



Appendix B.26

ENDC_5A_n2A



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Effective (Isotropic) Radiated Power Output Data for SA

Test Result

Ant1

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	EIRP (dBm)	Limit	Verdict
DC_5A_n2A	15	5+5	DFT-PI2BPSK	M+L	Inner_1RB_Left	22.68	24.61	33.00	PASS
DC_5A_n2A	15	5+5	DFT-PI2BPSK	M+L	Inner_1RB_Right	22.85	24.78	33.00	PASS
DC_5A_n2A	15	5+5	DFT-PI2BPSK	M+L	Outer_Full	22.22	24.15	33.00	PASS
DC_5A_n2A	15	5+5	DFT-QPSK	M+L	Inner_1RB_Left	22.72	24.65	33.00	PASS
DC_5A_n2A	15	5+5	DFT-QPSK	M+L	Inner_1RB_Right	22.88	24.81	33.00	PASS
DC_5A_n2A	15	5+5	DFT-QPSK	M+L	Outer_Full	21.95	23.88	33.00	PASS
DC_5A_n2A	15	5+5	DFT-16QAM	M+L	Inner_1RB_Left	21.52	23.45	33.00	PASS
DC_5A_n2A	15	5+5	DFT-16QAM	M+L	Inner_1RB_Right	21.8	23.73	33.00	PASS
DC_5A_n2A	15	5+5	DFT-16QAM	M+L	Outer_Full	21	22.93	33.00	PASS
DC_5A_n2A	15	5+5	DFT-64QAM	M+L	Inner_1RB_Left	19.93	21.86	33.00	PASS
DC_5A_n2A	15	5+5	DFT-64QAM	M+L	Inner_1RB_Right	20.22	22.15	33.00	PASS
DC_5A_n2A	15	5+5	DFT-64QAM	M+L	Outer_Full	20.09	22.02	33.00	PASS
DC_5A_n2A	15	5+5	DFT-256QAM	M+L	Inner_1RB_Left	17.64	19.57	33.00	PASS
DC_5A_n2A	15	5+5	DFT-256QAM	M+L	Inner_1RB_Right	17.78	19.71	33.00	PASS
DC_5A_n2A	15	5+5	DFT-256QAM	M+L	Outer_Full	18.44	20.37	33.00	PASS
DC_5A_n2A	15	5+5	DFT-PI2BPSK	M+M	Inner_1RB_Left	23.39	25.32	33.00	PASS
DC_5A_n2A	15	5+5	DFT-PI2BPSK	M+M	Inner_1RB_Right	23.4	25.33	33.00	PASS
DC_5A_n2A	15	5+5	DFT-PI2BPSK	M+M	Outer_Full	22.83	24.76	33.00	PASS
DC_5A_n2A	15	5+5	DFT-QPSK	M+M	Inner_1RB_Left	23.38	25.31	33.00	PASS
DC_5A_n2A	15	5+5	DFT-QPSK	M+M	Inner_1RB_Right	23.31	25.24	33.00	PASS
DC_5A_n2A	15	5+5	DFT-QPSK	M+M	Outer_Full	22.22	24.15	33.00	PASS
DC_5A_n2A	15	5+5	DFT-16QAM	M+M	Inner_1RB_Left	22.3	24.23	33.00	PASS
DC_5A_n2A	15	5+5	DFT-16QAM	M+M	Inner_1RB_Right	22.23	24.16	33.00	PASS
DC_5A_n2A	15	5+5	DFT-16QAM	M+M	Outer_Full	21.31	23.24	33.00	PASS
DC_5A_n2A	15	5+5	DFT-64QAM	M+M	Inner_1RB_Left	20.61	22.54	33.00	PASS
DC_5A_n2A	15	5+5	DFT-64QAM	M+M	Inner_1RB_Right	20.84	22.77	33.00	PASS
DC_5A_n2A	15	5+5	DFT-64QAM	M+M	Outer_Full	20.83	22.76	33.00	PASS
DC_5A_n2A	15	5+5	DFT-256QAM	M+M	Inner_1RB_Left	18.21	20.14	33.00	PASS
DC_5A_n2A	15	5+5	DFT-256QAM	M+M	Inner_1RB_Right	18.32	20.25	33.00	PASS
DC_5A_n2A	15	5+5	DFT-256QAM	M+M	Outer_Full	18.74	20.67	33.00	PASS
DC_5A_n2A	15	5+5	DFT-PI2BPSK	M+H	Inner_1RB_Left	23.07	25	33.00	PASS
DC_5A_n2A	15	5+5	DFT-PI2BPSK	M+H	Inner_1RB_Right	23.06	24.99	33.00	PASS
DC_5A_n2A	15	5+5	DFT-PI2BPSK	M+H	Outer_Full	22.54	24.47	33.00	PASS



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DC_5A_n2A	15	5+5	DFT-QPSK	M+H	Inner_1RB_Left	22.99	24.92	33.00	PASS
DC_5A_n2A	15	5+5	DFT-QPSK	M+H	Inner_1RB_Right	23.14	25.07	33.00	PASS
DC_5A_n2A	15	5+5	DFT-QPSK	M+H	Outer_Full	23.18	25.11	33.00	PASS
DC_5A_n2A	15	5+5	DFT-16QAM	M+H	Inner_1RB_Left	21.98	23.91	33.00	PASS
DC_5A_n2A	15	5+5	DFT-16QAM	M+H	Inner_1RB_Right	21.99	23.92	33.00	PASS
DC_5A_n2A	15	5+5	DFT-16QAM	M+H	Outer_Full	21.15	23.08	33.00	PASS
DC_5A_n2A	15	5+5	DFT-64QAM	M+H	Inner_1RB_Left	20.36	22.29	33.00	PASS
DC_5A_n2A	15	5+5	DFT-64QAM	M+H	Inner_1RB_Right	20.43	22.36	33.00	PASS
DC_5A_n2A	15	5+5	DFT-64QAM	M+H	Outer_Full	20.53	22.46	33.00	PASS
DC_5A_n2A	15	5+5	DFT-256QAM	M+H	Inner_1RB_Left	18.09	20.02	33.00	PASS
DC_5A_n2A	15	5+5	DFT-256QAM	M+H	Inner_1RB_Right	18.02	19.95	33.00	PASS
DC_5A_n2A	15	5+5	DFT-256QAM	M+H	Outer_Full	18.66	20.59	33.00	PASS
DC_5A_n2A	15	5+10	DFT-PI2BPSK	M+L	Inner_1RB_Left	22.73	24.66	33.00	PASS
DC_5A_n2A	15	5+10	DFT-PI2BPSK	M+L	Inner_1RB_Right	22.99	24.92	33.00	PASS
DC_5A_n2A	15	5+10	DFT-PI2BPSK	M+L	Outer_Full	23.23	25.16	33.00	PASS
DC_5A_n2A	15	5+10	DFT-QPSK	M+L	Inner_1RB_Left	22.8	24.73	33.00	PASS
DC_5A_n2A	15	5+10	DFT-QPSK	M+L	Inner_1RB_Right	23.08	25.01	33.00	PASS
DC_5A_n2A	15	5+10	DFT-QPSK	M+L	Outer_Full	21.83	23.76	33.00	PASS
DC_5A_n2A	15	5+10	DFT-16QAM	M+L	Inner_1RB_Left	21.57	23.5	33.00	PASS
DC_5A_n2A	15	5+10	DFT-16QAM	M+L	Inner_1RB_Right	21.12	23.05	33.00	PASS
DC_5A_n2A	15	5+10	DFT-16QAM	M+L	Outer_Full	21.04	22.97	33.00	PASS
DC_5A_n2A	15	5+10	DFT-64QAM	M+L	Inner_1RB_Left	20.03	21.96	33.00	PASS
DC_5A_n2A	15	5+10	DFT-64QAM	M+L	Inner_1RB_Right	20.42	22.35	33.00	PASS
DC_5A_n2A	15	5+10	DFT-64QAM	M+L	Outer_Full	20.36	22.29	33.00	PASS
DC_5A_n2A	15	5+10	DFT-256QAM	M+L	Inner_1RB_Left	17.57	19.5	33.00	PASS
DC_5A_n2A	15	5+10	DFT-256QAM	M+L	Inner_1RB_Right	17.94	19.87	33.00	PASS
DC_5A_n2A	15	5+10	DFT-256QAM	M+L	Outer_Full	18.4	20.33	33.00	PASS
DC_5A_n2A	15	5+10	DFT-PI2BPSK	M+M	Inner_1RB_Left	23.28	25.21	33.00	PASS
DC_5A_n2A	15	5+10	DFT-PI2BPSK	M+M	Inner_1RB_Right	23.44	25.37	33.00	PASS
DC_5A_n2A	15	5+10	DFT-PI2BPSK	M+M	Outer_Full	22.88	24.81	33.00	PASS
DC_5A_n2A	15	5+10	DFT-QPSK	M+M	Inner_1RB_Left	23.25	25.18	33.00	PASS
DC_5A_n2A	15	5+10	DFT-QPSK	M+M	Inner_1RB_Right	23.25	25.18	33.00	PASS
DC_5A_n2A	15	5+10	DFT-QPSK	M+M	Outer_Full	22.33	24.26	33.00	PASS
DC_5A_n2A	15	5+10	DFT-16QAM	M+M	Inner_1RB_Left	22.28	24.21	33.00	PASS
DC_5A_n2A	15	5+10	DFT-16QAM	M+M	Inner_1RB_Right	22.42	24.35	33.00	PASS
DC_5A_n2A	15	5+10	DFT-16QAM	M+M	Outer_Full	21.31	23.24	33.00	PASS
DC_5A_n2A	15	5+10	DFT-64QAM	M+M	Inner_1RB_Left	20.63	22.56	33.00	PASS
DC_5A_n2A	15	5+10	DFT-64QAM	M+M	Inner_1RB_Right	20.75	22.68	33.00	PASS
DC_5A_n2A	15	5+10	DFT-64QAM	M+M	Outer_Full	20.76	22.69	33.00	PASS
DC_5A_n2A	15	5+10	DFT-256QAM	M+M	Inner_1RB_Left	18.09	20.02	33.00	PASS

DC_5A_n2A	15	5+10	DFT-256QAM	M+M	Inner_1RB_Right	18.31	20.24	33.00	PASS
DC_5A_n2A	15	5+10	DFT-256QAM	M+M	Outer_Full	18.83	20.76	33.00	PASS
DC_5A_n2A	15	5+10	DFT-PI2BPSK	M+H	Inner_1RB_Left	23.24	25.17	33.00	PASS
DC_5A_n2A	15	5+10	DFT-PI2BPSK	M+H	Inner_1RB_Right	23.03	24.96	33.00	PASS
DC_5A_n2A	15	5+10	DFT-PI2BPSK	M+H	Outer_Full	22.64	24.57	33.00	PASS
DC_5A_n2A	15	5+10	DFT-QPSK	M+H	Inner_1RB_Left	22.86	24.79	33.00	PASS
DC_5A_n2A	15	5+10	DFT-QPSK	M+H	Inner_1RB_Right	22.59	24.52	33.00	PASS
DC_5A_n2A	15	5+10	DFT-QPSK	M+H	Outer_Full	22.53	24.46	33.00	PASS
DC_5A_n2A	15	5+10	DFT-16QAM	M+H	Inner_1RB_Left	22.09	24.02	33.00	PASS
DC_5A_n2A	15	5+10	DFT-16QAM	M+H	Inner_1RB_Right	21.99	23.92	33.00	PASS
DC_5A_n2A	15	5+10	DFT-16QAM	M+H	Outer_Full	21.15	23.08	33.00	PASS
DC_5A_n2A	15	5+10	DFT-64QAM	M+H	Inner_1RB_Left	20.36	22.29	33.00	PASS
DC_5A_n2A	15	5+10	DFT-64QAM	M+H	Inner_1RB_Right	20.31	22.24	33.00	PASS
DC_5A_n2A	15	5+10	DFT-64QAM	M+H	Outer_Full	20.62	22.55	33.00	PASS
DC_5A_n2A	15	5+10	DFT-256QAM	M+H	Inner_1RB_Left	18.03	19.96	33.00	PASS
DC_5A_n2A	15	5+10	DFT-256QAM	M+H	Inner_1RB_Right	18.01	19.94	33.00	PASS
DC_5A_n2A	15	5+10	DFT-256QAM	M+H	Outer_Full	18.6	20.53	33.00	PASS
DC_5A_n2A	15	5+15	DFT-PI2BPSK	M+L	Inner_1RB_Left	22.83	24.76	33.00	PASS
DC_5A_n2A	15	5+15	DFT-PI2BPSK	M+L	Inner_1RB_Right	23.14	25.07	33.00	PASS
DC_5A_n2A	15	5+15	DFT-PI2BPSK	M+L	Outer_Full	23.2	25.13	33.00	PASS
DC_5A_n2A	15	5+15	DFT-QPSK	M+L	Inner_1RB_Left	22.93	24.86	33.00	PASS
DC_5A_n2A	15	5+15	DFT-QPSK	M+L	Inner_1RB_Right	23.4	25.33	33.00	PASS
DC_5A_n2A	15	5+15	DFT-QPSK	M+L	Outer_Full	22.22	24.15	33.00	PASS
DC_5A_n2A	15	5+15	DFT-16QAM	M+L	Inner_1RB_Left	21.95	23.88	33.00	PASS
DC_5A_n2A	15	5+15	DFT-16QAM	M+L	Inner_1RB_Right	21.58	23.51	33.00	PASS
DC_5A_n2A	15	5+15	DFT-16QAM	M+L	Outer_Full	21.13	23.06	33.00	PASS
DC_5A_n2A	15	5+15	DFT-64QAM	M+L	Inner_1RB_Left	20.54	22.47	33.00	PASS
DC_5A_n2A	15	5+15	DFT-64QAM	M+L	Inner_1RB_Right	20.7	22.63	33.00	PASS
DC_5A_n2A	15	5+15	DFT-64QAM	M+L	Outer_Full	20.58	22.51	33.00	PASS
DC_5A_n2A	15	5+15	DFT-256QAM	M+L	Inner_1RB_Left	17.78	19.71	33.00	PASS
DC_5A_n2A	15	5+15	DFT-256QAM	M+L	Inner_1RB_Right	17.69	19.62	33.00	PASS
DC_5A_n2A	15	5+15	DFT-256QAM	M+L	Outer_Full	18.65	20.58	33.00	PASS
DC_5A_n2A	15	5+15	DFT-PI2BPSK	M+M	Inner_1RB_Left	23.46	25.39	33.00	PASS
DC_5A_n2A	15	5+15	DFT-PI2BPSK	M+M	Inner_1RB_Right	23.42	25.35	33.00	PASS
DC_5A_n2A	15	5+15	DFT-PI2BPSK	M+M	Outer_Full	22.93	24.86	33.00	PASS
DC_5A_n2A	15	5+15	DFT-QPSK	M+M	Inner_1RB_Left	23.57	25.5	33.00	PASS
DC_5A_n2A	15	5+15	DFT-QPSK	M+M	Inner_1RB_Right	23.6	25.53	33.00	PASS
DC_5A_n2A	15	5+15	DFT-QPSK	M+M	Outer_Full	22.44	24.37	33.00	PASS
DC_5A_n2A	15	5+15	DFT-16QAM	M+M	Inner_1RB_Left	22.46	24.39	33.00	PASS
DC_5A_n2A	15	5+15	DFT-16QAM	M+M	Inner_1RB_Right	22.53	24.46	33.00	PASS
DC_5A_n2A	15	5+15	DFT-16QAM	M+M	Outer_Full	21.51	23.44	33.00	PASS
DC_5A_n2A	15	5+15	DFT-64QAM	M+M	Inner_1RB_Left	20.75	22.68	33.00	PASS
DC_5A_n2A	15	5+15	DFT-64QAM	M+M	Inner_1RB_Right	20.82	22.75	33.00	PASS



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DC_5A_n2A	15	5+15	DFT-64QAM	M+M	Outer_Full	21.02	22.95	33.00	PASS
DC_5A_n2A	15	5+15	DFT-256QAM	M+M	Inner_1RB_Left	18.31	20.24	33.00	PASS
DC_5A_n2A	15	5+15	DFT-256QAM	M+M	Inner_1RB_Right	18.52	20.45	33.00	PASS
DC_5A_n2A	15	5+15	DFT-256QAM	M+M	Outer_Full	18.93	20.86	33.00	PASS
DC_5A_n2A	15	5+15	DFT-PI2BPSK	M+H	Inner_1RB_Left	23.29	25.22	33.00	PASS
DC_5A_n2A	15	5+15	DFT-PI2BPSK	M+H	Inner_1RB_Right	23.11	25.04	33.00	PASS
DC_5A_n2A	15	5+15	DFT-PI2BPSK	M+H	Outer_Full	22.57	24.5	33.00	PASS
DC_5A_n2A	15	5+15	DFT-QPSK	M+H	Inner_1RB_Left	23.22	25.15	33.00	PASS
DC_5A_n2A	15	5+15	DFT-QPSK	M+H	Inner_1RB_Right	23.25	25.18	33.00	PASS
DC_5A_n2A	15	5+15	DFT-QPSK	M+H	Outer_Full	22.11	24.04	33.00	PASS
DC_5A_n2A	15	5+15	DFT-16QAM	M+H	Inner_1RB_Left	22.22	24.15	33.00	PASS
DC_5A_n2A	15	5+15	DFT-16QAM	M+H	Inner_1RB_Right	22.14	24.07	33.00	PASS
DC_5A_n2A	15	5+15	DFT-16QAM	M+H	Outer_Full	21.17	23.1	33.00	PASS
DC_5A_n2A	15	5+15	DFT-64QAM	M+H	Inner_1RB_Left	20.48	22.41	33.00	PASS
DC_5A_n2A	15	5+15	DFT-64QAM	M+H	Inner_1RB_Right	20.53	22.46	33.00	PASS
DC_5A_n2A	15	5+15	DFT-64QAM	M+H	Outer_Full	20.55	22.48	33.00	PASS
DC_5A_n2A	15	5+15	DFT-256QAM	M+H	Inner_1RB_Left	18.36	20.29	33.00	PASS
DC_5A_n2A	15	5+15	DFT-256QAM	M+H	Inner_1RB_Right	18.03	19.96	33.00	PASS
DC_5A_n2A	15	5+15	DFT-256QAM	M+H	Outer_Full	18.7	20.63	33.00	PASS
DC_5A_n2A	15	5+20	DFT-PI2BPSK	M+L	Inner_1RB_Left	22.94	24.87	33.00	PASS
DC_5A_n2A	15	5+20	DFT-PI2BPSK	M+L	Inner_1RB_Right	23.46	25.39	33.00	PASS
DC_5A_n2A	15	5+20	DFT-PI2BPSK	M+L	Outer_Full	22.62	24.55	33.00	PASS
DC_5A_n2A	15	5+20	DFT-QPSK	M+L	Inner_1RB_Left	22.94	24.87	33.00	PASS
DC_5A_n2A	15	5+20	DFT-QPSK	M+L	Inner_1RB_Right	23.43	25.36	33.00	PASS
DC_5A_n2A	15	5+20	DFT-QPSK	M+L	Outer_Full	22.16	24.09	33.00	PASS
DC_5A_n2A	15	5+20	DFT-16QAM	M+L	Inner_1RB_Left	21.91	23.84	33.00	PASS
DC_5A_n2A	15	5+20	DFT-16QAM	M+L	Inner_1RB_Right	22.38	24.31	33.00	PASS
DC_5A_n2A	15	5+20	DFT-16QAM	M+L	Outer_Full	21.18	23.11	33.00	PASS
DC_5A_n2A	15	5+20	DFT-64QAM	M+L	Inner_1RB_Left	20.02	21.95	33.00	PASS
DC_5A_n2A	15	5+20	DFT-64QAM	M+L	Inner_1RB_Right	20.72	22.65	33.00	PASS
DC_5A_n2A	15	5+20	DFT-64QAM	M+L	Outer_Full	20.68	22.61	33.00	PASS
DC_5A_n2A	15	5+20	DFT-256QAM	M+L	Inner_1RB_Left	17.79	19.72	33.00	PASS
DC_5A_n2A	15	5+20	DFT-256QAM	M+L	Inner_1RB_Right	18.35	20.28	33.00	PASS
DC_5A_n2A	15	5+20	DFT-256QAM	M+L	Outer_Full	18.74	20.67	33.00	PASS
DC_5A_n2A	15	5+20	DFT-PI2BPSK	M+M	Inner_1RB_Left	23.48	25.41	33.00	PASS
DC_5A_n2A	15	5+20	DFT-PI2BPSK	M+M	Inner_1RB_Right	23.37	25.3	33.00	PASS
DC_5A_n2A	15	5+20	DFT-PI2BPSK	M+M	Outer_Full	22.92	24.85	33.00	PASS
DC_5A_n2A	15	5+20	DFT-QPSK	M+M	Inner_1RB_Left	23.47	25.4	33.00	PASS
DC_5A_n2A	15	5+20	DFT-QPSK	M+M	Inner_1RB_Right	23.48	25.41	33.00	PASS
DC_5A_n2A	15	5+20	DFT-QPSK	M+M	Outer_Full	22.5	24.43	33.00	PASS

DC_5A_n2A	15	5+20	DFT-16QAM	M+M	Inner_1RB_Left	22.4	24.33	33.00	PASS
DC_5A_n2A	15	5+20	DFT-16QAM	M+M	Inner_1RB_Right	22.28	24.21	33.00	PASS
DC_5A_n2A	15	5+20	DFT-16QAM	M+M	Outer_Full	21.49	23.42	33.00	PASS
DC_5A_n2A	15	5+20	DFT-64QAM	M+M	Inner_1RB_Left	20.59	22.52	33.00	PASS
DC_5A_n2A	15	5+20	DFT-64QAM	M+M	Inner_1RB_Right	20.71	22.64	33.00	PASS
DC_5A_n2A	15	5+20	DFT-64QAM	M+M	Outer_Full	21.06	22.99	33.00	PASS
DC_5A_n2A	15	5+20	DFT-256QAM	M+M	Inner_1RB_Left	18.21	20.14	33.00	PASS
DC_5A_n2A	15	5+20	DFT-256QAM	M+M	Inner_1RB_Right	18.3	20.23	33.00	PASS
DC_5A_n2A	15	5+20	DFT-256QAM	M+M	Outer_Full	19.09	21.02	33.00	PASS
DC_5A_n2A	15	5+20	DFT-PI2BPSK	M+H	Inner_1RB_Left	23.35	25.28	33.00	PASS
DC_5A_n2A	15	5+20	DFT-PI2BPSK	M+H	Inner_1RB_Right	23.07	25	33.00	PASS
DC_5A_n2A	15	5+20	DFT-PI2BPSK	M+H	Outer_Full	22.76	24.69	33.00	PASS
DC_5A_n2A	15	5+20	DFT-QPSK	M+H	Inner_1RB_Left	23.32	25.25	33.00	PASS
DC_5A_n2A	15	5+20	DFT-QPSK	M+H	Inner_1RB_Right	23.68	25.61	33.00	PASS
DC_5A_n2A	15	5+20	DFT-QPSK	M+H	Outer_Full	23.5	25.43	33.00	PASS
DC_5A_n2A	15	5+20	DFT-16QAM	M+H	Inner_1RB_Left	22.13	24.06	33.00	PASS
DC_5A_n2A	15	5+20	DFT-16QAM	M+H	Inner_1RB_Right	22.02	23.95	33.00	PASS
DC_5A_n2A	15	5+20	DFT-16QAM	M+H	Outer_Full	21.27	23.2	33.00	PASS
DC_5A_n2A	15	5+20	DFT-64QAM	M+H	Inner_1RB_Left	20.64	22.57	33.00	PASS
DC_5A_n2A	15	5+20	DFT-64QAM	M+H	Inner_1RB_Right	20.56	22.49	33.00	PASS
DC_5A_n2A	15	5+20	DFT-64QAM	M+H	Outer_Full	20.66	22.59	33.00	PASS
DC_5A_n2A	15	5+20	DFT-256QAM	M+H	Inner_1RB_Left	18.14	20.07	33.00	PASS
DC_5A_n2A	15	5+20	DFT-256QAM	M+H	Inner_1RB_Right	17.93	19.86	33.00	PASS
DC_5A_n2A	15	5+20	DFT-256QAM	M+H	Outer_Full	18.76	20.69	33.00	PASS



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Peak-to-Average Ratio for SA

Peak-to-Average Ratio(CCDF)

Test Graphs



1-DC_5A_n2A-15-20-L-15-NS_01-DFT-256QAM-Out er_Full-100@0-7.92



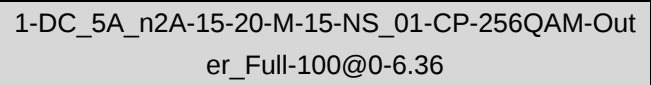
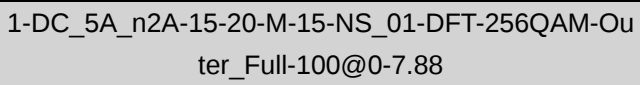
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1-DC_5A_n2A-15-20-M-15-NS_01-DFT-256QAM-Out er_Full-100@0-8.09



1-DC_5A_n2A-15-20-M-15-NS_01-CP-256QAM-Out er_Full-100@0-6.53





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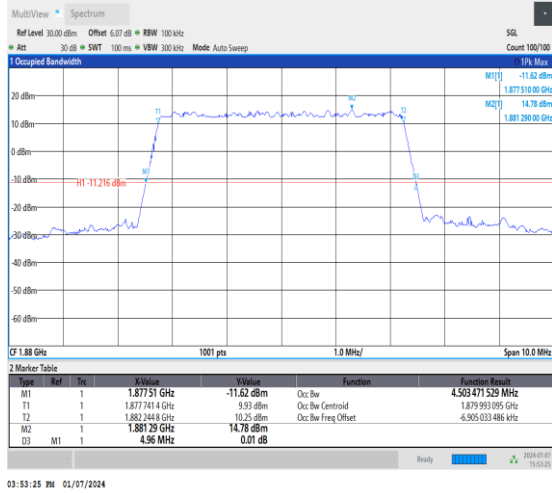
26dB Bandwidth and Occupied Bandwidth for SA

Test Result

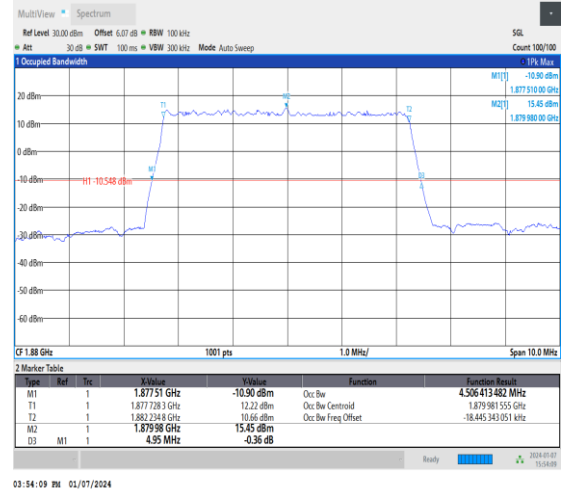
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
DC_5A_n2A	15	5	DFT-QPSK	M	Outer_Full	4.503	4.960	PASS
DC_5A_n2A	15	5	DFT-PI2BPSK	M	Outer_Full	4.506	4.950	PASS
DC_5A_n2A	15	5	DFT-16QAM	M	Outer_Full	4.499	4.900	PASS
DC_5A_n2A	15	5	DFT-64QAM	M	Outer_Full	4.518	4.930	PASS
DC_5A_n2A	15	5	DFT-256QAM	M	Outer_Full	4.505	5.210	PASS
DC_5A_n2A	15	5	CP-QPSK	M	Outer_Full	4.495	4.960	PASS
DC_5A_n2A	15	5	CP-16QAM	M	Outer_Full	4.499	4.940	PASS
DC_5A_n2A	15	5	CP-64QAM	M	Outer_Full	4.501	4.970	PASS
DC_5A_n2A	15	5	CP-256QAM	M	Outer_Full	4.492	4.980	PASS
DC_5A_n2A	15	10	DFT-QPSK	M	Outer_Full	8.911	9.380	PASS
DC_5A_n2A	15	10	DFT-PI2BPSK	M	Outer_Full	8.952	9.460	PASS
DC_5A_n2A	15	10	DFT-16QAM	M	Outer_Full	8.917	9.420	PASS
DC_5A_n2A	15	10	DFT-64QAM	M	Outer_Full	8.936	9.440	PASS
DC_5A_n2A	15	10	DFT-256QAM	M	Outer_Full	8.921	9.420	PASS
DC_5A_n2A	15	10	CP-QPSK	M	Outer_Full	9.285	9.800	PASS
DC_5A_n2A	15	10	CP-16QAM	M	Outer_Full	9.299	9.840	PASS
DC_5A_n2A	15	10	CP-64QAM	M	Outer_Full	9.298	9.760	PASS
DC_5A_n2A	15	10	CP-256QAM	M	Outer_Full	9.271	9.800	PASS
DC_5A_n2A	15	15	DFT-QPSK	M	Outer_Full	13.474	14.340	PASS
DC_5A_n2A	15	15	DFT-PI2BPSK	M	Outer_Full	13.492	14.370	PASS
DC_5A_n2A	15	15	DFT-16QAM	M	Outer_Full	13.463	14.340	PASS
DC_5A_n2A	15	15	DFT-64QAM	M	Outer_Full	13.497	14.340	PASS
DC_5A_n2A	15	15	DFT-256QAM	M	Outer_Full	13.471	14.280	PASS
DC_5A_n2A	15	15	CP-QPSK	M	Outer_Full	13.468	14.34	PASS
DC_5A_n2A	15	15	CP-16QAM	M	Outer_Full	14.193	15.090	PASS
DC_5A_n2A	15	15	CP-64QAM	M	Outer_Full	14.188	15.090	PASS
DC_5A_n2A	15	15	CP-256QAM	M	Outer_Full	14.174	15.030	PASS
DC_5A_n2A	15	20	DFT-QPSK	M	Outer_Full	17.895	18.960	PASS
DC_5A_n2A	15	20	DFT-PI2BPSK	M	Outer_Full	17.953	18.920	PASS
DC_5A_n2A	15	20	DFT-16QAM	M	Outer_Full	17.903	18.840	PASS
DC_5A_n2A	15	20	DFT-64QAM	M	Outer_Full	17.94	18.920	PASS
DC_5A_n2A	15	20	DFT-256QAM	M	Outer_Full	17.902	18.880	PASS
DC_5A_n2A	15	20	CP-QPSK	M	Outer_Full	18.995	19.960	PASS

DC_5A_n2A	15	20	CP-16QAM	M	Outer_Full	18.966	19.960	PASS
DC_5A_n2A	15	20	CP-64QAM	M	Outer_Full	19.013	19.920	PASS
DC_5A_n2A	15	20	CP-256QAM	M	Outer_Full	18.961	20.000	PASS

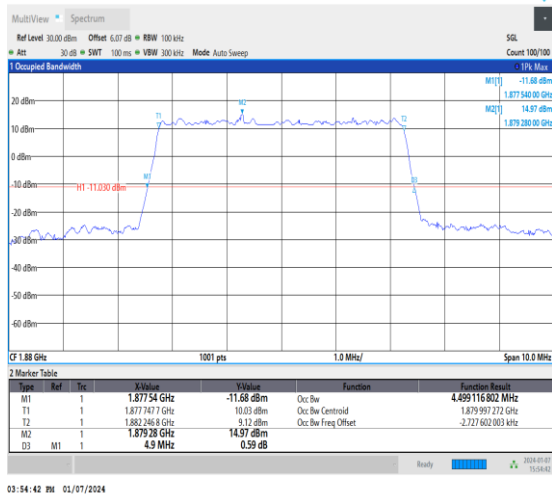
Test Graphs



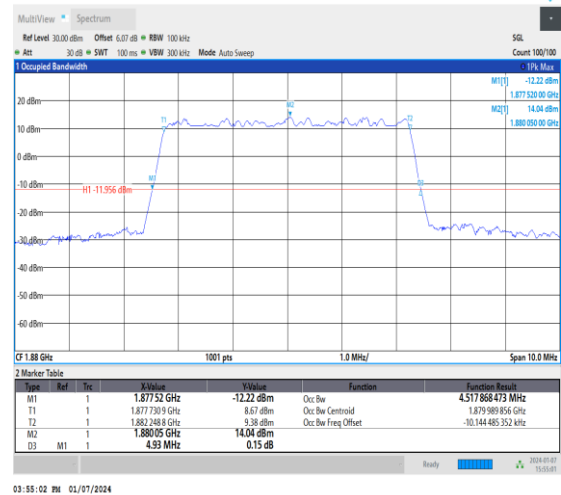
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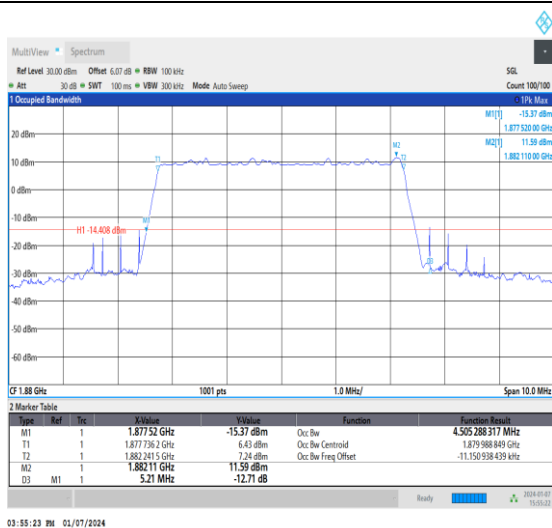
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 5@0-Ant1-4.506-4.950-≤5-PASS



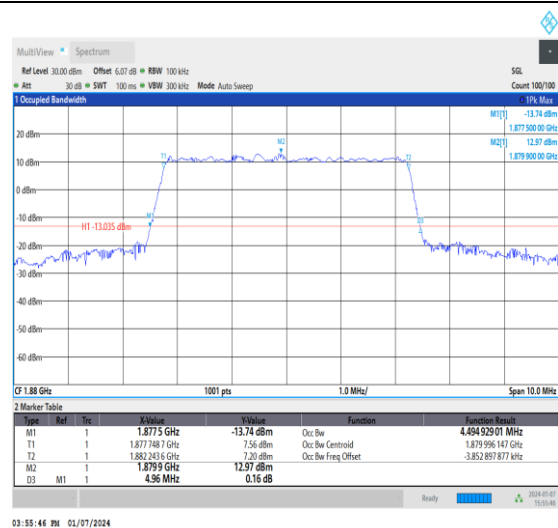
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 @0-Ant1-4.499-4.900-≤5-PASS



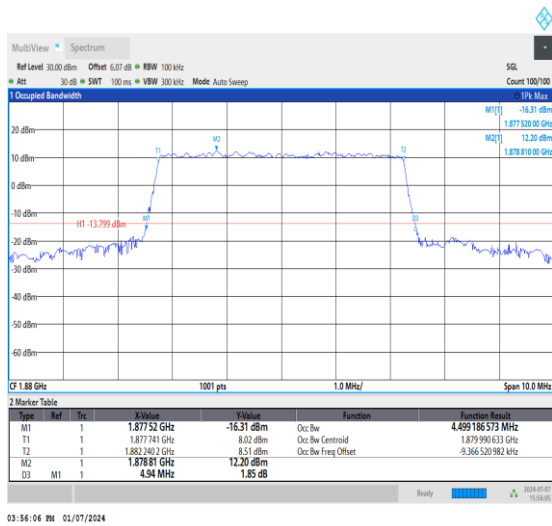
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 @0-Ant1-4.518-4.930-≤5-PASS



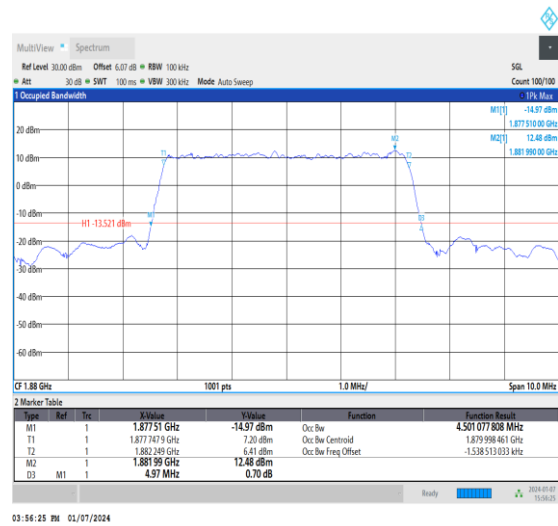
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5@0-Ant1-4.505-5.210-≤5-PASS



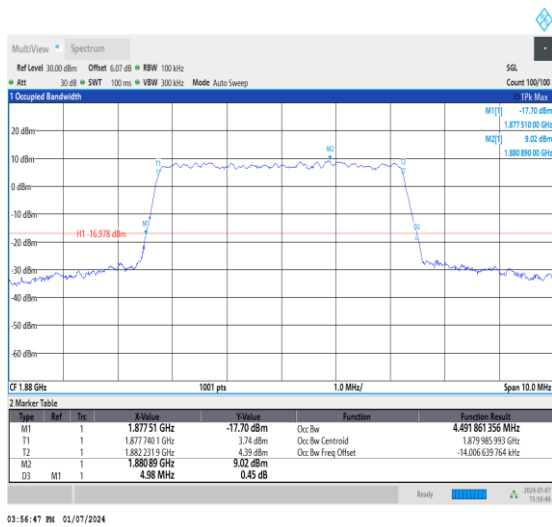
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0-Ant1-4.495-4.960-≤5-PASS



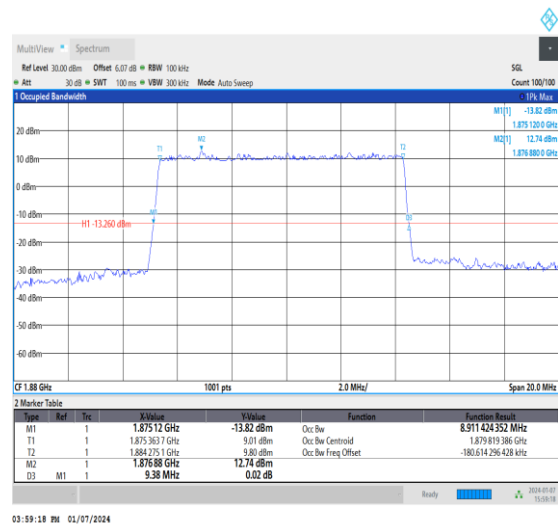
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@0-Ant1-4.499-4.940-≤5-PASS



1-DC_5A_n2A-15-5-M-8-CP-64QAM-Outet_Full-25
@0-Ant1-4.501-4.970-≤5-PASS

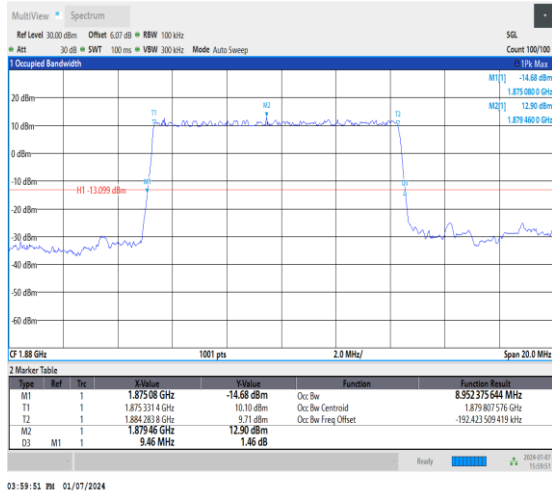


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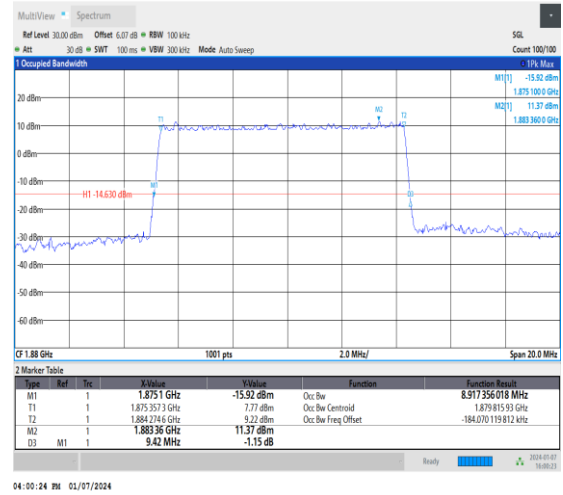


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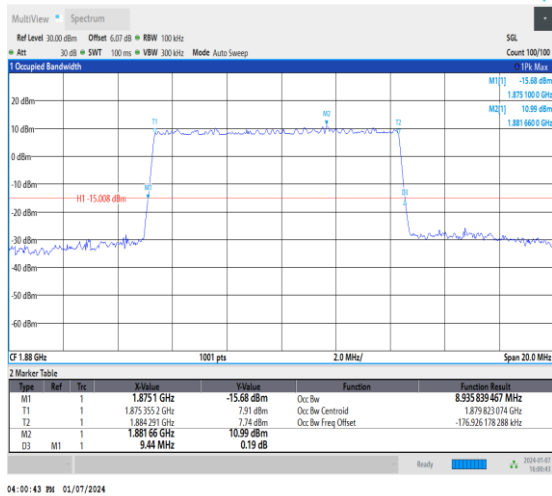
@0-Ant1-4.492-4.980-≤5-PASS



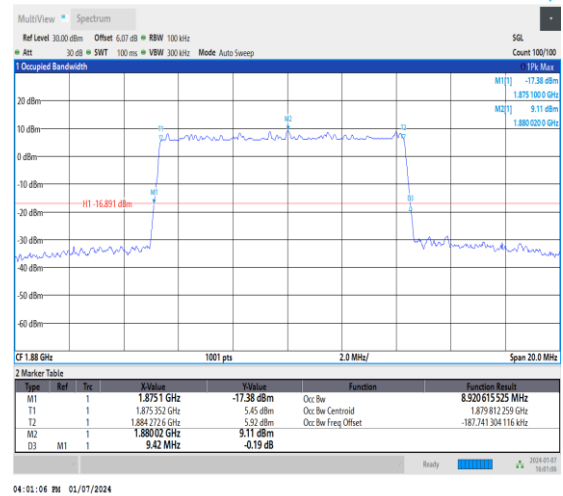
@0-Ant1-8.911-9.380-≤10-PASS



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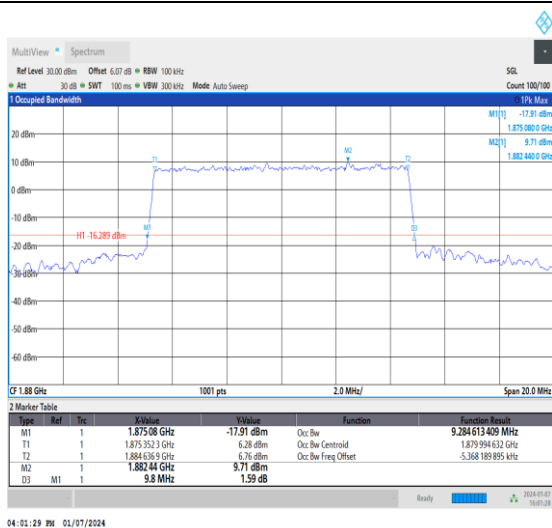


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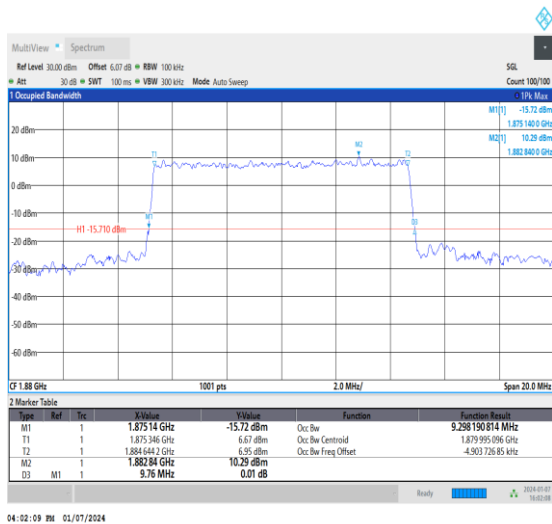
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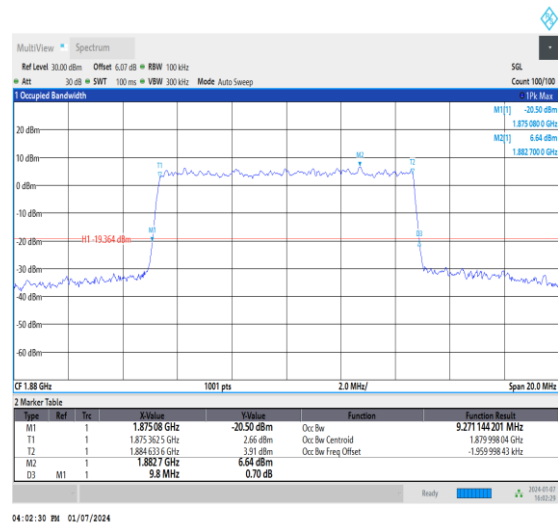
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@0-Ant1-9.285-9.800-≤10-PASS



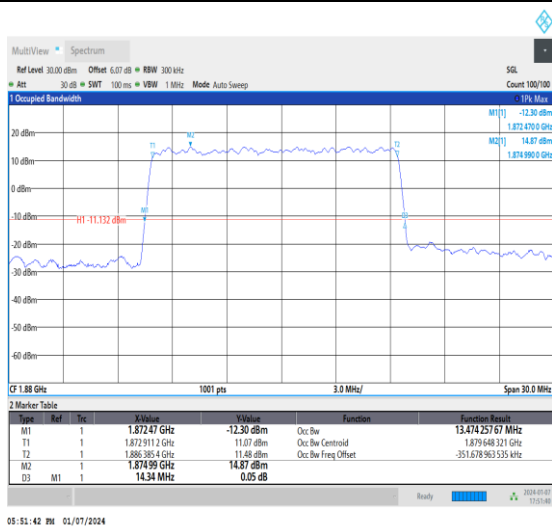
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@0-Ant1-9.299-9.840-≤10-PASS



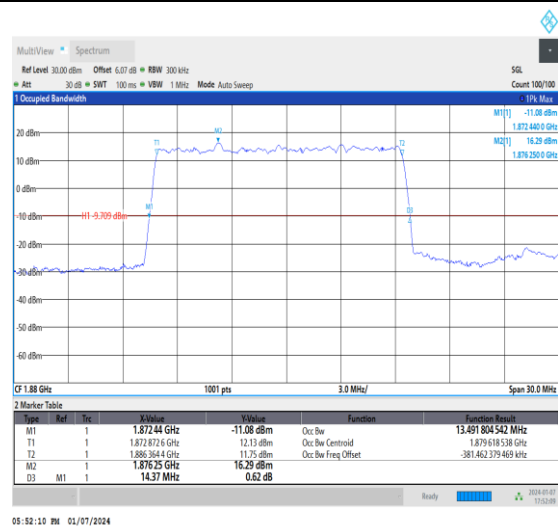
1-DC_5A_n2A-15-10-M-8-CP-64QAM-Outet_Full-52
@0-Ant1-9.298-9.760-≤10-PASS



1-DC_5A_n2A-15-10-M-9-CP-256QAM-Outet_Full-52
2@0-Ant1-9.271-9.800-≤10-PASS

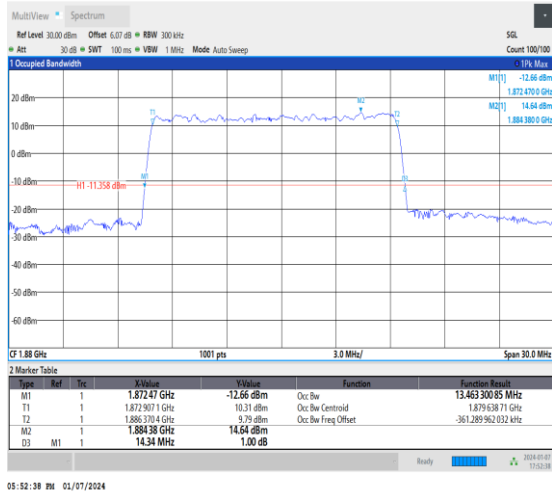


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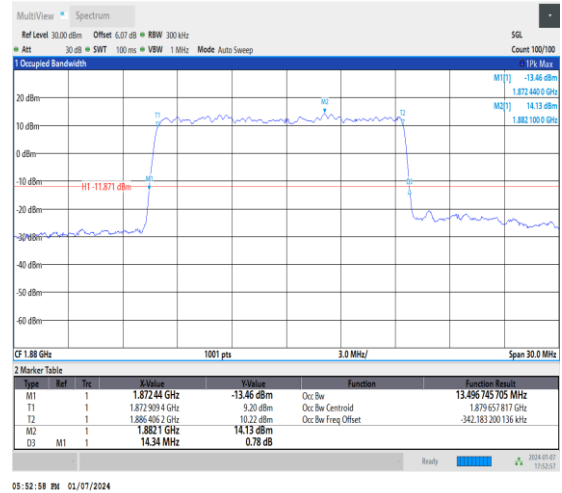


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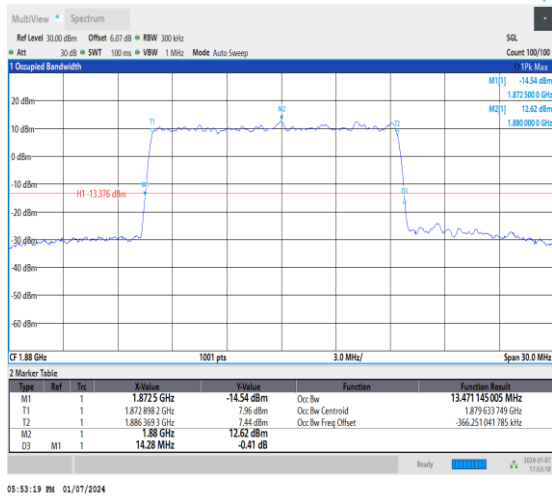
@0-Ant1-13.474-14.340≤15-PASS



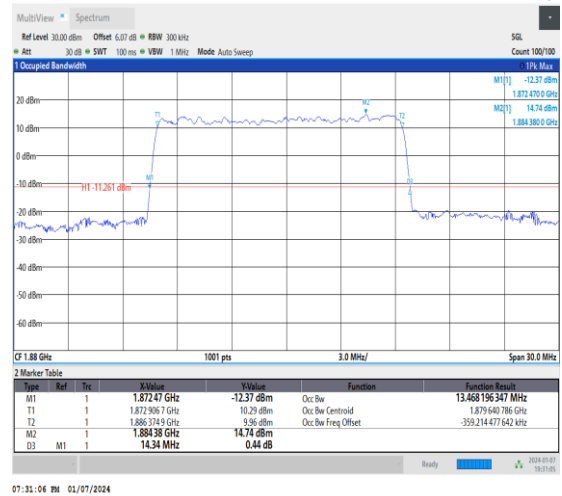
75@0-Ant1-13.492-14.370≤15-PASS



1-DC_5A_n2A-15-15-M-3-DFT-16QAM-Outer_Full-7
5@0-Ant1-13.463-14.340≤15-PASS

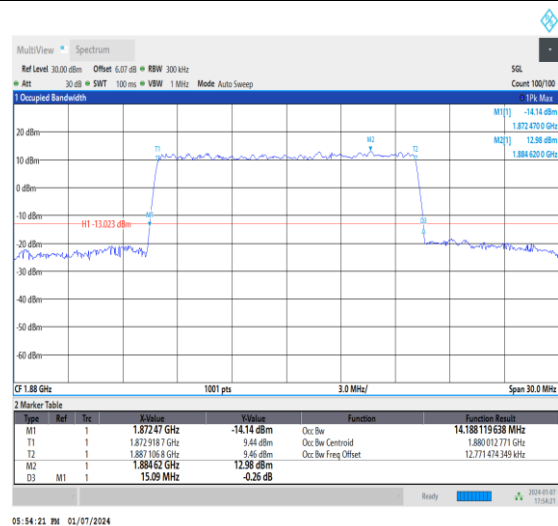
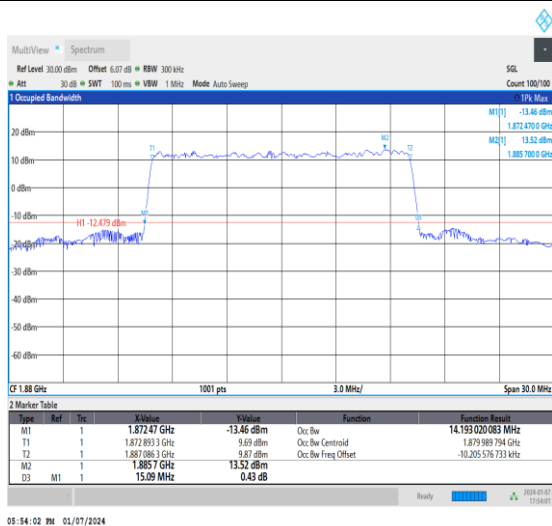


1-DC_5A_n2A-15-15-M-4-DFT-64QAM-Outer_Full-7
5@0-Ant1-13.497-14.340≤15-PASS



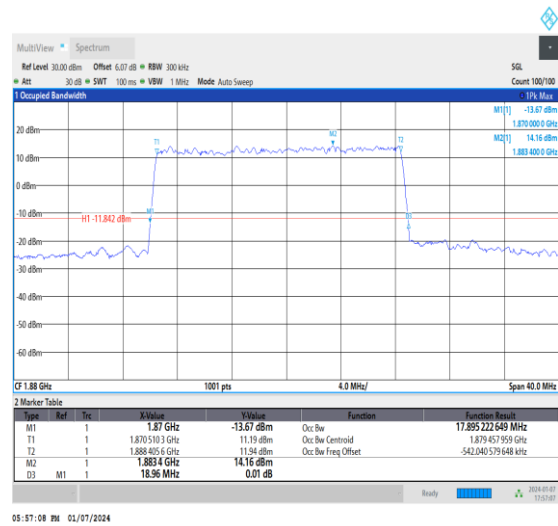
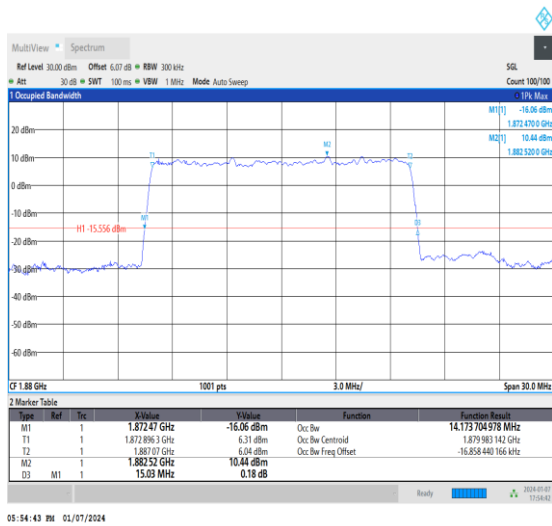
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1-DC_5A_n2A-15-15-M-6-CP-QPSK-Outer_Full-79
@0-Ant1-13.468-14.34≤15-PASS



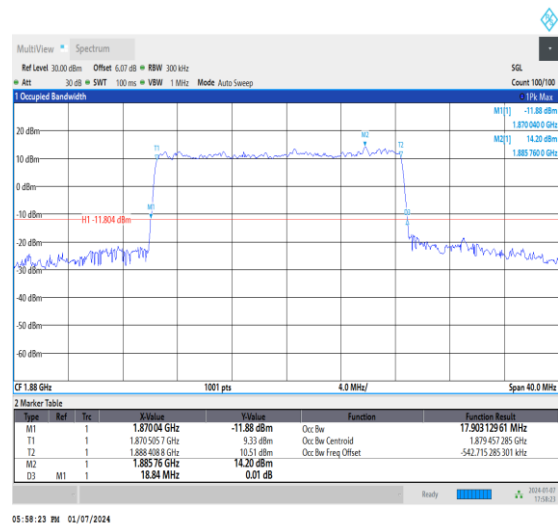
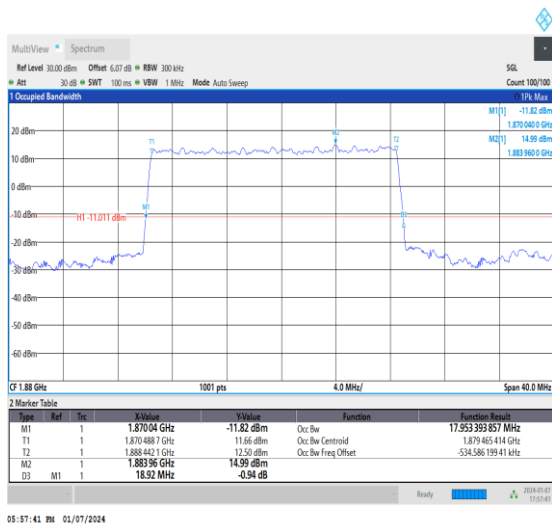
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@0-Ant1-14.188-15.090-≤15-PASS



1-DC_5A_n2A-15-15-M-9-CP-256QAM-Outet_Full-7
9@0-Ant1-14.174-15.030-≤15-PASS

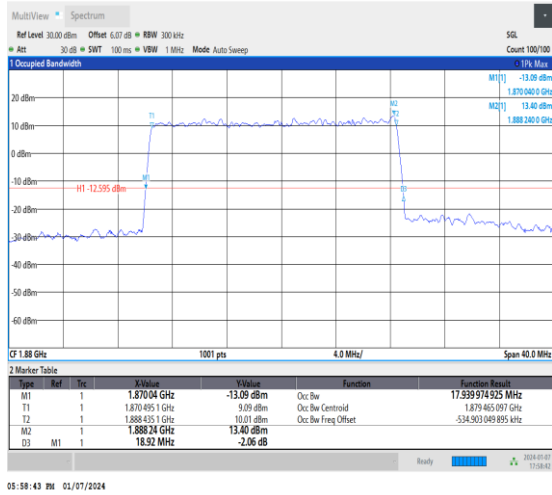
1-DC_5A_n2A-15-20-M-1-DFT-QPSK-Outet_Full-10
0@0-Ant1-17.895-18.960-≤20-PASS



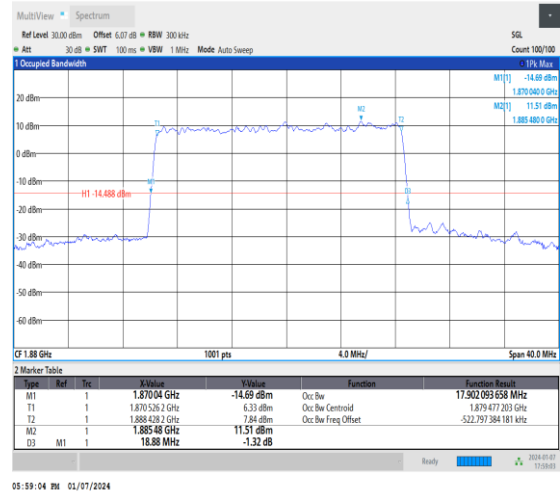
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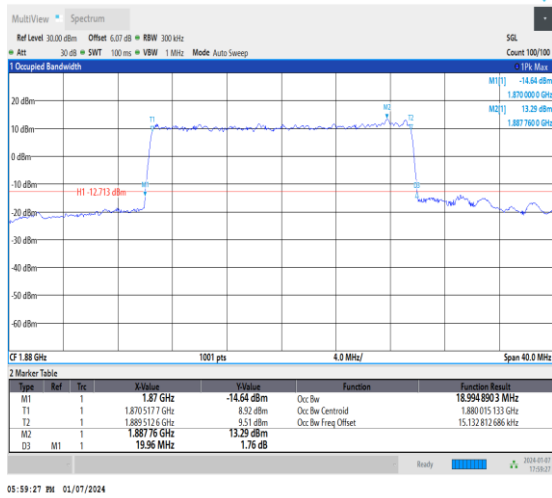
100@0-Ant1-17.953-18.920-≤20-PASS



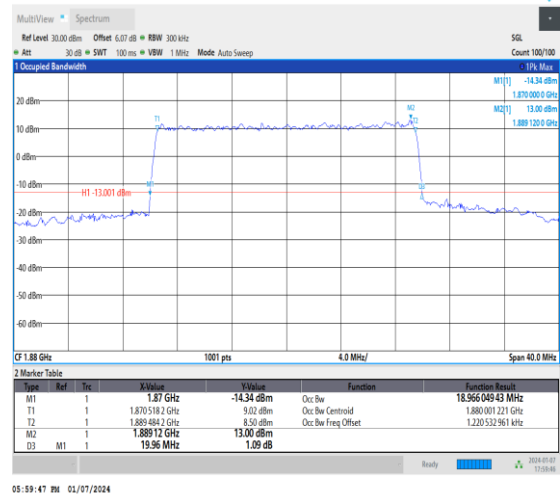
00@0-Ant1-17.903-18.840-≤20-PASS



1-DC_5A_n2A-15-20-M-4-DFT-64QAM-Outer_Full-1
00@0-Ant1-17.94-18.920-≤20-PASS



1-DC_5A_n2A-15-20-M-5-DFT-256QAM-Outer_Full-
100@0-Ant1-17.902-18.880-≤20-PASS

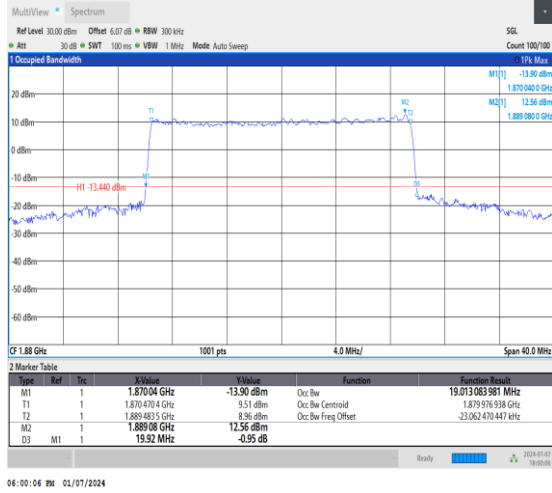


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@0-Ant1-18.995-19.960-≤20-PASS

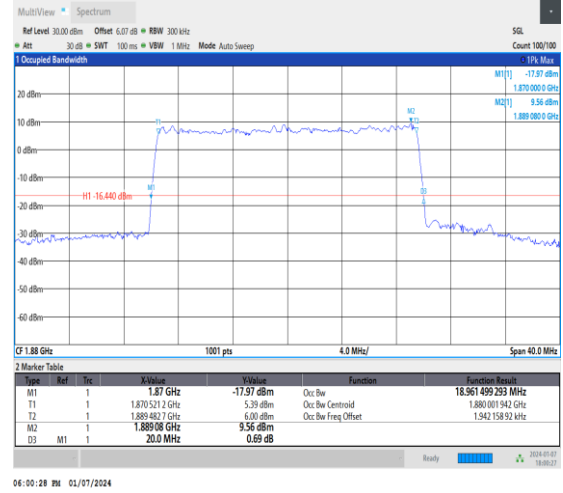


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6@0-Ant1-18.966-19.960-≤20-PASS





1-DC_5A_n2A-15-20-M-8-CP-64QAM-Outer_Full-10
6@0-Ant1-19.013-19.920-≤20-PASS



1-DC_5A_n2A-15-20-M-9-CP-256QAM-Outer_Full-1
06@0-Ant1-18.961-20.000-≤20-PASS

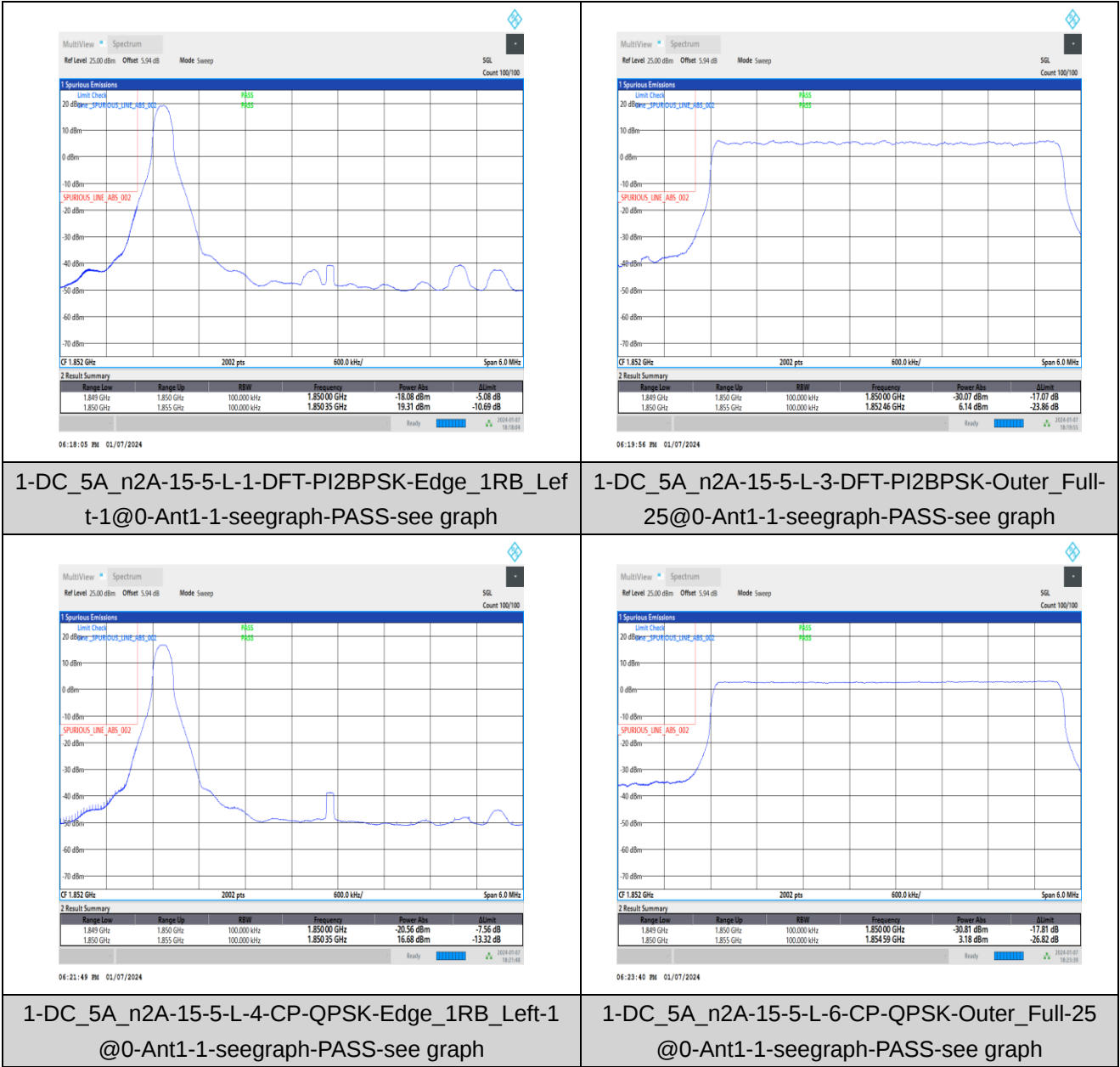


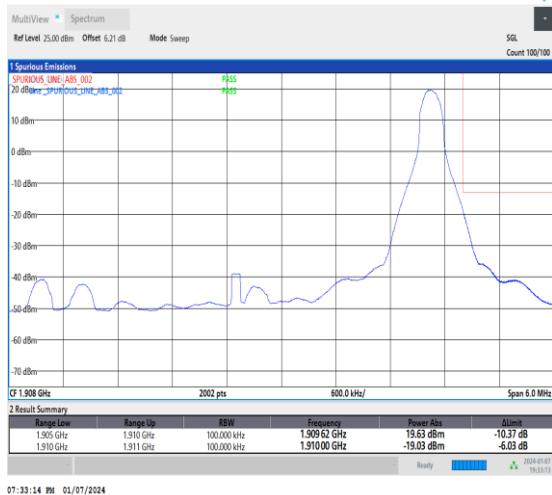
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Band Edge for SA

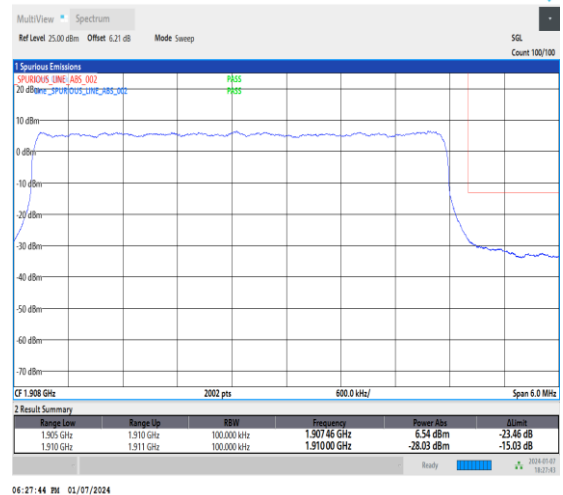
Test Graphs





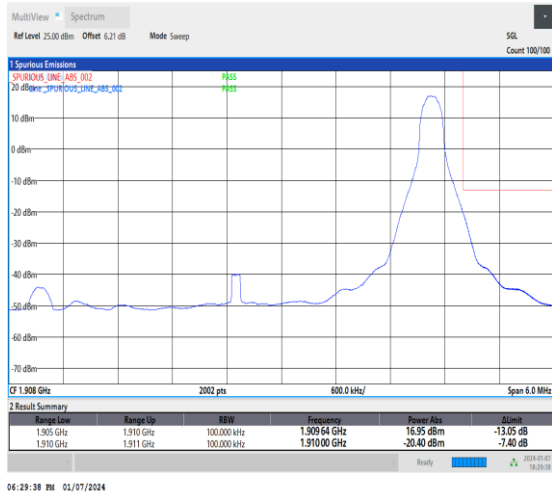
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1-DC_5A_n2A-15-5-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@24-Ant1-1-seegraph-PASS-see graph



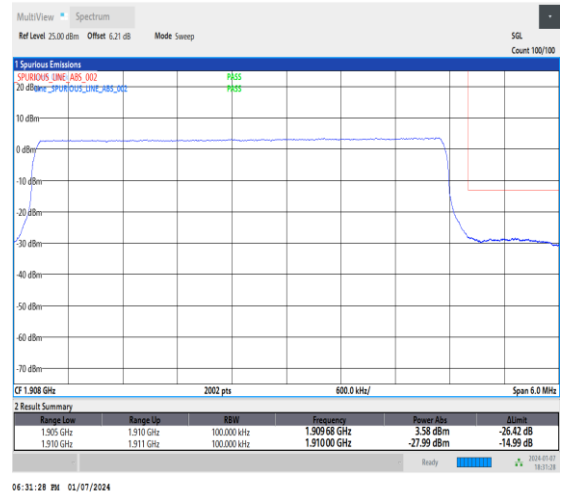
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1-DC_5A_n2A-15-5-H-3-DFT-PI2BPSK-Outer_Full-25@0-Ant1-1-seegraph-PASS-see graph



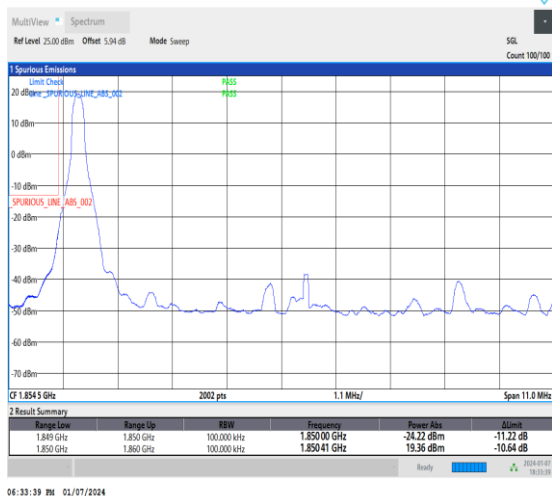
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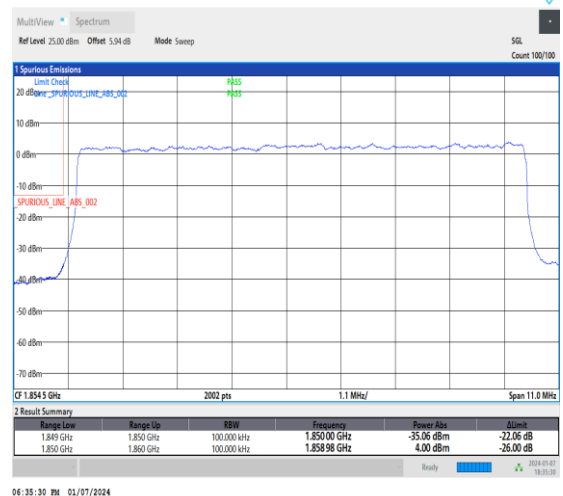
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04:33:39 PM 01/07/2024

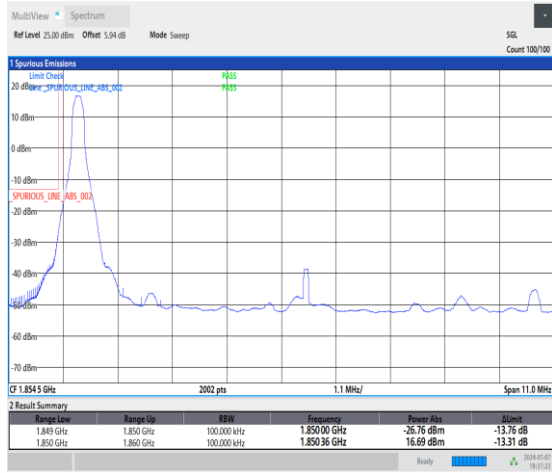
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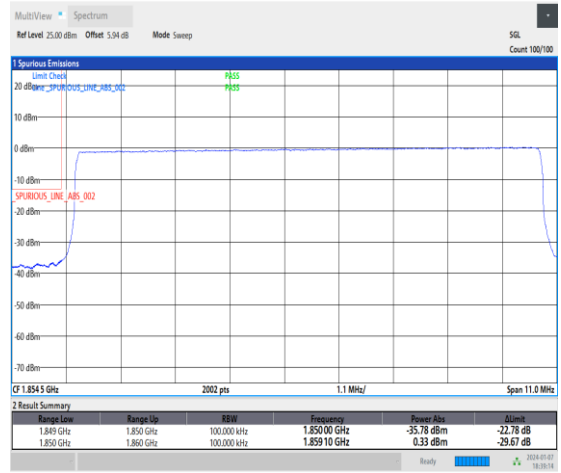
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eft-1@0-Ant1-1-seegraph-PASS-see graph



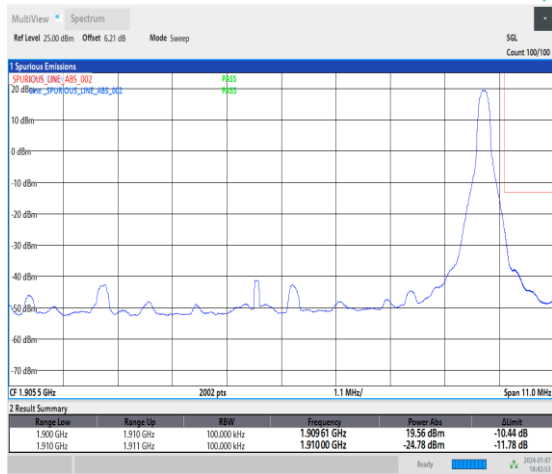
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I-50@0-Ant1-1-seegraph-PASS-see graph



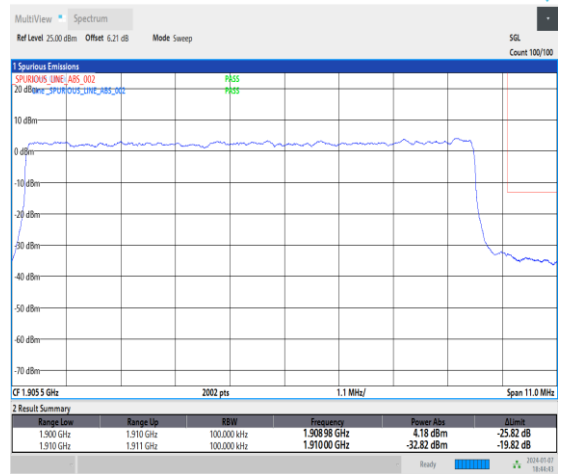
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1-DC_5A_n2A-15-10-L-4-CP-QPSK-Edge_1RB_Left-1
@0-Ant1-1-seegraph-PASS-see graph



06:42:53 PM 01/07/2024

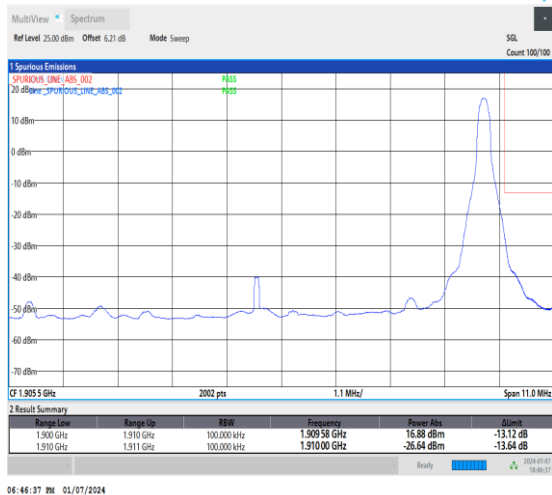
1-DC_5A_n2A-15-10-L-6-CP-QPSK-Outer_Full-52
@0-Ant1-1-seegraph-PASS-see graph



06:44:44 PM 01/07/2024

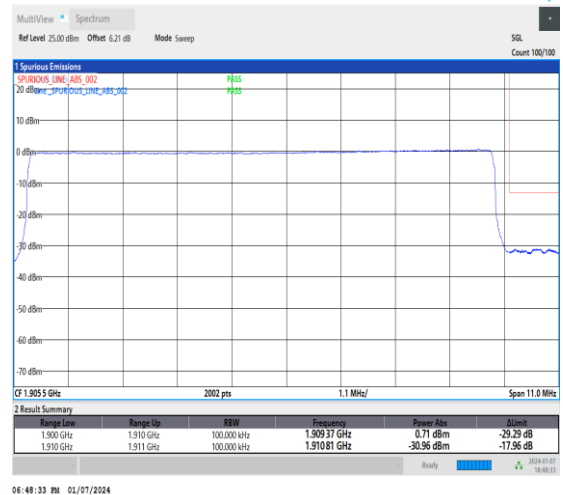
1-DC_5A_n2A-15-10-H-2-DFT-PI2BPSK-Edge_1RB_
Right-1@51-Ant1-1-seegraph-PASS-see graph

1-DC_5A_n2A-15-10-H-3-DFT-PI2BPSK-Outer_Fu
I-50@0-Ant1-1-seegraph-PASS-see graph



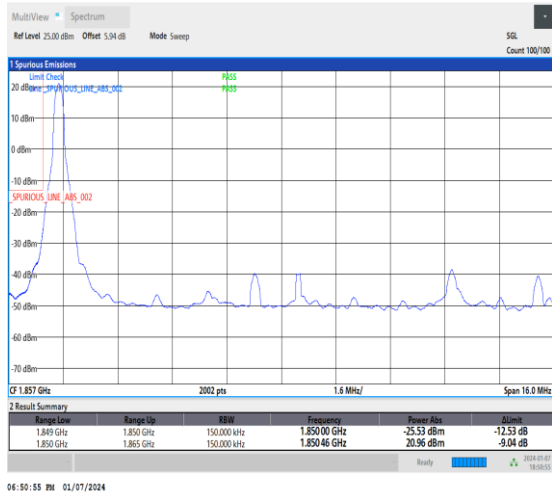
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1-DC_5A_n2A-15-10-H-5-CP-QPSK-Edge_1RB_Right
-1@51-Ant1-1-seegraph-PASS-see graph



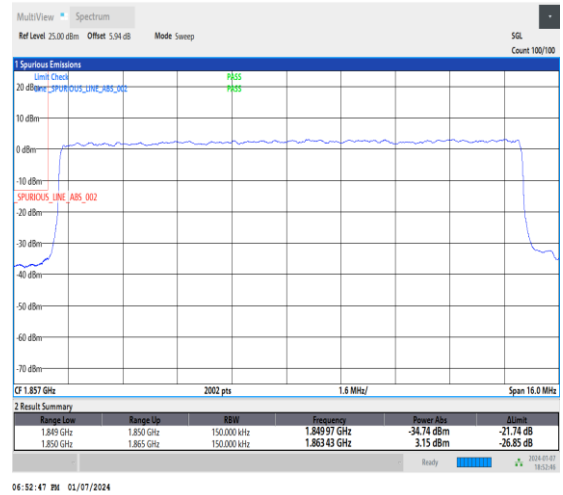
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1-DC_5A_n2A-15-10-H-6-CP-QPSK-Outer_Full-52
@0-Ant1-1-seegraph-PASS-see graph



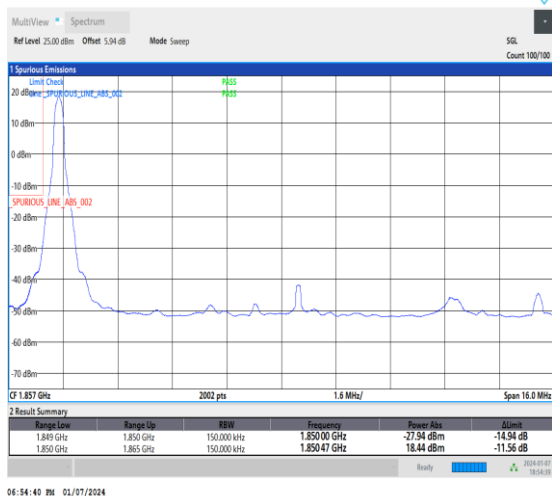
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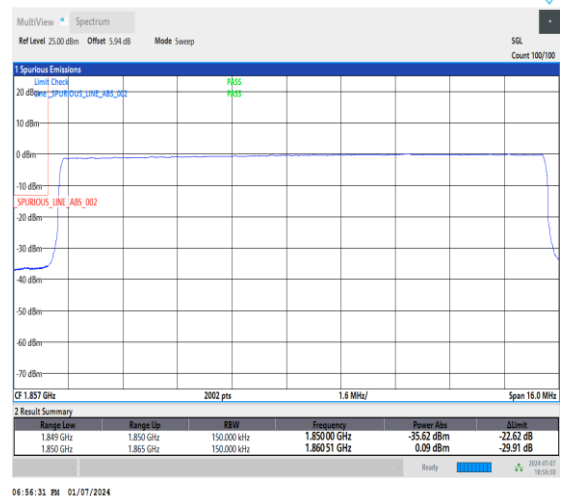
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l-75@0-Ant1-1-seegraph-PASS-see graph



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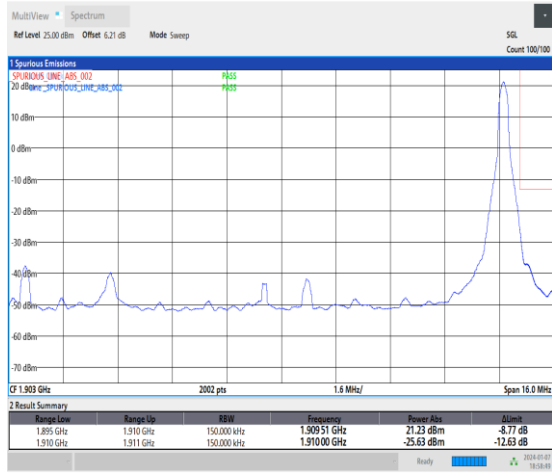
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06:56:31 PM 01/07/2024

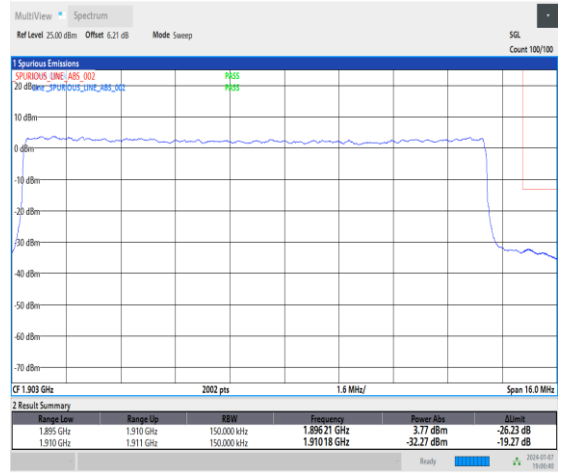
1-DC_5A_n2A-15-15-L-6-CP-QPSK-Outer_Full-79

@0-Ant1-1-seegraph-PASS-see graph



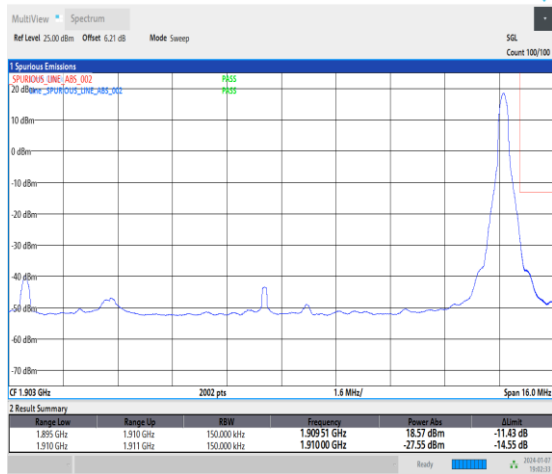
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@0-Ant1-1-seegraph-PASS-see graph



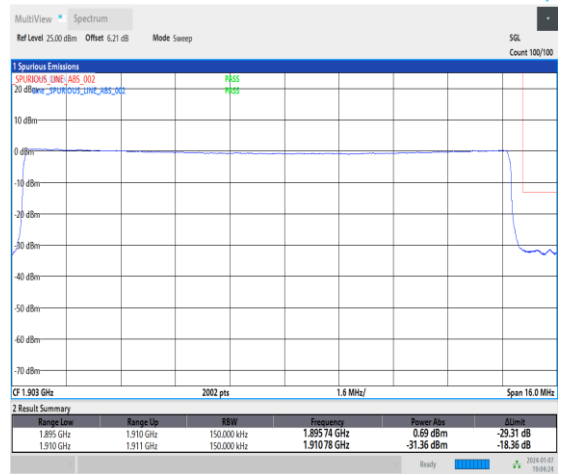
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1-DC_5A_n2A-15-15-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@78-Ant1-1-seegraph-PASS-see graph



07:02:34 PM 01/07/2024

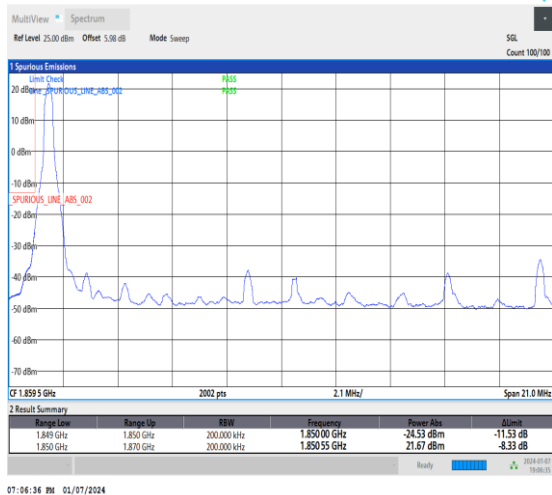
1-DC_5A_n2A-15-15-H-3-DFT-PI2BPSK-Outer_Full-75@0-Ant1-1-seegraph-PASS-see graph



07:04:25 PM 01/07/2024

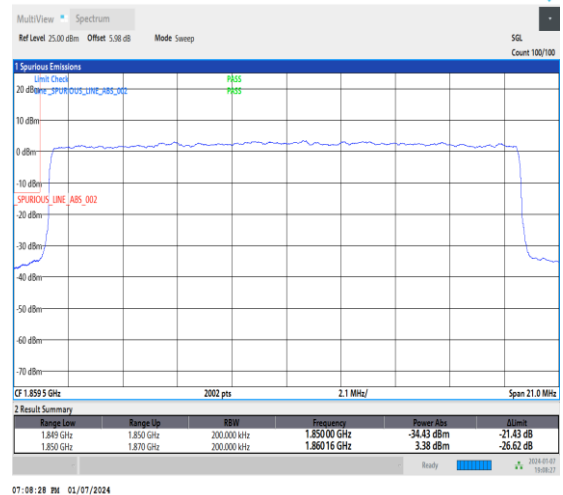
1-DC_5A_n2A-15-15-H-5-CP-QPSK-Edge_1RB_Right-1@78-Ant1-1-seegraph-PASS-see graph

1-DC_5A_n2A-15-15-H-6-CP-QPSK-Outer_Full-79@0-Ant1-1-seegraph-PASS-see graph



07:06:36 PM 01/07/2024

1-DC_5A_n2A-15-20-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1-seegraph-PASS-see graph



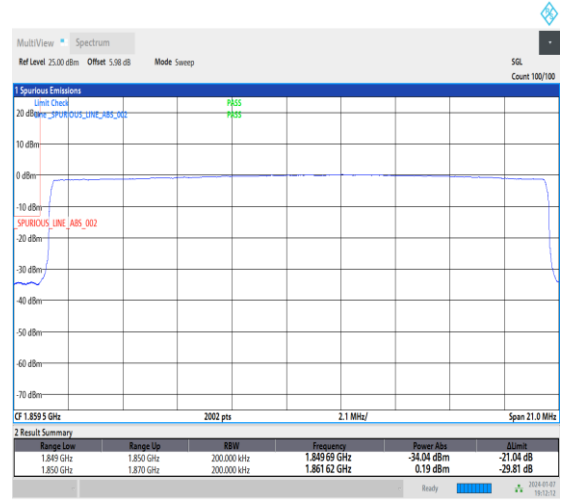
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1-DC_5A_n2A-15-20-L-3-DFT-PI2BPSK-Outer_Full-100@0-Ant1-1-seegraph-PASS-see graph



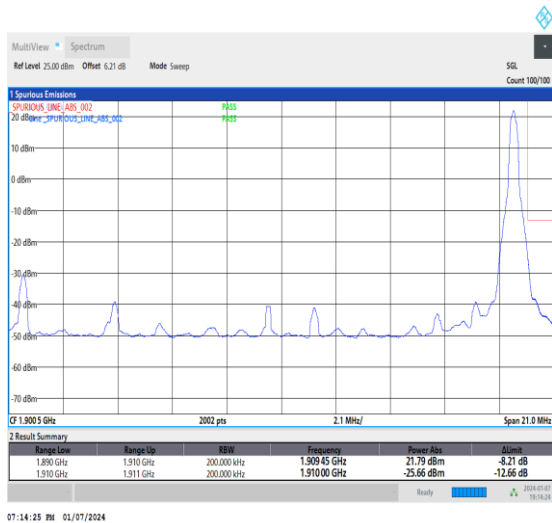
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1-DC_5A_n2A-15-20-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1-seegraph-PASS-see graph



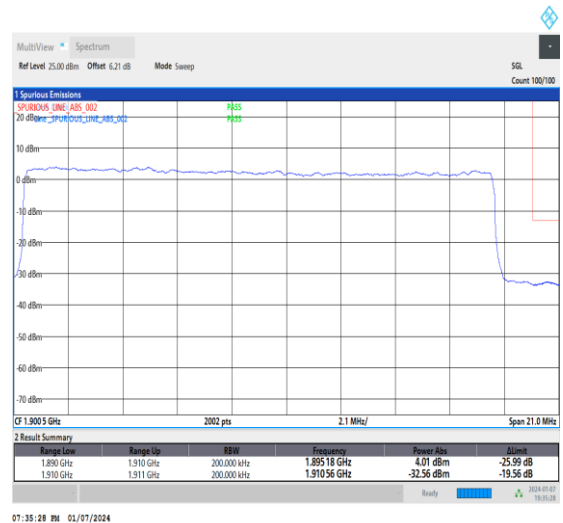
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1-DC_5A_n2A-15-20-L-6-CP-QPSK-Outer_Full-106@0-Ant1-1-seegraph-PASS-see graph



07:14:25 PM 01/07/2024

1-DC_5A_n2A-15-20-H-2-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1-seegraph-PASS-see graph



07:35:28 PM 01/07/2024

1-DC_5A_n2A-15-20-H-3-DFT-PI2BPSK-Outer_Full-106@0-Ant1-1-seegraph-PASS-see graph

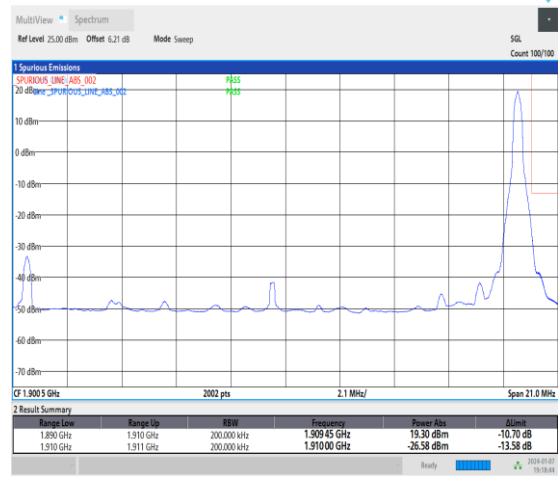


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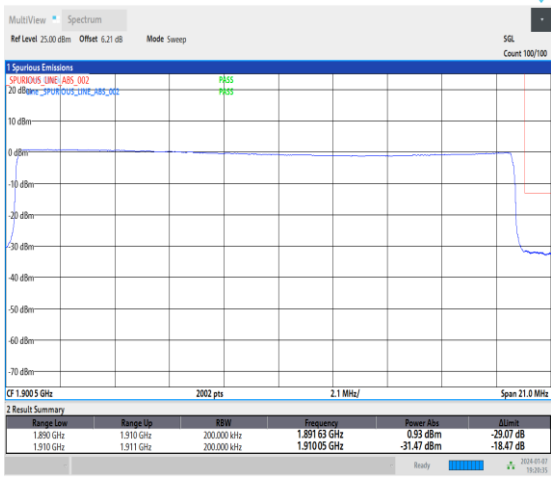
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Right-1@105-Ant1-1-seegraph-PASS-see graph



II-100@0-Ant1-1-seegraph-PASS-see graph

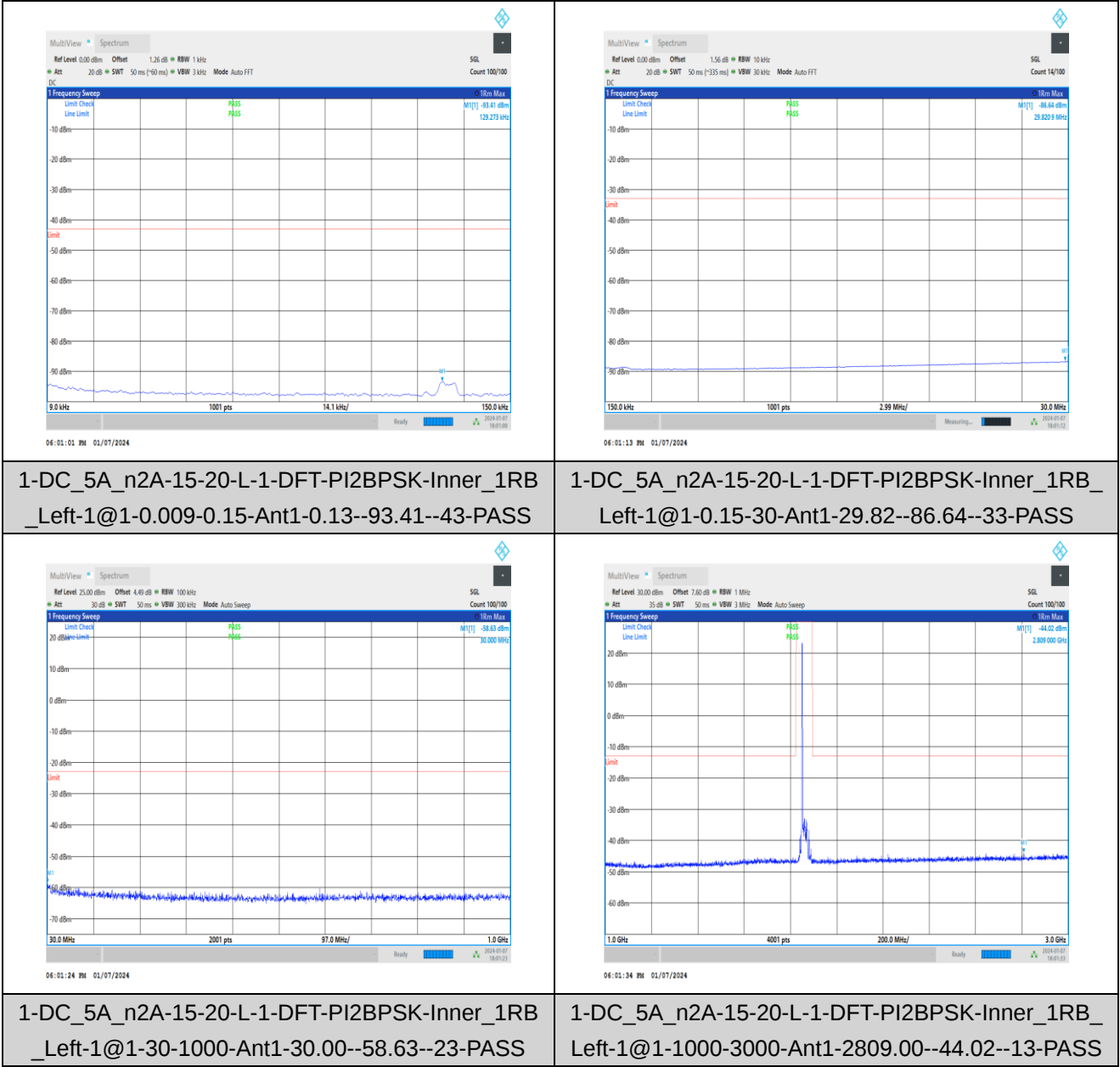


1-DC_5A_n2A-15-20-H-5-CP-QPSK-Edge_1RB_Right
-1@105-Ant1-1-seegraph-PASS-see graph

1-DC_5A_n2A-15-20-H-6-CP-QPSK-Outer_Full-10
6@0-Ant1-1-seegraph-PASS-see graph

Conducted Spurious Emission for SA

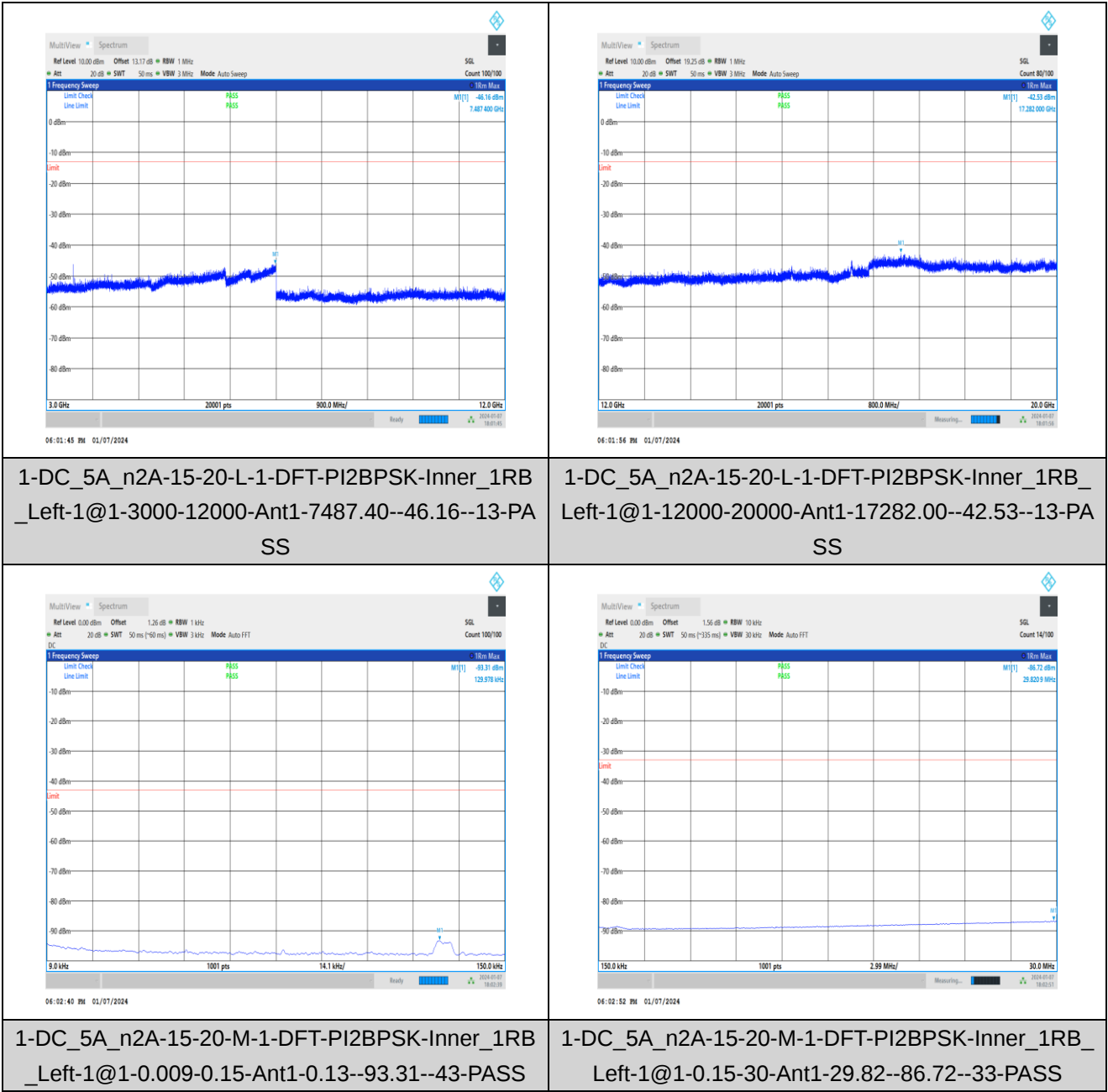
Test Graphs

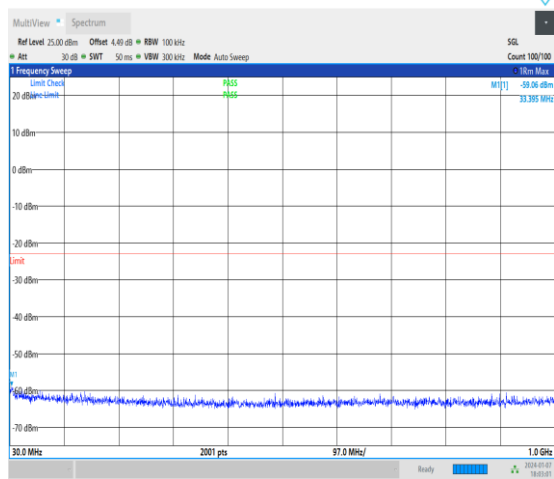




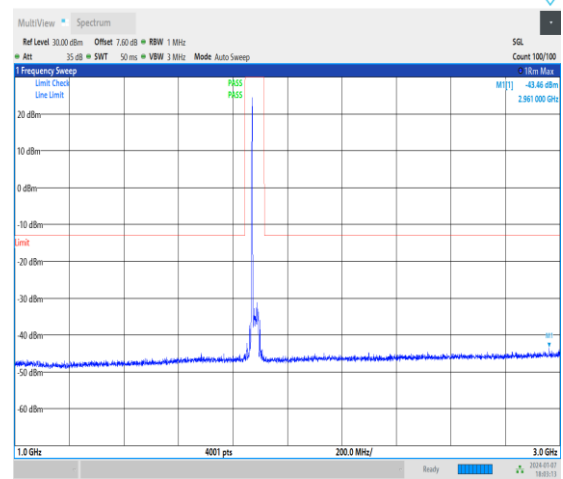
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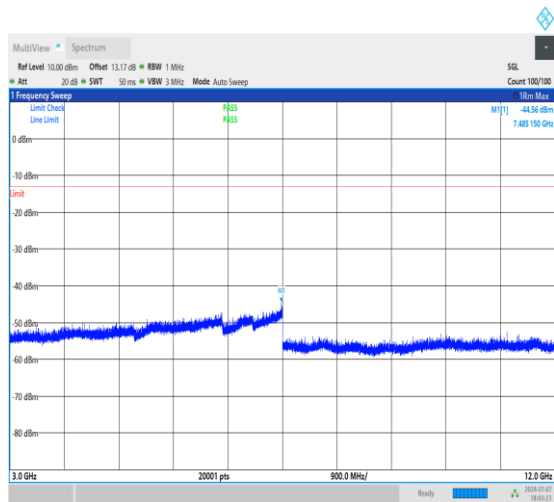
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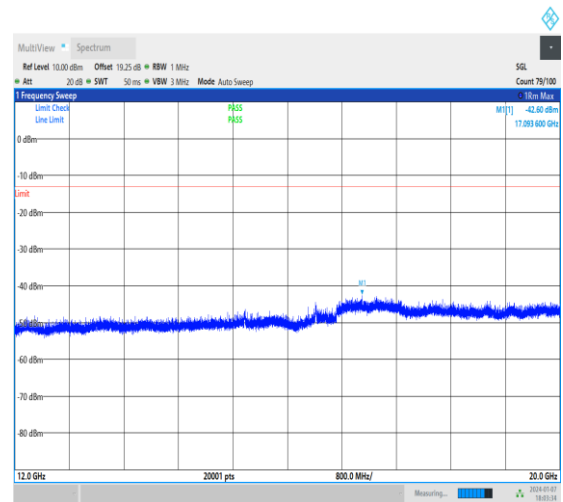
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1-DC_5A_n2A-15-20-M-1-DFT-PI2BPSK-Inner_1RB
_Left-1@1-30-1000-Ant1-33.40--59.06--23-PASS

1-DC_5A_n2A-15-20-M-1-DFT-PI2BPSK-Inner_1RB_
Left-1@1-1000-3000-Ant1-2961.00--43.46--13-PASS



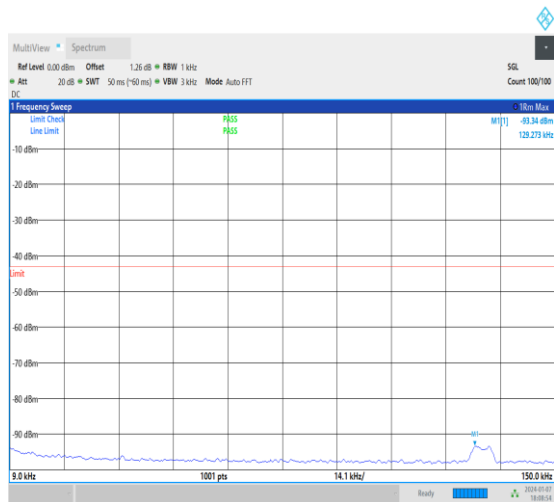
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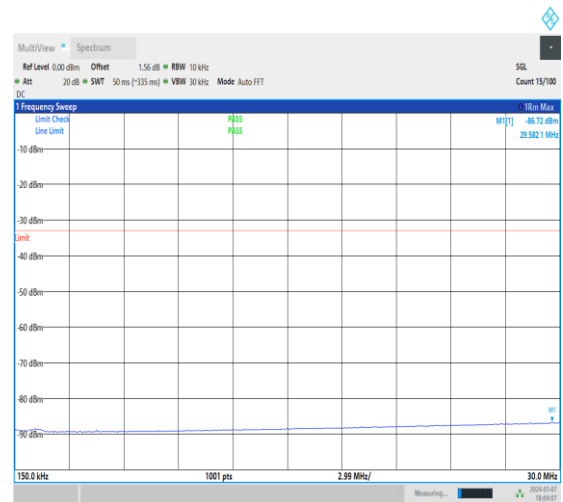
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1-DC_5A_n2A-15-20-M-1-DFT-PI2BPSK-Inner_1RB
_Left-1@1-3000-12000-Ant1-7485.15--44.56--13-PA
SS

1-DC_5A_n2A-15-20-M-1-DFT-PI2BPSK-Inner_1RB_
Left-1@1-12000-20000-Ant1-17093.60--42.60--13-PA
SS



06:09:55 PM 01/07/2024



06:09:07 PM 01/07/2024



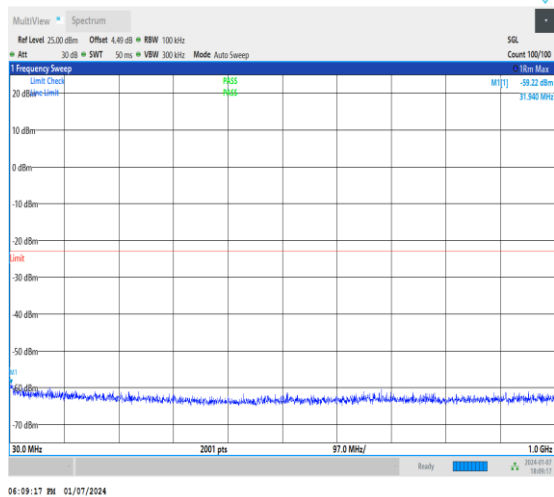
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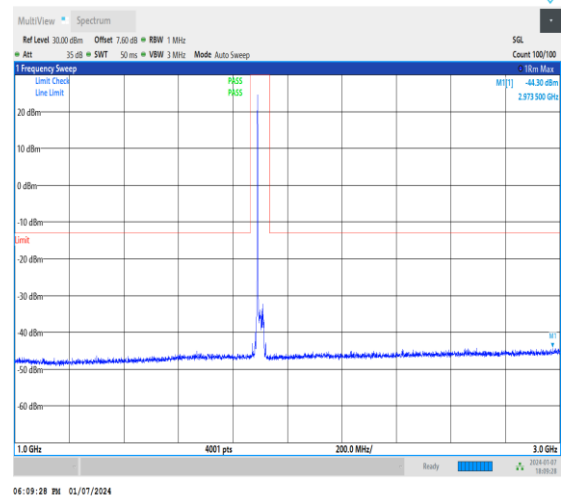
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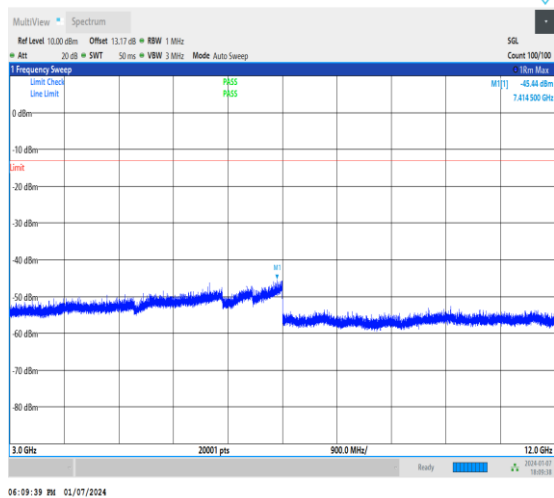
1-DC_5A_n2A-15-20-H-1-DFT-PI2BPSK-Inner_1RB
_Left-1@1-0.009-0.15-Ant1-0.13--93.34--43-PASS



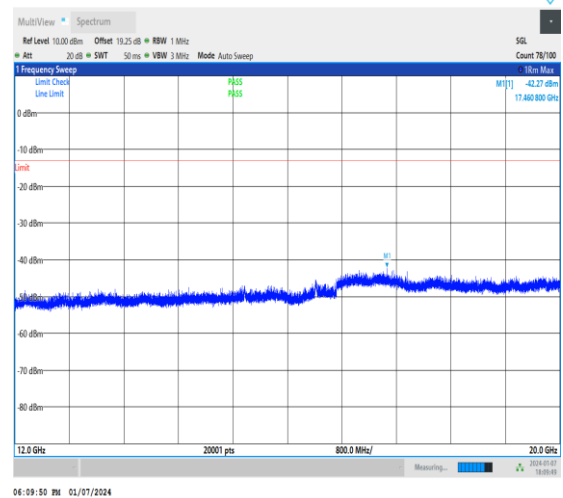
1-DC_5A_n2A-15-20-H-1-DFT-PI2BPSK-Inner_1RB_
Left-1@1-0.15-30-Ant1-29.58--86.72--33-PASS



1-DC_5A_n2A-15-20-H-1-DFT-PI2BPSK-Inner_1RB
_Left-1@1-30-1000-Ant1-31.94--59.22--23-PASS



1-DC_5A_n2A-15-20-H-1-DFT-PI2BPSK-Inner_1RB_
Left-1@1-1000-3000-Ant1-2973.50--44.30--13-PASS



1-DC_5A_n2A-15-20-H-1-DFT-PI2BPSK-Inner_1RB
_Left-1@1-3000-12000-Ant1-7414.50--45.44--13-PA
SS

1-DC_5A_n2A-15-20-H-1-DFT-PI2BPSK-Inner_1RB_
Left-1@1-12000-20000-Ant1-17460.80--42.27--13-PA
SS

Field Strength of Spurious Radiation

Test Band = NSA 5A_N2A_ TM1

Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3702.1800	40.60	-45.51	28.80	-71.37	-13.00	58.37	Horizontal
2	5553.2700	39.25	-45.15	32.61	-68.55	-13.00	55.55	Horizontal
3	7404.3600	38.18	-43.40	36.33	-64.14	-13.00	51.14	Horizontal
4	9255.4500	34.14	-40.23	36.79	-64.57	-13.00	51.57	Horizontal
5	11106.5400	30.03	-37.93	38.71	-64.45	-13.00	51.45	Horizontal
6	12957.6300	29.09	-37.24	39.09	-64.32	-13.00	51.32	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3702.1800	40.10	-45.51	28.80	-71.87	-13.00	58.87	Vertical
2	5553.2700	39.29	-45.15	32.61	-68.51	-13.00	55.51	Vertical
3	7404.3600	38.67	-43.40	36.33	-63.65	-13.00	50.65	Vertical
4	9255.4500	34.41	-40.23	36.79	-64.30	-13.00	51.30	Vertical
5	11106.5400	29.98	-37.93	38.71	-64.50	-13.00	51.50	Vertical
6	12957.6300	28.90	-37.24	39.09	-64.51	-13.00	51.51	Vertical



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Test Band = NSA 5A_N2A_ TM1

Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3742.1800	39.89	-45.68	28.84	-72.21	-13.00	59.21	Horizontal
2	5613.2700	39.13	-45.04	32.62	-68.55	-13.00	55.55	Horizontal
3	7484.3600	36.90	-43.18	36.56	-64.98	-13.00	51.98	Horizontal
4	9355.4500	33.19	-40.00	36.98	-65.10	-13.00	52.10	Horizontal
5	11226.5400	31.10	-37.40	38.72	-62.84	-13.00	49.84	Horizontal
6	13097.6300	27.53	-37.01	39.28	-65.46	-13.00	52.46	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3742.1800	40.62	-45.68	28.84	-71.48	-13.00	58.48	Vertical
2	5613.2700	39.27	-45.04	32.62	-68.41	-13.00	55.41	Vertical
3	7484.3600	36.84	-43.18	36.56	-65.04	-13.00	52.04	Vertical
4	9355.4500	33.76	-40.00	36.98	-64.53	-13.00	51.53	Vertical
5	11226.5400	30.42	-37.40	38.72	-63.52	-13.00	50.52	Vertical
6	13097.6300	27.90	-37.01	39.28	-65.09	-13.00	52.09	Vertical

Test Band = NSA 5A_N2A_ TM1

Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3782.1800	40.75	-45.85	28.88	-71.47	-13.00	58.47	Horizontal
2	5673.2700	39.11	-44.91	32.63	-68.42	-13.00	55.42	Horizontal
3	7564.3600	37.25	-43.00	36.63	-64.39	-13.00	51.39	Horizontal
4	9455.4500	33.50	-40.05	37.17	-64.65	-13.00	51.65	Horizontal
5	11346.5400	29.69	-37.40	38.73	-64.23	-13.00	51.23	Horizontal
6	13237.6300	27.08	-37.08	39.53	-65.73	-13.00	52.73	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3782.1800	40.93	-45.85	28.88	-71.29	-13.00	58.29	Vertical
2	5673.2700	39.12	-44.91	32.63	-68.41	-13.00	55.41	Vertical
3	7564.3600	37.10	-43.00	36.63	-64.54	-13.00	51.54	Vertical
4	9455.4500	33.71	-40.05	37.17	-64.44	-13.00	51.44	Vertical
5	11346.5400	29.66	-37.40	38.73	-64.26	-13.00	51.26	Vertical
6	13237.6300	28.18	-37.08	39.53	-64.63	-13.00	51.63	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
DC_5A_n2A	15	20	DFT-PI2BPSK	M	Outer_Full	VH	NT	-2.900000	-0.001543	PASS
DC_5A_n2A	15	20	DFT-PI2BPSK	M	Outer_Full	VN	NT	-3.700000	-0.001968	PASS
DC_5A_n2A	15	20	DFT-PI2BPSK	M	Outer_Full	VL	NT	-5.800000	-0.003085	PASS
DC_5A_n2A	15	20	CP-QPSK	M	Outer_Full	VH	NT	-4.000000	-0.002128	PASS
DC_5A_n2A	15	20	CP-QPSK	M	Outer_Full	VN	NT	-4.100000	-0.002181	PASS
DC_5A_n2A	15	20	CP-QPSK	M	Outer_Full	VL	NT	-2.200000	-0.001170	PASS

Frequency Error VS. Temperature

Temperature										
Band	SCS	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
DC_5A_n2A	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-30	-0.700000	-0.000372	PASS
DC_5A_n2A	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-20	-2.500000	-0.001330	PASS
DC_5A_n2A	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-10	-3.200000	-0.001702	PASS
DC_5A_n2A	15	20	DFT-PI2BPSK	M	Outer_Full	NV	0	-0.700000	-0.000372	PASS
DC_5A_n2A	15	20	DFT-PI2BPSK	M	Outer_Full	NV	10	-3.000000	-0.001596	PASS
DC_5A_n2A	15	20	DFT-PI2BPSK	M	Outer_Full	NV	20	-4.700000	-0.002500	PASS
DC_5A_n2A	15	20	DFT-PI2BPSK	M	Outer_Full	NV	30	-3.100000	-0.001649	PASS
DC_5A_n2A	15	20	DFT-PI2BPSK	M	Outer_Full	NV	40	-2.200000	-0.001170	PASS
DC_5A_n2A	15	20	DFT-PI2BPSK	M	Outer_Full	NV	50	0.600000	0.000319	PASS
DC_5A_n2A	15	20	CP-QPSK	M	Outer_Full	NV	-30	-5.400000	-0.002872	PASS
DC_5A_n2A	15	20	CP-QPSK	M	Outer_Full	NV	-20	-3.900000	-0.002074	PASS
DC_5A_n2A	15	20	CP-QPSK	M	Outer_Full	NV	-10	-4.200000	-0.002234	PASS
DC_5A_n2A	15	20	CP-QPSK	M	Outer_Full	NV	0	-4.100000	-0.002181	PASS
DC_5A_n2A	15	20	CP-QPSK	M	Outer_Full	NV	10	-3.600000	-0.001915	PASS
DC_5A_n2A	15	20	CP-QPSK	M	Outer_Full	NV	20	-2.500000	-0.001330	PASS
DC_5A_n2A	15	20	CP-QPSK	M	Outer_Full	NV	30	-2.400000	-0.001277	PASS
DC_5A_n2A	15	20	CP-QPSK	M	Outer_Full	NV	40	-4.900000	-0.002606	PASS
DC_5A_n2A	15	20	CP-QPSK	M	Outer_Full	NV	50	-2.200000	-0.001170	PASS

---End of Attachment---