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Appendix B.27

NR Band n38



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Effective (Isotropic) Radiated Power Output Data for SA

Test Result

Ant31:

Band	SCS	Band width	Modulation	Channel	RB Config	Power (dBm)	EIRP (dBm)	Limit	Verdict
N38	30	10	DFT-PI2BPSK	L	Inner_1RB_Left	23.90	26.20	33.00	PASS
N38	30	10	DFT-PI2BPSK	L	Inner_1RB_Right	23.82	26.12	33.00	PASS
N38	30	10	DFT-PI2BPSK	L	Outer_Full	23.39	25.69	33.00	PASS
N38	30	10	DFT-QPSK	L	Inner_1RB_Left	18.08	20.38	33.00	PASS
N38	30	10	DFT-QPSK	L	Inner_1RB_Right	23.80	26.10	33.00	PASS
N38	30	10	DFT-QPSK	L	Outer_Full	22.90	25.20	33.00	PASS
N38	30	10	DFT-16QAM	L	Inner_1RB_Left	23.29	25.59	33.00	PASS
N38	30	10	DFT-16QAM	L	Inner_1RB_Right	23.25	25.55	33.00	PASS
N38	30	10	DFT-16QAM	L	Outer_Full	21.97	24.27	33.00	PASS
N38	30	10	DFT-64QAM	L	Inner_1RB_Left	21.19	23.49	33.00	PASS
N38	30	10	DFT-64QAM	L	Inner_1RB_Right	21.14	23.44	33.00	PASS
N38	30	10	DFT-64QAM	L	Outer_Full	21.39	23.69	33.00	PASS
N38	30	10	DFT-256QAM	L	Inner_1RB_Left	19.26	21.56	33.00	PASS
N38	30	10	DFT-256QAM	L	Inner_1RB_Right	19.24	21.54	33.00	PASS
N38	30	10	DFT-256QAM	L	Outer_Full	19.37	21.67	33.00	PASS
N38	30	10	DFT-PI2BPSK	M	Inner_1RB_Left	23.64	25.94	33.00	PASS
N38	30	10	DFT-PI2BPSK	M	Inner_1RB_Right	23.86	26.16	33.00	PASS
N38	30	10	DFT-PI2BPSK	M	Outer_Full	23.38	25.68	33.00	PASS
N38	30	10	DFT-QPSK	M	Inner_1RB_Left	23.64	25.94	33.00	PASS
N38	30	10	DFT-QPSK	M	Inner_1RB_Right	23.92	26.22	33.00	PASS
N38	30	10	DFT-QPSK	M	Outer_Full	22.89	25.19	33.00	PASS
N38	30	10	DFT-16QAM	M	Inner_1RB_Left	22.64	24.94	33.00	PASS
N38	30	10	DFT-16QAM	M	Inner_1RB_Right	22.92	25.22	33.00	PASS
N38	30	10	DFT-16QAM	M	Outer_Full	21.92	24.22	33.00	PASS
N38	30	10	DFT-64QAM	M	Inner_1RB_Left	21.07	23.37	33.00	PASS
N38	30	10	DFT-64QAM	M	Inner_1RB_Right	21.34	23.64	33.00	PASS
N38	30	10	DFT-64QAM	M	Outer_Full	21.39	23.69	33.00	PASS
N38	30	10	DFT-256QAM	M	Inner_1RB_Left	18.87	21.17	33.00	PASS
N38	30	10	DFT-256QAM	M	Inner_1RB_Right	19.23	21.53	33.00	PASS



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N38	30	10	DFT-256QAM	M	Outer_Full	19.24	21.54	33.00	PASS
N38	30	10	DFT-PI2BPSK	H	Inner_1RB_Left	23.93	26.23	33.00	PASS
N38	30	10	DFT-PI2BPSK	H	Inner_1RB_Right	23.88	26.18	33.00	PASS
N38	30	10	DFT-PI2BPSK	H	Outer_Full	23.49	25.79	33.00	PASS
N38	30	10	DFT-QPSK	H	Inner_1RB_Left	23.72	26.02	33.00	PASS
N38	30	10	DFT-QPSK	H	Inner_1RB_Right	23.79	26.09	33.00	PASS
N38	30	10	DFT-QPSK	H	Outer_Full	22.99	25.29	33.00	PASS
N38	30	10	DFT-16QAM	H	Inner_1RB_Left	23.33	25.63	33.00	PASS
N38	30	10	DFT-16QAM	H	Inner_1RB_Right	23.23	25.53	33.00	PASS
N38	30	10	DFT-16QAM	H	Outer_Full	21.97	24.27	33.00	PASS
N38	30	10	DFT-64QAM	H	Inner_1RB_Left	21.26	23.56	33.00	PASS
N38	30	10	DFT-64QAM	H	Inner_1RB_Right	21.17	23.47	33.00	PASS
N38	30	10	DFT-64QAM	H	Outer_Full	21.51	23.81	33.00	PASS
N38	30	10	DFT-256QAM	H	Inner_1RB_Left	19.30	21.60	33.00	PASS
N38	30	10	DFT-256QAM	H	Inner_1RB_Right	19.33	21.63	33.00	PASS
N38	30	10	DFT-256QAM	H	Outer_Full	19.44	21.74	33.00	PASS
N38	30	15	DFT-PI2BPSK	L	Inner_1RB_Left	23.79	26.09	33.00	PASS
N38	30	15	DFT-PI2BPSK	L	Inner_1RB_Right	23.93	26.23	33.00	PASS
N38	30	15	DFT-PI2BPSK	L	Outer_Full	23.47	25.77	33.00	PASS
N38	30	15	DFT-QPSK	L	Inner_1RB_Left	18.05	20.35	33.00	PASS
N38	30	15	DFT-QPSK	L	Inner_1RB_Right	23.88	26.18	33.00	PASS
N38	30	15	DFT-QPSK	L	Outer_Full	23.01	25.31	33.00	PASS
N38	30	15	DFT-16QAM	L	Inner_1RB_Left	23.18	25.48	33.00	PASS
N38	30	15	DFT-16QAM	L	Inner_1RB_Right	23.38	25.68	33.00	PASS
N38	30	15	DFT-16QAM	L	Outer_Full	21.97	24.27	33.00	PASS
N38	30	15	DFT-64QAM	L	Inner_1RB_Left	21.06	23.36	33.00	PASS
N38	30	15	DFT-64QAM	L	Inner_1RB_Right	21.20	23.50	33.00	PASS
N38	30	15	DFT-64QAM	L	Outer_Full	21.51	23.81	33.00	PASS
N38	30	15	DFT-256QAM	L	Inner_1RB_Left	19.16	21.46	33.00	PASS
N38	30	15	DFT-256QAM	L	Inner_1RB_Right	19.37	21.67	33.00	PASS
N38	30	15	DFT-256QAM	L	Outer_Full	19.46	21.76	33.00	PASS
N38	30	15	DFT-PI2BPSK	M	Inner_1RB_Left	23.65	25.95	33.00	PASS
N38	30	15	DFT-PI2BPSK	M	Inner_1RB_Right	23.91	26.21	33.00	PASS
N38	30	15	DFT-PI2BPSK	M	Outer_Full	23.48	25.78	33.00	PASS
N38	30	15	DFT-QPSK	M	Inner_1RB_Left	23.56	25.86	33.00	PASS
N38	30	15	DFT-QPSK	M	Inner_1RB_Right	23.85	26.15	33.00	PASS
N38	30	15	DFT-QPSK	M	Outer_Full	22.98	25.28	33.00	PASS
N38	30	15	DFT-16QAM	M	Inner_1RB_Left	23.02	25.32	33.00	PASS



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N38	30	15	DFT-16QAM	M	Inner_1RB_Right	23.30	25.60	33.00	PASS
N38	30	15	DFT-16QAM	M	Outer_Full	21.99	24.29	33.00	PASS
N38	30	15	DFT-64QAM	M	Inner_1RB_Left	20.95	23.25	33.00	PASS
N38	30	15	DFT-64QAM	M	Inner_1RB_Right	21.18	23.48	33.00	PASS
N38	30	15	DFT-64QAM	M	Outer_Full	21.57	23.87	33.00	PASS
N38	30	15	DFT-256QAM	M	Inner_1RB_Left	19.02	21.32	33.00	PASS
N38	30	15	DFT-256QAM	M	Inner_1RB_Right	19.28	21.58	33.00	PASS
N38	30	15	DFT-256QAM	M	Outer_Full	19.50	21.80	33.00	PASS
N38	30	15	DFT-PI2BPSK	H	Inner_1RB_Left	23.71	26.01	33.00	PASS
N38	30	15	DFT-PI2BPSK	H	Inner_1RB_Right	23.87	26.17	33.00	PASS
N38	30	15	DFT-PI2BPSK	H	Outer_Full	23.52	25.82	33.00	PASS
N38	30	15	DFT-QPSK	H	Inner_1RB_Left	23.62	25.92	33.00	PASS
N38	30	15	DFT-QPSK	H	Inner_1RB_Right	23.74	26.04	33.00	PASS
N38	30	15	DFT-QPSK	H	Outer_Full	23.00	25.30	33.00	PASS
N38	30	15	DFT-16QAM	H	Inner_1RB_Left	23.13	25.43	33.00	PASS
N38	30	15	DFT-16QAM	H	Inner_1RB_Right	23.31	25.61	33.00	PASS
N38	30	15	DFT-16QAM	H	Outer_Full	22.03	24.33	33.00	PASS
N38	30	15	DFT-64QAM	H	Inner_1RB_Left	20.95	23.25	33.00	PASS
N38	30	15	DFT-64QAM	H	Inner_1RB_Right	21.19	23.49	33.00	PASS
N38	30	15	DFT-64QAM	H	Outer_Full	21.54	23.84	33.00	PASS
N38	30	15	DFT-256QAM	H	Inner_1RB_Left	19.11	21.41	33.00	PASS
N38	30	15	DFT-256QAM	H	Inner_1RB_Right	19.22	21.52	33.00	PASS
N38	30	15	DFT-256QAM	H	Outer_Full	19.51	21.81	33.00	PASS
N38	30	20	DFT-PI2BPSK	L	Inner_1RB_Left	23.51	25.81	33.00	PASS
N38	30	20	DFT-PI2BPSK	L	Inner_1RB_Right	23.66	25.96	33.00	PASS
N38	30	20	DFT-PI2BPSK	L	Outer_Full	23.43	25.73	33.00	PASS
N38	30	20	DFT-QPSK	L	Inner_1RB_Left	23.42	25.72	33.00	PASS
N38	30	20	DFT-QPSK	L	Inner_1RB_Right	23.57	25.87	33.00	PASS
N38	30	20	DFT-QPSK	L	Outer_Full	12.93	15.23	33.00	PASS
N38	30	20	DFT-16QAM	L	Inner_1RB_Left	17.73	20.03	33.00	PASS
N38	30	20	DFT-16QAM	L	Inner_1RB_Right	23.00	25.30	33.00	PASS
N38	30	20	DFT-16QAM	L	Outer_Full	21.93	24.23	33.00	PASS
N38	30	20	DFT-64QAM	L	Inner_1RB_Left	20.86	23.16	33.00	PASS
N38	30	20	DFT-64QAM	L	Inner_1RB_Right	21.02	23.32	33.00	PASS
N38	30	20	DFT-64QAM	L	Outer_Full	21.41	23.71	33.00	PASS
N38	30	20	DFT-256QAM	L	Inner_1RB_Left	18.90	21.20	33.00	PASS
N38	30	20	DFT-256QAM	L	Inner_1RB_Right	18.99	21.29	33.00	PASS
N38	30	20	DFT-256QAM	L	Outer_Full	19.38	21.68	33.00	PASS



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N38	30	20	DFT-PI2BPSK	M	Inner_1RB_Left	23.41	25.71	33.00	PASS
N38	30	20	DFT-PI2BPSK	M	Inner_1RB_Right	23.61	25.91	33.00	PASS
N38	30	20	DFT-PI2BPSK	M	Outer_Full	23.45	25.75	33.00	PASS
N38	30	20	DFT-QPSK	M	Inner_1RB_Left	23.33	25.63	33.00	PASS
N38	30	20	DFT-QPSK	M	Inner_1RB_Right	23.54	25.84	33.00	PASS
N38	30	20	DFT-QPSK	M	Outer_Full	22.96	25.26	33.00	PASS
N38	30	20	DFT-16QAM	M	Inner_1RB_Left	22.77	25.07	33.00	PASS
N38	30	20	DFT-16QAM	M	Inner_1RB_Right	22.98	25.28	33.00	PASS
N38	30	20	DFT-16QAM	M	Outer_Full	21.94	24.24	33.00	PASS
N38	30	20	DFT-64QAM	M	Inner_1RB_Left	20.86	23.16	33.00	PASS
N38	30	20	DFT-64QAM	M	Inner_1RB_Right	21.04	23.34	33.00	PASS
N38	30	20	DFT-64QAM	M	Outer_Full	21.47	23.77	33.00	PASS
N38	30	20	DFT-256QAM	M	Inner_1RB_Left	18.83	21.13	33.00	PASS
N38	30	20	DFT-256QAM	M	Inner_1RB_Right	19.04	21.34	33.00	PASS
N38	30	20	DFT-256QAM	M	Outer_Full	19.39	21.69	33.00	PASS
N38	30	20	DFT-PI2BPSK	H	Inner_1RB_Left	23.38	25.68	33.00	PASS
N38	30	20	DFT-PI2BPSK	H	Inner_1RB_Right	23.61	25.91	33.00	PASS
N38	30	20	DFT-PI2BPSK	H	Outer_Full	23.46	25.76	33.00	PASS
N38	30	20	DFT-QPSK	H	Inner_1RB_Left	23.30	25.60	33.00	PASS
N38	30	20	DFT-QPSK	H	Inner_1RB_Right	23.53	25.83	33.00	PASS
N38	30	20	DFT-QPSK	H	Outer_Full	23.00	25.30	33.00	PASS
N38	30	20	DFT-16QAM	H	Inner_1RB_Left	22.70	25.00	33.00	PASS
N38	30	20	DFT-16QAM	H	Inner_1RB_Right	23.01	25.31	33.00	PASS
N38	30	20	DFT-16QAM	H	Outer_Full	21.97	24.27	33.00	PASS
N38	30	20	DFT-64QAM	H	Inner_1RB_Left	20.75	23.05	33.00	PASS
N38	30	20	DFT-64QAM	H	Inner_1RB_Right	20.99	23.29	33.00	PASS
N38	30	20	DFT-64QAM	H	Outer_Full	21.41	23.71	33.00	PASS
N38	30	20	DFT-256QAM	H	Inner_1RB_Left	18.73	21.03	33.00	PASS
N38	30	20	DFT-256QAM	H	Inner_1RB_Right	19.06	21.36	33.00	PASS
N38	30	20	DFT-256QAM	H	Outer_Full	19.40	21.70	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	20	DFT-256QAM	L	Outer_Full	100%	0.00	9.07	≤13	PASS
N38	30	20	CP-256QAM	L	Outer_Full	100%	0.00	9.30	≤13	PASS
N38	30	20	DFT-256QAM	M	Outer_Full	100%	0.00	9.48	≤13	PASS
N38	30	20	CP-256QAM	M	Outer_Full	100%	0.00	9.40	≤13	PASS
N38	30	20	DFT-256QAM	H	Outer_Full	100%	0.00	9.22	≤13	PASS
N38	30	20	CP-256QAM	H	Outer_Full	100%	0.00	9.56	≤13	PASS



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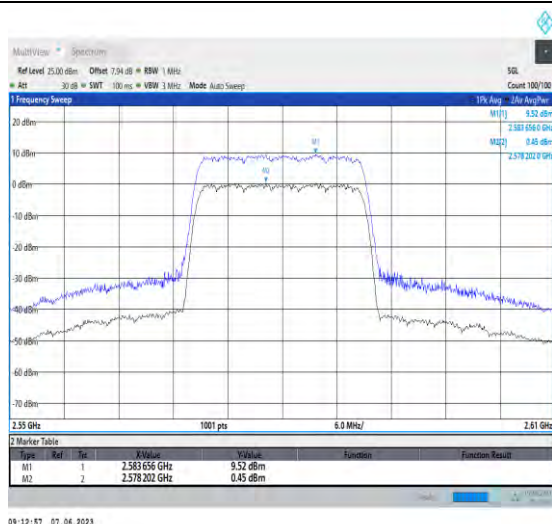
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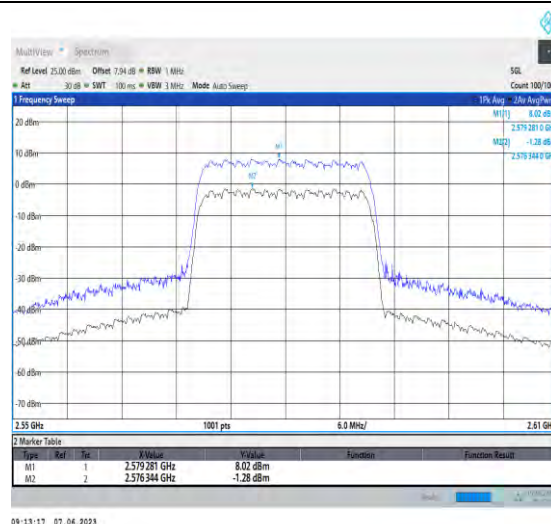
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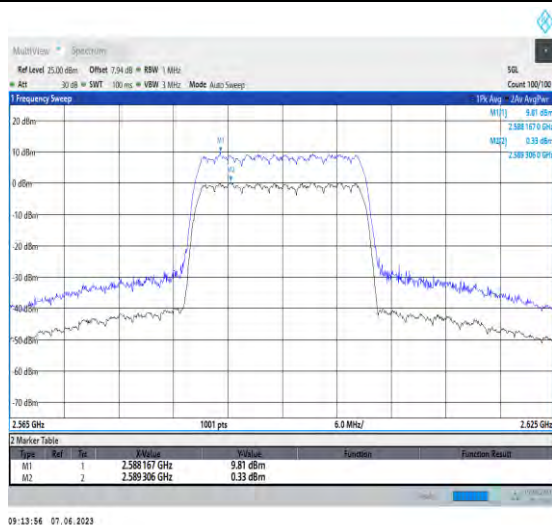
Test Graphs



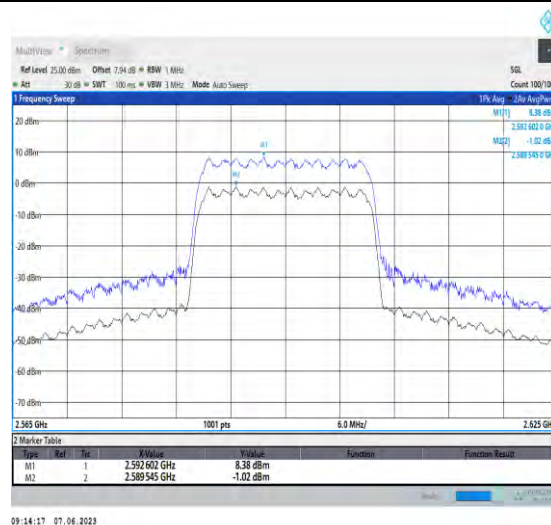
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0-Ant1-9.07-100%-0.00-9.07-PASS-≤13



1-N38-PC3-30-20-L-2-CP-256QAM-Outer_Full-51@
0-Ant1-9.30-100%-0.00-9.30-PASS-≤13



1-N38-PC3-30-20-M-1-DFT-256QAM-Outer_Full-50
@0-Ant1-9.48-100%-0.00-9.48-PASS-≤13



1-N38-PC3-30-20-M-2-CP-256QAM-Outer_Full-51
@0-Ant1-9.40-100%-0.00-9.40-PASS-≤13



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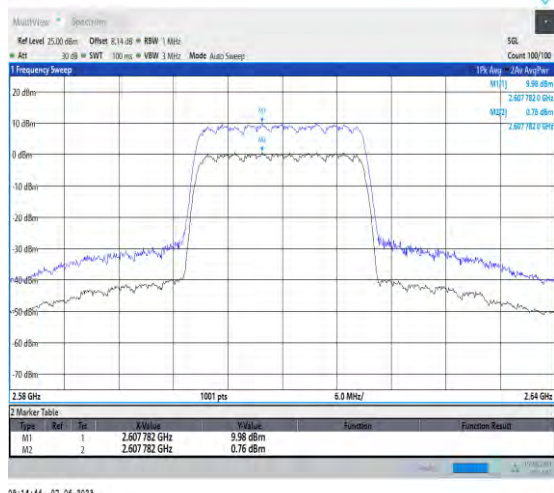
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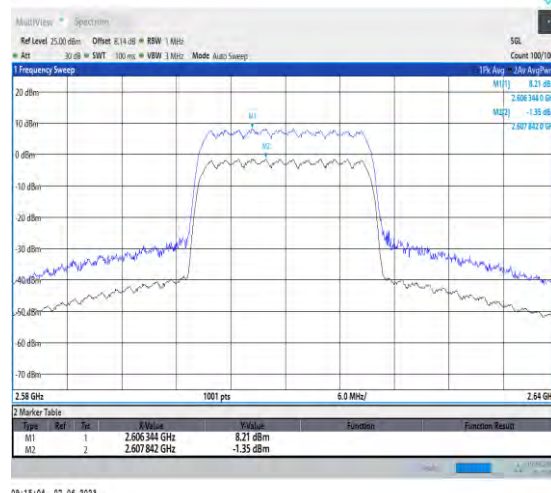
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1-N38-PC3-30-20-H-1-DFT-256QAM-Outer_Full-50
@0-Ant1-9.22-100%-0.00-9.22-PASS≤13



1-N38-PC3-30-20-H-2-CP-256QAM-Outer_Full-51@
0-Ant1-9.56-100%-0.00-9.56-PASS≤13



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Modulation characteristics for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N38	30	20	DFT-PI2BPSK	M	Outer_Full	see graph	PASS
N38	30	20	DFT-QPSK	M	Outer_Full	see graph	PASS
N38	30	20	DFT-16QAM	M	Outer_Full	see graph	PASS
N38	30	20	DFT-64QAM	M	Outer_Full	see graph	PASS
N38	30	20	DFT-256QAM	M	Outer_Full	see graph	PASS
N38	30	20	CP-QPSK	M	Outer_Full	see graph	PASS
N38	30	20	CP-16QAM	M	Outer_Full	see graph	PASS
N38	30	20	CP-64QAM	M	Outer_Full	see graph	PASS
N38	30	20	CP-256QAM	M	Outer_Full	see graph	PASS



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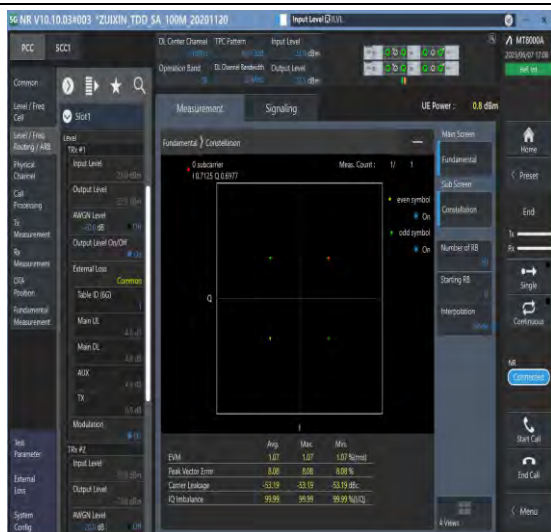
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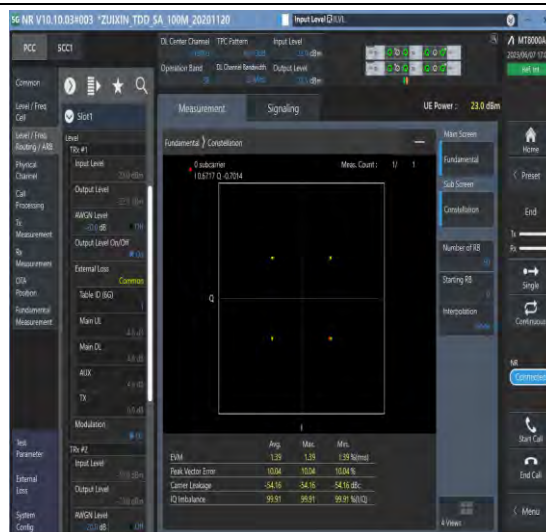
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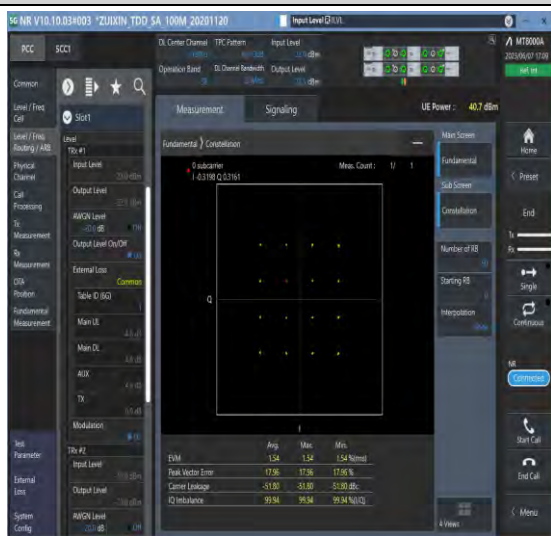
Test Graphs



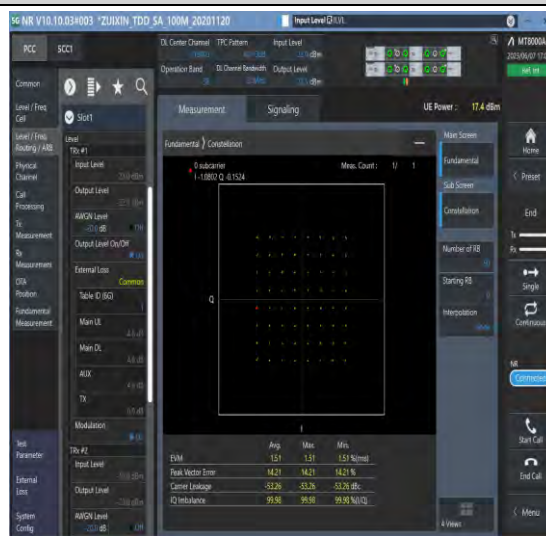
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@0-Ant1-see graph-PASS



1-N38-PC3-30-20-M-2-DFT-QPSK-Outter_Full-50@
0-Ant1-see graph-PASS



1-N38-PC3-30-20-M-3-DFT-16QAM-Outter_Full-50@
0-Ant1-see graph-PASS



1-N38-PC3-30-20-M-4-DFT-64QAM-Outter_Full-50
@0-Ant1-see graph-PASS



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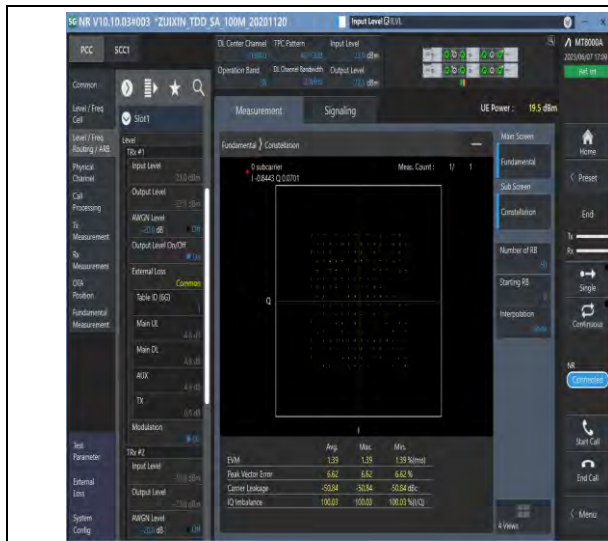
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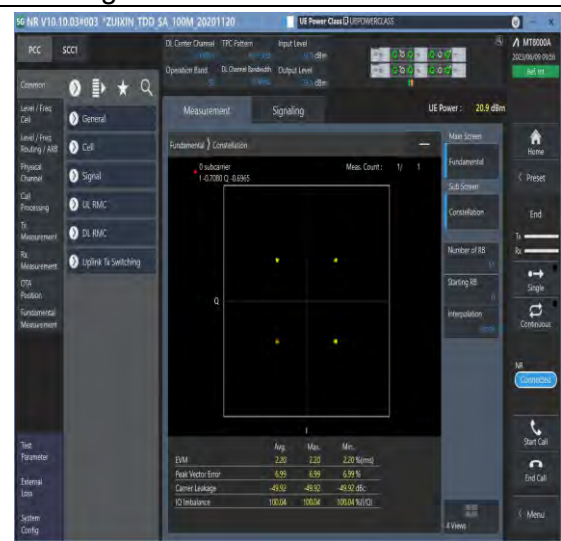
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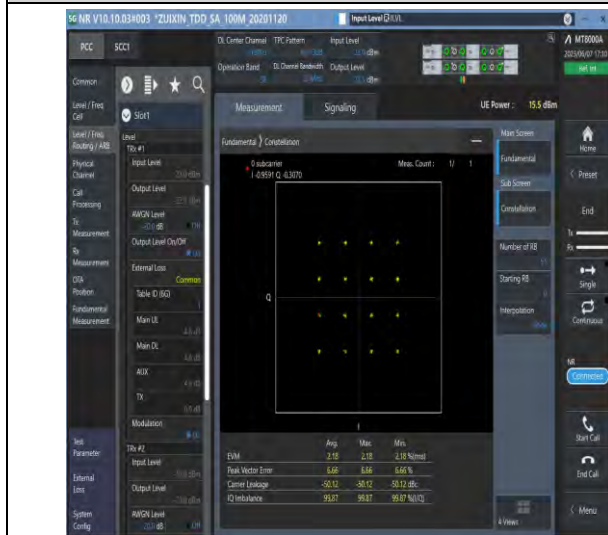
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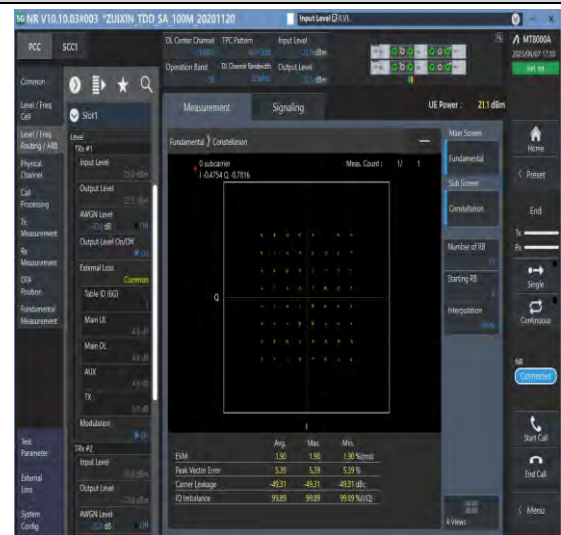
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@0-Ant1-see graph-PASS



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



1-N38-PC3-30-20-M-7-CP-16QAM-Outer_Full-51@0-Ant1-see graph-PASS



1-N38-PC3-30-20-M-8-CP-64QAM-Outer_Full-51@0-Ant1-see graph-PASS



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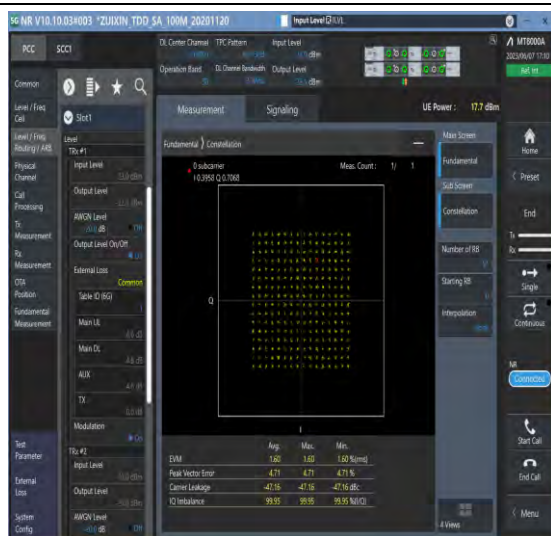
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1-N38-PC3-30-20-M-9-CP-256QAM-Outer_Full-51@0-Ant1-see graph-PASS



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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
N38	30	10	DFT-QPSK	L	Outer_Full	8.579	9.520	PASS
N38	30	10	DFT-PI2BPSK	L	Outer_Full	8.588	9.400	PASS
N38	30	10	DFT-16QAM	L	Outer_Full	8.571	9.400	PASS
N38	30	10	DFT-64QAM	L	Outer_Full	8.59	9.460	PASS
N38	30	10	DFT-256QAM	L	Outer_Full	8.587	9.520	PASS
N38	30	10	CP-QPSK	L	Outer_Full	8.581	9.500	PASS
N38	30	10	CP-16QAM	L	Outer_Full	8.575	9.520	PASS
N38	30	10	CP-64QAM	L	Outer_Full	8.572	9.400	PASS
N38	30	10	CP-256QAM	L	Outer_Full	8.582	9.560	PASS
N38	30	10	DFT-QPSK	M	Outer_Full	8.591	9.380	PASS
N38	30	10	DFT-PI2BPSK	M	Outer_Full	8.61	9.420	PASS
N38	30	10	DFT-16QAM	M	Outer_Full	8.612	9.520	PASS
N38	30	10	DFT-64QAM	M	Outer_Full	8.608	9.460	PASS
N38	30	10	DFT-256QAM	M	Outer_Full	8.607	9.240	PASS
N38	30	10	CP-QPSK	M	Outer_Full	8.585	9.580	PASS
N38	30	10	CP-16QAM	M	Outer_Full	8.591	9.500	PASS
N38	30	10	CP-64QAM	M	Outer_Full	8.567	9.420	PASS
N38	30	10	CP-256QAM	M	Outer_Full	8.603	9.500	PASS
N38	30	10	DFT-QPSK	H	Outer_Full	8.604	9.540	PASS
N38	30	10	DFT-PI2BPSK	H	Outer_Full	8.605	9.480	PASS
N38	30	10	DFT-16QAM	H	Outer_Full	8.59	9.380	PASS
N38	30	10	DFT-64QAM	H	Outer_Full	8.603	9.440	PASS
N38	30	10	DFT-256QAM	H	Outer_Full	8.584	9.440	PASS
N38	30	10	CP-QPSK	H	Outer_Full	8.581	9.460	PASS
N38	30	10	CP-16QAM	H	Outer_Full	8.586	9.620	PASS
N38	30	10	CP-64QAM	H	Outer_Full	8.564	9.460	PASS
N38	30	10	CP-256QAM	H	Outer_Full	8.587	9.540	PASS
N38	30	15	DFT-QPSK	L	Outer_Full	12.89	14.280	PASS
N38	30	15	DFT-PI2BPSK	L	Outer_Full	12.893	14.220	PASS
N38	30	15	DFT-16QAM	L	Outer_Full	12.921	14.280	PASS
N38	30	15	DFT-64QAM	L	Outer_Full	12.887	14.190	PASS



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N38	30	15	DFT-256QAM	L	Outer_Full	12.919	14.100	PASS
N38	30	15	CP-QPSK	L	Outer_Full	13.582	14.850	PASS
N38	30	15	CP-16QAM	L	Outer_Full	13.633	14.790	PASS
N38	30	15	CP-64QAM	L	Outer_Full	13.604	14.820	PASS
N38	30	15	CP-256QAM	L	Outer_Full	13.556	14.790	PASS
N38	30	15	DFT-QPSK	M	Outer_Full	12.896	14.250	PASS
N38	30	15	DFT-PI2BPSK	M	Outer_Full	12.899	14.190	PASS
N38	30	15	DFT-16QAM	M	Outer_Full	12.918	14.220	PASS
N38	30	15	DFT-64QAM	M	Outer_Full	12.88	14.070	PASS
N38	30	15	DFT-256QAM	M	Outer_Full	12.874	14.220	PASS
N38	30	15	CP-QPSK	M	Outer_Full	13.61	15.240	PASS
N38	30	15	CP-16QAM	M	Outer_Full	13.633	14.880	PASS
N38	30	15	CP-64QAM	M	Outer_Full	13.613	14.820	PASS
N38	30	15	CP-256QAM	M	Outer_Full	13.564	14.670	PASS
N38	30	15	DFT-PI2BPSK	H	Outer_Full	12.931	14.250	PASS
N38	30	15	DFT-16QAM	H	Outer_Full	12.909	14.220	PASS
N38	30	15	DFT-64QAM	H	Outer_Full	12.877	14.070	PASS
N38	30	15	DFT-256QAM	H	Outer_Full	12.888	14.160	PASS
N38	30	15	CP-QPSK	H	Outer_Full	13.614	15.210	PASS
N38	30	15	CP-16QAM	H	Outer_Full	13.608	14.760	PASS
N38	30	15	CP-64QAM	H	Outer_Full	13.589	14.730	PASS
N38	30	15	CP-256QAM	H	Outer_Full	13.555	14.670	PASS
N38	30	20	DFT-PI2BPSK	L	Outer_Full	17.831	19.160	PASS
N38	30	20	DFT-16QAM	L	Outer_Full	17.832	19.040	PASS
N38	30	20	DFT-64QAM	L	Outer_Full	17.841	19.360	PASS
N38	30	20	DFT-256QAM	L	Outer_Full	17.883	19.160	PASS
N38	30	20	CP-QPSK	L	Outer_Full	18.178	19.640	PASS
N38	30	20	CP-16QAM	L	Outer_Full	18.181	19.360	PASS
N38	30	20	CP-64QAM	L	Outer_Full	18.215	19.640	PASS
N38	30	20	CP-256QAM	L	Outer_Full	18.203	19.640	PASS
N38	30	20	DFT-QPSK	M	Outer_Full	17.9	19.000	PASS
N38	30	20	DFT-PI2BPSK	M	Outer_Full	17.845	19.120	PASS
N38	30	20	DFT-16QAM	M	Outer_Full	17.884	19.120	PASS
N38	30	20	DFT-64QAM	M	Outer_Full	17.858	19.520	PASS
N38	30	20	DFT-256QAM	M	Outer_Full	17.893	19.120	PASS
N38	30	20	CP-QPSK	M	Outer_Full	18.199	19.400	PASS
N38	30	20	CP-16QAM	M	Outer_Full	18.22	19.480	PASS
N38	30	20	CP-64QAM	M	Outer_Full	18.218	19.600	PASS



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N38	30	20	CP-256QAM	M	Outer_Full	18.21	19.440	PASS
N38	30	20	DFT-QPSK	H	Outer_Full	17.886	19.000	PASS
N38	30	20	DFT-PI2BPSK	H	Outer_Full	17.821	19.160	PASS
N38	30	20	DFT-16QAM	H	Outer_Full	17.859	18.680	PASS
N38	30	20	DFT-64QAM	H	Outer_Full	17.826	19.560	PASS
N38	30	20	DFT-256QAM	H	Outer_Full	17.833	19.120	PASS
N38	30	20	CP-QPSK	H	Outer_Full	18.185	19.520	PASS
N38	30	20	CP-16QAM	H	Outer_Full	18.204	19.560	PASS
N38	30	20	CP-64QAM	H	Outer_Full	18.217	19.600	PASS
N38	30	20	CP-256QAM	H	Outer_Full	18.237	19.600	PASS



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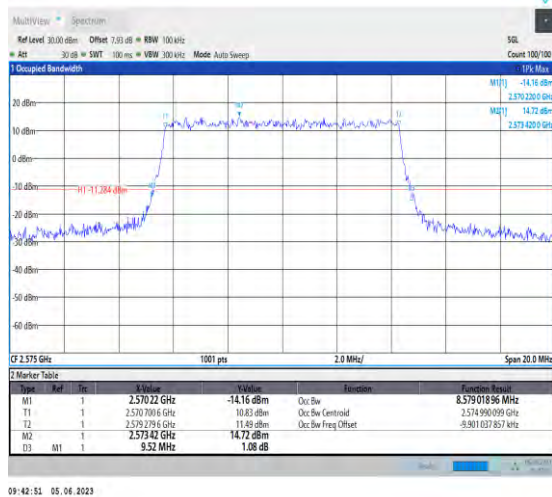
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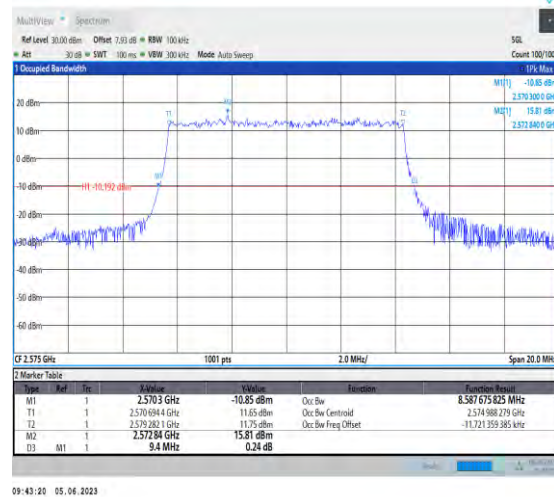
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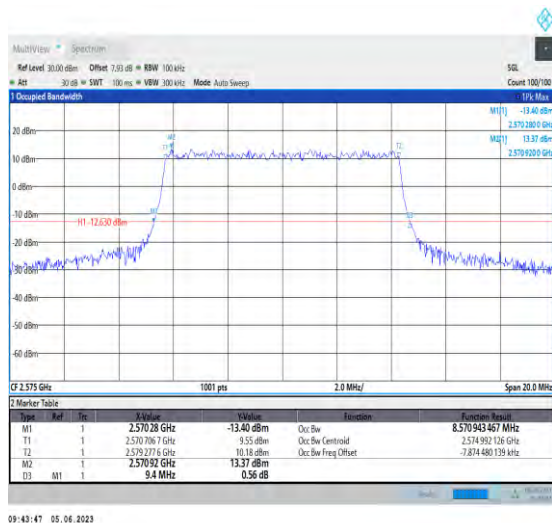
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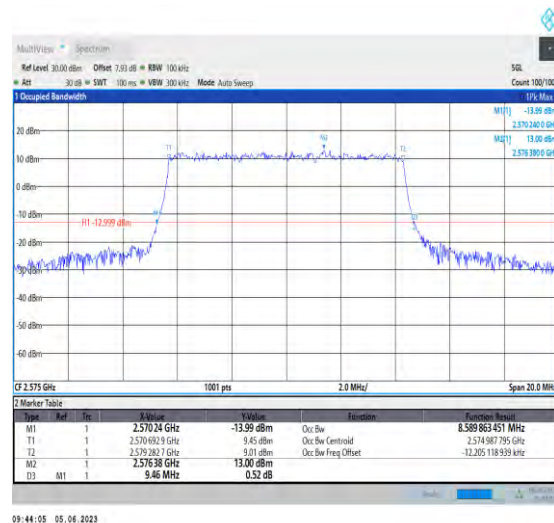
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1-N38-PC3-30-10-L-3-DFT-16QAM-Outer_Full-24@0-Ant1-8.571-9.400-≤10-PASS



1-N38-PC3-30-10-L-4-DFT-64QAM-Outer_Full-24@0-Ant1-8.59-9.460-≤10-PASS



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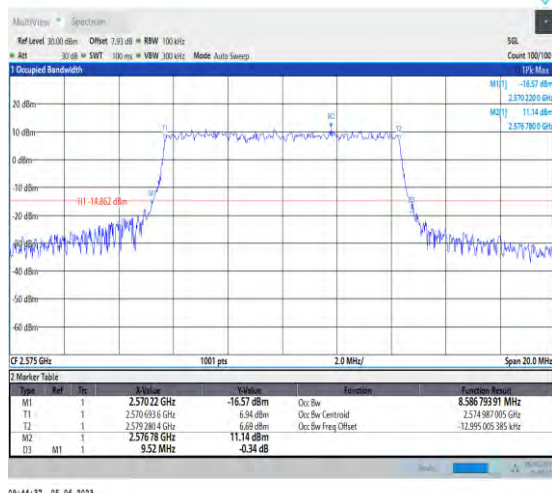
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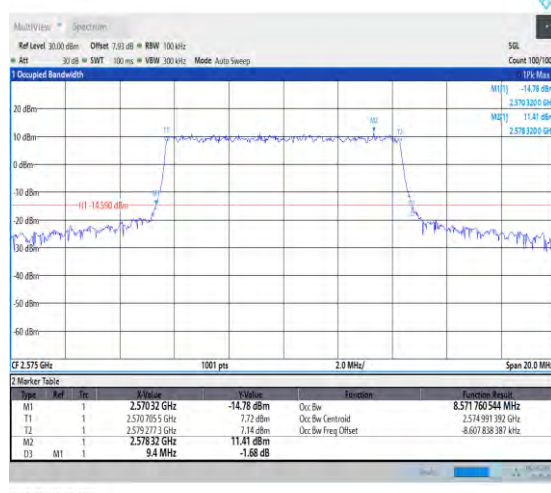
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09:45:50 05.06.2023

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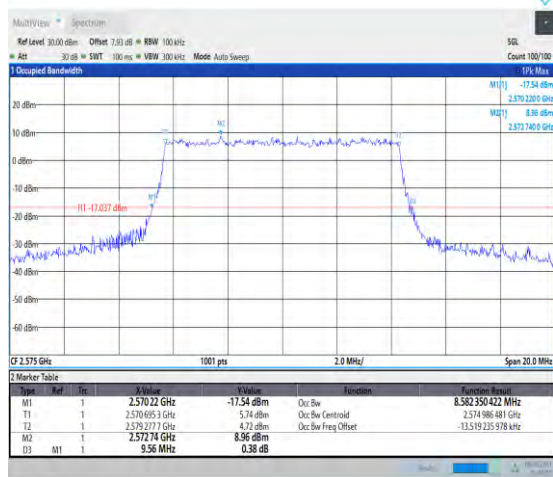
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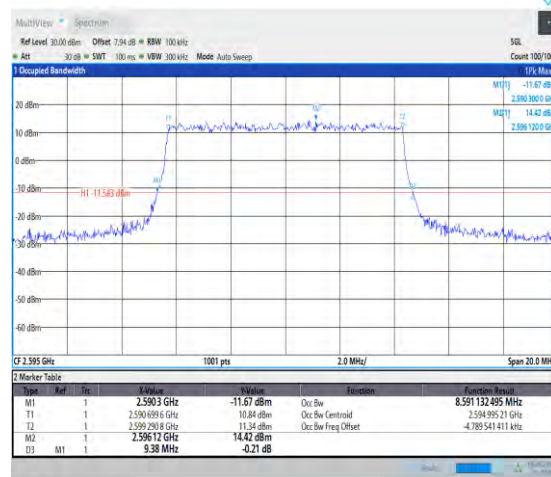
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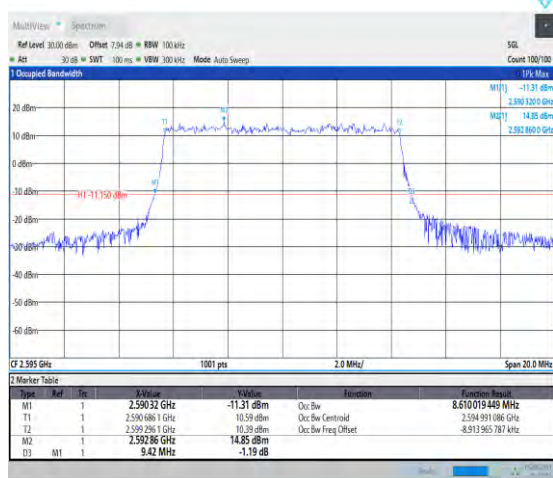
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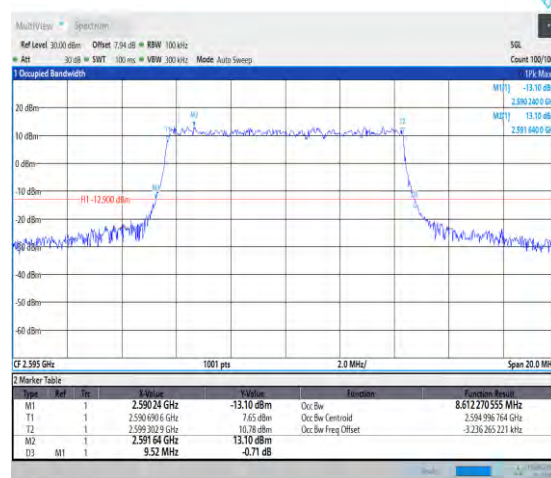
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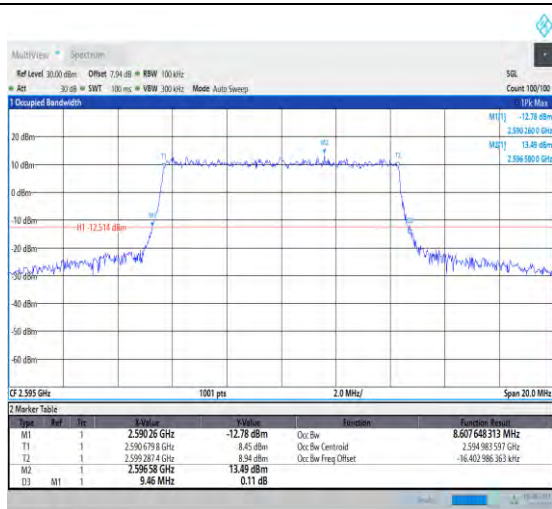
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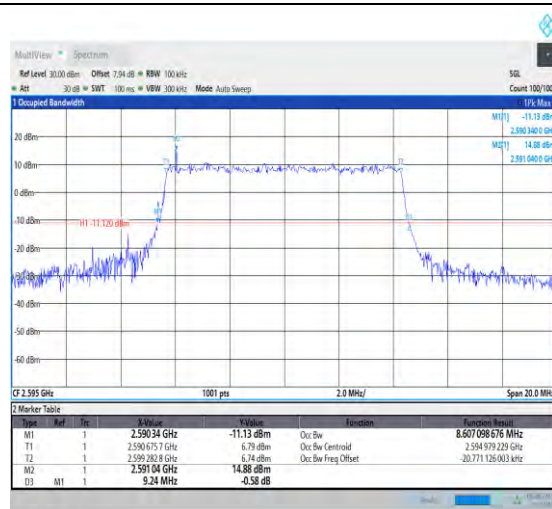
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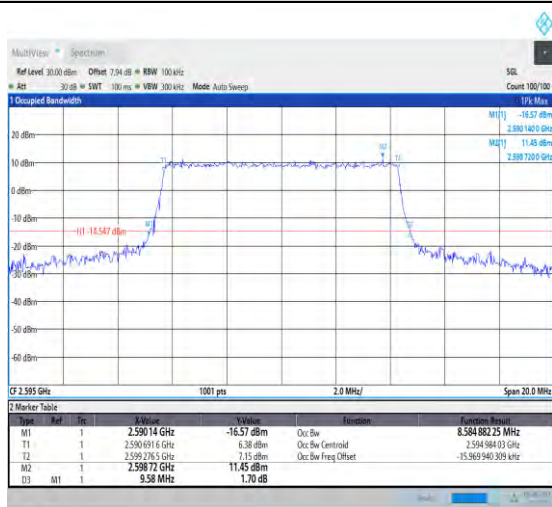
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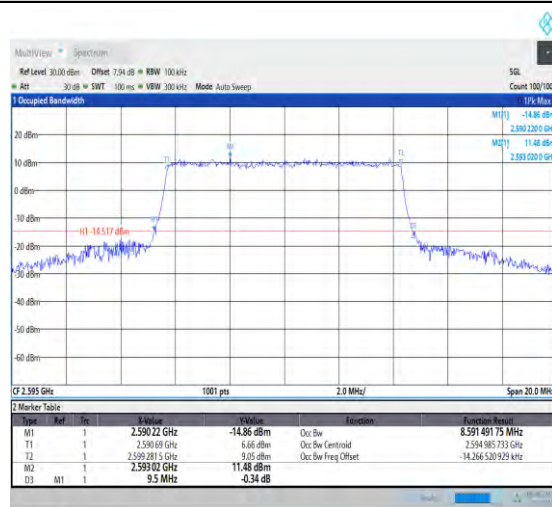
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1-N38-PC3-30-10-M-7-CP-16QAM-Outer_Full-24@0
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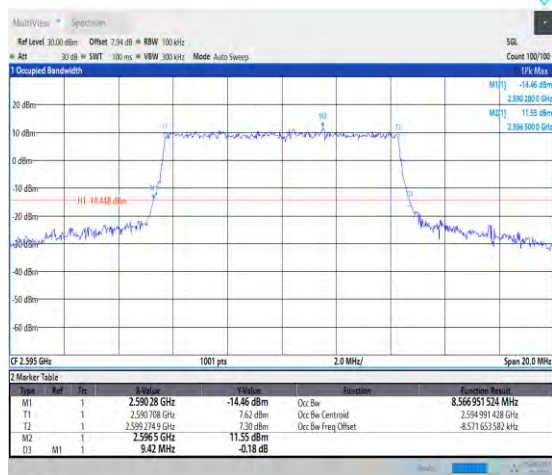
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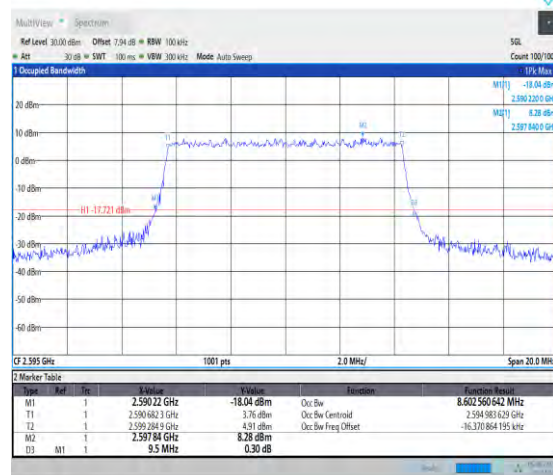
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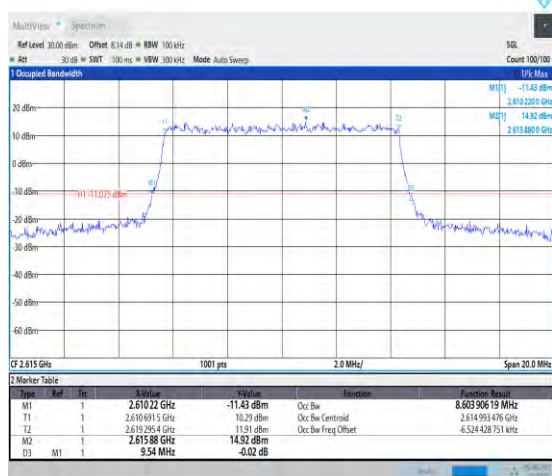
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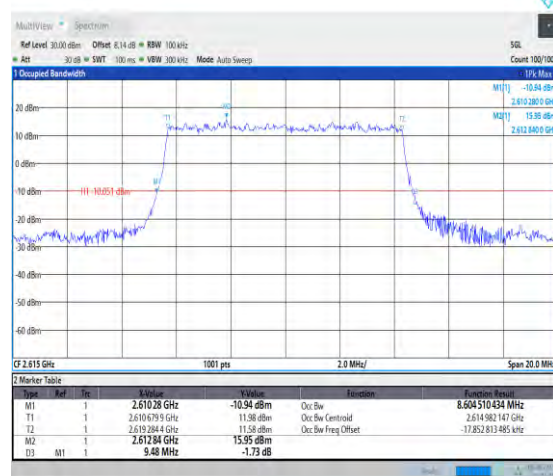
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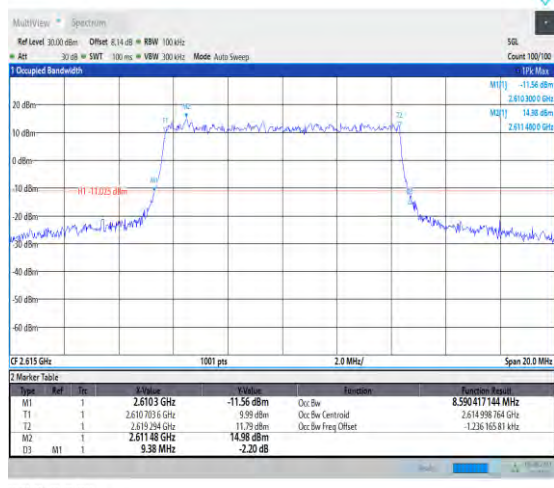
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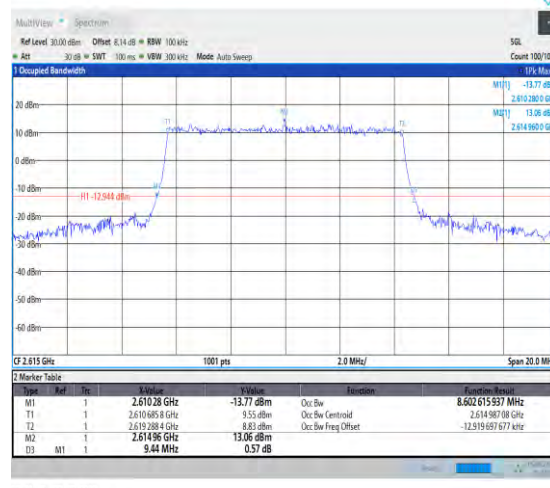
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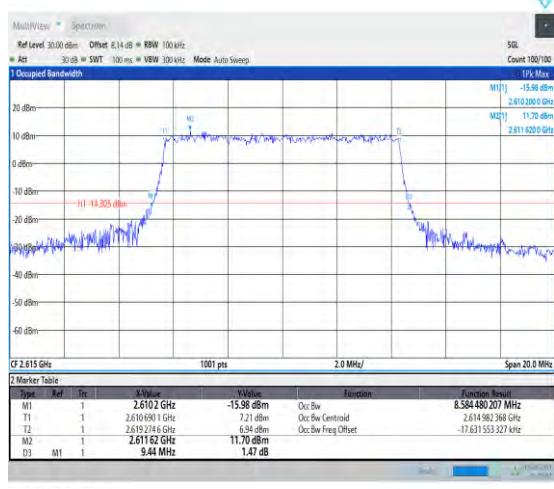
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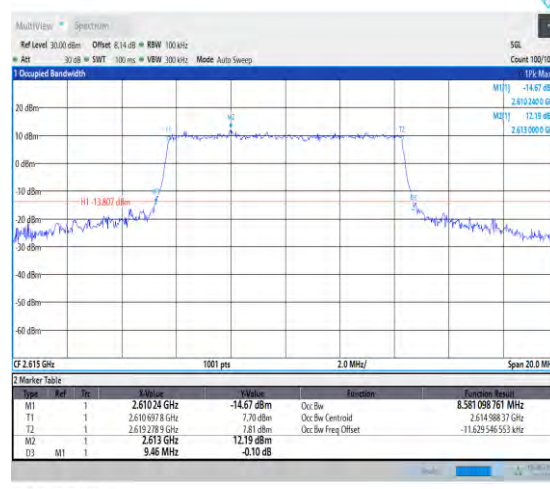
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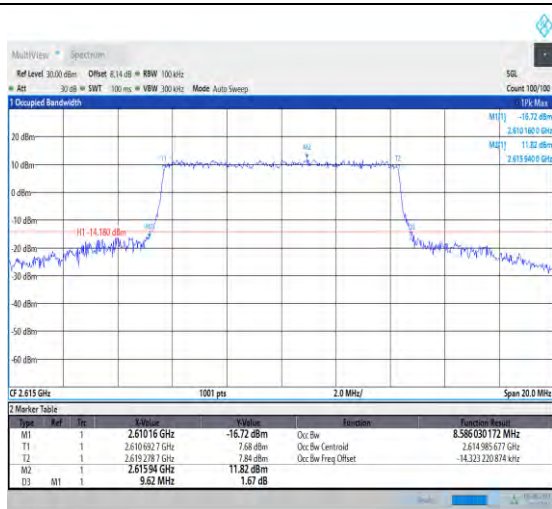
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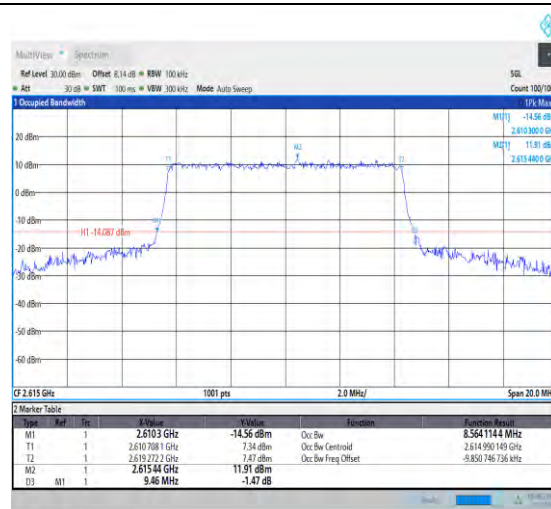
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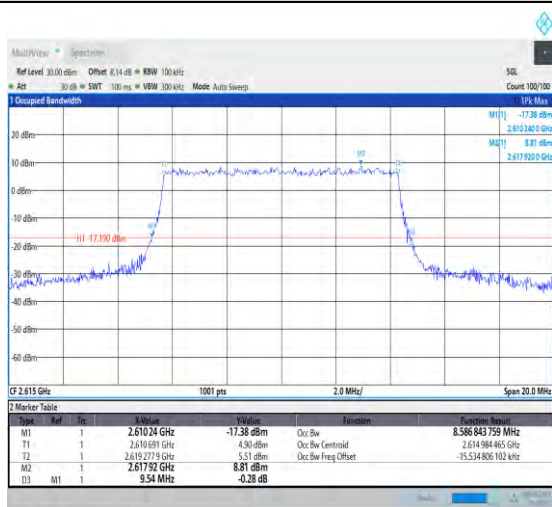
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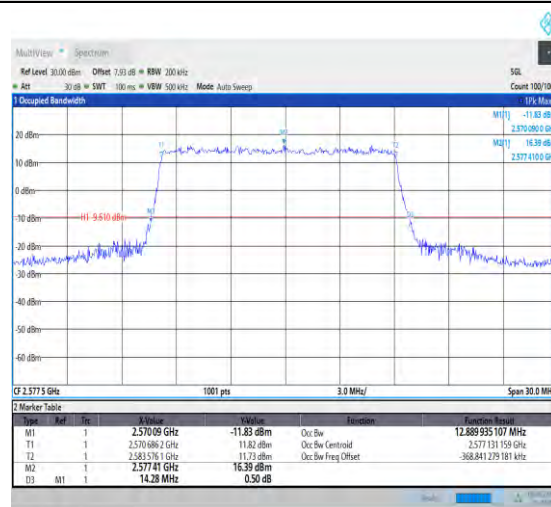
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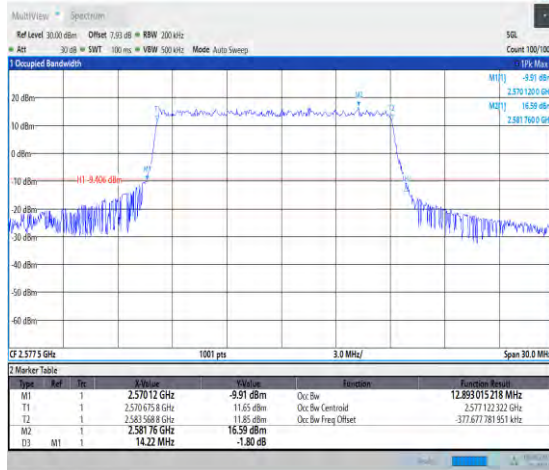
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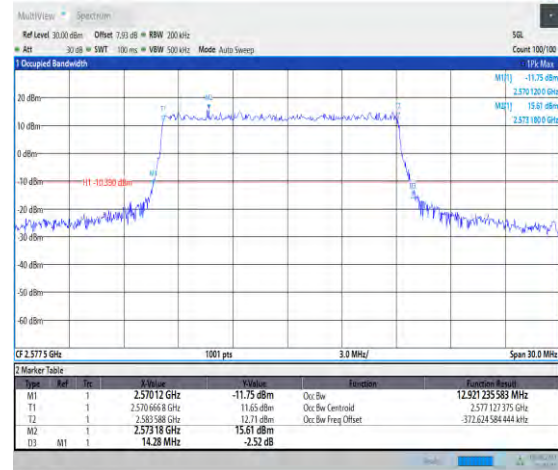
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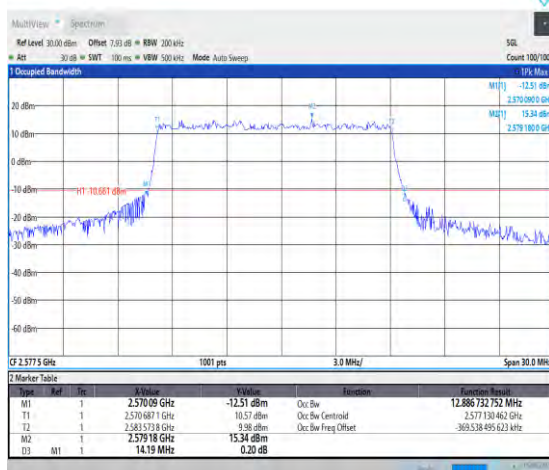
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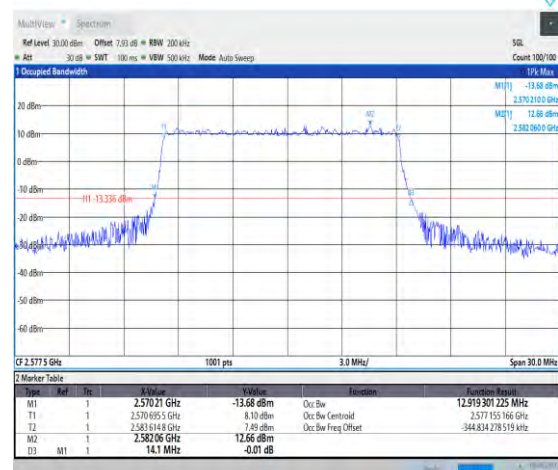
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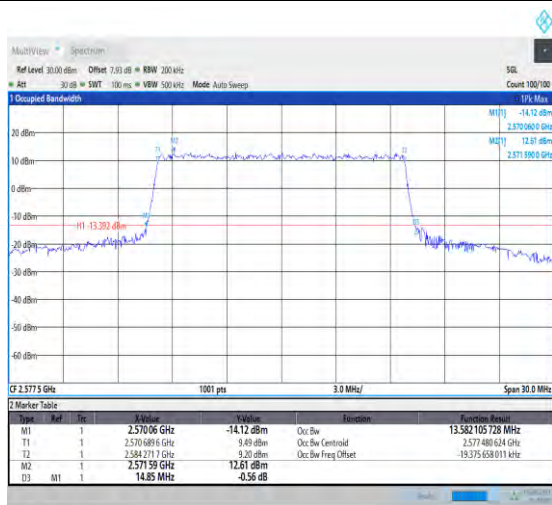
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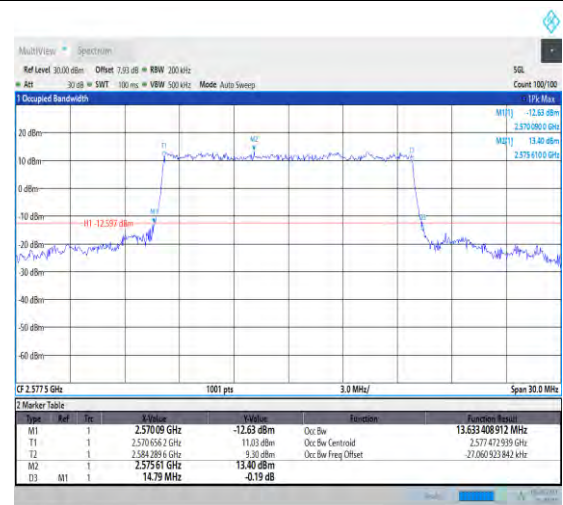
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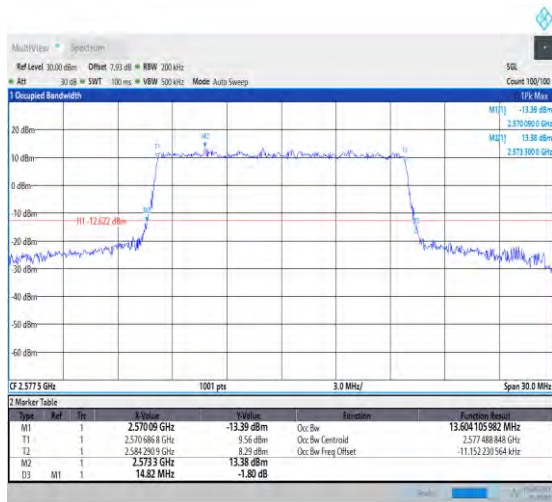
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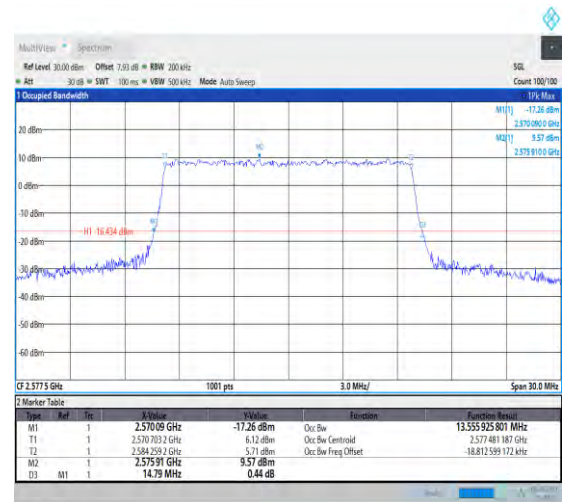
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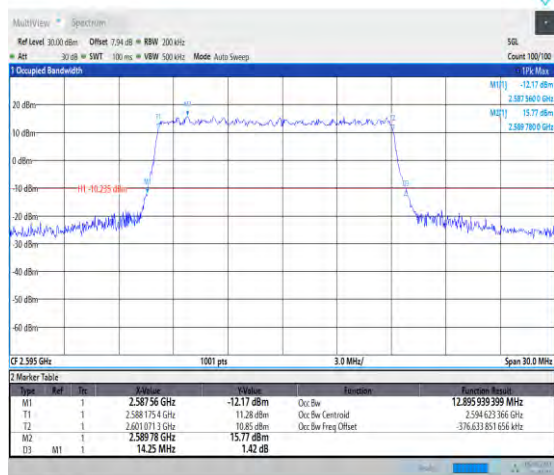
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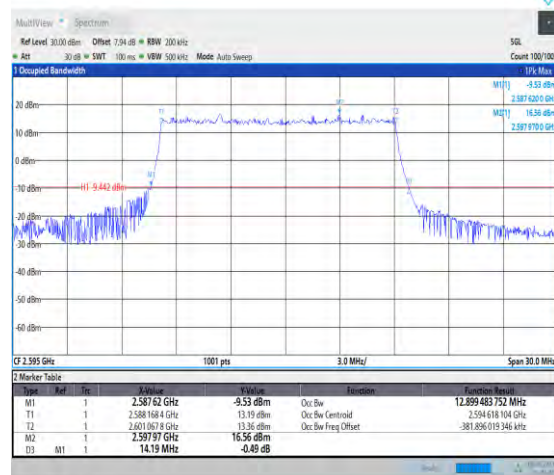
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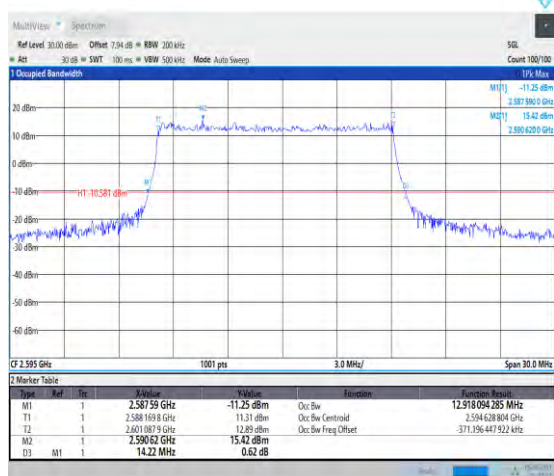
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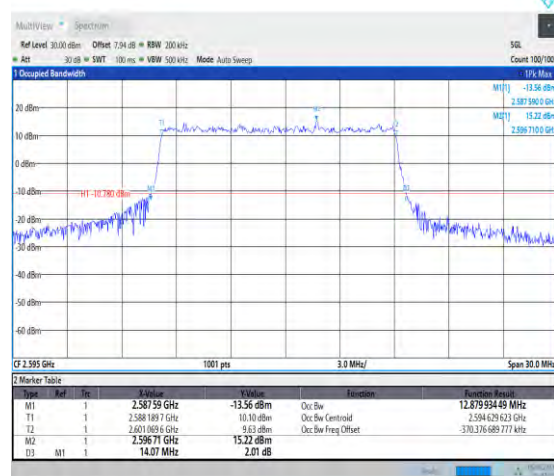
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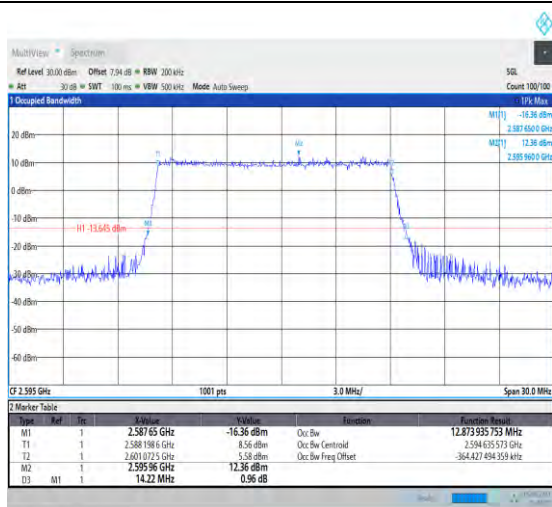
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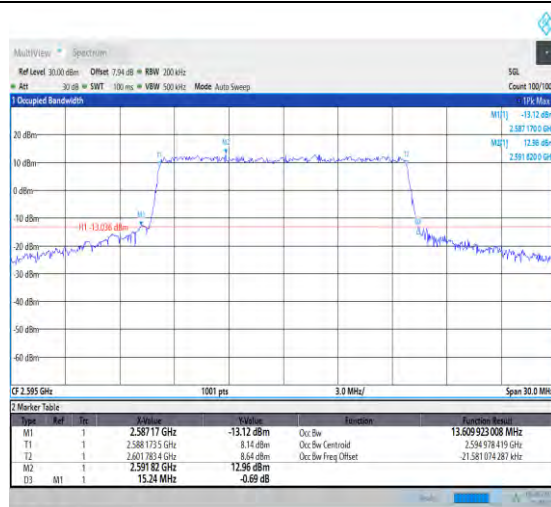
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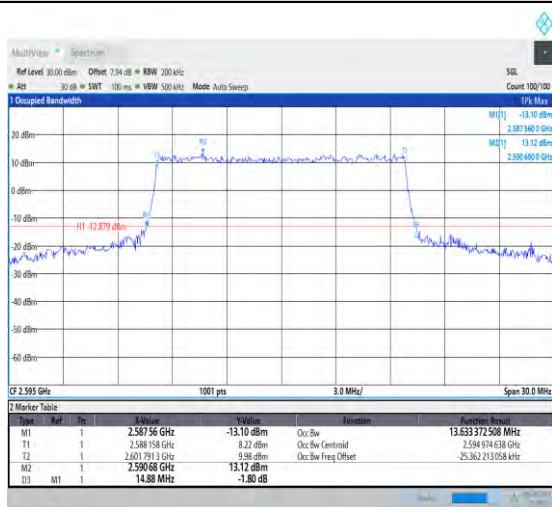
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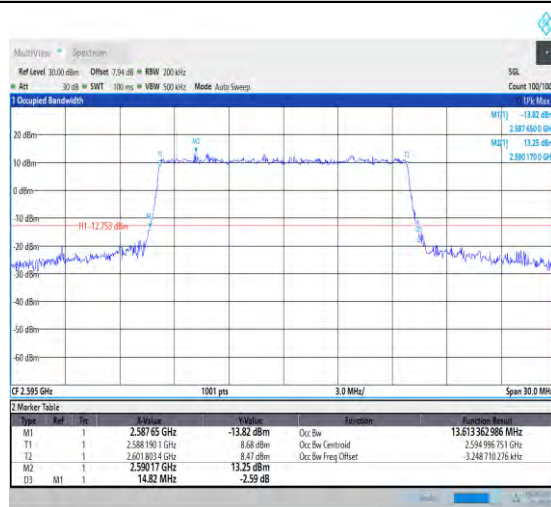
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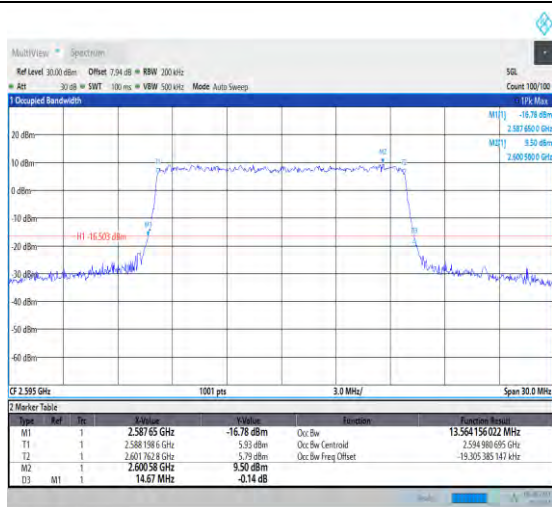
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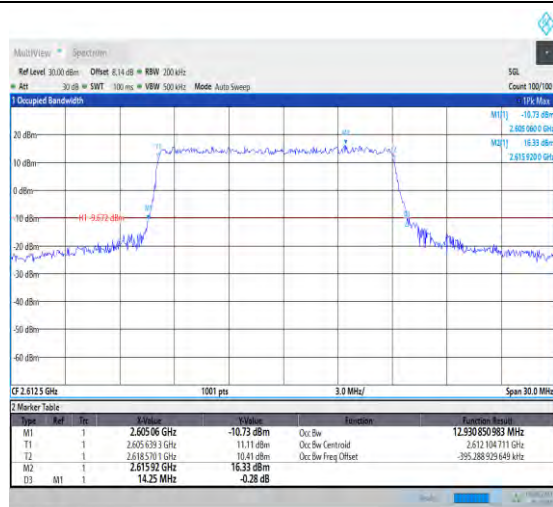
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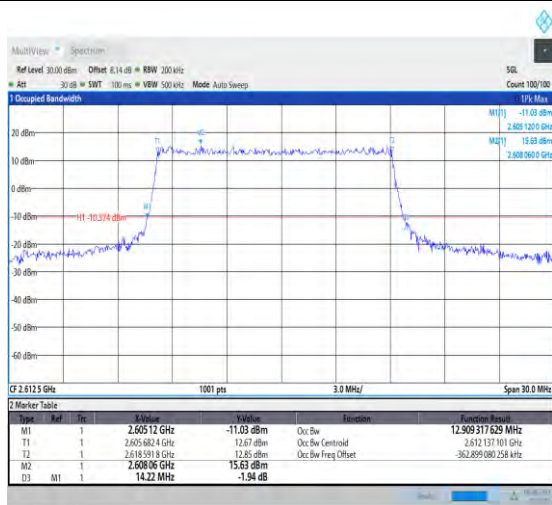
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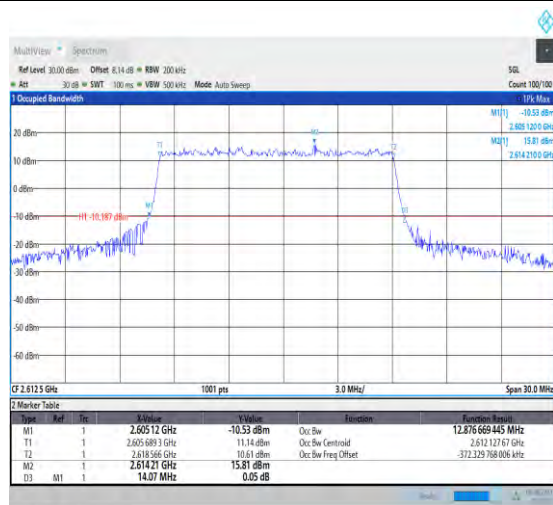
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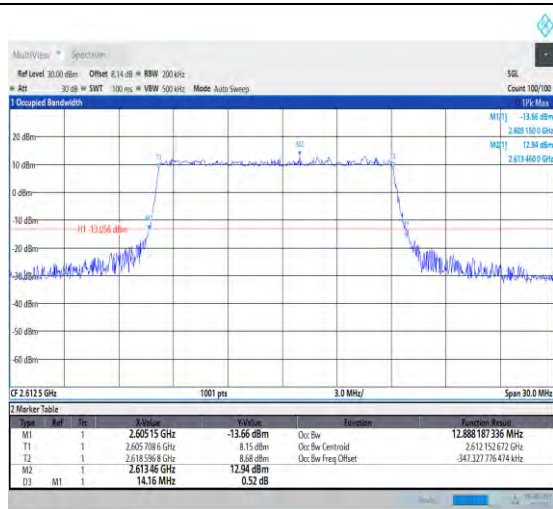
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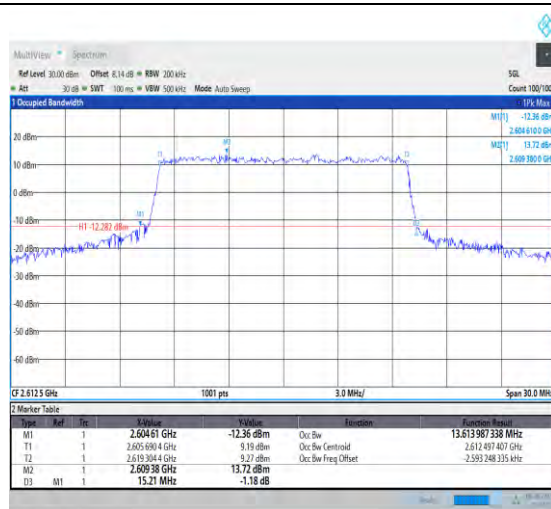
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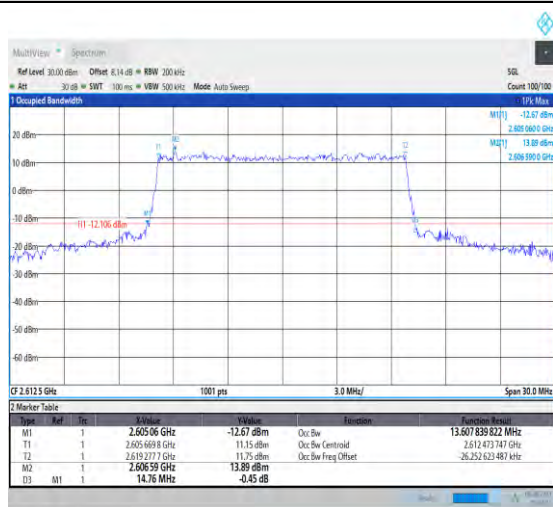
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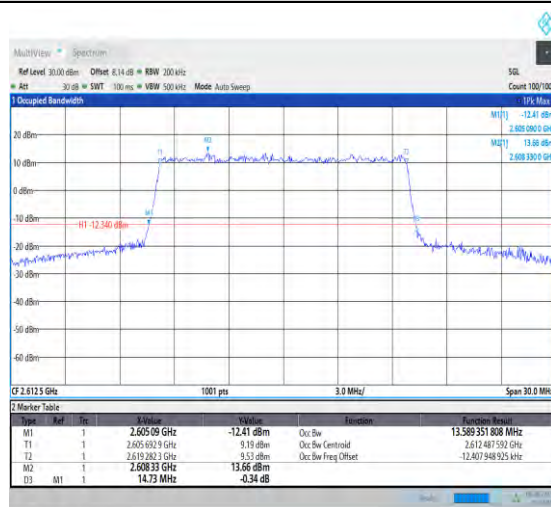
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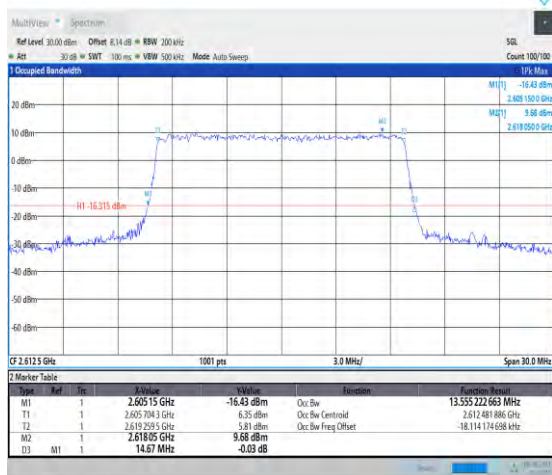
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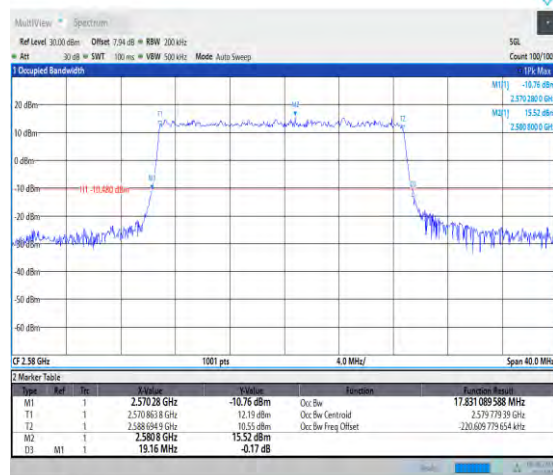
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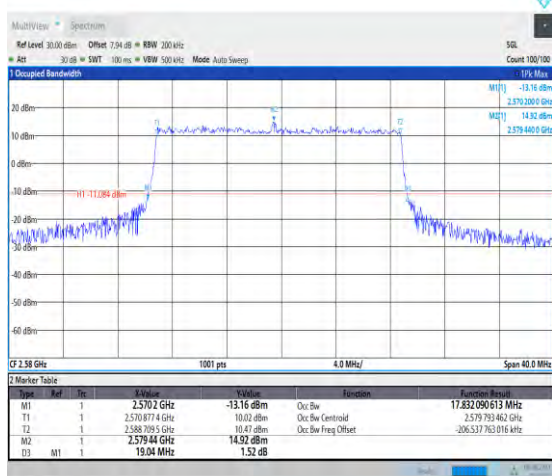
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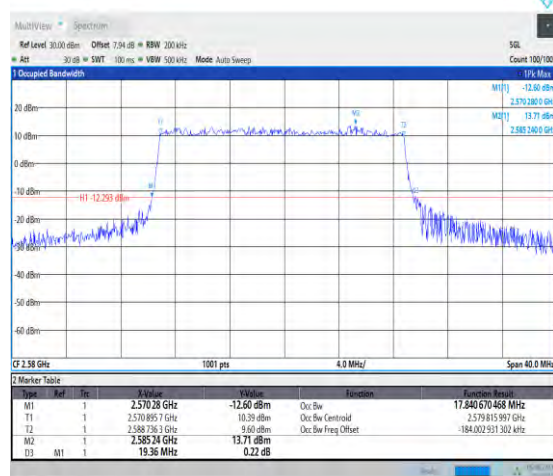
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@0-Ant1-17.831-19.160≤20-PASS



10:58:12 05.06.2023

1-N38-PC3-30-20-L-3-DFT-16QAM-Out_ Full-50@
0-Ant1-17.832-19.040≤20-PASS



10:58:31 05.06.2023

1-N38-PC3-30-20-L-4-DFT-64QAM-Out_ Full-50@
-Ant1-17.841-19.360≤20-PASS



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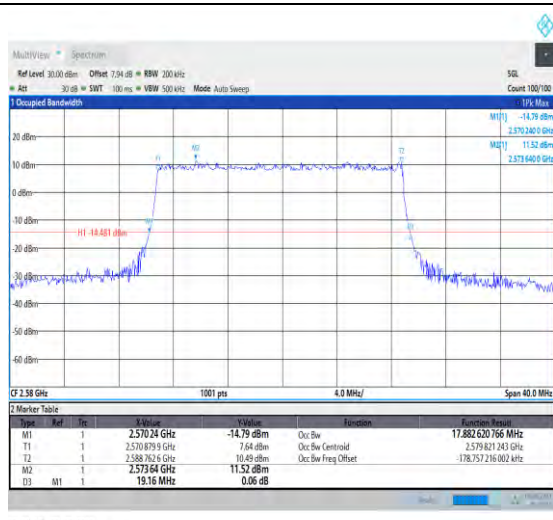
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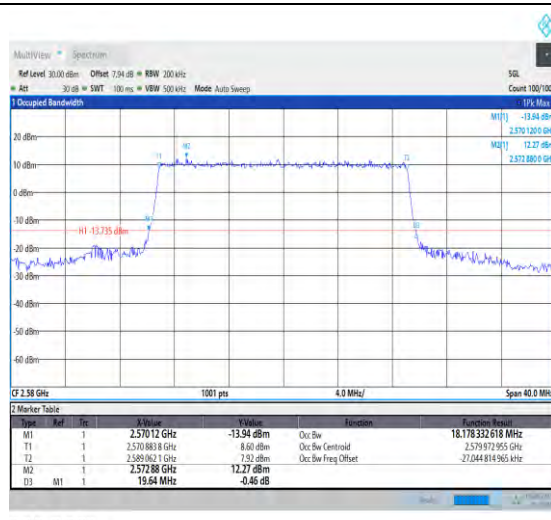
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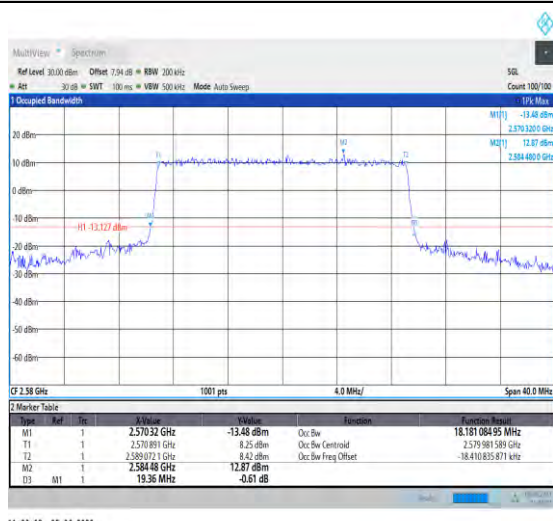
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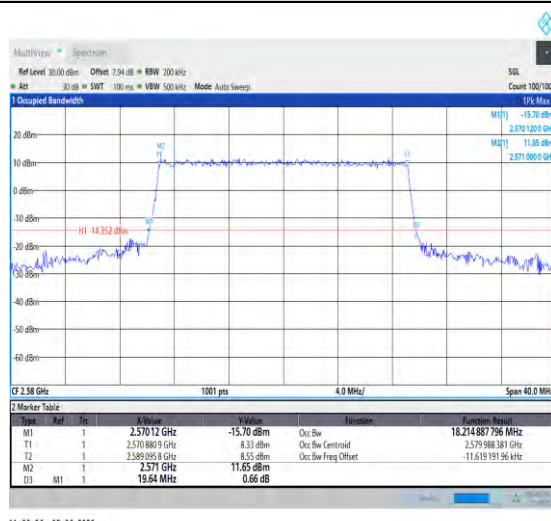
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1-N38-PC3-30-20-L-6-CP-QPSK-Outer_Full-51@0-Ant1-18.178-19.640-≤20-PASS



11:00:08 05.06.2023

1-N38-PC3-30-20-L-7-CP-16QAM-Outer_Full-51@0-Ant1-18.181-19.360-≤20-PASS



11:10:26 05.06.2023

1-N38-PC3-30-20-L-8-CP-64QAM-Outer_Full-51@0-Ant1-18.215-19.640-≤20-PASS



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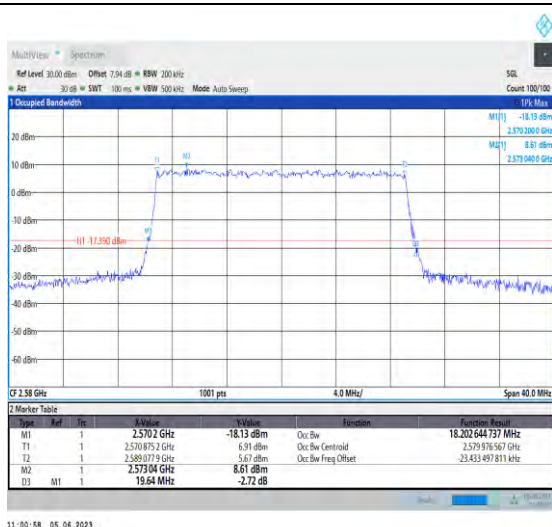
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11:00:58 05.06.2023

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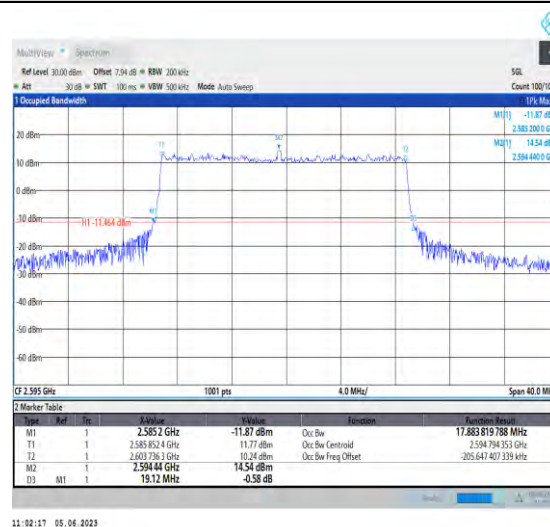
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11:01:51 05.06.2023

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-Ant1-17.845-19.120-≤20-PASS



11:02:17 05.06.2023

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



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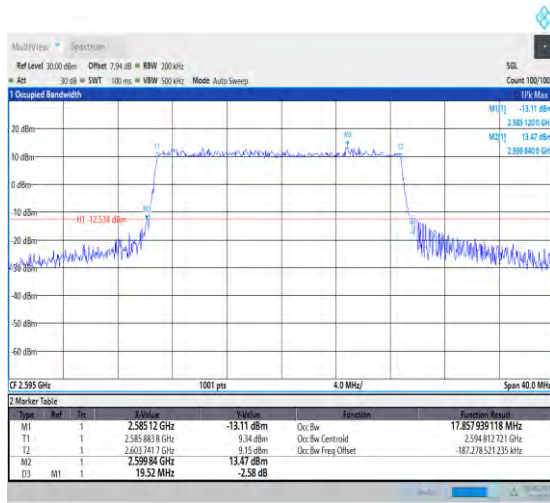
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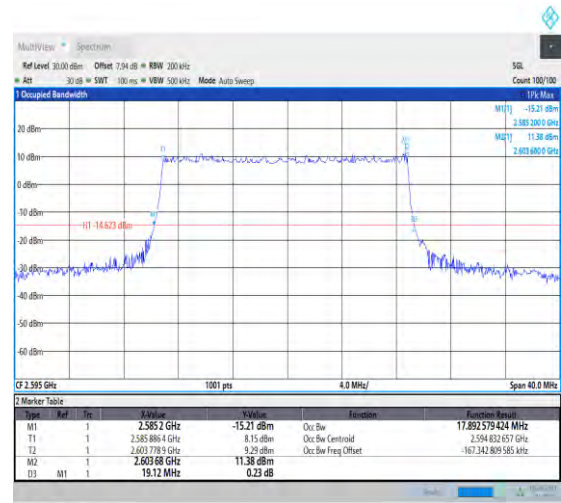
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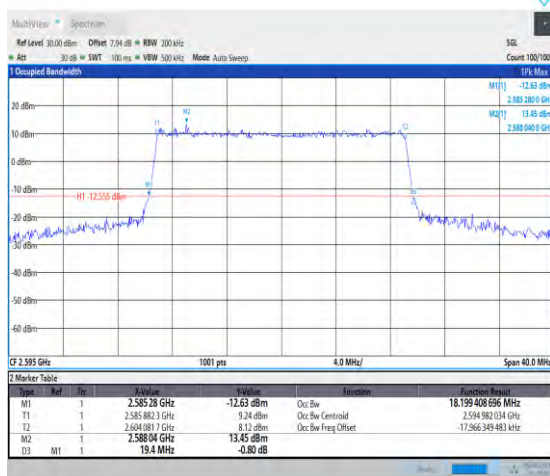
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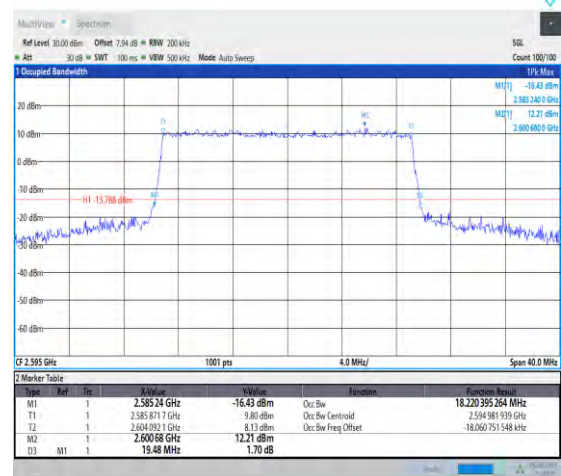
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11:03:46 05.06.2023

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11:04:04 05.06.2023

1-N38-PC3-30-20-M-7-CP-16QAM-Outer_Full-51@0-
Ant1-18.22-19.480-≤20-PASS



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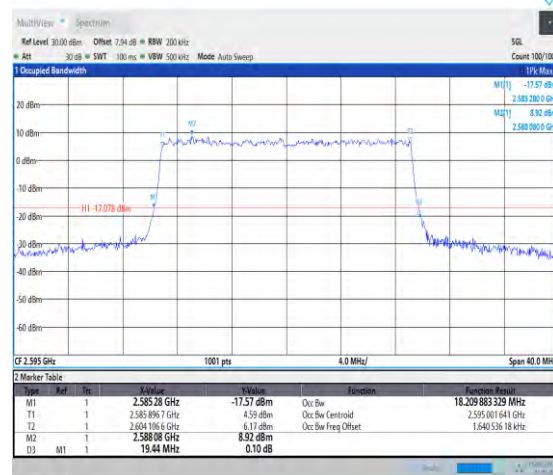
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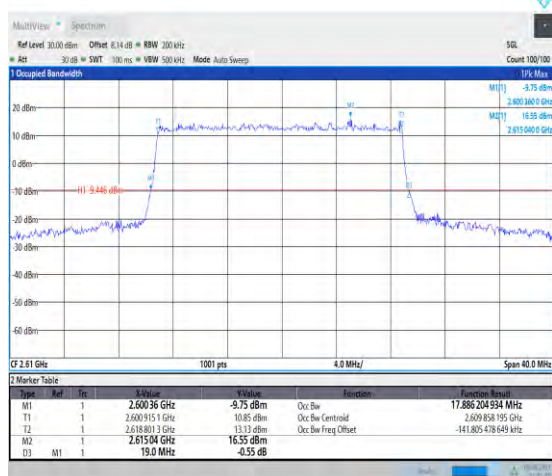
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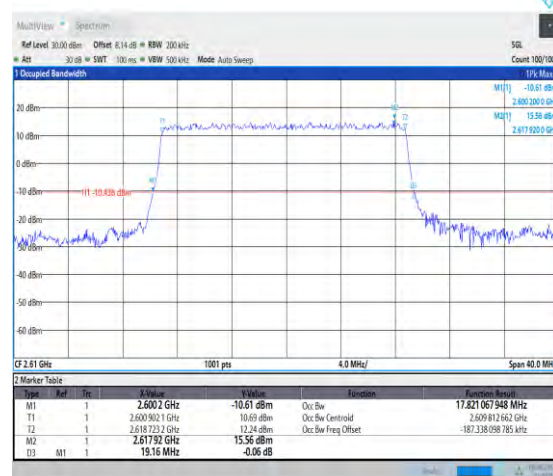
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11:06:07 05.06.2023

1-N38-PC3-30-20-H-2-DFT-PI2BPSK-Outer_Full-50@
@0-Ant1-17.821-19.160-≤20-PASS



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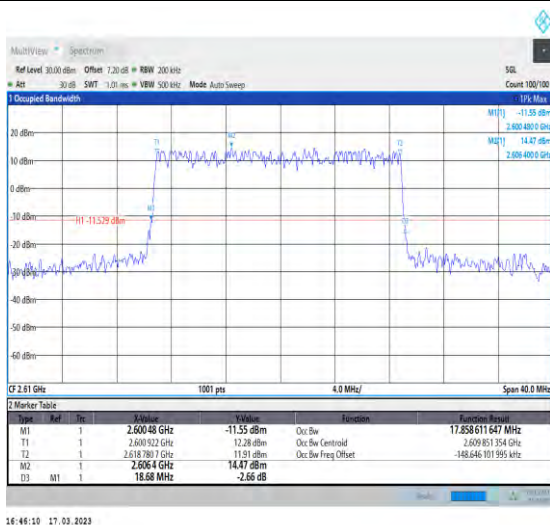
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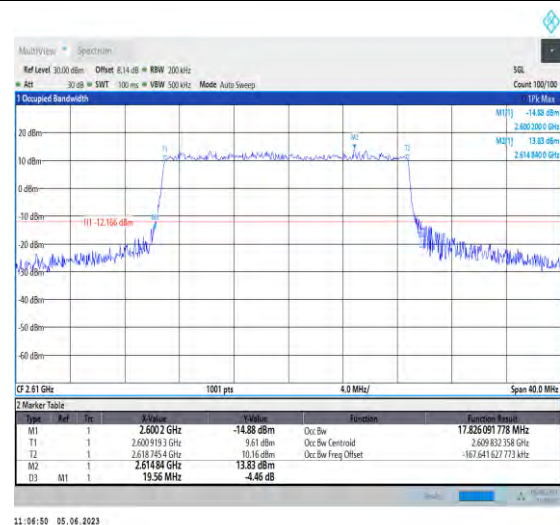
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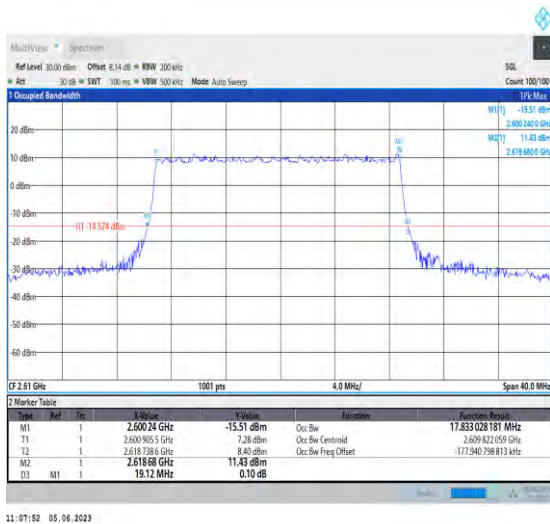
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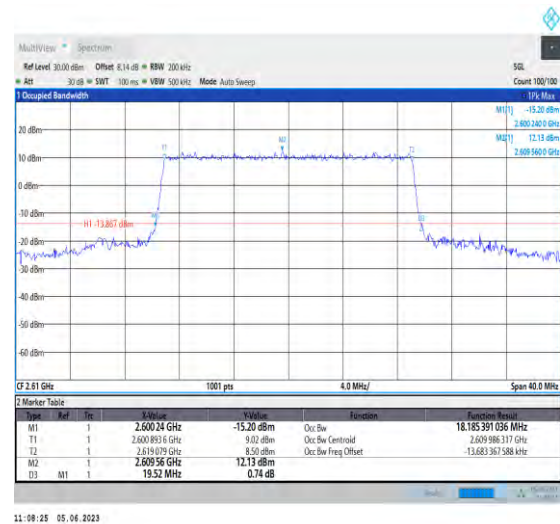
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1-N38-PC3-30-20-H-5-DFT-256QAM-Outer_Full-50
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1-N38-PC3-30-20-H-6-CP-QPSK-Outer_Full-51@0-
Ant1-18.185-19.520-≤20-PASS



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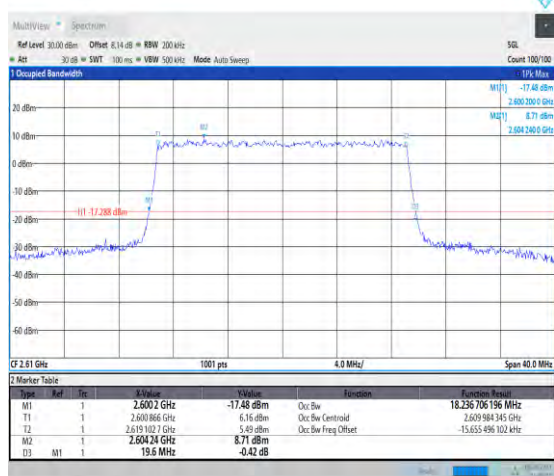
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11:09:39 05.06.2023

1-N38-PC3-30-20-H-9-CP-256QAM-Outer_Full-51@0-Ant1-18.237-19.600-≤20-PASS



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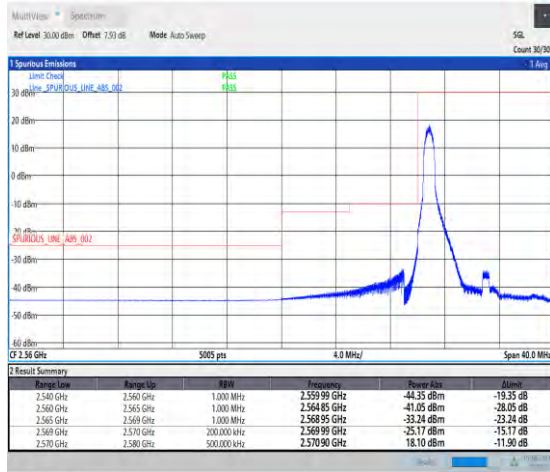
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Band Edge for SA

Test Graphs



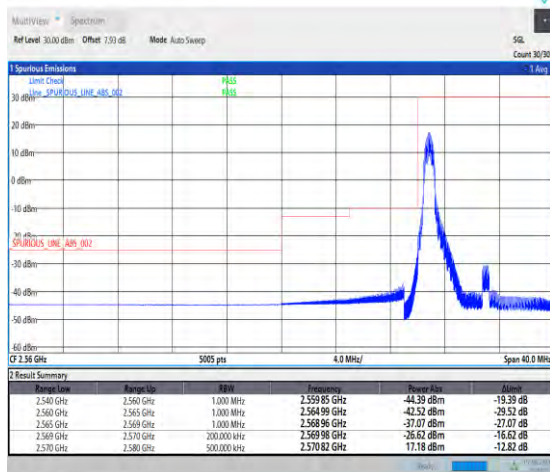
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13:38:58 07.06.2023

1-N38-PC3-30-10-L-3-DFT-PI2BPSK-Outer_Full-24@0-Ant1-1--PASS-see graph



13:41:52 07.06.2023

1-N38-PC3-30-10-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



13:44:37 07.06.2023

1-N38-PC3-30-10-L-6-CP-QPSK-Outer_Full-24@0-Ant1-1--PASS-see graph



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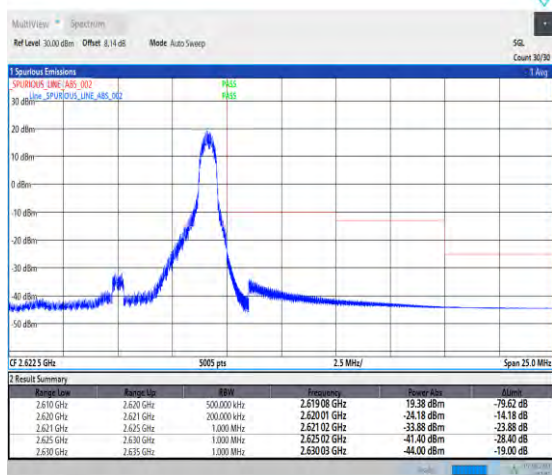
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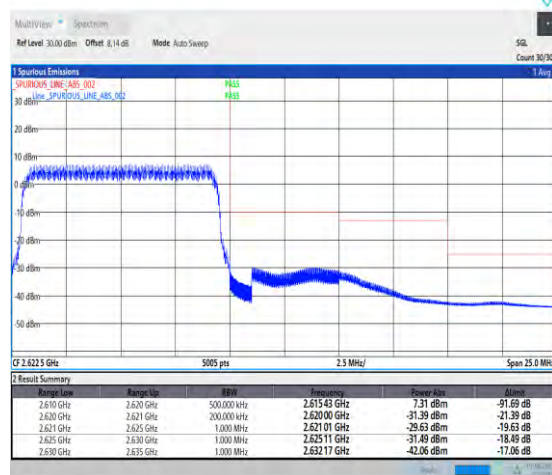
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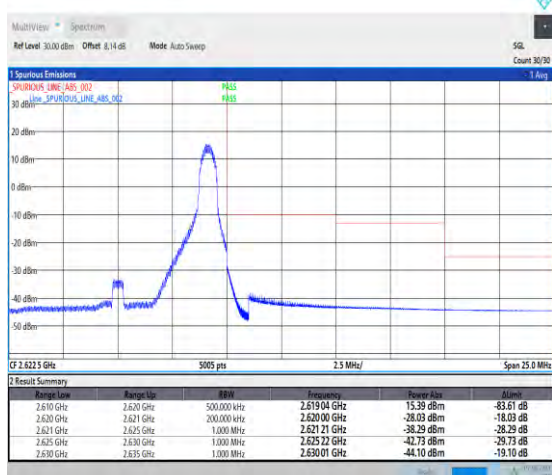
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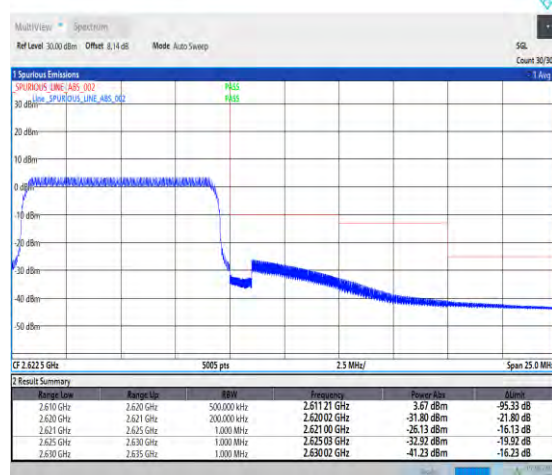
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1-N38-PC3-30-10-H-3-DFT-PI2BPSK-Outer_Full-2 4@0-Ant1-1--PASS-see graph



13:53:20 07.06.2023

1-N38-PC3-30-10-H-5-CP-QPSK-Edge_1RB_Right-1 @23-Ant1-1--PASS-see graph



13:56:04 07.06.2023

1-N38-PC3-30-10-H-6-CP-QPSK-Outer_Full-24@ 0-Ant1-1--PASS-see graph



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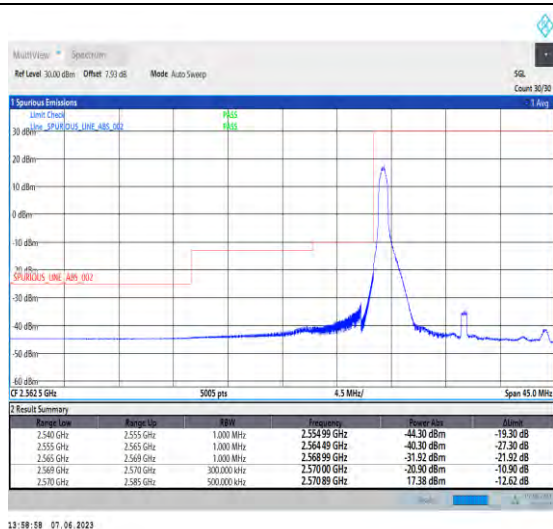
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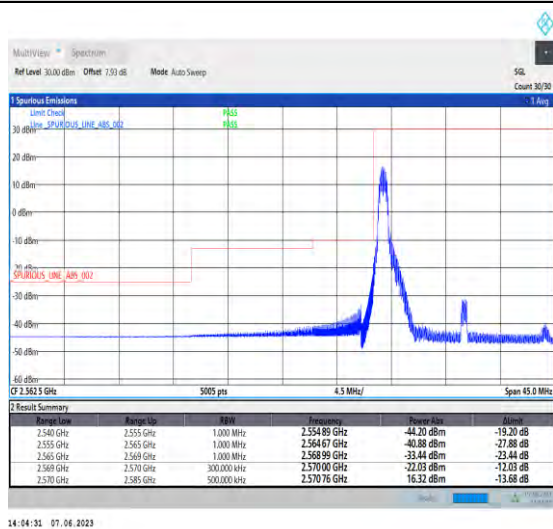
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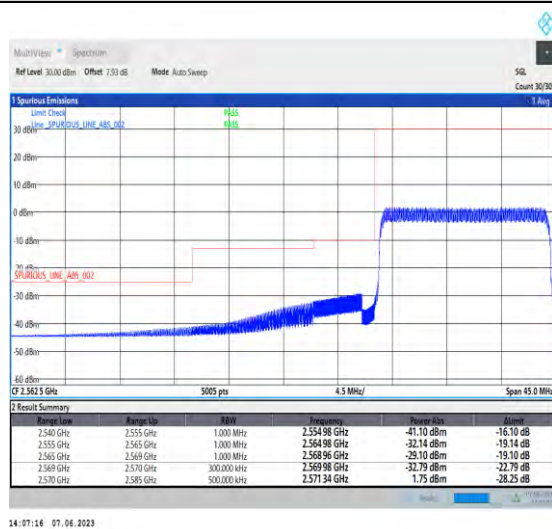
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14:04:31 07.06.2023

1-N38-PC3-30-15-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



14:07:16 07.06.2023

1-N38-PC3-30-15-L-6-CP-QPSK-Outer_Full-38@0-Ant1-1--PASS-see graph



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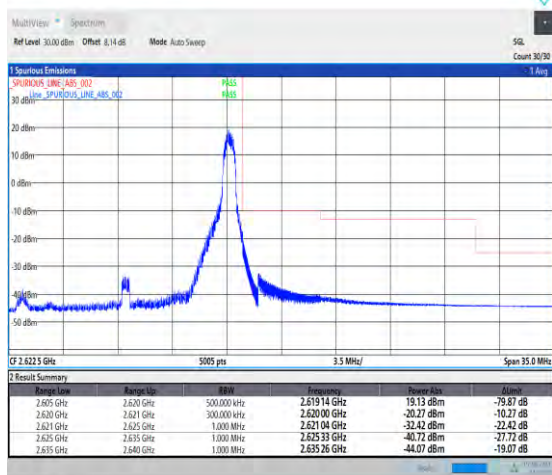
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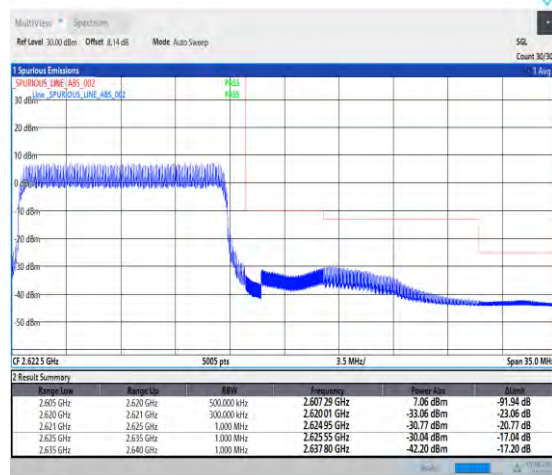
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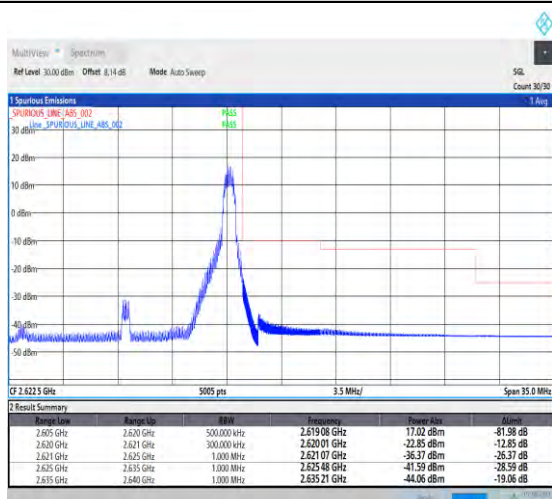
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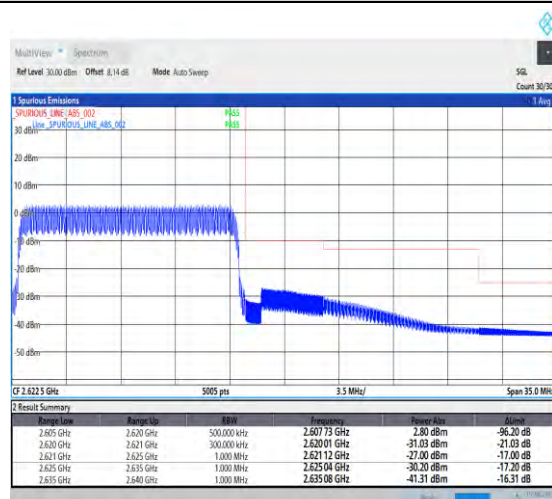
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1-N38-PC3-30-15-H-3-DFT-PI2BPSK-Outer_Full-36@0-Ant1-1--PASS-see graph



14:15:42 07.06.2023

1-N38-PC3-30-15-H-5-CP-QPSK-Edge_1RB_Right-1@37-Ant1-1--PASS-see graph



14:18:25 07.06.2023

1-N38-PC3-30-15-H-6-CP-QPSK-Outer_Full-38@0-Ant1-1--PASS-see graph



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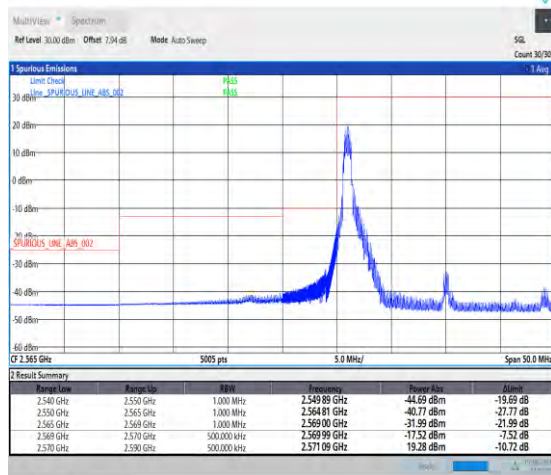
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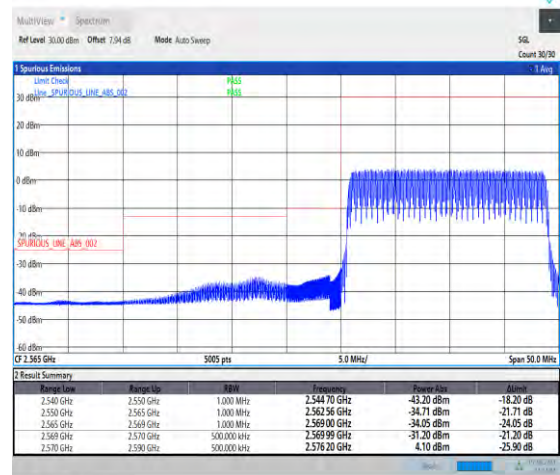
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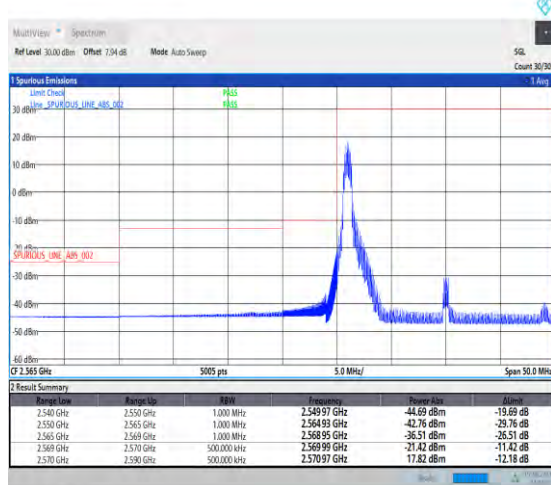
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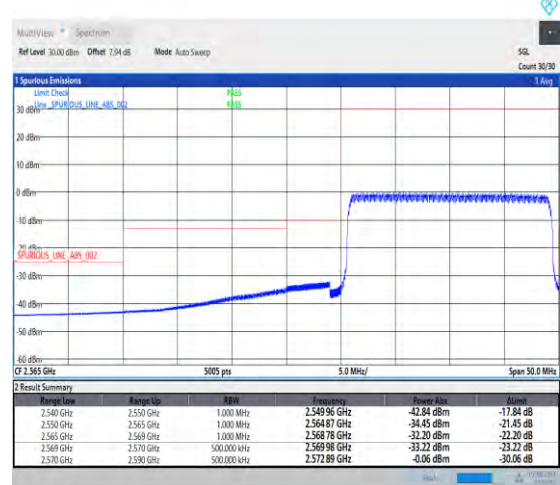
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14:26:51 07.06.2023

1-N38-PC3-30-20-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



14:29:35 07.06.2023

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



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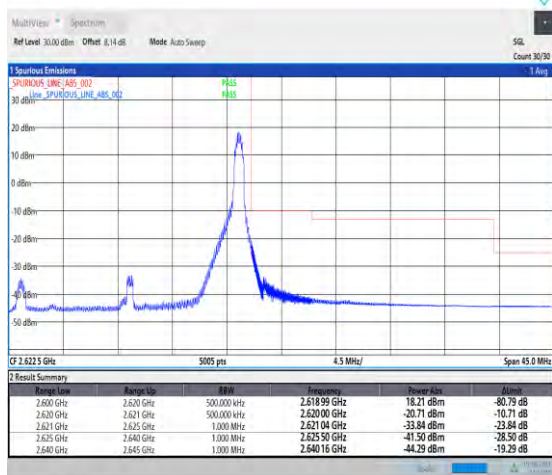
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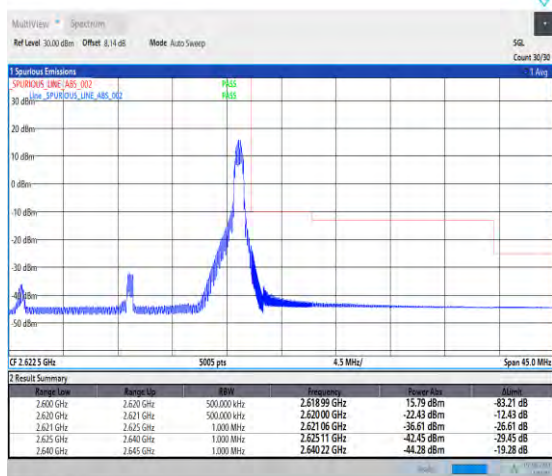
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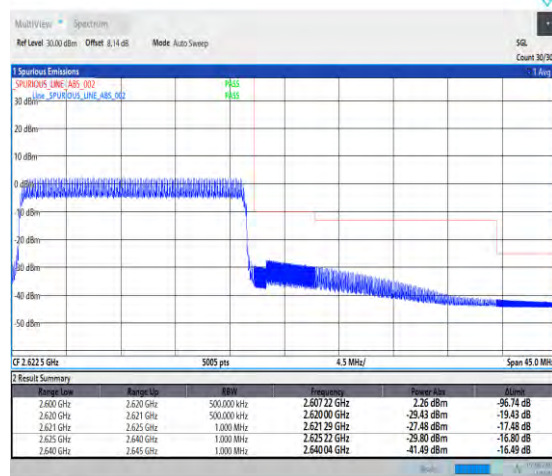
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14:39:02 07.06.2023

1-N38-PC3-30-20-H-5-CP-QPSK-Edge_1RB_Right-1@50-Ant1-1--PASS-see graph



14:40:45 07.06.2023

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



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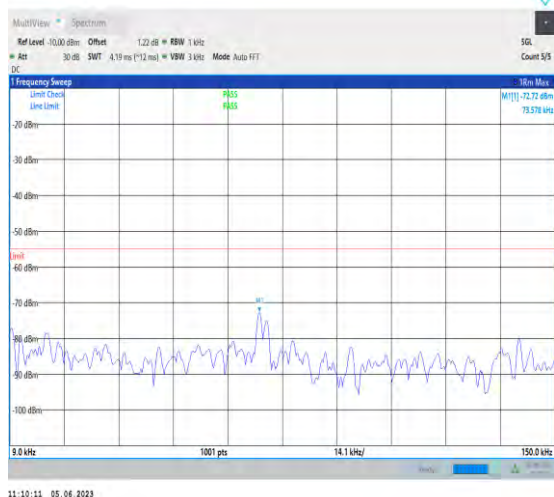
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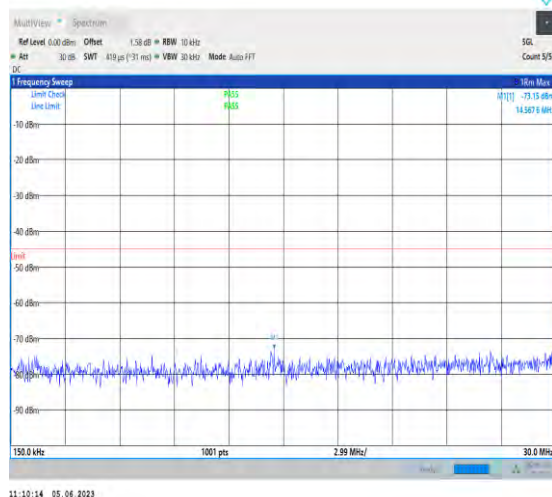
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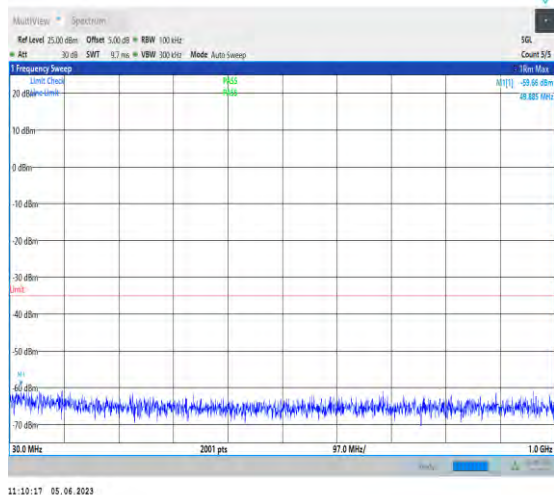
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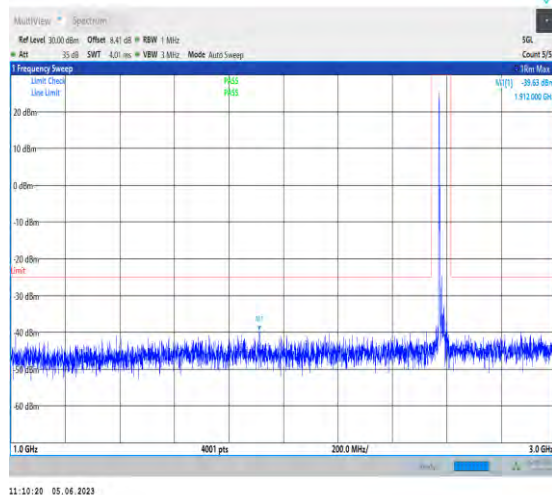
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1-N38-PC3-30-20-L-1-N/A-DFT-PI2BPSK-Inner_1RB
_Left-1@1-0.15-30-Ant1-14.57--73.15--45-PASS



1-N38-PC3-30-20-L-1-N/A-DFT-PI2BPSK-Inner_1R
B_Left-1@1-30-1000-Ant1-49.89--59.66--35-PASS



1-N38-PC3-30-20-L-1-N/A-DFT-PI2BPSK-Inner_1RB
_Left-1@1-1000-3000-Ant1-1912.00--39.63--25-PAS
S



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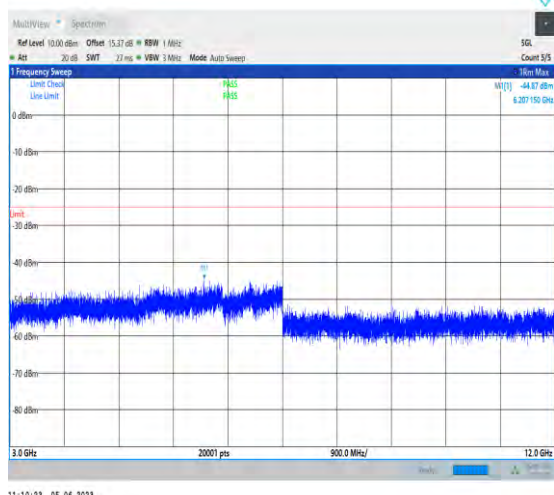
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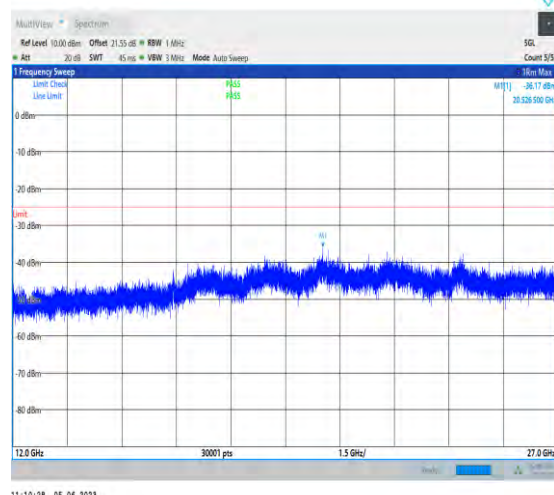
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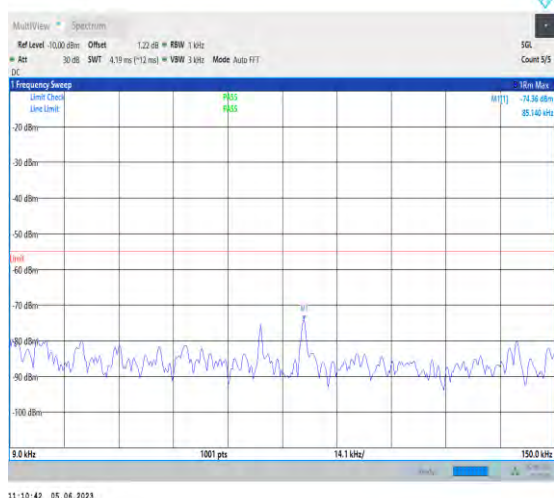
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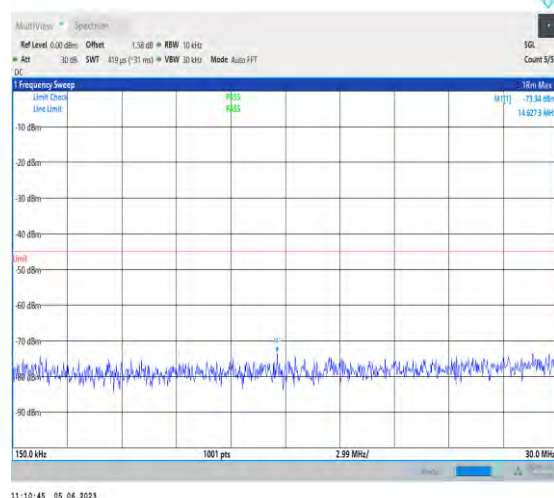
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_Left-1@1-12000-27000-Ant1-20526.50--36.17--25-P
ASS



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B_Left-1@1-0.009-0.15-Ant1-0.09--74.36--55-PASS



1-N38-PC3-30-20-M-1-N/A-DFT-PI2BPSK-Inner_1RB
_Left-1@1-0.15-30-Ant1-14.63--73.34--45-PASS



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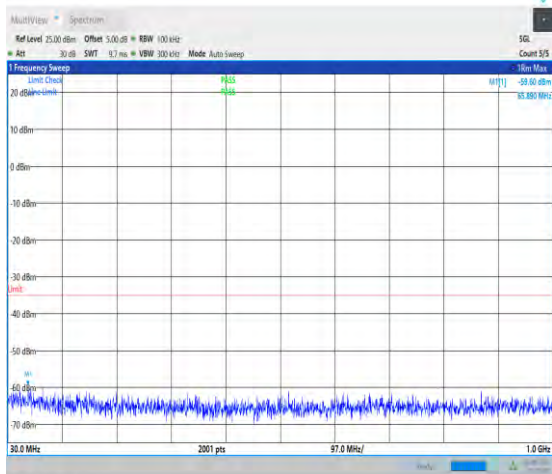
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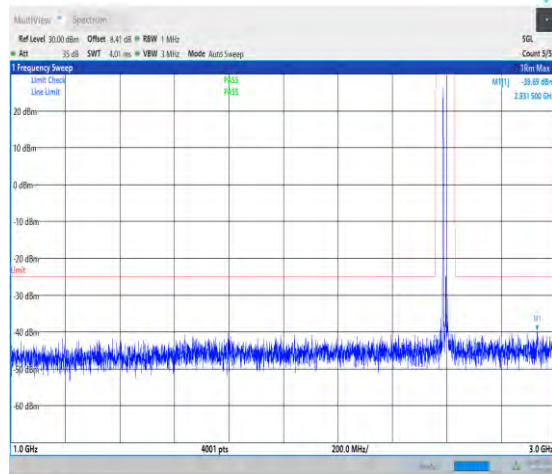
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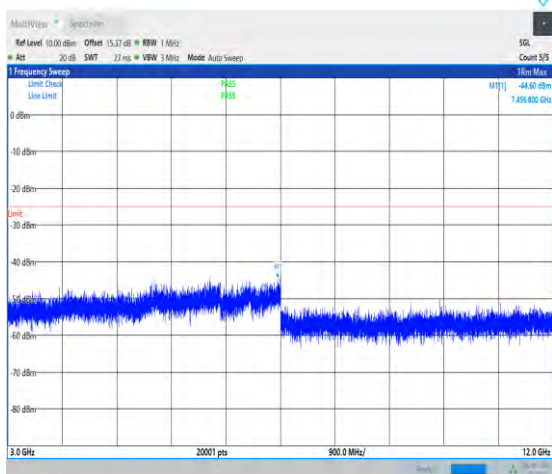
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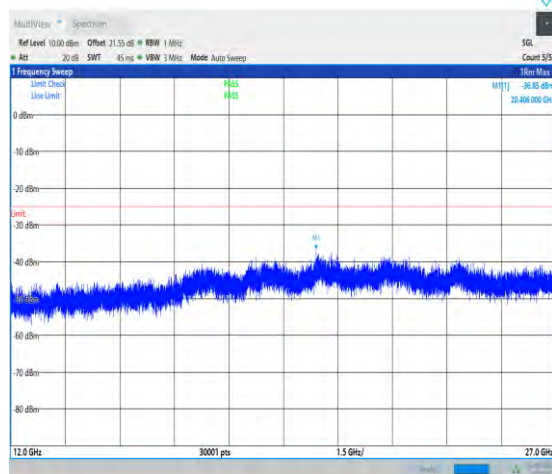
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11:10:53 05.06.2023

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B_Left-1@1-3000-12000-Ant1-7456.80--44.60--25-PASS



11:10:57 05.06.2023

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_Left-1@1-12000-27000-Ant1-20406.00--36.85--25-PASS



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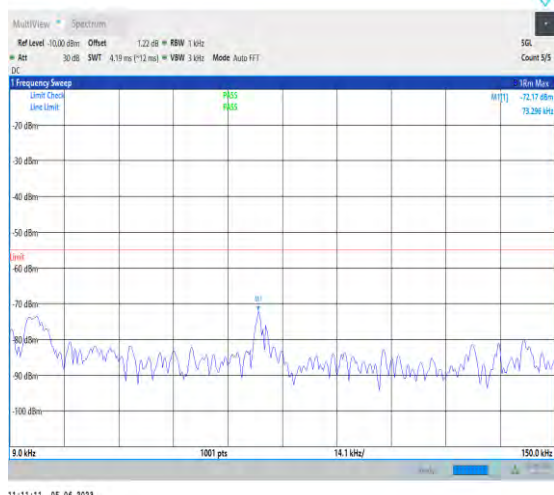
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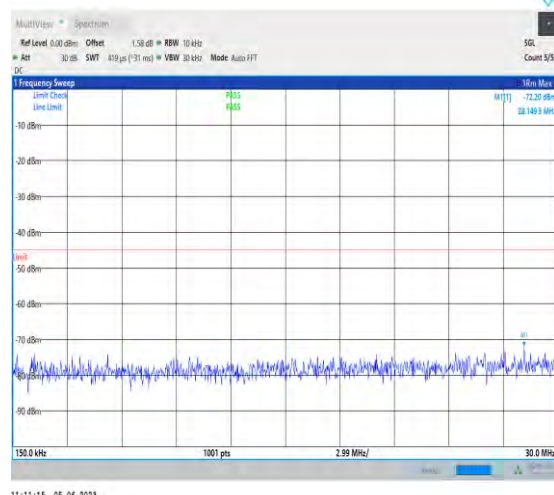
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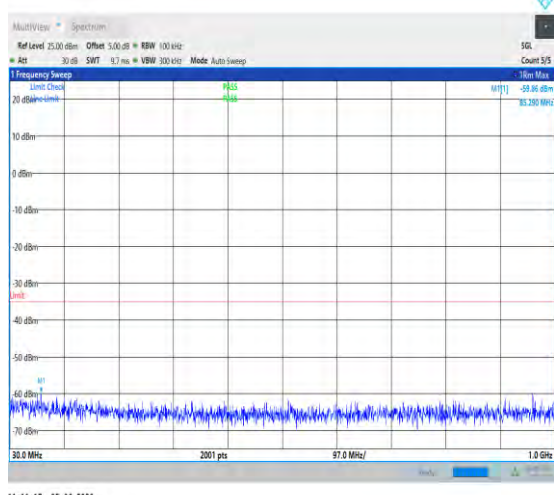
11:11:11 05.06.2023

1-N38-PC3-30-20-H-1-N/A-DFT-PI2BPSK-Inner_1R
B_Left-1@1-0.009-0.15-Ant1-0.07--72.17--55-PASS



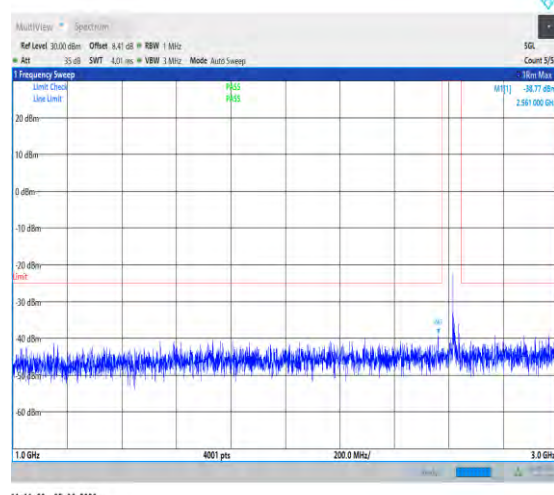
11:11:15 05.06.2023

1-N38-PC3-30-20-H-1-N/A-DFT-PI2BPSK-Inner_1RB
_Left-1@1-0.15-30-Ant1-28.15--72.20--45-PASS



11:11:17 05.06.2023

1-N38-PC3-30-20-H-1-N/A-DFT-PI2BPSK-Inner_1R
B_Left-1@1-30-1000-Ant1-85.29--59.86--35-PASS



11:11:20 05.06.2023

1-N38-PC3-30-20-H-1-N/A-DFT-PI2BPSK-Inner_1RB
_Left-1@1-1000-3000-Ant1-2561.00--38.77--25-PASS
S



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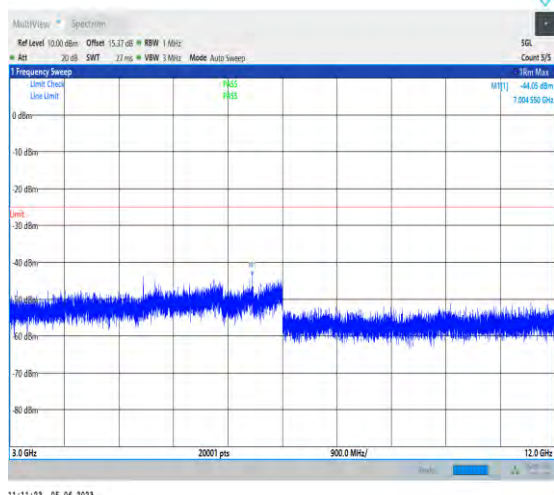
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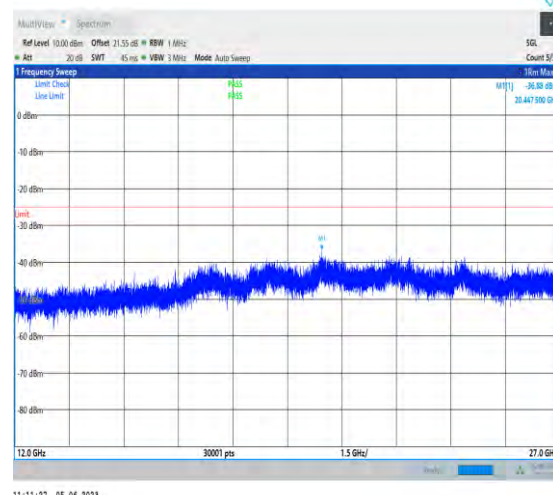
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1-N38-PC3-30-20-H-1-N/A-DFT-PI2BPSK-Inner_1R
B_Left-1@1-3000-12000-Ant1-7004.55--44.05--25-P
ASS



1-N38-PC3-30-20-H-1-N/A-DFT-PI2BPSK-Inner_1RB
_Left-1@1-12000-27000-Ant1-20447.50--36.88--25-P
ASS



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Field Strength of Spurious Radiation(Worse)

Test Band = NR Band 38_ 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	4056.5	43.62	-45.20	30.69	-66.15	-25.00	41.15	146	0	Horizontal
2	5144.18	41.42	-44.23	32.60	-65.47	-25.00	40.47	135	34	Horizontal
3	7716.27	38.40	-41.21	36.93	-61.14	-25.00	36.14	287	138	Horizontal
4	10288.36	34.40	-36.80	38.82	-58.84	-25.00	33.84	129	323	Horizontal
5	12860.45	32.28	-34.95	39.46	-58.47	-25.00	33.47	206	0	Horizontal
6	15432.54	31.12	-33.97	38.64	-59.47	-25.00	34.47	294	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	4211	42.73	-45.01	30.94	-66.60	-25.00	41.60	259	90	Vertical
2	5144.18	40.74	-44.23	32.60	-66.15	-25.00	41.15	176	297	Vertical
3	7716.27	37.41	-41.21	36.93	-62.13	-25.00	37.13	238	47	Vertical
4	10288.36	33.42	-36.80	38.82	-59.82	-25.00	34.82	142	215	Vertical
5	12860.45	33.65	-34.95	39.46	-57.10	-25.00	32.10	158	0	Vertical
6	15432.54	30.78	-33.97	38.64	-59.81	-25.00	34.81	166	47	Vertical



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Test Band = NR Band 38_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	4077	43.44	-45.10	30.72	-66.20	-25.00	41.20	219	4	Horizontal
2	5154.18	40.75	-44.21	32.60	-66.12	-25.00	41.12	186	237	Horizontal
3	7731.27	37.25	-41.11	36.96	-62.15	-25.00	37.15	233	237	Horizontal
4	10308.36	33.74	-36.80	38.84	-59.48	-25.00	34.48	147	259	Horizontal
5	12885.45	32.47	-34.89	39.49	-58.20	-25.00	33.20	128	74	Horizontal
6	15462.54	30.68	-34.06	38.60	-60.04	-25.00	35.04	256	0	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6788	41.78	-42.56	35.78	-60.27	-25.00	35.27	192	301	Vertical
2	5154.18	40.87	-44.21	32.60	-66.00	-25.00	41.00	263	28	Vertical
3	7731.27	38.16	-41.11	36.96	-61.24	-25.00	36.24	274	175	Vertical
4	10308.36	34.40	-36.80	38.84	-58.82	-25.00	33.82	184	357	Vertical
5	12885.45	33.74	-34.89	39.49	-56.93	-25.00	31.93	159	237	Vertical
6	15462.54	31.52	-34.06	38.60	-59.20	-25.00	34.20	260	0	Vertical



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Test Band = NR Band 38_ 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	3878	44.15	-45.47	30.31	-66.27	-25.00	41.27	228	6	Horizontal
2	5144.18	41.13	-44.23	32.60	-65.76	-25.00	40.76	194	60	Horizontal
3	7716.27	37.53	-41.21	36.93	-62.01	-25.00	37.01	275	253	Horizontal
4	10288.36	33.24	-36.80	38.82	-60.00	-25.00	35.00	165	357	Horizontal
5	12860.45	32.52	-34.95	39.46	-58.23	-25.00	33.23	234	80	Horizontal
6	15432.54	31.14	-33.97	38.64	-59.45	-25.00	34.45	128	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	4068.5	43.39	-45.14	30.71	-66.30	-25.00	41.30	229	0	Vertical
2	5144.18	41.12	-44.23	32.60	-65.77	-25.00	40.77	263	357	Vertical
3	7716.27	37.84	-41.21	36.93	-61.70	-25.00	36.70	284	194	Vertical
4	10288.36	33.41	-36.80	38.82	-59.83	-25.00	34.83	175	256	Vertical
5	12860.45	32.84	-34.95	39.46	-57.91	-25.00	32.91	165	113	Vertical
6	15432.54	30.43	-33.97	38.64	-60.16	-25.00	35.16	244	71	Vertical



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Test Band = NR Band 38_ TM1_ Ant31
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	4424	43.90	-44.87	31.28	-64.95	-25.00	39.95	254	112	Horizontal
2	5144.18	40.48	-44.23	32.60	-66.41	-25.00	41.41	179	2	Horizontal
3	7716.27	37.30	-41.21	36.93	-62.24	-25.00	37.24	238	216	Horizontal
4	10288.36	33.30	-36.80	38.82	-59.94	-25.00	34.94	192	196	Horizontal
5	12860.45	32.16	-34.95	39.46	-58.59	-25.00	33.59	164	112	Horizontal
6	15432.54	30.94	-33.97	38.64	-59.65	-25.00	34.65	258	236	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3807.5	43.30	-45.43	30.14	-67.26	-25.00	42.26	187	168	Vertical
2	5144.18	40.44	-44.23	32.60	-66.45	-25.00	41.45	189	46	Vertical
3	7716.27	38.00	-41.21	36.93	-61.54	-25.00	36.54	265	1	Vertical
4	10288.36	32.89	-36.80	38.82	-60.35	-25.00	35.35	172	87	Vertical
5	12860.45	32.58	-34.95	39.46	-58.17	-25.00	33.17	146	87	Vertical
6	15432.54	31.00	-33.97	38.64	-59.59	-25.00	34.59	203	298	Vertical



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Test Band = NR Band 38_ TM1_ Ant31
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	4216	43.08	-45.01	30.95	-66.24	-25.00	41.24	139	237	Horizontal
2	5154.18	40.38	-44.21	32.60	-66.49	-25.00	41.49	267	300	Horizontal
3	7731.27	37.34	-41.11	36.96	-62.06	-25.00	37.06	148	0	Horizontal
4	10308.36	34.10	-36.80	38.84	-59.12	-25.00	34.12	159	110	Horizontal
5	12885.45	32.48	-34.89	39.49	-58.19	-25.00	33.19	289	259	Horizontal
6	15462.54	31.34	-34.06	38.60	-59.38	-25.00	34.38	276	9	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3971.5	43.67	-45.46	30.53	-66.52	-25.00	41.52	193	45	Vertical
2	5154.18	40.04	-44.21	32.60	-66.83	-25.00	41.83	268	357	Vertical
3	7731.27	37.51	-41.11	36.96	-61.89	-25.00	36.89	175	319	Vertical
4	10308.36	34.12	-36.80	38.84	-59.10	-25.00	34.10	248	2	Vertical
5	12885.45	32.19	-34.89	39.49	-58.48	-25.00	33.48	163	257	Vertical
6	15462.54	31.08	-34.06	38.60	-59.64	-25.00	34.64	208	150	Vertical



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Test Band = NR Band 38_ TM1_ Ant31
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	4194.5	43.61	-45.02	30.91	-65.76	-25.00	40.76	216	173	Horizontal
2	5152	47.15	-44.22	32.60	-59.73	-25.00	34.73	287	92	Horizontal
3	7728	44.56	-41.13	36.96	-54.88	-25.00	29.88	169	322	Horizontal
4	10328.36	34.85	-36.73	38.86	-58.28	-25.00	33.28	235	30	Horizontal
5	12910.45	32.19	-34.87	39.51	-58.43	-25.00	33.43	175	0	Horizontal
6	15492.54	31.86	-34.15	38.56	-58.99	-25.00	33.99	264	282	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4430	42.95	-44.86	31.29	-65.88	-25.00	40.88	128	58	Vertical
2	7728.5	47.10	-41.13	36.96	-52.33	-25.00	27.33	272	80	Vertical
3	5164.18	41.33	-44.20	32.60	-65.53	-25.00	40.53	194	253	Vertical
4	10328.36	34.36	-36.73	38.86	-58.77	-25.00	33.77	238	339	Vertical
5	12910.45	31.91	-34.87	39.51	-58.71	-25.00	33.71	175	231	Vertical
6	15492.54	32.76	-34.15	38.56	-58.09	-25.00	33.09	195	339	Vertical



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Test Band = ENDC_4A_n38A_TM1_ANT13+ANT11
Test Channel = Low Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3422.18	41.95	-45.88	29.58	-69.60	-25.00	44.60	255	56	Horizontal
2	5133.27	40.82	-44.24	33.17	-65.51	-25.00	40.51	178	265	Horizontal
3	6844.36	40.34	-42.50	35.94	-61.48	-25.00	36.48	296	243	Horizontal
4	8555.45	35.73	-39.68	37.38	-61.83	-25.00	36.83	235	118	Horizontal
5	10266.54	33.80	-36.74	38.03	-60.16	-25.00	35.16	174	343	Horizontal
6	11977.63	32.43	-35.32	38.40	-59.75	-25.00	34.75	186	96	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3422.18	42.19	-45.88	29.58	-69.36	-25.00	44.36	289	288	Vertical
2	5133.27	40.45	-44.24	33.17	-65.88	-25.00	40.88	177	328	Vertical
3	6844.36	39.95	-42.50	35.94	-61.87	-25.00	36.87	146	360	Vertical
4	8555.45	37.11	-39.68	37.38	-60.45	-25.00	35.45	235	100	Vertical
5	10266.54	33.32	-36.74	38.03	-60.64	-25.00	35.64	185	247	Vertical
6	11977.63	32.89	-35.32	38.40	-59.29	-25.00	34.29	246	266	Vertical



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Test Band = ENDC_4A_n38A_TM1_ANT13+ANT11
Test Channel = Mid Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3472.18	42.36	-45.76	29.59	-69.06	-25.00	44.06	195	333	Horizontal
2	5208.27	40.63	-44.14	33.16	-65.61	-25.00	40.61	234	290	Horizontal
3	6944.36	39.72	-42.50	35.98	-62.06	-25.00	37.06	124	226	Horizontal
4	10308.36	33.70	-36.80	38.05	-60.31	-25.00	35.31	175	187	Horizontal
5	12885.45	32.60	-34.89	39.46	-58.09	-25.00	33.09	186	357	Horizontal
6	15462.54	31.03	-34.06	39.22	-59.07	-25.00	34.07	266	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	3472.18	42.23	-45.76	29.59	-69.19	-25.00	44.19	211	266	Vertical
2	5208.27	41.16	-44.14	33.16	-65.08	-25.00	40.08	189	206	Vertical
3	6944.36	38.57	-42.50	35.98	-63.21	-25.00	38.21	234	164	Vertical
4	10308.36	33.35	-36.80	38.05	-60.66	-25.00	35.66	175	62	Vertical
5	12885.45	32.49	-34.89	39.46	-58.20	-25.00	33.20	168	360	Vertical
6	15462.54	31.11	-34.06	39.22	-58.99	-25.00	33.99	188	247	Vertical



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Test Band = ENDC_4A_n38A_TM1_ANT13+ANT11
Test Channel = High Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3472.18	41.82	-45.76	29.59	-69.60	-25.00	44.60	209	114	Horizontal
2	5164.18	41.26	-44.20	33.17	-65.03	-25.00	40.03	286	324	Horizontal
3	5208.27	40.63	-44.14	33.16	-65.61	-25.00	40.61	274	198	Horizontal
4	6944.36	39.39	-42.50	35.98	-62.39	-25.00	37.39	146	32	Horizontal
5	7746.27	38.34	-41.00	36.85	-61.07	-25.00	36.07	235	282	Horizontal
6	10328.36	33.73	-36.73	38.06	-60.19	-25.00	35.19	177	155	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3472.18	41.92	-45.76	29.59	-69.50	-25.00	44.50	209	228	Vertical
2	5164.18	41.54	-44.20	33.17	-64.75	-25.00	39.75	288	312	Vertical
3	5208.27	41.11	-44.14	33.16	-65.13	-25.00	40.13	135	126	Vertical
4	6944.36	39.32	-42.50	35.98	-62.46	-25.00	37.46	168	269	Vertical
5	7746.27	38.40	-41.00	36.85	-61.01	-25.00	36.01	179	359	Vertical
6	10328.36	34.85	-36.73	38.06	-59.07	-25.00	34.07	205	166	Vertical



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Test Band = ENDC_66A_n38A_ TM1_ANT13+ANT11
Test Channel = Low Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3404.18	42.03	-45.92	29.58	-69.57	-25.00	44.57	214	41	Horizontal
2	5106.27	40.09	-44.28	33.18	-66.27	-25.00	41.27	189	82	Horizontal
3	6808.36	40.03	-42.55	35.92	-61.86	-25.00	36.86	235	63	Horizontal
4	10288.36	33.57	-36.80	38.04	-60.44	-25.00	35.44	277	63	Horizontal
5	12860.45	32.76	-34.95	39.43	-58.02	-25.00	33.02	186	327	Horizontal
6	15432.54	30.81	-33.97	39.28	-59.14	-25.00	34.14	290	187	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3404.18	44.63	-45.92	29.58	-66.97	-25.00	41.97	158	360	Vertical
2	5106.27	40.94	-44.28	33.18	-65.42	-25.00	40.42	196	167	Vertical
3	6808.36	39.35	-42.55	35.92	-62.54	-25.00	37.54	234	20	Vertical
4	10288.36	33.45	-36.80	38.04	-60.56	-25.00	35.56	175	335	Vertical
5	12860.45	32.20	-34.95	39.43	-58.58	-25.00	33.58	166	359	Vertical
6	15432.54	30.34	-33.97	39.28	-59.61	-25.00	34.61	287	81	Vertical



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Test Band = ENDC_66A_n38A_ TM1_ANT13+ANT11
Test Channel = Mid Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3454.18	42.38	-45.80	29.59	-69.09	-25.00	44.09	258	284	Horizontal
2	5181.27	41.80	-44.18	33.16	-64.47	-25.00	39.47	176	3	Horizontal
3	6908.36	40.12	-42.44	35.96	-61.62	-25.00	36.62	239	360	Horizontal
4	8635.45	36.37	-39.66	37.42	-61.13	-25.00	36.13	284	222	Horizontal
5	10362.54	33.99	-36.60	38.08	-59.79	-25.00	34.79	155	203	Horizontal
6	12089.63	32.78	-35.20	38.51	-59.17	-25.00	34.17	168	243	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3454.18	42.70	-45.80	29.59	-68.77	-25.00	43.77	205	182	Vertical
2	5181.27	40.86	-44.18	33.16	-65.41	-25.00	40.41	174	359	Vertical
3	6908.36	39.95	-42.44	35.96	-61.79	-25.00	36.79	196	226	Vertical
4	8635.45	35.68	-39.66	37.42	-61.82	-25.00	36.82	238	3	Vertical
5	10362.54	33.17	-36.60	38.08	-60.61	-25.00	35.61	175	288	Vertical
6	12089.63	32.68	-35.20	38.51	-59.27	-25.00	34.27	146	3	Vertical



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Test Band = ENDC_66A_n38A_ TM1_ANT13+ANT11
Test Channel = High Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3504.18	41.75	-45.67	29.62	-69.56	-25.00	44.56	241	224	Horizontal
2	5256.27	40.44	-44.07	33.15	-65.74	-25.00	40.74	186	246	Horizontal
3	7008.36	38.87	-42.58	36.01	-62.96	-25.00	37.96	239	118	Horizontal
4	8760.45	35.61	-39.21	37.48	-61.38	-25.00	36.38	288	80	Horizontal
5	12910.45	32.41	-34.87	39.49	-58.22	-25.00	33.22	176	2	Horizontal
6	15492.54	31.82	-34.15	39.16	-58.43	-25.00	33.43	143	289	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3504.18	42.10	-45.67	29.62	-69.21	-25.00	44.21	128	308	Vertical
2	5256.27	40.06	-44.07	33.15	-66.12	-25.00	41.12	175	308	Vertical
3	7008.36	39.30	-42.58	36.01	-62.53	-25.00	37.53	196	142	Vertical
4	8760.45	35.39	-39.21	37.48	-61.60	-25.00	36.60	206	327	Vertical
5	12910.45	32.94	-34.87	39.49	-57.69	-25.00	32.69	234	286	Vertical
6	15492.54	32.42	-34.15	39.16	-57.83	-25.00	32.83	158	40	Vertical



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Test Band = ENDC_4A_n38A_TM1_ANT31+ANT11
Test Channel = Low Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4086	43.41	-45.06	30.74	-66.18	-25.00	41.18	216	94	Horizontal
2	6692.5	41.24	-42.61	35.59	-61.04	-25.00	36.04	233	262	Horizontal
3	12956	35.10	-34.89	39.56	-55.50	-25.00	30.50	295	241	Horizontal
4	5144.18	40.54	-44.23	32.60	-66.35	-25.00	41.35	274	341	Horizontal
5	7716.27	37.32	-41.21	36.93	-62.22	-25.00	37.22	154	0	Horizontal
6	10288.36	33.29	-36.80	38.82	-59.95	-25.00	34.95	213	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	4314	43.09	-44.93	31.10	-66.00	-25.00	41.00	211	340	Vertical
2	6845.5	41.64	-42.50	35.89	-60.23	-25.00	35.23	179	69	Vertical
3	9601	38.00	-38.09	38.54	-56.81	-25.00	31.81	134	357	Vertical
4	5144.18	40.45	-44.23	32.60	-66.44	-25.00	41.44	284	320	Vertical
5	7716.27	37.45	-41.21	36.93	-62.09	-25.00	37.09	179	3	Vertical
6	10288.36	34.32	-36.80	38.82	-58.92	-25.00	33.92	266	320	Vertical



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Test Band = ENDC_4A_n38A_TM1_ANT31+ANT11
Test Channel = Mid Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3921.5	43.50	-45.47	30.41	-66.82	-25.00	41.82	126	258	Horizontal
2	6207	42.40	-42.70	34.61	-60.95	-25.00	35.95	231	87	Horizontal
3	9560	38.27	-38.12	38.54	-56.57	-25.00	31.57	287	357	Horizontal
4	5154.18	39.86	-44.21	32.60	-67.01	-25.00	42.01	195	46	Horizontal
5	7731.27	37.60	-41.11	36.96	-61.80	-25.00	36.80	164	130	Horizontal
6	10308.36	33.59	-36.80	38.84	-59.63	-25.00	34.63	138	46	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4575	43.33	-44.55	31.58	-64.90	-25.00	39.90	165	2	Vertical
2	6215	42.32	-42.71	34.63	-61.02	-25.00	36.02	299	131	Vertical
3	13063	34.33	-34.63	39.64	-55.92	-25.00	30.92	286	0	Vertical
4	5154.18	40.46	-44.21	32.60	-66.41	-25.00	41.41	234	49	Vertical
5	7731.27	37.25	-41.11	36.96	-62.15	-25.00	37.15	174	357	Vertical
6	10308.36	33.29	-36.80	38.84	-59.93	-25.00	34.93	156	340	Vertical



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Test Band = ENDC_4A_n38A_TM1_ANT31+ANT11
Test Channel = High Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3934.5	43.59	-45.47	30.44	-66.70	-25.00	41.70	271	11	Horizontal
2	6235	42.42	-42.74	34.67	-60.91	-25.00	35.91	186	65	Horizontal
3	9579.5	38.39	-38.11	38.54	-56.44	-25.00	31.44	299	301	Horizontal
4	5164.18	40.45	-44.20	32.60	-66.41	-25.00	41.41	235	130	Horizontal
5	7746.27	38.06	-41.00	36.99	-61.21	-25.00	36.21	145	108	Horizontal
6	10328.36	34.28	-36.73	38.86	-58.85	-25.00	33.85	168	46	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4196	43.35	-45.02	30.91	-66.02	-25.00	41.02	149	145	Vertical
2	6208	41.97	-42.70	34.62	-61.37	-25.00	36.37	262	186	Vertical
3	9598.5	37.98	-38.10	38.54	-56.84	-25.00	31.84	235	105	Vertical
4	5164.18	40.00	-44.20	32.60	-66.86	-25.00	41.86	142	84	Vertical
5	7746.27	37.86	-41.00	36.99	-61.41	-25.00	36.41	177	124	Vertical
6	10328.36	34.46	-36.73	38.86	-58.67	-25.00	33.67	180	0	Vertical



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Test Band = ENDC_66A_n38A_ TM1_ANT31+ANT11
Test Channel = Low Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4322.5	43.00	-44.93	31.12	-66.08	-25.00	41.08	211	68	Horizontal
2	6249.5	42.08	-42.75	34.70	-61.24	-25.00	36.24	163	46	Horizontal
3	13482	33.71	-33.91	39.89	-55.57	-25.00	30.57	298	25	Horizontal
4	5144.18	39.54	-44.23	32.60	-67.35	-25.00	42.35	278	1	Horizontal
5	7716.27	37.32	-41.21	36.93	-62.22	-25.00	37.22	198	88	Horizontal
6	10288.36	32.79	-36.80	38.82	-60.45	-25.00	35.45	145	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	4288.5	43.27	-44.95	31.06	-65.88	-25.00	40.88	198	318	Vertical
2	6811.5	41.72	-42.55	35.82	-60.26	-25.00	35.26	275	318	Vertical
3	13613	34.56	-34.80	39.97	-55.53	-25.00	30.53	165	127	Vertical
4	5144.18	40.37	-44.23	32.60	-66.52	-25.00	41.52	142	9	Vertical
5	7716.27	37.19	-41.21	36.93	-62.35	-25.00	37.35	324	211	Vertical
6	10288.36	34.03	-36.80	38.82	-59.21	-25.00	34.21	134	9	Vertical



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Test Band = ENDC_66A_n38A_ TM1_ANT31+ANT11
Test Channel = Mid Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3569	43.81	-45.37	29.57	-67.25	-25.00	42.25	233	357	Horizontal
2	4559.5	44.94	-44.59	31.54	-63.37	-25.00	38.37	196	52	Horizontal
3	6216	42.06	-42.71	34.63	-61.28	-25.00	36.28	231	300	Horizontal
4	8016	38.86	-40.39	37.52	-59.27	-25.00	34.27	185	93	Horizontal
5	9599	38.63	-38.10	38.54	-56.19	-25.00	31.19	196	0	Horizontal
6	13585	34.37	-34.60	39.95	-55.54	-25.00	30.54	255	93	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3924	43.66	-45.47	30.42	-66.66	-25.00	41.66	162	45	Vertical
2	6998	41.30	-42.59	36.20	-60.35	-25.00	35.35	175	127	Vertical
3	13611.5	34.94	-34.80	39.97	-55.15	-25.00	30.15	189	0	Vertical
4	5154.18	39.97	-44.21	32.60	-66.90	-25.00	41.90	234	320	Vertical
5	7731.27	36.89	-41.11	36.96	-62.51	-25.00	37.51	119	10	Vertical
6	10308.36	33.62	-36.80	38.84	-59.60	-25.00	34.60	268	170	Vertical



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Test Band = ENDC_66A_n38A_ TM1_ANT31+ANT11
Test Channel = High Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4057.5	43.44	-45.19	30.69	-66.32	-25.00	41.32	139	357	Horizontal
2	6210.5	42.35	-42.70	34.62	-60.99	-25.00	35.99	267	28	Horizontal
3	9566	38.05	-38.12	38.54	-56.78	-25.00	31.78	186	318	Horizontal
4	5164.18	39.46	-44.20	32.60	-67.40	-25.00	42.40	169	213	Horizontal
5	7746.27	38.93	-41.00	36.99	-60.34	-25.00	35.34	235	276	Horizontal
6	10328.36	34.11	-36.73	38.86	-59.02	-25.00	34.02	175	71	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3972	44.20	-45.46	30.53	-65.99	-25.00	40.99	132	133	Vertical
2	6656.5	41.68	-42.65	35.51	-60.71	-25.00	35.71	169	0	Vertical
3	8930	38.76	-38.96	38.52	-56.94	-25.00	31.94	284	11	Vertical
4	5164.18	40.56	-44.20	32.60	-66.30	-25.00	41.30	144	358	Vertical
5	7746.27	37.08	-41.00	36.99	-62.19	-25.00	37.19	126	319	Vertical
6	10328.36	34.32	-36.73	38.86	-58.81	-25.00	33.81	293	11	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	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N38	30	20	DFT-PI2BPSK	M	Outer_Full	VH	NT	1.800000	0.000694	PASS
N38	30	20	DFT-PI2BPSK	M	Outer_Full	VN	NT	-6.400000	-0.002466	PASS
N38	30	20	DFT-PI2BPSK	M	Outer_Full	VL	NT	-6.600000	-0.002543	PASS
N38	30	20	CP-QPSK	M	Outer_Full	VH	NT	7.700000	0.002967	PASS
N38	30	20	CP-QPSK	M	Outer_Full	VN	NT	4.100000	0.001580	PASS
N38	30	20	CP-QPSK	M	Outer_Full	VL	NT	-4.300000	-0.001657	PASS

Frequency Error VS. Temperature

Band	SCS	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N38	30	20	DFT-PI2BPSK	M	Outer_Full	NV	-30	6.400000	0.002466	PASS
N38	30	20	DFT-PI2BPSK	M	Outer_Full	NV	-20	-1.800000	-0.000694	PASS
N38	30	20	DFT-PI2BPSK	M	Outer_Full	NV	-10	8.900000	0.003430	PASS
N38	30	20	DFT-PI2BPSK	M	Outer_Full	NV	0	-1.100000	-0.000424	PASS
N38	30	20	DFT-PI2BPSK	M	Outer_Full	NV	10	-8.000000	-0.003083	PASS
N38	30	20	DFT-PI2BPSK	M	Outer_Full	NV	20	-1.500000	-0.000578	PASS
N38	30	20	DFT-PI2BPSK	M	Outer_Full	NV	30	0.800000	0.000308	PASS
N38	30	20	DFT-PI2BPSK	M	Outer_Full	NV	40	-1.300000	-0.000501	PASS
N38	30	20	DFT-PI2BPSK	M	Outer_Full	NV	50	4.200000	0.001618	PASS
N38	30	20	CP-QPSK	M	Outer_Full	NV	-30	23.400000	0.009017	PASS
N38	30	20	CP-QPSK	M	Outer_Full	NV	-20	0.000000	0.000000	PASS
N38	30	20	CP-QPSK	M	Outer_Full	NV	-10	5.600000	0.002158	PASS
N38	30	20	CP-QPSK	M	Outer_Full	NV	0	10.400000	0.004008	PASS
N38	30	20	CP-QPSK	M	Outer_Full	NV	10	16.700000	0.006435	PASS
N38	30	20	CP-QPSK	M	Outer_Full	NV	20	2.500000	0.000963	PASS
N38	30	20	CP-QPSK	M	Outer_Full	NV	30	11.200000	0.004316	PASS
N38	30	20	CP-QPSK	M	Outer_Full	NV	40	0.900000	0.000347	PASS
N38	30	20	CP-QPSK	M	Outer_Full	NV	50	8.800000	0.003391	PASS

---End of Attachment---



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