Appendix B.32

NR Band n48

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Effective (Isotropic) Radiated Power Output Data for SA

Test Result Ant1

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm/10MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Verdict
N48	30	10	DFT-PI2BPSK	L	Inner_1RB_Left	23.62	17.5	23	Pass
N48	30	10	DFT-PI2BPSK	L	Inner_1RB_Right	23.47	17.35	23	Pass
N48	30	10	DFT-PI2BPSK	L	Outer_Full	23.15	17.03	23	Pass
N48	30	10	DFT-QPSK	L	Inner_1RB_Left	23.88	17.76	23	Pass
N48	30	10	DFT-QPSK	L	Inner_1RB_Right	23.69	17.57	23	Pass
N48	30	10	DFT-QPSK	L	Outer_Full	22.89	16.77	23	Pass
N48	30	10	DFT-16QAM	L	Inner_1RB_Left	22.58	16.46	23	Pass
N48	30	10	DFT-16QAM	L	Inner_1RB_Right	22.67	16.55	23	Pass
N48	30	10	DFT-16QAM	L	Outer_Full	22.14	16.02	23	Pass
N48	30	10	DFT-64QAM	L	Inner_1RB_Left	21.98	15.86	23	Pass
N48	30	10	DFT-64QAM	L	Inner_1RB_Right	21.59	15.47	23	Pass
N48	30	10	DFT-64QAM	L	Outer_Full	21.52	15.4	23	Pass
N48	30	10	DFT-256QAM	L	Inner_1RB_Left	18.85	12.73	23	Pass
N48	30	10	DFT-256QAM	L	Inner_1RB_Right	18.71	12.59	23	Pass
N48	30	10	DFT-256QAM	L	Outer_Full	19.6	13.48	23	Pass
N48	30	10	DFT-PI2BPSK	M	Inner_1RB_Left	23.73	17.61	23	Pass
N48	30	10	DFT-PI2BPSK	M	Inner_1RB_Right	23.76	17.64	23	Pass
N48	30	10	DFT-PI2BPSK	M	Outer_Full	23.14	17.02	23	Pass

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N48	30	10	DFT-QPSK	M	Inner_1RB_Left	23.62	17.5	23	Pass
N48	30	10	DFT-QPSK	M	Inner_1RB_Right	23.51	17.39	23	Pass
N48	30	10	DFT-QPSK	M	Outer_Full	23.15	17.03	23	Pass
N48	30	10	DFT-16QAM	M	Inner_1RB_Left	22.81	16.69	23	Pass
N48	30	10	DFT-16QAM	M	Inner_1RB_Right	22.89	16.77	23	Pass
N48	30	10	DFT-16QAM	M	Outer_Full	22	15.88	23	Pass
N48	30	10	DFT-64QAM	M	Inner_1RB_Left	21.64	15.52	23	Pass
N48	30	10	DFT-64QAM	M	Inner_1RB_Right	21.53	15.41	23	Pass
N48	30	10	DFT-64QAM	M	Outer_Full	21.45	15.33	23	Pass
N48	30	10	DFT-256QAM	M	Inner_1RB_Left	19.06	12.94	23	Pass
N48	30	10	DFT-256QAM	M	Inner_1RB_Right	18.88	12.76	23	Pass
N48	30	10	DFT-256QAM	M	Outer_Full	19.51	13.39	23	Pass
N48	30	10	DFT-PI2BPSK	H	Inner_1RB_Left	23.54	17.42	23	Pass
N48	30	10	DFT-PI2BPSK	H	Inner_1RB_Right	23.68	17.56	23	Pass
N48	30	10	DFT-PI2BPSK	H	Outer_Full	23.4	17.28	23	Pass
N48	30	10	DFT-QPSK	H	Inner_1RB_Left	23.35	17.23	23	Pass
N48	30	10	DFT-QPSK	H	Inner_1RB_Right	23.33	17.21	23	Pass
N48	30	10	DFT-QPSK	H	Outer_Full	23	16.88	23	Pass
N48	30	10	DFT-16QAM	H	Inner_1RB_Left	22.96	16.84	23	Pass
N48	30	10	DFT-16QAM	H	Inner_1RB_Right	22.96	16.84	23	Pass
N48	30	10	DFT-16QAM	H	Outer_Full	21.97	15.85	23	Pass

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N48	30	10	DFT-64QAM	H	Inner_1RB_Left	21.35	15.23	23	Pass
N48	30	10	DFT-64QAM	H	Inner_1RB_Right	21.58	15.46	23	Pass
N48	30	10	DFT-64QAM	H	Outer_Full	21.83	15.71	23	Pass
N48	30	10	DFT-256QAM	H	Inner_1RB_Left	18.99	12.87	23	Pass
N48	30	10	DFT-256QAM	H	Inner_1RB_Right	19.18	13.06	23	Pass
N48	30	10	DFT-256QAM	H	Outer_Full	19.51	13.39	23	Pass
N48	30	15	DFT-PI2BPSK	L	Inner_1RB_Left	23.99	17.87	23	Pass
N48	30	15	DFT-PI2BPSK	L	Inner_1RB_Right	23.66	17.54	23	Pass
N48	30	15	DFT-PI2BPSK	L	Outer_Full	23.47	17.35	23	Pass
N48	30	15	DFT-QPSK	L	Inner_1RB_Left	23.88	17.76	23	Pass
N48	30	15	DFT-QPSK	L	Inner_1RB_Right	23.76	17.64	23	Pass
N48	30	15	DFT-QPSK	L	Outer_Full	23.23	17.11	23	Pass
N48	30	15	DFT-16QAM	L	Inner_1RB_Left	22.7	16.58	23	Pass
N48	30	15	DFT-16QAM	L	Inner_1RB_Right	22.82	16.7	23	Pass
N48	30	15	DFT-16QAM	L	Outer_Full	21.81	15.69	23	Pass
N48	30	15	DFT-64QAM	L	Inner_1RB_Left	21.66	15.54	23	Pass
N48	30	15	DFT-64QAM	L	Inner_1RB_Right	21.69	15.57	23	Pass
N48	30	15	DFT-64QAM	L	Outer_Full	21.53	15.41	23	Pass
N48	30	15	DFT-256QAM	L	Inner_1RB_Left	18.43	12.31	23	Pass
N48	30	15	DFT-256QAM	L	Inner_1RB_Right	18.66	12.54	23	Pass
N48	30	15	DFT-256QAM	L	Outer_Full	19.38	13.26	23	Pass

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N48	30	15	DFT-PI2BPSK	M	Inner_1RB_Left	23.81	17.69	23	Pass
N48	30	15	DFT-PI2BPSK	M	Inner_1RB_Right	23.39	17.27	23	Pass
N48	30	15	DFT-PI2BPSK	M	Outer_Full	23.71	17.59	23	Pass
N48	30	15	DFT-QPSK	M	Inner_1RB_Left	23.78	17.66	23	Pass
N48	30	15	DFT-QPSK	M	Inner_1RB_Right	23.81	17.69	23	Pass
N48	30	15	DFT-QPSK	M	Outer_Full	23.18	17.06	23	Pass
N48	30	15	DFT-16QAM	M	Inner_1RB_Left	23.18	17.06	23	Pass
N48	30	15	DFT-16QAM	M	Inner_1RB_Right	22.85	16.73	23	Pass
N48	30	15	DFT-16QAM	M	Outer_Full	21.75	15.63	23	Pass
N48	30	15	DFT-64QAM	M	Inner_1RB_Left	21.44	15.32	23	Pass
N48	30	15	DFT-64QAM	M	Inner_1RB_Right	21.72	15.6	23	Pass
N48	30	15	DFT-64QAM	M	Outer_Full	21.25	15.13	23	Pass
N48	30	15	DFT-256QAM	M	Inner_1RB_Left	18.93	12.81	23	Pass
N48	30	15	DFT-256QAM	M	Inner_1RB_Right	18.9	12.78	23	Pass
N48	30	15	DFT-256QAM	M	Outer_Full	19.28	13.16	23	Pass
N48	30	15	DFT-PI2BPSK	H	Inner_1RB_Left	23.43	17.31	23	Pass
N48	30	15	DFT-PI2BPSK	H	Inner_1RB_Right	23.7	17.58	23	Pass
N48	30	15	DFT-PI2BPSK	H	Outer_Full	23.09	16.97	23	Pass
N48	30	15	DFT-QPSK	H	Inner_1RB_Left	23.4	17.28	23	Pass
N48	30	15	DFT-QPSK	H	Inner_1RB_Right	23.53	17.41	23	Pass
N48	30	15	DFT-QPSK	H	Outer_Full	22.86	16.74	23	Pass

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N48	30	15	DFT-16QAM	H	Inner_1RB_Left	22.75	16.63	23	Pass
N48	30	15	DFT-16QAM	H	Inner_1RB_Right	22.64	16.52	23	Pass
N48	30	15	DFT-16QAM	H	Outer_Full	21.81	15.69	23	Pass
N48	30	15	DFT-64QAM	H	Inner_1RB_Left	21.44	15.32	23	Pass
N48	30	15	DFT-64QAM	H	Inner_1RB_Right	21.91	15.79	23	Pass
N48	30	15	DFT-64QAM	H	Outer_Full	21.66	15.54	23	Pass
N48	30	15	DFT-256QAM	H	Inner_1RB_Left	18.62	12.5	23	Pass
N48	30	15	DFT-256QAM	H	Inner_1RB_Right	18.9	12.78	23	Pass
N48	30	15	DFT-256QAM	H	Outer_Full	19.29	13.17	23	Pass
N48	30	20	DFT-PI2BPSK	L	Inner_1RB_Left	23.79	17.67	23	Pass
N48	30	20	DFT-PI2BPSK	L	Inner_1RB_Right	23.9	17.78	23	Pass
N48	30	20	DFT-PI2BPSK	L	Outer_Full	23.31	17.19	23	Pass
N48	30	20	DFT-QPSK	L	Inner_1RB_Left	23.75	17.63	23	Pass
N48	30	20	DFT-QPSK	L	Inner_1RB_Right	23.6	17.48	23	Pass
N48	30	20	DFT-QPSK	L	Outer_Full	23.04	16.92	23	Pass
N48	30	20	DFT-16QAM	L	Inner_1RB_Left	22.64	16.52	23	Pass
N48	30	20	DFT-16QAM	L	Inner_1RB_Right	23.17	17.05	23	Pass
N48	30	20	DFT-16QAM	L	Outer_Full	22.1	15.98	23	Pass
N48	30	20	DFT-64QAM	L	Inner_1RB_Left	21.45	15.33	23	Pass
N48	30	20	DFT-64QAM	L	Inner_1RB_Right	21.76	15.64	23	Pass
N48	30	20	DFT-64QAM	L	Outer_Full	21.54	15.42	23	Pass

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N48	30	20	DFT-256QAM	L	Inner_1RB_Left	19.04	12.92	23	Pass
N48	30	20	DFT-256QAM	L	Inner_1RB_Right	18.91	12.79	23	Pass
N48	30	20	DFT-256QAM	L	Outer_Full	19.14	13.02	23	Pass
N48	30	20	DFT-PI2BPSK	M	Inner_1RB_Left	23.66	17.54	23	Pass
N48	30	20	DFT-PI2BPSK	M	Inner_1RB_Right	23.9	17.78	23	Pass
N48	30	20	DFT-PI2BPSK	M	Outer_Full	23.48	17.36	23	Pass
N48	30	20	DFT-QPSK	M	Inner_1RB_Left	23.66	17.54	23	Pass
N48	30	20	DFT-QPSK	M	Inner_1RB_Right	23.93	17.81	23	Pass
N48	30	20	DFT-QPSK	M	Outer_Full	23.01	16.89	23	Pass
N48	30	20	DFT-16QAM	M	Inner_1RB_Left	23.08	16.96	23	Pass
N48	30	20	DFT-16QAM	M	Inner_1RB_Right	22.64	16.52	23	Pass
N48	30	20	DFT-16QAM	M	Outer_Full	22.02	15.9	23	Pass
N48	30	20	DFT-64QAM	M	Inner_1RB_Left	21.62	15.5	23	Pass
N48	30	20	DFT-64QAM	M	Inner_1RB_Right	21.58	15.46	23	Pass
N48	30	20	DFT-64QAM	M	Outer_Full	21.38	15.26	23	Pass
N48	30	20	DFT-256QAM	M	Inner_1RB_Left	18.78	12.66	23	Pass
N48	30	20	DFT-256QAM	M	Inner_1RB_Right	18.63	12.51	23	Pass
N48	30	20	DFT-256QAM	M	Outer_Full	19.1	12.98	23	Pass
N48	30	20	DFT-PI2BPSK	H	Inner_1RB_Left	23.64	17.52	23	Pass
N48	30	20	DFT-PI2BPSK	H	Inner_1RB_Right	23.61	17.49	23	Pass
N48	30	20	DFT-PI2BPSK	H	Outer_Full	23.46	17.34	23	Pass

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N48	30	20	DFT-QPSK	H	Inner_1RB_Right	23.7	17.58	23	Pass
N48	30	20	DFT-QPSK	H	Outer_Full	23.12	17	23	Pass
N48	30	20	DFT-16QAM	H	Inner_1RB_Left	22.6	16.48	23	Pass
N48	30	20	DFT-16QAM	H	Inner_1RB_Right	22.82	16.7	23	Pass
N48	30	20	DFT-16QAM	H	Outer_Full	21.72	15.6	23	Pass
N48	30	20	DFT-64QAM	H	Inner_1RB_Left	21.74	15.62	23	Pass
N48	30	20	DFT-64QAM	H	Inner_1RB_Right	21.76	15.64	23	Pass
N48	30	20	DFT-64QAM	H	Outer_Full	21.22	15.1	23	Pass
N48	30	20	DFT-256QAM	H	Inner_1RB_Left	18.77	12.65	23	Pass
N48	30	20	DFT-256QAM	H	Inner_1RB_Right	18.77	12.65	23	Pass
N48	30	20	DFT-256QAM	H	Outer_Full	19.44	13.32	23	Pass
N48	30	30	DFT-PI2BPSK	L	Inner_1RB_Left	24.1	17.98	23	Pass
N48	30	30	DFT-PI2BPSK	L	Inner_1RB_Right	23.39	17.27	23	Pass
N48	30	30	DFT-PI2BPSK	L	Outer_Full	23.58	17.46	23	Pass
N48	30	30	DFT-QPSK	L	Inner_1RB_Left	23.81	17.69	23	Pass
N48	30	30	DFT-QPSK	L	Inner_1RB_Right	22.95	16.83	23	Pass
N48	30	30	DFT-QPSK	L	Outer_Full	22.9	16.78	23	Pass
N48	30	30	DFT-16QAM	L	Inner_1RB_Left	23.2	17.08	23	Pass
N48	30	30	DFT-16QAM	L	Inner_1RB_Right	21.96	15.84	23	Pass
N48	30	30	DFT-16QAM	L	Outer_Full	21.42	15.3	23	Pass

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N48	30	30	DFT-64QAM	L	Inner_1RB_Left	21.44	15.32	23	Pass
N48	30	30	DFT-64QAM	L	Inner_1RB_Right	21.62	15.5	23	Pass
N48	30	30	DFT-64QAM	L	Outer_Full	18.71	12.59	23	Pass
N48	30	30	DFT-256QAM	L	Inner_1RB_Left	19.17	13.05	23	Pass
N48	30	30	DFT-256QAM	L	Inner_1RB_Right	19.7	13.58	23	Pass
N48	30	30	DFT-256QAM	L	Outer_Full	23.77	17.65	23	Pass
N48	30	30	DFT-PI2BPSK	M	Inner_1RB_Left	24.05	17.93	23	Pass
N48	30	30	DFT-PI2BPSK	M	Inner_1RB_Right	23.53	17.41	23	Pass
N48	30	30	DFT-PI2BPSK	M	Outer_Full	23.8	17.68	23	Pass
N48	30	30	DFT-QPSK	M	Inner_1RB_Left	23.52	17.4	23	Pass
N48	30	30	DFT-QPSK	M	Inner_1RB_Right	22.97	16.85	23	Pass
N48	30	30	DFT-QPSK	M	Outer_Full	23.23	17.11	23	Pass
N48	30	30	DFT-16QAM	M	Inner_1RB_Left	22.75	16.63	23	Pass
N48	30	30	DFT-16QAM	M	Inner_1RB_Right	21.98	15.86	23	Pass
N48	30	30	DFT-16QAM	M	Outer_Full	21.67	15.55	23	Pass
N48	30	30	DFT-64QAM	M	Inner_1RB_Left	21.39	15.27	23	Pass
N48	30	30	DFT-64QAM	M	Inner_1RB_Right	21.76	15.64	23	Pass
N48	30	30	DFT-64QAM	M	Outer_Full	18.78	12.66	23	Pass
N48	30	30	DFT-256QAM	M	Inner_1RB_Left	18.88	12.76	23	Pass
N48	30	30	DFT-256QAM	M	Inner_1RB_Right	19.55	13.43	23	Pass
N48	30	30	DFT-256QAM	M	Outer_Full	23.34	17.22	23	Pass

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N48	30	30	DFT-PI2BPSK	H	Inner_1RB_Left	23.72	17.6	23	Pass
N48	30	30	DFT-PI2BPSK	H	Inner_1RB_Right	23.43	17.31	23	Pass
N48	30	30	DFT-PI2BPSK	H	Outer_Full	23.33	17.21	23	Pass
N48	30	30	DFT-QPSK	H	Inner_1RB_Left	23.78	17.66	23	Pass
N48	30	30	DFT-QPSK	H	Inner_1RB_Right	23.03	16.91	23	Pass
N48	30	30	DFT-QPSK	H	Outer_Full	23	16.88	23	Pass
N48	30	30	DFT-16QAM	H	Inner_1RB_Left	23.05	16.93	23	Pass
N48	30	30	DFT-16QAM	H	Inner_1RB_Right	21.78	15.66	23	Pass
N48	30	30	DFT-16QAM	H	Outer_Full	21.53	15.41	23	Pass
N48	30	30	DFT-64QAM	H	Inner_1RB_Left	21.57	15.45	23	Pass
N48	30	30	DFT-64QAM	H	Inner_1RB_Right	21.5	15.38	23	Pass
N48	30	30	DFT-64QAM	H	Outer_Full	18.66	12.54	23	Pass
N48	30	30	DFT-256QAM	H	Inner_1RB_Left	18.96	12.84	23	Pass
N48	30	30	DFT-256QAM	H	Inner_1RB_Right	19.79	13.67	23	Pass
N48	30	30	DFT-256QAM	H	Outer_Full	23.71	17.59	23	Pass
N48	30	40	DFT-PI2BPSK	L	Inner_1RB_Left	23.99	17.87	23	Pass
N48	30	40	DFT-PI2BPSK	L	Inner_1RB_Right	23.32	17.2	23	Pass
N48	30	40	DFT-PI2BPSK	L	Outer_Full	23.66	17.54	23	Pass
N48	30	40	DFT-QPSK	L	Inner_1RB_Left	23.76	17.64	23	Pass
N48	30	40	DFT-QPSK	L	Inner_1RB_Right	22.7	16.58	23	Pass
N48	30	40	DFT-QPSK	L	Outer_Full	22.64	16.52	23	Pass

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N48	30	40	DFT-16QAM	L	Inner_1RB_Left	22.68	16.56	23	Pass
N48	30	40	DFT-16QAM	L	Inner_1RB_Right	22.01	15.89	23	Pass
N48	30	40	DFT-16QAM	L	Outer_Full	21.84	15.72	23	Pass
N48	30	40	DFT-64QAM	L	Inner_1RB_Left	21.52	15.4	23	Pass
N48	30	40	DFT-64QAM	L	Inner_1RB_Right	21.65	15.53	23	Pass
N48	30	40	DFT-64QAM	L	Outer_Full	18.78	12.66	23	Pass
N48	30	40	DFT-256QAM	L	Inner_1RB_Left	19.05	12.93	23	Pass
N48	30	40	DFT-256QAM	L	Inner_1RB_Right	19.33	13.21	23	Pass
N48	30	40	DFT-256QAM	L	Outer_Full	23.74	17.62	23	Pass
N48	30	40	DFT-PI2BPSK	M	Inner_1RB_Left	23.91	17.79	23	Pass
N48	30	40	DFT-PI2BPSK	M	Inner_1RB_Right	23.14	17.02	23	Pass
N48	30	40	DFT-PI2BPSK	M	Outer_Full	23.56	17.44	23	Pass
N48	30	40	DFT-QPSK	M	Inner_1RB_Left	23.33	17.21	23	Pass
N48	30	40	DFT-QPSK	M	Inner_1RB_Right	23.02	16.9	23	Pass
N48	30	40	DFT-QPSK	M	Outer_Full	23.25	17.13	23	Pass
N48	30	40	DFT-16QAM	M	Inner_1RB_Left	23.09	16.97	23	Pass
N48	30	40	DFT-16QAM	M	Inner_1RB_Right	22.23	16.11	23	Pass
N48	30	40	DFT-16QAM	M	Outer_Full	21.58	15.46	23	Pass
N48	30	40	DFT-64QAM	M	Inner_1RB_Left	21.87	15.75	23	Pass
N48	30	40	DFT-64QAM	M	Inner_1RB_Right	21.26	15.14	23	Pass
N48	30	40	DFT-64QAM	M	Outer_Full	18.97	12.85	23	Pass

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N48	30	40	DFT-256QAM	M	Inner_1RB_Left	19.1	12.98	23	Pass
N48	30	40	DFT-256QAM	M	Inner_1RB_Right	19.46	13.34	23	Pass
N48	30	40	DFT-256QAM	M	Outer_Full	23.78	17.66	23	Pass
N48	30	40	DFT-PI2BPSK	H	Inner_1RB_Left	24.16	18.04	23	Pass
N48	30	40	DFT-PI2BPSK	H	Inner_1RB_Right	23.61	17.49	23	Pass
N48	30	40	DFT-PI2BPSK	H	Outer_Full	23.63	17.51	23	Pass
N48	30	40	DFT-QPSK	H	Inner_1RB_Left	23.91	17.79	23	Pass
N48	30	40	DFT-QPSK	H	Inner_1RB_Right	22.75	16.63	23	Pass
N48	30	40	DFT-QPSK	H	Outer_Full	22.75	16.63	23	Pass
N48	30	40	DFT-16QAM	H	Inner_1RB_Left	23.03	16.91	23	Pass
N48	30	40	DFT-16QAM	H	Inner_1RB_Right	22.2	16.08	23	Pass
N48	30	40	DFT-16QAM	H	Outer_Full	21.13	15.01	23	Pass
N48	30	40	DFT-64QAM	H	Inner_1RB_Left	21.95	15.83	23	Pass
N48	30	40	DFT-64QAM	H	Inner_1RB_Right	21.53	15.41	23	Pass
N48	30	40	DFT-64QAM	H	Outer_Full	18.76	12.64	23	Pass
N48	30	40	DFT-256QAM	H	Inner_1RB_Left	18.86	12.74	23	Pass
N48	30	40	DFT-256QAM	H	Inner_1RB_Right	19.92	13.8	23	Pass
N48	30	40	DFT-256QAM	H	Outer_Full	18.69	12.57	23	Pass

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Effective (Isotropic) Radiated Power Output Data for MIMO

Test Result

Band	SCS	Band width	Modulation	Channel	RB Config	Power Ant1 (dBm/10MHz)	Power Ant7 (dBm/10MHz)	Total Power (dBm /10MHz)	EIRP (dBm /10MHz)	Limit (dBm/10MHz)	Verdict
N48	30	10	CP-QPSK	L	Inner_1RB_Left	19.46	18.13	21.86	15.74	23	PASS
N48	30	10	CP-QPSK	L	Inner_1RB_Right	19.5	18.09	21.86	15.74	23	PASS
N48	30	10	CP-QPSK	L	Outer_Full	17.8	16.57	20.24	14.12	23	PASS
N48	30	10	CP-16QAM	L	Inner_1RB_Left	18.98	17.49	21.31	15.19	23	PASS
N48	30	10	CP-16QAM	L	Inner_1RB_Right	19.02	17.56	21.36	15.24	23	PASS
N48	30	10	CP-16QAM	L	Outer_Full	17.8	16.53	20.22	14.1	23	PASS
N48	30	10	CP-64QAM	L	Inner_1RB_Left	17.38	15.97	19.74	13.62	23	PASS
N48	30	10	CP-64QAM	L	Inner_1RB_Right	17.38	15.92	19.72	13.6	23	PASS
N48	30	10	CP-64QAM	L	Outer_Full	17.23	15.94	19.64	13.52	23	PASS
N48	30	10	CP-256QAM	L	Inner_1RB_Left	14.4	12.87	16.71	10.59	23	PASS
N48	30	10	CP-256QAM	L	Inner_1RB_Right	14.38	12.85	16.69	10.57	23	PASS
N48	30	10	CP-256QAM	L	Outer_Full	14.23	12.92	16.63	10.51	23	PASS
N48	30	10	CP-QPSK	M	Inner_1RB_Left	19.41	18.16	21.84	15.72	23	PASS
N48	30	10	CP-QPSK	M	Inner_1RB_Right	19.47	18.2	21.89	15.77	23	PASS
N48	30	10	CP-QPSK	M	Outer_Full	17.72	16.65	20.23	14.11	23	PASS
N48	30	10	CP-16QAM	M	Inner_1RB_Left	18.93	17.54	21.3	15.18	23	PASS
N48	30	10	CP-16QAM	M	Inner_1RB_Right	18.93	17.59	21.32	15.2	23	PASS

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N48	30	10	CP-16QAM	M	Outer_Full	17.72	16.65	20.23	14.11	23	PASS
N48	30	10	CP-64QAM	M	Inner_1RB_Left	17.35	15.99	19.73	13.61	23	PASS
N48	30	10	CP-64QAM	M	Inner_1RB_Right	17.28	16.05	19.72	13.6	23	PASS
N48	30	10	CP-64QAM	M	Outer_Full	17.11	16.12	19.65	13.53	23	PASS
N48	30	10	CP-256QAM	M	Inner_1RB_Left	14.31	12.99	16.71	10.59	23	PASS
N48	30	10	CP-256QAM	M	Inner_1RB_Right	14.24	13.06	16.7	10.58	23	PASS
N48	30	10	CP-256QAM	M	Outer_Full	14.14	13.11	16.67	10.55	23	PASS
N48	30	10	CP-QPSK	H	Inner_1RB_Left	19.26	18.09	21.72	15.6	23	PASS
N48	30	10	CP-QPSK	H	Inner_1RB_Right	19.36	18.19	21.82	15.7	23	PASS
N48	30	10	CP-QPSK	H	Outer_Full	17.64	16.52	20.13	14.01	23	PASS
N48	30	10	CP-16QAM	H	Inner_1RB_Left	18.79	17.48	21.19	15.07	23	PASS
N48	30	10	CP-16QAM	H	Inner_1RB_Right	18.75	17.51	21.18	15.06	23	PASS
N48	30	10	CP-16QAM	H	Outer_Full	17.67	16.45	20.11	13.99	23	PASS
N48	30	10	CP-64QAM	H	Inner_1RB_Left	17.14	15.89	19.57	13.45	23	PASS
N48	30	10	CP-64QAM	H	Inner_1RB_Right	17.28	15.92	19.66	13.54	23	PASS
N48	30	10	CP-64QAM	H	Outer_Full	17	16	19.54	13.42	23	PASS
N48	30	10	CP-256QAM	H	Inner_1RB_Left	14.14	12.86	16.56	10.44	23	PASS
N48	30	10	CP-256QAM	H	Inner_1RB_Right	14.23	12.96	16.65	10.53	23	PASS
N48	30	10	CP-256QAM	H	Outer_Full	14	12.99	16.53	10.41	23	PASS
N48	30	15	CP-QPSK	L	Inner_1RB_Left	19.48	18.11	21.86	15.74	23	PASS
N48	30	15	CP-QPSK	L	Inner_1RB_Right	19.52	18.06	21.86	15.74	23	PASS

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N48	30	15	CP-QPSK	L	Outer_Full	17.83	16.5	20.23	14.11	23	PASS
N48	30	15	CP-16QAM	L	Inner_1RB_Left	18.88	17.46	21.24	15.12	23	PASS
N48	30	15	CP-16QAM	L	Inner_1RB_Right	18.97	17.43	21.28	15.16	23	PASS
N48	30	15	CP-16QAM	L	Outer_Full	17.81	16.57	20.24	14.12	23	PASS
N48	30	15	CP-64QAM	L	Inner_1RB_Left	17.28	15.85	19.63	13.51	23	PASS
N48	30	15	CP-64QAM	L	Inner_1RB_Right	17.33	15.75	19.62	13.5	23	PASS
N48	30	15	CP-64QAM	L	Outer_Full	17.21	15.9	19.61	13.49	23	PASS
N48	30	15	CP-256QAM	L	Inner_1RB_Left	14.39	12.89	16.71	10.59	23	PASS
N48	30	15	CP-256QAM	L	Inner_1RB_Right	14.36	12.87	16.69	10.57	23	PASS
N48	30	15	CP-256QAM	L	Outer_Full	14.11	12.98	16.59	10.47	23	PASS
N48	30	15	CP-QPSK	M	Inner_1RB_Left	19.51	18.2	21.91	15.79	23	PASS
N48	30	15	CP-QPSK	M	Inner_1RB_Right	19.46	18.14	21.86	15.74	23	PASS
N48	30	15	CP-QPSK	M	Outer_Full	17.75	16.65	20.25	14.13	23	PASS
N48	30	15	CP-16QAM	M	Inner_1RB_Left	18.89	17.59	21.3	15.18	23	PASS
N48	30	15	CP-16QAM	M	Inner_1RB_Right	18.82	17.52	21.23	15.11	23	PASS
N48	30	15	CP-16QAM	M	Outer_Full	17.74	16.71	20.27	14.15	23	PASS
N48	30	15	CP-64QAM	M	Inner_1RB_Left	17.29	16.01	19.71	13.59	23	PASS
N48	30	15	CP-64QAM	M	Inner_1RB_Right	17.21	15.98	19.65	13.53	23	PASS
N48	30	15	CP-64QAM	M	Outer_Full	17.15	16.02	19.63	13.51	23	PASS
N48	30	15	CP-256QAM	M	Inner_1RB_Left	14.22	13.05	16.68	10.56	23	PASS
N48	30	15	CP-256QAM	M	Inner_1RB_Right	14.26	13.02	16.69	10.57	23	PASS

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N48	30	15	CP-256QAM	M	Outer_Full	13.99	13.11	16.58	10.46	23	PASS
N48	30	15	CP-QPSK	H	Inner_1RB_Left	19.27	18.11	21.74	15.62	23	PASS
N48	30	15	CP-QPSK	H	Inner_1RB_Right	19.34	18.08	21.77	15.65	23	PASS
N48	30	15	CP-QPSK	H	Outer_Full	17.62	16.5	20.11	13.99	23	PASS
N48	30	15	CP-16QAM	H	Inner_1RB_Left	18.69	17.5	21.15	15.03	23	PASS
N48	30	15	CP-16QAM	H	Inner_1RB_Right	18.79	17.44	21.18	15.06	23	PASS
N48	30	15	CP-16QAM	H	Outer_Full	17.48	16.57	20.06	13.94	23	PASS
N48	30	15	CP-64QAM	H	Inner_1RB_Left	17.06	15.94	19.55	13.43	23	PASS
N48	30	15	CP-64QAM	H	Inner_1RB_Right	17.15	15.83	19.55	13.43	23	PASS
N48	30	15	CP-64QAM	H	Outer_Full	16.92	15.93	19.46	13.34	23	PASS
N48	30	15	CP-256QAM	H	Inner_1RB_Left	14.05	12.89	16.52	10.4	23	PASS
N48	30	15	CP-256QAM	H	Inner_1RB_Right	14.08	12.95	16.56	10.44	23	PASS
N48	30	15	CP-256QAM	H	Outer_Full	13.92	13	16.49	10.37	23	PASS
N48	30	20	CP-QPSK	L	Inner_1RB_Left	19.46	18.05	21.82	15.7	23	PASS
N48	30	20	CP-QPSK	L	Inner_1RB_Right	19.52	18.12	21.89	15.77	23	PASS
N48	30	20	CP-QPSK	L	Outer_Full	17.84	16.5	20.23	14.11	23	PASS
N48	30	20	CP-16QAM	L	Inner_1RB_Left	18.79	17.43	21.17	15.05	23	PASS
N48	30	20	CP-16QAM	L	Inner_1RB_Right	18.92	17.54	21.29	15.17	23	PASS
N48	30	20	CP-16QAM	L	Outer_Full	17.78	16.43	20.17	14.05	23	PASS
N48	30	20	CP-64QAM	L	Inner_1RB_Left	17.35	15.9	19.7	13.58	23	PASS
N48	30	20	CP-64QAM	L	Inner_1RB_Right	17.32	15.9	19.68	13.56	23	PASS

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N48	30	20	CP-64QAM	L	Outer_Full	17.2	15.97	19.64	13.52	23	PASS
N48	30	20	CP-256QAM	L	Inner_1RB_Left	14.3	12.85	16.65	10.53	23	PASS
N48	30	20	CP-256QAM	L	Inner_1RB_Right	14.3	12.9	16.67	10.55	23	PASS
N48	30	20	CP-256QAM	L	Outer_Full	14.28	13	16.7	10.58	23	PASS
N48	30	20	CP-QPSK	M	Inner_1RB_Left	19.39	18.13	21.82	15.7	23	PASS
N48	30	20	CP-QPSK	M	Inner_1RB_Right	19.47	18.15	21.87	15.75	23	PASS
N48	30	20	CP-QPSK	M	Outer_Full	17.68	16.61	20.19	14.07	23	PASS
N48	30	20	CP-16QAM	M	Inner_1RB_Left	18.88	17.45	21.23	15.11	23	PASS
N48	30	20	CP-16QAM	M	Inner_1RB_Right	18.86	17.54	21.26	15.14	23	PASS
N48	30	20	CP-16QAM	M	Outer_Full	17.7	16.59	20.19	14.07	23	PASS
N48	30	20	CP-64QAM	M	Inner_1RB_Left	17.24	15.83	19.6	13.48	23	PASS
N48	30	20	CP-64QAM	M	Inner_1RB_Right	17.28	15.95	19.68	13.56	23	PASS
N48	30	20	CP-64QAM	M	Outer_Full	17.01	15.99	19.54	13.42	23	PASS
N48	30	20	CP-256QAM	M	Inner_1RB_Left	14.26	13.01	16.69	10.57	23	PASS
N48	30	20	CP-256QAM	M	Inner_1RB_Right	14.26	12.95	16.66	10.54	23	PASS
N48	30	20	CP-256QAM	M	Outer_Full	14.11	13.13	16.66	10.54	23	PASS
N48	30	20	CP-QPSK	H	Inner_1RB_Left	19.24	18.07	21.7	15.58	23	PASS
N48	30	20	CP-QPSK	H	Inner_1RB_Right	19.29	18.05	21.72	15.6	23	PASS
N48	30	20	CP-QPSK	H	Outer_Full	17.59	16.47	20.08	13.96	23	PASS
N48	30	20	CP-16QAM	H	Inner_1RB_Left	18.71	17.49	21.15	15.03	23	PASS
N48	30	20	CP-16QAM	H	Inner_1RB_Right	18.72	17.45	21.14	15.02	23	PASS

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N48	30	20	CP-16QAM	H	Outer_Full	17.52	16.48	20.04	13.92	23	PASS
N48	30	20	CP-64QAM	H	Inner_1RB_Left	17.21	15.83	19.58	13.46	23	PASS
N48	30	20	CP-64QAM	H	Inner_1RB_Right	17.04	15.84	19.49	13.37	23	PASS
N48	30	20	CP-64QAM	H	Outer_Full	16.98	15.96	19.51	13.39	23	PASS
N48	30	20	CP-256QAM	H	Inner_1RB_Left	14.15	12.86	16.56	10.44	23	PASS
N48	30	20	CP-256QAM	H	Inner_1RB_Right	14.18	12.88	16.59	10.47	23	PASS
N48	30	20	CP-256QAM	H	Outer_Full	13.96	13.02	16.53	10.41	23	PASS
N48	30	30	CP-QPSK	L	Inner_1RB_Left	19.65	18.1	21.95	15.83	23	PASS
N48	30	30	CP-QPSK	L	Inner_1RB_Right	19.53	18.22	21.93	15.81	23	PASS
N48	30	30	CP-QPSK	L	Outer_Full	17.77	16.48	20.18	14.06	23	PASS
N48	30	30	CP-16QAM	L	Inner_1RB_Left	19.13	17.51	21.41	15.29	23	PASS
N48	30	30	CP-16QAM	L	Inner_1RB_Right	18.93	17.58	21.32	15.2	23	PASS
N48	30	30	CP-16QAM	L	Outer_Full	17.65	16.49	20.12	14	23	PASS
N48	30	30	CP-64QAM	L	Inner_1RB_Left	17.37	15.99	19.74	13.62	23	PASS
N48	30	30	CP-64QAM	L	Inner_1RB_Right	17.29	16.07	19.73	13.61	23	PASS
N48	30	30	CP-64QAM	L	Outer_Full	17.16	15.98	19.62	13.5	23	PASS
N48	30	30	CP-256QAM	L	Inner_1RB_Left	14.45	12.98	16.79	10.67	23	PASS
N48	30	30	CP-256QAM	L	Inner_1RB_Right	14.38	13.06	16.78	10.66	23	PASS
N48	30	30	CP-256QAM	L	Outer_Full	14.21	13.03	16.67	10.55	23	PASS
N48	30	30	CP-QPSK	M	Inner_1RB_Left	19.53	18.28	21.96	15.84	23	PASS
N48	30	30	CP-QPSK	M	Inner_1RB_Right	19.57	18.18	21.94	15.82	23	PASS

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N48	30	30	CP-QPSK	M	Outer_Full	17.62	16.51	20.11	13.99	23	PASS
N48	30	30	CP-16QAM	M	Inner_1RB_Left	19.09	17.58	21.41	15.29	23	PASS
N48	30	30	CP-16QAM	M	Inner_1RB_Right	18.91	17.6	21.31	15.19	23	PASS
N48	30	30	CP-16QAM	M	Outer_Full	17.64	16.62	20.17	14.05	23	PASS
N48	30	30	CP-64QAM	M	Inner_1RB_Left	17.5	16.02	19.83	13.71	23	PASS
N48	30	30	CP-64QAM	M	Inner_1RB_Right	17.33	15.94	19.7	13.58	23	PASS
N48	30	30	CP-64QAM	M	Outer_Full	17.11	15.99	19.6	13.48	23	PASS
N48	30	30	CP-256QAM	M	Inner_1RB_Left	14.44	13.02	16.8	10.68	23	PASS
N48	30	30	CP-256QAM	M	Inner_1RB_Right	14.31	13.08	16.75	10.63	23	PASS
N48	30	30	CP-256QAM	M	Outer_Full	14.17	13.04	16.65	10.53	23	PASS
N48	30	30	CP-QPSK	H	Inner_1RB_Left	19.41	18.26	21.88	15.76	23	PASS
N48	30	30	CP-QPSK	H	Inner_1RB_Right	19.24	18.28	21.8	15.68	23	PASS
N48	30	30	CP-QPSK	H	Outer_Full	17.52	16.52	20.06	13.94	23	PASS
N48	30	30	CP-16QAM	H	Inner_1RB_Left	18.91	17.64	21.33	15.21	23	PASS
N48	30	30	CP-16QAM	H	Inner_1RB_Right	18.72	17.56	21.19	15.07	23	PASS
N48	30	30	CP-16QAM	H	Outer_Full	17.54	16.56	20.09	13.97	23	PASS
N48	30	30	CP-64QAM	H	Inner_1RB_Left	17.27	16.09	19.73	13.61	23	PASS
N48	30	30	CP-64QAM	H	Inner_1RB_Right	17.2	16.03	19.66	13.54	23	PASS
N48	30	30	CP-64QAM	H	Outer_Full	17.03	16.04	19.57	13.45	23	PASS
N48	30	30	CP-256QAM	H	Inner_1RB_Left	14.26	13.09	16.72	10.6	23	PASS
N48	30	30	CP-256QAM	H	Inner_1RB_Right	14.19	13.06	16.67	10.55	23	PASS

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N48	30	30	CP-256QAM	H	Outer_Full	14.04	13.07	16.59	10.47	23	PASS
N48	30	40	CP-QPSK	L	Inner_1RB_Left	19.5	18.13	21.88	15.76	23	PASS
N48	30	40	CP-QPSK	L	Inner_1RB_Right	19.47	18.26	21.92	15.8	23	PASS
N48	30	40	CP-QPSK	L	Outer_Full	17.85	16.59	20.28	14.16	23	PASS
N48	30	40	CP-16QAM	L	Inner_1RB_Left	18.86	17.45	21.22	15.1	23	PASS
N48	30	40	CP-16QAM	L	Inner_1RB_Right	18.83	17.58	21.26	15.14	23	PASS
N48	30	40	CP-16QAM	L	Outer_Full	17.74	16.5	20.17	14.05	23	PASS
N48	30	40	CP-64QAM	L	Inner_1RB_Left	17.23	15.88	19.62	13.5	23	PASS
N48	30	40	CP-64QAM	L	Inner_1RB_Right	17.27	15.97	19.68	13.56	23	PASS
N48	30	40	CP-64QAM	L	Outer_Full	17.25	16	19.68	13.56	23	PASS
N48	30	40	CP-256QAM	L	Inner_1RB_Left	14.3	12.88	16.66	10.54	23	PASS
N48	30	40	CP-256QAM	L	Inner_1RB_Right	14.29	13.03	16.72	10.6	23	PASS
N48	30	40	CP-256QAM	L	Outer_Full	14.29	13.07	16.73	10.61	23	PASS
N48	30	40	CP-QPSK	M	Inner_1RB_Left	19.35	18.2	21.82	15.7	23	PASS
N48	30	40	CP-QPSK	M	Inner_1RB_Right	19.57	18.21	21.95	15.83	23	PASS
N48	30	40	CP-QPSK	M	Outer_Full	17.74	16.56	20.2	14.08	23	PASS
N48	30	40	CP-16QAM	M	Inner_1RB_Left	18.91	17.4	21.23	15.11	23	PASS
N48	30	40	CP-16QAM	M	Inner_1RB_Right	18.9	17.46	21.25	15.13	23	PASS
N48	30	40	CP-16QAM	M	Outer_Full	17.63	16.51	20.12	14	23	PASS
N48	30	40	CP-64QAM	M	Inner_1RB_Left	17.31	15.83	19.64	13.52	23	PASS
N48	30	40	CP-64QAM	M	Inner_1RB_Right	17.33	15.98	19.72	13.6	23	PASS

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N48	30	40	CP-64QAM	M	Outer_Full	17.11	16.02	19.61	13.49	23	PASS
N48	30	40	CP-256QAM	M	Inner_1RB_Left	14.35	12.93	16.71	10.59	23	PASS
N48	30	40	CP-256QAM	M	Inner_1RB_Right	14.34	13.02	16.74	10.62	23	PASS
N48	30	40	CP-256QAM	M	Outer_Full	14.2	13.06	16.68	10.56	23	PASS
N48	30	40	CP-QPSK	H	Inner_1RB_Left	19.43	18.14	21.84	15.72	23	PASS
N48	30	40	CP-QPSK	H	Inner_1RB_Right	19.31	18.14	21.77	15.65	23	PASS
N48	30	40	CP-QPSK	H	Outer_Full	17.63	16.73	20.21	14.09	23	PASS
N48	30	40	CP-16QAM	H	Inner_1RB_Left	18.79	17.54	21.22	15.1	23	PASS
N48	30	40	CP-16QAM	H	Inner_1RB_Right	18.77	17.6	21.23	15.11	23	PASS
N48	30	40	CP-16QAM	H	Outer_Full	17.51	16.54	20.06	13.94	23	PASS
N48	30	40	CP-64QAM	H	Inner_1RB_Left	17.2	16.02	19.66	13.54	23	PASS
N48	30	40	CP-64QAM	H	Inner_1RB_Right	17.09	15.93	19.56	13.44	23	PASS
N48	30	40	CP-64QAM	H	Outer_Full	17.01	15.97	19.53	13.41	23	PASS
N48	30	40	CP-256QAM	H	Inner_1RB_Left	14.18	13.01	16.64	10.52	23	PASS
N48	30	40	CP-256QAM	H	Inner_1RB_Right	14.15	13	16.62	10.5	23	PASS
N48	30	40	CP-256QAM	H	Outer_Full	14.09	13.02	16.6	10.48	23	PASS

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Peak-to-Average Ratio for SA

Peak-to-Average Ratio(CCDF)

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N48	30	40	DFT-256QAM	L	Outer_Full	6.75	13	PASS
N48	30	40	CP-256QAM	L	Outer_Full	8.66	13	PASS
N48	30	40	DFT-256QAM	M	Outer_Full	6.77	13	PASS
N48	30	40	CP-256QAM	M	Outer_Full	8.62	13	PASS
N48	30	40	DFT-256QAM	H	Outer_Full	6.80	13	PASS
N48	30	40	CP-256QAM	H	Outer_Full	8.67	13	PASS

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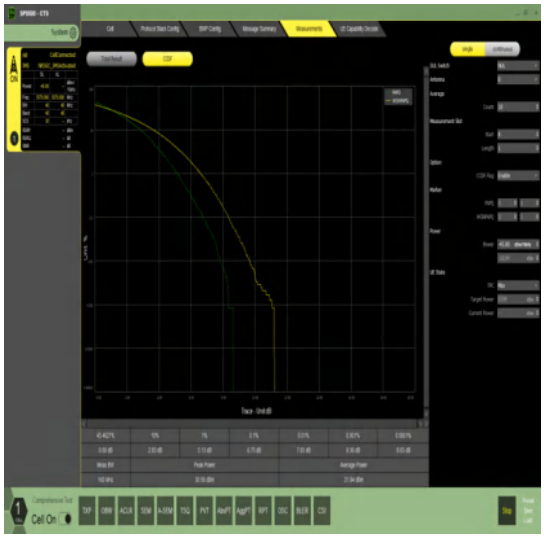
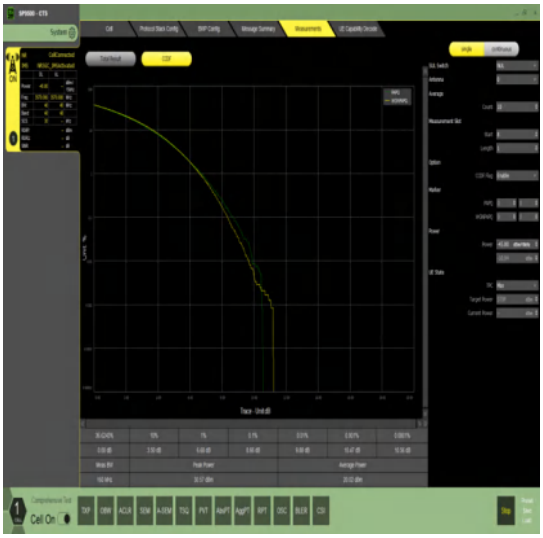
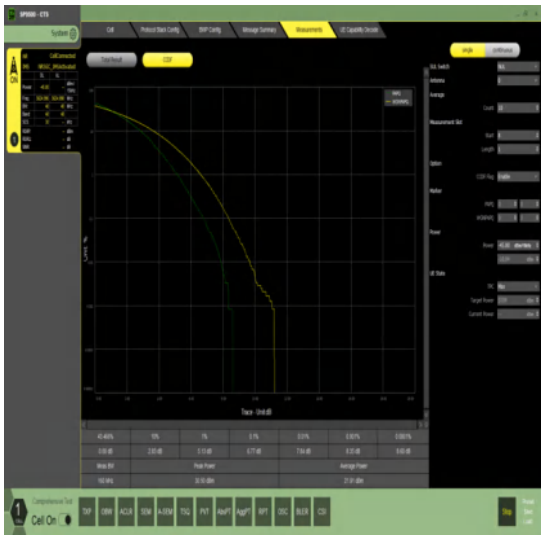
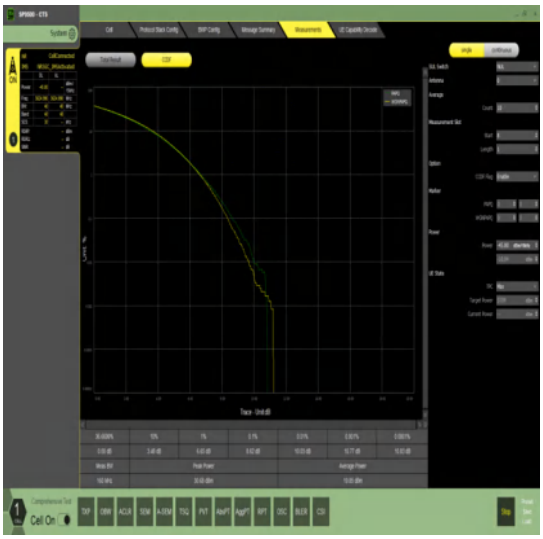
Test Graphs

	
1-N48-30-40-L-3-DFT-256QAM-Outer_Full-100@0-21.96-21.96-19~27.5-PASS	1-N48-30-40-L-15-CP-256QAM-Outer_Full-106@0-19.98-19.98-19~27.5-PASS
	
1-N48-30-40-M-3-DFT-256QAM-Outer_Full-100@0-21.89-21.89-19~27.5-PASS	1-N48-30-40-M-15-CP-256QAM-Outer_Full-106@0-19.87-19.87-19~27.5-PASS

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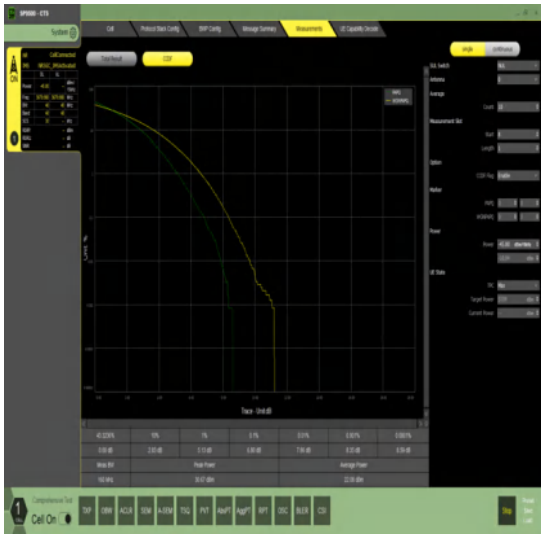	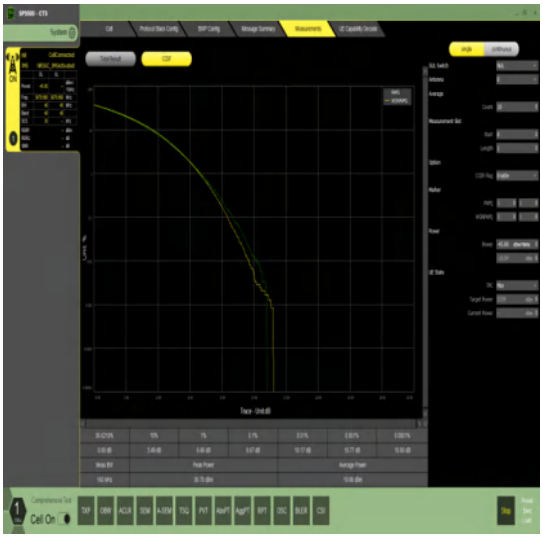
1-N48-30-40-H-3-DFT-256QAM-Outer_Full-100@0-22.05-22.05-19~27.5-PASS	1-N48-30-40-H-15-CP-256QAM-Outer_Full-106@0-20.06-20.06-19~27.5-PASS

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26dB Bandwidth and Occupied Bandwidth for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N48	30	10	DFT-QPSK	M	Outer_Full	8.547	9.600	PASS
N48	30	10	DFT-PI2BPSK	M	Outer_Full	8.58	9.540	PASS
N48	30	10	DFT-16QAM	M	Outer_Full	8.615	9.720	PASS
N48	30	10	DFT-64QAM	M	Outer_Full	8.601	9.440	PASS
N48	30	10	DFT-256QAM	M	Outer_Full	8.598	9.240	PASS
N48	30	10	CP-QPSK	M	Outer_Full	8.577	9.760	PASS
N48	30	10	CP-16QAM	M	Outer_Full	8.592	9.580	PASS
N48	30	10	CP-64QAM	M	Outer_Full	8.579	9.520	PASS
N48	30	10	CP-256QAM	M	Outer_Full	8.575	9.200	PASS
N48	30	15	DFT-QPSK	M	Outer_Full	12.88	14.280	PASS
N48	30	15	DFT-PI2BPSK	M	Outer_Full	12.929	14.220	PASS
N48	30	15	DFT-16QAM	M	Outer_Full	12.949	14.160	PASS
N48	30	15	DFT-64QAM	M	Outer_Full	12.926	14.370	PASS
N48	30	15	DFT-256QAM	M	Outer_Full	12.911	14.520	PASS
N48	30	15	CP-QPSK	M	Outer_Full	13.667	14.970	PASS
N48	30	15	CP-16QAM	M	Outer_Full	13.62	14.970	PASS
N48	30	15	CP-64QAM	M	Outer_Full	13.625	14.940	PASS
N48	30	15	CP-256QAM	M	Outer_Full	13.605	14.790	PASS
N48	30	20	DFT-QPSK	M	Outer_Full	17.81	19.240	PASS
N48	30	20	DFT-PI2BPSK	M	Outer_Full	17.897	19.640	PASS
N48	30	20	DFT-16QAM	M	Outer_Full	17.949	19.560	PASS
N48	30	20	DFT-64QAM	M	Outer_Full	17.942	19.400	PASS
N48	30	20	DFT-256QAM	M	Outer_Full	17.893	19.400	PASS
N48	30	20	CP-QPSK	M	Outer_Full	18.221	19.880	PASS
N48	30	20	CP-16QAM	M	Outer_Full	18.228	19.120	PASS
N48	30	20	CP-64QAM	M	Outer_Full	18.227	19.720	PASS
N48	30	20	CP-256QAM	M	Outer_Full	18.239	19.680	PASS
N48	30	30	DFT-QPSK	M	Outer_Full	26.721	28.260	PASS
N48	30	30	DFT-PI2BPSK	M	Outer_Full	26.768	28.140	PASS

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N48	30	30	DFT-16QAM	M	Outer_Full	26.793	28.620	PASS
N48	30	30	DFT-64QAM	M	Outer_Full	26.852	28.020	PASS
N48	30	30	DFT-256QAM	M	Outer_Full	26.643	28.200	PASS
N48	30	30	CP-QPSK	M	Outer_Full	27.823	29.400	PASS
N48	30	30	CP-16QAM	M	Outer_Full	27.745	29.460	PASS
N48	30	30	CP-64QAM	M	Outer_Full	27.88	29.400	PASS
N48	30	30	CP-256QAM	M	Outer_Full	27.859	29.160	PASS
N48	30	40	DFT-QPSK	M	Outer_Full	35.944	38.560	PASS
N48	30	40	DFT-PI2BPSK	M	Outer_Full	36.046	38.480	PASS
N48	30	40	DFT-16QAM	M	Outer_Full	35.996	38.480	PASS
N48	30	40	DFT-64QAM	M	Outer_Full	35.922	38.800	PASS
N48	30	40	DFT-256QAM	M	Outer_Full	35.793	38.240	PASS
N48	30	40	CP-QPSK	M	Outer_Full	38.017	40.480	PASS
N48	30	40	CP-16QAM	M	Outer_Full	38.101	40.480	PASS
N48	30	40	CP-64QAM	M	Outer_Full	38.01	40.560	PASS
N48	30	40	CP-256QAM	M	Outer_Full	38.054	40.640	PASS

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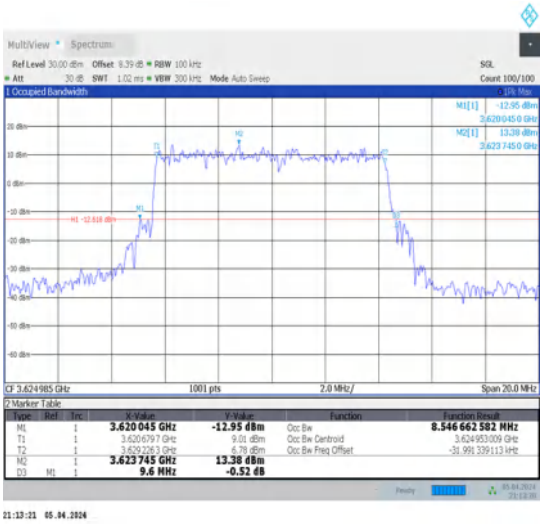

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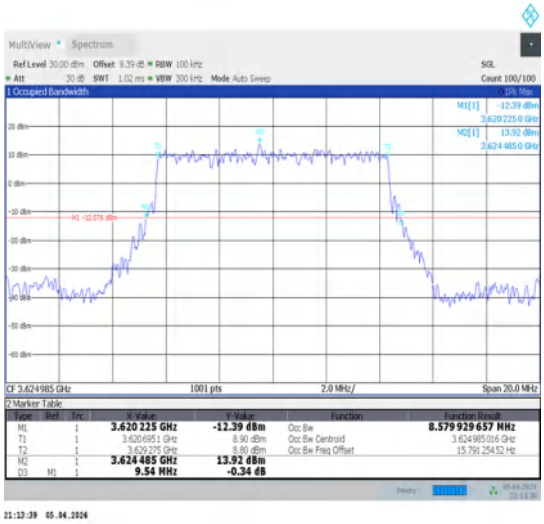

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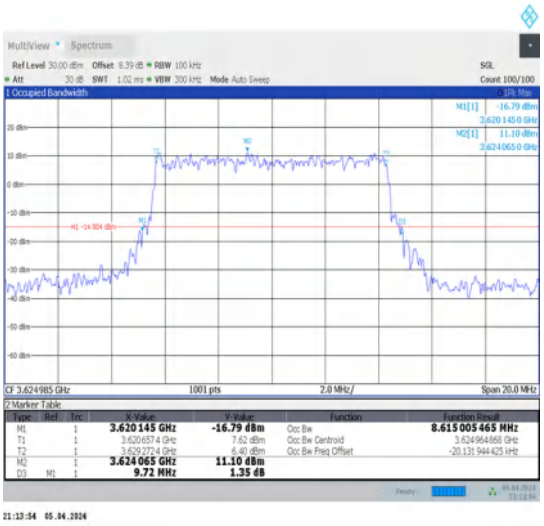

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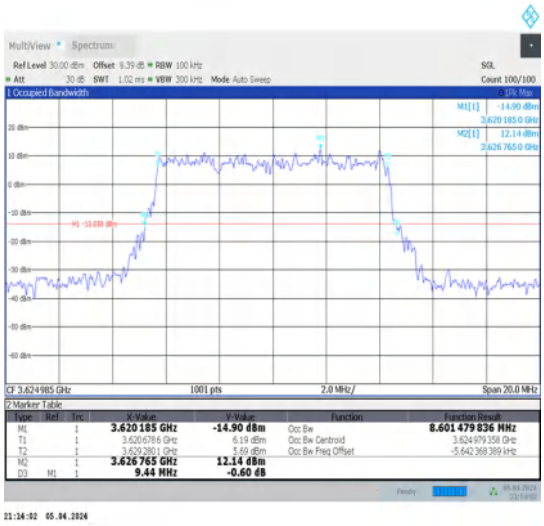

1-N48-30-10-M-4-DFT-64QAM-Outer_Full-24@0-Ant1-8.601-9.440-≤10-PASS

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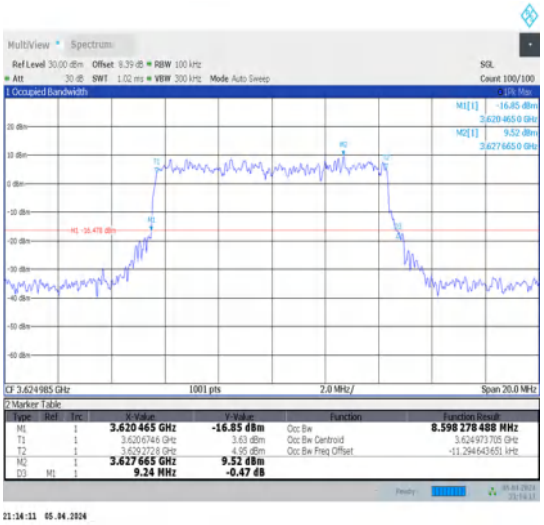

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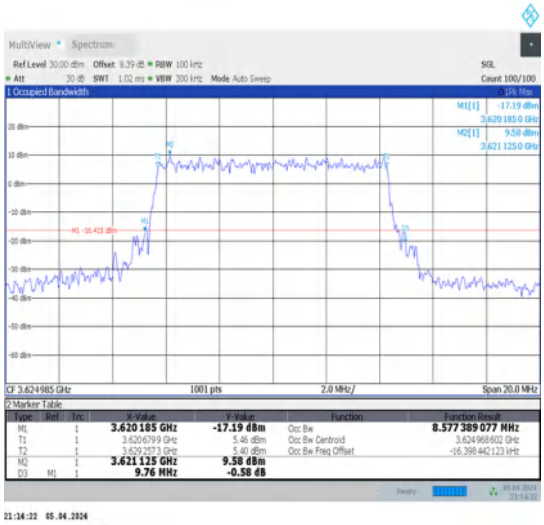

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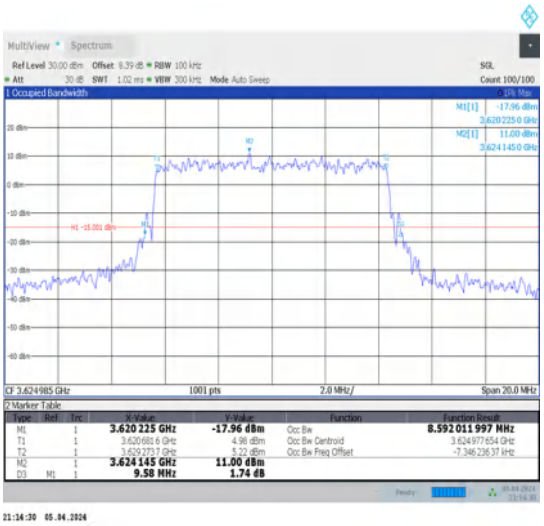

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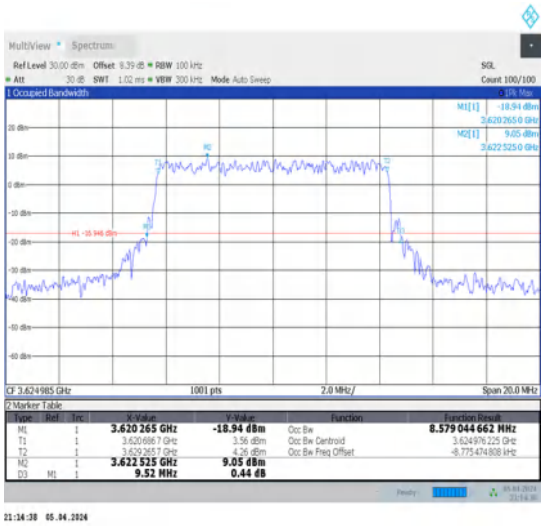

1-N48-30-10-M-8-CP-64QAM-Outer_Full-24@0-Ant1-8.579-9.520-≤10-PASS

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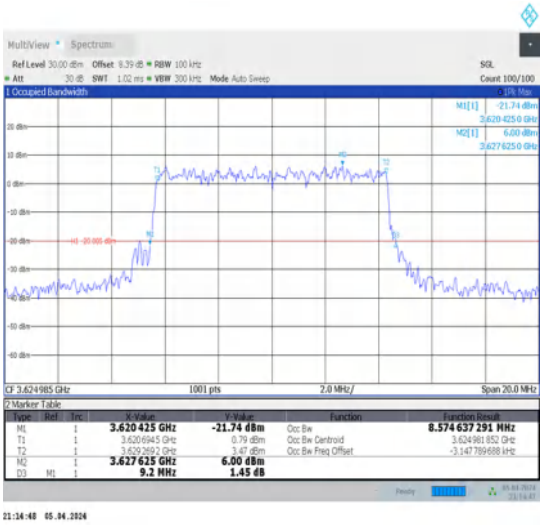

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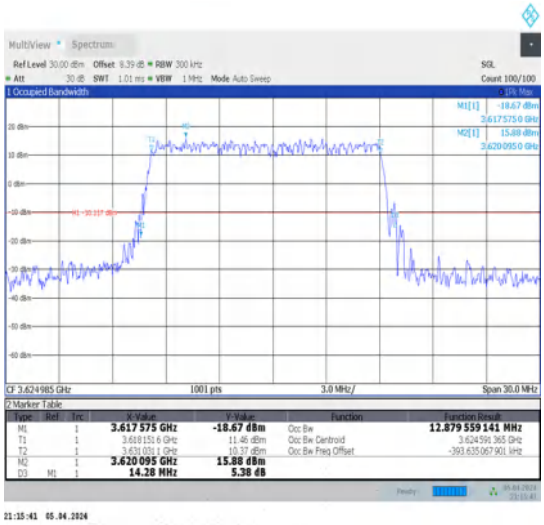

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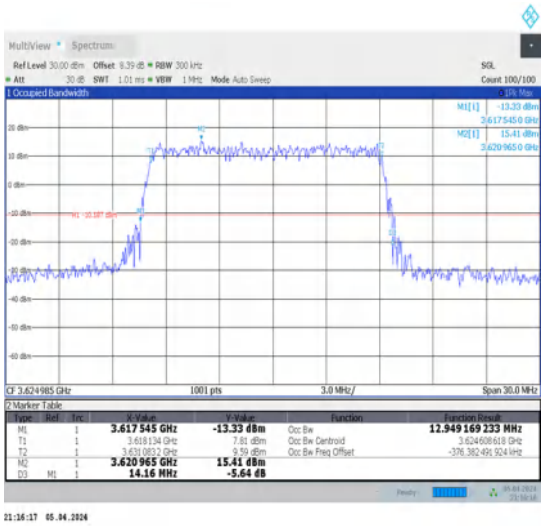

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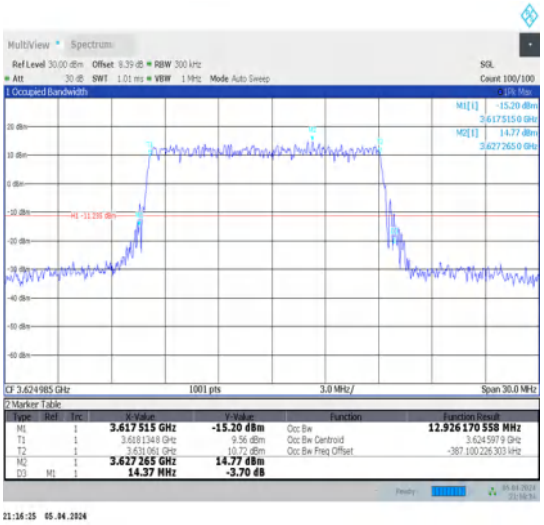

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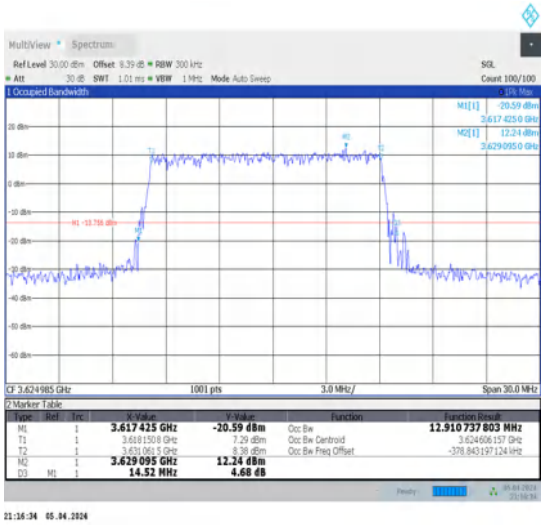

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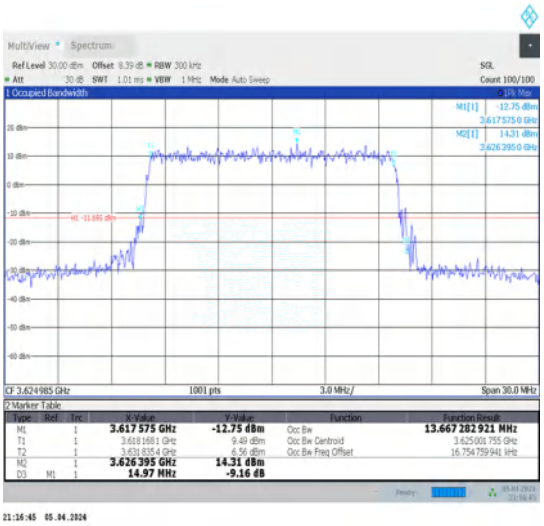

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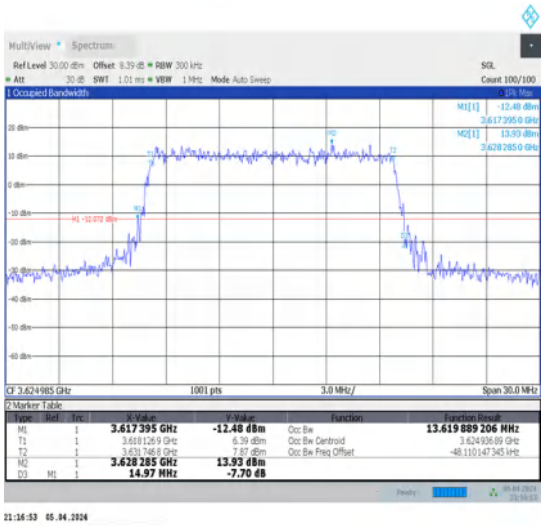

1-N48-30-15-M-7-CP-16QAM-Outer_Full-38@0-Ant1-13.62-14.970-≤15-PASS

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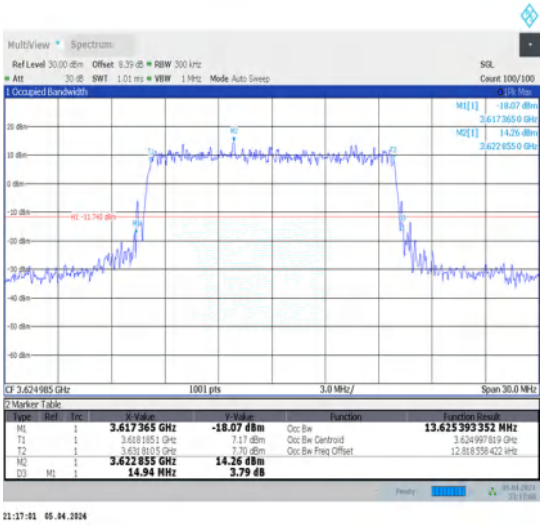

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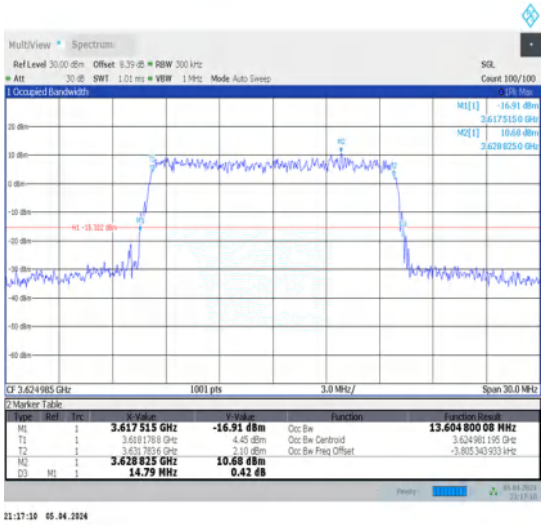

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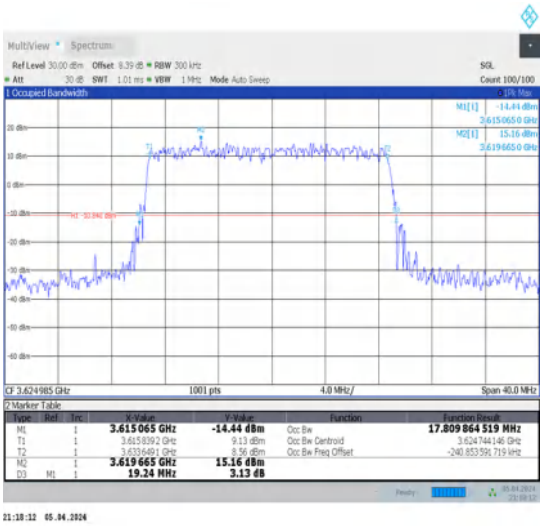

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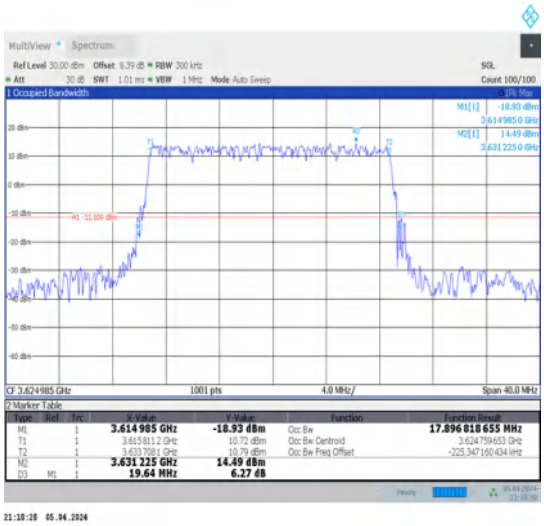

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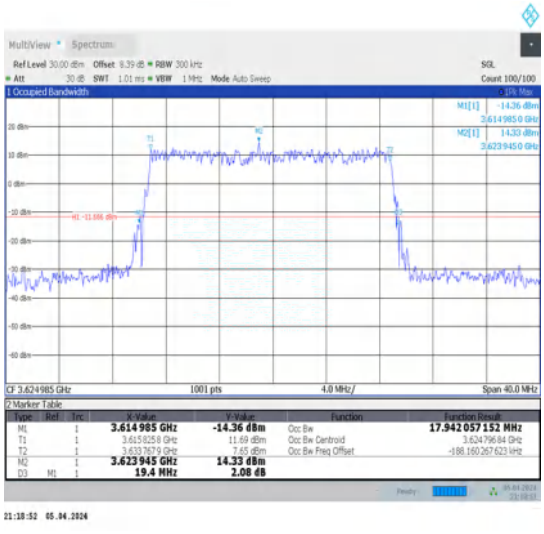

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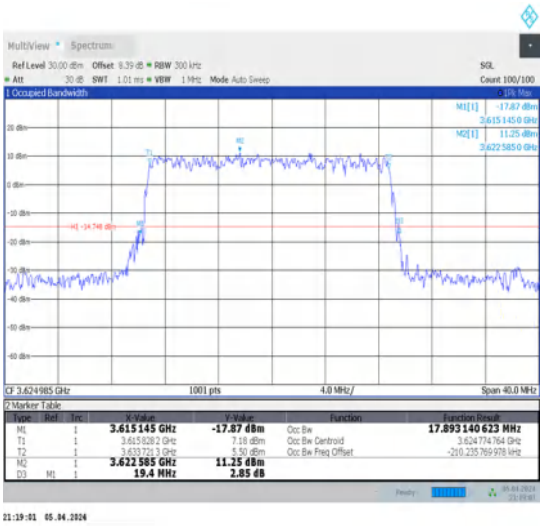

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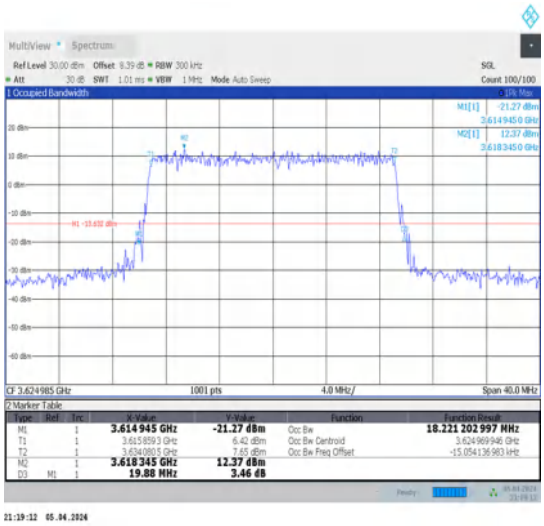

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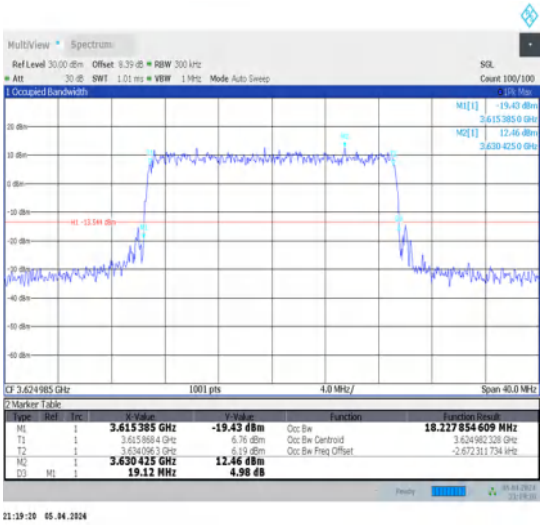

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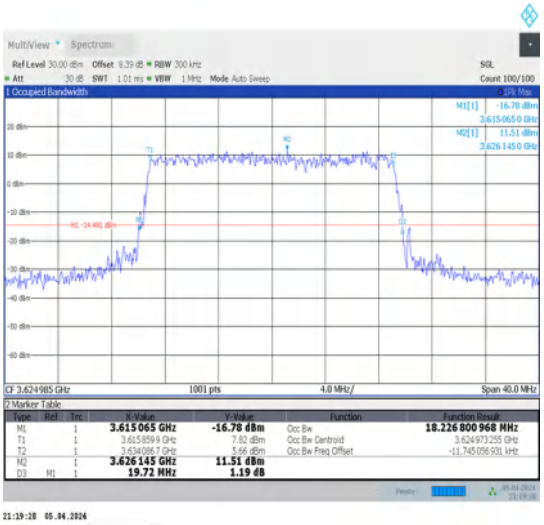

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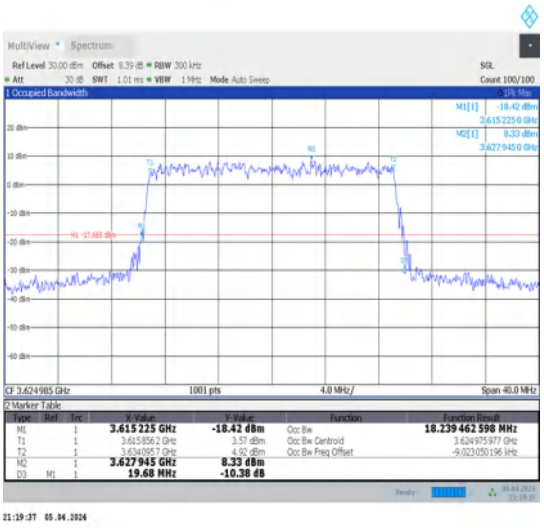

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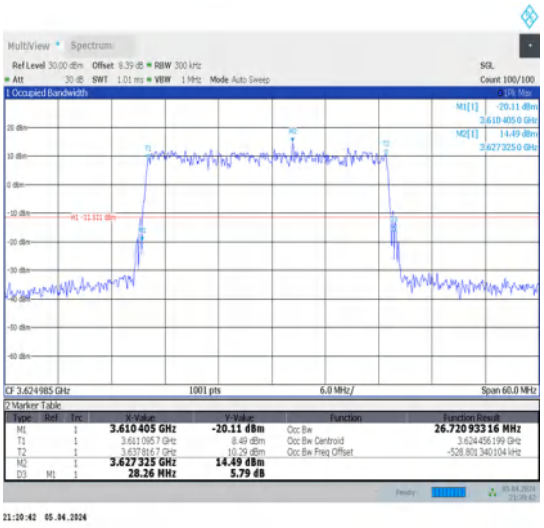

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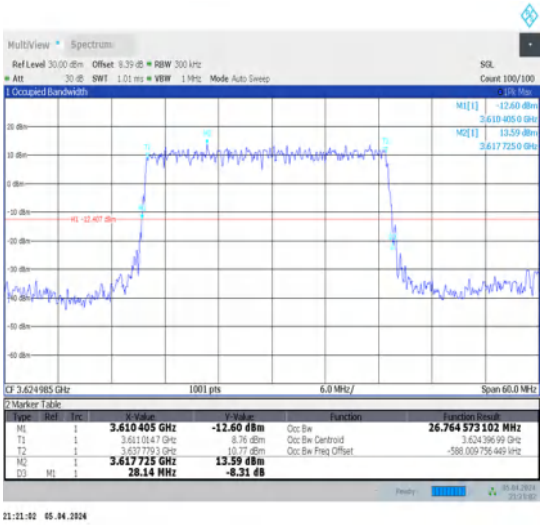

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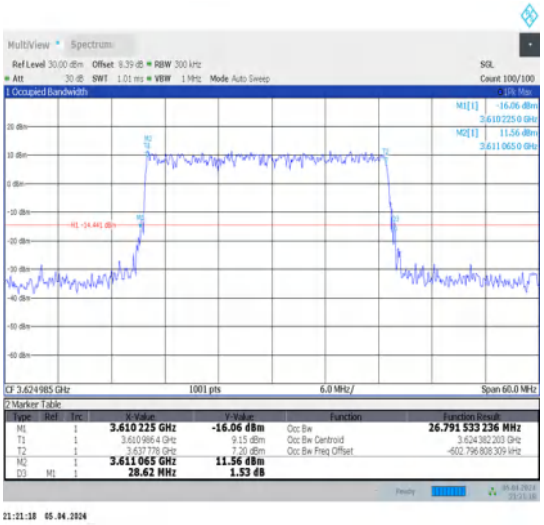

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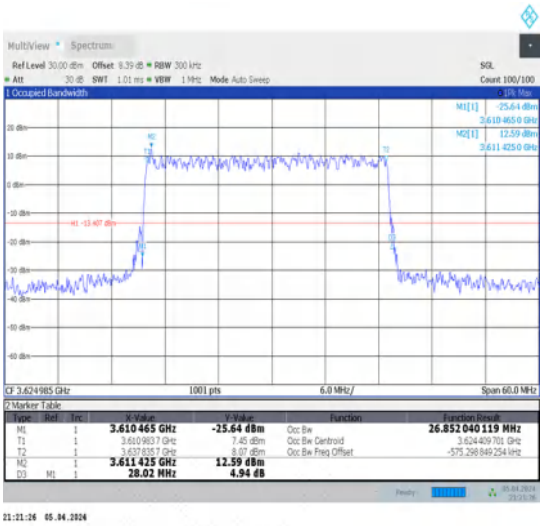

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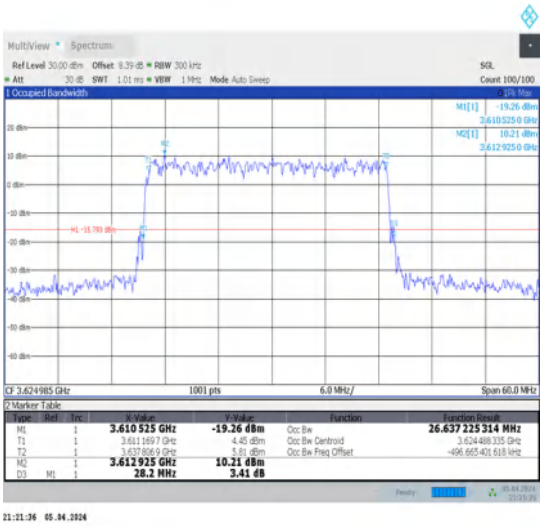

1-N48-30-30-M-5-DFT-256QAM-Outer_Full-75@0-Ant1-26.643-28.200-≤30-PASS

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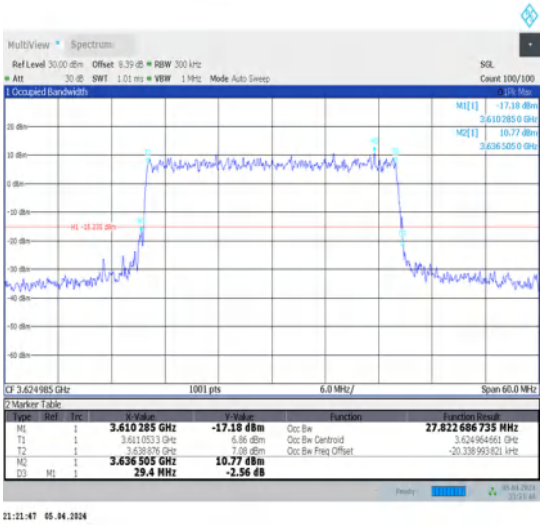

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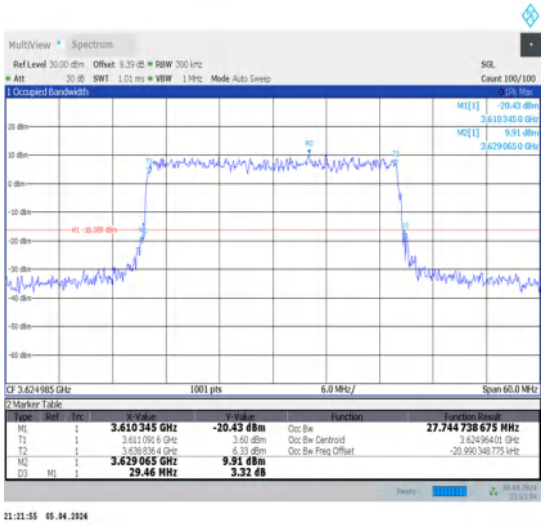

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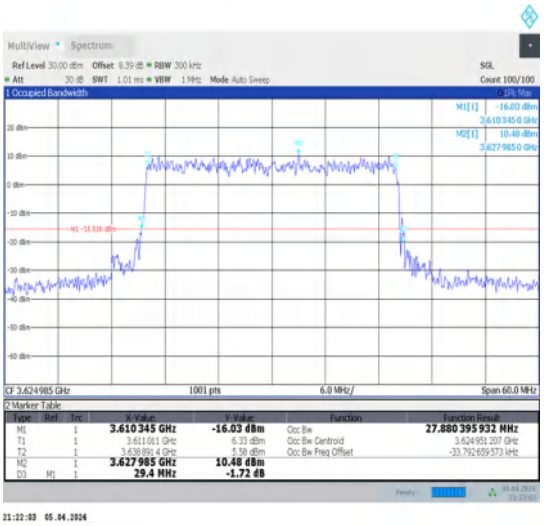

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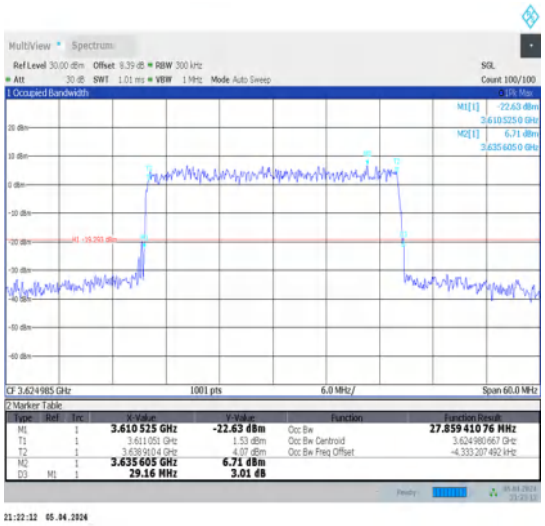

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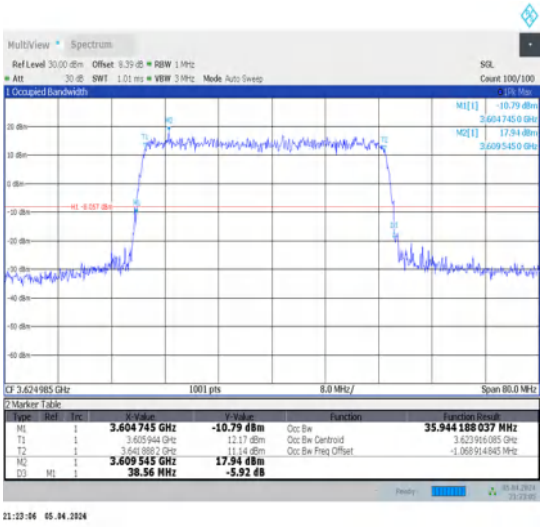

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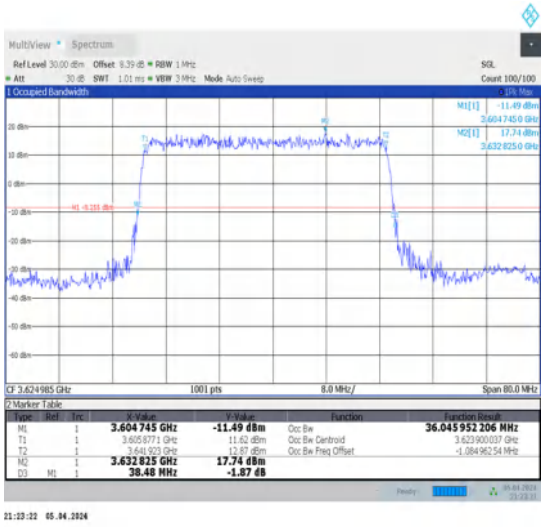

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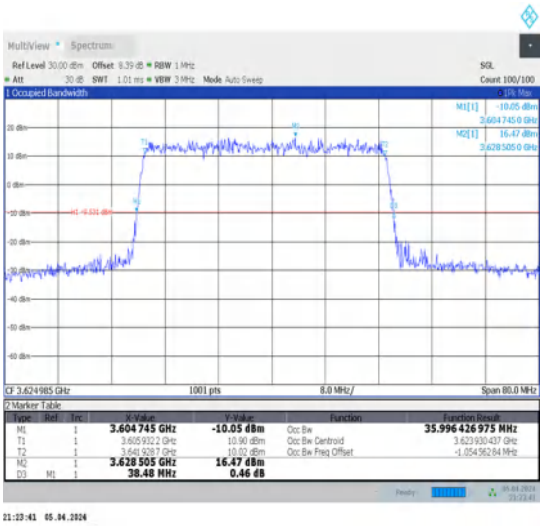

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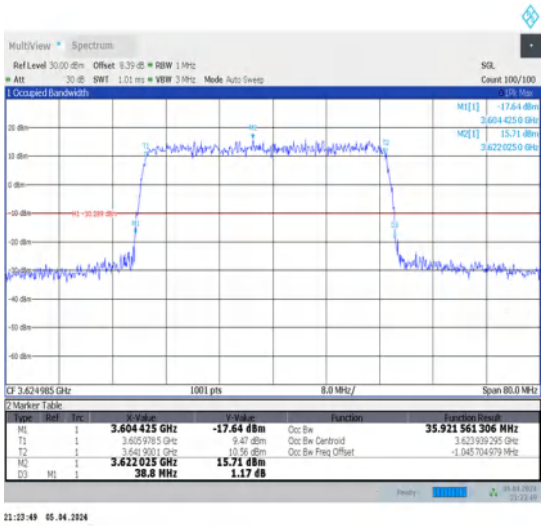

1-N48-30-40-M-4-DFT-64QAM-Outer_Full-100@0-Ant1-35.922-38.800-≤40-PASS

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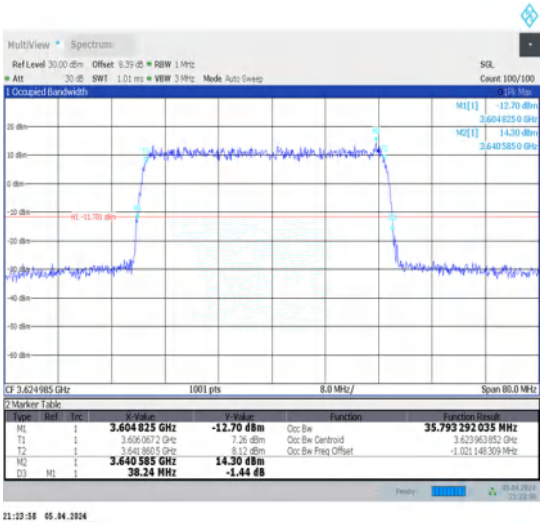

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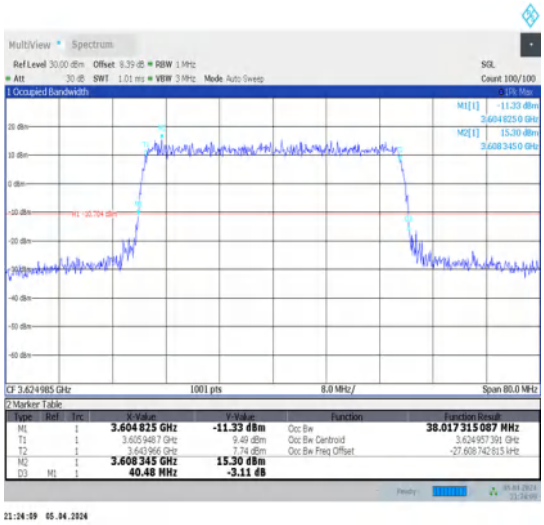

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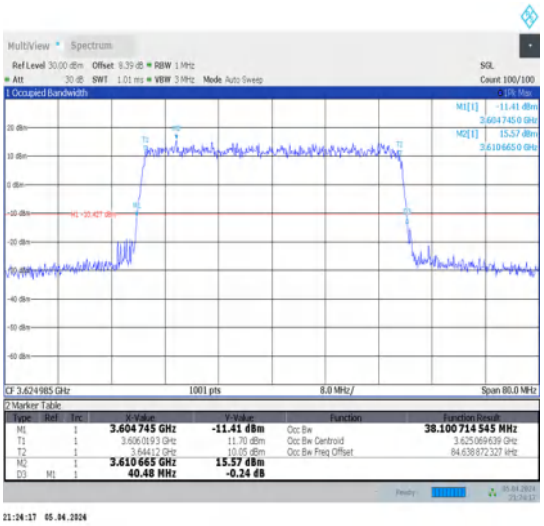

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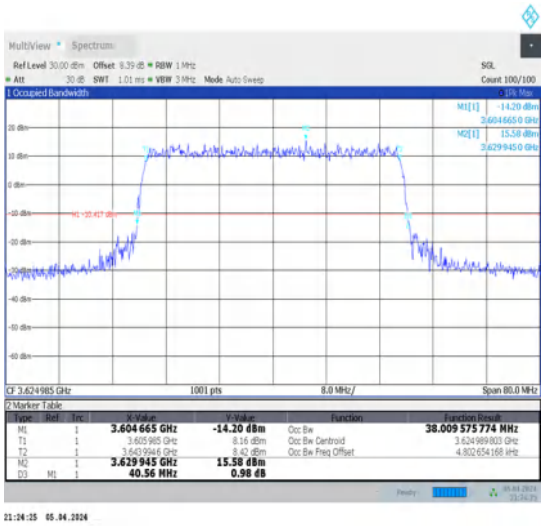

1-N48-30-40-M-8-CP-64QAM-Outer_Full-106@0-Ant1-38.01-40.560-≤40-PASS

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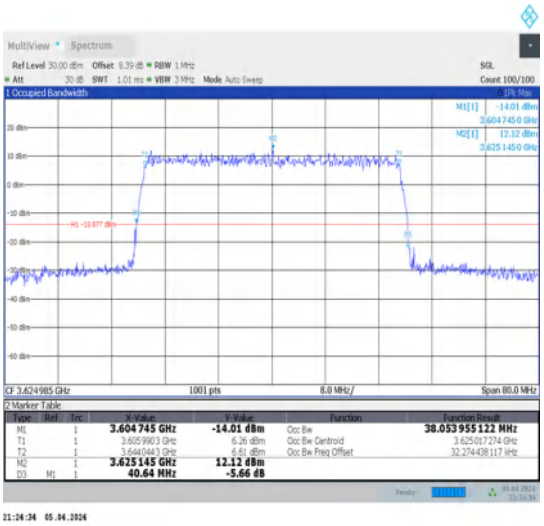

1-N48-30-40-M-9-CP-256QAM-Outer_Full-106@0-Ant1-38.054-40.640-≤40-PASS	

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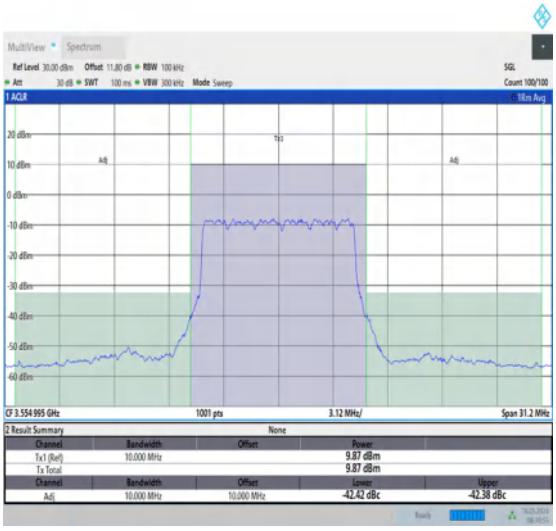
Test Graphs



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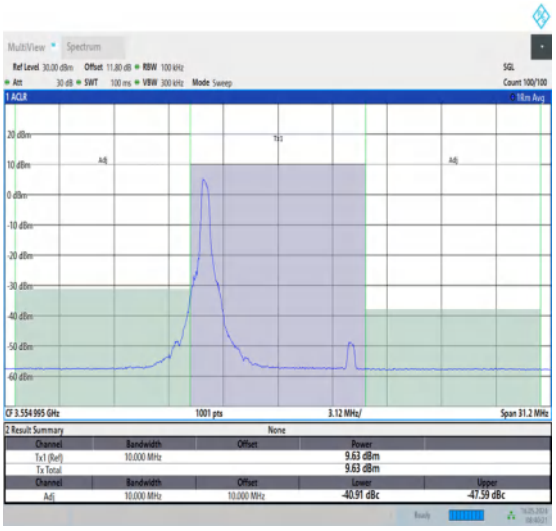

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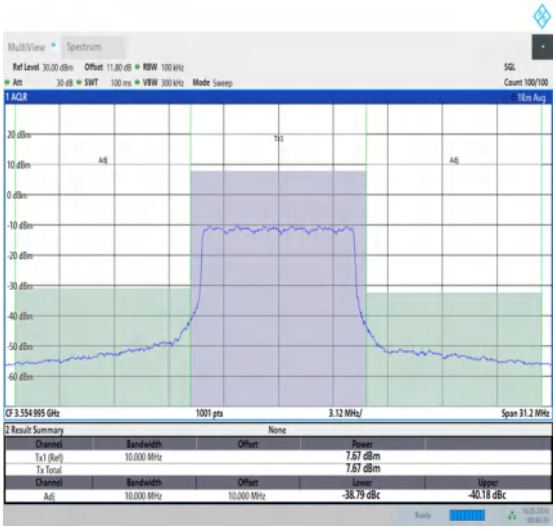

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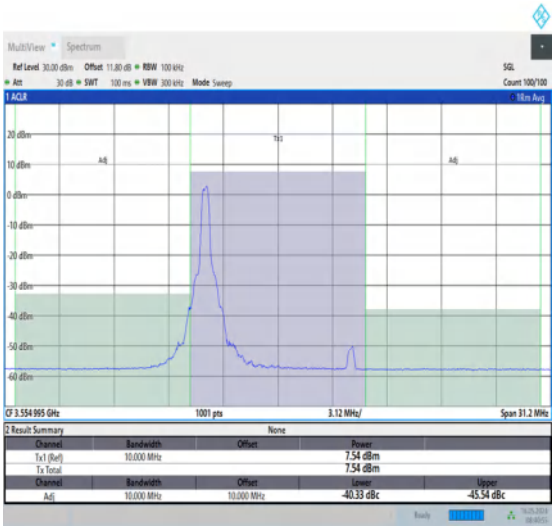

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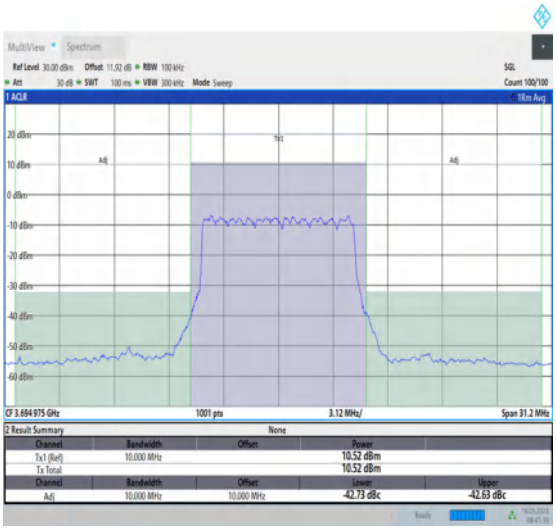

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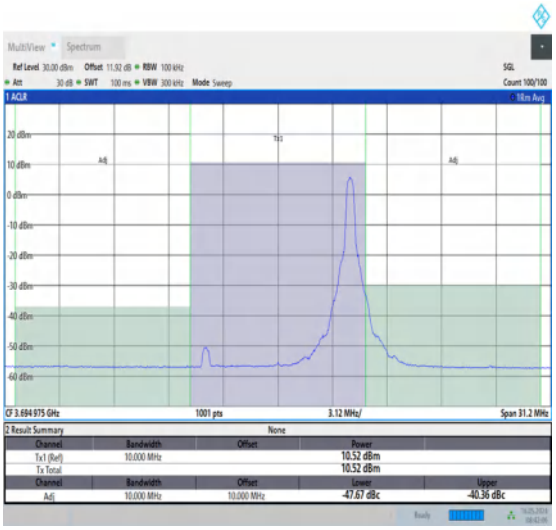

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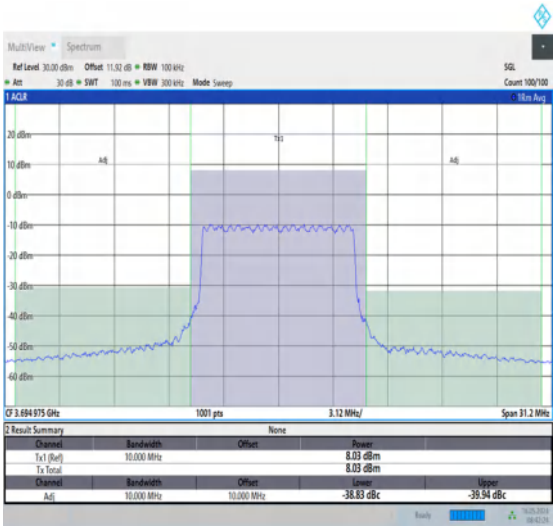

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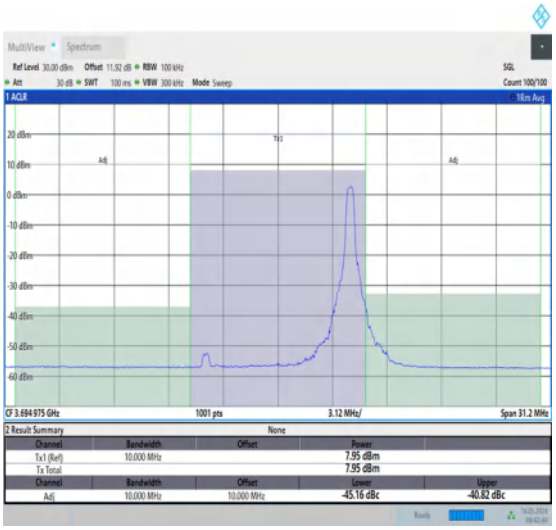

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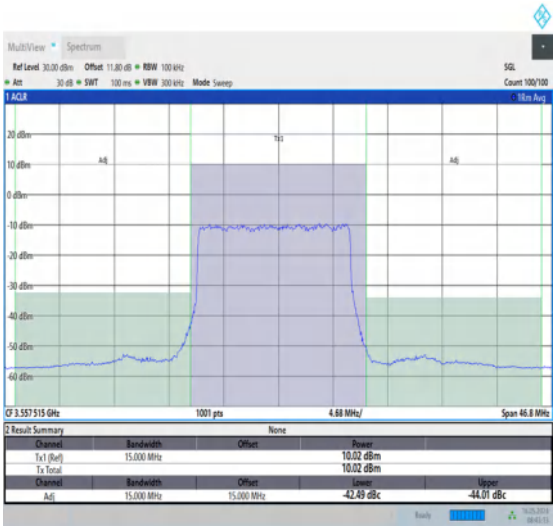

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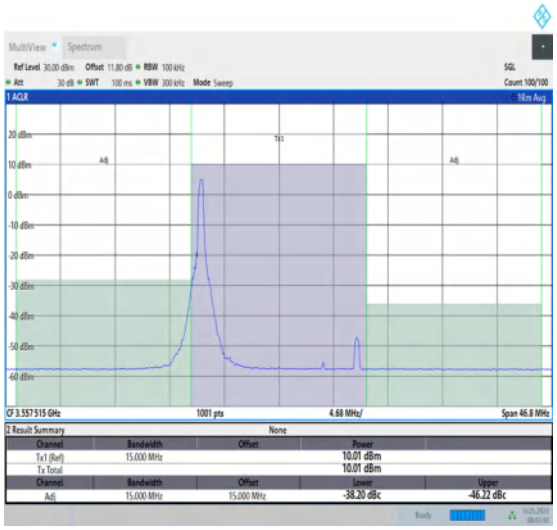

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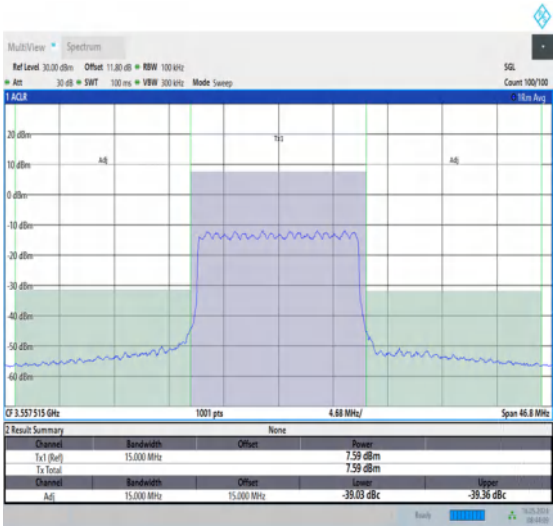

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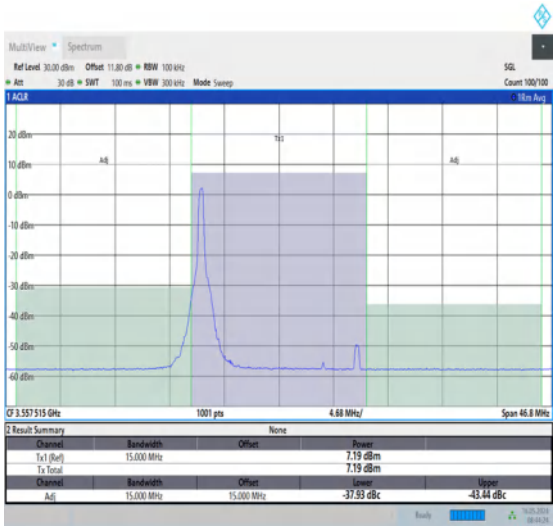

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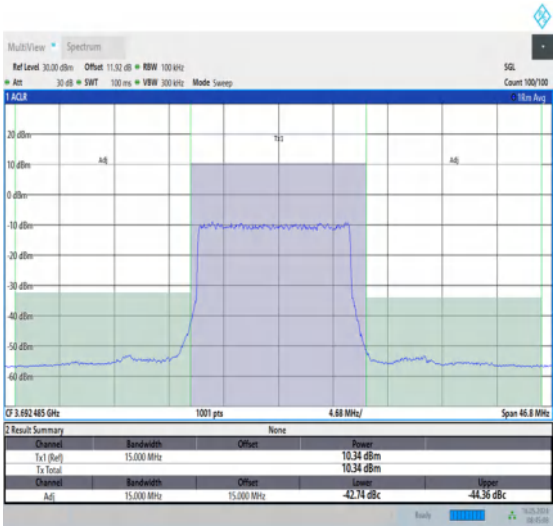

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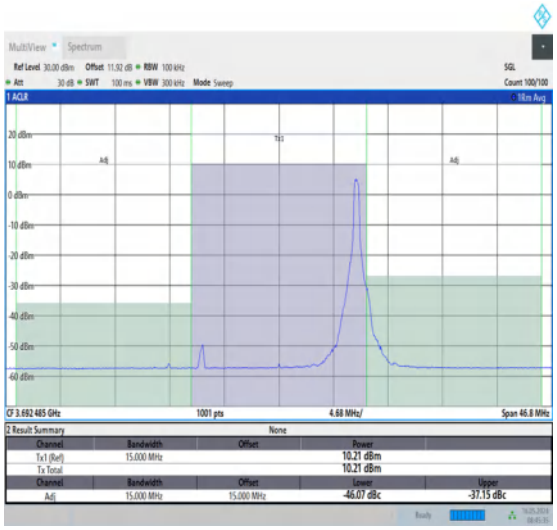

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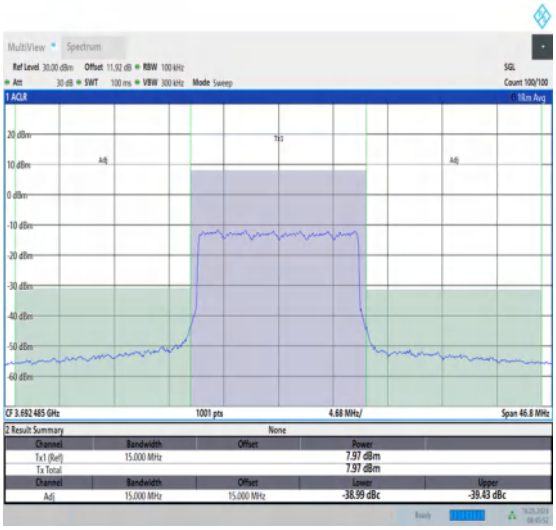

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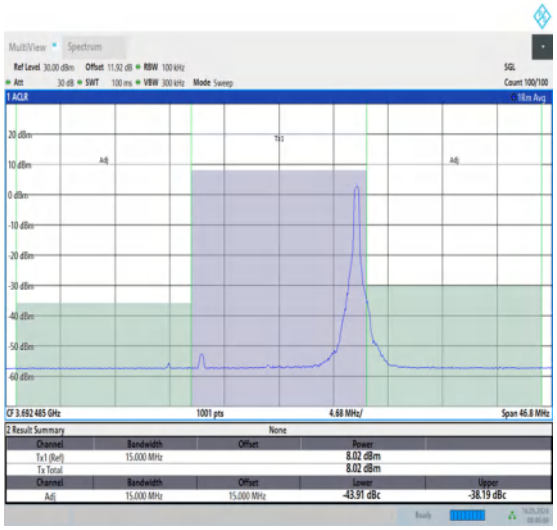

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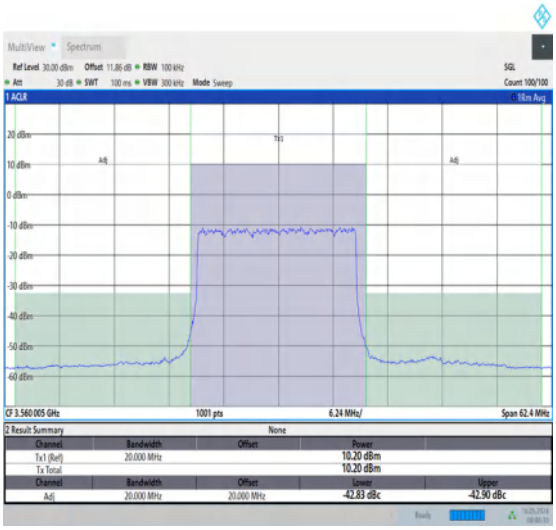

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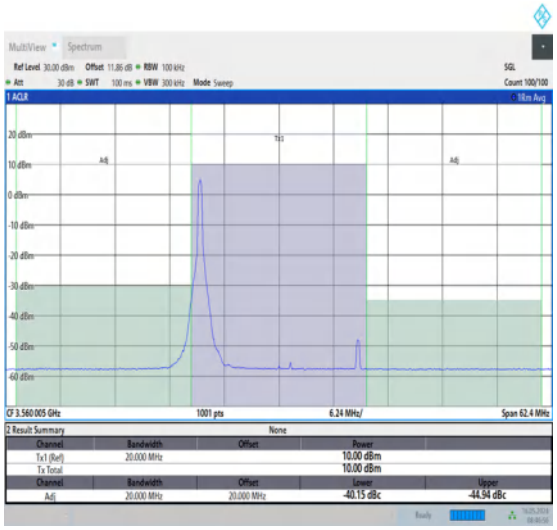

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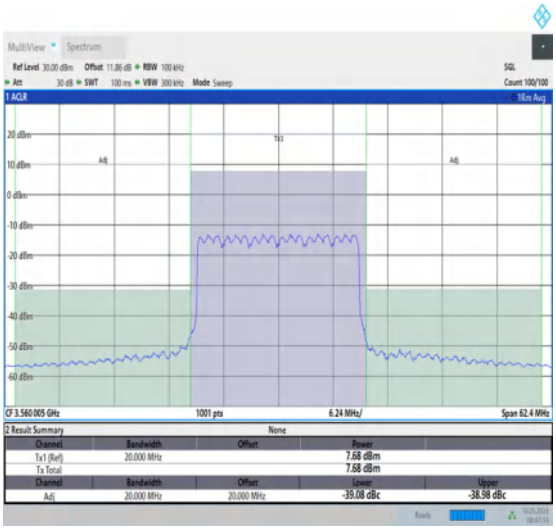

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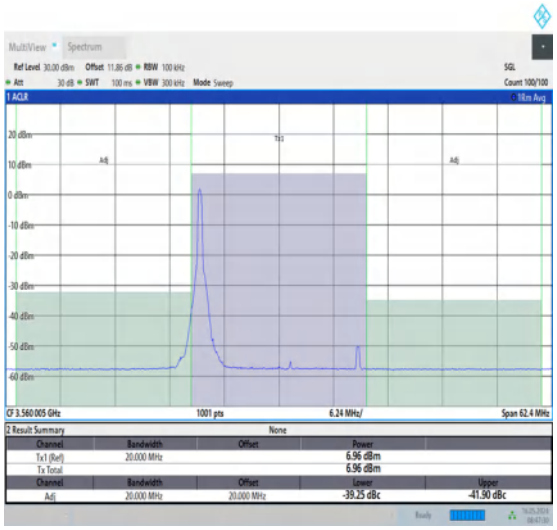

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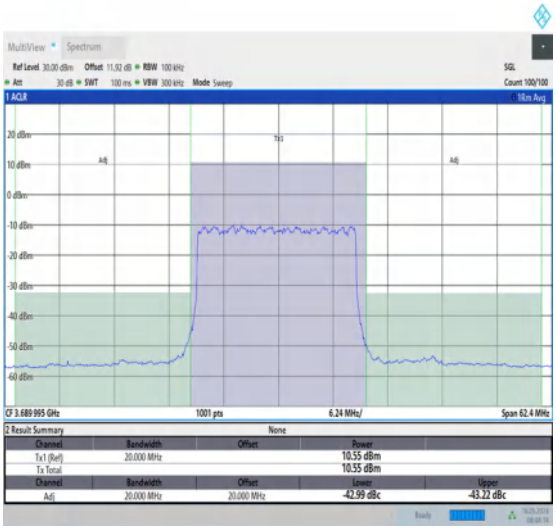

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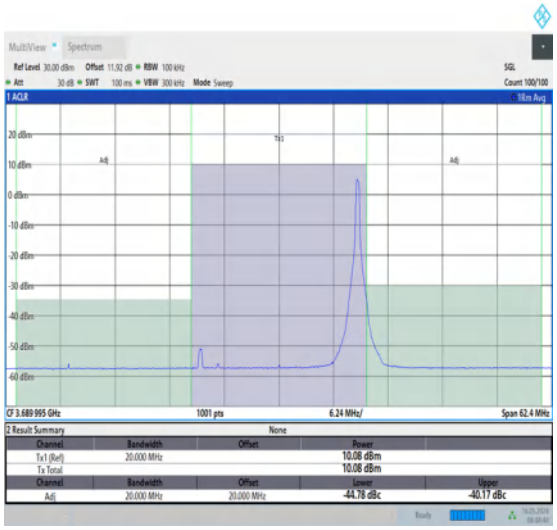

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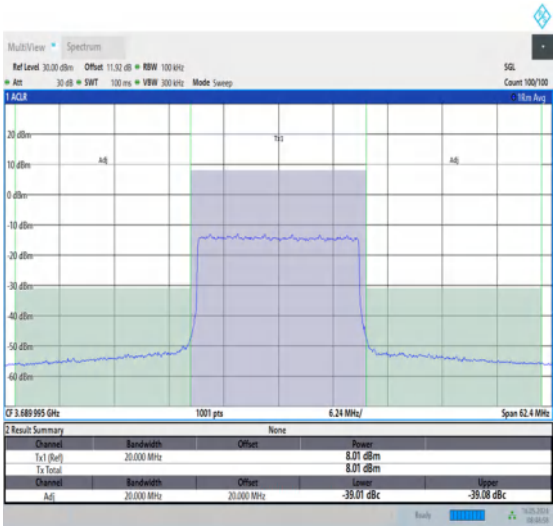

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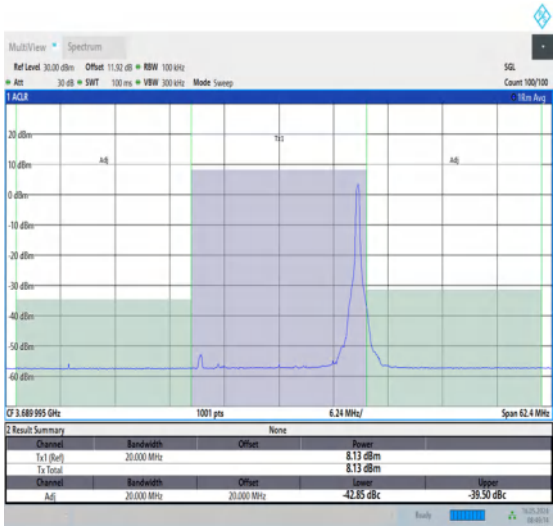

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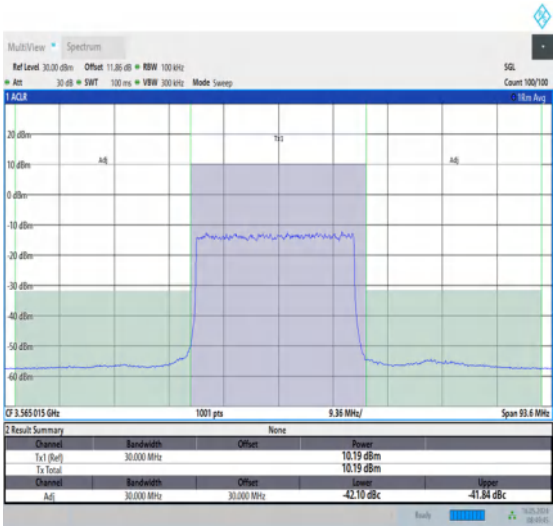

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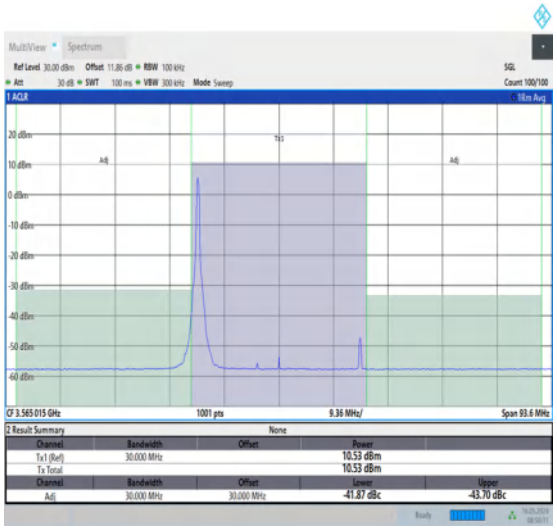

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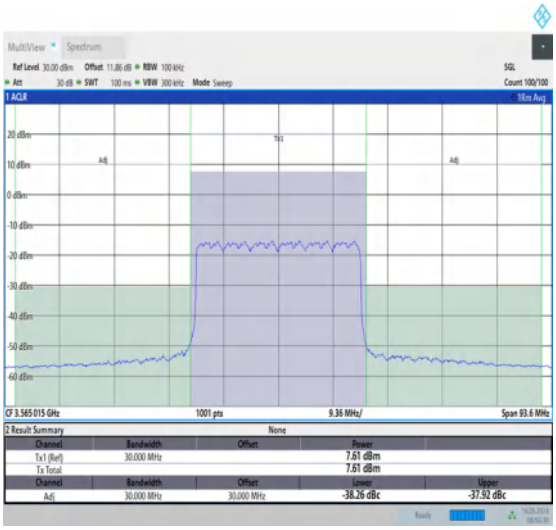

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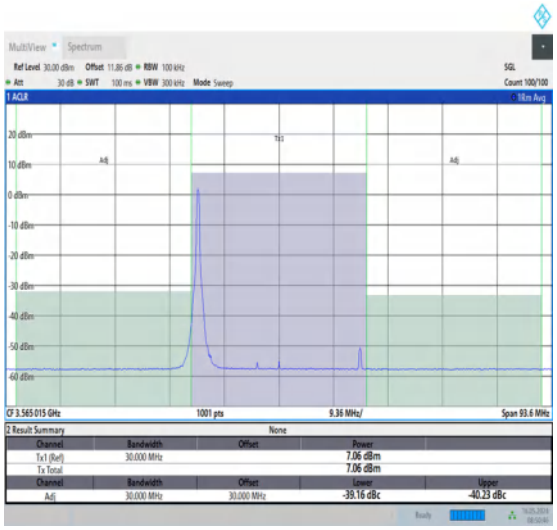

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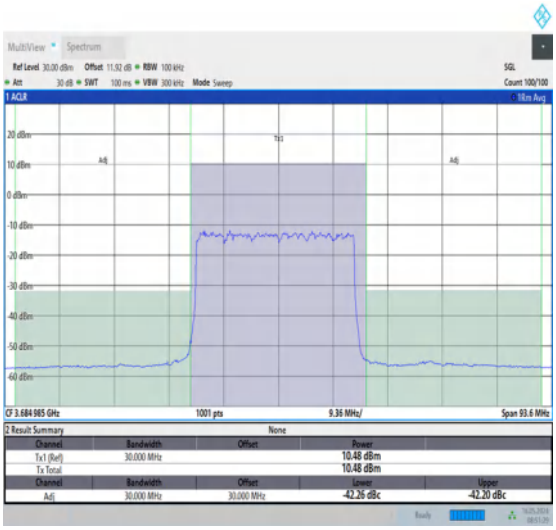

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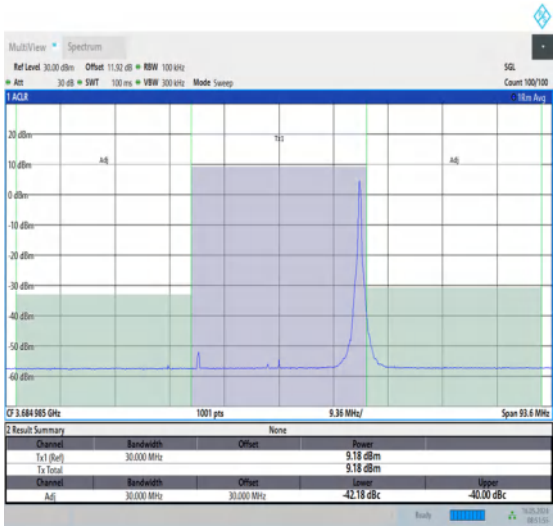

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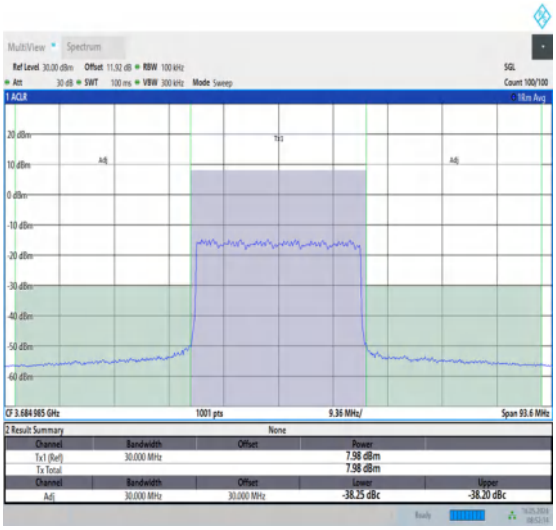

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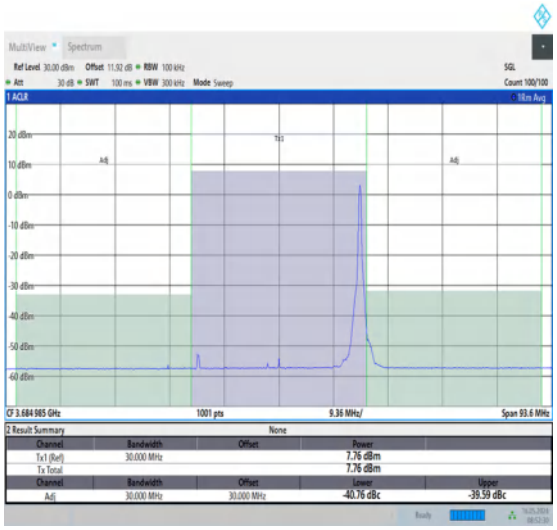

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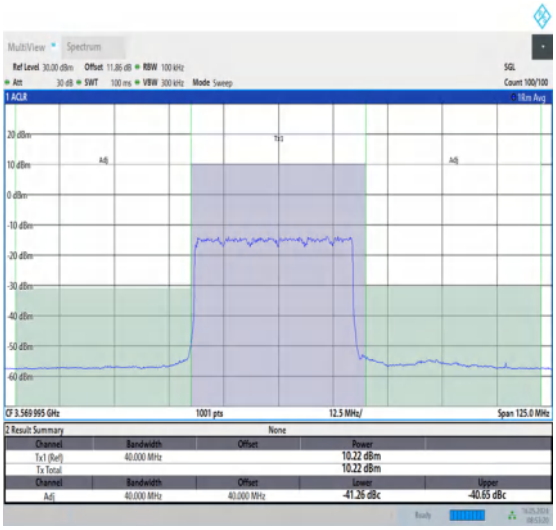

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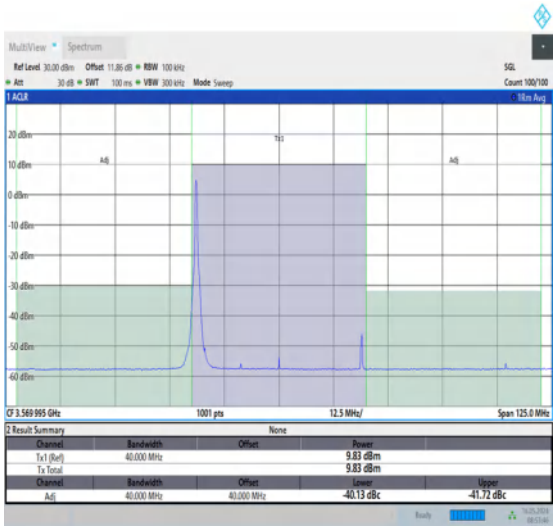

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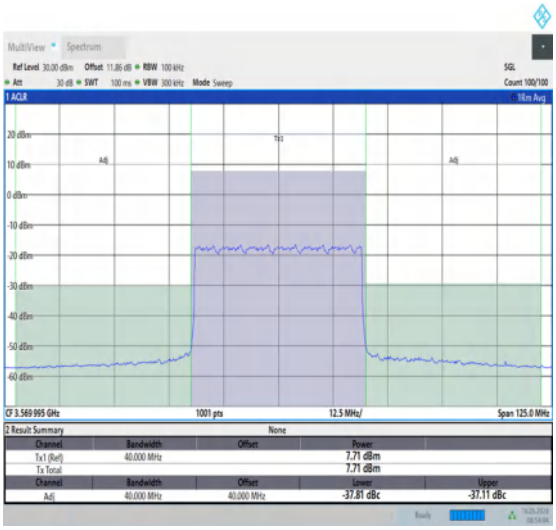

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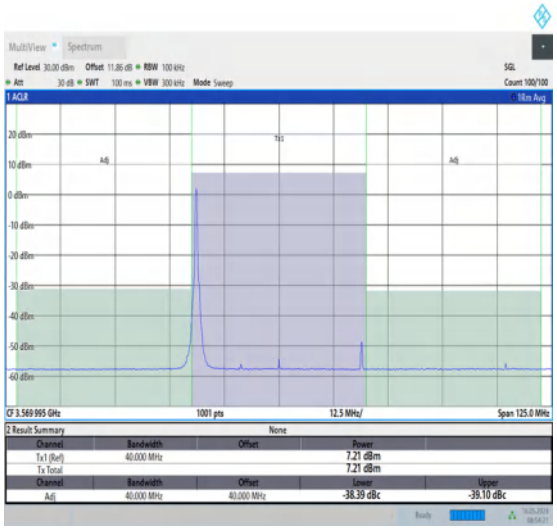

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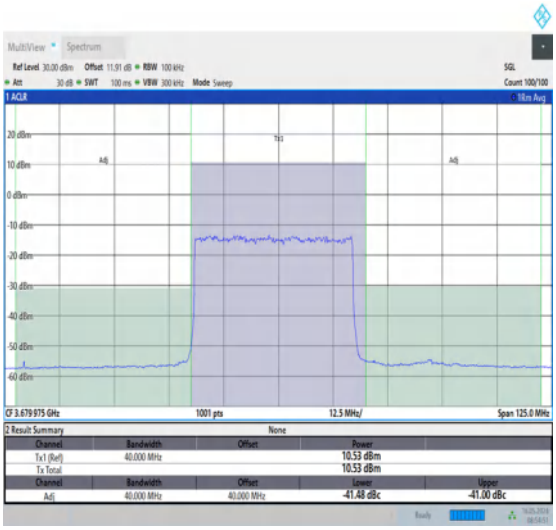

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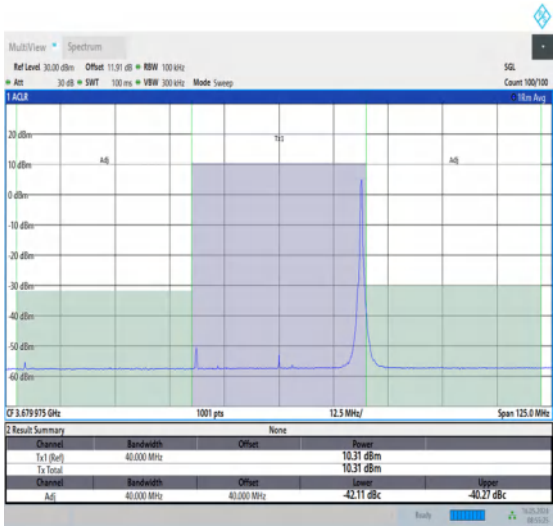

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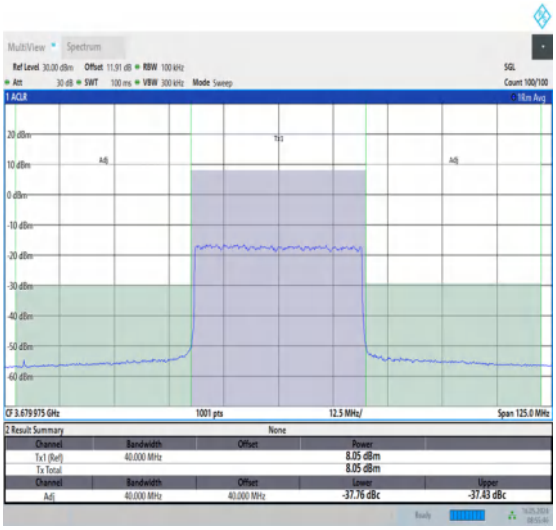

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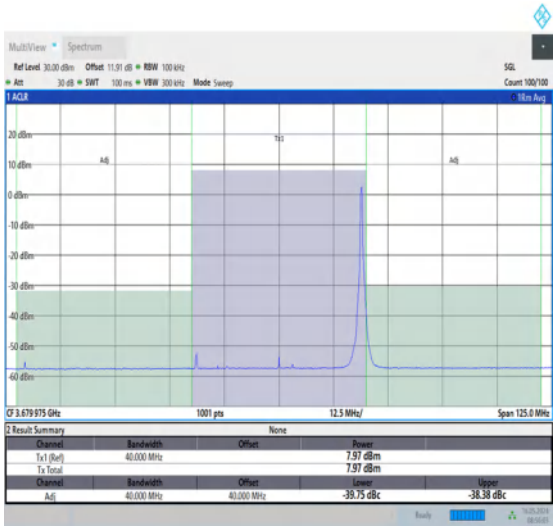

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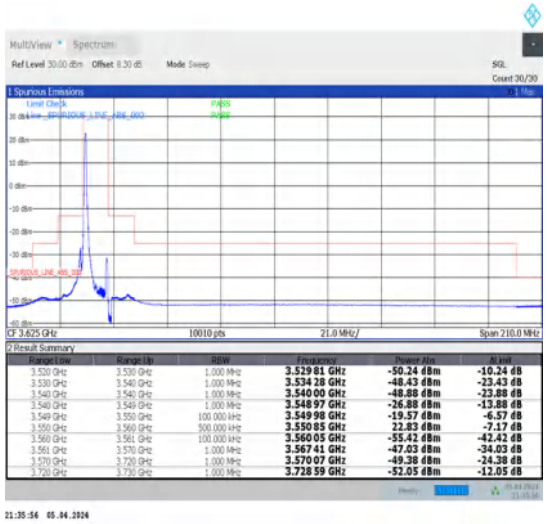
Band Edge for SA

Test Graphs



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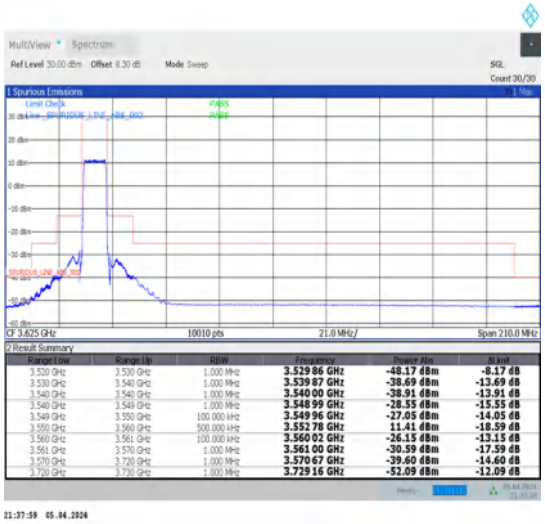

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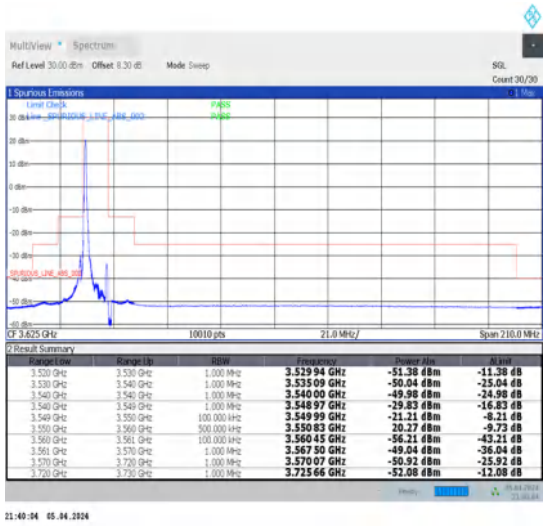

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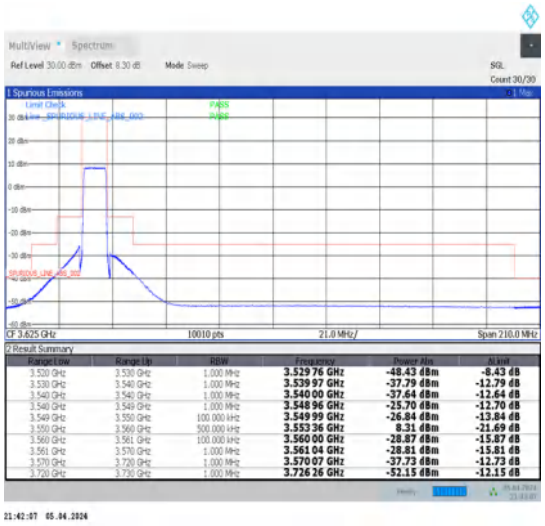

1-N48-30-10-L-6-CP-QPSK-Outer_Full-24@0-Ant1-1--PASS-see graph

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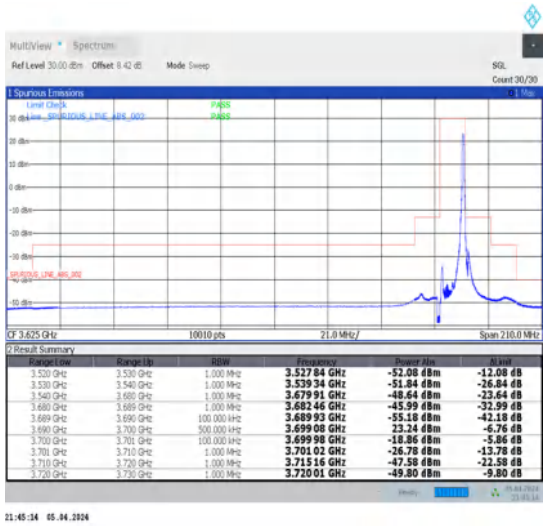

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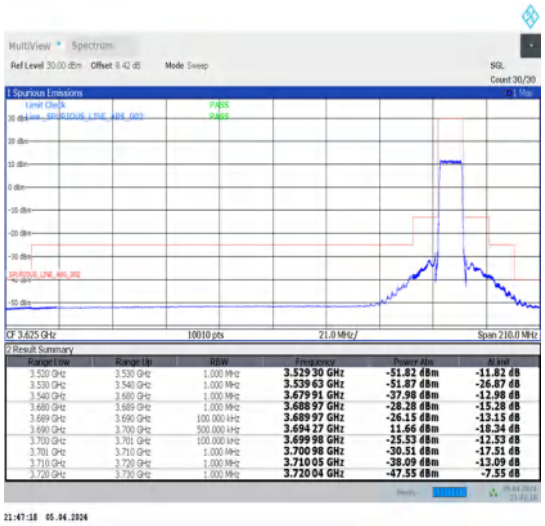

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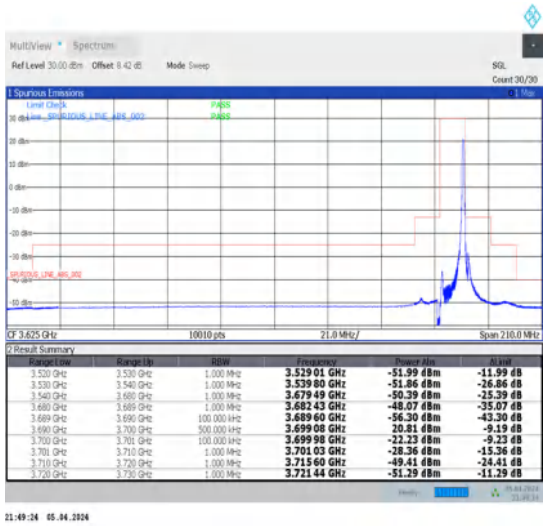

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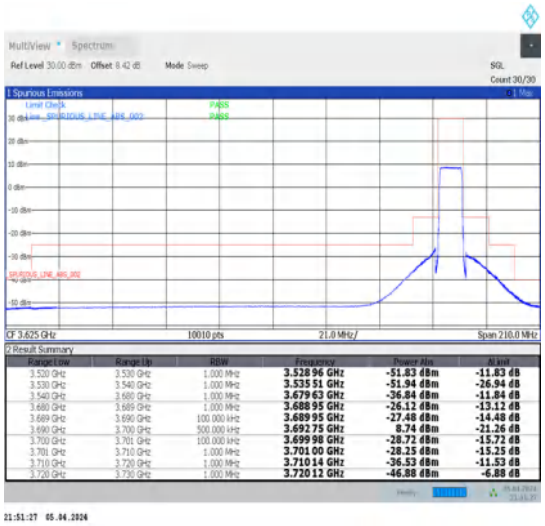

1-N48-30-10-H-6-CP-QPSK-Outer_Full-24@0-Ant1-1--PASS-see graph

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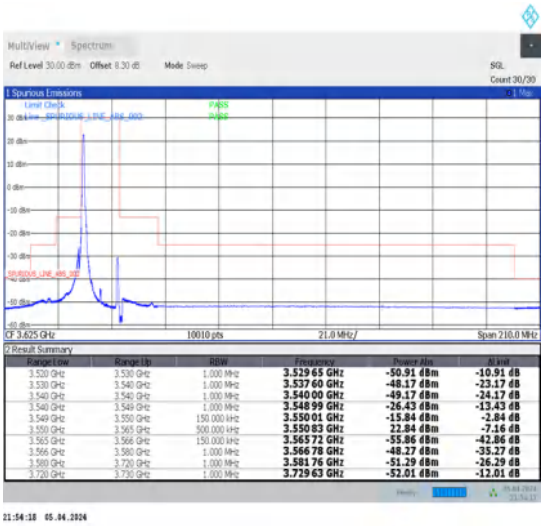

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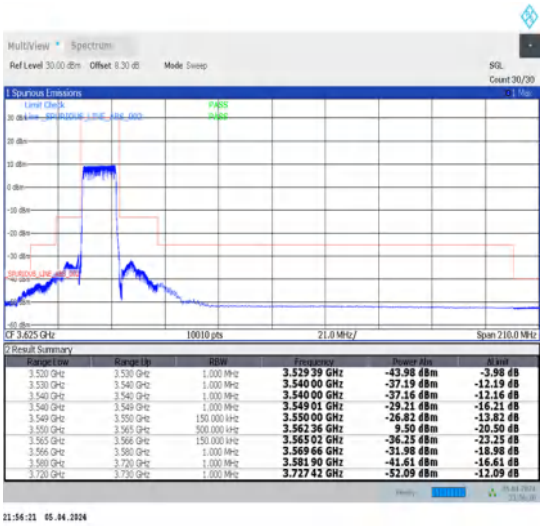

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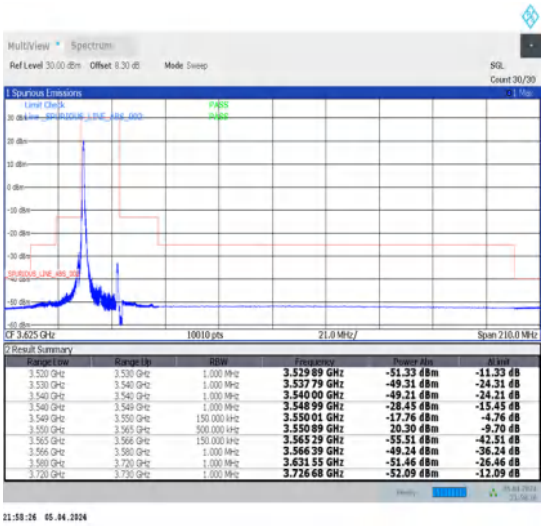

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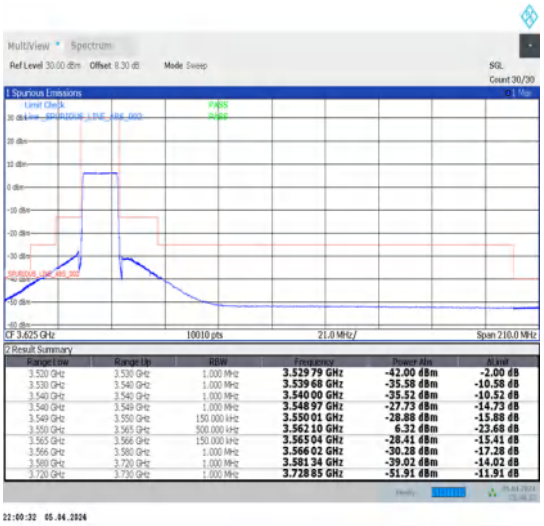

1-N48-30-15-L-6-CP-QPSK-Outer_Full-38@0-Ant1-1--PASS-see graph

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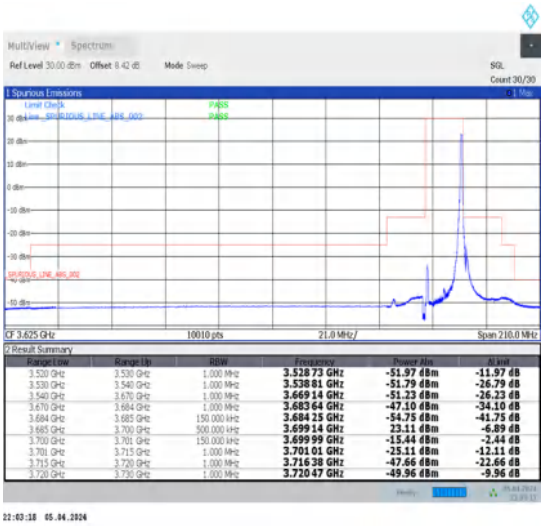

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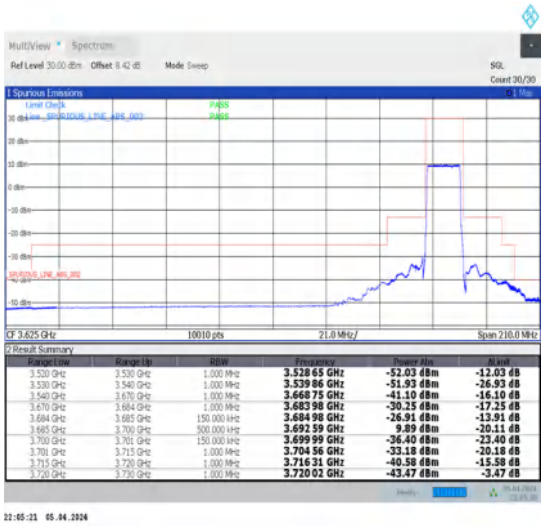

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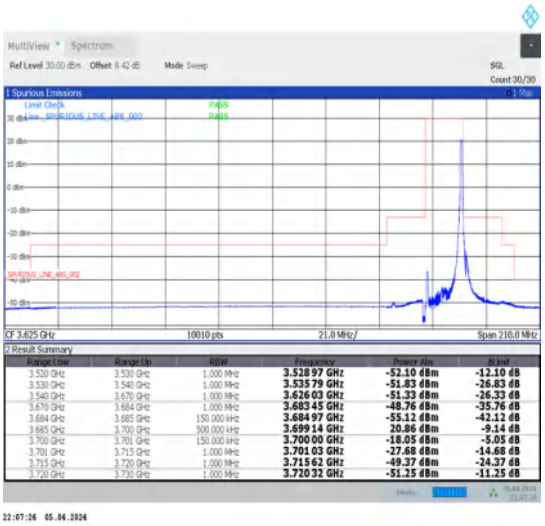

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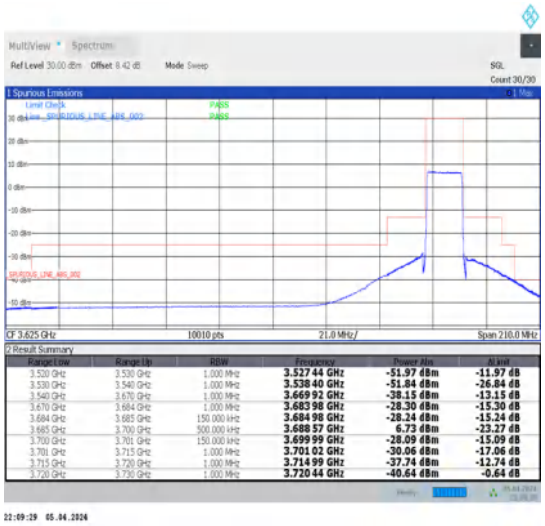

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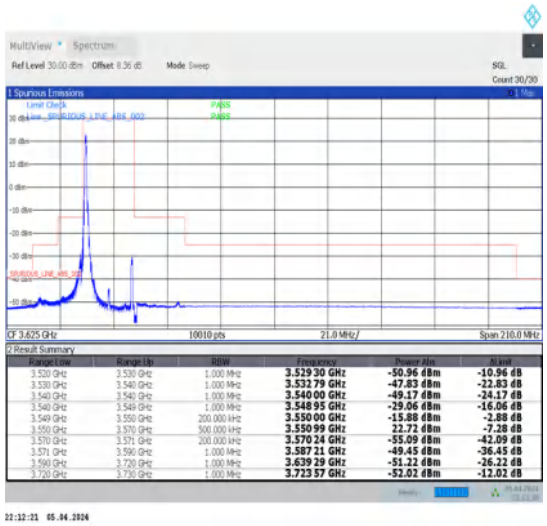

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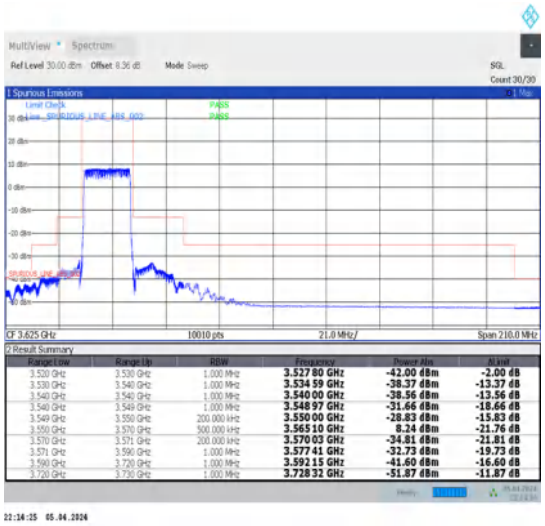

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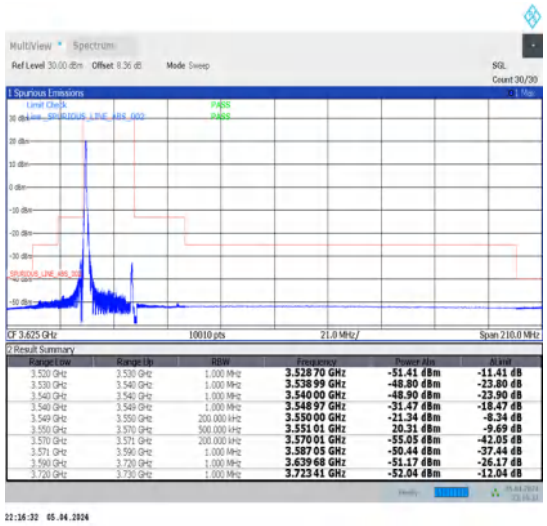

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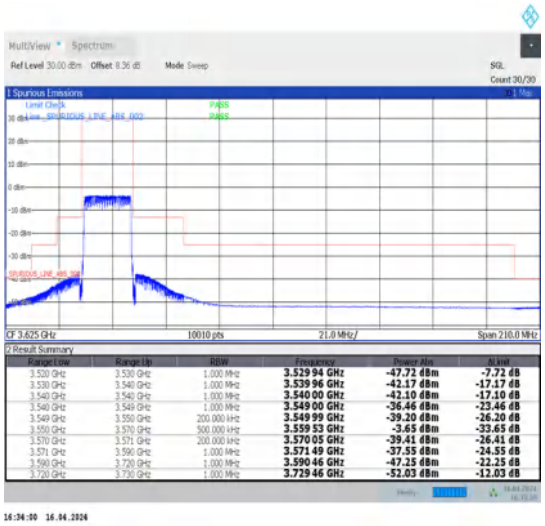

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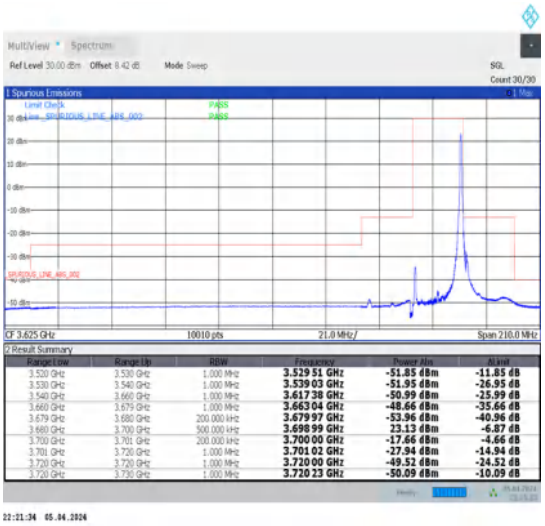

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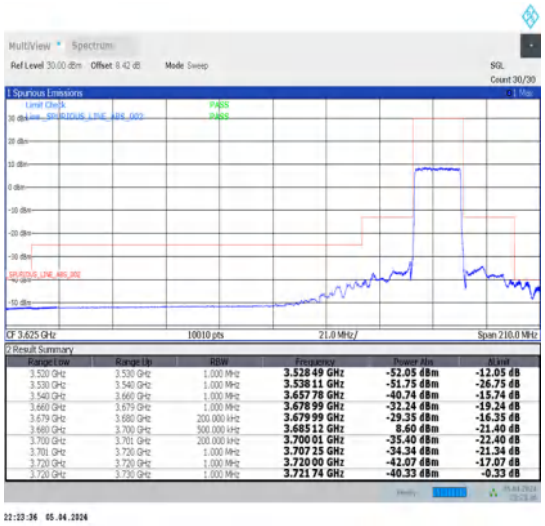

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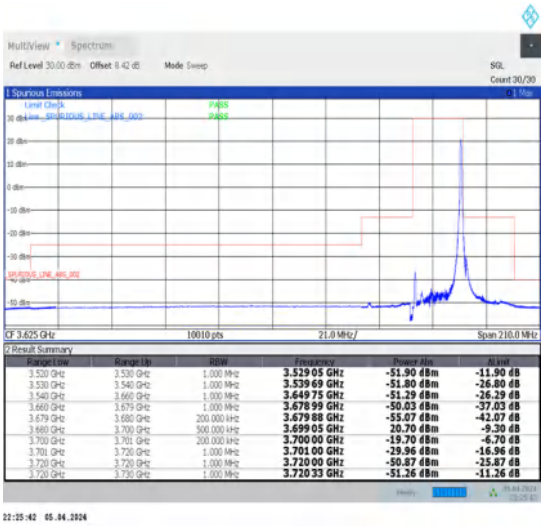

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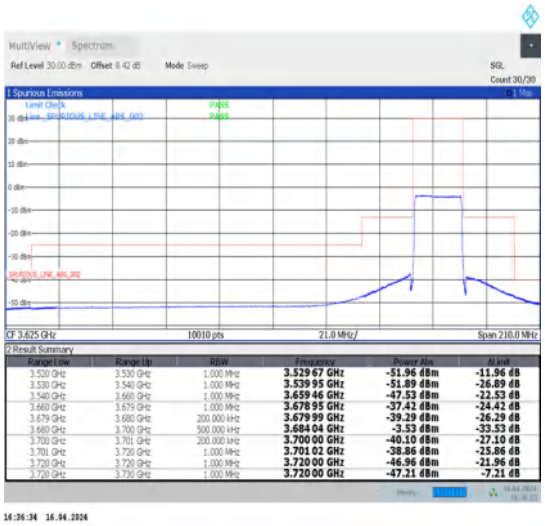

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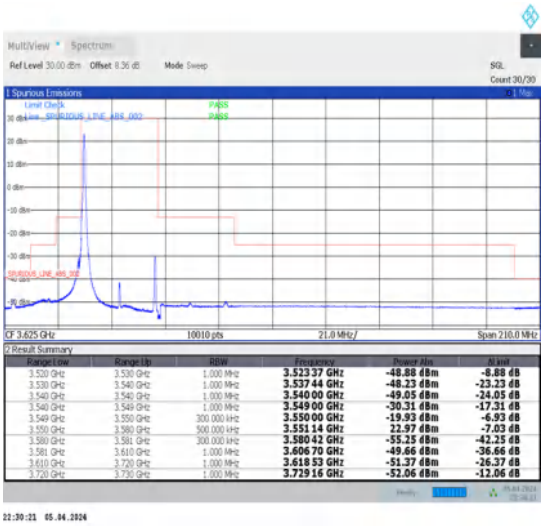

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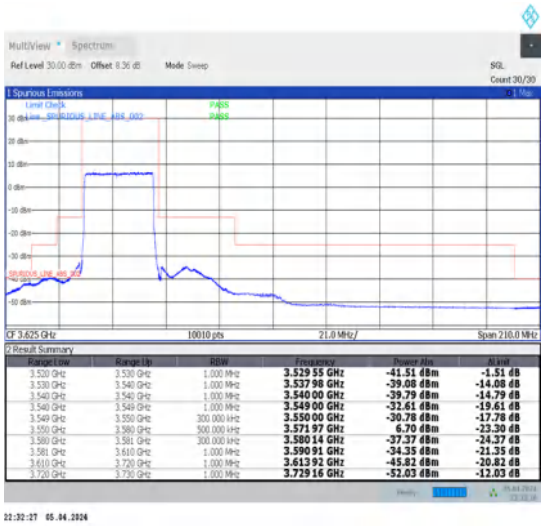

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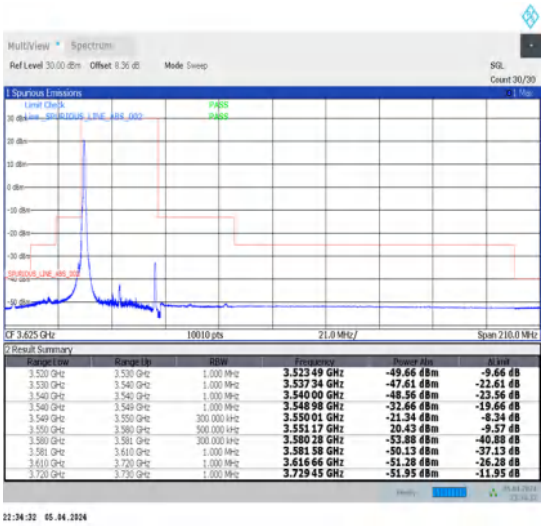

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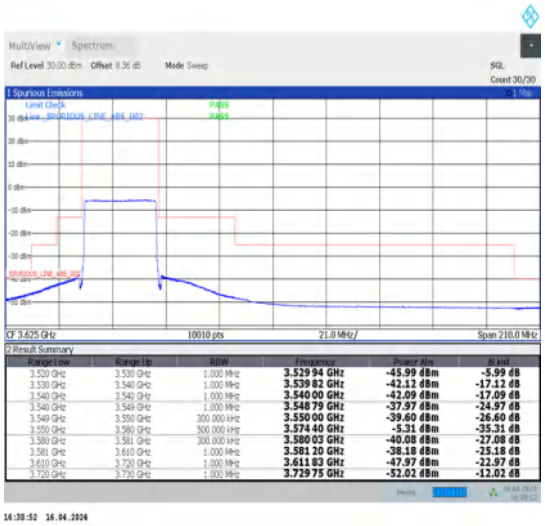

1-N48-30-30-L-6-CP-QPSK-Outer_Full-78@0-Ant1-1--PASS-see graph

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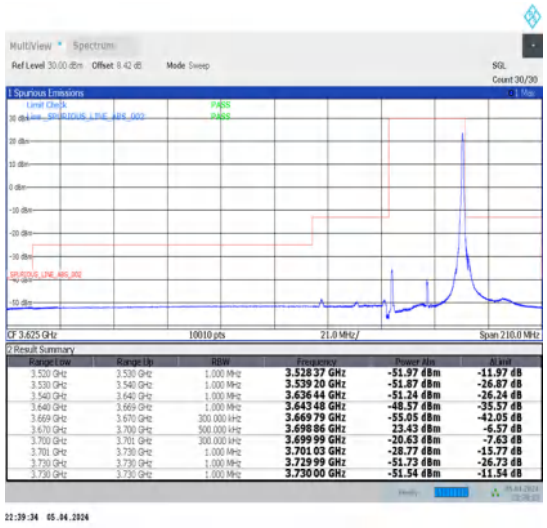

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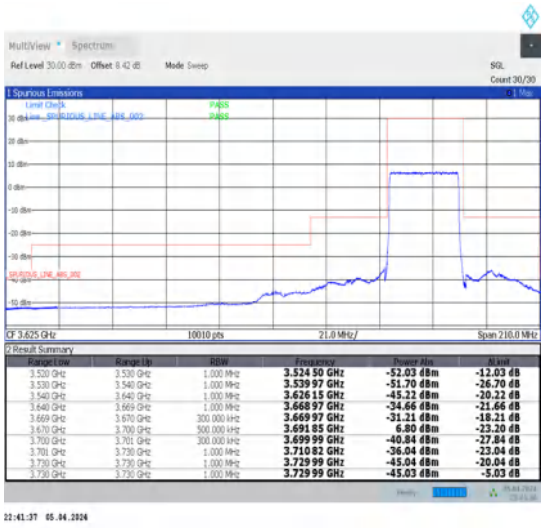

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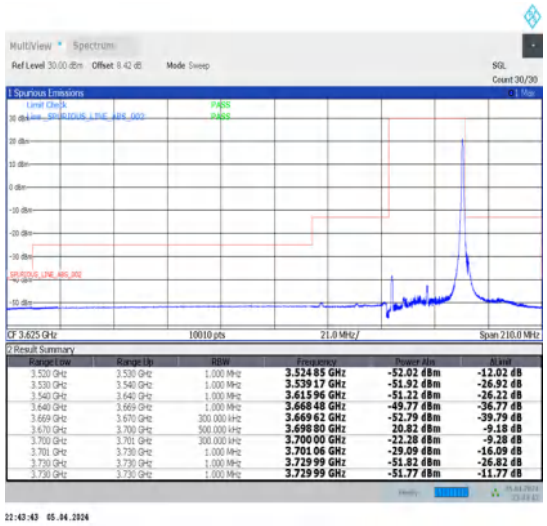

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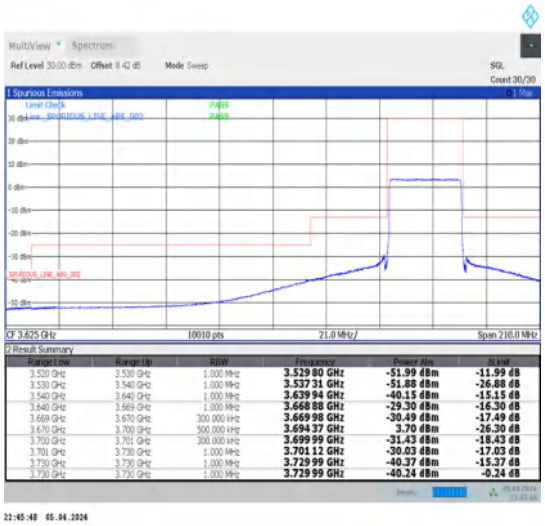

1-N48-30-30-H-6-CP-QPSK-Outer_Full-78@0-Ant1-1--PASS-see graph

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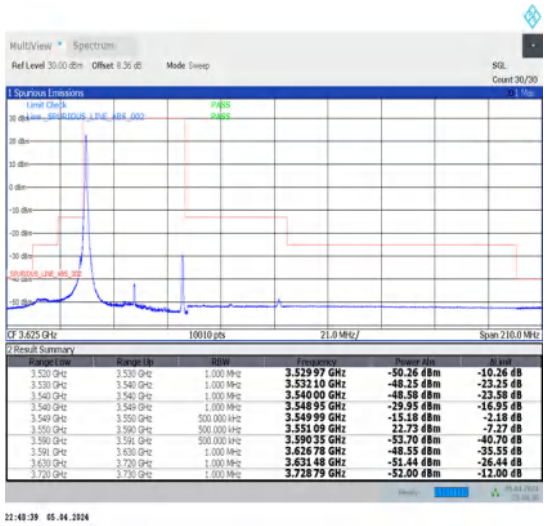

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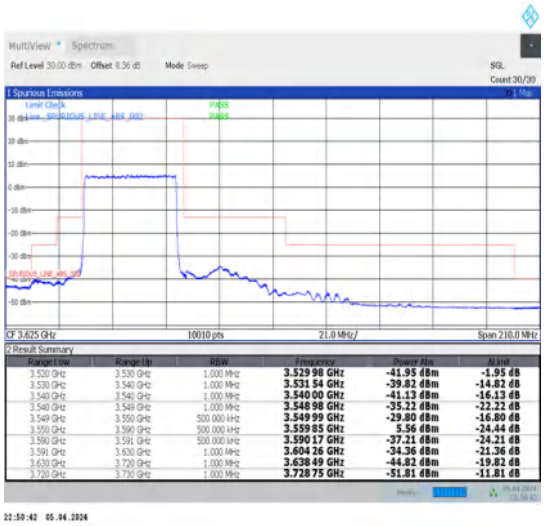

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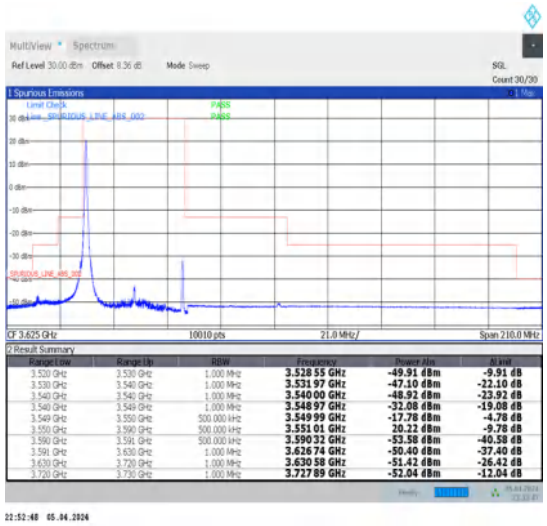

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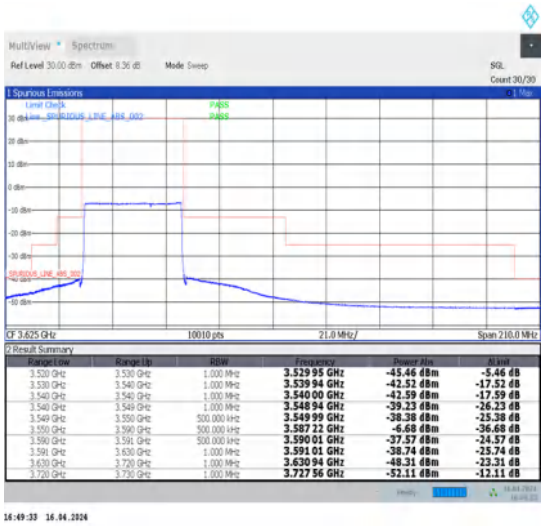

1-N48-30-40-L-6-CP-QPSK-Outer_Full-106@0-Ant1-1--PASS-see graph

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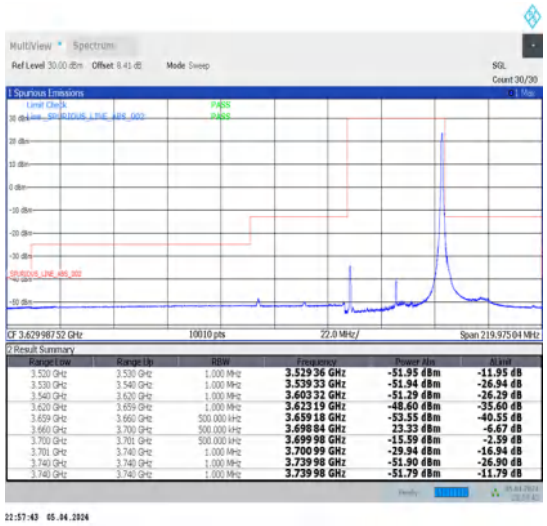

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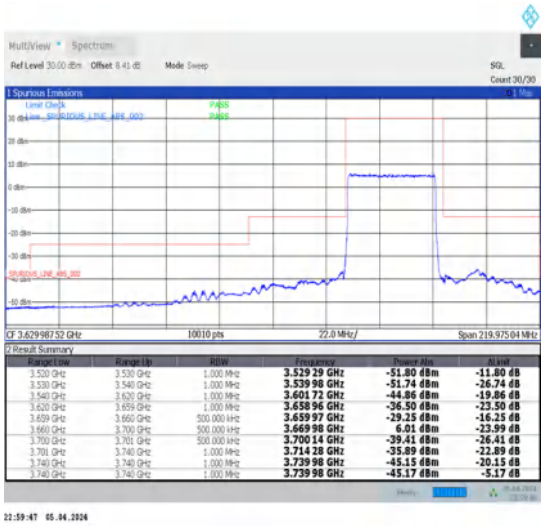

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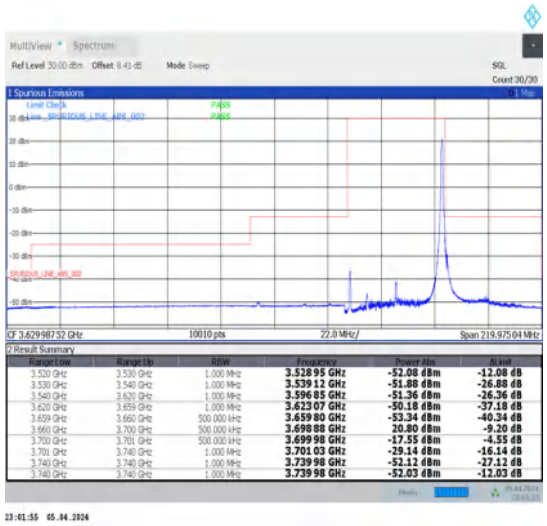

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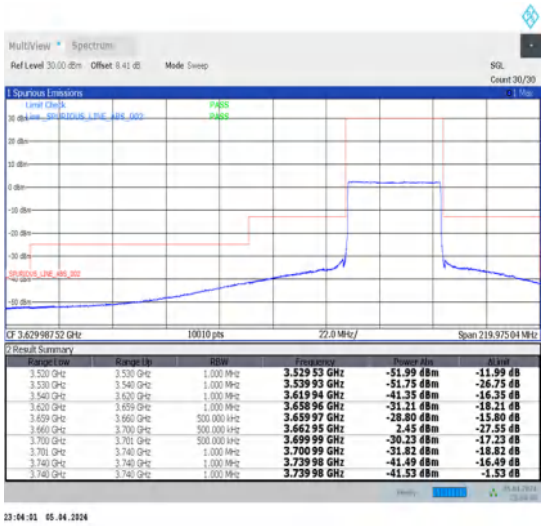

1-N48-30-40-H-6-CP-QPSK-Outer_Full-106@0-Ant1-1--PASS-see graph

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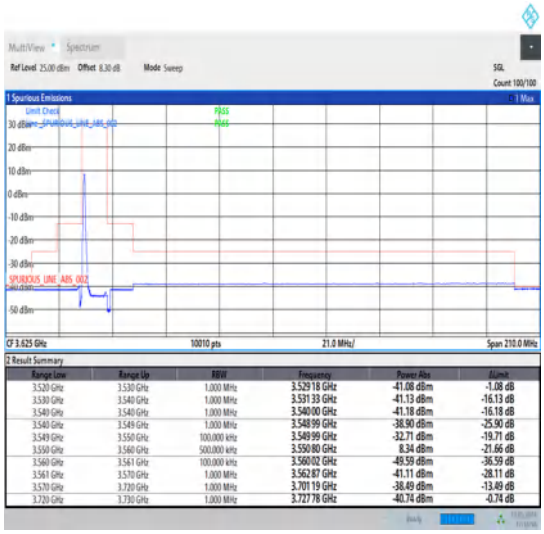
Band Edge for MIMO ANT1

Test Graphs



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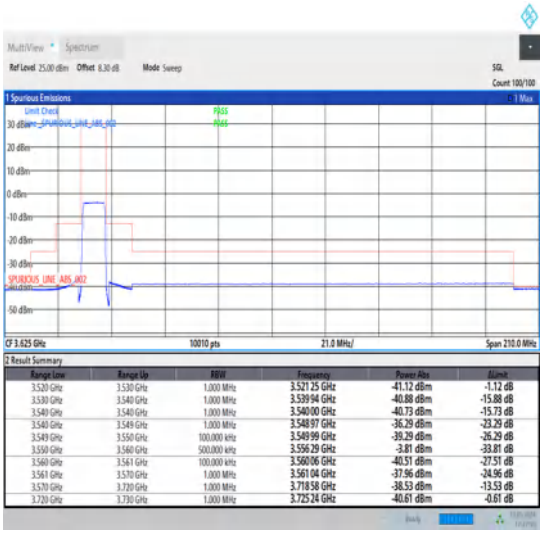

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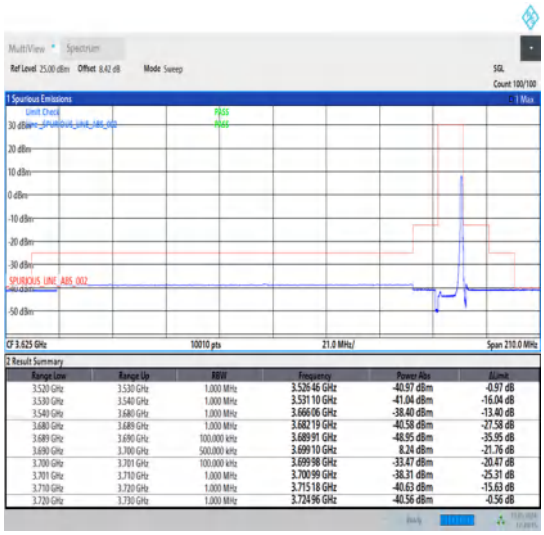

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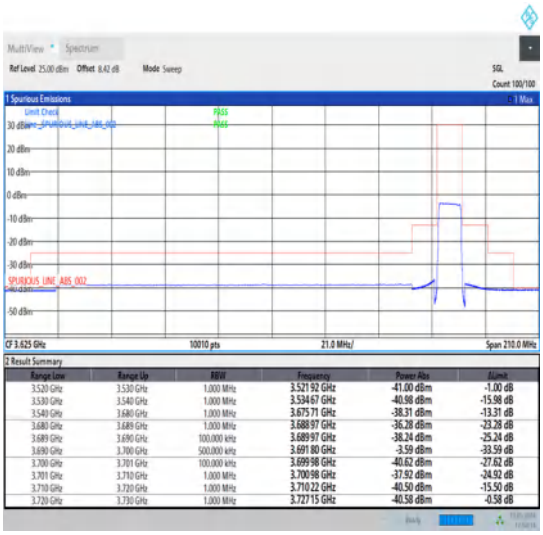

1-N48-30-10-H-3-CP-QPSK-Outer_Full-24@0-Ant1-1--PASS-see graph

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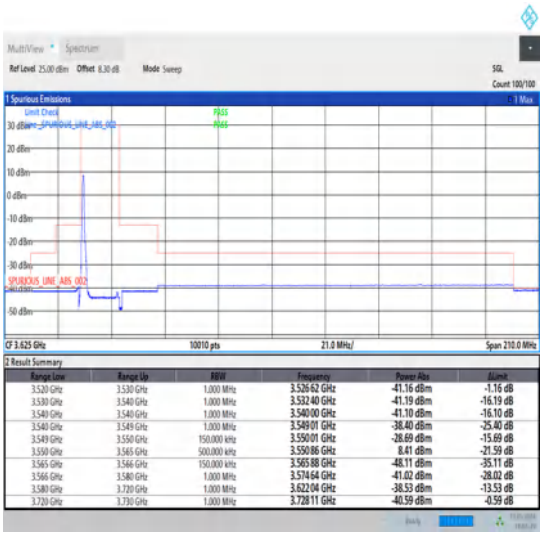

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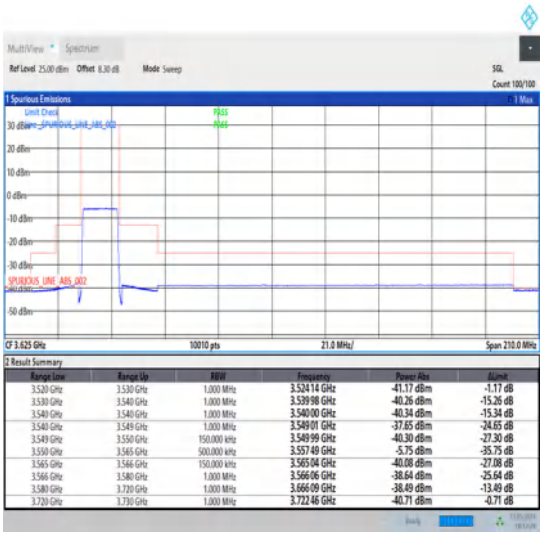

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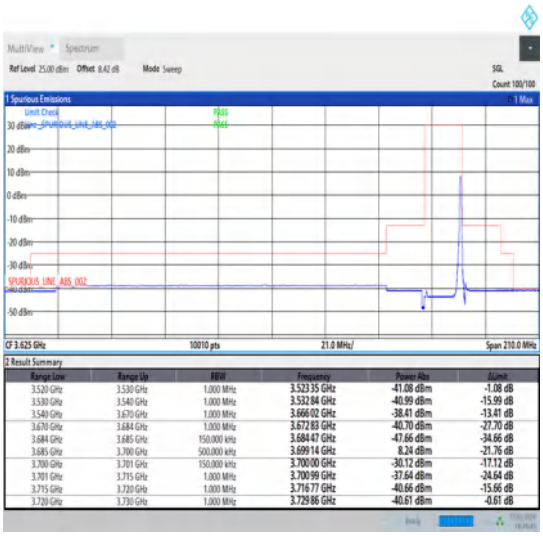

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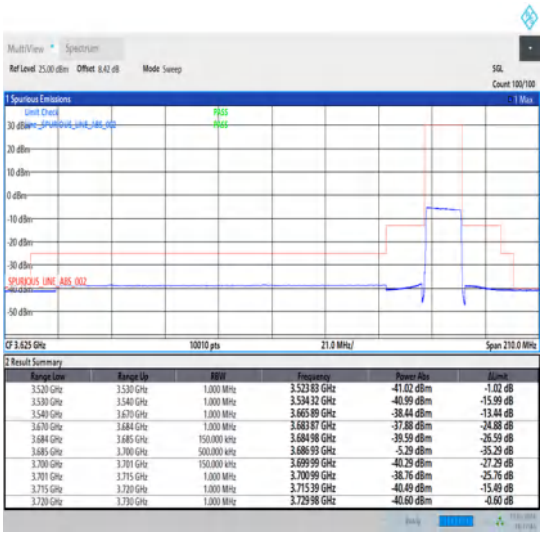

1-N48-30-15-H-3-CP-QPSK-Outer_Full-38@0-Ant1-1--PASS-see graph

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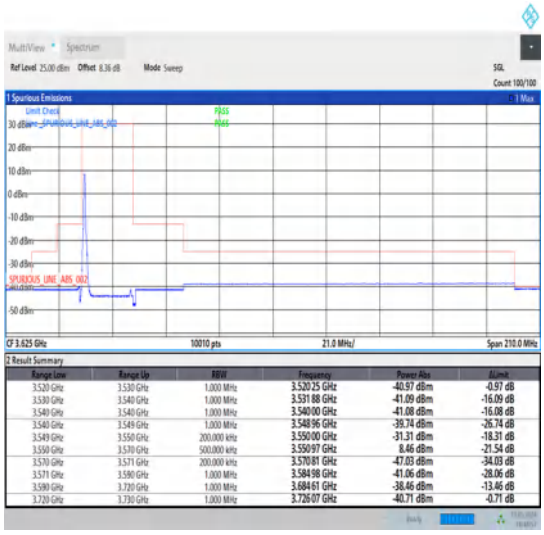
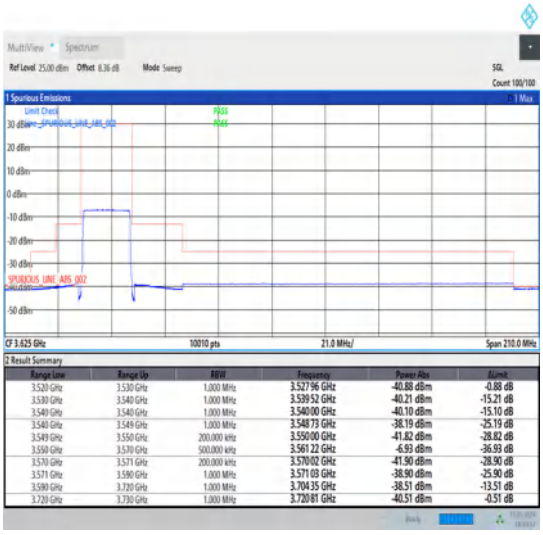


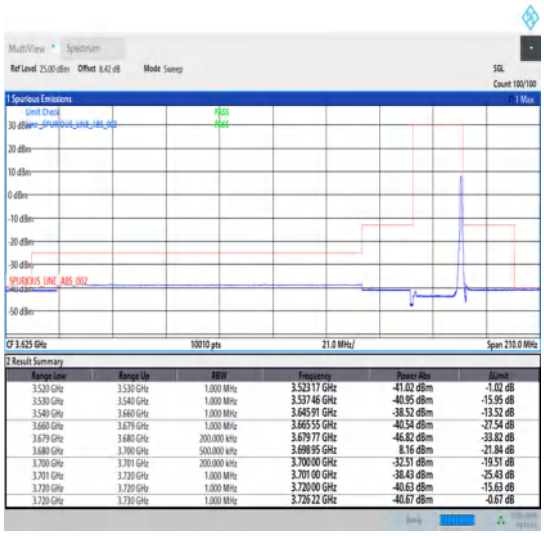
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.520 GHz	3.530 GHz	1.000 MHz	3.520 25 GHz	-40.97 dBm	-0.97 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.531 88 GHz	-41.09 dBm	-16.09 dB
3.540 GHz	3.540 GHz	1.000 MHz	3.540 00 GHz	-41.08 dBm	-16.08 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.548 96 GHz	-39.74 dBm	-26.74 dB
3.549 GHz	3.550 GHz	200.000 kHz	3.550 00 GHz	-31.31 dBm	-18.31 dB
3.550 GHz	3.570 GHz	500.000 kHz	3.550 97 GHz	8.46 dBm	-21.54 dB
3.570 GHz	3.571 GHz	200.000 kHz	3.570 81 GHz	-47.03 dBm	-34.03 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.584 98 GHz	-41.06 dBm	-28.06 dB
3.590 GHz	3.720 GHz	1.000 MHz	3.684 61 GHz	-38.46 dBm	-13.46 dB
3.720 GHz	3.730 GHz	1.000 MHz	3.726 07 GHz	-40.71 dBm	-0.71 dB

1-N48-30-20-L-1-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



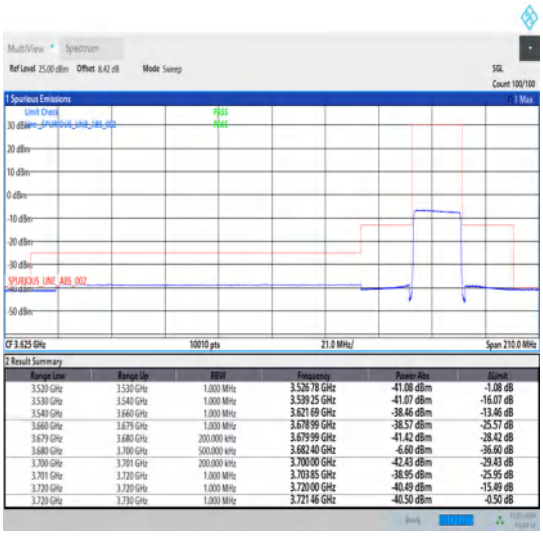
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.520 GHz	3.530 GHz	1.000 MHz	3.527 96 GHz	-40.88 dBm	-0.88 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.539 52 GHz	-40.21 dBm	-15.21 dB
3.540 GHz	3.540 GHz	1.000 MHz	3.540 00 GHz	-40.10 dBm	-15.10 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.548 73 GHz	-38.19 dBm	-25.19 dB
3.549 GHz	3.550 GHz	200.000 kHz	3.550 00 GHz	-41.82 dBm	-28.82 dB
3.550 GHz	3.570 GHz	500.000 kHz	3.561 22 GHz	-6.93 dBm	-36.93 dB
3.570 GHz	3.571 GHz	200.000 kHz	3.570 02 GHz	-41.90 dBm	-28.90 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.571 03 GHz	-38.90 dBm	-25.90 dB
3.590 GHz	3.720 GHz	1.000 MHz	3.704 35 GHz	-38.51 dBm	-13.51 dB
3.720 GHz	3.730 GHz	1.000 MHz	3.720 81 GHz	-40.51 dBm	-0.51 dB

1-N48-30-20-L-3-CP-QPSK-Outer_Full-51@0-Ant1-1--PASS-see graph



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.520 GHz	3.530 GHz	1.000 MHz	3.523 17 GHz	-41.02 dBm	-1.02 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.537 46 GHz	-40.95 dBm	-15.95 dB
3.540 GHz	3.660 GHz	1.000 MHz	3.645 91 GHz	-38.52 dBm	-13.52 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.665 55 GHz	-40.54 dBm	-27.54 dB
3.679 GHz	3.680 GHz	200.000 kHz	3.679 77 GHz	-46.82 dBm	-33.82 dB
3.680 GHz	3.700 GHz	500.000 kHz	3.698 95 GHz	8.16 dBm	-21.84 dB
3.700 GHz	3.701 GHz	200.000 kHz	3.700 00 GHz	-32.51 dBm	-19.51 dB
3.701 GHz	3.720 GHz	1.000 MHz	3.701 00 GHz	-38.43 dBm	-25.43 dB
3.720 GHz	3.720 GHz	1.000 MHz	3.720 00 GHz	-40.63 dBm	-15.63 dB
3.720 GHz	3.730 GHz	1.000 MHz	3.726 22 GHz	-40.67 dBm	-0.67 dB

1-N48-30-20-H-2-CP-QPSK-Edge_1RB_Right-1@50-Ant1-1--PASS-see graph



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.520 GHz	3.530 GHz	1.000 MHz	3.526 78 GHz	-41.08 dBm	-1.08 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.539 25 GHz	-41.07 dBm	-16.07 dB
3.540 GHz	3.660 GHz	1.000 MHz	3.621 69 GHz	-38.46 dBm	-13.46 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.678 99 GHz	-38.57 dBm	-25.57 dB
3.679 GHz	3.680 GHz	200.000 kHz	3.679 99 GHz	-41.42 dBm	-28.42 dB
3.680 GHz	3.700 GHz	500.000 kHz	3.682 40 GHz	-6.60 dBm	-36.60 dB
3.700 GHz	3.701 GHz	200.000 kHz	3.700 00 GHz	-42.43 dBm	-29.43 dB
3.701 GHz	3.720 GHz	1.000 MHz	3.703 85 GHz	-38.95 dBm	-25.95 dB
3.720 GHz	3.720 GHz	1.000 MHz	3.720 00 GHz	-40.49 dBm	-15.49 dB
3.720 GHz	3.730 GHz	1.000 MHz	3.721 46 GHz	-40.50 dBm	-0.50 dB

1-N48-30-20-H-3-CP-QPSK-Outer_Full-51@0-Ant1-1--PASS-see graph

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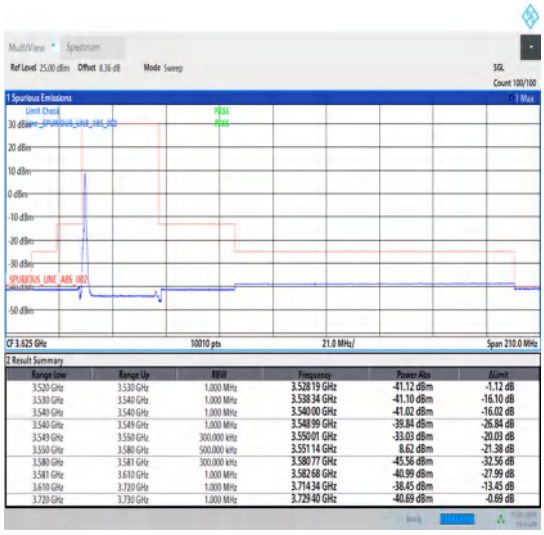

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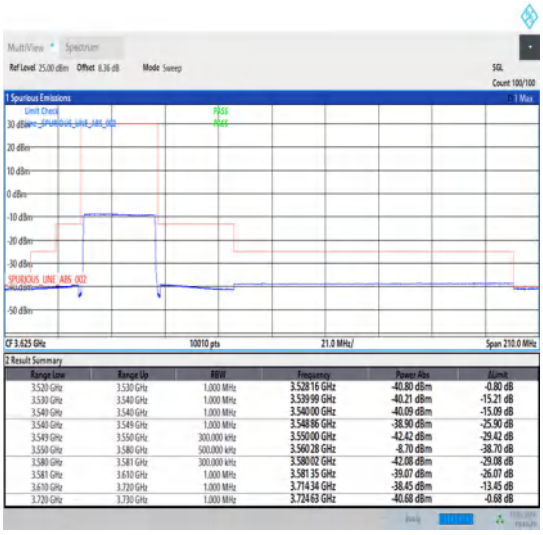
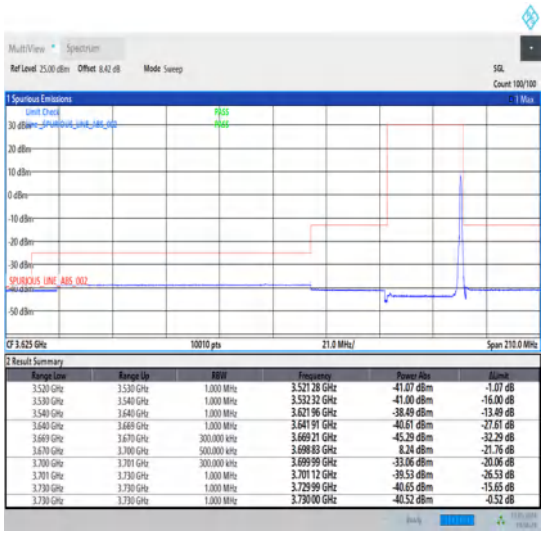
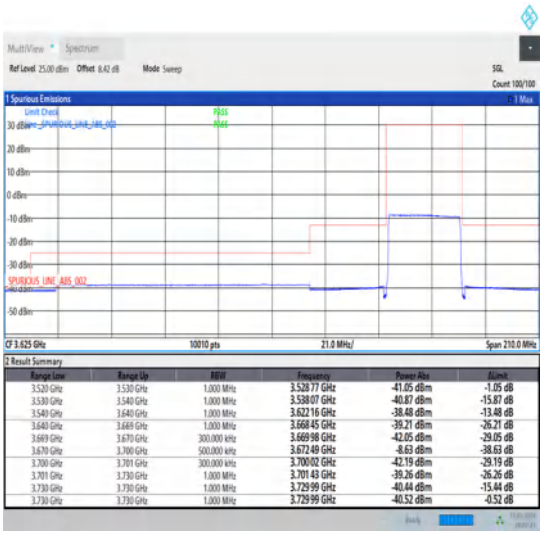


1-N48-30-30-L-3-CP-QPSK-Outer_Full-78@0-Ant1-1--PASS-see graph



1-N48-30-30-H-2-CP-QPSK-Edge_1RB_Right-1@77-Ant1-1--PASS-see graph



1-N48-30-30-H-3-CP-QPSK-Outer_Full-78@0-Ant1-1--PASS-see graph

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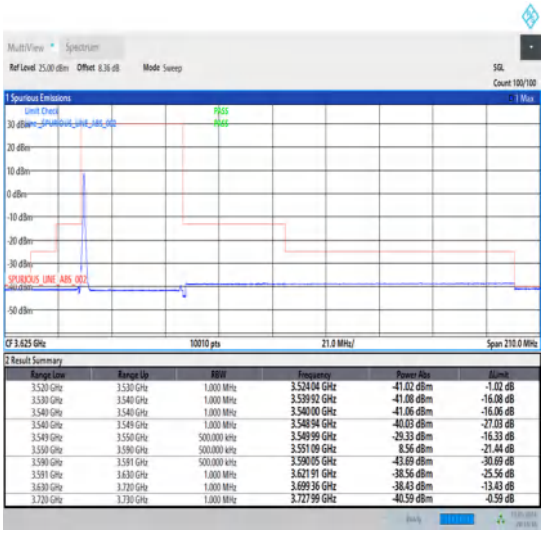
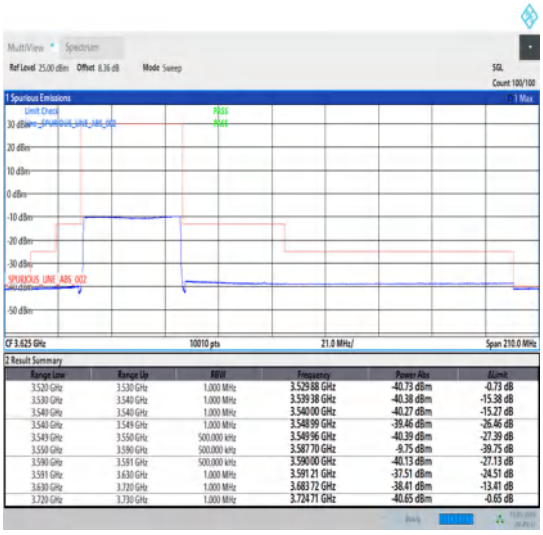


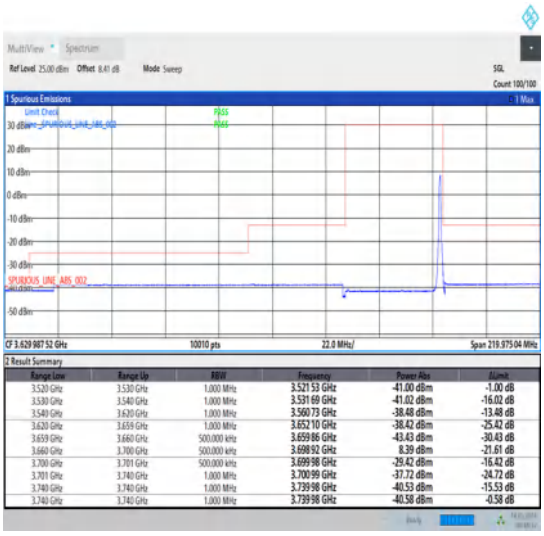
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.520 GHz	3.530 GHz	1.000 MHz	3.524 04 GHz	-41.02 dBm	-1.02 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.539 92 GHz	-41.08 dBm	-16.08 dB
3.540 GHz	3.540 GHz	1.000 MHz	3.540 00 GHz	-41.06 dBm	-16.06 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.548 94 GHz	-40.03 dBm	-27.03 dB
3.549 GHz	3.550 GHz	500.000 kHz	3.549 99 GHz	-29.33 dBm	-16.33 dB
3.550 GHz	3.590 GHz	500.000 kHz	3.551 09 GHz	8.56 dBm	-21.44 dB
3.590 GHz	3.591 GHz	500.000 kHz	3.590 05 GHz	-43.69 dBm	-30.69 dB
3.591 GHz	3.630 GHz	1.000 MHz	3.621 91 GHz	-38.56 dBm	-25.56 dB
3.630 GHz	3.720 GHz	1.000 MHz	3.699 36 GHz	-38.43 dBm	-13.43 dB
3.720 GHz	3.730 GHz	1.000 MHz	3.727 99 GHz	-40.59 dBm	-0.59 dB

1-N48-30-40-L-1-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



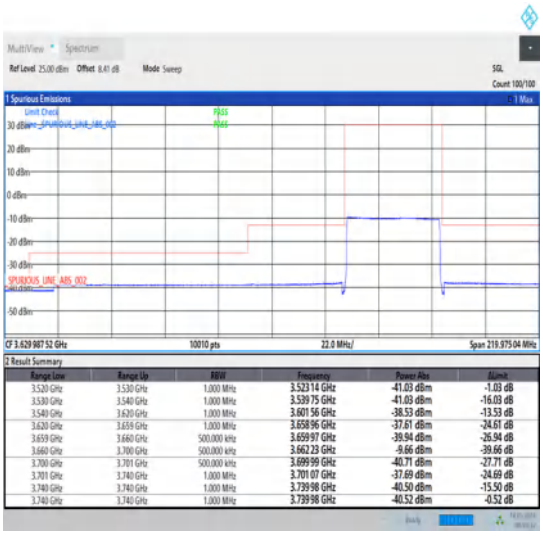
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.520 GHz	3.530 GHz	1.000 MHz	3.529 88 GHz	-40.73 dBm	-0.73 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.539 38 GHz	-40.38 dBm	-15.38 dB
3.540 GHz	3.540 GHz	1.000 MHz	3.540 00 GHz	-40.27 dBm	-15.27 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.548 99 GHz	-39.46 dBm	-26.46 dB
3.549 GHz	3.550 GHz	500.000 kHz	3.549 96 GHz	-40.39 dBm	-27.39 dB
3.550 GHz	3.590 GHz	500.000 kHz	3.587 70 GHz	-9.75 dBm	-39.75 dB
3.590 GHz	3.591 GHz	500.000 kHz	3.590 00 GHz	-40.13 dBm	-27.13 dB
3.591 GHz	3.630 GHz	1.000 MHz	3.591 21 GHz	-37.51 dBm	-24.51 dB
3.630 GHz	3.720 GHz	1.000 MHz	3.683 72 GHz	-38.41 dBm	-13.41 dB
3.720 GHz	3.730 GHz	1.000 MHz	3.724 71 GHz	-40.65 dBm	-0.65 dB

1-N48-30-40-L-3-CP-QPSK-Outer_Full-106@0-Ant1-1--PASS-see graph



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.520 GHz	3.530 GHz	1.000 MHz	3.521 53 GHz	-41.00 dBm	-1.00 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.531 69 GHz	-41.02 dBm	-16.02 dB
3.540 GHz	3.620 GHz	1.000 MHz	3.560 73 GHz	-38.48 dBm	-13.48 dB
3.620 GHz	3.659 GHz	1.000 MHz	3.652 10 GHz	-38.42 dBm	-25.42 dB
3.659 GHz	3.660 GHz	500.000 kHz	3.659 86 GHz	-43.43 dBm	-30.43 dB
3.660 GHz	3.700 GHz	500.000 kHz	3.698 92 GHz	8.39 dBm	-21.61 dB
3.700 GHz	3.701 GHz	500.000 kHz	3.699 98 GHz	-29.42 dBm	-16.42 dB
3.701 GHz	3.740 GHz	1.000 MHz	3.700 99 GHz	-37.72 dBm	-24.72 dB
3.740 GHz	3.740 GHz	1.000 MHz	3.739 98 GHz	-40.53 dBm	-15.53 dB
3.740 GHz	3.740 GHz	1.000 MHz	3.739 98 GHz	-40.58 dBm	-0.58 dB

1-N48-30-40-H-2-CP-QPSK-Edge_1RB_Right-1@105-Ant1-1--PASS-see graph



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.520 GHz	3.530 GHz	1.000 MHz	3.523 14 GHz	-41.03 dBm	-1.03 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.539 75 GHz	-41.03 dBm	-16.03 dB
3.540 GHz	3.620 GHz	1.000 MHz	3.601 56 GHz	-38.53 dBm	-13.53 dB
3.620 GHz	3.659 GHz	1.000 MHz	3.658 96 GHz	-37.61 dBm	-24.61 dB
3.659 GHz	3.660 GHz	500.000 kHz	3.659 97 GHz	-39.94 dBm	-26.94 dB
3.660 GHz	3.700 GHz	500.000 kHz	3.662 23 GHz	-9.66 dBm	-39.66 dB
3.700 GHz	3.701 GHz	500.000 kHz	3.699 99 GHz	-40.71 dBm	-27.71 dB
3.701 GHz	3.740 GHz	1.000 MHz	3.701 07 GHz	-37.69 dBm	-24.69 dB
3.740 GHz	3.740 GHz	1.000 MHz	3.739 98 GHz	-40.50 dBm	-15.50 dB
3.740 GHz	3.740 GHz	1.000 MHz	3.739 98 GHz	-40.52 dBm	-0.52 dB

1-N48-30-40-H-3-CP-QPSK-Outer_Full-106@0-Ant1-1--PASS-see graph

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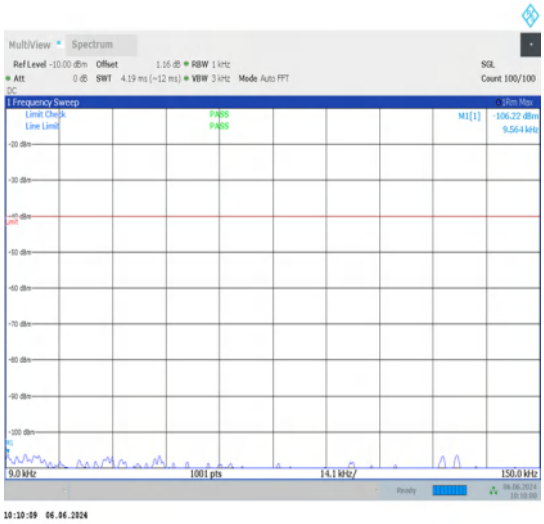
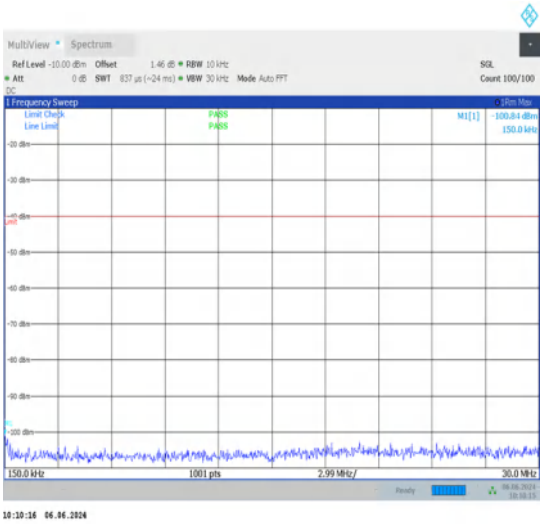
Test Graphs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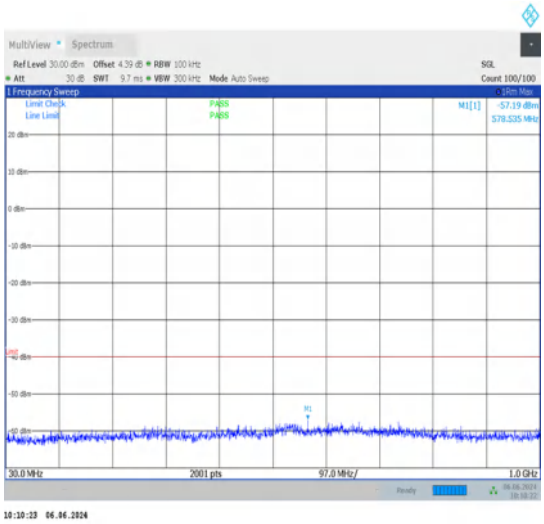	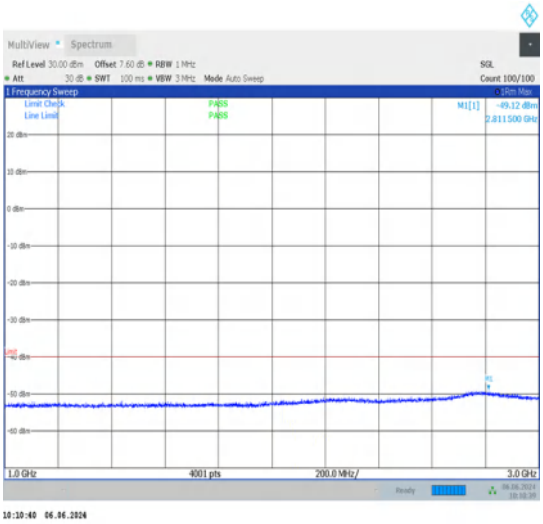
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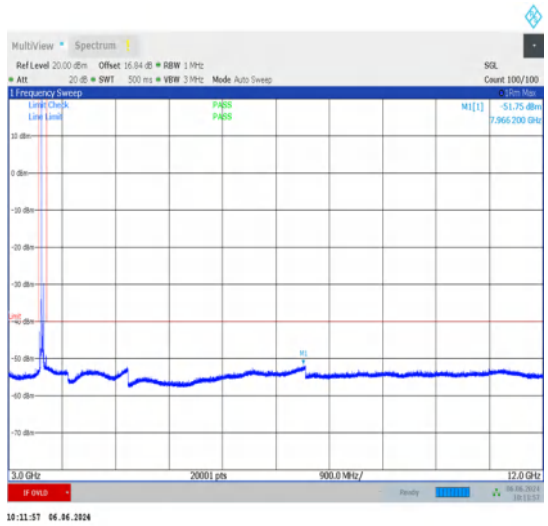

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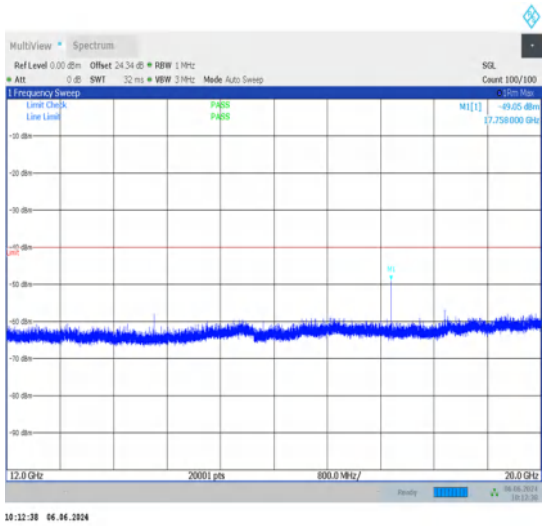

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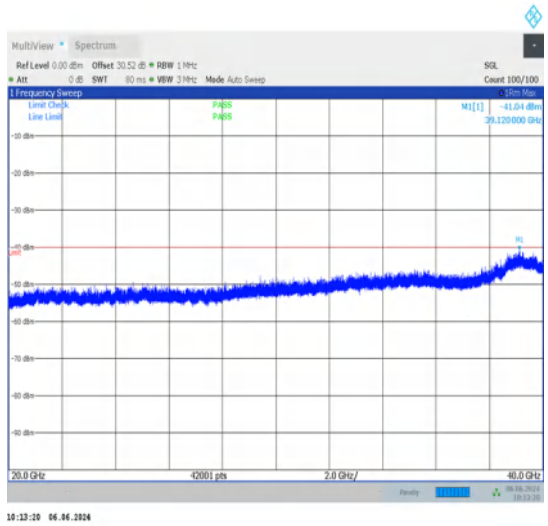

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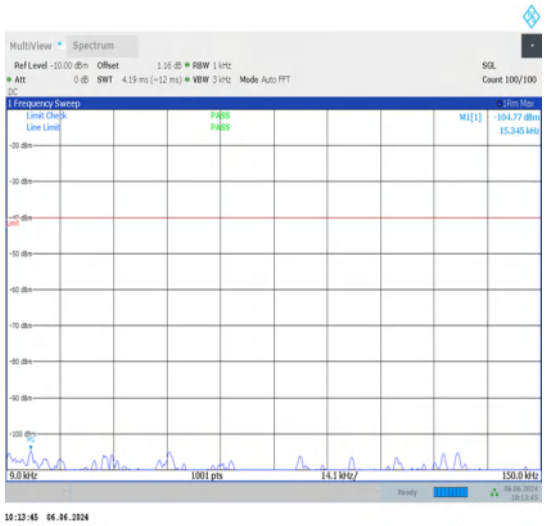

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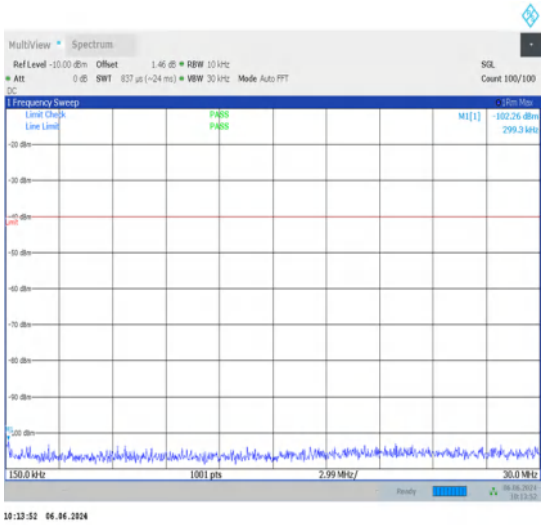

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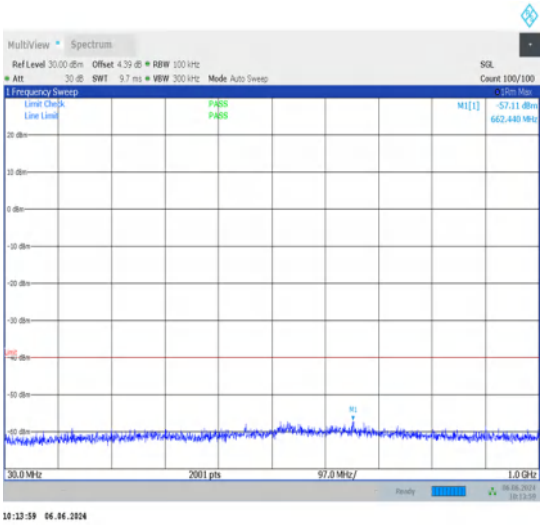

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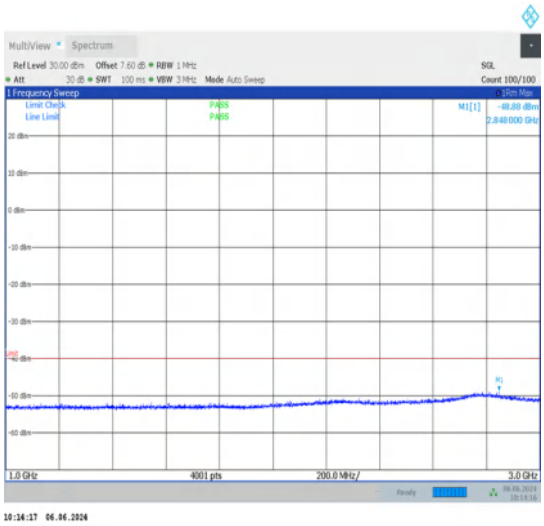

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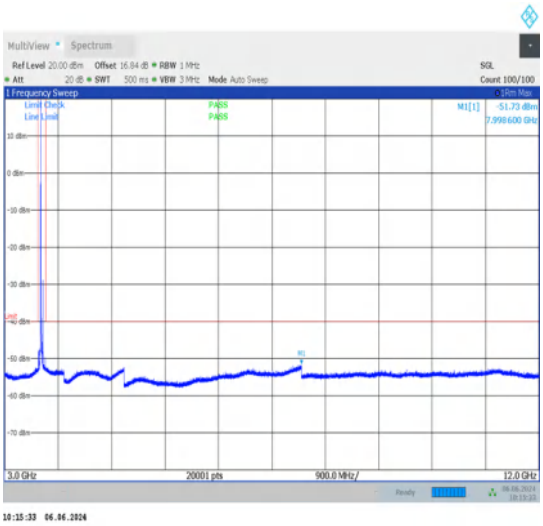

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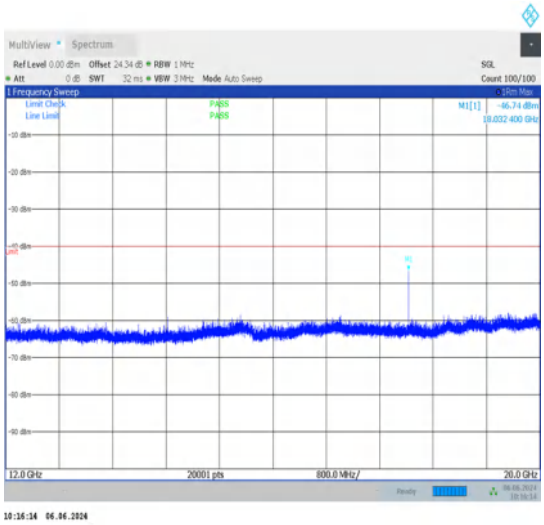

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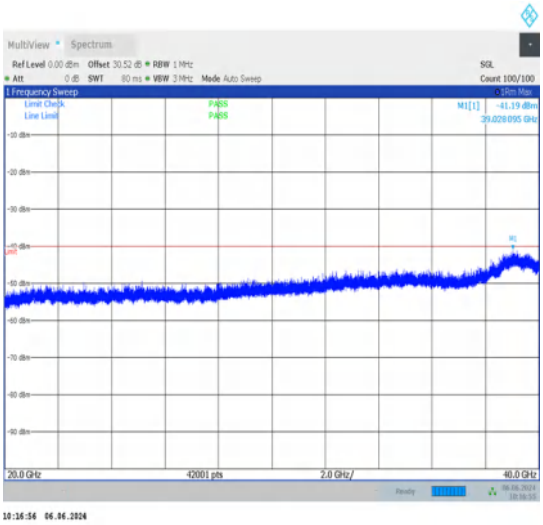

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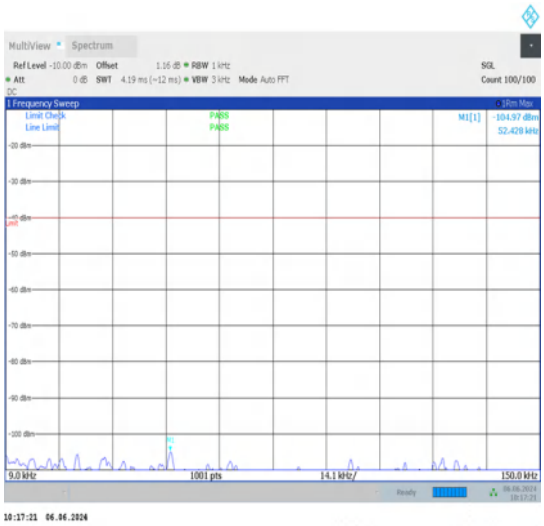

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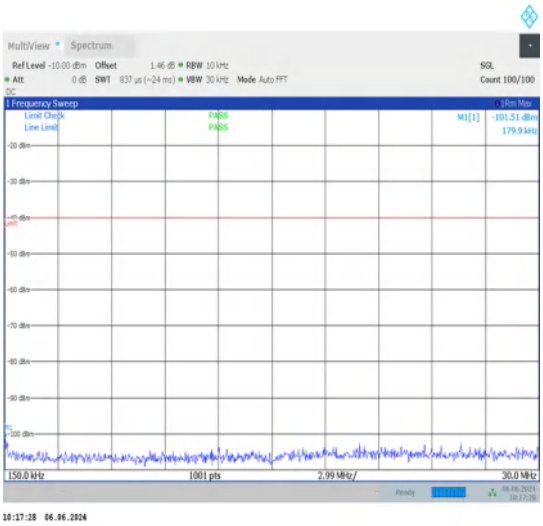

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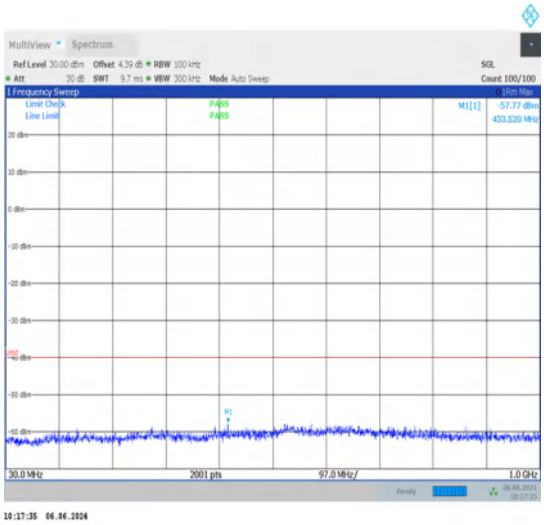

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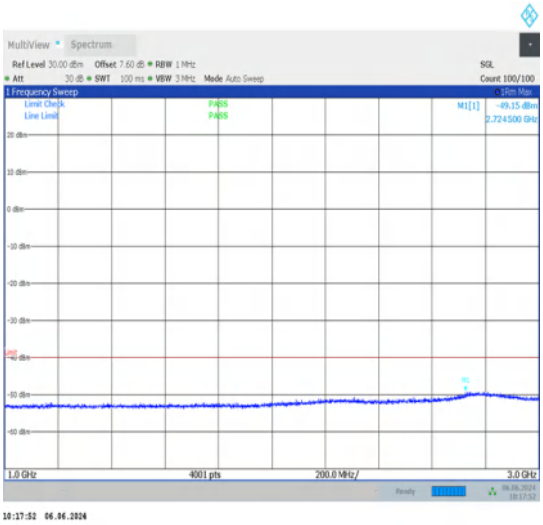

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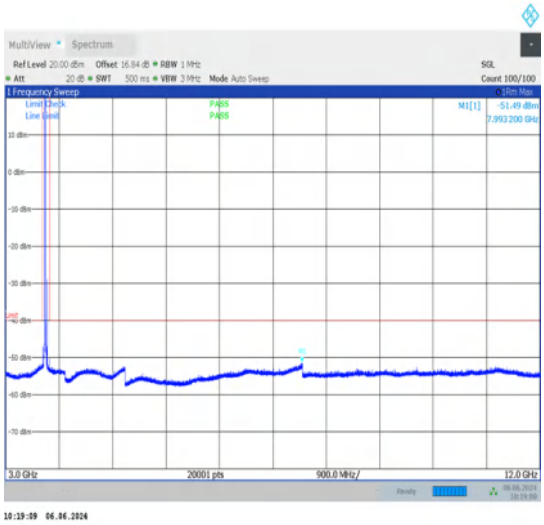

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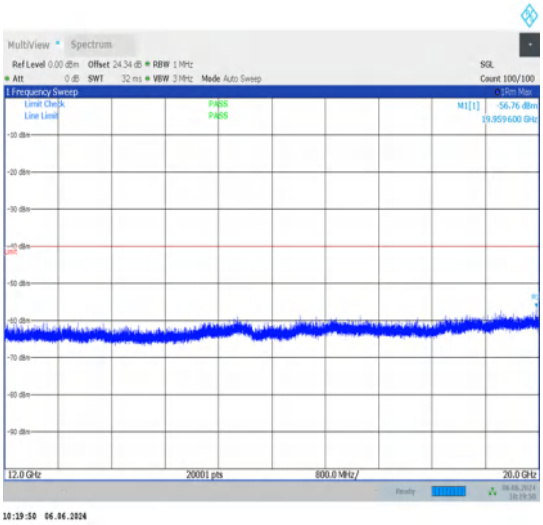

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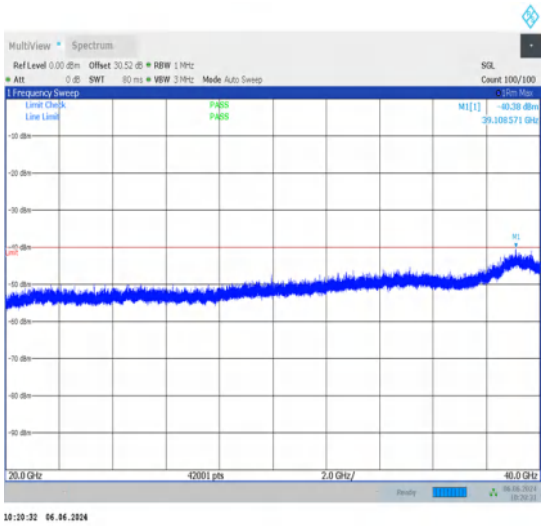	
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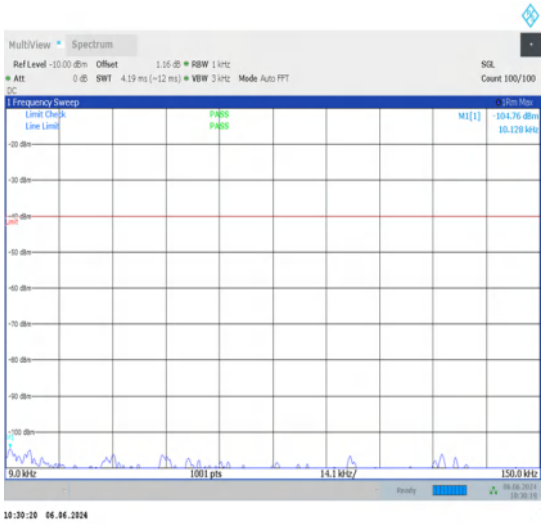
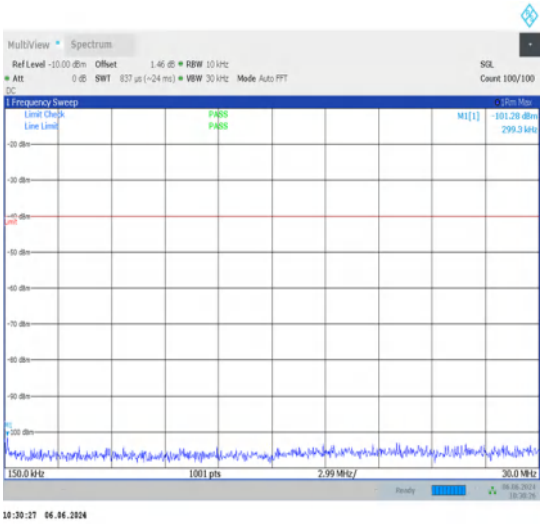
Test Graphs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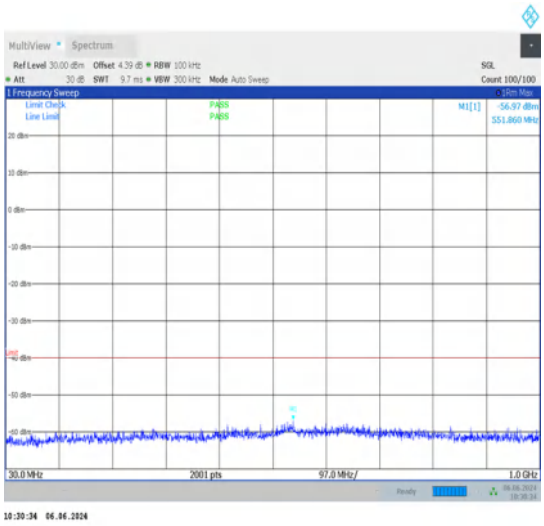	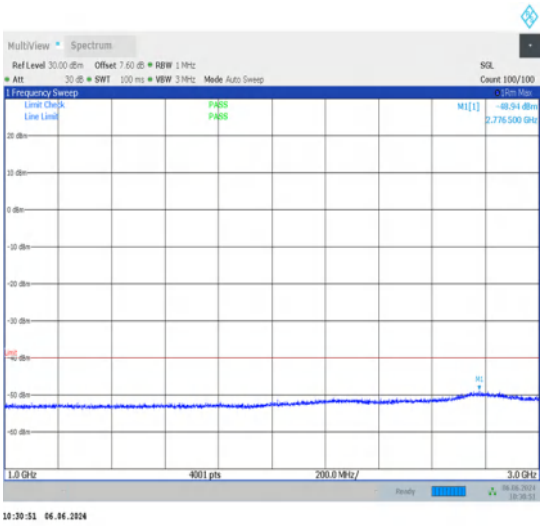
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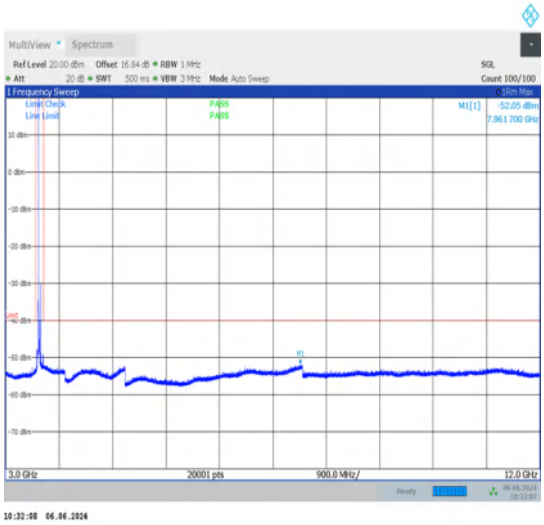

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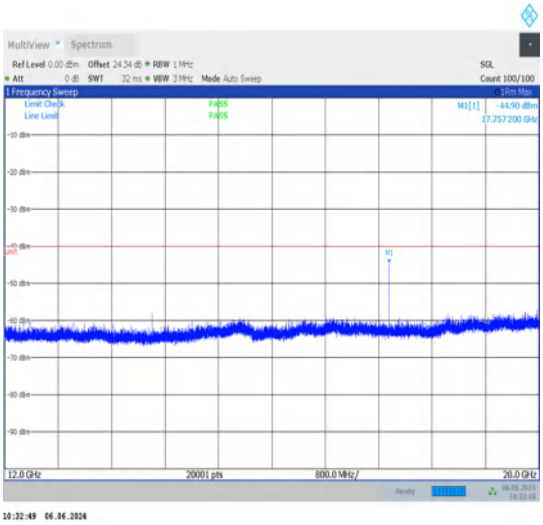

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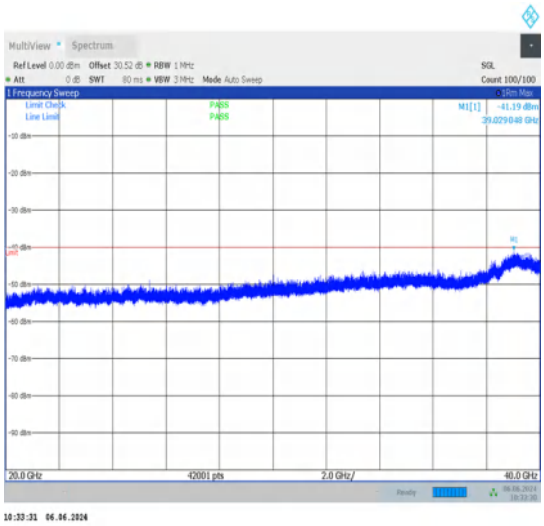

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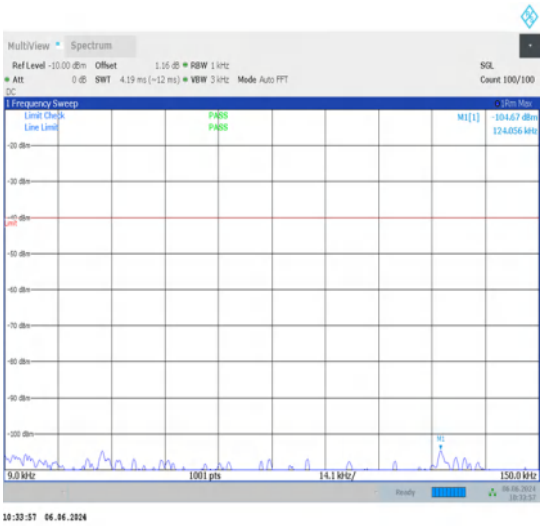

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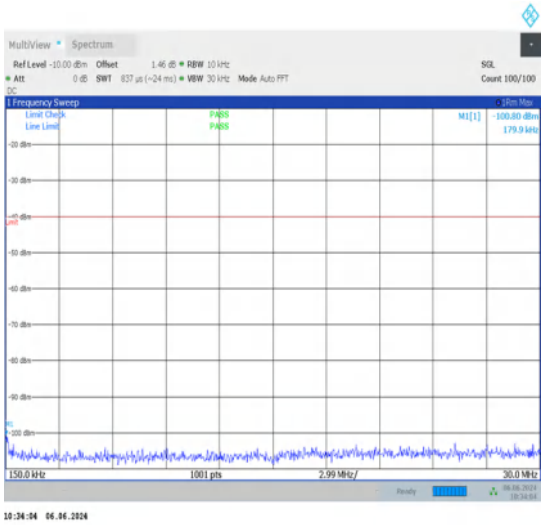

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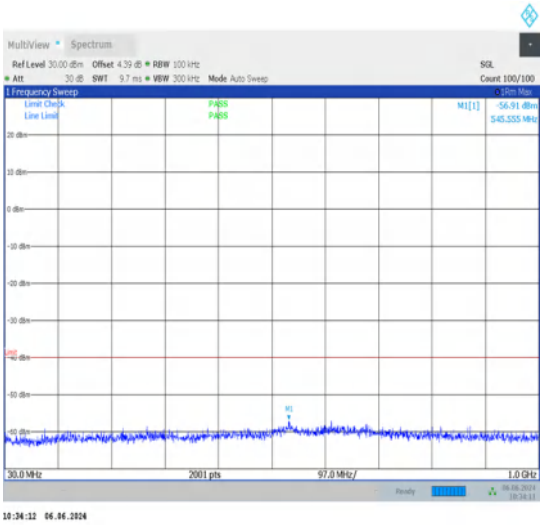

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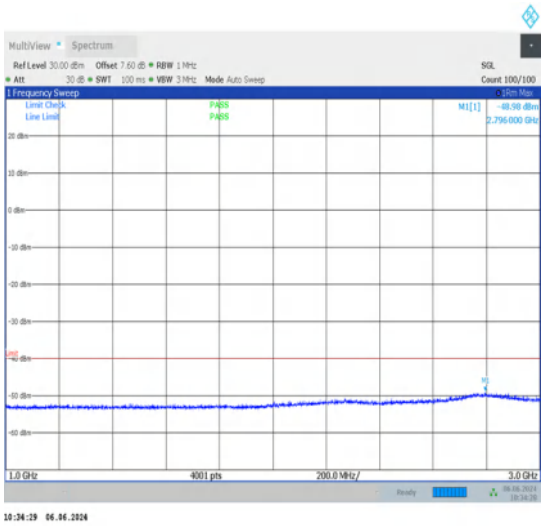

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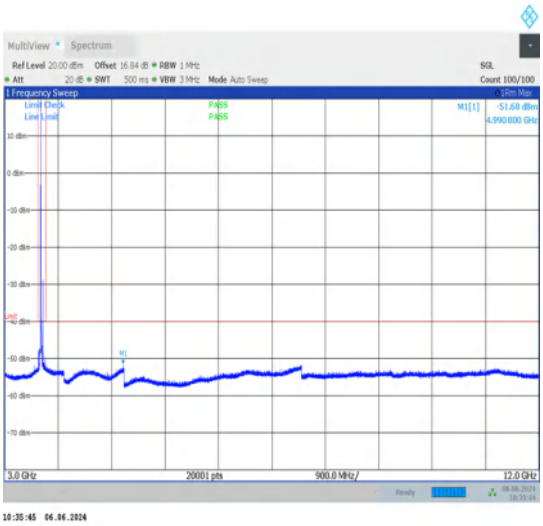

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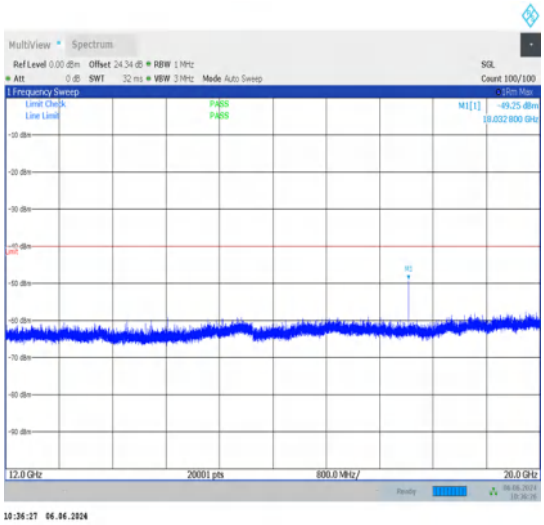

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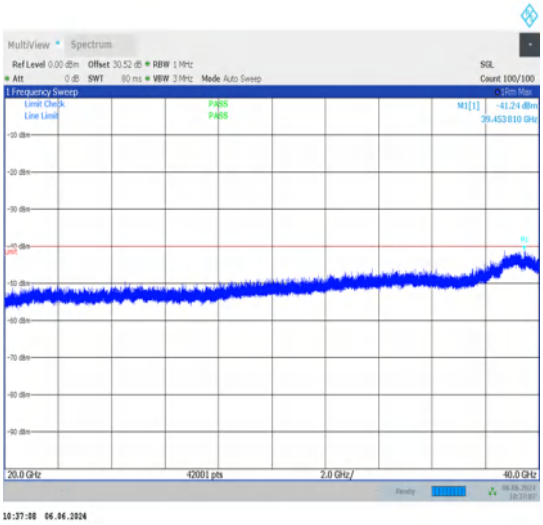

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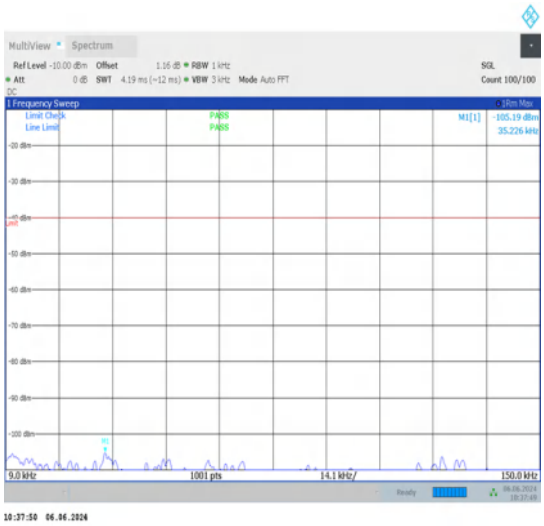

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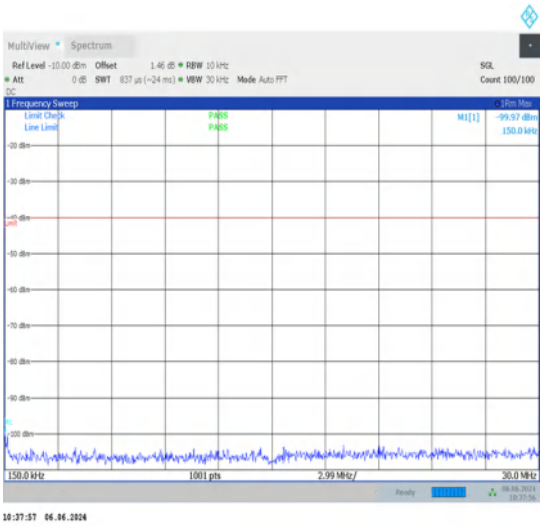

1-N48-30-40-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant1-0.18--99.97--40-PASS

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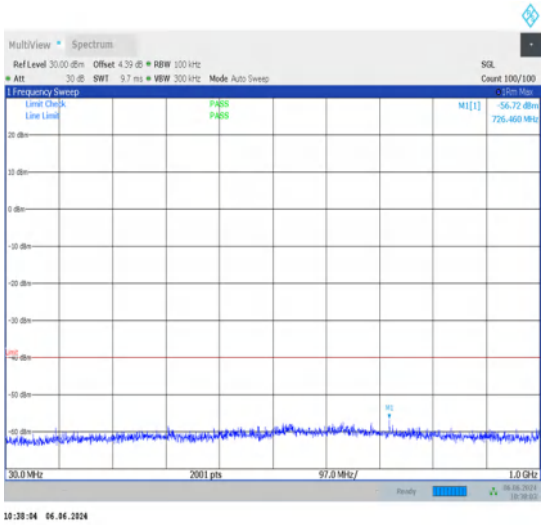

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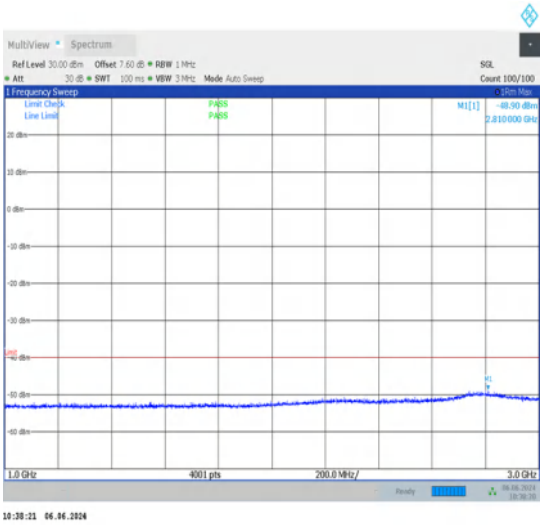

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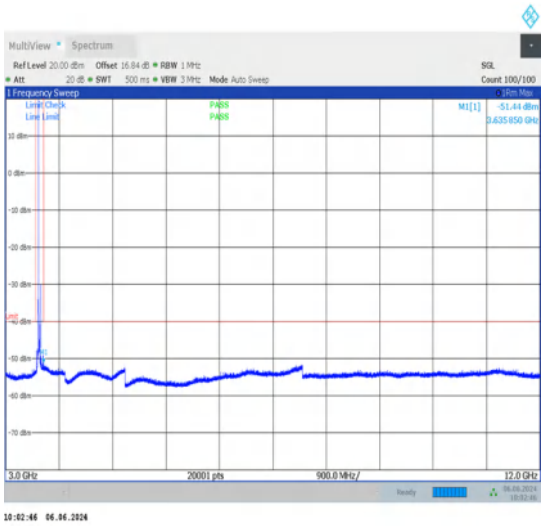
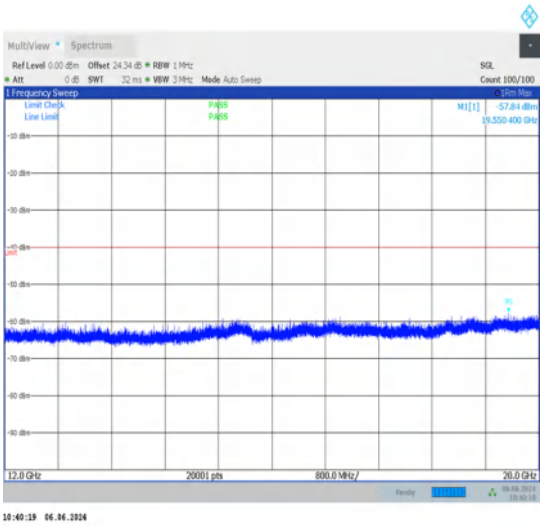


1-N48-30-40-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-3000-12000-Ant1-7993.20--51.42--40-PASS



1-N48-30-40-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-12000-20000-Ant1-19959.60--57.84--40-PASS

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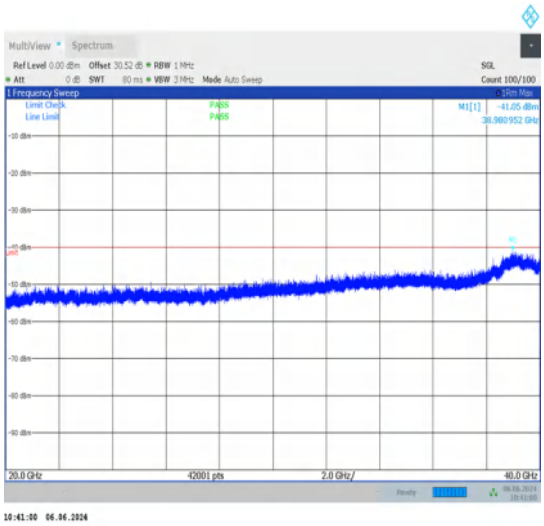	
1-N48-30-40-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-20000-40000-Ant1-39108.57--41.05--40-PASS	

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Field Strength of Spurious Radiation

Test Band = SA Band48_ TM1
Test Channel = Low FCC

Final Data List								
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7112.375	46.42	-43.65	35.51	-56.98	-40.00	16.98	Horizontal
2	8656.825	41.49	-41.15	36.47	-58.44	-40.00	18.44	Horizontal
3	10039.7	37.93	-39.11	38.22	-58.22	-40.00	18.22	Horizontal
4	10905.075	36.55	-37.80	38.65	-57.86	-40.00	17.86	Horizontal
5	12654.225	35.84	-37.00	39.00	-57.42	-40.00	17.42	Horizontal
6	13973.275	33.57	-34.99	40.85	-55.83	-40.00	15.83	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7112.375	52.64	-43.65	35.51	-50.76	-40.00	10.76	Vertical
2	8367.6	41.40	-41.53	36.62	-58.78	-40.00	18.78	Vertical
3	9419.275	40.63	-39.93	37.10	-57.46	-40.00	17.46	Vertical
4	10669.9	36.75	-37.65	38.53	-57.62	-40.00	17.62	Vertical
5	12340.275	35.65	-36.78	38.90	-57.49	-40.00	17.49	Vertical
6	13973.85	33.32	-34.99	40.85	-56.07	-40.00	16.07	Vertical

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Test Band = SA Band48_ TM1
Test Channel = Mid FCC

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7211.85	48.27	-43.58	35.79	-54.77	-40.00	14.77	Horizontal
2	9270.35	39.38	-40.03	36.81	-59.10	-40.00	19.10	Horizontal
3	10402.525	37.20	-38.72	38.40	-58.38	-40.00	18.38	Horizontal
4	11723.3	34.93	-36.35	38.77	-57.91	-40.00	17.91	Horizontal
5	13156.2	35.15	-36.59	39.38	-57.32	-40.00	17.32	Horizontal
6	14927.775	33.73	-34.93	41.27	-55.19	-40.00	15.19	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7212.425	53.26	-43.58	35.79	-49.78	-40.00	9.78	Vertical
2	8680.975	41.41	-41.25	36.46	-58.64	-40.00	18.64	Vertical
3	10164.475	37.51	-39.07	38.28	-58.54	-40.00	18.54	Vertical
4	11722.15	35.37	-36.34	38.77	-57.45	-40.00	17.45	Vertical
5	13466.125	35.61	-36.45	39.94	-56.16	-40.00	16.16	Vertical
6	14941	34.09	-34.84	41.28	-54.73	-40.00	14.73	Vertical

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Test Band = SA Band48_ TM1
Test Channel = High FCC

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7311.9	47.67	-43.27	36.07	-54.78	-40.00	14.78	Horizontal
2	8634.4	41.21	-41.04	36.48	-58.61	-40.00	18.61	Horizontal
3	10040.275	38.09	-39.11	38.22	-58.06	-40.00	18.06	Horizontal
4	11301.25	36.51	-37.23	38.73	-57.25	-40.00	17.25	Horizontal
5	12659.4	36.11	-36.98	39.00	-57.13	-40.00	17.13	Horizontal
6	14263.075	33.99	-35.66	41.01	-55.92	-40.00	15.92	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7311.9	55.04	-43.27	36.07	-47.41	-40.00	7.41	Vertical
2	8408.425	41.35	-41.41	36.60	-58.72	-40.00	18.72	Vertical
3	9264.6	39.38	-40.03	36.80	-59.10	-40.00	19.10	Vertical
4	10652.65	37.19	-37.74	38.53	-57.28	-40.00	17.28	Vertical
5	11436.95	36.37	-37.14	38.74	-57.29	-40.00	17.29	Vertical
6	13322.95	35.15	-36.80	39.68	-57.23	-40.00	17.23	Vertical

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Member of the SGS Group (SGS SA)

Test Band = n48 ULMIMO_ TM1
Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	8074.35	40.77	-41.54	37.06	-58.98	-40.00	18.98	Horizontal
2	9813.15	37.71	-39.08	38.13	-58.50	-40.00	18.50	Horizontal
3	11084.475	35.82	-37.73	38.64	-58.52	-40.00	18.52	Horizontal
4	12825	35.47	-36.68	39.35	-57.13	-40.00	17.13	Horizontal
5	13920.375	33.59	-35.41	40.69	-56.39	-40.00	16.39	Horizontal
6	15857.55	32.12	-33.68	39.80	-57.02	-40.00	17.02	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7666.675	41.75	-42.88	36.63	-59.76	-40.00	19.76	Vertical
2	9268.05	39.33	-40.03	37.04	-58.93	-40.00	18.93	Vertical
3	10661.275	37.15	-37.69	38.57	-57.24	-40.00	17.24	Vertical
4	11715.25	34.96	-36.26	38.96	-57.60	-40.00	17.60	Vertical
5	12837.65	35.30	-36.71	39.35	-57.32	-40.00	17.32	Vertical
6	14514.35	33.22	-34.39	41.21	-55.22	-40.00	15.22	Vertical

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Test Band = n48 ULMIMO_ TM1
Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7631.025	41.42	-42.81	36.58	-60.06	-40.00	20.06	Horizontal
2	8413.6	40.74	-41.43	36.85	-59.10	-40.00	19.10	Horizontal
3	9850.525	37.91	-39.13	38.20	-58.28	-40.00	18.28	Horizontal
4	11132.775	35.92	-37.37	38.67	-58.05	-40.00	18.05	Horizontal
5	12834.775	35.47	-36.71	39.35	-57.15	-40.00	17.15	Horizontal
6	14360.25	34.07	-35.39	41.09	-55.49	-40.00	15.49	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7319.375	42.43	-43.23	35.89	-60.16	-40.00	20.16	Vertical
2	8938	39.80	-40.89	36.54	-59.82	-40.00	19.82	Vertical
3	10054.075	37.62	-39.01	38.51	-58.15	-40.00	18.15	Vertical
4	11451.9	35.90	-36.99	38.83	-57.53	-40.00	17.53	Vertical
5	12828.45	35.85	-36.69	39.35	-56.75	-40.00	16.75	Vertical
6	14509.75	32.96	-34.34	41.21	-55.43	-40.00	15.43	Vertical

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Member of the SGS Group (SGS SA)

Test Band = n48 ULMIMO_ TM1
Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7006	41.78	-43.03	35.02	-61.49	-40.00	21.49	Horizontal
2	8367.025	40.56	-41.53	36.88	-59.36	-40.00	19.36	Horizontal
3	9305.425	38.86	-40.06	37.11	-59.35	-40.00	19.35	Horizontal
4	10642.875	36.71	-37.79	38.56	-57.77	-40.00	17.77	Horizontal
5	11559.425	35.23	-36.79	38.88	-57.94	-40.00	17.94	Horizontal
6	13491.425	35.25	-36.60	40.09	-56.52	-40.00	16.52	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7386.65	41.69	-42.86	36.08	-60.35	-40.00	20.35	Vertical
2	8635.55	40.98	-41.05	36.72	-58.61	-40.00	18.61	Vertical
3	10040.85	37.90	-39.10	38.50	-57.96	-40.00	17.96	Vertical
4	11419.7	36.35	-37.31	38.81	-57.41	-40.00	17.41	Vertical
5	12823.85	35.47	-36.68	39.35	-57.12	-40.00	17.12	Vertical
6	14478.125	33.37	-34.42	41.18	-55.12	-40.00	15.12	Vertical

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Member of the SGS Group (SGS SA)

Test Band = NR_CA 5A_n48A_ TM1
Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7938.65	42.24	-42.50	37.01	-58.51	-40.00	18.51	Horizontal
2	8590.7	41.07	-40.97	36.75	-58.42	-40.00	18.42	Horizontal
3	9265.175	39.50	-40.03	37.03	-58.76	-40.00	18.76	Horizontal
4	10156.425	37.80	-39.03	38.52	-57.97	-40.00	17.97	Horizontal
5	11487.55	35.87	-36.63	38.84	-57.18	-40.00	17.18	Horizontal
6	13455.775	35.31	-36.39	40.04	-56.31	-40.00	16.31	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7080.175	42.84	-43.53	35.22	-60.72	-40.00	20.72	Vertical
2	8041.575	41.67	-41.80	37.08	-58.32	-40.00	18.32	Vertical
3	8867.275	40.89	-40.99	36.58	-58.78	-40.00	18.78	Vertical
4	10910.825	36.62	-37.79	38.59	-57.84	-40.00	17.84	Vertical
5	13598.375	34.98	-36.05	40.24	-56.09	-40.00	16.09	Vertical
6	15356.15	32.80	-34.00	40.85	-55.61	-40.00	15.61	Vertical

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Member of the SGS Group (SGS SA)

Test Band = NR_CA 5A_n48A_ TM1
Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7281.425	42.20	-43.38	35.79	-60.65	-40.00	20.65	Horizontal
2	8647.05	41.84	-41.10	36.71	-57.81	-40.00	17.81	Horizontal
3	10137.45	37.36	-38.92	38.51	-58.30	-40.00	18.30	Horizontal
4	12815.8	35.84	-36.66	39.34	-56.73	-40.00	16.73	Horizontal
5	14995.625	33.25	-34.45	41.60	-54.86	-40.00	14.86	Horizontal
6	17768.275	33.05	-33.92	45.48	-50.65	-40.00	10.65	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7191.15	43.01	-43.61	35.54	-60.33	-40.00	20.33	Vertical
2	8381.4	41.34	-41.46	36.87	-58.51	-40.00	18.51	Vertical
3	9413.525	40.41	-39.93	37.33	-57.45	-40.00	17.45	Vertical
4	11167.275	36.42	-36.98	38.68	-57.13	-40.00	17.13	Vertical
5	13377	35.29	-36.29	39.93	-56.33	-40.00	16.33	Vertical
6	17002.95	33.98	-33.70	42.11	-52.87	-40.00	12.87	Vertical

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Member of the SGS Group (SGS SA)

Test Band = NR_CA 5A_n48A_ TM1
Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7757.525	41.72	-42.74	36.76	-59.52	-40.00	19.52	Horizontal
2	8653.375	41.92	-41.13	36.71	-57.76	-40.00	17.76	Horizontal
3	9412.95	40.19	-39.93	37.33	-57.67	-40.00	17.67	Horizontal
4	10679.1	36.69	-37.60	38.57	-57.60	-40.00	17.60	Horizontal
5	12394.9	36.08	-36.97	39.22	-56.93	-40.00	16.93	Horizontal
6	14441.9	33.85	-34.72	41.15	-54.98	-40.00	14.98	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7381.475	41.94	-42.89	36.07	-60.14	-40.00	20.14	Vertical
2	8410.725	41.23	-41.42	36.85	-58.59	-40.00	18.59	Vertical
3	9526.225	39.51	-39.76	37.55	-57.96	-40.00	17.96	Vertical
4	10676.225	36.81	-37.61	38.57	-57.50	-40.00	17.50	Vertical
5	12833.05	35.56	-36.70	39.35	-57.05	-40.00	17.05	Vertical
6	13793.3	34.65	-36.23	40.51	-56.33	-40.00	16.33	Vertical

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Test Band = NR_CA 25A_n48A_ TM1
Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7676.45	42.30	-42.90	36.65	-59.21	-40.00	19.21	Horizontal
2	8817.25	41.30	-41.10	36.61	-58.45	-40.00	18.45	Horizontal
3	9849.375	38.29	-39.13	38.20	-57.90	-40.00	17.90	Horizontal
4	11179.35	35.62	-36.84	38.69	-57.79	-40.00	17.79	Horizontal
5	12831.325	35.82	-36.70	39.35	-56.79	-40.00	16.79	Horizontal
6	14448.8	33.61	-34.67	41.16	-55.16	-40.00	15.16	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7871.375	42.11	-42.69	36.92	-58.92	-40.00	18.92	Vertical
2	8859.8	41.08	-41.00	36.58	-58.60	-40.00	18.60	Vertical
3	10124.8	37.52	-38.84	38.51	-58.07	-40.00	18.07	Vertical
4	11237.425	35.97	-36.84	38.72	-57.41	-40.00	17.41	Vertical
5	12815.225	35.56	-36.66	39.34	-57.01	-40.00	17.01	Vertical
6	14891.55	33.45	-35.12	41.51	-55.42	-40.00	15.42	Vertical

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Test Band = NR_CA 25A_n48A_ TM1
Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7946.7	42.19	-42.46	37.03	-58.50	-40.00	18.50	Horizontal
2	9410.075	40.43	-39.92	37.32	-57.43	-40.00	17.43	Horizontal
3	10446.8	36.87	-38.74	38.54	-58.58	-40.00	18.58	Horizontal
4	11722.725	35.22	-36.34	38.96	-57.42	-40.00	17.42	Horizontal
5	13461.525	35.69	-36.43	40.05	-55.95	-40.00	15.95	Horizontal
6	14844.4	32.90	-35.06	41.48	-55.94	-40.00	15.94	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7927.15	42.41	-42.57	37.00	-58.43	-40.00	18.43	Vertical
2	9559.575	38.86	-39.51	37.62	-58.29	-40.00	18.29	Vertical
3	10676.8	36.92	-37.61	38.57	-57.38	-40.00	17.38	Vertical
4	11766.425	35.90	-36.83	38.98	-57.20	-40.00	17.20	Vertical
5	13746.15	34.94	-36.11	40.44	-55.99	-40.00	15.99	Vertical
6	14516.075	33.47	-34.41	41.21	-54.99	-40.00	14.99	Vertical

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Test Band = NR_CA 25A_n48A_ TM1
Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7562.6	41.51	-42.90	36.49	-60.16	-40.00	20.16	Horizontal
2	8659.7	41.58	-41.16	36.70	-58.13	-40.00	18.13	Horizontal
3	9839.025	38.20	-39.11	38.18	-58.00	-40.00	18.00	Horizontal
4	11279.4	36.09	-37.10	38.74	-57.53	-40.00	17.53	Horizontal
5	12650.2	36.14	-37.01	39.30	-56.84	-40.00	16.84	Horizontal
6	14950.775	33.82	-34.77	41.56	-54.65	-40.00	14.65	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7378.6	42.07	-42.91	36.06	-60.04	-40.00	20.04	Vertical
2	8547	41.34	-41.37	36.77	-58.52	-40.00	18.52	Vertical
3	9787.275	37.92	-39.11	38.07	-58.38	-40.00	18.38	Vertical
4	11439.825	36.19	-37.11	38.82	-57.36	-40.00	17.36	Vertical
5	13597.225	34.81	-36.06	40.24	-56.27	-40.00	16.27	Vertical
6	15349.825	32.38	-33.99	40.87	-56.00	-40.00	16.00	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

2) All antennas of RSE are tested, and only the worst data is presented.

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Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N48	30	40	DFT-PI2BPSK	M	Outer_Full	VH	NT	-4.500000	-0.001241	PASS
N48	30	40	DFT-PI2BPSK	M	Outer_Full	VN	NT	3.100000	0.000855	PASS
N48	30	40	DFT-PI2BPSK	M	Outer_Full	VL	NT	8.000000	0.002207	PASS
N48	30	40	CP-QPSK	M	Outer_Full	VH	NT	-2.300000	-0.000634	PASS
N48	30	40	CP-QPSK	M	Outer_Full	VN	NT	3.000000	0.000828	PASS
N48	30	40	CP-QPSK	M	Outer_Full	VL	NT	2.700000	0.000745	PASS

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Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N48	30	40	DFT-PI2BPSK	M	Outer_Full	NV	-30	9.700000	0.001848	PASS
N48	30	40	DFT-PI2BPSK	M	Outer_Full	NV	-20	-3.400000	-0.000938	PASS
N48	30	40	DFT-PI2BPSK	M	Outer_Full	NV	-10	5.200000	0.001434	PASS
N48	30	40	DFT-PI2BPSK	M	Outer_Full	NV	0	2.900000	0.000800	PASS
N48	30	40	DFT-PI2BPSK	M	Outer_Full	NV	10	2.700000	0.000745	PASS
N48	30	40	DFT-PI2BPSK	M	Outer_Full	NV	20	1.400000	0.000386	PASS
N48	30	40	DFT-PI2BPSK	M	Outer_Full	NV	30	6.600000	0.001821	PASS
N48	30	40	DFT-PI2BPSK	M	Outer_Full	NV	40	-1.900000	-0.000524	PASS
N48	30	40	DFT-PI2BPSK	M	Outer_Full	NV	50	2.600000	0.000717	PASS
N48	30	40	CP-QPSK	M	Outer_Full	NV	-30	-0.400000	-0.000110	PASS
N48	30	40	CP-QPSK	M	Outer_Full	NV	-20	5.900000	0.001628	PASS
N48	30	40	CP-QPSK	M	Outer_Full	NV	-10	-0.700000	-0.000193	PASS
N48	30	40	CP-QPSK	M	Outer_Full	NV	0	-1.300000	-0.000359	PASS
N48	30	40	CP-QPSK	M	Outer_Full	NV	10	-2.200000	-0.000607	PASS
N48	30	40	CP-QPSK	M	Outer_Full	NV	20	-1.100000	-0.000303	PASS
N48	30	40	CP-QPSK	M	Outer_Full	NV	30	2.100000	0.000579	PASS
N48	30	40	CP-QPSK	M	Outer_Full	NV	40	2.200000	0.000607	PASS
N48	30	40	CP-QPSK	M	Outer_Full	NV	50	-4.100000	-0.001131	PASS

---End of Attachment---

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