11N40SISO-Ant1-5190-PASS

11N40SISO-Ant1-5230-PASS

11N40SISO-Ant1-5270-PASS

11N40SISO-Ant1-5310-PASS

11N40SISO-Ant1-5510-PASS

11N40SISO-Ant1-5590-PASS

11N40SISO-Ant1-5670-PASS

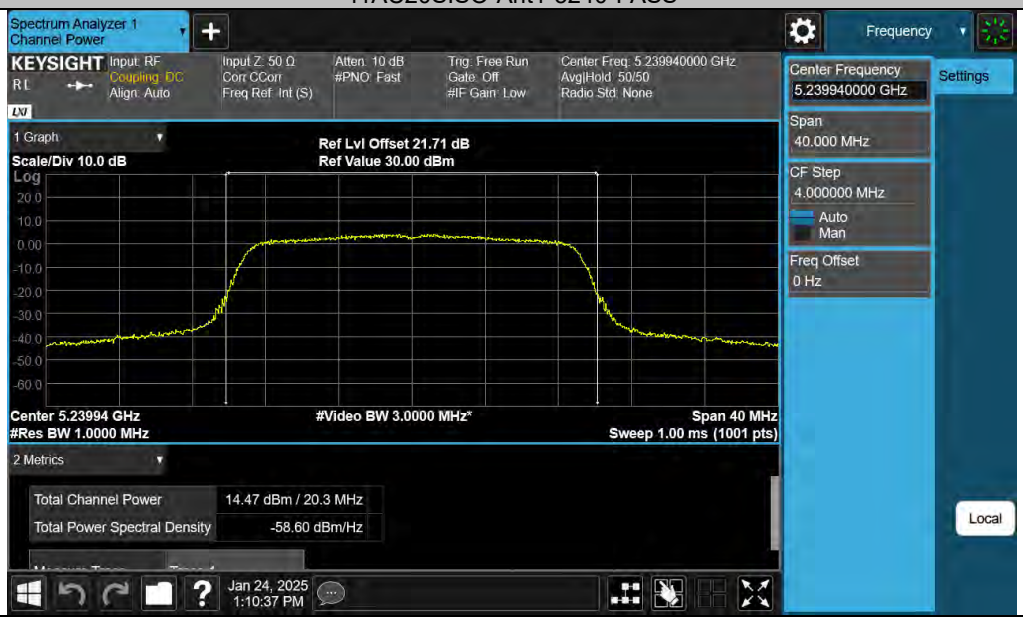
11N40SISO-Ant1-5755-PASS

11N40SISO-Ant1-5795-PASS

11AC20SISO-Ant1-5180-PASS

11AC20SISO-Ant1-5200-PASS

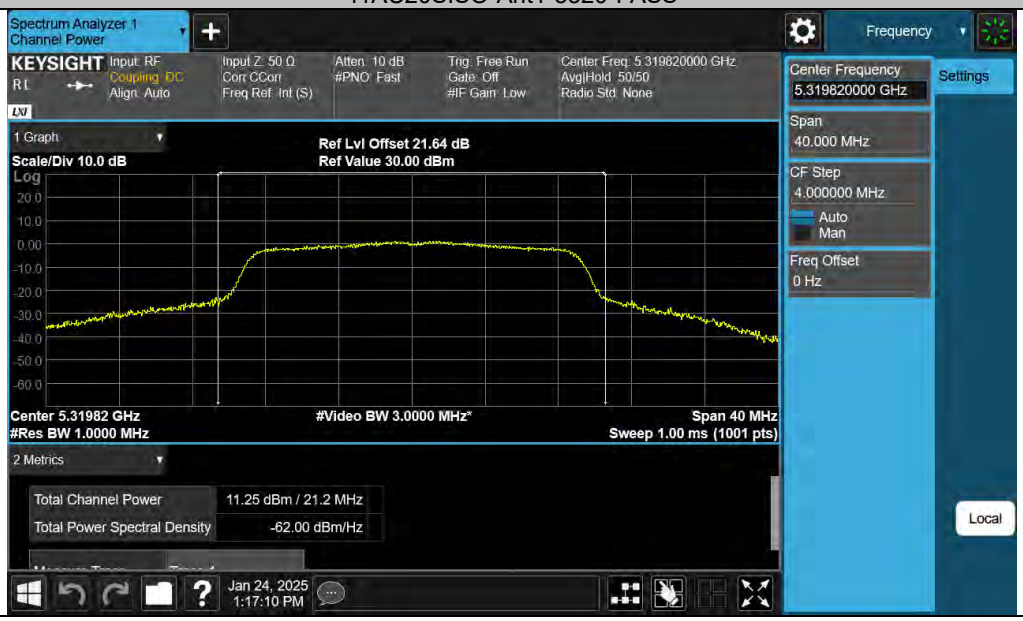
11AC20SISO-Ant1-5240-PASS



11AC20SISO-Ant1-5260-PASS

11AC20SISO-Ant1-5300-PASS

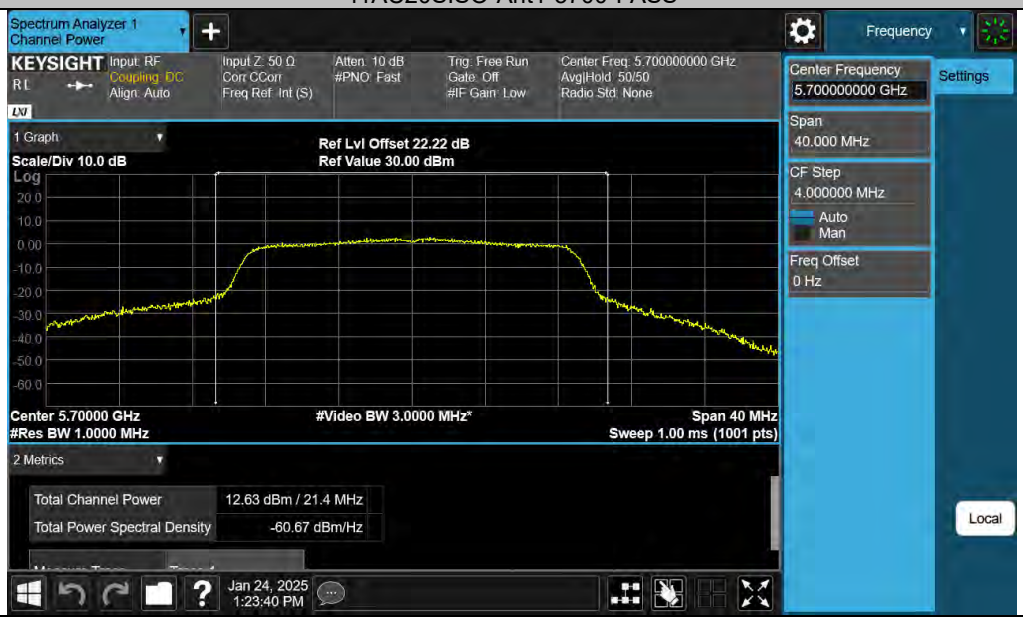
11AC20SISO-Ant1-5320-PASS



11AC20SISO-Ant1-5500-PASS

11AC20SISO-Ant1-5580-PASS

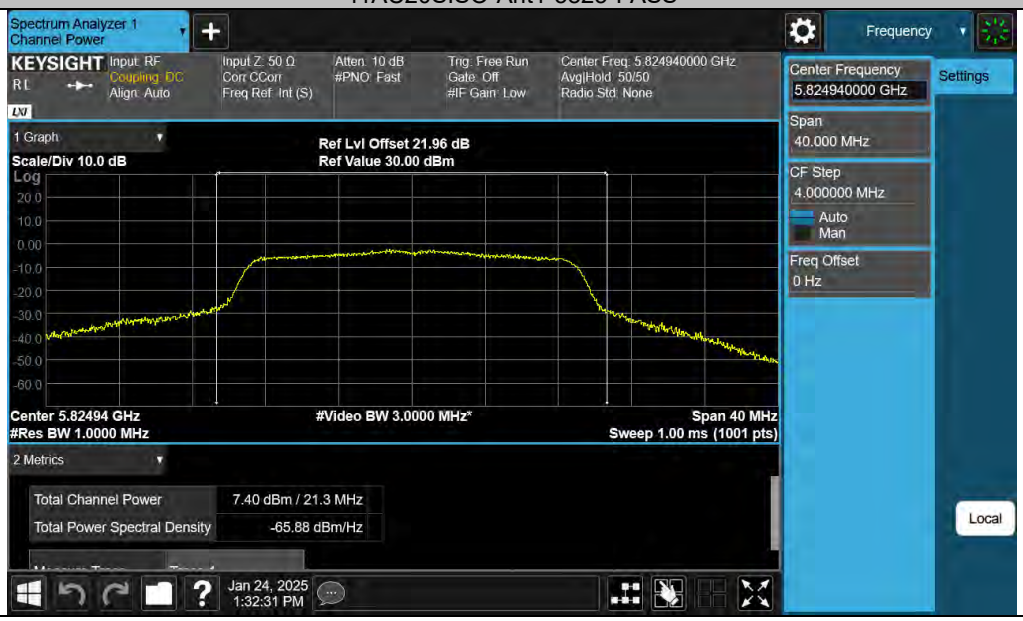
11AC20SISO-Ant1-5700-PASS



11AC20SISO-Ant1-5745-PASS

11AC20SISO-Ant1-5785-PASS

11AC20SISO-Ant1-5825-PASS



11AC40SISO-Ant1-5190-PASS

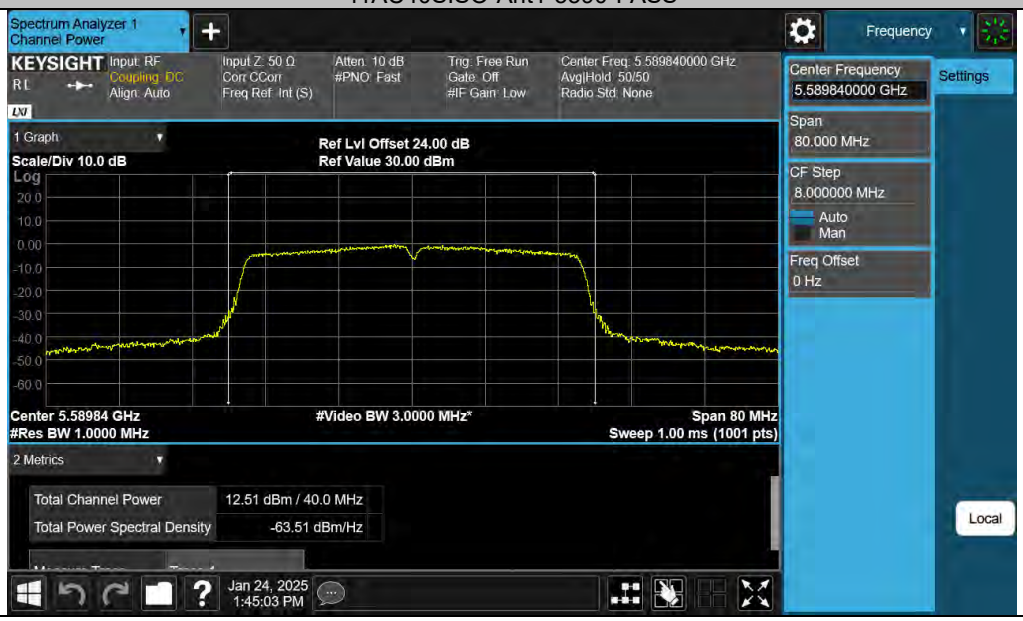
11AC40SISO-Ant1-5230-PASS

11AC40SISO-Ant1-5270-PASS

11AC40SISO-Ant1-5310-PASS

11AC40SISO-Ant1-5510-PASS

11AC40SISO-Ant1-5590-PASS



11AC40SISO-Ant1-5670-PASS

11AC40SISO-Ant1-5755-PASS

11AC40SISO-Ant1-5795-PASS

11AC80SISO-Ant1-5210-PASS

11AC80SISO-Ant1-5290-PASS

11AC80SISO-Ant1-5530-PASS

11AC80SISO-Ant1-5610-PASS

11AC80SISO-Ant1-5775-PASS

Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	3.50	≤11.00	PASS
11A	Ant1	5200	3.29	≤11.00	PASS
11A	Ant1	5240	3.95	≤11.00	PASS
11A	Ant1	5260	-0.13	≤11.00	PASS
11A	Ant1	5300	-0.34	≤11.00	PASS
11A	Ant1	5320	-0.71	≤11.00	PASS
11A	Ant1	5500	-1.00	≤11.00	PASS
11A	Ant1	5580	-0.19	≤11.00	PASS
11A	Ant1	5700	-0.20	≤11.00	PASS
11A	Ant1	5745	-4.94	≤30.00	PASS
11A	Ant1	5785	-4.72	≤30.00	PASS
11A	Ant1	5825	-5.79	≤30.00	PASS
11N20SISO	Ant1	5180	4.42	≤11.00	PASS
11N20SISO	Ant1	5200	4.40	≤11.00	PASS
11N20SISO	Ant1	5240	4.99	≤11.00	PASS
11N20SISO	Ant1	5260	2.99	≤11.00	PASS
11N20SISO	Ant1	5300	2.35	≤11.00	PASS
11N20SISO	Ant1	5320	2.02	≤11.00	PASS
11N20SISO	Ant1	5500	1.70	≤11.00	PASS
11N20SISO	Ant1	5580	2.49	≤11.00	PASS
11N20SISO	Ant1	5700	2.70	≤11.00	PASS
11N20SISO	Ant1	5745	-3.27	≤30.00	PASS
11N20SISO	Ant1	5785	-3.39	≤30.00	PASS
11N20SISO	Ant1	5825	-3.70	≤30.00	PASS
11N40SISO	Ant1	5190	3.13	≤11.00	PASS
11N40SISO	Ant1	5230	3.85	≤11.00	PASS
11N40SISO	Ant1	5270	1.72	≤11.00	PASS
11N40SISO	Ant1	5310	0.77	≤11.00	PASS
11N40SISO	Ant1	5510	0.49	≤11.00	PASS
11N40SISO	Ant1	5590	1.49	≤11.00	PASS
11N40SISO	Ant1	5670	1.47	≤11.00	PASS
11N40SISO	Ant1	5755	-4.44	≤30.00	PASS
11N40SISO	Ant1	5795	-4.33	≤30.00	PASS
11AC20SISO	Ant1	5180	4.24	≤11.00	PASS
11AC20SISO	Ant1	5200	4.18	≤11.00	PASS
11AC20SISO	Ant1	5240	4.61	≤11.00	PASS
11AC20SISO	Ant1	5260	2.66	≤11.00	PASS
11AC20SISO	Ant1	5300	2.16	≤11.00	PASS
11AC20SISO	Ant1	5320	1.77	≤11.00	PASS
11AC20SISO	Ant1	5500	1.69	≤11.00	PASS
11AC20SISO	Ant1	5580	2.54	≤11.00	PASS
11AC20SISO	Ant1	5700	2.66	≤11.00	PASS
11AC20SISO	Ant1	5745	-2.94	≤30.00	PASS
11AC20SISO	Ant1	5785	-3.26	≤30.00	PASS
11AC20SISO	Ant1	5825	-3.80	≤30.00	PASS
11AC40SISO	Ant1	5190	3.14	≤11.00	PASS
11AC40SISO	Ant1	5230	4.33	≤11.00	PASS
11AC40SISO	Ant1	5270	1.55	≤11.00	PASS
11AC40SISO	Ant1	5310	1.02	≤11.00	PASS
11AC40SISO	Ant1	5510	0.67	≤11.00	PASS
11AC40SISO	Ant1	5590	1.21	≤11.00	PASS
11AC40SISO	Ant1	5670	1.65	≤11.00	PASS
11AC40SISO	Ant1	5755	-4.16	≤30.00	PASS

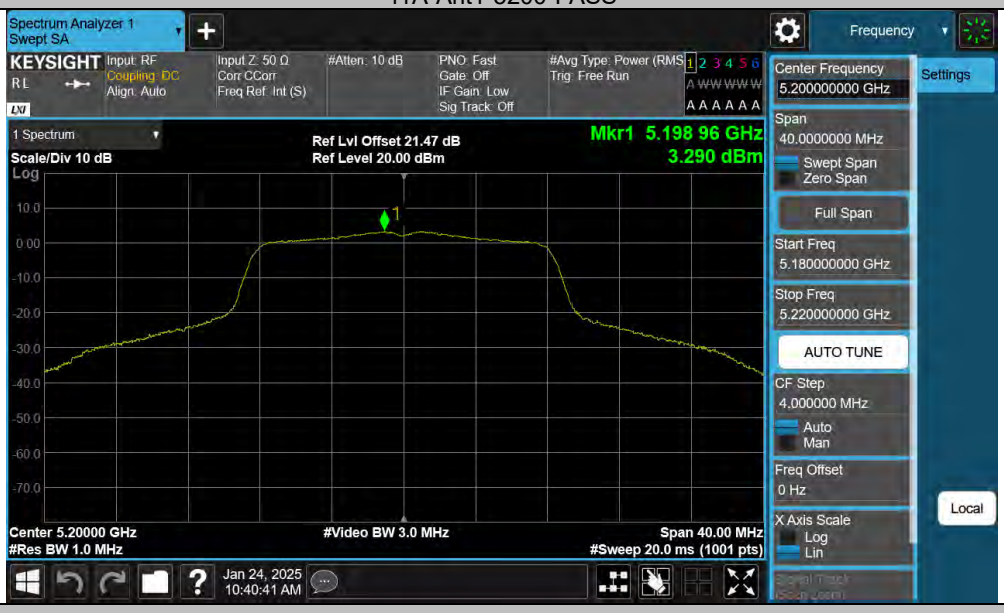
11AC40SISO	Ant1	5795	-4.86	≤30.00	PASS
11AC80SISO	Ant1	5210	3.38	≤11.00	PASS
11AC80SISO	Ant1	5290	1.98	≤11.00	PASS
11AC80SISO	Ant1	5530	0.87	≤11.00	PASS
11AC80SISO	Ant1	5610	1.00	≤11.00	PASS
11AC80SISO	Ant1	5775	-4.11	≤30.00	PASS

Note：1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

11A-Ant1-5180-PASS

11A-Ant1-5200-PASS



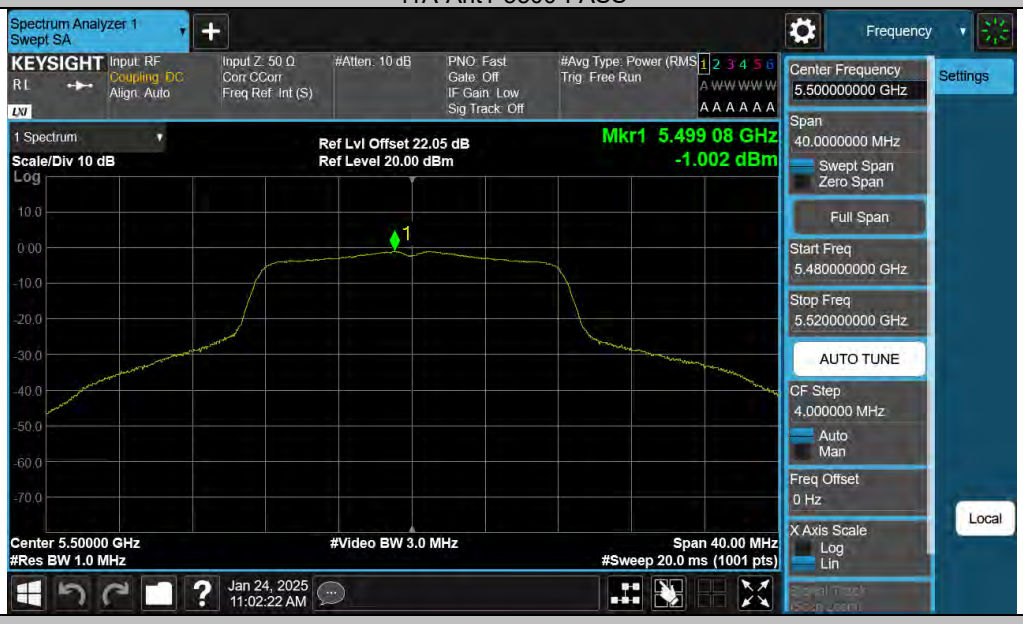
11A-Ant1-5240-PASS

11A-Ant1-5260-PASS

11A-Ant1-5300-PASS

11A-Ant1-5320-PASS

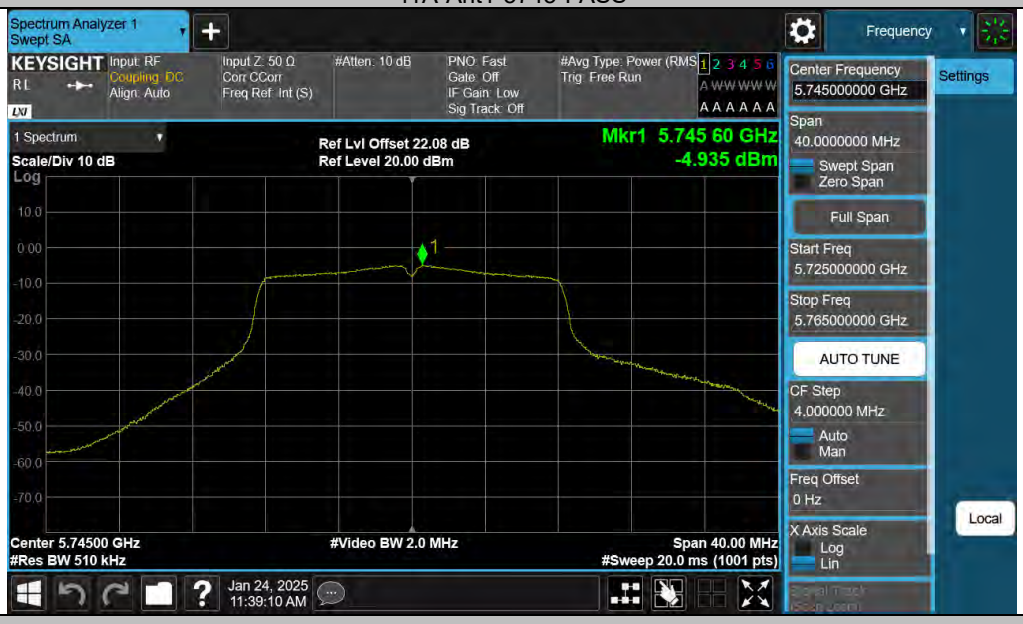
11A-Ant1-5500-PASS



11A-Ant1-5580-PASS

11A-Ant1-5700-PASS

11A-Ant1-5745-PASS



11A-Ant1-5785-PASS

11A-Ant1-5825-PASS

11N20SISO-Ant1-5180-PASS

11N20SISO-Ant1-5200-PASS

11N20SISO-Ant1-5240-PASS

11N20SISO-Ant1-5260-PASS

11N20SISO-Ant1-5300-PASS

11N20SISO-Ant1-5320-PASS

11N20SISO-Ant1-5500-PASS

11N20SISO-Ant1-5580-PASS

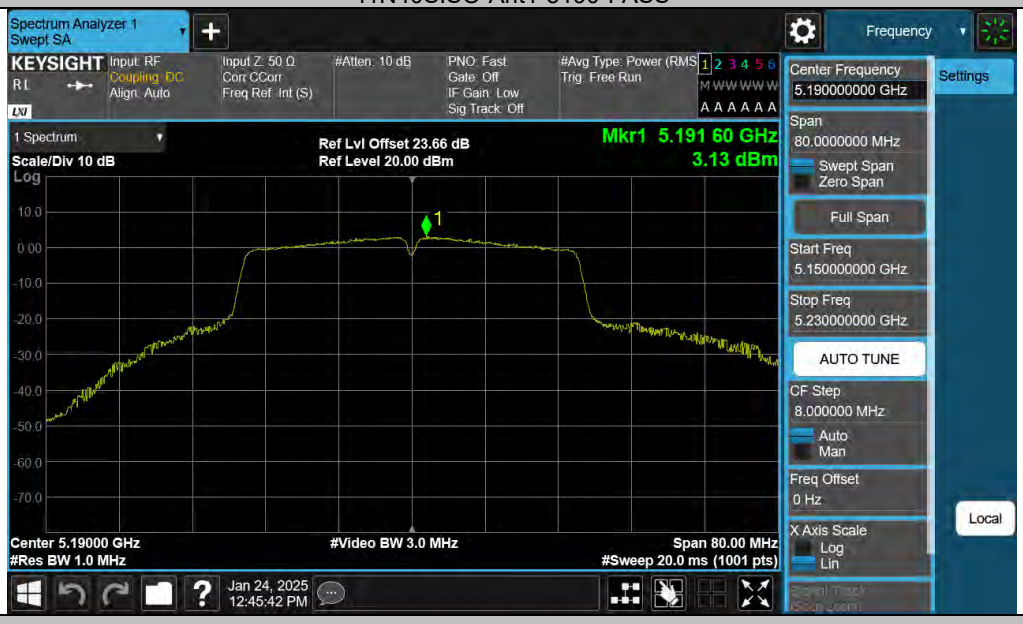
11N20SISO-Ant1-5700-PASS

11N20SISO-Ant1-5745-PASS

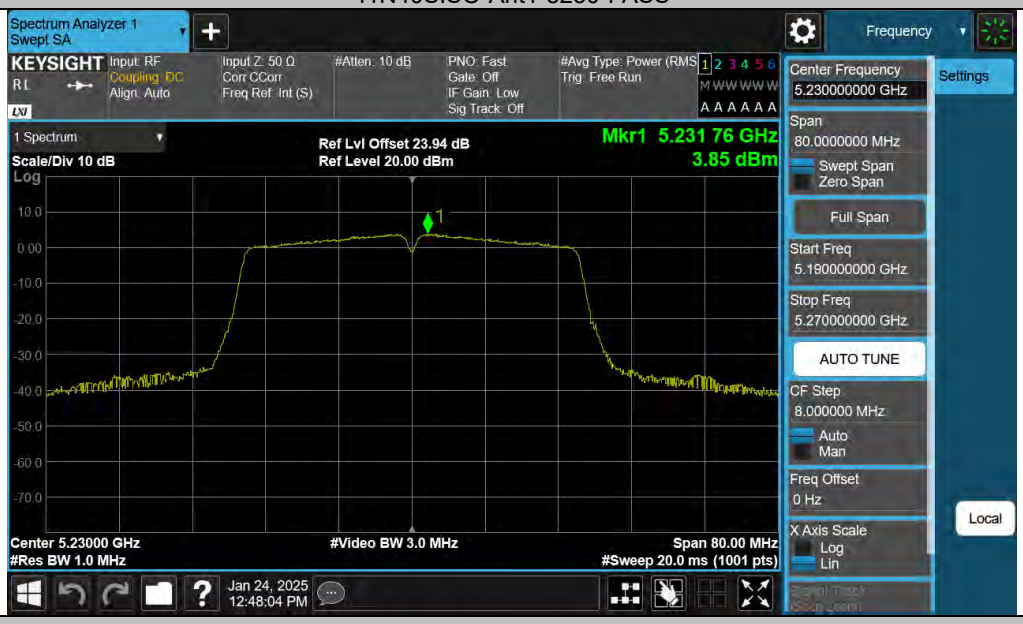
11N20SISO-Ant1-5785-PASS

11N20SISO-Ant1-5825-PASS

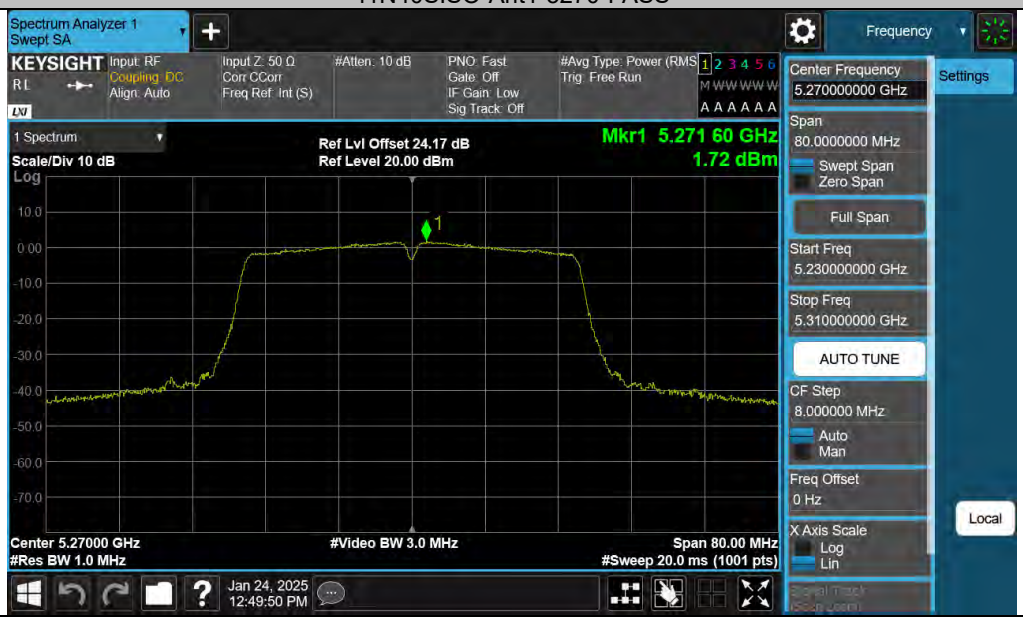
11N40SISO-Ant1-5190-PASS



11N40SISO-Ant1-5230-PASS



11N40SISO-Ant1-5270-PASS



11N40SISO-Ant1-5310-PASS

11N40SISO-Ant1-5510-PASS

11N40SISO-Ant1-5590-PASS

11N40SISO-Ant1-5670-PASS

11N40SISO-Ant1-5755-PASS

11N40SISO-Ant1-5795-PASS

11AC20SISO-Ant1-5180-PASS

11AC20SISO-Ant1-5200-PASS

11AC20SISO-Ant1-5240-PASS

11AC20SISO-Ant1-5260-PASS

11AC20SISO-Ant1-5300-PASS

11AC20SISO-Ant1-5320-PASS

11AC20SISO-Ant1-5500-PASS

11AC20SISO-Ant1-5580-PASS

11AC20SISO-Ant1-5700-PASS

11AC20SISO-Ant1-5745-PASS

11AC20SISO-Ant1-5785-PASS

11AC20SISO-Ant1-5825-PASS

11AC40SISO-Ant1-5190-PASS

11AC40SISO-Ant1-5230-PASS

11AC40SISO-Ant1-5270-PASS

11AC40SISO-Ant1-5310-PASS

11AC40SISO-Ant1-5510-PASS

11AC40SISO-Ant1-5590-PASS

11AC40SISO-Ant1-5670-PASS

11AC40SISO-Ant1-5755-PASS

11AC40SISO-Ant1-5795-PASS

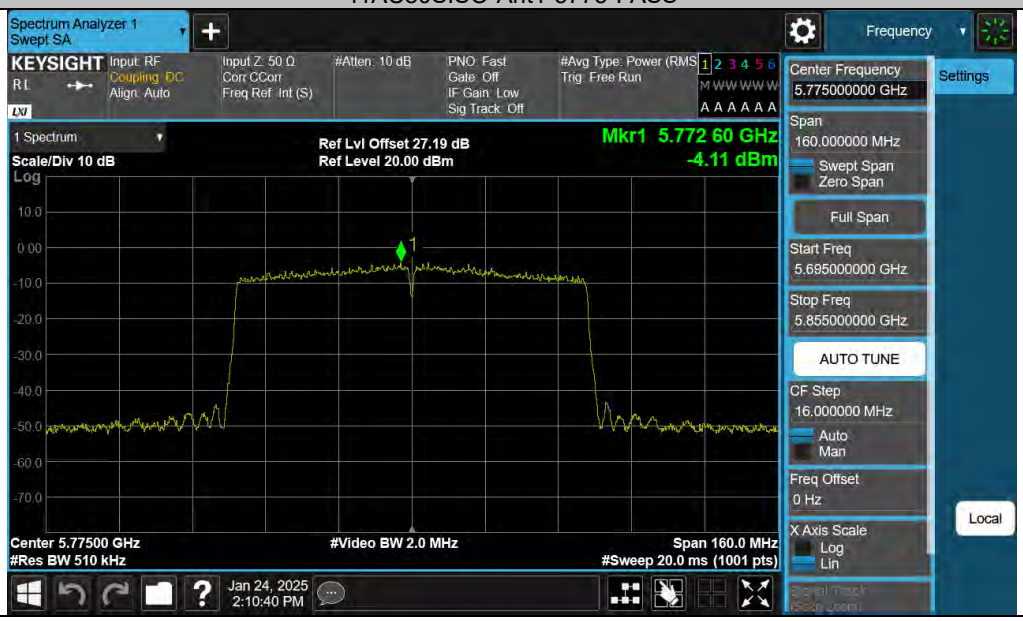
11AC80SISO-Ant1-5210-PASS

11AC80SISO-Ant1-5290-PASS

11AC80SISO-Ant1-5530-PASS

11AC80SISO-Ant1-5610-PASS

11AC80SISO-Ant1-5775-PASS



Appendix E: Band edge measurements

Test Result B4

Test Mode	Antenna	Ch Name	Frequency[MHz]	Freq Range [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5720~5725	-45.35	≤16.08	PASS
11A	Ant1	Low	5745	5700~5720	-42.56	≤10.60	PASS
11A	Ant1	Low	5745	5650~5700	-45.15	≤-26.96	PASS
11A	Ant1	Low	5745	5760~5650	-42.89	≤-27	PASS
11A	Ant1	High	5825	5850~5855	-44.57	≤15.73	PASS
11A	Ant1	High	5825	5855~5875	-43.91	≤10.36	PASS
11A	Ant1	High	5825	5875~5925	-44.38	≤-26.21	PASS
11A	Ant1	High	5825	5925~5935	-43.59	≤-27	PASS
11N20SISO	Ant1	Low	5745	5720~5725	-44.83	≤15.82	PASS
11N20SISO	Ant1	Low	5745	5700~5720	-42.6	≤10.73	PASS
11N20SISO	Ant1	Low	5745	5650~5700	-45.61	≤-26.79	PASS
11N20SISO	Ant1	Low	5745	5760~5650	-44.26	≤-27	PASS
11N20SISO	Ant1	High	5825	5850~5855	-45.33	≤15.73	PASS
11N20SISO	Ant1	High	5825	5855~5875	-44.32	≤10.06	PASS
11N20SISO	Ant1	High	5825	5875~5925	-43.67	≤-26.71	PASS
11N20SISO	Ant1	High	5825	5925~5935	-44.19	≤-27	PASS
11N40SISO	Ant1	Low	5755	5720~5725	-43.52	≤15.74	PASS
11N40SISO	Ant1	Low	5755	5700~5720	-43.69	≤11.04	PASS
11N40SISO	Ant1	Low	5755	5650~5700	-44.34	≤-26.20	PASS
11N40SISO	Ant1	Low	5755	5780~5650	-44.03	≤-27	PASS
11N40SISO	Ant1	High	5795	5850~5855	-45.95	≤15.66	PASS
11N40SISO	Ant1	High	5795	5855~5875	-43.46	≤10.76	PASS
11N40SISO	Ant1	High	5795	5875~5925	-44.17	≤-25.98	PASS
11N40SISO	Ant1	High	5795	5925~5935	-43.21	≤-27	PASS
11AC20SISO	Ant1	Low	5745	5720~5725	-43.98	≤15.82	PASS
11AC20SISO	Ant1	Low	5745	5700~5720	-43.65	≤10.25	PASS
11AC20SISO	Ant1	Low	5745	5650~5700	-44.08	≤-26.87	PASS
11AC20SISO	Ant1	Low	5745	5760~5650	-43.83	≤-27	PASS
11AC20SISO	Ant1	High	5825	5850~5855	-44.45	≤15.73	PASS
11AC20SISO	Ant1	High	5825	5855~5875	-43.67	≤10.97	PASS
11AC20SISO	Ant1	High	5825	5875~5925	-44.6	≤-26.81	PASS
11AC20SISO	Ant1	High	5825	5925~5935	-43.98	≤-27	PASS
11AC40SISO	Ant1	Low	5755	5720~5725	-43.14	≤16.04	PASS
11AC40SISO	Ant1	Low	5755	5700~5720	-43.16	≤10.59	PASS
11AC40SISO	Ant1	Low	5755	5650~5700	-44.56	≤-26.80	PASS
11AC40SISO	Ant1	Low	5755	5780~5650	-43.83	≤-27	PASS
11AC40SISO	Ant1	High	5795	5850~5855	-45.67	≤15.66	PASS
11AC40SISO	Ant1	High	5795	5855~5875	-44.05	≤10.76	PASS
11AC40SISO	Ant1	High	5795	5875~5925	-43.83	≤-26.10	PASS
11AC40SISO	Ant1	High	5795	5925~5935	-44.38	≤-27	PASS
11AC80SISO	Ant1	Low	5775	5720~5725	-44	≤16.71	PASS
11AC80SISO	Ant1	Low	5775	5700~5720	-43.01	≤11.14	PASS
11AC80SISO	Ant1	Low	5775	5650~5700	-45.07	≤-26.11	PASS
11AC80SISO	Ant1	Low	5775	5800~5650	-44.92	≤-27	PASS
11AC80SISO	Ant1	High	5775	5850~5855	-44.18	≤16.26	PASS
11AC80SISO	Ant1	High	5775	5855~5875	-44.31	≤10.40	PASS
11AC80SISO	Ant1	High	5775	5875~5925	-44.71	≤-26.32	PASS
11AC80SISO	Ant1	High	5775	5925~5935	-43.3	≤-27	PASS

Test Graphs B4

11A-Ant1-5745-PASS

11A-Ant1-5825-PASS

11N20SISO-Ant1-5745-PASS

11N20SISO-Ant1-5825-PASS

11N40SISO-Ant1-5755-PASS

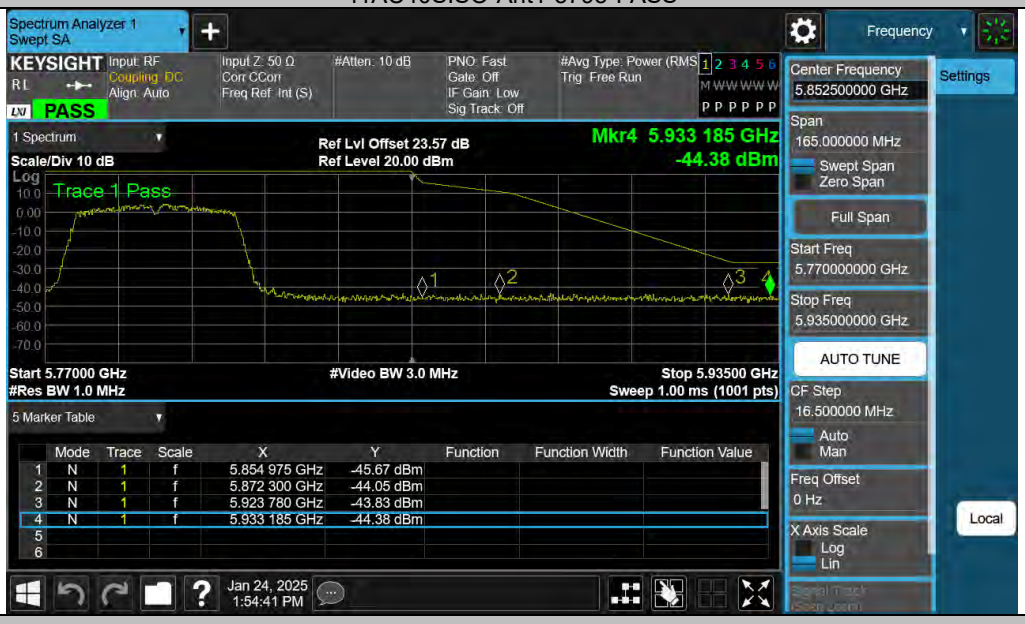
11N40SISO-Ant1-5795-PASS

11AC20SISO-Ant1-5745-PASS

11AC20SISO-Ant1-5825-PASS

11AC40SISO-Ant1-5755-PASS

11AC40SISO-Ant1-5795-PASS



11AC80SISO-Ant1-5775-PASS

11AC80SISO-Ant1-5775-PASS

Appendix G: Frequency Stability

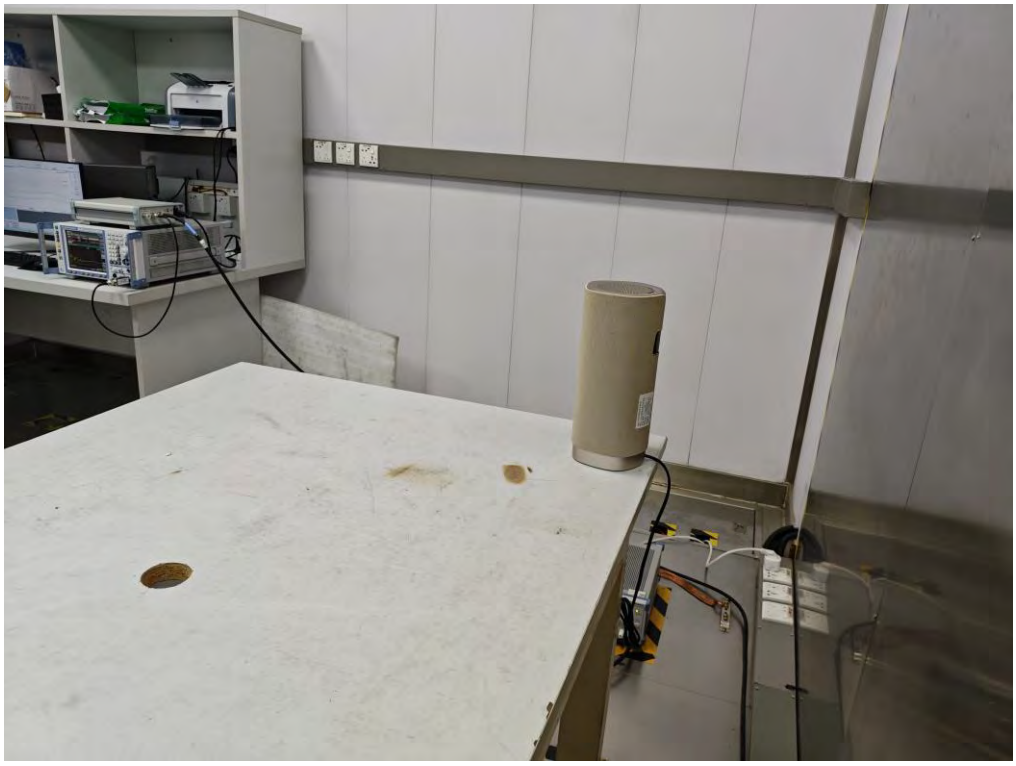
Test Result

Test Mode	Antenna	Frequency[MHz]	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	NT	-20000.00	-3.861004	20	PASS
11A	Ant1	5180	LV	NT	-20000.00	-3.861004	20	PASS
11A	Ant1	5180	HV	NT	-20000.00	-3.861004	20	PASS
11A	Ant1	5260	NV	NT	-40000.00	-7.604563	20	PASS
11A	Ant1	5260	LV	NT	-20000.00	-3.802281	20	PASS
11A	Ant1	5260	HV	NT	-40000.00	-7.604563	20	PASS
11A	Ant1	5500	NV	NT	-40000.00	-7.272727	20	PASS
11A	Ant1	5500	LV	NT	-20000.00	-3.636364	20	PASS
11A	Ant1	5500	HV	NT	0.00	0.000000	20	PASS
11A	Ant1	5745	NV	NT	-20000.00	-3.481288	20	PASS
11A	Ant1	5745	LV	NT	-20000.00	-3.481288	20	PASS
11A	Ant1	5745	HV	NT	-20000.00	-3.481288	20	PASS

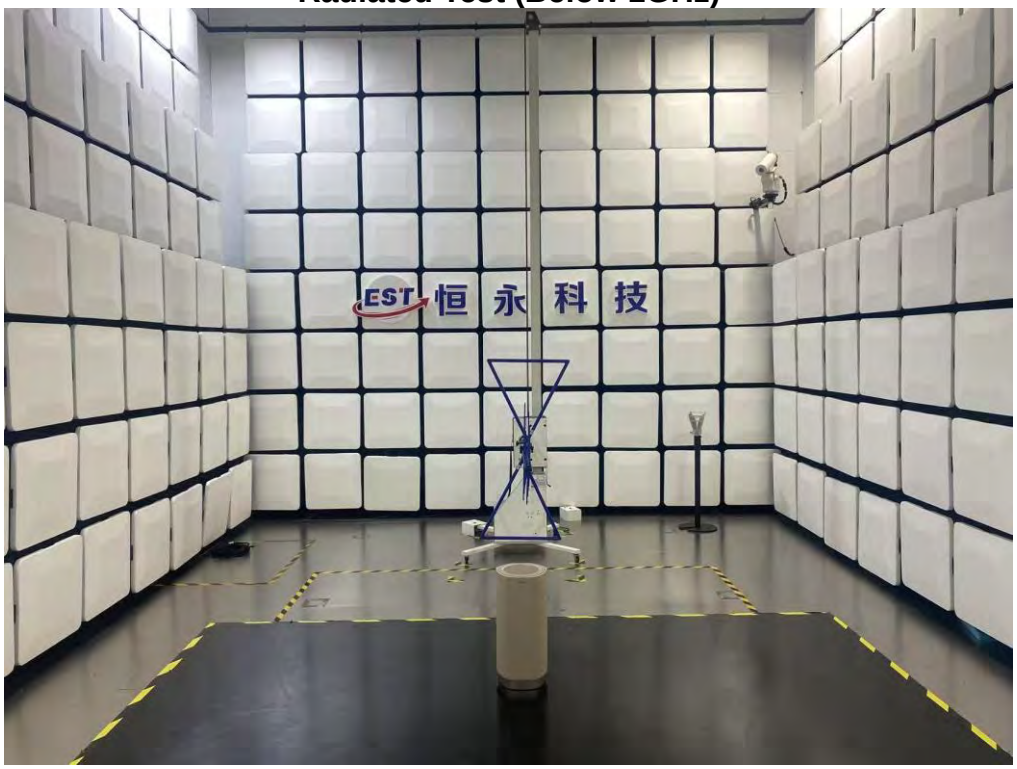
Test Mode	Antenna	Frequency[MHz]	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	-30	-20000.00	-3.861004	20	PASS
11A	Ant1	5180	NV	-20	0.00	0.000000	20	PASS
11A	Ant1	5180	NV	-10	0.00	0.000000	20	PASS
11A	Ant1	5180	NV	0	0.00	0.000000	20	PASS
11A	Ant1	5180	NV	10	-20000.00	-3.861004	20	PASS
11A	Ant1	5180	NV	20	-20000.00	-3.861004	20	PASS
11A	Ant1	5180	NV	30	-20000.00	-3.861004	20	PASS
11A	Ant1	5180	NV	40	0.00	0.000000	20	PASS
11A	Ant1	5180	NV	50	-20000.00	-3.861004	20	PASS
11A	Ant1	5260	NV	-30	-20000.00	-3.802281	20	PASS
11A	Ant1	5260	NV	-20	-20000.00	-3.802281	20	PASS
11A	Ant1	5260	NV	-10	-20000.00	-3.802281	20	PASS
11A	Ant1	5260	NV	0	-20000.00	-3.802281	20	PASS
11A	Ant1	5260	NV	10	-20000.00	-3.802281	20	PASS
11A	Ant1	5260	NV	20	-20000.00	-3.802281	20	PASS
11A	Ant1	5260	NV	30	-20000.00	-3.802281	20	PASS
11A	Ant1	5260	NV	40	-20000.00	-3.802281	20	PASS
11A	Ant1	5260	NV	50	-20000.00	-3.802281	20	PASS
11A	Ant1	5500	NV	-30	-20000.00	-3.636364	20	PASS
11A	Ant1	5500	NV	-20	-20000.00	-3.636364	20	PASS
11A	Ant1	5500	NV	-10	-20000.00	-3.636364	20	PASS
11A	Ant1	5500	NV	0	-20000.00	-3.636364	20	PASS
11A	Ant1	5500	NV	10	-20000.00	-3.636364	20	PASS
11A	Ant1	5500	NV	20	-20000.00	-3.636364	20	PASS
11A	Ant1	5500	NV	30	-20000.00	-3.636364	20	PASS
11A	Ant1	5500	NV	40	-20000.00	-3.636364	20	PASS
11A	Ant1	5500	NV	50	-20000.00	-3.636364	20	PASS
11A	Ant1	5745	NV	-30	-20000.00	-3.481288	20	PASS
11A	Ant1	5745	NV	-20	-20000.00	-3.481288	20	PASS
11A	Ant1	5745	NV	-10	-20000.00	-3.481288	20	PASS
11A	Ant1	5745	NV	0	-20000.00	-3.481288	20	PASS
11A	Ant1	5745	NV	10	-20000.00	-3.481288	20	PASS
11A	Ant1	5745	NV	20	-20000.00	-3.481288	20	PASS
11A	Ant1	5745	NV	30	-20000.00	-3.481288	20	PASS
11A	Ant1	5745	NV	40	-20000.00	-3.481288	20	PASS
11A	Ant1	5745	NV	50	-20000.00	-3.481288	20	PASS

11. TEST SETUP PHOTO

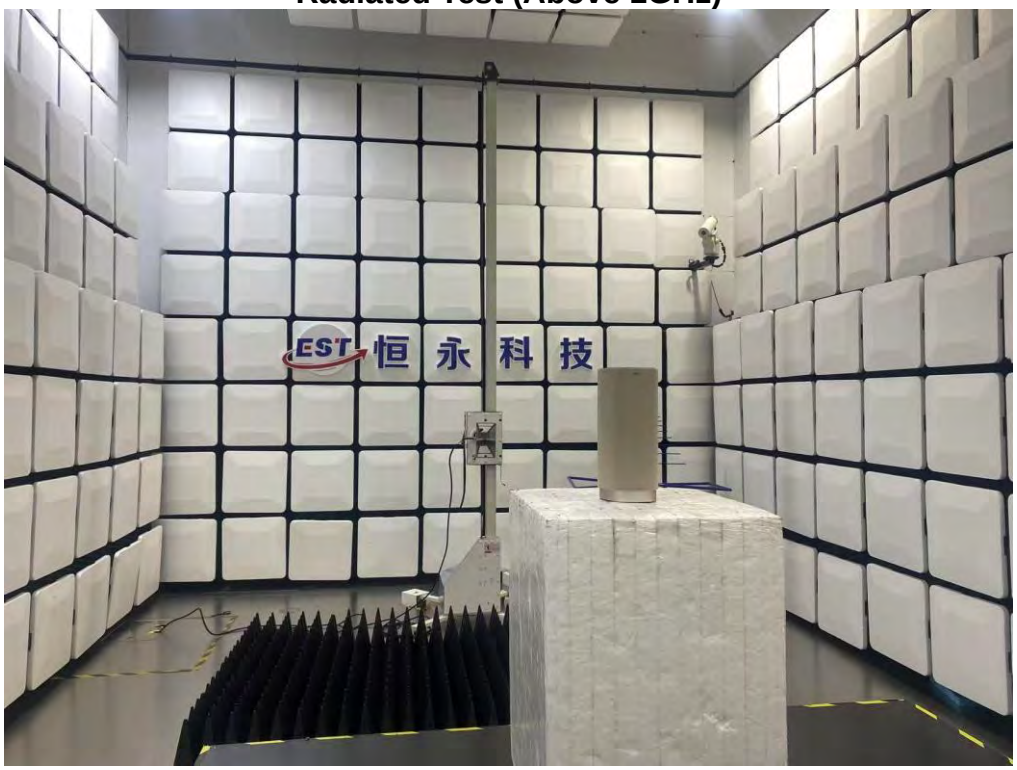
Conducted Test



Radiated Test (Below 1GHz)



Radiated Test (Above 1GHz)



12. EUT PHOTO

Refer to report no. ESTE-R2502065

End of Test Report