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Appendix B.19

NR Band n38



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Effective (Isotropic) Radiated Power Output Data for SA

Test Result

Ant0:

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	EIRP (dBm)	Limit	Verdict
N38	30	20	DFT-PI2BPSK	L	Inner_1RB_Left	24.01	24.71	33.00	PASS
N38	30	20	DFT-PI2BPSK	L	Inner_1RB_Right	24.23	24.93	33.00	PASS
N38	30	20	DFT-PI2BPSK	L	Outer_Full	24.19	24.89	33.00	PASS
N38	30	20	DFT-QPSK	L	Inner_1RB_Left	23.83	24.53	33.00	PASS
N38	30	20	DFT-QPSK	L	Inner_1RB_Right	24.02	24.72	33.00	PASS
N38	30	20	DFT-QPSK	L	Outer_Full	23.96	24.66	33.00	PASS
N38	30	20	DFT-16QAM	L	Inner_1RB_Left	23.82	24.52	33.00	PASS
N38	30	20	DFT-16QAM	L	Inner_1RB_Right	24.06	24.76	33.00	PASS
N38	30	20	DFT-16QAM	L	Outer_Full	22.98	23.68	33.00	PASS
N38	30	20	DFT-64QAM	L	Inner_1RB_Left	22.30	23.00	33.00	PASS
N38	30	20	DFT-64QAM	L	Inner_1RB_Right	22.59	23.29	33.00	PASS
N38	30	20	DFT-64QAM	L	Outer_Full	22.28	22.98	33.00	PASS
N38	30	20	DFT-256QAM	L	Inner_1RB_Left	20.26	20.96	33.00	PASS
N38	30	20	DFT-256QAM	L	Inner_1RB_Right	20.53	21.23	33.00	PASS
N38	30	20	DFT-256QAM	L	Outer_Full	20.37	21.07	33.00	PASS
N38	30	20	DFT-PI2BPSK	M	Inner_1RB_Left	23.80	24.50	33.00	PASS
N38	30	20	DFT-PI2BPSK	M	Inner_1RB_Right	24.22	24.92	33.00	PASS
N38	30	20	DFT-PI2BPSK	M	Outer_Full	24.17	24.87	33.00	PASS
N38	30	20	DFT-QPSK	M	Inner_1RB_Left	23.91	24.61	33.00	PASS
N38	30	20	DFT-QPSK	M	Inner_1RB_Right	24.21	24.91	33.00	PASS
N38	30	20	DFT-QPSK	M	Outer_Full	24.25	24.95	33.00	PASS
N38	30	20	DFT-16QAM	M	Inner_1RB_Left	23.89	24.59	33.00	PASS
N38	30	20	DFT-16QAM	M	Inner_1RB_Right	24.38	25.08	33.00	PASS
N38	30	20	DFT-16QAM	M	Outer_Full	23.01	23.71	33.00	PASS
N38	30	20	DFT-64QAM	M	Inner_1RB_Left	22.10	22.80	33.00	PASS
N38	30	20	DFT-64QAM	M	Inner_1RB_Right	22.66	23.36	33.00	PASS
N38	30	20	DFT-64QAM	M	Outer_Full	22.73	23.43	33.00	PASS
N38	30	20	DFT-256QAM	M	Inner_1RB_Left	20.28	20.98	33.00	PASS
N38	30	20	DFT-256QAM	M	Inner_1RB_Right	20.31	21.01	33.00	PASS
N38	30	20	DFT-256QAM	M	Outer_Full	20.26	20.96	33.00	PASS
N38	30	20	DFT-PI2BPSK	H	Inner_1RB_Left	24.01	24.71	33.00	PASS



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N38	30	20	DFT-PI2BPSK	H	Inner_1RB_Right	24.06	24.76	33.00	PASS
N38	30	20	DFT-PI2BPSK	H	Outer_Full	24.13	24.83	33.00	PASS
N38	30	20	DFT-QPSK	H	Inner_1RB_Left	23.90	24.60	33.00	PASS
N38	30	20	DFT-QPSK	H	Inner_1RB_Right	24.19	24.89	33.00	PASS
N38	30	20	DFT-QPSK	H	Outer_Full	24.26	24.96	33.00	PASS
N38	30	20	DFT-16QAM	H	Inner_1RB_Left	24.03	24.73	33.00	PASS
N38	30	20	DFT-16QAM	H	Inner_1RB_Right	23.86	24.56	33.00	PASS
N38	30	20	DFT-16QAM	H	Outer_Full	23.71	24.41	33.00	PASS
N38	30	20	DFT-64QAM	H	Inner_1RB_Left	22.56	23.26	33.00	PASS
N38	30	20	DFT-64QAM	H	Inner_1RB_Right	22.24	22.94	33.00	PASS
N38	30	20	DFT-64QAM	H	Outer_Full	22.49	23.19	33.00	PASS
N38	30	20	DFT-256QAM	H	Inner_1RB_Left	20.30	21.00	33.00	PASS
N38	30	20	DFT-256QAM	H	Inner_1RB_Right	20.47	21.17	33.00	PASS
N38	30	20	DFT-256QAM	H	Outer_Full	20.76	21.46	33.00	PASS
N38	30	30	DFT-PI2BPSK	L	Inner_1RB_Left	24.14	24.84	33.00	PASS
N38	30	30	DFT-PI2BPSK	L	Inner_1RB_Right	24.44	25.14	33.00	PASS
N38	30	30	DFT-PI2BPSK	L	Outer_Full	23.83	24.53	33.00	PASS
N38	30	30	DFT-QPSK	L	Inner_1RB_Left	23.95	24.65	33.00	PASS
N38	30	30	DFT-QPSK	L	Inner_1RB_Right	24.47	25.17	33.00	PASS
N38	30	30	DFT-QPSK	L	Outer_Full	23.91	24.61	33.00	PASS
N38	30	30	DFT-16QAM	L	Inner_1RB_Left	24.28	24.98	33.00	PASS
N38	30	30	DFT-16QAM	L	Inner_1RB_Right	24.28	24.98	33.00	PASS
N38	30	30	DFT-16QAM	L	Outer_Full	23.13	23.83	33.00	PASS
N38	30	30	DFT-64QAM	L	Inner_1RB_Left	22.61	23.31	33.00	PASS
N38	30	30	DFT-64QAM	L	Inner_1RB_Right	23.06	23.76	33.00	PASS
N38	30	30	DFT-64QAM	L	Outer_Full	22.58	23.28	33.00	PASS
N38	30	30	DFT-256QAM	L	Inner_1RB_Left	20.22	20.92	33.00	PASS
N38	30	30	DFT-256QAM	L	Inner_1RB_Right	20.39	21.09	33.00	PASS
N38	30	30	DFT-256QAM	L	Outer_Full	20.56	21.26	33.00	PASS
N38	30	30	DFT-PI2BPSK	M	Inner_1RB_Left	23.99	24.69	33.00	PASS
N38	30	30	DFT-PI2BPSK	M	Inner_1RB_Right	24.05	24.75	33.00	PASS
N38	30	30	DFT-PI2BPSK	M	Outer_Full	24.22	24.92	33.00	PASS
N38	30	30	DFT-QPSK	M	Inner_1RB_Left	23.89	24.59	33.00	PASS
N38	30	30	DFT-QPSK	M	Inner_1RB_Right	24.36	25.06	33.00	PASS
N38	30	30	DFT-QPSK	M	Outer_Full	24.22	24.92	33.00	PASS
N38	30	30	DFT-16QAM	M	Inner_1RB_Left	23.97	24.67	33.00	PASS
N38	30	30	DFT-16QAM	M	Inner_1RB_Right	24.21	24.91	33.00	PASS



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N38	30	30	DFT-16QAM	M	Outer_Full	23.24	23.94	33.00	PASS
N38	30	30	DFT-64QAM	M	Inner_1RB_Left	22.38	23.08	33.00	PASS
N38	30	30	DFT-64QAM	M	Inner_1RB_Right	22.80	23.50	33.00	PASS
N38	30	30	DFT-64QAM	M	Outer_Full	22.76	23.46	33.00	PASS
N38	30	30	DFT-256QAM	M	Inner_1RB_Left	20.18	20.88	33.00	PASS
N38	30	30	DFT-256QAM	M	Inner_1RB_Right	20.88	21.58	33.00	PASS
N38	30	30	DFT-256QAM	M	Outer_Full	20.59	21.29	33.00	PASS
N38	30	30	DFT-PI2BPSK	H	Inner_1RB_Left	24.25	24.95	33.00	PASS
N38	30	30	DFT-PI2BPSK	H	Inner_1RB_Right	24.44	25.14	33.00	PASS
N38	30	30	DFT-PI2BPSK	H	Outer_Full	24.14	24.84	33.00	PASS
N38	30	30	DFT-QPSK	H	Inner_1RB_Left	24.17	24.87	33.00	PASS
N38	30	30	DFT-QPSK	H	Inner_1RB_Right	24.35	25.05	33.00	PASS
N38	30	30	DFT-QPSK	H	Outer_Full	24.32	25.02	33.00	PASS
N38	30	30	DFT-16QAM	H	Inner_1RB_Left	23.87	24.57	33.00	PASS
N38	30	30	DFT-16QAM	H	Inner_1RB_Right	23.64	24.34	33.00	PASS
N38	30	30	DFT-16QAM	H	Outer_Full	23.69	24.39	33.00	PASS
N38	30	30	DFT-64QAM	H	Inner_1RB_Left	22.53	23.23	33.00	PASS
N38	30	30	DFT-64QAM	H	Inner_1RB_Right	22.47	23.17	33.00	PASS
N38	30	30	DFT-64QAM	H	Outer_Full	22.16	22.86	33.00	PASS
N38	30	30	DFT-256QAM	H	Inner_1RB_Left	20.68	21.38	33.00	PASS
N38	30	30	DFT-256QAM	H	Inner_1RB_Right	20.45	21.15	33.00	PASS
N38	30	30	DFT-256QAM	H	Outer_Full	20.82	21.52	33.00	PASS
N38	30	40	DFT-PI2BPSK	L	Inner_1RB_Left	23.90	24.60	33.00	PASS
N38	30	40	DFT-PI2BPSK	L	Inner_1RB_Right	24.13	24.83	33.00	PASS
N38	30	40	DFT-PI2BPSK	L	Outer_Full	24.12	24.82	33.00	PASS
N38	30	40	DFT-QPSK	L	Inner_1RB_Left	24.12	24.82	33.00	PASS
N38	30	40	DFT-QPSK	L	Inner_1RB_Right	24.23	24.93	33.00	PASS
N38	30	40	DFT-QPSK	L	Outer_Full	23.94	24.64	33.00	PASS
N38	30	40	DFT-16QAM	L	Inner_1RB_Left	24.11	24.81	33.00	PASS
N38	30	40	DFT-16QAM	L	Inner_1RB_Right	24.40	25.10	33.00	PASS
N38	30	40	DFT-16QAM	L	Outer_Full	23.16	23.86	33.00	PASS
N38	30	40	DFT-64QAM	L	Inner_1RB_Left	22.55	23.25	33.00	PASS
N38	30	40	DFT-64QAM	L	Inner_1RB_Right	22.84	23.54	33.00	PASS
N38	30	40	DFT-64QAM	L	Outer_Full	22.68	23.38	33.00	PASS
N38	30	40	DFT-256QAM	L	Inner_1RB_Left	20.38	21.08	33.00	PASS
N38	30	40	DFT-256QAM	L	Inner_1RB_Right	20.79	21.49	33.00	PASS
N38	30	40	DFT-256QAM	L	Outer_Full	20.39	21.09	33.00	PASS



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N38	30	40	DFT-PI2BPSK	M	Inner_1RB_Left	24.02	24.72	33.00	PASS
N38	30	40	DFT-PI2BPSK	M	Inner_1RB_Right	23.98	24.68	33.00	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	23.93	24.63	33.00	PASS
N38	30	40	DFT-QPSK	M	Inner_1RB_Left	24.07	24.77	33.00	PASS
N38	30	40	DFT-QPSK	M	Inner_1RB_Right	24.43	25.13	33.00	PASS
N38	30	40	DFT-QPSK	M	Outer_Full	24.20	24.90	33.00	PASS
N38	30	40	DFT-16QAM	M	Inner_1RB_Left	24.24	24.94	33.00	PASS
N38	30	40	DFT-16QAM	M	Inner_1RB_Right	24.51	25.21	33.00	PASS
N38	30	40	DFT-16QAM	M	Outer_Full	23.14	23.84	33.00	PASS
N38	30	40	DFT-64QAM	M	Inner_1RB_Left	22.44	23.14	33.00	PASS
N38	30	40	DFT-64QAM	M	Inner_1RB_Right	22.66	23.36	33.00	PASS
N38	30	40	DFT-64QAM	M	Outer_Full	22.67	23.37	33.00	PASS
N38	30	40	DFT-256QAM	M	Inner_1RB_Left	20.43	21.13	33.00	PASS
N38	30	40	DFT-256QAM	M	Inner_1RB_Right	20.77	21.47	33.00	PASS
N38	30	40	DFT-256QAM	M	Outer_Full	20.68	21.38	33.00	PASS
N38	30	40	DFT-PI2BPSK	H	Inner_1RB_Left	23.90	24.60	33.00	PASS
N38	30	40	DFT-PI2BPSK	H	Inner_1RB_Right	24.27	24.97	33.00	PASS
N38	30	40	DFT-PI2BPSK	H	Outer_Full	24.36	25.06	33.00	PASS
N38	30	40	DFT-QPSK	H	Inner_1RB_Left	23.90	24.60	33.00	PASS
N38	30	40	DFT-QPSK	H	Inner_1RB_Right	24.39	25.09	33.00	PASS
N38	30	40	DFT-QPSK	H	Outer_Full	24.27	24.97	33.00	PASS
N38	30	40	DFT-16QAM	H	Inner_1RB_Left	24.25	24.95	33.00	PASS
N38	30	40	DFT-16QAM	H	Inner_1RB_Right	24.39	25.09	33.00	PASS
N38	30	40	DFT-16QAM	H	Outer_Full	23.14	23.84	33.00	PASS
N38	30	40	DFT-64QAM	H	Inner_1RB_Left	22.52	23.22	33.00	PASS
N38	30	40	DFT-64QAM	H	Inner_1RB_Right	22.99	23.69	33.00	PASS
N38	30	40	DFT-64QAM	H	Outer_Full	22.64	23.34	33.00	PASS
N38	30	40	DFT-256QAM	H	Inner_1RB_Left	20.37	21.07	33.00	PASS
N38	30	40	DFT-256QAM	H	Inner_1RB_Right	20.78	21.48	33.00	PASS
N38	30	40	DFT-256QAM	H	Outer_Full	20.39	21.09	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
N38	30	40	DFT-256QAM	L	Outer_Full	100%	0.00	9.82	≤13	PASS
N38	30	40	CP-256QAM	L	Outer_Full	100%	0.00	9.61	≤13	PASS
N38	30	40	DFT-256QAM	M	Outer_Full	100%	0.00	9.78	≤13	PASS
N38	30	40	CP-256QAM	M	Outer_Full	100%	0.00	9.97	≤13	PASS
N38	30	40	DFT-256QAM	H	Outer_Full	100%	0.00	9.29	≤13	PASS
N38	30	40	CP-256QAM	H	Outer_Full	100%	0.00	9.42	≤13	PASS



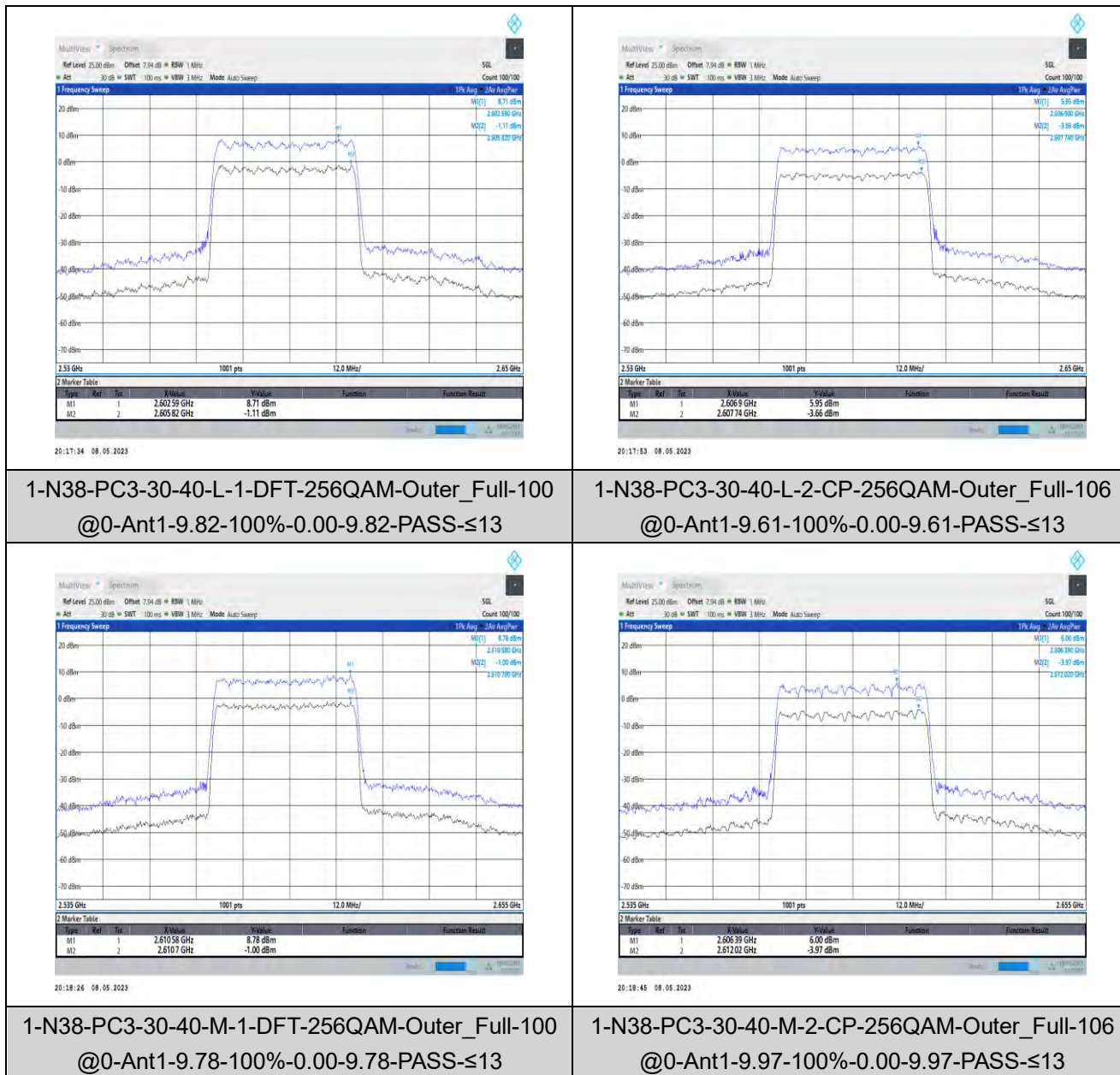
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Test Graphs



1-N38-PC3-30-40-L-1-DFT-256QAM-Outer_Full-100
 @0-Ant1-9.82-100%-0.00-9.82-PASS-≤13

1-N38-PC3-30-40-L-2-CP-256QAM-Outer_Full-106
 @0-Ant1-9.61-100%-0.00-9.61-PASS-≤13

1-N38-PC3-30-40-M-1-DFT-256QAM-Outer_Full-100
 @0-Ant1-9.78-100%-0.00-9.78-PASS-≤13

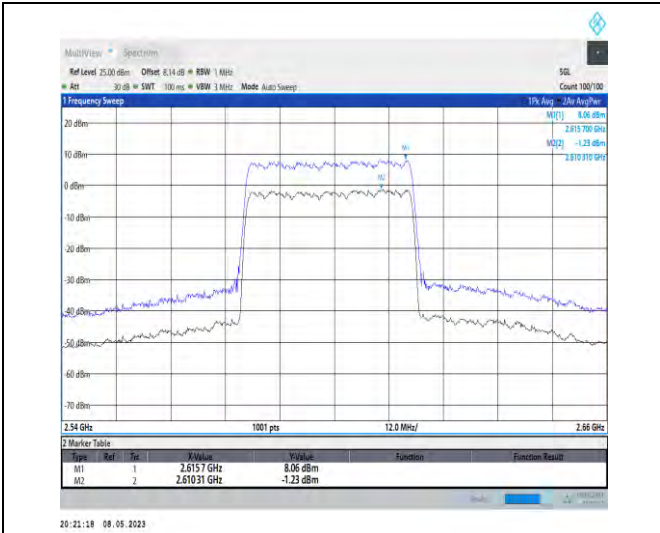
1-N38-PC3-30-40-M-2-CP-256QAM-Outer_Full-106
 @0-Ant1-9.97-100%-0.00-9.97-PASS-≤13



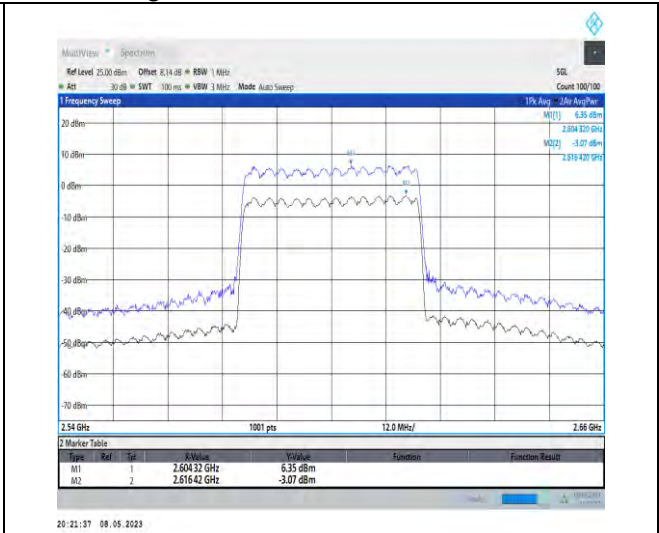
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1-N38-PC3-30-40-H-1-DFT-256QAM-Outer_Full-100
@0-Ant1-9.29-100%-0.00-9.29-PASS-≤13



1-N38-PC3-30-40-H-2-CP-256QAM-Outer_Full-106
@0-Ant1-9.42-100%-0.00-9.42-PASS-≤13



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Modulation characteristics for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N38	30	40	DFT-PI2BPSK	M	Outer_Full	see graph	PASS
N38	30	40	DFT-QPSK	M	Outer_Full	see graph	PASS
N38	30	40	DFT-16QAM	M	Outer_Full	see graph	PASS
N38	30	40	DFT-64QAM	M	Outer_Full	see graph	PASS
N38	30	40	DFT-256QAM	M	Outer_Full	see graph	PASS
N38	30	40	CP-QPSK	M	Outer_Full	see graph	PASS
N38	30	40	CP-16QAM	M	Outer_Full	see graph	PASS
N38	30	40	CP-64QAM	M	Outer_Full	see graph	PASS
N38	30	40	CP-256QAM	M	Outer_Full	see graph	PASS



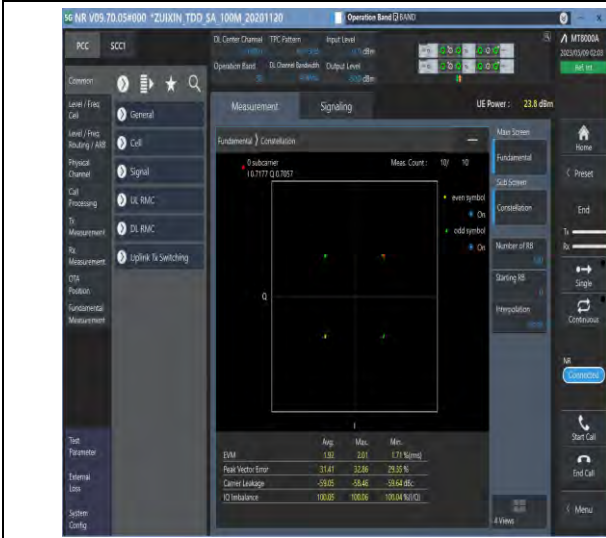
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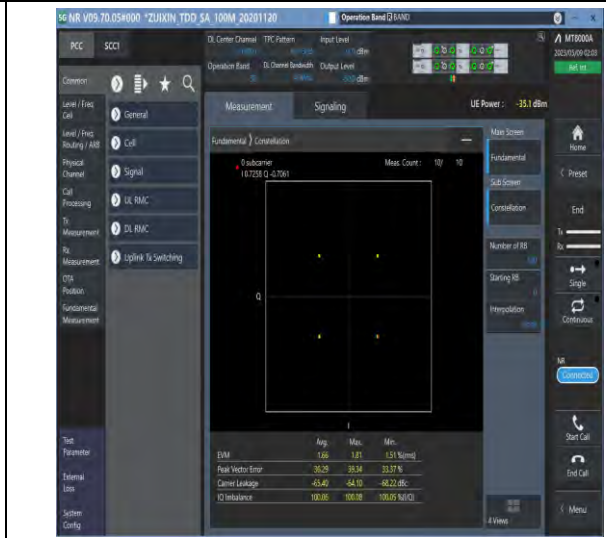
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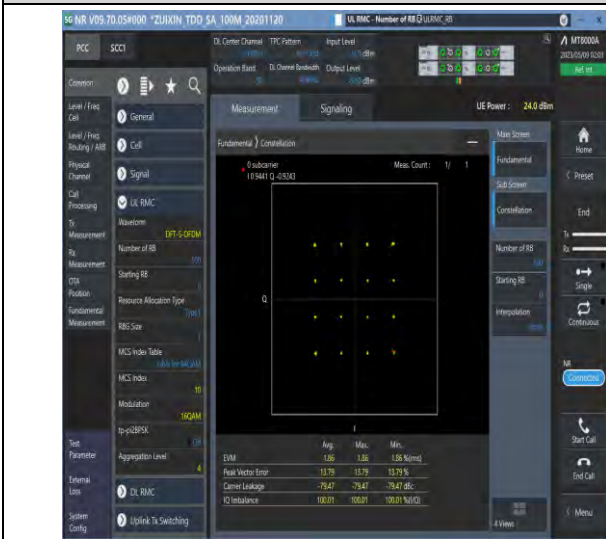
Test Graphs



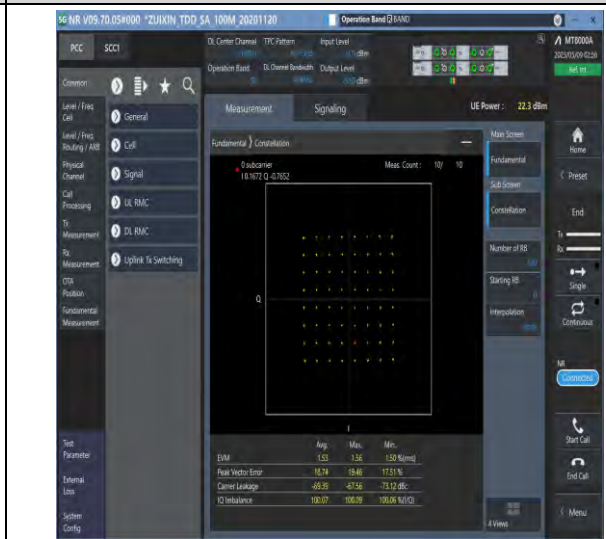
1-N38-PC3-30-40-M-1-DFT-PI2BPSK-Outer_Full-100
@0-Ant1-see graph-PASS



1-N38-PC3-30-40-M-2-DFT-QPSK-Outer_Full-100
@0-Ant1-see graph-PASS



1-N38-PC3-30-40-M-3-DFT-16QAM-Outer_Full-100
@0-Ant1-see graph-PASS

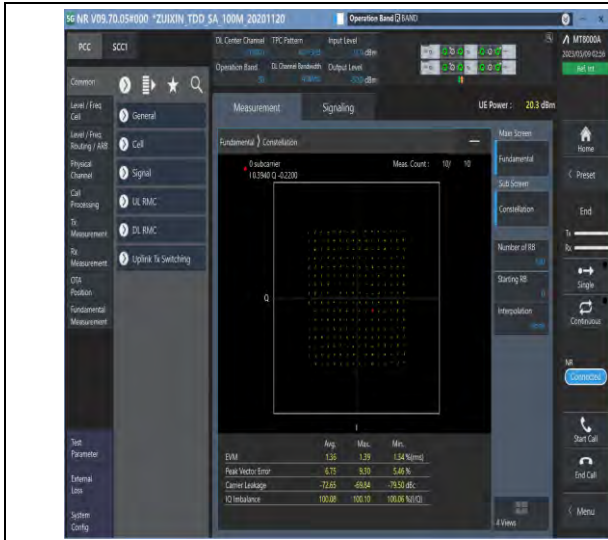


1-N38-PC3-30-40-M-4-DFT-64QAM-Outer_Full-100
@0-Ant1-see graph-PASS

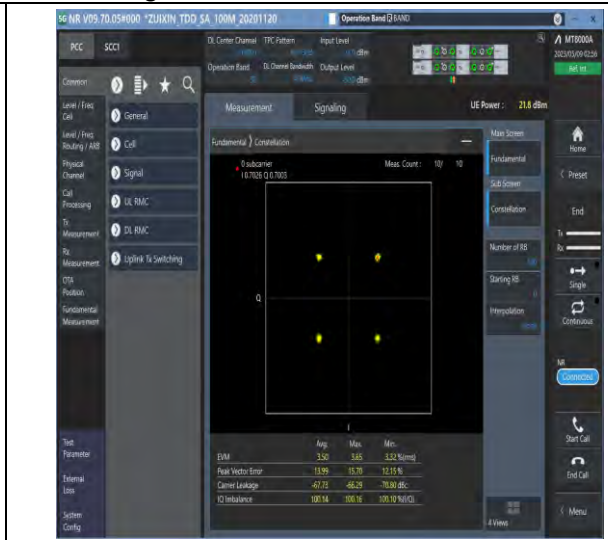


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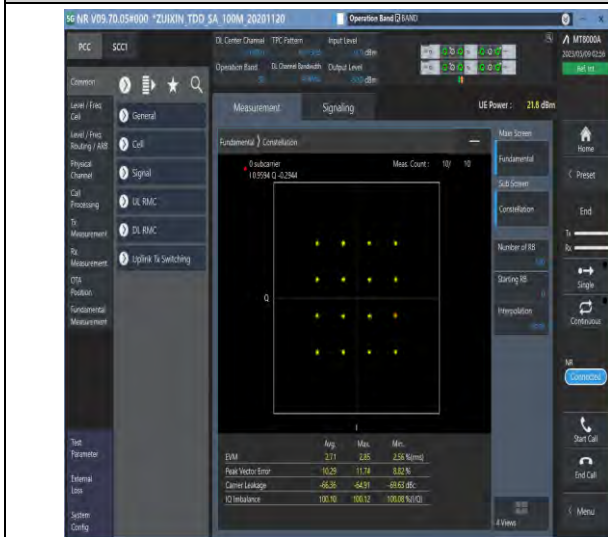
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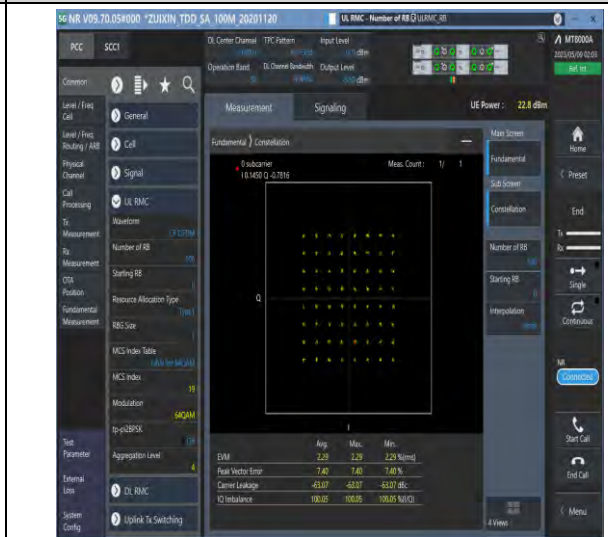
1-N38-PC3-30-40-M-5-DFT-256QAM-Outer_Full-100 @0-Ant1-see graph-PASS



1-N38-PC3-30-40-M-6-CP-QPSK-Outer_Full-106@0-Ant1-see graph-PASS



1-N38-PC3-30-40-M-7-CP-16QAM-Outer_Full-106@0-Ant1-see graph-PASS



1-N38-PC3-30-40-M-8-CP-64QAM-Outer_Full-106@0-Ant1-see graph-PASS



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<p>1-N38-PC3-30-40-M-9-CP-256QAM-Outer_Full-106 @0-Ant1-see graph-PASS</p>	



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26dB Bandwidth and Occupied Bandwidth for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N38	30	20	DFT-QPSK	L	Outer_Full	17.871	18.600	PASS
N38	30	20	DFT-PI2BPSK	L	Outer_Full	17.778	18.920	PASS
N38	30	20	DFT-16QAM	L	Outer_Full	17.829	18.880	PASS
N38	30	20	DFT-64QAM	L	Outer_Full	17.792	18.600	PASS
N38	30	20	DFT-256QAM	L	Outer_Full	17.949	19.240	PASS
N38	30	20	CP-QPSK	L	Outer_Full	18.187	19.520	PASS
N38	30	20	CP-16QAM	L	Outer_Full	18.258	20.040	PASS
N38	30	20	CP-64QAM	L	Outer_Full	18.135	19.240	PASS
N38	30	20	CP-256QAM	L	Outer_Full	18.224	19.720	PASS
N38	30	20	DFT-QPSK	M	Outer_Full	17.936	19.040	PASS
N38	30	20	DFT-PI2BPSK	M	Outer_Full	17.813	19.600	PASS
N38	30	20	DFT-16QAM	M	Outer_Full	17.884	19.120	PASS
N38	30	20	DFT-64QAM	M	Outer_Full	17.802	19.000	PASS
N38	30	20	DFT-256QAM	M	Outer_Full	17.862	19.520	PASS
N38	30	20	CP-QPSK	M	Outer_Full	18.254	19.840	PASS
N38	30	20	CP-16QAM	M	Outer_Full	18.228	20.360	PASS
N38	30	20	CP-64QAM	M	Outer_Full	18.266	19.440	PASS
N38	30	20	CP-256QAM	M	Outer_Full	18.273	19.720	PASS
N38	30	20	DFT-QPSK	H	Outer_Full	17.876	19.400	PASS
N38	30	20	DFT-PI2BPSK	H	Outer_Full	17.874	18.640	PASS
N38	30	20	DFT-16QAM	H	Outer_Full	17.854	18.840	PASS
N38	30	20	DFT-64QAM	H	Outer_Full	17.929	18.720	PASS
N38	30	20	DFT-256QAM	H	Outer_Full	17.892	19.000	PASS
N38	30	20	CP-QPSK	H	Outer_Full	18.229	19.520	PASS
N38	30	20	CP-16QAM	H	Outer_Full	18.261	19.440	PASS
N38	30	20	CP-64QAM	H	Outer_Full	18.207	19.440	PASS
N38	30	20	CP-256QAM	H	Outer_Full	18.219	19.880	PASS
N38	30	30	DFT-QPSK	L	Outer_Full	26.801	28.140	PASS
N38	30	30	DFT-PI2BPSK	L	Outer_Full	26.814	28.260	PASS
N38	30	30	DFT-16QAM	L	Outer_Full	26.862	28.620	PASS
N38	30	30	DFT-64QAM	L	Outer_Full	26.825	28.500	PASS
N38	30	30	DFT-256QAM	L	Outer_Full	26.698	28.440	PASS



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N38	30	30	CP-QPSK	L	Outer_Full	27.868	29.580	PASS
N38	30	30	CP-16QAM	L	Outer_Full	27.879	29.520	PASS
N38	30	30	CP-64QAM	L	Outer_Full	27.735	29.640	PASS
N38	30	30	CP-256QAM	L	Outer_Full	27.978	29.340	PASS
N38	30	30	DFT-QPSK	M	Outer_Full	26.802	28.980	PASS
N38	30	30	DFT-PI2BPSK	M	Outer_Full	26.819	28.440	PASS
N38	30	30	DFT-16QAM	M	Outer_Full	26.796	28.260	PASS
N38	30	30	DFT-64QAM	M	Outer_Full	26.731	28.320	PASS
N38	30	30	DFT-256QAM	M	Outer_Full	26.83	28.860	PASS
N38	30	30	CP-QPSK	M	Outer_Full	27.889	29.700	PASS
N38	30	30	CP-16QAM	M	Outer_Full	27.853	29.760	PASS
N38	30	30	CP-64QAM	M	Outer_Full	27.902	29.700	PASS
N38	30	30	CP-256QAM	M	Outer_Full	27.901	29.160	PASS
N38	30	30	DFT-QPSK	H	Outer_Full	26.767	28.320	PASS
N38	30	30	DFT-PI2BPSK	H	Outer_Full	26.782	28.260	PASS
N38	30	30	DFT-16QAM	H	Outer_Full	26.674	28.680	PASS
N38	30	30	DFT-64QAM	H	Outer_Full	26.779	28.200	PASS
N38	30	30	DFT-256QAM	H	Outer_Full	26.807	28.320	PASS
N38	30	30	CP-QPSK	H	Outer_Full	27.825	30.000	PASS
N38	30	30	CP-16QAM	H	Outer_Full	27.862	29.340	PASS
N38	30	30	CP-64QAM	H	Outer_Full	27.974	28.980	PASS
N38	30	30	CP-256QAM	H	Outer_Full	27.799	28.980	PASS
N38	30	40	DFT-QPSK	L	Outer_Full	35.74	37.600	PASS
N38	30	40	DFT-PI2BPSK	L	Outer_Full	35.747	37.920	PASS
N38	30	40	DFT-16QAM	L	Outer_Full	35.908	37.920	PASS
N38	30	40	DFT-64QAM	L	Outer_Full	35.838	37.600	PASS
N38	30	40	DFT-256QAM	L	Outer_Full	35.78	38.240	PASS
N38	30	40	CP-QPSK	L	Outer_Full	37.897	39.680	PASS
N38	30	40	CP-16QAM	L	Outer_Full	38.018	39.920	PASS
N38	30	40	CP-64QAM	L	Outer_Full	37.838	39.920	PASS
N38	30	40	CP-256QAM	L	Outer_Full	37.891	39.920	PASS
N38	30	40	DFT-QPSK	M	Outer_Full	35.784	37.840	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	35.764	37.520	PASS
N38	30	40	DFT-16QAM	M	Outer_Full	35.795	37.600	PASS
N38	30	40	DFT-64QAM	M	Outer_Full	35.736	38.160	PASS
N38	30	40	DFT-256QAM	M	Outer_Full	35.839	37.680	PASS
N38	30	40	CP-QPSK	M	Outer_Full	37.93	39.680	PASS



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N38	30	40	CP-16QAM	M	Outer_Full	37.829	39.760	PASS
N38	30	40	CP-64QAM	M	Outer_Full	37.798	39.520	PASS
N38	30	40	CP-256QAM	M	Outer_Full	37.904	40.000	PASS
N38	30	40	DFT-QPSK	H	Outer_Full	35.673	37.760	PASS
N38	30	40	DFT-PI2BPSK	H	Outer_Full	35.76	37.520	PASS
N38	30	40	DFT-16QAM	H	Outer_Full	35.822	37.520	PASS
N38	30	40	DFT-64QAM	H	Outer_Full	35.794	37.200	PASS
N38	30	40	DFT-256QAM	H	Outer_Full	35.749	37.600	PASS
N38	30	40	CP-QPSK	H	Outer_Full	37.947	39.760	PASS
N38	30	40	CP-16QAM	H	Outer_Full	37.874	39.360	PASS
N38	30	40	CP-64QAM	H	Outer_Full	37.763	39.680	PASS
N38	30	40	CP-256QAM	H	Outer_Full	37.834	39.680	PASS

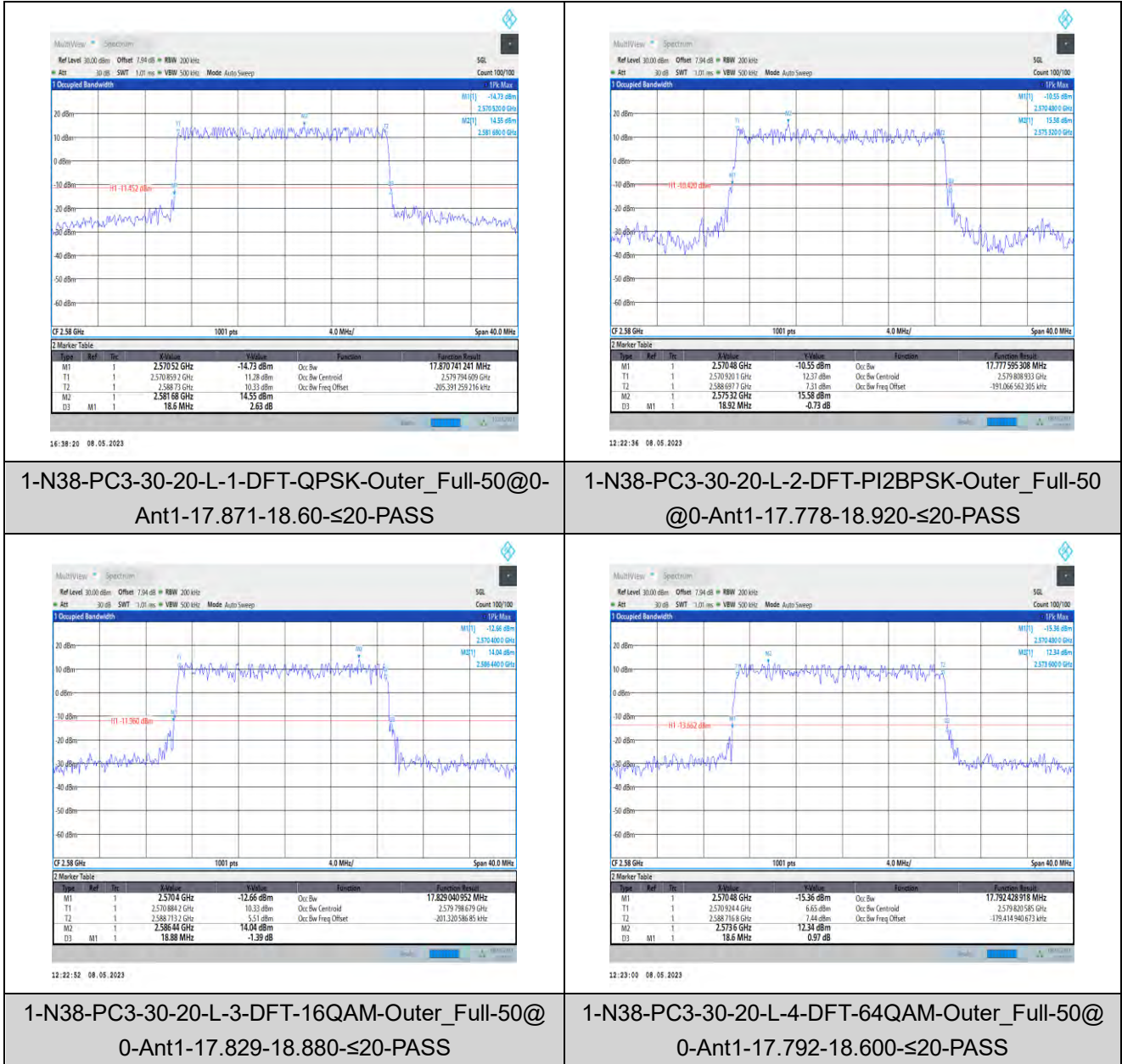


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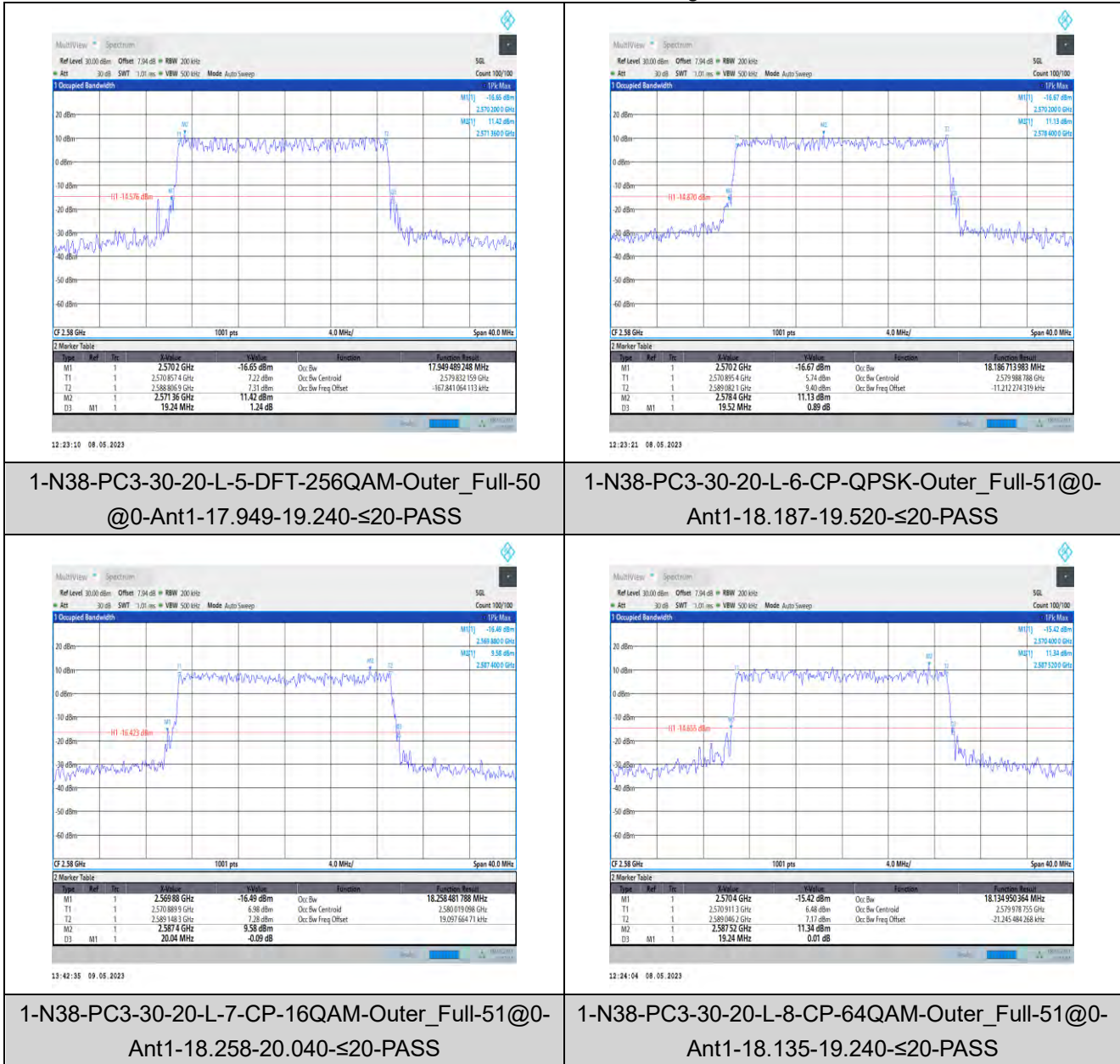
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Test Graphs



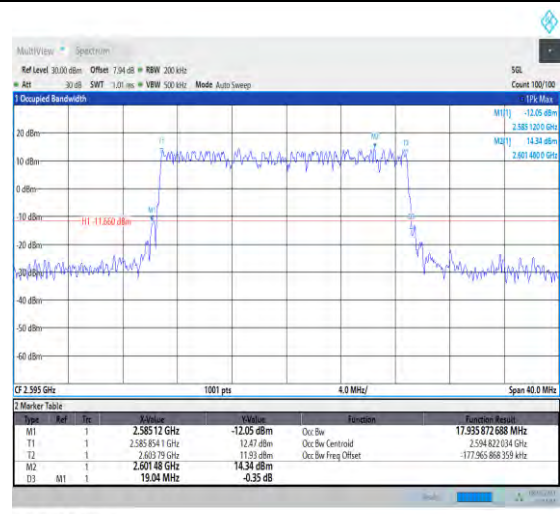
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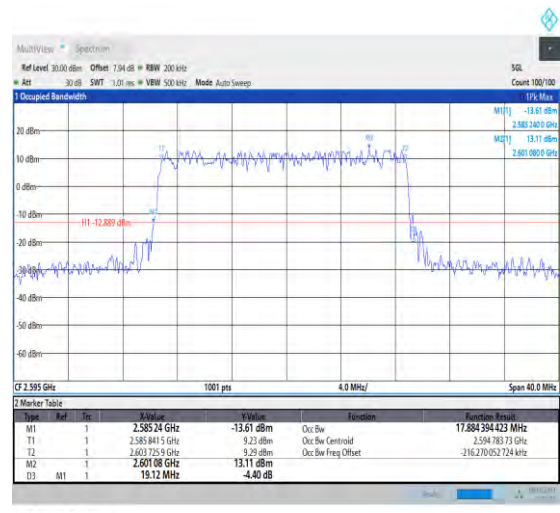
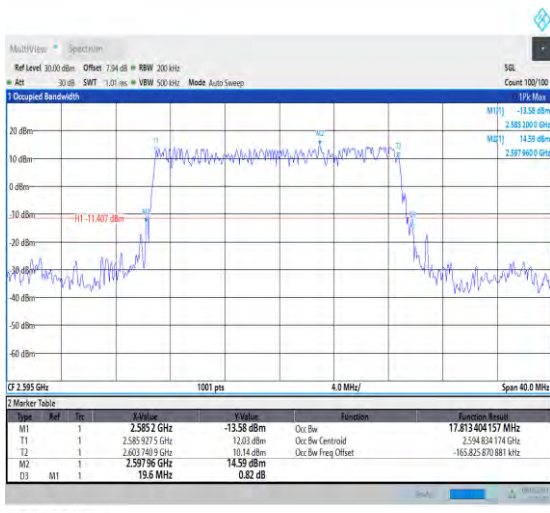
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1-N38-PC3-30-20-L-9-CP-256QAM-Outer_Full-51@
0-Ant1-18.224-19.720-<20-PASS

1-N38-PC3-30-20-M-1-DFT-QPSK-Outer_Full-50@
0-Ant1-17.936-19.040-<20-PASS



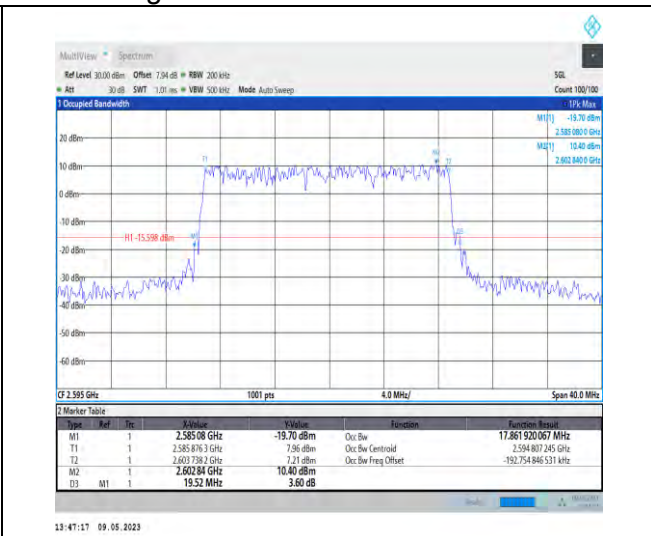
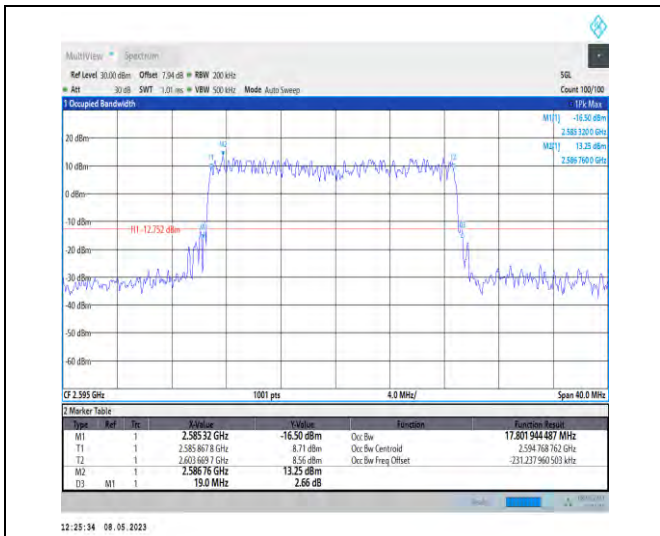
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0-Ant1-17.813-19.600-<20-PASS

1-N38-PC3-30-20-M-3-DFT-16QAM-Outer_Full-50@
0-Ant1-17.884-19.120-<20-PASS



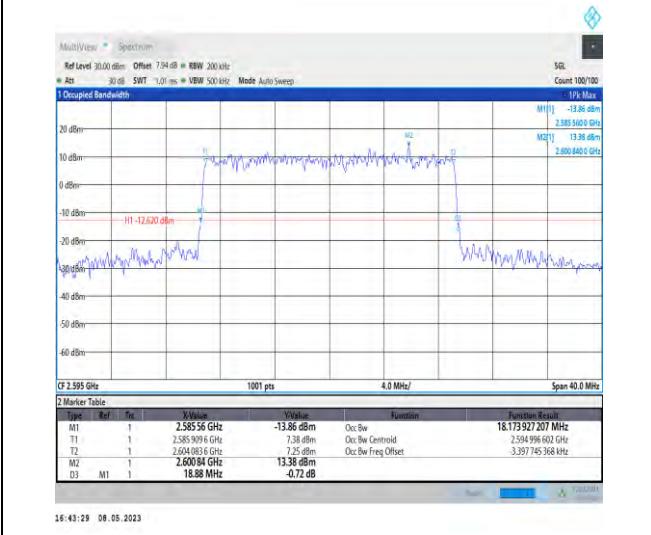
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1-N38-PC3-30-20-M-4-DFT-64QAM-Outer_Full-50@
 0-Ant1-17.802-19.000-≤20-PASS

1-N38-PC3-30-20-M-5-DFT-256QAM-Outer_Full-50
 @0-Ant1-17.862-19.520-≤20-PASS



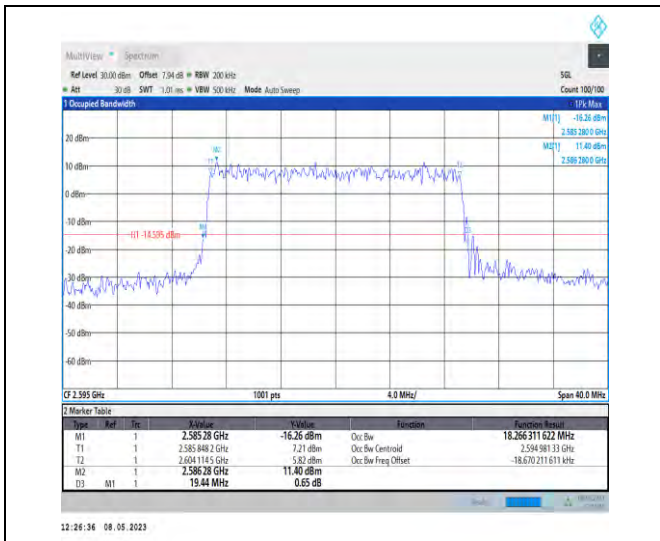
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 Ant1-18.254-19.840-≤20-PASS

1-N38-PC3-30-20-M-7-CP-16QAM-Outer_Full-51@0-
 -Ant1-18.174-18.880-≤20-PASS



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1-N38-PC3-30-20-M-8-CP-64QAM-Outer_Full-51@0-Ant1-18.266-19.440-≤20-PASS

1-N38-PC3-30-20-M-9-CP-256QAM-Outer_Full-51@0-Ant1-18.273-19.720-≤20-PASS



1-N38-PC3-30-20-H-1-DFT-QPSK-Outer_Full-50@0-Ant1-17.876-19.400-≤20-PASS

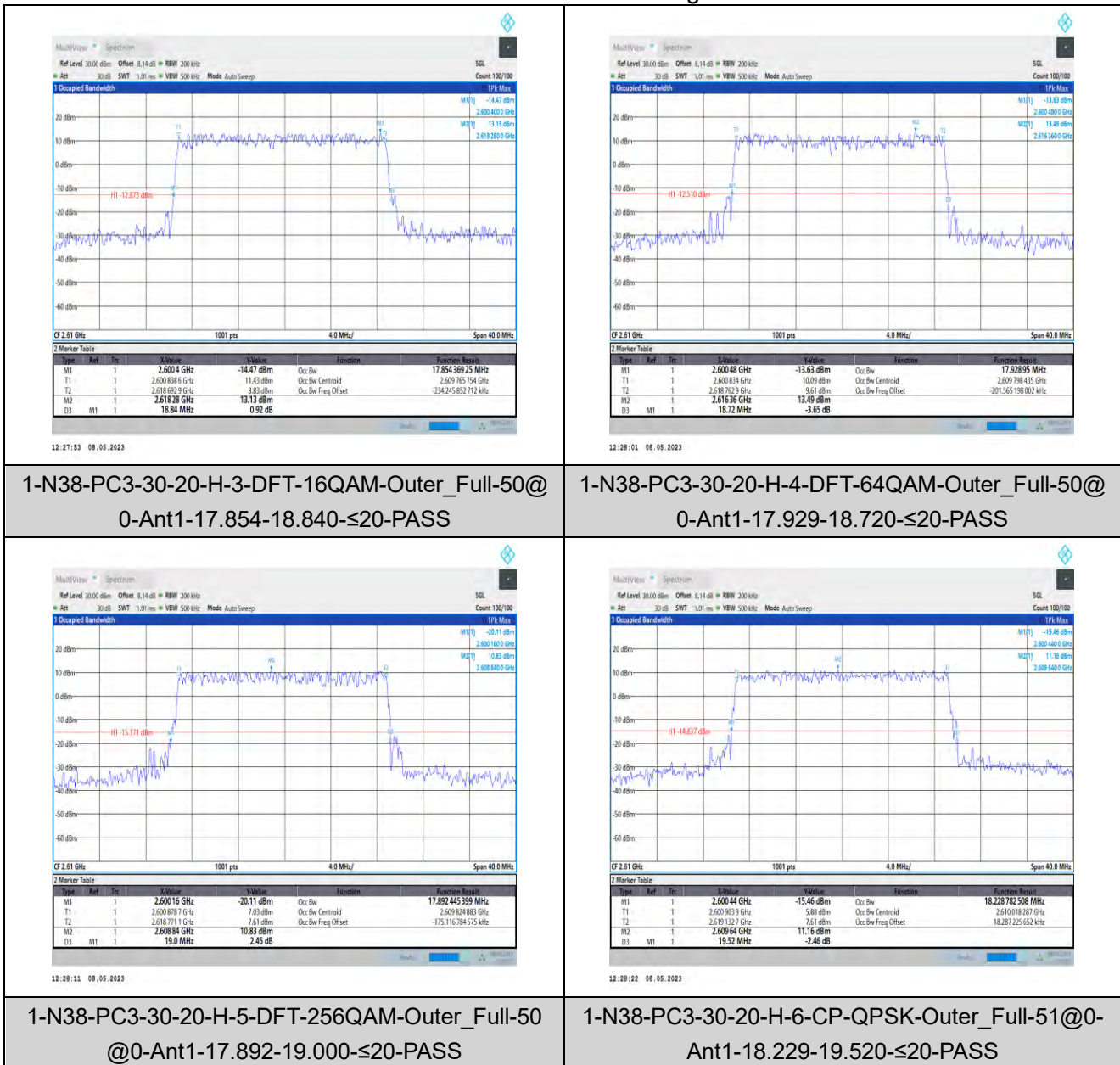
1-N38-PC3-30-20-H-2-DFT-PI2BPSK-Outer_Full-50@0-Ant1-17.874-18.640-≤20-PASS



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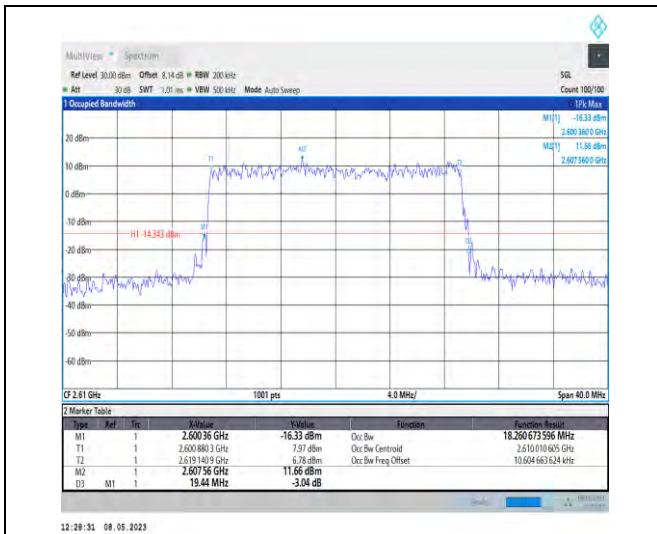
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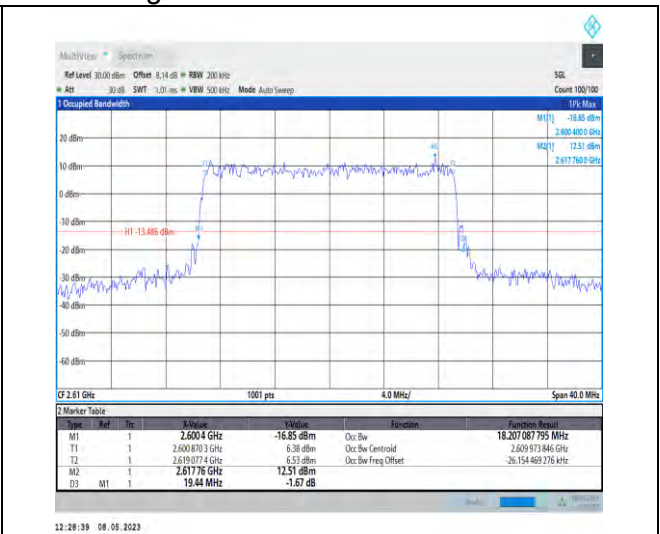


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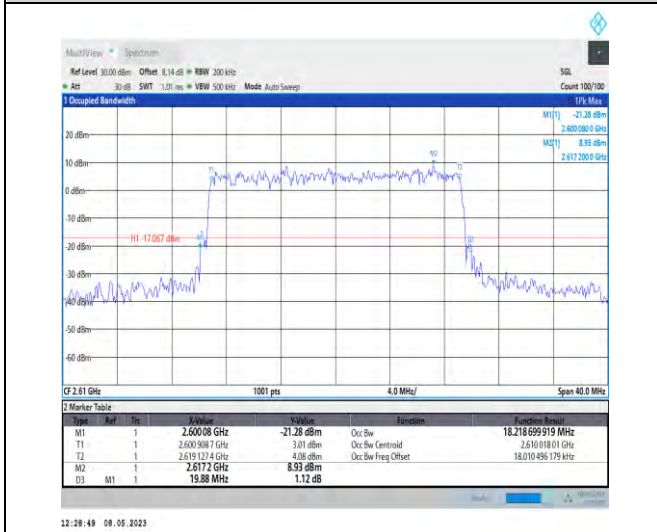
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1-N38-PC3-30-20-H-7-CP-16QAM-Outer_Full-51@0
-Ant1-18.261-19.440-≤20-PASS



1-N38-PC3-30-20-H-8-CP-64QAM-Outer_Full-51@0
-Ant1-18.207-19.440-≤20-PASS



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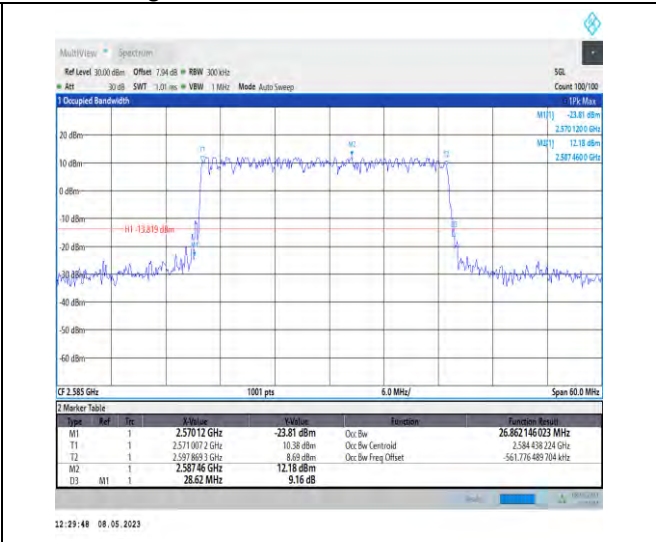
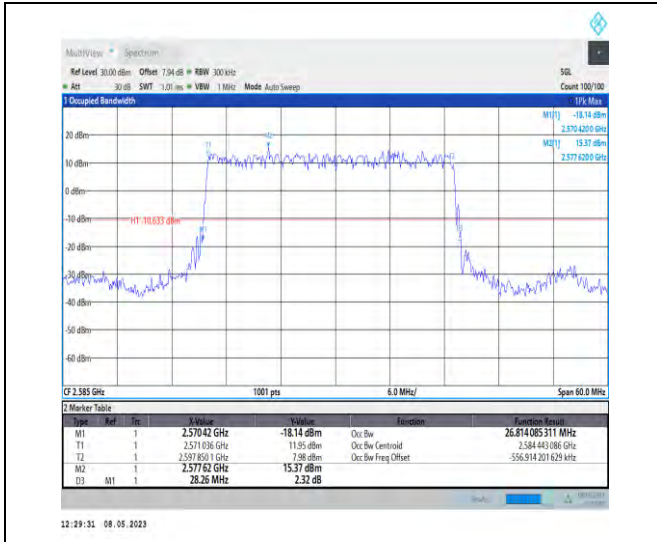


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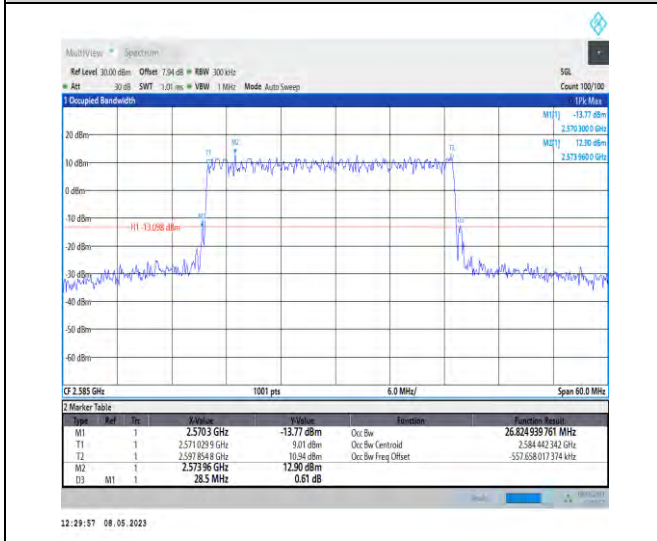
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1-N38-PC3-30-30-L-2-DFT-PI2BPSK-Outer_Full-75 @0-Ant1-26.814-28.260-≤30-PASS

1-N38-PC3-30-30-L-3-DFT-16QAM-Outer_Full-75 @0-Ant1-26.862-28.620-≤30-PASS



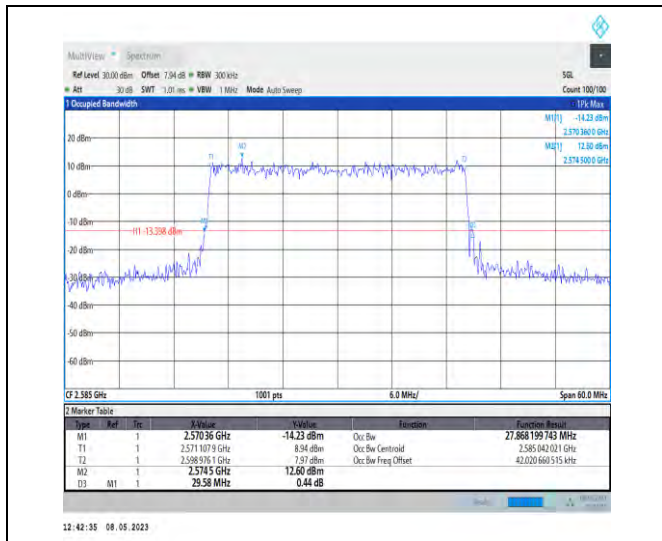
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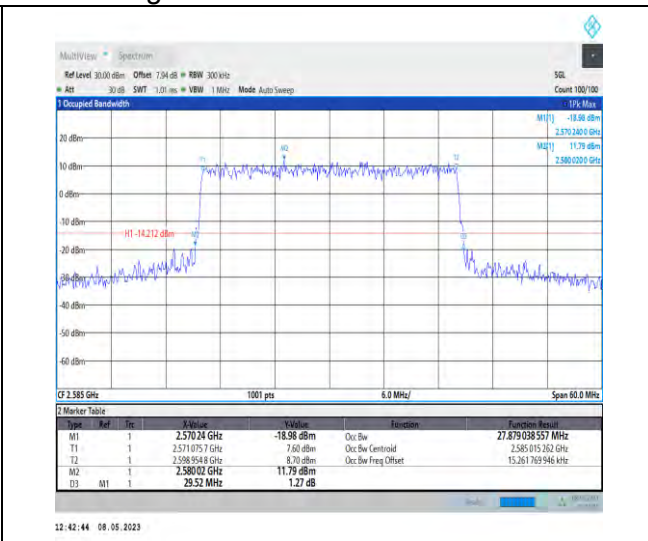


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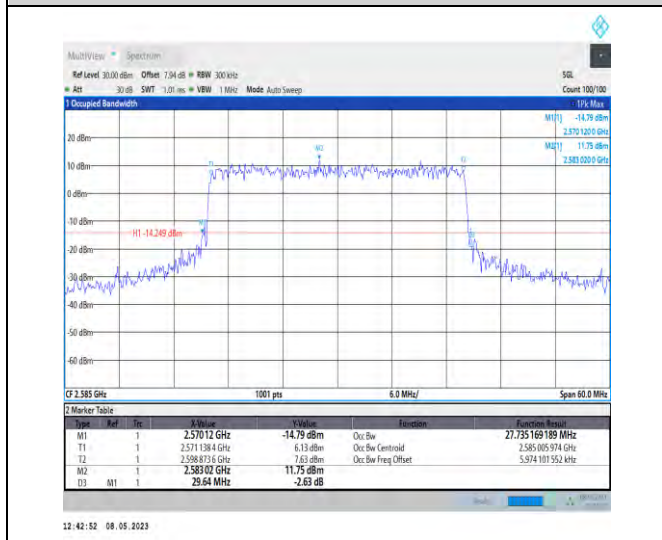
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1-N38-PC3-30-30-L-6-CP-QPSK-Outer_Full-78@0-A
 Ant1-27.868-29.580-≤30-PASS



1-N38-PC3-30-30-L-7-CP-16QAM-Outer_Full-78@0-
 Ant1-27.879-29.520-≤30-PASS



1-N38-PC3-30-30-L-8-CP-64QAM-Outer_Full-78@0-
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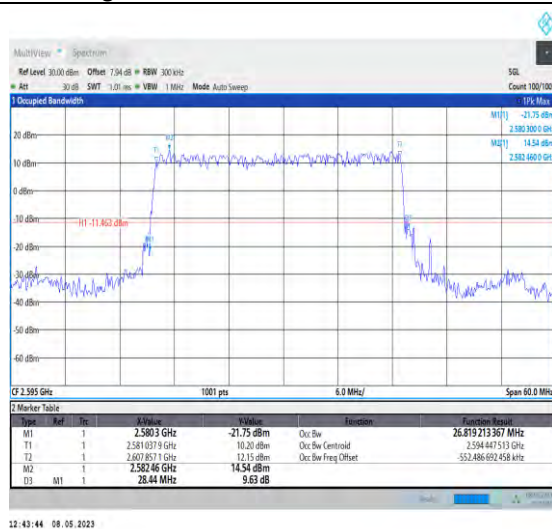
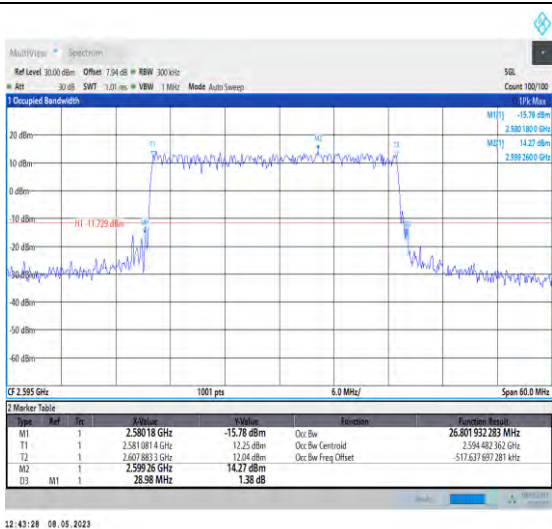


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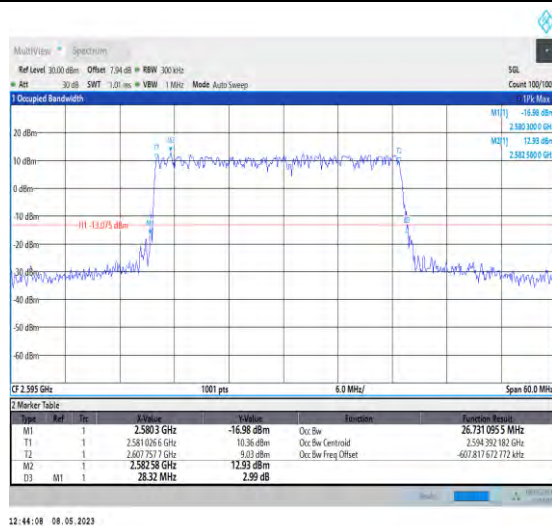
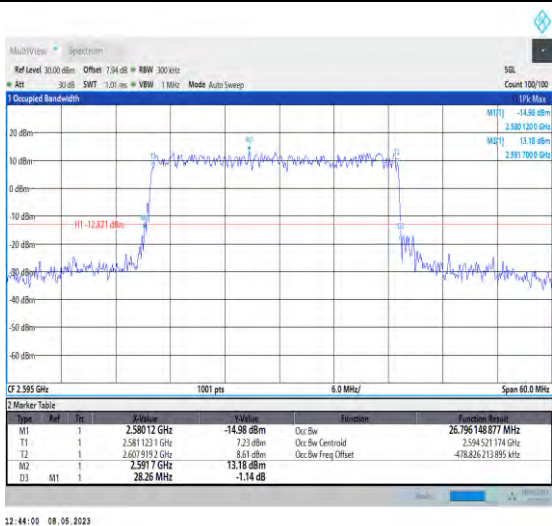
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1-N38-PC3-30-30-M-1-DFT-QPSK-Outer_Full-75@0-Ant1-26.802-28.980-≤30-PASS

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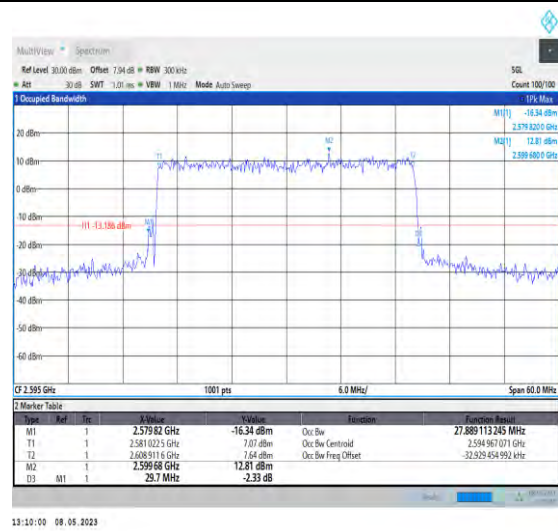
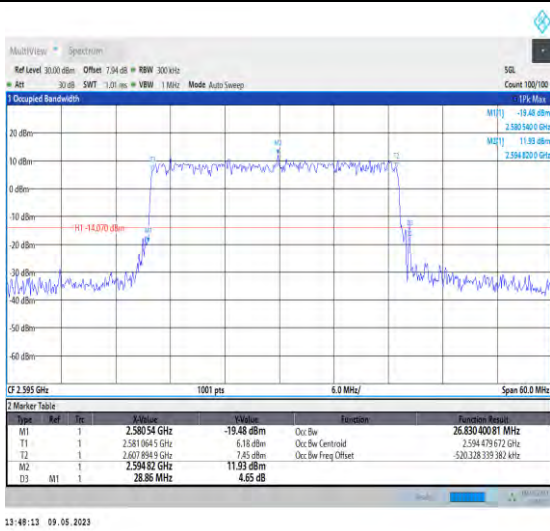
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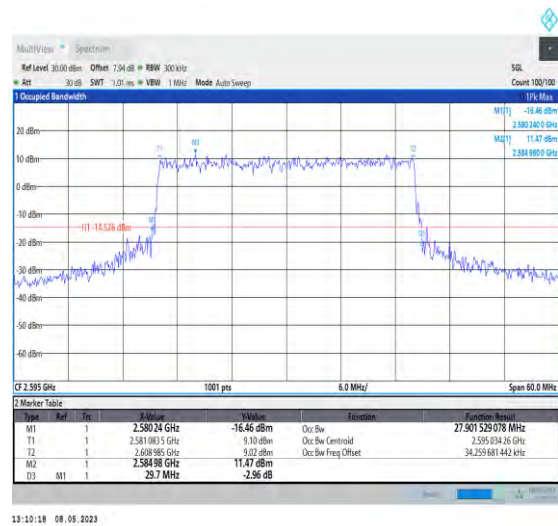
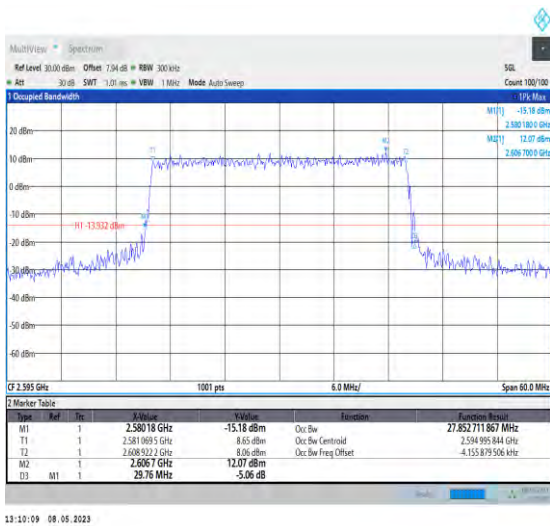
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1-N38-PC3-30-30-M-5-DFT-256QAM-Outer_Full-75@0-Ant1-26.83-28.860-≤30-PASS

1-N38-PC3-30-30-M-6-CP-QPSK-Outer_Full-78@0-Ant1-27.889-29.700-≤30-PASS



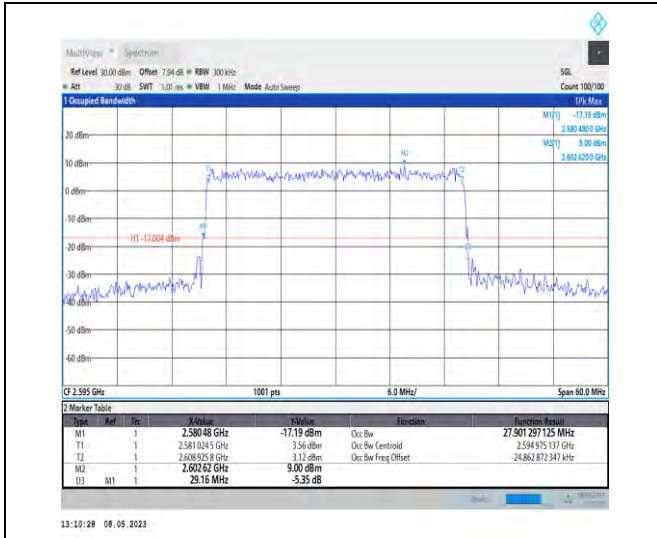
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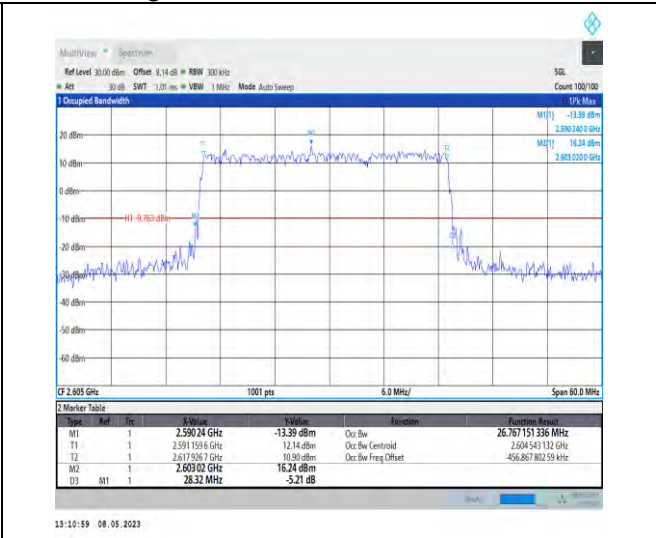


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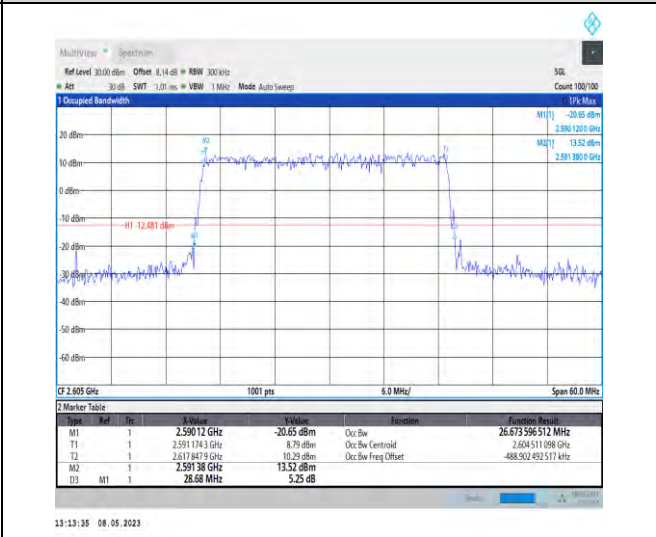
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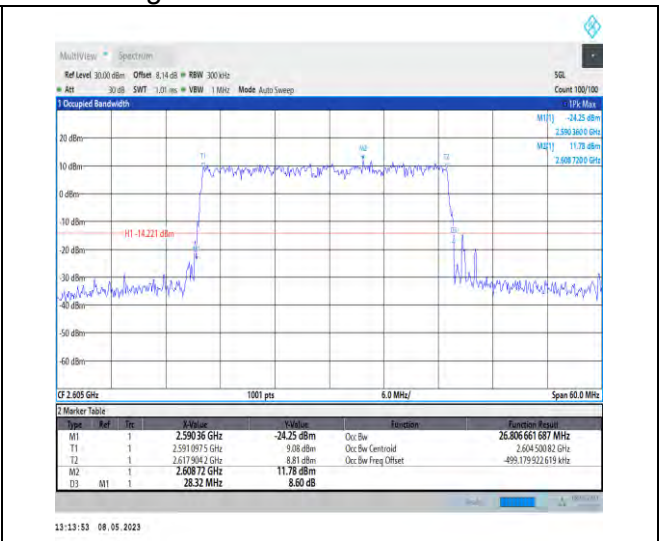
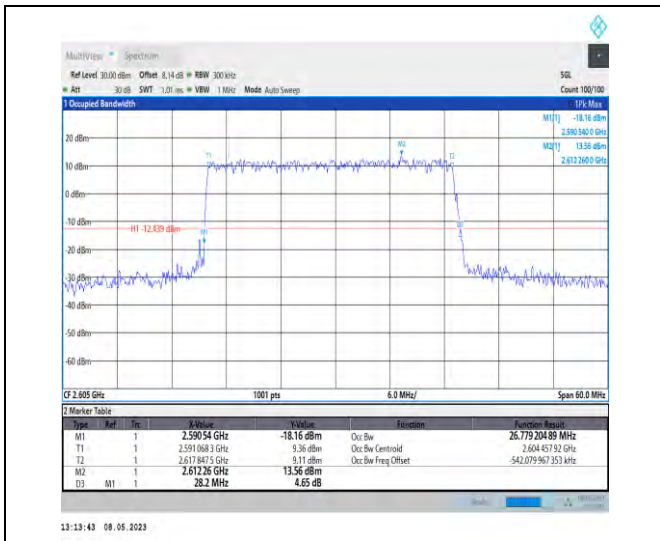


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0-Ant1-26.674-28.680-<30-PASS



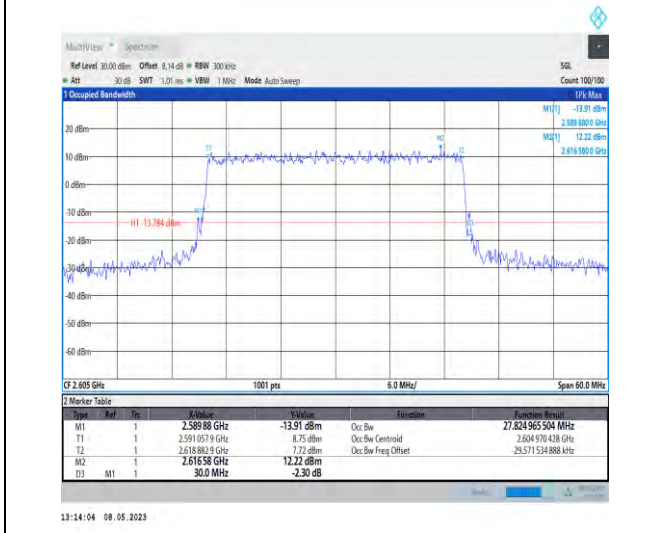
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1-N38-PC3-30-30-H-4-DFT-64QAM-Outer_Full-75@
 0-Ant1-26.779-28.200-<30-PASS

1-N38-PC3-30-30-H-5-DFT-256QAM-Outer_Full-75
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1-N38-PC3-30-30-H-6-CP-QPSK-Outer_Full-78@0-
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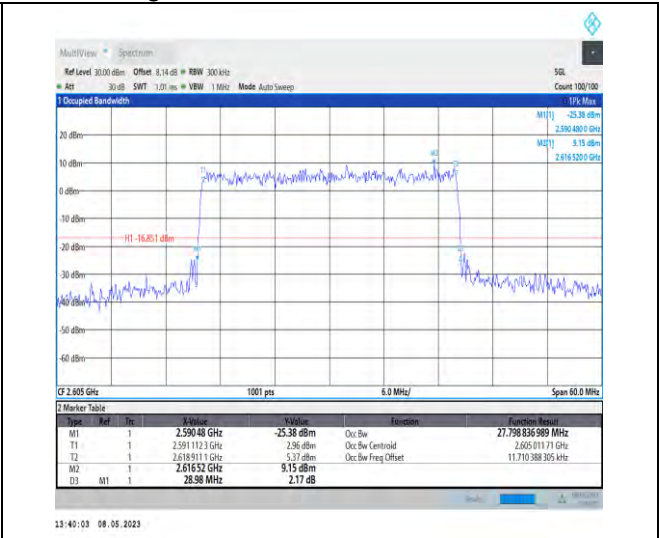
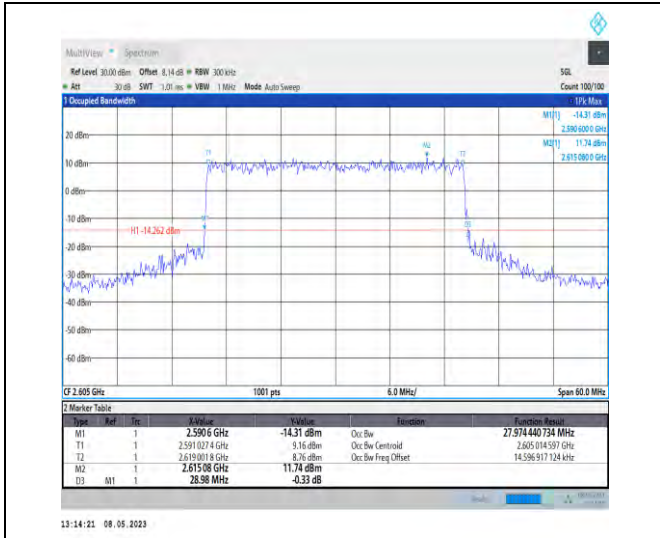
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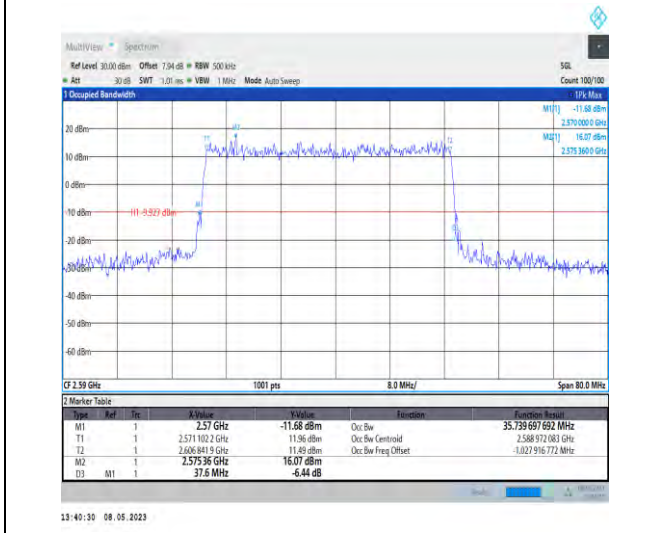
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1-N38-PC3-30-30-H-8-CP-64QAM-Outer_Full-78@0
-Ant1-27.974-28.980-≤30-PASS

1-N38-PC3-30-30-H-9-CP-256QAM-Outer_Full-78@0
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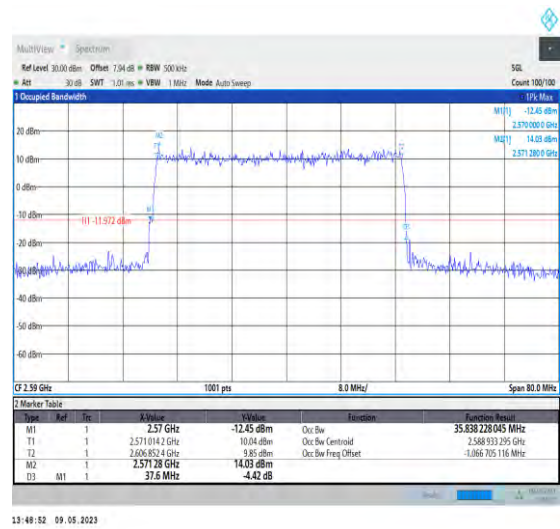
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-Ant1-35.74-37.600-≤40-PASS

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-Ant1-35.747-37.920-≤40-PASS



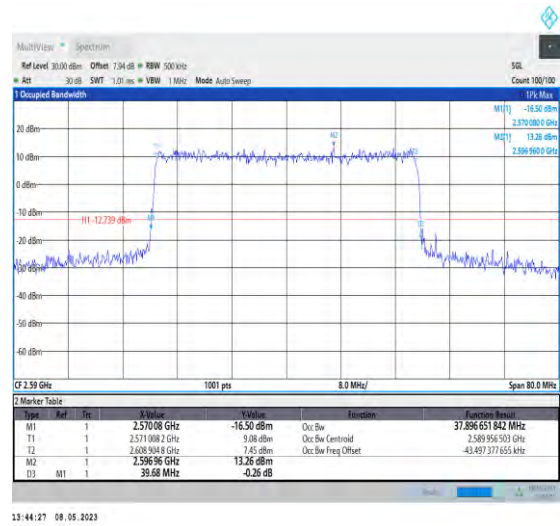
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1-N38-PC3-30-40-L-3-DFT-16QAM-Outer_Full-100 @0-Ant1-35.908-37.920-≤40-PASS

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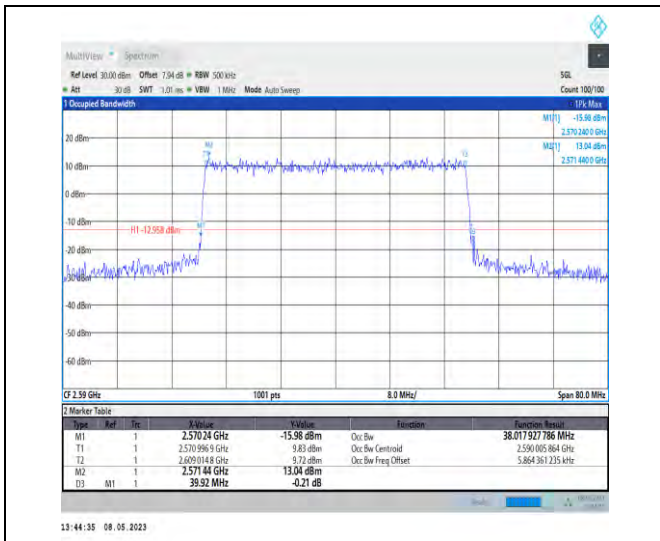
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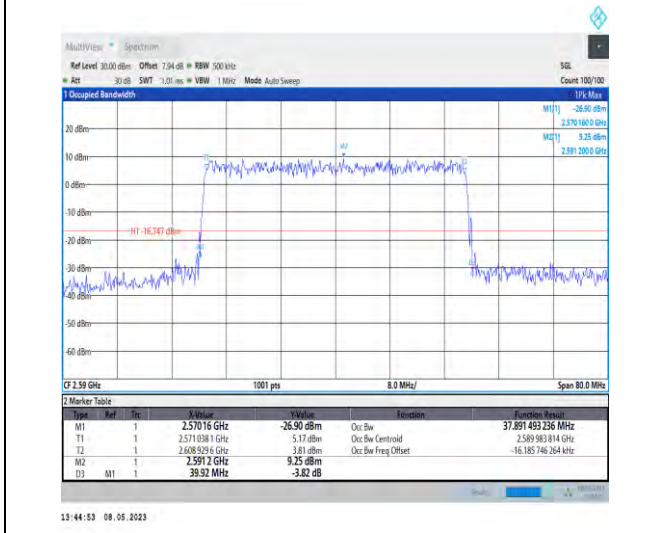
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1-N38-PC3-30-40-L-8-CP-64QAM-Outer_Full-106@
 0-Ant1-37.838-39.920-≤40-PASS



1-N38-PC3-30-40-L-9-CP-256QAM-Outer_Full-106
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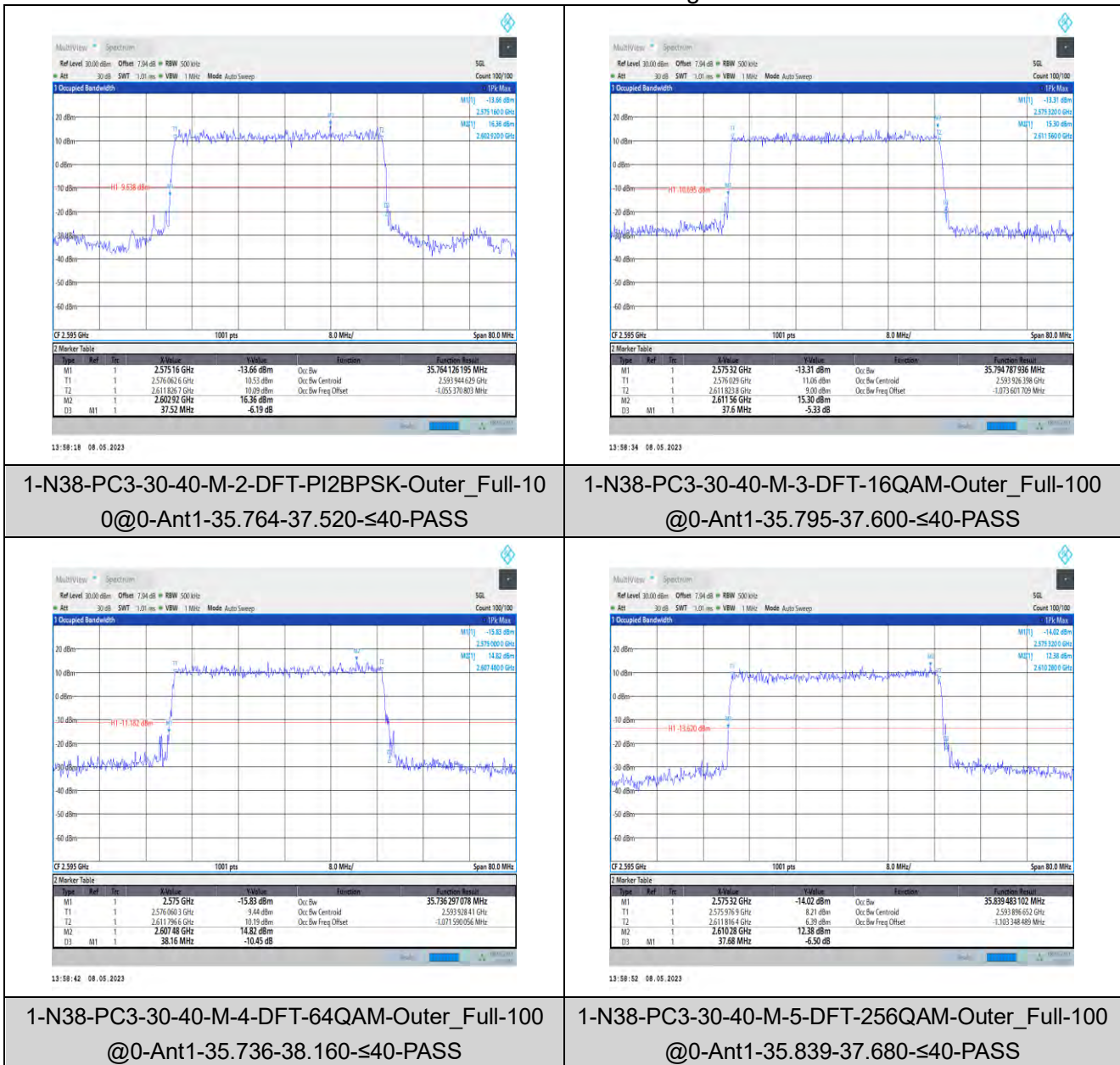
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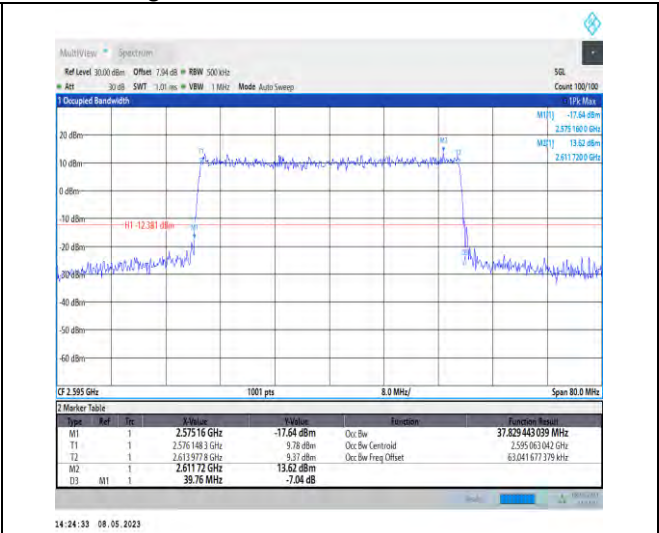
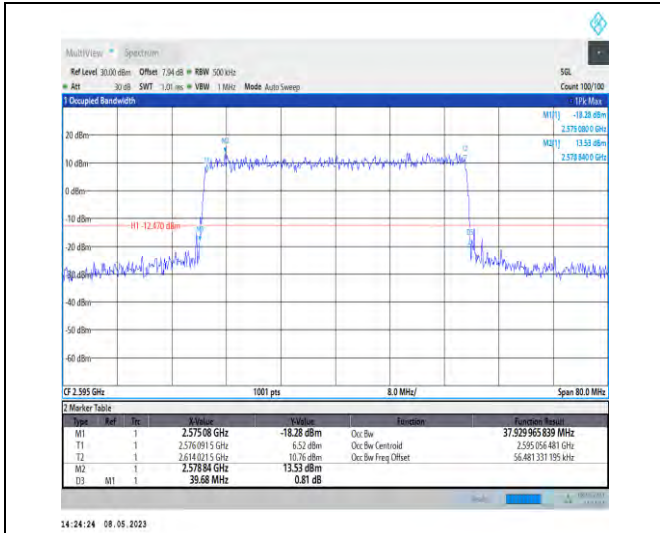
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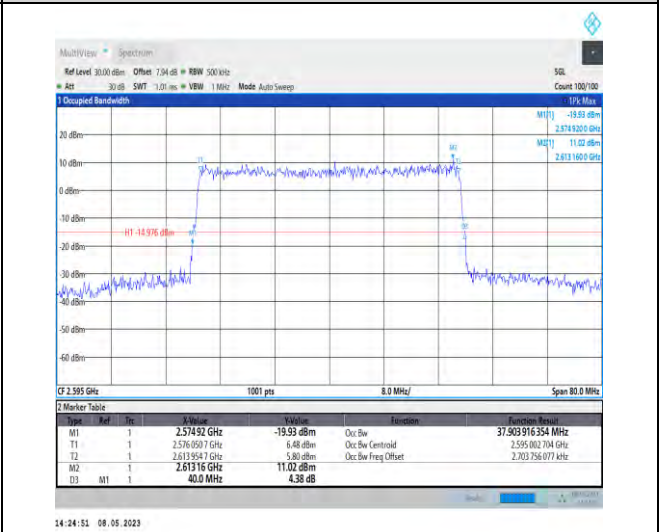
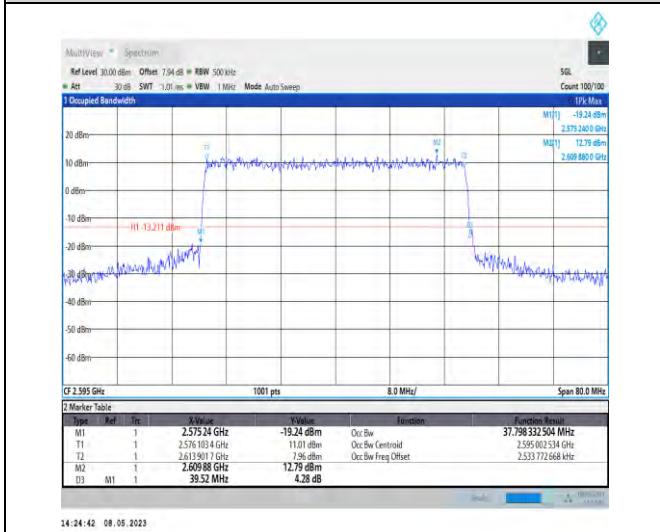
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1-N38-PC3-30-40-M-6-CP-QPSK-Outer_Full-106@0
-Ant1-37.93-39.680-≤ 40-PASS

1-N38-PC3-30-40-M-7-CP-16QAM-Outer_Full-106@0
-Ant1-37.829-39.760-≤ 40-PASS



1-N38-PC3-30-40-M-8-CP-64QAM-Outer_Full-106@0
-Ant1-37.798-39.520-≤ 40-PASS

1-N38-PC3-30-40-M-9-CP-256QAM-Outer_Full-106@0
-Ant1-37.904-40.000-≤ 40-PASS



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1-N38-PC3-30-40-H-1-DFT-QPSK-Outer_Full-100@0-Ant1-35.673-37.760-≤40-PASS

1-N38-PC3-30-40-H-2-DFT-PI2BPSK-Outer_Full-100@0-Ant1-35.76-37.520-≤40-PASS



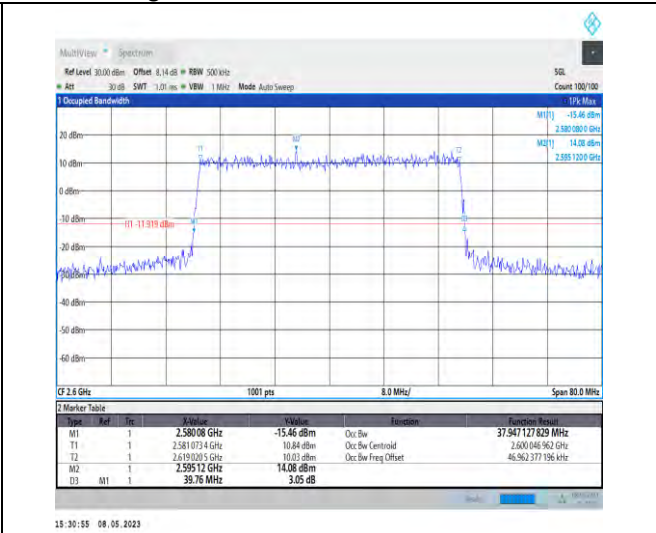
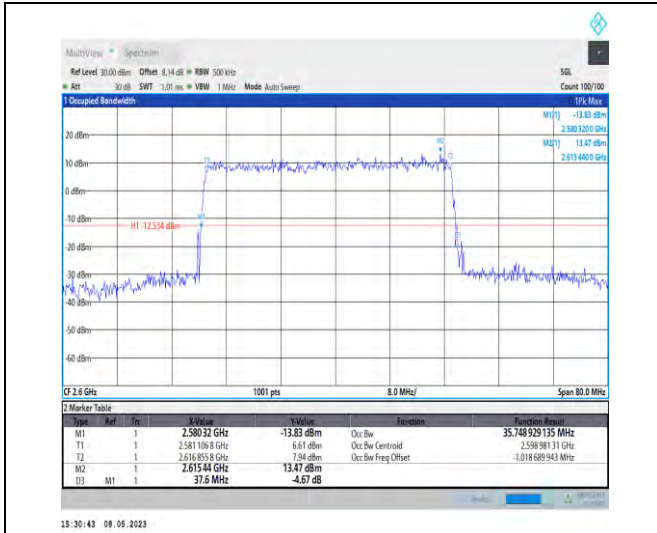
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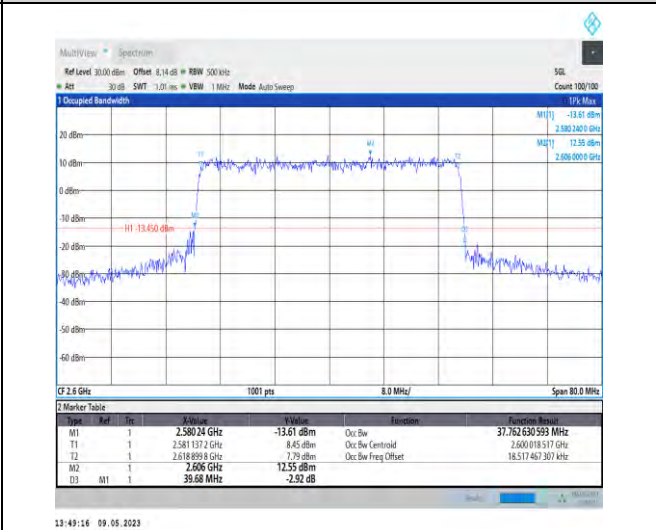
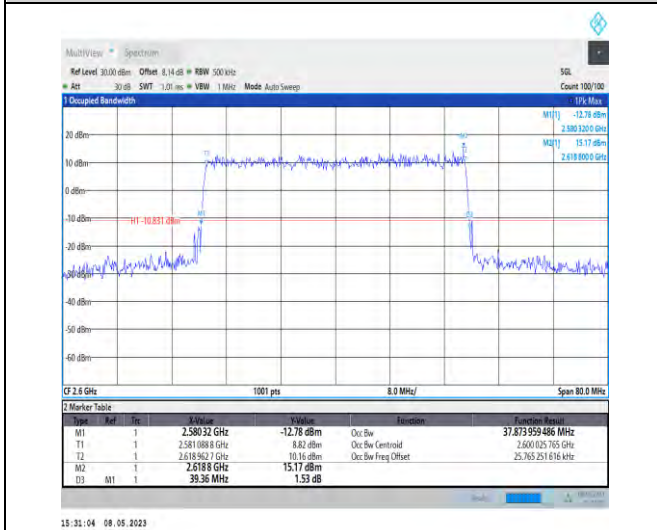
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1-N38-PC3-30-40-H-5-DFT-256QAM-Outer_Full-100 @0-Ant1-35.749-37.600-≤40-PASS

1-N38-PC3-30-40-H-6-CP-QPSK-Outer_Full-106@0-Ant1-37.947-39.760-≤40-PASS



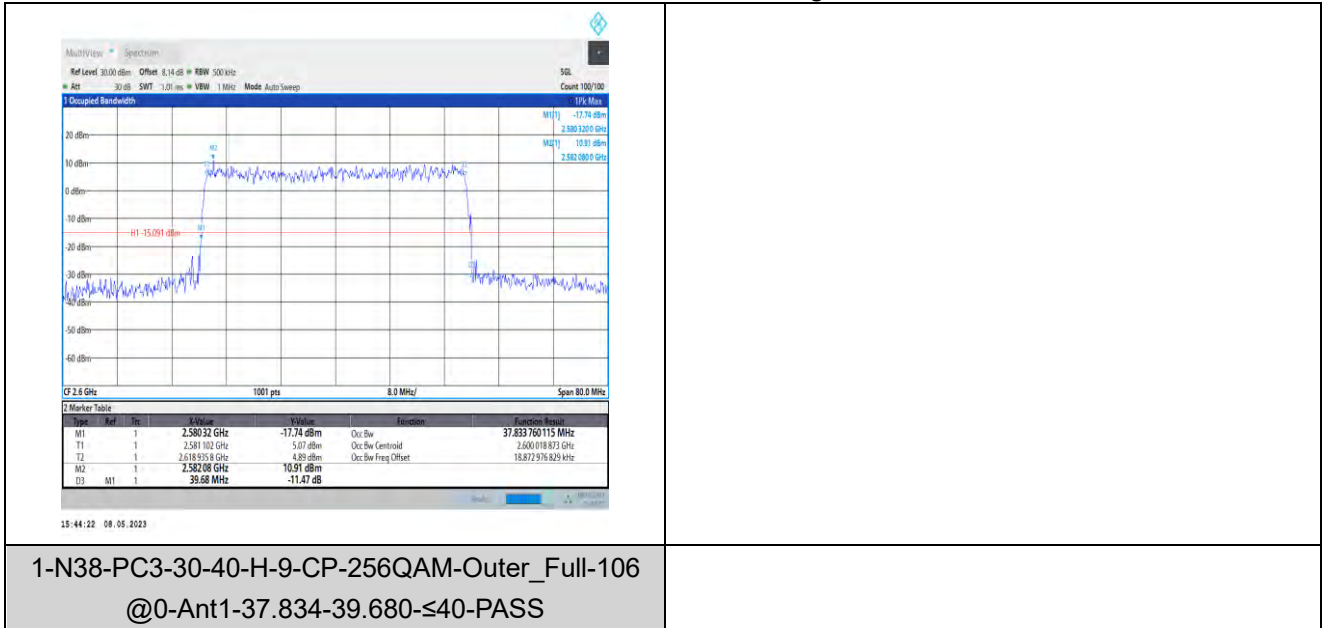
1-N38-PC3-30-40-H-7-CP-16QAM-Outer_Full-106@0-Ant1-37.874-39.360-≤40-PASS

1-N38-PC3-30-40-H-8-CP-64QAM-Outer_Full-106@0-Ant1-37.763-39.680-≤40-PASS



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1-N38-PC3-30-40-H-9-CP-256QAM-Outer_Full-106
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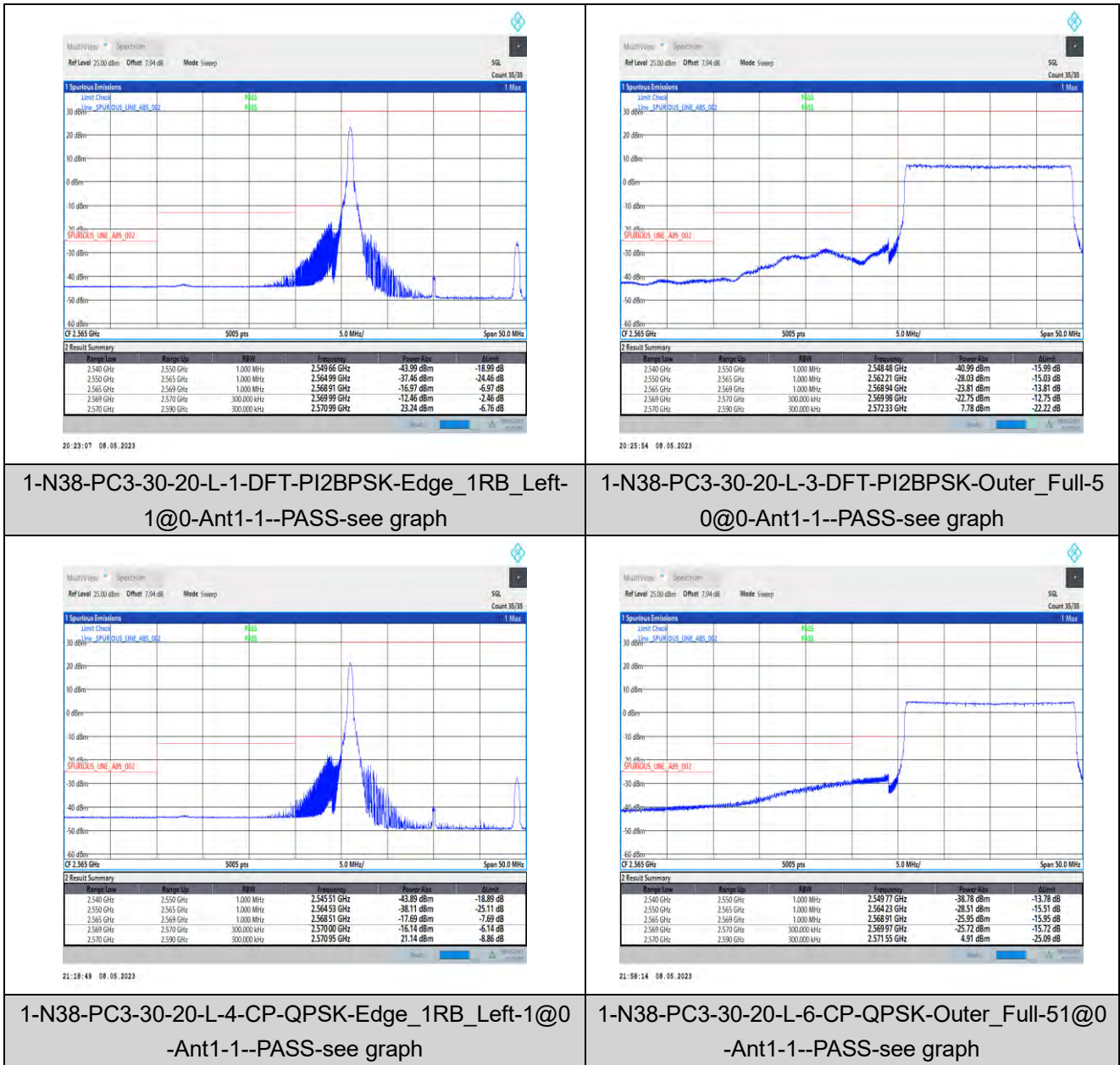


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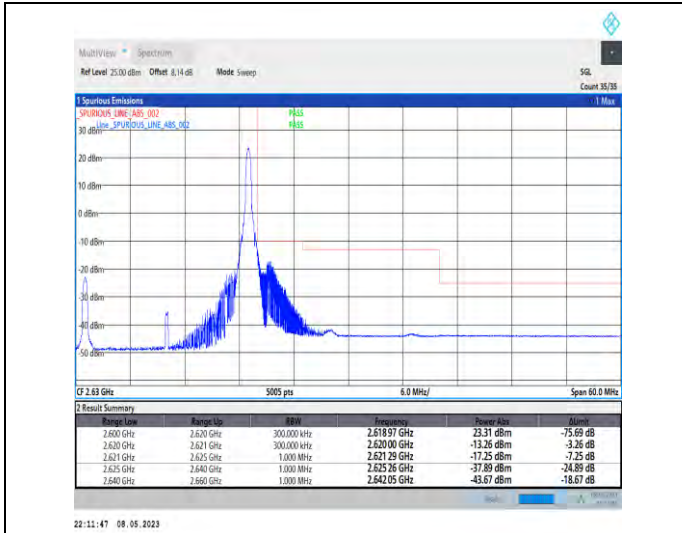
Band Edge for SA

Test Graphs



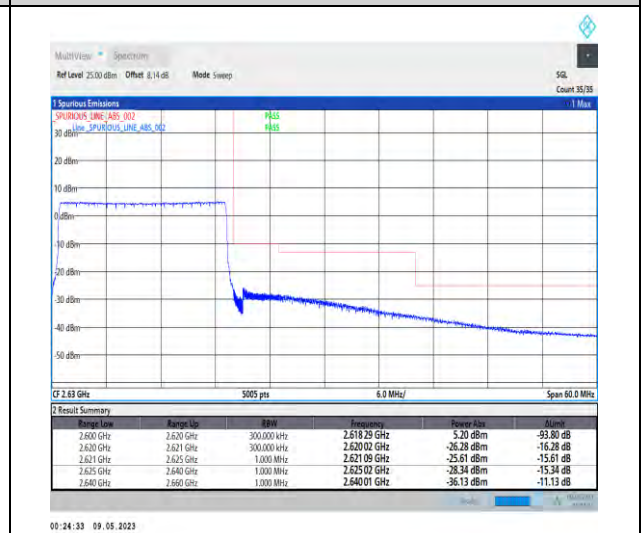
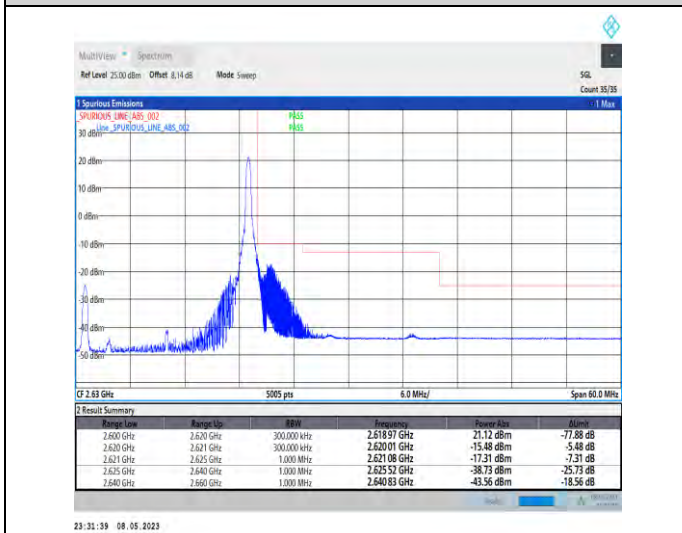
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1-N38-PC3-30-20-H-2-DFT-PI2BPSK-Edge_1RB_Righ t-1@50-Ant1-1--PASS-see graph

1-N38-PC3-30-20-H-3-DFT-PI2BPSK-Outer_Full-5 0@0-Ant1-1--PASS-see graph



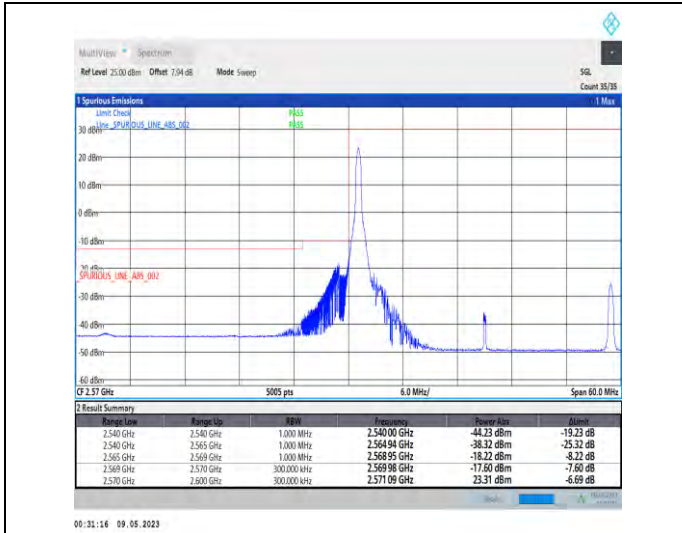
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1-N38-PC3-30-20-H-6-CP-QPSK-Outer_Full-51@ 0-Ant1-1--PASS-see graph



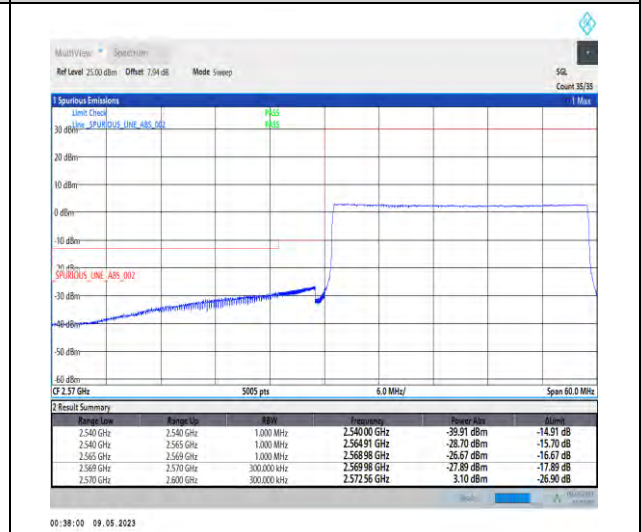
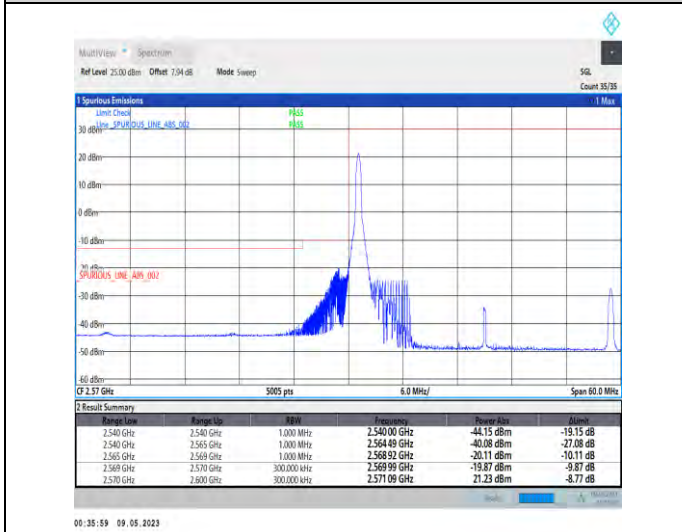
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1-N38-PC3-30-30-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

1-N38-PC3-30-30-L-3-DFT-PI2BPSK-Outer_Full-75@0-Ant1-1--PASS-see graph



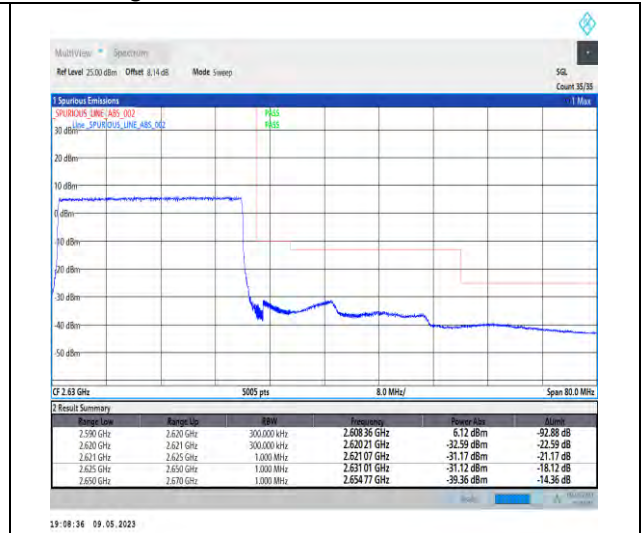
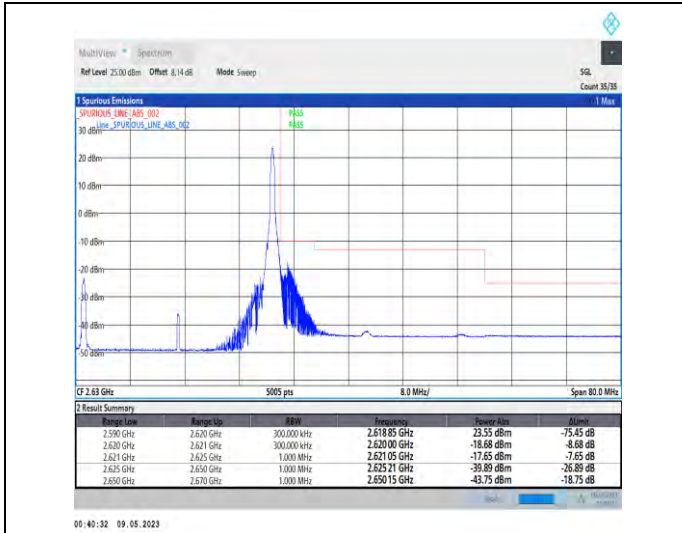
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1-N38-PC3-30-30-L-6-CP-QPSK-Outer_Full-78@0-Ant1-1--PASS-see graph



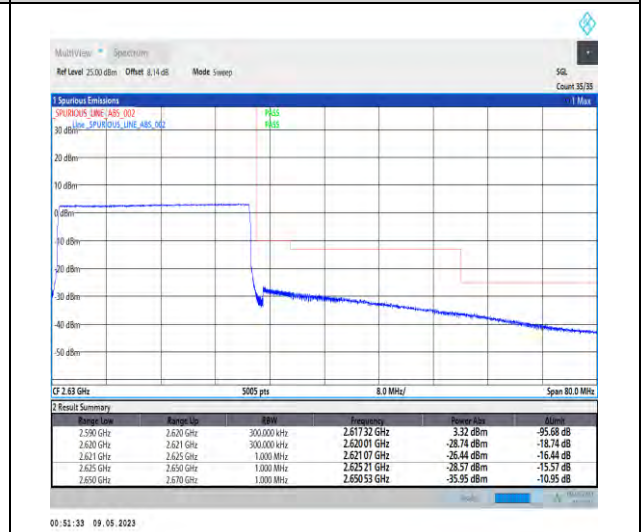
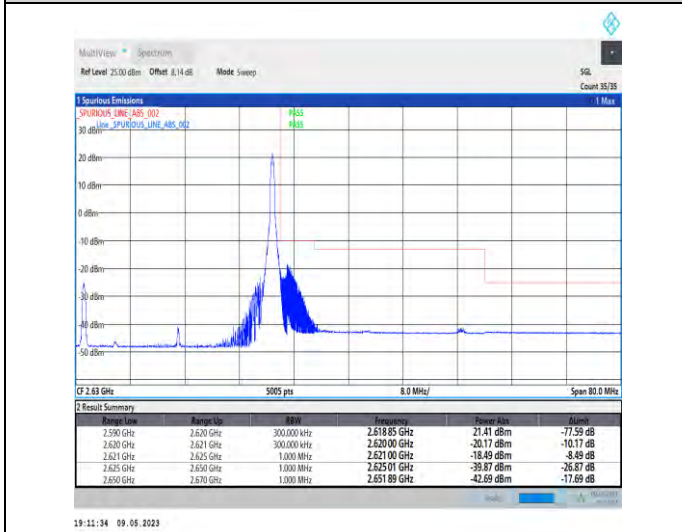
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1-N38-PC3-30-30-H-2-DFT-PI2BPSK-Edge_1RB_Right-t-1@77-Ant1-1--PASS-see graph

1-N38-PC3-30-30-H-3-DFT-PI2BPSK-Outer_Full-75@0-Ant1-1--PASS-see graph



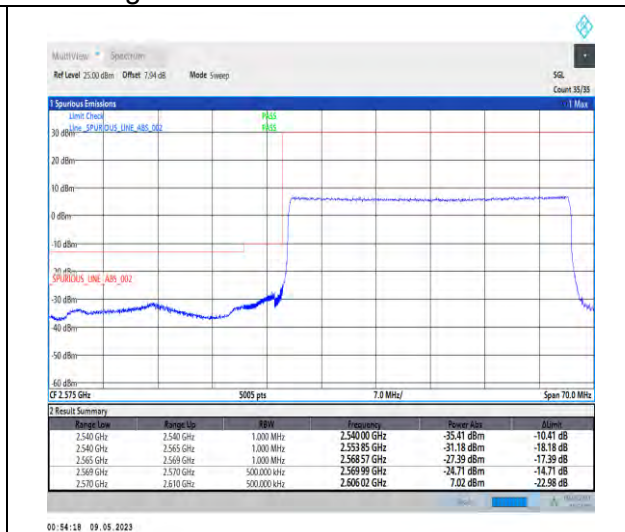
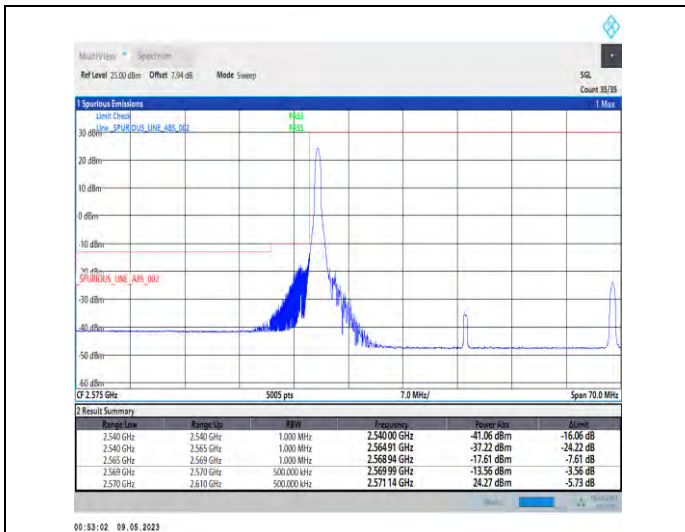
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1-N38-PC3-30-30-H-6-CP-QPSK-Outer_Full-78@0-Ant1-1--PASS-see graph



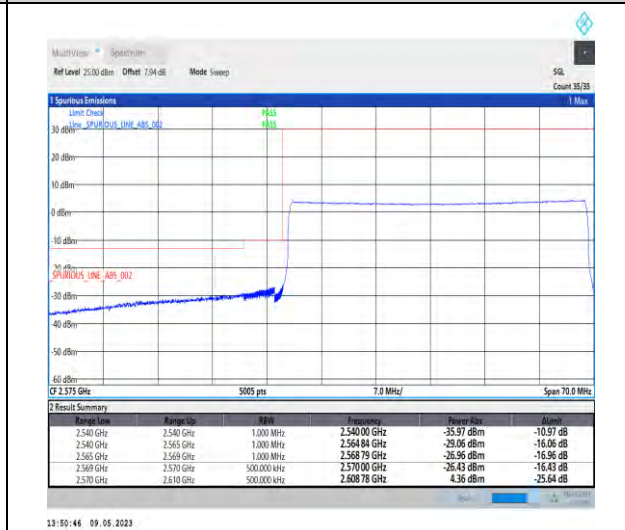
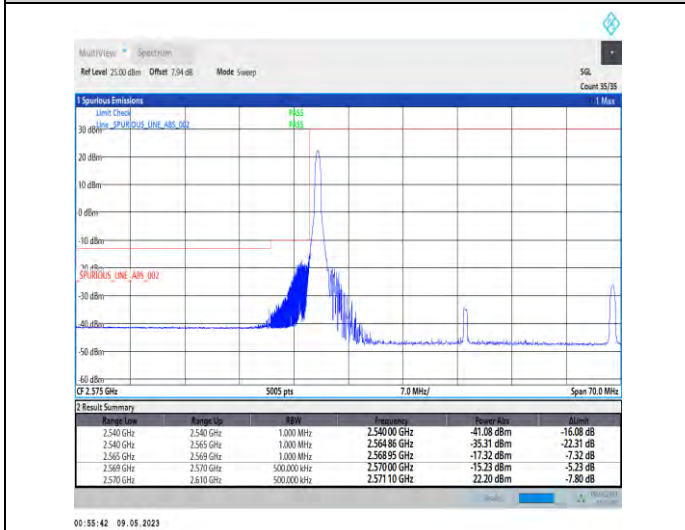
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1-N38-PC3-30-40-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

1-N38-PC3-30-40-L-3-DFT-PI2BPSK-Outer_Full-100@0-Ant1-1--PASS-see graph



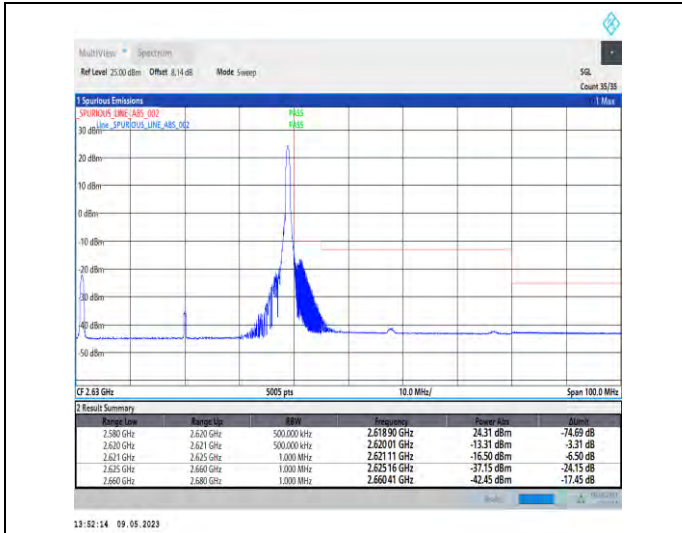
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1-N38-PC3-30-40-L-6-CP-QPSK-Outer_Full-106@0-Ant1-1--PASS-see graph



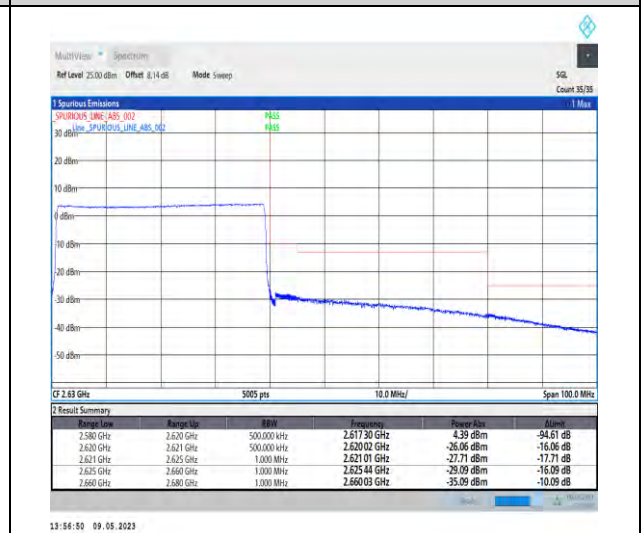
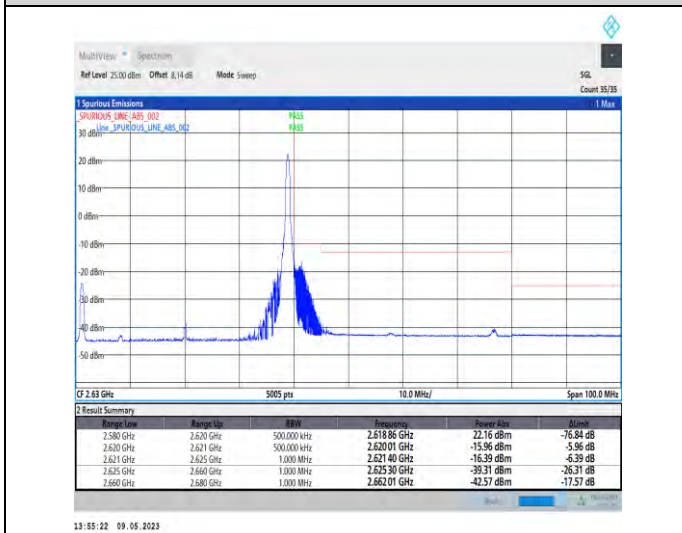
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1-N38-PC3-30-40-H-2-DFT-PI2BPSK-Edge_1RB_Righ t-1@105-Ant1-1--PASS-see graph

1-N38-PC3-30-40-H-3-DFT-PI2BPSK-Outer_Full-1 00@0-Ant1-1--PASS-see graph



1-N38-PC3-30-40-H-5-CP-QPSK-Edge_1RB_Right-1 @105-Ant1-1--PASS-see graph

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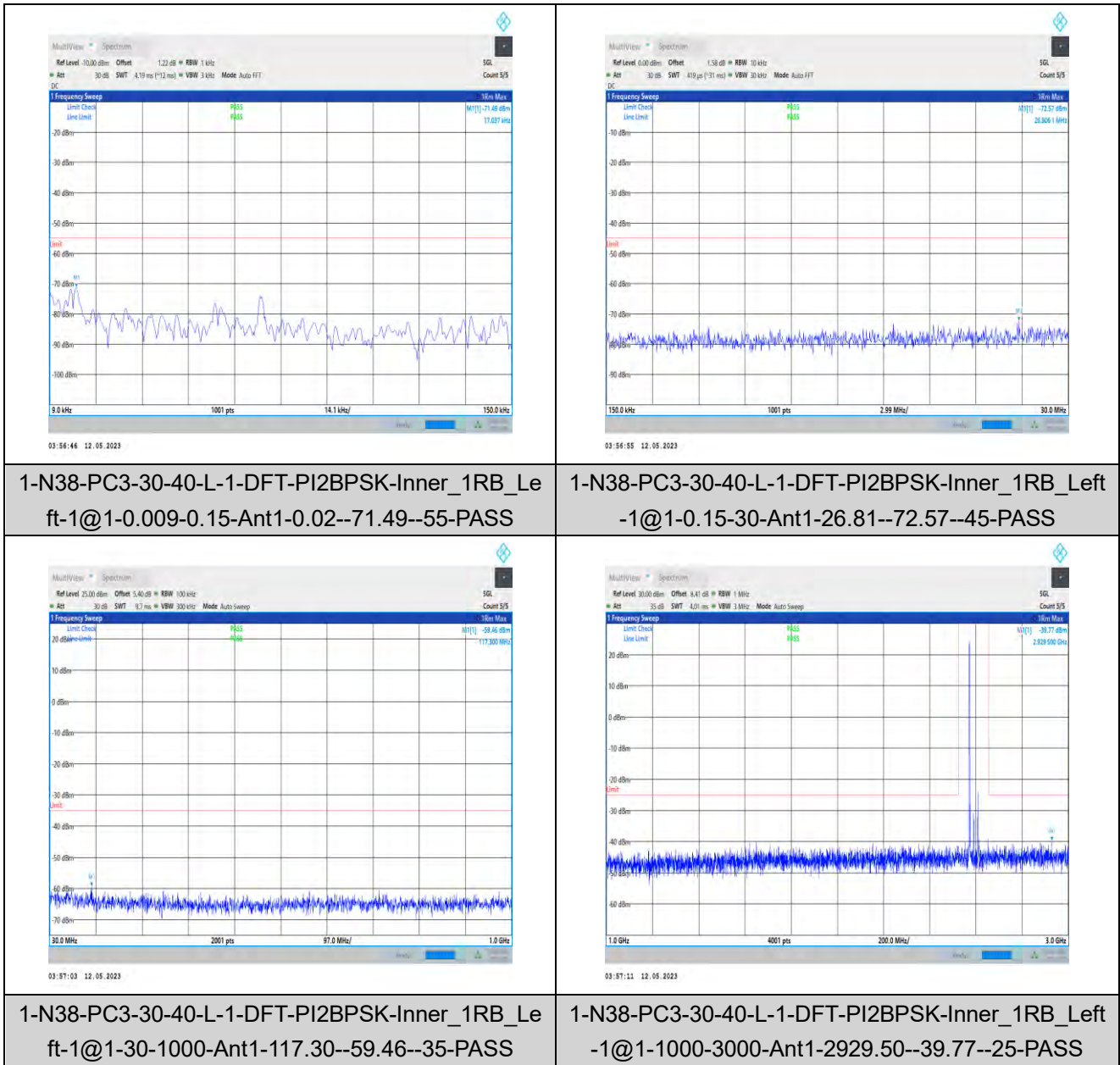


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Conducted Spurious Emission for SA

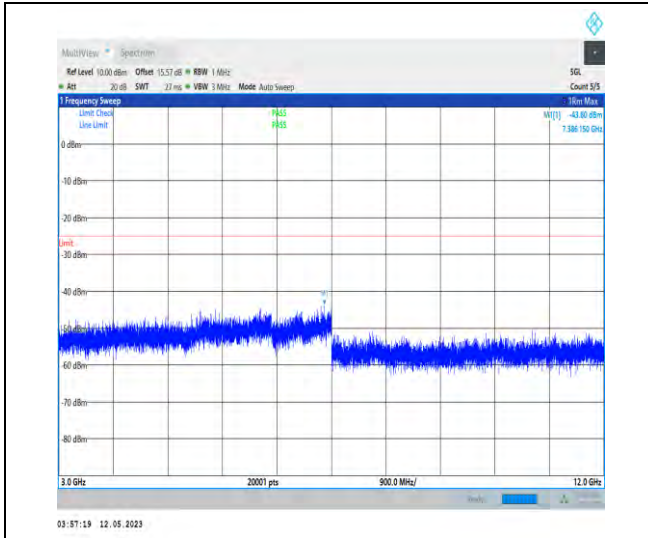
Test Graphs



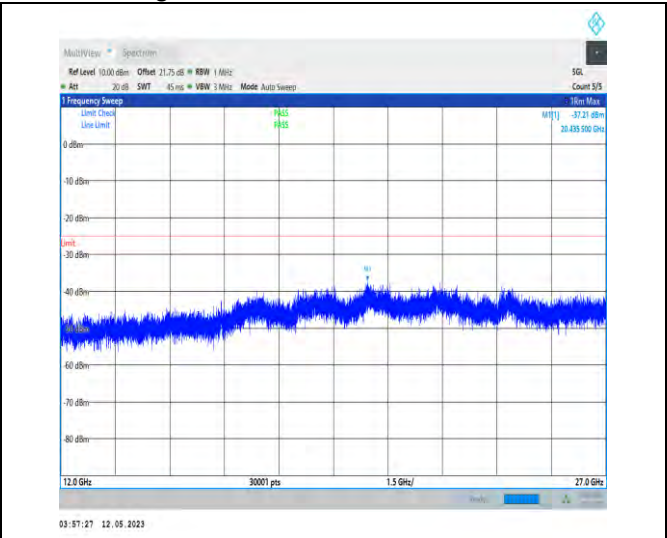
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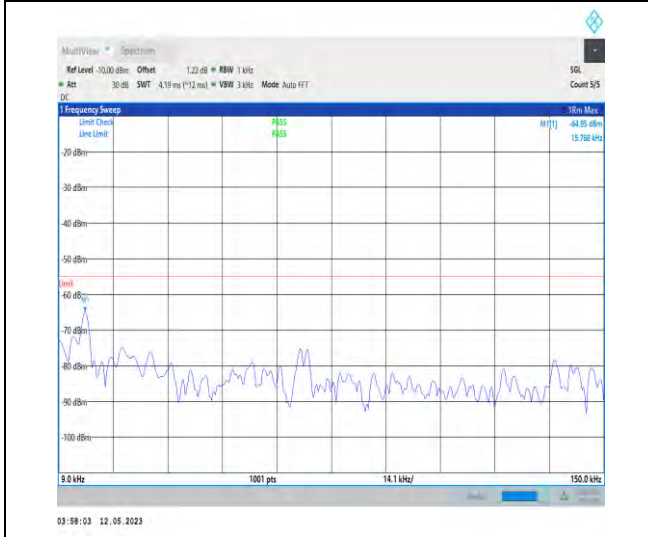
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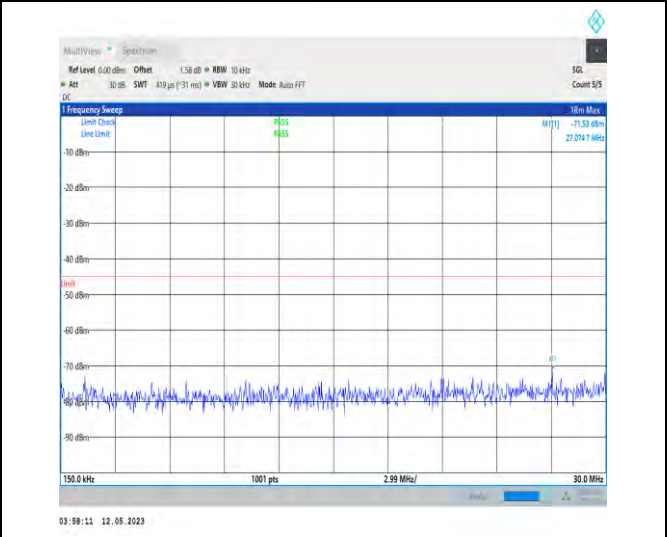
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1-N38-PC3-30-40-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-12000-27000-Ant1-20435.50--37.21--25-PASS



1-N38-PC3-30-40-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-Ant1-0.02--64.95--55-PASS

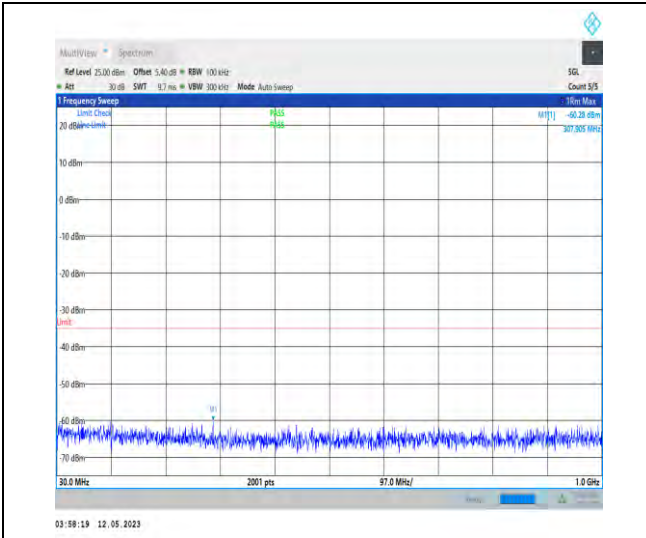


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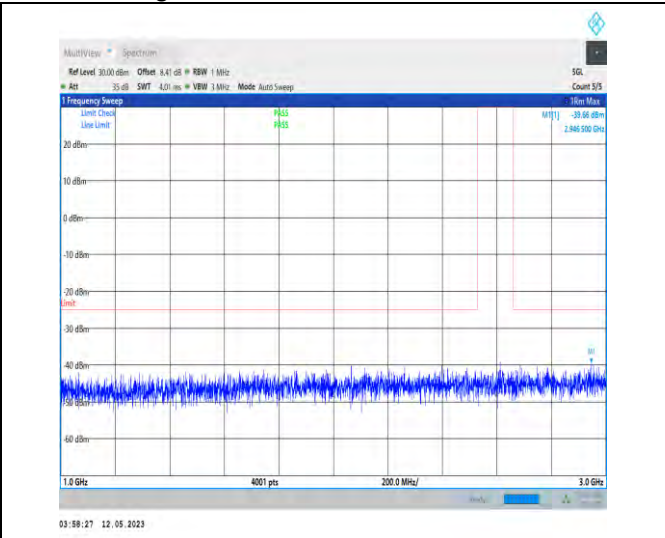


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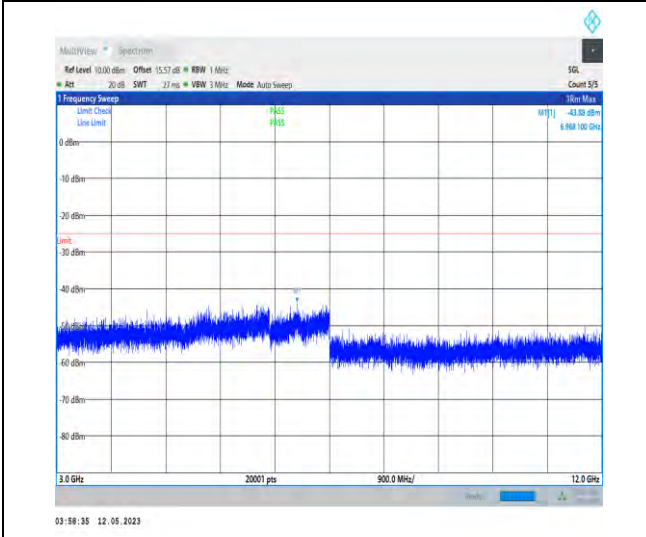
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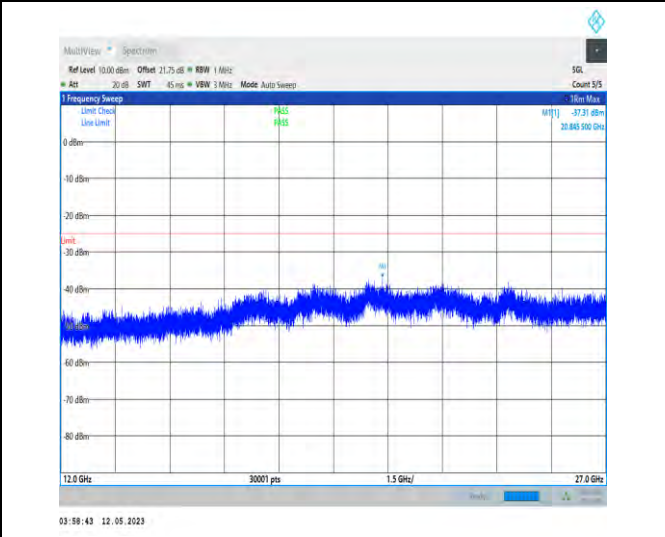
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1-N38-PC3-30-40-M-1-DFT-PI2BPSK-Inner_1RB_L ef t-1@1-1000-3000-Ant1-2946.50--39.66--25-PASS



1-N38-PC3-30-40-M-1-DFT-PI2BPSK-Inner_1RB_L eft-1@1-3000-12000-Ant1-6968.10--43.88--25-PAS S



1-N38-PC3-30-40-M-1-DFT-PI2BPSK-Inner_1RB_L ef t-1@1-12000-27000-Ant1-20845.50--37.31--25-PASS



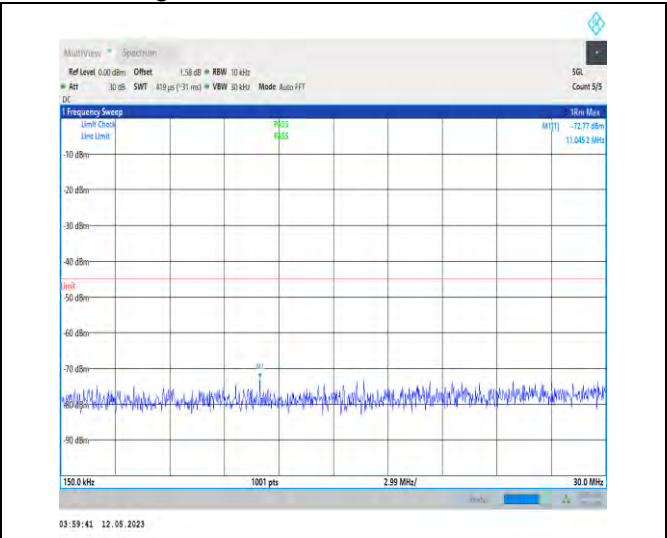
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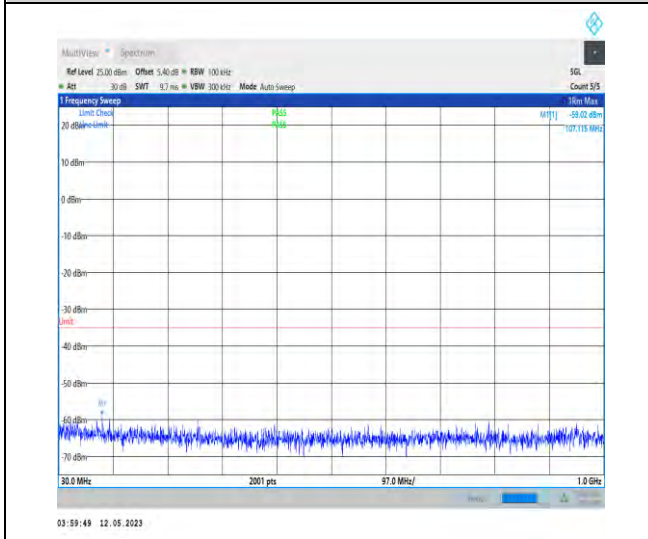
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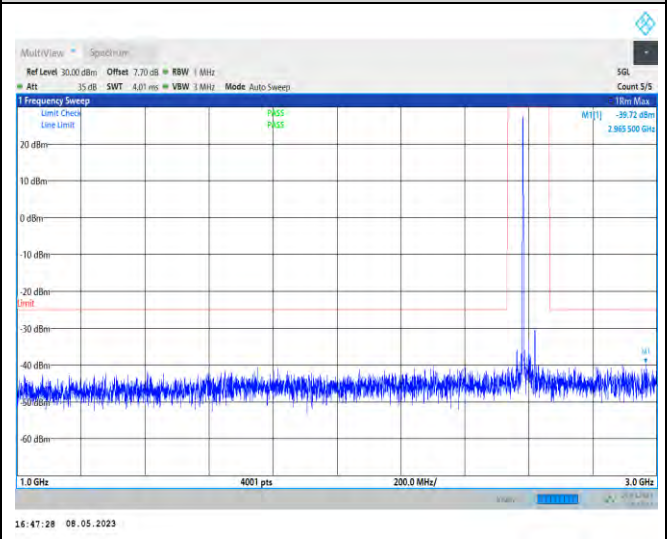
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1-N38-PC3-30-40-H-1-DFT-PI2BPSK-Inner_1RB_Lef t-1@1-0.15-30-Ant1-11.05--72.77--45-PASS



1-N38-PC3-30-40-H-1-DFT-PI2BPSK-Inner_1RB_L eft-1@1-30-1000-Ant1-107.12--59.02--35-PASS

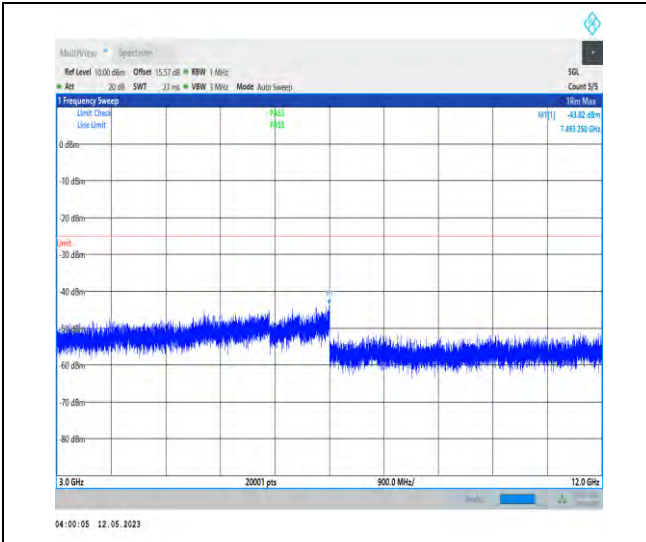


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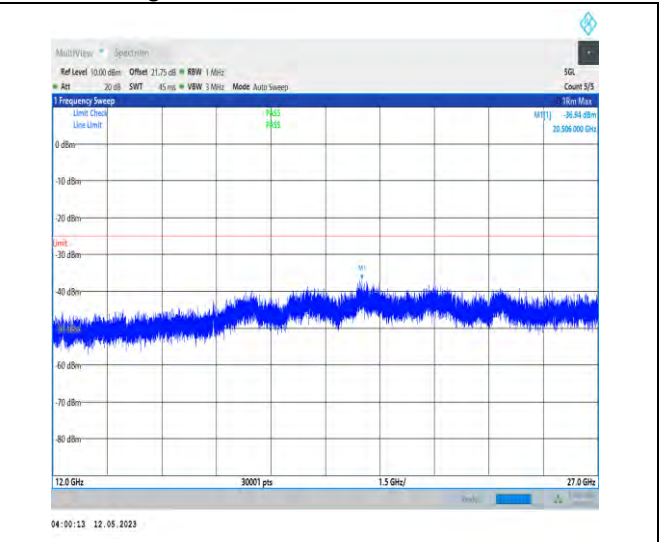


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1-N38-PC3-30-40-H-1-DFT-PI2BPSK-Inner_1RB_L
eft-1@1-3000-12000-Ant1-7493.25--43.82--25-PAS
S



1-N38-PC3-30-40-H-1-DFT-PI2BPSK-Inner_1RB_Lef
t-1@1-12000-27000-Ant1-20506.00--36.94--25-PASS



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Field Strength of Spurious Radiation

Test Band = NR SA Band38_40MHz _ TM1
 Test Channel = Low ANT0

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4271.25	43.05	-45.61	31.25	-66.57	-25.00	41.57	211	179	Horizontal
2	5144.1800	40.49	-45.33	32.96	-67.14	-25.00	42.14	145	300	Horizontal
3	7716.2700	39.45	-42.98	36.62	-62.18	-25.00	37.18	188	343	Horizontal
4	10288.3600	34.39	-39.14	38.83	-61.18	-25.00	36.18	153	269	Horizontal
5	12860.4500	31.47	-37.00	39.69	-61.10	-25.00	36.10	256	14	Horizontal
6	15432.5400	30.17	-34.11	38.67	-60.53	-25.00	35.53	219	179	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4598.25	43.85	-45.67	31.71	-65.37	-25.00	40.37	144	360	Vertical
2	5144.1800	41.02	-45.33	32.96	-66.61	-25.00	41.61	174	73	Vertical
3	7716.2700	39.63	-42.98	36.62	-62.00	-25.00	37.00	142	164	Vertical
4	10288.3600	35.24	-39.14	38.83	-60.33	-25.00	35.33	152	14	Vertical
5	12860.4500	31.84	-37.00	39.69	-60.73	-25.00	35.73	136	225	Vertical
6	15432.5400	30.30	-34.11	38.67	-60.40	-25.00	35.40	259	360	Vertical



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Report No.: SEWM2304000137RG02

Rev.: 01

Page: 49 of 60

Test Band = NR SA Band38_40MHz _ TM1

Test Channel = Mid ANT0

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4485	43.00	-45.73	31.60	-66.39	-25.00	41.39	211	149	Horizontal
2	5154.1800	41.08	-45.32	32.97	-66.54	-25.00	41.54	136	135	Horizontal
3	7731.2700	39.11	-42.86	36.65	-62.37	-25.00	37.37	256	16	Horizontal
4	10308.3600	33.52	-39.08	38.84	-61.99	-25.00	36.99	148	179	Horizontal
5	12885.4500	31.82	-37.07	39.72	-60.79	-25.00	35.79	195	104	Horizontal
6	15462.5400	30.33	-34.67	38.63	-60.97	-25.00	35.97	177	357	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4274.25	43.26	-45.60	31.25	-66.35	-25.00	41.35	214	165	Vertical
2	5154.1800	40.37	-45.32	32.97	-67.25	-25.00	42.25	136	134	Vertical
3	7731.2700	39.19	-42.86	36.65	-62.29	-25.00	37.29	259	91	Vertical
4	10308.3600	33.54	-39.08	38.84	-61.97	-25.00	36.97	191	105	Vertical
5	12885.4500	31.98	-37.07	39.72	-60.63	-25.00	35.63	174	60	Vertical
6	15462.5400	29.64	-34.67	38.63	-61.66	-25.00	36.66	158	300	Vertical



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Test Band = NR SA Band38_40MHz_TM1

Test Channel = High ANTO

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4404	43.28	-45.82	31.51	-66.28	-25.00	41.28	213	150	Horizontal
2	5164.1800	41.41	-45.31	32.97	-66.19	-25.00	41.19	258	344	Horizontal
3	7746.2700	40.23	-42.74	36.68	-61.10	-25.00	36.10	147	135	Horizontal
4	10328.3600	34.16	-39.07	38.84	-61.32	-25.00	36.32	168	314	Horizontal
5	12910.4500	31.51	-37.13	39.74	-61.14	-25.00	36.14	195	360	Horizontal
6	15492.5400	28.83	-35.23	38.58	-63.08	-25.00	38.08	148	14	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4269.75	42.99	-45.61	31.24	-66.64	-25.00	41.64	255	360	Vertical
2	5164.1800	40.41	-45.31	32.97	-67.19	-25.00	42.19	142	225	Vertical
3	7746.2700	39.76	-42.74	36.68	-61.57	-25.00	36.57	136	14	Vertical
4	10328.3600	34.05	-39.07	38.84	-61.43	-25.00	36.43	256	316	Vertical
5	12910.4500	31.66	-37.13	39.74	-60.99	-25.00	35.99	122	316	Vertical
6	15492.5400	28.59	-35.23	38.58	-63.32	-25.00	38.32	198	359	Vertical



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Test Band = NR SA Band38_40MHz _ TM1
Test Channel = Low ANT4

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4383	42.88	-45.77	31.48	-66.68	-25.00	41.68	144	269	Horizontal
2	5144.1800	40.75	-45.33	32.96	-66.88	-25.00	41.88	158	60	Horizontal
3	7716.2700	39.35	-42.98	36.62	-62.28	-25.00	37.28	147	44	Horizontal
4	10288.3600	34.39	-39.14	38.83	-61.18	-25.00	36.18	182	269	Horizontal
5	12860.4500	30.99	-37.00	39.69	-61.58	-25.00	36.58	156	60	Horizontal
6	15432.5400	29.01	-34.11	38.67	-61.69	-25.00	36.69	291	357	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4280.25	42.86	-45.59	31.26	-66.72	-25.00	41.72	211	118	Vertical
2	5144.1800	41.60	-45.33	32.96	-66.03	-25.00	41.03	154	360	Vertical
3	7716.2700	39.32	-42.98	36.62	-62.31	-25.00	37.31	148	358	Vertical
4	10288.3600	34.29	-39.14	38.83	-61.28	-25.00	36.28	175	359	Vertical
5	12860.4500	31.37	-37.00	39.69	-61.20	-25.00	36.20	166	151	Vertical
6	15432.5400	29.47	-34.11	38.67	-61.23	-25.00	36.23	258	344	Vertical



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Test Band = NR SA Band38_40MHz_TM1

Test Channel = Mid ANT4

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4415.25	43.14	-45.80	31.53	-66.40	-25.00	41.40	256	163	Horizontal
2	5154.1800	40.29	-45.32	32.97	-67.33	-25.00	42.33	142	344	Horizontal
3	7731.2700	39.44	-42.86	36.65	-62.04	-25.00	37.04	128	209	Horizontal
4	10308.3600	33.31	-39.08	38.84	-62.20	-25.00	37.20	136	43	Horizontal
5	12885.4500	30.68	-37.07	39.72	-61.93	-25.00	36.93	222	360	Horizontal
6	15462.5400	29.01	-34.67	38.63	-62.29	-25.00	37.29	192	352	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4279.5	43.35	-45.59	31.26	-66.23	-25.00	41.23	211	359	Vertical
2	5154.1800	40.37	-45.32	32.97	-67.25	-25.00	42.25	145	330	Vertical
3	7731.2700	38.94	-42.86	36.65	-62.54	-25.00	37.54	165	224	Vertical
4	10308.3600	33.42	-39.08	38.84	-62.09	-25.00	37.09	162	73	Vertical
5	12885.4500	31.20	-37.07	39.72	-61.41	-25.00	36.41	145	313	Vertical
6	15462.5400	29.64	-34.67	38.63	-61.66	-25.00	36.66	130	192	Vertical



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Test Band = NR SA Band38_40MHz_TM1

Test Channel = High ANT4

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4385.25	42.82	-45.78	31.48	-66.74	-25.00	41.74	211	3	Horizontal
2	5164.1800	40.15	-45.31	32.97	-67.45	-25.00	42.45	126	236	Horizontal
3	7746.2700	39.14	-42.74	36.68	-62.19	-25.00	37.19	154	360	Horizontal
4	10328.3600	34.08	-39.07	38.84	-61.40	-25.00	36.40	174	44	Horizontal
5	12910.4500	30.92	-37.13	39.74	-61.73	-25.00	36.73	159	357	Horizontal
6	15492.5400	27.28	-35.23	38.58	-64.63	-25.00	39.63	183	311	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4232.25	43.44	-45.70	31.17	-66.35	-25.00	41.35	213	46	Vertical
2	5164.1800	40.59	-45.31	32.97	-67.01	-25.00	42.01	251	255	Vertical
3	7746.2700	39.47	-42.74	36.68	-61.86	-25.00	36.86	142	46	Vertical
4	10328.3600	33.97	-39.07	38.84	-61.51	-25.00	36.51	136	16	Vertical
5	12910.4500	30.73	-37.13	39.74	-61.92	-25.00	36.92	251	360	Vertical
6	15492.5400	27.61	-35.23	38.58	-64.30	-25.00	39.30	150	300	Vertical



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Test Band = NR NSA 66A-n38A_ TM1

Test Channel = Low ANT0

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3503.25	44.36	-46.26	29.52	-67.63	-25.00	42.63	254	74	Horizontal
2	5144.1800	40.66	-45.33	32.96	-66.97	-25.00	41.97	126	330	Horizontal
3	7716.2700	39.40	-42.98	36.62	-62.23	-25.00	37.23	258	270	Horizontal
4	10288.3600	35.06	-39.14	38.83	-60.51	-25.00	35.51	174	179	Horizontal
5	12860.4500	33.14	-37.00	39.69	-59.43	-25.00	34.43	153	179	Horizontal
6	15432.5400	32.17	-34.11	38.67	-58.53	-25.00	33.53	261	74	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3495.75	44.15	-46.26	29.52	-67.85	-25.00	42.85	214	325	Vertical
2	5144.1800	40.92	-45.33	32.96	-66.71	-25.00	41.71	159	94	Vertical
3	7716.2700	39.85	-42.98	36.62	-61.78	-25.00	36.78	186	80	Vertical
4	10288.3600	35.45	-39.14	38.83	-60.12	-25.00	35.12	126	140	Vertical
5	12860.4500	32.79	-37.00	39.69	-59.78	-25.00	34.78	236	308	Vertical
6	15432.5400	31.87	-34.11	38.67	-58.83	-25.00	33.83	251	202	Vertical



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Test Band = NR NSA 66A-n38A_ TM1

Test Channel = Mid ANT0

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3545.25	44.08	-46.20	29.56	-67.82	-25.00	42.82	211	286	Horizontal
2	5154.1800	41.12	-45.32	32.97	-66.50	-25.00	41.50	145	165	Horizontal
3	7731.2700	39.79	-42.86	36.65	-61.69	-25.00	36.69	126	46	Horizontal
4	10308.3600	33.93	-39.08	38.84	-61.58	-25.00	36.58	188	195	Horizontal
5	12885.4500	32.20	-37.07	39.72	-60.41	-25.00	35.41	165	29	Horizontal
6	15462.5400	31.62	-34.67	38.63	-59.68	-25.00	34.68	218	360	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3569.25	43.82	-46.17	29.58	-68.03	-25.00	43.03	255	287	Vertical
2	5154.1800	40.65	-45.32	32.97	-66.97	-25.00	41.97	142	164	Vertical
3	7731.2700	39.66	-42.86	36.65	-61.82	-25.00	36.82	188	61	Vertical
4	10308.3600	34.39	-39.08	38.84	-61.12	-25.00	36.12	136	44	Vertical
5	12885.4500	33.10	-37.07	39.72	-59.51	-25.00	34.51	251	357	Vertical
6	15462.5400	31.52	-34.67	38.63	-59.78	-25.00	34.78	199	316	Vertical



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Test Band = NR NSA 66A-n38A_ TM1

Test Channel = High ANT0

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3808.5	43.21	-45.95	30.35	-67.65	-25.00	42.65	245	29	Horizontal
2	5164.1800	40.24	-45.31	32.97	-67.36	-25.00	42.36	156	164	Horizontal
3	7746.2700	39.19	-42.74	36.68	-62.14	-25.00	37.14	136	104	Horizontal
4	10328.3600	33.95	-39.07	38.84	-61.53	-25.00	36.53	251	45	Horizontal
5	12910.4500	31.64	-37.13	39.74	-61.01	-25.00	36.01	148	360	Horizontal
6	15492.5400	29.33	-35.23	38.58	-62.58	-25.00	37.58	195	16	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3489	43.82	-46.26	29.51	-68.19	-25.00	43.19	214	90	Vertical
2	5164.1800	40.87	-45.31	32.97	-66.73	-25.00	41.73	158	4	Vertical
3	7746.2700	39.13	-42.74	36.68	-62.20	-25.00	37.20	174	75	Vertical
4	10328.3600	34.33	-39.07	38.84	-61.15	-25.00	36.15	156	61	Vertical
5	12910.4500	31.46	-37.13	39.74	-61.19	-25.00	36.19	136	242	Vertical
6	15492.5400	29.07	-35.23	38.58	-62.84	-25.00	37.84	251	90	Vertical



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Test Band = NR NSA 66A-n38A_ TM1

Test Channel = Low ANT4

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3955.5	43.54	-46.15	30.70	-67.17	-25.00	42.17	255	43	Horizontal
2	5144.1800	40.55	-45.33	32.96	-67.08	-25.00	42.08	142	240	Horizontal
3	7716.2700	39.30	-42.98	36.62	-62.33	-25.00	37.33	156	357	Horizontal
4	10288.3600	34.27	-39.14	38.83	-61.30	-25.00	36.30	256	60	Horizontal
5	12860.4500	30.99	-37.00	39.69	-61.58	-25.00	36.58	239	165	Horizontal
6	15432.5400	29.88	-34.11	38.67	-60.82	-25.00	35.82	219	359	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3785.25	42.91	-45.86	30.28	-67.93	-25.00	42.93	211	57	Vertical
2	5144.1800	40.87	-45.33	32.96	-66.76	-25.00	41.76	145	194	Vertical
3	7716.2700	39.10	-42.98	36.62	-62.53	-25.00	37.53	188	360	Vertical
4	10288.3600	33.61	-39.14	38.83	-61.96	-25.00	36.96	152	224	Vertical
5	12860.4500	31.14	-37.00	39.69	-61.43	-25.00	36.43	190	74	Vertical
6	15432.5400	29.90	-34.11	38.67	-60.80	-25.00	35.80	125	344	Vertical



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Test Band = NR NSA 66A-n38A_ TM1

Test Channel = Mid ANT4

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3669.75	43.25	-45.69	29.86	-67.84	-25.00	42.84	241	360	Horizontal
2	5154.1800	40.04	-45.32	32.97	-67.58	-25.00	42.58	165	238	Horizontal
3	7731.2700	39.51	-42.86	36.65	-61.97	-25.00	36.97	153	238	Horizontal
4	10308.3600	33.67	-39.08	38.84	-61.84	-25.00	36.84	281	360	Horizontal
5	12885.4500	32.04	-37.07	39.72	-60.57	-25.00	35.57	170	134	Horizontal
6	15462.5400	29.72	-34.67	38.63	-61.58	-25.00	36.58	130	88	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3785.25	43.29	-45.86	30.28	-67.55	-25.00	42.55	255	60	Vertical
2	5154.1800	40.71	-45.32	32.97	-66.91	-25.00	41.91	145	179	Vertical
3	7731.2700	39.19	-42.86	36.65	-62.29	-25.00	37.29	126	3	Vertical
4	10308.3600	33.51	-39.08	38.84	-62.00	-25.00	37.00	185	43	Vertical
5	12885.4500	30.85	-37.07	39.72	-61.76	-25.00	36.76	196	14	Vertical
6	15462.5400	30.01	-34.67	38.63	-61.29	-25.00	36.29	231	358	Vertical



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Test Band = NR NSA 66A-n38A_ TM1

Test Channel = High ANT4

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3585.75	43.35	-46.15	29.60	-68.46	-25.00	43.46	211	195	Horizontal
2	5164.1800	40.59	-45.31	32.97	-67.01	-25.00	42.01	145	360	Horizontal
3	7746.2700	39.51	-42.74	36.68	-61.82	-25.00	36.82	128	44	Horizontal
4	10328.3600	33.57	-39.07	38.84	-61.91	-25.00	36.91	153	353	Horizontal
5	12910.4500	31.39	-37.13	39.74	-61.26	-25.00	36.26	255	4	Horizontal
6	15492.5400	28.74	-35.23	38.58	-63.17	-25.00	38.17	146	360	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3775.5	42.63	-45.82	30.24	-68.21	-25.00	43.21	214	29	Vertical
2	5164.1800	40.32	-45.31	32.97	-67.28	-25.00	42.28	154	359	Vertical
3	7746.2700	39.84	-42.74	36.68	-61.49	-25.00	36.49	174	150	Vertical
4	10328.3600	34.29	-39.07	38.84	-61.19	-25.00	36.19	152	90	Vertical
5	12910.4500	31.63	-37.13	39.74	-61.02	-25.00	36.02	163	118	Vertical
6	15492.5400	28.62	-35.23	38.58	-63.29	-25.00	38.29	256	178	Vertical

Remark:

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

AF = Antenna Factor(dB/m)

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

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N38	30	40	DFT-PI2BPSK	M	Outer_Full	VH	NT	-10.200000	-0.003931	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	VN	NT	1.100000	0.000424	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	VL	NT	1.800000	0.000694	PASS
N38	30	40	CP-QPSK	M	Outer_Full	VH	NT	-1.000000	-0.000385	PASS
N38	30	40	CP-QPSK	M	Outer_Full	VN	NT	4.100000	0.001580	PASS
N38	30	40	CP-QPSK	M	Outer_Full	VL	NT	-4.800000	-0.001850	PASS

Frequency Error VS. Temperature

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	-30	-0.100000	-0.000039	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	-20	-0.300000	-0.000116	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	-10	-6.000000	-0.002312	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	0	8.900000	0.003430	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	10	-4.400000	-0.001696	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	20	-5.100000	-0.001965	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	30	-2.300000	-0.000886	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	40	-2.800000	-0.001079	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	50	-1.100000	-0.000424	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	-30	-2.900000	-0.001118	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	-20	-3.700000	-0.001426	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	-10	-7.900000	-0.003044	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	0	4.100000	0.001580	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	10	-4.700000	-0.001811	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	20	-3.000000	-0.001156	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	30	0.700000	0.000270	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	40	-1.300000	-0.000501	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	50	-5.400000	-0.002081	PASS

---End of Attachment---



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