

Test Graphs B4

Metal Antenna



11A-Ant1-5745-PASS



11A-Ant1-5825-PASS



11N20SISO-Ant1-5745-PASS



11N20SISO-Ant1-5825-PASS



11AC20SISO-Ant1-5745-PASS



11AC20SISO-Ant1-5825-PASS

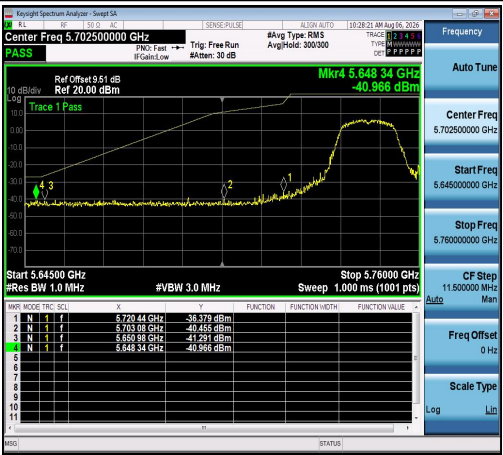


11AX20ISO-Ant1-5745-PASS



11AX20ISO-Ant1-5825-PASS

PCB Antenna



11A-Ant1-5745-PASS



11A-Ant1-5825-PASS



11N20SISO-Ant1-5745-PASS



11N20SISO-Ant1-5825-PASS



11A20SISO-Ant1-5745-PASS



11AC20SISO-Ant1-5825-PASS



11AX20ISO-Ant1-5745-PASS



11AX20ISO-Ant1-5825-PASS

Appendix F: Conducted Spurious Emission**Test Result**

Metal Antenna

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	30~5140	5136.93	-47.02	≤-27	PASS
11A	Ant1	5180	5360~40000	25668.42	-42.45	≤-27	PASS
11A	Ant1	5200	30~5140	4872.75	-49.78	≤-27	PASS
11A	Ant1	5200	5360~40000	24791.28	-42.72	≤-27	PASS
11A	Ant1	5240	30~5140	4909.88	-50.93	≤-27	PASS
11A	Ant1	5240	5360~40000	24677.31	-42.28	≤-27	PASS
11A	Ant1	5260	30~5140	4929.3	-50.55	≤-27	PASS
11A	Ant1	5260	5360~40000	26251.26	-41.03	≤-27	PASS
11A	Ant1	5280	30~5140	4948.89	-50.98	≤-27	PASS
11A	Ant1	5280	5360~40000	24832.39	-42.15	≤-27	PASS
11A	Ant1	5320	30~5140	4985.85	-50.03	≤-27	PASS
11A	Ant1	5320	5360~40000	25085.58	-42.13	≤-27	PASS
11A	Ant1	5500	30~5460	5460	-48.37	≤-27	PASS
11A	Ant1	5500	5735~40000	24692.75	-41.91	≤-27	PASS
11A	Ant1	5580	30~5460	5224.88	-51.89	≤-27	PASS
11A	Ant1	5580	5735~40000	24859.32	-42.11	≤-27	PASS
11A	Ant1	5700	30~5460	5337.46	-51.66	≤-27	PASS
11A	Ant1	5700	5735~40000	5735.71	-41.55	≤-27	PASS
11A	Ant1	5745	30~5650	5385.86	-51.75	≤-27	PASS
11A	Ant1	5745	5925~40000	24590.43	-42.74	≤-27	PASS
11A	Ant1	5785	30~5650	5420.7	-50.14	≤-27	PASS
11A	Ant1	5785	5925~40000	26302.42	-43.34	≤-27	PASS
11A	Ant1	5825	30~5650	5461.17	-50.37	≤-27	PASS
11A	Ant1	5825	5925~40000	24421.83	-42.33	≤-27	PASS
11N20SISO	Ant1	5180	30~5140	3588.6	-53.18	≤-27	PASS
11N20SISO	Ant1	5180	5360~40000	24821.57	-42.74	≤-27	PASS
11N20SISO	Ant1	5200	30~5140	828.69	-50.45	≤-27	PASS
11N20SISO	Ant1	5200	5360~40000	24842.49	-42.64	≤-27	PASS
11N20SISO	Ant1	5240	30~5140	4907.67	-53.02	≤-27	PASS
11N20SISO	Ant1	5240	5360~40000	24855.48	-41.9	≤-27	PASS
11N20SISO	Ant1	5260	30~5140	2426.59	-51.45	≤-27	PASS
11N20SISO	Ant1	5260	5360~40000	26194.27	-42.31	≤-27	PASS
11N20SISO	Ant1	5280	30~5140	4946.84	-50.57	≤-27	PASS
11N20SISO	Ant1	5280	5360~40000	24927.61	-41.84	≤-27	PASS
11N20SISO	Ant1	5320	30~5140	4987.04	-50.99	≤-27	PASS
11N20SISO	Ant1	5320	5360~40000	24829.51	-41.7	≤-27	PASS

11N20SISO	Ant1	5500	30~5460	5460	-45.69	≤-27	PASS
11N20SISO	Ant1	5500	5735~40000	24901.14	-41.87	≤-27	PASS
11N20SISO	Ant1	5580	30~5460	5226.87	-50.73	≤-27	PASS
11N20SISO	Ant1	5580	5735~40000	24577.21	-42.21	≤-27	PASS
11N20SISO	Ant1	5700	30~5460	5338.01	-51.55	≤-27	PASS
11N20SISO	Ant1	5700	5735~40000	5736.42	-35.37	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	5382.86	-50.76	≤-27	PASS
11N20SISO	Ant1	5745	5925~40000	24891.8	-42.28	≤-27	PASS
11N20SISO	Ant1	5785	30~5650	3556.18	-53.49	≤-27	PASS
11N20SISO	Ant1	5785	5925~40000	24554.6	-42.6	≤-27	PASS
11N20SISO	Ant1	5825	30~5650	1934.99	-41.48	≤-27	PASS
11N20SISO	Ant1	5825	5925~40000	26244.81	-42.74	≤-27	PASS
11AC20SISO	Ant1	5180	30~5140	5139.66	-42.29	≤-27	PASS
11AC20SISO	Ant1	5180	5360~40000	25345.98	-42.44	≤-27	PASS
11AC20SISO	Ant1	5200	30~5140	3597.8	-40.6	≤-27	PASS
11AC20SISO	Ant1	5200	5360~40000	24844.66	-42.7	≤-27	PASS
11AC20SISO	Ant1	5240	30~5140	3598.99	-38.44	≤-27	PASS
11AC20SISO	Ant1	5240	5360~40000	24906.69	-42.13	≤-27	PASS
11AC20SISO	Ant1	5260	30~5140	2632.52	-45.8	≤-27	PASS
11AC20SISO	Ant1	5260	5360~40000	24887.21	-42.19	≤-27	PASS
11AC20SISO	Ant1	5280	30~5140	4947.52	-51.61	≤-27	PASS
11AC20SISO	Ant1	5280	5360~40000	24843.93	-42.65	≤-27	PASS
11AC20SISO	Ant1	5320	30~5140	4985.34	-50.79	≤-27	PASS
11AC20SISO	Ant1	5320	5360~40000	25802.59	-41.7	≤-27	PASS
11AC20SISO	Ant1	5500	30~5460	5457.83	-45.15	≤-27	PASS
11AC20SISO	Ant1	5500	5735~40000	24811.83	-41.94	≤-27	PASS
11AC20SISO	Ant1	5580	30~5460	5228.86	-49.21	≤-27	PASS
11AC20SISO	Ant1	5580	5735~40000	24868.54	-41.07	≤-27	PASS
11AC20SISO	Ant1	5700	30~5460	2480.74	-50.75	≤-27	PASS
11AC20SISO	Ant1	5700	5735~40000	5736.42	-38.53	≤-27	PASS
11AC20SISO	Ant1	5745	30~5650	5384.55	-51.03	≤-27	PASS
11AC20SISO	Ant1	5745	5925~40000	25358.26	-43.22	≤-27	PASS
11AC20SISO	Ant1	5785	30~5650	5425.57	-49.46	≤-27	PASS
11AC20SISO	Ant1	5785	5925~40000	25077.96	-41.83	≤-27	PASS
11AC20SISO	Ant1	5825	30~5650	5457.05	-51.43	≤-27	PASS
11AC20SISO	Ant1	5825	5925~40000	24848.95	-41.86	≤-27	PASS
11AX20SISO	Ant1	5180	30~5140	5130.12	-42	≤-27	PASS
11AX20SISO	Ant1	5180	5360~40000	24610.22	-42.1	≤-27	PASS
11AX20SISO	Ant1	5200	30~5140	5136.93	-48.81	≤-27	PASS
11AX20SISO	Ant1	5200	5360~40000	24858.36	-43.06	≤-27	PASS
11AX20SISO	Ant1	5240	30~5140	33.75	-43.4	≤-27	PASS

11AX20SISO	Ant1	5240	5360~40000	24569.11	-41.98	≤ -27	PASS
11AX20SISO	Ant1	5260	30~5140	45.16	-45.79	≤ -27	PASS
11AX20SISO	Ant1	5260	5360~40000	24541.7	-41.67	≤ -27	PASS
11AX20SISO	Ant1	5280	30~5140	2526.58	-42.99	≤ -27	PASS
11AX20SISO	Ant1	5280	5360~40000	25399.36	-41.98	≤ -27	PASS
11AX20SISO	Ant1	5320	30~5140	31.87	-43.18	≤ -27	PASS
11AX20SISO	Ant1	5320	5360~40000	5362.16	-41.42	≤ -27	PASS
11AX20SISO	Ant1	5500	30~5460	5458.19	-38.48	≤ -27	PASS
11AX20SISO	Ant1	5500	5735~40000	24854.36	-41	≤ -27	PASS
11AX20SISO	Ant1	5580	30~5460	2473.68	-42.12	≤ -27	PASS
11AX20SISO	Ant1	5580	5735~40000	25399.45	-41.69	≤ -27	PASS
11AX20SISO	Ant1	5700	30~5460	31.81	-43.37	≤ -27	PASS
11AX20SISO	Ant1	5700	5735~40000	5737.13	-34.75	≤ -27	PASS
11AX20SISO	Ant1	5745	30~5650	45.17	-45.42	≤ -27	PASS
11AX20SISO	Ant1	5745	5925~40000	24461.17	-43.26	≤ -27	PASS
11AX20SISO	Ant1	5785	30~5650	45.92	-46.88	≤ -27	PASS
11AX20SISO	Ant1	5785	5925~40000	24871.43	-42.59	≤ -27	PASS
11AX20SISO	Ant1	5825	30~5650	38.43	-44.1	≤ -27	PASS
11AX20SISO	Ant1	5825	5925~40000	24666.3	-42.65	≤ -27	PASS

PCB Antenna

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	30~5140	32.38	-42.63	≤-27	PASS
11A	Ant1	5180	5360~40000	25400.8	-41.41	≤-27	PASS
11A	Ant1	5200	30~5140	2425.74	-42.33	≤-27	PASS
11A	Ant1	5200	5360~40000	24634.03	-42.21	≤-27	PASS
11A	Ant1	5240	30~5140	31.36	-32.3	≤-27	PASS
11A	Ant1	5240	5360~40000	25216.86	-42.21	≤-27	PASS
11A	Ant1	5260	30~5140	31.7	-32.99	≤-27	PASS
11A	Ant1	5260	5360~40000	24888.66	-42.18	≤-27	PASS
11A	Ant1	5280	30~5140	31.53	-40.83	≤-27	PASS
11A	Ant1	5280	5360~40000	24968.73	-43.7	≤-27	PASS
11A	Ant1	5320	30~5140	34.6	-43.32	≤-27	PASS
11A	Ant1	5320	5360~40000	24984.59	-42.81	≤-27	PASS
11A	Ant1	5500	30~5460	2422.28	-41.12	≤-27	PASS
11A	Ant1	5500	5735~40000	25113.09	-41.31	≤-27	PASS
11A	Ant1	5580	30~5460	33.44	-43.38	≤-27	PASS
11A	Ant1	5580	5735~40000	26800.11	-42.4	≤-27	PASS
11A	Ant1	5700	30~5460	34.53	-43.08	≤-27	PASS
11A	Ant1	5700	5735~40000	5735.71	-41.54	≤-27	PASS
11A	Ant1	5745	30~5650	2426.74	-45.34	≤-27	PASS
11A	Ant1	5745	5925~40000	25016.84	-43.49	≤-27	PASS
11A	Ant1	5785	30~5650	33	-43.92	≤-27	PASS
11A	Ant1	5785	5925~40000	25850.71	-43.24	≤-27	PASS
11A	Ant1	5825	30~5650	31.5	-44.32	≤-27	PASS
11A	Ant1	5825	5925~40000	24652.25	-43.34	≤-27	PASS
11N20SISO	Ant1	5180	30~5140	32.04	-42.43	≤-27	PASS
11N20SISO	Ant1	5180	5360~40000	25136.8	-42.92	≤-27	PASS
11N20SISO	Ant1	5200	30~5140	31.36	-43.4	≤-27	PASS
11N20SISO	Ant1	5200	5360~40000	24737.9	-42.94	≤-27	PASS
11N20SISO	Ant1	5240	30~5140	2458.1	-41.89	≤-27	PASS
11N20SISO	Ant1	5240	5360~40000	24768.19	-41.89	≤-27	PASS
11N20SISO	Ant1	5260	30~5140	32.38	-42.15	≤-27	PASS
11N20SISO	Ant1	5260	5360~40000	25095.68	-42.13	≤-27	PASS
11N20SISO	Ant1	5280	30~5140	30.51	-44.29	≤-27	PASS
11N20SISO	Ant1	5280	5360~40000	24797.77	-42.16	≤-27	PASS
11N20SISO	Ant1	5320	30~5140	827.84	-31.72	≤-27	PASS
11N20SISO	Ant1	5320	5360~40000	24998.3	-42.21	≤-27	PASS
11N20SISO	Ant1	5500	30~5460	31.99	-41.87	≤-27	PASS
11N20SISO	Ant1	5500	5735~40000	25833.26	-42.08	≤-27	PASS
11N20SISO	Ant1	5580	30~5460	33.8	-43.75	≤-27	PASS

11N20SISO	Ant1	5580	5735~40000	25819.79	-41.75	≤-27	PASS
11N20SISO	Ant1	5700	30~5460	31.81	-42.51	≤-27	PASS
11N20SISO	Ant1	5700	5735~40000	5739.96	-38.56	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	2452.41	-42.78	≤-27	PASS
11N20SISO	Ant1	5745	5925~40000	25243.05	-41.91	≤-27	PASS
11N20SISO	Ant1	5785	30~5650	31.5	-42.38	≤-27	PASS
11N20SISO	Ant1	5785	5925~40000	24239.18	-42.62	≤-27	PASS
11N20SISO	Ant1	5825	30~5650	31.69	-42.09	≤-27	PASS
11N20SISO	Ant1	5825	5925~40000	24835.6	-42.17	≤-27	PASS
11AC20SISO	Ant1	5180	30~5140	5136.25	-44.23	≤-27	PASS
11AC20SISO	Ant1	5180	5360~40000	25832.16	-42.63	≤-27	PASS
11AC20SISO	Ant1	5200	30~5140	31.7	-44.36	≤-27	PASS
11AC20SISO	Ant1	5200	5360~40000	24638.35	-42.62	≤-27	PASS
11AC20SISO	Ant1	5240	30~5140	30.17	-45.74	≤-27	PASS
11AC20SISO	Ant1	5240	5360~40000	25359.69	-42.35	≤-27	PASS
11AC20SISO	Ant1	5260	30~5140	2437.66	-38.45	≤-27	PASS
11AC20SISO	Ant1	5260	5360~40000	25842.26	-41.79	≤-27	PASS
11AC20SISO	Ant1	5280	30~5140	31.53	-43.1	≤-27	PASS
11AC20SISO	Ant1	5280	5360~40000	24570.55	-42.51	≤-27	PASS
11AC20SISO	Ant1	5320	30~5140	2402.57	-43.39	≤-27	PASS
11AC20SISO	Ant1	5320	5360~40000	24860.53	-42.03	≤-27	PASS
11AC20SISO	Ant1	5500	30~5460	33.26	-45.02	≤-27	PASS
11AC20SISO	Ant1	5500	5735~40000	25034.41	-41.95	≤-27	PASS
11AC20SISO	Ant1	5580	30~5460	2427.71	-44.35	≤-27	PASS
11AC20SISO	Ant1	5580	5735~40000	24961.4	-42.13	≤-27	PASS
11AC20SISO	Ant1	5700	30~5460	2439.65	-43.21	≤-27	PASS
11AC20SISO	Ant1	5700	5735~40000	5737.13	-33.86	≤-27	PASS
11AC20SISO	Ant1	5745	30~5650	5388.11	-50.62	≤-27	PASS
11AC20SISO	Ant1	5745	5925~40000	24827.17	-42.87	≤-27	PASS
11AC20SISO	Ant1	5785	30~5650	5419.77	-50.5	≤-27	PASS
11AC20SISO	Ant1	5785	5925~40000	25684.22	-43.26	≤-27	PASS
11AC20SISO	Ant1	5825	30~5650	5455.92	-50.89	≤-27	PASS
11AC20SISO	Ant1	5825	5925~40000	24873.53	-42.64	≤-27	PASS
11AX20SISO	Ant1	5180	30~5140	5127.23	-44.89	≤-27	PASS
11AX20SISO	Ant1	5180	5360~40000	25024.27	-42.17	≤-27	PASS
11AX20SISO	Ant1	5200	30~5140	4872.07	-49.67	≤-27	PASS
11AX20SISO	Ant1	5200	5360~40000	24839.61	-42.12	≤-27	PASS
11AX20SISO	Ant1	5240	30~5140	4912.26	-50.66	≤-27	PASS
11AX20SISO	Ant1	5240	5360~40000	25587.63	-43.01	≤-27	PASS
11AX20SISO	Ant1	5260	30~5140	2423.69	-46.01	≤-27	PASS
11AX20SISO	Ant1	5260	5360~40000	25351.03	-42.14	≤-27	PASS

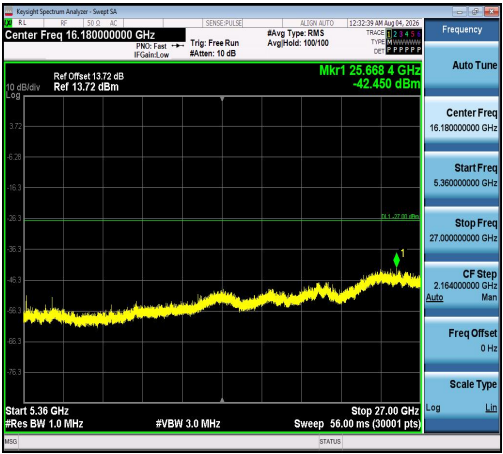
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11AX20SISO	Ant1	5320	30~5140	4983.63	-50.5	≤ -27	PASS
11AX20SISO	Ant1	5320	5360~40000	24895.15	-42.82	≤ -27	PASS
11AX20SISO	Ant1	5500	30~5460	5459.46	-35.77	≤ -27	PASS
11AX20SISO	Ant1	5500	5735~40000	24804.74	-41.52	≤ -27	PASS
11AX20SISO	Ant1	5580	30~5460	5231.94	-50.37	≤ -27	PASS
11AX20SISO	Ant1	5580	5735~40000	25363.3	-42.32	≤ -27	PASS
11AX20SISO	Ant1	5700	30~5460	5342.89	-52.93	≤ -27	PASS
11AX20SISO	Ant1	5700	5735~40000	5743.51	-36.94	≤ -27	PASS
11AX20SISO	Ant1	5745	30~5650	5387.92	-52.02	≤ -27	PASS
11AX20SISO	Ant1	5745	5925~40000	25537.4	-42.44	≤ -27	PASS
11AX20SISO	Ant1	5785	30~5650	5424.83	-52.09	≤ -27	PASS
11AX20SISO	Ant1	5785	5925~40000	24813.82	-43.26	≤ -27	PASS
11AX20SISO	Ant1	5825	30~5650	5463.98	-51.22	≤ -27	PASS
11AX20SISO	Ant1	5825	5925~40000	24445.01	-42.73	≤ -27	PASS

Test Graphs

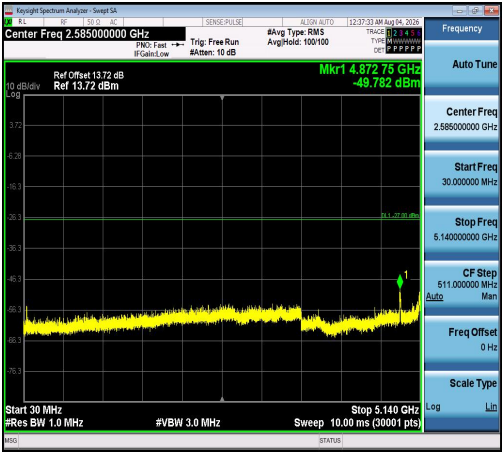
Metal Antenna



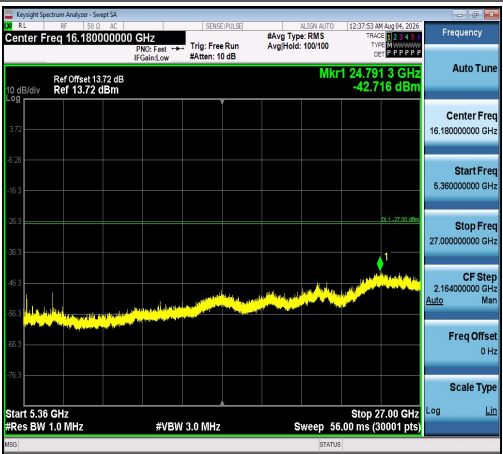
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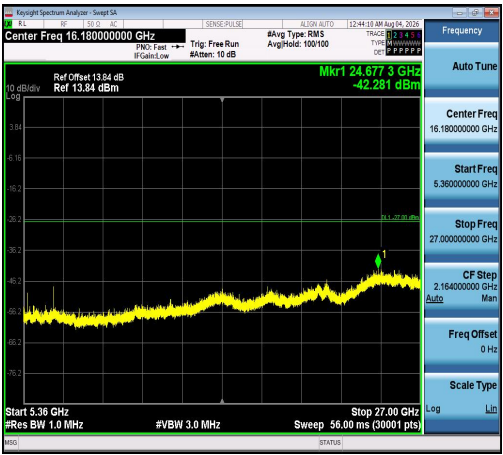
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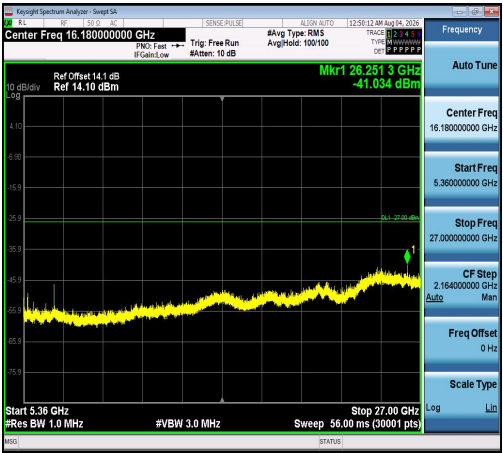
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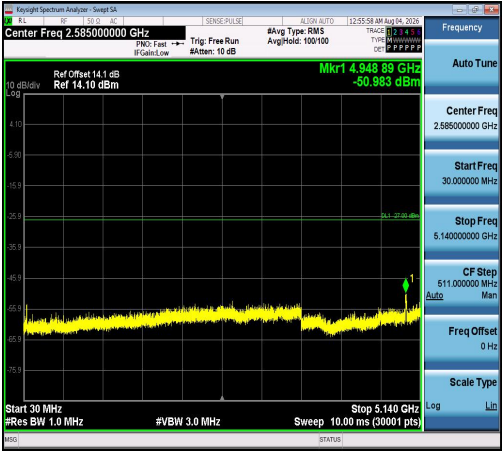
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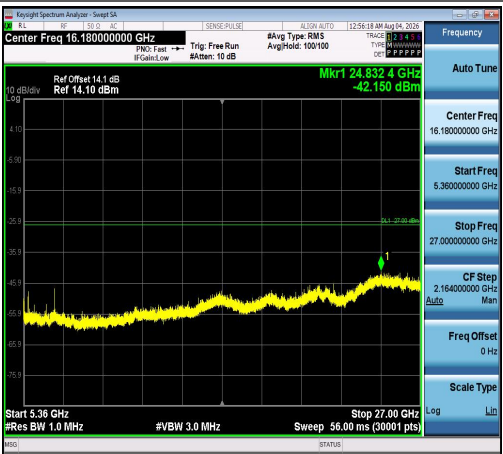
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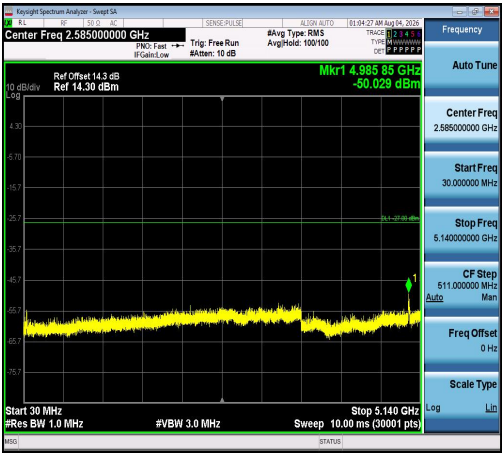
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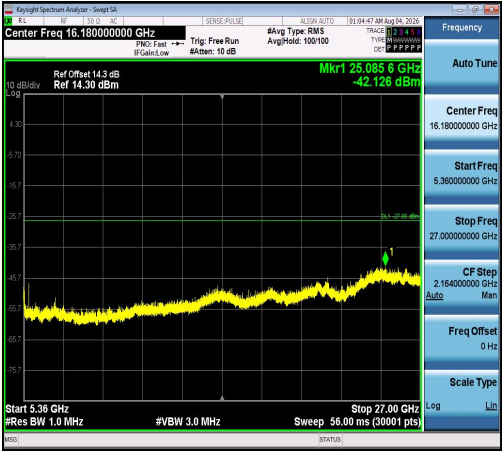
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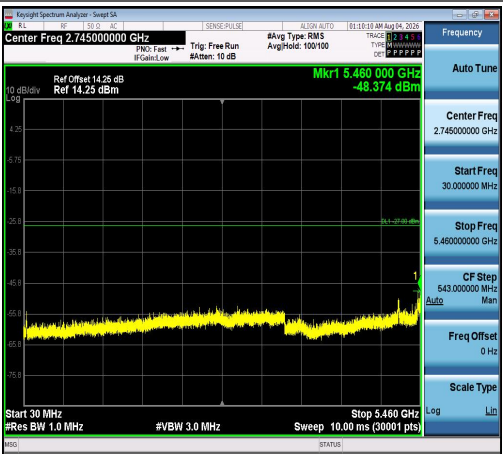
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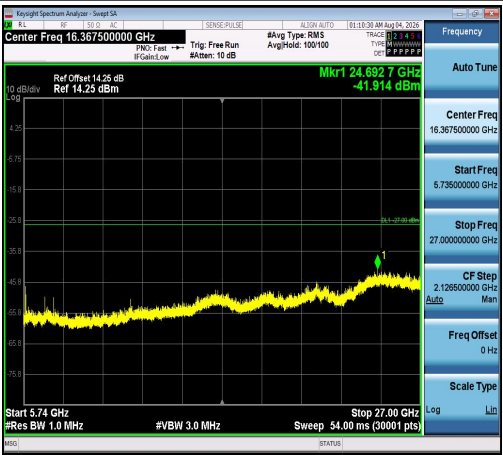
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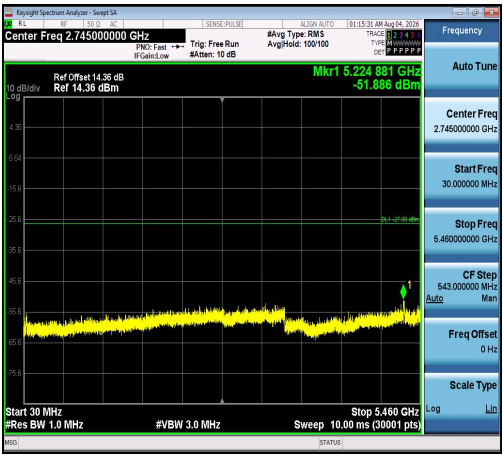
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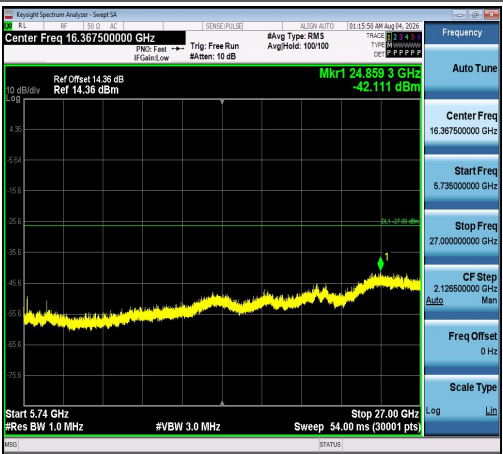
11A-Ant1-5500-30~5460-PASS



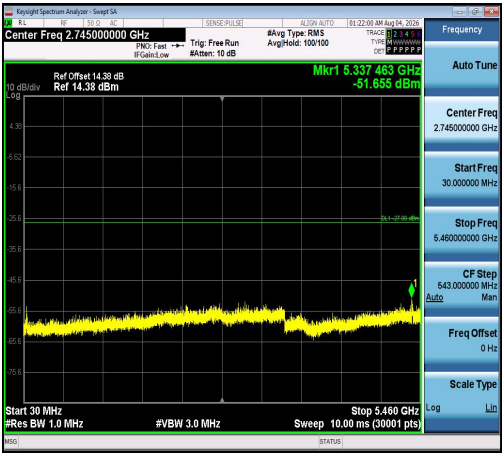
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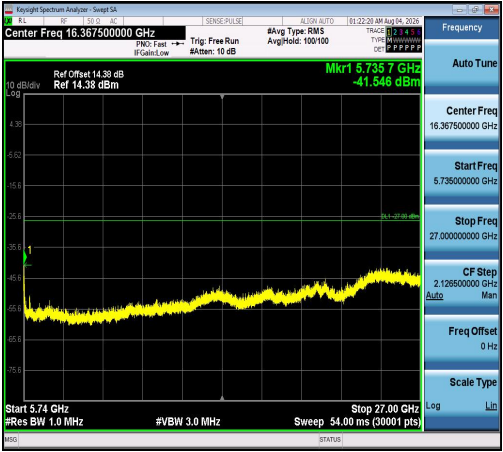
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11A-Ant1-5580-5735~40000-PASS



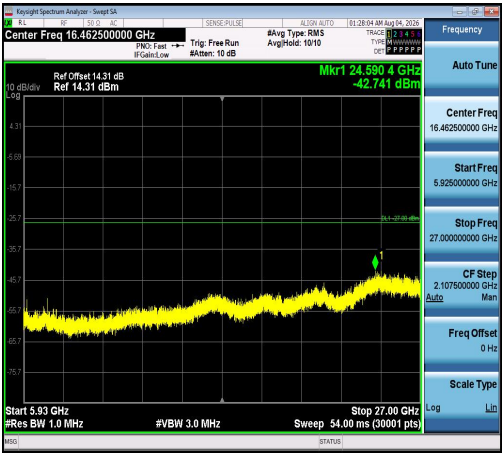
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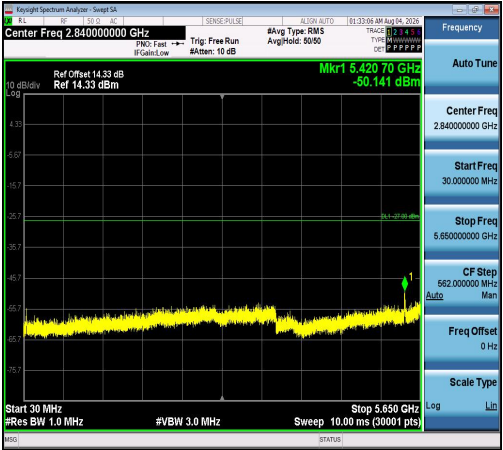
11A-Ant1-5700-5735~40000-PASS



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



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



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