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Appendix B.36

NR Band n38



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Effective (Isotropic) Radiated Power Output Data for SA

Test ResultAnt1

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
N38	30	10	DFT-PI2BPSK	L	Inner_1RB_Left	26.14	26.91	33	PASS
N38	30	10	DFT-PI2BPSK	L	Inner_1RB_Right	26.13	26.9	33	PASS
N38	30	10	DFT-PI2BPSK	L	Outer_Full	25.55	26.32	33	PASS
N38	30	10	DFT-QPSK	L	Inner_1RB_Left	25.96	26.73	33	PASS
N38	30	10	DFT-QPSK	L	Inner_1RB_Right	26.03	26.8	33	PASS
N38	30	10	DFT-QPSK	L	Outer_Full	25.18	25.95	33	PASS
N38	30	10	DFT-16QAM	L	Inner_1RB_Left	25.29	26.06	33	PASS
N38	30	10	DFT-16QAM	L	Inner_1RB_Right	25.19	25.96	33	PASS
N38	30	10	DFT-16QAM	L	Outer_Full	24.15	24.92	33	PASS
N38	30	10	DFT-64QAM	L	Inner_1RB_Left	23.16	23.93	33	PASS
N38	30	10	DFT-64QAM	L	Inner_1RB_Right	23.25	24.02	33	PASS
N38	30	10	DFT-64QAM	L	Outer_Full	23.53	24.3	33	PASS
N38	30	10	DFT-256QAM	L	Inner_1RB_Left	21.75	22.52	33	PASS
N38	30	10	DFT-256QAM	L	Inner_1RB_Right	21.92	22.69	33	PASS
N38	30	10	DFT-256QAM	L	Outer_Full	21.44	22.21	33	PASS
N38	30	10	DFT-PI2BPSK	M	Inner_1RB_Left	26.32	27.09	33	PASS
N38	30	10	DFT-PI2BPSK	M	Inner_1RB_Right	26.32	27.09	33	PASS
N38	30	10	DFT-PI2BPSK	M	Outer_Full	25.87	26.64	33	PASS
N38	30	10	DFT-QPSK	M	Inner_1RB_Left	26.24	27.01	33	PASS
N38	30	10	DFT-QPSK	M	Inner_1RB_Right	26.14	26.91	33	PASS
N38	30	10	DFT-QPSK	M	Outer_Full	25.23	26	33	PASS
N38	30	10	DFT-16QAM	M	Inner_1RB_Left	25.25	26.02	33	PASS
N38	30	10	DFT-16QAM	M	Inner_1RB_Right	25.46	26.23	33	PASS
N38	30	10	DFT-16QAM	M	Outer_Full	24.34	25.11	33	PASS
N38	30	10	DFT-64QAM	M	Inner_1RB_Left	23.34	24.11	33	PASS



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N38	30	10	DFT-64QAM	M	Inner_1RB_Right	23.45	24.22	33	PASS
N38	30	10	DFT-64QAM	M	Outer_Full	23.68	24.45	33	PASS
N38	30	10	DFT-256QAM	M	Inner_1RB_Left	22	22.77	33	PASS
N38	30	10	DFT-256QAM	M	Inner_1RB_Right	22.04	22.81	33	PASS
N38	30	10	DFT-256QAM	M	Outer_Full	21.9	22.67	33	PASS
N38	30	10	DFT-PI2BPSK	H	Inner_1RB_Left	26.05	26.82	33	PASS
N38	30	10	DFT-PI2BPSK	H	Inner_1RB_Right	26.22	26.99	33	PASS
N38	30	10	DFT-PI2BPSK	H	Outer_Full	25.72	26.49	33	PASS
N38	30	10	DFT-QPSK	H	Inner_1RB_Left	25.99	26.76	33	PASS
N38	30	10	DFT-QPSK	H	Inner_1RB_Right	26.22	26.99	33	PASS
N38	30	10	DFT-QPSK	H	Outer_Full	25.34	26.11	33	PASS
N38	30	10	DFT-16QAM	H	Inner_1RB_Left	25.25	26.02	33	PASS
N38	30	10	DFT-16QAM	H	Inner_1RB_Right	25.41	26.18	33	PASS
N38	30	10	DFT-16QAM	H	Outer_Full	24.24	25.01	33	PASS
N38	30	10	DFT-64QAM	H	Inner_1RB_Left	23.45	24.22	33	PASS
N38	30	10	DFT-64QAM	H	Inner_1RB_Right	23.59	24.36	33	PASS
N38	30	10	DFT-64QAM	H	Outer_Full	23.77	24.54	33	PASS
N38	30	10	DFT-256QAM	H	Inner_1RB_Left	22	22.77	33	PASS
N38	30	10	DFT-256QAM	H	Inner_1RB_Right	22.09	22.86	33	PASS
N38	30	10	DFT-256QAM	H	Outer_Full	21.73	22.5	33	PASS
N38	30	15	DFT-PI2BPSK	L	Inner_1RB_Left	26.07	26.84	33	PASS
N38	30	15	DFT-PI2BPSK	L	Inner_1RB_Right	26.1	26.87	33	PASS
N38	30	15	DFT-PI2BPSK	L	Outer_Full	25.66	26.43	33	PASS
N38	30	15	DFT-QPSK	L	Inner_1RB_Left	25.77	26.54	33	PASS
N38	30	15	DFT-QPSK	L	Inner_1RB_Right	26.06	26.83	33	PASS
N38	30	15	DFT-QPSK	L	Outer_Full	25.08	25.85	33	PASS
N38	30	15	DFT-16QAM	L	Inner_1RB_Left	25.04	25.81	33	PASS
N38	30	15	DFT-16QAM	L	Inner_1RB_Right	25.27	26.04	33	PASS
N38	30	15	DFT-16QAM	L	Outer_Full	24.01	24.78	33	PASS
N38	30	15	DFT-64QAM	L	Inner_1RB_Left	23.14	23.91	33	PASS
N38	30	15	DFT-64QAM	L	Inner_1RB_Right	23.49	24.26	33	PASS



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N38	30	15	DFT-64QAM	L	Outer_Full	23.6	24.37	33	PASS
N38	30	15	DFT-256QAM	L	Inner_1RB_Left	21.86	22.63	33	PASS
N38	30	15	DFT-256QAM	L	Inner_1RB_Right	22	22.77	33	PASS
N38	30	15	DFT-256QAM	L	Outer_Full	21.63	22.4	33	PASS
N38	30	15	DFT-PI2BPSK	M	Inner_1RB_Left	26.12	26.89	33	PASS
N38	30	15	DFT-PI2BPSK	M	Inner_1RB_Right	26.22	26.99	33	PASS
N38	30	15	DFT-PI2BPSK	M	Outer_Full	25.68	26.45	33	PASS
N38	30	15	DFT-QPSK	M	Inner_1RB_Left	26.19	26.96	33	PASS
N38	30	15	DFT-QPSK	M	Inner_1RB_Right	26.05	26.82	33	PASS
N38	30	15	DFT-QPSK	M	Outer_Full	25.32	26.09	33	PASS
N38	30	15	DFT-16QAM	M	Inner_1RB_Left	25.24	26.01	33	PASS
N38	30	15	DFT-16QAM	M	Inner_1RB_Right	25.19	25.96	33	PASS
N38	30	15	DFT-16QAM	M	Outer_Full	24.28	25.05	33	PASS
N38	30	15	DFT-64QAM	M	Inner_1RB_Left	23.34	24.11	33	PASS
N38	30	15	DFT-64QAM	M	Inner_1RB_Right	23.57	24.34	33	PASS
N38	30	15	DFT-64QAM	M	Outer_Full	23.72	24.49	33	PASS
N38	30	15	DFT-256QAM	M	Inner_1RB_Left	22.2	22.97	33	PASS
N38	30	15	DFT-256QAM	M	Inner_1RB_Right	22.09	22.86	33	PASS
N38	30	15	DFT-256QAM	M	Outer_Full	21.73	22.5	33	PASS
N38	30	15	DFT-PI2BPSK	H	Inner_1RB_Left	26.27	27.04	33	PASS
N38	30	15	DFT-PI2BPSK	H	Inner_1RB_Right	26.21	26.98	33	PASS
N38	30	15	DFT-PI2BPSK	H	Outer_Full	25.74	26.51	33	PASS
N38	30	15	DFT-QPSK	H	Inner_1RB_Left	26.19	26.96	33	PASS
N38	30	15	DFT-QPSK	H	Inner_1RB_Right	26.25	27.02	33	PASS
N38	30	15	DFT-QPSK	H	Outer_Full	25.39	26.16	33	PASS
N38	30	15	DFT-16QAM	H	Inner_1RB_Left	25.38	26.15	33	PASS
N38	30	15	DFT-16QAM	H	Inner_1RB_Right	25.32	26.09	33	PASS
N38	30	15	DFT-16QAM	H	Outer_Full	24.26	25.03	33	PASS
N38	30	15	DFT-64QAM	H	Inner_1RB_Left	23.34	24.11	33	PASS
N38	30	15	DFT-64QAM	H	Inner_1RB_Right	23.51	24.28	33	PASS
N38	30	15	DFT-64QAM	H	Outer_Full	23.85	24.62	33	PASS



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N38	30	15	DFT-256QAM	H	Inner_1RB_Left	21.9	22.67	33	PASS
N38	30	15	DFT-256QAM	H	Inner_1RB_Right	22	22.77	33	PASS
N38	30	15	DFT-256QAM	H	Outer_Full	21.78	22.55	33	PASS
N38	30	20	DFT-PI2BPSK	L	Inner_1RB_Left	26.03	26.8	33	PASS
N38	30	20	DFT-PI2BPSK	L	Inner_1RB_Right	26.13	26.9	33	PASS
N38	30	20	DFT-PI2BPSK	L	Outer_Full	25.6	26.37	33	PASS
N38	30	20	DFT-QPSK	L	Inner_1RB_Left	26.03	26.8	33	PASS
N38	30	20	DFT-QPSK	L	Inner_1RB_Right	26.05	26.82	33	PASS
N38	30	20	DFT-QPSK	L	Outer_Full	25.11	25.88	33	PASS
N38	30	20	DFT-16QAM	L	Inner_1RB_Left	24.98	25.75	33	PASS
N38	30	20	DFT-16QAM	L	Inner_1RB_Right	25.19	25.96	33	PASS
N38	30	20	DFT-16QAM	L	Outer_Full	24.09	24.86	33	PASS
N38	30	20	DFT-64QAM	L	Inner_1RB_Left	23.22	23.99	33	PASS
N38	30	20	DFT-64QAM	L	Inner_1RB_Right	23.45	24.22	33	PASS
N38	30	20	DFT-64QAM	L	Outer_Full	23.52	24.29	33	PASS
N38	30	20	DFT-256QAM	L	Inner_1RB_Left	21.68	22.45	33	PASS
N38	30	20	DFT-256QAM	L	Inner_1RB_Right	21.97	22.74	33	PASS
N38	30	20	DFT-256QAM	L	Outer_Full	21.67	22.44	33	PASS
N38	30	20	DFT-PI2BPSK	M	Inner_1RB_Left	26.01	26.78	33	PASS
N38	30	20	DFT-PI2BPSK	M	Inner_1RB_Right	26.26	27.03	33	PASS
N38	30	20	DFT-PI2BPSK	M	Outer_Full	25.77	26.54	33	PASS
N38	30	20	DFT-QPSK	M	Inner_1RB_Left	25.97	26.74	33	PASS
N38	30	20	DFT-QPSK	M	Inner_1RB_Right	26.09	26.86	33	PASS
N38	30	20	DFT-QPSK	M	Outer_Full	25.4	26.17	33	PASS
N38	30	20	DFT-16QAM	M	Inner_1RB_Left	25.14	25.91	33	PASS
N38	30	20	DFT-16QAM	M	Inner_1RB_Right	25.32	26.09	33	PASS
N38	30	20	DFT-16QAM	M	Outer_Full	24.25	25.02	33	PASS
N38	30	20	DFT-64QAM	M	Inner_1RB_Left	23.28	24.05	33	PASS
N38	30	20	DFT-64QAM	M	Inner_1RB_Right	23.57	24.34	33	PASS
N38	30	20	DFT-64QAM	M	Outer_Full	23.9	24.67	33	PASS
N38	30	20	DFT-256QAM	M	Inner_1RB_Left	21.81	22.58	33	PASS



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N38	30	20	DFT-256QAM	M	Inner_1RB_Right	22.32	23.09	33	PASS
N38	30	20	DFT-256QAM	M	Outer_Full	21.82	22.59	33	PASS
N38	30	20	DFT-PI2BPSK	H	Inner_1RB_Left	26.25	27.02	33	PASS
N38	30	20	DFT-PI2BPSK	H	Inner_1RB_Right	26.35	27.12	33	PASS
N38	30	20	DFT-PI2BPSK	H	Outer_Full	25.83	26.6	33	PASS
N38	30	20	DFT-QPSK	H	Inner_1RB_Left	26.13	26.9	33	PASS
N38	30	20	DFT-QPSK	H	Inner_1RB_Right	26.16	26.93	33	PASS
N38	30	20	DFT-QPSK	H	Outer_Full	25.42	26.19	33	PASS
N38	30	20	DFT-16QAM	H	Inner_1RB_Left	25.28	26.05	33	PASS
N38	30	20	DFT-16QAM	H	Inner_1RB_Right	25.2	25.97	33	PASS
N38	30	20	DFT-16QAM	H	Outer_Full	24.36	25.13	33	PASS
N38	30	20	DFT-64QAM	H	Inner_1RB_Left	23.38	24.15	33	PASS
N38	30	20	DFT-64QAM	H	Inner_1RB_Right	23.37	24.14	33	PASS
N38	30	20	DFT-64QAM	H	Outer_Full	23.7	24.47	33	PASS
N38	30	20	DFT-256QAM	H	Inner_1RB_Left	21.92	22.69	33	PASS
N38	30	20	DFT-256QAM	H	Inner_1RB_Right	22.13	22.9	33	PASS
N38	30	20	DFT-256QAM	H	Outer_Full	21.89	22.66	33	PASS
N38	30	40	DFT-PI2BPSK	L	Inner_1RB_Left	25.78	26.55	33	PASS
N38	30	40	DFT-PI2BPSK	L	Inner_1RB_Right	26.19	26.96	33	PASS
N38	30	40	DFT-PI2BPSK	L	Outer_Full	25.48	26.25	33	PASS
N38	30	40	DFT-QPSK	L	Inner_1RB_Left	22.38	23.15	33	PASS
N38	30	40	DFT-QPSK	L	Inner_1RB_Right	26.15	26.92	33	PASS
N38	30	40	DFT-QPSK	L	Outer_Full	25.05	25.82	33	PASS
N38	30	40	DFT-16QAM	L	Inner_1RB_Left	24.87	25.64	33	PASS
N38	30	40	DFT-16QAM	L	Inner_1RB_Right	25.08	25.85	33	PASS
N38	30	40	DFT-16QAM	L	Outer_Full	24.18	24.95	33	PASS
N38	30	40	DFT-64QAM	L	Inner_1RB_Left	23.01	23.78	33	PASS
N38	30	40	DFT-64QAM	L	Inner_1RB_Right	23.33	24.1	33	PASS
N38	30	40	DFT-64QAM	L	Outer_Full	23.58	24.35	33	PASS
N38	30	40	DFT-256QAM	L	Inner_1RB_Left	21.64	22.41	33	PASS
N38	30	40	DFT-256QAM	L	Inner_1RB_Right	21.82	22.59	33	PASS



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N38	30	40	DFT-256QAM	L	Outer_Full	21.56	22.33	33	PASS
N38	30	40	DFT-PI2BPSK	M	Inner_1RB_Left	25.9	26.67	33	PASS
N38	30	40	DFT-PI2BPSK	M	Inner_1RB_Right	26.17	26.94	33	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	25.67	26.44	33	PASS
N38	30	40	DFT-QPSK	M	Inner_1RB_Left	25.86	26.63	33	PASS
N38	30	40	DFT-QPSK	M	Inner_1RB_Right	26.22	26.99	33	PASS
N38	30	40	DFT-QPSK	M	Outer_Full	25.16	25.93	33	PASS
N38	30	40	DFT-16QAM	M	Inner_1RB_Left	24.95	25.72	33	PASS
N38	30	40	DFT-16QAM	M	Inner_1RB_Right	25.23	26	33	PASS
N38	30	40	DFT-16QAM	M	Outer_Full	24.2	24.97	33	PASS
N38	30	40	DFT-64QAM	M	Inner_1RB_Left	23.07	23.84	33	PASS
N38	30	40	DFT-64QAM	M	Inner_1RB_Right	23.29	24.06	33	PASS
N38	30	40	DFT-64QAM	M	Outer_Full	23.72	24.49	33	PASS
N38	30	40	DFT-256QAM	M	Inner_1RB_Left	21.72	22.49	33	PASS
N38	30	40	DFT-256QAM	M	Inner_1RB_Right	21.93	22.7	33	PASS
N38	30	40	DFT-256QAM	M	Outer_Full	21.8	22.57	33	PASS
N38	30	40	DFT-PI2BPSK	H	Inner_1RB_Left	26	26.77	33	PASS
N38	30	40	DFT-PI2BPSK	H	Inner_1RB_Right	26.18	26.95	33	PASS
N38	30	40	DFT-PI2BPSK	H	Outer_Full	25.78	26.55	33	PASS
N38	30	40	DFT-QPSK	H	Inner_1RB_Left	25.81	26.58	33	PASS
N38	30	40	DFT-QPSK	H	Inner_1RB_Right	26.25	27.02	33	PASS
N38	30	40	DFT-QPSK	H	Outer_Full	25.23	26	33	PASS
N38	30	40	DFT-16QAM	H	Inner_1RB_Left	25.05	25.82	33	PASS
N38	30	40	DFT-16QAM	H	Inner_1RB_Right	25.22	25.99	33	PASS
N38	30	40	DFT-16QAM	H	Outer_Full	24.27	25.04	33	PASS
N38	30	40	DFT-64QAM	H	Inner_1RB_Left	23.29	24.06	33	PASS
N38	30	40	DFT-64QAM	H	Inner_1RB_Right	23.39	24.16	33	PASS
N38	30	40	DFT-64QAM	H	Outer_Full	23.81	24.58	33	PASS
N38	30	40	DFT-256QAM	H	Inner_1RB_Left	21.7	22.47	33	PASS
N38	30	40	DFT-256QAM	H	Inner_1RB_Right	22.01	22.78	33	PASS
N38	30	40	DFT-256QAM	H	Outer_Full	21.84	22.61	33	PASS



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**Effective (Isotropic) Radiated Power Output Data for MIMO****Test Result**

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power Ant1 (dBm)	Power Ant7 (dBm)	Total Power (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
N38	30	10	DFT-BPSK	L	Inner_1RB_Left	22.75	22.45	25.61	27.3	33	PASS
N38	30	10	DFT-BPSK	L	Inner_1RB_Right	22.86	22.6	25.74	27.43	33	PASS
N38	30	10	DFT-BPSK	L	Outer_Full	21.83	21.61	24.73	26.42	33	PASS
N38	30	10	DFT-16QAM	L	Inner_1RB_Left	21.68	21.42	24.56	26.25	33	PASS
N38	30	10	DFT-16QAM	L	Inner_1RB_Right	21.8	21.56	24.69	26.38	33	PASS
N38	30	10	DFT-16QAM	L	Outer_Full	20.84	20.54	23.70	25.39	33	PASS
N38	30	10	DFT-64QAM	L	Inner_1RB_Left	20.08	19.93	23.02	24.71	33	PASS
N38	30	10	DFT-64QAM	L	Inner_1RB_Right	20.2	20.05	23.14	24.83	33	PASS
N38	30	10	DFT-64QAM	L	Outer_Full	20.31	20.06	23.20	24.89	33	PASS
N38	30	10	DFT- 256QAM	L	Inner_1RB_Left	18.58	17.95	21.29	22.98	33	PASS
N38	30	10	DFT- 256QAM	L	Inner_1RB_Right	18.6	18.02	21.33	23.02	33	PASS
N38	30	10	DFT- 256QAM	L	Outer_Full	18.75	17.99	21.40	23.09	33	PASS
N38	30	10	DFT-BPSK	M	Inner_1RB_Left	22.82	22.55	25.7	27.39	33	PASS
N38	30	10	DFT-BPSK	M	Inner_1RB_Right	22.78	22.57	25.69	27.38	33	PASS
N38	30	10	DFT-BPSK	M	Outer_Full	21.76	21.63	24.71	26.4	33	PASS
N38	30	10	DFT-16QAM	M	Inner_1RB_Left	21.76	21.54	24.66	26.35	33	PASS
N38	30	10	DFT-16QAM	M	Inner_1RB_Right	21.67	21.58	24.64	26.33	33	PASS
N38	30	10	DFT-16QAM	M	Outer_Full	20.75	20.56	23.67	25.36	33	PASS
N38	30	10	DFT-64QAM	M	Inner_1RB_Left	20.23	19.99	23.12	24.81	33	PASS
N38	30	10	DFT-64QAM	M	Inner_1RB_Right	20.06	19.95	23.02	24.71	33	PASS
N38	30	10	DFT-64QAM	M	Outer_Full	20.22	20.08	23.16	24.85	33	PASS
N38	30	10	DFT- 256QAM	M	Inner_1RB_Left	18.55	18	21.29	22.98	33	PASS
N38	30	10	DFT- 256QAM	M	Inner_1RB_Right	18.5	17.97	21.25	22.94	33	PASS
N38	30	10	DFT- 256QAM	M	Outer_Full	18.66	18.02	21.36	23.05	33	PASS



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N38	30	10	DFT-BPSK	H	Inner_1RB_Left	22.68	22.54	25.62	27.31	33	PASS
N38	30	10	DFT-BPSK	H	Inner_1RB_Right	22.86	22.69	25.79	27.48	33	PASS
N38	30	10	DFT-BPSK	H	Outer_Full	21.78	21.68	24.74	26.43	33	PASS
N38	30	10	DFT-16QAM	H	Inner_1RB_Left	21.6	21.4	24.51	26.2	33	PASS
N38	30	10	DFT-16QAM	H	Inner_1RB_Right	21.75	21.65	24.71	26.4	33	PASS
N38	30	10	DFT-16QAM	H	Outer_Full	20.75	20.57	23.67	25.36	33	PASS
N38	30	10	DFT-64QAM	H	Inner_1RB_Left	19.99	19.93	22.97	24.66	33	PASS
N38	30	10	DFT-64QAM	H	Inner_1RB_Right	20.22	20.08	23.16	24.85	33	PASS
N38	30	10	DFT-64QAM	H	Outer_Full	20.21	20.08	23.16	24.85	33	PASS
N38	30	10	DFT-256QAM	H	Inner_1RB_Left	18.49	17.93	21.23	22.92	33	PASS
N38	30	10	DFT-256QAM	H	Inner_1RB_Right	18.51	18.08	21.31	23	33	PASS
N38	30	10	DFT-256QAM	H	Outer_Full	18.64	18.12	21.40	23.09	33	PASS
N38	30	15	DFT-BPSK	L	Inner_1RB_Left	22.76	22.52	25.65	27.34	33	PASS
N38	30	15	DFT-BPSK	L	Inner_1RB_Right	22.88	22.73	25.82	27.51	33	PASS
N38	30	15	DFT-BPSK	L	Outer_Full	21.81	21.66	24.75	26.44	33	PASS
N38	30	15	DFT-16QAM	L	Inner_1RB_Left	21.64	21.38	24.52	26.21	33	PASS
N38	30	15	DFT-16QAM	L	Inner_1RB_Right	21.8	21.6	24.71	26.4	33	PASS
N38	30	15	DFT-16QAM	L	Outer_Full	20.84	20.64	23.75	25.44	33	PASS
N38	30	15	DFT-64QAM	L	Inner_1RB_Left	20.07	19.85	22.97	24.66	33	PASS
N38	30	15	DFT-64QAM	L	Inner_1RB_Right	20.39	20.21	23.31	25	33	PASS
N38	30	15	DFT-64QAM	L	Outer_Full	20.34	20.11	23.24	24.93	33	PASS
N38	30	15	DFT-256QAM	L	Inner_1RB_Left	18.51	17.88	21.22	22.91	33	PASS
N38	30	15	DFT-256QAM	L	Inner_1RB_Right	18.65	18.01	21.35	23.04	33	PASS
N38	30	15	DFT-256QAM	L	Outer_Full	18.73	18.02	21.40	23.09	33	PASS
N38	30	15	DFT-BPSK	M	Inner_1RB_Left	22.82	22.64	25.74	27.43	33	PASS
N38	30	15	DFT-BPSK	M	Inner_1RB_Right	22.65	22.57	25.62	27.31	33	PASS
N38	30	15	DFT-BPSK	M	Outer_Full	21.8	21.64	24.73	26.42	33	PASS
N38	30	15	DFT-16QAM	M	Inner_1RB_Left	21.73	21.61	24.68	26.37	33	PASS
N38	30	15	DFT-16QAM	M	Inner_1RB_Right	21.55	21.59	24.58	26.27	33	PASS
N38	30	15	DFT-16QAM	M	Outer_Full	20.76	20.63	23.71	25.4	33	PASS
N38	30	15	DFT-64QAM	M	Inner_1RB_Left	20.31	20.06	23.20	24.89	33	PASS



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N38	30	15	DFT-64QAM	M	Inner_1RB_Right	20.22	20	23.12	24.81	33	PASS
N38	30	15	DFT-64QAM	M	Outer_Full	20.3	20.13	23.23	24.92	33	PASS
N38	30	15	DFT-256QAM	M	Inner_1RB_Left	18.61	17.97	21.31	23	33	PASS
N38	30	15	DFT-256QAM	M	Inner_1RB_Right	18.49	17.98	21.25	22.94	33	PASS
N38	30	15	DFT-256QAM	M	Outer_Full	18.69	18.08	21.41	23.1	33	PASS
N38	30	15	DFT-BPSK	H	Inner_1RB_Left	22.5	22.41	25.47	27.16	33	PASS
N38	30	15	DFT-BPSK	H	Inner_1RB_Right	22.82	22.71	25.78	27.47	33	PASS
N38	30	15	DFT-BPSK	H	Outer_Full	21.7	21.6	24.66	26.35	33	PASS
N38	30	15	DFT-16QAM	H	Inner_1RB_Left	21.55	21.33	24.45	26.14	33	PASS
N38	30	15	DFT-16QAM	H	Inner_1RB_Right	21.83	21.67	24.76	26.45	33	PASS
N38	30	15	DFT-16QAM	H	Outer_Full	20.71	20.58	23.66	25.35	33	PASS
N38	30	15	DFT-64QAM	H	Inner_1RB_Left	19.93	19.8	22.88	24.57	33	PASS
N38	30	15	DFT-64QAM	H	Inner_1RB_Right	20.21	20.1	23.17	24.86	33	PASS
N38	30	15	DFT-64QAM	H	Outer_Full	20.21	20.06	23.15	24.84	33	PASS
N38	30	15	DFT-256QAM	H	Inner_1RB_Left	18.48	17.9	21.21	22.9	33	PASS
N38	30	15	DFT-256QAM	H	Inner_1RB_Right	18.43	18.12	21.29	22.98	33	PASS
N38	30	15	DFT-256QAM	H	Outer_Full	18.57	17.98	21.30	22.99	33	PASS
N38	30	20	DFT-BPSK	L	Inner_1RB_Left	22.77	22.48	25.64	27.33	33	PASS
N38	30	20	DFT-BPSK	L	Inner_1RB_Right	22.87	22.7	25.8	27.49	33	PASS
N38	30	20	DFT-BPSK	L	Outer_Full	21.85	21.67	24.77	26.46	33	PASS
N38	30	20	DFT-16QAM	L	Inner_1RB_Left	21.61	21.53	24.58	26.27	33	PASS
N38	30	20	DFT-16QAM	L	Inner_1RB_Right	21.8	21.67	24.75	26.44	33	PASS
N38	30	20	DFT-16QAM	L	Outer_Full	20.82	20.64	23.74	25.43	33	PASS
N38	30	20	DFT-64QAM	L	Inner_1RB_Left	20.09	19.93	23.02	24.71	33	PASS
N38	30	20	DFT-64QAM	L	Inner_1RB_Right	20.38	20.14	23.27	24.96	33	PASS
N38	30	20	DFT-64QAM	L	Outer_Full	20.35	20.1	23.24	24.93	33	PASS
N38	30	20	DFT-256QAM	L	Inner_1RB_Left	18.55	18.03	21.31	23	33	PASS
N38	30	20	DFT-256QAM	L	Inner_1RB_Right	18.64	18.2	21.44	23.13	33	PASS
N38	30	20	DFT-	L	Outer_Full	18.73	18.05	21.41	23.1	33	PASS



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			256QAM								
N38	30	20	DFT-BPSK	M	Inner_1RB_Left	22.86	22.6	25.74	27.43	33	PASS
N38	30	20	DFT-BPSK	M	Inner_1RB_Right	22.7	22.58	25.65	27.34	33	PASS
N38	30	20	DFT-BPSK	M	Outer_Full	21.76	21.55	24.67	26.36	33	PASS
N38	30	20	DFT-16QAM	M	Inner_1RB_Left	21.82	21.53	24.69	26.38	33	PASS
N38	30	20	DFT-16QAM	M	Inner_1RB_Right	21.63	21.63	24.64	26.33	33	PASS
N38	30	20	DFT-16QAM	M	Outer_Full	20.74	20.56	23.66	25.35	33	PASS
N38	30	20	DFT-64QAM	M	Inner_1RB_Left	20.31	20.06	23.20	24.89	33	PASS
N38	30	20	DFT-64QAM	M	Inner_1RB_Right	20.14	20.23	23.20	24.89	33	PASS
N38	30	20	DFT-64QAM	M	Outer_Full	20.25	20.16	23.22	24.91	33	PASS
N38	30	20	DFT-256QAM	M	Inner_1RB_Left	18.62	17.88	21.28	22.97	33	PASS
N38	30	20	DFT-256QAM	M	Inner_1RB_Right	18.36	18.03	21.21	22.9	33	PASS
N38	30	20	DFT-256QAM	M	Outer_Full	18.6	18.04	21.34	23.03	33	PASS
N38	30	20	DFT-BPSK	H	Inner_1RB_Left	22.65	22.46	25.57	27.26	33	PASS
N38	30	20	DFT-BPSK	H	Inner_1RB_Right	22.88	22.68	25.79	27.48	33	PASS
N38	30	20	DFT-BPSK	H	Outer_Full	21.72	21.57	24.66	26.35	33	PASS
N38	30	20	DFT-16QAM	H	Inner_1RB_Left	21.67	21.45	24.57	26.26	33	PASS
N38	30	20	DFT-16QAM	H	Inner_1RB_Right	21.78	21.61	24.71	26.4	33	PASS
N38	30	20	DFT-16QAM	H	Outer_Full	20.68	20.55	23.63	25.32	33	PASS
N38	30	20	DFT-64QAM	H	Inner_1RB_Left	20.02	19.82	22.93	24.62	33	PASS
N38	30	20	DFT-64QAM	H	Inner_1RB_Right	20.15	20.06	23.12	24.81	33	PASS
N38	30	20	DFT-64QAM	H	Outer_Full	20.17	20.06	23.13	24.82	33	PASS
N38	30	20	DFT-256QAM	H	Inner_1RB_Left	18.44	17.85	21.17	22.86	33	PASS
N38	30	20	DFT-256QAM	H	Inner_1RB_Right	18.53	18.17	21.36	23.05	33	PASS
N38	30	20	DFT-256QAM	H	Outer_Full	18.59	17.97	21.30	22.99	33	PASS
N38	30	40	DFT-BPSK	L	Inner_1RB_Left	22.74	22.6	25.68	27.37	33	PASS
N38	30	40	DFT-BPSK	L	Inner_1RB_Right	22.63	22.79	25.72	27.41	33	PASS
N38	30	40	DFT-BPSK	L	Outer_Full	21.77	21.66	24.73	26.42	33	PASS
N38	30	40	DFT-16QAM	L	Inner_1RB_Left	21.67	21.55	24.62	26.31	33	PASS
N38	30	40	DFT-16QAM	L	Inner_1RB_Right	21.59	21.78	24.70	26.39	33	PASS
N38	30	40	DFT-16QAM	L	Outer_Full	20.74	20.67	23.72	25.41	33	PASS



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N38	30	40	DFT-64QAM	L	Inner_1RB_Left	20.27	19.93	23.11	24.8	33	PASS
N38	30	40	DFT-64QAM	L	Inner_1RB_Right	20	20.1	23.06	24.75	33	PASS
N38	30	40	DFT-64QAM	L	Outer_Full	20.28	20.11	23.21	24.9	33	PASS
N38	30	40	DFT-256QAM	L	Inner_1RB_Left	18.37	18.18	21.29	22.98	33	PASS
N38	30	40	DFT-256QAM	L	Inner_1RB_Right	18.3	18.36	21.34	23.03	33	PASS
N38	30	40	DFT-256QAM	L	Outer_Full	18.54	18.11	21.34	23.03	33	PASS
N38	30	40	DFT-BPSK	M	Inner_1RB_Left	22.68	22.61	25.66	27.35	33	PASS
N38	30	40	DFT-BPSK	M	Inner_1RB_Right	22.77	22.86	25.83	27.52	33	PASS
N38	30	40	DFT-BPSK	M	Outer_Full	21.76	21.66	24.72	26.41	33	PASS
N38	30	40	DFT-16QAM	M	Inner_1RB_Left	21.7	21.54	24.63	26.32	33	PASS
N38	30	40	DFT-16QAM	M	Inner_1RB_Right	21.76	21.87	24.83	26.52	33	PASS
N38	30	40	DFT-16QAM	M	Outer_Full	20.69	20.69	23.70	25.39	33	PASS
N38	30	40	DFT-64QAM	M	Inner_1RB_Left	20.18	20.09	23.15	24.84	33	PASS
N38	30	40	DFT-64QAM	M	Inner_1RB_Right	20.14	20.4	23.28	24.97	33	PASS
N38	30	40	DFT-64QAM	M	Outer_Full	20.23	20.16	23.21	24.9	33	PASS
N38	30	40	DFT-256QAM	M	Inner_1RB_Left	18.44	18.21	21.34	23.03	33	PASS
N38	30	40	DFT-256QAM	M	Inner_1RB_Right	18.5	18.52	21.52	23.21	33	PASS
N38	30	40	DFT-256QAM	M	Outer_Full	18.51	18.13	21.33	23.02	33	PASS
N38	30	40	DFT-BPSK	H	Inner_1RB_Left	22.91	22.69	25.81	27.5	33	PASS
N38	30	40	DFT-BPSK	H	Inner_1RB_Right	22.89	22.91	25.91	27.6	33	PASS
N38	30	40	DFT-BPSK	H	Outer_Full	21.8	21.67	24.75	26.44	33	PASS
N38	30	40	DFT-16QAM	H	Inner_1RB_Left	21.72	21.81	24.78	26.47	33	PASS
N38	30	40	DFT-16QAM	H	Inner_1RB_Right	21.9	21.87	24.90	26.59	33	PASS
N38	30	40	DFT-16QAM	H	Outer_Full	20.82	20.68	23.76	25.45	33	PASS
N38	30	40	DFT-64QAM	H	Inner_1RB_Left	20.41	20.06	23.25	24.94	33	PASS
N38	30	40	DFT-64QAM	H	Inner_1RB_Right	20.3	20.33	23.33	25.02	33	PASS
N38	30	40	DFT-64QAM	H	Outer_Full	20.33	20.18	23.27	24.96	33	PASS
N38	30	40	DFT-256QAM	H	Inner_1RB_Left	18.66	18.23	21.46	23.15	33	PASS
N38	30	40	DFT-256QAM	H	Inner_1RB_Right	18.62	18.6	21.62	23.31	33	PASS



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N38	30	40	DFT-256QAM	H	Outer_Full	18.58	18.11	21.36	23.05	33	PASS
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Peak-to-Average Ratio for SA

Peak-to-Average Ratio(PAPR)

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	DutyCycle	Factor	Result	Limit	Verdict
N38	30	40	DFT-256QAM	L	Outer_Full	100%	0.00	9.92	≤13	PASS
N38	30	40	CP-256QAM	L	Outer_Full	100%	0.00	10.05	≤13	PASS
N38	30	40	DFT-256QAM	M	Outer_Full	100%	0.00	9.37	≤13	PASS
N38	30	40	CP-256QAM	M	Outer_Full	100%	0.00	9.57	≤13	PASS
N38	30	40	DFT-256QAM	H	Outer_Full	100%	0.00	9.78	≤13	PASS
N38	30	40	CP-256QAM	H	Outer_Full	100%	0.00	9.33	≤13	PASS



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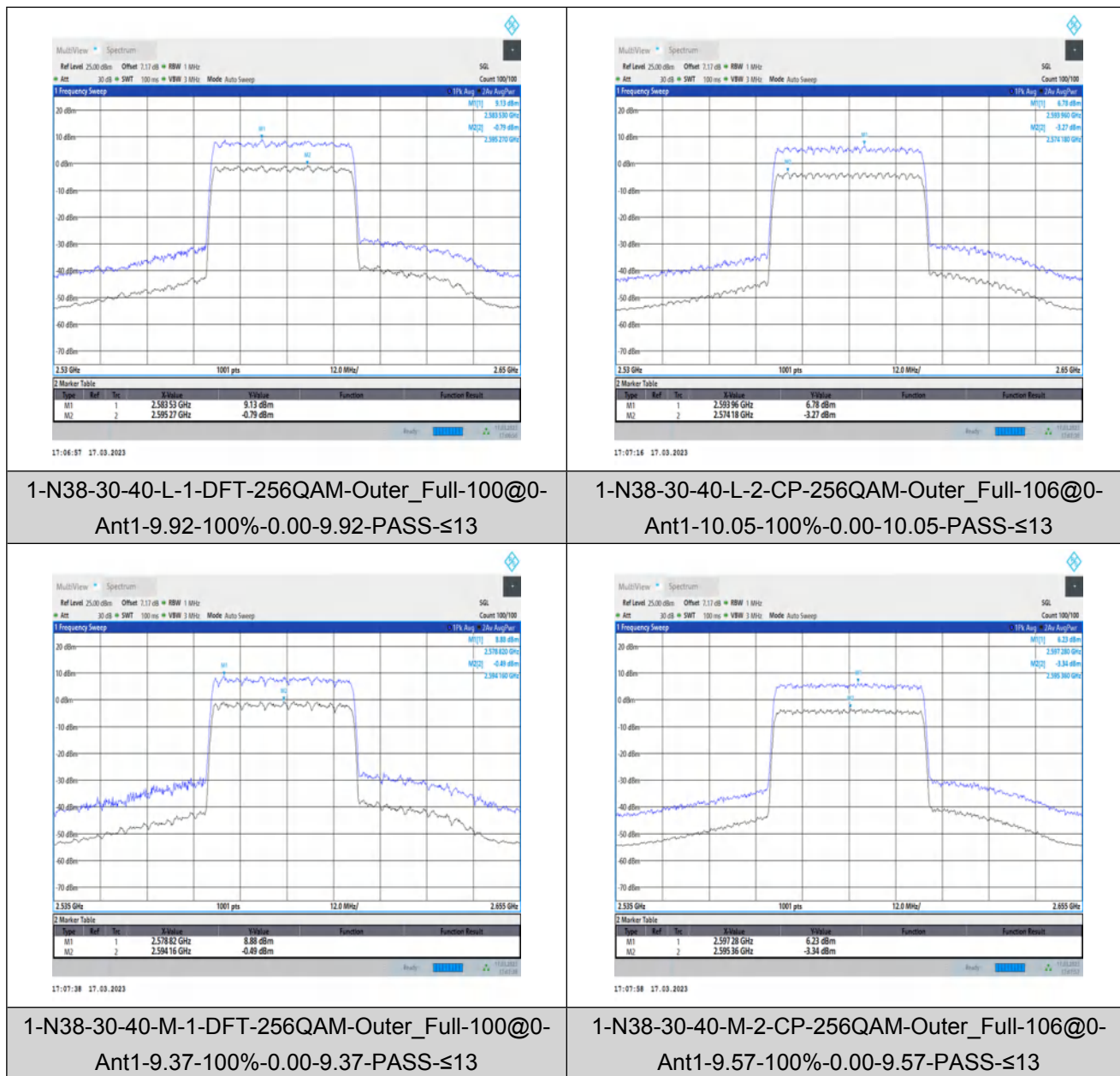
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Test Graphs



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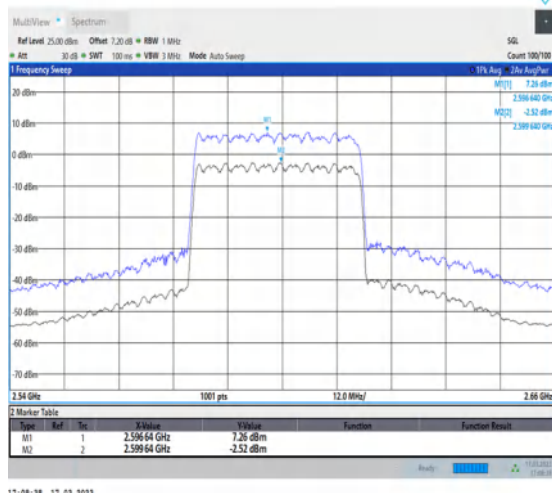
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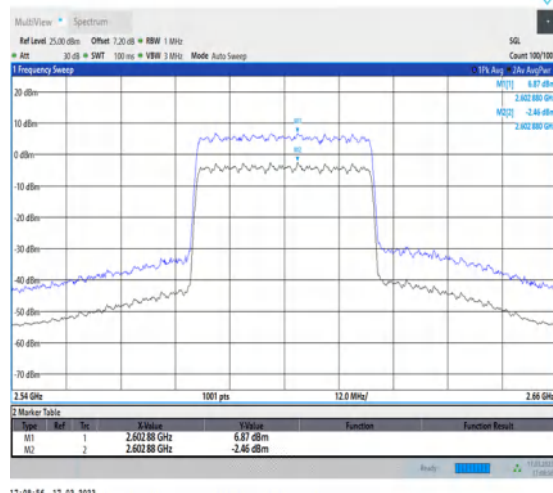
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1-N38-30-40-H-1-DFT-256QAM-Outter_Full-100@0-
Ant1-9.78-100%-0.00-9.78-PASS-≤13



1-N38-30-40-H-2-CP-256QAM-Outter_Full-106@0-
Ant1-9.33-100%-0.00-9.33-PASS-≤13



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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
N38	30	10	DFT-QPSK	L	Outer_Full	8.627	9.240	PASS
N38	30	10	DFT-PI2BPSK	L	Outer_Full	8.556	9.240	PASS
N38	30	10	DFT-16QAM	L	Outer_Full	8.562	9.080	PASS
N38	30	10	DFT-64QAM	L	Outer_Full	8.585	9.060	PASS
N38	30	10	DFT-256QAM	L	Outer_Full	8.513	8.960	PASS
N38	30	10	CP-QPSK	L	Outer_Full	8.569	9.080	PASS
N38	30	10	CP-16QAM	L	Outer_Full	8.594	9.220	PASS
N38	30	10	CP-64QAM	L	Outer_Full	8.557	9.260	PASS
N38	30	10	CP-256QAM	L	Outer_Full	8.564	9.220	PASS
N38	30	10	DFT-QPSK	M	Outer_Full	8.577	9.080	PASS
N38	30	10	DFT-PI2BPSK	M	Outer_Full	8.574	9.240	PASS
N38	30	10	DFT-16QAM	M	Outer_Full	8.572	9.160	PASS
N38	30	10	DFT-64QAM	M	Outer_Full	8.545	9.160	PASS
N38	30	10	DFT-256QAM	M	Outer_Full	8.582	9.300	PASS
N38	30	10	CP-QPSK	M	Outer_Full	8.588	9.120	PASS
N38	30	10	CP-16QAM	M	Outer_Full	8.586	9.240	PASS
N38	30	10	CP-64QAM	M	Outer_Full	8.581	9.040	PASS
N38	30	10	CP-256QAM	M	Outer_Full	8.588	9.180	PASS
N38	30	10	DFT-QPSK	H	Outer_Full	8.559	9.220	PASS
N38	30	10	DFT-PI2BPSK	H	Outer_Full	8.573	9.000	PASS
N38	30	10	DFT-16QAM	H	Outer_Full	8.584	9.080	PASS
N38	30	10	DFT-64QAM	H	Outer_Full	8.601	9.360	PASS
N38	30	10	DFT-256QAM	H	Outer_Full	8.579	9.220	PASS
N38	30	10	CP-QPSK	H	Outer_Full	8.577	9.360	PASS
N38	30	10	CP-16QAM	H	Outer_Full	8.603	9.220	PASS
N38	30	10	CP-64QAM	H	Outer_Full	8.563	9.200	PASS
N38	30	10	CP-256QAM	H	Outer_Full	8.576	9.140	PASS
N38	30	15	DFT-QPSK	L	Outer_Full	12.865	13.590	PASS
N38	30	15	DFT-PI2BPSK	L	Outer_Full	12.834	13.740	PASS
N38	30	15	DFT-16QAM	L	Outer_Full	12.835	13.770	PASS
N38	30	15	DFT-64QAM	L	Outer_Full	12.827	13.530	PASS



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N38	30	15	DFT-256QAM	L	Outer_Full	12.833	13.710	PASS
N38	30	15	CP-QPSK	L	Outer_Full	13.593	14.250	PASS
N38	30	15	CP-16QAM	L	Outer_Full	13.553	14.370	PASS
N38	30	15	CP-64QAM	L	Outer_Full	13.56	14.520	PASS
N38	30	15	CP-256QAM	L	Outer_Full	13.578	14.370	PASS
N38	30	15	DFT-QPSK	M	Outer_Full	12.817	13.650	PASS
N38	30	15	DFT-PI2BPSK	M	Outer_Full	12.831	13.770	PASS
N38	30	15	DFT-16QAM	M	Outer_Full	12.831	13.620	PASS
N38	30	15	DFT-64QAM	M	Outer_Full	12.859	13.650	PASS
N38	30	15	DFT-256QAM	M	Outer_Full	12.859	13.710	PASS
N38	30	15	CP-QPSK	M	Outer_Full	13.552	14.160	PASS
N38	30	15	CP-16QAM	M	Outer_Full	13.569	14.430	PASS
N38	30	15	CP-64QAM	M	Outer_Full	13.613	14.250	PASS
N38	30	15	CP-256QAM	M	Outer_Full	13.567	14.610	PASS
N38	30	15	DFT-QPSK	H	Outer_Full	12.865	13.620	PASS
N38	30	15	DFT-PI2BPSK	H	Outer_Full	12.836	13.590	PASS
N38	30	15	DFT-16QAM	H	Outer_Full	12.917	13.620	PASS
N38	30	15	DFT-64QAM	H	Outer_Full	12.859	13.770	PASS
N38	30	15	DFT-256QAM	H	Outer_Full	12.854	13.710	PASS
N38	30	15	CP-QPSK	H	Outer_Full	13.561	14.250	PASS
N38	30	15	CP-16QAM	H	Outer_Full	13.566	14.430	PASS
N38	30	15	CP-64QAM	H	Outer_Full	13.518	14.220	PASS
N38	30	15	CP-256QAM	H	Outer_Full	13.613	14.430	PASS
N38	30	20	DFT-QPSK	L	Outer_Full	17.871	18.600	PASS
N38	30	20	DFT-PI2BPSK	L	Outer_Full	17.846	18.640	PASS
N38	30	20	DFT-16QAM	L	Outer_Full	17.894	18.560	PASS
N38	30	20	DFT-64QAM	L	Outer_Full	17.784	18.880	PASS
N38	30	20	DFT-256QAM	L	Outer_Full	17.903	18.600	PASS
N38	30	20	CP-QPSK	L	Outer_Full	18.23	19.080	PASS
N38	30	20	CP-16QAM	L	Outer_Full	18.057	18.880	PASS
N38	30	20	CP-64QAM	L	Outer_Full	18.229	19.040	PASS
N38	30	20	CP-256QAM	L	Outer_Full	18.178	19.080	PASS
N38	30	20	DFT-QPSK	M	Outer_Full	17.772	18.640	PASS
N38	30	20	DFT-PI2BPSK	M	Outer_Full	17.882	18.560	PASS
N38	30	20	DFT-16QAM	M	Outer_Full	17.8	18.560	PASS
N38	30	20	DFT-64QAM	M	Outer_Full	17.799	18.680	PASS
N38	30	20	DFT-256QAM	M	Outer_Full	17.803	18.600	PASS



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N38	30	20	CP-QPSK	M	Outer_Full	18.229	19.160	PASS
N38	30	20	CP-16QAM	M	Outer_Full	18.174	18.880	PASS
N38	30	20	CP-64QAM	M	Outer_Full	18.288	19.000	PASS
N38	30	20	CP-256QAM	M	Outer_Full	18.214	18.960	PASS
N38	30	20	DFT-QPSK	H	Outer_Full	17.758	18.640	PASS
N38	30	20	DFT-PI2BPSK	H	Outer_Full	17.829	18.560	PASS
N38	30	20	DFT-16QAM	H	Outer_Full	17.859	18.680	PASS
N38	30	20	DFT-64QAM	H	Outer_Full	17.792	18.720	PASS
N38	30	20	DFT-256QAM	H	Outer_Full	17.783	18.560	PASS
N38	30	20	CP-QPSK	H	Outer_Full	18.194	19.040	PASS
N38	30	20	CP-16QAM	H	Outer_Full	18.135	19.080	PASS
N38	30	20	CP-64QAM	H	Outer_Full	18.248	19.120	PASS
N38	30	20	CP-256QAM	H	Outer_Full	18.184	18.920	PASS
N38	30	40	DFT-QPSK	L	Outer_Full	35.686	37.440	PASS
N38	30	40	DFT-PI2BPSK	L	Outer_Full	35.731	37.200	PASS
N38	30	40	DFT-16QAM	L	Outer_Full	35.685	37.280	PASS
N38	30	40	DFT-64QAM	L	Outer_Full	35.817	37.280	PASS
N38	30	40	DFT-256QAM	L	Outer_Full	35.829	37.440	PASS
N38	30	40	CP-QPSK	L	Outer_Full	37.768	39.440	PASS
N38	30	40	CP-16QAM	L	Outer_Full	37.711	39.520	PASS
N38	30	40	CP-64QAM	L	Outer_Full	37.726	39.520	PASS
N38	30	40	CP-256QAM	L	Outer_Full	37.745	39.440	PASS
N38	30	40	DFT-QPSK	M	Outer_Full	35.763	37.280	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	35.854	37.360	PASS
N38	30	40	DFT-16QAM	M	Outer_Full	35.778	37.440	PASS
N38	30	40	DFT-64QAM	M	Outer_Full	35.673	37.200	PASS
N38	30	40	DFT-256QAM	M	Outer_Full	35.72	37.200	PASS
N38	30	40	CP-QPSK	M	Outer_Full	37.879	39.360	PASS
N38	30	40	CP-16QAM	M	Outer_Full	37.832	39.440	PASS
N38	30	40	CP-64QAM	M	Outer_Full	37.796	39.360	PASS
N38	30	40	CP-256QAM	M	Outer_Full	37.881	39.360	PASS
N38	30	40	DFT-QPSK	H	Outer_Full	35.799	37.440	PASS
N38	30	40	DFT-PI2BPSK	H	Outer_Full	35.786	37.520	PASS
N38	30	40	DFT-16QAM	H	Outer_Full	35.781	37.360	PASS
N38	30	40	DFT-64QAM	H	Outer_Full	35.847	37.520	PASS
N38	30	40	DFT-256QAM	H	Outer_Full	35.836	37.680	PASS
N38	30	40	CP-QPSK	H	Outer_Full	37.792	39.600	PASS



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N38	30	40	CP-16QAM	H	Outer_Full	37.792	39.440	PASS
N38	30	40	CP-64QAM	H	Outer_Full	37.943	39.680	PASS
N38	30	40	CP-256QAM	H	Outer_Full	37.801	39.600	PASS



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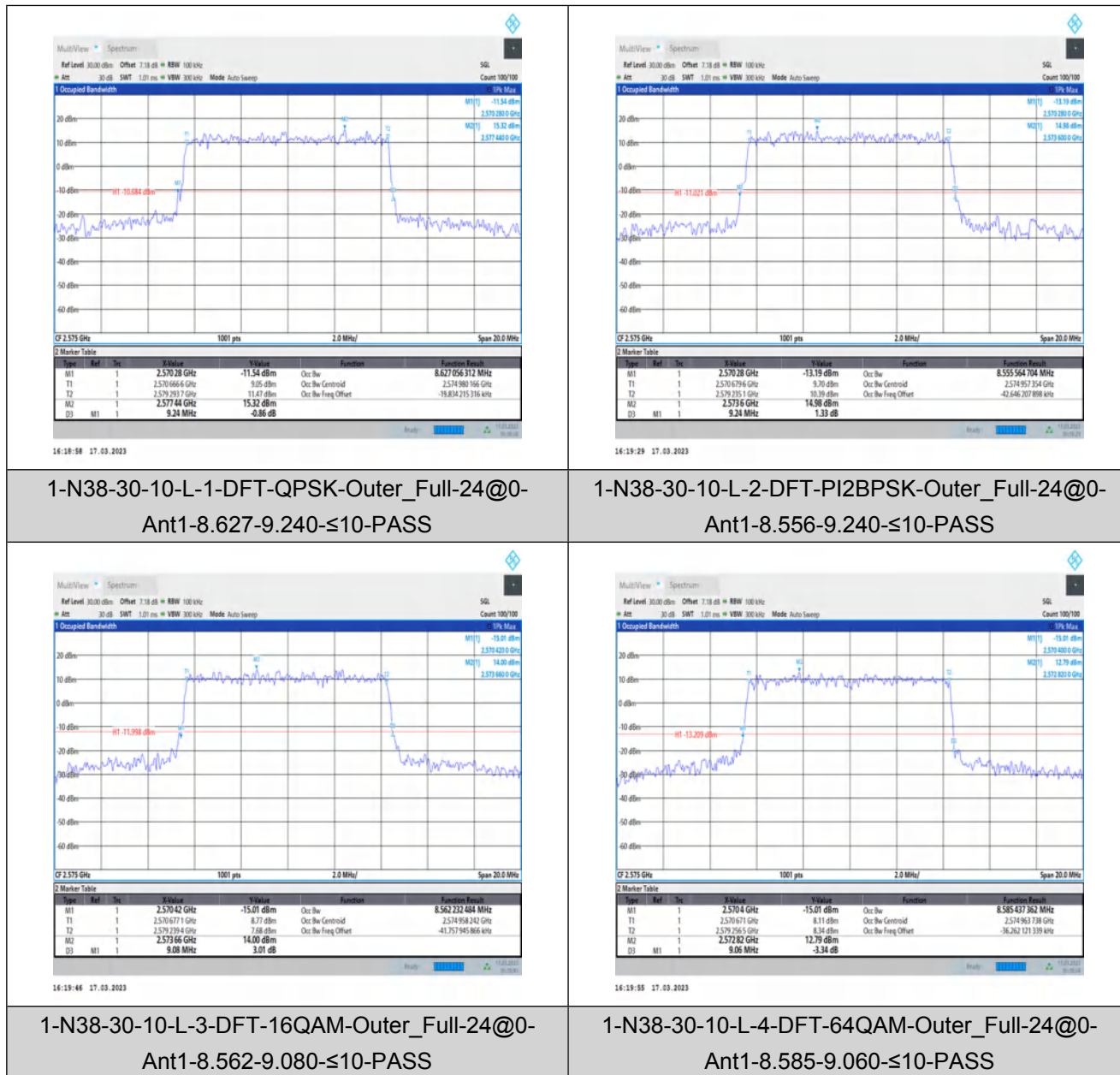
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Test Graphs



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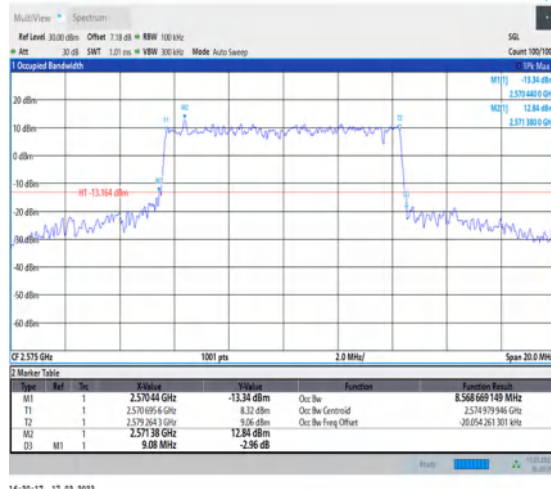
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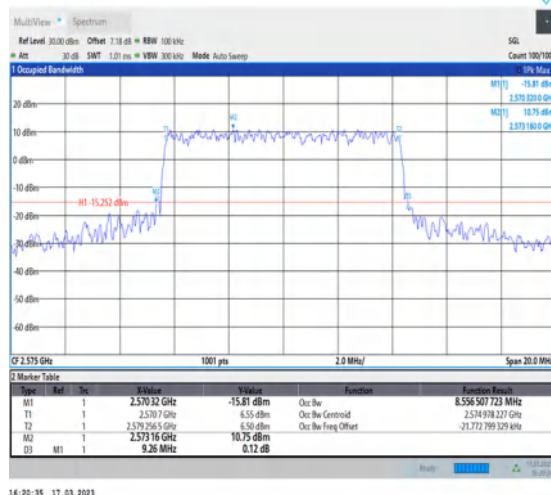
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1-N38-30-10-L-6-CP-QPSK-Outer_Full-24@0-Ant1-8.569-9.080-≤10-PASS



1-N38-30-10-L-7-CP-16QAM-Outer_Full-24@0-Ant1-8.594-9.220-≤10-PASS



1-N38-30-10-L-8-CP-64QAM-Outer_Full-24@0-Ant1-8.557-9.260-≤10-PASS



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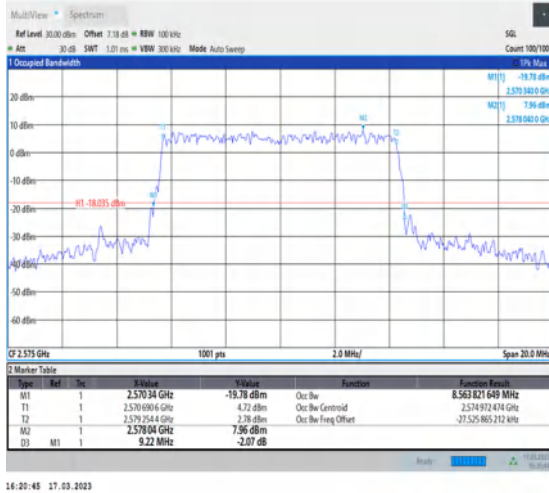
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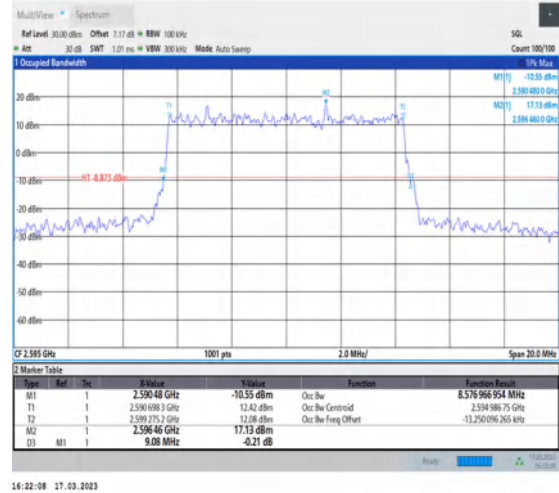
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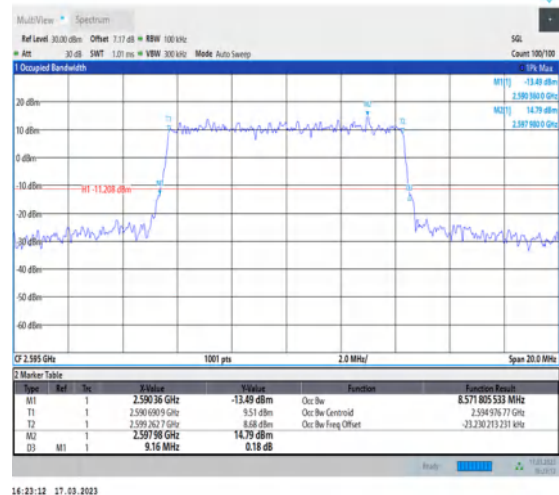
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1-N38-30-10-M-1-DFT-QPSK-Outer_Full-24@0-Ant1-8.577-9.080-≤10-PASS



1-N38-30-10-M-2-DFT-PI2BPSK-Outer_Full-24@0-Ant1-8.574-9.240-≤10-PASS



1-N38-30-10-M-3-DFT-16QAM-Outer_Full-24@0-Ant1-8.572-9.160-≤10-PASS



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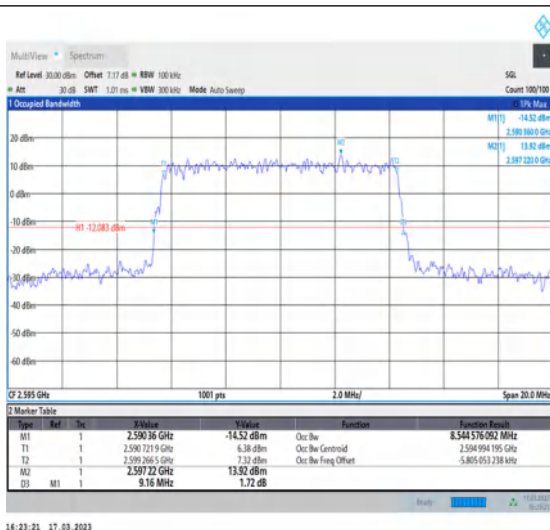
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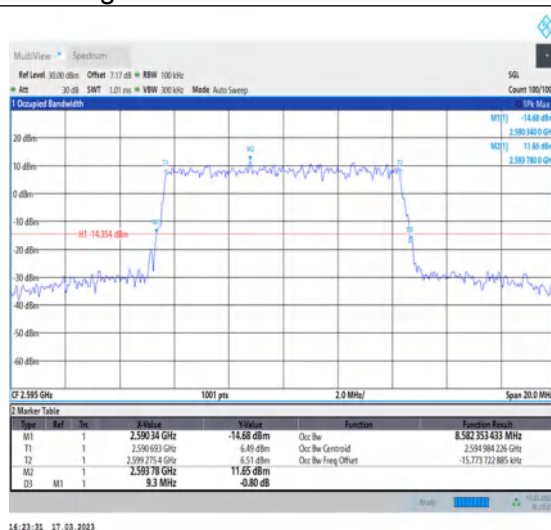
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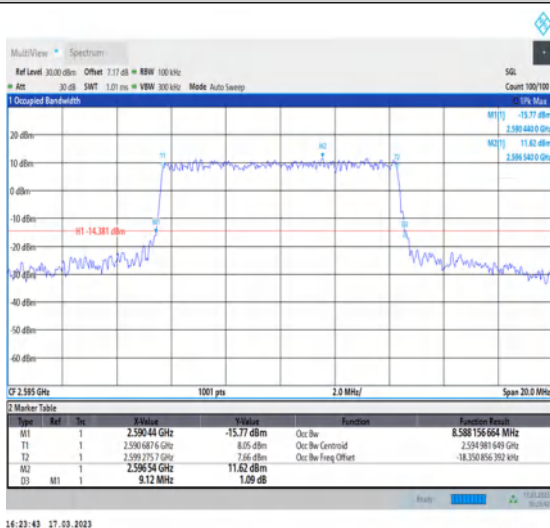
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1-N38-30-10-M-4-DFT-64QAM-Outer_Full-24@0-Ant1-8.545-9.160-≤10-PASS



1-N38-30-10-M-5-DFT-256QAM-Outer_Full-24@0-Ant1-8.582-9.300-≤10-PASS



1-N38-30-10-M-6-CP-QPSK-Outer_Full-24@0-Ant1-8.588-9.120-≤10-PASS



1-N38-30-10-M-7-CP-16QAM-Outer_Full-24@0-Ant1-8.586-9.240-≤10-PASS



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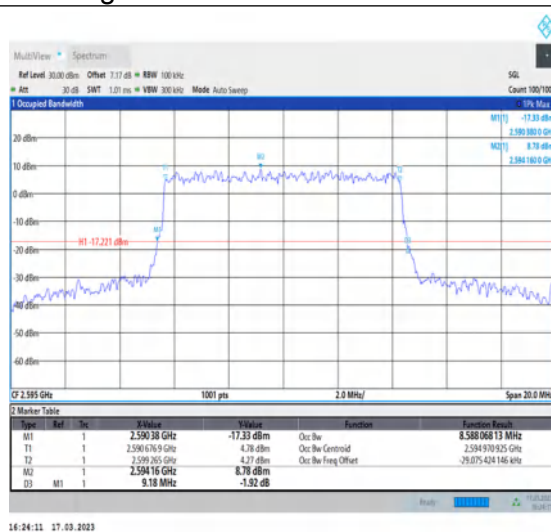
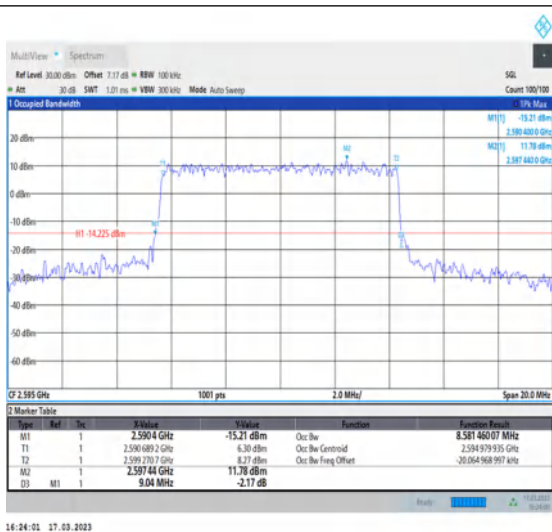
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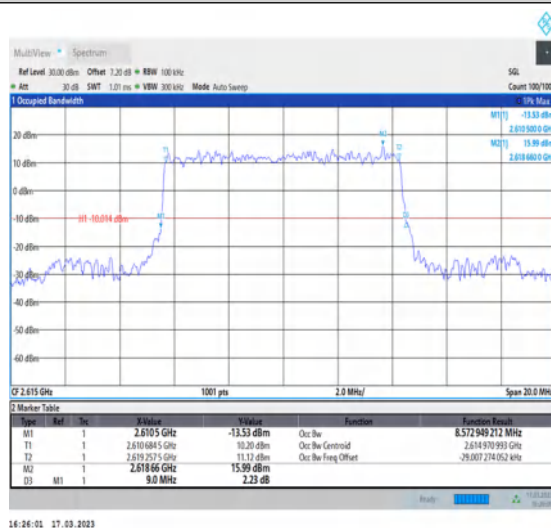
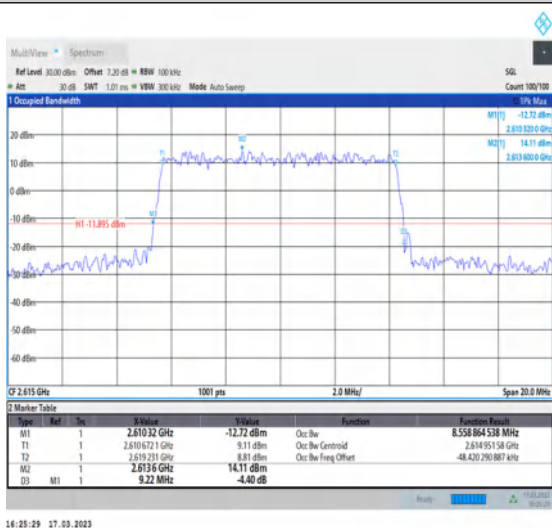
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1-N38-30-10-M-8-CP-64QAM-Out Full-24@0-Ant1-8.581-9.040-≤10-PASS

1-N38-30-10-M-9-CP-256QAM-Out Full-24@0-Ant1-8.588-9.180-≤10-PASS



1-N38-30-10-H-1-DFT-QPSK-Out Full-24@0-Ant1-8.559-9.220-≤10-PASS

1-N38-30-10-H-2-DFT-PI2BPSK-Out Full-24@0-Ant1-8.573-9.000-≤10-PASS



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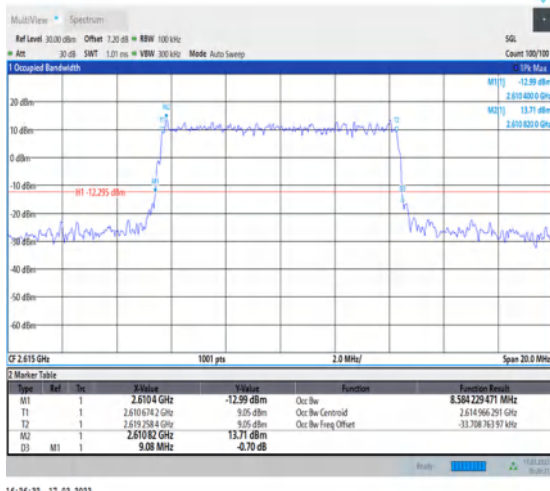
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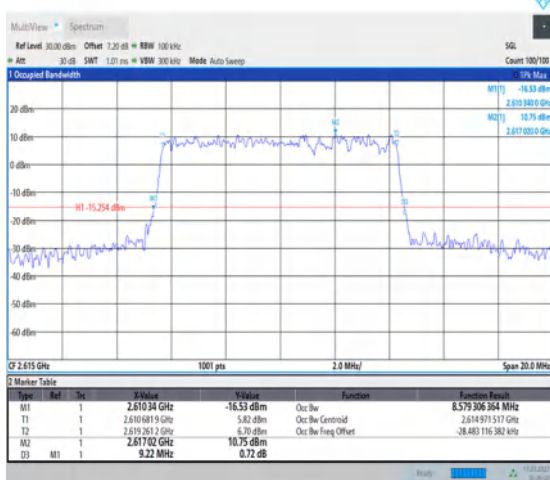
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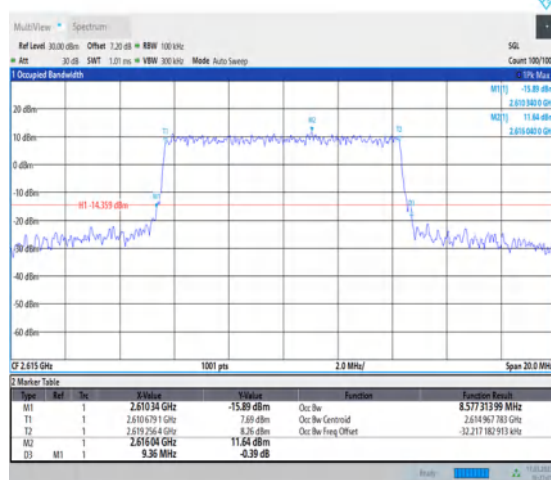
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16:26:51 17.03.2023

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16:27:02 17.03.2023

1-N38-30-10-H-6-CP-QPSK-Outer_Full-24@0-Ant1-8.577-9.360-≤10-PASS



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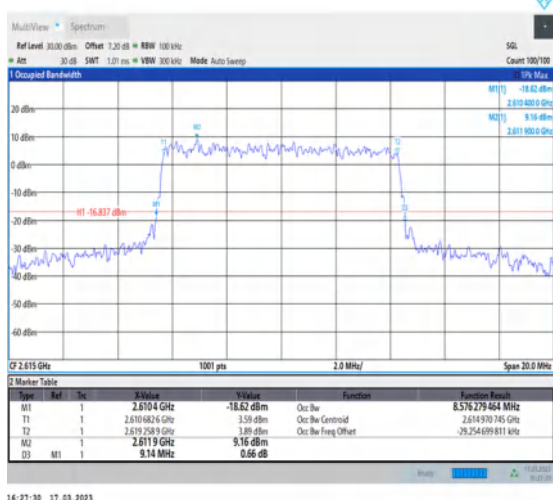
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16:27:30 17.03.2023

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16:28:50 17.03.2023

1-N38-30-15-L-1-DFT-QPSK-Outer_Full-36@0-Ant1-12.865-13.590-≤15-PASS



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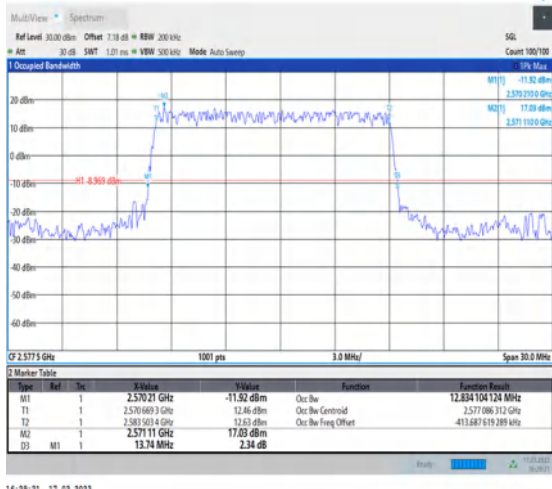
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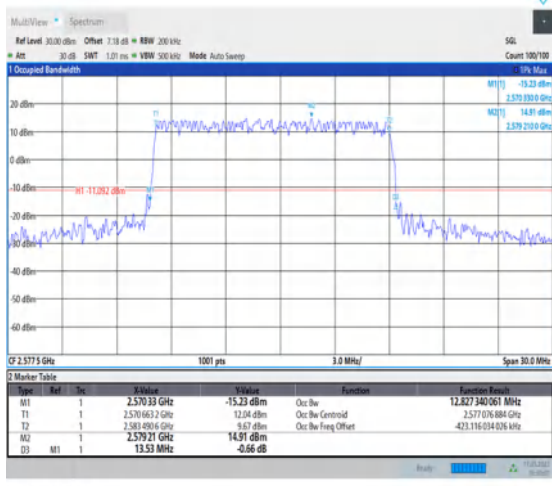
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16:29:52 17.03.2023

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16:30:01 17.03.2023

1-N38-30-15-L-4-DFT-64QAM-Outer_Full-36@0-Ant1-12.827-13.530-≤15-PASS



16:30:12 17.03.2023

1-N38-30-15-L-5-DFT-256QAM-Outer_Full-36@0-Ant1-12.833-13.710-≤15-PASS



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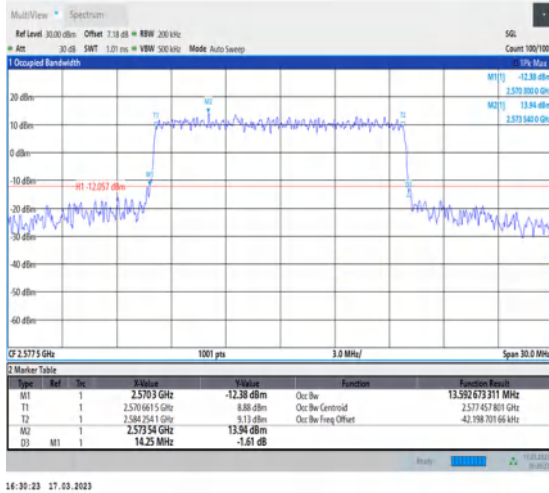
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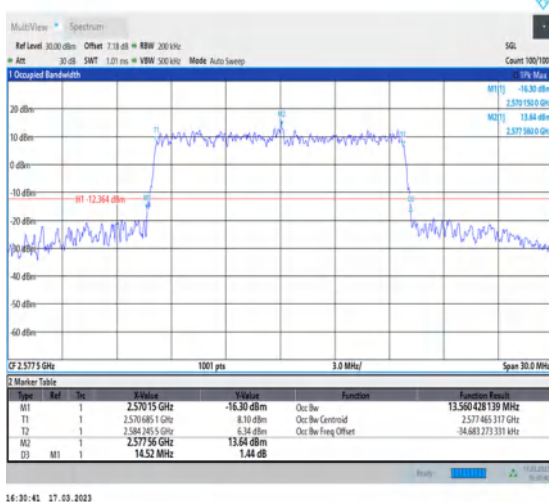
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1-N38-30-15-L-6-CP-QPSK-Outer_Full-38@0-Ant1-13.593-14.250-≤15-PASS

1-N38-30-15-L-7-CP-16QAM-Outer_Full-38@0-Ant1-13.553-14.370-≤15-PASS



1-N38-30-15-L-8-CP-64QAM-Outer_Full-38@0-Ant1-13.56-14.520-≤15-PASS

1-N38-30-15-L-9-CP-256QAM-Outer_Full-38@0-Ant1-13.578-14.370-≤15-PASS



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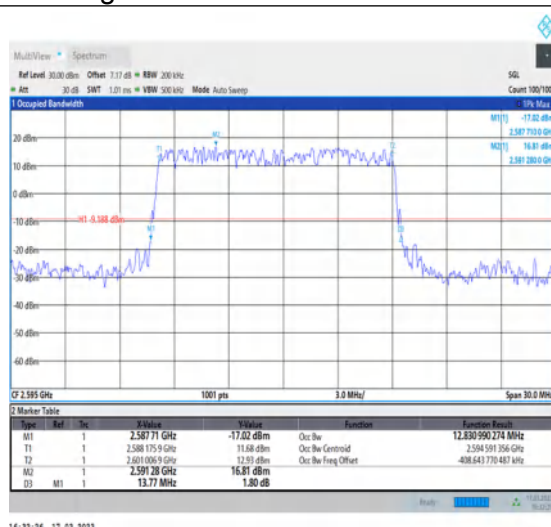
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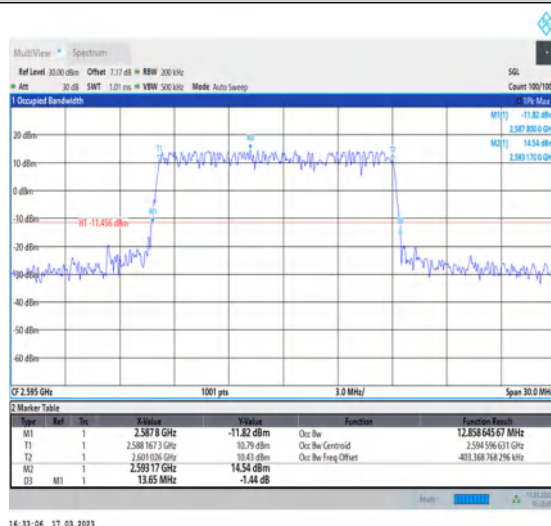
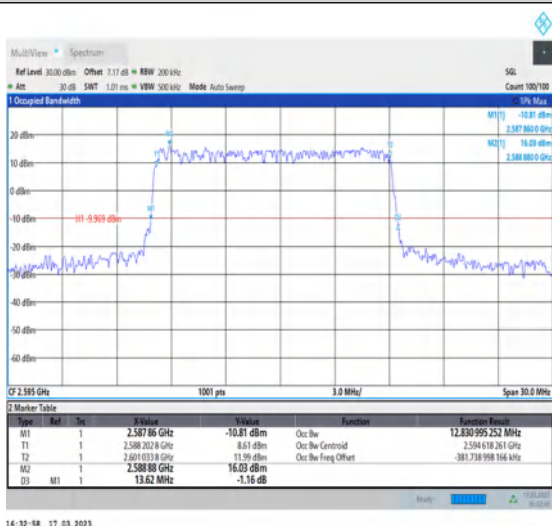
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1-N38-30-15-M-1-DFT-QPSK-Outer_Full-36@0-Ant1-12.817-13.650-≤15-PASS

1-N38-30-15-M-2-DFT-PI2BPSK-Outer_Full-36@0-Ant1-12.831-13.770-≤15-PASS



1-N38-30-15-M-3-DFT-16QAM-Outer_Full-36@0-Ant1-12.831-13.620-≤15-PASS

1-N38-30-15-M-4-DFT-64QAM-Outer_Full-36@0-Ant1-12.859-13.650-≤15-PASS



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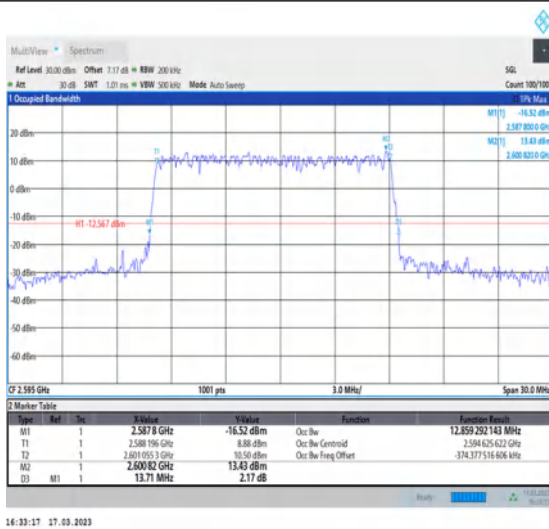
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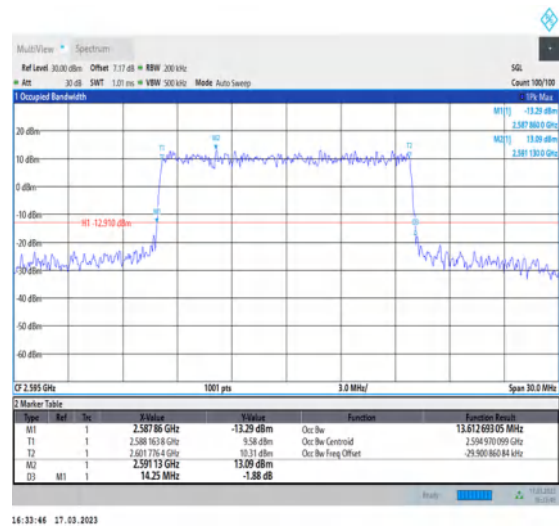
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1-N38-30-15-M-7-CP-16QAM-Outer_Full-38@0-Ant1-13.569-14.430-≤15-PASS



1-N38-30-15-M-8-CP-64QAM-Outer_Full-38@0-Ant1-13.613-14.250-≤15-PASS



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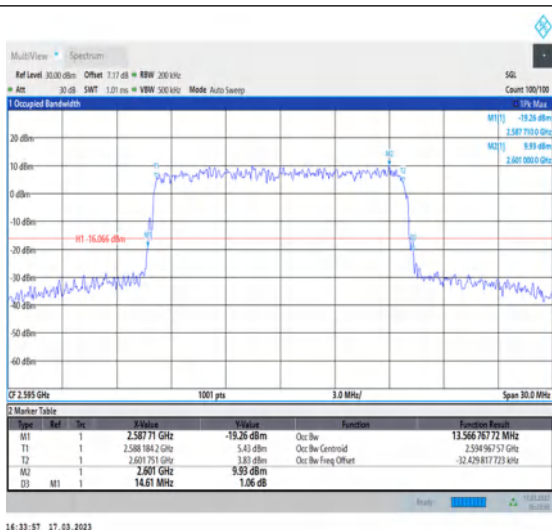
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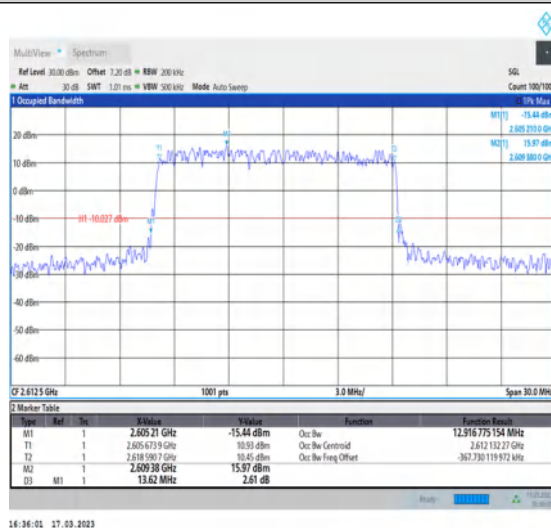
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1-N38-30-15-H-1-DFT-QPSK-Outer_Full-36@0-
Ant1-12.865-13.620-≤15-PASS



1-N38-30-15-H-2-DFT-PI2BPSK-Outer_Full-36@0-
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1-N38-30-15-H-3-DFT-16QAM-Outer_Full-36@0-
Ant1-12.917-13.620-≤15-PASS



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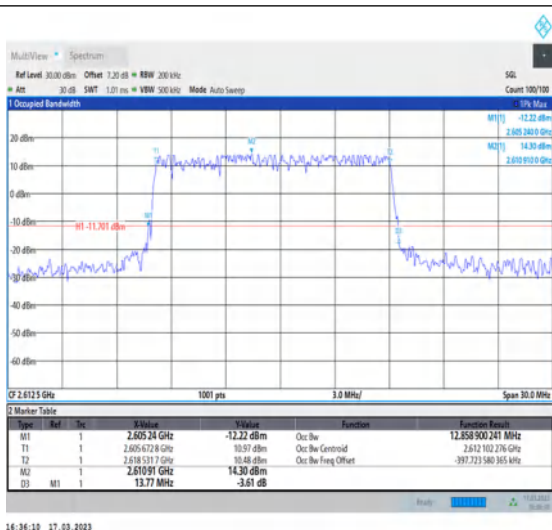
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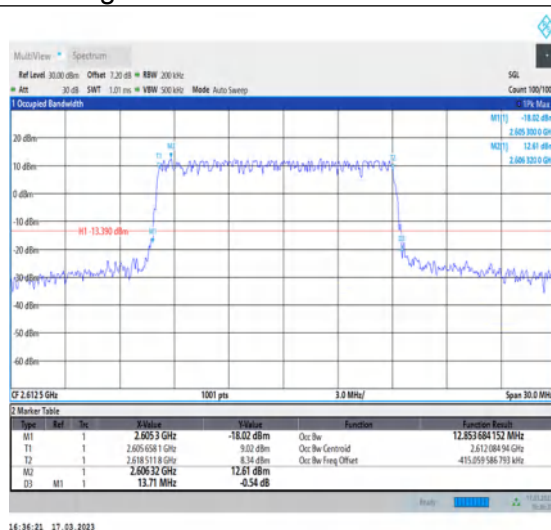
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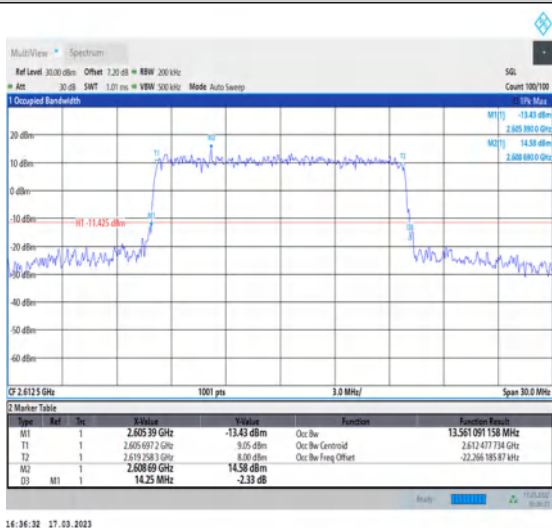
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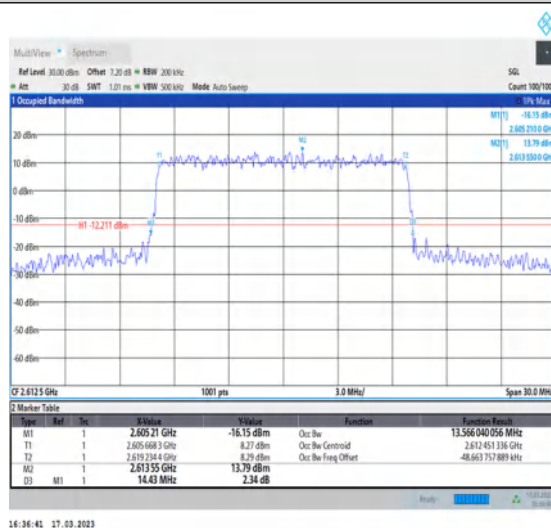
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1-N38-30-15-H-6-CP-QPSK-Outer_Full-38@0-Ant1-13.561-14.250-≤15-PASS



1-N38-30-15-H-7-CP-16QAM-Outer_Full-38@0-Ant1-13.566-14.430-≤15-PASS



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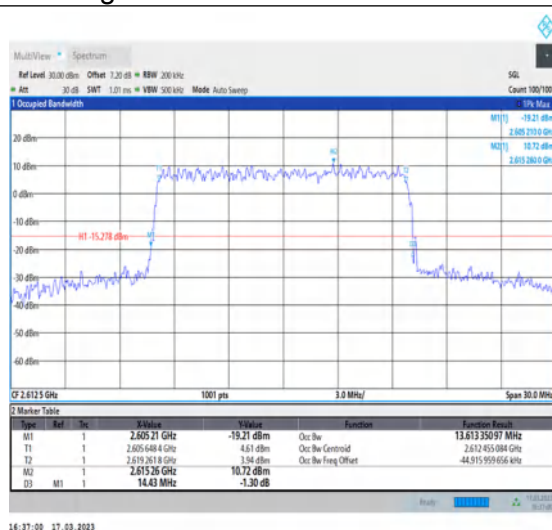
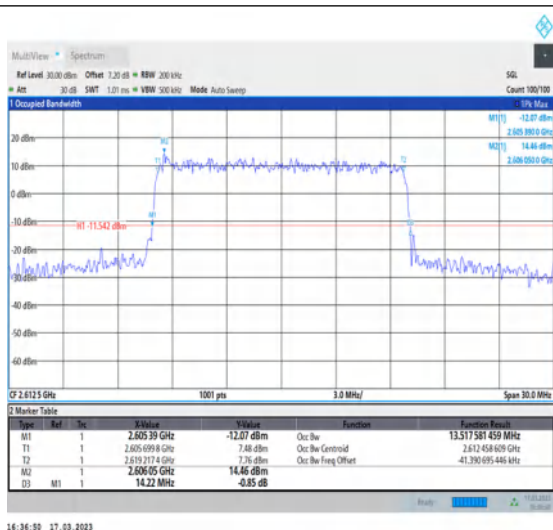
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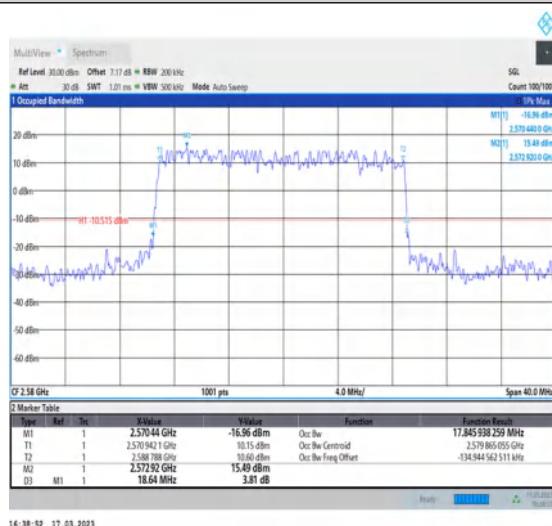
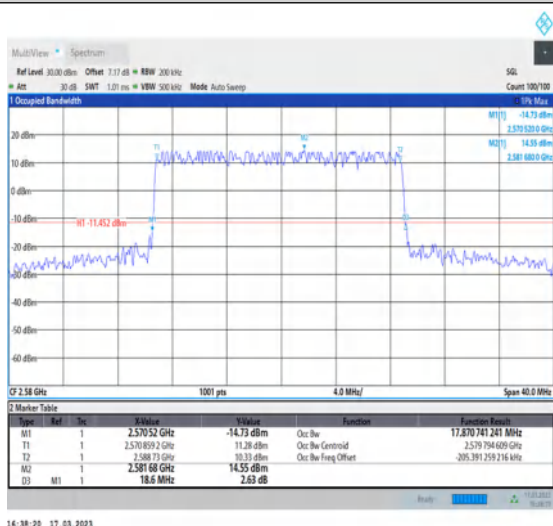
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1-N38-30-15-H-8-CP-64QAM-Out- Full-38@0-Ant1-13.518-14.220-≤15-PASS

1-N38-30-15-H-9-CP-256QAM-Out- Full-38@0-Ant1-13.613-14.430-≤15-PASS



1-N38-30-20-L-1-DFT-QPSK-Out- Full-50@0-Ant1-17.871-18.600-≤20-PASS

1-N38-30-20-L-2-DFT-PI2BPSK-Out- Full-50@0-Ant1-17.846-18.640-≤20-PASS



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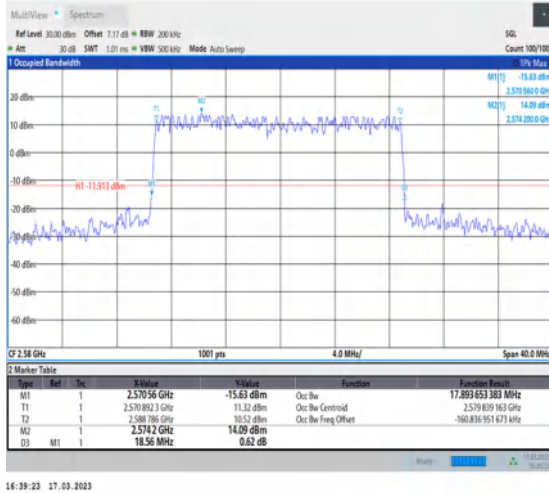
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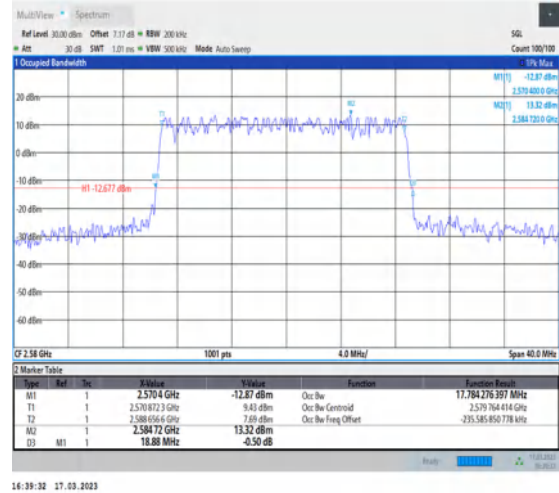
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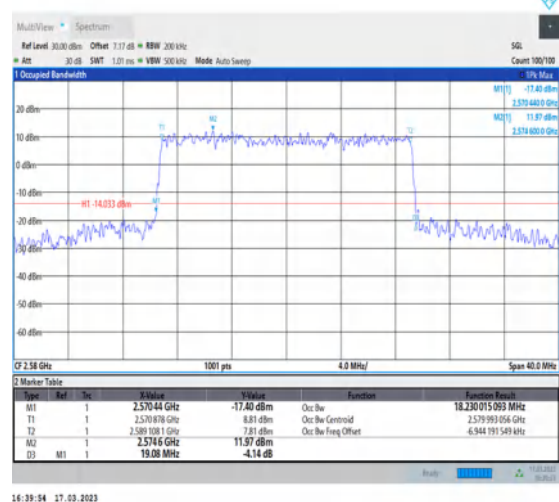
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1-N38-30-20-L-5-DFT-256QAM-Outer_Full-50@0-Ant1-17.903-18.600-≤20-PASS



1-N38-30-20-L-6-CP-QPSK-Outer_Full-51@0-Ant1-18.23-19.080-≤20-PASS



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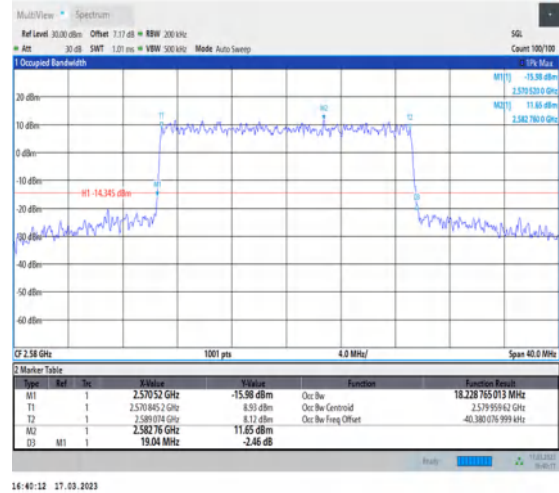
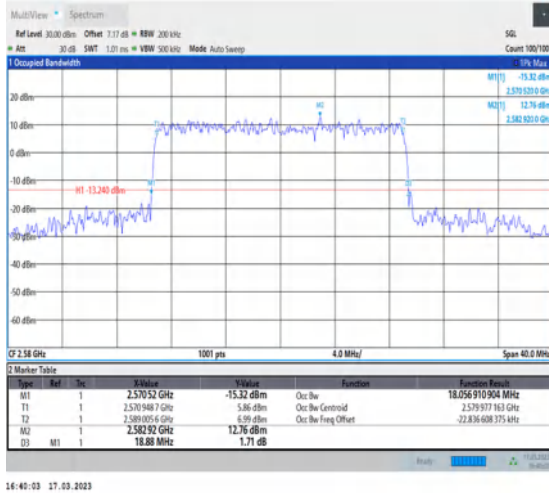
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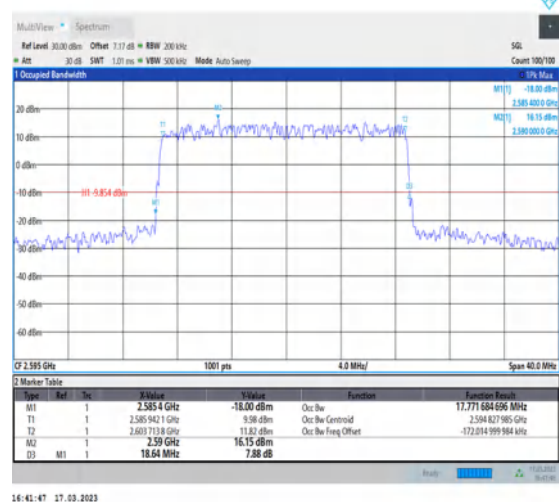
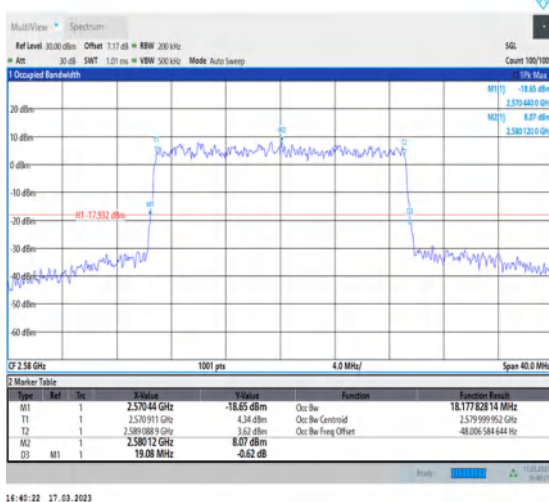
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1-N38-30-20-L-8-CP-64QAM-Outer_Full-51@0-Ant1-18.229-19.040-≤20-PASS



1-N38-30-20-L-9-CP-256QAM-Outer_Full-51@0-Ant1-18.178-19.080-≤20-PASS

1-N38-30-20-M-1-DFT-QPSK-Outer_Full-50@0-Ant1-17.772-18.640-≤20-PASS



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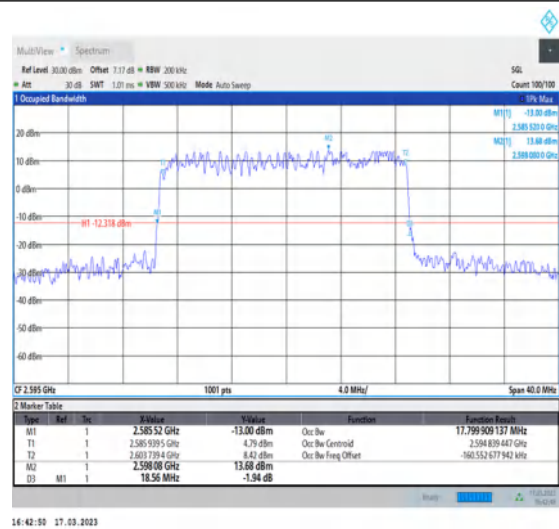
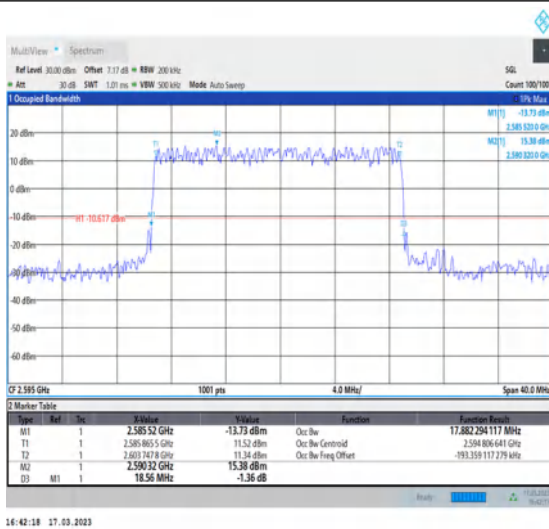
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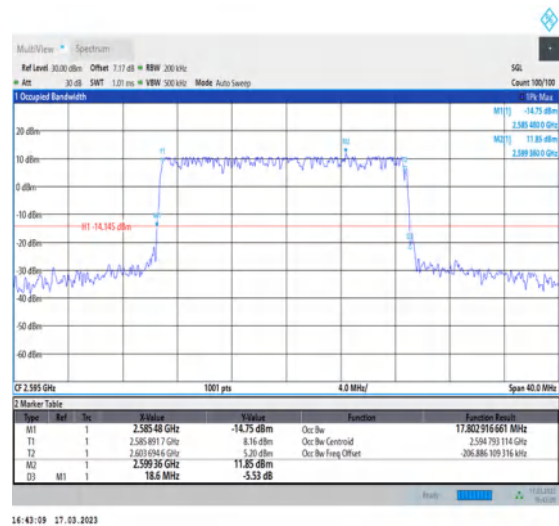
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1-N38-30-20-M-3-DFT-16QAM-Outer_Full-50@0-Ant1-17.8-18.560-≤20-PASS



1-N38-30-20-M-4-DFT-64QAM-Outer_Full-50@0-Ant1-17.799-18.680-≤20-PASS

1-N38-30-20-M-5-DFT-256QAM-Outer_Full-50@0-Ant1-17.803-18.600-≤20-PASS



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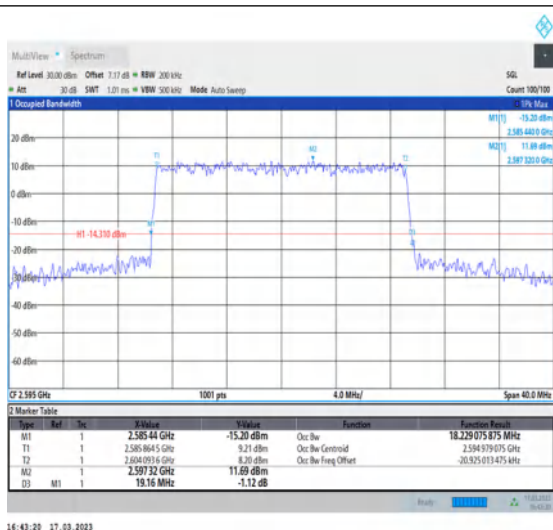
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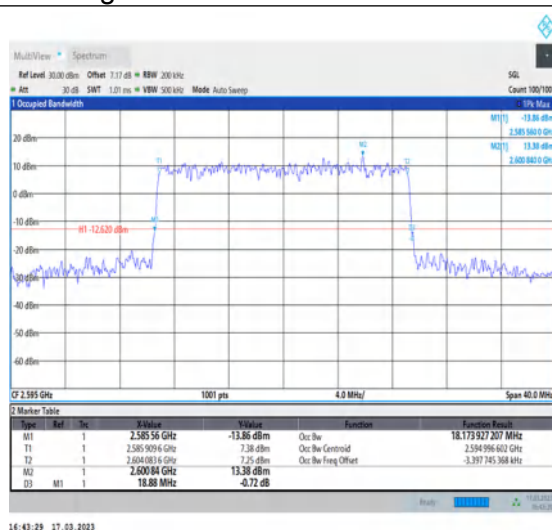
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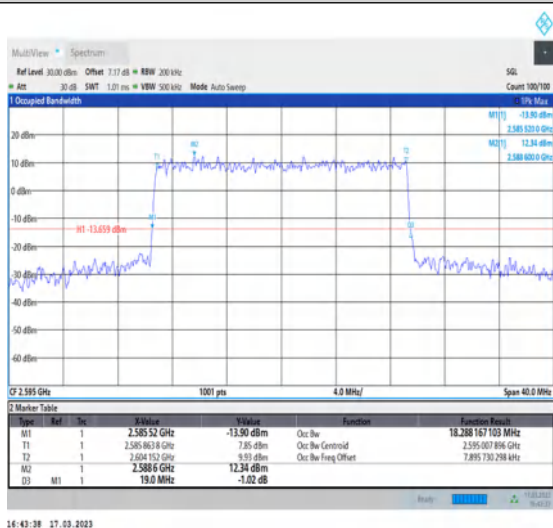
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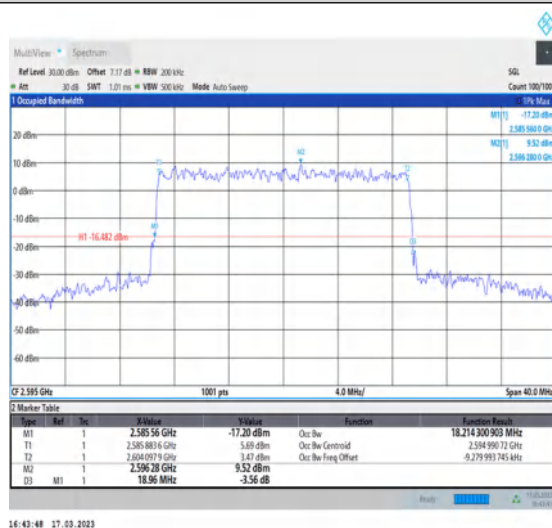
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1-N38-30-20-M-8-CP-64QAM-Outer_Full-51@0-Ant1-18.288-19.000-≤20-PASS



1-N38-30-20-M-9-CP-256QAM-Outer_Full-51@0-Ant1-18.214-18.960-≤20-PASS



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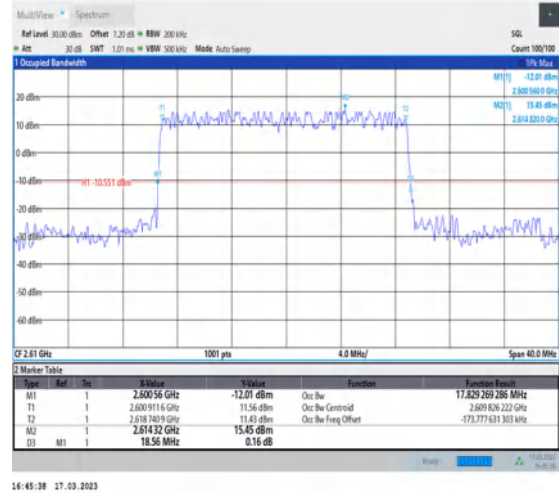
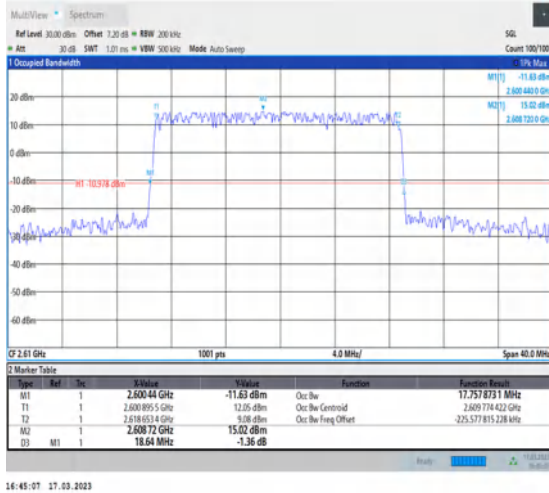
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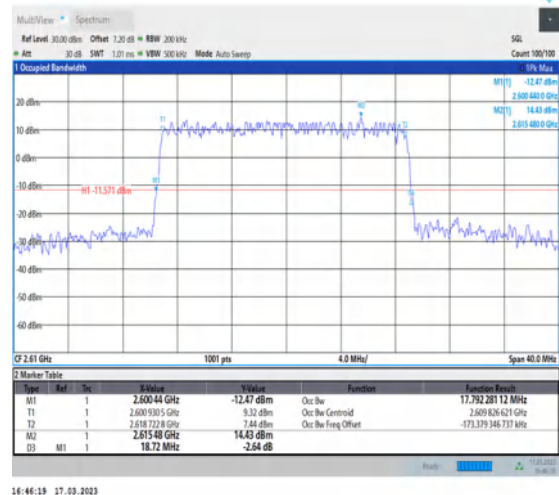
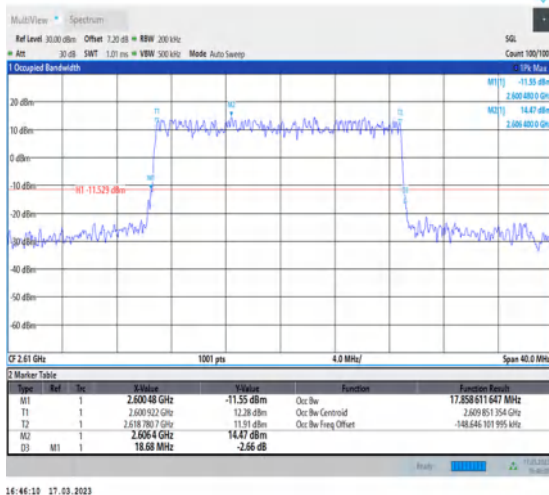
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1-N38-30-20-H-2-DFT-PI2BPSK-Outer_Full-50@0-Ant1-17.829-18.560-≤20-PASS



1-N38-30-20-H-3-DFT-16QAM-Outer_Full-50@0-Ant1-17.859-18.680-≤20-PASS

1-N38-30-20-H-4-DFT-64QAM-Outer_Full-50@0-Ant1-17.792-18.720-≤20-PASS



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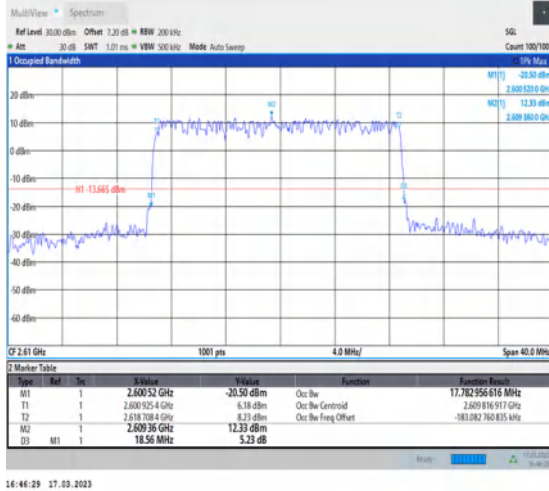
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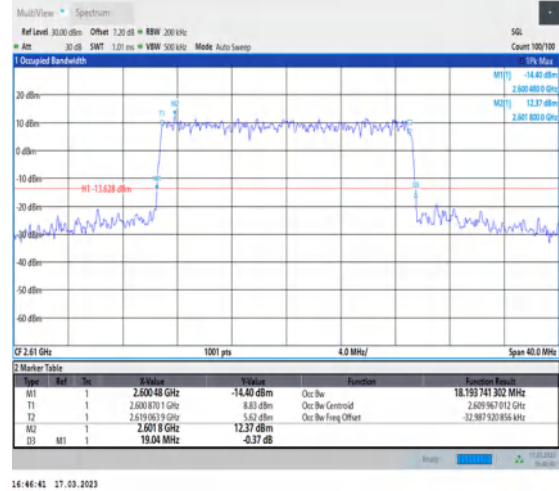
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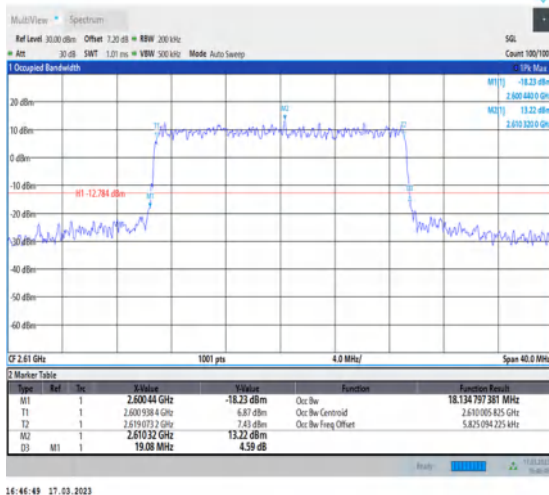
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1-N38-30-20-H-7-CP-16QAM-Outer_Full-51@0-Ant1-18.135-19.080-≤20-PASS



1-N38-30-20-H-8-CP-64QAM-Outer_Full-51@0-Ant1-18.248-19.120-≤20-PASS



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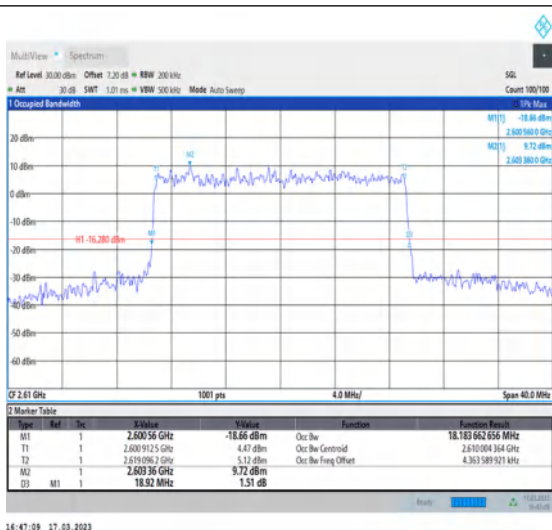
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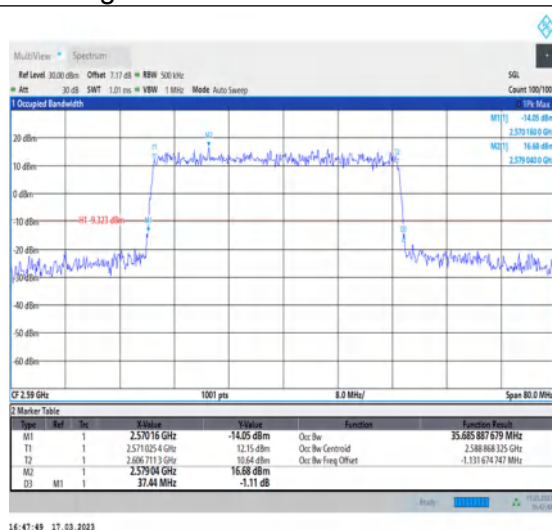
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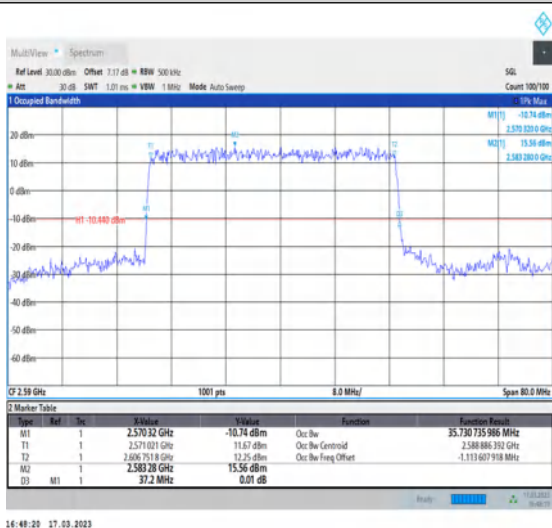
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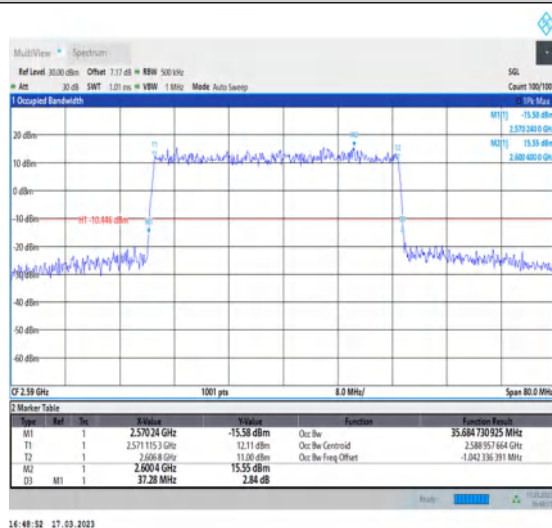
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16:48:52 17.03.2023

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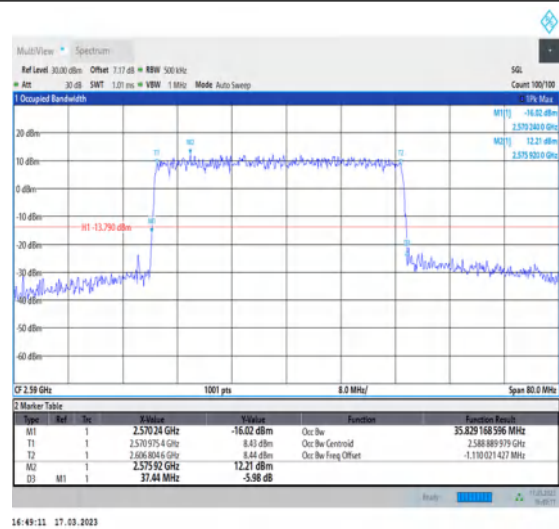
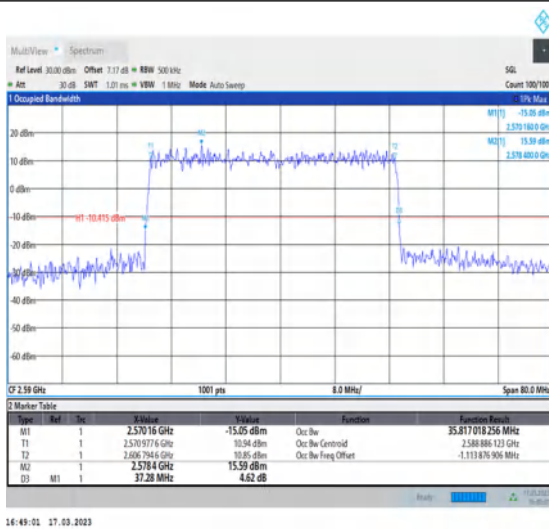
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1-N38-30-40-L-5-DFT-256QAM-Outer_Full-100@0-Ant1-35.829-37.440-≤40-PASS



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1-N38-30-40-L-7-CP-16QAM-Outer_Full-106@0-Ant1-37.711-39.520-≤40-PASS



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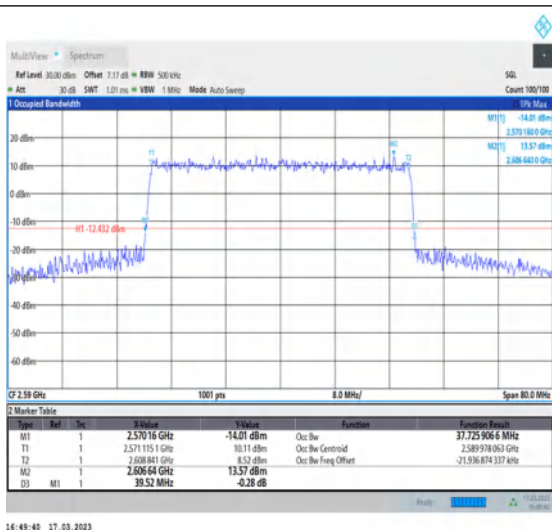
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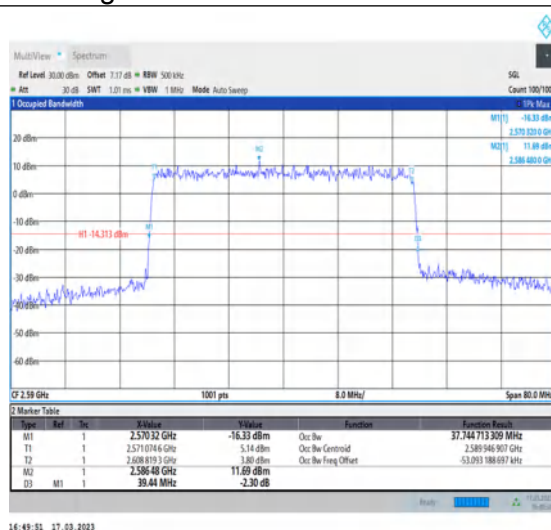
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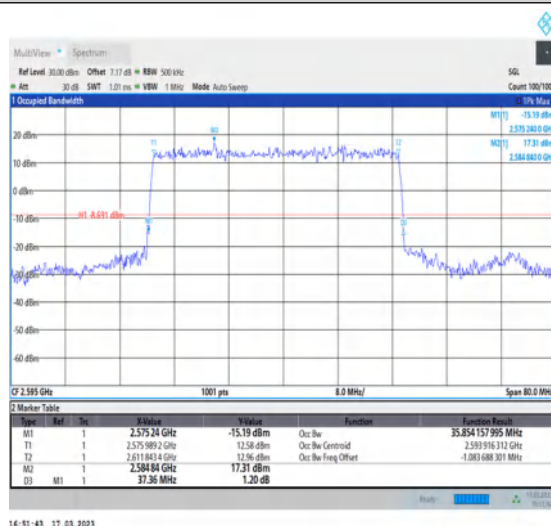
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1-N38-30-40-M-1-DFT-QPSK-Outer_Full-100@0-Ant1-35.763-37.280-≤40-PASS



1-N38-30-40-M-2-DFT-PI2BPSK-Outer_Full-100@0-Ant1-35.854-37.360-≤40-PASS



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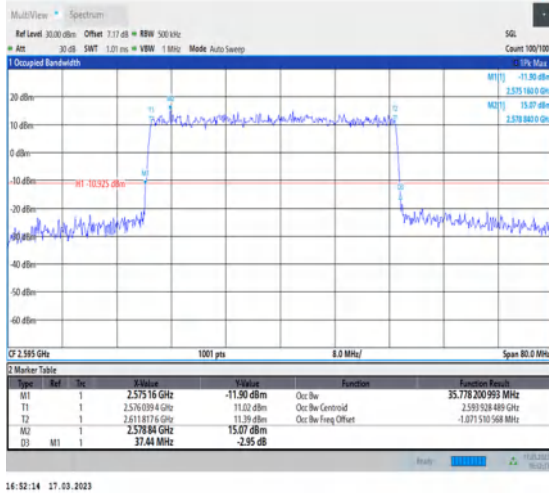
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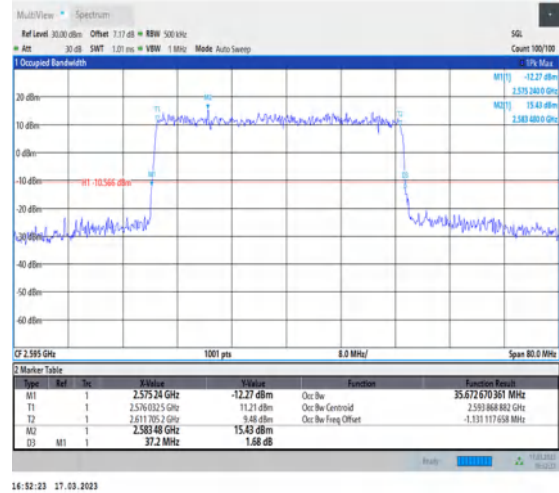
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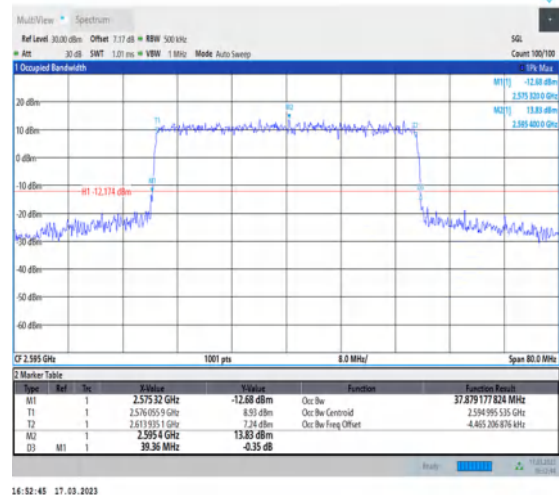
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1-N38-30-40-M-6-CP-QPSK-Outet_Full-106@0-Ant1-37.879-39.360-≤40-PASS



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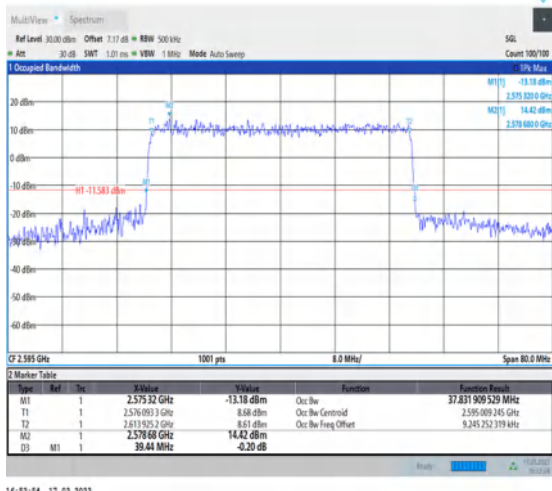
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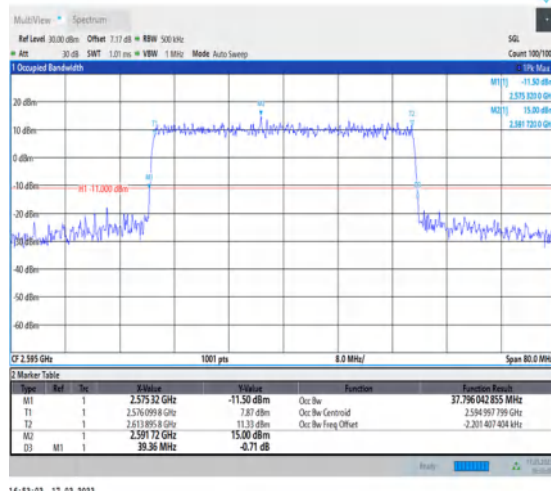
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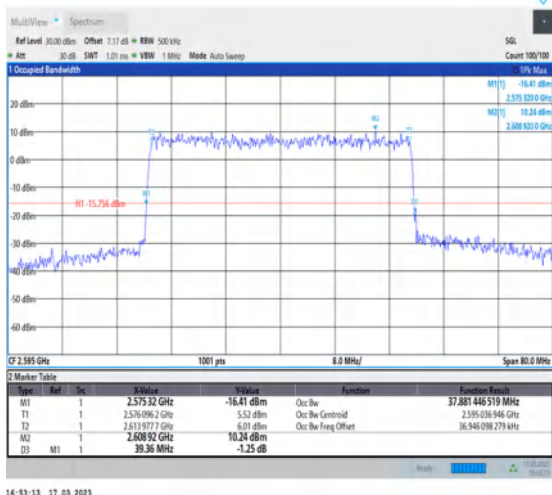
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1-N38-30-40-M-9-CP-256QAM-Outer_Full-106@0-Ant1-37.881-39.360-≤40-PASS



16:54:27 17.03.2023

1-N38-30-40-H-1-DFT-QPSK-Outer_Full-100@0-Ant1-35.799-37.440-≤40-PASS



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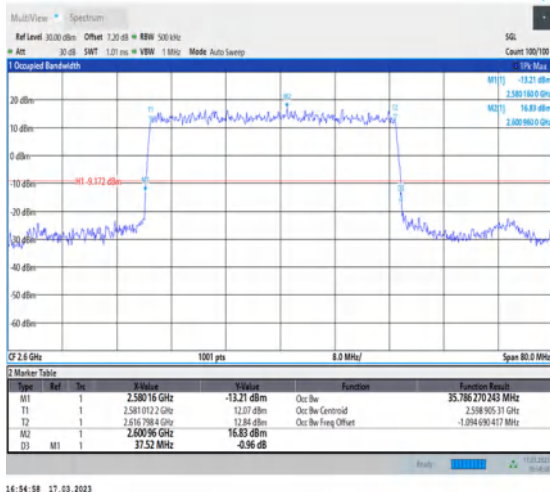
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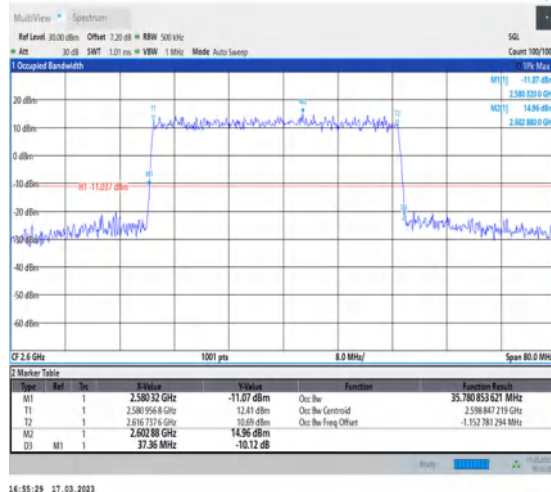
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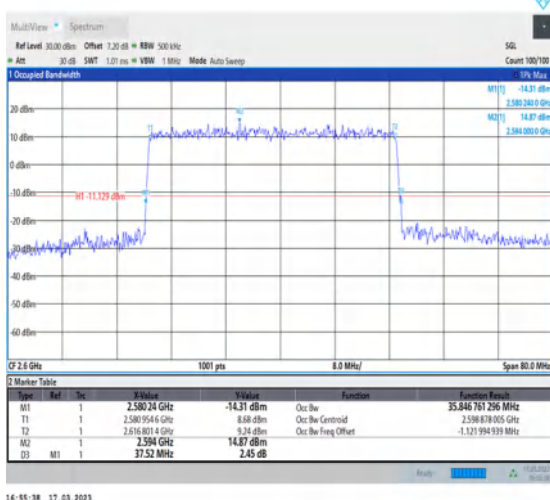
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1-N38-30-40-H-2-DFT-PI2BPSK-Outer_Full-100@0-Ant1-35.786-37.520-≤40-PASS



1-N38-30-40-H-3-DFT-16QAM-Outer_Full-100@0-Ant1-35.781-37.360-≤40-PASS



1-N38-30-40-H-4-DFT-64QAM-Outer_Full-100@0-Ant1-35.847-37.520-≤40-PASS



1-N38-30-40-H-5-DFT-256QAM-Outer_Full-100@0-Ant1-35.836-37.680-≤40-PASS



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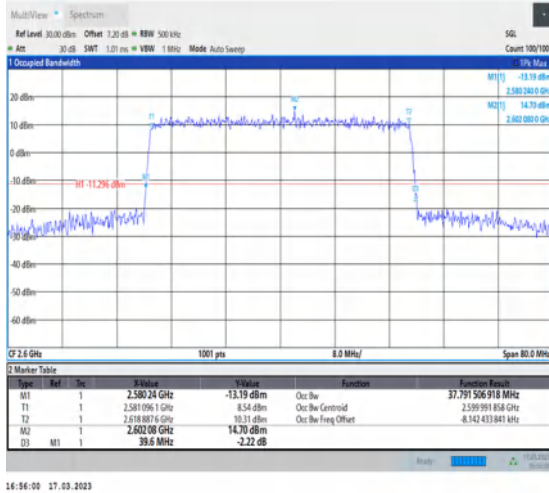
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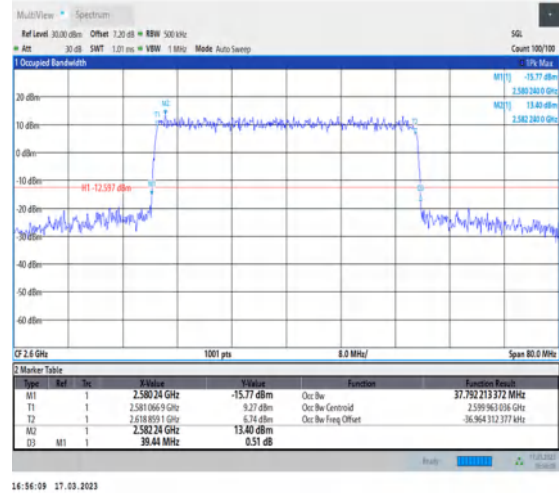
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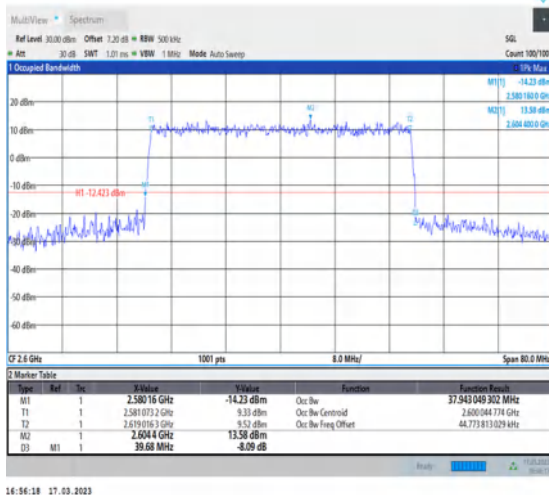
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1-N38-30-40-H-6-CP-QPSK-Outer_Full-106@0-Ant1-37.792-39.600-≤40-PASS



1-N38-30-40-H-7-CP-16QAM-Outer_Full-106@0-Ant1-37.792-39.440-≤40-PASS



1-N38-30-40-H-8-CP-64QAM-Outer_Full-106@0-Ant1-37.943-39.680-≤40-PASS



1-N38-30-40-H-9-CP-256QAM-Outer_Full-106@0-Ant1-37.801-39.600-≤40-PASS



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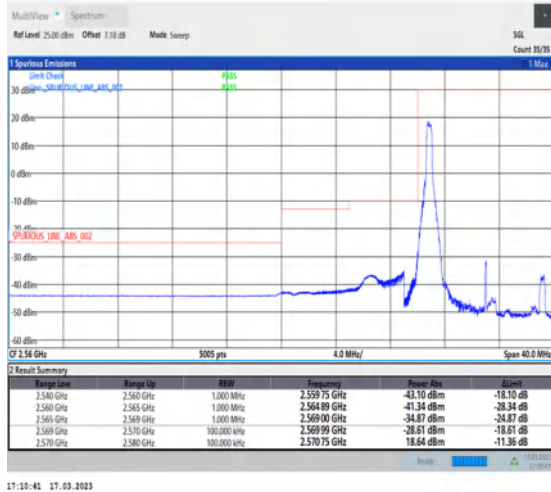
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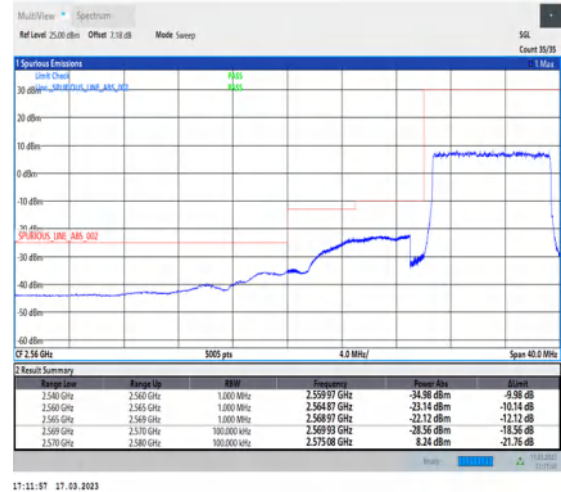
Band Edge for SA

Test Graphs



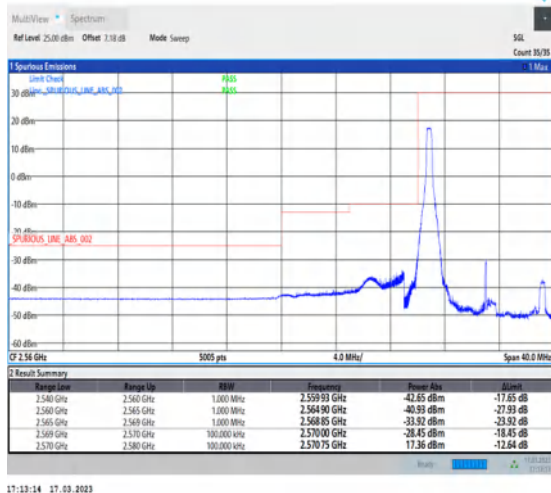
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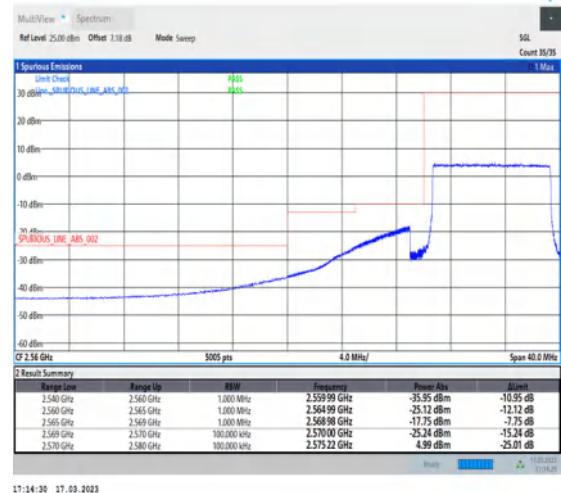
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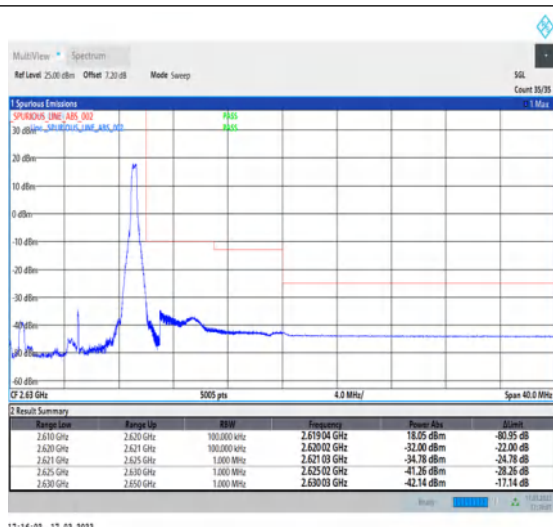
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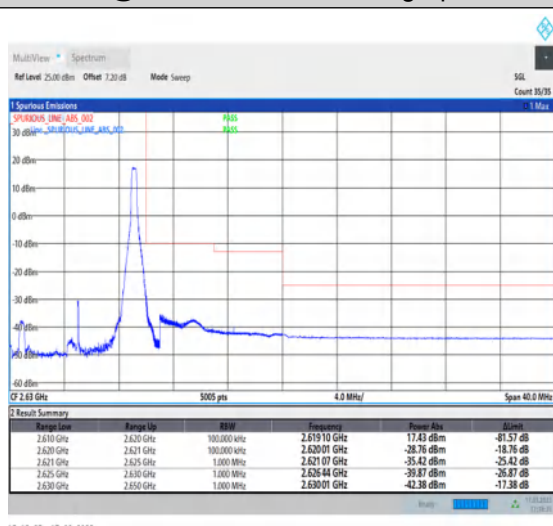
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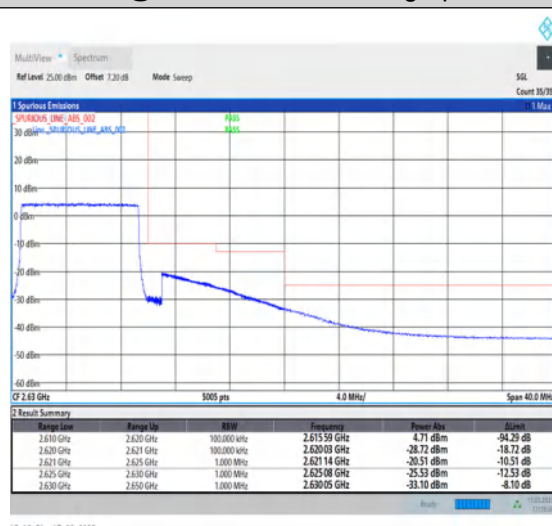
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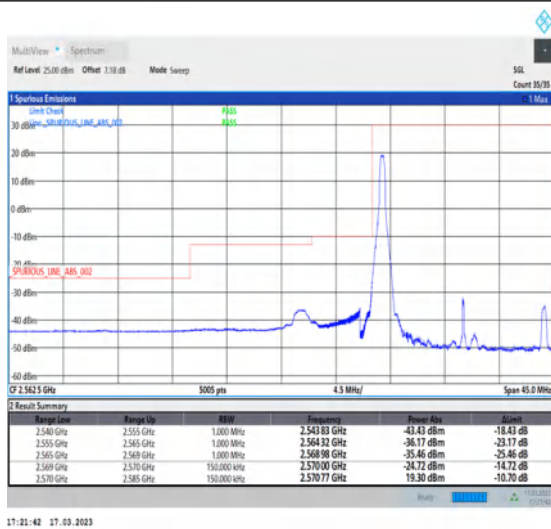
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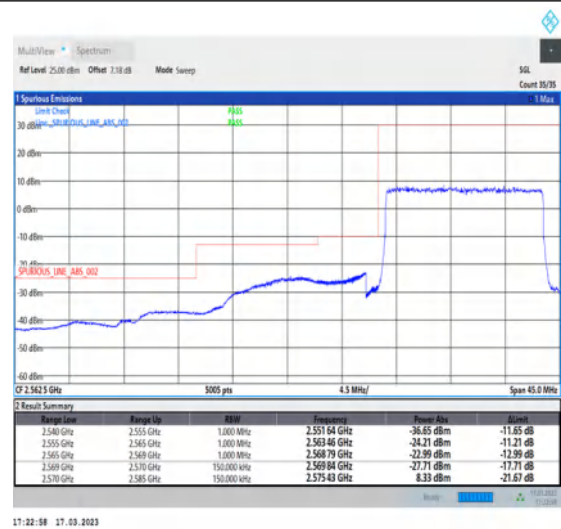
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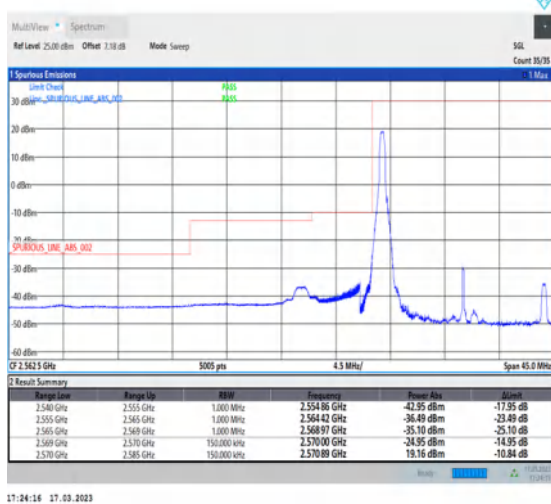
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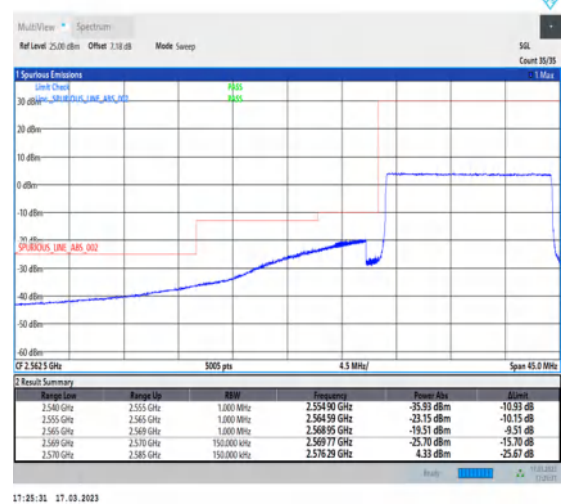
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1-N38-30-15-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



1-N38-30-15-L-6-CP-QPSK-Outer_Full-38@0-Ant1-1--PASS-see graph



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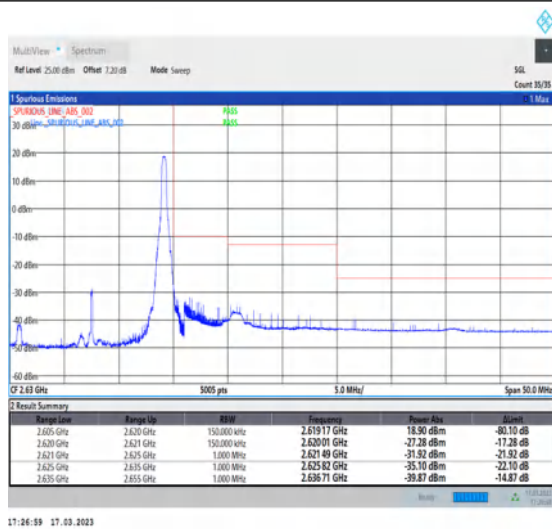
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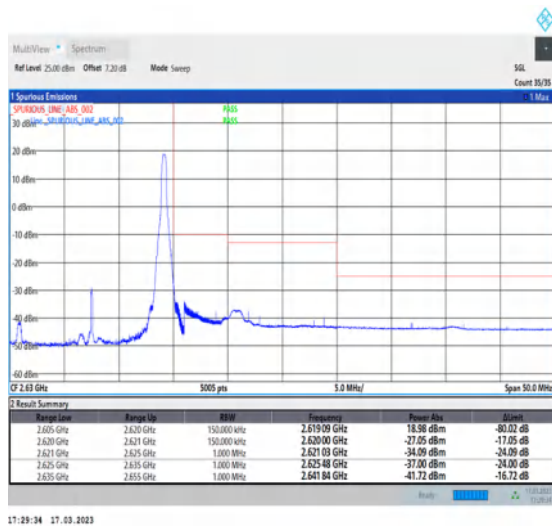
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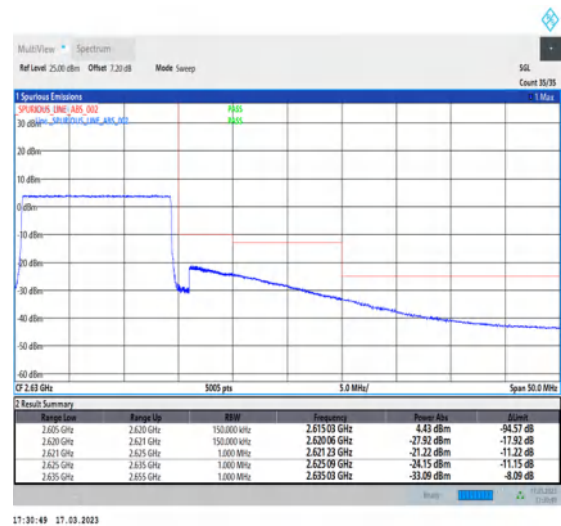
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17:30:49 17.03.2023

1-N38-30-15-H-6-CP-QPSK-Outer_Full-38@0-Ant1-1--PASS-see graph



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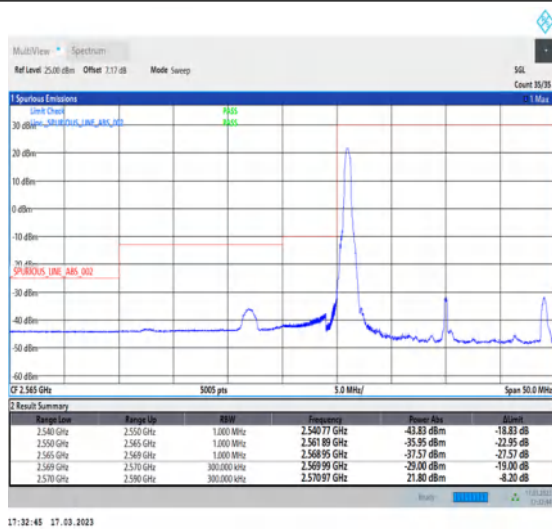
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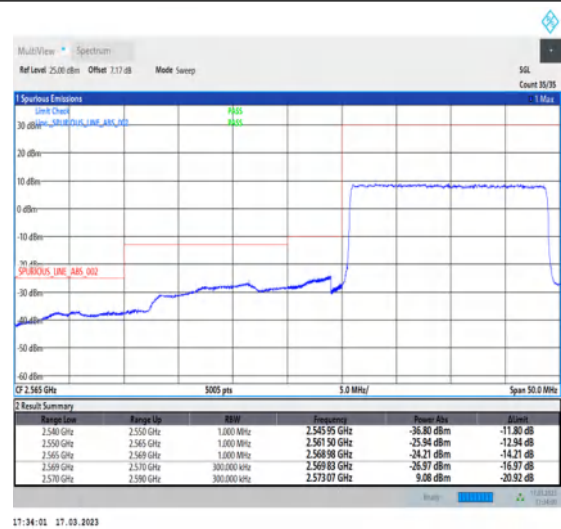
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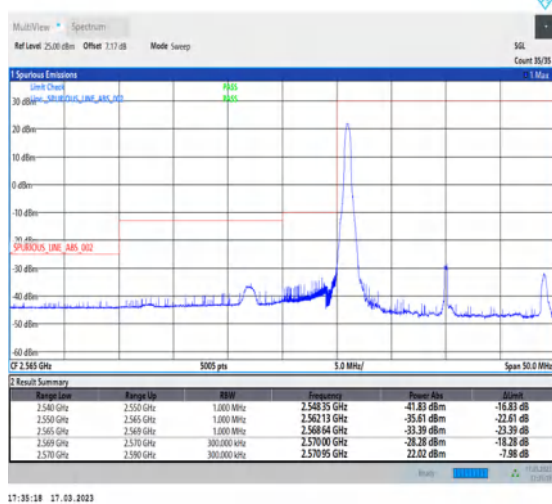
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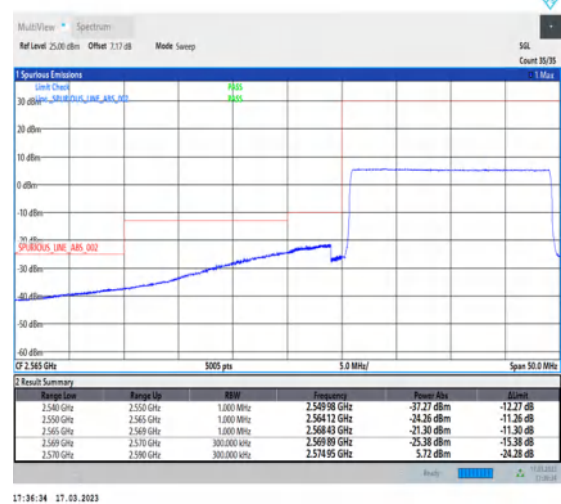
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1-N38-30-20-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



1-N38-30-20-L-6-CP-QPSK-Outer_Full-51@0-Ant1-1--PASS-see graph



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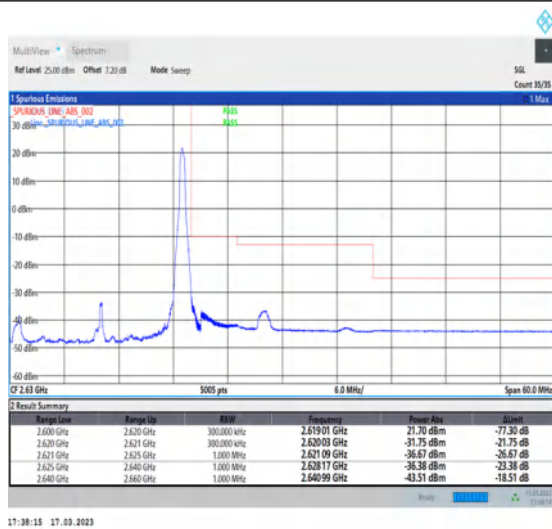
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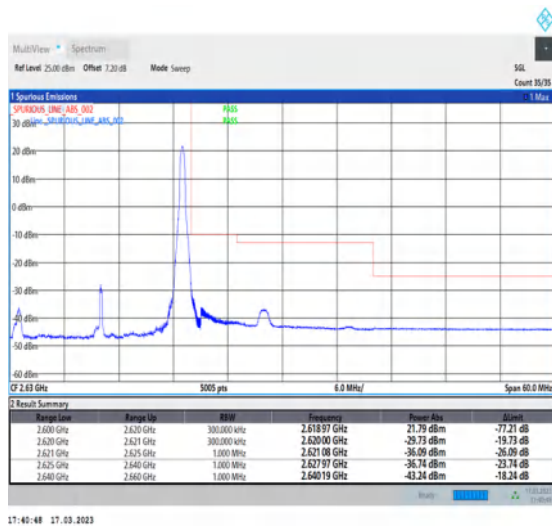
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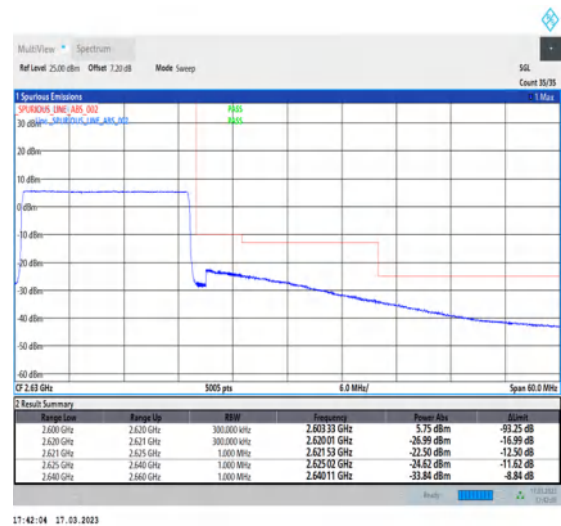
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1-N38-30-20-H-5-CP-QPSK-Edge_1RB_Right-1@50-Ant1-1--PASS-see graph



1-N38-30-20-H-6-CP-QPSK-Outer_Full-51@0-Ant1-1--PASS-see graph



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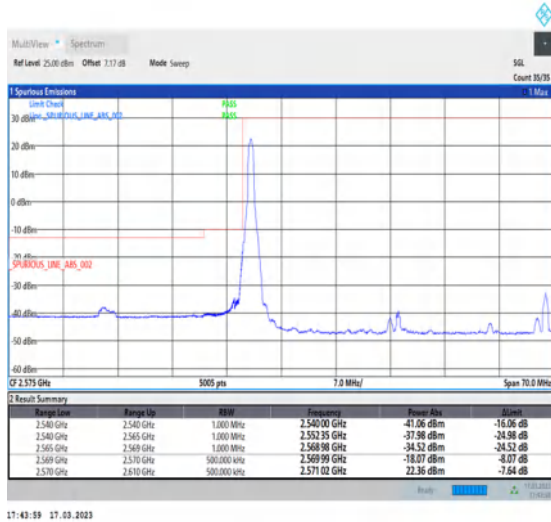
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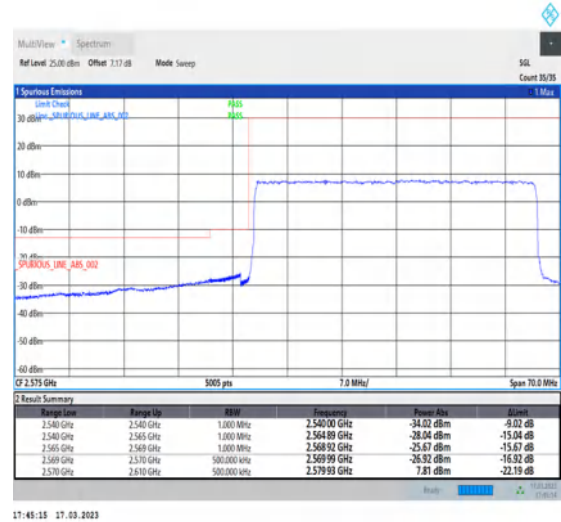
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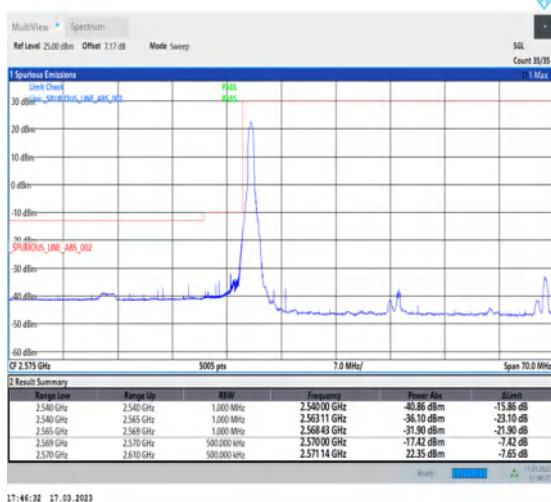
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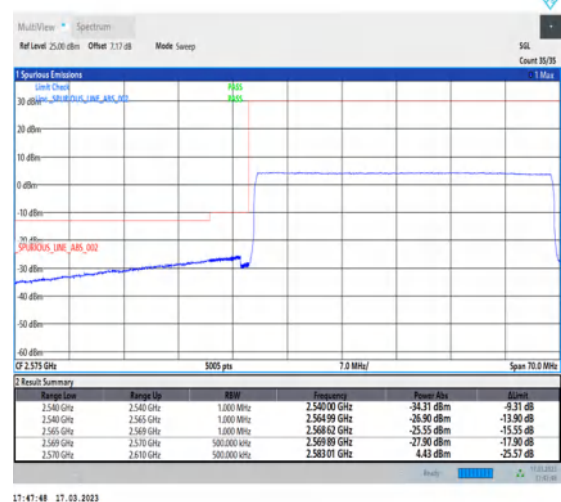
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1-N38-30-40-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



1-N38-30-40-L-6-CP-QPSK-Outer_Full-106@0-Ant1-1--PASS-see graph



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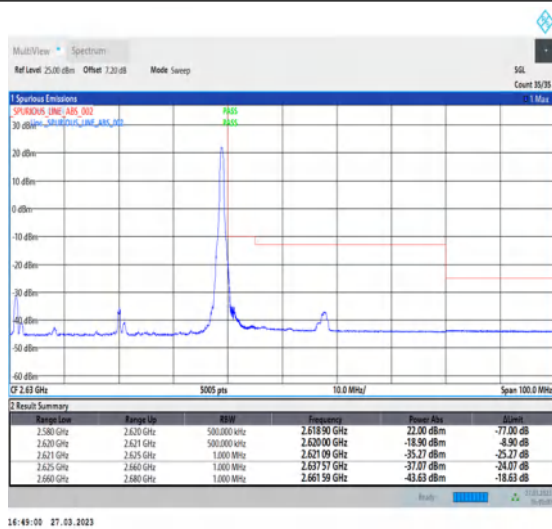
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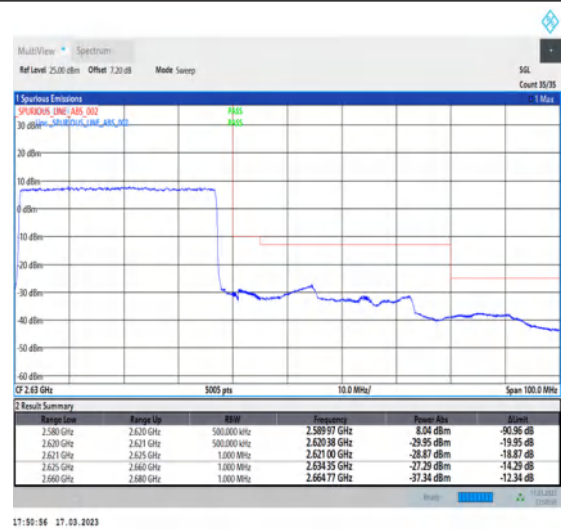
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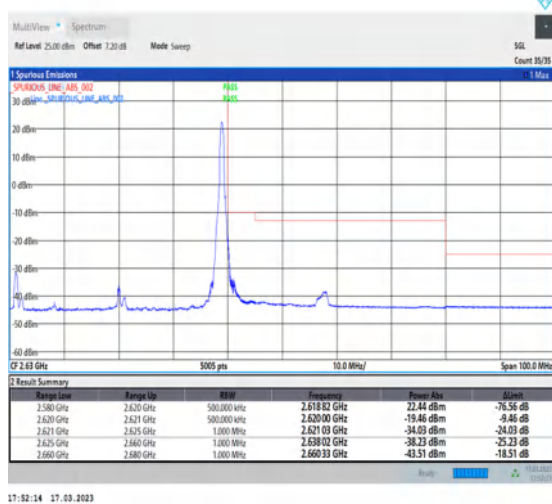
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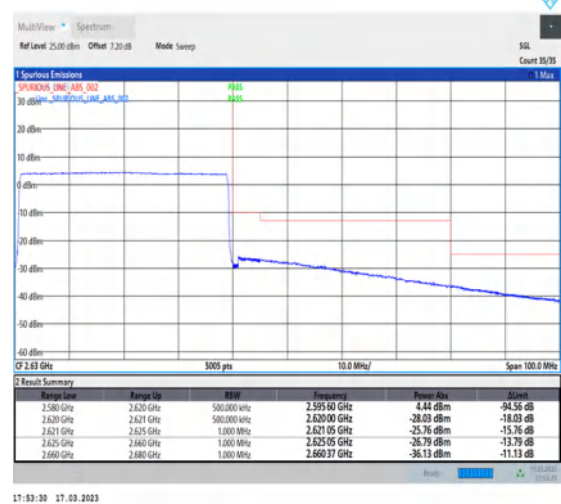
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1-N38-30-40-H-5-CP-QPSK-Edge_1RB_Right-1@105-Ant1-1--PASS-see graph



1-N38-30-40-H-6-CP-QPSK-Outer_Full-106@0-Ant1-1--PASS-see graph



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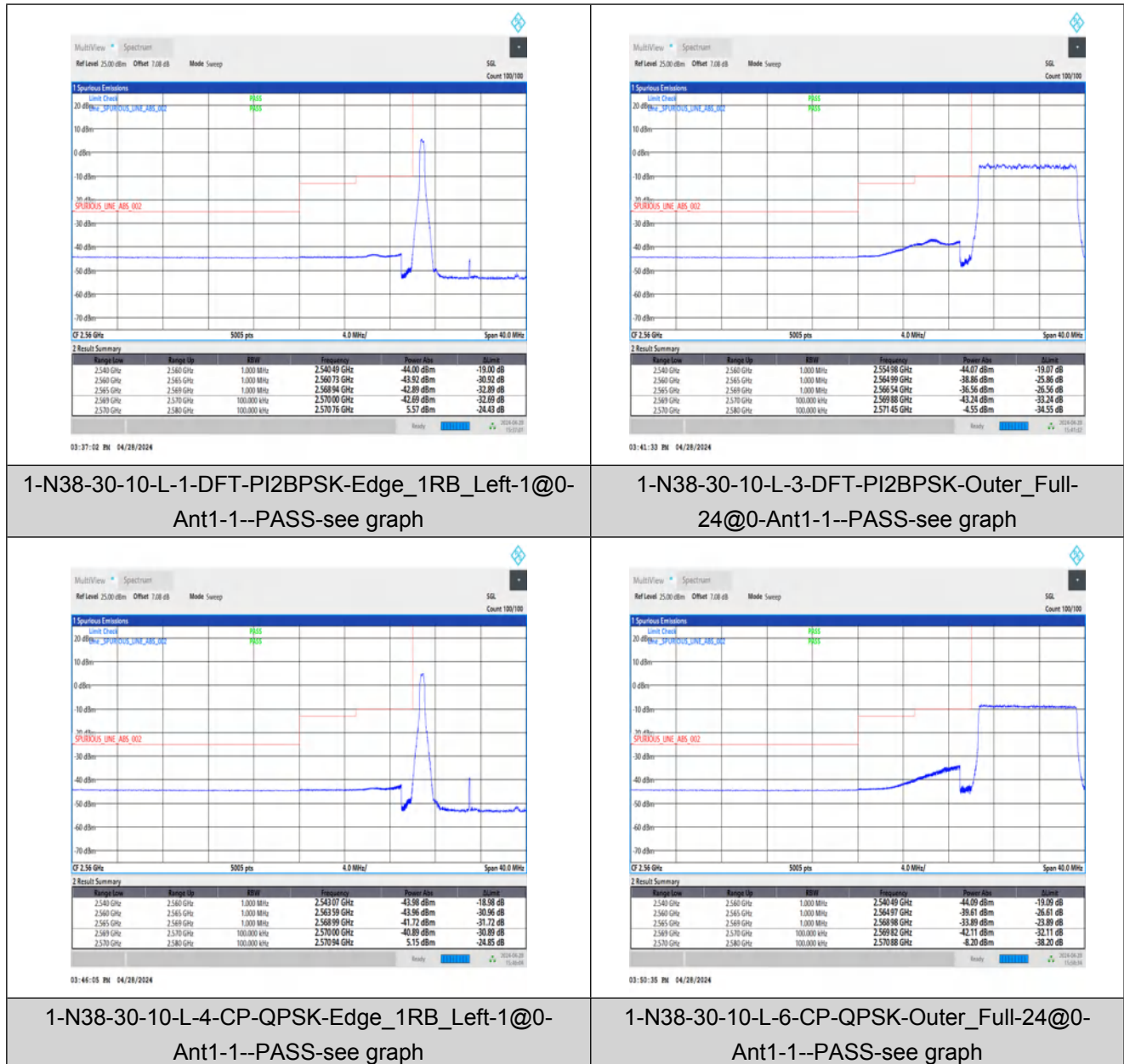
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Band Edge for MIMO

Test Graphs



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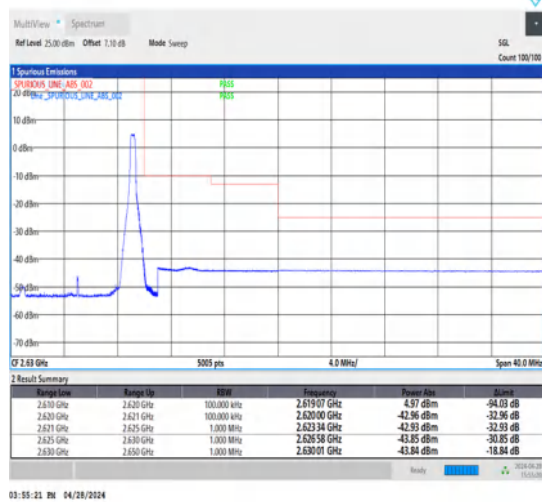
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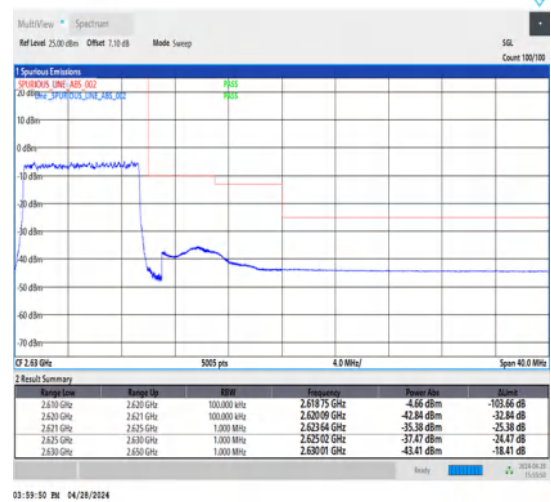
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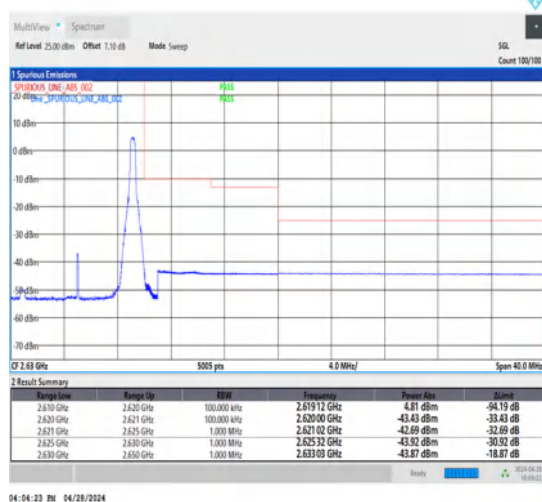
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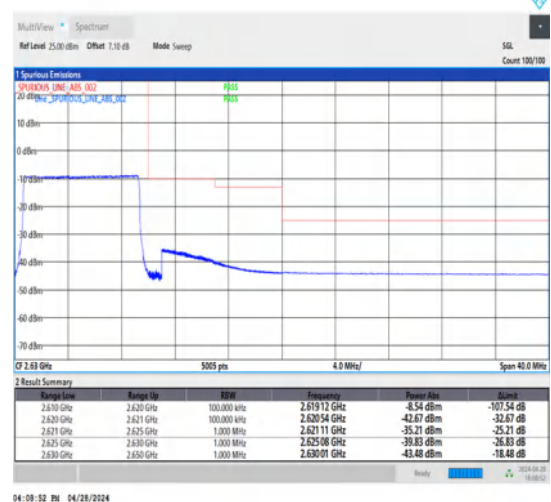
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1-N38-30-10-H-5-CP-QPSK-Edge_1RB_Right-1@23-Ant1-1--PASS-see graph



1-N38-30-10-H-6-CP-QPSK-Outer_Full-24@0-Ant1-1--PASS-see graph



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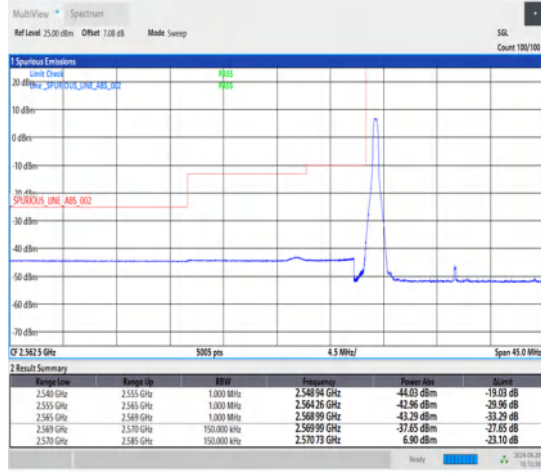
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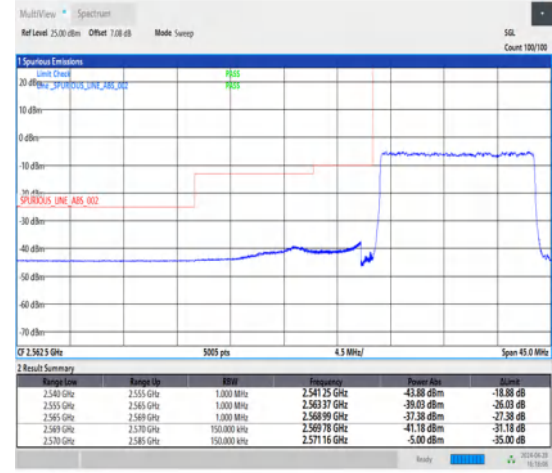
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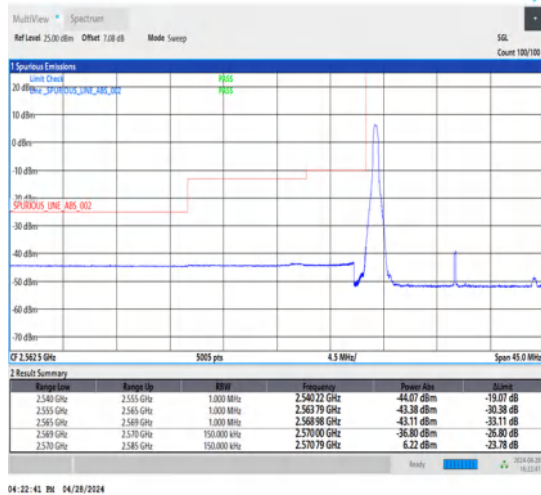
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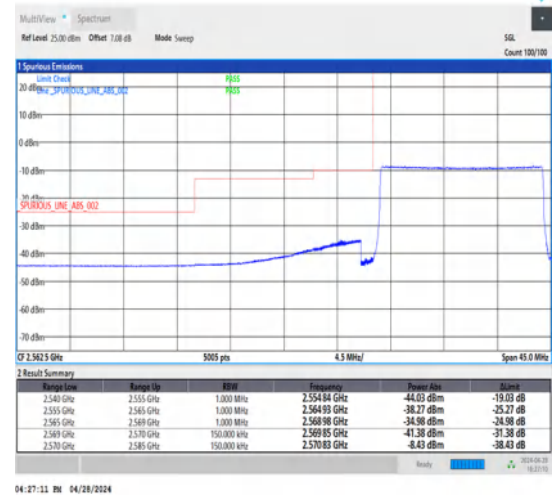
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1-N38-30-15-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



1-N38-30-15-L-6-CP-QPSK-Outer_Full-38@0-Ant1-1--PASS-see graph



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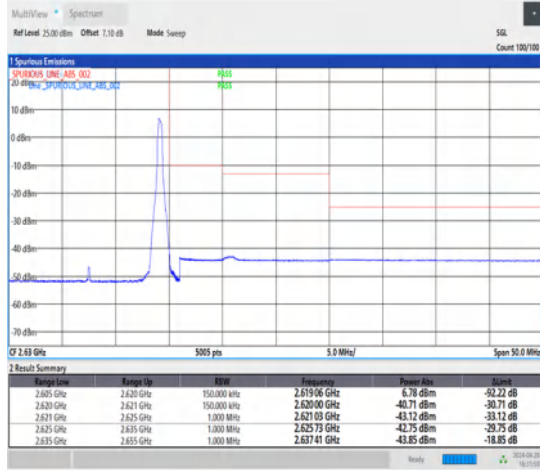
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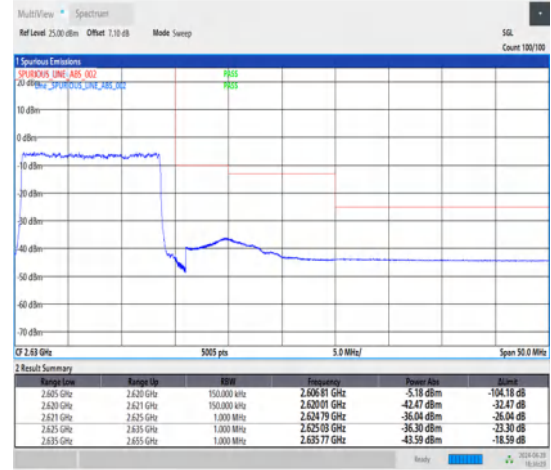
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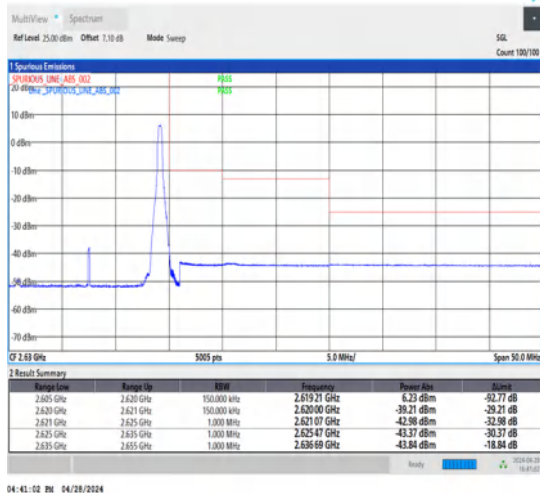
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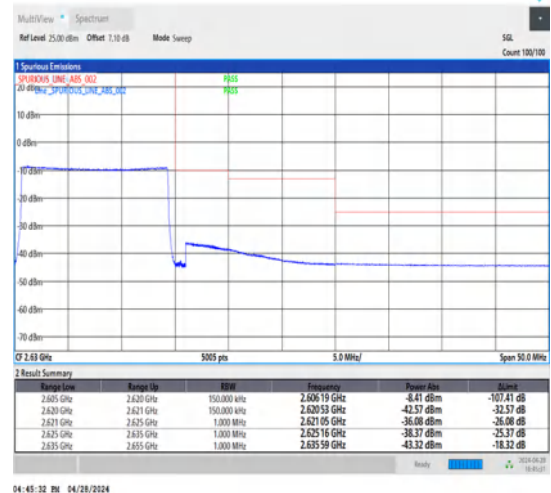
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1-N38-30-15-H-5-CP-QPSK-Edge_1RB_Right-1@37-Ant1-1--PASS-see graph



1-N38-30-15-H-6-CP-QPSK-Outer_Full-38@0-Ant1-1--PASS-see graph



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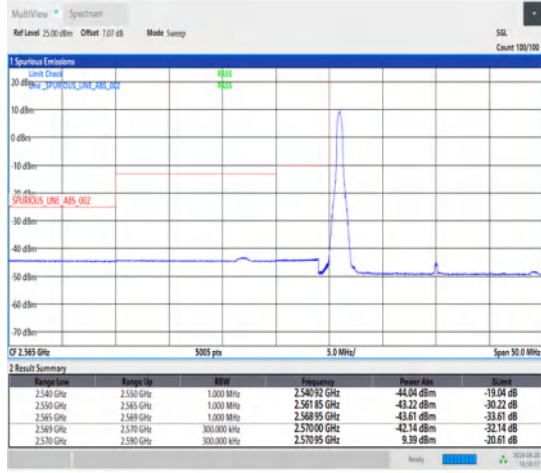
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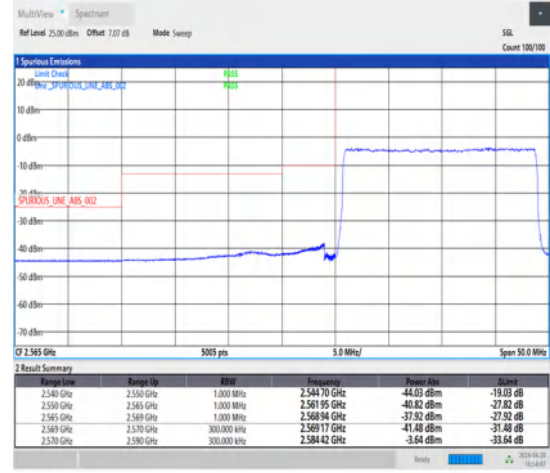
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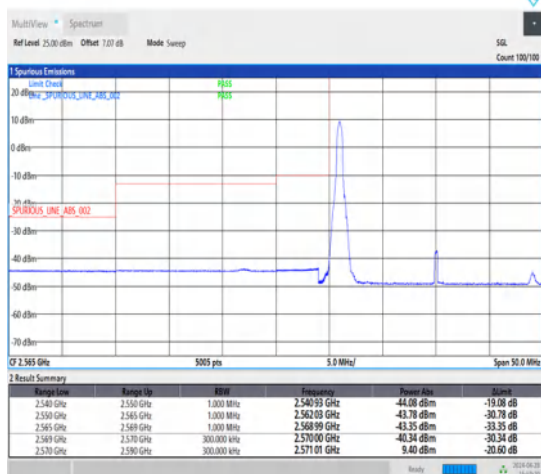
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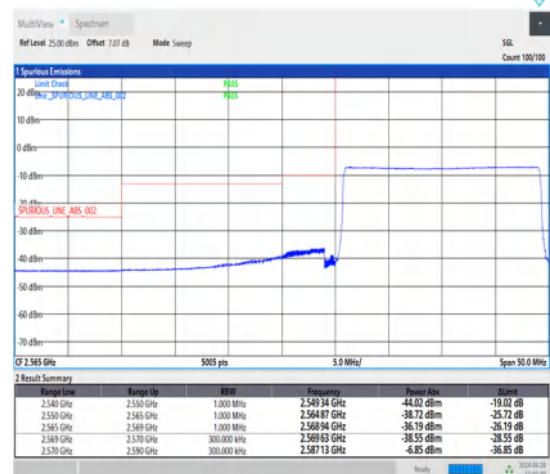
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1-N38-30-20-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



1-N38-30-20-L-6-CP-QPSK-Outer_Full-51@0-Ant1-1--PASS-see graph



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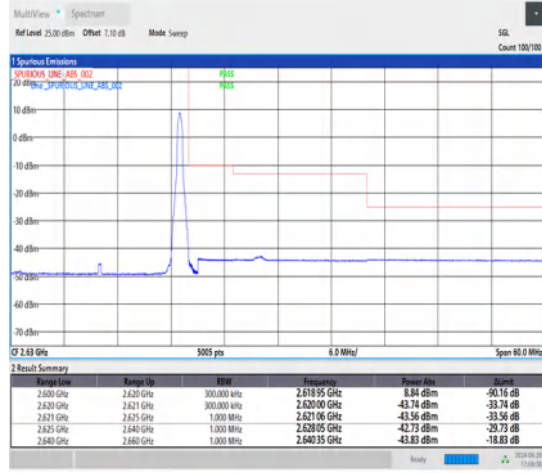
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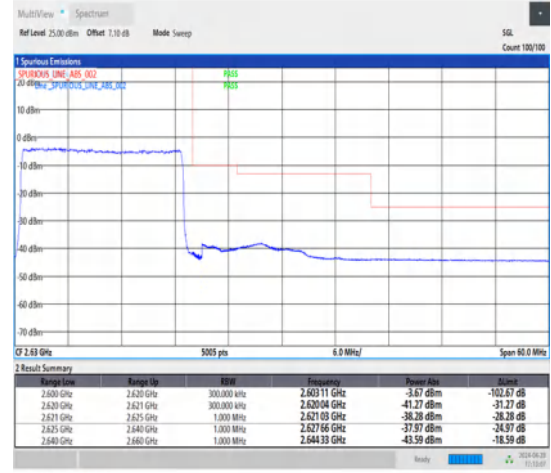
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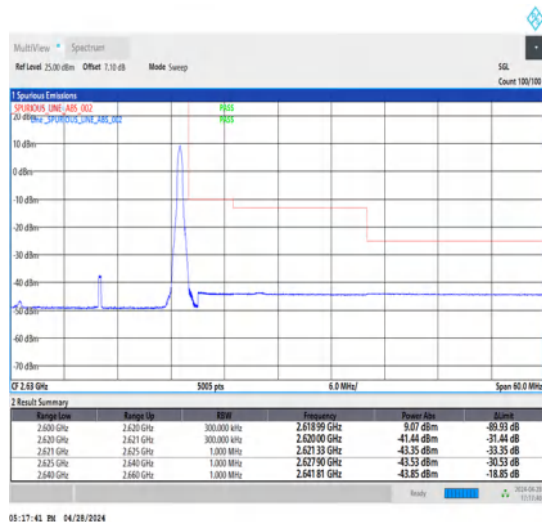
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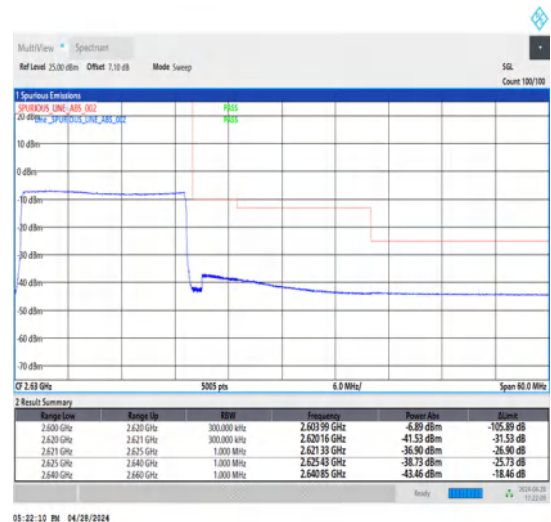
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1-N38-30-20-H-5-CP-QPSK-Edge_1RB_Right-1@50-Ant1-1--PASS-see graph



1-N38-30-20-H-6-CP-QPSK-Outer_Full-51@0-Ant1-1--PASS-see graph



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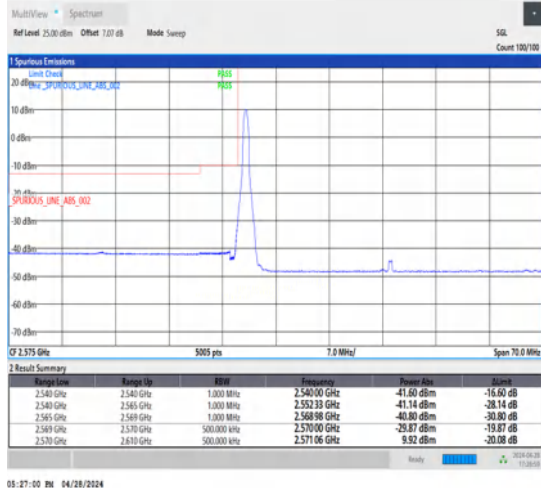
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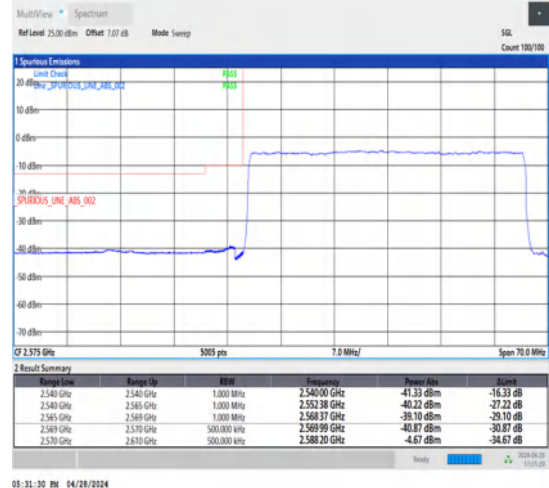
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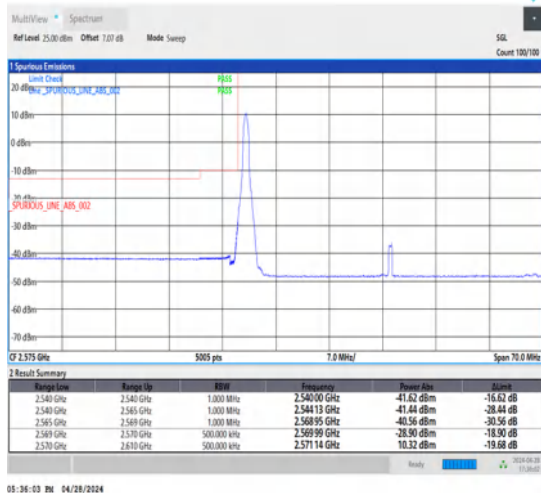
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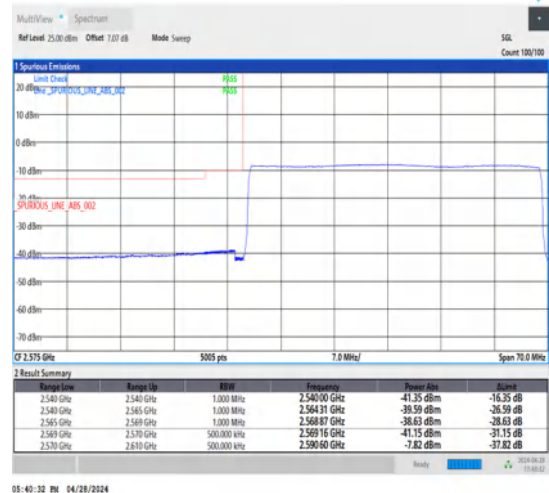
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1-N38-30-40-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



1-N38-30-40-L-6-CP-QPSK-Outer_Full-106@0-Ant1-1--PASS-see graph



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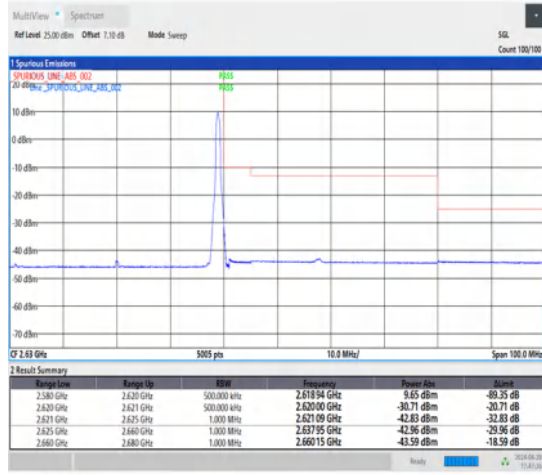
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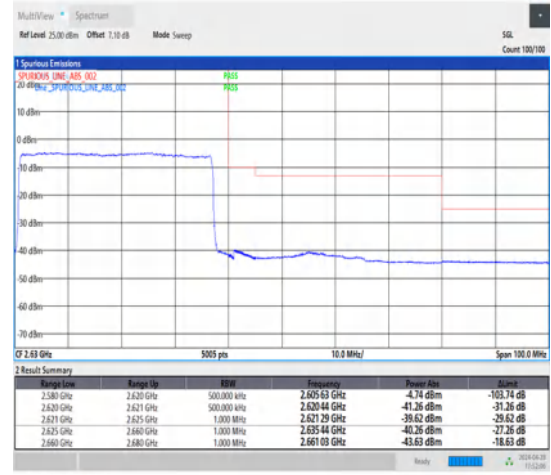
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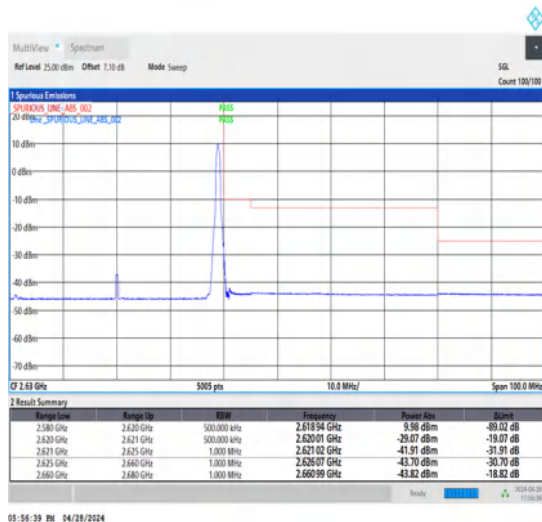
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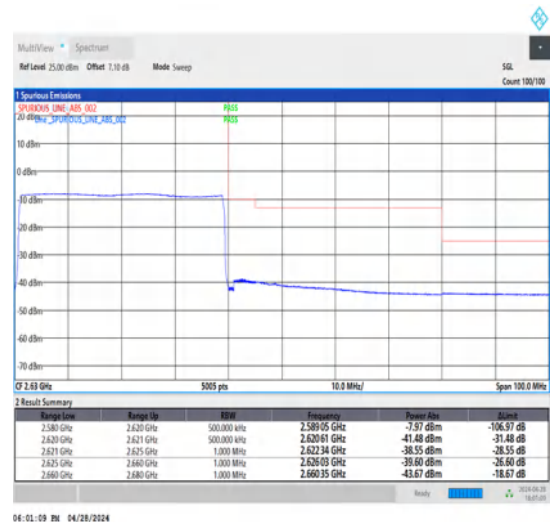
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1-N38-30-40-H-5-CP-QPSK-Edge_1RB_Right-1@105-Ant1-1--PASS-see graph



1-N38-30-40-H-6-CP-QPSK-Outer_Full-106@0-Ant1-1--PASS-see graph



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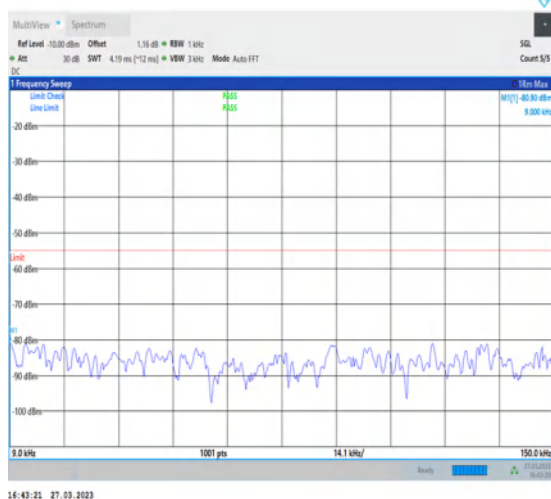
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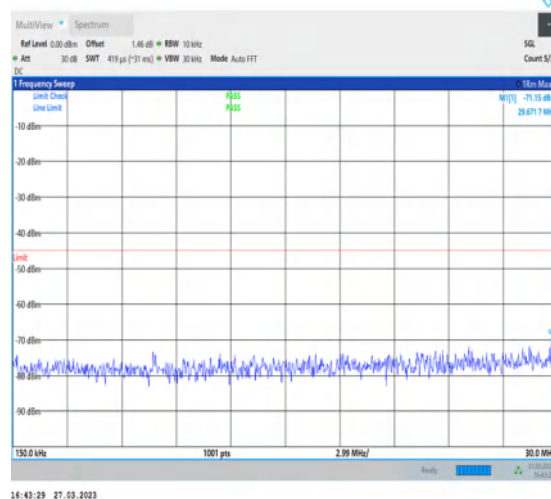
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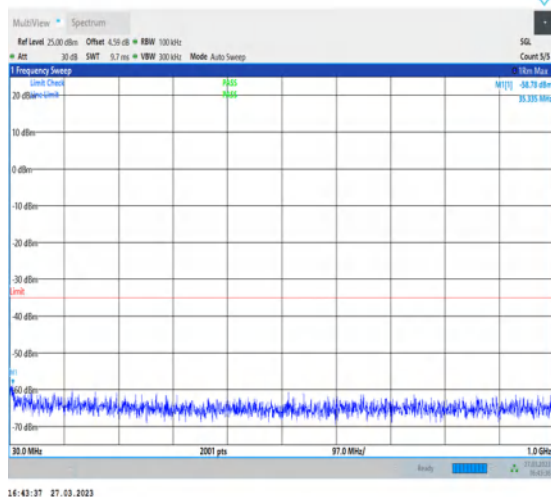
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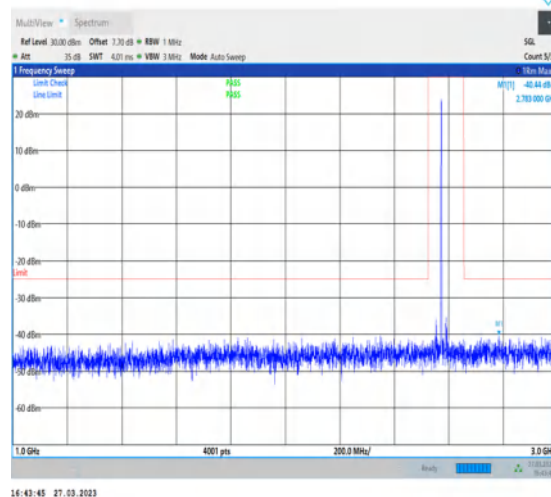
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1-N38-30-40-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-30-1000-Ant1-33.88--58.78--35-PASS



1-N38-30-40-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-3000-Ant1-2840.00--40.44--25-PASS



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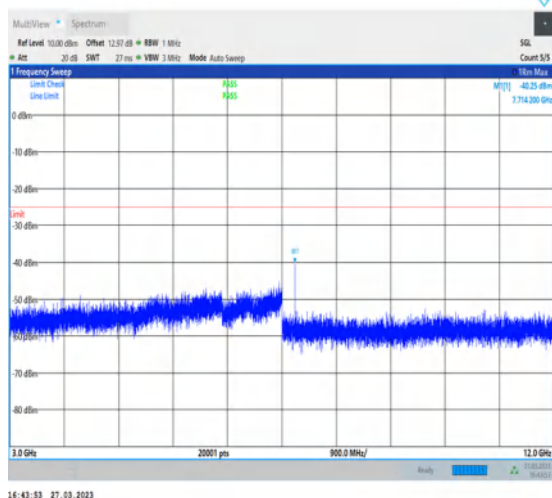
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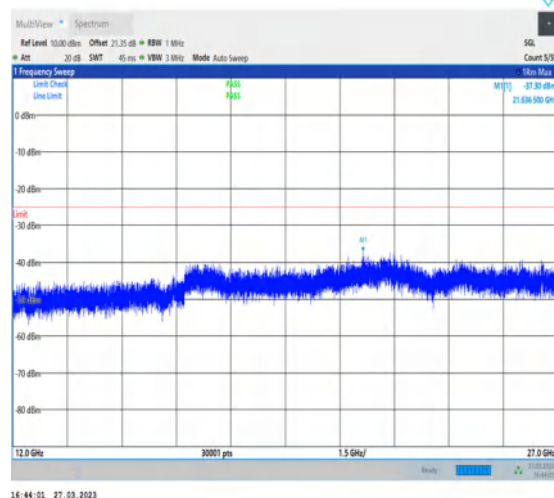
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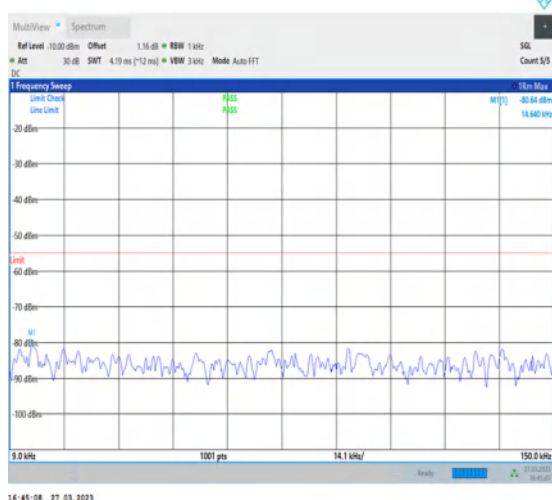
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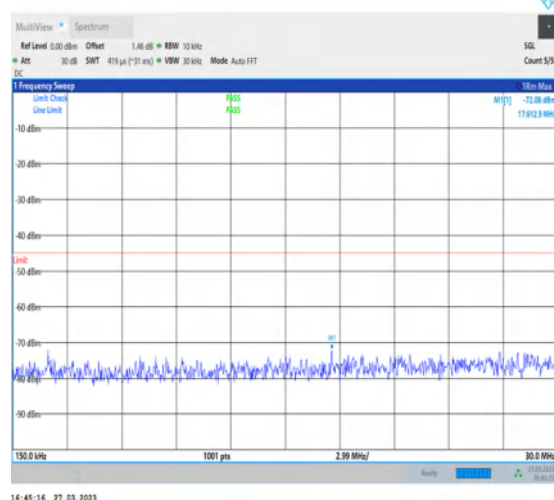
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1-N38-30-40-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant1-26.48--72.08--45-PASS



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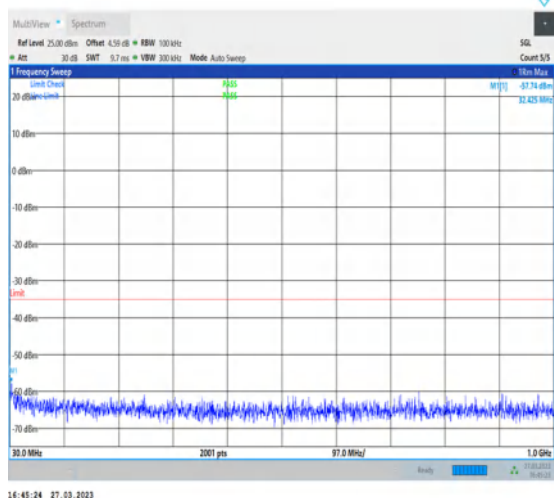
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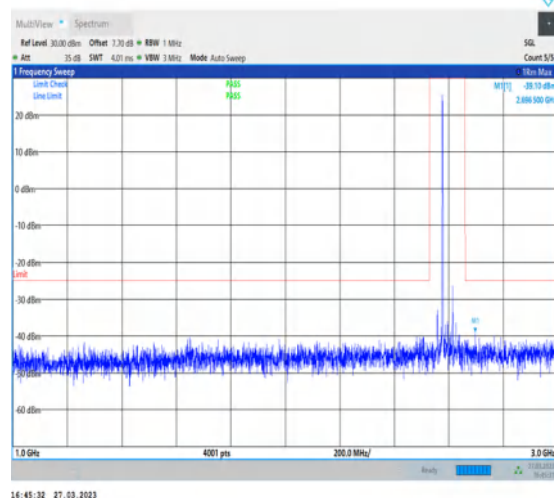
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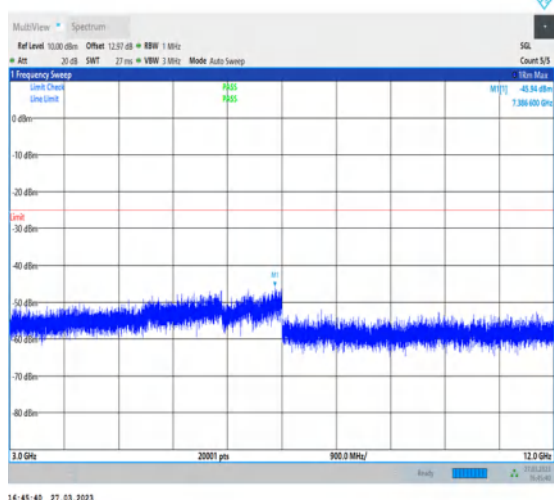
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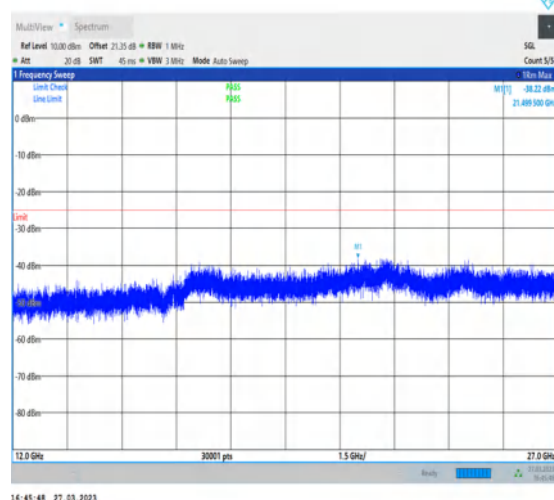
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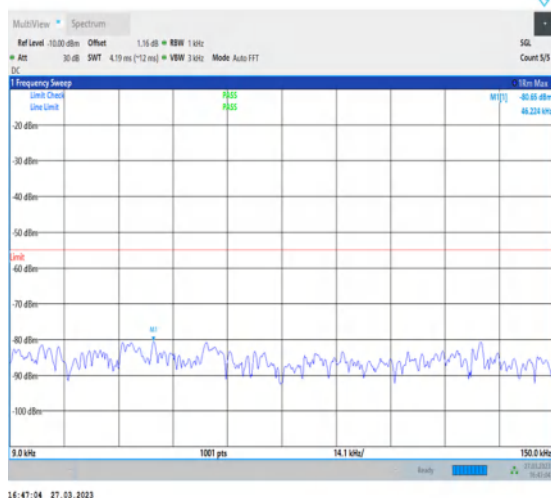
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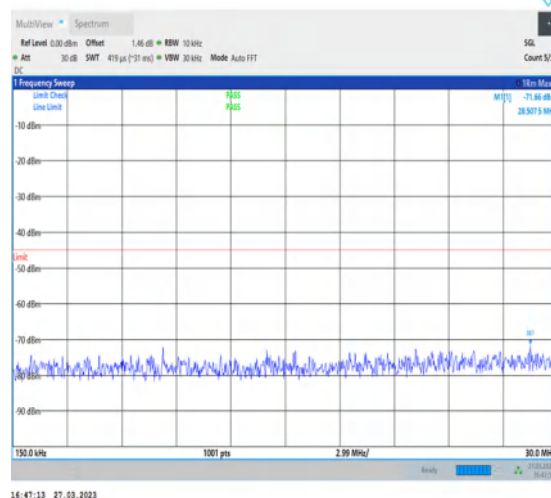
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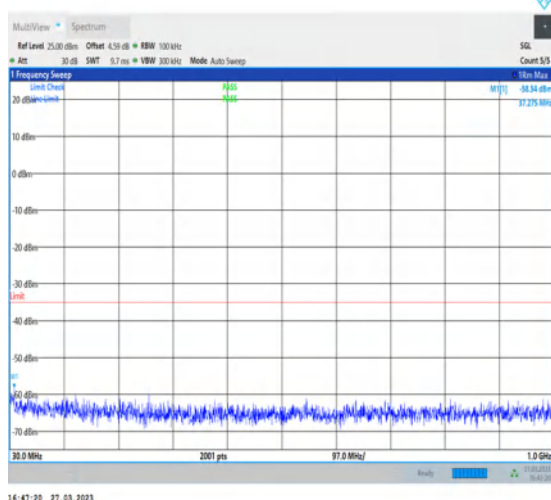
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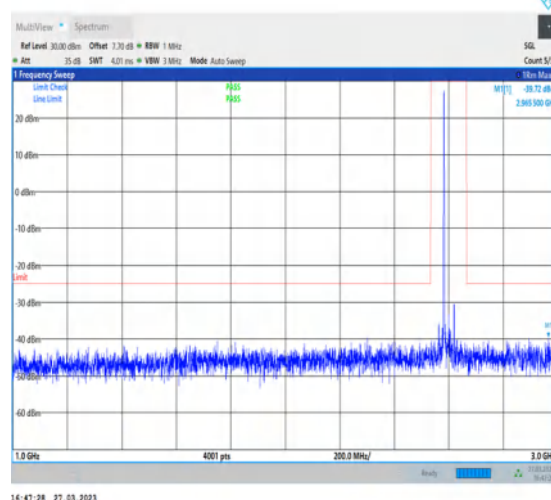
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1-N38-30-40-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-3000-Ant1-2890.50--39.72--25-PASS



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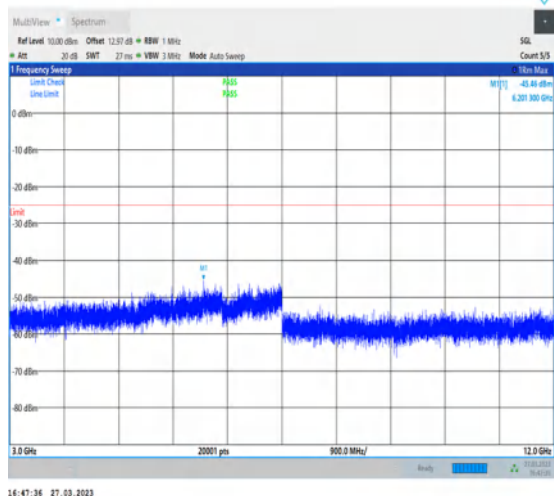
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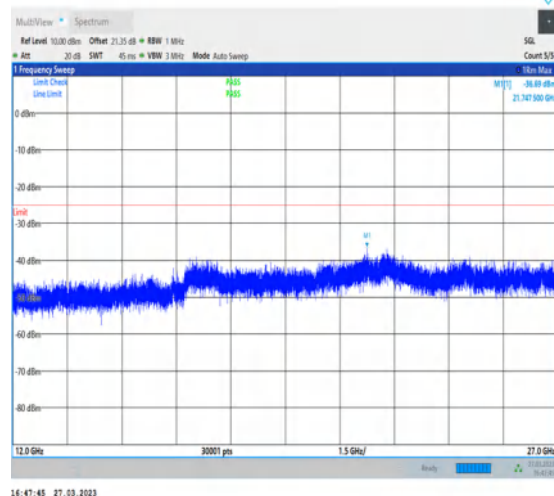
Report No.: SEWM2311000473RG02

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1-N38-30-40-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-3000-12000-Ant1-7414.05--45.46--25-PASS



1-N38-30-40-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-12000-27000-Ant1-21767.50--36.69--25-PASS



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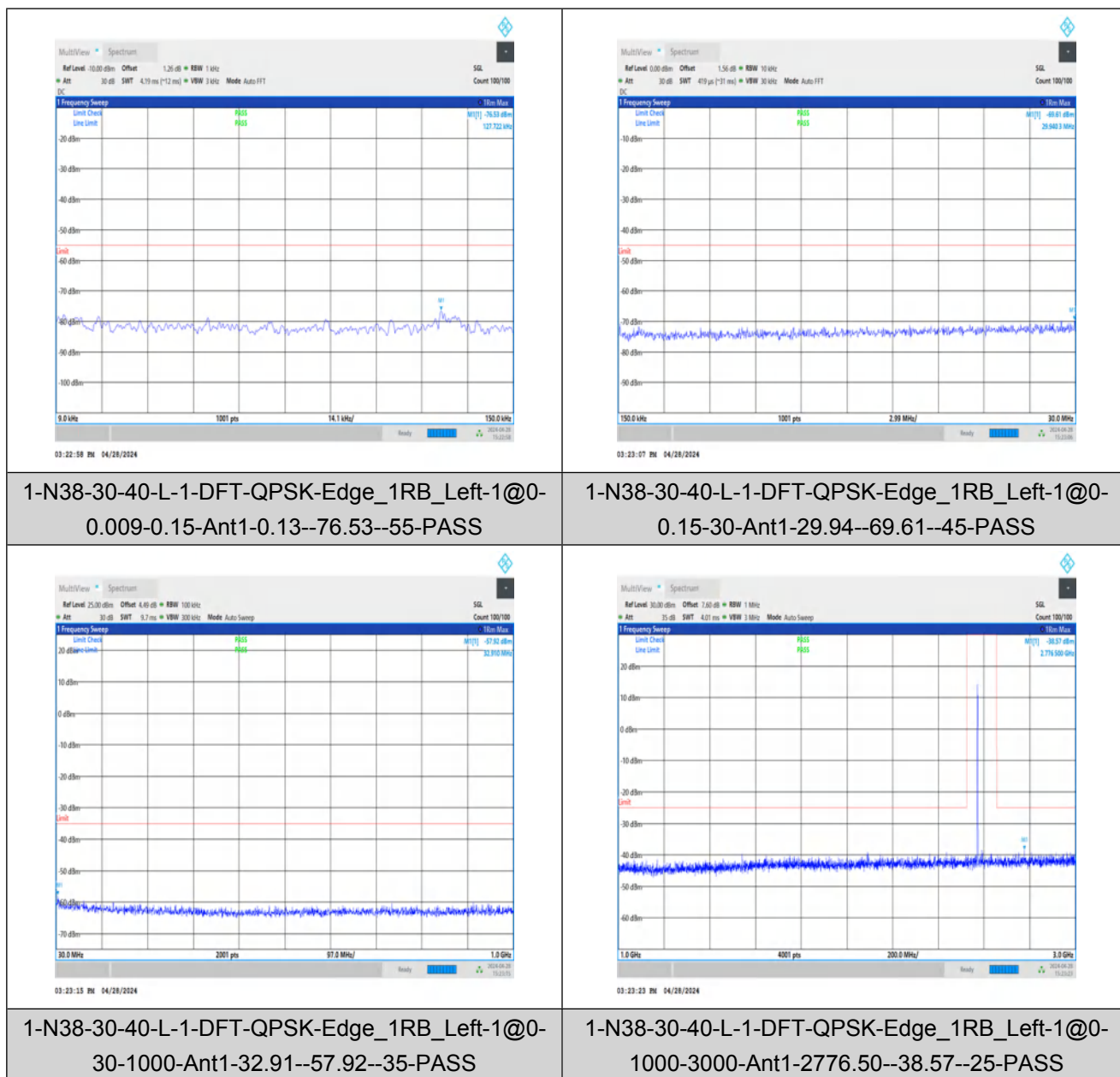
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Conducted Spurious Emission for MIMO

Test Graphs



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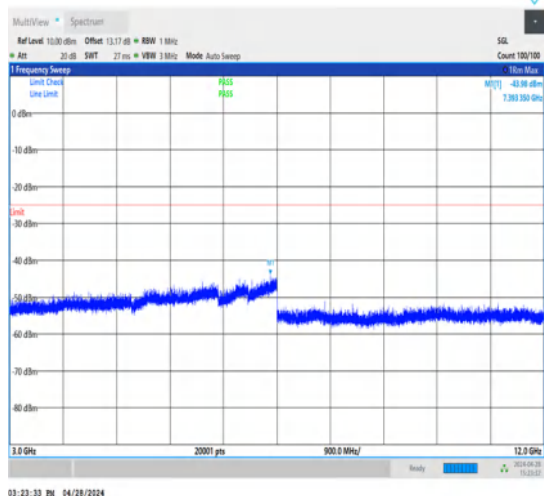
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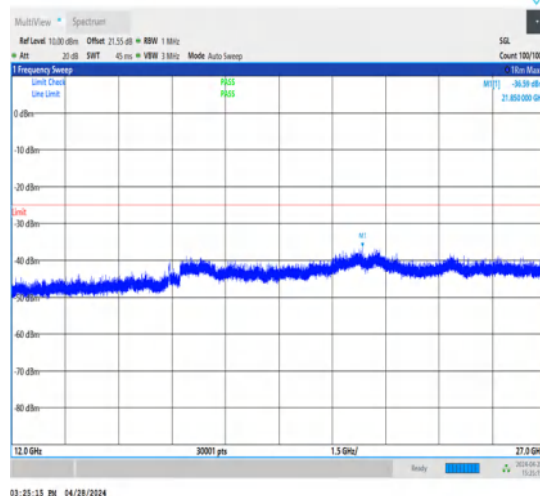
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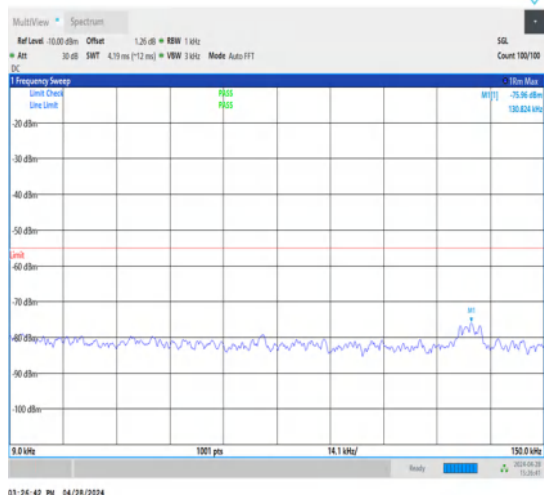
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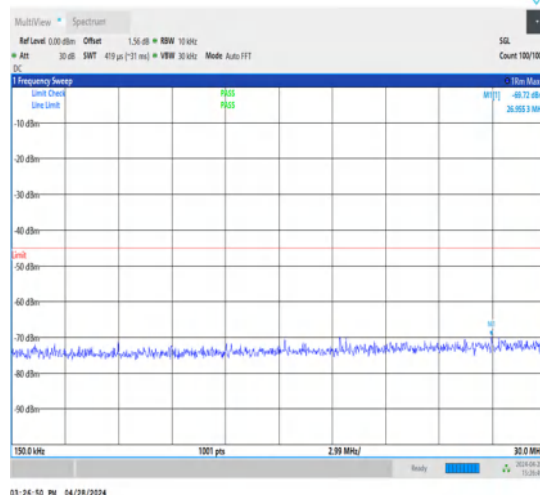
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1-N38-30-40-L-1-DFT-QPSK-Edge_1RB_Left-1@0-12000-27000-Ant1-21850.00--36.59--25-PASS



1-N38-30-40-M-1-DFT-QPSK-Edge_1RB_Left-1@0-0.009-0.15-Ant1-0.13--75.96--55-PASS



1-N38-30-40-M-1-DFT-QPSK-Edge_1RB_Left-1@0-0.15-30-Ant1-26.96--69.72--45-PASS



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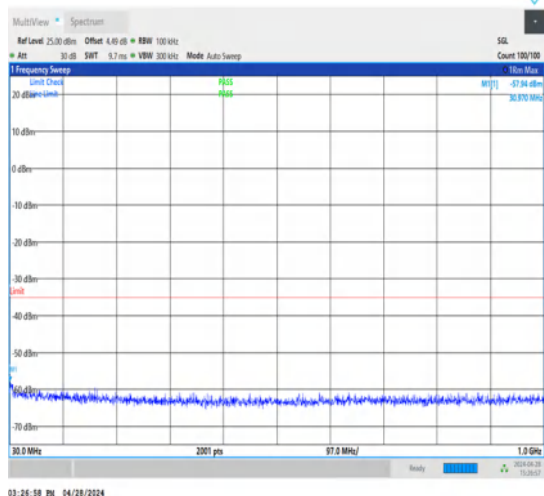
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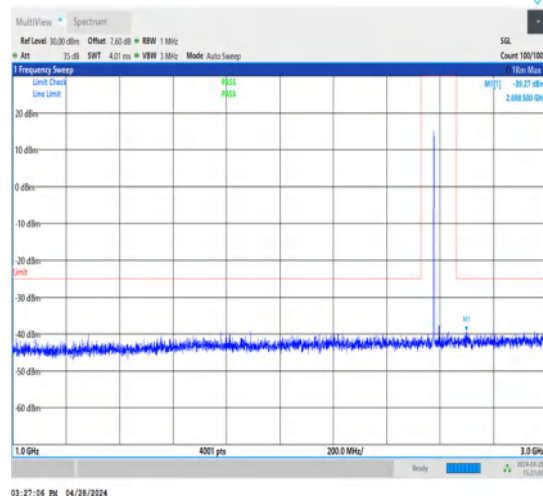
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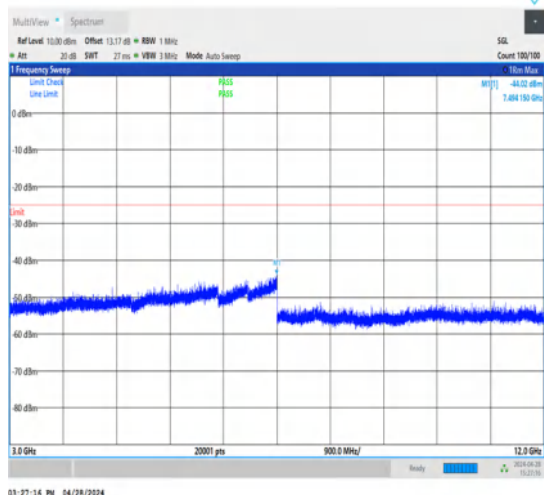
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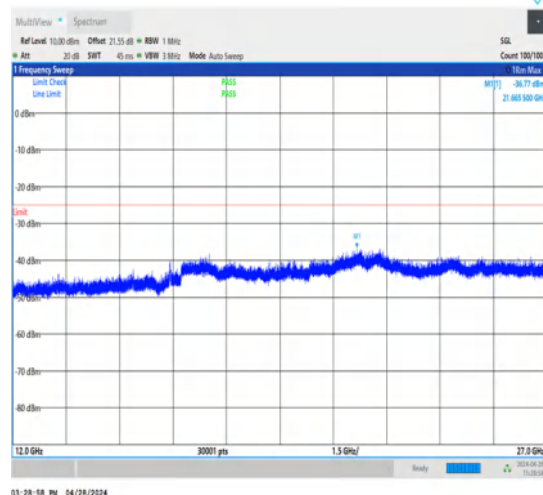
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1-N38-30-40-M-1-DFT-QPSK-Edge_1RB_Left-1@0-1000-3000-Ant1-2698.50--39.27--25-PASS



1-N38-30-40-M-1-DFT-QPSK-Edge_1RB_Left-1@0-3000-12000-Ant1-7494.15--44.02--25-PASS



1-N38-30-40-M-1-DFT-QPSK-Edge_1RB_Left-1@0-12000-27000-Ant1-21665.50--36.77--25-PASS



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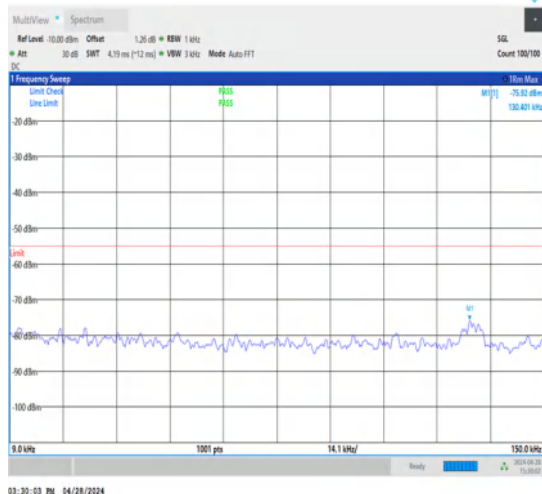
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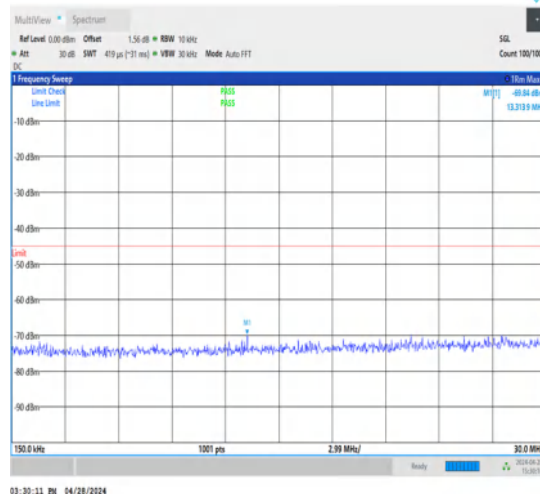
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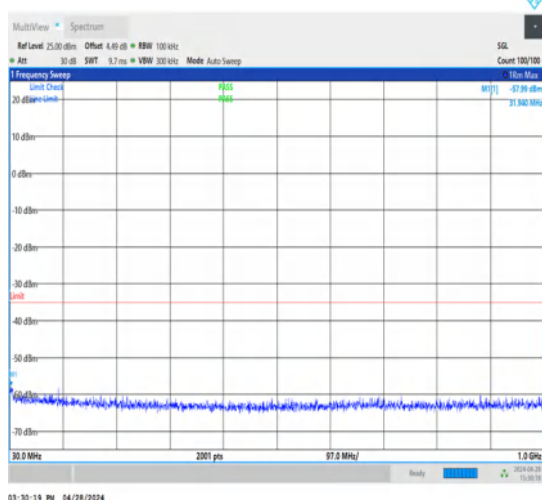
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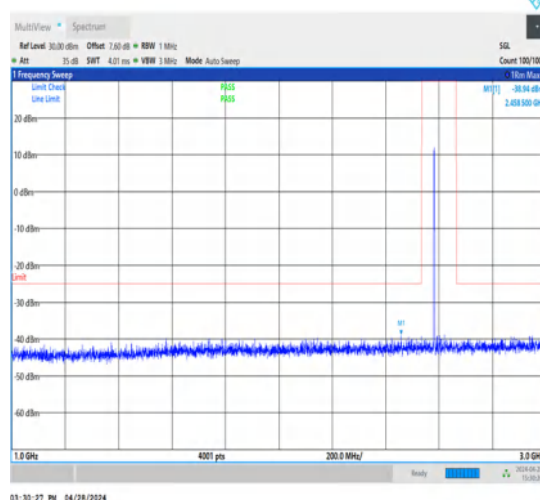
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1-N38-30-40-H-1-DFT-QPSK-Edge_1RB_Left-1@0-0.15-30-Ant1-13.31--69.84--45-PASS



1-N38-30-40-H-1-DFT-QPSK-Edge_1RB_Left-1@0-30-1000-Ant1-31.94--57.99--35-PASS



1-N38-30-40-H-1-DFT-QPSK-Edge_1RB_Left-1@0-1000-3000-Ant1-2458.50--38.94--25-PASS



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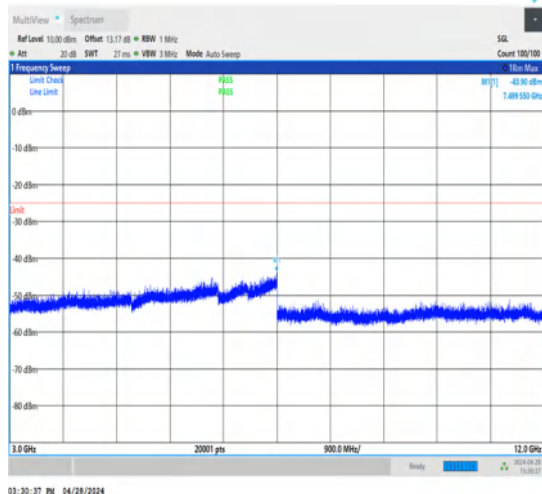
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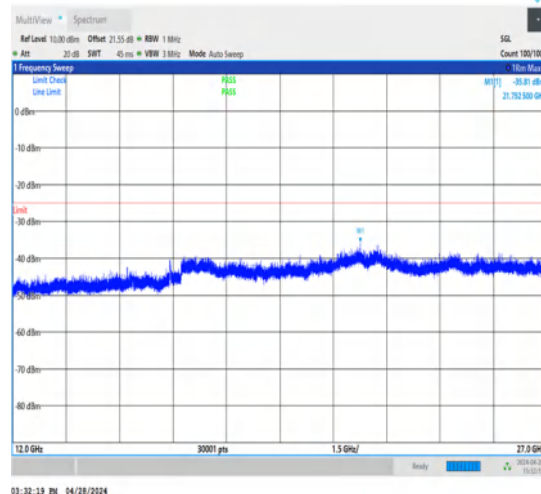
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1-N38-30-40-H-1-DFT-QPSK-Edge_1RB_Left-1@0-12000-27000-Ant1-21752.50--35.81--25-PASS



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Field Strength of Spurious Radiation

Test Band = SA Band38_40MHz _ TM1

Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3922.5	43.50	-46.23	30.62	-67.37	-25.00	42.37	245	122	Horizontal
2	5144.1800	43.59	-45.33	32.96	-64.04	-25.00	39.04	136	77	Horizontal
3	7716.2700	39.50	-42.98	36.62	-62.13	-25.00	37.13	256	18	Horizontal
4	10288.3600	35.29	-39.14	38.83	-60.28	-25.00	35.28	192	270	Horizontal
5	12860.4500	31.89	-37.00	39.69	-60.68	-25.00	35.68	174	272	Horizontal
6	15432.5400	30.78	-34.11	38.67	-59.92	-25.00	34.92	154	8	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3923.25	43.92	-46.22	30.62	-66.94	-25.00	41.94	154	210	Vertical
2	5144.1800	45.47	-45.33	32.96	-62.16	-25.00	37.16	126	1	Vertical
3	7716.2700	39.56	-42.98	36.62	-62.07	-25.00	37.07	135	0	Vertical
4	10288.3600	34.66	-39.14	38.83	-60.91	-25.00	35.91	174	16	Vertical
5	12860.4500	31.86	-37.00	39.69	-60.71	-25.00	35.71	156	256	Vertical
6	15432.5400	29.79	-34.11	38.67	-60.91	-25.00	35.91	291	91	Vertical



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Test Band = SA Band38_40MHz _ TM1
Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3343.5	44.30	-46.38	29.50	-67.84	-25.00	42.84	255	91	Horizontal
2	5154.1800	44.15	-45.32	32.97	-63.47	-25.00	38.47	148	77	Horizontal
3	7731.2700	39.77	-42.86	36.65	-61.71	-25.00	36.71	163	300	Horizontal
4	10308.3600	33.85	-39.08	38.84	-61.66	-25.00	36.66	265	152	Horizontal
5	12885.4500	31.57	-37.07	39.72	-61.04	-25.00	36.04	199	3	Horizontal
6	15462.5400	30.44	-34.67	38.63	-60.86	-25.00	35.86	172	0	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4062	43.39	-45.87	30.89	-66.84	-25.00	41.84	255	3	Vertical
2	5154.1800	47.67	-45.32	32.97	-59.95	-25.00	34.95	136	47	Vertical
3	7731.2700	39.15	-42.86	36.65	-62.33	-25.00	37.33	256	331	Vertical
4	10308.3600	34.36	-39.08	38.84	-61.15	-25.00	36.15	142	122	Vertical
5	12885.4500	31.71	-37.07	39.72	-60.90	-25.00	35.90	188	357	Vertical
6	15462.5400	29.66	-34.67	38.63	-61.64	-25.00	36.64	192	227	Vertical



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Test Band = SA Band38_40MHz _ TM1
Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4075.5	42.99	-45.83	30.91	-67.19	-25.00	42.19	241	78	Horizontal
2	5164.1800	45.20	-45.31	32.97	-62.40	-25.00	37.40	136	108	Horizontal
3	7746.2700	39.75	-42.74	36.68	-61.58	-25.00	36.58	233	242	Horizontal
4	10328.3600	34.38	-39.07	38.84	-61.10	-25.00	36.10	216	108	Horizontal
5	12910.4500	31.89	-37.13	39.74	-60.76	-25.00	35.76	198	168	Horizontal
6	15492.5400	28.50	-35.23	38.58	-63.41	-25.00	38.41	175	0	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3686.25	43.24	-45.59	29.92	-67.69	-25.00	42.69	287	347	Vertical
2	5164.1800	46.26	-45.31	32.97	-61.34	-25.00	36.34	149	31	Vertical
3	7746.2700	39.83	-42.74	36.68	-61.50	-25.00	36.50	185	8	Vertical
4	10328.3600	34.09	-39.07	38.84	-61.39	-25.00	36.39	169	357	Vertical
5	12910.4500	31.50	-37.13	39.74	-61.15	-25.00	36.15	174	62	Vertical
6	15492.5400	28.67	-35.23	38.58	-63.24	-25.00	38.24	135	331	Vertical



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Test Band = SA Band38 _40MHz _ULMIMO_ TM1

Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4026.75	42.65	-45.97	30.84	-67.73	-25.00	42.73	215	0	Horizontal
2	4738.5	41.36	-45.58	32.13	-67.34	-25.00	42.34	136	331	Horizontal
3	5552.25	40.87	-45.15	32.97	-66.57	-25.00	41.57	251	107	Horizontal
4	6690.75	39.76	-43.86	35.62	-63.74	-25.00	38.74	145	302	Horizontal
5	8457.75	36.86	-41.55	37.45	-62.50	-25.00	37.50	185	346	Horizontal
6	11321.25	28.47	-37.41	39.11	-65.09	-25.00	40.09	126	211	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4272.75	42.09	-45.60	31.25	-67.52	-25.00	42.52	251	21	Vertical
2	5217	41.18	-45.25	32.97	-66.35	-25.00	41.35	148	199	Vertical
3	6486.75	40.74	-44.58	34.98	-64.13	-25.00	39.13	186	152	Vertical
4	8101.5	34.84	-41.37	37.05	-64.75	-25.00	39.75	163	318	Vertical
5	10706.25	28.43	-37.93	39.15	-65.61	-25.00	40.61	258	109	Vertical
6	14613.75	24.87	-35.20	39.92	-65.67	-25.00	40.67	174	152	Vertical



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Test Band = SA Band38 _40MHz _ULMIMO_ TM1
Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4758	41.44	-45.57	32.19	-67.19	-25.00	42.19	118	316	Horizontal
2	5964	41.11	-44.88	34.06	-64.97	-25.00	39.97	145	165	Horizontal
3	6996	39.59	-43.57	36.08	-63.17	-25.00	38.17	198	273	Horizontal
4	9087.75	33.80	-40.43	38.26	-63.63	-25.00	38.63	156	0	Horizontal
5	11260.5	28.06	-37.41	39.11	-65.50	-25.00	40.50	172	287	Horizontal
6	12776.25	26.39	-36.79	39.59	-66.08	-25.00	41.08	180	331	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3794.25	42.11	-45.90	30.31	-68.74	-25.00	43.74	255	199	Vertical
2	4739.25	41.52	-45.58	32.13	-67.18	-25.00	42.18	142	319	Vertical
3	5838	40.68	-44.83	33.82	-65.59	-25.00	40.59	163	258	Vertical
4	6996	39.67	-43.57	36.08	-63.09	-25.00	38.09	259	258	Vertical
5	8932.5	35.41	-41.16	38.16	-62.85	-25.00	37.85	291	0	Vertical
6	11835.75	24.80	-37.00	38.79	-68.67	-25.00	43.67	175	0	Vertical



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Test Band = SA Band38_40MHz_ ULMIMO_ TM1
Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4220.25	41.41	-45.72	31.14	-68.43	-25.00	43.43	244	152	Horizontal
2	5057.25	41.29	-45.49	32.91	-66.54	-25.00	41.54	175	195	Horizontal
3	6576	40.10	-44.41	35.34	-64.23	-25.00	39.23	153	17	Horizontal
4	8035.5	36.46	-42.00	37.02	-63.78	-25.00	38.78	261	138	Horizontal
5	10340.25	29.52	-39.06	38.85	-65.95	-25.00	40.95	185	346	Horizontal
6	14340	24.64	-35.62	40.13	-66.11	-25.00	41.11	206	30	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3781.5	41.80	-45.84	30.26	-69.04	-25.00	44.04	144	300	Vertical
2	5241.75	40.79	-45.20	32.95	-66.72	-25.00	41.72	126	251	Vertical
3	6483	40.45	-44.58	34.96	-64.43	-25.00	39.43	259	212	Vertical
4	8547	35.80	-41.48	37.64	-63.31	-25.00	38.31	291	263	Vertical
5	10654.5	27.82	-38.15	39.10	-66.48	-25.00	41.48	148	240	Vertical
6	12071.25	26.00	-37.42	39.03	-67.66	-25.00	42.66	173	0	Vertical



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Test Band = NSA 2A_n38A_TM1

Test Channel = Low

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5169	50.81	-45.31	32.97	-56.78	-25.00	31.78	233	108	Horizontal
2	6724.5	40.10	-43.90	35.69	-63.37	-25.00	38.37	189	211	Horizontal
3	7733.25	39.78	-42.85	36.65	-61.68	-25.00	36.68	206	18	Horizontal
4	9478.5	33.97	-40.14	38.47	-62.96	-25.00	37.96	265	0	Horizontal
5	11215.5	28.08	-37.39	39.11	-65.46	-25.00	40.46	175	35	Horizontal
6	14390.25	24.66	-34.93	40.09	-65.45	-25.00	40.45	144	168	Horizontal

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4843.5	44.97	-45.54	32.44	-63.38	-25.00	38.38	211	35	Vertical
2	7426.5	39.68	-43.34	36.48	-62.44	-25.00	37.44	149	316	Vertical
3	8406.75	37.06	-41.46	37.34	-62.32	-25.00	37.32	128	35	Vertical
4	9426	33.67	-39.93	38.48	-63.04	-25.00	38.04	156	357	Vertical
5	11238	28.31	-37.40	39.11	-65.24	-25.00	40.24	327	273	Vertical
6	16490.25	27.64	-33.90	37.91	-63.62	-25.00	38.62	142	21	Vertical



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Test Band = NSA 2A_n38A_ TM1
Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4843.5	43.82	-45.54	32.44	-64.53	-25.00	39.53	271	35	Horizontal
2	7008	40.58	-43.60	36.10	-62.18	-25.00	37.18	186	153	Horizontal
3	8411.25	37.66	-41.47	37.35	-61.72	-25.00	36.72	239	272	Horizontal
4	11144.25	28.88	-37.71	39.10	-64.99	-25.00	39.99	247	0	Horizontal
5	13856.25	26.36	-35.87	40.01	-64.76	-25.00	39.76	144	243	Horizontal
6	16473	28.06	-34.02	37.87	-63.35	-25.00	38.35	125	331	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5152.5	57.16	-45.32	32.96	-50.46	-25.00	25.46	229	357	Vertical
2	7728.75	42.66	-42.89	36.64	-58.85	-25.00	33.85	185	357	Vertical
3	9426	34.58	-39.93	38.48	-62.13	-25.00	37.13	164	154	Vertical
4	11142	28.85	-37.73	39.10	-65.04	-25.00	40.04	271	227	Vertical
5	13909.5	26.58	-35.48	40.06	-64.10	-25.00	39.10	158	1	Vertical
6	16431.75	28.31	-34.28	37.79	-63.45	-25.00	38.45	220	154	Vertical



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Test Band = NSA 2A_n38A_ TM1
Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5151.75	50.18	-45.32	32.96	-57.44	-25.00	32.44	155	21	Horizontal
2	7005.75	40.28	-43.59	36.09	-62.47	-25.00	37.47	187	1	Horizontal
3	8433	37.96	-41.51	37.40	-61.41	-25.00	36.41	165	316	Horizontal
4	11142	29.52	-37.73	39.10	-64.37	-25.00	39.37	298	148	Horizontal
5	14444.25	26.01	-34.82	40.05	-64.02	-25.00	39.02	156	0	Horizontal
6	17230.5	29.75	-35.14	38.65	-62.00	-25.00	37.00	244	11	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5163	60.20	-45.31	32.97	-47.40	-25.00	22.40	277	43	Vertical
2	7728	45.99	-42.89	36.64	-55.52	-25.00	30.52	181	87	Vertical
3	9481.5	35.15	-40.16	38.47	-61.80	-25.00	36.80	213	301	Vertical
4	11199.75	29.49	-37.39	39.11	-64.05	-25.00	39.05	256	147	Vertical
5	13834.5	27.60	-36.07	39.99	-63.74	-25.00	38.74	247	178	Vertical
6	16451.25	28.12	-34.16	37.83	-63.47	-25.00	38.47	180	224	Vertical



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Test Band = NSA 5A_n38A_ TM1
Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5144.25	55.70	-45.33	32.96	-51.93	-25.00	26.93	229	5	Horizontal
2	6745.5	40.95	-43.97	35.73	-62.55	-25.00	37.55	174	319	Horizontal
3	8407.5	38.19	-41.46	37.35	-61.19	-25.00	36.19	215	49	Horizontal
4	10098.75	32.59	-39.12	38.65	-63.14	-25.00	38.14	293	227	Horizontal
5	13661.25	27.70	-36.13	40.09	-63.60	-25.00	38.60	242	0	Horizontal
6	16367.25	28.48	-34.54	37.70	-63.61	-25.00	38.61	151	35	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5145.75	60.69	-45.33	32.96	-46.94	-25.00	21.94	244	32	Vertical
2	7728	44.75	-42.89	36.64	-56.76	-25.00	31.76	132	32	Vertical
3	9607.5	34.71	-39.65	38.43	-61.77	-25.00	36.77	256	256	Vertical
4	11211.75	30.12	-37.39	39.11	-63.42	-25.00	38.42	288	242	Vertical
5	13850.25	28.13	-35.92	40.01	-63.05	-25.00	38.05	179	0	Vertical
6	17237.25	30.29	-35.17	38.66	-61.49	-25.00	36.49	256	93	Vertical



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Test Band = NSA 5A_n38A_ TM1
Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5151.75	50.52	-45.32	32.96	-57.10	-25.00	32.10	217	120	Horizontal
2	6984	40.98	-43.64	36.06	-61.86	-25.00	36.86	182	148	Horizontal
3	7728	42.21	-42.89	36.64	-59.30	-25.00	34.30	239	1	Horizontal
4	10077	33.49	-39.15	38.61	-62.30	-25.00	37.30	172	7	Horizontal
5	12726	28.67	-36.72	39.50	-63.81	-25.00	38.81	144	29	Horizontal
6	13703.25	28.25	-36.17	40.05	-63.13	-25.00	38.13	286	240	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4531.5	43.87	-45.70	31.64	-65.45	-25.00	40.45	219	64	Vertical
2	5152.5	58.27	-45.32	32.96	-49.35	-25.00	24.35	286	4	Vertical
3	7728	46.45	-42.89	36.64	-55.06	-25.00	30.06	177	213	Vertical
4	10040.25	33.32	-39.19	38.55	-62.58	-25.00	37.58	246	332	Vertical
5	14391	27.27	-34.92	40.09	-62.83	-25.00	37.83	238	92	Vertical
6	17196	30.55	-34.97	38.61	-61.07	-25.00	36.07	175	1	Vertical



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Test Band = NSA 5A_n38A_ TM1
Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5164.5	53.43	-45.31	32.97	-54.17	-25.00	29.17	214	257	Horizontal
2	7728	45.04	-42.89	36.64	-56.47	-25.00	31.47	195	0	Horizontal
3	8412.75	38.49	-41.47	37.36	-60.88	-25.00	35.88	185	213	Horizontal
4	10113.75	33.57	-39.17	38.67	-62.19	-25.00	37.19	142	331	Horizontal
5	13734	28.89	-36.24	40.02	-62.59	-25.00	37.59	135	346	Horizontal
6	16480.5	29.98	-33.97	37.89	-61.36	-25.00	36.36	166	91	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5152.5	59.18	-45.32	32.96	-48.44	-25.00	23.44	214	108	Vertical
2	7728.75	43.17	-42.89	36.64	-58.34	-25.00	33.34	188	240	Vertical
3	8931	37.49	-41.17	38.16	-60.78	-25.00	35.78	170	18	Vertical
4	11210.25	31.33	-37.39	39.11	-62.21	-25.00	37.21	239	24	Vertical
5	13605	29.69	-36.08	40.15	-61.51	-25.00	36.51	306	15	Vertical
6	16488	29.48	-33.92	37.90	-61.80	-25.00	36.80	248	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) - 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

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N38	30	40	DFT-PI2BPSK	M	Outer_Full	VH	NT	1.800000	0.000694	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	VN	NT	-6.400000	-0.002466	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	VL	NT	-6.600000	-0.002543	PASS
N38	30	40	CP-QPSK	M	Outer_Full	VH	NT	7.700000	0.002967	PASS
N38	30	40	CP-QPSK	M	Outer_Full	VN	NT	4.100000	0.001580	PASS
N38	30	40	CP-QPSK	M	Outer_Full	VL	NT	-4.300000	-0.001657	PASS

Frequency Error VS. Temperature

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	-30	6.400000	0.002466	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	-20	-1.800000	-0.000694	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	-10	8.900000	0.003430	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	0	-1.100000	-0.000424	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	10	-8.000000	-0.003083	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	20	-1.500000	-0.000578	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	30	0.800000	0.000308	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	40	-1.300000	-0.000501	PASS
N38	30	40	DFT-	M	Outer_Full	NV	50	4.200000	0.001618	PASS



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			PI2BPSK							
N38	30	40	CP-QPSK	M	Outer_Full	NV	-30	23.400000	0.009017	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	-20	0.000000	0.000000	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	-10	5.600000	0.002158	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	0	10.400000	0.004008	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	10	16.700000	0.006435	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	20	2.500000	0.000963	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	30	11.200000	0.004316	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	40	0.900000	0.000347	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	50	8.800000	0.003391	PASS

---End of Attachment---



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