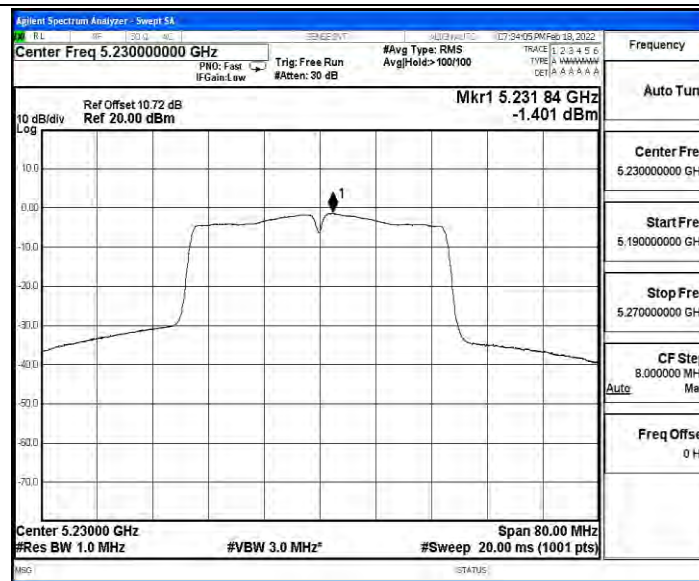
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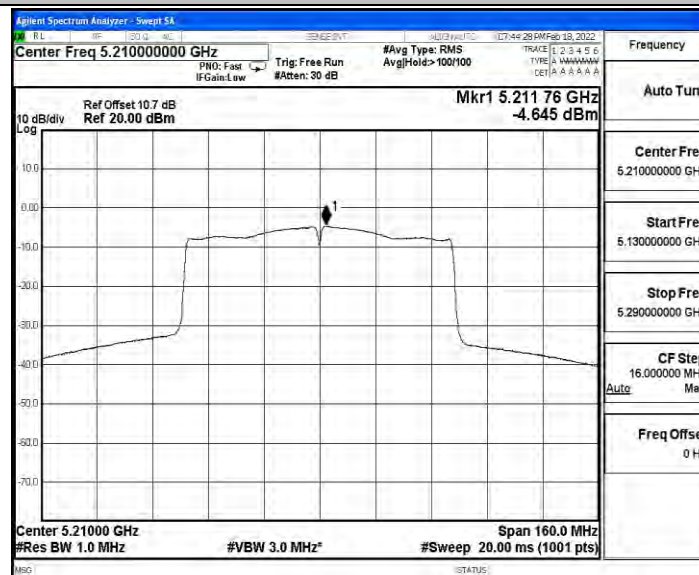
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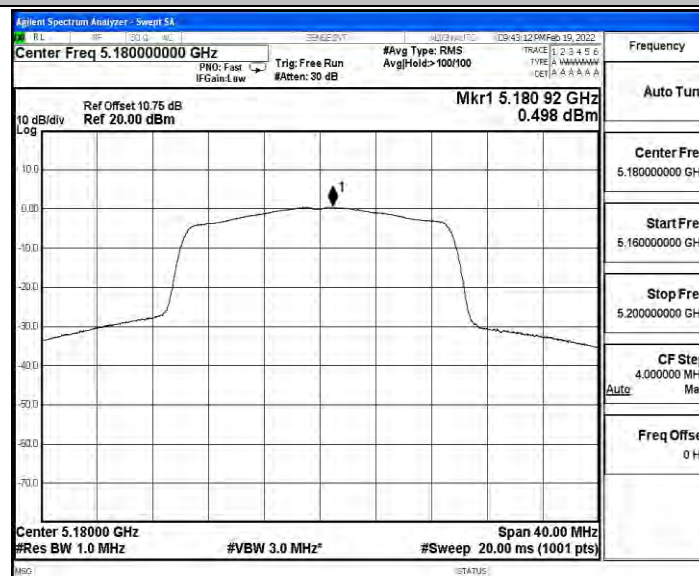
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11AC80SISO_Ant0_5210

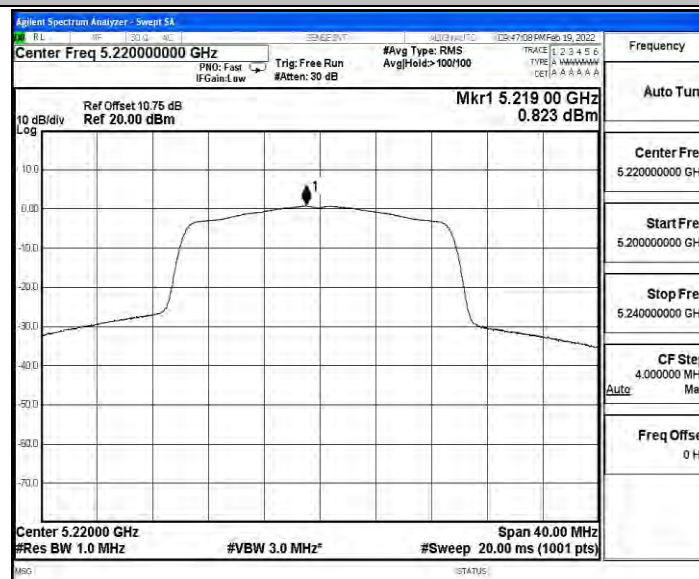


11AX20SISO_Ant0_5180

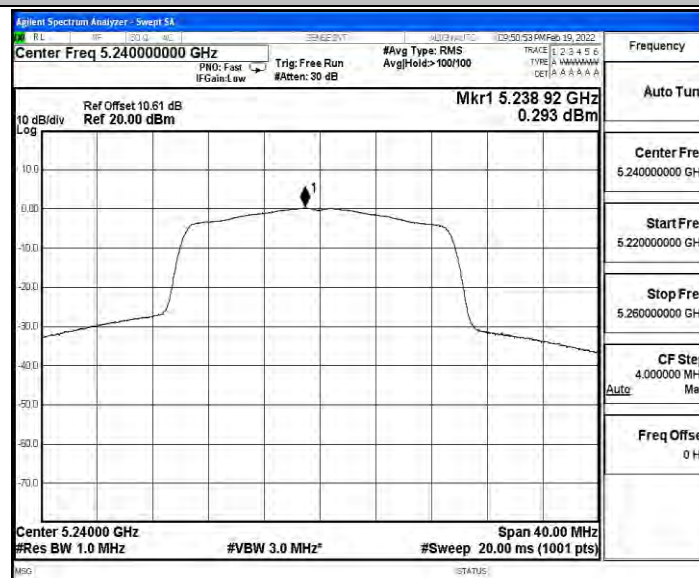




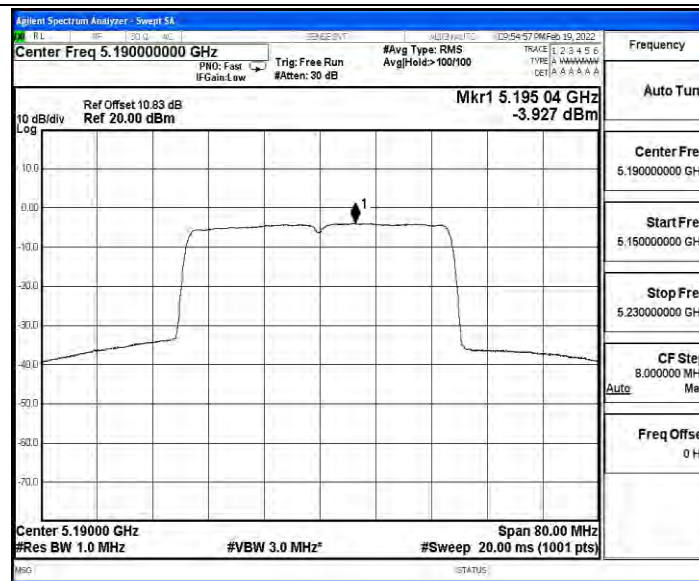
11AX20SISO_Ant0_5220



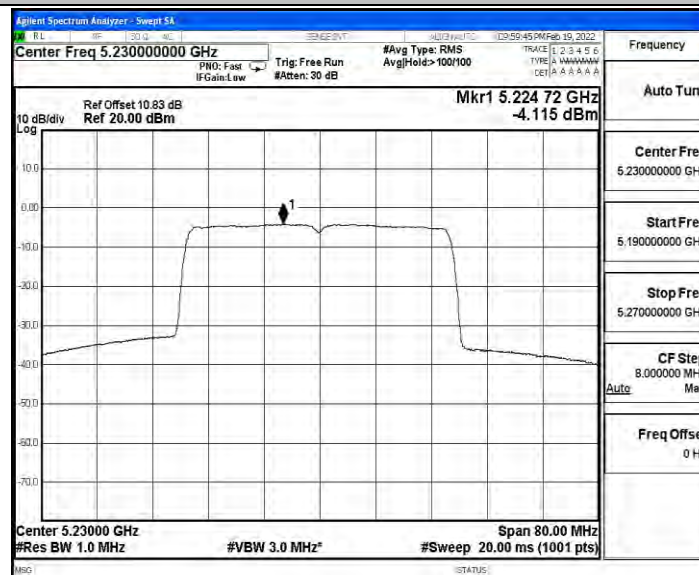
11AX20SISO_Ant0_5240



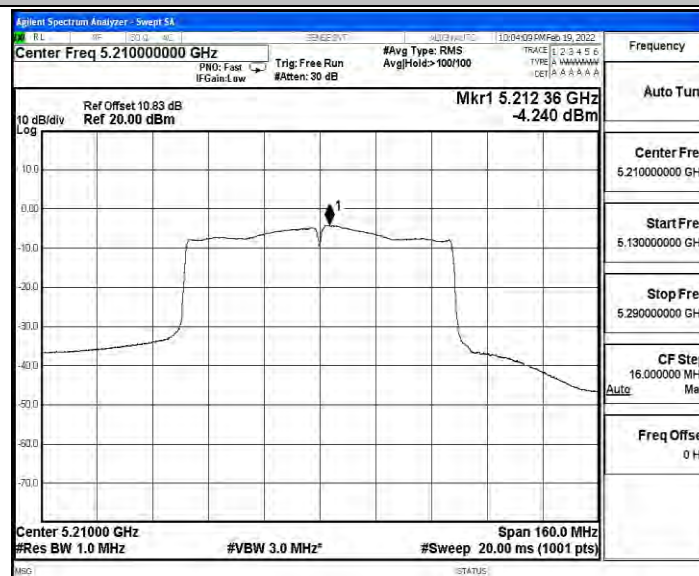
11AX40SISO_Ant0_5190



11AX40SISO_Ant0_5230



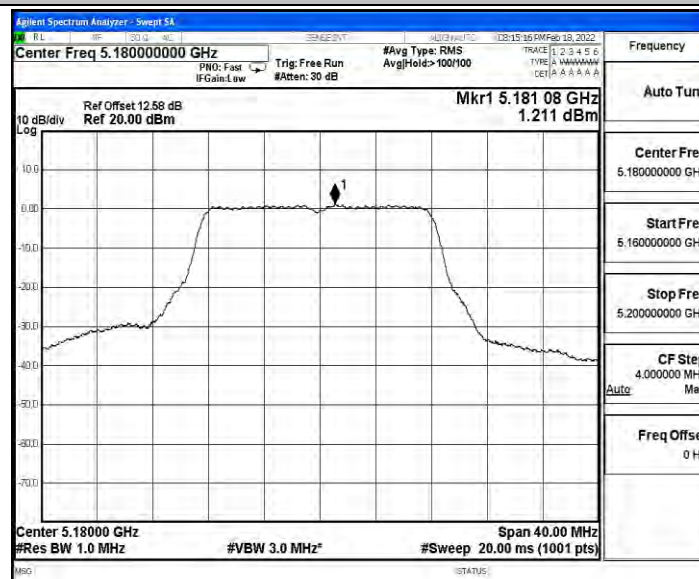
11AX80SISO_Ant0_5210



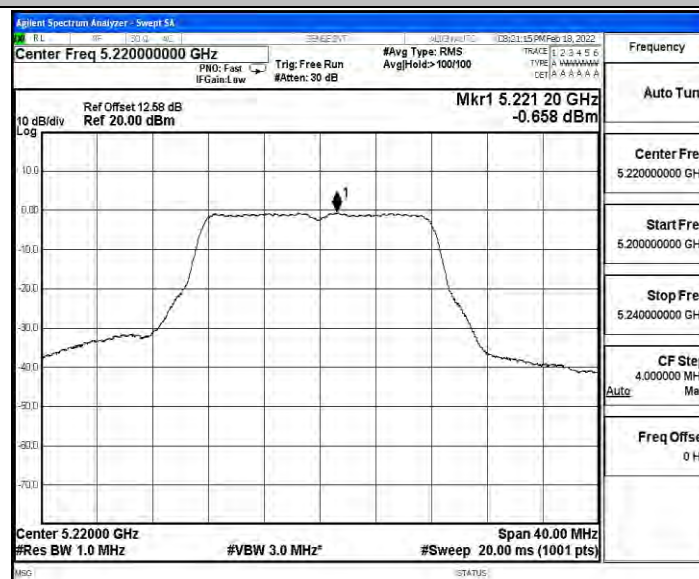


Test Graphs

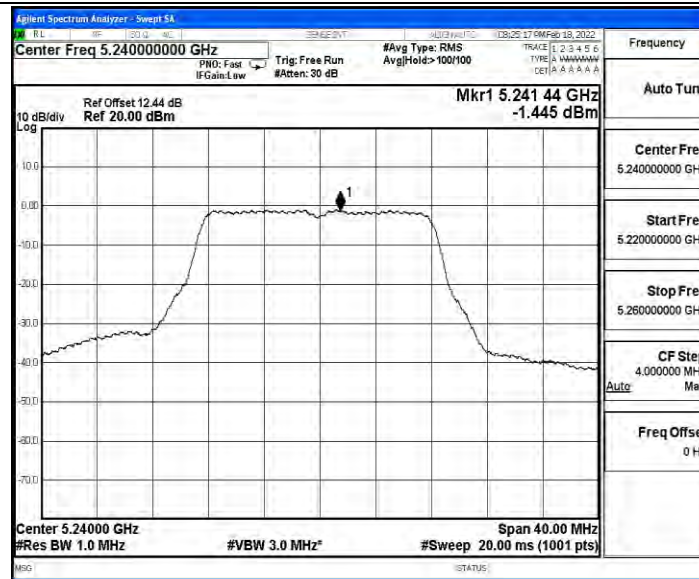
11A_Ant1_5180



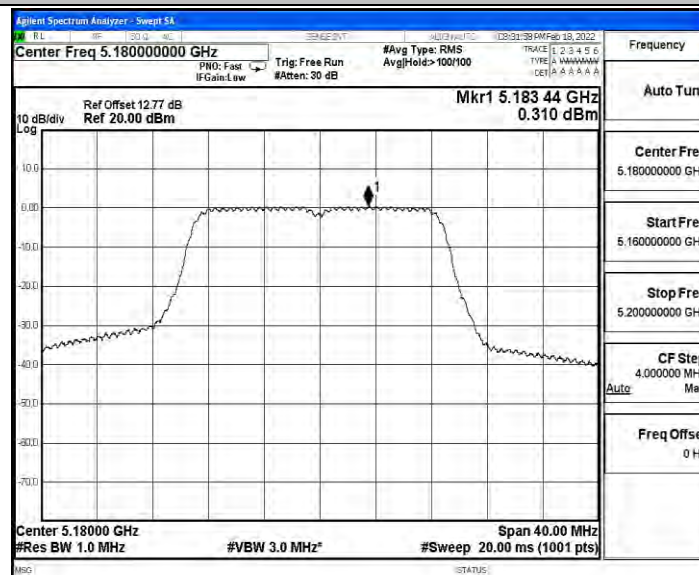
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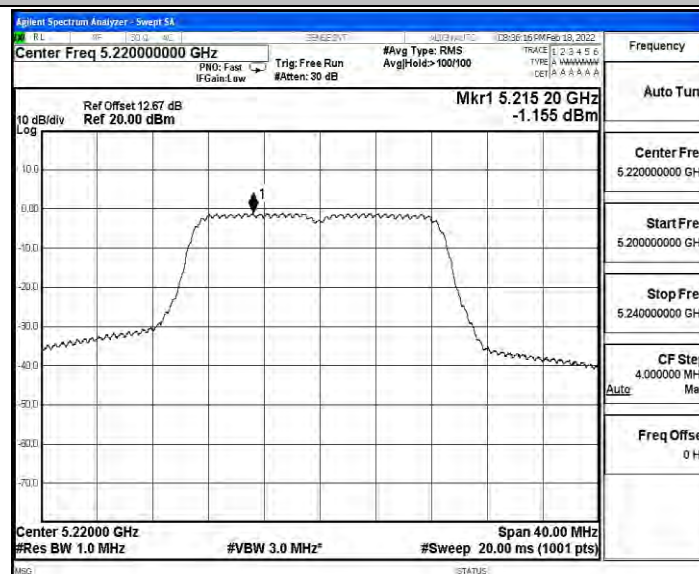
11A_Ant1_5240



11N20SISO_Ant1_5180

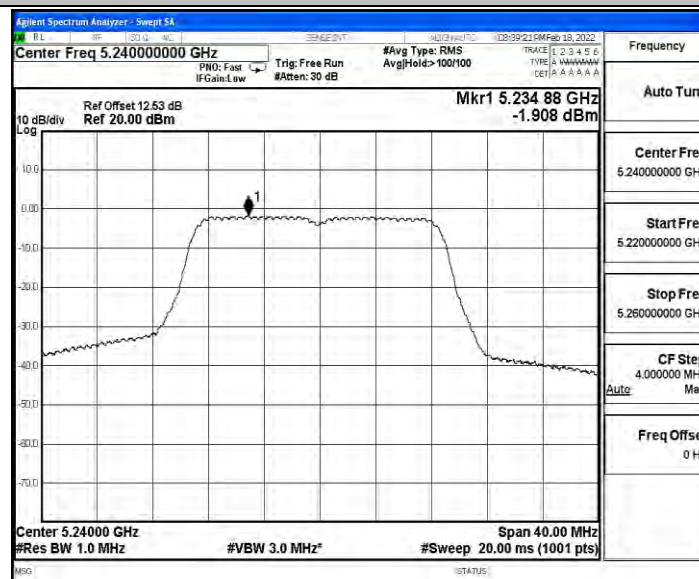


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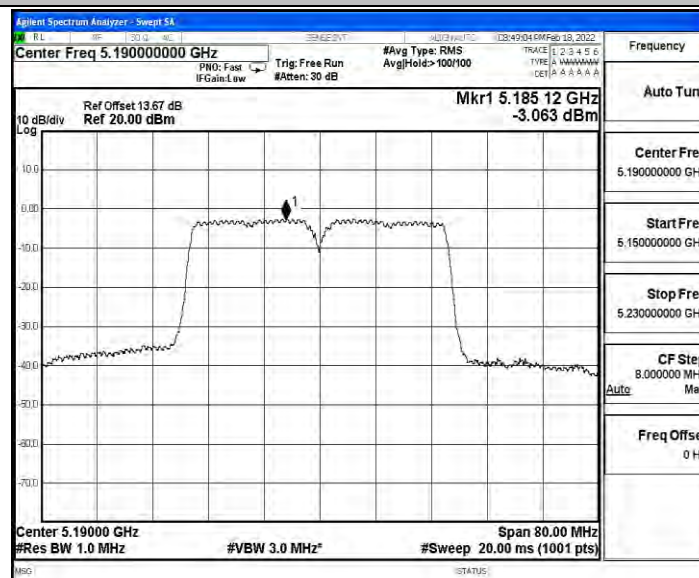




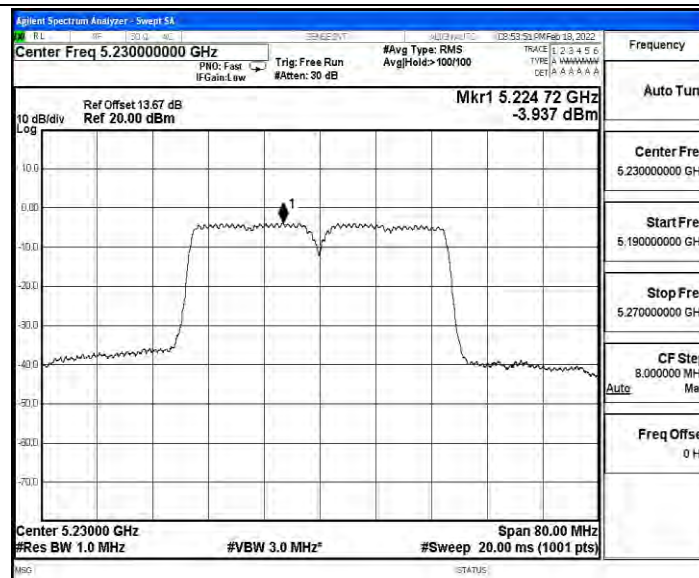
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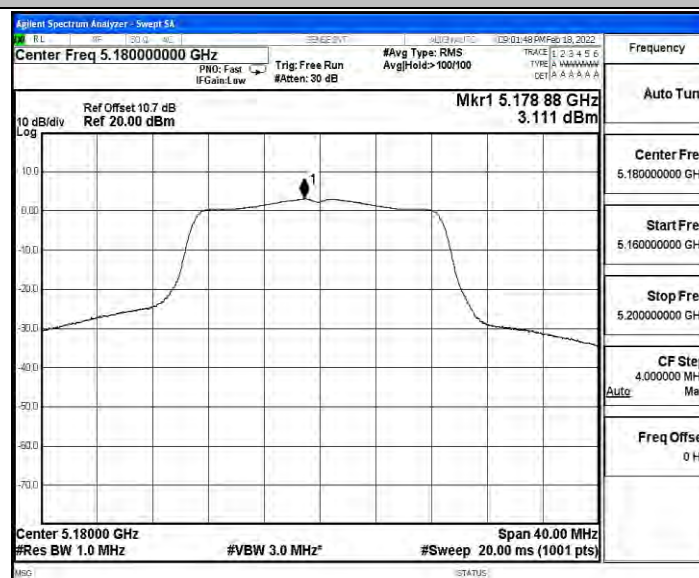
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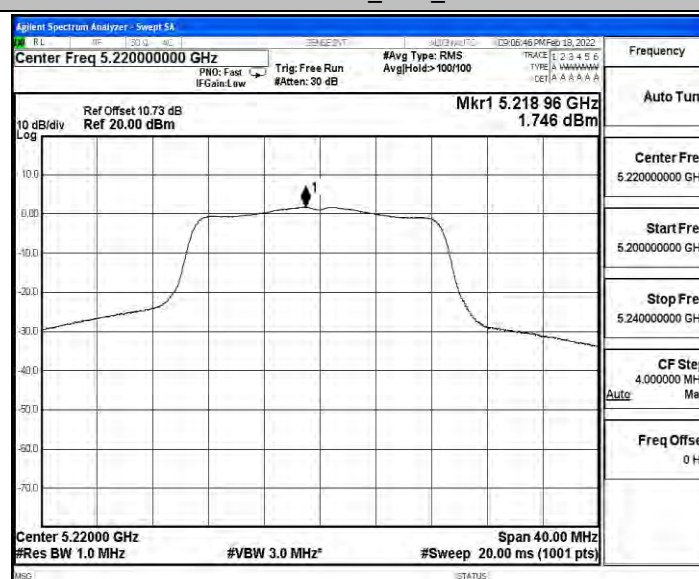
11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180

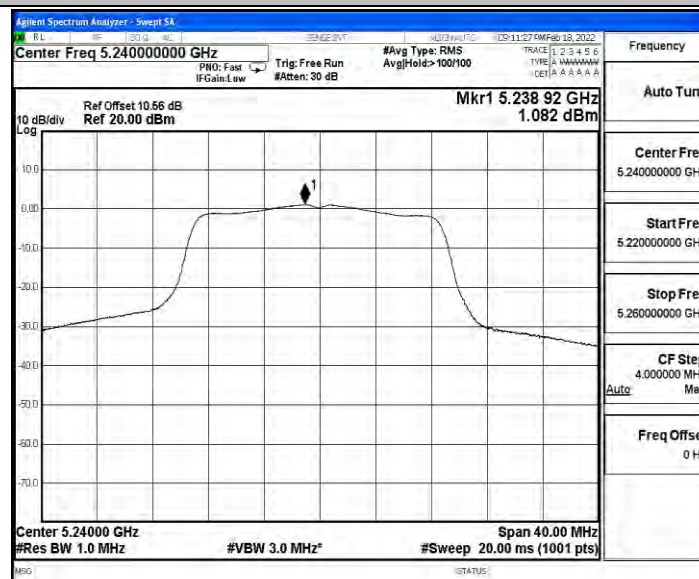


11AC20SISO_Ant1_5220

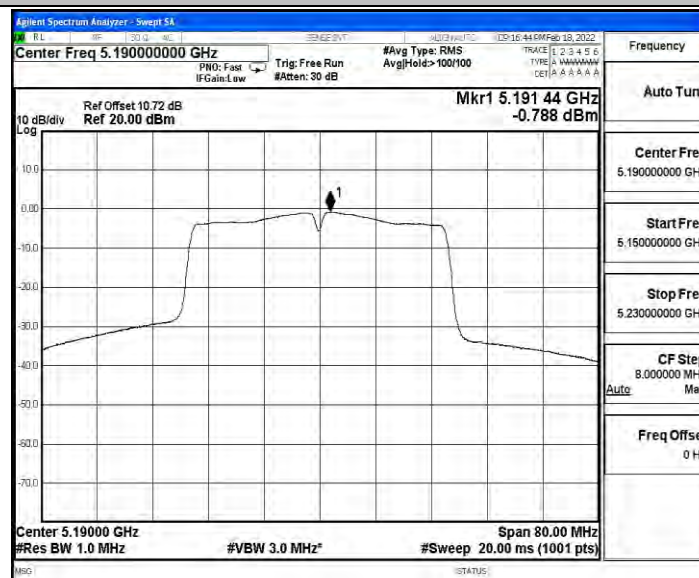




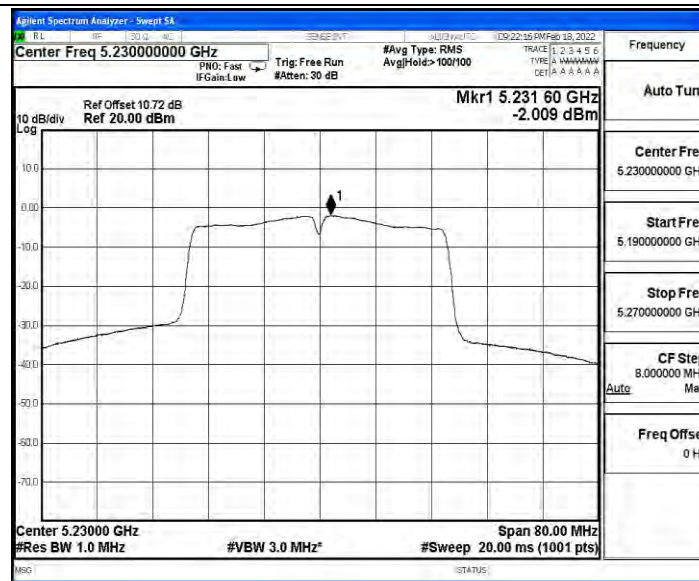
11AC20SISO_Ant1_5240



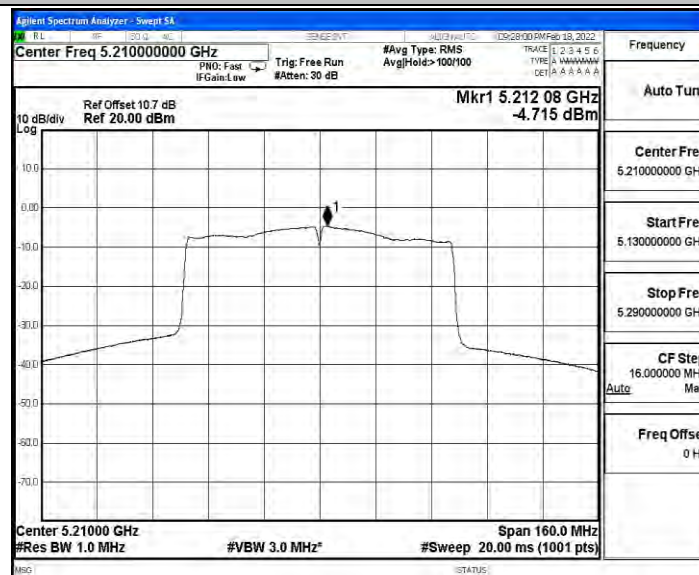
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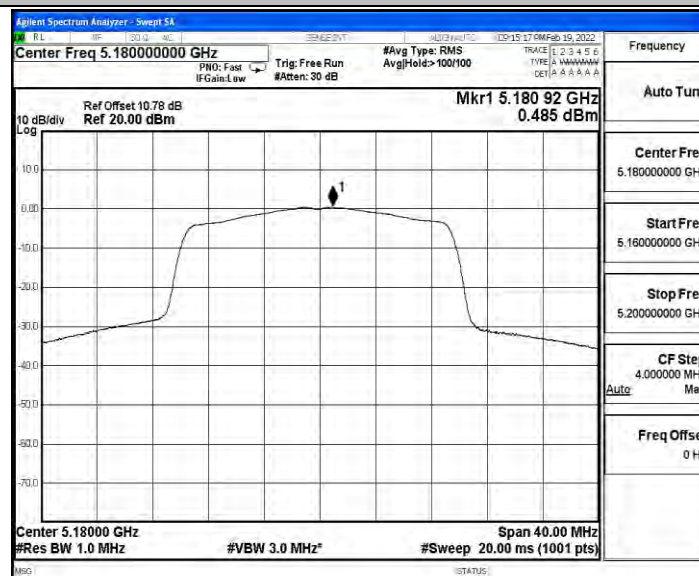
11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210

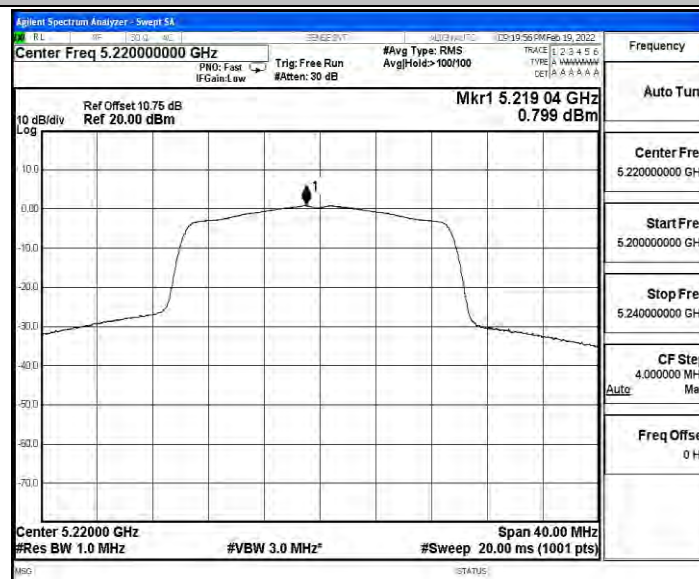


11AX20SISO_Ant1_5180

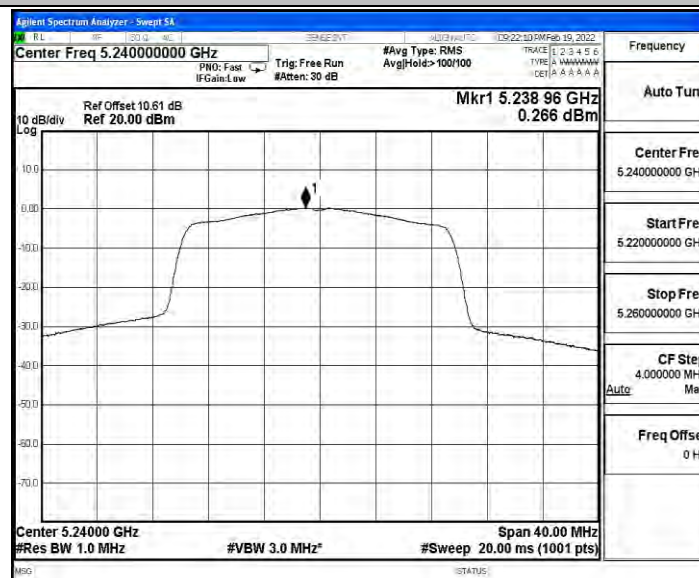




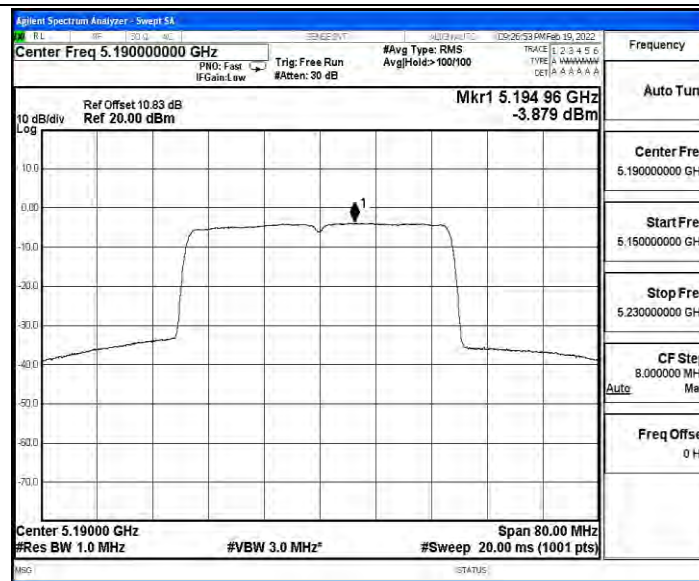
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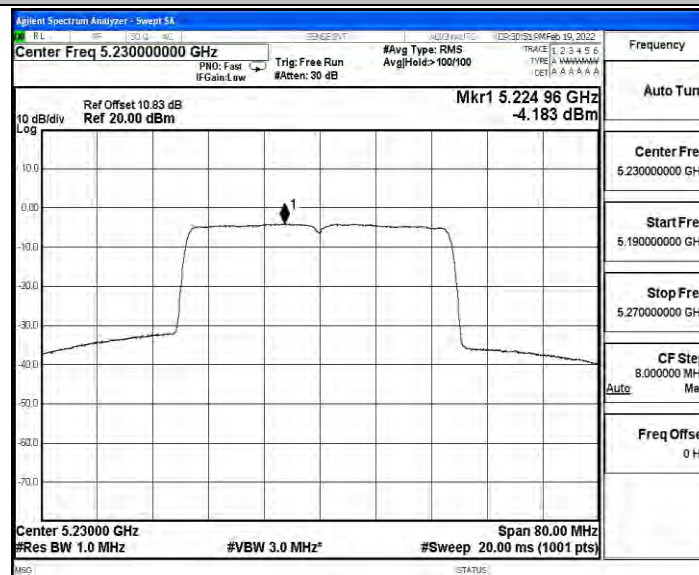
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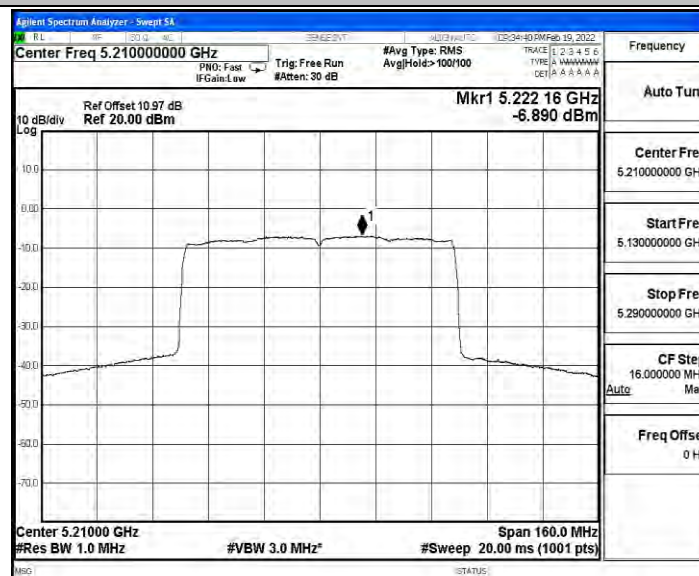
11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



11AX80SISO_Ant1_5210





D.4 Emissions in Restricted Bands

Test Result

TestMode	Antenna	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11A	Ant0	5180	AV	4500.000	-48.22	≤-41.20	46.98	≤54	PASS
			AV	4819.200	-45.63	≤-41.20	49.57	≤54	PASS
			AV	5150.000	-46.34	≤-41.20	48.86	≤54	PASS
			Peak	4500.000	-40.24	≤-21.20	54.96	≤74	PASS
			Peak	4938.200	-36.64	≤-21.20	58.56	≤74	PASS
			Peak	5150.000	-38.85	≤-21.20	56.35	≤74	PASS
		5240	AV	5350.000	-46.64	≤-41.20	48.56	≤54	PASS
			AV	5402.160	-46.12	≤-41.20	49.08	≤54	PASS
			AV	5460.000	-46.8	≤-41.20	48.40	≤54	PASS
			Peak	5350.000	-40.13	≤-21.20	55.07	≤74	PASS
			Peak	5383.920	-37.45	≤-21.20	57.75	≤74	PASS
			Peak	5460.000	-39.6	≤-21.20	55.60	≤74	PASS
11N20SIS O	Ant0	5180	AV	4500.000	-48.48	≤-41.20	46.72	≤54	PASS
			AV	4829.700	-45.77	≤-41.20	49.43	≤54	PASS
			AV	5150.000	-46.37	≤-41.20	48.83	≤54	PASS
			Peak	4500.000	-40.69	≤-21.20	54.51	≤74	PASS
			Peak	5148.200	-36.76	≤-21.20	58.44	≤74	PASS
			Peak	5150.000	-38.01	≤-21.20	57.19	≤74	PASS
		5240	AV	5350.000	-46.83	≤-41.20	48.37	≤54	PASS
			AV	5409.360	-45.95	≤-41.20	49.25	≤54	PASS
			AV	5460.000	-46.68	≤-41.20	48.52	≤54	PASS
			Peak	5350.000	-38.45	≤-21.20	56.75	≤74	PASS
			Peak	5401.200	-36.82	≤-21.20	58.38	≤74	PASS
			Peak	5460.000	-39.25	≤-21.20	55.95	≤74	PASS
11N40SIS O	Ant0	5190	AV	4500.000	-48.08	≤-41.20	47.12	≤54	PASS
			AV	4806.600	-44.66	≤-41.20	50.54	≤54	PASS
			AV	5150.000	-45.15	≤-41.20	50.05	≤54	PASS
			Peak	4500.000	-41.31	≤-21.20	53.89	≤74	PASS
			Peak	4812.200	-36.62	≤-21.20	58.58	≤74	PASS
			Peak	5150.000	-38.05	≤-21.20	57.15	≤74	PASS
		5230	AV	5350.000	-46.07	≤-41.20	49.13	≤54	PASS
			AV	5411.120	-45.21	≤-41.20	49.99	≤54	PASS
			AV	5460.000	-46.2	≤-41.20	49.00	≤54	PASS
			Peak	5350.000	-39.49	≤-21.20	55.71	≤74	PASS
			Peak	5408.260	-36.9	≤-21.20	58.30	≤74	PASS
			Peak	5460.000	-39.19	≤-21.20	56.01	≤74	PASS
11AC20SI	Ant0	5180	AV	4500.000	-47.71	≤-41.20	47.49	≤54	PASS



SO			AV	4841.600	-45.06	≤-41.20	50.14	≤54	PASS
			AV	5150.000	-46.16	≤-41.20	49.04	≤54	PASS
			Peak	4500.000	-40.9	≤-21.20	54.30	≤74	PASS
			Peak	4895.500	-36.12	≤-21.20	59.08	≤74	PASS
			Peak	5150.000	-38.98	≤-21.20	56.22	≤74	PASS
		5240	AV	5350.000	-46.16	≤-41.20	49.04	≤54	PASS
			AV	5377.680	-45.65	≤-41.20	49.55	≤54	PASS
			AV	5460.000	-46.55	≤-41.20	48.65	≤54	PASS
			Peak	5350.000	-39.05	≤-21.20	56.15	≤74	PASS
			Peak	5430.960	-36.82	≤-21.20	58.38	≤74	PASS
			Peak	5460.000	-39.68	≤-21.20	55.52	≤74	PASS
11AC40SI SO	Ant0	5190	AV	4500.000	-47.85	≤-41.20	47.35	≤54	PASS
			AV	4847.200	-45.17	≤-41.20	50.03	≤54	PASS
			AV	5150.000	-45.4	≤-41.20	49.80	≤54	PASS
			Peak	4500.000	-39.58	≤-21.20	55.62	≤74	PASS
			Peak	5083.800	-36.83	≤-21.20	58.37	≤74	PASS
			Peak	5150.000	-38.66	≤-21.20	56.54	≤74	PASS
		5230	AV	5350.000	-46.43	≤-41.20	48.77	≤54	PASS
			AV	5453.240	-45.44	≤-41.20	49.76	≤54	PASS
			AV	5460.000	-46.21	≤-41.20	48.99	≤54	PASS
			Peak	5350.000	-39.8	≤-21.20	55.40	≤74	PASS
			Peak	5447.000	-35.95	≤-21.20	59.25	≤74	PASS
			Peak	5460.000	-39.32	≤-21.20	55.88	≤74	PASS
11AC80SI SO	Ant0	5210	AV	4500.000	-47.99	≤-41.20	47.21	≤54	PASS
			AV	5139.750	-44.89	≤-41.20	50.31	≤54	PASS
			AV	5150.000	-45.05	≤-41.20	50.15	≤54	PASS
			Peak	4500.000	-40.56	≤-21.20	54.64	≤74	PASS
			Peak	4890.750	-36.84	≤-21.20	58.36	≤74	PASS
			Peak	5150.000	-37.04	≤-21.20	58.16	≤74	PASS
		5210	AV	5350.000	-46.16	≤-41.20	49.04	≤54	PASS
			AV	5400.920	-45.33	≤-41.20	49.87	≤54	PASS
			AV	5460.000	-46.36	≤-41.20	48.84	≤54	PASS
			Peak	5350.000	-39.66	≤-21.20	55.54	≤74	PASS
			Peak	5433.120	-37.19	≤-21.20	58.01	≤74	PASS
			Peak	5460.000	-38.92	≤-21.20	56.28	≤74	PASS
11AX20SI SO	Ant0	5180	AV	4500.000	-57.29	≤-41.20	37.91	≤54	PASS
			AV	5148.900	-53.95	≤-41.20	41.25	≤54	PASS
			AV	5150.000	-53.39	≤-41.20	41.81	≤54	PASS
			Peak	4500.000	-49.33	≤-21.20	45.87	≤74	PASS
			Peak	5148.200	-44.58	≤-21.20	50.62	≤74	PASS
			Peak	5150.000	-46.28	≤-21.20	48.92	≤74	PASS
		5240	AV	5350.000	-56.48	≤-41.20	38.72	≤54	PASS
			AV	5425.680	-55.33	≤-41.20	39.87	≤54	PASS



			AV	5460.000	-56.34	≤ -41.20	38.86	≤ 54	PASS
			Peak	5350.000	-48.93	≤ -21.20	46.27	≤ 74	PASS
			Peak	5432.880	-47.15	≤ -21.20	48.05	≤ 74	PASS
			Peak	5460.000	-48.8	≤ -21.20	46.40	≤ 74	PASS
11AX40SI SO	Ant0	5190	AV	4500.000	-58.66	≤ -41.20	36.54	≤ 54	PASS
			AV	5149.600	-53.77	≤ -41.20	41.43	≤ 54	PASS
			AV	5150.000	-53.67	≤ -41.20	41.53	≤ 54	PASS
			Peak	4500.000	-49.33	≤ -21.20	45.87	≤ 74	PASS
			Peak	5139.100	-41.61	≤ -21.20	53.59	≤ 74	PASS
			Peak	5150.000	-40.46	≤ -21.20	54.74	≤ 74	PASS
		5230	AV	5350.000	-57.54	≤ -41.20	37.66	≤ 54	PASS
			AV	5437.640	-57.07	≤ -41.20	38.13	≤ 54	PASS
			AV	5460.000	-57.74	≤ -41.20	37.46	≤ 54	PASS
			Peak	5350.000	-49.62	≤ -21.20	45.58	≤ 74	PASS
			Peak	5389.540	-47.36	≤ -21.20	47.84	≤ 74	PASS
			Peak	5460.000	-49.61	≤ -21.20	45.59	≤ 74	PASS
11AX80SI SO	Ant0	5210	AV	4500.000	-58.62	≤ -41.20	36.58	≤ 54	PASS
			AV	5148.000	-50.91	≤ -41.20	44.29	≤ 54	PASS
			AV	5150.000	-50.87	≤ -41.20	44.33	≤ 54	PASS
			Peak	4500.000	-49.08	≤ -21.20	46.12	≤ 74	PASS
			Peak	5138.250	-37.95	≤ -21.20	57.25	≤ 74	PASS
			Peak	5150.000	-40.18	≤ -21.20	55.02	≤ 74	PASS
		5210	AV	5350.000	-57.53	≤ -41.20	37.67	≤ 54	PASS
			AV	5438.440	-57.22	≤ -41.20	37.98	≤ 54	PASS
			AV	5460.000	-57.71	≤ -41.20	37.49	≤ 54	PASS
			Peak	5350.000	-49.24	≤ -21.20	45.96	≤ 74	PASS
			Peak	5433.680	-47.37	≤ -21.20	47.83	≤ 74	PASS
			Peak	5460.000	-49.81	≤ -21.20	45.39	≤ 74	PASS

**Test Result**

TestMode	Antenna	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11A	Ant1	5180	AV	4500.000	-48.29	≤-41.20	46.91	≤54	PASS
			AV	4827.600	-45.81	≤-41.20	49.39	≤54	PASS
			AV	5150.000	-46.47	≤-41.20	48.73	≤54	PASS
			Peak	4500.000	-39.51	≤-21.20	55.69	≤74	PASS
			Peak	4927.700	-36.31	≤-21.20	58.89	≤74	PASS
			Peak	5150.000	-39.78	≤-21.20	55.42	≤74	PASS
		5240	AV	5350.000	-46.72	≤-41.20	48.48	≤54	PASS
			AV	5457.840	-46.2	≤-41.20	49.00	≤54	PASS
			AV	5460.000	-46.76	≤-41.20	48.44	≤54	PASS
			Peak	5350.000	-39.44	≤-21.20	55.76	≤74	PASS
			Peak	5366.640	-37.19	≤-21.20	58.01	≤74	PASS
			Peak	5460.000	-39.62	≤-21.20	55.58	≤74	PASS
11N20SIS O	Ant1	5180	AV	4500.000	-48.31	≤-41.20	46.89	≤54	PASS
			AV	4877.300	-45.79	≤-41.20	49.41	≤54	PASS
			AV	5150.000	-46.47	≤-41.20	48.73	≤54	PASS
			Peak	4500.000	-41.9	≤-21.20	53.30	≤74	PASS
			Peak	4808.000	-36.45	≤-21.20	58.75	≤74	PASS
			Peak	5150.000	-39.63	≤-21.20	55.57	≤74	PASS
		5240	AV	5350.000	-47.04	≤-41.20	48.16	≤54	PASS
			AV	5351.520	-45.86	≤-41.20	49.34	≤54	PASS
			AV	5460.000	-46.66	≤-41.20	48.54	≤54	PASS
			Peak	5350.000	-39.15	≤-21.20	56.05	≤74	PASS
			Peak	5365.680	-37.45	≤-21.20	57.75	≤74	PASS
			Peak	5460.000	-39.87	≤-21.20	55.33	≤74	PASS
11N40SIS O	Ant1	5190	AV	4500.000	-47.94	≤-41.20	47.26	≤54	PASS
			AV	4928.400	-45.16	≤-41.20	50.04	≤54	PASS
			AV	5150.000	-45.21	≤-41.20	49.99	≤54	PASS
			Peak	4500.000	-40.45	≤-21.20	54.75	≤74	PASS
			Peak	4884.300	-36.19	≤-21.20	59.01	≤74	PASS
			Peak	5150.000	-34.24	≤-21.20	60.96	≤74	PASS
		5230	AV	5350.000	-46.4	≤-41.20	48.80	≤54	PASS
			AV	5377.580	-44.91	≤-41.20	50.29	≤54	PASS
			AV	5460.000	-46.15	≤-41.20	49.05	≤54	PASS
			Peak	5350.000	-39.61	≤-21.20	55.59	≤74	PASS
			Peak	5436.860	-37.33	≤-21.20	57.87	≤74	PASS
			Peak	5460.000	-39.57	≤-21.20	55.63	≤74	PASS
11AC20SI SO	Ant1	5180	AV	4500.000	-47.99	≤-41.20	47.21	≤54	PASS
			AV	4831.800	-44.57	≤-41.20	50.63	≤54	PASS
			AV	5150.000	-46.26	≤-41.20	48.94	≤54	PASS



			Peak	4500.000	-40.81	≤-21.20	54.39	≤74	PASS
			Peak	4880.100	-37.15	≤-21.20	58.05	≤74	PASS
			Peak	5150.000	-38.98	≤-21.20	56.22	≤74	PASS
		5240	AV	5350.000	-46.53	≤-41.20	48.67	≤54	PASS
			AV	5413.680	-45.3	≤-41.20	49.90	≤54	PASS
			AV	5460.000	-46.13	≤-41.20	49.07	≤54	PASS
			Peak	5350.000	-39.75	≤-21.20	55.45	≤74	PASS
			Peak	5442.240	-36.96	≤-21.20	58.24	≤74	PASS
			Peak	5460.000	-39.19	≤-21.20	56.01	≤74	PASS
11AC40SI SO	Ant1	5190	AV	4500.000	-47.74	≤-41.20	47.46	≤54	PASS
			AV	5148.200	-44.25	≤-41.20	50.95	≤54	PASS
			AV	5150.000	-44.73	≤-41.20	50.47	≤54	PASS
			Peak	4500.000	-40.97	≤-21.20	54.23	≤74	PASS
			Peak	5147.500	-36.85	≤-21.20	58.35	≤74	PASS
			Peak	5150.000	-37.13	≤-21.20	58.07	≤74	PASS
		5230	AV	5350.000	-46.17	≤-41.20	49.03	≤54	PASS
			AV	5439.980	-45.28	≤-41.20	49.92	≤54	PASS
			AV	5460.000	-46.48	≤-41.20	48.72	≤54	PASS
			Peak	5350.000	-39.2	≤-21.20	56.00	≤74	PASS
			Peak	5364.320	-37.23	≤-21.20	57.97	≤74	PASS
			Peak	5460.000	-39.84	≤-21.20	55.36	≤74	PASS
11AC80SI SO	Ant1	5210	AV	4500.000	-47.87	≤-41.20	47.33	≤54	PASS
			AV	5142.000	-44.33	≤-41.20	50.87	≤54	PASS
			AV	5150.000	-44.18	≤-41.20	51.02	≤54	PASS
			Peak	4500.000	-41.04	≤-21.20	54.16	≤74	PASS
			Peak	5146.500	-36.33	≤-21.20	58.87	≤74	PASS
			Peak	5150.000	-37.8	≤-21.20	57.40	≤74	PASS
		5210	AV	5350.000	-46.36	≤-41.20	48.84	≤54	PASS
			AV	5360.320	-45.33	≤-41.20	49.87	≤54	PASS
			AV	5460.000	-46.02	≤-41.20	49.18	≤54	PASS
			Peak	5350.000	-39.31	≤-21.20	55.89	≤74	PASS
			Peak	5450.200	-36.45	≤-21.20	58.75	≤74	PASS
			Peak	5460.000	-36.6	≤-21.20	58.60	≤74	PASS
11AX20SI SO	Ant1	5180	AV	4500.000	-58.8	≤-41.20	36.40	≤54	PASS
			AV	5149.600	-55.65	≤-41.20	39.55	≤54	PASS
			AV	5150.000	-55.48	≤-41.20	39.72	≤54	PASS
			Peak	4500.000	-50.17	≤-21.20	45.03	≤74	PASS
			Peak	5148.900	-44.12	≤-21.20	51.08	≤74	PASS
			Peak	5150.000	-42.08	≤-21.20	53.12	≤74	PASS
		5240	AV	5350.000	-56.78	≤-41.20	38.42	≤54	PASS
			AV	5369.280	-55.39	≤-41.20	39.81	≤54	PASS
			AV	5460.000	-56.83	≤-41.20	38.37	≤54	PASS
			Peak	5350.000	-49.48	≤-21.20	45.72	≤74	PASS



11AX40SI SO	Ant1		Peak	5417.520	-47.36	≤-21.20	47.84	≤74	PASS
			Peak	5460.000	-49.27	≤-21.20	45.93	≤74	PASS
		5190	AV	4500.000	-58.32	≤-41.20	36.88	≤54	PASS
			AV	5149.600	-53.14	≤-41.20	42.06	≤54	PASS
			AV	5150.000	-52.89	≤-41.20	42.31	≤54	PASS
			Peak	4500.000	-50.34	≤-21.20	44.86	≤74	PASS
			Peak	5148.200	-40.96	≤-21.20	54.24	≤74	PASS
			Peak	5150.000	-40.99	≤-21.20	54.21	≤74	PASS
		5230	AV	5350.000	-57.67	≤-41.20	37.53	≤54	PASS
			AV	5452.720	-57.2	≤-41.20	38.00	≤54	PASS
			AV	5460.000	-57.52	≤-41.20	37.68	≤54	PASS
			Peak	5350.000	-50.15	≤-21.20	45.05	≤74	PASS
			Peak	5403.320	-46.94	≤-21.20	48.26	≤74	PASS
			Peak	5460.000	-49.43	≤-21.20	45.77	≤74	PASS
11AX80SI SO	Ant1	5210	AV	4500.000	-58.41	≤-41.20	36.79	≤54	PASS
			AV	5149.500	-49.5	≤-41.20	45.70	≤54	PASS
			AV	5150.000	-49.56	≤-41.20	45.64	≤54	PASS
			Peak	4500.000	-51.04	≤-21.20	44.16	≤74	PASS
			Peak	5148.000	-38.37	≤-21.20	56.83	≤74	PASS
			Peak	5150.000	-40.06	≤-21.20	55.14	≤74	PASS
		5210	AV	5350.000	-56.94	≤-41.20	38.26	≤54	PASS
			AV	5418.000	-56.63	≤-41.20	38.57	≤54	PASS
			AV	5460.000	-57.39	≤-41.20	37.81	≤54	PASS
			Peak	5350.000	-47.99	≤-21.20	47.21	≤74	PASS
			Peak	5364.800	-46.61	≤-21.20	48.59	≤74	PASS
			Peak	5460.000	-49.2	≤-21.20	46.00	≤74	PASS



MIMO

Test Mode	Channel	Detector	Freq. [MHz]	ANT 0 Result [dBm]	ANT 1 Result [dBm]	sum [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11N20	5180	AV	4500.000	-48.48	-48.31	-45.38	49.85	≤54	PASS
		AV	4829.700	-45.77	-45.79	-42.77	52.46	≤54	PASS
		AV	5150.000	-46.37	-46.47	-43.41	51.82	≤54	PASS
		Peak	4500.000	-40.69	-41.9	-38.24	56.99	≤74	PASS
		Peak	5148.200	-36.76	-36.45	-33.59	61.64	≤74	PASS
		Peak	5150.000	-38.01	-39.63	-35.73	59.50	≤74	PASS
	5240	AV	5350.000	-46.83	-47.04	-43.92	51.31	≤54	PASS
		AV	5409.360	-45.95	-45.86	-42.89	52.34	≤54	PASS
		AV	5460.000	-46.68	-46.66	-43.66	51.57	≤54	PASS
		Peak	5350.000	-38.45	-39.15	-35.78	59.45	≤74	PASS
		Peak	5401.200	-36.82	-37.45	-34.11	61.12	≤74	PASS
		Peak	5460.000	-39.25	-39.87	-36.54	58.69	≤74	PASS
11N40	5190	AV	4500.000	-48.08	-47.94	-45.00	50.23	≤54	PASS
		AV	4806.600	-44.66	-45.16	-41.89	53.34	≤54	PASS
		AV	5150.000	-45.15	-45.21	-42.17	53.06	≤54	PASS
		Peak	4500.000	-41.31	-40.45	-37.85	57.38	≤74	PASS
		Peak	4812.200	-36.62	-36.19	-33.39	61.84	≤74	PASS
		Peak	5150.000	-38.05	-34.24	-32.73	62.50	≤74	PASS
	5230	AV	5350.000	-46.07	-46.4	-43.22	52.01	≤54	PASS
		AV	5411.120	-45.21	-44.91	-42.05	53.18	≤54	PASS
		AV	5460.000	-46.2	-46.15	-43.16	52.07	≤54	PASS
		Peak	5350.000	-39.49	-39.61	-36.54	58.69	≤74	PASS
		Peak	5408.260	-36.9	-37.33	-34.10	61.13	≤74	PASS
		Peak	5460.000	-39.19	-39.57	-36.37	58.86	≤74	PASS
11AC20	5180	AV	4500.000	-47.71	-47.99	-44.84	50.39	≤54	PASS
		AV	4841.600	-45.06	-44.57	-41.80	53.43	≤54	PASS
		AV	5150.000	-46.16	-46.26	-43.20	52.03	≤54	PASS
		Peak	4500.000	-40.9	-40.81	-37.84	57.39	≤74	PASS
		Peak	4895.500	-36.12	-37.15	-33.59	61.64	≤74	PASS
		Peak	5150.000	-38.98	-38.98	-35.97	59.26	≤74	PASS
	5240	AV	5350.000	-46.16	-46.53	-43.33	51.90	≤54	PASS
		AV	5377.680	-45.65	-45.3	-42.46	52.77	≤54	PASS
		AV	5460.000	-46.55	-46.13	-43.32	51.91	≤54	PASS
		Peak	5350.000	-39.05	-39.75	-36.38	58.85	≤74	PASS
		Peak	5430.960	-36.82	-36.96	-33.88	61.35	≤74	PASS
		Peak	5460.000	-39.68	-39.19	-36.42	58.81	≤74	PASS
11AC40	5190	AV	4500.000	-47.85	-47.74	-44.78	50.45	≤54	PASS
		AV	4847.200	-45.17	-44.25	-41.68	53.55	≤54	PASS



		AV	5150.000	-45.4	-44.73	-42.04	53.19	≤54	PASS
		Peak	4500.000	-39.58	-40.97	-37.21	58.02	≤74	PASS
		Peak	5083.800	-36.83	-36.85	-33.83	61.40	≤74	PASS
		Peak	5150.000	-38.66	-37.13	-34.82	60.41	≤74	PASS
	5230	AV	5350.000	-46.43	-46.17	-43.29	51.94	≤54	PASS
		AV	5453.240	-45.44	-45.28	-42.35	52.88	≤54	PASS
		AV	5460.000	-46.21	-46.48	-43.33	51.90	≤54	PASS
		Peak	5350.000	-39.8	-39.2	-36.48	58.75	≤74	PASS
		Peak	5447.000	-35.95	-37.23	-33.53	61.70	≤74	PASS
		Peak	5460.000	-39.32	-39.84	-36.56	58.67	≤74	PASS
11AC80	5210	AV	4500.000	-47.99	-47.87	-44.92	50.31	≤54	PASS
		AV	5139.750	-44.89	-44.33	-41.59	53.64	≤54	PASS
		AV	5150.000	-45.05	-44.18	-41.58	53.65	≤54	PASS
		Peak	4500.000	-40.56	-41.04	-37.78	57.45	≤74	PASS
		Peak	4890.750	-36.84	-36.33	-33.57	61.66	≤74	PASS
		Peak	5150.000	-37.04	-37.8	-34.39	60.84	≤74	PASS
	5210	AV	5350.000	-46.16	-46.36	-43.25	51.98	≤54	PASS
		AV	5400.920	-45.33	-45.33	-42.32	52.91	≤54	PASS
		AV	5460.000	-46.36	-46.02	-43.18	52.05	≤54	PASS
		Peak	5350.000	-39.66	-39.31	-36.47	58.76	≤74	PASS
		Peak	5433.120	-37.19	-36.45	-33.79	61.44	≤74	PASS
		Peak	5460.000	-38.92	-36.6	-34.60	60.63	≤74	PASS
11AX20	5180	AV	4500.000	-57.29	-58.8	-54.97	40.26	≤54	PASS
		AV	5148.900	-53.95	-55.65	-51.71	43.52	≤54	PASS
		AV	5150.000	-53.39	-55.48	-51.30	43.93	≤54	PASS
		Peak	4500.000	-49.33	-50.17	-46.72	48.51	≤74	PASS
		Peak	5148.200	-44.58	-44.12	-41.33	53.90	≤74	PASS
		Peak	5150.000	-46.28	-42.08	-40.68	54.55	≤74	PASS
	5240	AV	5350.000	-56.48	-56.78	-53.62	41.61	≤54	PASS
		AV	5425.680	-55.33	-55.39	-52.35	42.88	≤54	PASS
		AV	5460.000	-56.34	-56.83	-53.57	41.66	≤54	PASS
		Peak	5350.000	-48.93	-49.48	-46.19	49.04	≤74	PASS
		Peak	5432.880	-47.15	-47.36	-44.24	50.99	≤74	PASS
		Peak	5460.000	-48.8	-49.27	-46.02	49.21	≤74	PASS
11AX40	5190	AV	4500.000	-58.66	-58.32	-55.48	39.75	≤54	PASS
		AV	5149.600	-53.77	-53.14	-50.43	44.80	≤54	PASS
		AV	5150.000	-53.67	-52.89	-50.25	44.98	≤54	PASS
		Peak	4500.000	-49.33	-50.34	-46.80	48.43	≤74	PASS
		Peak	5139.100	-41.61	-40.96	-38.26	56.97	≤74	PASS
		Peak	5150.000	-40.46	-40.99	-37.71	57.52	≤74	PASS
	5230	AV	5350.000	-57.54	-57.67	-54.59	40.64	≤54	PASS
		AV	5437.640	-57.07	-57.2	-54.12	41.11	≤54	PASS
		AV	5460.000	-57.74	-57.52	-54.62	40.61	≤54	PASS



11AX80		Peak	5350.000	-49.62	-50.15	-46.87	48.36	≤74	PASS
		Peak	5389.540	-47.36	-46.94	-44.13	51.10	≤74	PASS
		Peak	5460.000	-49.61	-49.43	-46.51	48.72	≤74	PASS
	5210	AV	4500.000	-58.62	-58.41	-55.50	39.73	≤54	PASS
		AV	5148.000	-50.91	-49.5	-47.14	48.09	≤54	PASS
		AV	5150.000	-50.87	-49.56	-47.16	48.07	≤54	PASS
		Peak	4500.000	-49.08	-51.04	-46.94	48.29	≤74	PASS
		Peak	5138.250	-37.95	-38.37	-35.14	60.09	≤74	PASS
		Peak	5150.000	-40.18	-40.06	-37.11	58.12	≤74	PASS
	5210	AV	5350.000	-57.53	-56.94	-54.21	41.02	≤54	PASS
		AV	5438.440	-57.22	-56.63	-53.90	41.33	≤54	PASS
		AV	5460.000	-57.71	-57.39	-54.54	40.69	≤54	PASS
		Peak	5350.000	-49.24	-47.99	-45.56	49.67	≤74	PASS
		Peak	5433.680	-47.37	-46.61	-43.96	51.27	≤74	PASS
		Peak	5460.000	-49.81	-49.2	-46.48	48.75	≤74	PASS

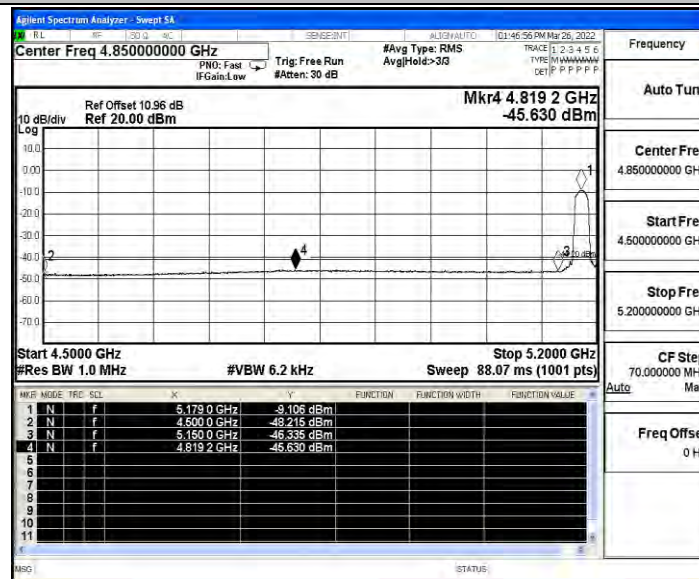
Note:

1. The Antenna Gain is compensated in the graph.
2. 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.

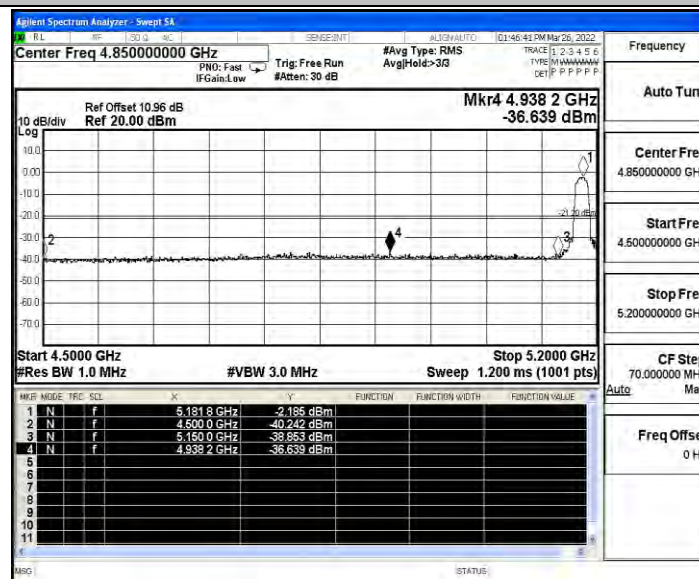


Test Graphs

11A_Ant0_Low_5180_AV



11A_Ant0_Low_5180_Peak



11A_Ant0_High_5240_AV