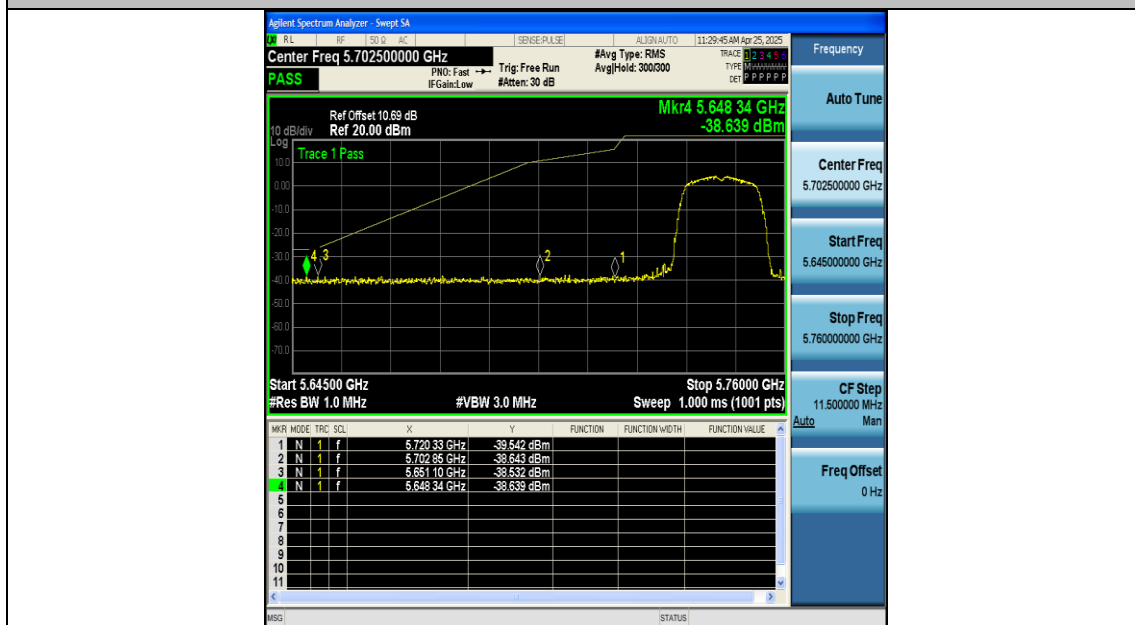




11N40SISO-Ant1-5795-PASS



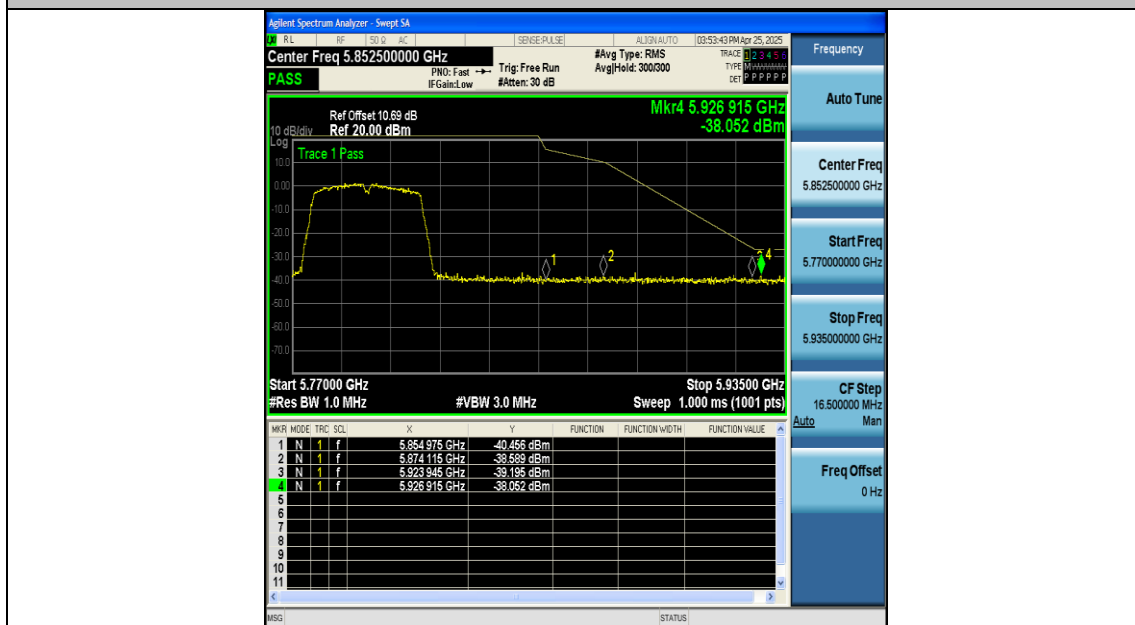
11AC20SISO-Ant1-5745-PASS



11AC20SISO-Ant1-5825-PASS



11AC40SISO-Ant1-5755-PASS



11AC40SISO-Ant1-5795-PASS



11AC80SISO-Ant1-5775-PASS



Appendix E: Frequency Stability

Test Result

Ant1

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VDC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5745	20	4.3	5744.900978	5725 – 5850	PASS
5745	20	3.2	5745.041039	5725 – 5850	PASS
5745	50	3.7	5744.933548	5725 – 5850	PASS
5745	40	3.7	5745.050945	5725 – 5850	PASS
5745	30	3.7	5745.009926	5725 – 5850	PASS
5745	20	3.7	5744.907202	5725 – 5850	PASS
5745	10	3.7	5745.076732	5725 – 5850	PASS
5745	0	3.7	5745.084333	5725 – 5850	PASS
5745	-10	3.7	5744.903159	5725 – 5850	PASS
5745	-20	3.7	5745.033055	5725 – 5850	PASS
5745	-30	3.7	5745.059729	5725 – 5850	PASS

Ant1

Frequency (MHz)	Environment Temperature (Degree)	Voltage (VDC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5785	20	4.3	5784.918658	5725 – 5850	PASS
5785	20	3.2	5784.976167	5725 – 5850	PASS
5785	50	3.7	5785.027551	5725 – 5850	PASS
5785	40	3.7	5784.962090	5725 – 5850	PASS
5785	30	3.7	5784.990629	5725 – 5850	PASS
5785	20	3.7	5784.998354	5725 – 5850	PASS
5785	10	3.7	5785.012681	5725 – 5850	PASS
5785	0	3.7	5785.059765	5725 – 5850	PASS
5785	-10	3.7	5784.912339	5725 – 5850	PASS
5785	-20	3.7	5785.074352	5725 – 5850	PASS
5785	-30	3.7	5784.912952	5725 – 5850	PASS

Ant1

Frequency (MHz)	Enviroment Temperature (Degree)	Voltage (VDC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5825	20	4.3	5824.902968	5725 – 5850	PASS
5825	20	3.2	5824.910994	5725 – 5850	PASS
5825	50	3.7	5824.955446	5725 – 5850	PASS
5825	40	3.7	5824.950636	5725 – 5850	PASS
5825	30	3.7	5824.982370	5725 – 5850	PASS
5825	20	3.7	5825.085909	5725 – 5850	PASS
5825	10	3.7	5824.906989	5725 – 5850	PASS
5825	0	3.7	5825.008848	5725 – 5850	PASS
5825	-10	3.7	5824.975844	5725 – 5850	PASS
5825	-20	3.7	5824.953194	5725 – 5850	PASS
5825	-30	3.7	5825.032182	5725 – 5850	PASS

Ant1

Frequency (MHz)	Enviroment Temperature (Degree)	Voltage (VDC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5755	20	4.3	5755.085781	5725 – 5850	PASS
5755	20	3.2	5755.018576	5725 – 5850	PASS
5755	50	3.7	5754.997551	5725 – 5850	PASS
5755	40	3.7	5755.045244	5725 – 5850	PASS
5755	30	3.7	5755.005085	5725 – 5850	PASS
5755	20	3.7	5754.993754	5725 – 5850	PASS
5755	10	3.7	5755.045784	5725 – 5850	PASS
5755	0	3.7	5754.938192	5725 – 5850	PASS
5755	-10	3.7	5755.050014	5725 – 5850	PASS
5755	-20	3.7	5754.939851	5725 – 5850	PASS
5755	-30	3.7	5755.084397	5725 – 5850	PASS

Ant1

Frequency (MHz)	Enviroment Temperature (Degree)	Voltage (VDC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5795	20	4.3	5794.976560	5725 – 5850	PASS
5795	20	3.2	5794.980464	5725 – 5850	PASS
5795	50	3.7	5795.053547	5725 – 5850	PASS
5795	40	3.7	5795.071755	5725 – 5850	PASS
5795	30	3.7	5794.989789	5725 – 5850	PASS
5795	20	3.7	5794.909062	5725 – 5850	PASS
5795	10	3.7	5795.070606	5725 – 5850	PASS
5795	0	3.7	5794.943231	5725 – 5850	PASS
5795	-10	3.7	5794.943866	5725 – 5850	PASS
5795	-20	3.7	5795.024793	5725 – 5850	PASS
5795	-30	3.7	5795.006434	5725 – 5850	PASS

Ant1

Frequency (MHz)	Enviroment Temperature (Degree)	Voltage (VDC)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
5775	20	4.3	5775.069852	5725 – 5850	PASS
5775	20	3.2	5774.910218	5725 – 5850	PASS
5775	50	3.7	5775.038829	5725 – 5850	PASS
5775	40	3.7	5774.992270	5725 – 5850	PASS
5775	30	3.7	5774.948452	5725 – 5850	PASS
5775	20	3.7	5774.953492	5725 – 5850	PASS
5775	10	3.7	5774.903603	5725 – 5850	PASS
5775	0	3.7	5774.973904	5725 – 5850	PASS
5775	-10	3.7	5775.010758	5725 – 5850	PASS
5775	-20	3.7	5774.908281	5725 – 5850	PASS
5775	-30	3.7	5775.090681	5725 – 5850	PASS

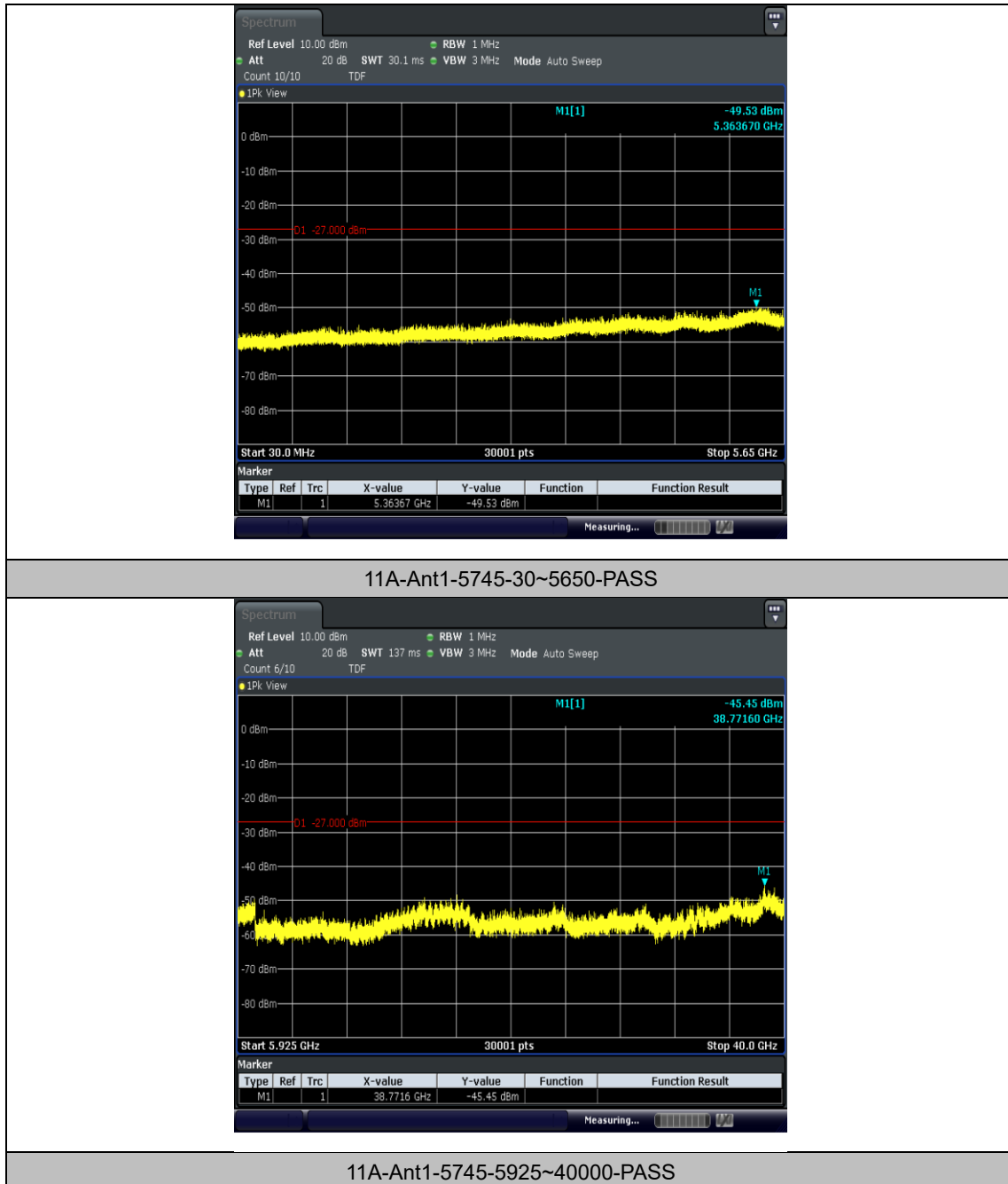
Appendix F: Conducted Spurious Emission

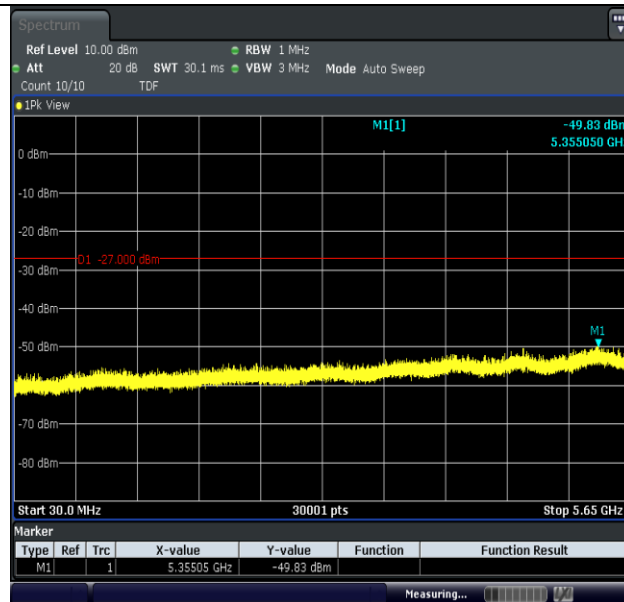
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	30~5650	5363.67	-49.53	≤-27	PASS
11A	Ant1	5745	5925~40000	38771.6	-45.45	≤-27	PASS
11A	Ant1	5785	30~5650	5355.05	-49.83	≤-27	PASS
11A	Ant1	5785	5925~40000	38761.4	-46.82	≤-27	PASS
11A	Ant1	5825	30~5650	5275.25	-49.31	≤-27	PASS
11A	Ant1	5825	5925~40000	39097.6	-45.51	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	5351.12	-48.93	≤-27	PASS
11N20SISO	Ant1	5745	5925~40000	38762.6	-44.97	≤-27	PASS
11N20SISO	Ant1	5785	30~5650	5340.44	-49.82	≤-27	PASS
11N20SISO	Ant1	5785	5925~40000	38778.5	-46.56	≤-27	PASS
11N20SISO	Ant1	5825	30~5650	5402.26	-49.24	≤-27	PASS
11N20SISO	Ant1	5825	5925~40000	38781.9	-46.2	≤-27	PASS
11N40SISO	Ant1	5755	30~5650	5313.28	-49.96	≤-27	PASS
11N40SISO	Ant1	5755	5925~40000	38742.1	-46.32	≤-27	PASS
11N40SISO	Ant1	5795	30~5650	5373.04	-49.41	≤-27	PASS
11N40SISO	Ant1	5795	5925~40000	38743.2	-46.02	≤-27	PASS
11AC20SISO	Ant1	5745	30~5650	5362.73	-49.39	≤-27	PASS
11AC20SISO	Ant1	5745	5925~40000	38794.4	-44.78	≤-27	PASS
11AC20SISO	Ant1	5785	30~5650	5388.77	-49.55	≤-27	PASS
11AC20SISO	Ant1	5785	5925~40000	38820.5	-46.63	≤-27	PASS
11AC20SISO	Ant1	5825	30~5650	5330.51	-49.43	≤-27	PASS
11AC20SISO	Ant1	5825	5925~40000	38840.9	-46.42	≤-27	PASS
11AC40SISO	Ant1	5755	30~5650	5340.82	-49.18	≤-27	PASS
11AC40SISO	Ant1	5755	5925~40000	38752.3	-45.58	≤-27	PASS
11AC40SISO	Ant1	5795	30~5650	5499.67	-48.93	≤-27	PASS
11AC40SISO	Ant1	5795	5925~40000	38744.4	-46	≤-27	PASS
11AC80SISO	Ant1	5775	30~5650	5453.03	-49.4	≤-27	PASS
11AC80SISO	Ant1	5775	5925~40000	39048.8	-46.43	≤-27	PASS

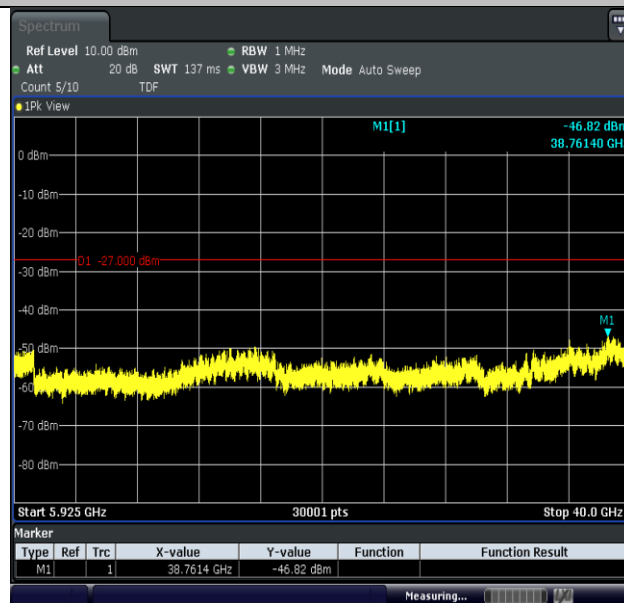
Note: offset(dB) in Reference test plots = cable loss(dB) + attenuator factor(dB); For spurious emissions plots from 30MHz to 40 GHz, the cable loss and attenuator factors have been set in the 'Input Correction' of the Spectrum Analyzer during the test.

Test Graphs

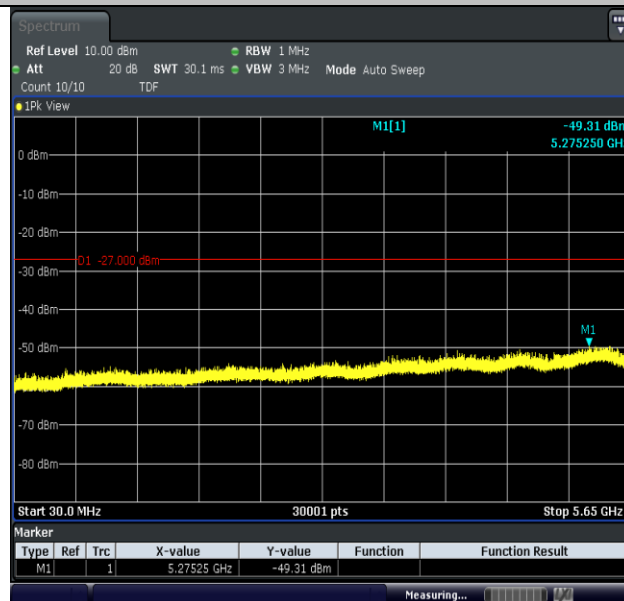




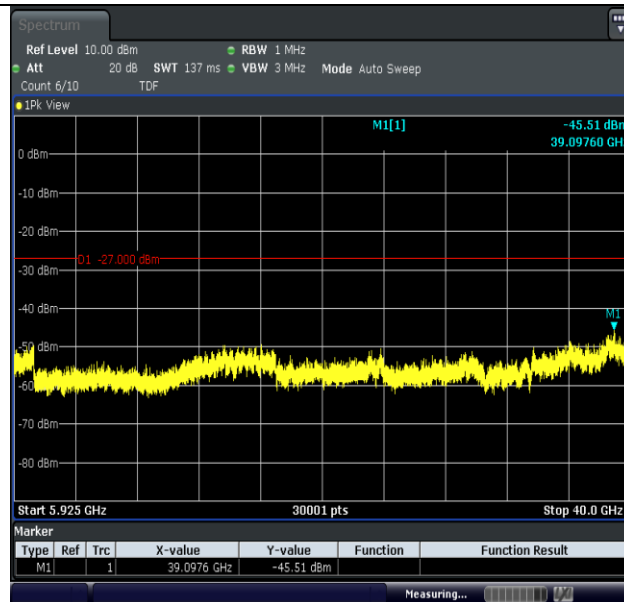
11A-Ant1-5785-30~5650-PASS



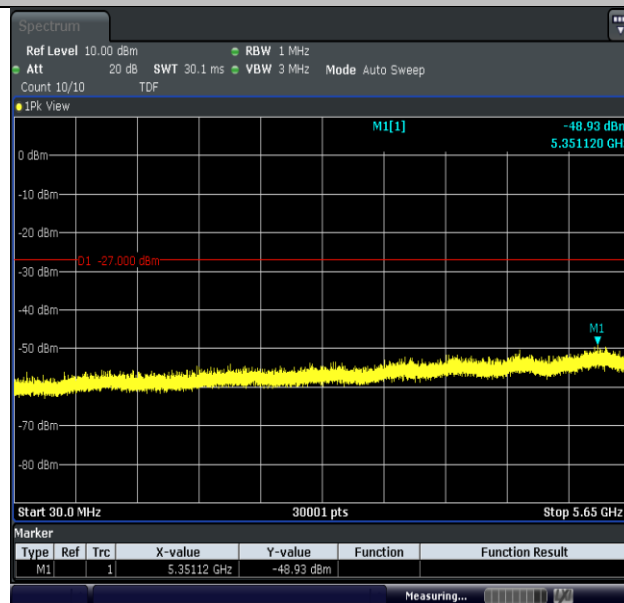
11A-Ant1-5785-5925~40000-PASS



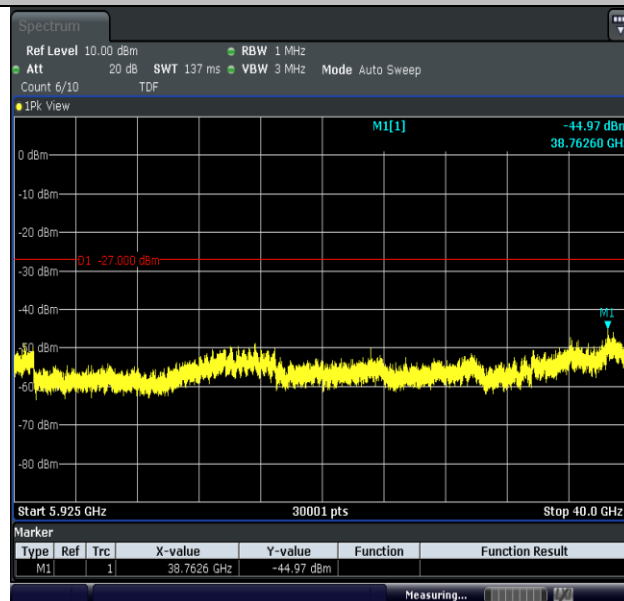
11A-Ant1-5825-30~5650-PASS



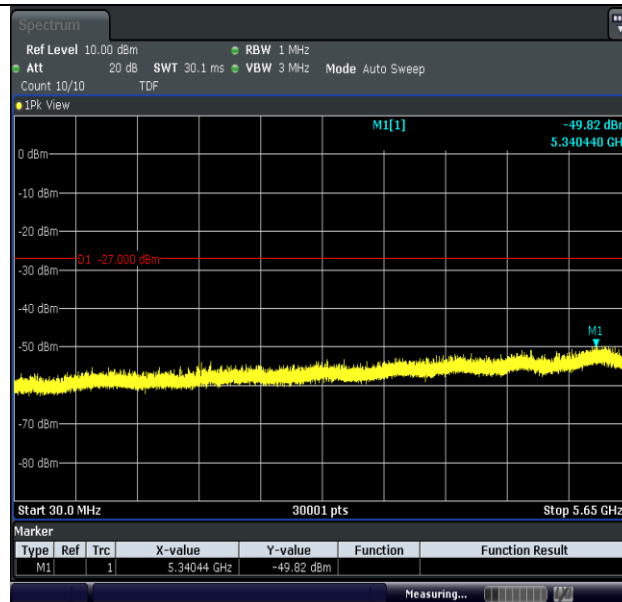
11A-Ant1-5825-5925~40000-PASS



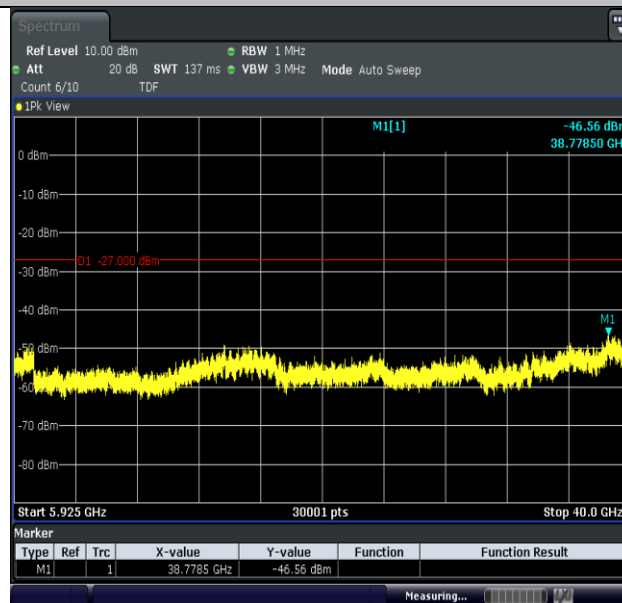
11N20SISO-Ant1-5745-30~5650-PASS



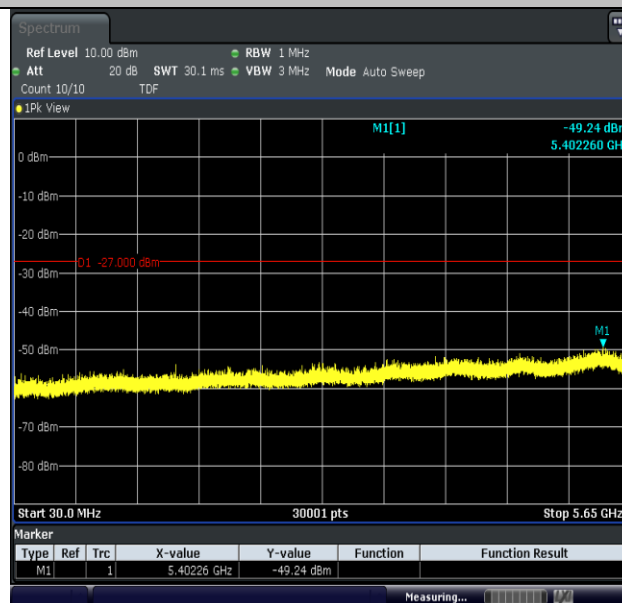
11N20SISO-Ant1-5745-5925~40000-PASS



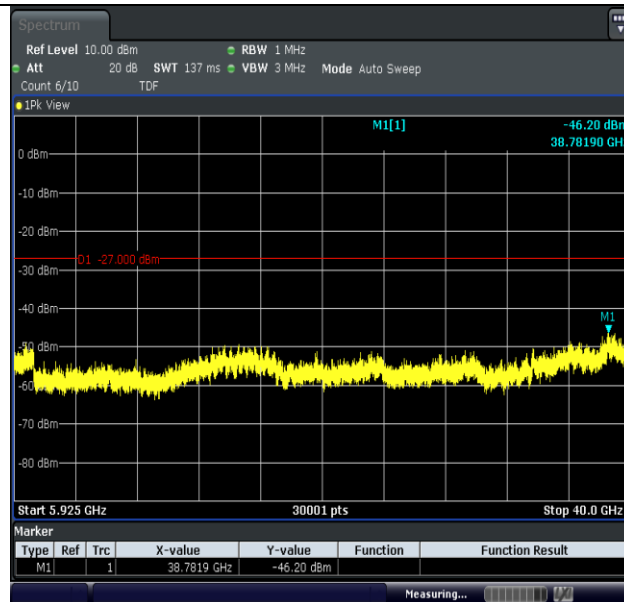
11N20SISO-Ant1-5785-30~5650-PASS



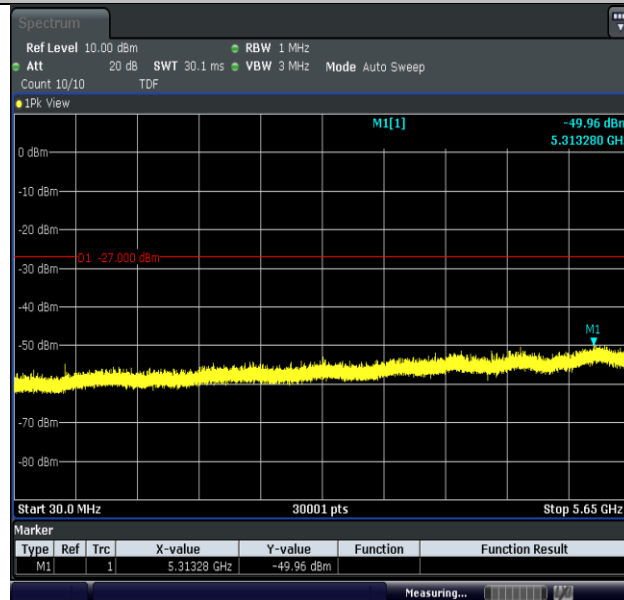
11N20SISO-Ant1-5785-5925~40000-PASS



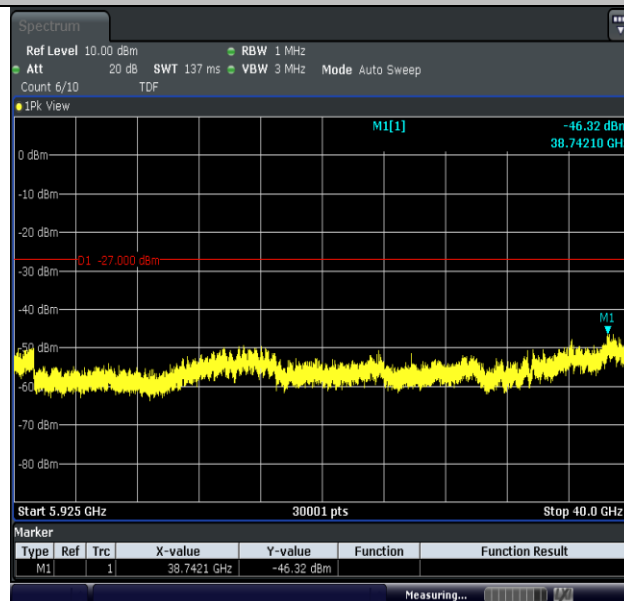
11N20SISO-Ant1-5825-30~5650-PASS



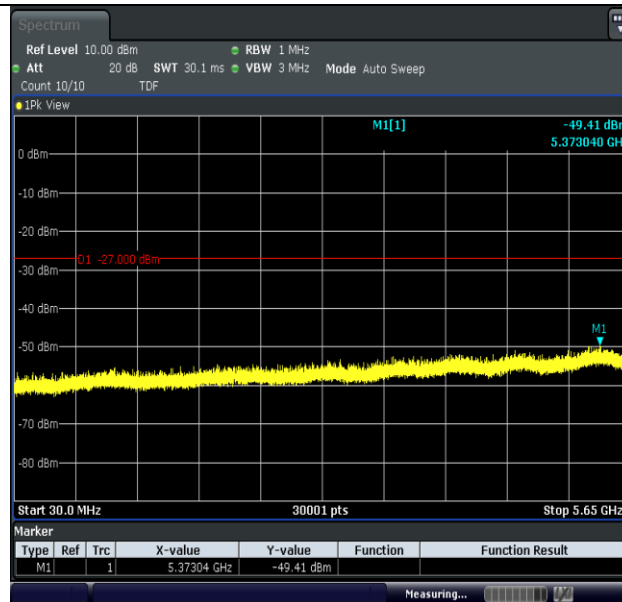
11N20SISO-Ant1-5825-5925~40000-PASS



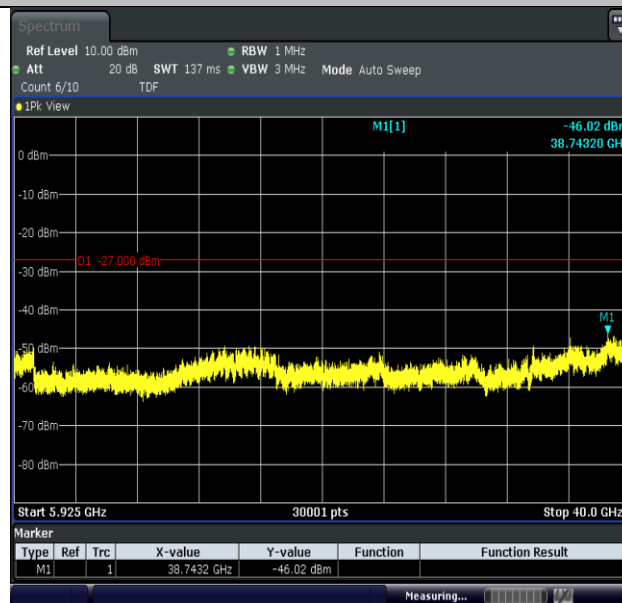
11N40SISO-Ant1-5755-30~5650-PASS



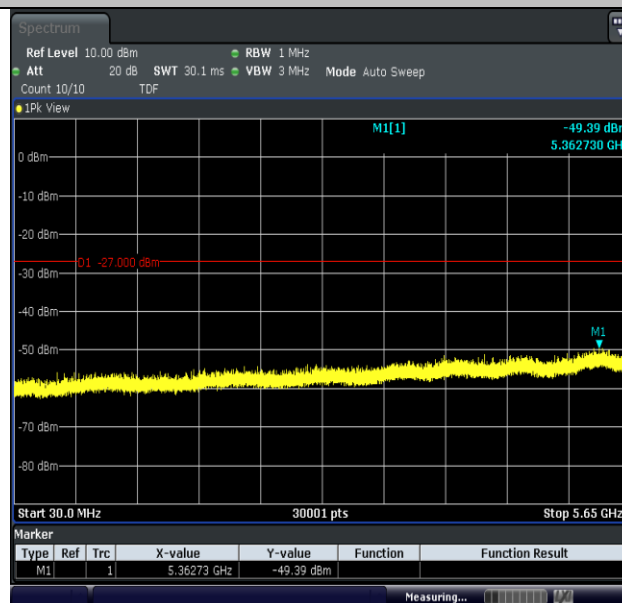
11N40SISO-Ant1-5755-5925~40000-PASS



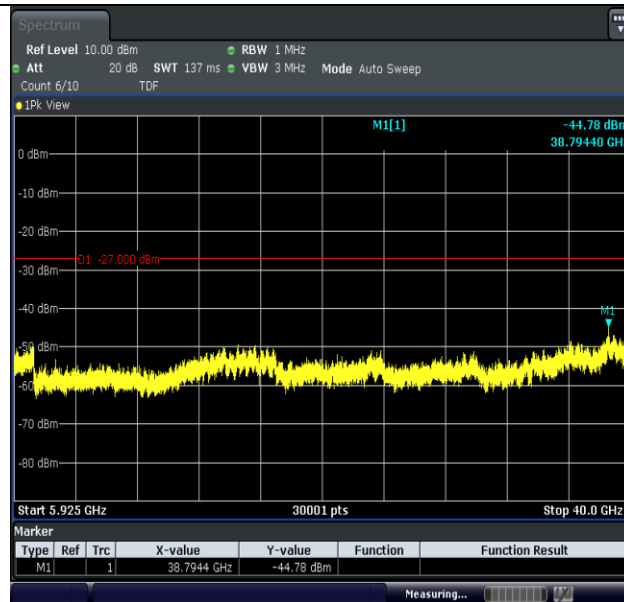
11N40SISO-Ant1-5795-30~5650-PASS



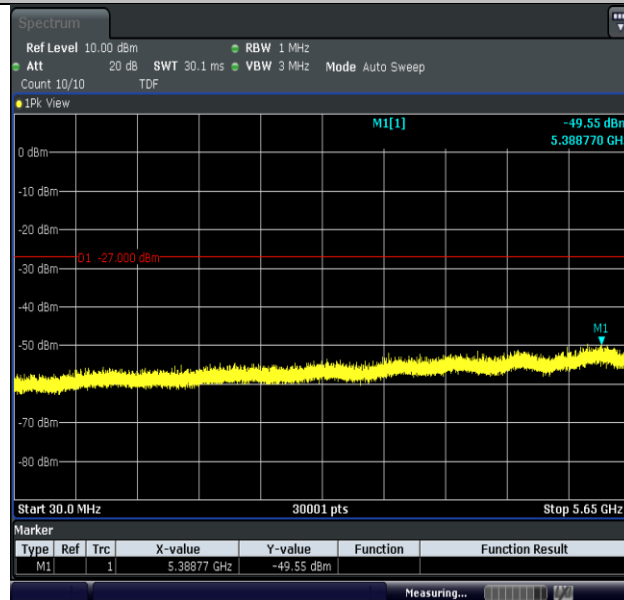
11N40SISO-Ant1-5795-5925~40000-PASS



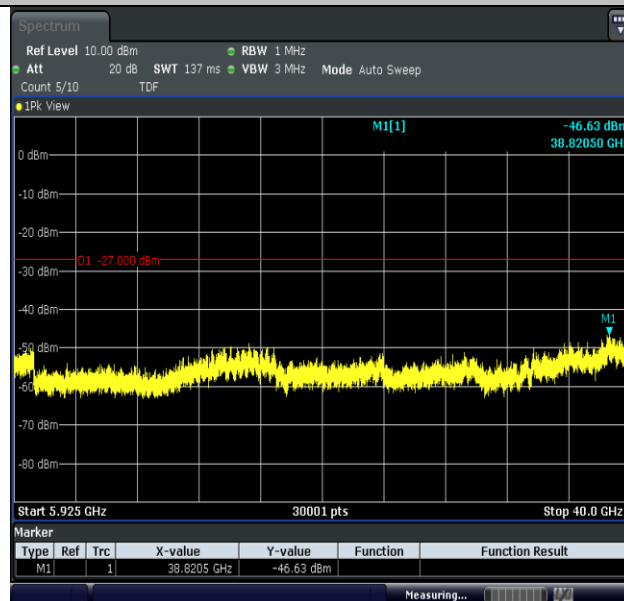
11AC20SISO-Ant1-5745-30~5650-PASS



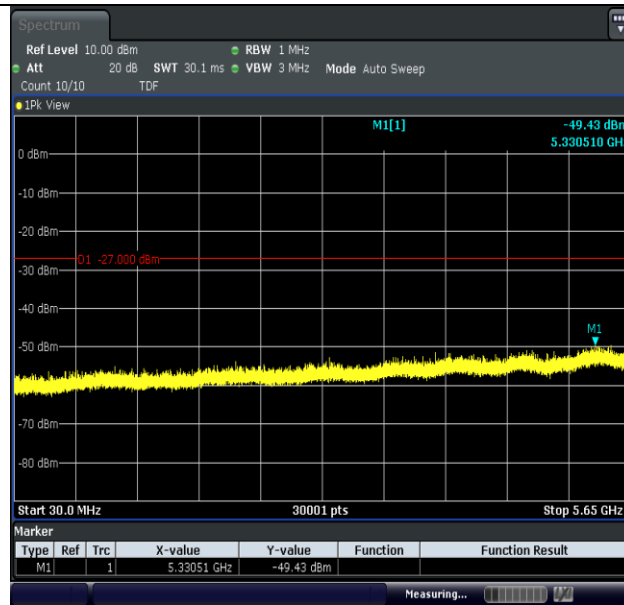
11AC20SISO-Ant1-5745-5925~40000-PASS



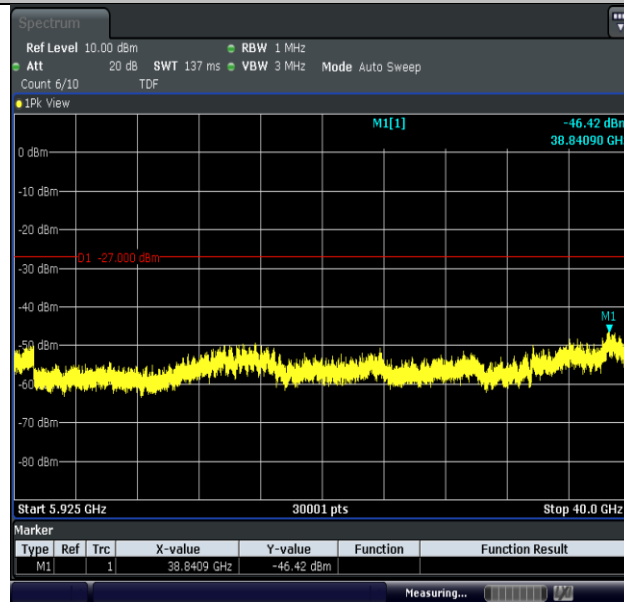
11AC20SISO-Ant1-5785-30~5650-PASS



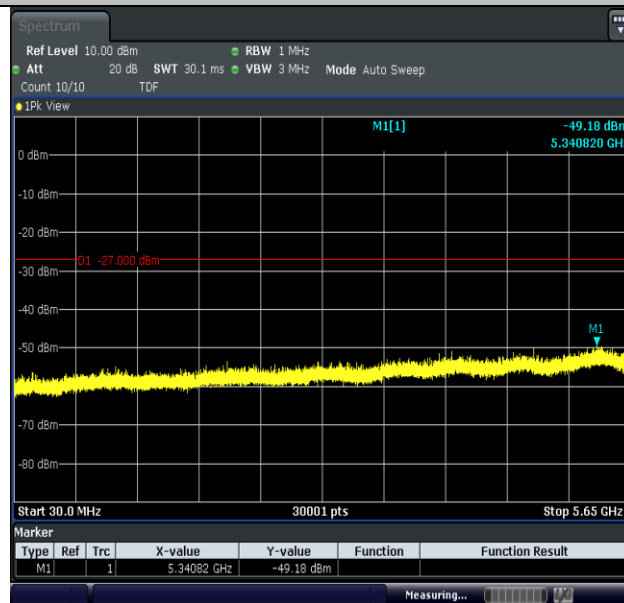
11AC20SISO-Ant1-5785-5925~40000-PASS



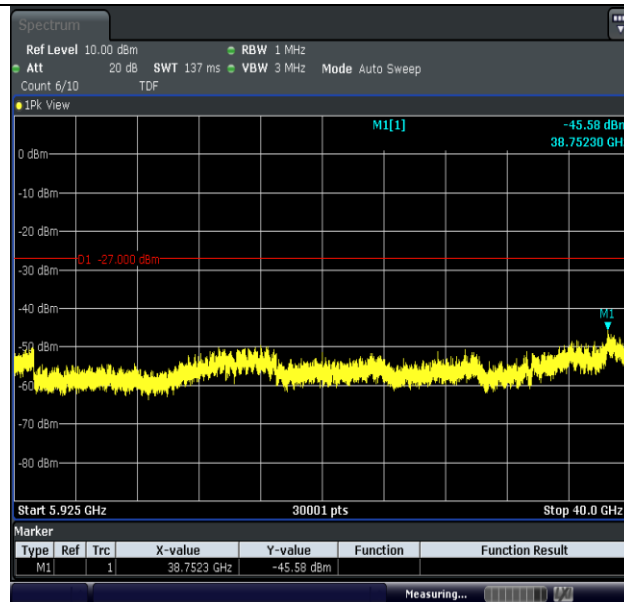
11AC20SISO-Ant1-5825-30~5650-PASS



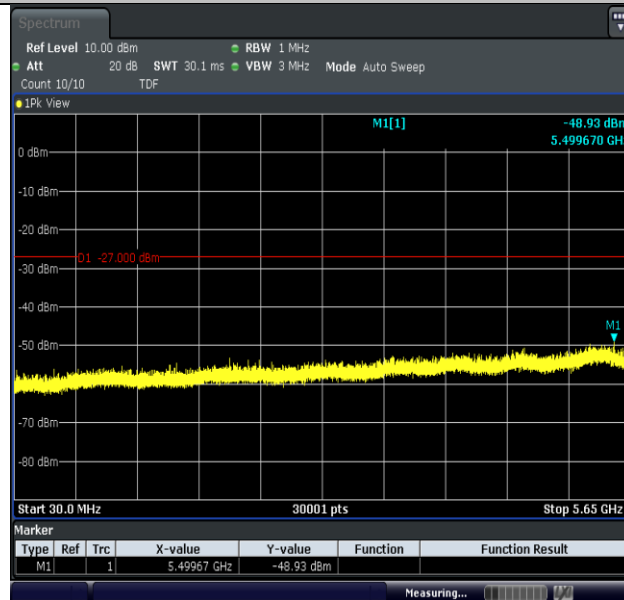
11AC20SISO-Ant1-5825-5925~40000-PASS



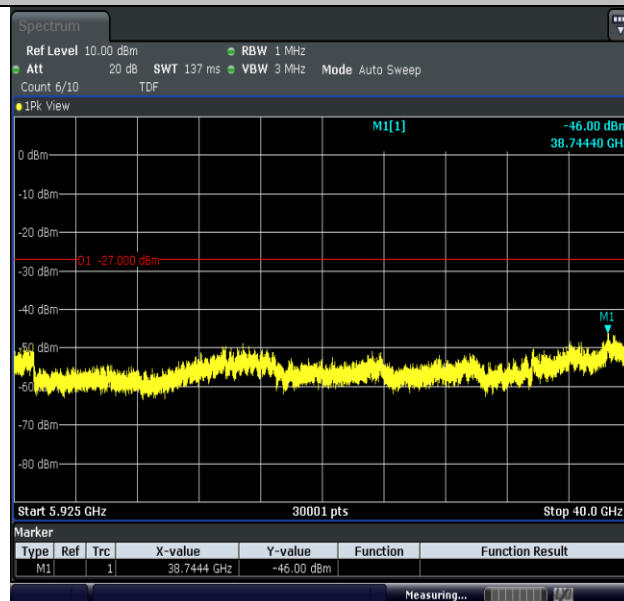
11AC40SISO-Ant1-5755-30~5650-PASS



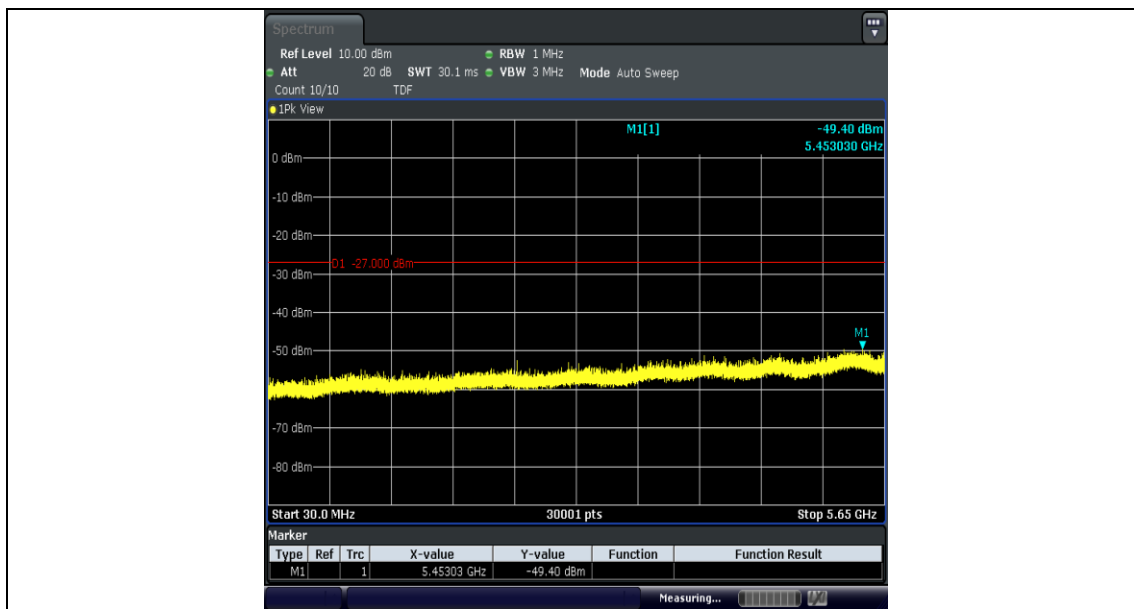
11AC40SISO-Ant1-5755-5925~40000-PASS



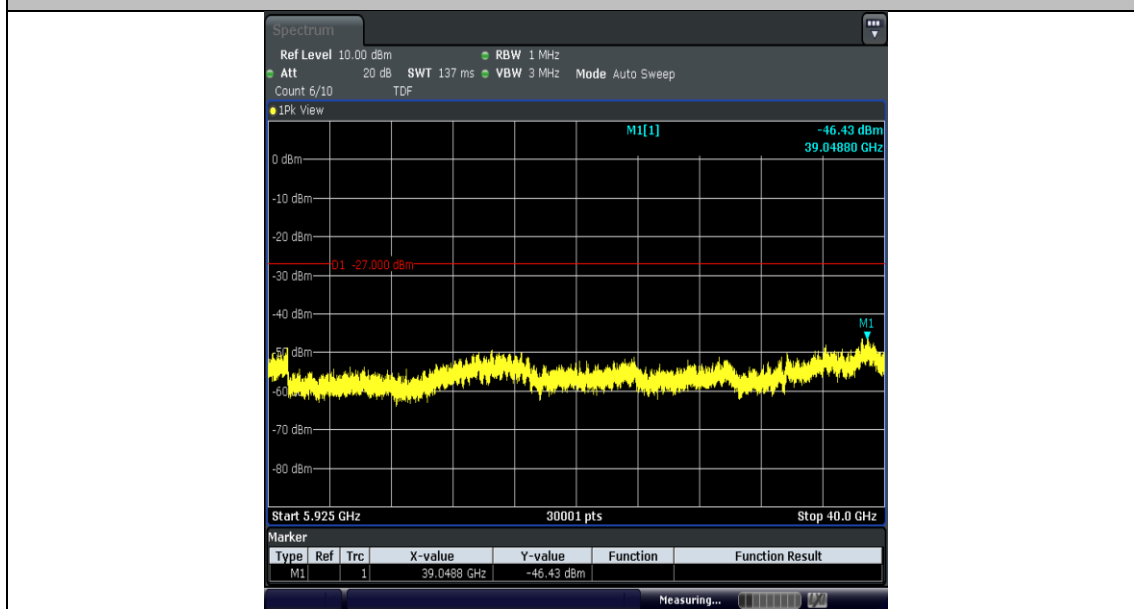
11AC40SISO-Ant1-5795-30~5650-PASS



11AC40SISO-Ant1-5795-5925~40000-PASS



11AC80SISO-Ant1-5775-30~5650-PASS



11AC80SISO-Ant1-5775-5925~40000-PASS

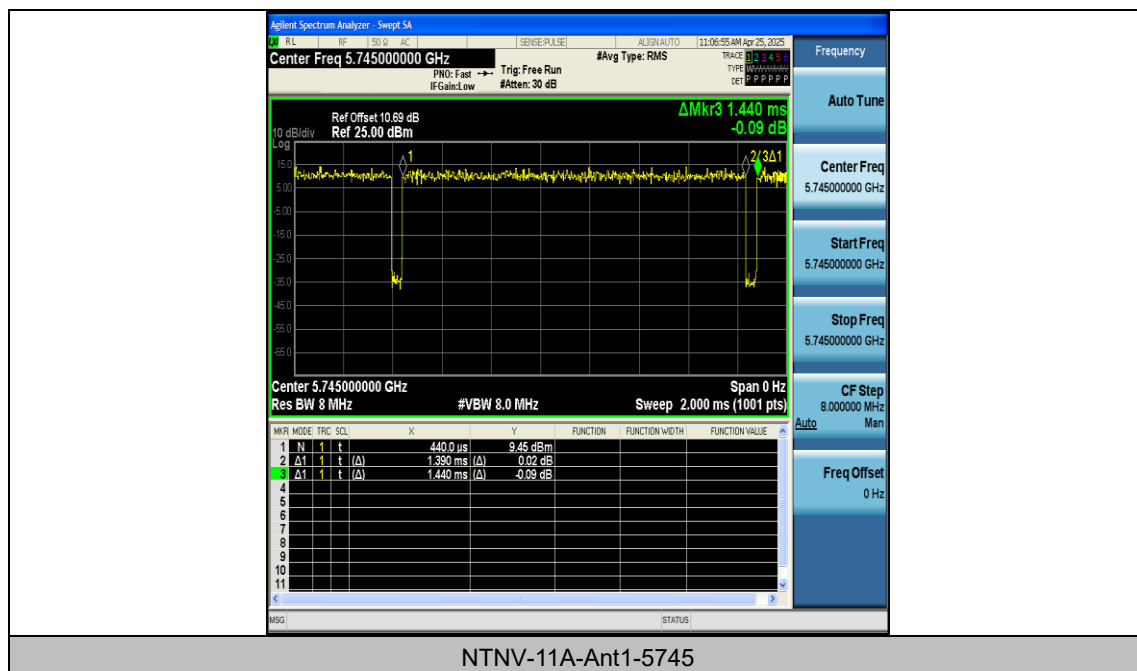
Appendix G: Duty Cycle

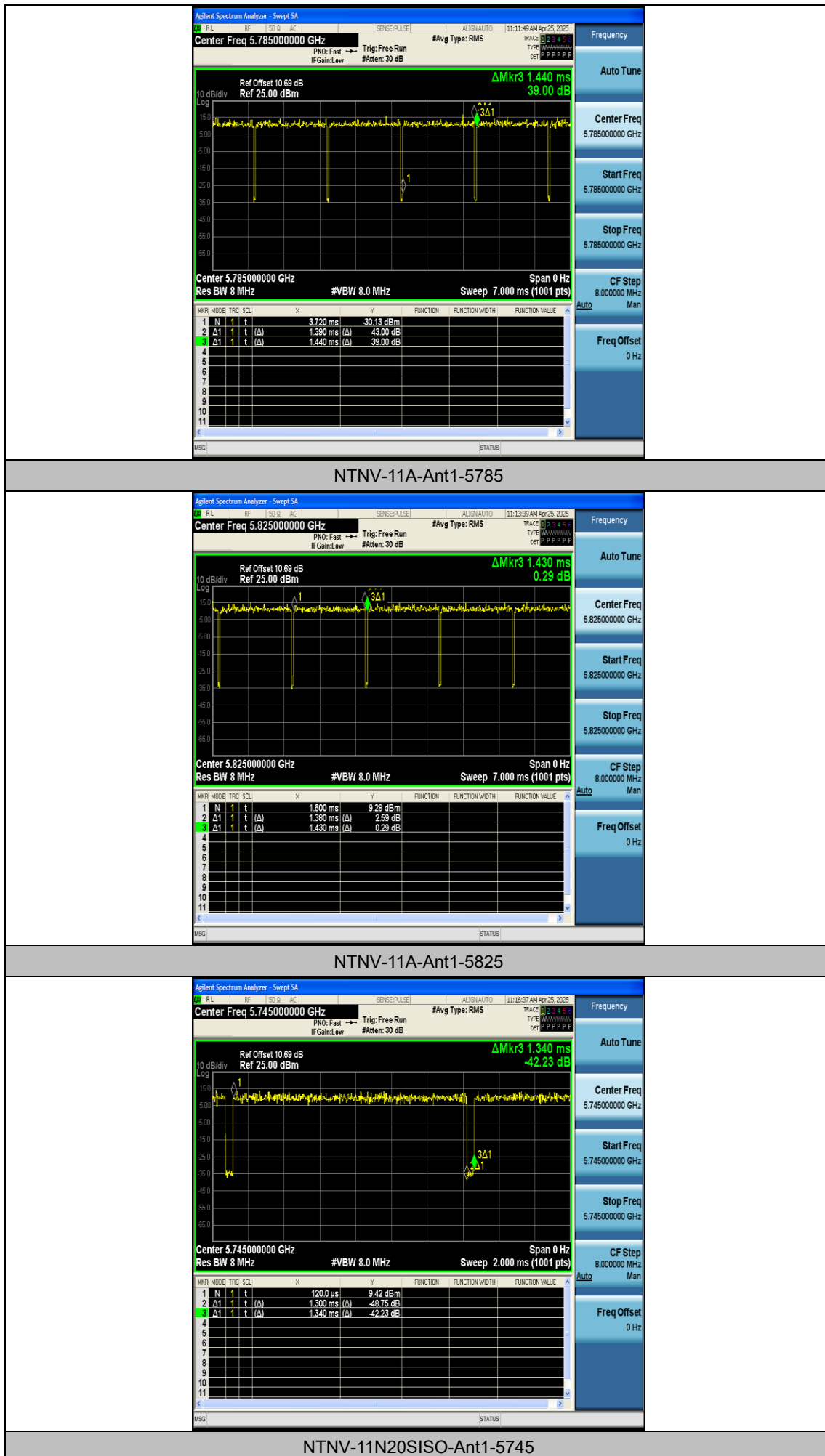
Test Result

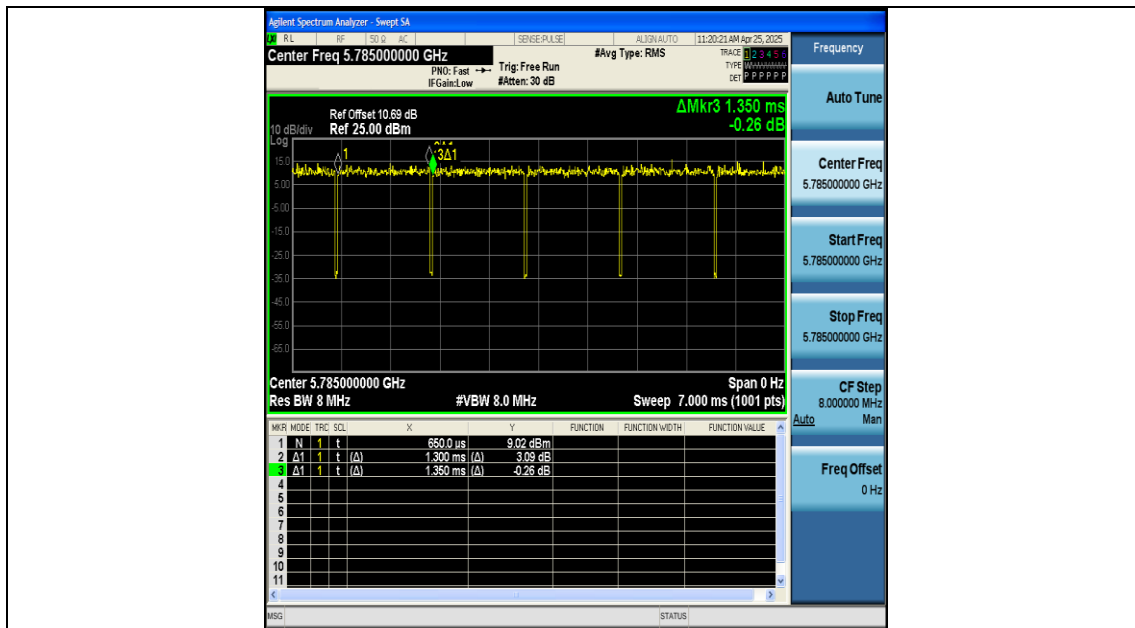
Test Mode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Dc. Factor [%]	1/T
11A	Ant1	5745	1.39	1.44	96.53	0.15	0.72
11A	Ant1	5785	1.39	1.44	96.53	0.15	0.72
11A	Ant1	5825	1.38	1.43	96.50	0.15	0.72
11N20SISO	Ant1	5745	1.30	1.34	97.01	0.13	0.77
11N20SISO	Ant1	5785	1.30	1.35	96.30	0.16	0.77
11N20SISO	Ant1	5825	1.30	1.35	96.30	0.16	0.77
11N40SISO	Ant1	5755	0.65	0.69	94.20	0.26	1.54
11N40SISO	Ant1	5795	0.65	0.70	92.86	0.32	1.54
11AC20SISO	Ant1	5745	1.30	1.35	96.30	0.16	0.77
11AC20SISO	Ant1	5785	1.30	1.35	96.30	0.16	0.77
11AC20SISO	Ant1	5825	1.30	1.35	96.30	0.16	0.77
11AC40SISO	Ant1	5755	0.65	0.69	94.20	0.26	1.54
11AC40SISO	Ant1	5795	0.65	0.70	92.86	0.32	1.54
11AC80SISO	Ant1	5775	0.32	0.37	86.49	0.63	3.13

Note: offset(dB) = cable loss(dB) + attenuator factor(dB)

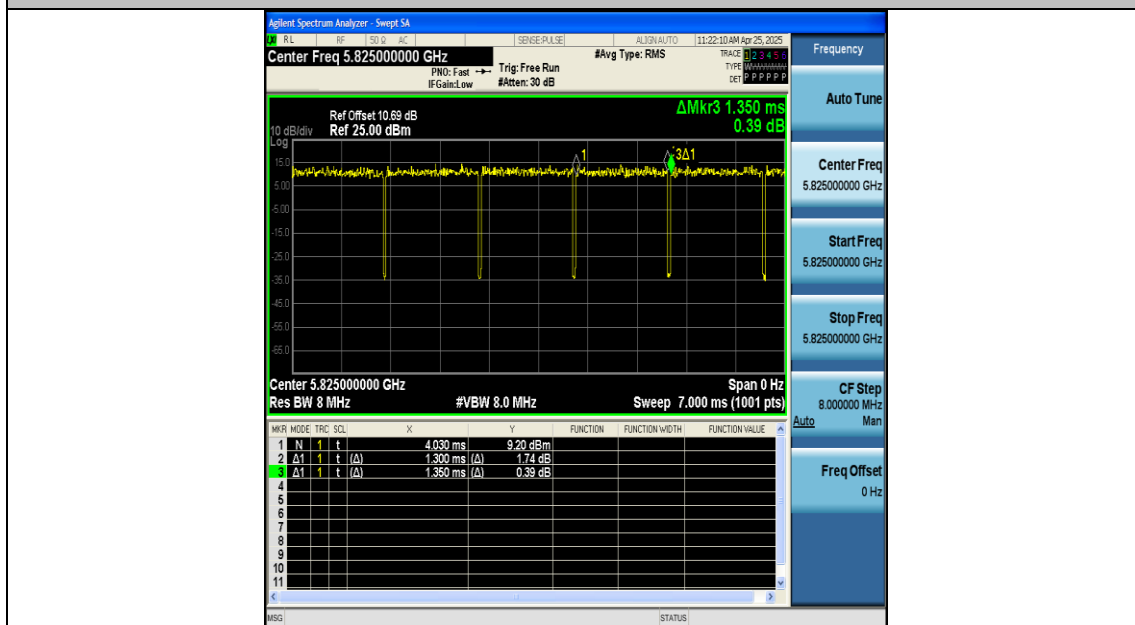
Test Graphs



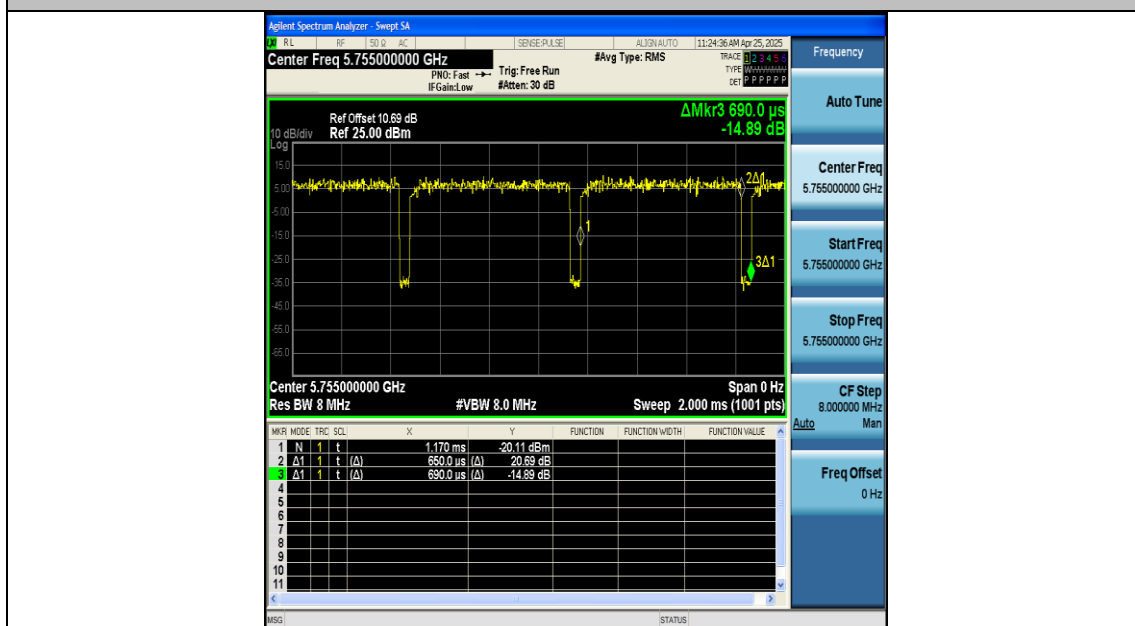




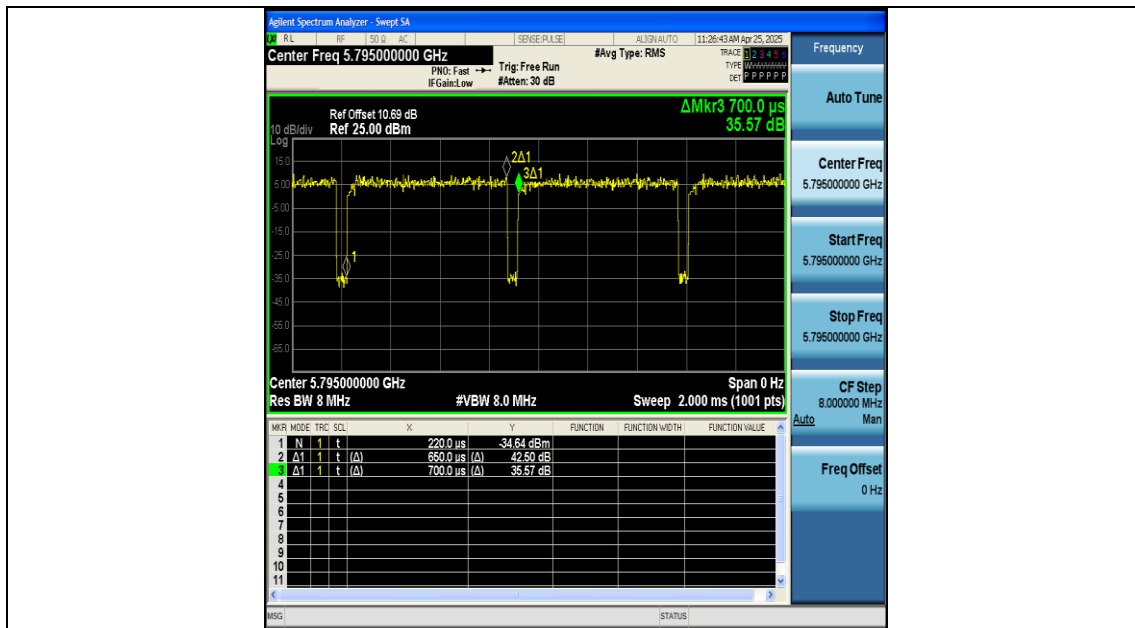
NTNV-11N20SISO-Ant1-5785



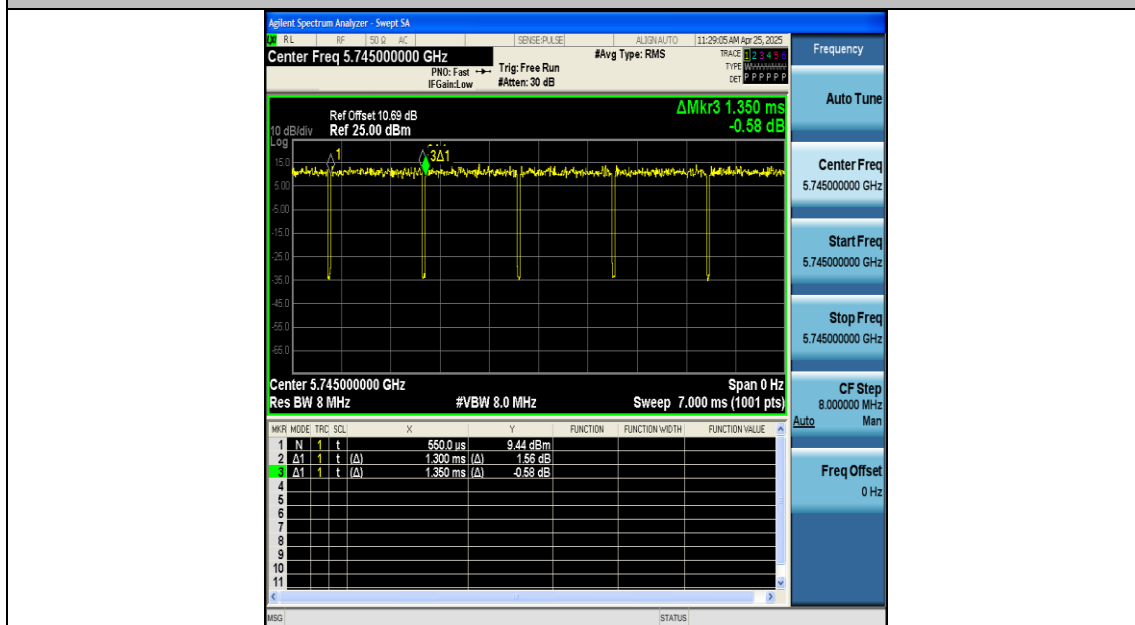
NTNV-11N20SISO-Ant1-5825



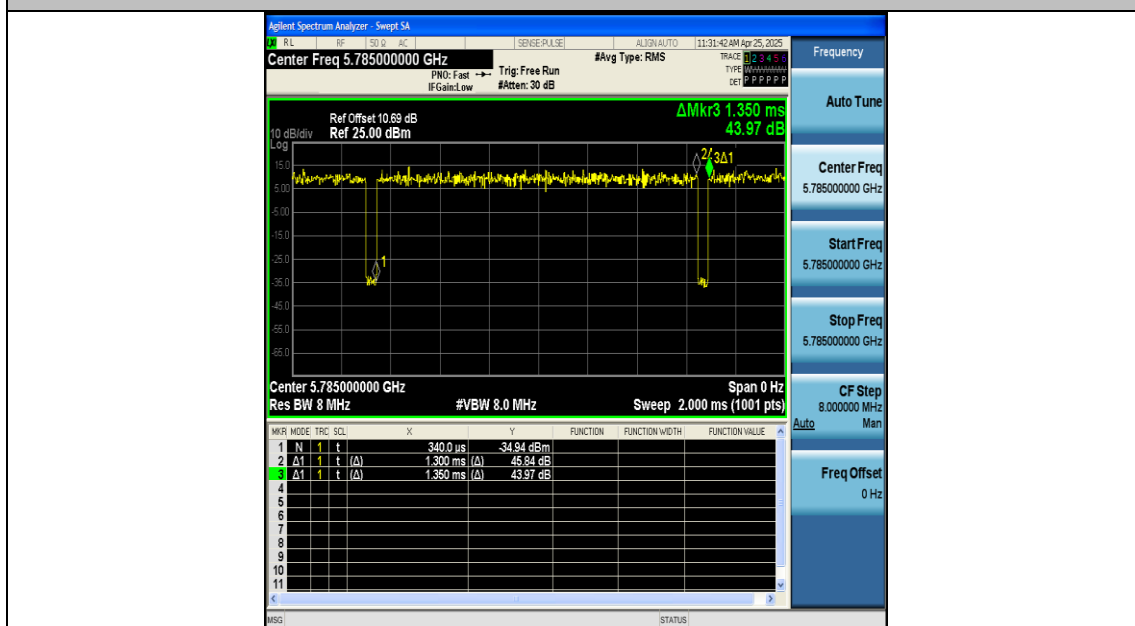
NTNV-11N40SISO-Ant1-5755



NTNV-11N40SISO-Ant1-5795



NTNV-11AC20SISO-Ant1-5745



NTNV-11AC20SISO-Ant1-5785

