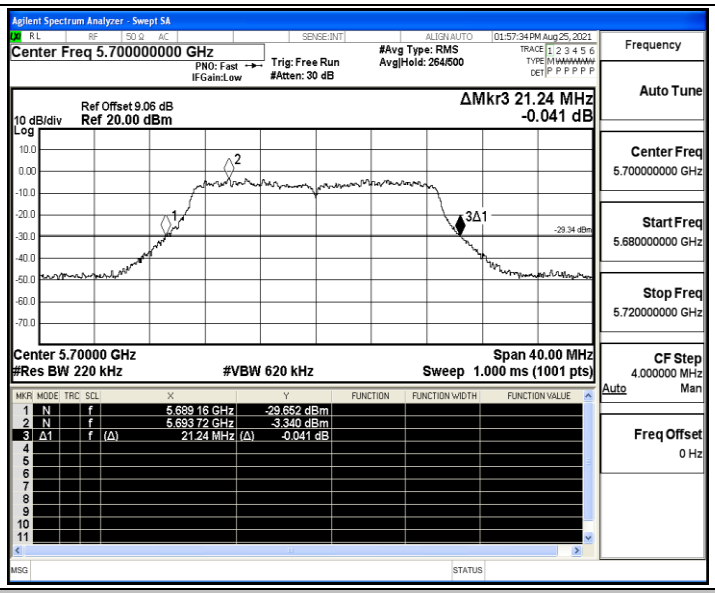
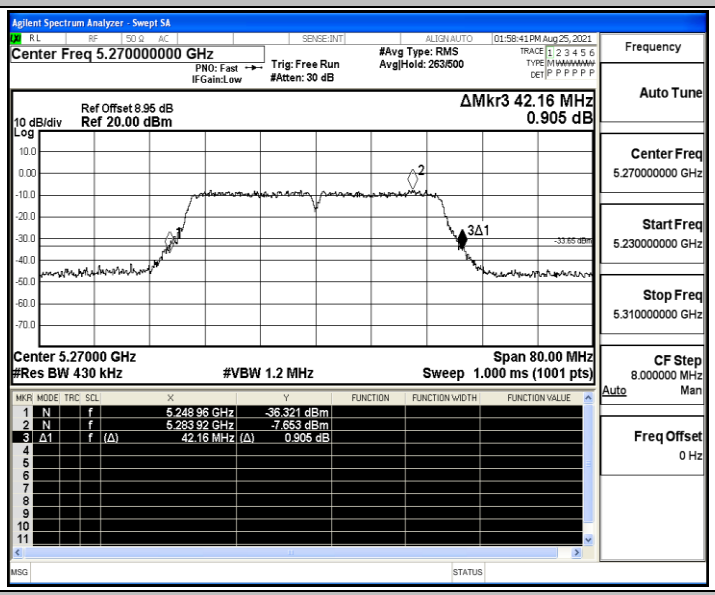
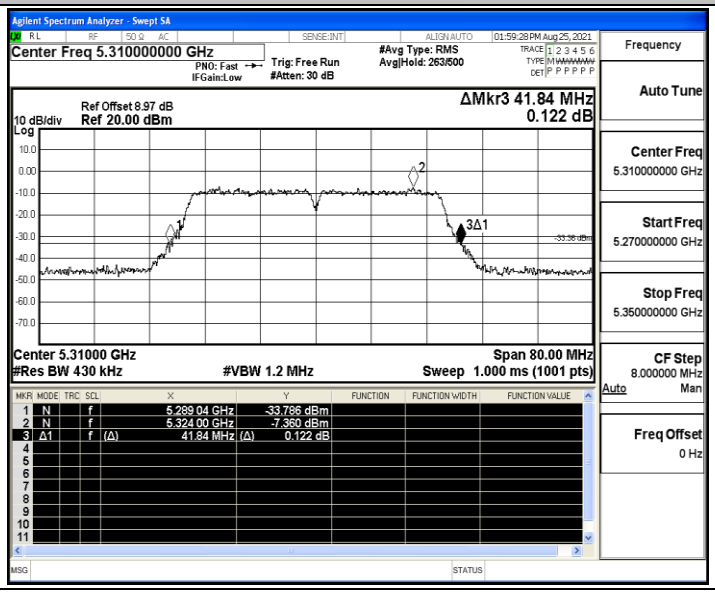


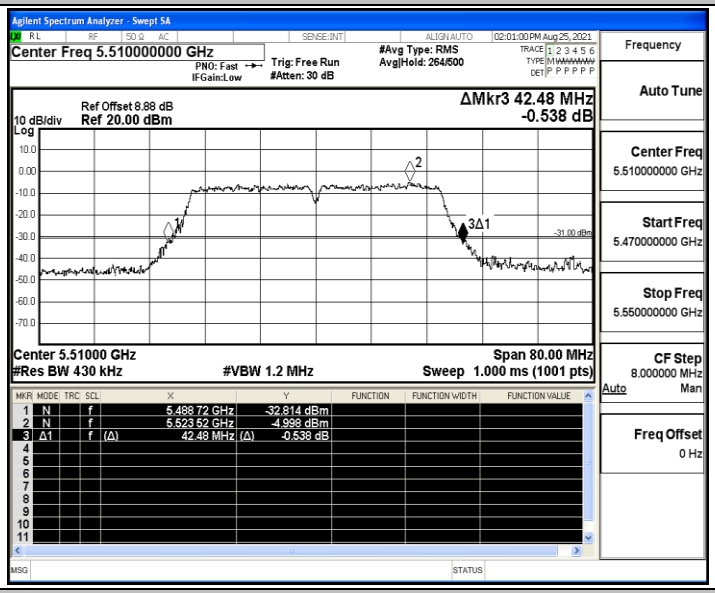
11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC40SISO_Ant1_5510



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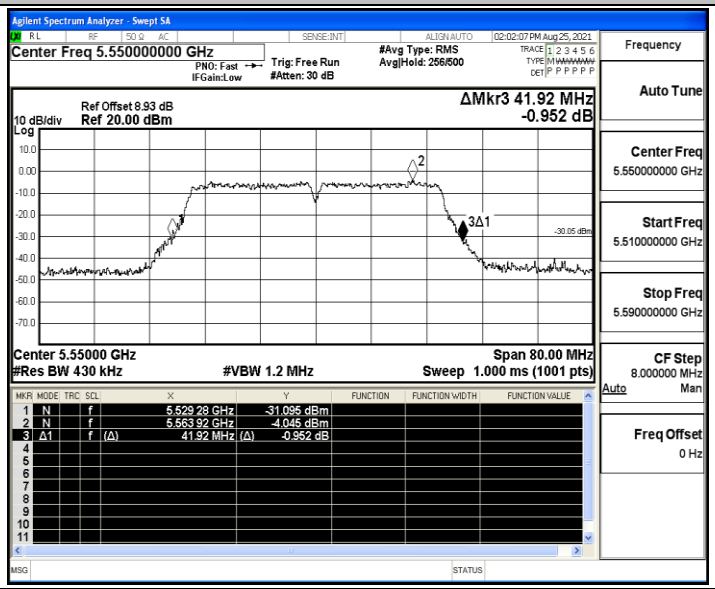
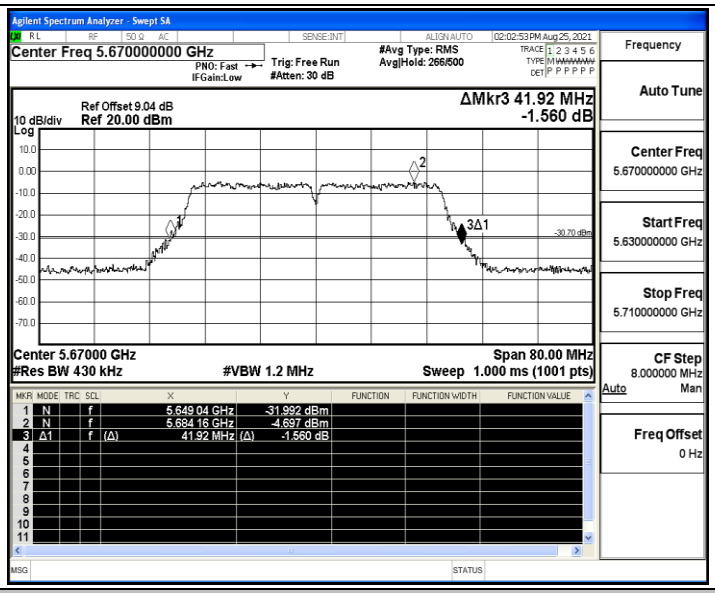


11AC40SISO_Ant1_5670



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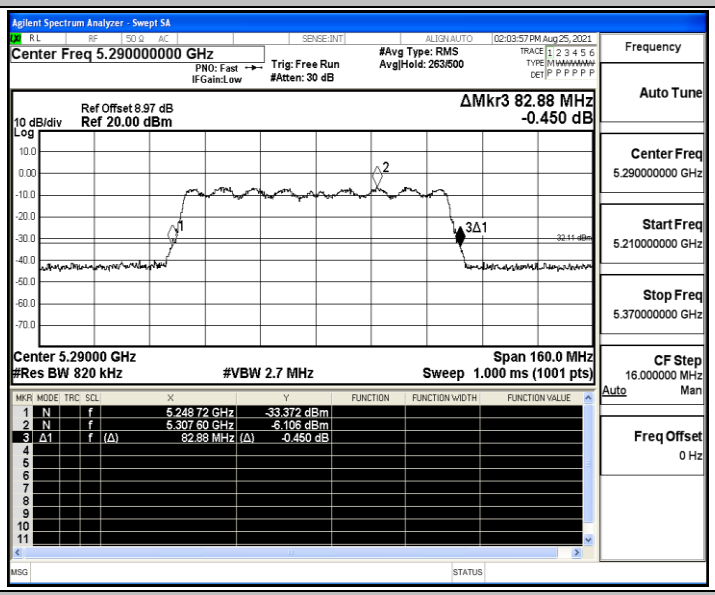

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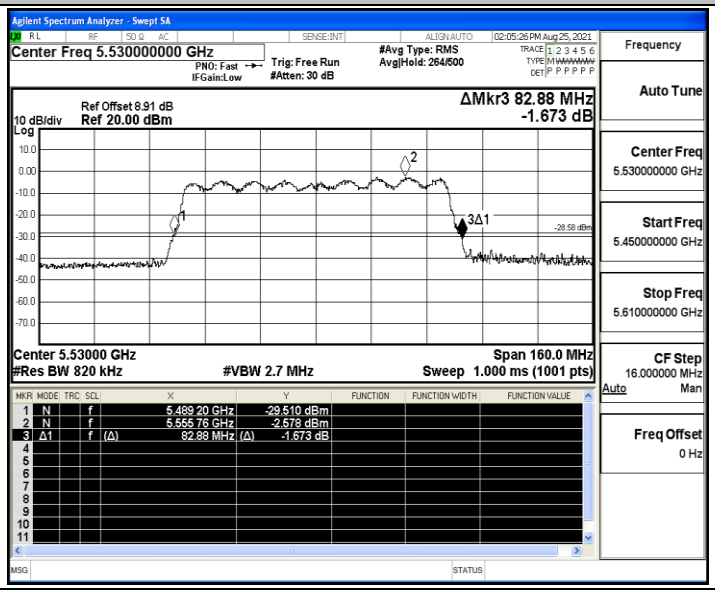

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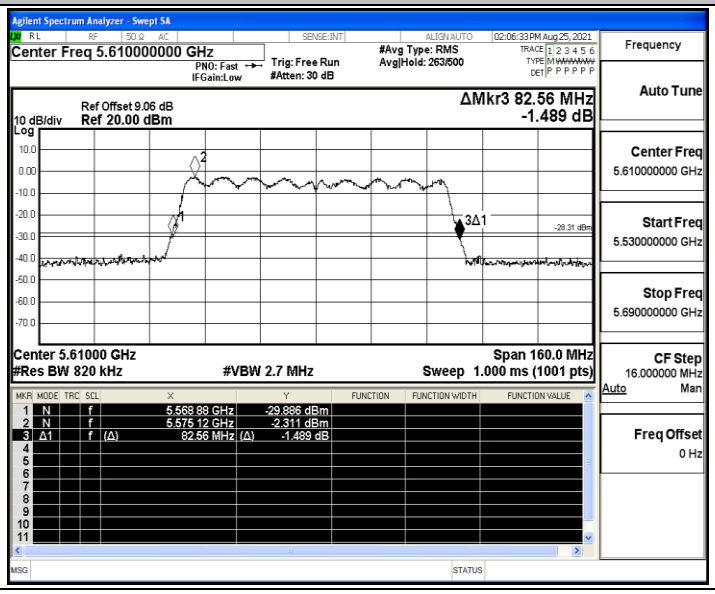


E.5 Emissions in Restricted Bands

Test Result

TestMode	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11A	5260	AV	4500.000	-49.24	≤-41.20	45.96	≤54	PASS
		AV	4842.860	-47.26	≤-41.20	47.94	≤54	PASS
		AV	5150.000	-47.84	≤-41.20	47.36	≤54	PASS
		Peak	4500.000	-40.52	≤-21.20	54.68	≤74	PASS
		Peak	4878.410	-36.98	≤-21.20	58.22	≤74	PASS
		Peak	5150.000	-41.06	≤-21.20	54.14	≤74	PASS
	5320	AV	5350.000	-44.33	≤-41.20	50.87	≤54	PASS
		AV	5350.080	-44.33	≤-41.20	50.87	≤54	PASS
		AV	5460.000	-48.13	≤-41.20	47.07	≤54	PASS
		Peak	5350.000	-34.32	≤-21.20	60.88	≤74	PASS
		Peak	5351.520	-29.61	≤-21.20	65.59	≤74	PASS
		Peak	5460.000	-39.26	≤-21.20	55.94	≤74	PASS
	5500	AV	5460.000	-46.47	≤-41.20	48.73	≤54	PASS
		AV	5469.980	-41.46	≤-41.20	53.74	≤54	PASS
		AV	5470.000	-41.46	≤-41.20	53.74	≤54	PASS
		Peak	5460.000	-38.8	≤-21.20	56.40	≤74	PASS
		Peak	5468.120	-27.21	≤-21.20	67.99	≤74	PASS
		Peak	5470.000	-32.39	≤-21.20	62.81	≤74	PASS
	5700	AV	5725.000	-41.62	≤-41.20	53.58	≤54	PASS
		AV	5725.040	-41.77	≤-41.20	53.43	≤54	PASS
		AV	5735.000	-46	≤-41.20	49.20	≤54	PASS
		Peak	5725.000	-31.69	≤-21.20	63.51	≤74	PASS
		Peak	5729.600	-27.78	≤-21.20	67.42	≤74	PASS
		Peak	5735.000	-39.06	≤-21.20	56.14	≤74	PASS
11N20SISO	5260	AV	4500.000	-49.27	≤-41.20	45.93	≤54	PASS
		AV	4877.620	-47.23	≤-41.20	47.97	≤54	PASS
		AV	5150.000	-47.8	≤-41.20	47.40	≤54	PASS
		Peak	4500.000	-40.9	≤-21.20	54.30	≤74	PASS
		Peak	4952.670	-37.17	≤-21.20	58.03	≤74	PASS
		Peak	5150.000	-39.97	≤-21.20	55.23	≤74	PASS
	5320	AV	5350.000	-44.22	≤-41.20	50.98	≤54	PASS
		AV	5350.080	-44.22	≤-41.20	50.98	≤54	PASS
		AV	5460.000	-48.02	≤-41.20	47.18	≤54	PASS
		Peak	5350.000	-33.93	≤-21.20	61.27	≤74	PASS
		Peak	5351.360	-30.32	≤-21.20	64.88	≤74	PASS
		Peak	5460.000	-41.76	≤-21.20	53.44	≤74	PASS

	5500	AV	5460.000	-48.06	≤-41.20	47.14	≤54	PASS
		AV	5469.800	-46.47	≤-41.20	48.73	≤54	PASS
		AV	5470.000	-46.5	≤-41.20	48.70	≤54	PASS
		Peak	5460.000	-41.42	≤-21.20	53.78	≤74	PASS
		Peak	5469.980	-32.39	≤-21.20	62.81	≤74	PASS
		Peak	5470.000	-32.39	≤-21.20	62.81	≤74	PASS
	5700	AV	5725.000	-44.94	≤-41.20	50.26	≤54	PASS
		AV	5725.040	-45.03	≤-41.20	50.17	≤54	PASS
		AV	5735.000	-46.85	≤-41.20	48.35	≤54	PASS
		Peak	5725.000	-37.49	≤-21.20	57.71	≤74	PASS
		Peak	5725.520	-34.31	≤-21.20	60.89	≤74	PASS
		Peak	5735.000	-39.7	≤-21.20	55.50	≤74	PASS
11N40SISO	5270	AV	4500.000	-49.11	≤-41.20	46.09	≤54	PASS
		AV	4836.540	-47.08	≤-41.20	48.12	≤54	PASS
		AV	5150.000	-47.84	≤-41.20	47.36	≤54	PASS
		Peak	4500.000	-41.92	≤-21.20	53.28	≤74	PASS
		Peak	5050.630	-37.67	≤-21.20	57.53	≤74	PASS
		Peak	5150.000	-41.53	≤-21.20	53.67	≤74	PASS
	5310	AV	5350.000	-44.96	≤-41.20	50.24	≤54	PASS
		AV	5351.360	-44.67	≤-41.20	50.53	≤54	PASS
		AV	5460.000	-47.95	≤-41.20	47.25	≤54	PASS
		Peak	5350.000	-36.41	≤-21.20	58.79	≤74	PASS
		Peak	5353.280	-33.38	≤-21.20	61.82	≤74	PASS
		Peak	5460.000	-40.3	≤-21.20	54.90	≤74	PASS
	5510	AV	5460.000	-47.6	≤-41.20	47.60	≤54	PASS
		AV	5469.040	-46.41	≤-41.20	48.79	≤54	PASS
		AV	5470.000	-46.74	≤-41.20	48.46	≤54	PASS
		Peak	5460.000	-36.48	≤-21.20	58.72	≤74	PASS
		Peak	5467.780	-31.95	≤-21.20	63.25	≤74	PASS
		Peak	5470.000	-39.61	≤-21.20	55.59	≤74	PASS
	5670	AV	5725.000	-46.07	≤-41.20	49.13	≤54	PASS
		AV	5725.100	-46.01	≤-41.20	49.19	≤54	PASS
		AV	5735.000	-46.87	≤-41.20	48.33	≤54	PASS
		Peak	5725.000	-39.6	≤-21.20	55.60	≤74	PASS
		Peak	5727.900	-36.82	≤-21.20	58.38	≤74	PASS
		Peak	5735.000	-39.53	≤-21.20	55.67	≤74	PASS
11AC20SISO	5260	AV	4500.000	-49.41	≤-41.20	45.79	≤54	PASS
		AV	4864.190	-47.36	≤-41.20	47.84	≤54	PASS
		AV	5150.000	-48	≤-41.20	47.20	≤54	PASS
		Peak	4500.000	-43.57	≤-21.20	51.63	≤74	PASS
		Peak	4858.660	-37.11	≤-21.20	58.09	≤74	PASS
		Peak	5150.000	-39.78	≤-21.20	55.42	≤74	PASS
	5320	AV	5350.000	-46.92	≤-41.20	48.28	≤54	PASS

		AV	5350.080	-46.92	≤-41.20	48.28	≤54	PASS
		AV	5460.000	-48.3	≤-41.20	46.90	≤54	PASS
		Peak	5350.000	-40.48	≤-21.20	54.72	≤74	PASS
		Peak	5382.880	-37.31	≤-21.20	57.89	≤74	PASS
		Peak	5460.000	-39.82	≤-21.20	55.38	≤74	PASS
	5500	AV	5460.000	-48.31	≤-41.20	46.89	≤54	PASS
		AV	5466.140	-48.1	≤-41.20	47.10	≤54	PASS
		AV	5470.000	-48.31	≤-41.20	46.89	≤54	PASS
		Peak	5460.000	-41.95	≤-21.20	53.25	≤74	PASS
		Peak	5468.120	-38.45	≤-21.20	56.75	≤74	PASS
		Peak	5470.000	-41.53	≤-21.20	53.67	≤74	PASS
	5700	AV	5725.000	-44.62	≤-41.20	50.58	≤54	PASS
		AV	5725.040	-44.68	≤-41.20	50.52	≤54	PASS
		AV	5735.000	-46.93	≤-41.20	48.27	≤54	PASS
		Peak	5725.000	-34.53	≤-21.20	60.67	≤74	PASS
		Peak	5726.840	-34.08	≤-21.20	61.12	≤74	PASS
		Peak	5735.000	-40.37	≤-21.20	54.83	≤74	PASS
11AC40SISO	5270	AV	4500.000	-49.14	≤-41.20	46.06	≤54	PASS
		AV	4851.550	-47.15	≤-41.20	48.05	≤54	PASS
		AV	5150.000	-47.88	≤-41.20	47.32	≤54	PASS
		Peak	4500.000	-41.54	≤-21.20	53.66	≤74	PASS
		Peak	4774.130	-37.57	≤-21.20	57.63	≤74	PASS
		Peak	5150.000	-40.57	≤-21.20	54.63	≤74	PASS
	5310	AV	5350.000	-47.7	≤-41.20	47.50	≤54	PASS
		AV	5351.200	-47.48	≤-41.20	47.72	≤54	PASS
		AV	5460.000	-47.92	≤-41.20	47.28	≤54	PASS
		Peak	5350.000	-40.34	≤-21.20	54.86	≤74	PASS
		Peak	5432.320	-38.01	≤-21.20	57.19	≤74	PASS
		Peak	5460.000	-40.91	≤-21.20	54.29	≤74	PASS
	5510	AV	5460.000	-48.05	≤-41.20	47.15	≤54	PASS
		AV	5464.000	-47.68	≤-41.20	47.52	≤54	PASS
		AV	5470.000	-47.97	≤-41.20	47.23	≤54	PASS
		Peak	5460.000	-41.33	≤-21.20	53.87	≤74	PASS
		Peak	5464.280	-38.38	≤-21.20	56.82	≤74	PASS
		Peak	5470.000	-40.55	≤-21.20	54.65	≤74	PASS
	5670	AV	5725.000	-43.7	≤-41.20	51.50	≤54	PASS
		AV	5725.200	-43.62	≤-41.20	51.58	≤54	PASS
		AV	5735.000	-45.64	≤-41.20	49.56	≤54	PASS
		Peak	5725.000	-36.19	≤-21.20	59.01	≤74	PASS
		Peak	5725.900	-29.16	≤-21.20	66.04	≤74	PASS
		Peak	5735.000	-38.94	≤-21.20	56.26	≤74	PASS
11AC80SISO	5290	AV	4500.000	-48.98	≤-41.20	46.22	≤54	PASS
		AV	5146.500	-46.26	≤-41.20	48.94	≤54	PASS

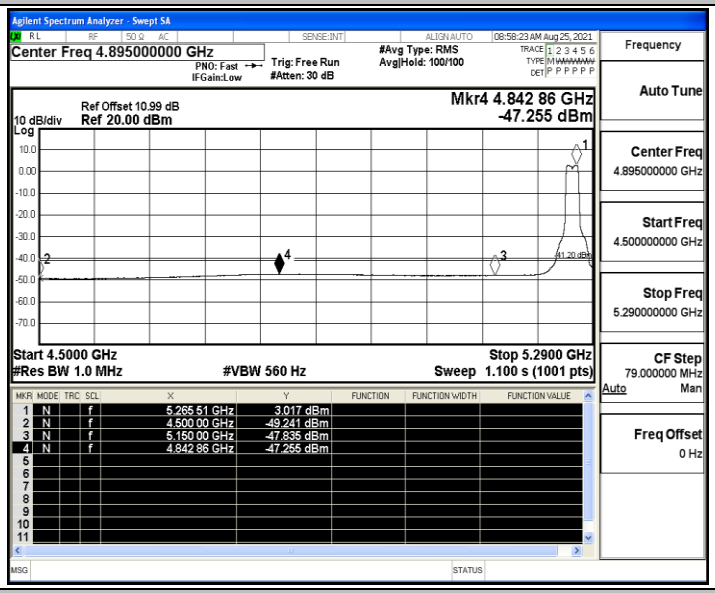
		AV	5150.000	-46.35	≤-41.20	48.85	≤54	PASS
		Peak	4500.000	-42.03	≤-21.20	53.17	≤74	PASS
		Peak	5144.250	-37.74	≤-21.20	57.46	≤74	PASS
		Peak	5150.000	-39.28	≤-21.20	55.92	≤74	PASS
	5290	AV	5350.000	-44.41	≤-41.20	50.79	≤54	PASS
		AV	5353.000	-44.25	≤-41.20	50.95	≤54	PASS
		AV	5460.000	-47.64	≤-41.20	47.56	≤54	PASS
		Peak	5350.000	-35.31	≤-21.20	59.89	≤74	PASS
		Peak	5385.600	-31.73	≤-21.20	63.47	≤74	PASS
		Peak	5460.000	-40.2	≤-21.20	55.00	≤74	PASS
	5530	AV	5460.000	-47.07	≤-41.20	48.13	≤54	PASS
		AV	5469.890	-45.9	≤-41.20	49.30	≤54	PASS
		AV	5470.000	-46.15	≤-41.20	49.05	≤54	PASS
		Peak	5460.000	-40.26	≤-21.20	54.94	≤74	PASS
		Peak	5468.460	-30.67	≤-21.20	64.53	≤74	PASS
		Peak	5470.000	-35.14	≤-21.20	60.06	≤74	PASS
	5610	AV	5725.000	-46.11	≤-41.20	49.09	≤54	PASS
		AV	5730.000	-45.8	≤-41.20	49.40	≤54	PASS
		AV	5735.000	-46.33	≤-41.20	48.87	≤54	PASS
		Peak	5725.000	-39.54	≤-21.20	55.66	≤74	PASS
		Peak	5729.600	-35.35	≤-21.20	59.85	≤74	PASS
		Peak	5735.000	-40.2	≤-21.20	55.00	≤74	PASS

Note：

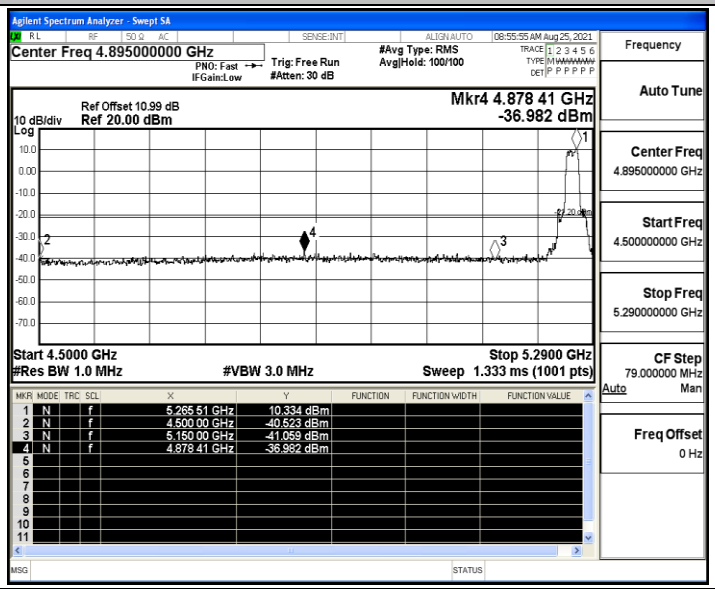
1. The Antenna Gain is compensated in the graph.
2. For transmitters operating in 5150-5350 GHz band and 5470-5725 GHz band: The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

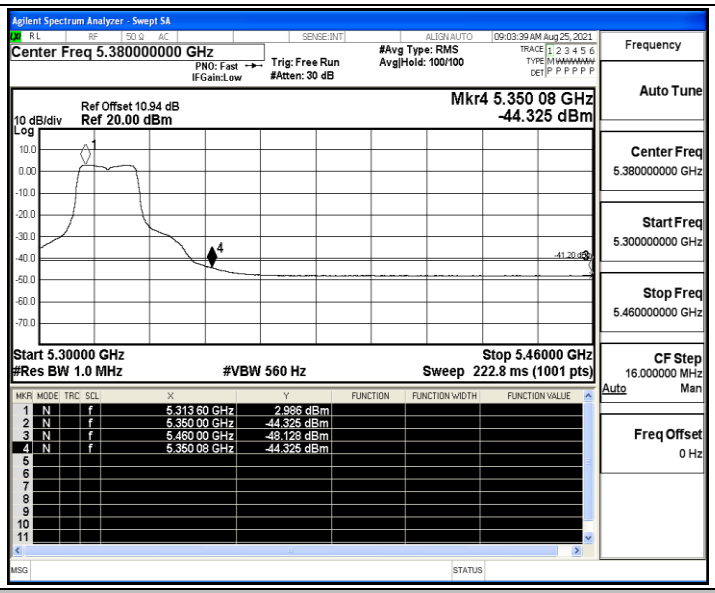
11A_Ant1_Low_5260_AV



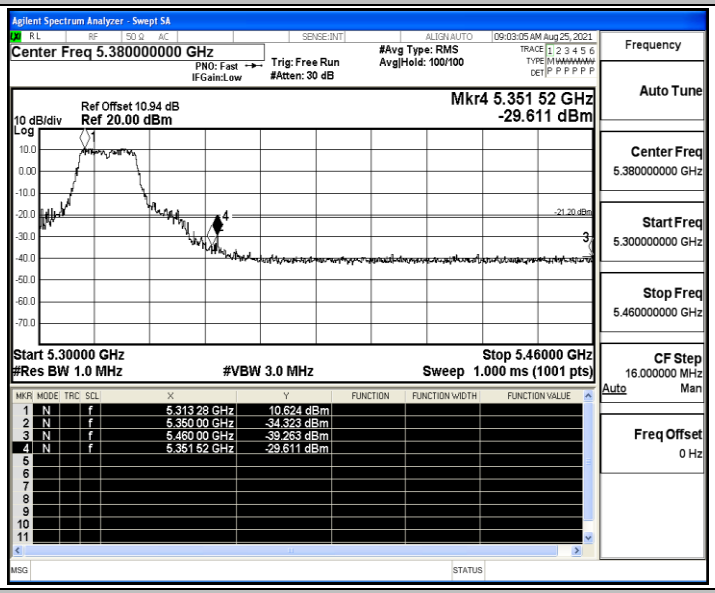
11A_Ant1_Low_5260_Peak



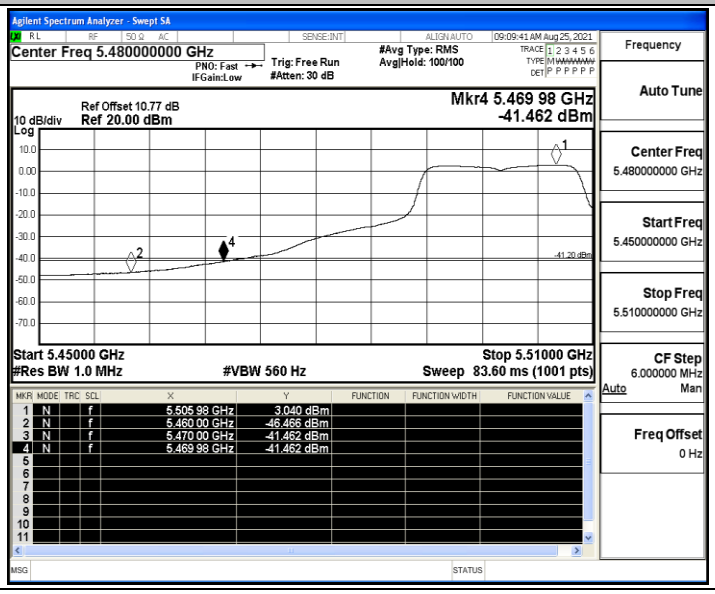
11A_Ant1_High_5320_AV



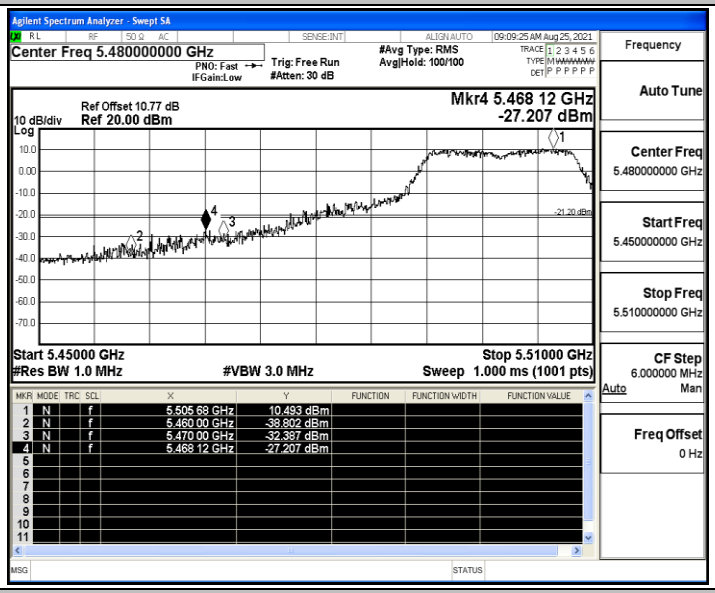
11A_Ant1_High_5320_Peak



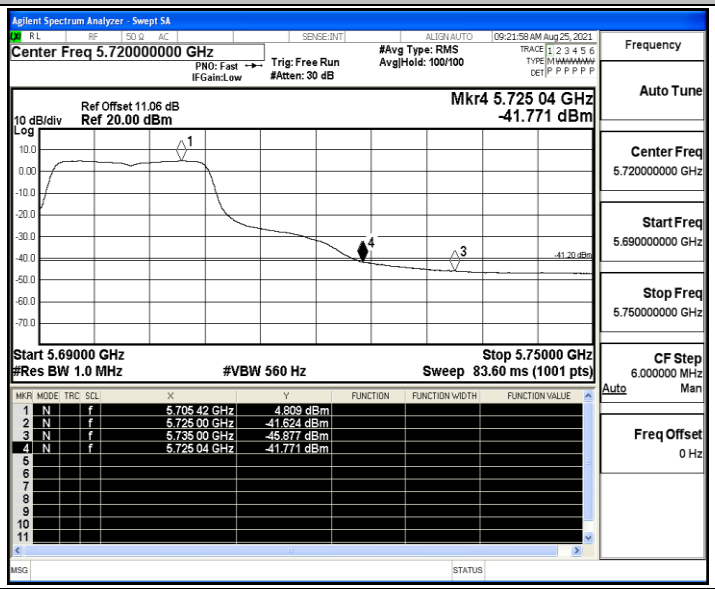
11A_Ant1_Low_5500_AV



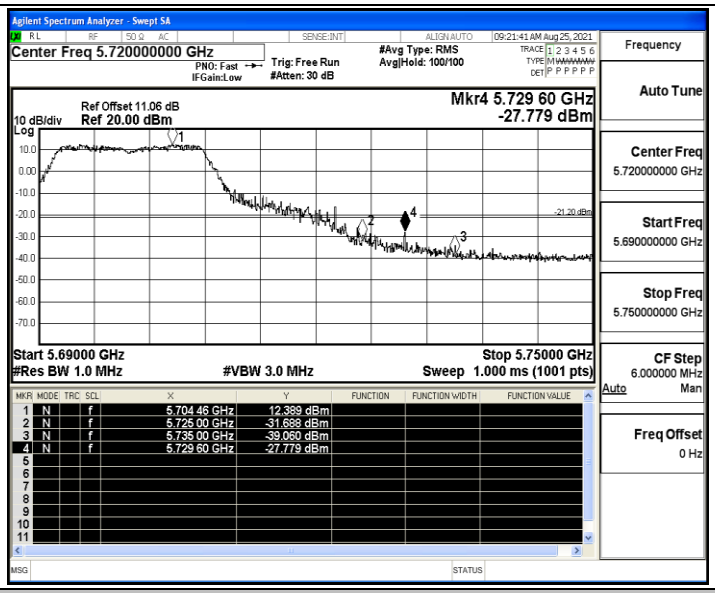
11A_Ant1_Low_5500_Peak



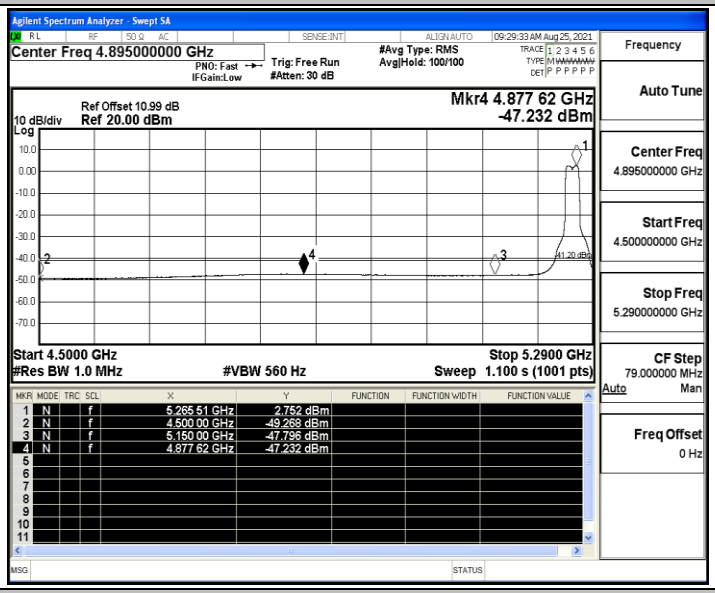
11A_Ant1_High_5700_AV



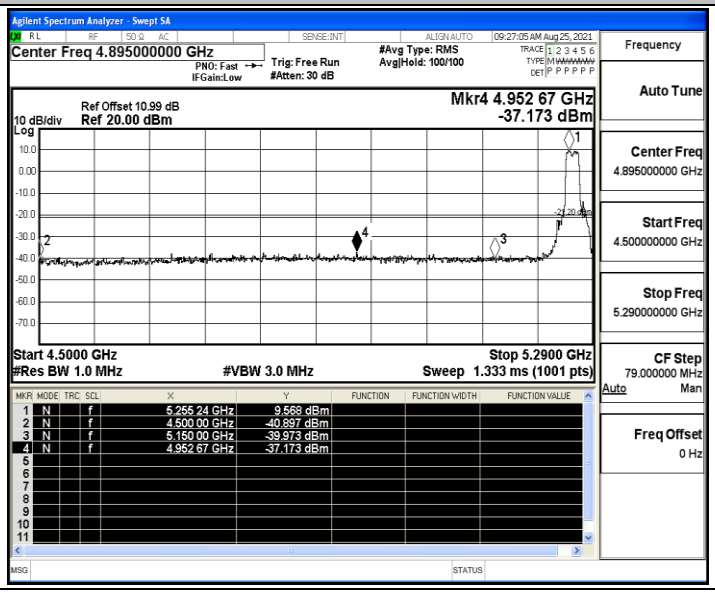
11A_Ant1_High_5700_Peak



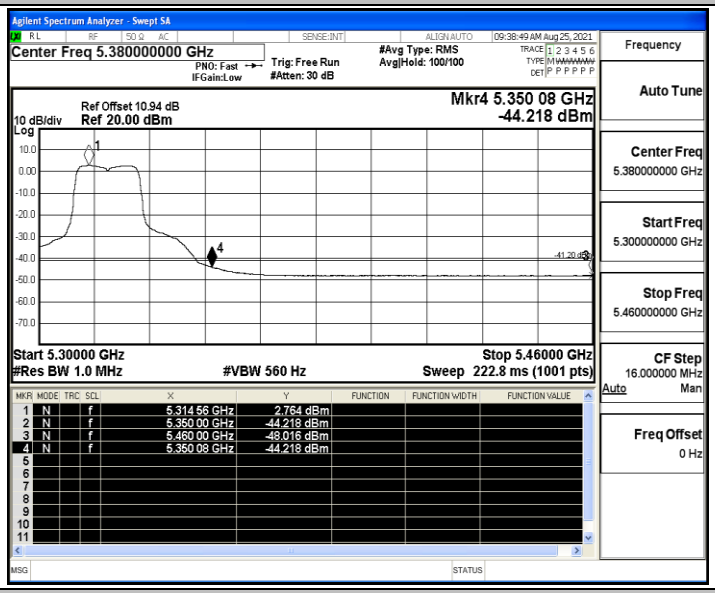
11N20SISO_Ant1_Low_5260_AV



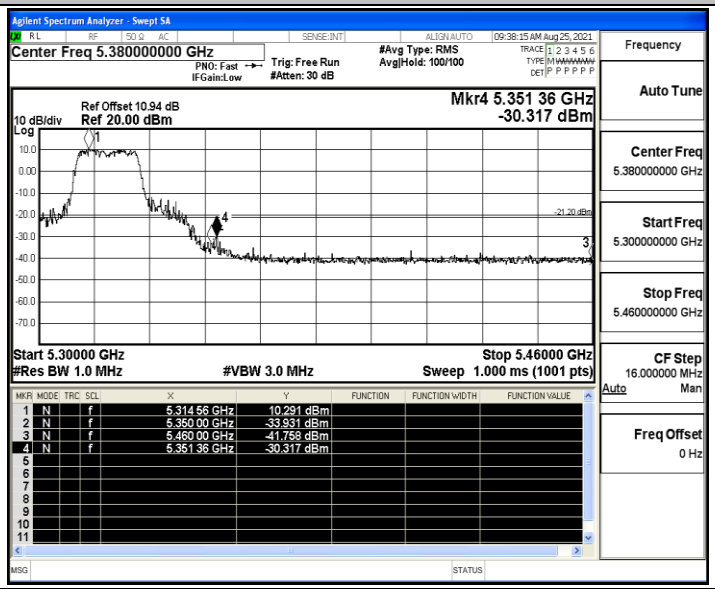
11N20SISO_Ant1_Low_5260_Peak



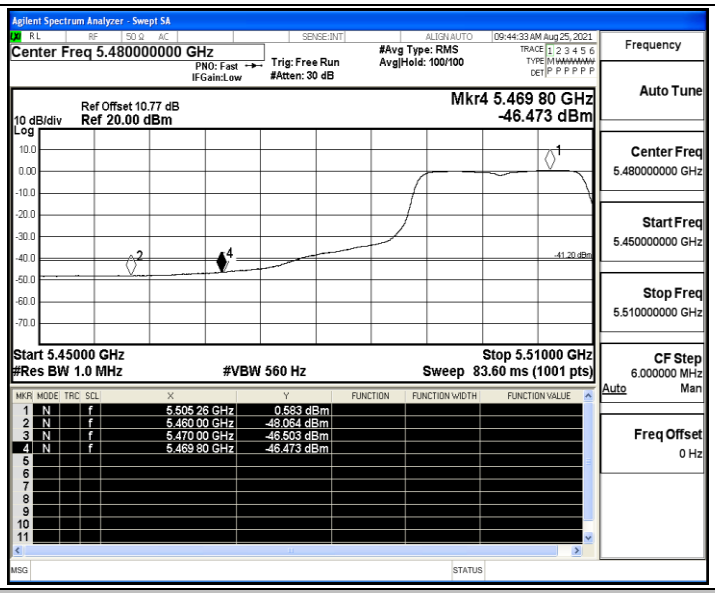
11N20SISO_Ant1_High_5320_AV



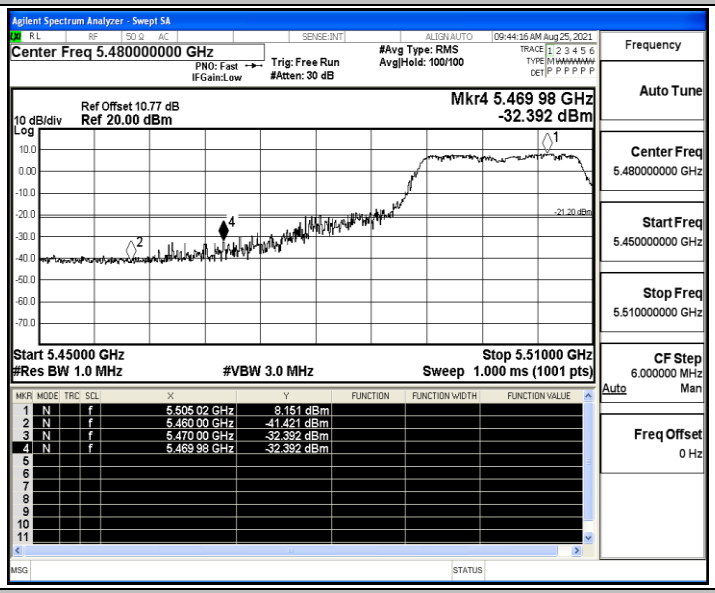
11N20SISO_Ant1_High_5320_Peak



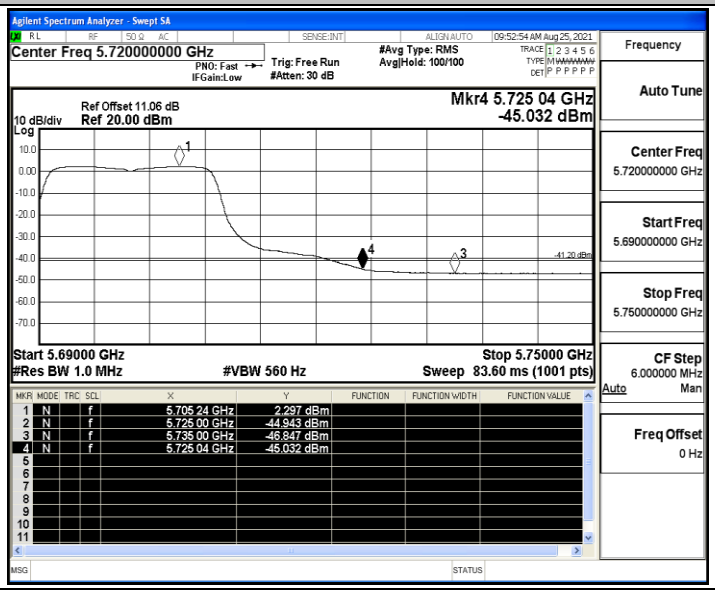
11N20SISO_Ant1_Low_5500_AV



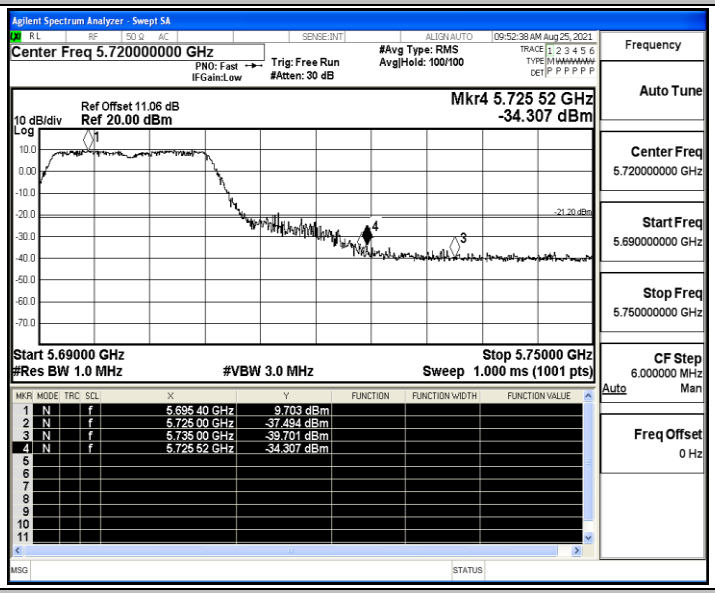
11N20SISO_Ant1_Low_5500_Peak



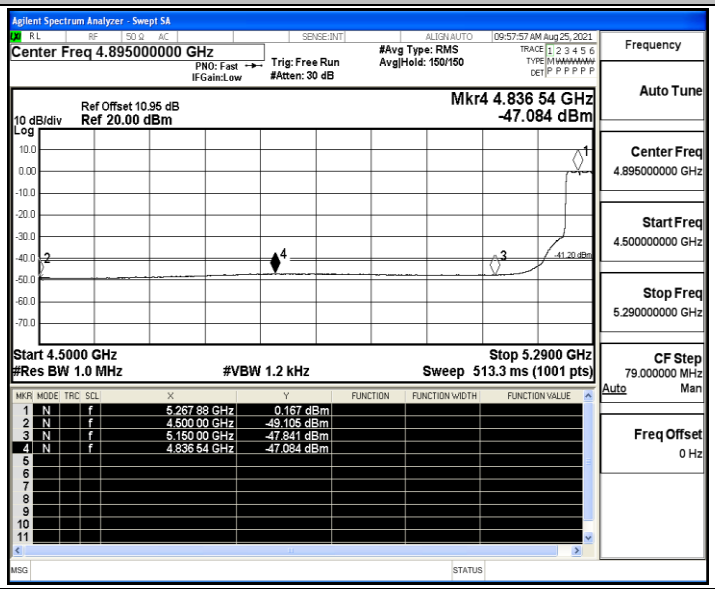
11N20SISO_Ant1_High_5700_AV



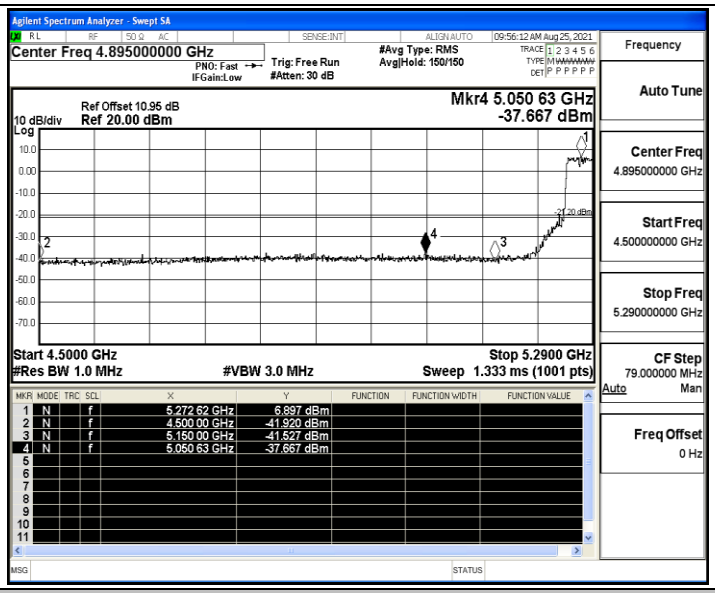
11N20SISO_Ant1_High_5700_Peak



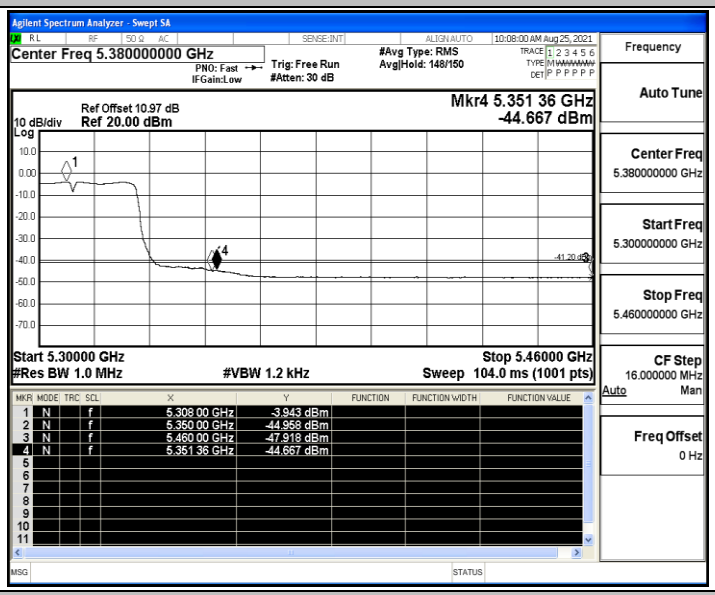
11N40SISO_Ant1_Low_5270_AV



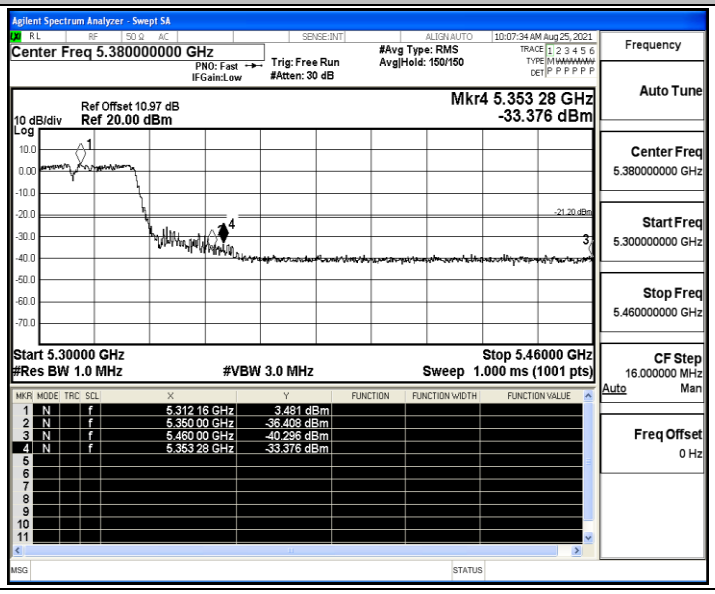
11N40SISO_Ant1_Low_5270_Peak



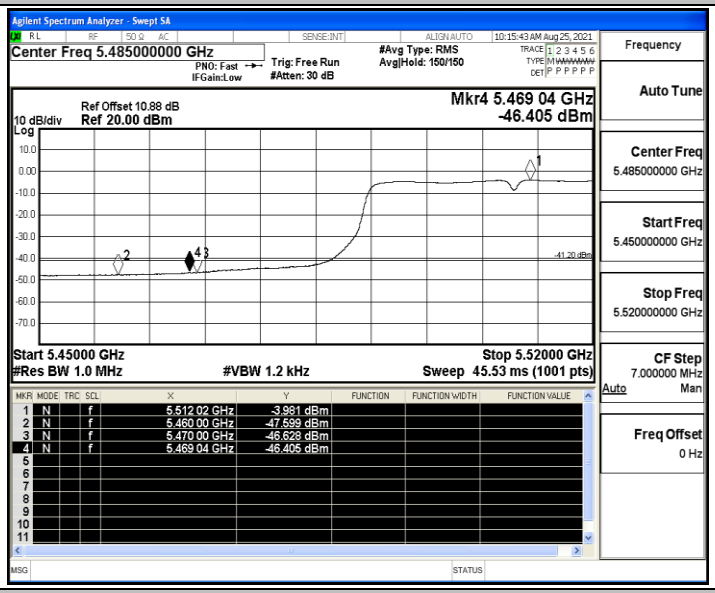
11N40SISO_Ant1_High_5310_AV



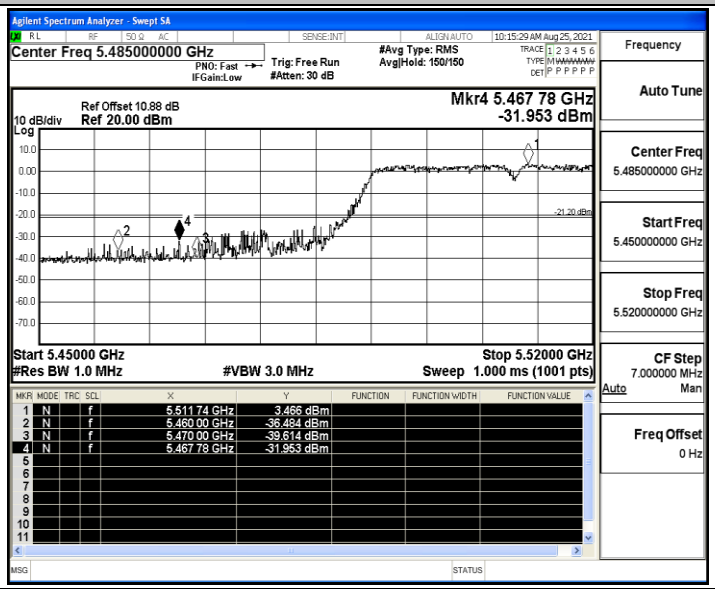
11N40SISO_Ant1_High_5310_Peak



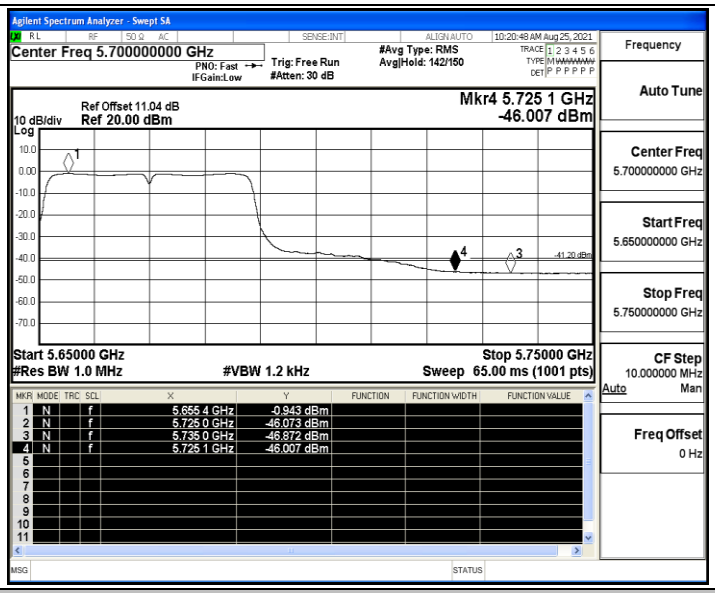
11N40SISO_Ant1_Low_5510_AV



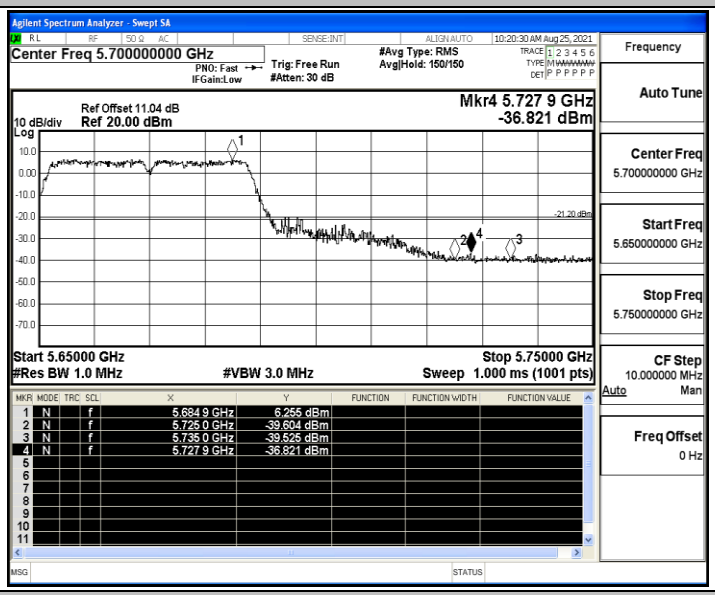
11N40SISO_Ant1_Low_5510_Peak



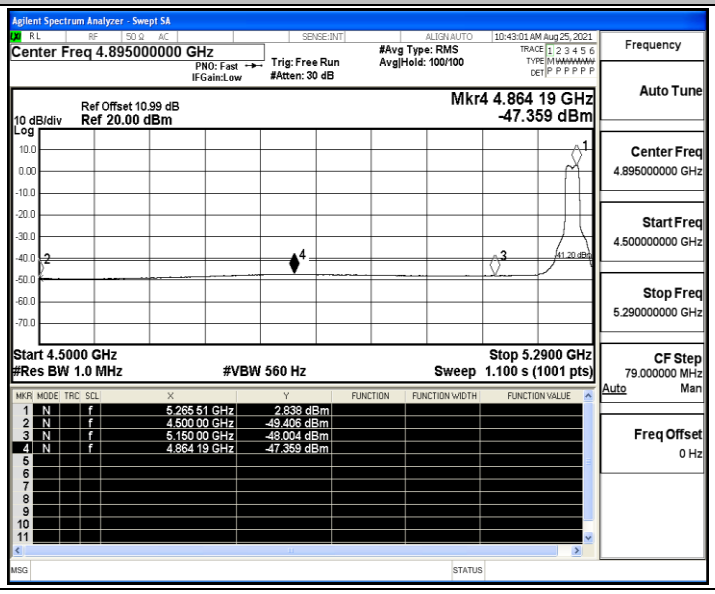
11N40SISO_Ant1_High_5670_AV



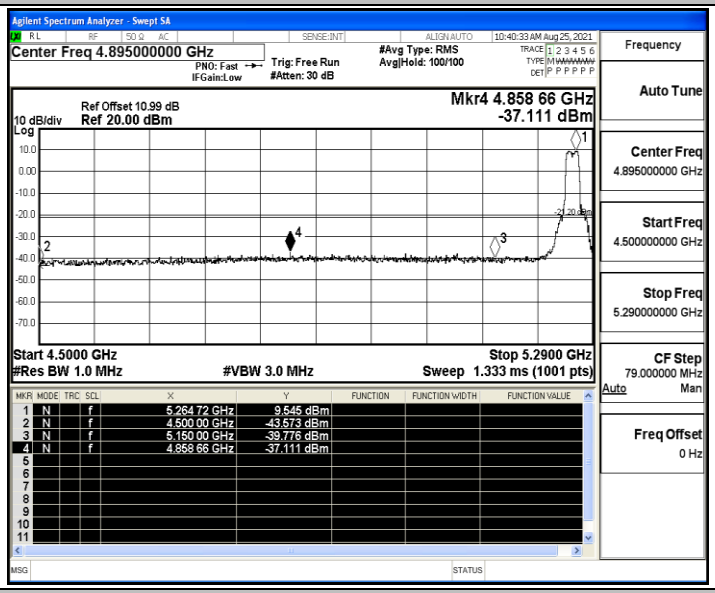
11N40SISO_Ant1_High_5670_Peak



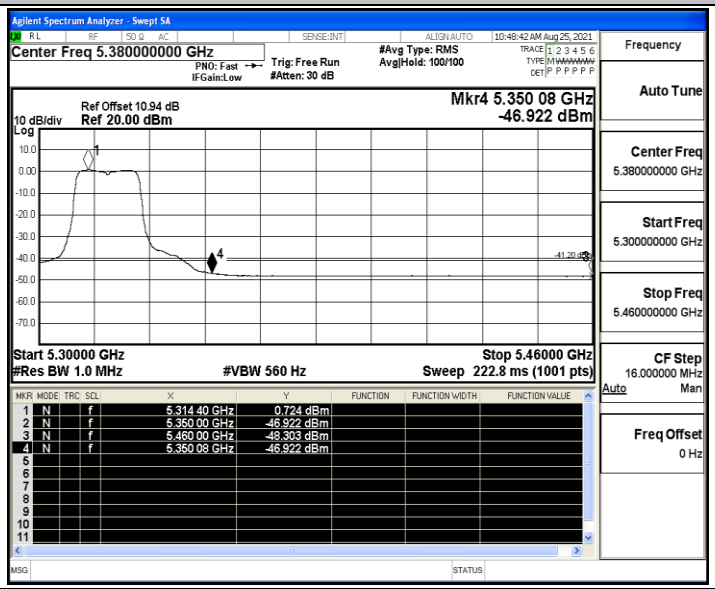
11AC20SISO_Ant1_Low_5260_AV



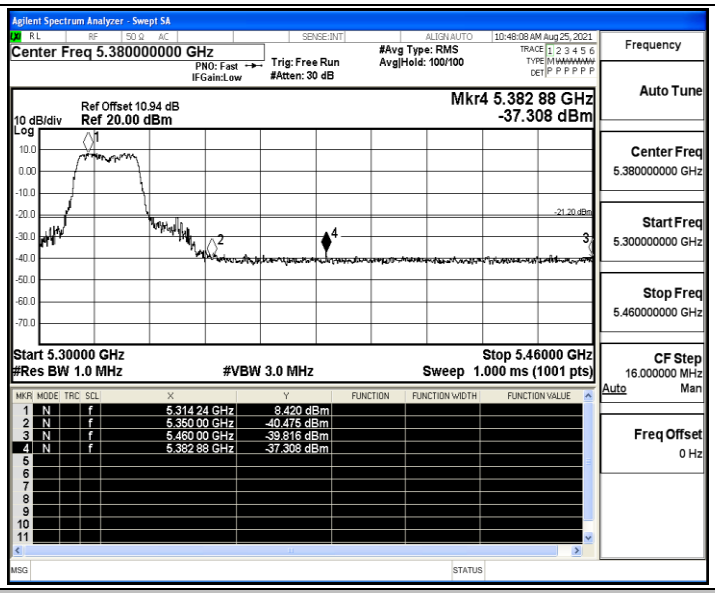
11AC20SISO_Ant1_Low_5260_Peak



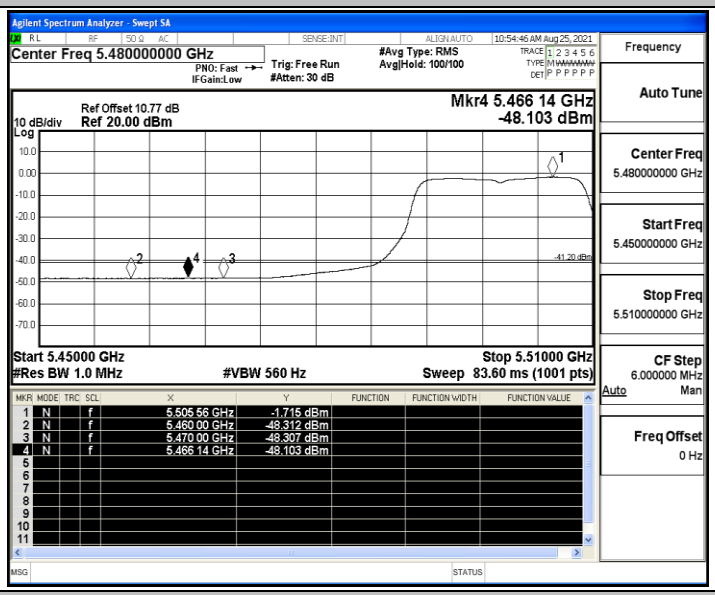
11AC20SISO_Ant1_High_5320_AV



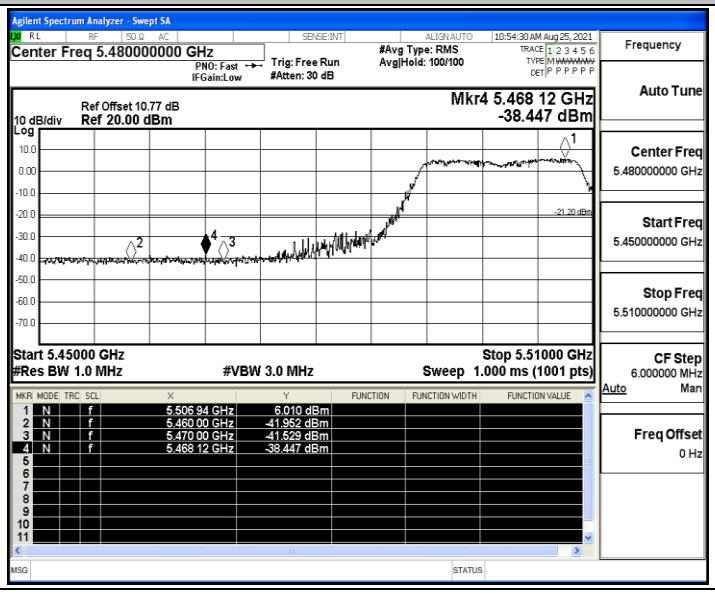
11AC20SISO_Ant1_High_5320_Peak



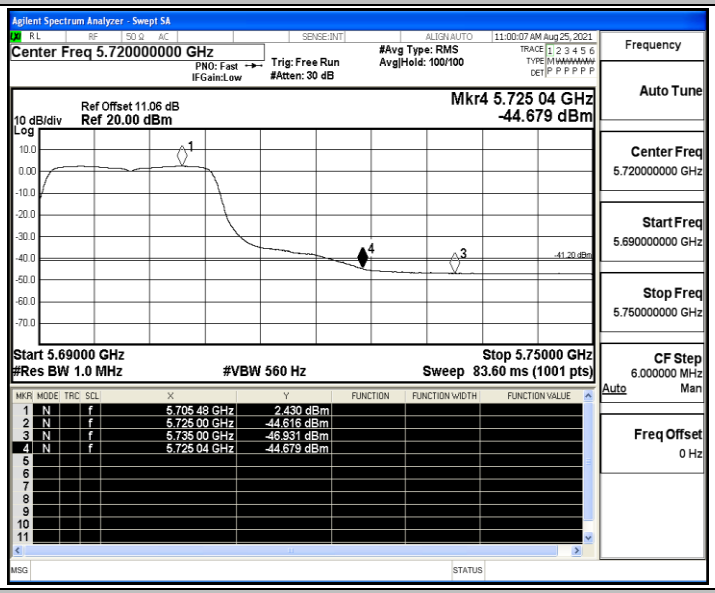
11AC20SISO_Ant1_Low_5500_AV



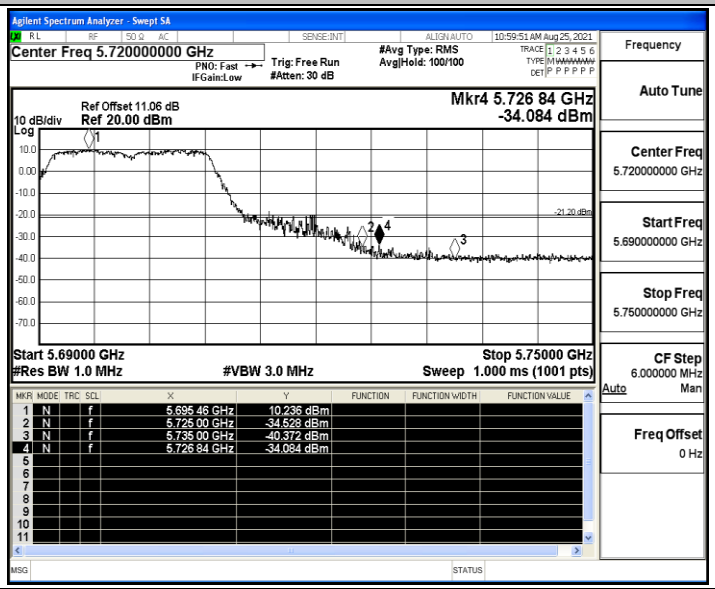
11AC20SISO_Ant1_Low_5500_Peak



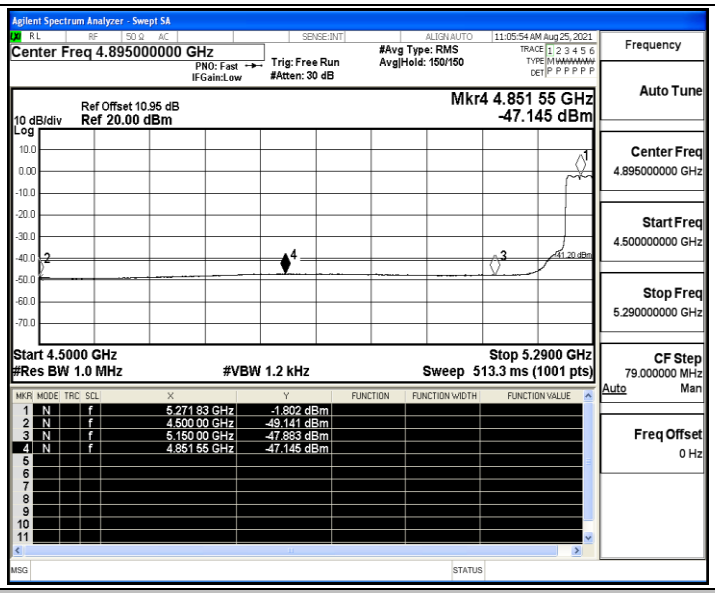
11AC20SISO_Ant1_High_5700_AV



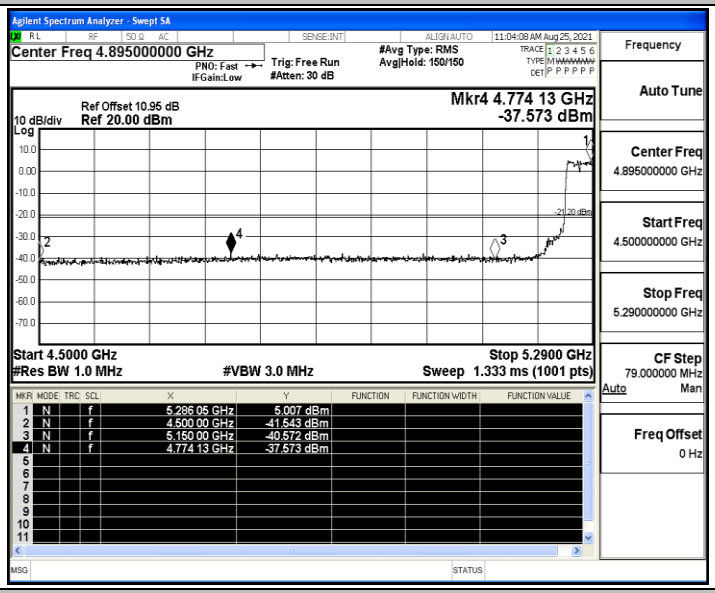
11AC20SISO_Ant1_High_5700_Peak



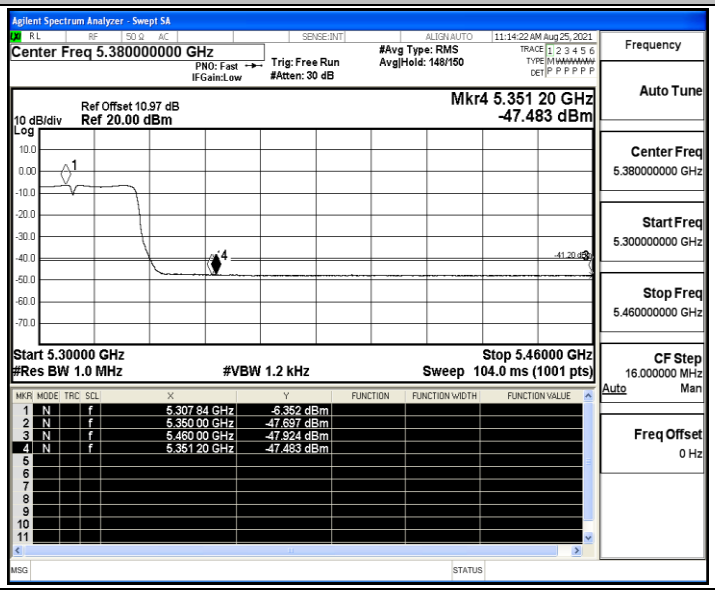
11AC40SISO_Ant1_Low_5270_AV



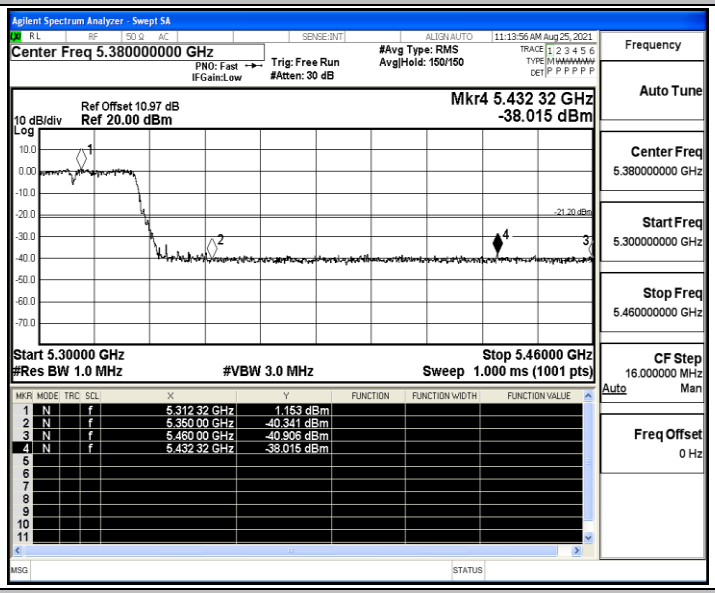
11AC40SISO_Ant1_Low_5270_Peak



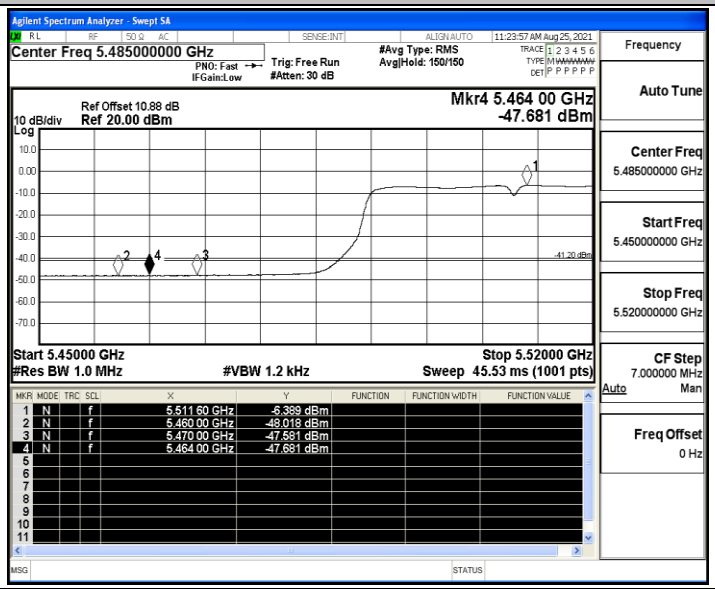
11AC40SISO_Ant1_High_5310_AV



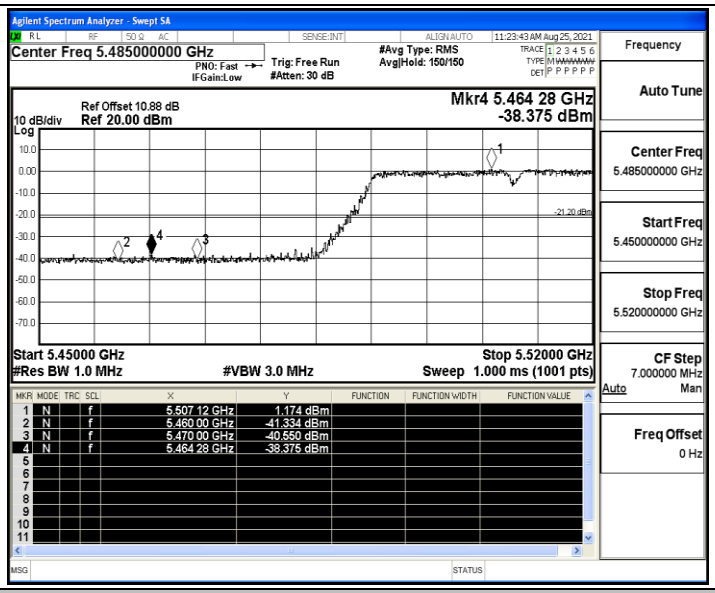
11AC40SISO_Ant1_High_5310_Peak



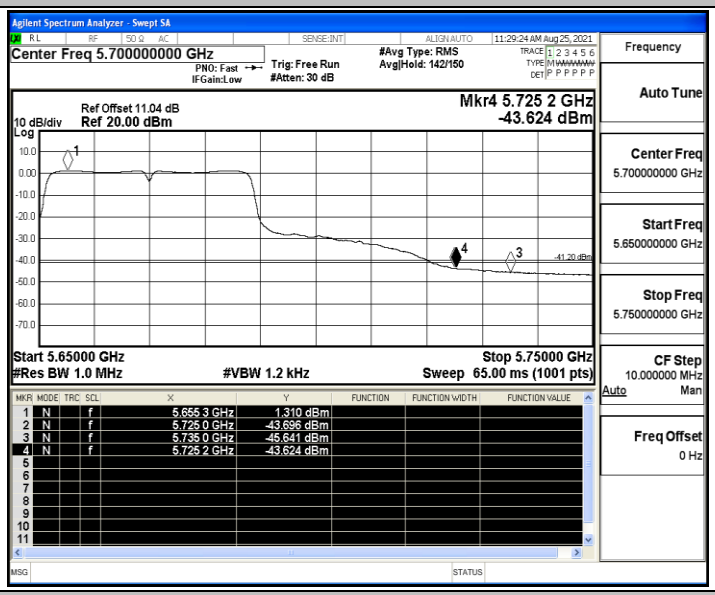
11AC40SISO_Ant1_Low_5510_AV



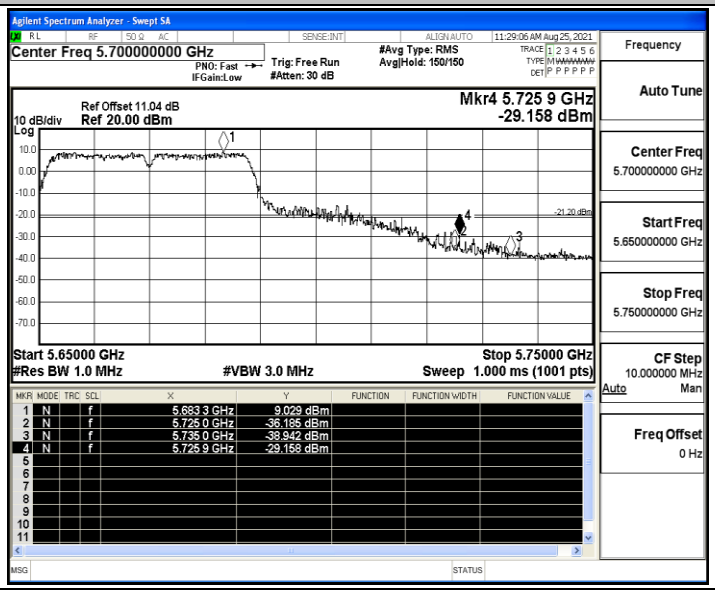
11AC40SISO_Ant1_Low_5510_Peak



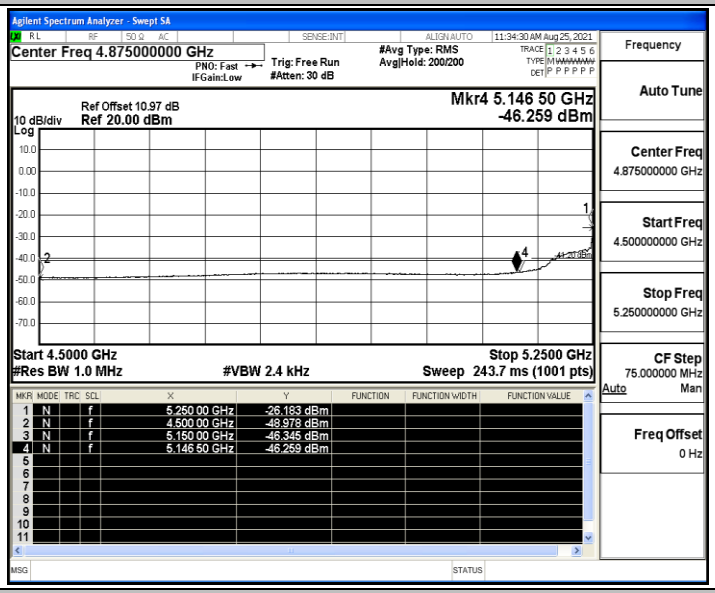
11AC40SISO_Ant1_High_5670_AV



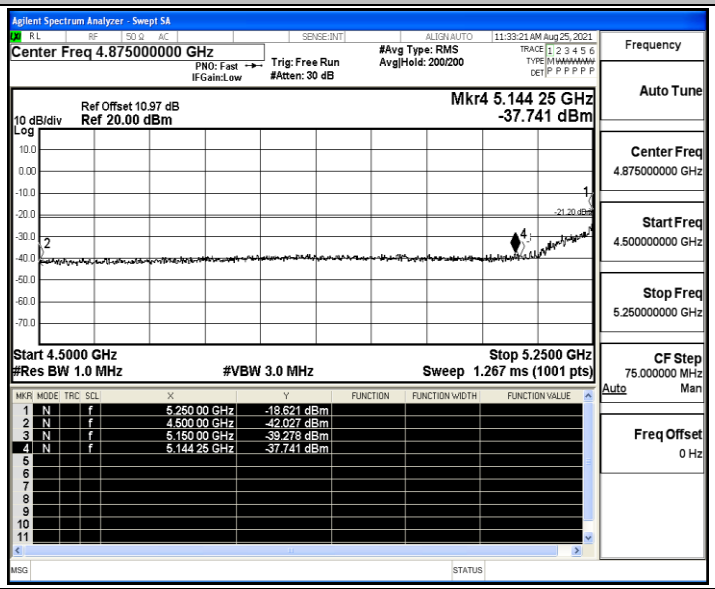
11AC40SISO_Ant1_High_5670_Peak



11AC80SISO_Ant1_Low_5290_AV



11AC80SISO_Ant1_Low_5290_Peak



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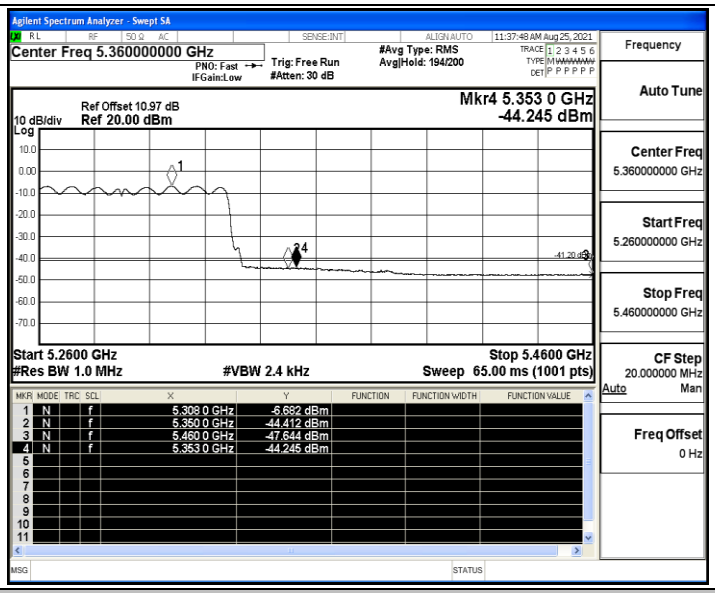
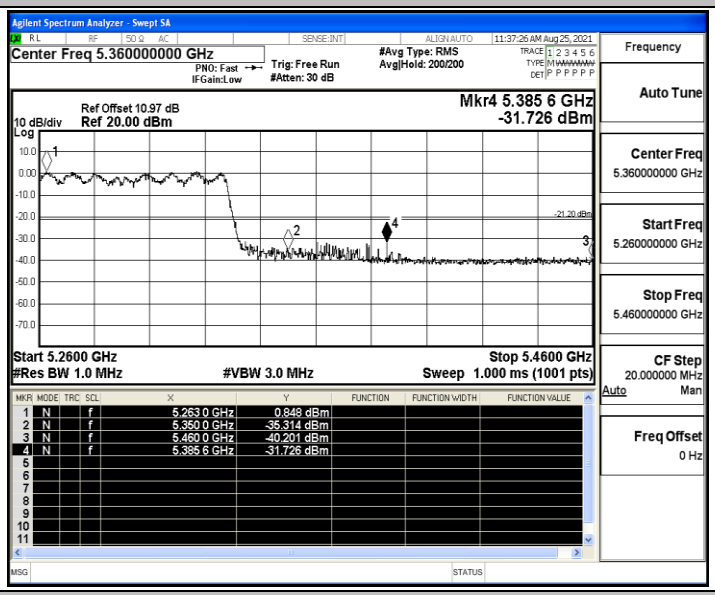
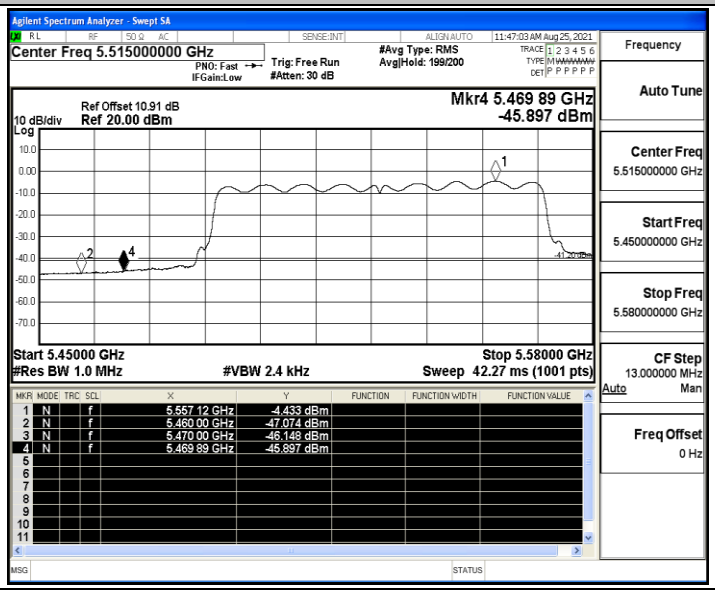


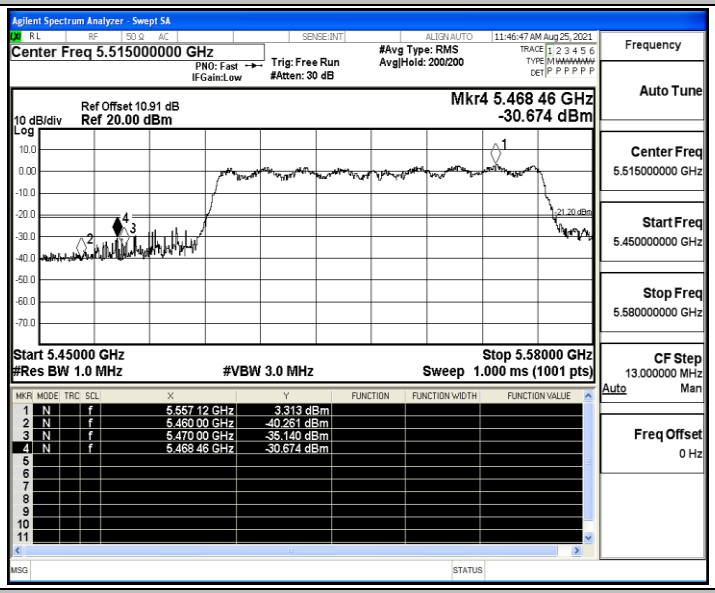
11AC80SISO_Ant1_High_5290_Peak



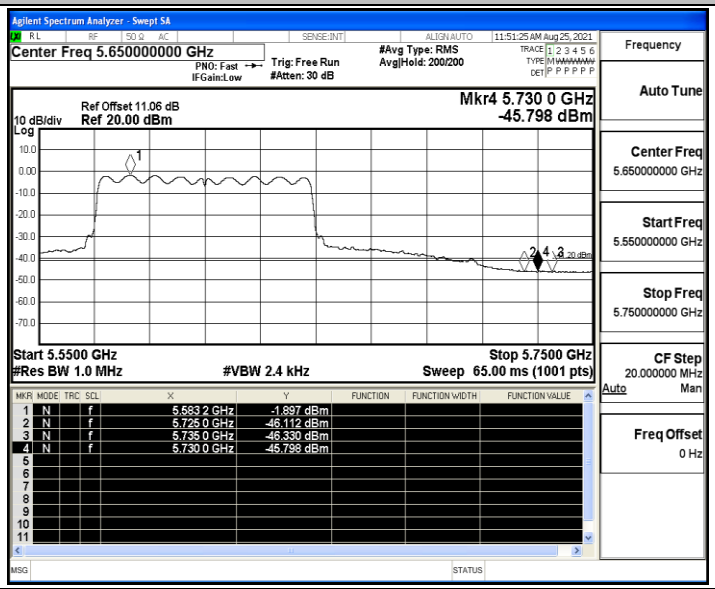
11AC80SISO_Ant1_Low_5530_AV



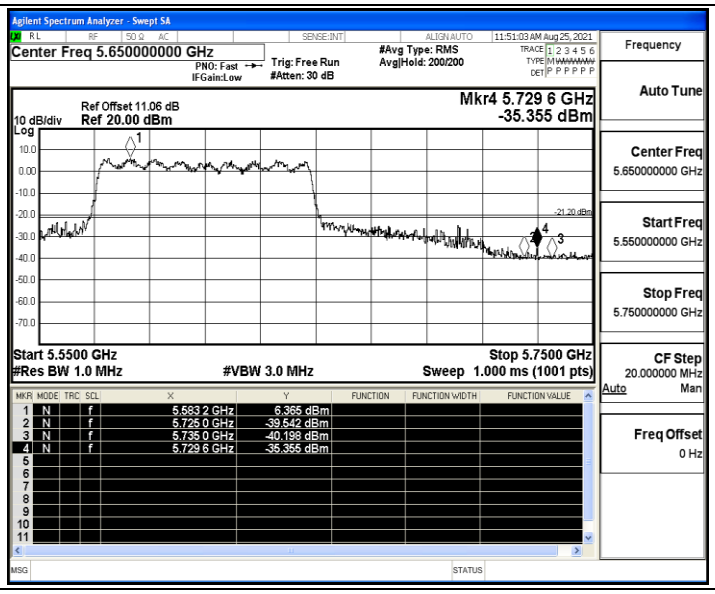
11AC80SISO_Ant1_Low_5530_Peak



11AC80SISO_Ant1_High_5610_AV



11AC80SISO_Ant1_High_5610_Peak


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.650000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 200/200
11:51:03 AM Aug 25, 2021
Ref Offset 11.06 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr4 5.729 6 GHz
-35.355 dBm
-21.20 dBm
Start 5.5500 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 5.7500 GHz
Sweep 1.000 ms (1001 pts)
1 N f 5.583 2 GHz 6.365 dBm
2 N f 5.725 0 GHz -39.542 dBm
3 N f 5.735 0 GHz -40.198 dBm
4 N f 5.729 6 GHz -35.355 dBm
Frequency
Auto Tune
Center Freq
5.650000000 GHz
Start Freq
5.550000000 GHz
Stop Freq
5.750000000 GHz
CF Step
20.000000 MHz
Auto
Man
Freq Offset
0 Hz

E.6 Frequency Stability

Test Result

Voltage								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5260	NV	NT	-41000	-7.794677	20	PASS
			LV	NT	-42000	-7.984791	20	PASS
			HV	NT	-42000	-7.984791	20	PASS
		5280	NV	NT	-43000	-8.143939	20	PASS
			LV	NT	-42000	-7.954545	20	PASS
			HV	NT	-42000	-7.954545	20	PASS
		5320	NV	NT	-43000	-8.082707	20	PASS
			LV	NT	-42000	-7.894737	20	PASS
			HV	NT	-42000	-7.894737	20	PASS
		5500	NV	NT	-44000	-8	20	PASS
			LV	NT	-43000	-7.818182	20	PASS
			HV	NT	-43000	-7.818182	20	PASS
		5580	NV	NT	-44000	-7.885305	20	PASS
			LV	NT	-44000	-7.885305	20	PASS
			HV	NT	-44000	-7.885305	20	PASS
		5700	NV	NT	-46000	-8.070175	20	PASS
			LV	NT	-45000	-7.894737	20	PASS
			HV	NT	-45000	-7.894737	20	PASS
11N20SISO	Ant1	5260	NV	NT	-42000	-7.984791	20	PASS
			LV	NT	-41000	-7.794677	20	PASS
			HV	NT	-41000	-7.794677	20	PASS
		5280	NV	NT	-42000	-7.954545	20	PASS
			LV	NT	-41000	-7.765152	20	PASS
			HV	NT	-41000	-7.765152	20	PASS
		5320	NV	NT	-42000	-7.894737	20	PASS
			LV	NT	-41000	-7.706767	20	PASS
			HV	NT	-41000	-7.706767	20	PASS
		5500	NV	NT	-44000	-8	20	PASS
			LV	NT	-43000	-7.818182	20	PASS
			HV	NT	-43000	-7.818182	20	PASS
		5580	NV	NT	-44000	-7.885305	20	PASS
			LV	NT	-44000	-7.885305	20	PASS
			HV	NT	-43000	-7.706093	20	PASS
		5700	NV	NT	-45000	-7.894737	20	PASS
			LV	NT	-44000	-7.719298	20	PASS

			HV	NT	-44000	-7.719298	20	PASS
11N40SISO	Ant1	5270	NV	NT	-42000	-7.969639	20	PASS
			LV	NT	-41000	-7.779886	20	PASS
			HV	NT	-41000	-7.779886	20	PASS
		5310	NV	NT	-42000	-7.909605	20	PASS
			LV	NT	-41000	-7.721281	20	PASS
			HV	NT	-41000	-7.721281	20	PASS
		5510	NV	NT	-43000	-7.803993	20	PASS
			LV	NT	-42000	-7.622505	20	PASS
			HV	NT	-43000	-7.803993	20	PASS
		5550	NV	NT	-43000	-7.747748	20	PASS
			LV	NT	-43000	-7.747748	20	PASS
			HV	NT	-43000	-7.747748	20	PASS
		5670	NV	NT	-45000	-7.936508	20	PASS
			LV	NT	-44000	-7.760141	20	PASS
			HV	NT	-44000	-7.760141	20	PASS
11AC20SISO	Ant1	5260	NV	NT	-42000	-7.984791	20	PASS
			LV	NT	-40000	-7.604563	20	PASS
			HV	NT	-40000	-7.604563	20	PASS
		5280	NV	NT	-42000	-7.954545	20	PASS
			LV	NT	-40000	-7.575758	20	PASS
			HV	NT	-40000	-7.575758	20	PASS
		5320	NV	NT	-42000	-7.894737	20	PASS
			LV	NT	-41000	-7.706767	20	PASS
			HV	NT	-41000	-7.706767	20	PASS
		5500	NV	NT	-43000	-7.818182	20	PASS
			LV	NT	-42000	-7.636364	20	PASS
			HV	NT	-43000	-7.818182	20	PASS
		5580	NV	NT	-44000	-7.885305	20	PASS
			LV	NT	-43000	-7.706093	20	PASS
			HV	NT	-43000	-7.706093	20	PASS
		5700	NV	NT	-45000	-7.894737	20	PASS
			LV	NT	-44000	-7.719298	20	PASS
			HV	NT	-44000	-7.719298	20	PASS
11AC40SISO	Ant1	5270	NV	NT	-41000	-7.779886	20	PASS
			LV	NT	-40000	-7.590133	20	PASS
			HV	NT	-40000	-7.590133	20	PASS
		5310	NV	NT	-42000	-7.909605	20	PASS
			LV	NT	-40000	-7.532957	20	PASS
			HV	NT	-40000	-7.532957	20	PASS
		5510	NV	NT	-43000	-7.803993	20	PASS
			LV	NT	-42000	-7.622505	20	PASS
			HV	NT	-42000	-7.622505	20	PASS

		5550	NV	NT	-44000	-7.927928	20	PASS
			LV	NT	-43000	-7.747748	20	PASS
			HV	NT	-43000	-7.747748	20	PASS
		5670	NV	NT	-45000	-7.936508	20	PASS
			LV	NT	-44000	-7.760141	20	PASS
			HV	NT	-44000	-7.760141	20	PASS
11AC80SISO	Ant1	5290	NV	NT	-42000	-7.939509	20	PASS
			LV	NT	-41000	-7.750473	20	PASS
			HV	NT	-40000	-7.561437	20	PASS
		5530	NV	NT	-43000	-7.775769	20	PASS
			LV	NT	-43000	-7.775769	20	PASS
			HV	NT	-43000	-7.775769	20	PASS
		5610	NV	NT	-44000	-7.843137	20	PASS
			LV	NT	-43000	-7.664884	20	PASS
			HV	NT	-43000	-7.664884	20	PASS

Temperature								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5260	NV	-30	-42000	-7.984791	20	PASS
			NV	-20	-42000	-7.984791	20	PASS
			NV	-10	-42000	-7.984791	20	PASS
			NV	0	-42000	-7.984791	20	PASS
			NV	10	-42000	-7.984791	20	PASS
			NV	20	-42000	-7.984791	20	PASS
			NV	30	-42000	-7.984791	20	PASS
			NV	40	-42000	-7.984791	20	PASS
			NV	50	-42000	-7.984791	20	PASS
		5280	NV	-30	-42000	-7.954545	20	PASS
			NV	-20	-42000	-7.954545	20	PASS
			NV	-10	-42000	-7.954545	20	PASS
			NV	0	-42000	-7.954545	20	PASS
			NV	10	-42000	-7.954545	20	PASS
			NV	20	-41000	-7.765152	20	PASS
			NV	30	-41000	-7.765152	20	PASS
			NV	40	-42000	-7.954545	20	PASS
			NV	50	-42000	-7.954545	20	PASS
		5320	NV	-30	-42000	-7.894737	20	PASS
			NV	-20	-42000	-7.894737	20	PASS
			NV	-10	-42000	-7.894737	20	PASS
			NV	0	-41000	-7.706767	20	PASS
			NV	10	-42000	-7.894737	20	PASS
			NV	20	-42000	-7.894737	20	PASS

			NV	30	-41000	-7.706767	20	PASS
			NV	40	-41000	-7.706767	20	PASS
			NV	50	-42000	-7.894737	20	PASS
		5500	NV	-30	-43000	-7.818182	20	PASS
			NV	-20	-43000	-7.818182	20	PASS
			NV	-10	-43000	-7.818182	20	PASS
			NV	0	-43000	-7.818182	20	PASS
			NV	10	-43000	-7.818182	20	PASS
			NV	20	-43000	-7.818182	20	PASS
			NV	30	-43000	-7.818182	20	PASS
			NV	40	-43000	-7.818182	20	PASS
			NV	50	-43000	-7.818182	20	PASS
		5580	NV	-30	-44000	-7.885305	20	PASS
			NV	-20	-44000	-7.885305	20	PASS
			NV	-10	-44000	-7.885305	20	PASS
			NV	0	-44000	-7.885305	20	PASS
			NV	10	-44000	-7.885305	20	PASS
			NV	20	-44000	-7.885305	20	PASS
			NV	30	-43000	-7.706093	20	PASS
			NV	40	-44000	-7.885305	20	PASS
			NV	50	-43000	-7.706093	20	PASS
		5700	NV	-30	-45000	-7.894737	20	PASS
			NV	-20	-44000	-7.719298	20	PASS
			NV	-10	-44000	-7.719298	20	PASS
			NV	0	-45000	-7.894737	20	PASS
			NV	10	-44000	-7.719298	20	PASS
			NV	20	-44000	-7.719298	20	PASS
			NV	30	-44000	-7.719298	20	PASS
			NV	40	-45000	-7.894737	20	PASS
			NV	50	-44000	-7.719298	20	PASS
11N20SISO	Ant1	5260	NV	-30	-41000	-7.794677	20	PASS
			NV	-20	-41000	-7.794677	20	PASS
			NV	-10	-41000	-7.794677	20	PASS
			NV	0	-40000	-7.604563	20	PASS
			NV	10	-40000	-7.604563	20	PASS
			NV	20	-40000	-7.604563	20	PASS
			NV	30	-40000	-7.604563	20	PASS
			NV	40	-40000	-7.604563	20	PASS
			NV	50	-40000	-7.604563	20	PASS
		5280	NV	-30	-41000	-7.765152	20	PASS
			NV	-20	-41000	-7.765152	20	PASS
			NV	-10	-40000	-7.575758	20	PASS
			NV	0	-40000	-7.575758	20	PASS

			NV	10	-41000	-7.765152	20	PASS
			NV	20	-41000	-7.765152	20	PASS
			NV	30	-41000	-7.765152	20	PASS
			NV	40	-40000	-7.575758	20	PASS
			NV	50	-41000	-7.765152	20	PASS
		5320	NV	-30	-41000	-7.706767	20	PASS
			NV	-20	-41000	-7.706767	20	PASS
			NV	-10	-41000	-7.706767	20	PASS
			NV	0	-41000	-7.706767	20	PASS
			NV	10	-41000	-7.706767	20	PASS
			NV	20	-41000	-7.706767	20	PASS
			NV	30	-41000	-7.706767	20	PASS
			NV	40	-41000	-7.706767	20	PASS
			NV	50	-41000	-7.706767	20	PASS
		5500	NV	-30	-43000	-7.818182	20	PASS
			NV	-20	-43000	-7.818182	20	PASS
			NV	-10	-43000	-7.818182	20	PASS
			NV	0	-43000	-7.818182	20	PASS
			NV	10	-43000	-7.818182	20	PASS
			NV	20	-43000	-7.818182	20	PASS
			NV	30	-44000	-8	20	PASS
			NV	40	-44000	-8	20	PASS
			NV	50	-43000	-7.818182	20	PASS
		5580	NV	-30	-43000	-7.706093	20	PASS
			NV	-20	-43000	-7.706093	20	PASS
			NV	-10	-43000	-7.706093	20	PASS
			NV	0	-43000	-7.706093	20	PASS
			NV	10	-43000	-7.706093	20	PASS
			NV	20	-43000	-7.706093	20	PASS
			NV	30	-43000	-7.706093	20	PASS
			NV	40	-43000	-7.706093	20	PASS
			NV	50	-43000	-7.706093	20	PASS
		5700	NV	-30	-44000	-7.719298	20	PASS
			NV	-20	-44000	-7.719298	20	PASS
			NV	-10	-44000	-7.719298	20	PASS
			NV	0	-44000	-7.719298	20	PASS
			NV	10	-44000	-7.719298	20	PASS
			NV	20	-44000	-7.719298	20	PASS
			NV	30	-44000	-7.719298	20	PASS
			NV	40	-44000	-7.719298	20	PASS
			NV	50	-44000	-7.719298	20	PASS
11N40SISO	Ant1	5270	NV	-30	-41000	-7.779886	20	PASS
			NV	-20	-40000	-7.590133	20	PASS

			NV	-10	-40000	-7.590133	20	PASS
			NV	0	-40000	-7.590133	20	PASS
			NV	10	-40000	-7.590133	20	PASS
			NV	20	-40000	-7.590133	20	PASS
			NV	30	-40000	-7.590133	20	PASS
			NV	40	-40000	-7.590133	20	PASS
			NV	50	-40000	-7.590133	20	PASS
		5310	NV	-30	-41000	-7.721281	20	PASS
			NV	-20	-40000	-7.532957	20	PASS
			NV	-10	-40000	-7.532957	20	PASS
			NV	0	-40000	-7.532957	20	PASS
			NV	10	-40000	-7.532957	20	PASS
			NV	20	-40000	-7.532957	20	PASS
			NV	30	-40000	-7.532957	20	PASS
			NV	40	-40000	-7.532957	20	PASS
			NV	50	-40000	-7.532957	20	PASS
		5510	NV	-30	-43000	-7.803993	20	PASS
			NV	-20	-43000	-7.803993	20	PASS
			NV	-10	-43000	-7.803993	20	PASS
			NV	0	-43000	-7.803993	20	PASS
			NV	10	-43000	-7.803993	20	PASS
			NV	20	-43000	-7.803993	20	PASS
			NV	30	-43000	-7.803993	20	PASS
			NV	40	-43000	-7.803993	20	PASS
			NV	50	-43000	-7.803993	20	PASS
		5550	NV	-30	-43000	-7.747748	20	PASS
			NV	-20	-43000	-7.747748	20	PASS
			NV	-10	-43000	-7.747748	20	PASS
			NV	0	-43000	-7.747748	20	PASS
			NV	10	-43000	-7.747748	20	PASS
			NV	20	-43000	-7.747748	20	PASS
			NV	30	-43000	-7.747748	20	PASS
			NV	40	-43000	-7.747748	20	PASS
			NV	50	-43000	-7.747748	20	PASS
		5670	NV	-30	-44000	-7.760141	20	PASS
			NV	-20	-44000	-7.760141	20	PASS
			NV	-10	-43000	-7.583774	20	PASS
			NV	0	-44000	-7.760141	20	PASS
			NV	10	-43000	-7.583774	20	PASS
			NV	20	-44000	-7.760141	20	PASS
			NV	30	-44000	-7.760141	20	PASS
			NV	40	-43000	-7.583774	20	PASS
			NV	50	-44000	-7.760141	20	PASS

11AC20SISO	Ant1	5260	NV	-30	-40000	-7.604563	20	PASS
			NV	-20	-40000	-7.604563	20	PASS
			NV	-10	-40000	-7.604563	20	PASS
			NV	0	-40000	-7.604563	20	PASS
			NV	10	-40000	-7.604563	20	PASS
			NV	20	-40000	-7.604563	20	PASS
			NV	30	-40000	-7.604563	20	PASS
			NV	40	-40000	-7.604563	20	PASS
			NV	50	-40000	-7.604563	20	PASS
		5280	NV	-30	-40000	-7.575758	20	PASS
			NV	-20	-40000	-7.575758	20	PASS
			NV	-10	-40000	-7.575758	20	PASS
			NV	0	-40000	-7.575758	20	PASS
			NV	10	-40000	-7.575758	20	PASS
			NV	20	-40000	-7.575758	20	PASS
			NV	30	-40000	-7.575758	20	PASS
			NV	40	-40000	-7.575758	20	PASS
			NV	50	-40000	-7.575758	20	PASS
		5320	NV	-30	-41000	-7.706767	20	PASS
			NV	-20	-40000	-7.518797	20	PASS
			NV	-10	-41000	-7.706767	20	PASS
			NV	0	-40000	-7.518797	20	PASS
			NV	10	-40000	-7.518797	20	PASS
			NV	20	-41000	-7.706767	20	PASS
			NV	30	-41000	-7.706767	20	PASS
			NV	40	-40000	-7.518797	20	PASS
			NV	50	-40000	-7.518797	20	PASS
		5500	NV	-30	-42000	-7.636364	20	PASS
			NV	-20	-42000	-7.636364	20	PASS
			NV	-10	-43000	-7.818182	20	PASS
			NV	0	-43000	-7.818182	20	PASS
			NV	10	-43000	-7.818182	20	PASS
			NV	20	-43000	-7.818182	20	PASS
			NV	30	-43000	-7.818182	20	PASS
			NV	40	-43000	-7.818182	20	PASS
			NV	50	-43000	-7.818182	20	PASS
		5580	NV	-30	-43000	-7.706093	20	PASS
			NV	-20	-43000	-7.706093	20	PASS
			NV	-10	-43000	-7.706093	20	PASS
			NV	0	-43000	-7.706093	20	PASS
			NV	10	-43000	-7.706093	20	PASS
			NV	20	-43000	-7.706093	20	PASS
			NV	30	-43000	-7.706093	20	PASS

			NV	40	-43000	-7.706093	20	PASS
			NV	50	-43000	-7.706093	20	PASS
		5700	NV	-30	-44000	-7.719298	20	PASS
			NV	-20	-44000	-7.719298	20	PASS
			NV	-10	-44000	-7.719298	20	PASS
			NV	0	-44000	-7.719298	20	PASS
			NV	10	-43000	-7.54386	20	PASS
			NV	20	-44000	-7.719298	20	PASS
			NV	30	-43000	-7.54386	20	PASS
			NV	40	-44000	-7.719298	20	PASS
			NV	50	-44000	-7.719298	20	PASS
11AC40SISO	Ant1	5270	NV	-30	-40000	-7.590133	20	PASS
			NV	-20	-40000	-7.590133	20	PASS
			NV	-10	-40000	-7.590133	20	PASS
			NV	0	-40000	-7.590133	20	PASS
			NV	10	-40000	-7.590133	20	PASS
			NV	20	-40000	-7.590133	20	PASS
			NV	30	-40000	-7.590133	20	PASS
			NV	40	-40000	-7.590133	20	PASS
			NV	50	-40000	-7.590133	20	PASS
		5310	NV	-30	-40000	-7.532957	20	PASS
			NV	-20	-40000	-7.532957	20	PASS
			NV	-10	-40000	-7.532957	20	PASS
			NV	0	-40000	-7.532957	20	PASS
			NV	10	-40000	-7.532957	20	PASS
			NV	20	-40000	-7.532957	20	PASS
			NV	30	-40000	-7.532957	20	PASS
			NV	40	-40000	-7.532957	20	PASS
			NV	50	-40000	-7.532957	20	PASS
		5510	NV	-30	-42000	-7.622505	20	PASS
			NV	-20	-42000	-7.622505	20	PASS
			NV	-10	-43000	-7.803993	20	PASS
			NV	0	-43000	-7.803993	20	PASS
			NV	10	-43000	-7.803993	20	PASS
			NV	20	-43000	-7.803993	20	PASS
			NV	30	-43000	-7.803993	20	PASS
			NV	40	-43000	-7.803993	20	PASS
			NV	50	-43000	-7.803993	20	PASS
		5550	NV	-30	-43000	-7.747748	20	PASS
			NV	-20	-43000	-7.747748	20	PASS
			NV	-10	-43000	-7.747748	20	PASS
			NV	0	-43000	-7.747748	20	PASS
			NV	10	-43000	-7.747748	20	PASS

			NV	20	-43000	-7.747748	20	PASS
			NV	30	-43000	-7.747748	20	PASS
			NV	40	-43000	-7.747748	20	PASS
			NV	50	-43000	-7.747748	20	PASS
		5670	NV	-30	-44000	-7.760141	20	PASS
			NV	-20	-44000	-7.760141	20	PASS
			NV	-10	-44000	-7.760141	20	PASS
			NV	0	-44000	-7.760141	20	PASS
			NV	10	-44000	-7.760141	20	PASS
			NV	20	-44000	-7.760141	20	PASS
			NV	30	-44000	-7.760141	20	PASS
			NV	40	-44000	-7.760141	20	PASS
			NV	50	-44000	-7.760141	20	PASS
11AC80SISO	Ant1	5290	NV	-30	-40000	-7.561437	20	PASS
			NV	-20	-40000	-7.561437	20	PASS
			NV	-10	-40000	-7.561437	20	PASS
			NV	0	-40000	-7.561437	20	PASS
			NV	10	-40000	-7.561437	20	PASS
			NV	20	-40000	-7.561437	20	PASS
			NV	30	-40000	-7.561437	20	PASS
			NV	40	-40000	-7.561437	20	PASS
			NV	50	-40000	-7.561437	20	PASS
		5530	NV	-30	-43000	-7.775769	20	PASS
			NV	-20	-43000	-7.775769	20	PASS
			NV	-10	-43000	-7.775769	20	PASS
			NV	0	-43000	-7.775769	20	PASS
			NV	10	-43000	-7.775769	20	PASS
			NV	20	-43000	-7.775769	20	PASS
			NV	30	-43000	-7.775769	20	PASS
			NV	40	-43000	-7.775769	20	PASS
			NV	50	-43000	-7.775769	20	PASS
		5610	NV	-30	-44000	-7.843137	20	PASS
			NV	-20	-43000	-7.664884	20	PASS
			NV	-10	-43000	-7.664884	20	PASS
			NV	0	-43000	-7.664884	20	PASS
			NV	10	-43000	-7.664884	20	PASS
			NV	20	-43000	-7.664884	20	PASS
			NV	30	-43000	-7.664884	20	PASS
			NV	40	-43000	-7.664884	20	PASS
			NV	50	-43000	-7.664884	20	PASS