

Report No.: SUCR240200003403

Rev.: 01

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Appendix B.25

NR Band n66



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Member of the SGS Group (SGS SA)

Effective (Isotropic) Radiated Power Output Data for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
N66	15	5	DFT-QPSK	L	Inner_1RB_Left	22.32	22.46	30.00	PASS
N66	15	5	DFT-16QAM	L	Inner_1RB_Left	21.53	21.67	30.00	PASS
N66	15	5	DFT-QPSK	M	Inner_1RB_Left	21.86	22	30.00	PASS
N66	15	5	DFT-16QAM	M	Inner_1RB_Left	21.13	21.27	30.00	PASS
N66	15	5	DFT-QPSK	H	Inner_1RB_Left	22.28	22.42	30.00	PASS
N66	15	5	DFT-16QAM	H	Inner_1RB_Left	21.52	21.66	30.00	PASS
N66	15	10	DFT-QPSK	L	Inner_1RB_Left	22.33	22.47	30.00	PASS
N66	15	10	DFT-16QAM	L	Inner_1RB_Left	21.55	21.69	30.00	PASS
N66	15	10	DFT-QPSK	M	Inner_1RB_Left	21.84	21.98	30.00	PASS
N66	15	10	DFT-16QAM	M	Inner_1RB_Left	21.11	21.25	30.00	PASS
N66	15	10	DFT-QPSK	H	Inner_1RB_Left	22.34	22.48	30.00	PASS
N66	15	10	DFT-16QAM	H	Inner_1RB_Left	21.57	21.71	30.00	PASS
N66	15	15	DFT-QPSK	L	Inner_1RB_Left	22.31	22.45	30.00	PASS
N66	15	15	DFT-16QAM	L	Inner_1RB_Left	21.50	21.64	30.00	PASS
N66	15	15	DFT-QPSK	M	Inner_1RB_Left	20.93	21.07	30.00	PASS
N66	15	15	DFT-16QAM	M	Inner_1RB_Left	21.10	21.24	30.00	PASS
N66	15	15	DFT-QPSK	H	Inner_1RB_Left	22.27	22.41	30.00	PASS
N66	15	15	DFT-16QAM	H	Inner_1RB_Left	21.51	21.65	30.00	PASS
N66	15	20	DFT-QPSK	L	Inner_1RB_Left	22.32	22.46	30.00	PASS
N66	15	20	DFT-16QAM	L	Inner_1RB_Left	21.55	21.69	30.00	PASS
N66	15	20	DFT-QPSK	M	Inner_1RB_Left	21.88	22.02	30.00	PASS
N66	15	20	DFT-16QAM	M	Inner_1RB_Left	21.10	21.24	30.00	PASS
N66	15	20	DFT-QPSK	H	Inner_1RB_Left	22.14	22.28	30.00	PASS
N66	15	20	DFT-16QAM	H	Inner_1RB_Left	21.41	21.55	30.00	PASS
N66	15	25	DFT-QPSK	L	Inner_1RB_Left	22.27	22.41	30.00	PASS
N66	15	25	DFT-16QAM	L	Inner_1RB_Left	21.41	21.55	30.00	PASS
N66	15	25	DFT-QPSK	M	Inner_1RB_Left	20.96	21.1	30.00	PASS
N66	15	25	DFT-16QAM	M	Inner_1RB_Left	21.10	21.24	30.00	PASS
N66	15	25	DFT-QPSK	H	Inner_1RB_Left	21.14	21.28	30.00	PASS
N66	15	25	DFT-16QAM	H	Inner_1RB_Left	20.23	20.37	30.00	PASS
N66	15	30	DFT-QPSK	L	Inner_1RB_Left	22.27	22.41	30.00	PASS



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N66	15	30	DFT-16QAM	L	Inner_1RB_Left	21.42	21.56	30.00	PASS
N66	15	30	DFT-QPSK	M	Inner_1RB_Left	21.02	21.16	30.00	PASS
N66	15	30	DFT-16QAM	M	Inner_1RB_Left	21.21	21.35	30.00	PASS
N66	15	30	DFT-QPSK	H	Inner_1RB_Left	21.92	22.06	30.00	PASS
N66	15	30	DFT-16QAM	H	Inner_1RB_Left	21.15	21.29	30.00	PASS
N66	15	40	DFT-PI2BPSK	L	Inner_1RB_Left	22.30	22.44	30.00	PASS
N66	15	40	DFT-PI2BPSK	L	Inner_1RB_Right	22.09	22.23	30.00	PASS
N66	15	40	DFT-PI2BPSK	L	Outer_Full	21.79	21.93	30.00	PASS
N66	15	40	DFT-QPSK	L	Inner_1RB_Left	22.29	22.43	30.00	PASS
N66	15	40	DFT-QPSK	L	Inner_1RB_Right	22.09	22.23	30.00	PASS
N66	15	40	DFT-QPSK	L	Outer_Full	21.24	21.38	30.00	PASS
N66	15	40	DFT-16QAM	L	Inner_1RB_Left	21.45	21.59	30.00	PASS
N66	15	40	DFT-16QAM	L	Inner_1RB_Right	21.28	21.42	30.00	PASS
N66	15	40	DFT-16QAM	L	Outer_Full	20.27	20.41	30.00	PASS
N66	15	40	DFT-64QAM	L	Inner_1RB_Left	20.01	20.15	30.00	PASS
N66	15	40	DFT-64QAM	L	Inner_1RB_Right	19.86	20	30.00	PASS
N66	15	40	DFT-64QAM	L	Outer_Full	19.73	19.87	30.00	PASS
N66	15	40	DFT-256QAM	L	Inner_1RB_Left	17.69	17.83	30.00	PASS
N66	15	40	DFT-256QAM	L	Inner_1RB_Right	17.54	17.68	30.00	PASS
N66	15	40	DFT-256QAM	L	Outer_Full	17.74	17.88	30.00	PASS
N66	15	40	DFT-PI2BPSK	M	Inner_1RB_Left	22.07	22.21	30.00	PASS
N66	15	40	DFT-PI2BPSK	M	Inner_1RB_Right	22.27	22.41	30.00	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	21.57	21.71	30.00	PASS
N66	15	40	DFT-QPSK	M	Inner_1RB_Left	22.07	22.21	30.00	PASS
N66	15	40	DFT-QPSK	M	Inner_1RB_Right	22.30	22.44	30.00	PASS
N66	15	40	DFT-QPSK	M	Outer_Full	21.07	21.21	30.00	PASS
N66	15	40	DFT-16QAM	M	Inner_1RB_Left	21.15	21.29	30.00	PASS
N66	15	40	DFT-16QAM	M	Inner_1RB_Right	21.47	21.61	30.00	PASS
N66	15	40	DFT-16QAM	M	Outer_Full	20.03	20.17	30.00	PASS
N66	15	40	DFT-64QAM	M	Inner_1RB_Left	19.73	19.87	30.00	PASS
N66	15	40	DFT-64QAM	M	Inner_1RB_Right	20.06	20.2	30.00	PASS
N66	15	40	DFT-64QAM	M	Outer_Full	19.55	19.69	30.00	PASS
N66	15	40	DFT-256QAM	M	Inner_1RB_Left	17.38	17.52	30.00	PASS
N66	15	40	DFT-256QAM	M	Inner_1RB_Right	17.74	17.88	30.00	PASS
N66	15	40	DFT-256QAM	M	Outer_Full	17.59	17.73	30.00	PASS
N66	15	40	DFT-PI2BPSK	H	Inner_1RB_Left	21.93	22.07	30.00	PASS
N66	15	40	DFT-PI2BPSK	H	Inner_1RB_Right	22.38	22.52	30.00	PASS



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N66	15	40	DFT-PI2BPSK	H	Outer_Full	21.70	21.84	30.00	PASS
N66	15	40	DFT-QPSK	H	Inner_1RB_Left	21.92	22.06	30.00	PASS
N66	15	40	DFT-QPSK	H	Inner_1RB_Right	22.38	22.52	30.00	PASS
N66	15	40	DFT-QPSK	H	Outer_Full	21.26	21.4	30.00	PASS
N66	15	40	DFT-16QAM	H	Inner_1RB_Left	21.11	21.25	30.00	PASS
N66	15	40	DFT-16QAM	H	Inner_1RB_Right	21.58	21.72	30.00	PASS
N66	15	40	DFT-16QAM	H	Outer_Full	20.22	20.36	30.00	PASS
N66	15	40	DFT-64QAM	H	Inner_1RB_Left	19.69	19.83	30.00	PASS
N66	15	40	DFT-64QAM	H	Inner_1RB_Right	20.19	20.33	30.00	PASS
N66	15	40	DFT-64QAM	H	Outer_Full	19.72	19.86	30.00	PASS
N66	15	40	DFT-256QAM	H	Inner_1RB_Left	17.35	17.49	30.00	PASS
N66	15	40	DFT-256QAM	H	Inner_1RB_Right	17.87	18.01	30.00	PASS
N66	15	40	DFT-256QAM	H	Outer_Full	17.78	17.92	30.00	PASS



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Peak-to-Average Ratio for SA

Peak-to-Average Ratio(CCDF)

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N66	15	40	DFT-256QAM	L	Outer_Full	6.71	PASS
N66	15	40	CP-256QAM	L	Outer_Full	6.74	PASS
N66	15	40	DFT-256QAM	M	Outer_Full	6.71	PASS
N66	15	40	CP-256QAM	M	Outer_Full	6.70	PASS
N66	15	40	DFT-256QAM	H	Outer_Full	6.67	PASS
N66	15	40	CP-256QAM	H	Outer_Full	6.69	PASS



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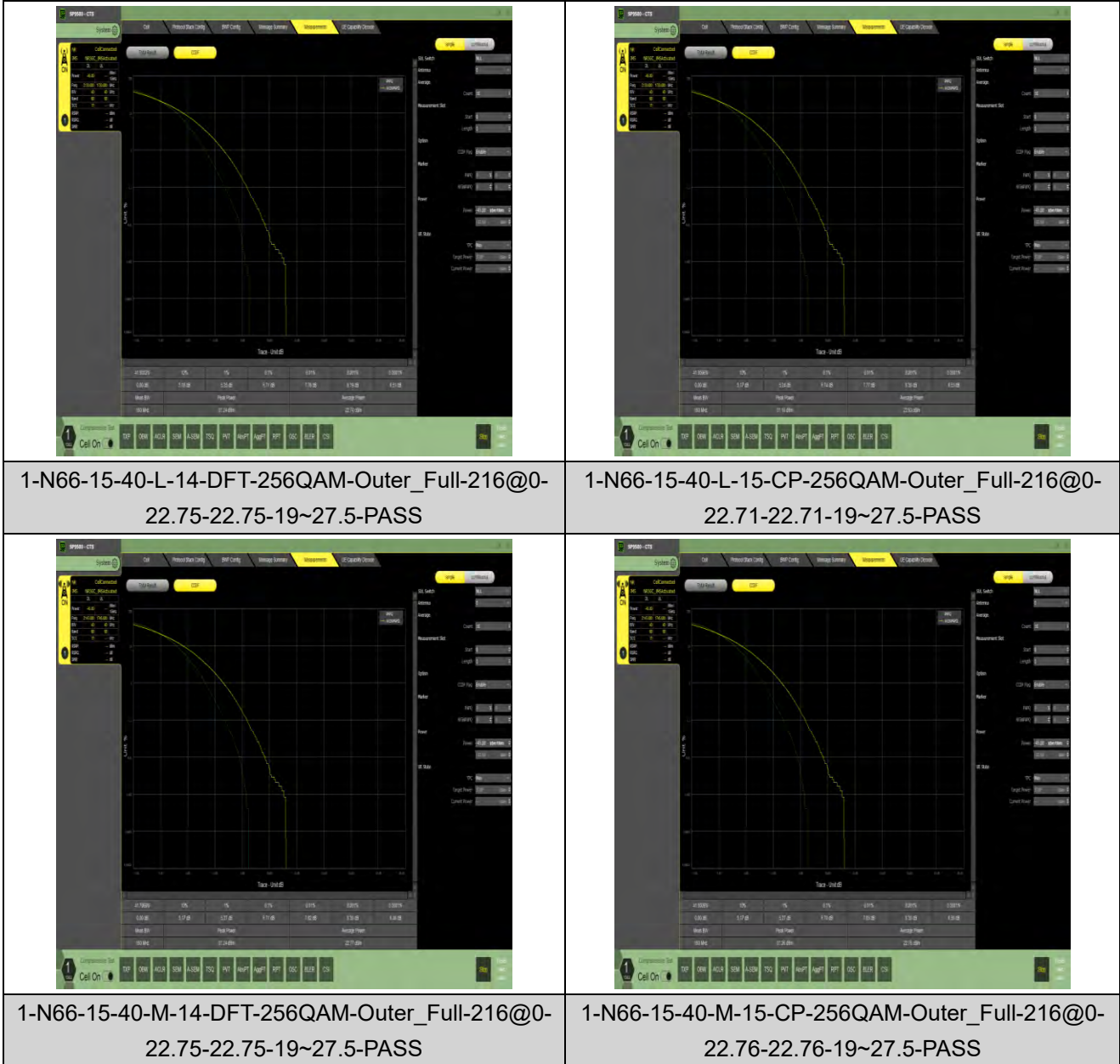
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Test Graphs



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1-N66-15-40-H-14-DFT-256QAM-Outer_Full-216@0-22.74-22.74-19~27.5-PASS



1-N66-15-40-H-15-CP-256QAM-Outer_Full-216@0-22.70-22.70-19~27.5-PASS



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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
N66	15	5	DFT-QPSK	M	Outer_Full	4.509	4.940	PASS
N66	15	5	DFT-PI2BPSK	M	Outer_Full	4.509	4.930	PASS
N66	15	5	DFT-16QAM	M	Outer_Full	4.497	4.940	PASS
N66	15	5	DFT-64QAM	M	Outer_Full	4.525	4.960	PASS
N66	15	5	DFT-256QAM	M	Outer_Full	4.507	4.950	PASS
N66	15	5	CP-QPSK	M	Outer_Full	4.493	4.940	PASS
N66	15	5	CP-16QAM	M	Outer_Full	4.504	4.940	PASS
N66	15	5	CP-64QAM	M	Outer_Full	4.502	4.970	PASS
N66	15	5	CP-256QAM	M	Outer_Full	4.496	4.950	PASS
N66	15	10	DFT-QPSK	M	Outer_Full	8.911	9.420	PASS
N66	15	10	DFT-PI2BPSK	M	Outer_Full	8.947	9.420	PASS
N66	15	10	DFT-16QAM	M	Outer_Full	8.91	9.400	PASS
N66	15	10	DFT-64QAM	M	Outer_Full	8.932	9.440	PASS
N66	15	10	DFT-256QAM	M	Outer_Full	8.92	9.420	PASS
N66	15	10	CP-QPSK	M	Outer_Full	9.284	9.820	PASS
N66	15	10	CP-16QAM	M	Outer_Full	9.297	9.800	PASS
N66	15	10	CP-64QAM	M	Outer_Full	9.285	9.780	PASS
N66	15	10	CP-256QAM	M	Outer_Full	9.272	9.780	PASS
N66	15	15	DFT-QPSK	M	Outer_Full	13.454	14.340	PASS
N66	15	15	DFT-PI2BPSK	M	Outer_Full	13.464	14.310	PASS
N66	15	15	DFT-16QAM	M	Outer_Full	13.438	14.340	PASS
N66	15	15	DFT-64QAM	M	Outer_Full	13.474	14.340	PASS
N66	15	15	DFT-256QAM	M	Outer_Full	13.45	14.280	PASS
N66	15	15	CP-QPSK	M	Outer_Full	14.148	15.030	PASS
N66	15	15	CP-16QAM	M	Outer_Full	14.164	15.090	PASS
N66	15	15	CP-64QAM	M	Outer_Full	14.168	15.060	PASS
N66	15	15	CP-256QAM	M	Outer_Full	14.147	15.000	PASS
N66	15	20	DFT-QPSK	M	Outer_Full	17.861	18.920	PASS
N66	15	20	DFT-PI2BPSK	M	Outer_Full	17.911	18.880	PASS
N66	15	20	DFT-16QAM	M	Outer_Full	17.865	18.880	PASS



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N66	15	20	DFT-64QAM	M	Outer_Full	17.906	18.920	PASS
N66	15	20	DFT-256QAM	M	Outer_Full	17.872	18.880	PASS
N66	15	20	CP-QPSK	M	Outer_Full	18.954	20.000	PASS
N66	15	20	CP-16QAM	M	Outer_Full	18.931	20.040	PASS
N66	15	20	CP-64QAM	M	Outer_Full	18.978	19.920	PASS
N66	15	20	CP-256QAM	M	Outer_Full	18.914	19.960	PASS
N66	15	25	DFT-QPSK	M	Outer_Full	22.834	23.950	PASS
N66	15	25	DFT-P12BPSK	M	Outer_Full	22.869	23.950	PASS
N66	15	25	DFT-16QAM	M	Outer_Full	22.825	23.850	PASS
N66	15	25	DFT-64QAM	M	Outer_Full	22.847	23.900	PASS
N66	15	25	DFT-256QAM	M	Outer_Full	22.813	23.900	PASS
N66	15	25	CP-QPSK	M	Outer_Full	23.773	24.900	PASS
N66	15	25	CP-16QAM	M	Outer_Full	23.769	24.850	PASS
N66	15	25	CP-64QAM	M	Outer_Full	23.759	24.850	PASS
N66	15	25	CP-256QAM	M	Outer_Full	23.728	24.850	PASS
N66	15	30	DFT-QPSK	M	Outer_Full	28.475	29.940	PASS
N66	15	30	DFT-P12BPSK	M	Outer_Full	28.54	29.820	PASS
N66	15	30	DFT-16QAM	M	Outer_Full	28.505	29.820	PASS
N66	15	30	DFT-64QAM	M	Outer_Full	28.531	29.820	PASS
N66	15	30	DFT-256QAM	M	Outer_Full	28.47	29.820	PASS
N66	15	30	CP-QPSK	M	Outer_Full	28.562	29.880	PASS
N66	15	30	CP-16QAM	M	Outer_Full	28.521	29.880	PASS
N66	15	30	CP-64QAM	M	Outer_Full	28.534	29.880	PASS
N66	15	30	CP-256QAM	M	Outer_Full	28.516	29.880	PASS
N66	15	40	DFT-QPSK	M	Outer_Full	38.838	41.280	PASS
N66	15	40	DFT-P12BPSK	M	Outer_Full	38.763	41.280	PASS
N66	15	40	DFT-16QAM	M	Outer_Full	38.637	41.360	PASS
N66	15	40	DFT-64QAM	M	Outer_Full	38.788	41.360	PASS
N66	15	40	DFT-256QAM	M	Outer_Full	38.77	41.200	PASS
N66	15	40	CP-QPSK	M	Outer_Full	38.848	41.280	PASS
N66	15	40	CP-16QAM	M	Outer_Full	38.775	41.760	PASS
N66	15	40	CP-64QAM	M	Outer_Full	38.803	41.360	PASS
N66	15	40	CP-256QAM	M	Outer_Full	38.751	41.360	PASS



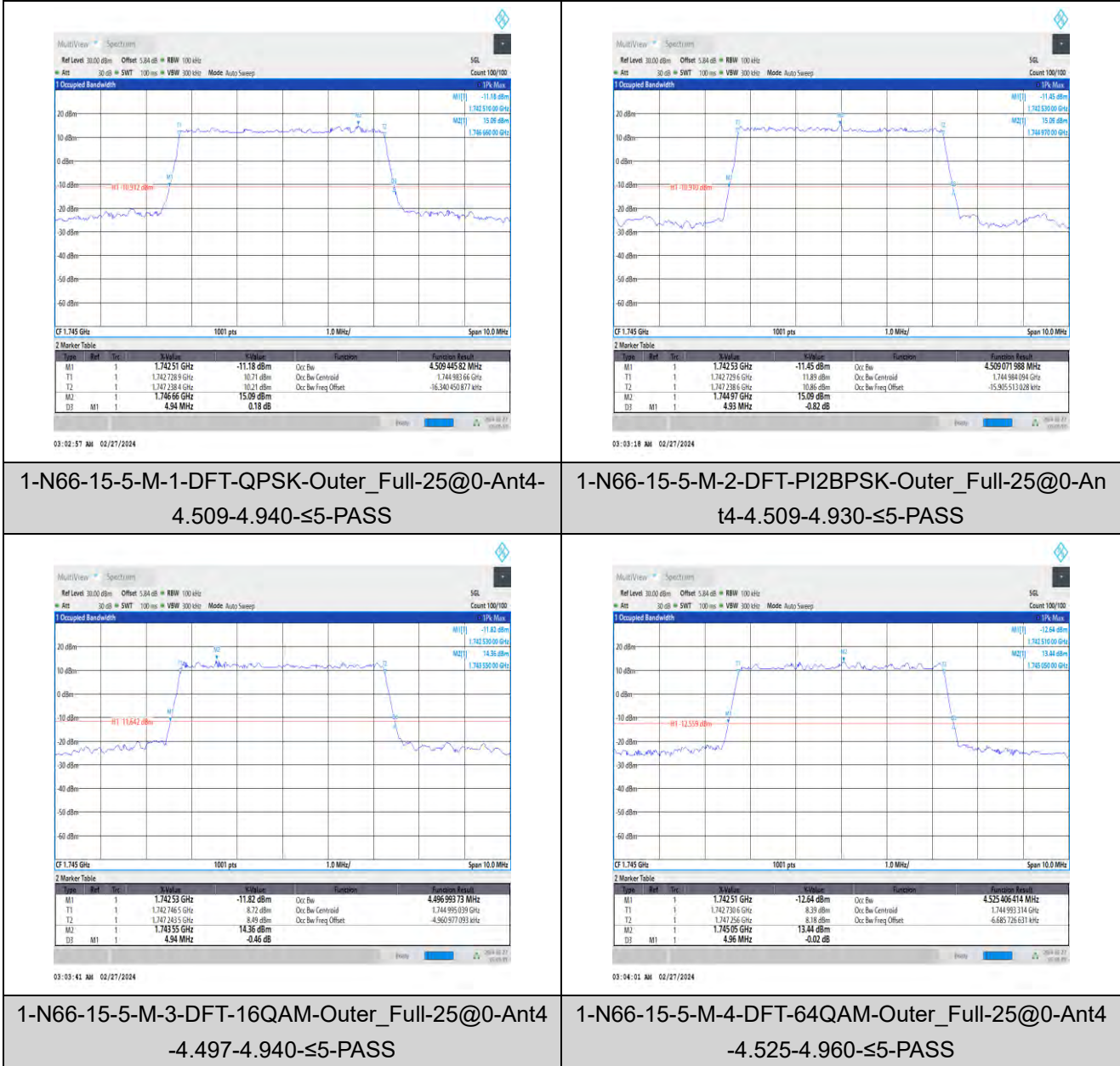
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Test Graphs



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1-N66-15-5-M-5-DFT-256QAM-Outer_Full-25@0-Ant
4-4.507-4.950-≤5-PASS



1-N66-15-5-M-6-CP-QPSK-Outer_Full-25@0-Ant4-4.
493-4.940-≤5-PASS



1-N66-15-5-M-7-CP-16QAM-Outer_Full-25@0-Ant4-
4.504-4.940-≤5-PASS



1-N66-15-5-M-8-CP-64QAM-Outer_Full-25@0-Ant4-
4.502-4.970-≤5-PASS



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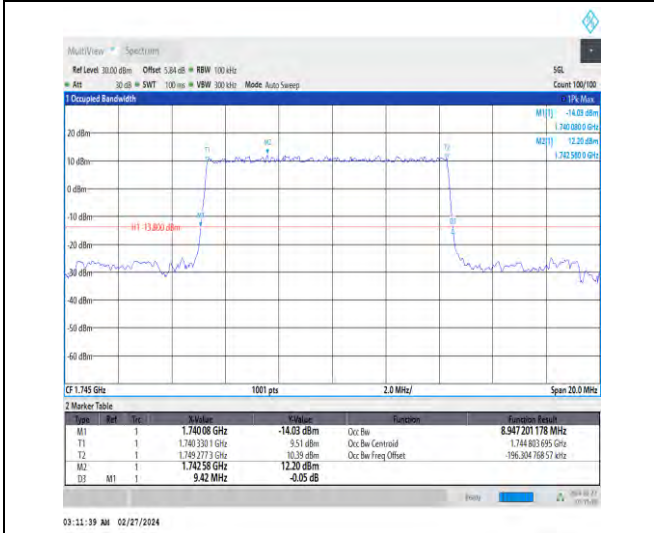
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1-N66-15-5-M-9-CP-256QAM-Outer_Full-25@0-Ant4
-4.496-4.950-≤5-PASS



1-N66-15-10-M-1-DFT-QPSK-Outer_Full-50@0-Ant4
-8.911-9.420-≤10-PASS



1-N66-15-10-M-2-DFT-PI2BPSK-Outer_Full-50@0-Ant4
8.947-9.420-≤10-PASS



1-N66-15-10-M-3-DFT-16QAM-Outer_Full-50@0-Ant4
4-8.91-9.400-≤10-PASS



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1-N66-15-10-M-4-DFT-64QAM-Outer_Full-50@0-Ant
 4-8.932-9.440-≤10-PASS



1-N66-15-10-M-5-DFT-256QAM-Outer_Full-50@0-A
 nt4-8.92-9.420-≤10-PASS



1-N66-15-10-M-6-CP-QPSK-Outer_Full-52@0-Ant4-
 9.284-9.820-≤10-PASS



1-N66-15-10-M-7-CP-16QAM-Outer_Full-52@0-Ant4
 -9.297-9.800-≤10-PASS



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1-N66-15-10-M-8-CP-64QAM-Outer_Full-52@0-Ant4
-9.285-9.780-≤10-PASS



1-N66-15-10-M-9-CP-256QAM-Outer_Full-52@0-Ant
4-9.272-9.780-≤10-PASS



1-N66-15-15-M-1-DFT-QPSK-Outer_Full-75@0-Ant4
-13.454-14.340-≤15-PASS



1-N66-15-15-M-2-DFT-PI2BPSK-Outer_Full-75@0-Ant4
-13.464-14.310-≤15-PASS



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1-N66-15-15-M-3-DFT-16QAM-Outer_Full-75@0-Ant
4-13.438-14.340≤15-PASS



1-N66-15-15-M-4-DFT-64QAM-Outer_Full-75@0-Ant
4-13.474-14.340≤15-PASS



1-N66-15-15-M-5-DFT-256QAM-Outer_Full-75@0-A
nt4-13.45-14.280≤15-PASS



1-N66-15-15-M-6-CP-QPSK-Outer_Full-79@0-Ant4
14.148-15.030≤15-PASS



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1-N66-15-15-M-7-CP-16QAM-Outer_Full-79@0-Ant4
 -14.164-15.090-≤15-PASS



1-N66-15-15-M-8-CP-64QAM-Outer_Full-79@0-Ant4
 -14.168-15.060-≤15-PASS



1-N66-15-15-M-9-CP-256QAM-Outer_Full-79@0-Ant
 4-14.147-15.000-≤15-PASS



1-N66-15-20-M-1-DFT-QPSK-Outer_Full-100@0-Ant
 4-17.861-18.920-≤20-PASS



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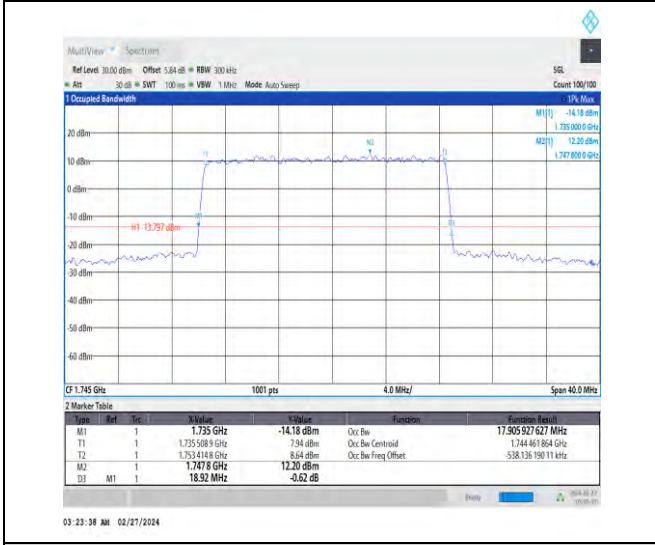
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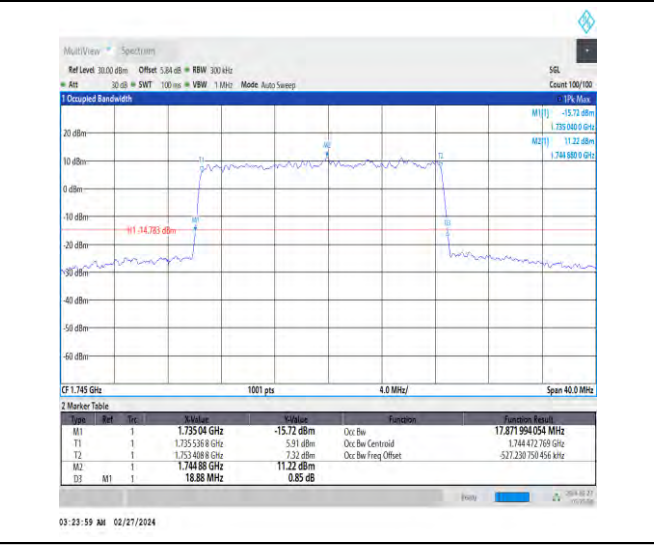
1-N66-15-20-M-2-DFT-PI2BPSK-Outer_Full-100@0-Ant4-17.911-18.880-≤ 20-PASS



1-N66-15-20-M-3-DFT-16QAM-Outer_Full-100@0-Ant4-17.865-18.880-≤ 20-PASS



1-N66-15-20-M-4-DFT-64QAM-Outer_Full-100@0-Ant4-17.906-18.920-≤ 20-PASS



1-N66-15-20-M-5-DFT-256QAM-Outer_Full-100@0-Ant4-17.872-18.880-≤ 20-PASS



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1-N66-15-20-M-6-CP-QPSK-Outer_Full-106@0-Ant4
-18.954-20.000-≤20-PASS



1-N66-15-20-M-7-CP-16QAM-Outer_Full-106@0-Ant4
4-18.931-20.040-≤20-PASS



1-N66-15-20-M-8-CP-64QAM-Outer_Full-106@0-Ant
4-18.978-19.920-≤20-PASS



1-N66-15-20-M-9-CP-256QAM-Outer_Full-106@0-A
nt4-18.914-19.960-≤20-PASS



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1-N66-15-25-M-1-DFT-QPSK-Outer_Full-128@0-Ant
4-22.834-23.950-≤25-PASS



1-N66-15-25-M-2-DFT-PI2BPSK-Outer_Full-128@0-Ant
4-22.869-23.950-≤25-PASS



1-N66-15-25-M-3-DFT-16QAM-Outer_Full-128@0-Ant
4-22.825-23.850-≤25-PASS



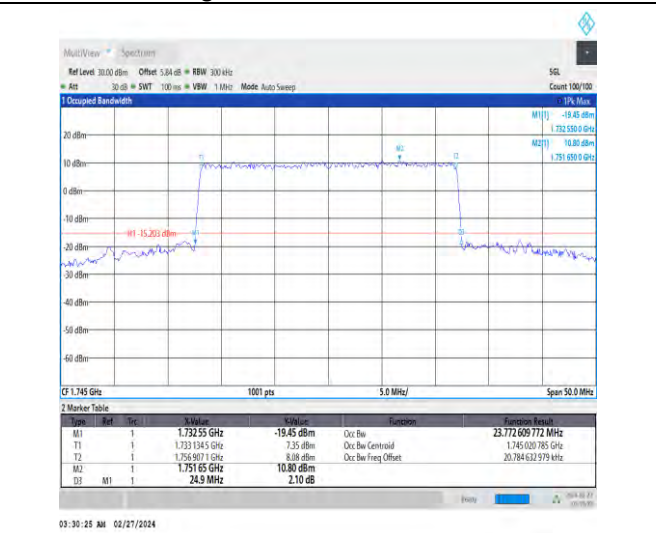
1-N66-15-25-M-4-DFT-64QAM-Outer_Full-128@0-Ant
4-22.847-23.900-≤25-PASS



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1-N66-15-25-M-5-DFT-256QAM-Outer_Full-128@0-Ant4-22.813-23.900-≤25-PASS

1-N66-15-25-M-6-CP-QPSK-Outer_Full-133@0-Ant4-23.773-24.900-≤25-PASS



1-N66-15-25-M-7-CP-16QAM-Outer_Full-133@0-Ant 4-23.769-24.850-≤25-PASS

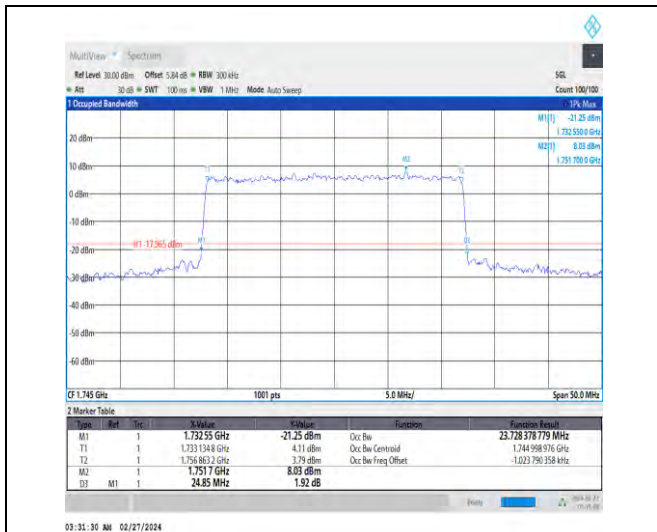
1-N66-15-25-M-8-CP-64QAM-Outer_Full-133@0-Ant 4-23.759-24.850-≤25-PASS



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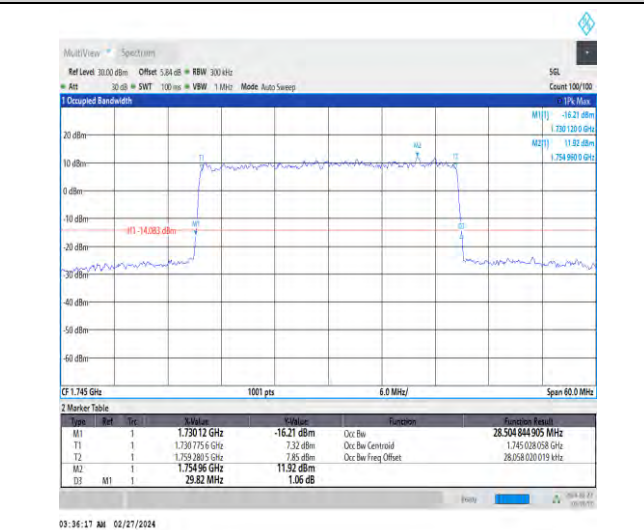
1-N66-15-25-M-9-CP-256QAM-Outer_Full-133@0-A
 nt4-23.728-24.850-≤25-PASS



1-N66-15-30-M-1-DFT-QPSK-Outer_Full-160@0-Ant
 4-28.475-29.940-≤30-PASS



1-N66-15-30-M-2-DFT-PI2BPSK-Outer_Full-160@0-Ant4
 28.54-29.820-≤30-PASS



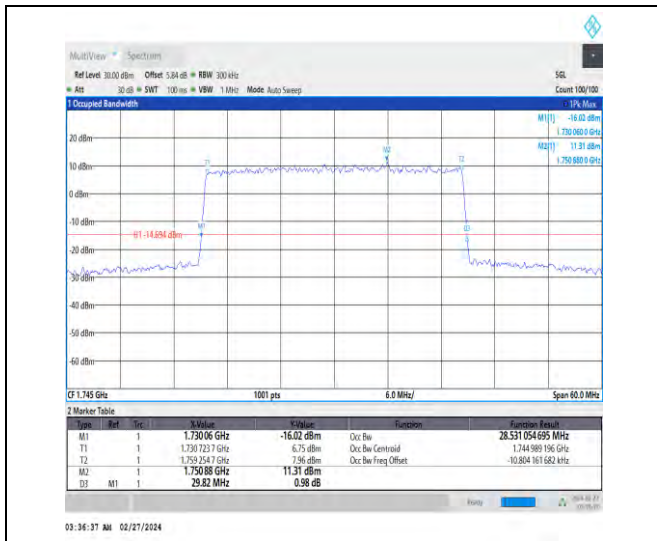
1-N66-15-30-M-3-DFT-16QAM-Outer_Full-160@0-A
 nt4-28.505-29.820-≤30-PASS



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1-N66-15-30-M-4-DFT-64QAM-Outer_Full-160@0-Ant4-28.531-29.820-≤30-PASS

1-N66-15-30-M-5-DFT-256QAM-Outer_Full-160@0-Ant4-28.47-29.820-≤30-PASS



1-N66-15-30-M-6-CP-QPSK-Outer_Full-160@0-Ant4-28.562-29.880-≤30-PASS

1-N66-15-30-M-7-CP-16QAM-Outer_Full-160@0-Ant4-28.521-29.880-≤30-PASS



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1-N66-15-30-M-8-CP-64QAM-Outer_Full-160@0-Ant
4-28.534-29.880-≤30-PASS



1-N66-15-30-M-9-CP-256QAM-Outer_Full-160@0-Ant
nt4-28.516-29.880-≤30-PASS



1-N66-15-40-M-1-DFT-QPSK-Outer_Full-216@0-Ant
4-38.838-41.280-≤40-PASS



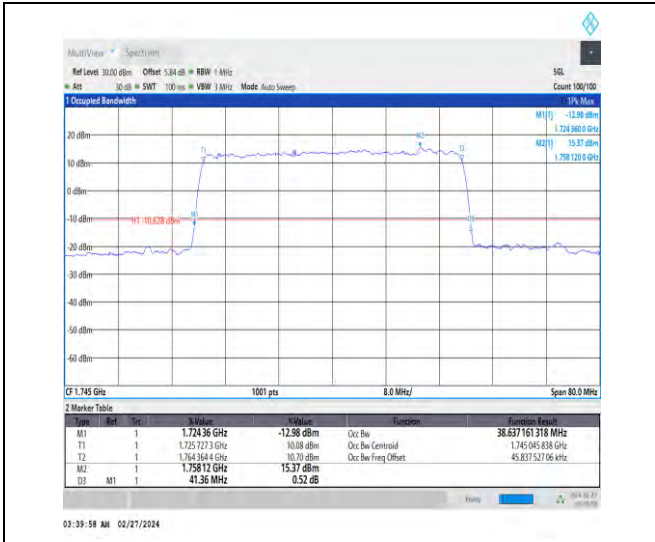
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4-38.763-41.280-≤40-PASS



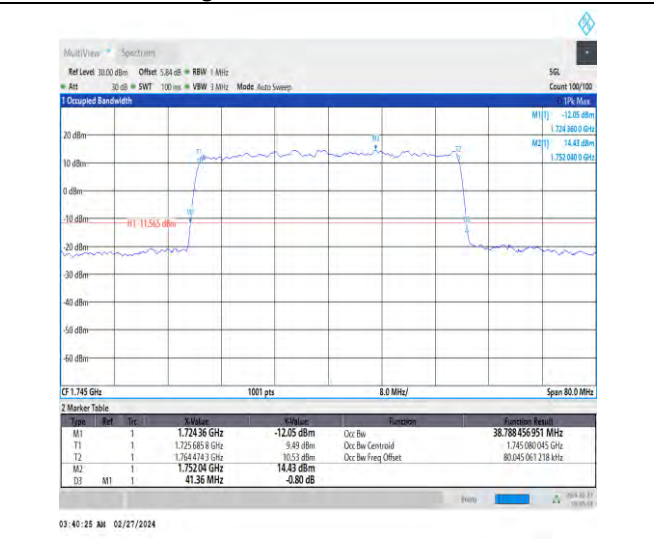
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1-N66-15-40-M-3-DFT-16QAM-Outer_Full-216@0-A
nt4-38.637-41.360-≤40-PASS



1-N66-15-40-M-4-DFT-64QAM-Outer_Full-216@0-A
nt4-38.788-41.360-≤40-PASS



1-N66-15-40-M-5-DFT-256QAM-Outer_Full-216@0-A
Ant4-38.77-41.200-≤40-PASS



1-N66-15-40-M-6-CP-QPSK-Outer_Full-216@0-Ant4
-38.848-41.280-≤40-PASS



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1-N66-15-40-M-7-CP-16QAM-Outer_Full-216@0-Ant
4-38.775-41.760-≤40-PASS



1-N66-15-40-M-8-CP-64QAM-Outer_Full-216@0-Ant
4-38.803-41.360-≤40-PASS



1-N66-15-40-M-9-CP-256QAM-Outer_Full-216@0-A
nt4-38.751-41.360-≤40-PASS



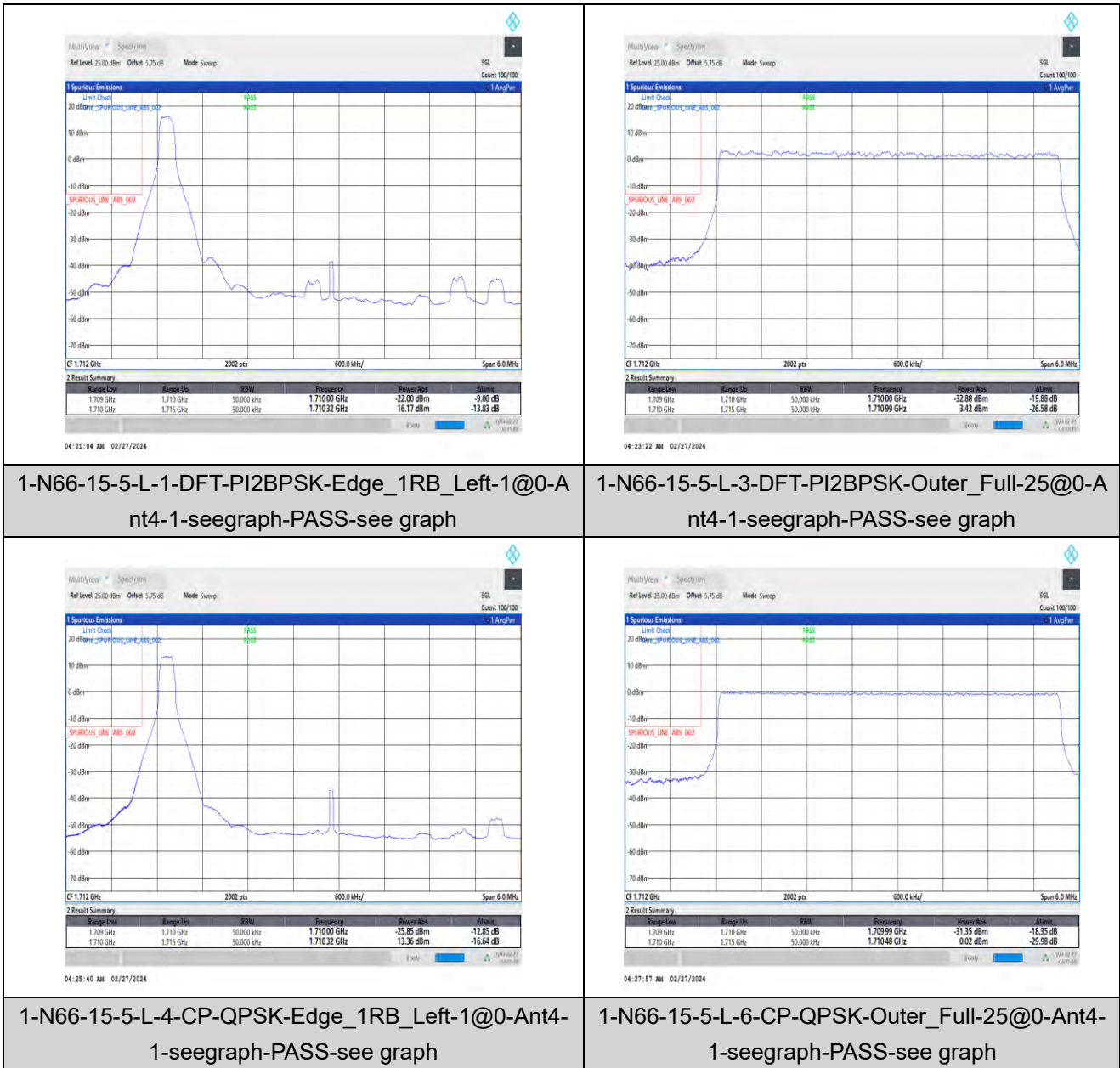
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Band Edge for SA

Test Graphs



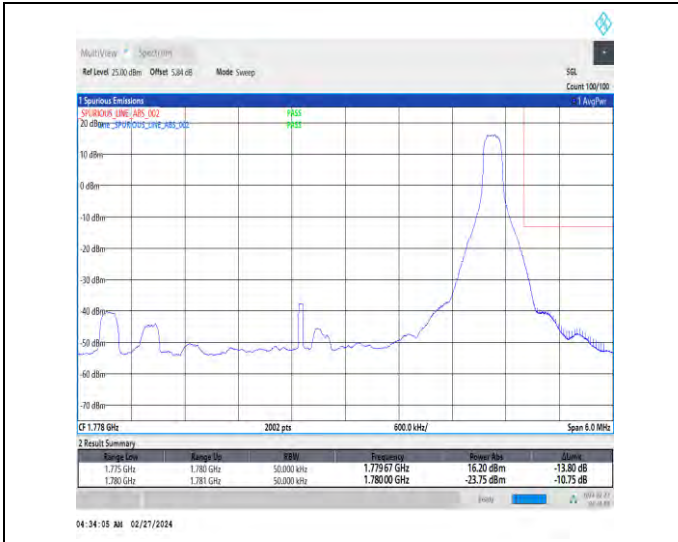
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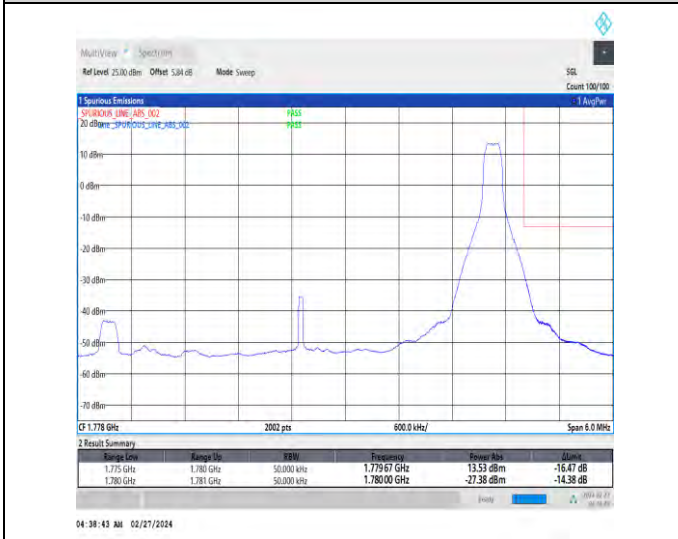
Member of the SGS Group (SGS SA)



1-N66-15-5-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@2
4-Ant4-1-seegraph-PASS-see graph



1-N66-15-5-H-3-DFT-PI2BPSK-Outer_Full-25@0-
Ant4-1-seegraph-PASS-see graph



1-N66-15-5-H-5-CP-QPSK-Edge_1RB_Right-1@24-An
t4-1-seegraph-PASS-see graph



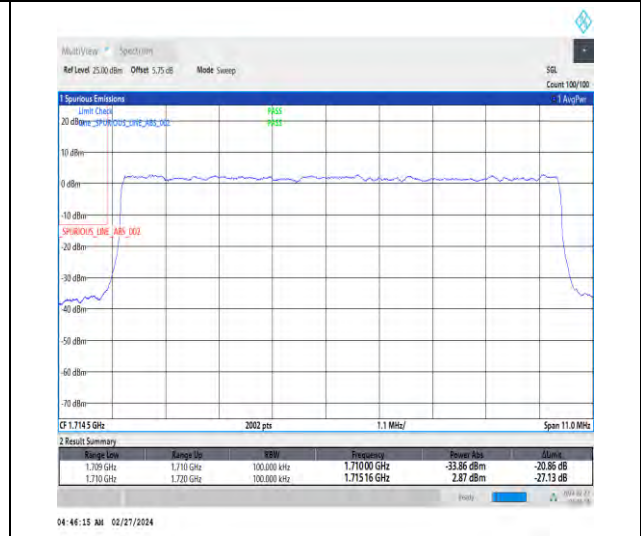
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1-seegraph-PASS-see graph



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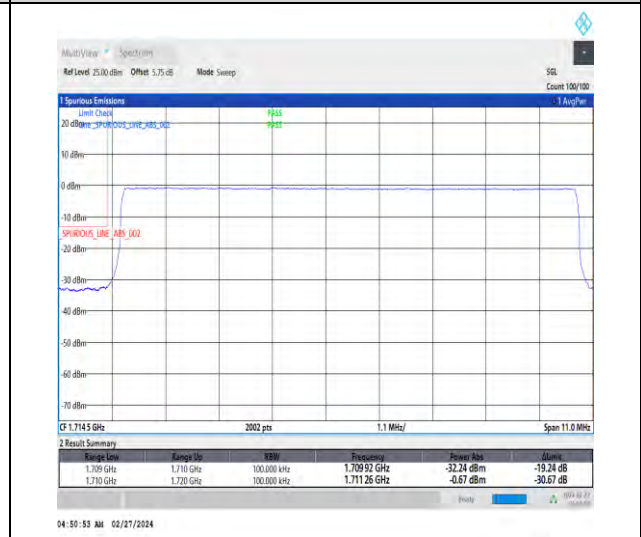
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1-N66-15-10-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant4-1-seegraph-PASS-see graph

1-N66-15-10-L-3-DFT-PI2BPSK-Outer_Full-50@0-Ant4-1-seegraph-PASS-see graph



1-N66-15-10-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant4-1-seegraph-PASS-see graph

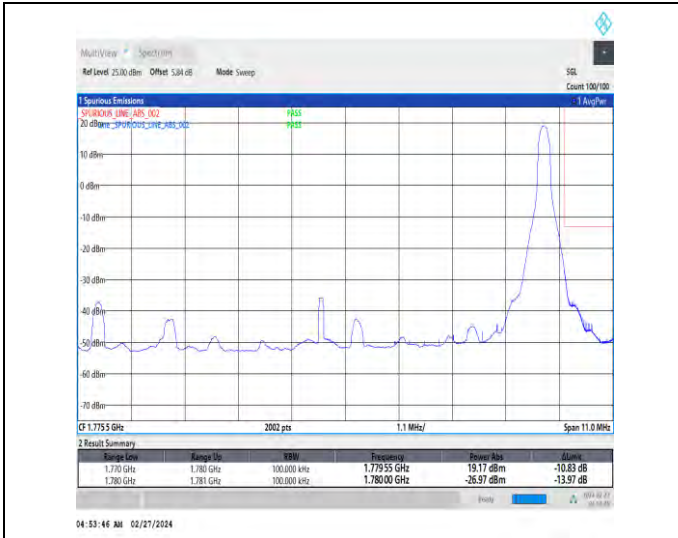
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1-N66-15-10-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@51-Ant4-1-seegraph-PASS-see graph

1-N66-15-10-H-3-DFT-PI2BPSK-Outer_Full-50@0-Ant4-1-seegraph-PASS-see graph



1-N66-15-10-H-5-CP-QPSK-Edge_1RB_Right-1@51-Ant4-1-seegraph-PASS-see graph

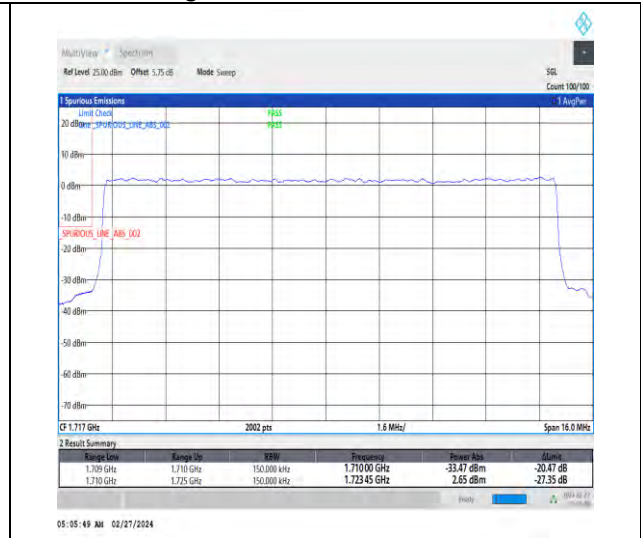
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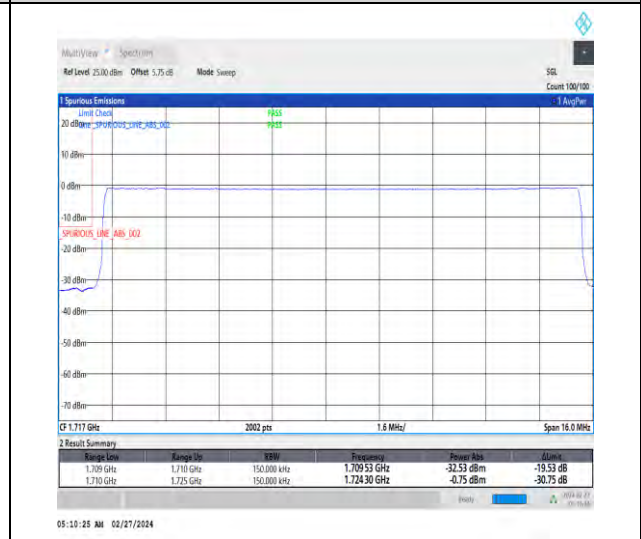
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1-N66-15-15-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant4-1-seegraph-PASS-see graph

1-N66-15-15-L-3-DFT-PI2BPSK-Outer_Full-75@0-Ant4-1-seegraph-PASS-see graph



1-N66-15-15-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant4-1-seegraph-PASS-see graph

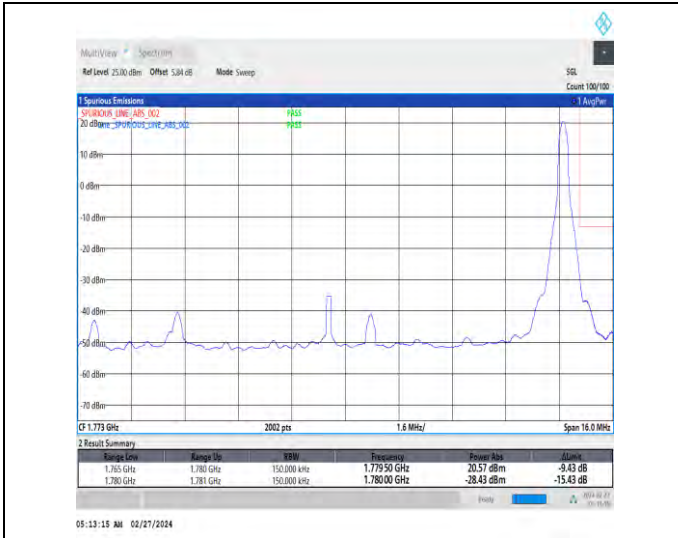
1-N66-15-15-L-6-CP-QPSK-Outer_Full-79@0-Ant4-1-seegraph-PASS-see graph



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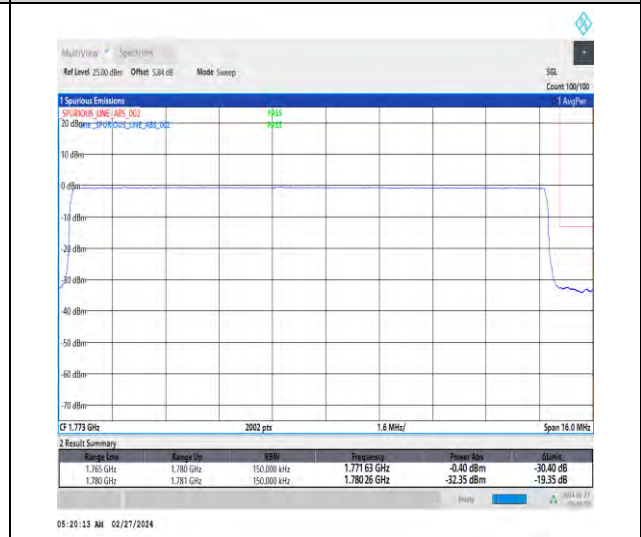
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1-N66-15-15-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@78-Ant4-1-seegraph-PASS-see graph

1-N66-15-15-H-3-DFT-PI2BPSK-Outer_Full-75@0-Ant4-1-seegraph-PASS-see graph



1-N66-15-15-H-5-CP-QPSK-Edge_1RB_Right-1@78-Ant4-1-seegraph-PASS-see graph

1-N66-15-15-H-6-CP-QPSK-Outer_Full-79@0-Ant4-1-seegraph-PASS-see graph

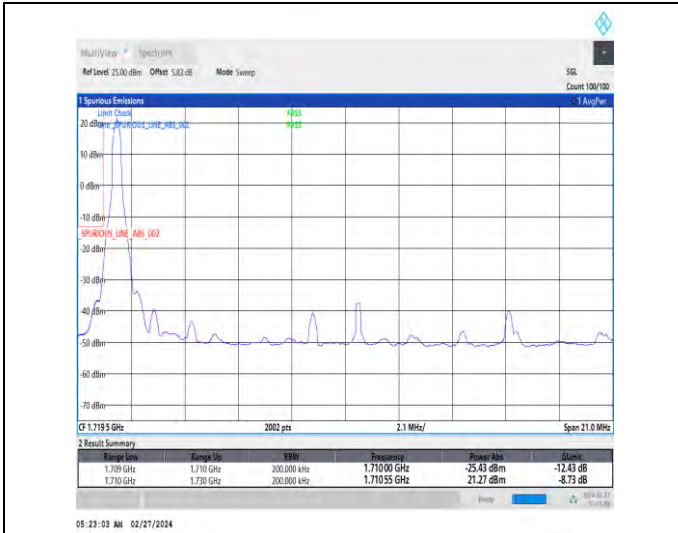


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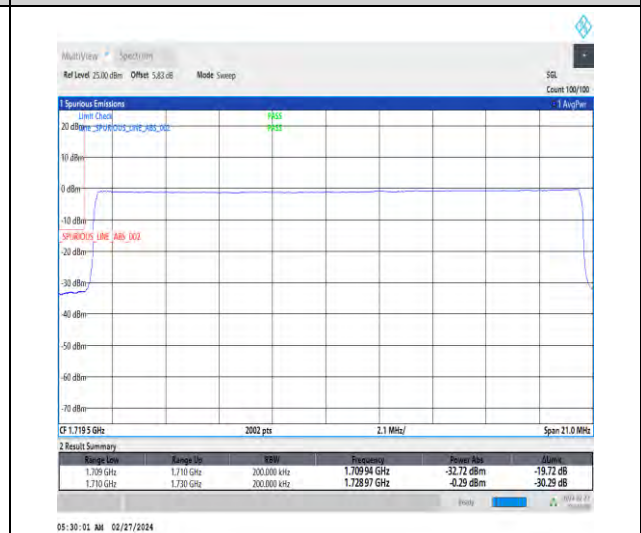
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1-N66-15-20-L-3-DFT-PI2BPSK-Outer_Full-100@0-Ant4-1-seegraph-PASS-see graph



1-N66-15-20-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant4-1-seegraph-PASS-see graph



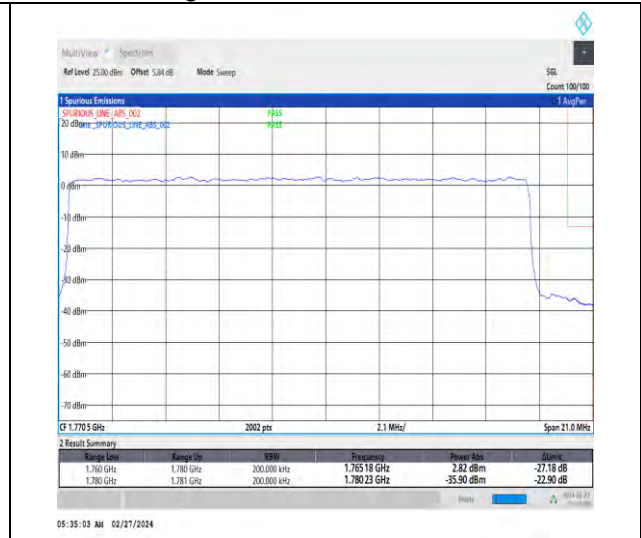
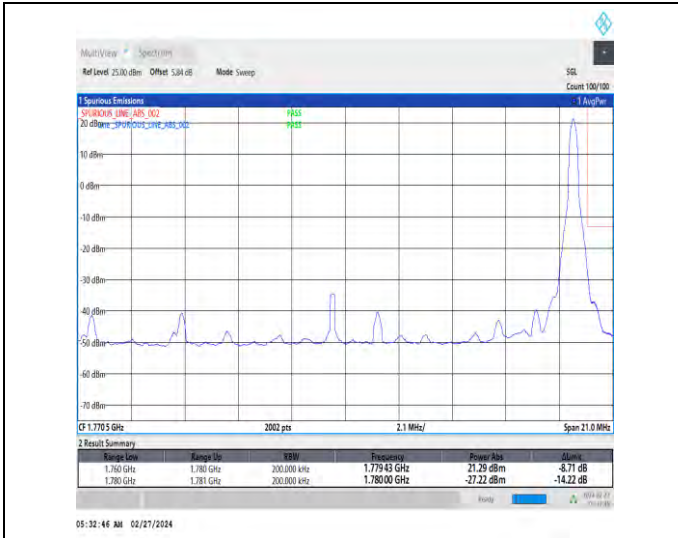
1-N66-15-20-L-6-CP-QPSK-Outer_Full-106@0-Ant4-1-seegraph-PASS-see graph



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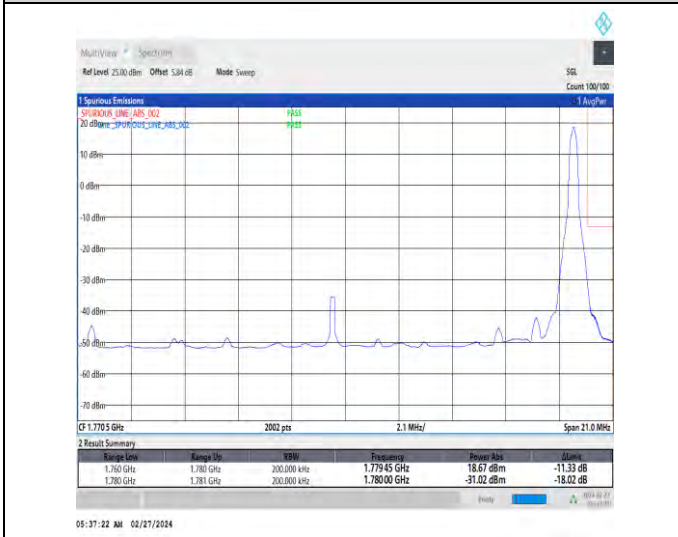
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1-N66-15-20-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@105-Ant4-1-seegraph-PASS-see graph

1-N66-15-20-H-3-DFT-PI2BPSK-Outer_Full-100@0-Ant4-1-seegraph-PASS-see graph



1-N66-15-20-H-5-CP-QPSK-Edge_1RB_Right-1@105-Ant4-1-seegraph-PASS-see graph

1-N66-15-20-H-6-CP-QPSK-Outer_Full-106@0-Ant4-1-seegraph-PASS-see graph



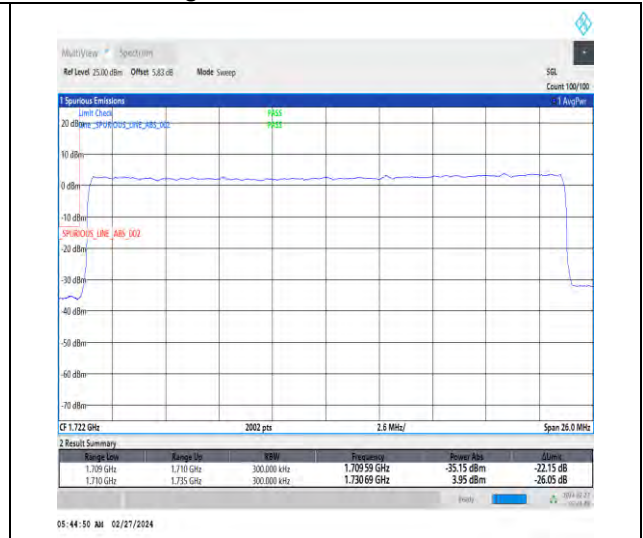
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1-N66-15-25-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant4-1-seegraph-PASS-see graph



1-N66-15-25-L-3-DFT-PI2BPSK-Outer_Full-128@0-Ant4-1-seegraph-PASS-see graph



1-N66-15-25-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant4-1-seegraph-PASS-see graph



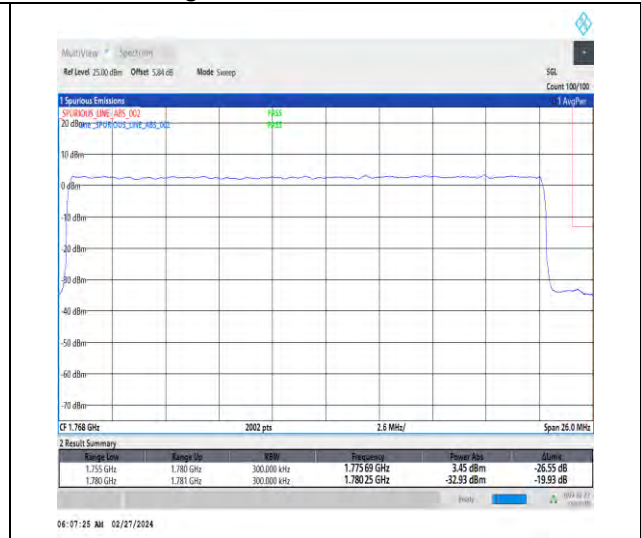
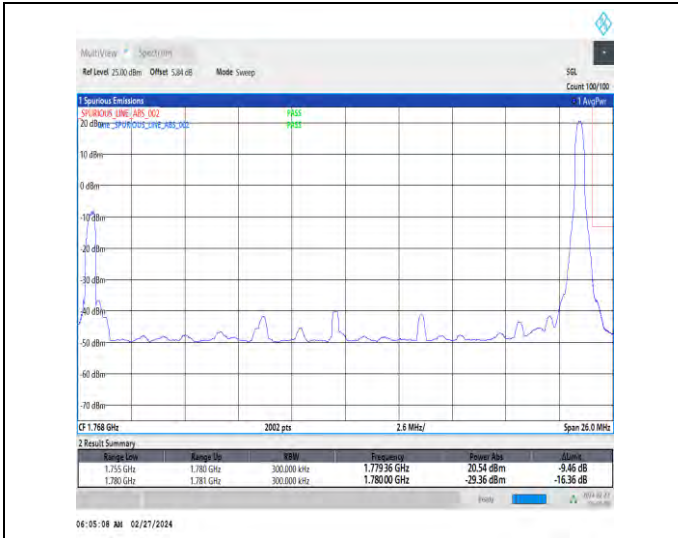
1-N66-15-25-L-6-CP-QPSK-Outer_Full-133@0-Ant4-1-seegraph-PASS-see graph



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1-N66-15-25-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@132-Ant4-1-seegraph-PASS-see graph

1-N66-15-25-H-3-DFT-PI2BPSK-Outer_Full-128@0-Ant4-1-seegraph-PASS-see graph



1-N66-15-25-H-5-CP-QPSK-Edge_1RB_Right-1@132-Ant4-1-seegraph-PASS-see graph

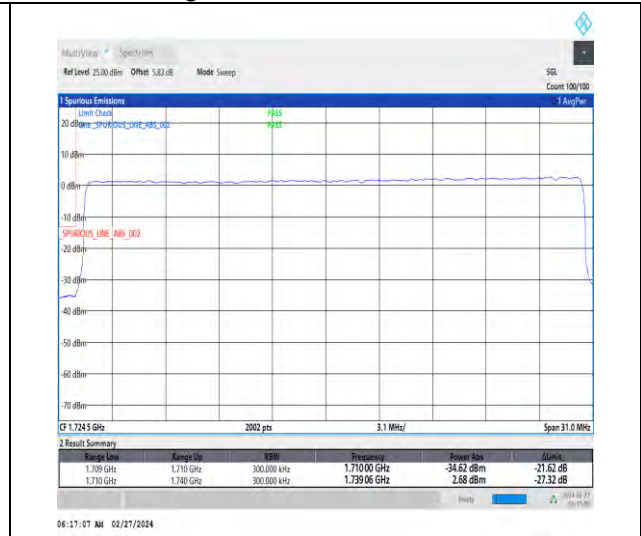
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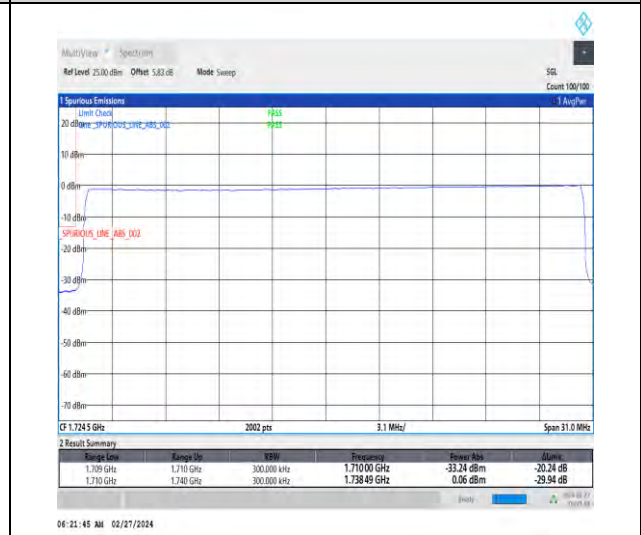
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1-N66-15-30-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant4-1-seegraph-PASS-see graph

1-N66-15-30-L-3-DFT-PI2BPSK-Outer_Full-160@0-Ant4-1-seegraph-PASS-see graph



1-N66-15-30-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant4-1-seegraph-PASS-see graph

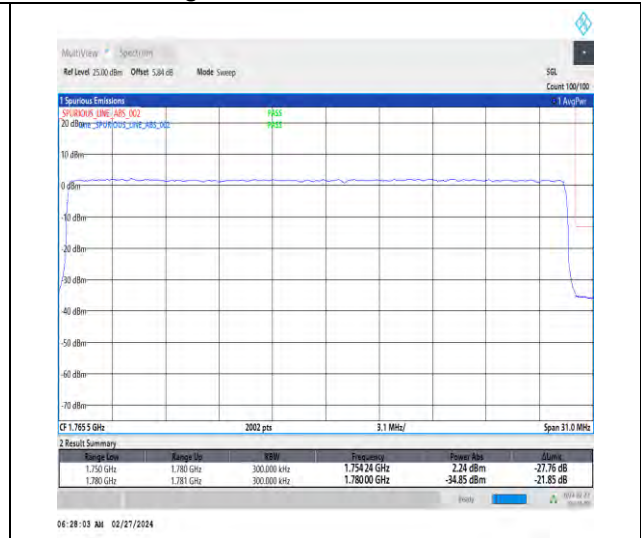
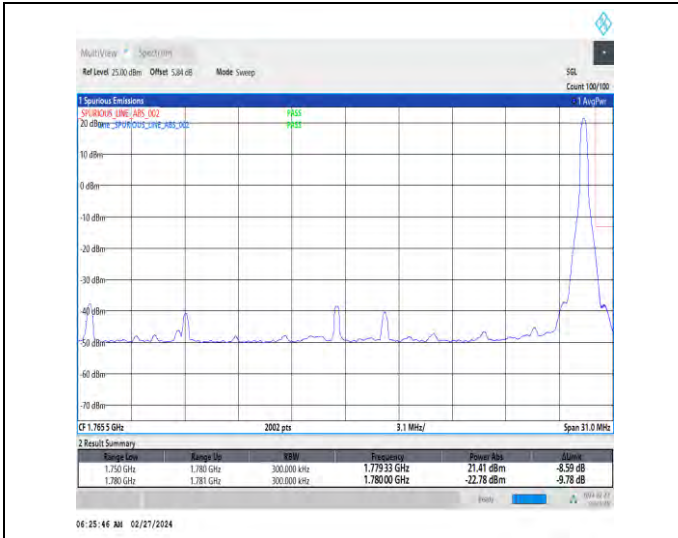
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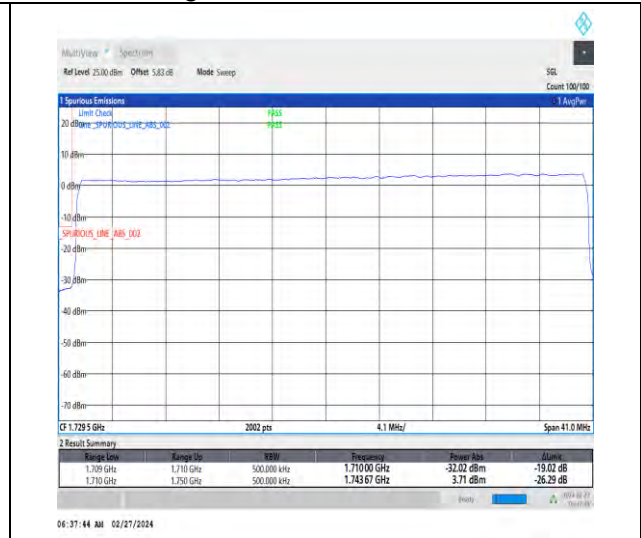
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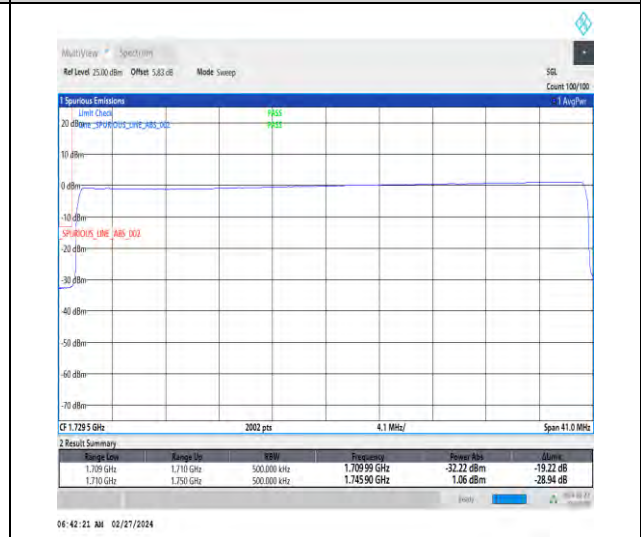
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1-N66-15-40-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant4-1-seegraph-PASS-see graph

1-N66-15-40-L-3-DFT-PI2BPSK-Outer_Full-216@0-Ant4-1-seegraph-PASS-see graph



1-N66-15-40-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant4-1-seegraph-PASS-see graph

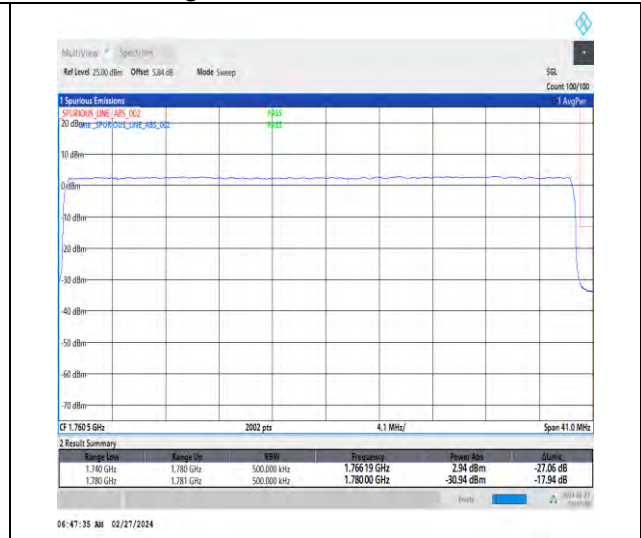
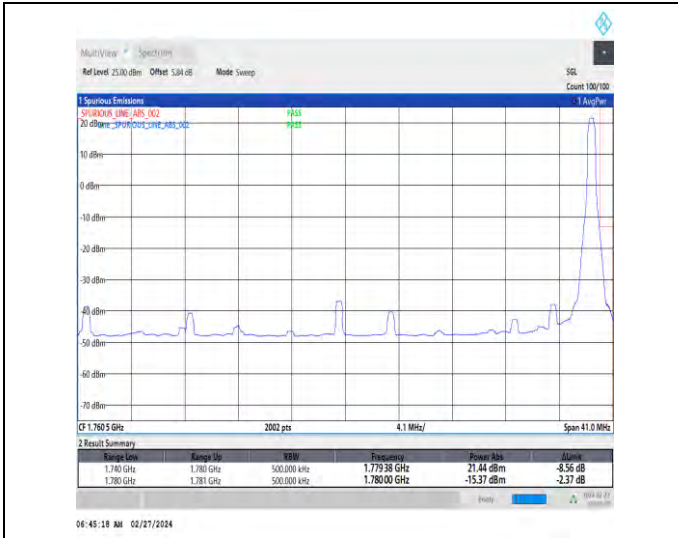
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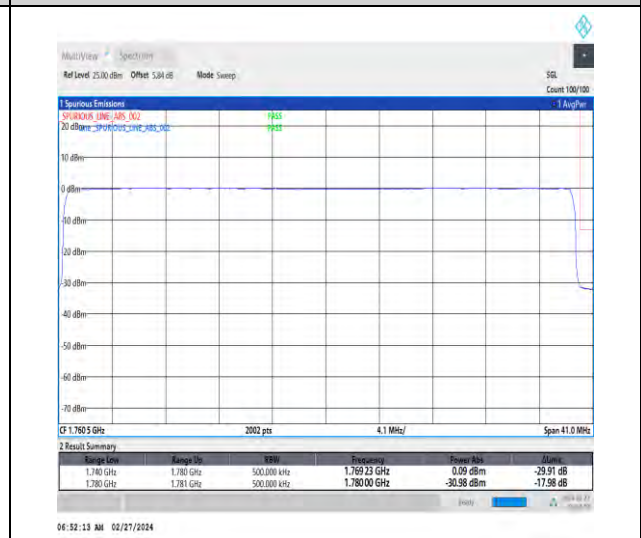
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1-N66-15-40-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@215-Ant4-1-seegraph-PASS-see graph

1-N66-15-40-H-3-DFT-PI2BPSK-Outer_Full-216@0-Ant4-1-seegraph-PASS-see graph



1-N66-15-40-H-5-CP-QPSK-Edge_1RB_Right-1@215-Ant4-1-seegraph-PASS-see graph

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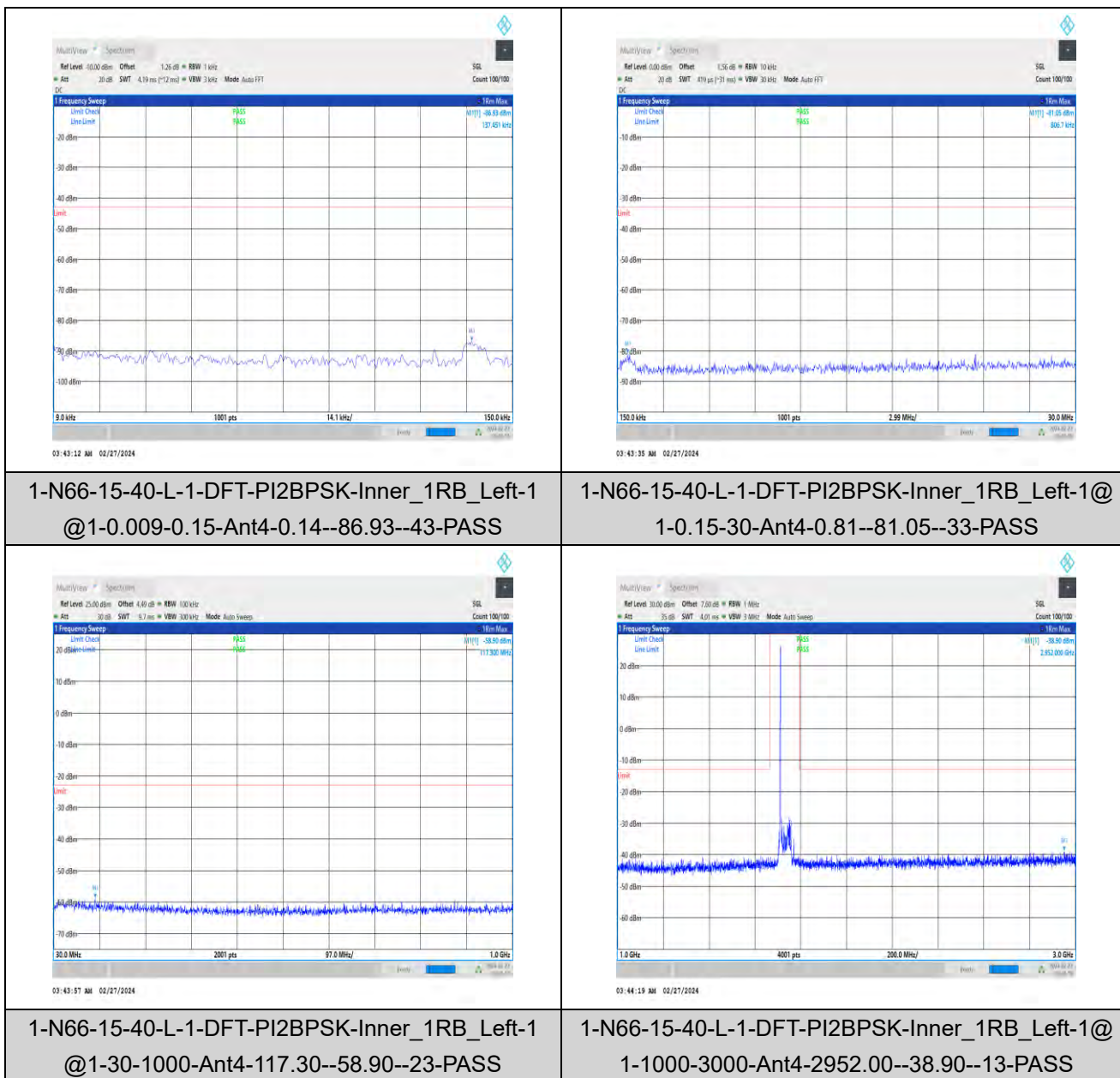
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Conducted Spurious Emission for SA

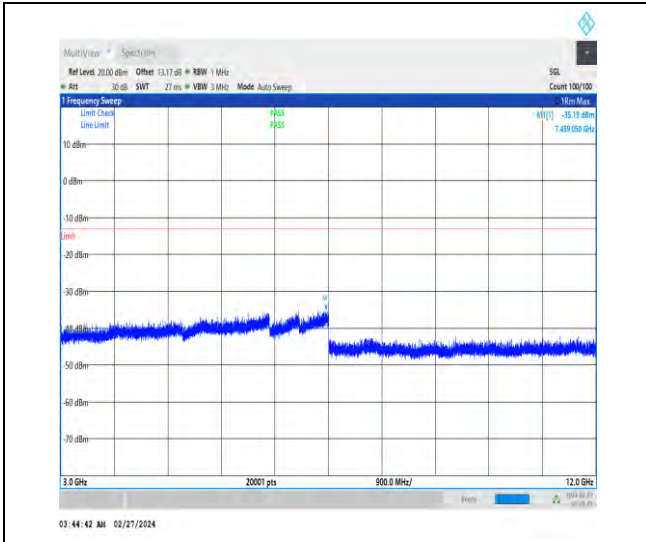
Test Graphs



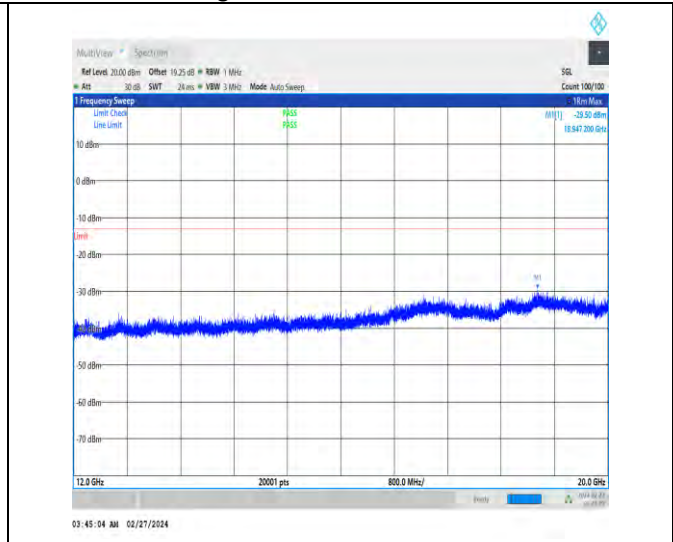
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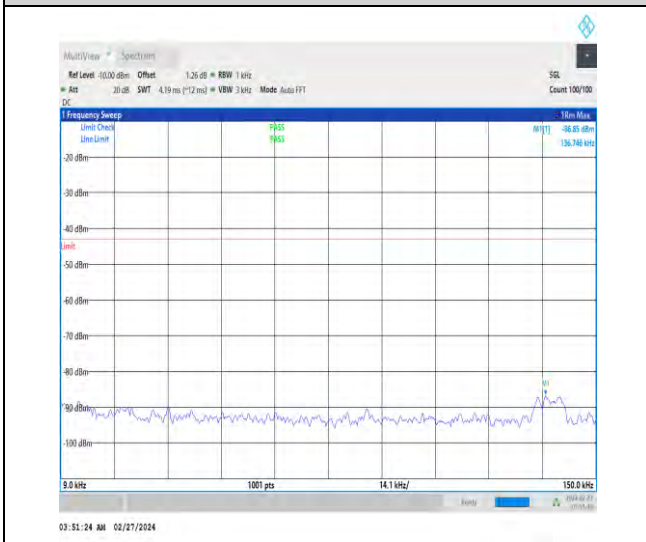
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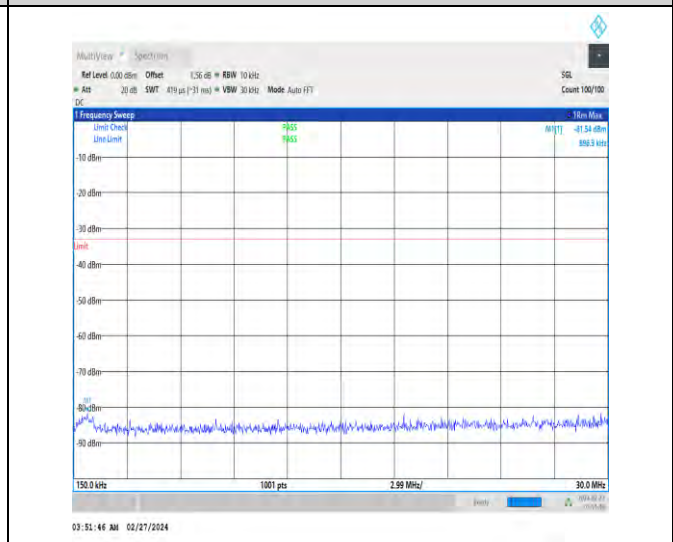
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@1-3000-12000-Ant4-7459.05--35.19--13-PASS



1-N66-15-40-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-12000-20000-Ant4-18947.20--29.50--13-PASS



1-N66-15-40-M-1-DFT-PI2BPSK-Inner_1RB_Left-1
@1-0.009-0.15-Ant4-0.14--86.85--43-PASS



1-N66-15-40-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-0.15-30-Ant4-0.90--81.54--33-PASS

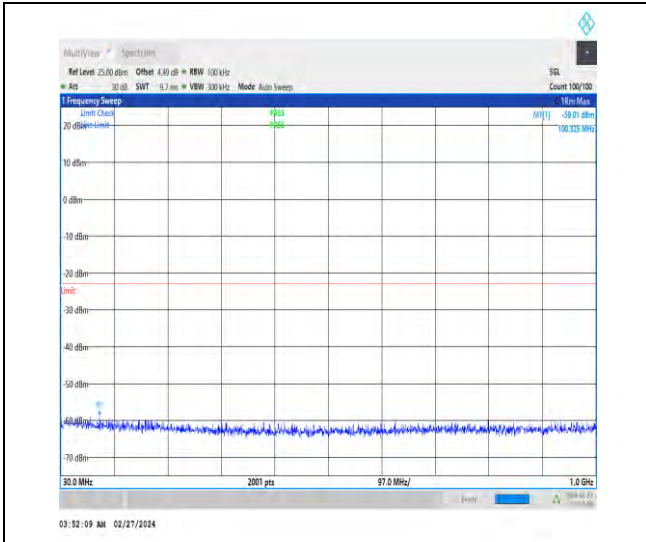


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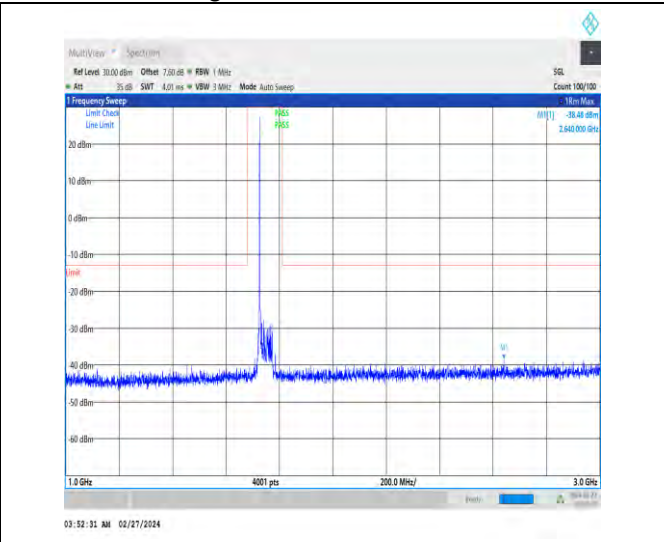
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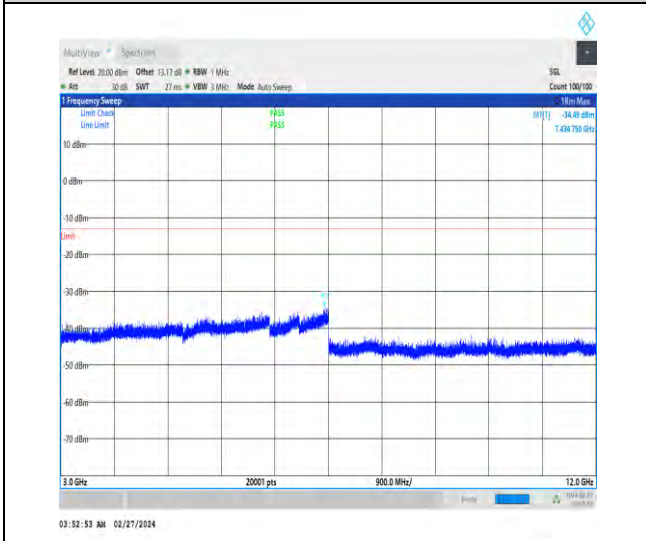
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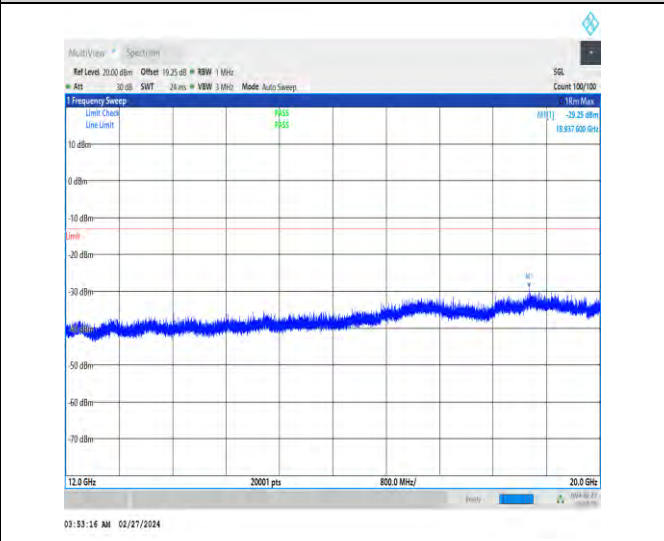
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@1-30-1000-Ant4-100.33--59.01--23-PASS



1-N66-15-40-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-1000-3000-Ant4-2640.00--38.48--13-PASS



1-N66-15-40-M-1-DFT-PI2BPSK-Inner_1RB_Left-1
@1-3000-12000-Ant4-7434.75--34.49--13-PASS



1-N66-15-40-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-12000-20000-Ant4-18937.60--29.25--13-PASS

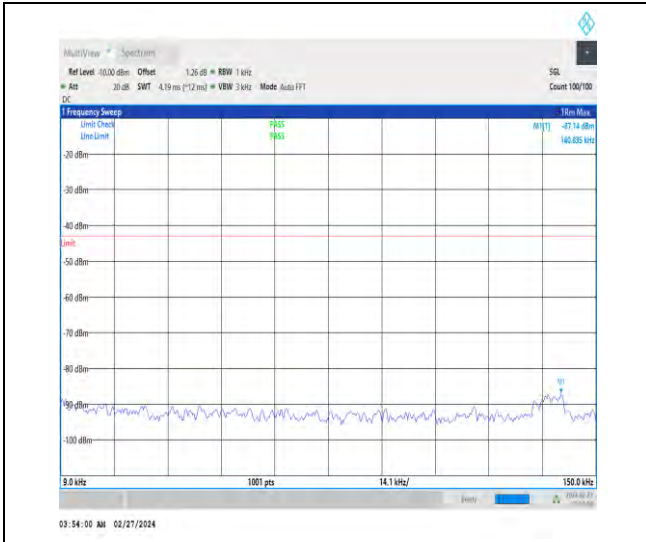


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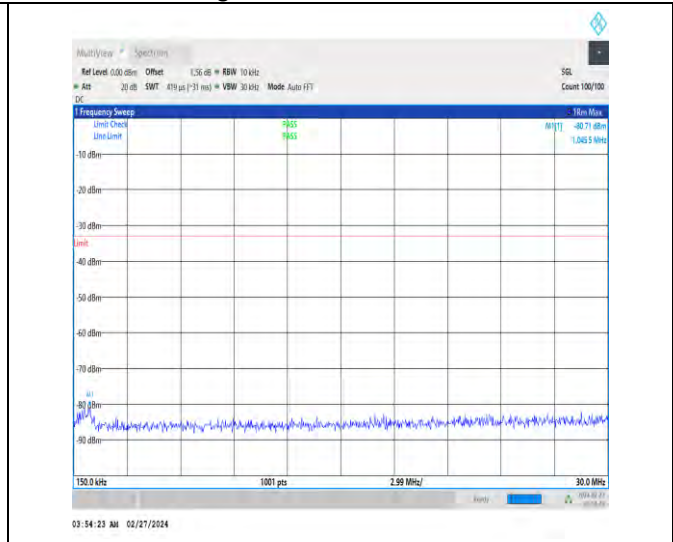
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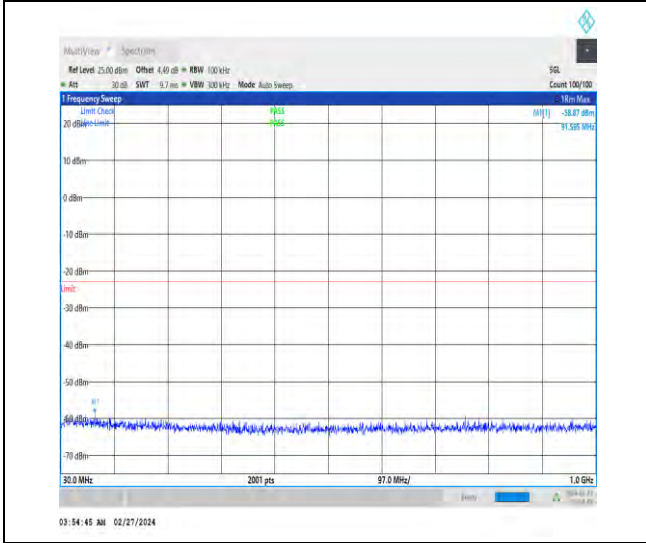
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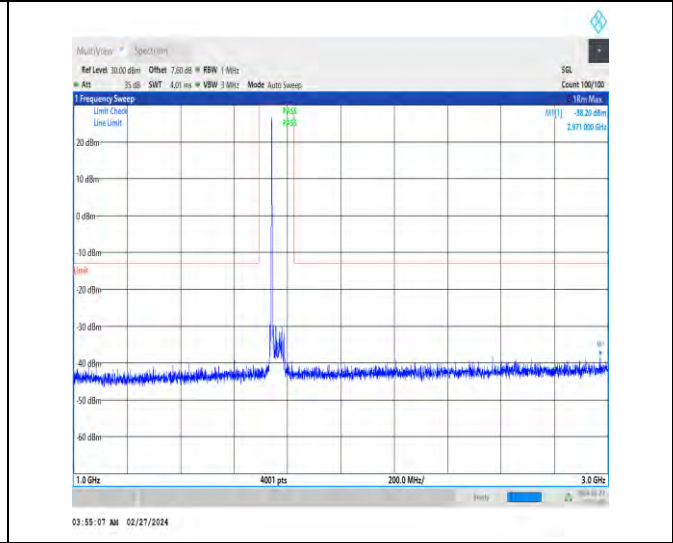
1-N66-15-40-H-1-DFT-PI2BPSK-Inner_1RB_Left-1 @ 1-0.009-0.15-Ant4-0.14--87.14--43-PASS



1-N66-15-40-H-1-DFT-PI2BPSK-Inner_1RB_Left-1 @ 1-0.15-30-Ant4-1.05--80.71--33-PASS



1-N66-15-40-H-1-DFT-PI2BPSK-Inner_1RB_Left-1 @ 1-30-1000-Ant4-91.60--58.87--23-PASS



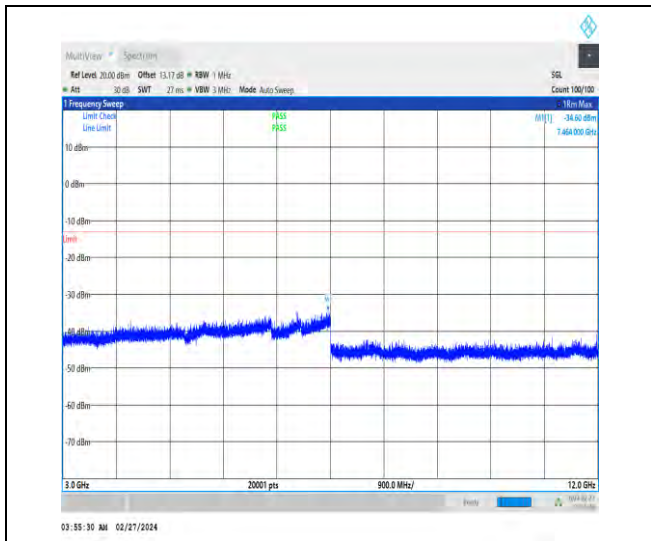
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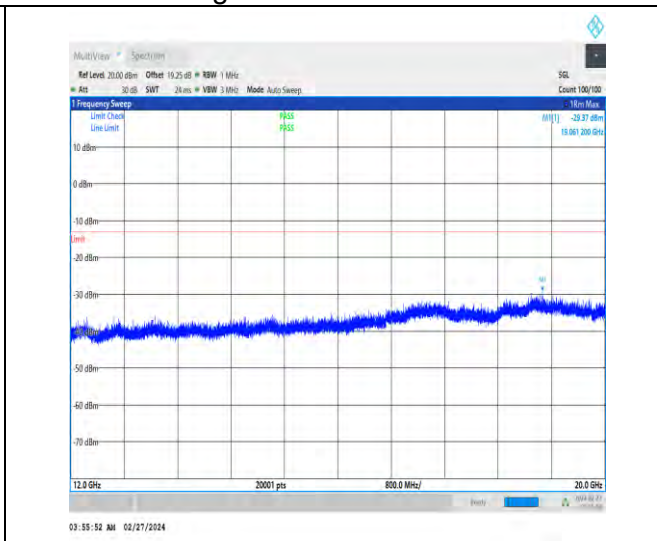
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1-N66-15-40-H-1-DFT-PI2BPSK-Inner_1RB_Left-1
@1-3000-12000-Ant4-7464.00--34.60--13-PASS



1-N66-15-40-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-12000-20000-Ant4-19061.20--29.37--13-PASS



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Field Strength of Spurious Radiation

Test Band = SA_N66

Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3421.5211	57.21	-50.16	29.71	-58.50	-13.00	45.50	Horizontal
2	5131.6066	65.69	-47.10	33.56	-43.11	-13.00	30.11	Horizontal
3	7485.9743	50.49	-43.27	36.63	-51.41	-13.00	38.41	Horizontal
4	8553.2777	50.68	-42.28	39.04	-47.82	-13.00	34.82	Horizontal
5	11923.1962	47.70	-38.07	39.48	-46.15	-13.00	33.15	Horizontal
6	15005.1003	48.63	-38.80	39.89	-45.54	-13.00	32.54	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3421.5211	56.40	-50.16	29.71	-59.31	-13.00	46.31	Vertical
2	5131.6066	65.65	-47.10	33.56	-43.15	-13.00	30.15	Vertical
3	7493.4747	50.47	-43.22	36.61	-51.40	-13.00	38.40	Vertical
4	8553.2777	50.54	-42.28	39.04	-47.96	-13.00	34.96	Vertical
5	12049.9525	47.98	-38.29	39.30	-46.27	-13.00	33.27	Vertical
6	17982.7491	49.63	-43.77	42.70	-46.70	-13.00	33.70	Vertical



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Test Band = SA_N66
 Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3451.5226	57.63	-50.08	29.61	-58.10	-13.00	45.10	Horizontal
2	5177.3589	65.01	-46.69	32.89	-44.05	-13.00	31.05	Horizontal
3	7113.2057	50.22	-43.87	36.95	-51.96	-13.00	38.96	Horizontal
4	8628.2814	50.75	-42.57	38.26	-48.82	-13.00	35.82	Horizontal
5	12202.2101	48.05	-37.97	39.50	-45.68	-13.00	32.68	Horizontal
6	17901.7451	49.48	-42.98	42.21	-46.55	-13.00	33.55	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3451.5226	56.56	-50.08	29.61	-59.17	-13.00	46.17	Vertical
2	5177.3589	64.80	-46.69	32.89	-44.26	-13.00	31.26	Vertical
3	8628.2814	53.79	-42.57	38.26	-45.78	-13.00	32.78	Vertical
4	11371.1686	48.32	-39.29	39.67	-46.56	-13.00	33.56	Vertical
5	15047.8524	48.93	-39.13	39.85	-45.61	-13.00	32.61	Vertical
6	17971.4986	49.42	-43.50	42.63	-46.71	-13.00	33.71	Vertical



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Test Band = SA_N66

Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3481.5241	64.51	-49.44	29.73	-50.46	-13.00	37.46	Horizontal
2	5221.6111	76.64	-46.44	32.78	-32.28	-13.00	19.28	Horizontal
3	6958.6979	50.96	-44.41	36.42	-52.29	-13.00	39.29	Horizontal
4	9461.5731	49.32	-41.38	39.05	-48.27	-13.00	35.27	Horizontal
5	12040.202	46.69	-38.37	39.32	-47.62	-13.00	34.62	Horizontal
6	17900.995	47.41	-42.98	42.21	-48.62	-13.00	35.62	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3481.5241	55.21	-49.44	29.73	-59.76	-13.00	46.76	Vertical
2	5221.6111	70.44	-46.44	32.78	-38.48	-13.00	25.48	Vertical
3	7458.9729	50.05	-43.47	36.68	-52.00	-13.00	39.00	Vertical
4	9460.823	49.37	-41.38	39.04	-48.23	-13.00	35.23	Vertical
5	15003.6002	47.11	-38.79	39.90	-47.04	-13.00	34.04	Vertical
6	17902.4951	47.20	-42.98	42.21	-48.83	-13.00	35.83	Vertical



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Test Band = NSA_B13+N66

Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2339.6675	66.74	-18.52	27.84	-19.20	-13.00	6.20	Horizontal
2	3420.771	67.65	-50.16	29.72	-48.05	-13.00	35.05	Horizontal
3	3899.295	75.18	-49.04	30.60	-38.52	-13.00	25.52	Horizontal
4	5131.6066	76.29	-47.10	33.56	-32.51	-13.00	19.51	Horizontal
5	5459.373	72.52	-45.53	33.34	-34.93	-13.00	21.93	Horizontal
6	7018.7009	59.02	-44.53	36.43	-44.34	-13.00	31.34	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2339.4174	65.24	-18.51	27.84	-20.69	-13.00	7.69	Vertical
2	3420.771	60.37	-50.16	29.72	-55.33	-13.00	42.33	Vertical
3	3898.5449	79.89	-49.05	30.59	-33.83	-13.00	20.83	Vertical
4	5131.6066	69.11	-47.10	33.56	-39.69	-13.00	26.69	Vertical
5	5458.6229	66.62	-45.53	33.35	-40.82	-13.00	27.82	Vertical
6	7018.7009	59.38	-44.53	36.43	-43.98	-13.00	30.98	Vertical



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Test Band = NSA_B13+N66

Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2339.6675	69.15	-18.52	27.84	-16.79	-13.00	3.79	Horizontal
2	3471.0236	64.63	-49.66	29.68	-50.61	-13.00	37.61	Horizontal
3	3898.5449	74.05	-49.05	30.59	-39.67	-13.00	26.67	Horizontal
4	5206.6103	74.79	-46.42	32.45	-34.44	-13.00	21.44	Horizontal
5	5458.6229	71.68	-45.53	33.35	-35.76	-13.00	22.76	Horizontal
6	9439.072	49.97	-41.34	38.93	-47.70	-13.00	34.70	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2339.6675	64.90	-18.52	27.84	-21.04	-13.00	8.04	Vertical
2	3119.256	58.15	-50.28	30.18	-57.21	-13.00	44.21	Vertical
3	3471.0236	57.78	-49.66	29.68	-57.46	-13.00	44.46	Vertical
4	3898.5449	67.87	-49.05	30.59	-45.85	-13.00	32.85	Vertical
5	5206.6103	64.54	-46.42	32.45	-44.69	-13.00	31.69	Vertical
6	5458.6229	65.72	-45.53	33.35	-41.72	-13.00	28.72	Vertical



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Test Band = NSA_B13+N66

Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2339.4174	66.06	-18.51	27.84	-19.87	-13.00	6.87	Horizontal
2	3521.2761	63.69	-49.32	29.93	-50.96	-13.00	37.96	Horizontal
3	3899.295	83.51	-49.04	30.60	-30.19	-13.00	17.19	Horizontal
4	5281.6141	80.47	-46.61	33.27	-28.13	-13.00	15.13	Horizontal
5	5458.6229	69.74	-45.53	33.35	-37.70	-13.00	24.70	Horizontal
6	7018.7009	62.90	-44.53	36.43	-40.46	-13.00	27.46	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2339.6675	66.31	-18.52	27.84	-19.63	-13.00	6.63	Vertical
2	3521.2761	59.35	-49.32	29.93	-55.30	-13.00	42.30	Vertical
3	3899.295	81.03	-49.04	30.60	-32.67	-13.00	19.67	Vertical
4	5281.6141	73.54	-46.61	33.27	-35.06	-13.00	22.06	Vertical
5	5458.6229	68.66	-45.53	33.35	-38.78	-13.00	25.78	Vertical
6	7017.9509	59.12	-44.52	36.43	-44.23	-13.00	31.23	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) - Pre-amplifier (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	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N66	15	40	DFT-PI2BPSK	M	Outer_Full	VH	NT	3.300000	0.001891	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	VN	NT	4.500000	0.002579	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	VL	NT	2.200000	0.001261	PASS
N66	15	40	CP-QPSK	M	Outer_Full	VH	NT	1.700000	0.000974	PASS
N66	15	40	CP-QPSK	M	Outer_Full	VN	NT	0.000000	0.000000	PASS
N66	15	40	CP-QPSK	M	Outer_Full	VL	NT	-1.500000	-0.000860	PASS



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Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	-30	4.300000	0.002464	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	-20	4.100000	0.002350	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	-10	4.400000	0.002521	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	0	-0.500000	-0.000287	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	10	1.600000	0.000917	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	20	2.500000	0.001433	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	30	4.400000	0.002521	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	40	3.900000	0.002235	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	50	1.600000	0.000917	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	-30	0.400000	0.000229	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	-20	0.900000	0.000516	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	-10	2.800000	0.001605	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	0	1.700000	0.000974	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	10	2.100000	0.001203	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	20	1.700000	0.000974	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	30	2.600000	0.001490	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	40	3.600000	0.002063	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	50	-0.200000	-0.000115	PASS

---End of Attachment---



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