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# Appendix B.21

## NR Band n2



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## Effective (Isotropic) Radiated Power Output Data for SA

### Test Result

#### Ant13:

Band	SCS	Band width	Modulation	Chan nel	RB Config	Power (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
N2	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	23.47	22.27	33.00	PASS
N2	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	23.44	22.24	33.00	PASS
N2	15	5	DFT-PI2BPSK	L	Outer_Full	22.99	21.79	33.00	PASS
N2	15	5	DFT-QPSK	L	Inner_1RB_Left	23.43	22.23	33.00	PASS
N2	15	5	DFT-QPSK	L	Inner_1RB_Right	23.32	22.12	33.00	PASS
N2	15	5	DFT-QPSK	L	Outer_Full	22.51	21.31	33.00	PASS
N2	15	5	DFT-16QAM	L	Inner_1RB_Left	22.40	21.20	33.00	PASS
N2	15	5	DFT-16QAM	L	Inner_1RB_Right	22.25	21.05	33.00	PASS
N2	15	5	DFT-16QAM	L	Outer_Full	21.47	20.27	33.00	PASS
N2	15	5	DFT-64QAM	L	Inner_1RB_Left	20.97	19.77	33.00	PASS
N2	15	5	DFT-64QAM	L	Inner_1RB_Right	20.72	19.52	33.00	PASS
N2	15	5	DFT-64QAM	L	Outer_Full	20.89	19.69	33.00	PASS
N2	15	5	DFT-256QAM	L	Inner_1RB_Left	18.43	17.23	33.00	PASS
N2	15	5	DFT-256QAM	L	Inner_1RB_Right	18.39	17.19	33.00	PASS
N2	15	5	DFT-256QAM	L	Outer_Full	18.91	17.71	33.00	PASS
N2	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	18.15	16.95	33.00	PASS
N2	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	23.36	22.16	33.00	PASS
N2	15	5	DFT-PI2BPSK	M	Outer_Full	22.96	21.76	33.00	PASS
N2	15	5	DFT-QPSK	M	Inner_1RB_Left	23.37	22.17	33.00	PASS
N2	15	5	DFT-QPSK	M	Inner_1RB_Right	23.33	22.13	33.00	PASS
N2	15	5	DFT-QPSK	M	Outer_Full	22.46	21.26	33.00	PASS
N2	15	5	DFT-16QAM	M	Inner_1RB_Left	22.44	21.24	33.00	PASS
N2	15	5	DFT-16QAM	M	Inner_1RB_Right	22.34	21.14	33.00	PASS
N2	15	5	DFT-16QAM	M	Outer_Full	21.45	20.25	33.00	PASS
N2	15	5	DFT-64QAM	M	Inner_1RB_Left	21.25	20.05	33.00	PASS
N2	15	5	DFT-64QAM	M	Inner_1RB_Right	21.03	19.83	33.00	PASS
N2	15	5	DFT-64QAM	M	Outer_Full	21.02	19.82	33.00	PASS
N2	15	5	DFT-256QAM	M	Inner_1RB_Left	18.46	17.26	33.00	PASS
N2	15	5	DFT-256QAM	M	Inner_1RB_Right	18.39	17.19	33.00	PASS
N2	15	5	DFT-256QAM	M	Outer_Full	18.86	17.66	33.00	PASS



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N2	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	23.36	22.16	33.00	PASS
N2	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	23.27	22.07	33.00	PASS
N2	15	5	DFT-PI2BPSK	H	Outer_Full	22.83	21.63	33.00	PASS
N2	15	5	DFT-QPSK	H	Inner_1RB_Left	23.32	22.12	33.00	PASS
N2	15	5	DFT-QPSK	H	Inner_1RB_Right	18.00	16.80	33.00	PASS
N2	15	5	DFT-QPSK	H	Outer_Full	22.31	21.11	33.00	PASS
N2	15	5	DFT-16QAM	H	Inner_1RB_Left	22.36	21.16	33.00	PASS
N2	15	5	DFT-16QAM	H	Inner_1RB_Right	22.21	21.01	33.00	PASS
N2	15	5	DFT-16QAM	H	Outer_Full	21.58	22.27	33.00	PASS
N2	15	5	DFT-64QAM	H	Inner_1RB_Left	21.03	22.24	33.00	PASS
N2	15	5	DFT-64QAM	H	Inner_1RB_Right	20.97	21.79	33.00	PASS
N2	15	5	DFT-64QAM	H	Outer_Full	20.83	22.23	33.00	PASS
N2	15	5	DFT-256QAM	H	Inner_1RB_Left	18.33	22.12	33.00	PASS
N2	15	5	DFT-256QAM	H	Inner_1RB_Right	18.26	21.31	33.00	PASS
N2	15	5	DFT-256QAM	H	Outer_Full	18.75	21.20	33.00	PASS
N2	15	10	DFT-PI2BPSK	L	Inner_1RB_Left	23.34	21.05	33.00	PASS
N2	15	10	DFT-PI2BPSK	L	Inner_1RB_Right	23.38	20.27	33.00	PASS
N2	15	10	DFT-PI2BPSK	L	Outer_Full	22.94	19.77	33.00	PASS
N2	15	10	DFT-QPSK	L	Inner_1RB_Left	17.98	19.52	33.00	PASS
N2	15	10	DFT-QPSK	L	Inner_1RB_Right	23.31	19.69	33.00	PASS
N2	15	10	DFT-QPSK	L	Outer_Full	22.41	17.23	33.00	PASS
N2	15	10	DFT-16QAM	L	Inner_1RB_Left	22.44	17.19	33.00	PASS
N2	15	10	DFT-16QAM	L	Inner_1RB_Right	22.29	17.71	33.00	PASS
N2	15	10	DFT-16QAM	L	Outer_Full	21.50	16.95	33.00	PASS
N2	15	10	DFT-64QAM	L	Inner_1RB_Left	21.16	22.16	33.00	PASS
N2	15	10	DFT-64QAM	L	Inner_1RB_Right	21.04	21.76	33.00	PASS
N2	15	10	DFT-64QAM	L	Outer_Full	21.33	22.17	33.00	PASS
N2	15	10	DFT-256QAM	L	Inner_1RB_Left	18.40	22.13	33.00	PASS
N2	15	10	DFT-256QAM	L	Inner_1RB_Right	18.36	21.26	33.00	PASS
N2	15	10	DFT-256QAM	L	Outer_Full	18.92	21.24	33.00	PASS
N2	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	23.47	21.14	33.00	PASS
N2	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	23.40	20.25	33.00	PASS
N2	15	10	DFT-PI2BPSK	M	Outer_Full	22.95	20.05	33.00	PASS
N2	15	10	DFT-QPSK	M	Inner_1RB_Left	18.08	19.83	33.00	PASS
N2	15	10	DFT-QPSK	M	Inner_1RB_Right	23.38	19.82	33.00	PASS
N2	15	10	DFT-QPSK	M	Outer_Full	22.55	17.26	33.00	PASS
N2	15	10	DFT-16QAM	M	Inner_1RB_Left	22.38	17.19	33.00	PASS



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N2	15	10	DFT-16QAM	M	Inner_1RB_Right	22.38	17.66	33.00	PASS
N2	15	10	DFT-16QAM	M	Outer_Full	21.53	22.16	33.00	PASS
N2	15	10	DFT-64QAM	M	Inner_1RB_Left	21.06	22.07	33.00	PASS
N2	15	10	DFT-64QAM	M	Inner_1RB_Right	21.12	21.63	33.00	PASS
N2	15	10	DFT-64QAM	M	Outer_Full	21.03	22.12	33.00	PASS
N2	15	10	DFT-256QAM	M	Inner_1RB_Left	18.49	16.80	33.00	PASS
N2	15	10	DFT-256QAM	M	Inner_1RB_Right	18.41	21.11	33.00	PASS
N2	15	10	DFT-256QAM	M	Outer_Full	18.89	21.16	33.00	PASS
N2	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	23.32	21.01	33.00	PASS
N2	15	10	DFT-PI2BPSK	H	Inner_1RB_Right	23.24	22.27	33.00	PASS
N2	15	10	DFT-PI2BPSK	H	Outer_Full	22.89	22.24	33.00	PASS
N2	15	10	DFT-QPSK	H	Inner_1RB_Left	23.31	21.79	33.00	PASS
N2	15	10	DFT-QPSK	H	Inner_1RB_Right	23.24	22.23	33.00	PASS
N2	15	10	DFT-QPSK	H	Outer_Full	22.39	22.12	33.00	PASS
N2	15	10	DFT-16QAM	H	Inner_1RB_Left	22.27	21.31	33.00	PASS
N2	15	10	DFT-16QAM	H	Inner_1RB_Right	22.30	21.20	33.00	PASS
N2	15	10	DFT-16QAM	H	Outer_Full	21.44	21.05	33.00	PASS
N2	15	10	DFT-64QAM	H	Inner_1RB_Left	21.08	20.27	33.00	PASS
N2	15	10	DFT-64QAM	H	Inner_1RB_Right	21.04	19.77	33.00	PASS
N2	15	10	DFT-64QAM	H	Outer_Full	20.94	19.52	33.00	PASS
N2	15	10	DFT-256QAM	H	Inner_1RB_Left	18.37	19.69	33.00	PASS
N2	15	10	DFT-256QAM	H	Inner_1RB_Right	18.24	17.23	33.00	PASS
N2	15	10	DFT-256QAM	H	Outer_Full	18.87	17.19	33.00	PASS
N2	15	15	DFT-PI2BPSK	L	Inner_1RB_Left	23.43	17.71	33.00	PASS
N2	15	15	DFT-PI2BPSK	L	Inner_1RB_Right	23.49	16.95	33.00	PASS
N2	15	15	DFT-PI2BPSK	L	Outer_Full	22.93	22.16	33.00	PASS
N2	15	15	DFT-QPSK	L	Inner_1RB_Left	23.40	21.76	33.00	PASS
N2	15	15	DFT-QPSK	L	Inner_1RB_Right	23.39	22.17	33.00	PASS
N2	15	15	DFT-QPSK	L	Outer_Full	22.47	22.13	33.00	PASS
N2	15	15	DFT-16QAM	L	Inner_1RB_Left	22.30	21.26	33.00	PASS
N2	15	15	DFT-16QAM	L	Inner_1RB_Right	22.41	21.24	33.00	PASS
N2	15	15	DFT-16QAM	L	Outer_Full	21.46	21.14	33.00	PASS
N2	15	15	DFT-64QAM	L	Inner_1RB_Left	20.96	20.25	33.00	PASS
N2	15	15	DFT-64QAM	L	Inner_1RB_Right	21.05	20.05	33.00	PASS
N2	15	15	DFT-64QAM	L	Outer_Full	20.63	19.83	33.00	PASS
N2	15	15	DFT-256QAM	L	Inner_1RB_Left	18.36	19.82	33.00	PASS
N2	15	15	DFT-256QAM	L	Inner_1RB_Right	18.39	17.26	33.00	PASS



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N2	15	15	DFT-256QAM	L	Outer_Full	18.80	17.19	33.00	PASS
N2	15	15	DFT-PI2BPSK	M	Inner_1RB_Left	23.31	17.66	33.00	PASS
N2	15	15	DFT-PI2BPSK	M	Inner_1RB_Right	23.27	22.16	33.00	PASS
N2	15	15	DFT-PI2BPSK	M	Outer_Full	22.90	22.07	33.00	PASS
N2	15	15	DFT-QPSK	M	Inner_1RB_Left	17.97	21.63	33.00	PASS
N2	15	15	DFT-QPSK	M	Inner_1RB_Right	23.22	22.12	33.00	PASS
N2	15	15	DFT-QPSK	M	Outer_Full	22.33	16.80	33.00	PASS
N2	15	15	DFT-16QAM	M	Inner_1RB_Left	22.30	21.11	33.00	PASS
N2	15	15	DFT-16QAM	M	Inner_1RB_Right	22.27	21.16	33.00	PASS
N2	15	15	DFT-16QAM	M	Outer_Full	21.46	21.01	33.00	PASS
N2	15	15	DFT-64QAM	M	Inner_1RB_Left	20.84	22.27	33.00	PASS
N2	15	15	DFT-64QAM	M	Inner_1RB_Right	20.91	22.24	33.00	PASS
N2	15	15	DFT-64QAM	M	Outer_Full	20.94	21.79	33.00	PASS
N2	15	15	DFT-256QAM	M	Inner_1RB_Left	18.34	22.23	33.00	PASS
N2	15	15	DFT-256QAM	M	Inner_1RB_Right	18.33	22.12	33.00	PASS
N2	15	15	DFT-256QAM	M	Outer_Full	18.87	21.31	33.00	PASS
N2	15	15	DFT-PI2BPSK	H	Inner_1RB_Left	23.15	21.20	33.00	PASS
N2	15	15	DFT-PI2BPSK	H	Inner_1RB_Right	23.19	21.05	33.00	PASS
N2	15	15	DFT-PI2BPSK	H	Outer_Full	22.83	20.27	33.00	PASS
N2	15	15	DFT-QPSK	H	Inner_1RB_Left	23.13	19.77	33.00	PASS
N2	15	15	DFT-QPSK	H	Inner_1RB_Right	23.11	19.52	33.00	PASS
N2	15	15	DFT-QPSK	H	Outer_Full	17.91	19.69	33.00	PASS
N2	15	15	DFT-16QAM	H	Inner_1RB_Left	22.29	17.23	33.00	PASS
N2	15	15	DFT-16QAM	H	Inner_1RB_Right	21.87	17.19	33.00	PASS
N2	15	15	DFT-16QAM	H	Outer_Full	21.29	17.71	33.00	PASS
N2	15	15	DFT-64QAM	H	Inner_1RB_Left	20.81	16.95	33.00	PASS
N2	15	15	DFT-64QAM	H	Inner_1RB_Right	20.93	22.16	33.00	PASS
N2	15	15	DFT-64QAM	H	Outer_Full	20.76	21.76	33.00	PASS
N2	15	15	DFT-256QAM	H	Inner_1RB_Left	18.26	22.17	33.00	PASS
N2	15	15	DFT-256QAM	H	Inner_1RB_Right	18.19	22.13	33.00	PASS
N2	15	15	DFT-256QAM	H	Outer_Full	18.82	21.26	33.00	PASS
N2	15	20	DFT-PI2BPSK	L	Inner_1RB_Left	23.34	21.24	33.00	PASS
N2	15	20	DFT-PI2BPSK	L	Inner_1RB_Right	23.48	21.14	33.00	PASS
N2	15	20	DFT-PI2BPSK	L	Outer_Full	23.01	20.25	33.00	PASS
N2	15	20	DFT-QPSK	L	Inner_1RB_Left	23.30	20.05	33.00	PASS
N2	15	20	DFT-QPSK	L	Inner_1RB_Right	23.41	19.83	33.00	PASS
N2	15	20	DFT-QPSK	L	Outer_Full	22.49	19.82	33.00	PASS



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N2	15	20	DFT-16QAM	L	Inner_1RB_Left	22.21	17.26	33.00	PASS
N2	15	20	DFT-16QAM	L	Inner_1RB_Right	22.47	17.19	33.00	PASS
N2	15	20	DFT-16QAM	L	Outer_Full	21.52	17.66	33.00	PASS
N2	15	20	DFT-64QAM	L	Inner_1RB_Left	20.97	22.16	33.00	PASS
N2	15	20	DFT-64QAM	L	Inner_1RB_Right	21.21	22.07	33.00	PASS
N2	15	20	DFT-64QAM	L	Outer_Full	21.04	21.63	33.00	PASS
N2	15	20	DFT-256QAM	L	Inner_1RB_Left	18.34	22.12	33.00	PASS
N2	15	20	DFT-256QAM	L	Inner_1RB_Right	18.46	16.80	33.00	PASS
N2	15	20	DFT-256QAM	L	Outer_Full	19.28	21.11	33.00	PASS
N2	15	20	DFT-PI2BPSK	M	Inner_1RB_Left	23.39	21.16	33.00	PASS
N2	15	20	DFT-PI2BPSK	M	Inner_1RB_Right	23.23	21.01	33.00	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	22.92	22.27	33.00	PASS
N2	15	20	DFT-QPSK	M	Inner_1RB_Left	23.28	22.24	33.00	PASS
N2	15	20	DFT-QPSK	M	Inner_1RB_Right	23.19	21.79	33.00	PASS
N2	15	20	DFT-QPSK	M	Outer_Full	22.39	22.23	33.00	PASS
N2	15	20	DFT-16QAM	M	Inner_1RB_Left	22.36	22.12	33.00	PASS
N2	15	20	DFT-16QAM	M	Inner_1RB_Right	17.71	21.31	33.00	PASS
N2	15	20	DFT-16QAM	M	Outer_Full	21.43	21.20	33.00	PASS
N2	15	20	DFT-64QAM	M	Inner_1RB_Left	21.11	21.05	33.00	PASS
N2	15	20	DFT-64QAM	M	Inner_1RB_Right	21.01	20.27	33.00	PASS
N2	15	20	DFT-64QAM	M	Outer_Full	20.97	19.77	33.00	PASS
N2	15	20	DFT-256QAM	M	Inner_1RB_Left	18.42	19.52	33.00	PASS
N2	15	20	DFT-256QAM	M	Inner_1RB_Right	18.28	19.69	33.00	PASS
N2	15	20	DFT-256QAM	M	Outer_Full	18.90	17.23	33.00	PASS
N2	15	20	DFT-PI2BPSK	H	Inner_1RB_Left	23.23	17.19	33.00	PASS
N2	15	20	DFT-PI2BPSK	H	Inner_1RB_Right	23.18	17.71	33.00	PASS
N2	15	20	DFT-PI2BPSK	H	Outer_Full	22.87	16.95	33.00	PASS
N2	15	20	DFT-QPSK	H	Inner_1RB_Left	18.05	22.16	33.00	PASS
N2	15	20	DFT-QPSK	H	Inner_1RB_Right	23.10	21.76	33.00	PASS
N2	15	20	DFT-QPSK	H	Outer_Full	22.28	22.17	33.00	PASS
N2	15	20	DFT-16QAM	H	Inner_1RB_Left	22.20	22.13	33.00	PASS
N2	15	20	DFT-16QAM	H	Inner_1RB_Right	22.16	21.26	33.00	PASS
N2	15	20	DFT-16QAM	H	Outer_Full	21.34	21.24	33.00	PASS
N2	15	20	DFT-64QAM	H	Inner_1RB_Left	21.00	21.14	33.00	PASS
N2	15	20	DFT-64QAM	H	Inner_1RB_Right	20.87	20.25	33.00	PASS
N2	15	20	DFT-64QAM	H	Outer_Full	20.84	20.05	33.00	PASS
N2	15	20	DFT-256QAM	H	Inner_1RB_Left	18.34	19.83	33.00	PASS



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N2	15	20	DFT-256QAM	H	Inner_1RB_Right	18.19	19.82	33.00	PASS
N2	15	20	DFT-256QAM	H	Outer_Full	18.47	17.26	33.00	PASS



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## Peak-to-Average Ratio for SA

### Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	DutyCycle	Factor	Result	Limit	Verdict
N2	15	20	DFT-256QAM	L	Outer_Full	100%	0.00	8.43	≤13	PASS
N2	15	20	CP-256QAM	L	Outer_Full	100%	0.00	9.58	≤13	PASS
N2	15	20	DFT-256QAM	M	Outer_Full	100%	0.00	8.52	≤13	PASS
N2	15	20	CP-256QAM	M	Outer_Full	100%	0.00	9.28	≤13	PASS
N2	15	20	DFT-256QAM	H	Outer_Full	100%	0.00	8.57	≤13	PASS
N2	15	20	CP-256QAM	H	Outer_Full	100%	0.00	9.14	≤13	PASS



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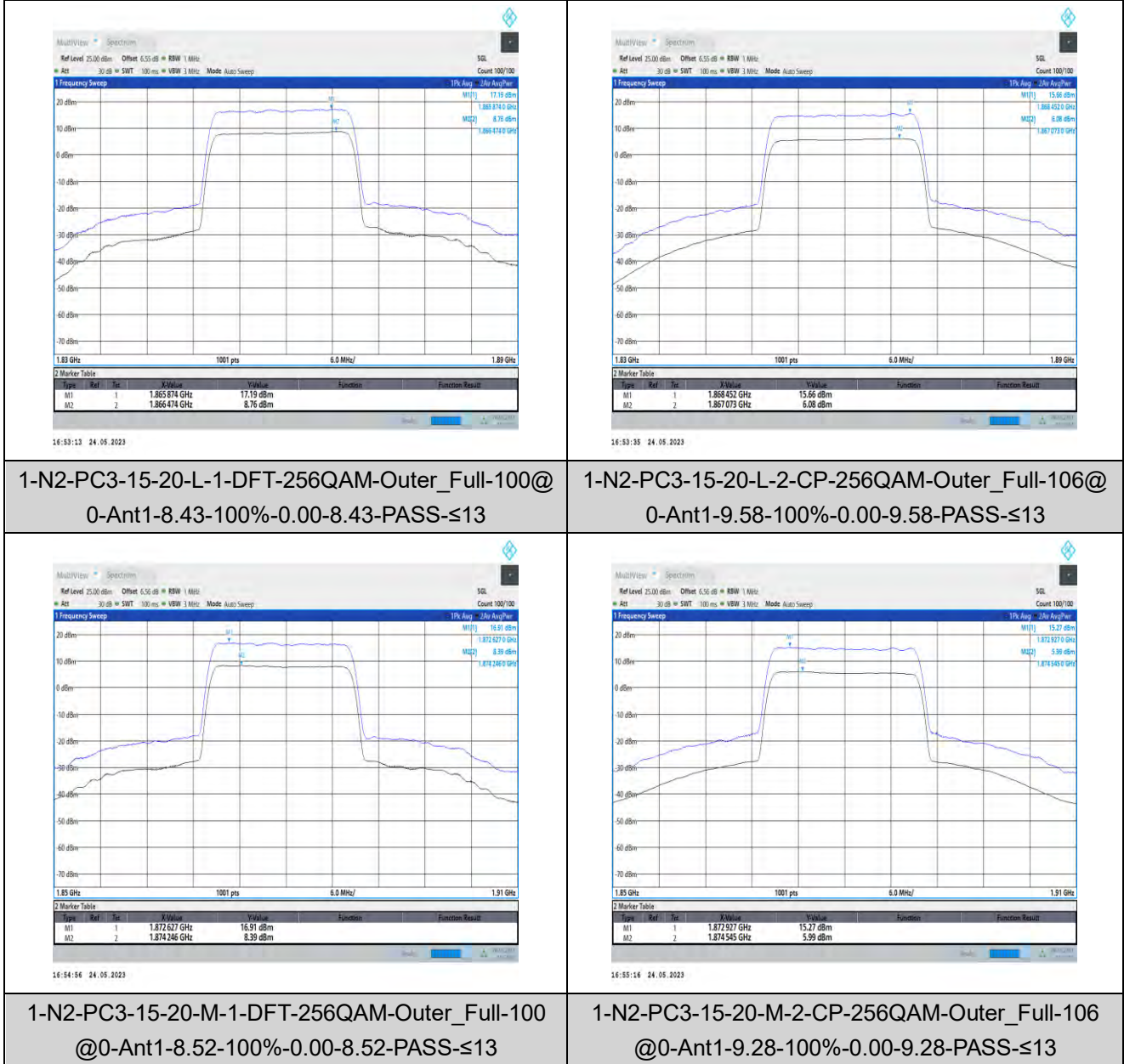
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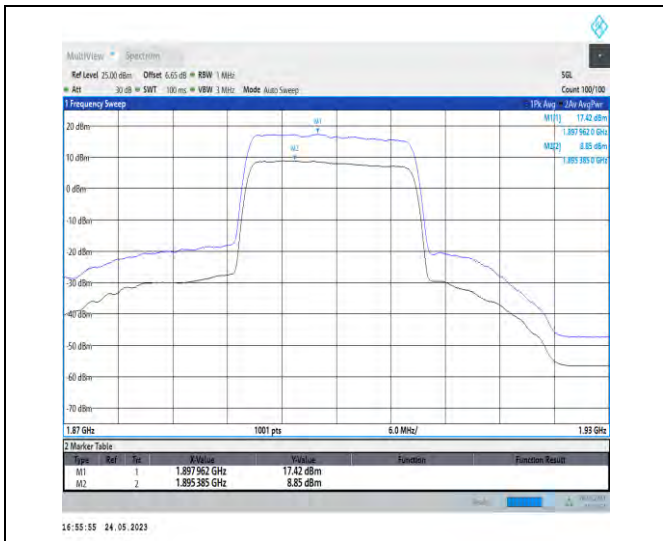
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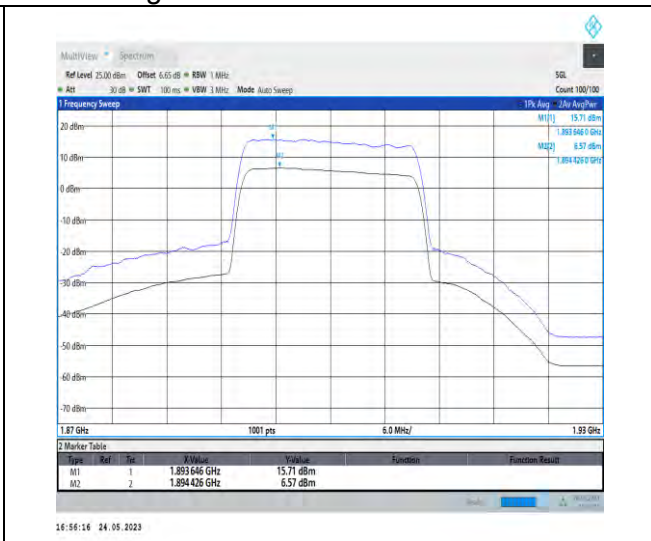


Test Graphs





1-N2-PC3-15-20-H-1-DFT-256QAM-Outer\_Full-100 @0-Ant1-8.57-100%-0.00-8.57-PASS-≤13



1-N2-PC3-15-20-H-2-CP-256QAM-Outer\_Full-106@ 0-Ant1-9.14-100%-0.00-9.14-PASS-≤13



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## Modulation characteristics for SA

### Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N2	15	20	DFT-PI2BPSK	M	Outer_Full	see graph	PASS
N2	15	20	DFT-QPSK	M	Outer_Full	see graph	PASS
N2	15	20	DFT-16QAM	M	Outer_Full	see graph	PASS
N2	15	20	DFT-64QAM	M	Outer_Full	see graph	PASS
N2	15	20	DFT-256QAM	M	Outer_Full	see graph	PASS
N2	15	20	CP-QPSK	M	Outer_Full	see graph	PASS
N2	15	20	CP-16QAM	M	Outer_Full	see graph	PASS
N2	15	20	CP-64QAM	M	Outer_Full	see graph	PASS
N2	15	20	CP-256QAM	M	Outer_Full	see graph	PASS



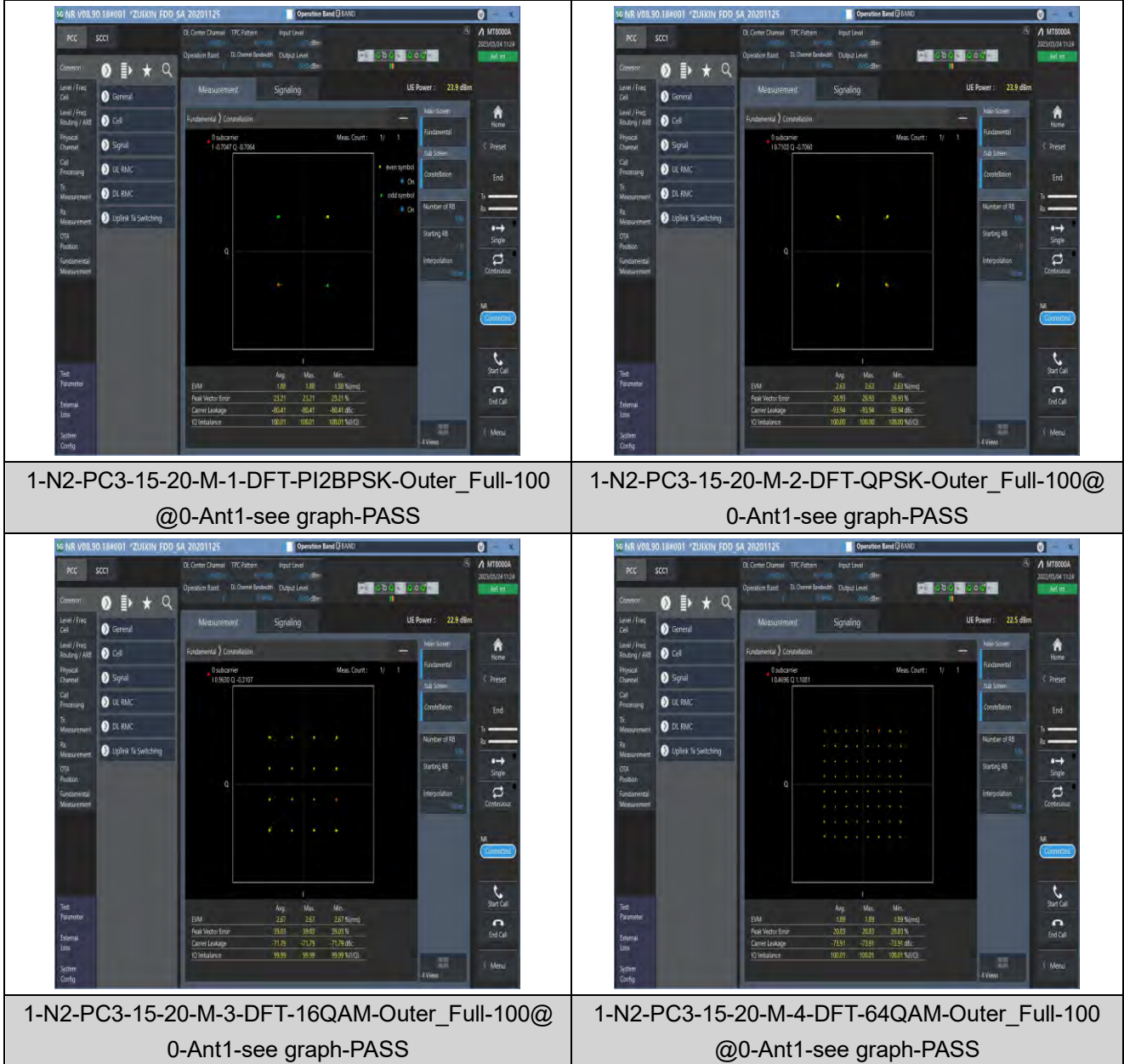
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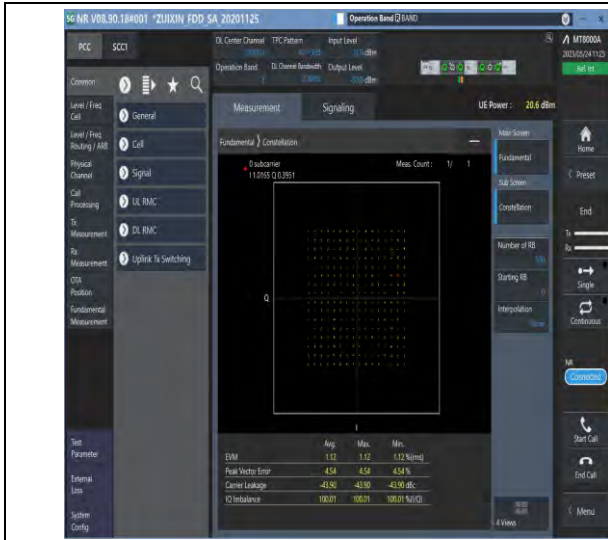
### Test Graphs



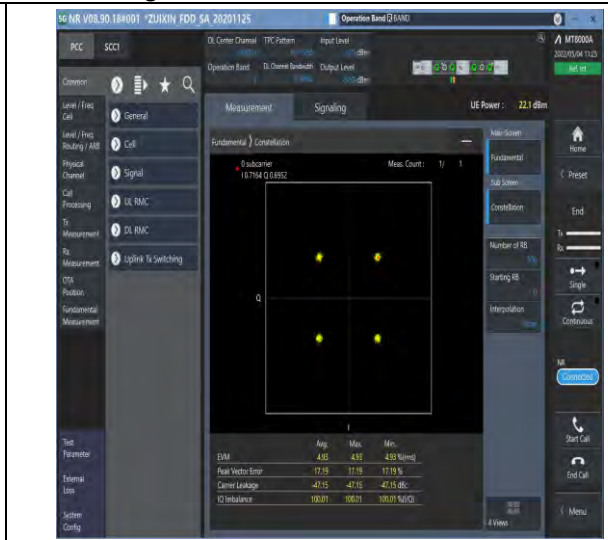
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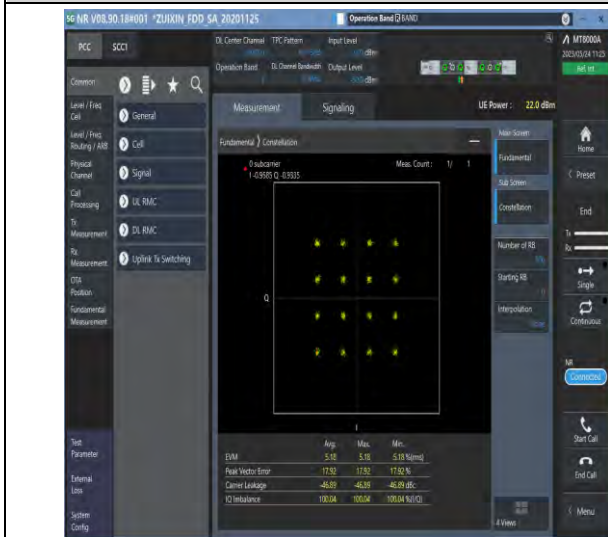
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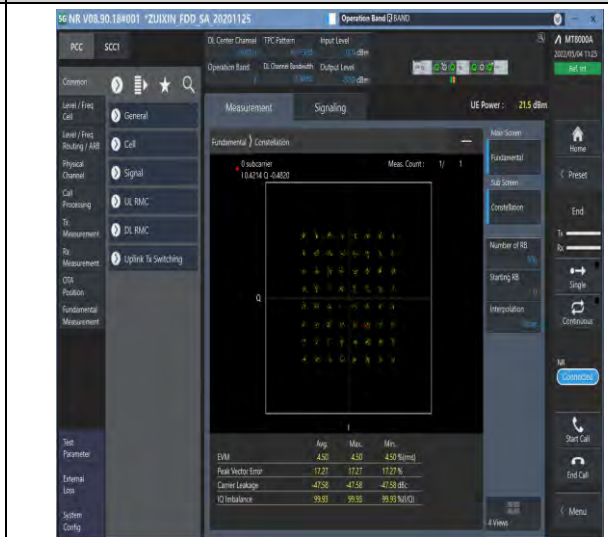
1-N2-PC3-15-20-M-5-DFT-256QAM-Outer\_Full-100 @0-Ant1-see graph-PASS



1-N2-PC3-15-20-M-6-CP-QPSK-Outer\_Full-106@0-Ant1-see graph-PASS



1-N2-PC3-15-20-M-7-CP-16QAM-Outer\_Full-106@0-Ant1-see graph-PASS



1-N2-PC3-15-20-M-8-CP-64QAM-Outer\_Full-106@0-Ant1-see graph-PASS

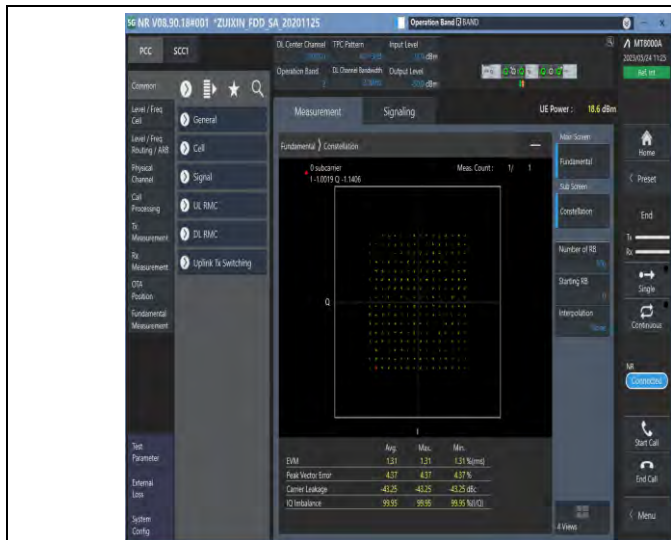


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1-N2-PC3-15-20-M-9-CP-256QAM-Outer\_Full-106@0-Ant1-see graph-PASS



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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
N2	15	5	DFT-QPSK	L	Outer_Full	4.457	4.770	PASS
N2	15	5	DFT-PI2BPSK	L	Outer_Full	4.472	4.810	PASS
N2	15	5	DFT-16QAM	L	Outer_Full	4.465	4.880	PASS
N2	15	5	DFT-64QAM	L	Outer_Full	4.455	4.840	PASS
N2	15	5	DFT-256QAM	L	Outer_Full	4.477	4.840	PASS
N2	15	5	CP-QPSK	L	Outer_Full	4.468	4.900	PASS
N2	15	5	CP-16QAM	L	Outer_Full	4.470	4.890	PASS
N2	15	5	CP-64QAM	L	Outer_Full	4.467	4.840	PASS
N2	15	5	CP-256QAM	L	Outer_Full	4.474	4.820	PASS
N2	15	5	DFT-QPSK	M	Outer_Full	4.451	4.800	PASS
N2	15	5	DFT-PI2BPSK	M	Outer_Full	4.480	4.810	PASS
N2	15	5	DFT-16QAM	M	Outer_Full	4.473	4.870	PASS
N2	15	5	DFT-64QAM	M	Outer_Full	4.459	4.830	PASS
N2	15	5	DFT-256QAM	M	Outer_Full	4.484	4.840	PASS
N2	15	5	CP-QPSK	M	Outer_Full	4.465	4.830	PASS
N2	15	5	CP-16QAM	M	Outer_Full	4.479	4.790	PASS
N2	15	5	CP-64QAM	M	Outer_Full	4.468	4.860	PASS
N2	15	5	CP-256QAM	M	Outer_Full	4.459	4.910	PASS
N2	15	5	DFT-QPSK	H	Outer_Full	4.45	4.760	PASS
N2	15	5	DFT-PI2BPSK	H	Outer_Full	4.484	4.790	PASS
N2	15	5	DFT-16QAM	H	Outer_Full	4.465	4.830	PASS
N2	15	5	DFT-64QAM	H	Outer_Full	4.473	4.860	PASS
N2	15	5	DFT-256QAM	H	Outer_Full	4.479	4.800	PASS
N2	15	5	CP-QPSK	H	Outer_Full	4.475	4.860	PASS
N2	15	5	CP-16QAM	H	Outer_Full	4.478	4.850	PASS
N2	15	5	CP-64QAM	H	Outer_Full	4.463	4.820	PASS
N2	15	5	CP-256QAM	H	Outer_Full	4.461	4.840	PASS
N2	15	10	DFT-QPSK	L	Outer_Full	8.924	9.520	PASS
N2	15	10	DFT-PI2BPSK	L	Outer_Full	8.913	9.380	PASS



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N2	15	10	DFT-16QAM	L	Outer_Full	8.932	9.580	PASS
N2	15	10	DFT-64QAM	L	Outer_Full	8.915	9.500	PASS
N2	15	10	DFT-256QAM	L	Outer_Full	8.907	9.460	PASS
N2	15	10	CP-QPSK	L	Outer_Full	9.294	9.820	PASS
N2	15	10	CP-16QAM	L	Outer_Full	9.321	9.860	PASS
N2	15	10	CP-64QAM	L	Outer_Full	9.272	9.820	PASS
N2	15	10	CP-256QAM	L	Outer_Full	9.265	9.860	PASS
N2	15	10	DFT-QPSK	M	Outer_Full	8.923	9.520	PASS
N2	15	10	DFT-PI2BPSK	M	Outer_Full	8.919	9.540	PASS
N2	15	10	DFT-16QAM	M	Outer_Full	8.931	9.460	PASS
N2	15	10	DFT-64QAM	M	Outer_Full	8.914	9.520	PASS
N2	15	10	DFT-256QAM	M	Outer_Full	8.922	9.600	PASS
N2	15	10	CP-QPSK	M	Outer_Full	9.276	9.920	PASS
N2	15	10	CP-16QAM	M	Outer_Full	9.284	9.840	PASS
N2	15	10	CP-64QAM	M	Outer_Full	9.291	9.840	PASS
N2	15	10	CP-256QAM	M	Outer_Full	9.291	9.820	PASS
N2	15	10	DFT-QPSK	H	Outer_Full	8.925	9.420	PASS
N2	15	10	DFT-PI2BPSK	H	Outer_Full	8.920	9.560	PASS
N2	15	10	DFT-16QAM	H	Outer_Full	8.942	9.540	PASS
N2	15	10	DFT-64QAM	H	Outer_Full	8.908	9.660	PASS
N2	15	10	DFT-256QAM	H	Outer_Full	8.939	9.620	PASS
N2	15	10	CP-QPSK	H	Outer_Full	9.270	9.880	PASS
N2	15	10	CP-16QAM	H	Outer_Full	9.290	9.800	PASS
N2	15	10	CP-64QAM	H	Outer_Full	9.283	9.820	PASS
N2	15	10	CP-256QAM	H	Outer_Full	9.273	9.820	PASS
N2	15	15	DFT-QPSK	L	Outer_Full	13.42	14.220	PASS
N2	15	15	DFT-PI2BPSK	L	Outer_Full	13.448	14.220	PASS
N2	15	15	DFT-16QAM	L	Outer_Full	13.449	14.160	PASS
N2	15	15	DFT-64QAM	L	Outer_Full	13.451	14.220	PASS
N2	15	15	DFT-256QAM	L	Outer_Full	13.418	14.130	PASS
N2	15	15	CP-QPSK	L	Outer_Full	14.113	15.570	PASS
N2	15	15	CP-16QAM	L	Outer_Full	14.088	14.850	PASS
N2	15	15	CP-64QAM	L	Outer_Full	14.093	14.730	PASS
N2	15	15	CP-256QAM	L	Outer_Full	14.100	14.910	PASS
N2	15	15	DFT-QPSK	M	Outer_Full	13.427	14.310	PASS
N2	15	15	DFT-PI2BPSK	M	Outer_Full	13.451	14.190	PASS
N2	15	15	DFT-16QAM	M	Outer_Full	13.428	14.130	PASS



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N2	15	15	DFT-64QAM	M	Outer_Full	13.433	14.190	PASS
N2	15	15	DFT-256QAM	M	Outer_Full	13.431	14.220	PASS
N2	15	15	CP-QPSK	M	Outer_Full	14.126	14.820	PASS
N2	15	15	CP-16QAM	M	Outer_Full	14.095	14.820	PASS
N2	15	15	CP-64QAM	M	Outer_Full	14.133	14.850	PASS
N2	15	15	CP-256QAM	M	Outer_Full	14.109	14.880	PASS
N2	15	15	DFT-QPSK	H	Outer_Full	13.432	14.160	PASS
N2	15	15	DFT-PI2BPSK	H	Outer_Full	13.434	14.220	PASS
N2	15	15	DFT-16QAM	H	Outer_Full	13.441	14.310	PASS
N2	15	15	DFT-64QAM	H	Outer_Full	13.437	14.310	PASS
N2	15	15	DFT-256QAM	H	Outer_Full	13.443	14.250	PASS
N2	15	15	CP-QPSK	H	Outer_Full	14.122	14.760	PASS
N2	15	15	CP-16QAM	H	Outer_Full	14.068	14.850	PASS
N2	15	15	CP-64QAM	H	Outer_Full	14.128	14.910	PASS
N2	15	15	CP-256QAM	H	Outer_Full	14.136	14.880	PASS
N2	15	20	DFT-QPSK	L	Outer_Full	17.889	18.920	PASS
N2	15	20	DFT-PI2BPSK	L	Outer_Full	17.822	18.840	PASS
N2	15	20	DFT-16QAM	L	Outer_Full	17.881	18.840	PASS
N2	15	20	DFT-64QAM	L	Outer_Full	17.879	19.080	PASS
N2	15	20	DFT-256QAM	L	Outer_Full	17.867	18.760	PASS
N2	15	20	CP-QPSK	L	Outer_Full	18.953	19.760	PASS
N2	15	20	CP-16QAM	L	Outer_Full	18.927	19.800	PASS
N2	15	20	CP-64QAM	L	Outer_Full	18.911	19.880	PASS
N2	15	20	CP-256QAM	L	Outer_Full	18.889	19.800	PASS
N2	15	20	DFT-QPSK	M	Outer_Full	17.852	18.760	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	17.880	18.840	PASS
N2	15	20	DFT-16QAM	M	Outer_Full	17.874	18.760	PASS
N2	15	20	DFT-64QAM	M	Outer_Full	17.884	18.920	PASS
N2	15	20	DFT-256QAM	M	Outer_Full	17.890	18.920	PASS
N2	15	20	CP-QPSK	M	Outer_Full	18.977	19.840	PASS
N2	15	20	CP-16QAM	M	Outer_Full	18.936	19.760	PASS
N2	15	20	CP-64QAM	M	Outer_Full	18.913	19.880	PASS
N2	15	20	CP-256QAM	M	Outer_Full	18.927	19.880	PASS
N2	15	20	DFT-QPSK	H	Outer_Full	17.837	18.560	PASS
N2	15	20	DFT-PI2BPSK	H	Outer_Full	17.882	18.760	PASS
N2	15	20	DFT-16QAM	H	Outer_Full	17.891	18.960	PASS
N2	15	20	DFT-64QAM	H	Outer_Full	17.880	18.800	PASS



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N2	15	20	DFT-256QAM	H	Outer_Full	17.897	18.880	PASS
N2	15	20	CP-QPSK	H	Outer_Full	18.974	19.800	PASS
N2	15	20	CP-16QAM	H	Outer_Full	18.923	19.880	PASS
N2	15	20	CP-64QAM	H	Outer_Full	18.929	19.800	PASS
N2	15	20	CP-256QAM	H	Outer_Full	18.939	19.720	PASS



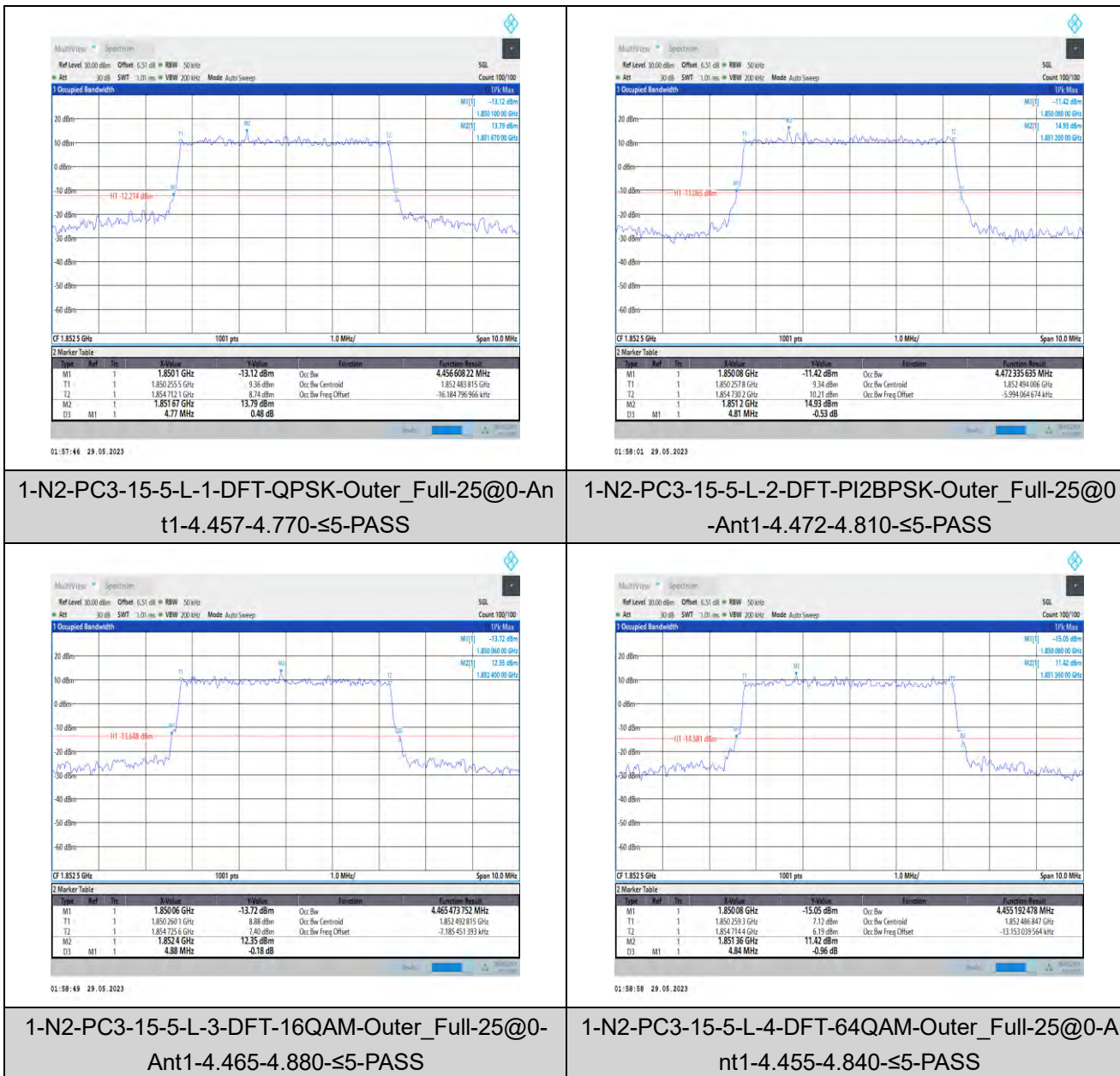
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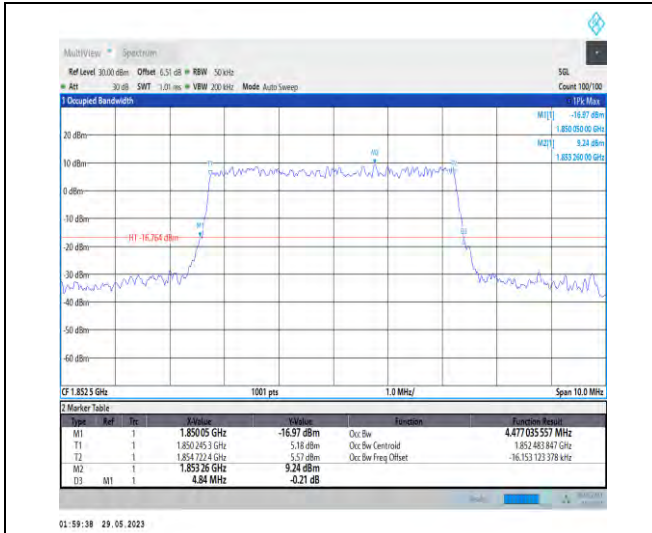
Test Graphs



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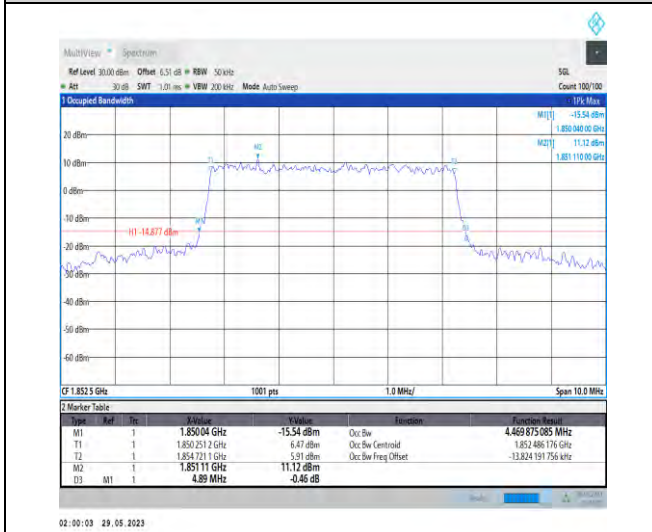
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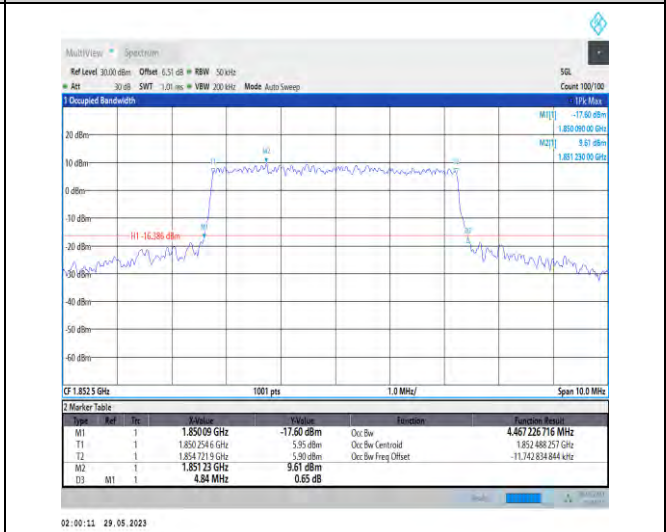
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1-N2-PC3-15-5-L-6-CP-QPSK-Outer\_Full-25@0-Ant 1-4.468-4.900-≤5-PASS



1-N2-PC3-15-5-L-7-CP-16QAM-Outer\_Full-25@0-Ant1-4.47-4.890-≤5-PASS



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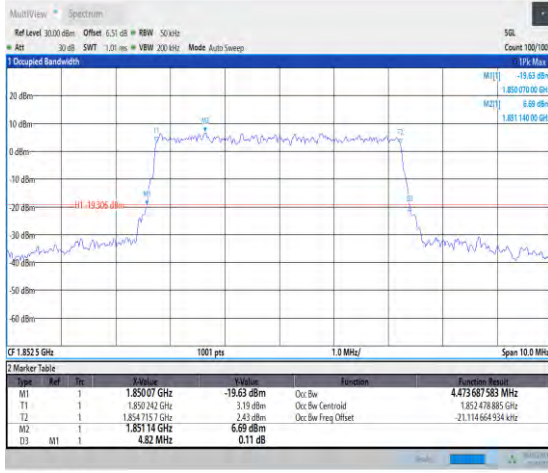


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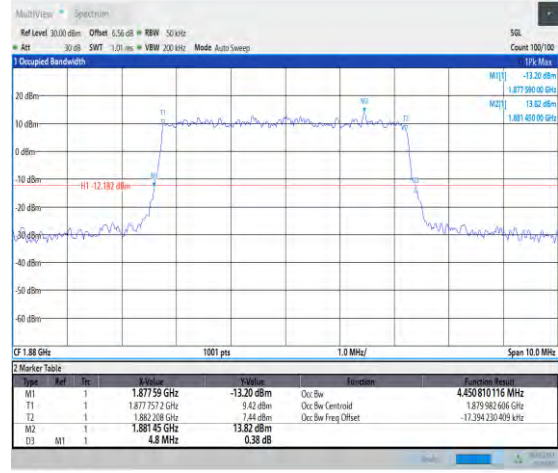
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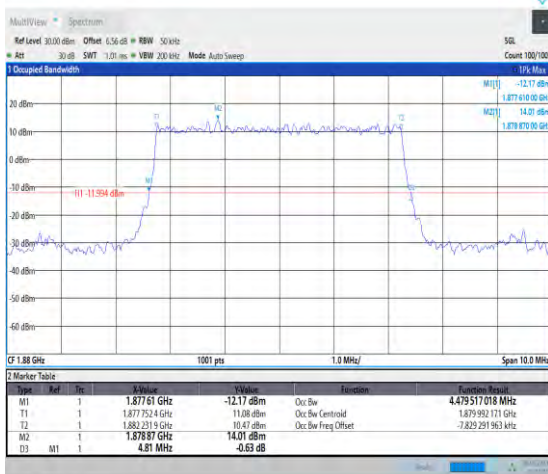
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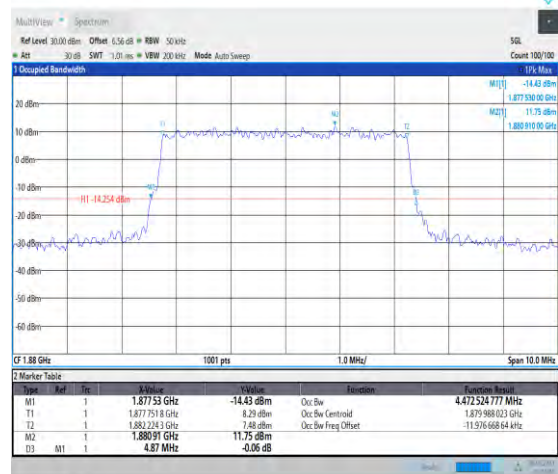
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1-N2-PC3-15-5-M-1-DFT-QPSK-Outer\_Full-25@0-A  
nt1-4.451-4.800-≤5-PASS



1-N2-PC3-15-5-M-2-DFT-PI2BPSK-Outer\_Full-25@0  
-Ant1-4.48-4.810-≤5-PASS



1-N2-PC3-15-5-M-3-DFT-16QAM-Outer\_Full-25@0-  
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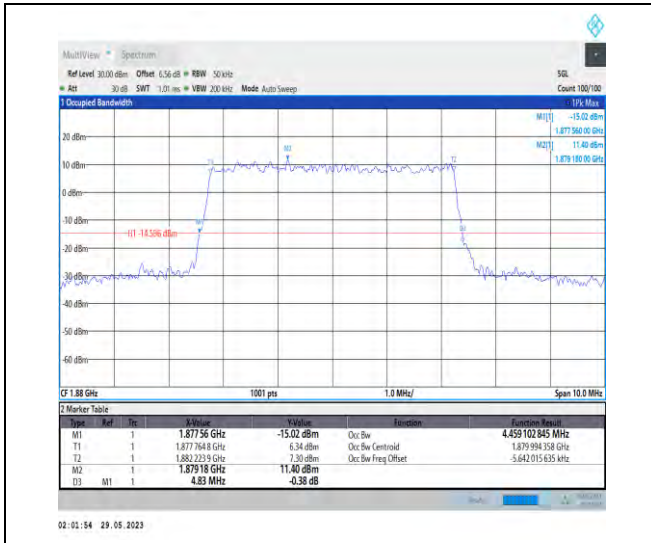


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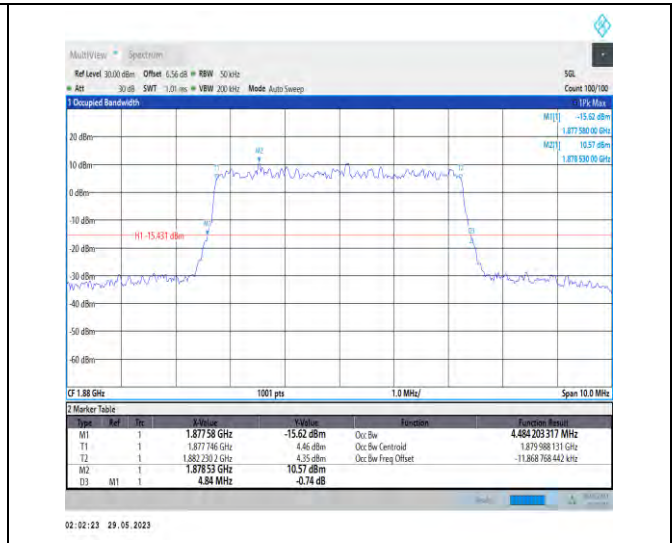
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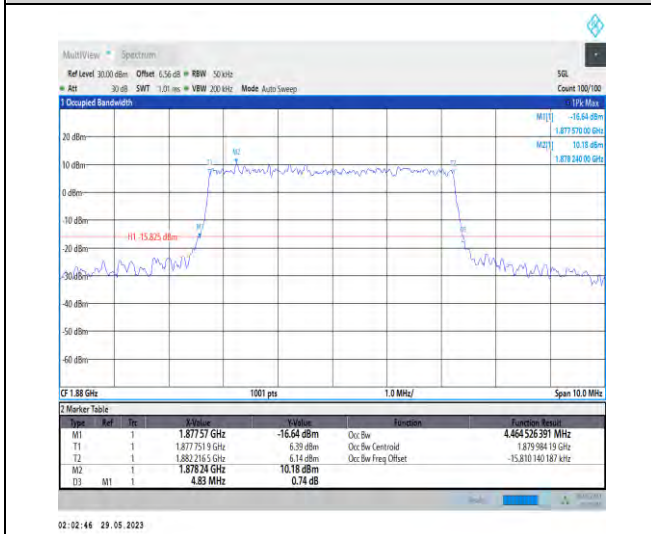
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1-N2-PC3-15-5-M-4-DFT-64QAM-Outer\_Full-25@0-Ant1-4.459-4.830-≤5-PASS



1-N2-PC3-15-5-M-5-DFT-256QAM-Outer\_Full-25@0-Ant1-4.484-4.840-≤5-PASS



1-N2-PC3-15-5-M-6-CP-QPSK-Outer\_Full-25@0-Ant1-4.465-4.830-≤5-PASS



1-N2-PC3-15-5-M-7-CP-16QAM-Outer\_Full-25@0-Ant1-4.479-4.790-≤5-PASS



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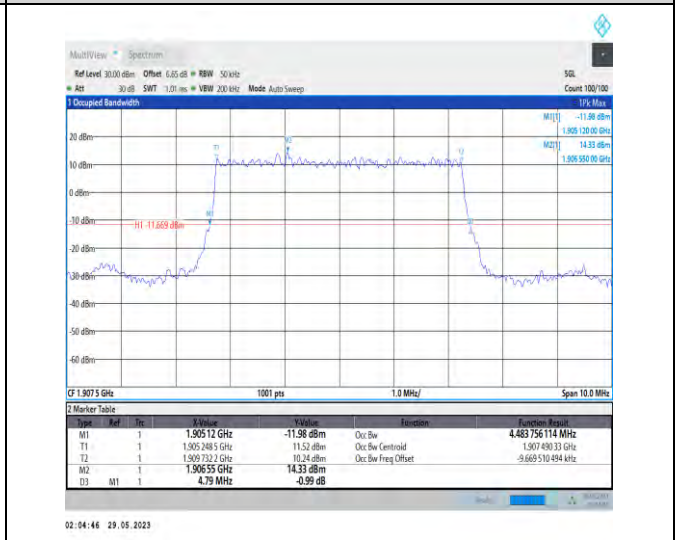
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1-N2-PC3-15-5-M-9-CP-256QAM-Outer\_Full-25@0-Ant1-4.459-4.910-<math>\leq 5</math>-PASS



1-N2-PC3-15-5-H-1-DFT-QPSK-Outer\_Full-25@0-Ant1-4.45-4.760-<math>\leq 5</math>-PASS



1-N2-PC3-15-5-H-2-DFT-PI2BPSK-Outer\_Full-25@0-Ant1-4.484-4.790-<math>\leq 5</math>-PASS



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1-N2-PC3-15-5-H-3-DFT-16QAM-Outer\_Full-25@0-A  
Ant1-4.465-4.830-≤5-PASS



1-N2-PC3-15-5-H-4-DFT-64QAM-Outer\_Full-25@0-  
Ant1-4.473-4.860-≤5-PASS



1-N2-PC3-15-5-H-5-DFT-256QAM-Outer\_Full-25@0-  
Ant1-4.479-4.800-≤5-PASS



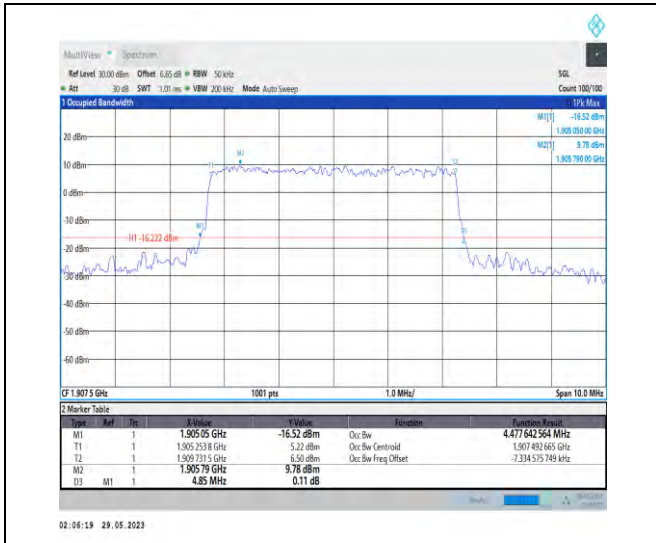
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t1-4.475-4.860-≤5-PASS



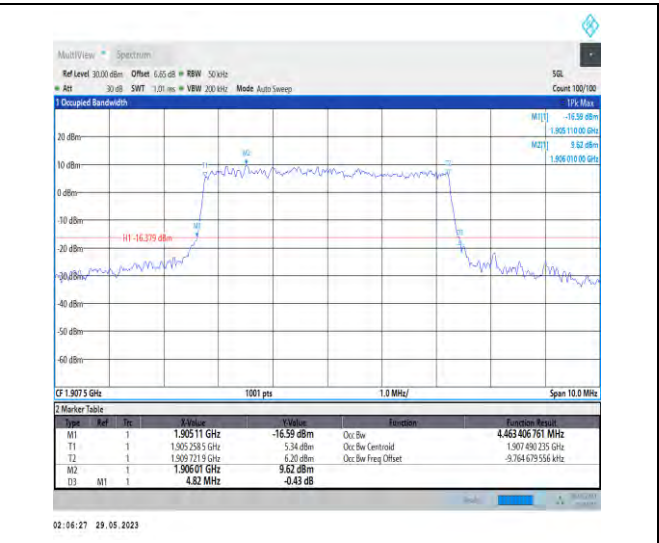
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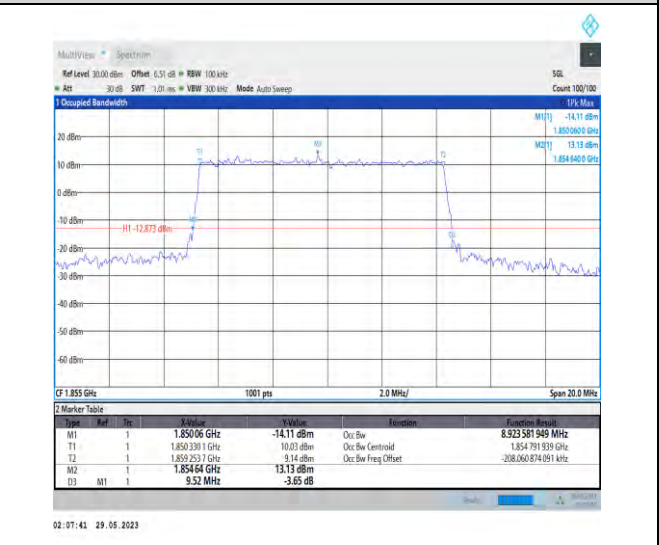
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nt1-4.478-4.850-<5-PASS



1-N2-PC3-15-5-H-8-CP-64QAM-Outer\_Full-25@0-A  
nt1-4.463-4.820-<5-PASS



1-N2-PC3-15-5-H-9-CP-256QAM-Outer\_Full-25@0-A  
Ant1-4.461-4.840-<5-PASS



1-N2-PC3-15-10-L-1-DFT-QPSK-Outer\_Full-50@0-A  
nt1-8.924-9.520-<10-PASS



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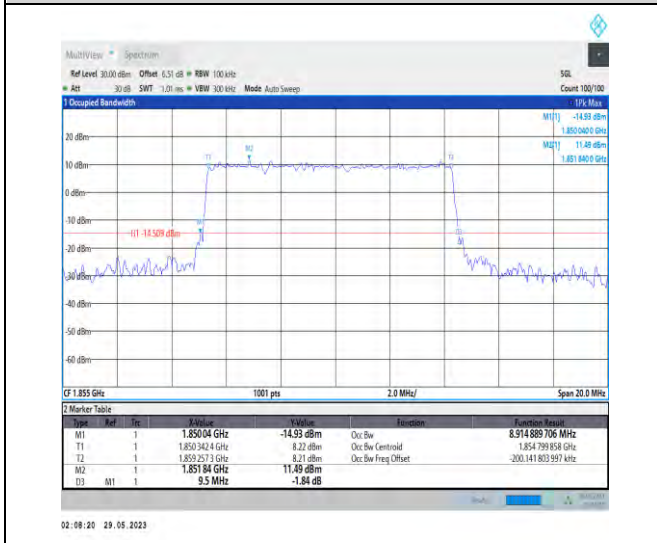
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1-N2-PC3-15-10-L-2-DFT-PI2BPSK-Outer\_Full-50@0-Ant1-8.913-9.380-≤10-PASS



1-N2-PC3-15-10-L-3-DFT-16QAM-Outer\_Full-50@0-Ant1-8.932-9.580-≤10-PASS



1-N2-PC3-15-10-L-4-DFT-64QAM-Outer\_Full-50@0-Ant1-8.915-9.500-≤10-PASS



1-N2-PC3-15-10-L-5-DFT-256QAM-Outer\_Full-50@0-Ant1-8.907-9.460-≤10-PASS



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1-N2-PC3-15-10-L-6-CP-QPSK-Outer\_Full-52@0-A  
nt1-9.294-9.820-≤10-PASS



1-N2-PC3-15-10-L-7-CP-16QAM-Outer\_Full-52@0-A  
nt1-9.321-9.860-≤10-PASS



1-N2-PC3-15-10-L-8-CP-64QAM-Outer\_Full-52@0-  
Ant1-9.272-9.820-≤10-PASS



1-N2-PC3-15-10-L-9-CP-256QAM-Outer\_Full-52@0-  
Ant1-9.265-9.860-≤10-PASS



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1-N2-PC3-15-10-M-1-DFT-QPSK-Outer\_Full-50@0-Ant1-8.923-9.520-≤10-PASS



1-N2-PC3-15-10-M-2-DFT-PI2BPSK-Outer\_Full-50@0-Ant1-8.919-9.540-≤10-PASS



1-N2-PC3-15-10-M-3-DFT-16QAM-Outer\_Full-50@0-Ant1-8.931-9.460-≤10-PASS



1-N2-PC3-15-10-M-4-DFT-64QAM-Outer\_Full-50@0-Ant1-8.914-9.520-≤10-PASS



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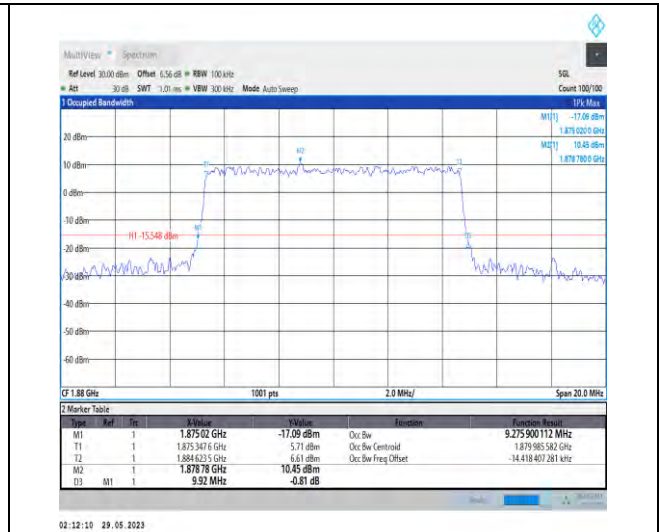
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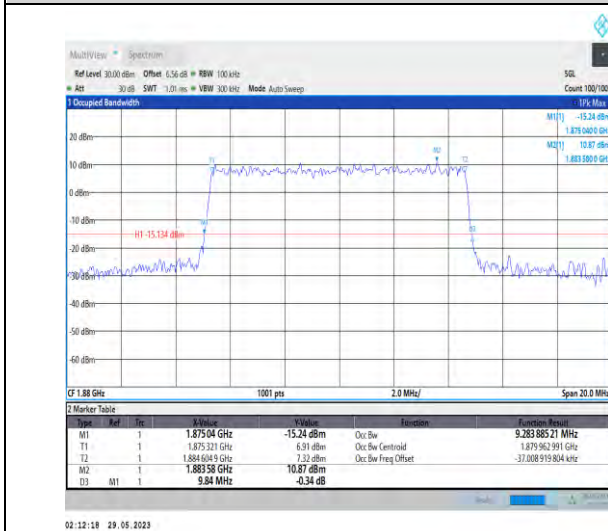
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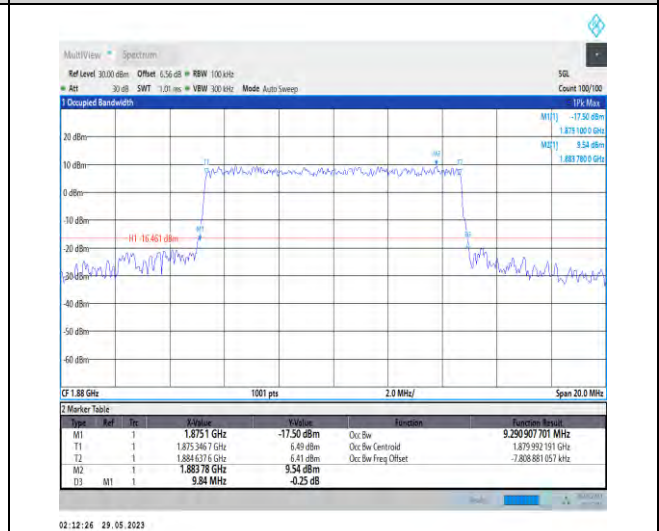
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1-N2-PC3-15-10-M-6-CP-QPSK-Outer\_Full-52@0-  
Ant1-9.276-9.920-<=10-PASS



1-N2-PC3-15-10-M-7-CP-16QAM-Outer\_Full-52@0-A  
nt1-9.284-9.840-<=10-PASS



1-N2-PC3-15-10-M-8-CP-64QAM-Outer\_Full-52@0-  
Ant1-9.291-9.840-<=10-PASS

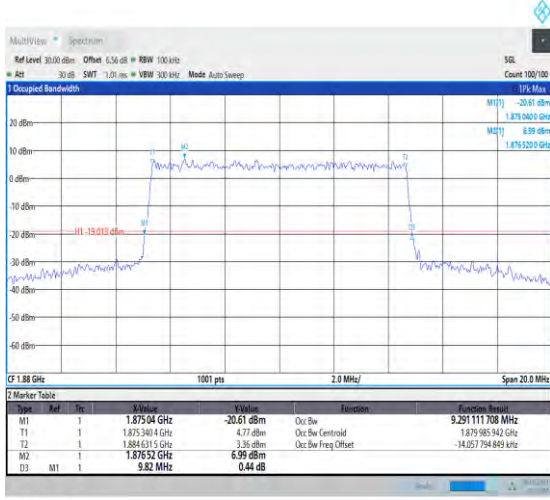


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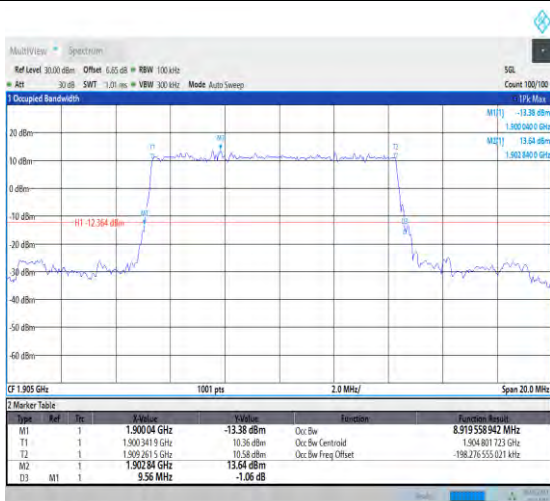
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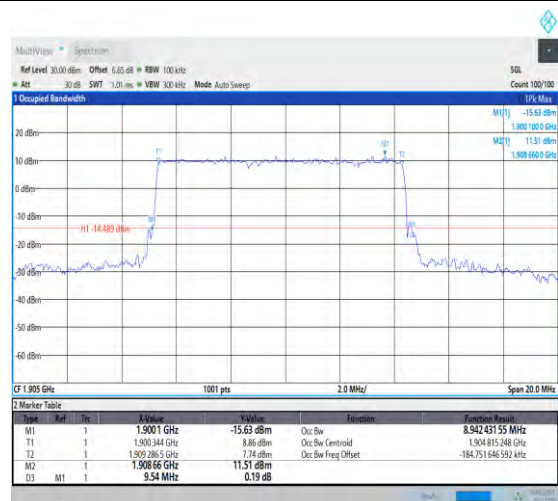
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Ant1-8.925-9.420-≤10-PASS



1-N2-PC3-15-10-H-2-DFT-PI2BPSK-Outer\_Full-50@  
0-Ant1-8.92-9.560-≤10-PASS



1-N2-PC3-15-10-H-3-DFT-16QAM-Outer\_Full-50@0  
-Ant1-8.942-9.540-≤10-PASS



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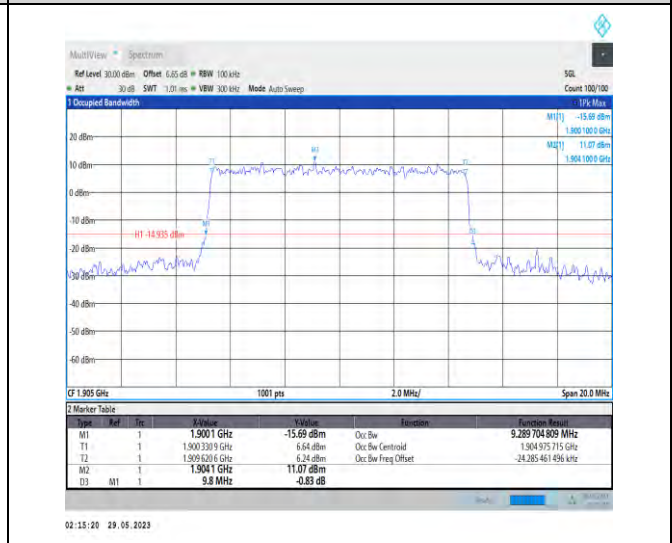
1-N2-PC3-15-10-H-4-DFT-64QAM-Outer\_Full-50@0-Ant1-8.908-9.660-≤10-PASS



1-N2-PC3-15-10-H-5-DFT-256QAM-Outer\_Full-50@0-Ant1-8.939-9.620-≤10-PASS



1-N2-PC3-15-10-H-6-CP-QPSK-Outer\_Full-52@0-Ant1-9.27-9.880-≤10-PASS



1-N2-PC3-15-10-H-7-CP-16QAM-Outer\_Full-52@0-Ant1-9.29-9.800-≤10-PASS

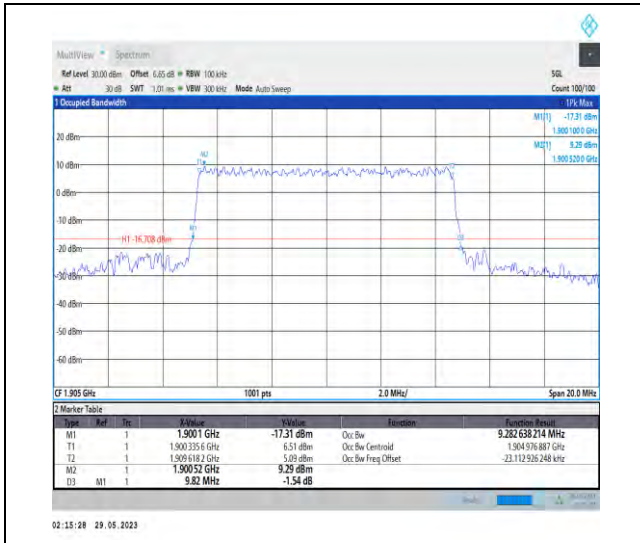


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1-N2-PC3-15-10-H-8-CP-64QAM-Outer\_Full-52@0  
-Ant1-9.283-9.820-<=10-PASS



1-N2-PC3-15-10-H-9-CP-256QAM-Outer\_Full-52@0-  
Ant1-9.273-9.820-<=10-PASS



1-N2-PC3-15-15-L-1-DFT-QPSK-Outer\_Full-75@0-  
Ant1-13.42-14.220-<=15-PASS



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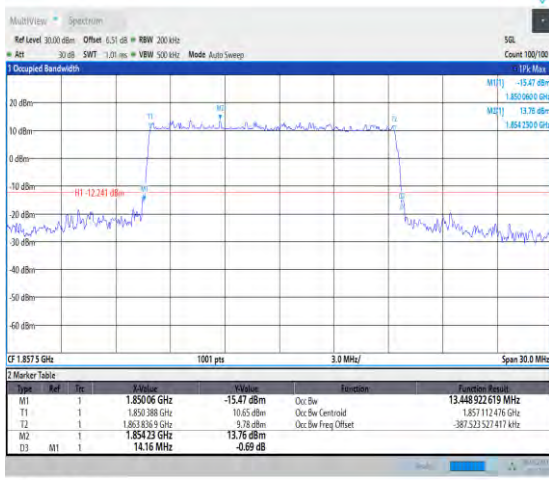
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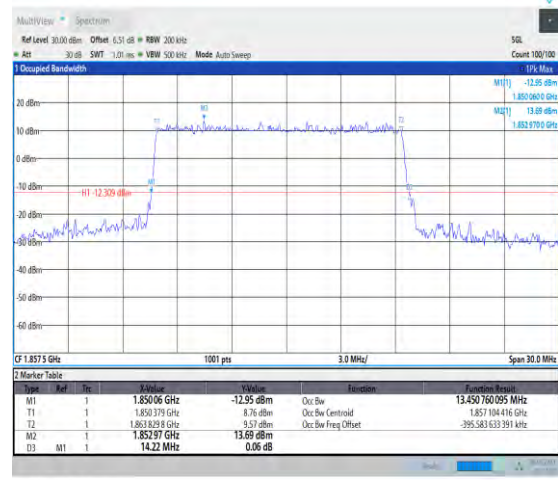
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1-N2-PC3-15-15-L-3-DFT-16QAM-Outer\_Full-75@0-Ant1-13.449-14.160-≤15-PASS



1-N2-PC3-15-15-L-4-DFT-64QAM-Outer\_Full-75@0-Ant1-13.451-14.220-≤15-PASS



1-N2-PC3-15-15-L-5-DFT-256QAM-Outer\_Full-75@0-Ant1-13.418-14.130-≤15-PASS



1-N2-PC3-15-15-L-6-CP-QPSK-Outer\_Full-79@0-Ant1-14.113-15.570-≤15-PASS



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1-N2-PC3-15-15-L-7-CP-16QAM-Outer\_Full-79@0-Ant1-14.088-14.850-≤15-PASS



1-N2-PC3-15-15-L-8-CP-64QAM-Outer\_Full-79@0-Ant1-14.093-14.730-≤15-PASS



1-N2-PC3-15-15-L-9-CP-256QAM-Outer\_Full-79@0-Ant1-14.1-14.910-≤15-PASS



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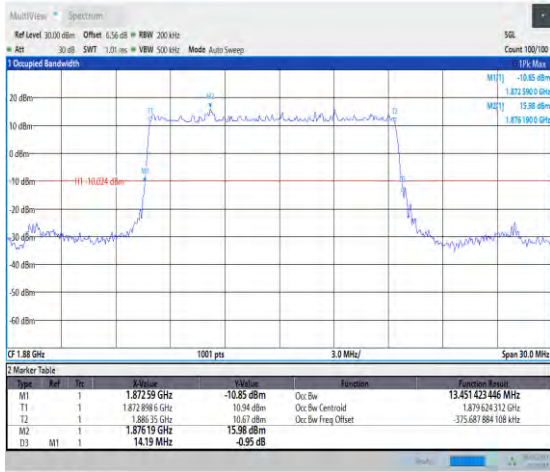


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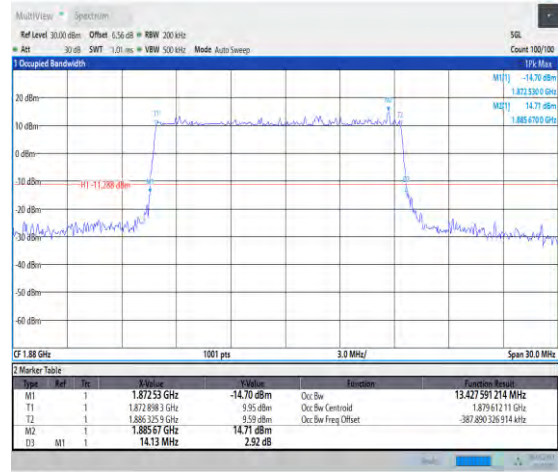
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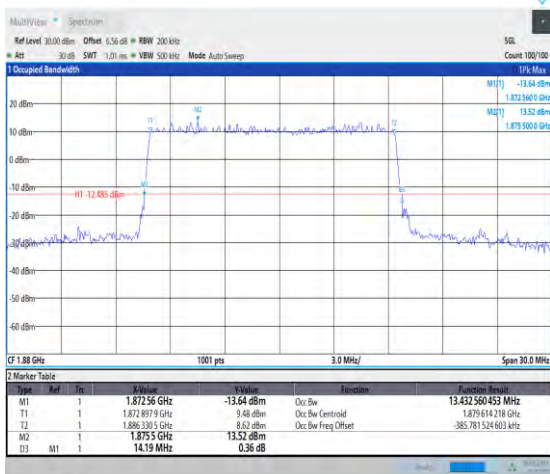
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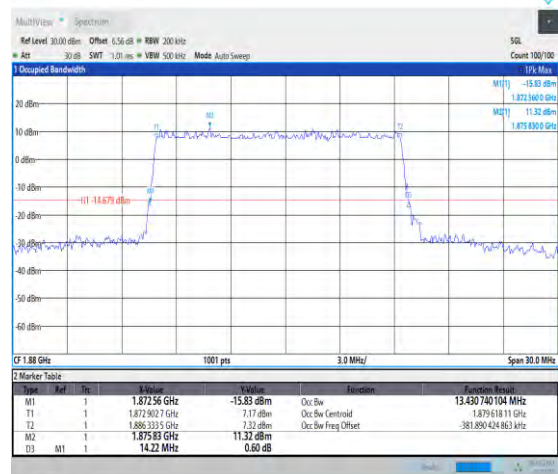
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0-Ant1-13.428-14.130≤15-PASS



1-N2-PC3-15-15-M-4-DFT-64QAM-Outer\_Full-75@  
0-Ant1-13.433-14.190≤15-PASS



1-N2-PC3-15-15-M-5-DFT-256QAM-Outer\_Full-75@  
0-Ant1-13.431-14.220≤15-PASS



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1-N2-PC3-15-15-M-6-CP-QPSK-Outer\_Full-79@0-Ant1-14.126-14.820-≤15-PASS



1-N2-PC3-15-15-M-7-CP-16QAM-Outer\_Full-79@0-Ant1-14.095-14.820-≤15-PASS



1-N2-PC3-15-15-M-8-CP-64QAM-Outer\_Full-79@0-Ant1-14.133-14.850-≤15-PASS



1-N2-PC3-15-15-M-9-CP-256QAM-Outer\_Full-79@0-Ant1-14.109-14.880-≤15-PASS



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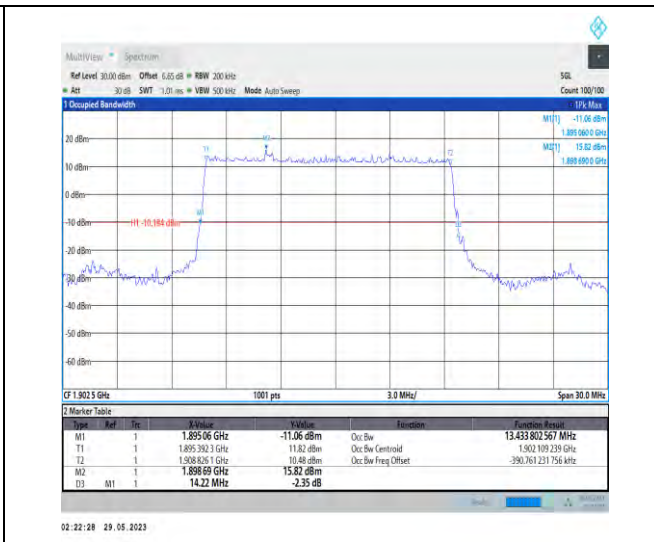
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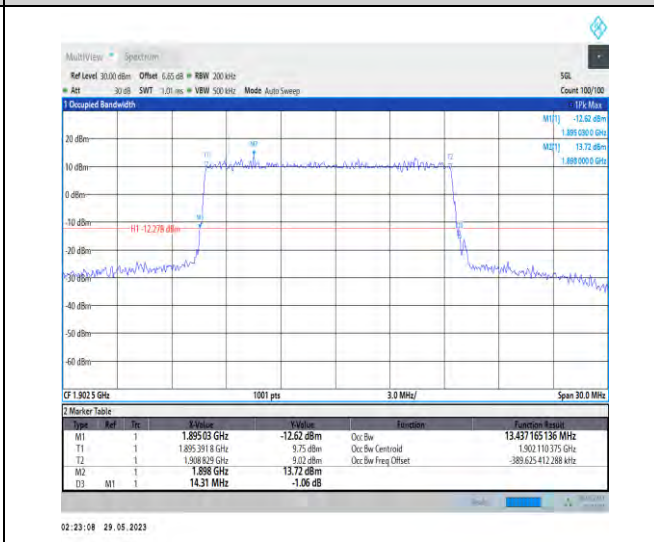
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1-N2-PC3-15-15-H-3-DFT-16QAM-Outer\_Full-75@0-Ant1-13.441-14.310-≤15-PASS



1-N2-PC3-15-15-H-4-DFT-64QAM-Outer\_Full-75@0-Ant1-13.437-14.310-≤15-PASS

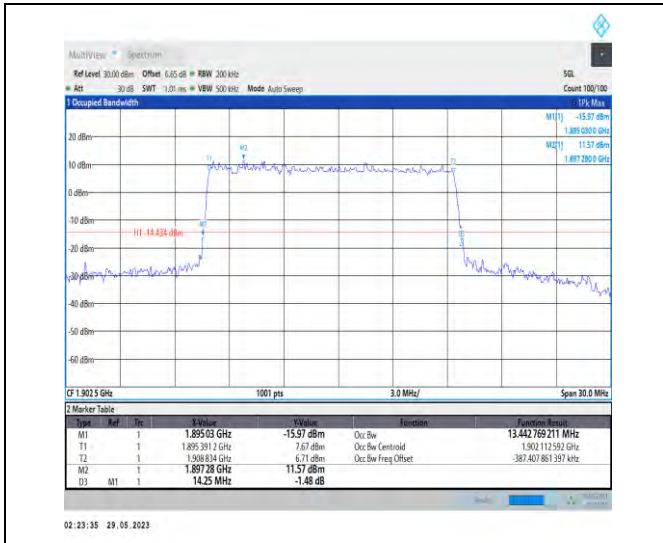


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1-N2-PC3-15-15-H-5-DFT-256QAM-Outer\_Full-75@0-A  
-Ant1-13.443-14.250-≤15-PASS



1-N2-PC3-15-15-H-6-CP-QPSK-Outer\_Full-79@0-A  
nt1-14.122-14.760-≤15-PASS



1-N2-PC3-15-15-H-7-CP-16QAM-Outer\_Full-79@0-A  
nt1-14.068-14.850-≤15-PASS



1-N2-PC3-15-15-H-8-CP-64QAM-Outer\_Full-79@0-A  
Ant1-14.128-14.910-≤15-PASS

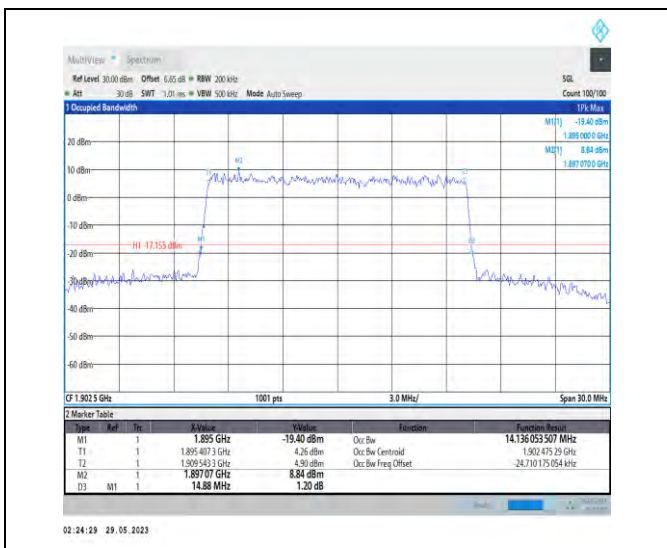


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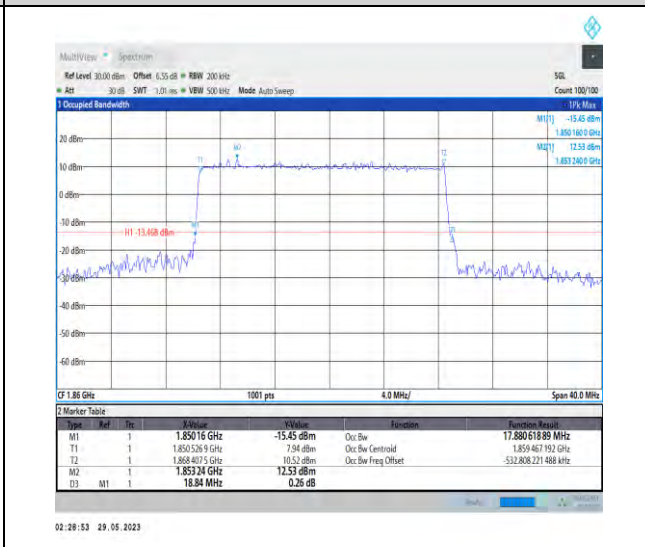
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1-N2-PC3-15-20-L-1-DFT-QPSK-Outer\_Full-100@0-Ant1-17.889-18.920-≤20-PASS



1-N2-PC3-15-20-L-2-DFT-PI2BPSK-Outer\_Full-100@0-Ant1-17.822-18.840-≤20-PASS



1-N2-PC3-15-20-L-3-DFT-16QAM-Outer\_Full-100@0-Ant1-17.881-18.840-≤20-PASS



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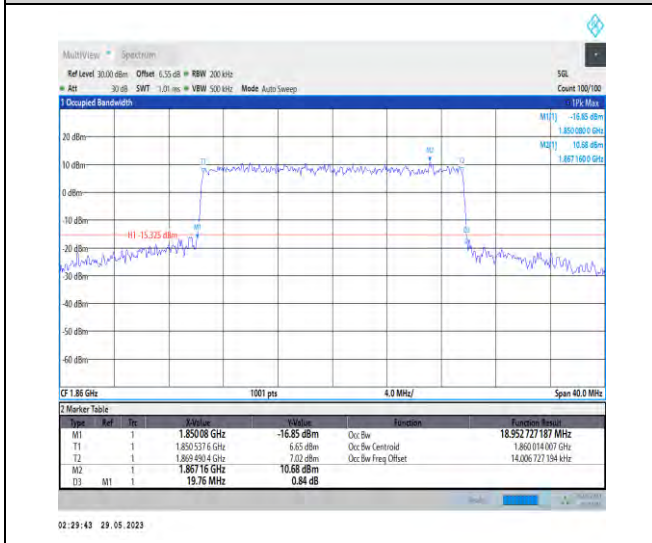
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1-N2-PC3-15-20-L-5-DFT-256QAM-Outer\_Full-100@  
0-Ant1-17.867-18.760-≤20-PASS



1-N2-PC3-15-20-L-6-CP-QPSK-Outer\_Full-106@0-  
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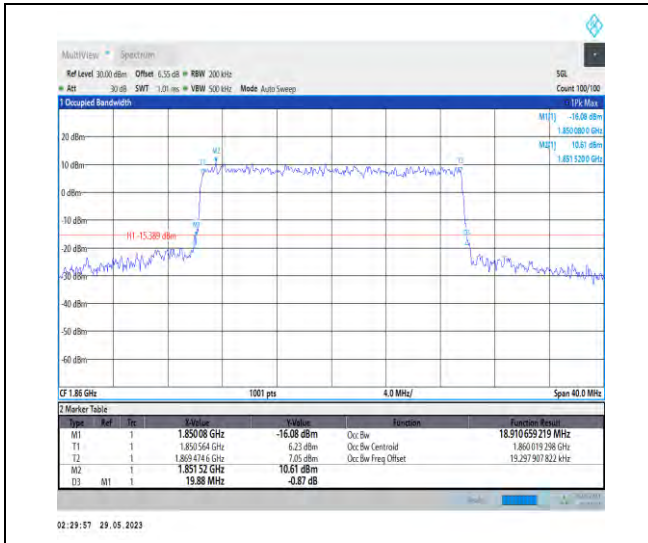
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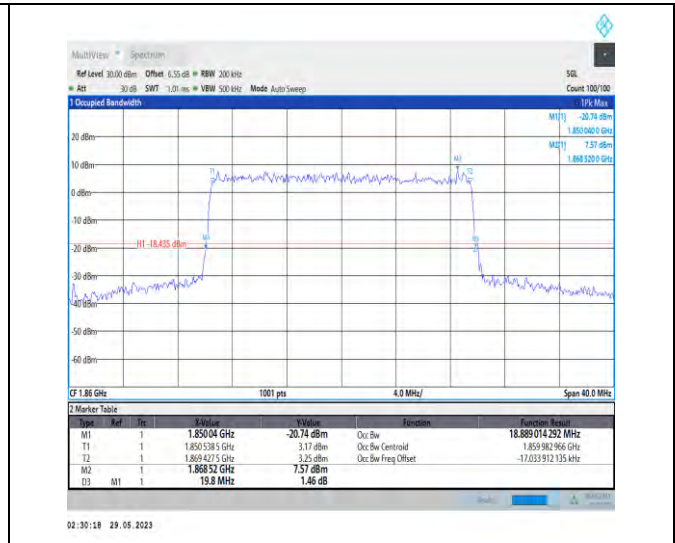
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-Ant1-18.911-19.880-≤20-PASS



1-N2-PC3-15-20-L-9-CP-256QAM-Outer\_Full-106@0  
-Ant1-18.889-19.800-≤20-PASS



1-N2-PC3-15-20-M-1-DFT-QPSK-Outer\_Full-100@0  
-Ant1-17.852-18.760-≤20-PASS



1-N2-PC3-15-20-M-2-DFT-PI2BPSK-Outer\_Full-100@0  
-Ant1-17.88-18.840-≤20-PASS



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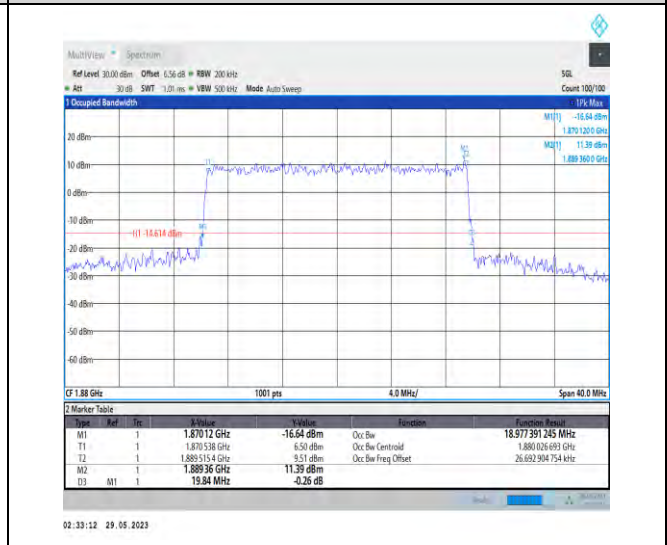
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0-Ant1-17.884-18.920-≤20-PASS



1-N2-PC3-15-20-M-5-DFT-256QAM-Outer\_Full-100  
@0-Ant1-17.89-18.920-≤20-PASS



1-N2-PC3-15-20-M-6-CP-QPSK-Outer\_Full-106@0-  
Ant1-18.977-19.840-≤20-PASS



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-Ant1-18.936-19.760-≤20-PASS



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1-N2-PC3-15-20-M-9-CP-256QAM-Outer\_Full-106@0  
0-Ant1-18.927-19.880-≤20-PASS



1-N2-PC3-15-20-H-1-DFT-QPSK-Outer\_Full-100@0  
-Ant1-17.837-18.560-≤20-PASS



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1-N2-PC3-15-20-H-2-DFT-PI2BPSK-Outter\_Full-100 @0-Ant1-17.882-18.760-≤20-PASS



1-N2-PC3-15-20-H-3-DFT-16QAM-Outter\_Full-100 @0-Ant1-17.891-18.960-≤20-PASS



1-N2-PC3-15-20-H-4-DFT-64QAM-Outter\_Full-100 @0-Ant1-17.88-18.800-≤20-PASS



1-N2-PC3-15-20-H-5-DFT-256QAM-Outter\_Full-100 @0-Ant1-17.897-18.880-≤20-PASS

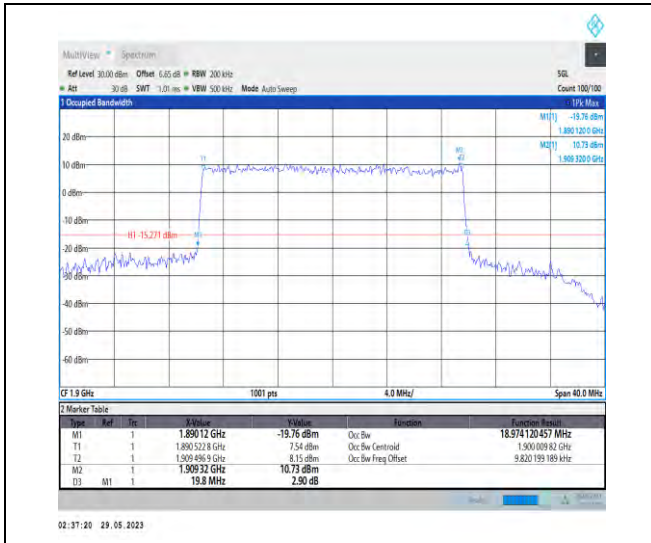


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1-N2-PC3-15-20-H-6-CP-QPSK-Outer\_Full-106@0-Ant1-18.974-19.800-<20-PASS



1-N2-PC3-15-20-H-7-CP-16QAM-Outer\_Full-106@0-Ant1-18.923-19.880-<20-PASS



1-N2-PC3-15-20-H-8-CP-64QAM-Outer\_Full-106@0-Ant1-18.929-19.800-<20-PASS



1-N2-PC3-15-20-H-9-CP-256QAM-Outer\_Full-106@0-Ant1-18.939-19.720-<20-PASS



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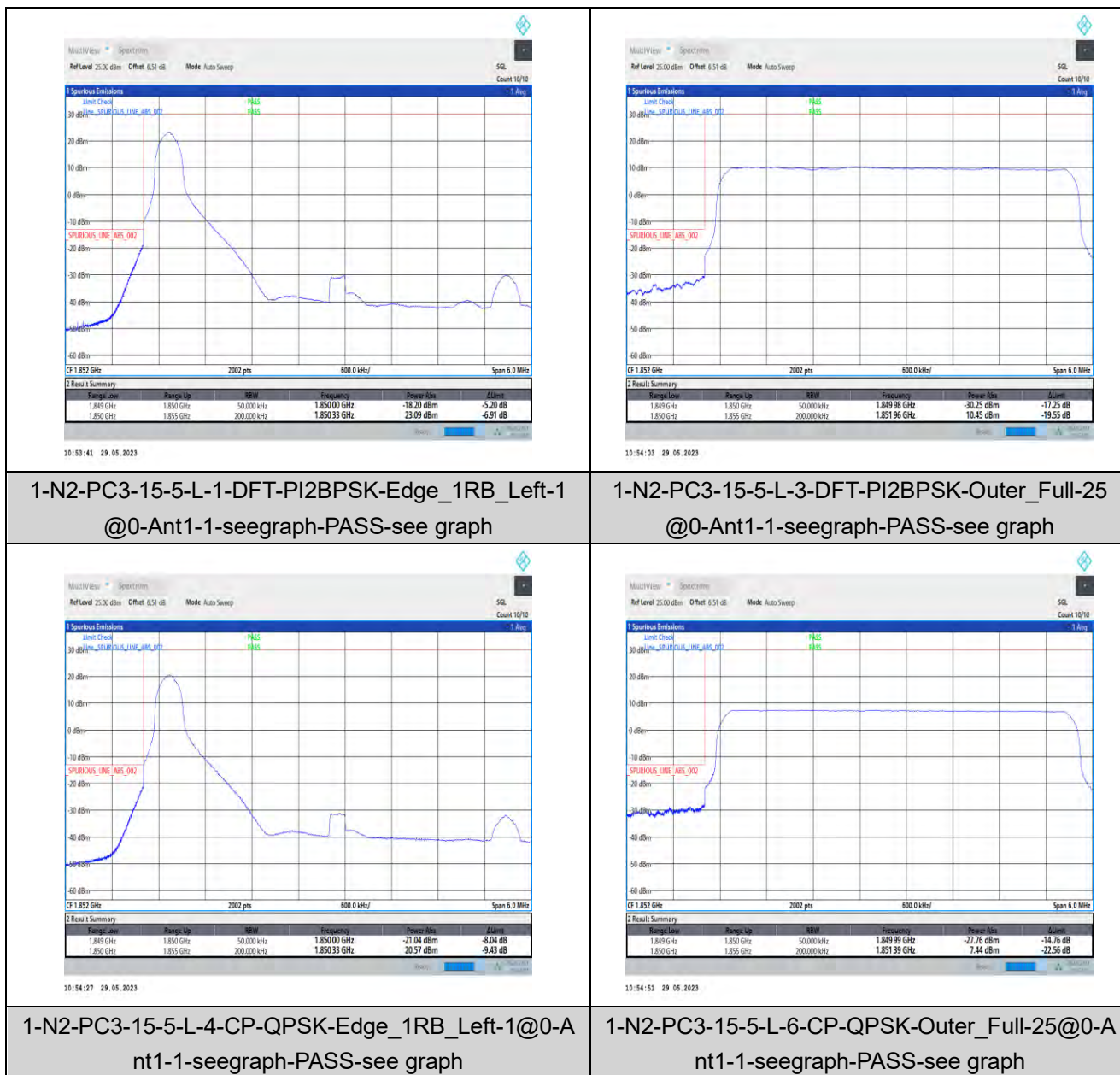
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## Band Edge for SA

### Test Graphs



1-N2-PC3-15-5-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1 @0-Ant1-1-seegraph-PASS-see graph

1-N2-PC3-15-5-L-3-DFT-PI2BPSK-Outer\_Full-25 @0-Ant1-1-seegraph-PASS-see graph

1-N2-PC3-15-5-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-A nt1-1-seegraph-PASS-see graph

1-N2-PC3-15-5-L-6-CP-QPSK-Outer\_Full-25@0-A nt1-1-seegraph-PASS-see graph

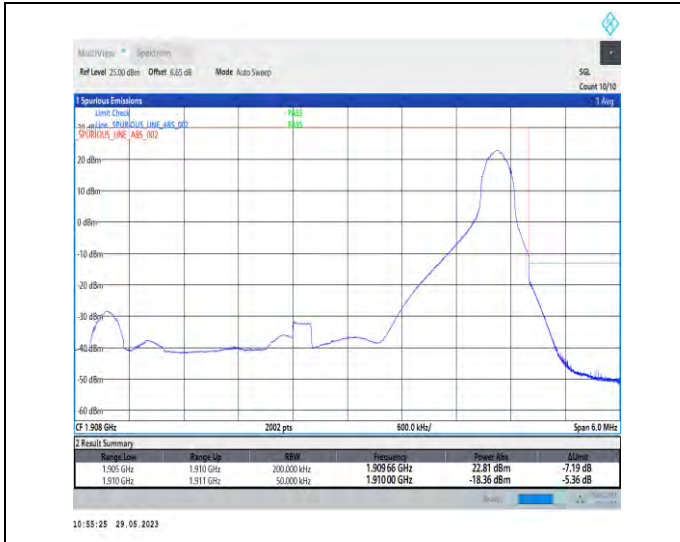


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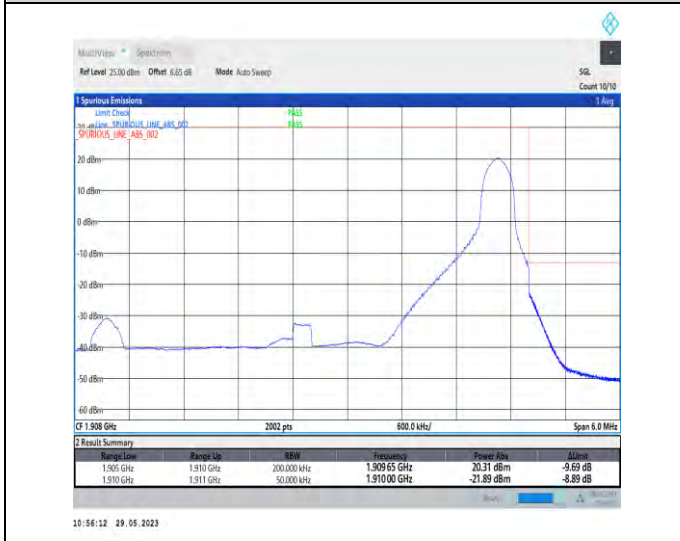
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1-N2-PC3-15-5-H-2-DFT-PI2BPSK-Edge\_1RB\_Right-1 @24-Ant1-1-seegraph-PASS-see graph

1-N2-PC3-15-5-H-3-DFT-PI2BPSK-Outer\_Full-25 @0-Ant1-1-seegraph-PASS-see graph



1-N2-PC3-15-5-H-5-CP-QPSK-Edge\_1RB\_Right-1@24-Ant1-1-seegraph-PASS-see graph

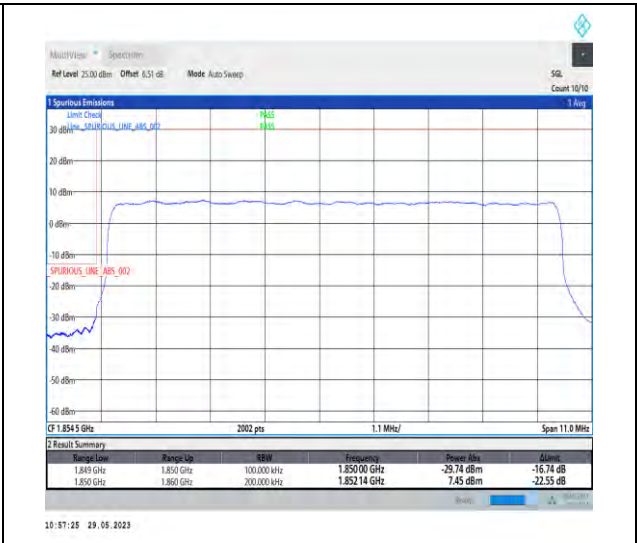
1-N2-PC3-15-5-H-6-CP-QPSK-Outer\_Full-25@0-Ant1-1-seegraph-PASS-see graph



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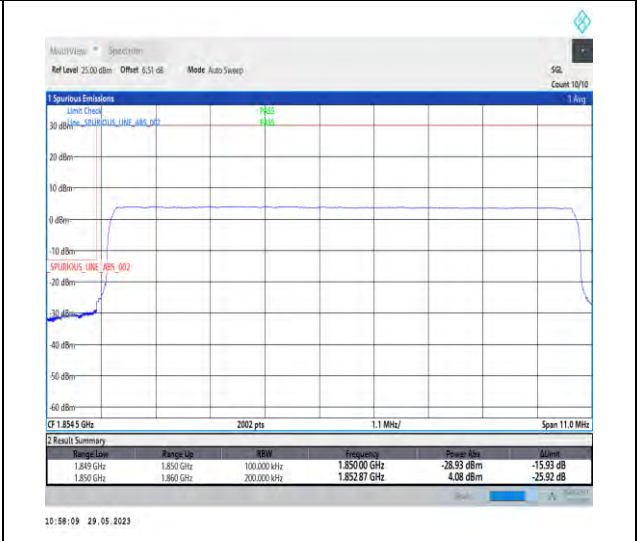
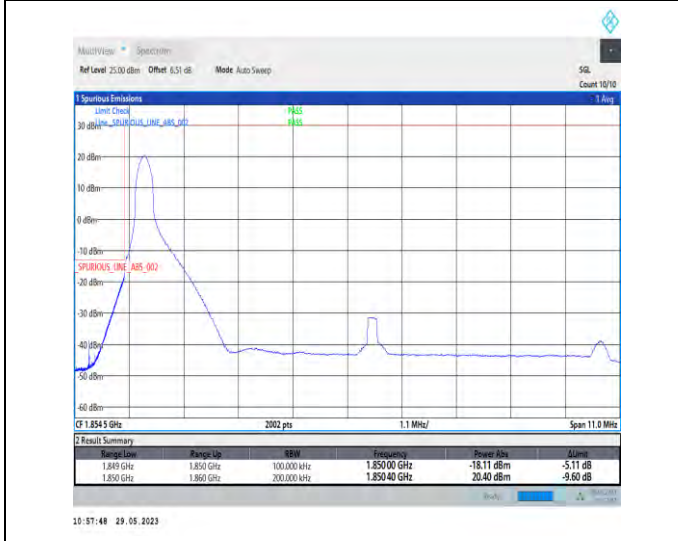
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1-N2-PC3-15-10-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1 @0-Ant1-1-seegraph-PASS-see graph

1-N2-PC3-15-10-L-3-DFT-PI2BPSK-Outer\_Full-50 @0-Ant1-1-seegraph-PASS-see graph



1-N2-PC3-15-10-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-1-seegraph-PASS-see graph

1-N2-PC3-15-10-L-6-CP-QPSK-Outer\_Full-52@0-Ant1-1-seegraph-PASS-see graph

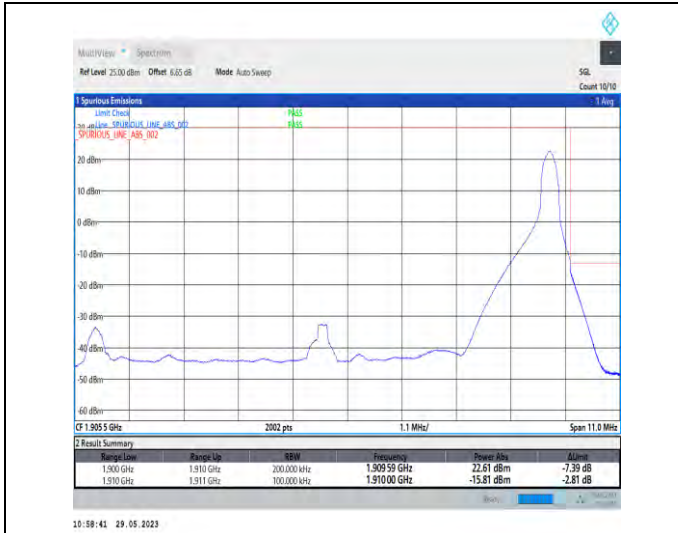


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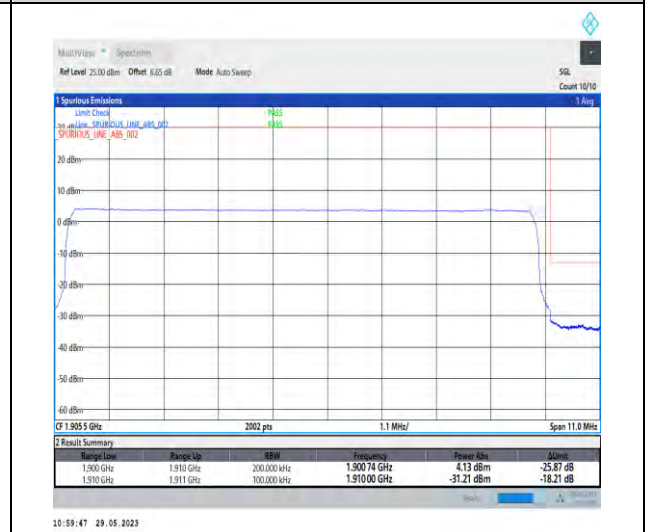
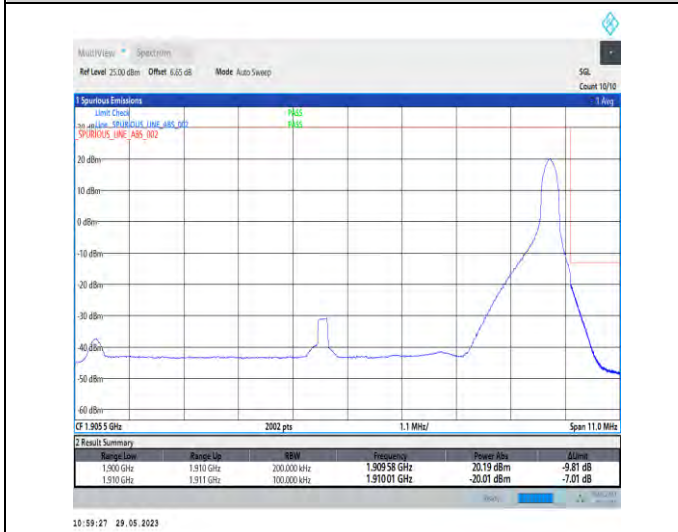
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1-N2-PC3-15-10-H-2-DFT-PI2BPSK-Edge\_1RB\_Right-1@51-Ant1-1-seegraph-PASS-see graph

1-N2-PC3-15-10-H-3-DFT-PI2BPSK-Outer\_Full-50@0-Ant1-1-seegraph-PASS-see graph



1-N2-PC3-15-10-H-5-CP-QPSK-Edge\_1RB\_Right-1@51-Ant1-1-seegraph-PASS-see graph

1-N2-PC3-15-10-H-6-CP-QPSK-Outer\_Full-52@0-Ant1-1-seegraph-PASS-see graph

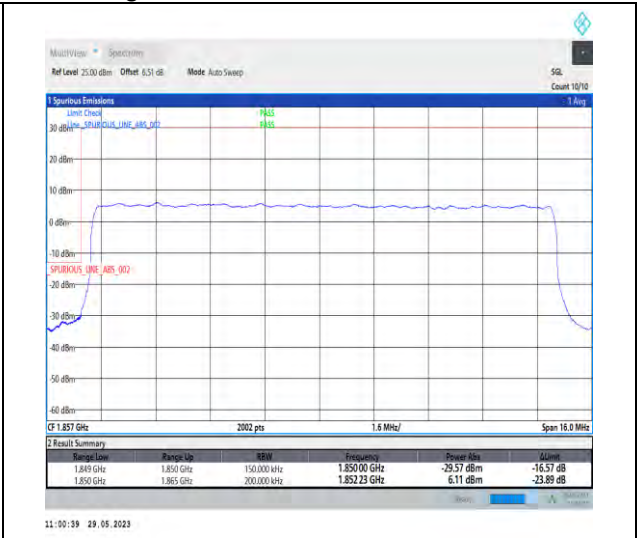


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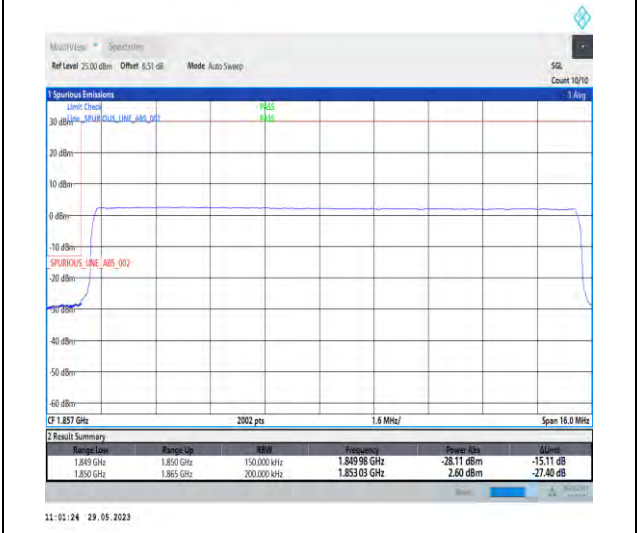
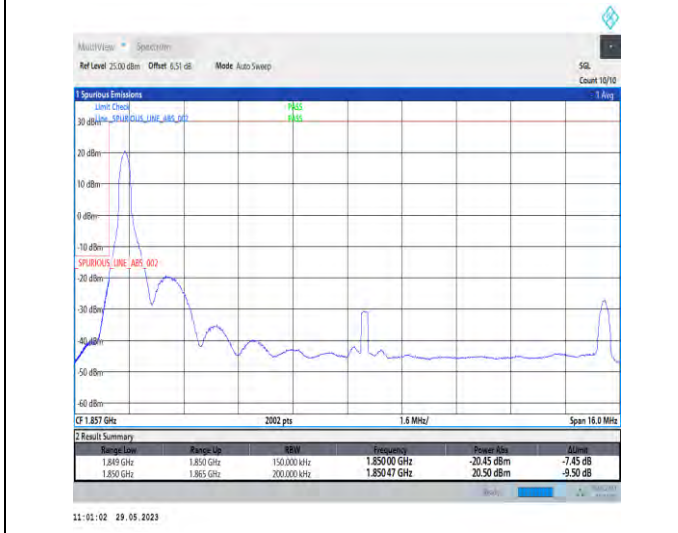
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1-N2-PC3-15-15-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1 @0-Ant1-1-seegraph-PASS-see graph

1-N2-PC3-15-15-L-3-DFT-PI2BPSK-Outer\_Full-75 @0-Ant1-1-seegraph-PASS-see graph



1-N2-PC3-15-15-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-1-seegraph-PASS-see graph

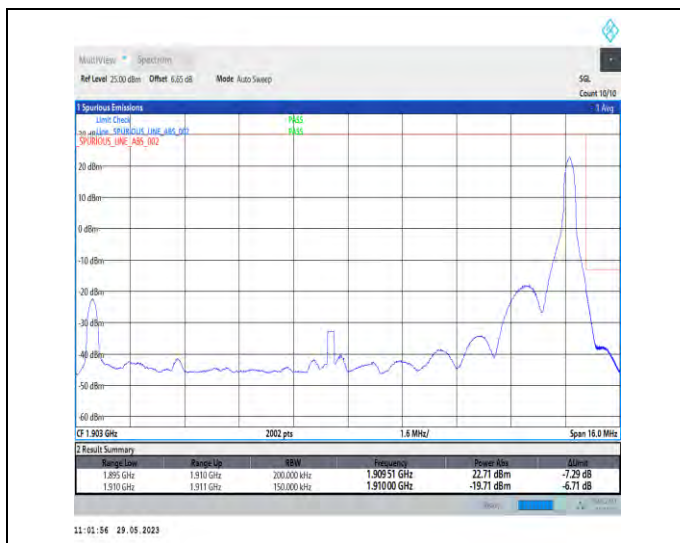
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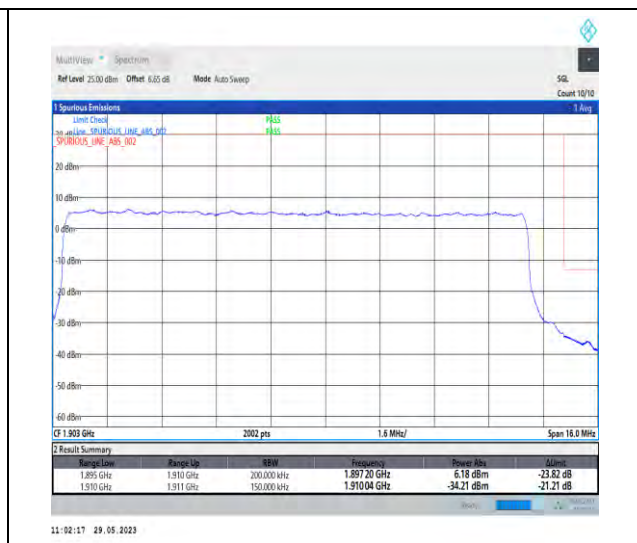
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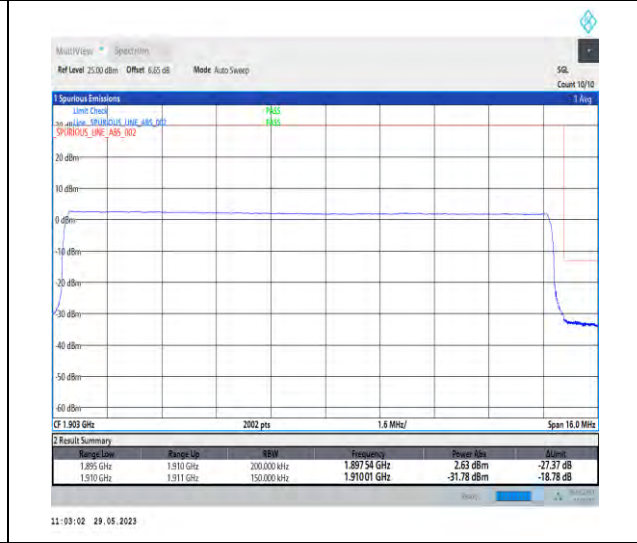
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1-N2-PC3-15-15-H-5-CP-QPSK-Edge\_1RB\_Right-1@78-Ant1-1-seegraph-PASS-see graph



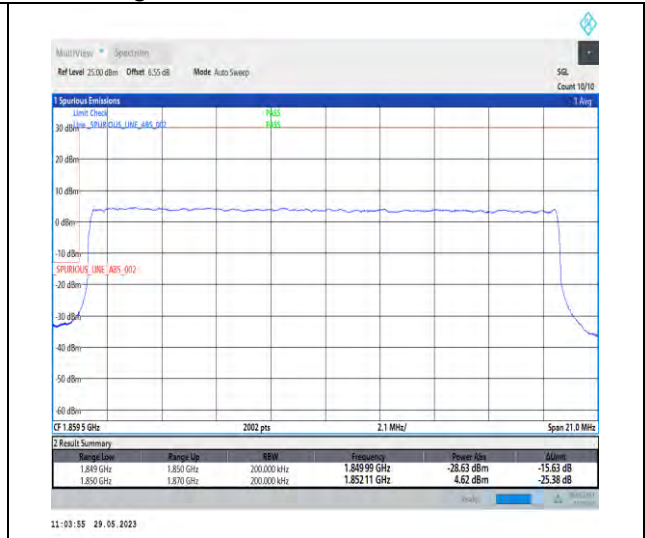
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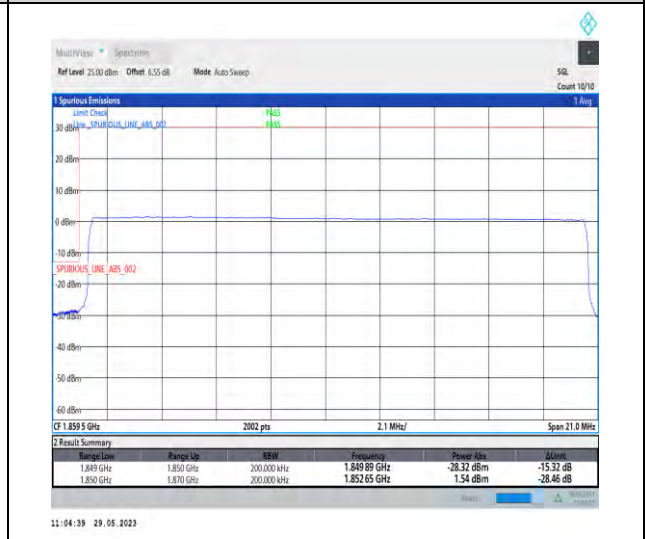
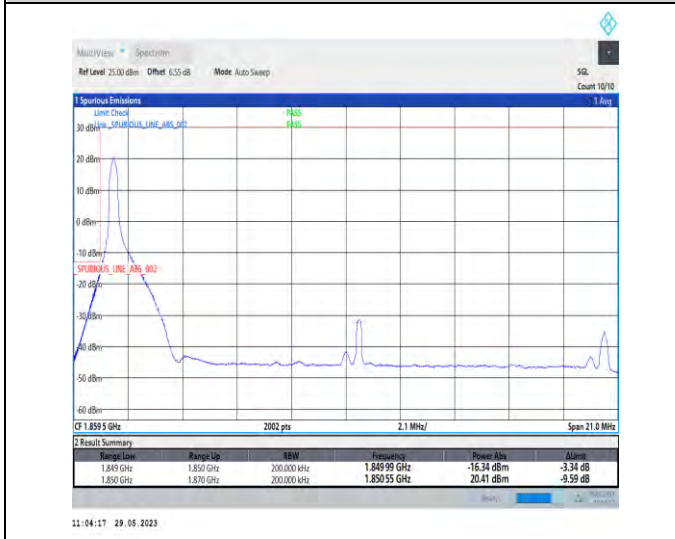
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1-N2-PC3-15-20-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1 @0-Ant1-1-seegraph-PASS-see graph

1-N2-PC3-15-20-L-3-DFT-PI2BPSK-Outer\_Full-10 @0-Ant1-1-seegraph-PASS-see graph



1-N2-PC3-15-20-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-1-seegraph-PASS-see graph

1-N2-PC3-15-20-L-6-CP-QPSK-Outer\_Full-106@0-Ant1-1-seegraph-PASS-see graph

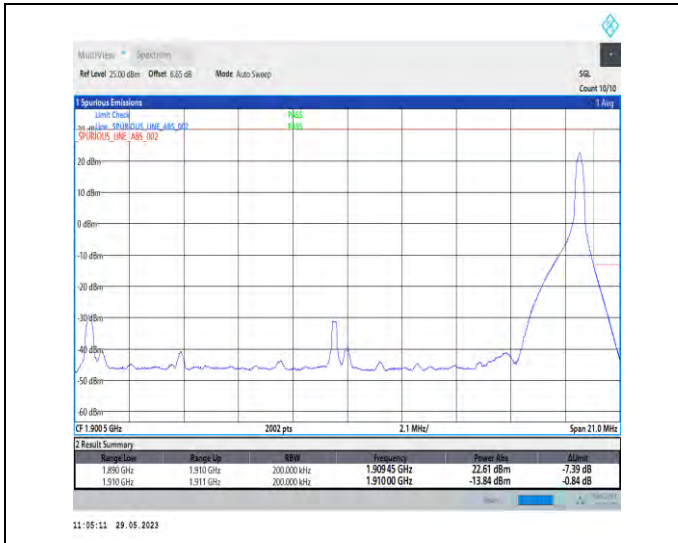


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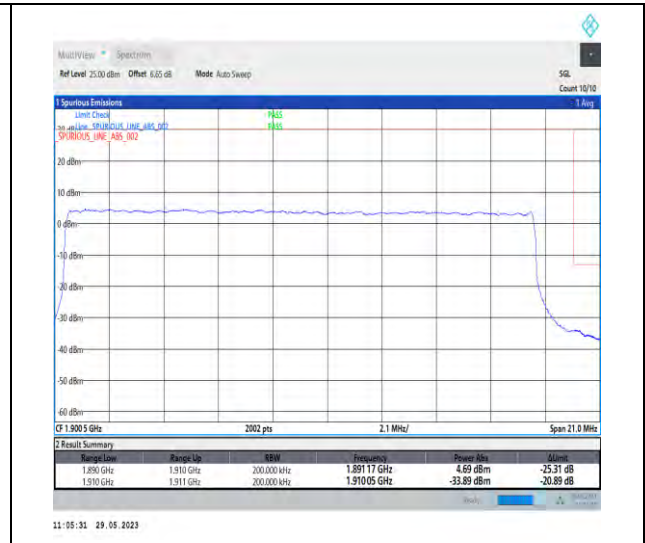
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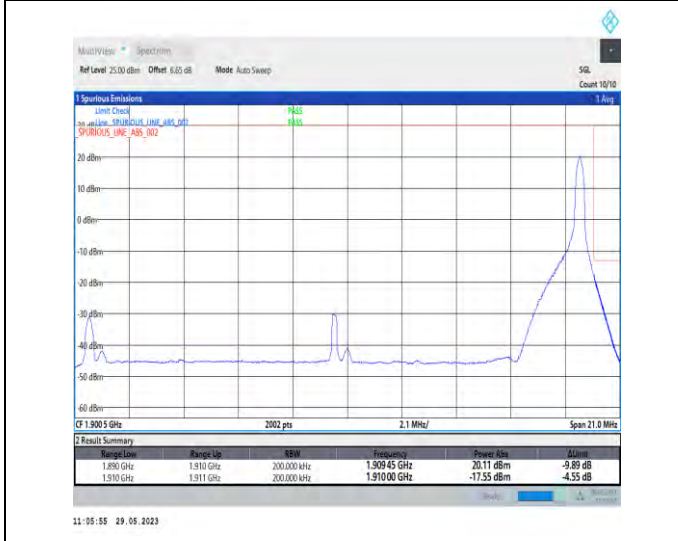
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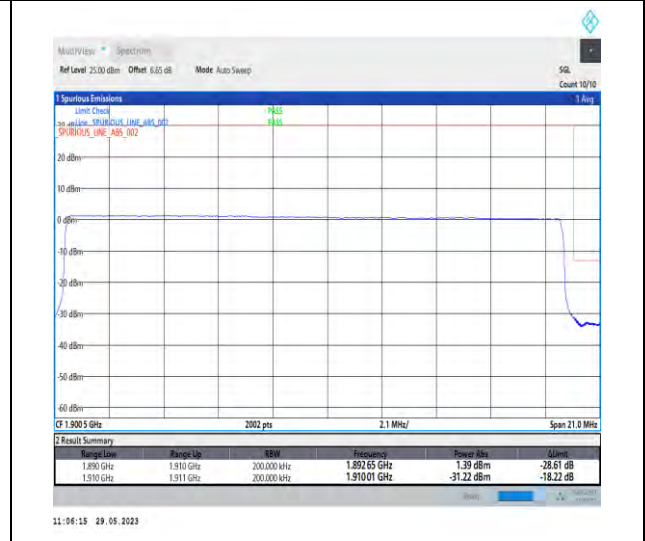
1-N2-PC3-15-20-H-2-DFT-PI2BPSK-Edge\_1RB\_Right-1@105-Ant1-1-seegraph-PASS-see graph



1-N2-PC3-15-20-H-3-DFT-PI2BPSK-Outer\_Full-100@0-Ant1-1-seegraph-PASS-see graph



1-N2-PC3-15-20-H-5-CP-QPSK-Edge\_1RB\_Right-1@105-Ant1-1-seegraph-PASS-see graph



1-N2-PC3-15-20-H-6-CP-QPSK-Outer\_Full-106@0-Ant1-1-seegraph-PASS-see graph



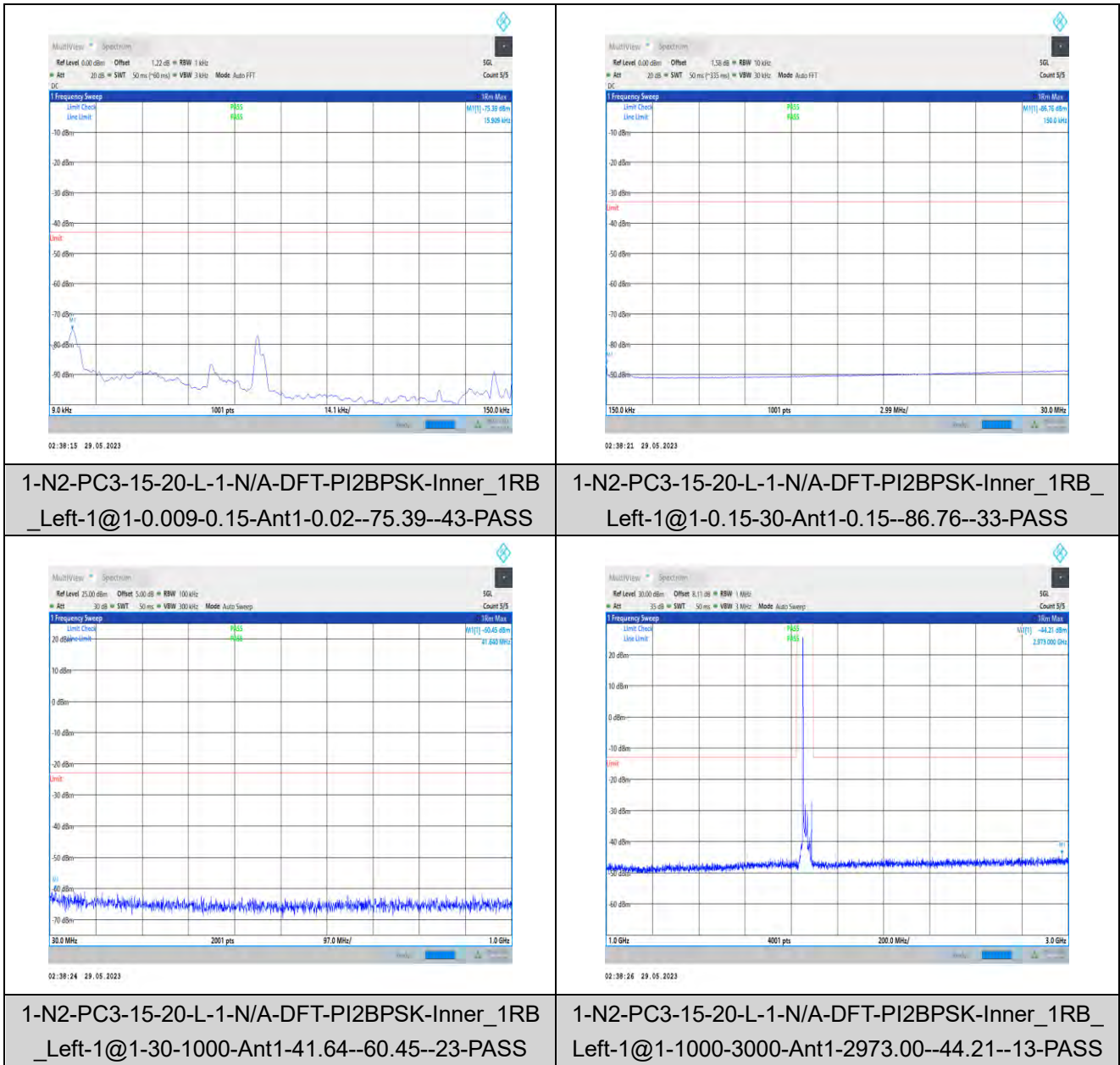
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## Conducted Spurious Emission for SA

### Test Graphs

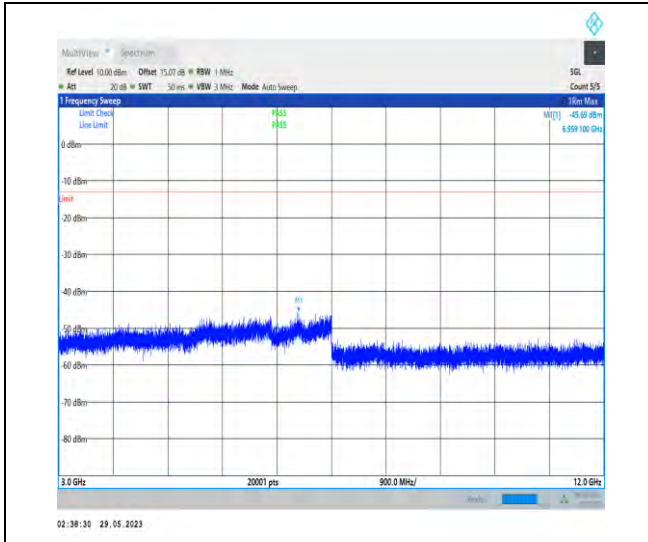


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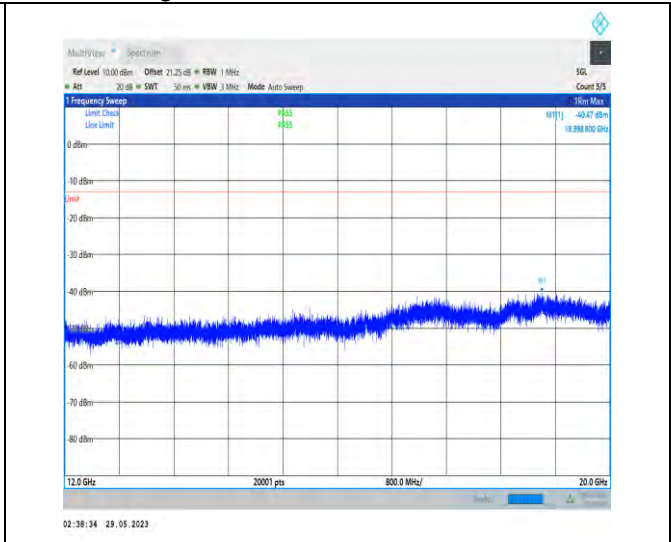
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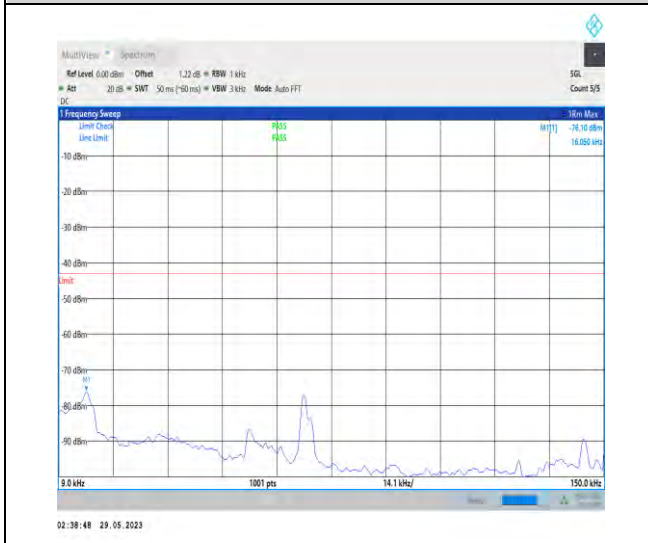
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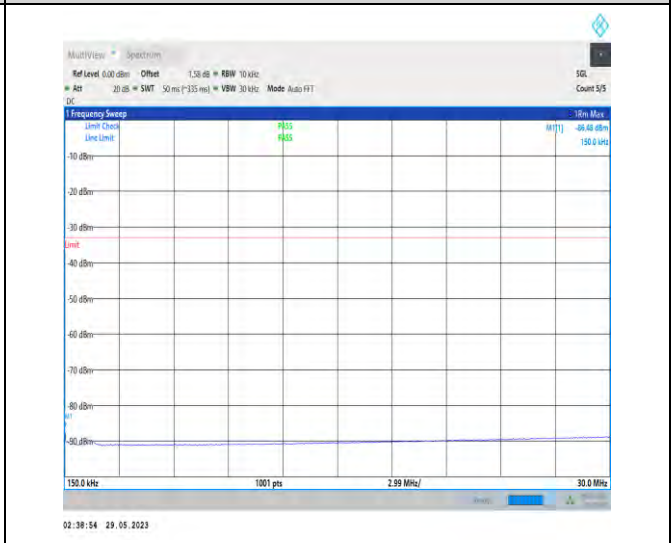
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\_Left-1@1-3000-12000-Ant1-6959.10--45.69--13-PA-SS



1-N2-PC3-15-20-L-1-N/A-DFT-PI2BPSK-Inner\_1RB  
\_Left-1@1-12000-20000-Ant1-18998.80--40.47--13-PA-SS



1-N2-PC3-15-20-M-1-N/A-DFT-PI2BPSK-Inner\_1RB  
\_Left-1@1-0.009-0.15-Ant1-0.02--76.10--43-PASS



1-N2-PC3-15-20-M-1-N/A-DFT-PI2BPSK-Inner\_1RB  
\_Left-1@1-0.15-30-Ant1-0.15--86.48--33-PASS

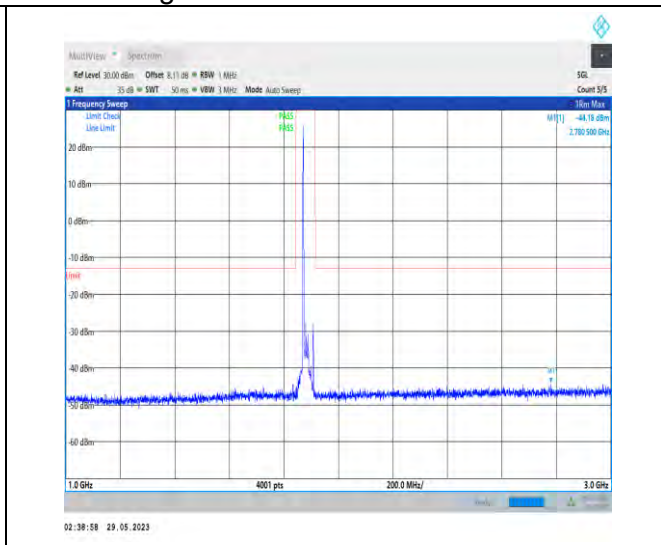
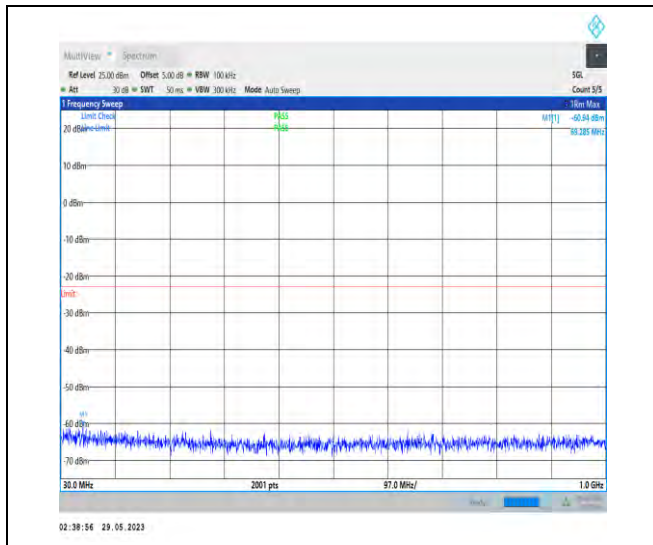


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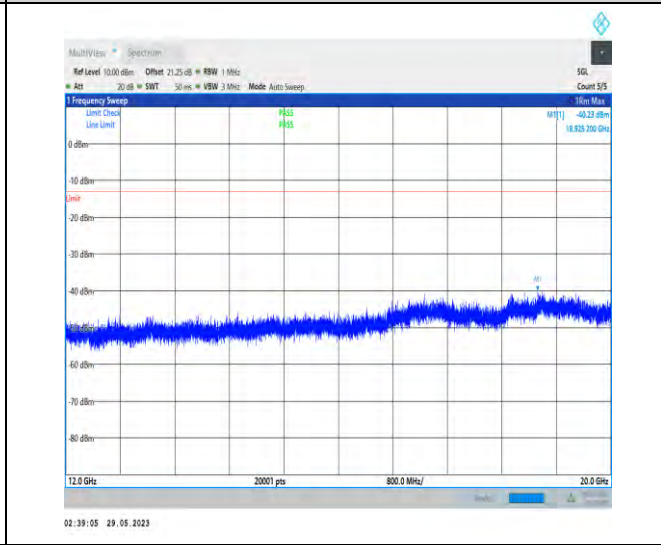
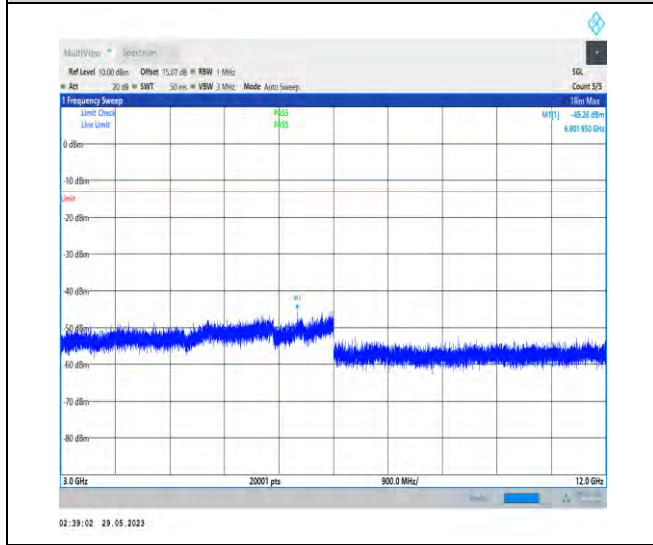
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1-N2-PC3-15-20-M-1-N/A-DFT-PI2BPSK-Inner\_1RB  
 \_Left-1@1-30-1000-Ant1-69.29--60.94--23-PASS

1-N2-PC3-15-20-M-1-N/A-DFT-PI2BPSK-Inner\_1RB  
 Left-1@1-1000-3000-Ant1-2780.50--44.18--13-PASS

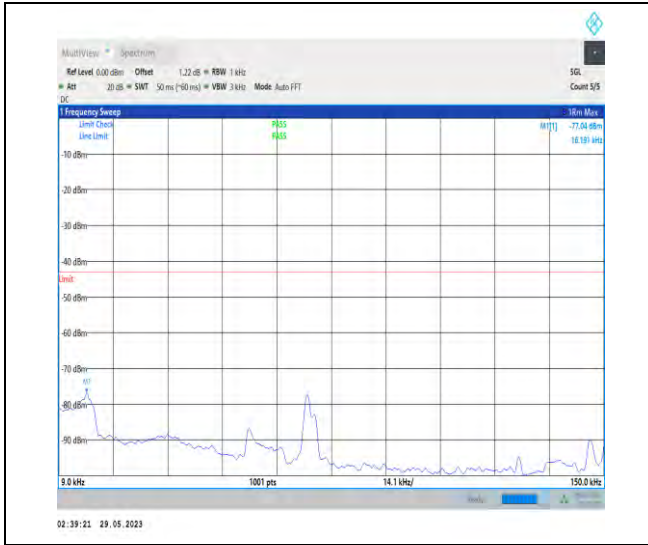


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 SS

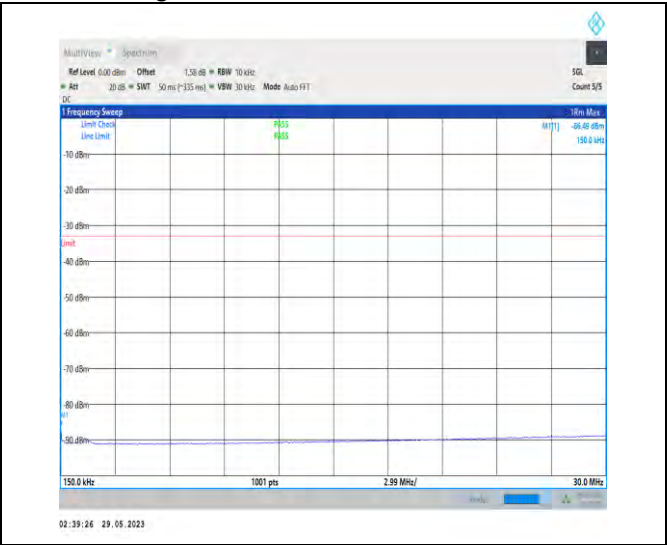
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 Left-1@1-12000-20000-Ant1-18925.20--40.23--13-PA  
 SS



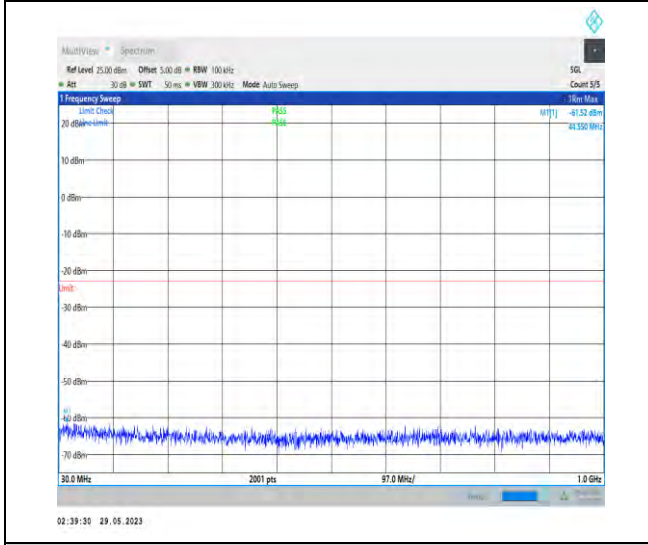




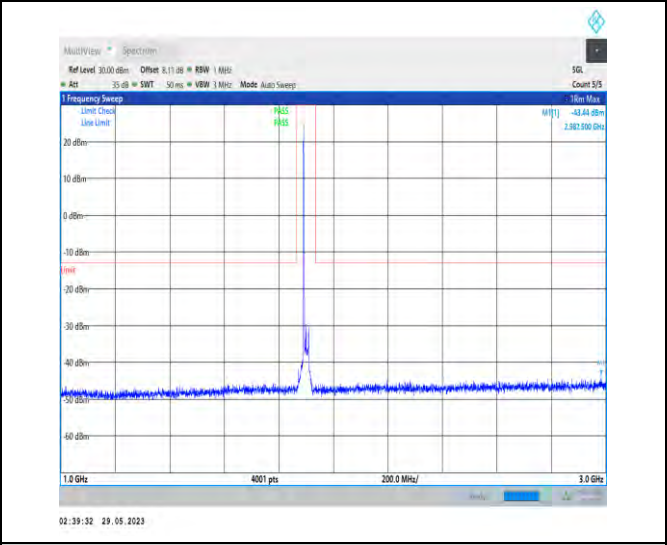
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1-N2-PC3-15-20-H-1-N/A-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-0.15-30-Ant1-0.15--86.49--33-PASS



1-N2-PC3-15-20-H-1-N/A-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-30-1000-Ant1-44.55--61.52--23-PASS



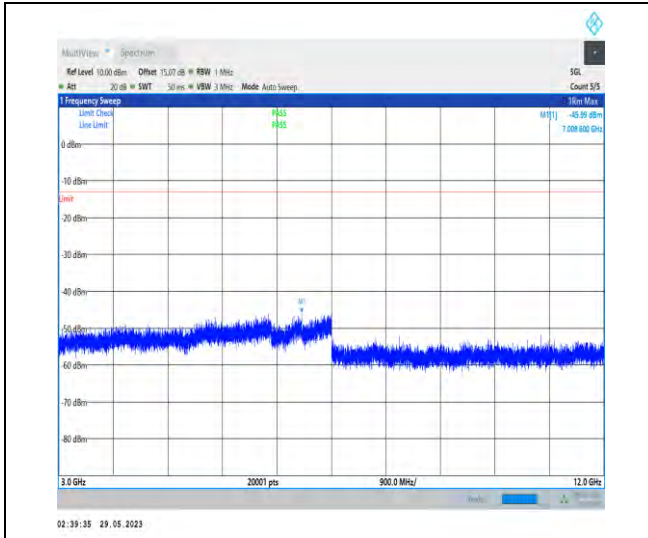
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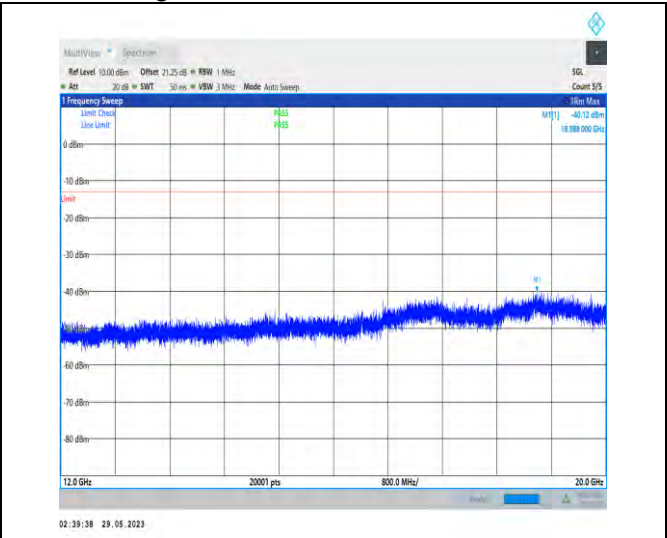
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1-N2-PC3-15-20-H-1-N/A-DFT-PI2BPSK-Inner\_1RB  
\_Left-1@1-3000-12000-Ant1-7008.60--45.99--13-PA  
SS



1-N2-PC3-15-20-H-1-N/A-DFT-PI2BPSK-Inner\_1RB  
\_Left-1@1-12000-20000-Ant1-18988.00--40.12--13-PA  
SS



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### Field Strength of Spurious Radiation

Test Band = NR Band 2\_ TM1\_Ant11

Test Channel = Low Channel\_20MHz

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702.18	42.33	-45.69	29.89	-68.74	-13.00	55.74	218	360	Horizontal
2	5553.27	40.39	-43.87	32.77	-65.97	-13.00	52.97	299	16	Horizontal
3	7404.36	37.73	-41.96	36.44	-63.05	-13.00	50.05	135	266	Horizontal
4	9255.45	32.90	-38.39	38.57	-62.18	-13.00	49.18	241	182	Horizontal
5	11106.54	32.25	-35.35	39.49	-58.87	-13.00	45.87	186	233	Horizontal
6	12957.63	33.14	-34.89	39.56	-57.46	-13.00	44.46	160	334	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702.18	42.29	-45.69	29.89	-68.78	-13.00	55.78	203	66	Vertical
2	5553.27	40.44	-43.87	32.77	-65.92	-13.00	52.92	184	237	Vertical
3	7404.36	38.84	-41.96	36.44	-61.94	-13.00	48.94	275	83	Vertical
4	9255.45	33.00	-38.39	38.57	-62.08	-13.00	49.08	193	304	Vertical
5	11106.54	31.87	-35.35	39.49	-59.25	-13.00	46.25	284	338	Vertical
6	12957.63	34.03	-34.89	39.56	-56.57	-13.00	43.57	155	154	Vertical



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Test Band = NR Band 2\_ TM1\_Ant11  
 Test Channel = Mid Channel \_20MHz

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3762	47.86	-45.53	30.03	-62.90	-13.00	49.90	258	74	Horizontal
2	5613.27	40.77	-43.84	32.96	-65.37	-13.00	52.37	149	259	Horizontal
3	7484.36	39.05	-41.66	36.49	-61.38	-13.00	48.38	266	357	Horizontal
4	9355.45	34.26	-38.26	38.56	-60.70	-13.00	47.70	243	90	Horizontal
5	11226.54	31.88	-35.07	39.37	-59.07	-13.00	46.07	271	357	Horizontal
6	13097.63	32.91	-34.47	39.66	-57.16	-13.00	44.16	280	140	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3758.25	44.98	-45.54	30.02	-65.80	-13.00	52.80	129	224	Vertical
2	5613.27	40.52	-43.84	32.96	-65.62	-13.00	52.62	206	58	Vertical
3	7484.36	38.75	-41.66	36.49	-61.68	-13.00	48.68	285	357	Vertical
4	9355.45	35.12	-38.26	38.56	-59.84	-13.00	46.84	144	345	Vertical
5	11226.54	32.15	-35.07	39.37	-58.80	-13.00	45.80	156	142	Vertical
6	13097.63	32.30	-34.47	39.66	-57.77	-13.00	44.77	293	260	Vertical



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Test Band = NR Band 2\_ TM1\_Ant11  
 Test Channel = High Channel \_20MHz

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3801.75	48.95	-45.43	30.12	-61.62	-13.00	48.62	187	13	Horizontal
2	5673.27	40.87	-43.77	33.16	-65.01	-13.00	52.01	149	178	Horizontal
3	7564.36	37.27	-41.38	36.63	-62.74	-13.00	49.74	266	27	Horizontal
4	9455.45	36.21	-38.15	38.55	-58.65	-13.00	45.65	235	194	Horizontal
5	11346.54	32.29	-35.43	39.25	-59.15	-13.00	46.15	170	111	Horizontal
6	13237.63	31.95	-34.98	39.74	-58.54	-13.00	45.54	142	1	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3801	46.60	-45.43	30.12	-63.97	-13.00	50.97	199	99	Vertical
2	5673.27	40.60	-43.77	33.16	-65.28	-13.00	52.28	287	82	Vertical
3	7564.36	36.24	-41.38	36.63	-63.77	-13.00	50.77	284	262	Vertical
4	9455.45	36.09	-38.15	38.55	-58.77	-13.00	45.77	124	246	Vertical
5	11346.54	31.48	-35.43	39.25	-59.96	-13.00	46.96	156	65	Vertical
6	13237.63	31.29	-34.98	39.74	-59.20	-13.00	46.20	287	32	Vertical



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Test Band = NR Band 2\_ TM1\_Ant13  
 Test Channel = Low Channel \_20MHz

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702.18	41.89	-45.69	29.89	-69.18	-13.00	56.18	214	266	Horizontal
2	5553.27	40.74	-43.87	32.77	-65.62	-13.00	52.62	185	234	Horizontal
3	7404.36	38.58	-41.96	36.44	-62.20	-13.00	49.20	195	355	Horizontal
4	9255.45	33.00	-38.39	38.57	-62.08	-13.00	49.08	263	167	Horizontal
5	11106.54	32.03	-35.35	39.49	-59.09	-13.00	46.09	182	234	Horizontal
6	12957.63	32.70	-34.89	39.56	-57.90	-13.00	44.90	231	266	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702.18	42.05	-45.69	29.89	-69.02	-13.00	56.02	258	233	Vertical
2	5553.27	40.99	-43.87	32.77	-65.37	-13.00	52.37	241	149	Vertical
3	7404.36	38.61	-41.96	36.44	-62.17	-13.00	49.17	196	81	Vertical
4	9255.45	33.90	-38.39	38.57	-61.18	-13.00	48.18	233	252	Vertical
5	11106.54	32.48	-35.35	39.49	-58.64	-13.00	45.64	158	233	Vertical
6	12957.63	33.40	-34.89	39.56	-57.20	-13.00	44.20	174	98	Vertical



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Test Band = NR Band 2\_ TM1\_Ant13  
 Test Channel = Mid Channel \_20MHz

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3741	57.13	-45.59	29.98	-53.74	-13.00	40.74	251	44	Horizontal
2	5613.27	41.43	-43.84	32.96	-64.71	-13.00	51.71	196	196	Horizontal
3	7484.36	39.72	-41.66	36.49	-60.71	-13.00	47.71	241	229	Horizontal
4	9355.45	34.61	-38.26	38.56	-60.35	-13.00	47.35	135	78	Horizontal
5	11226.54	32.47	-35.07	39.37	-58.48	-13.00	45.48	286	6	Horizontal
6	13097.63	32.05	-34.47	39.66	-58.02	-13.00	45.02	277	145	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3741	50.22	-45.59	29.98	-60.65	-13.00	47.65	219	106	Vertical
2	5613.27	40.90	-43.84	32.96	-65.24	-13.00	52.24	186	357	Vertical
3	7484.36	38.87	-41.66	36.49	-61.56	-13.00	48.56	234	22	Vertical
4	9355.45	35.00	-38.26	38.56	-59.96	-13.00	46.96	175	258	Vertical
5	11226.54	32.32	-35.07	39.37	-58.63	-13.00	45.63	206	357	Vertical
6	13097.63	32.64	-34.47	39.66	-57.43	-13.00	44.43	131	191	Vertical



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Test Band = NR Band 2\_ TM1\_Ant13  
 Test Channel = High Channel \_20MHz

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3782.18	41.43	-45.48	30.08	-69.23	-13.00	56.23	158	75	Horizontal
2	5673.27	40.77	-43.77	33.16	-65.11	-13.00	52.11	294	277	Horizontal
3	7564.36	36.53	-41.38	36.63	-63.48	-13.00	50.48	172	75	Horizontal
4	9455.45	36.80	-38.15	38.55	-58.06	-13.00	45.06	166	4	Horizontal
5	11346.54	31.72	-35.43	39.25	-59.72	-13.00	46.72	235	58	Horizontal
6	13237.63	32.29	-34.98	39.74	-58.20	-13.00	45.20	142	139	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3782.18	42.18	-45.48	30.08	-68.48	-13.00	55.48	259	228	Vertical
2	5673.27	40.49	-43.77	33.16	-65.39	-13.00	52.39	177	314	Vertical
3	7564.36	36.77	-41.38	36.63	-63.24	-13.00	50.24	148	16	Vertical
4	9455.45	36.48	-38.15	38.55	-58.38	-13.00	45.38	266	357	Vertical
5	11346.54	31.88	-35.43	39.25	-59.56	-13.00	46.56	132	357	Vertical
6	13237.63	31.93	-34.98	39.74	-58.56	-13.00	45.56	162	98	Vertical

Remark:

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

AF = Antenna Factor(dB/m)

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

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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## Frequency Stability for SA

### Test Result

### Frequency Error VS. Voltage

Voltage										
Band	SCS	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N2	15	20	DFT-PI2BPSK	M	Outer_Full	VH	NT	-0.300000	-0.000238	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	VN	NT	0.800000	0.000361	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	VL	NT	-0.300000	-0.000255	PASS
N2	15	20	CP-QPSK	M	Outer_Full	VH	NT	-1.800000	-0.000964	PASS
N2	15	20	CP-QPSK	M	Outer_Full	VN	NT	0.600000	0.000324	PASS
N2	15	20	CP-QPSK	M	Outer_Full	VL	NT	-3.500000	-0.001365	PASS



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Frequency Error VS. Temperature

Temperature										
Band	SCS	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-30	-3.200000	-0.002365	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-20	-4.300000	-0.004126	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-10	-3.700000	-0.006354	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	0	-2.600000	-0.002158	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	10	-4.500000	-0.002234	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	20	-3.600000	-0.001865	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	30	-2.900000	-0.001487	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	40	-0.700000	-0.000635	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	50	-3.200000	-0.002357	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	-30	-0.600000	-0.000635	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	-20	0.700000	0.000423	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	-10	-2.500000	-0.003652	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	0	-2.600000	-0.002135	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	10	-3.200000	-0.004125	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	20	-1.600000	-0.000635	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	30	-3.700000	-0.006347	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	40	-4.500000	-0.002168	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	50	0.300000	0.000327	PASS

---End of Attachment---



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