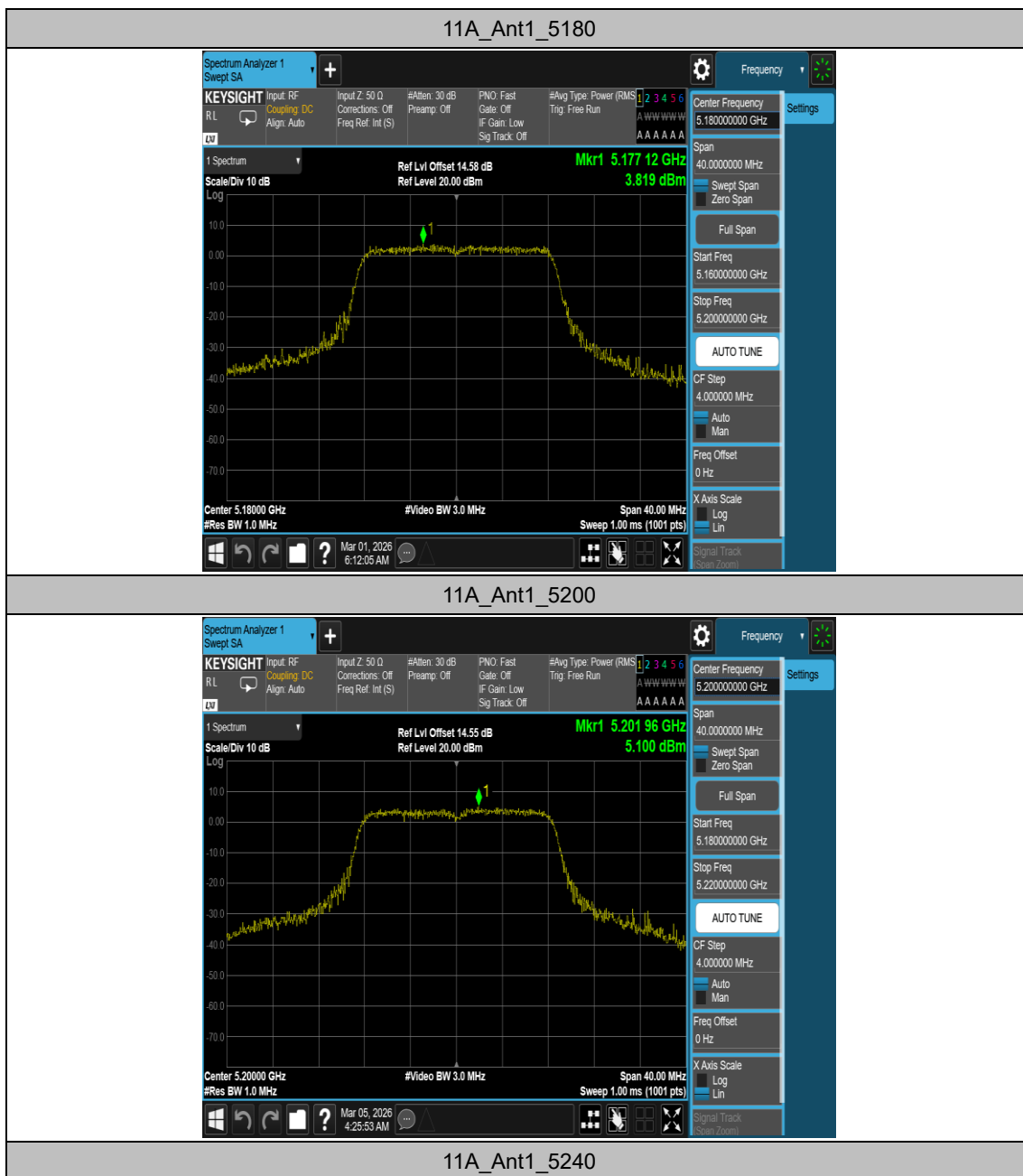
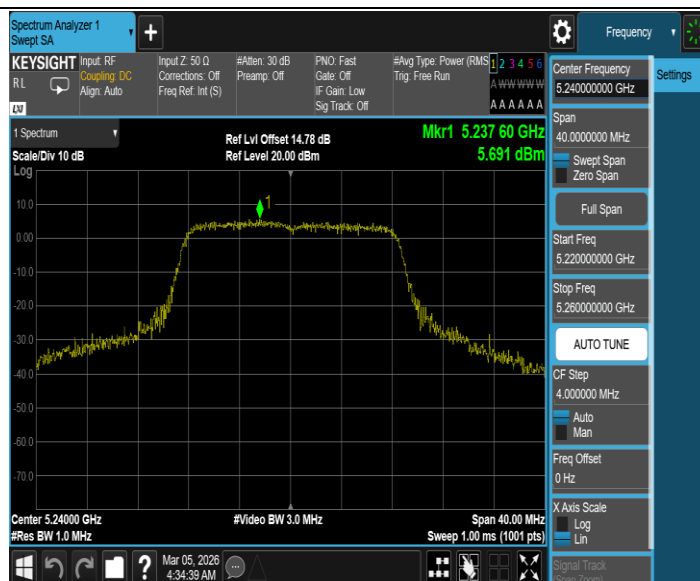
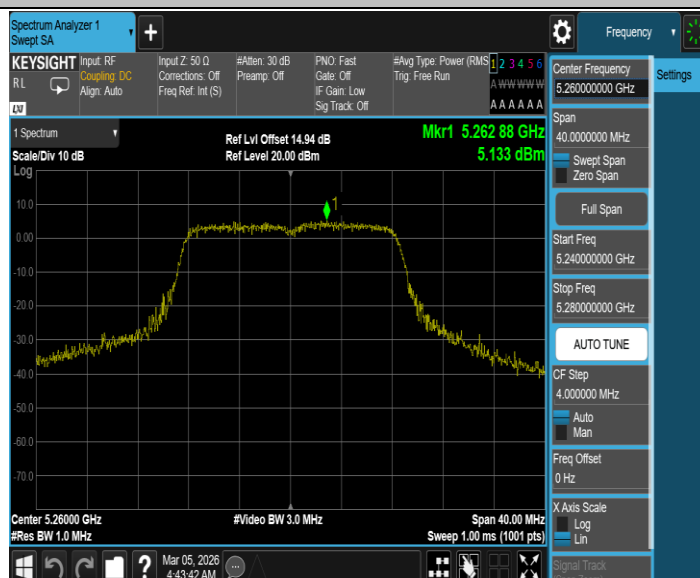


Test Graphs

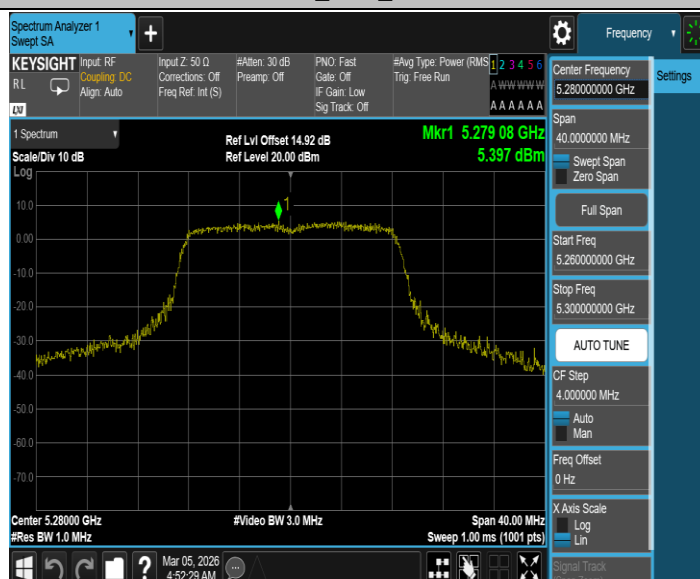




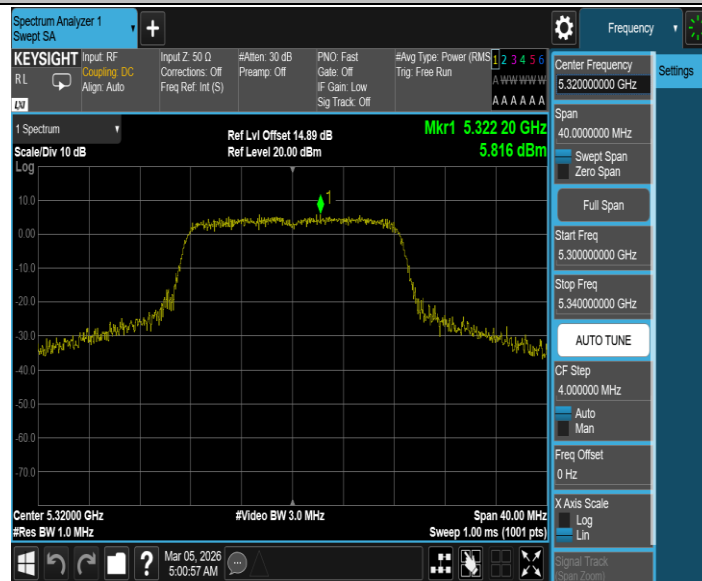
11A_Ant1_5260



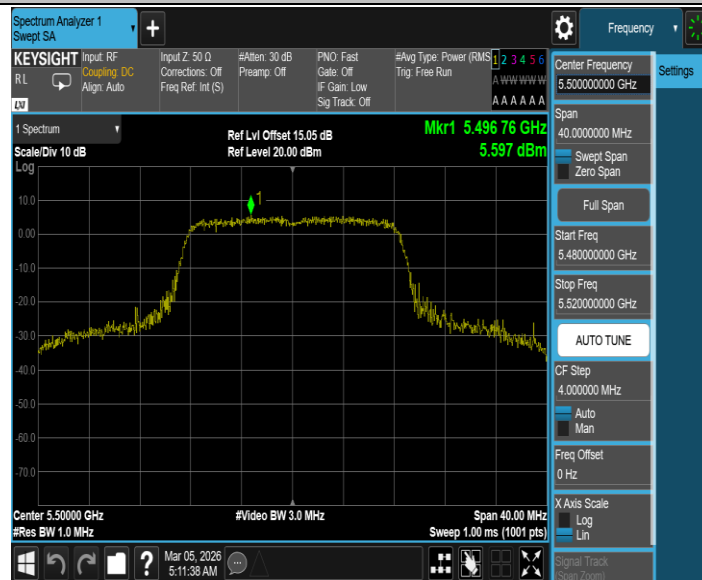
11A_Ant1_5280



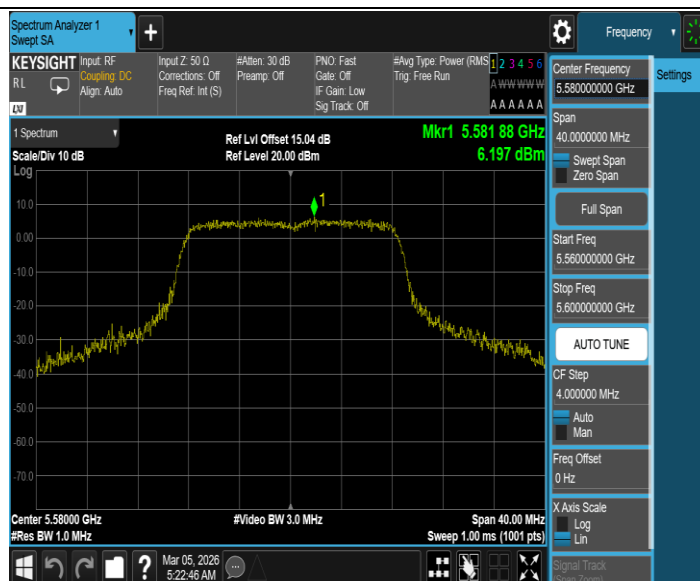
11A_Ant1_5320



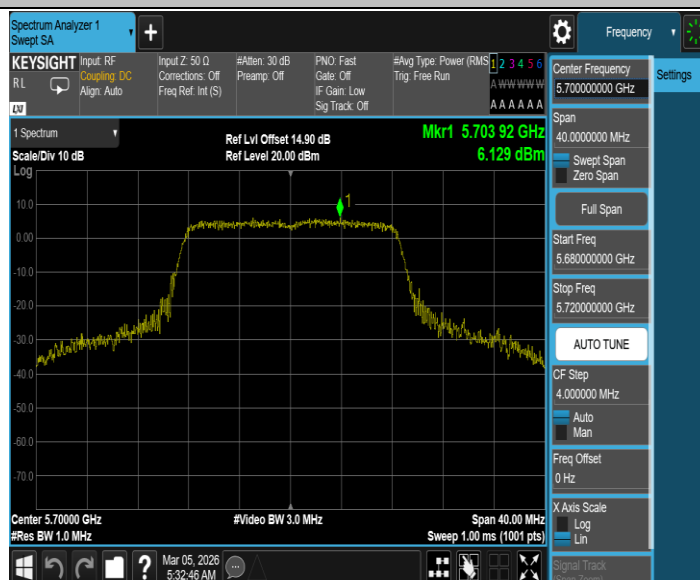
11A_Ant1_5500



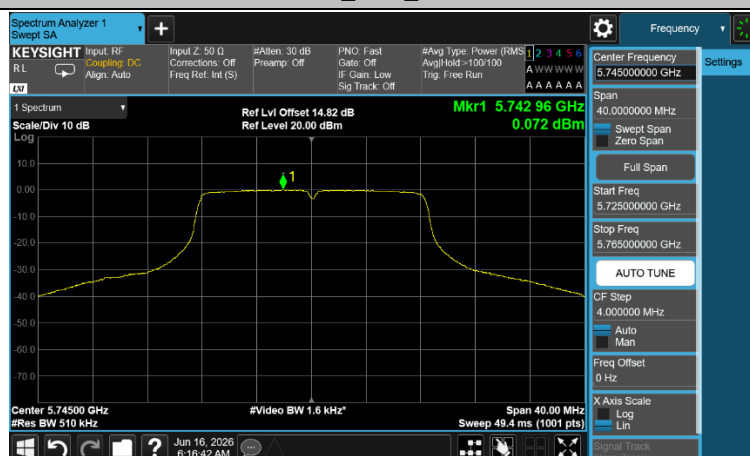
11A_Ant1_5580



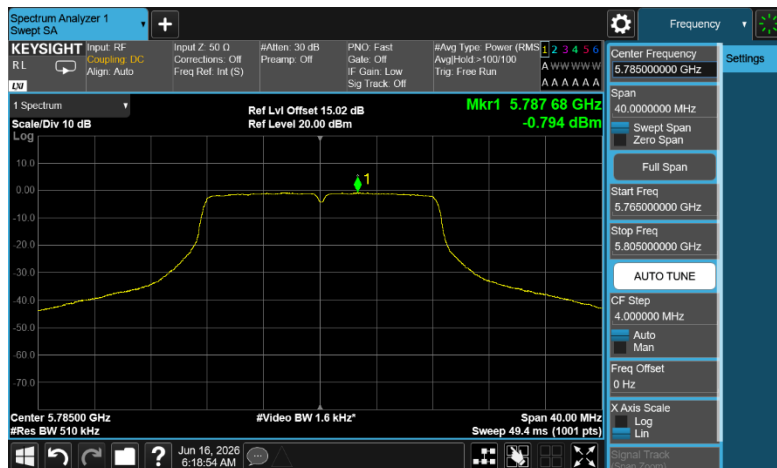
11A_Ant1_5700



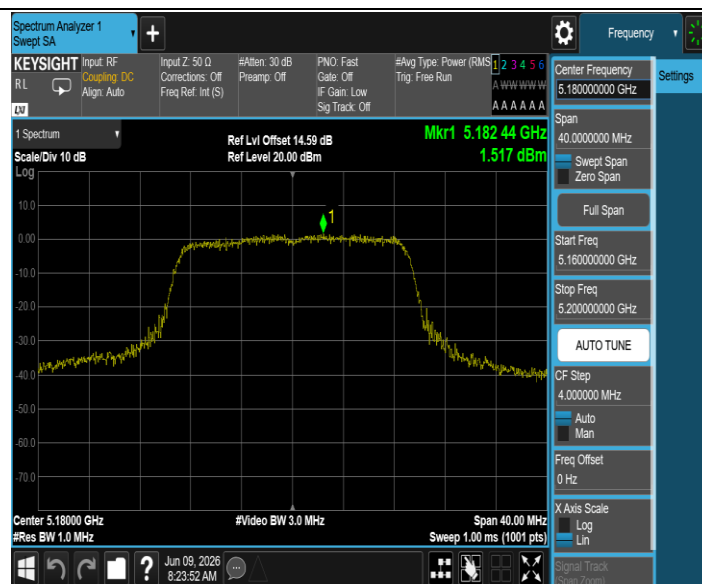
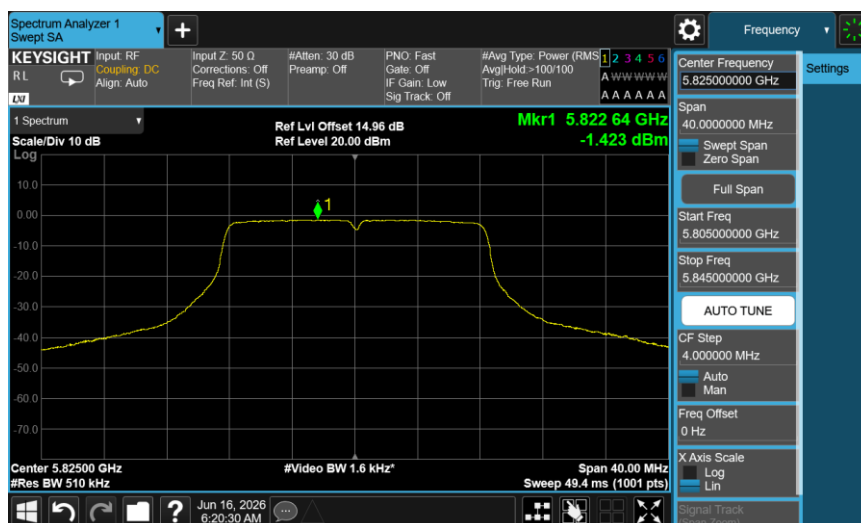
11A_Ant1_5745



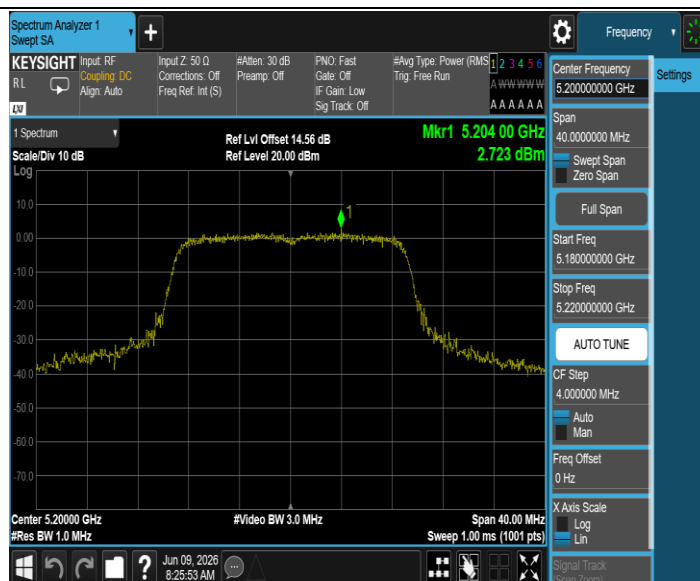
11A_Ant1_5785



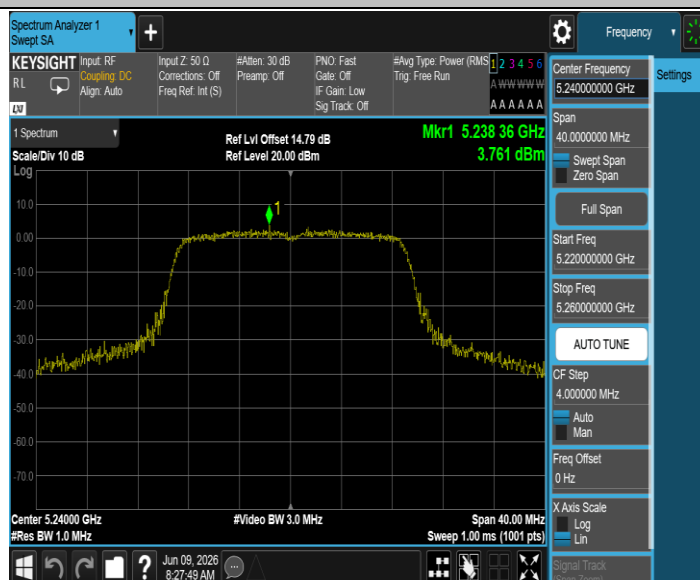
11A_Ant1_5825



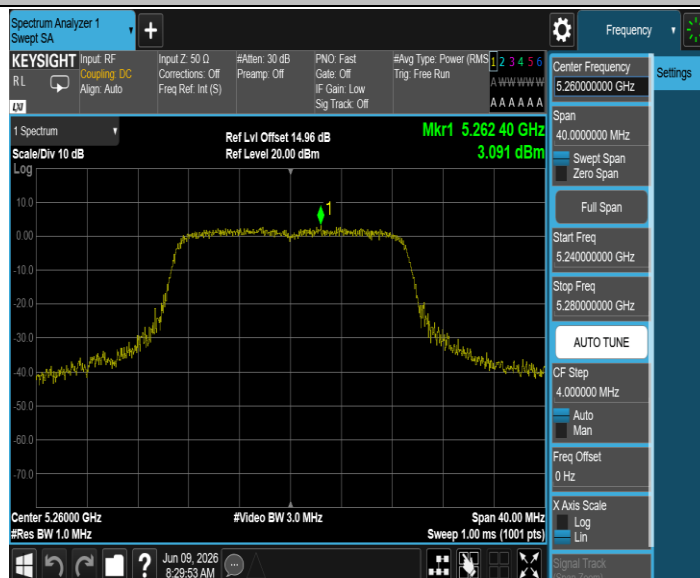
11N20SISO_Ant1_5180



11N20SISO_Ant1_5200

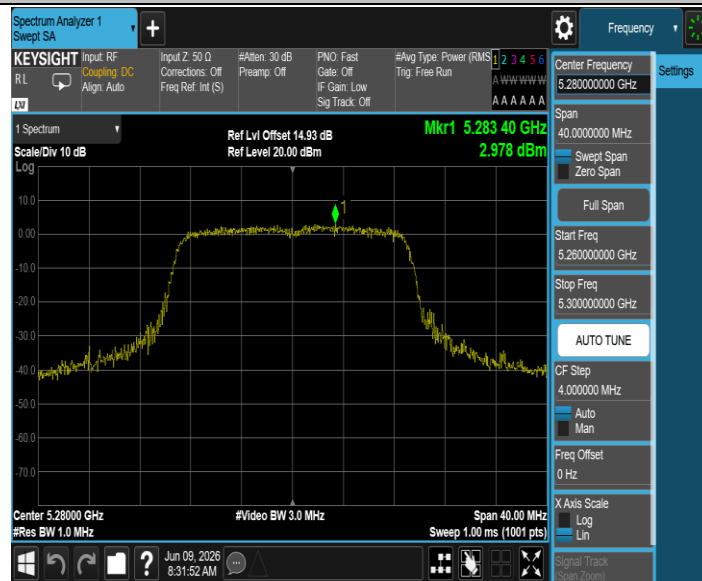


11N20SISO_Ant1_5240

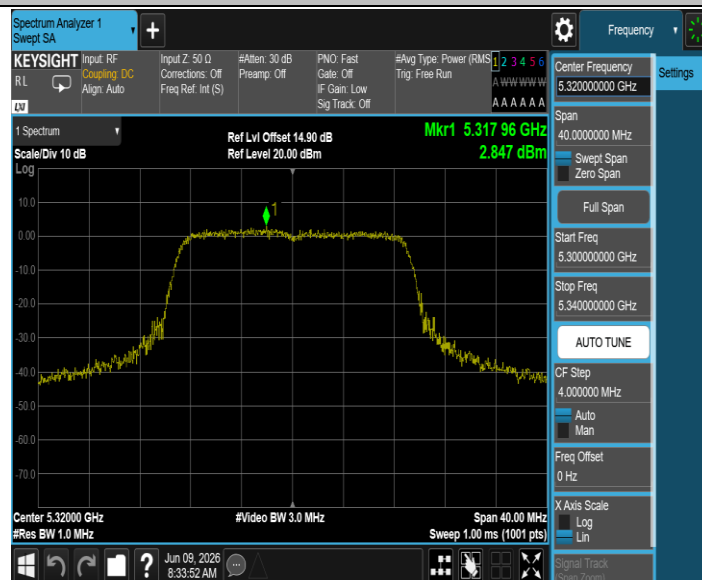


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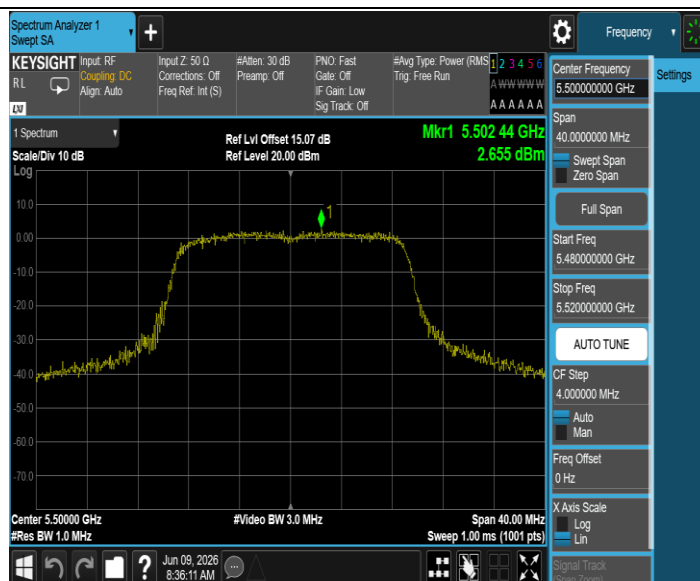
11N20SISO_Ant1_5260



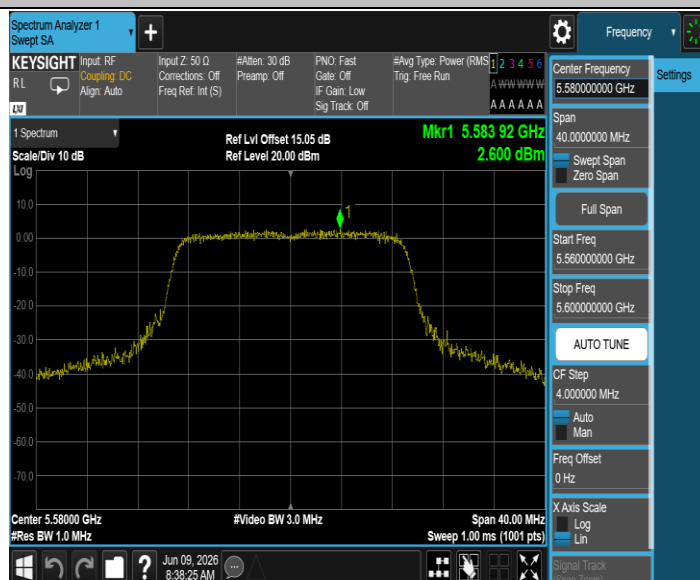
11N20SISO_Ant1_5280



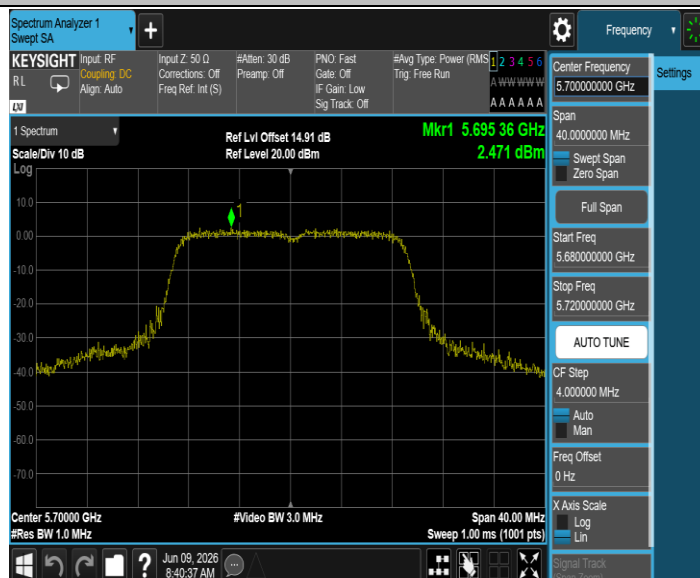
11N20SISO_Ant1_5320



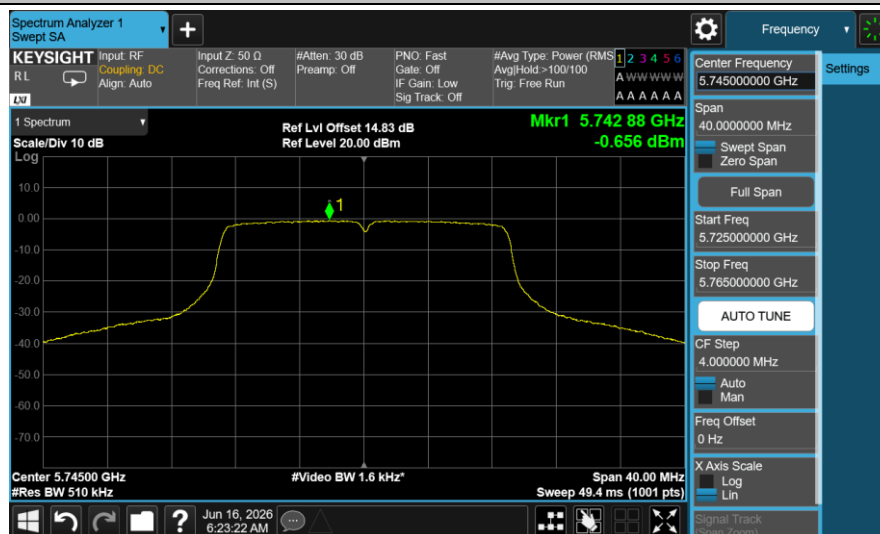
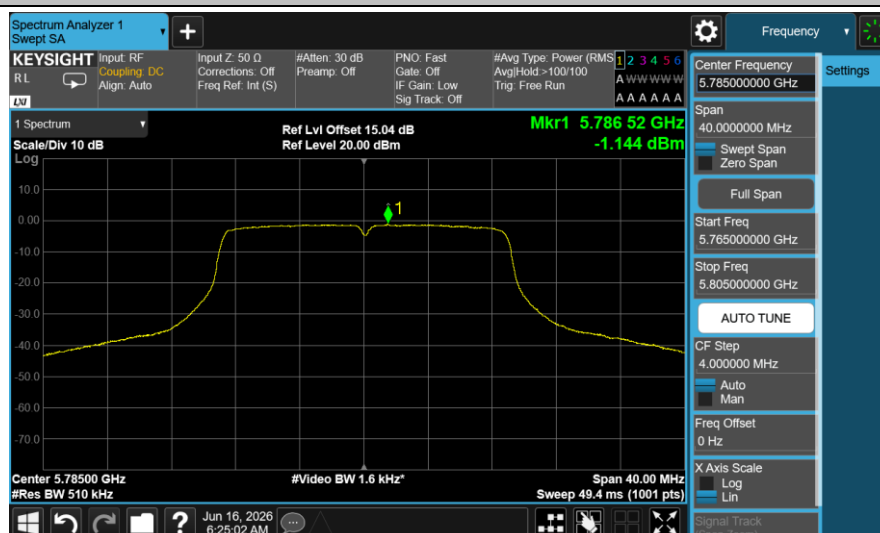
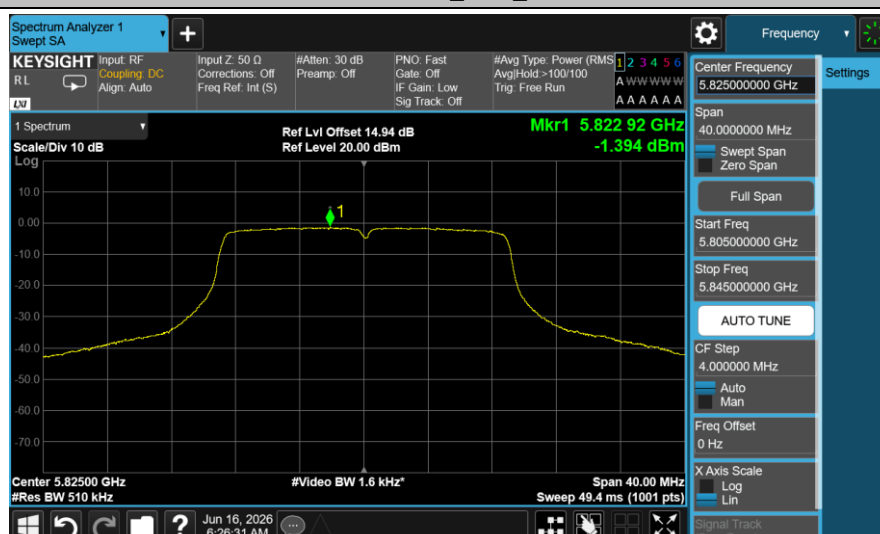
11N20SISO_Ant1_5500

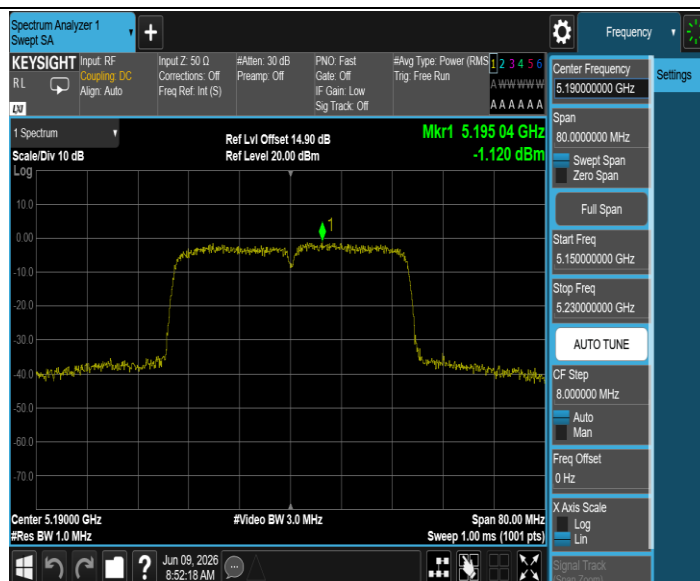


11N20SISO_Ant1_5580

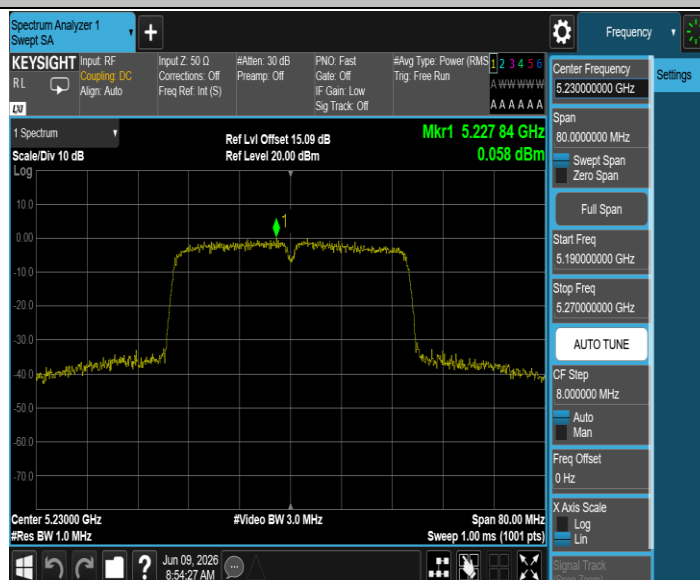


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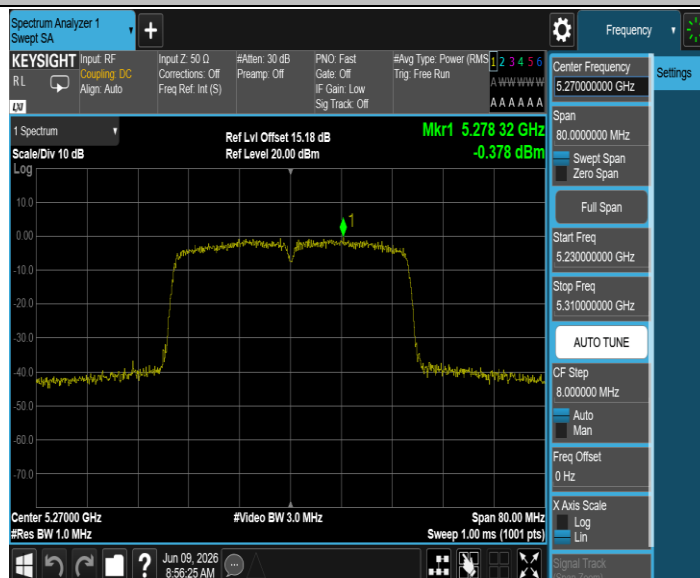
11N20SISO_Ant1_5700

11N20SISO_Ant1_5745

11N20SISO_Ant1_5785

11N20SISO_Ant1_5825



11N40SISO_Ant1_5190

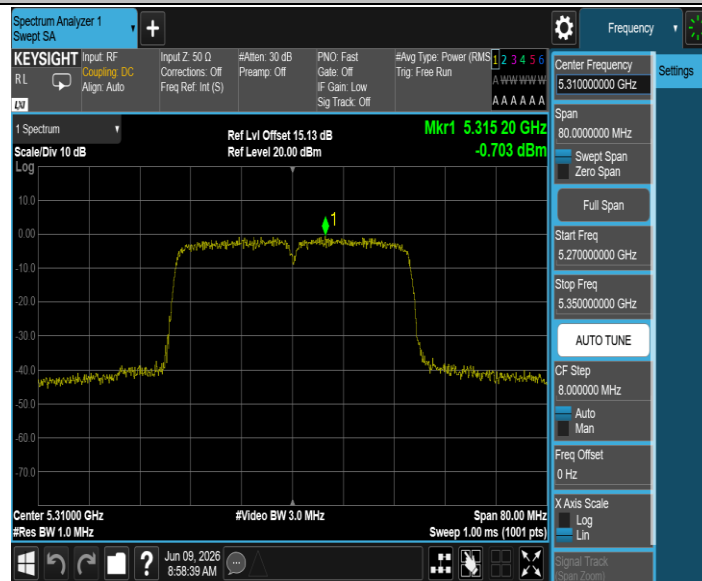


11N40SISO_Ant1_5230

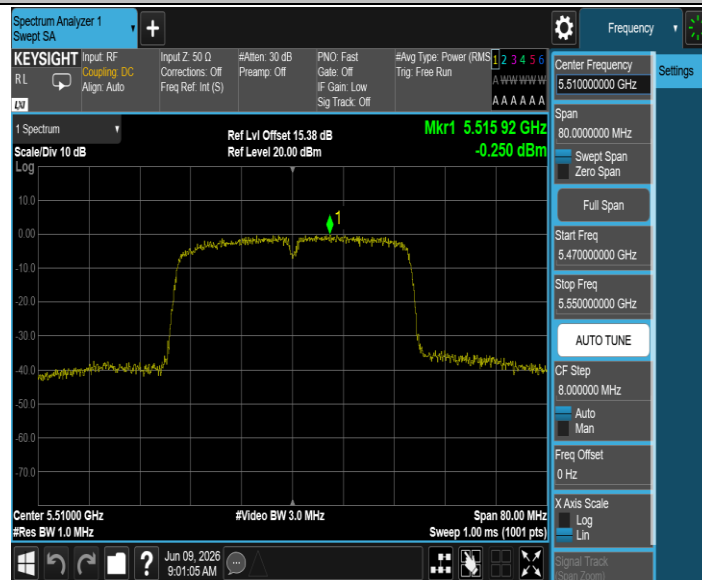


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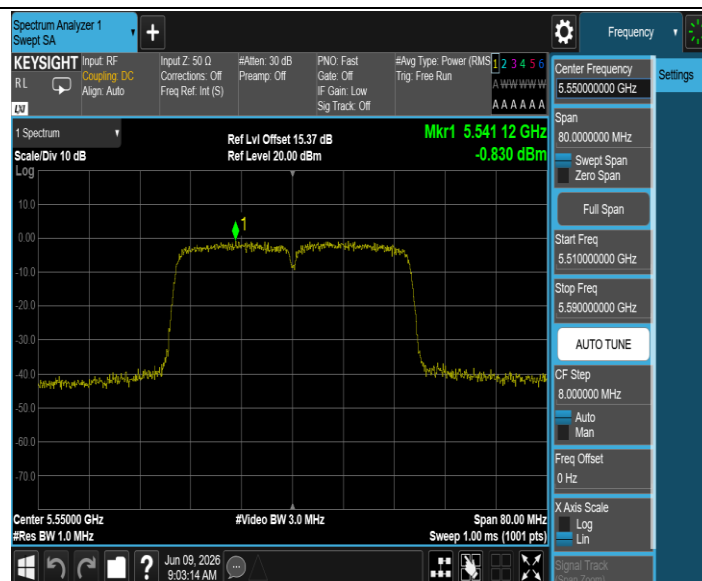
11N40SISO_Ant1_5270



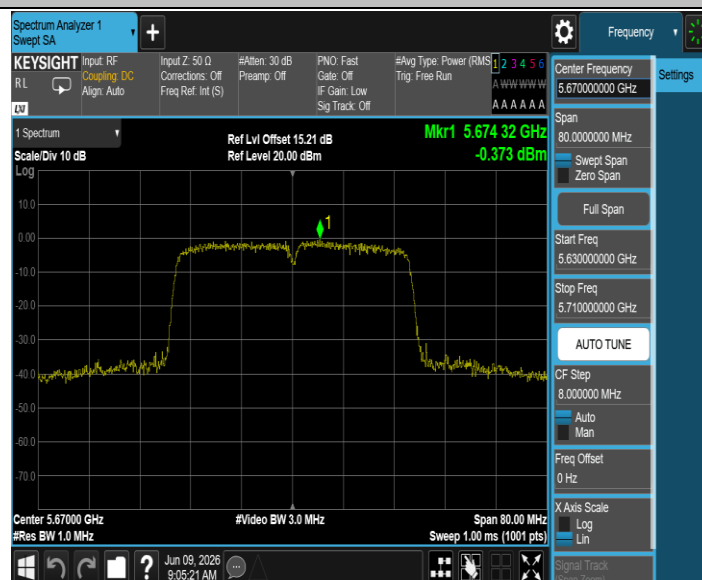
11N40SISO_Ant1_5310



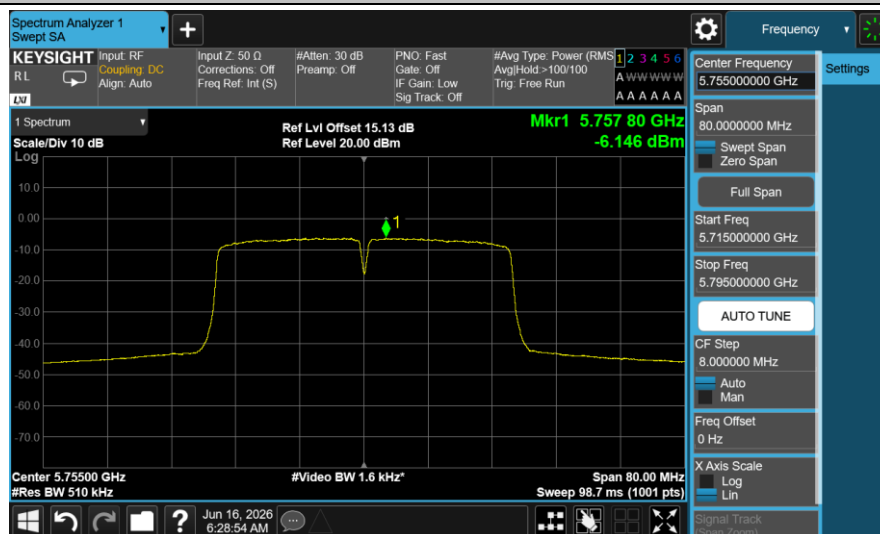
11N40SISO_Ant1_5510

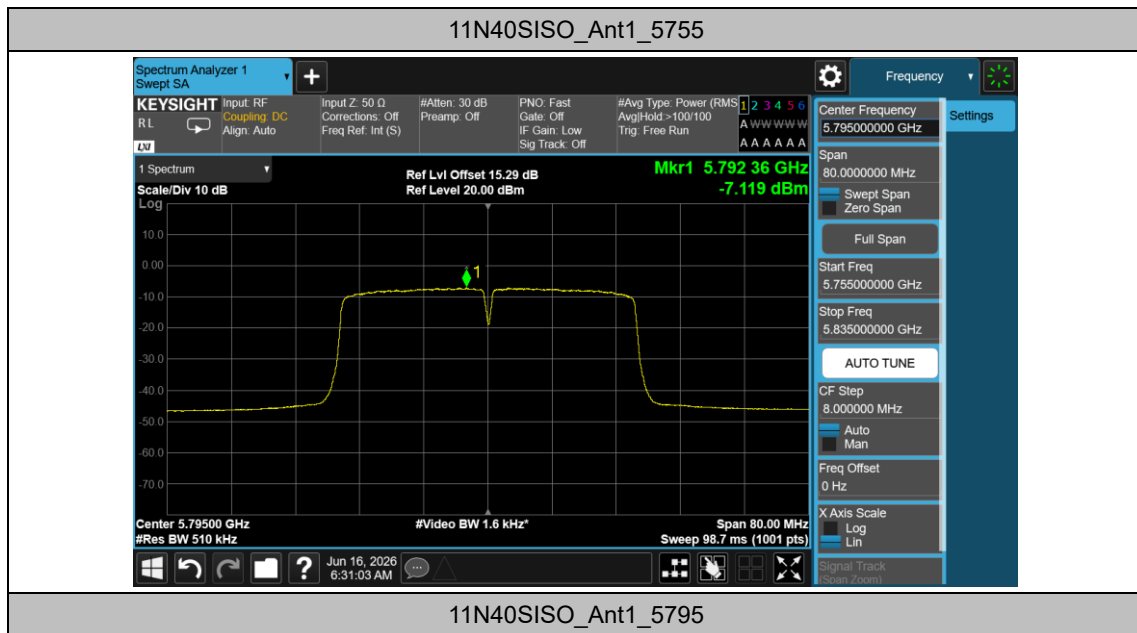


11N40SISO_Ant1_5550



11N40SISO_Ant1_5670





Appendix E: Frequency Stability

Test Result

Voltage								
TestMode	Antenna	Frequency [MHz]	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	NT	100000.00	19.305019	20	PASS
			LV	NT	100000.00	19.305019	20	PASS
			HV	NT	100000.00	19.305019	20	PASS
		5200	NV	NT	80000.00	15.384615	20	PASS
			LV	NT	60000.00	11.538462	20	PASS
			HV	NT	60000.00	11.538462	20	PASS
		5240	NV	NT	80000.00	15.267176	20	PASS
			LV	NT	100000.00	19.083969	20	PASS
			HV	NT	80000.00	15.267176	20	PASS
		5260	NV	NT	60000.00	11.406844	20	PASS
			LV	NT	100000.00	19.011407	20	PASS
			HV	NT	80000.00	15.209125	20	PASS
		5280	NV	NT	80000.00	15.151515	20	PASS
			LV	NT	80000.00	15.151515	20	PASS
			HV	NT	80000.00	15.151515	20	PASS
		5320	NV	NT	80000.00	15.037594	20	PASS
			LV	NT	80000.00	15.037594	20	PASS
			HV	NT	80000.00	15.037594	20	PASS
		5500	NV	NT	100000.00	18.181818	20	PASS
			LV	NT	100000.00	18.181818	20	PASS
			HV	NT	100000.00	18.181818	20	PASS
		5580	NV	NT	100000.00	17.921147	20	PASS
			LV	NT	100000.00	17.921147	20	PASS
			HV	NT	100000.00	17.921147	20	PASS
		5700	NV	NT	80000.00	14.035088	20	PASS
			LV	NT	100000.00	17.543860	20	PASS
			HV	NT	80000.00	14.035088	20	PASS
		5745	NV	NT	-60000.00	-10.443864	20	PASS
			LV	NT	-60000.00	-10.443864	20	PASS
			HV	NT	-60000.00	-10.443864	20	PASS
		5785	NV	NT	-60000.00	-10.371651	20	PASS
			LV	NT	-60000.00	-10.371651	20	PASS
			HV	NT	-60000.00	-10.371651	20	PASS
		5825	NV	NT	-60000.00	-10.300429	20	PASS
			LV	NT	-60000.00	-10.300429	20	PASS
			HV	NT	-60000.00	-10.300429	20	PASS

11N40SI SO	Ant1	5190	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5230	NV	NT	40000.00	7.648184	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5270	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5310	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5510	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5550	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5670	NV	NT	-40000.00	-7.054674	20	PASS
			LV	NT	-40000.00	-7.054674	20	PASS
			HV	NT	-40000.00	-7.054674	20	PASS
		5755	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5795	NV	NT	40000.00	6.902502	20	PASS
			LV	NT	40000.00	6.902502	20	PASS
			HV	NT	0.00	0.000000	20	PASS

Temperature								
TestMode	Antenna	Frequen cy[MHz]	Voltage [Vdc]	Temper ature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	-30	100000.00	19.305019	20	PASS
			NV	-20	100000.00	19.305019	20	PASS
			NV	-10	100000.00	19.305019	20	PASS
			NV	0	100000.00	19.305019	20	PASS
			NV	10	100000.00	19.305019	20	PASS
			NV	20	80000.00	15.444015	20	PASS
			NV	30	80000.00	15.444015	20	PASS
			NV	40	80000.00	15.444015	20	PASS
			NV	50	100000.00	19.305019	20	PASS
		5200	NV	-30	60000.00	11.538462	20	PASS
			NV	-20	60000.00	11.538462	20	PASS

			NV	-10	60000.00	11.538462	20	PASS
			NV	0	60000.00	11.538462	20	PASS
			NV	10	60000.00	11.538462	20	PASS
			NV	20	60000.00	11.538462	20	PASS
			NV	30	60000.00	11.538462	20	PASS
			NV	40	60000.00	11.538462	20	PASS
			NV	50	60000.00	11.538462	20	PASS
		5240	NV	-30	100000.00	19.083969	20	PASS
			NV	-20	100000.00	19.083969	20	PASS
			NV	-10	80000.00	15.267176	20	PASS
			NV	0	80000.00	15.267176	20	PASS
			NV	10	100000.00	19.083969	20	PASS
			NV	20	100000.00	19.083969	20	PASS
			NV	30	100000.00	19.083969	20	PASS
			NV	40	80000.00	15.267176	20	PASS
			NV	50	100000.00	19.083969	20	PASS
		5260	NV	-30	100000.00	19.011407	20	PASS
			NV	-20	80000.00	15.209125	20	PASS
			NV	-10	80000.00	15.209125	20	PASS
			NV	0	60000.00	11.406844	20	PASS
			NV	10	60000.00	11.406844	20	PASS
			NV	20	60000.00	11.406844	20	PASS
			NV	30	80000.00	15.209125	20	PASS
			NV	40	60000.00	11.406844	20	PASS
			NV	50	80000.00	15.209125	20	PASS
		5280	NV	-30	60000.00	11.363636	20	PASS
			NV	-20	80000.00	15.151515	20	PASS
			NV	-10	100000.00	18.939394	20	PASS
			NV	0	80000.00	15.151515	20	PASS
			NV	10	80000.00	15.151515	20	PASS
			NV	20	80000.00	15.151515	20	PASS
			NV	30	100000.00	18.939394	20	PASS
			NV	40	80000.00	15.151515	20	PASS
			NV	50	100000.00	18.939394	20	PASS
		5320	NV	-30	80000.00	15.037594	20	PASS
			NV	-20	80000.00	15.037594	20	PASS
			NV	-10	80000.00	15.037594	20	PASS
			NV	0	100000.00	18.796992	20	PASS
			NV	10	100000.00	18.796992	20	PASS
			NV	20	80000.00	15.037594	20	PASS
			NV	30	100000.00	18.796992	20	PASS
			NV	40	80000.00	15.037594	20	PASS

			NV	50	80000.00	15.037594	20	PASS
		5500	NV	-30	100000.00	18.181818	20	PASS
			NV	-20	80000.00	14.545455	20	PASS
			NV	-10	100000.00	18.181818	20	PASS
			NV	0	100000.00	18.181818	20	PASS
			NV	10	80000.00	14.545455	20	PASS
			NV	20	100000.00	18.181818	20	PASS
			NV	30	80000.00	14.545455	20	PASS
			NV	40	100000.00	18.181818	20	PASS
			NV	50	100000.00	18.181818	20	PASS
		5580	NV	-30	100000.00	17.921147	20	PASS
			NV	-20	100000.00	17.921147	20	PASS
			NV	-10	100000.00	17.921147	20	PASS
			NV	0	100000.00	17.921147	20	PASS
			NV	10	100000.00	17.921147	20	PASS
			NV	20	100000.00	17.921147	20	PASS
			NV	30	100000.00	17.921147	20	PASS
			NV	40	100000.00	17.921147	20	PASS
			NV	50	100000.00	17.921147	20	PASS
		5700	NV	-30	100000.00	17.543860	20	PASS
			NV	-20	100000.00	17.543860	20	PASS
			NV	-10	100000.00	17.543860	20	PASS
			NV	0	100000.00	17.543860	20	PASS
			NV	10	100000.00	17.543860	20	PASS
			NV	20	100000.00	17.543860	20	PASS
			NV	30	100000.00	17.543860	20	PASS
			NV	40	100000.00	17.543860	20	PASS
			NV	50	100000.00	17.543860	20	PASS
		5745	NV	-30	-60000.00	-10.443864	20	PASS
			NV	-20	-60000.00	-10.443864	20	PASS
			NV	-10	-60000.00	-10.443864	20	PASS
			NV	0	-60000.00	-10.443864	20	PASS
			NV	10	-60000.00	-10.443864	20	PASS
			NV	20	-60000.00	-10.443864	20	PASS
			NV	30	-60000.00	-10.443864	20	PASS
			NV	40	-60000.00	-10.443864	20	PASS
			NV	50	-60000.00	-10.443864	20	PASS
		5785	NV	-30	-60000.00	-10.371651	20	PASS
			NV	-20	-60000.00	-10.371651	20	PASS
			NV	-10	-60000.00	-10.371651	20	PASS
			NV	0	-60000.00	-10.371651	20	PASS
			NV	10	-60000.00	-10.371651	20	PASS

			NV	20	-60000.00	-10.371651	20	PASS
			NV	30	-60000.00	-10.371651	20	PASS
			NV	40	-60000.00	-10.371651	20	PASS
			NV	50	-60000.00	-10.371651	20	PASS
		5825	NV	-30	-60000.00	-10.300429	20	PASS
			NV	-20	-60000.00	-10.300429	20	PASS
			NV	-10	-60000.00	-10.300429	20	PASS
			NV	0	-60000.00	-10.300429	20	PASS
			NV	10	-60000.00	-10.300429	20	PASS
			NV	20	-60000.00	-10.300429	20	PASS
			NV	30	-60000.00	-10.300429	20	PASS
			NV	40	-60000.00	-10.300429	20	PASS
			NV	50	-60000.00	-10.300429	20	PASS
11N40SI SO	Ant1	5190	NV	-30	0.00	0.000000	20	PASS
			NV	-20	40000.00	7.707129	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	0.00	0.000000	20	PASS
		5230	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	40000.00	7.648184	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	0.00	0.000000	20	PASS
		5270	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	-40000.00	-7.590133	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	0.00	0.000000	20	PASS
		5310	NV	-30	40000.00	7.532957	20	PASS
			NV	-20	0.00	0.000000	20	PASS

			NV	-10	40000.00	7.532957	20	PASS
			NV	0	40000.00	7.532957	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	40000.00	7.532957	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	40000.00	7.532957	20	PASS
			NV	50	0.00	0.000000	20	PASS
		5510	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
		5550	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	-40000.00	-7.207207	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-40000.00	-7.207207	20	PASS
		5670	NV	40	0.00	0.000000	20	PASS
			NV	50	0.00	0.000000	20	PASS
			NV	-30	0.00	0.000000	20	PASS
			NV	-20	-40000.00	-7.054674	20	PASS
			NV	-10	-40000.00	-7.054674	20	PASS
			NV	0	-40000.00	-7.054674	20	PASS
			NV	10	-40000.00	-7.054674	20	PASS
		5755	NV	20	-40000.00	-7.054674	20	PASS
			NV	30	-40000.00	-7.054674	20	PASS
			NV	40	-40000.00	-7.054674	20	PASS
			NV	50	-40000.00	-7.054674	20	PASS
			NV	-30	0.00	0.000000	20	PASS
			NV	-20	-40000.00	-6.950478	20	PASS
			NV	-10	-40000.00	-6.950478	20	PASS
			NV	0	40000.00	6.950478	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	40000.00	6.950478	20	PASS
			NV	30	40000.00	6.950478	20	PASS
			NV	40	0.00	0.000000	20	PASS

			NV	50	40000.00	6.950478	20	PASS
		5795	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	40000.00	6.902502	20	PASS
			NV	0	40000.00	6.902502	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	0.00	0.000000	20	PASS

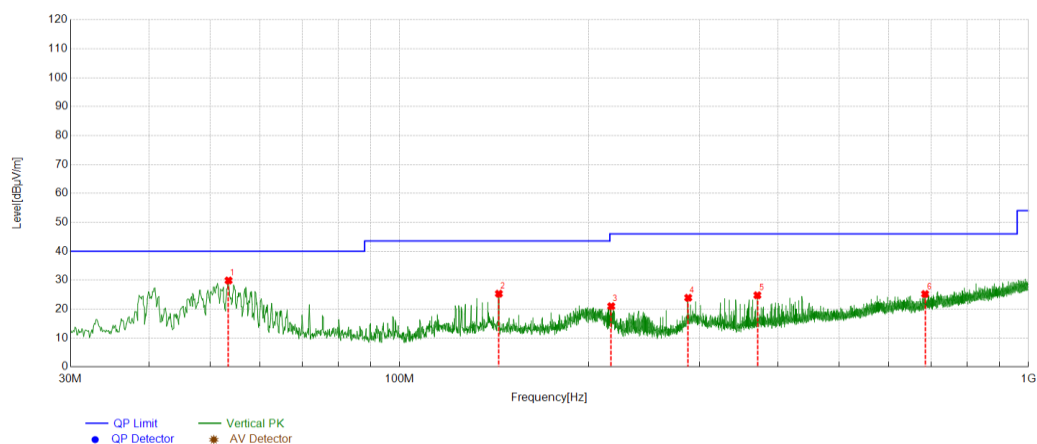
Appendix F: Radiated Emissions

Test Result

Note:

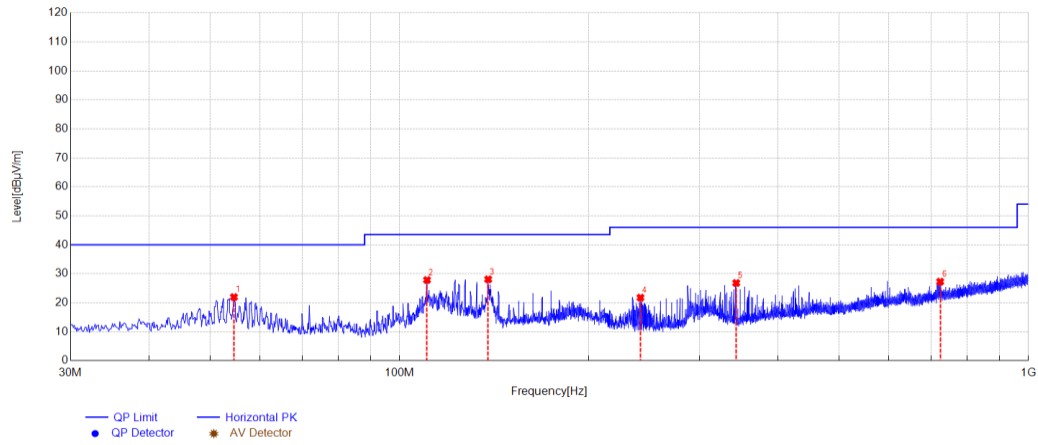
The low frequency, which starts from 9 kHz to 30 MHz, is pre-scanned and the result which is 20 dB lower than the limit line is not reported.

During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes with all channels. The test data of the worst-case (A-5180MHz) condition was recorded in this report.



Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity	Verdict
1	53.476348	46.25	29.89	-16.36	40.00	10.11	150	109	PK	Vertical	PASS
2	143.889389	41.59	25.31	-16.28	43.50	18.19	150	88	PK	Vertical	PASS
3	217.131713	40.12	20.99	-19.13	46.00	25.01	150	91	PK	Vertical	PASS
4	287.851785	40.21	23.90	-16.31	46.00	22.10	150	50	PK	Vertical	PASS
5	370.79508	39.06	24.77	-14.29	46.00	21.23	150	42	PK	Vertical	PASS
6	685.106511	33.20	25.20	-8.00	46.00	20.80	150	128	PK	Vertical	PASS

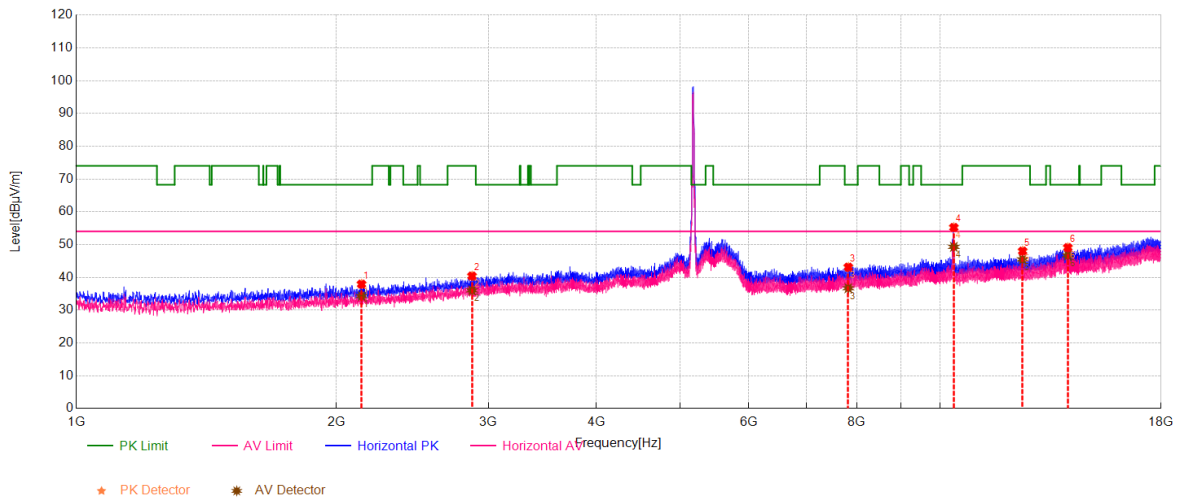

Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity	Verdict
1	54.543454	38.40	21.95	-16.45	40.00	18.05	150	178	PK	Horizontal	PASS
2	110.615062	46.49	27.84	-18.65	43.50	15.66	150	105	PK	Horizontal	PASS
3	138.359836	44.99	28.07	-16.92	43.50	15.43	150	162	PK	Horizontal	PASS
4	241.675168	39.88	21.77	-18.11	46.00	24.23	150	206	PK	Horizontal	PASS
5	343.147315	42.00	26.82	-15.18	46.00	19.18	150	67	PK	Horizontal	PASS
6	724.10441	34.43	27.27	-7.16	46.00	18.73	150	30	PK	Horizontal	PASS

Mode: N20

Channel: 5180MHz

Test Graph



Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity	Verdict
1	2138.8000	35.79	37.93	2.14	68.23	30.30	150	45	PK	Horizontal	PASS
2	2870.8000	35.01	40.42	5.41	74.00	33.58	150	102	PK	Horizontal	PASS
3	7824.5900	51.65	43.12	-8.53	68.23	25.11	150	126	PK	Horizontal	PASS
4	10364.6300	59.12	55.23	-3.89	68.23	13.00	150	82	PK	Horizontal	PASS
5	12450.2200	49.35	48.02	-1.33	74.00	25.98	150	82	PK	Horizontal	PASS
6	14043.5400	47.06	49.09	2.03	68.23	19.14	150	171	PK	Horizontal	PASS

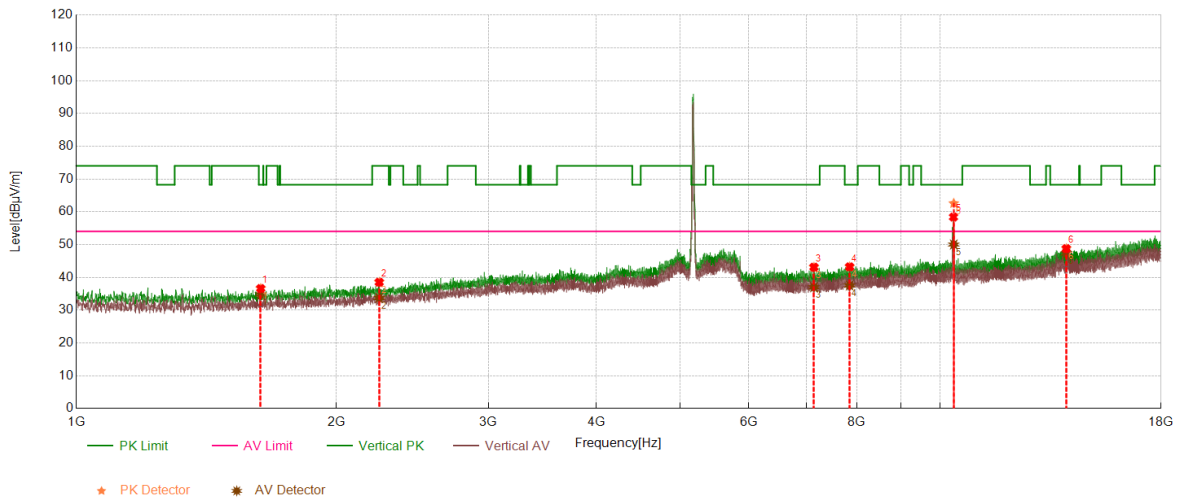
Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

Mode: N20

Channel: 5180MHz

Test Graph



Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity	Verdict
1	1634.8000	36.21	36.60	0.39	68.23	31.63	150	177	PK	Vertical	PASS
2	2242.0000	35.80	38.52	2.72	74.00	35.48	150	112	PK	Vertical	PASS
3	7139.5600	52.28	43.11	-9.17	68.23	25.12	150	275	PK	Vertical	PASS
4	7852.0400	51.77	43.21	-8.56	68.23	25.02	150	86	PK	Vertical	PASS
5	10355.4800	62.32	58.38	-3.94	68.23	9.85	150	59	PK	Vertical	PASS
6	13986.8100	47.48	48.76	1.28	68.23	19.47	150	184	PK	Vertical	PASS

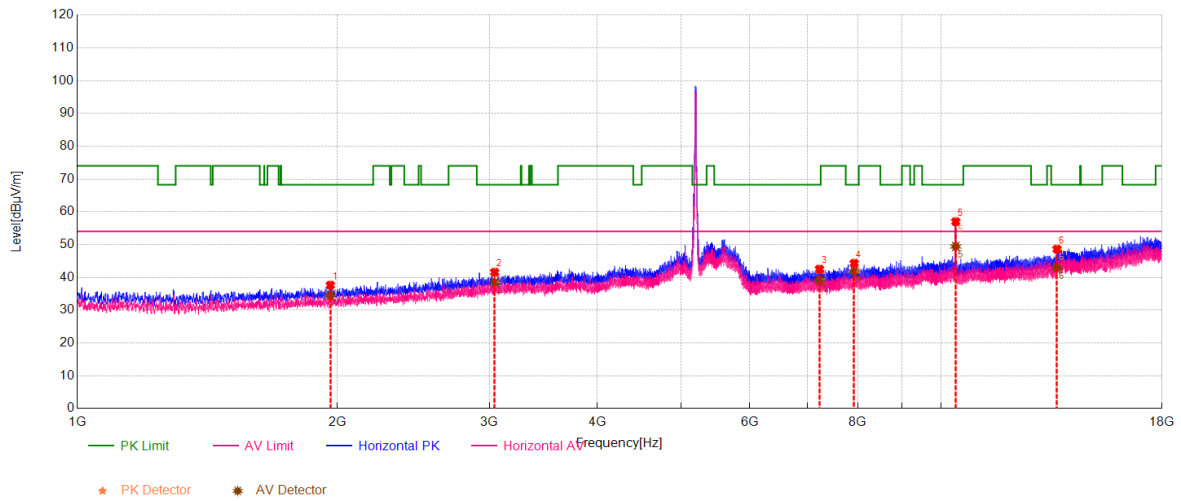
Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

Mode: N20

Channel: 5200MHz

Test Graph



Suspected Data List

NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Polarity	Verdict
1	1963.0000	35.87	37.62	1.75	68.23	30.61	150	248	PK	Horizontal	PASS
2	3041.2000	35.40	41.56	6.16	68.23	26.67	150	7	PK	Horizontal	PASS
3	7226.7900	51.99	42.53	-9.46	68.23	25.70	150	131	PK	Horizontal	PASS
4	7927.0700	52.12	44.30	-7.82	68.23	23.93	150	201	PK	Horizontal	PASS
5	10390.2500	60.83	56.99	-3.84	68.23	11.24	150	104	PK	Horizontal	PASS
6	13608.0000	48.17	48.59	0.42	68.23	19.64	150	231	PK	Horizontal	PASS

Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level