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Appendix B.16

NR Band n38



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Effective (Isotropic) Radiated Power Output Data for SA

Test Result

ANT5

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	EIRP (dBm)	Limit	Verdict
N38	30	10	DFT-QPSK	L	Inner_1RB_Left	24.58	22.98	33.00	PASS
N38	30	10	DFT-16QAM	L	Inner_1RB_Left	24.37	22.77	33.00	PASS
N38	30	10	DFT-QPSK	M	Inner_1RB_Left	24.52	22.92	33.00	PASS
N38	30	10	DFT-16QAM	M	Inner_1RB_Left	24.37	22.77	33.00	PASS
N38	30	10	DFT-QPSK	H	Inner_1RB_Left	24.64	23.04	33.00	PASS
N38	30	10	DFT-16QAM	H	Inner_1RB_Left	24.55	22.95	33.00	PASS
N38	30	15	DFT-QPSK	L	Inner_1RB_Left	24.74	23.14	33.00	PASS
N38	30	15	DFT-16QAM	L	Inner_1RB_Left	24.52	22.92	33.00	PASS
N38	30	15	DFT-QPSK	M	Inner_1RB_Left	24.68	23.08	33.00	PASS
N38	30	15	DFT-16QAM	M	Inner_1RB_Left	24.45	22.85	33.00	PASS
N38	30	15	DFT-QPSK	H	Inner_1RB_Left	24.78	23.18	33.00	PASS
N38	30	15	DFT-16QAM	H	Inner_1RB_Left	24.53	22.93	33.00	PASS
N38	30	20	DFT-QPSK	L	Inner_1RB_Left	24.73	23.13	33.00	PASS
N38	30	20	DFT-16QAM	L	Inner_1RB_Left	24.41	22.81	33.00	PASS
N38	30	20	DFT-QPSK	M	Inner_1RB_Left	24.66	23.06	33.00	PASS
N38	30	20	DFT-16QAM	M	Inner_1RB_Left	24.38	22.78	33.00	PASS
N38	30	20	DFT-QPSK	H	Inner_1RB_Left	24.77	23.17	33.00	PASS
N38	30	20	DFT-16QAM	H	Inner_1RB_Left	24.58	22.98	33.00	PASS
N38	30	30	DFT-QPSK	L	Inner_1RB_Left	24.76	23.16	33.00	PASS
N38	30	30	DFT-16QAM	L	Inner_1RB_Left	24.57	22.97	33.00	PASS
N38	30	30	DFT-QPSK	M	Inner_1RB_Left	24.74	23.14	33.00	PASS
N38	30	30	DFT-16QAM	M	Inner_1RB_Left	24.31	22.71	33.00	PASS
N38	30	30	DFT-QPSK	H	Inner_1RB_Left	24.73	23.13	33.00	PASS
N38	30	30	DFT-16QAM	H	Inner_1RB_Left	24.52	22.92	33.00	PASS
N38	30	40	DFT-PI2BPSK	L	Inner_1RB_Left	24.74	23.14	33.00	PASS
N38	30	40	DFT-PI2BPSK	L	Inner_1RB_Right	24.9	23.3	33.00	PASS
N38	30	40	DFT-PI2BPSK	L	Outer_Full	24.79	23.19	33.00	PASS
N38	30	40	DFT-QPSK	L	Inner_1RB_Left	24.75	23.15	33.00	PASS
N38	30	40	DFT-QPSK	L	Inner_1RB_Right	24.88	23.28	33.00	PASS
N38	30	40	DFT-QPSK	L	Outer_Full	24.49	22.89	33.00	PASS
N38	30	40	DFT-16QAM	L	Inner_1RB_Left	24.51	22.91	33.00	PASS



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N38	30	40	DFT-16QAM	L	Inner_1RB_Right	24.69	23.09	33.00	PASS
N38	30	40	DFT-16QAM	L	Outer_Full	23.44	21.84	33.00	PASS
N38	30	40	DFT-64QAM	L	Inner_1RB_Left	22.89	21.29	33.00	PASS
N38	30	40	DFT-64QAM	L	Inner_1RB_Right	23.14	21.54	33.00	PASS
N38	30	40	DFT-64QAM	L	Outer_Full	22.97	21.37	33.00	PASS
N38	30	40	DFT-256QAM	L	Inner_1RB_Left	20.8	19.2	33.00	PASS
N38	30	40	DFT-256QAM	L	Inner_1RB_Right	20.92	19.32	33.00	PASS
N38	30	40	DFT-256QAM	L	Outer_Full	20.95	19.35	33.00	PASS
N38	30	40	DFT-PI2BPSK	M	Inner_1RB_Left	24.71	23.11	33.00	PASS
N38	30	40	DFT-PI2BPSK	M	Inner_1RB_Right	24.86	23.26	33.00	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	24.74	23.14	33.00	PASS
N38	30	40	DFT-QPSK	M	Inner_1RB_Left	24.73	23.13	33.00	PASS
N38	30	40	DFT-QPSK	M	Inner_1RB_Right	24.87	23.27	33.00	PASS
N38	30	40	DFT-QPSK	M	Outer_Full	24.49	22.89	33.00	PASS
N38	30	40	DFT-16QAM	M	Inner_1RB_Left	24.48	22.88	33.00	PASS
N38	30	40	DFT-16QAM	M	Inner_1RB_Right	24.66	23.06	33.00	PASS
N38	30	40	DFT-16QAM	M	Outer_Full	23.46	21.86	33.00	PASS
N38	30	40	DFT-64QAM	M	Inner_1RB_Left	22.96	21.36	33.00	PASS
N38	30	40	DFT-64QAM	M	Inner_1RB_Right	23.14	21.54	33.00	PASS
N38	30	40	DFT-64QAM	M	Outer_Full	22.96	21.36	33.00	PASS
N38	30	40	DFT-256QAM	M	Inner_1RB_Left	20.74	19.14	33.00	PASS
N38	30	40	DFT-256QAM	M	Inner_1RB_Right	20.91	19.31	33.00	PASS
N38	30	40	DFT-256QAM	M	Outer_Full	20.9	19.3	33.00	PASS
N38	30	40	DFT-PI2BPSK	H	Inner_1RB_Left	24.88	23.28	33.00	PASS
N38	30	40	DFT-PI2BPSK	H	Inner_1RB_Right	25	23.4	33.00	PASS
N38	30	40	DFT-PI2BPSK	H	Outer_Full	24.84	23.24	33.00	PASS
N38	30	40	DFT-QPSK	H	Inner_1RB_Left	24.86	23.26	33.00	PASS
N38	30	40	DFT-QPSK	H	Inner_1RB_Right	24.96	23.36	33.00	PASS
N38	30	40	DFT-QPSK	H	Outer_Full	24.53	22.93	33.00	PASS
N38	30	40	DFT-16QAM	H	Inner_1RB_Left	24.6	23	33.00	PASS
N38	30	40	DFT-16QAM	H	Inner_1RB_Right	24.71	23.11	33.00	PASS
N38	30	40	DFT-16QAM	H	Outer_Full	23.56	21.96	33.00	PASS
N38	30	40	DFT-64QAM	H	Inner_1RB_Left	23.05	21.45	33.00	PASS
N38	30	40	DFT-64QAM	H	Inner_1RB_Right	23.14	21.54	33.00	PASS
N38	30	40	DFT-64QAM	H	Outer_Full	23.07	21.47	33.00	PASS
N38	30	40	DFT-256QAM	H	Inner_1RB_Left	20.89	19.29	33.00	PASS
N38	30	40	DFT-256QAM	H	Inner_1RB_Right	21.03	19.43	33.00	PASS



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N38	30	40	DFT-256QAM	H	Outer_Full	20.99	19.39	33.00	PASS
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Peak-to-Average Ratio for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N38	30	40	DFT-256QAM	L	Outer_Full	6.59	≤13	PASS
N38	30	40	CP-256QAM	L	Outer_Full	6.58	≤13	PASS
N38	30	40	DFT-256QAM	M	Outer_Full	6.59	≤13	PASS
N38	30	40	CP-256QAM	M	Outer_Full	6.58	≤13	PASS
N38	30	40	DFT-256QAM	H	Outer_Full	6.57	≤13	PASS
N38	30	40	CP-256QAM	H	Outer_Full	6.59	≤13	PASS



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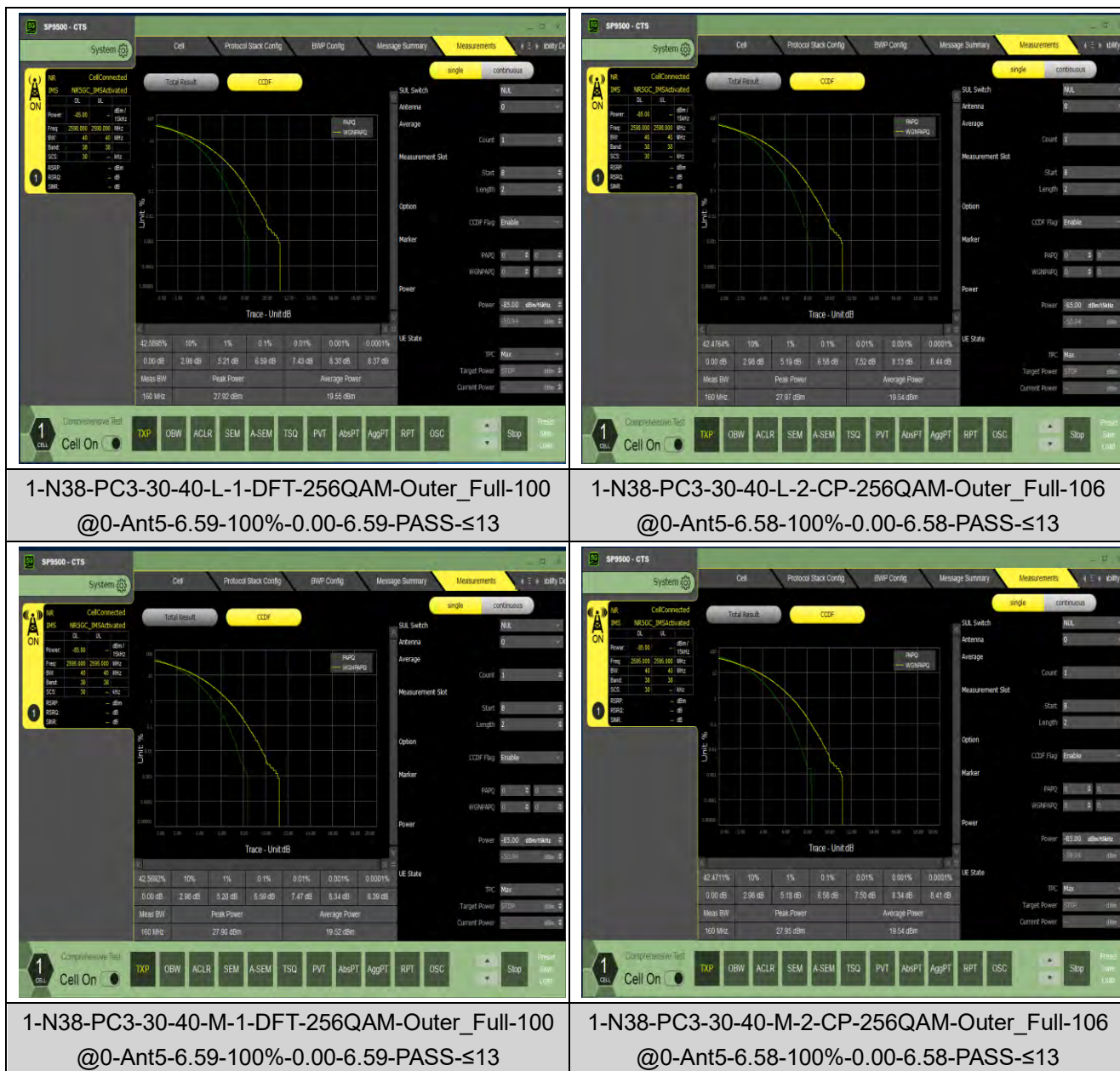
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Test Graphs



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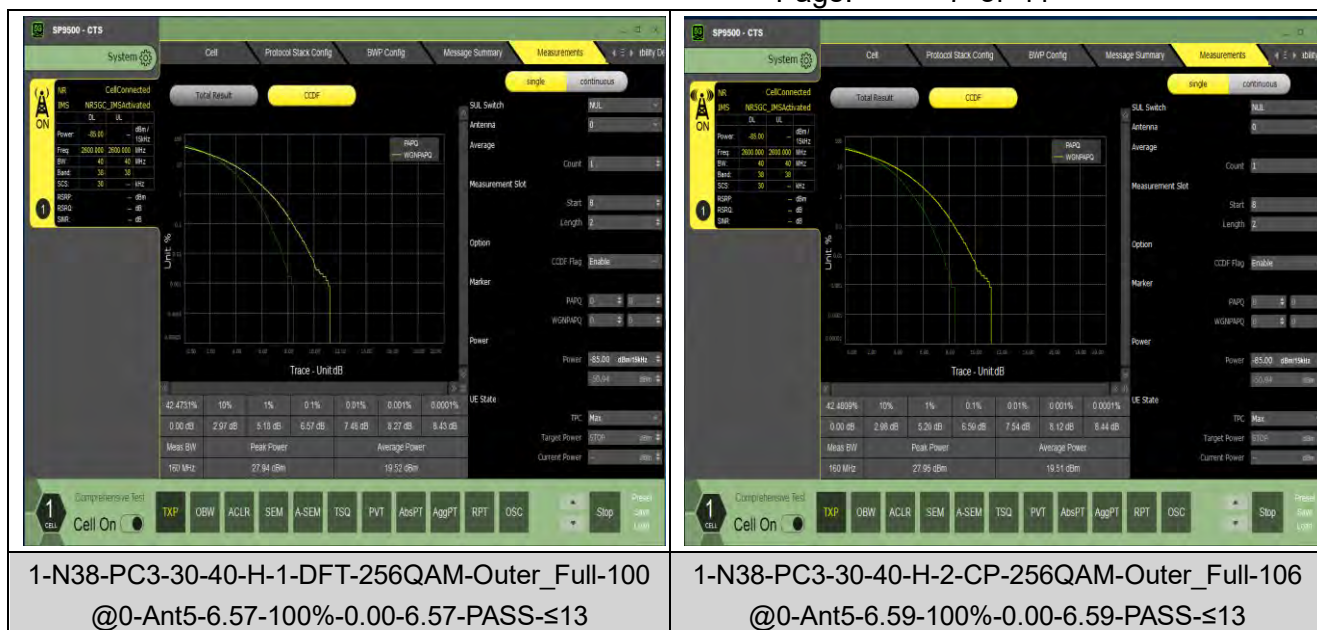
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26dB Bandwidth and Occupied Bandwidth for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N38	30	10	DFT-QPSK	M	Outer_Full	8.56	9.640	PASS
N38	30	10	DFT-PI2BPSK	M	Outer_Full	8.614	9.560	PASS
N38	30	10	DFT-16QAM	M	Outer_Full	8.598	9.240	PASS
N38	30	10	DFT-64QAM	M	Outer_Full	8.575	9.440	PASS
N38	30	10	DFT-256QAM	M	Outer_Full	8.573	9.380	PASS
N38	30	10	CP-QPSK	M	Outer_Full	8.58	9.840	PASS
N38	30	10	CP-16QAM	M	Outer_Full	8.571	9.660	PASS
N38	30	10	CP-64QAM	M	Outer_Full	8.563	9.580	PASS
N38	30	10	CP-256QAM	M	Outer_Full	8.573	9.460	PASS
N38	30	15	DFT-QPSK	M	Outer_Full	12.817	13.980	PASS
N38	30	15	DFT-PI2BPSK	M	Outer_Full	12.873	14.220	PASS
N38	30	15	DFT-16QAM	M	Outer_Full	12.892	14.070	PASS
N38	30	15	DFT-64QAM	M	Outer_Full	12.903	14.310	PASS
N38	30	15	DFT-256QAM	M	Outer_Full	12.776	13.980	PASS
N38	30	15	CP-QPSK	M	Outer_Full	13.6	14.400	PASS
N38	30	15	CP-16QAM	M	Outer_Full	13.605	14.790	PASS
N38	30	15	CP-64QAM	M	Outer_Full	13.573	14.880	PASS
N38	30	15	CP-256QAM	M	Outer_Full	13.526	14.640	PASS
N38	30	20	DFT-QPSK	M	Outer_Full	17.823	18.920	PASS
N38	30	20	DFT-PI2BPSK	M	Outer_Full	17.837	18.840	PASS
N38	30	20	DFT-16QAM	M	Outer_Full	17.816	19.280	PASS
N38	30	20	DFT-64QAM	M	Outer_Full	17.818	18.880	PASS
N38	30	20	DFT-256QAM	M	Outer_Full	17.824	19.240	PASS
N38	30	20	CP-QPSK	M	Outer_Full	18.194	19.680	PASS
N38	30	20	CP-16QAM	M	Outer_Full	18.137	19.080	PASS
N38	30	20	CP-64QAM	M	Outer_Full	18.246	19.680	PASS
N38	30	20	CP-256QAM	M	Outer_Full	18.192	19.480	PASS
N38	30	30	DFT-QPSK	M	Outer_Full	26.738	28.200	PASS
N38	30	30	DFT-PI2BPSK	M	Outer_Full	26.804	28.260	PASS
N38	30	30	DFT-16QAM	M	Outer_Full	26.889	28.020	PASS



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N38	30	30	DFT-64QAM	M	Outer_Full	26.802	28.080	PASS
N38	30	30	DFT-256QAM	M	Outer_Full	26.907	27.900	PASS
N38	30	30	CP-QPSK	M	Outer_Full	27.835	29.520	PASS
N38	30	30	CP-16QAM	M	Outer_Full	27.893	29.280	PASS
N38	30	30	CP-64QAM	M	Outer_Full	27.891	29.520	PASS
N38	30	30	CP-256QAM	M	Outer_Full	27.807	29.100	PASS
N38	30	40	DFT-QPSK	M	Outer_Full	35.808	37.360	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	35.75	37.760	PASS
N38	30	40	DFT-16QAM	M	Outer_Full	35.807	37.280	PASS
N38	30	40	DFT-64QAM	M	Outer_Full	35.825	37.600	PASS
N38	30	40	DFT-256QAM	M	Outer_Full	35.704	37.600	PASS
N38	30	40	CP-QPSK	M	Outer_Full	37.822	39.600	PASS
N38	30	40	CP-16QAM	M	Outer_Full	37.857	39.840	PASS
N38	30	40	CP-64QAM	M	Outer_Full	37.913	40.160	PASS
N38	30	40	CP-256QAM	M	Outer_Full	37.87	40.160	PASS



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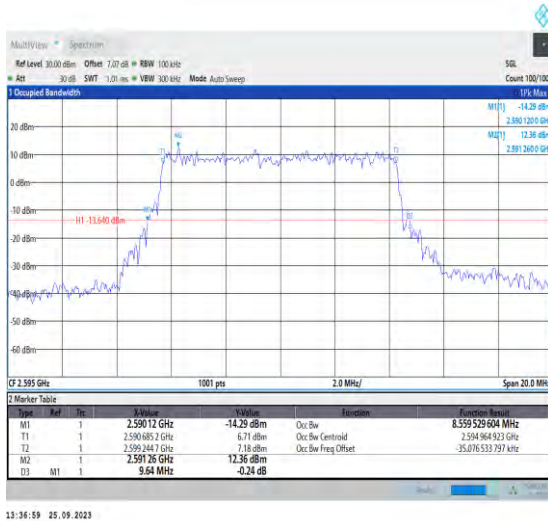
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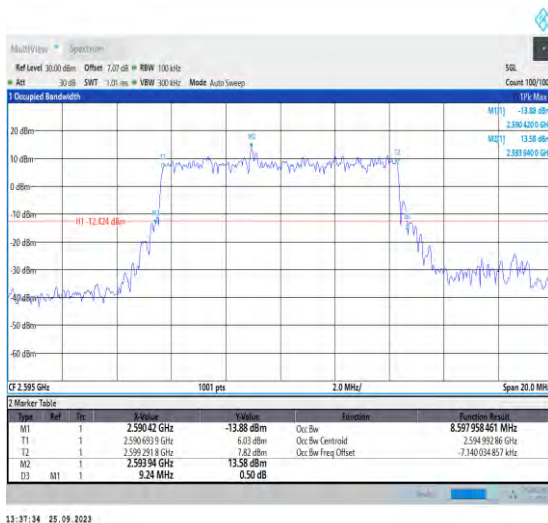
Test Graphs



1-N38-PC3-30-10-M-1-DFT-QPSK-Outer_Full-24@0-Ant5-8.56-9.640-≤10-PASS



1-N38-PC3-30-10-M-2-DFT-PI2BPSK-Outer_Full-24@0-Ant5-8.614-9.560-≤10-PASS



1-N38-PC3-30-10-M-3-DFT-16QAM-Outer_Full-24@0-Ant5-8.598-9.240-≤10-PASS



1-N38-PC3-30-10-M-4-DFT-64QAM-Outer_Full-24@0-Ant5-8.575-9.440-≤10-PASS



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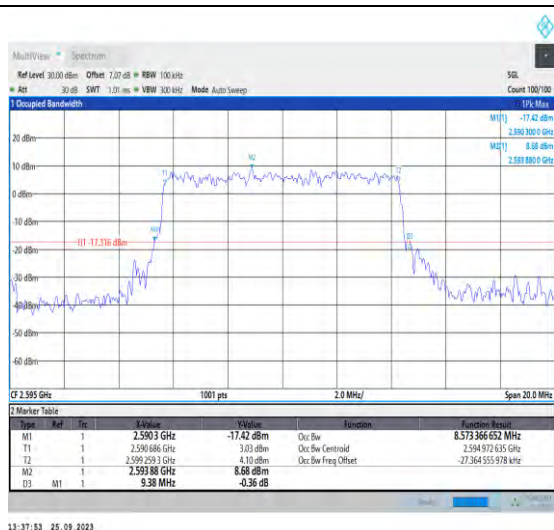
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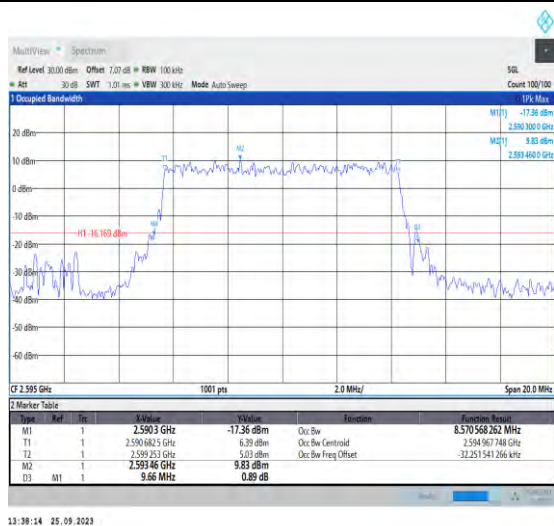
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1-N38-PC3-30-10-M-5-DFT-256QAM-Outer_Full-24@0-Ant5-8.573-9.380-≤10-PASS



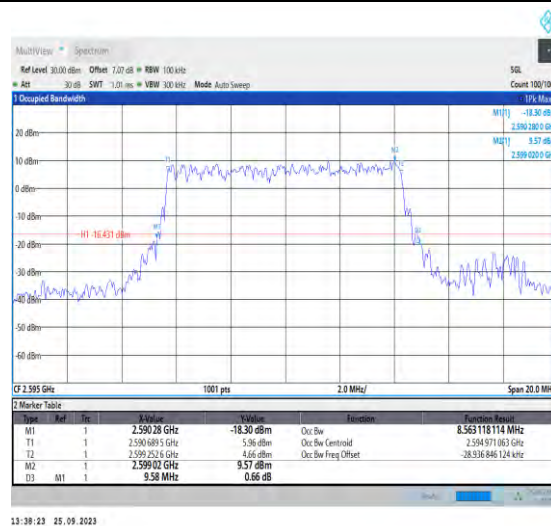
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1-N38-PC3-30-10-M-6-CP-QPSK-Outer_Full-24@0-Ant5-8.58-9.840-≤10-PASS



13:38:14 25.09.2023

1-N38-PC3-30-10-M-7-CP-16QAM-Outer_Full-24@0-Ant5-8.571-9.660-≤10-PASS



13:38:23 25.09.2023

1-N38-PC3-30-10-M-8-CP-64QAM-Outer_Full-24@0-Ant5-8.563-9.580-≤10-PASS



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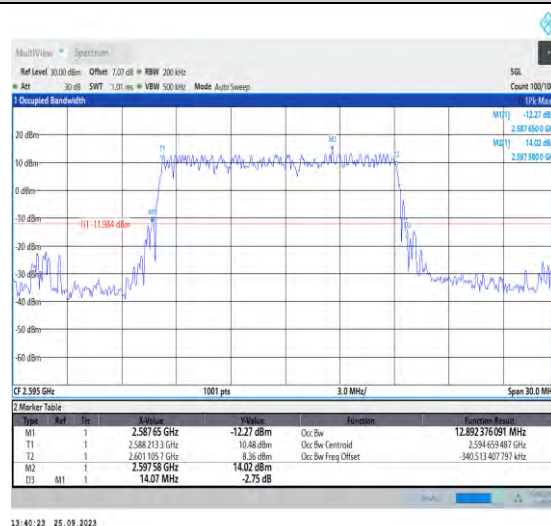
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1-N38-PC3-30-10-M-9-CP-256QAM-Outer_Full-24@
0-Ant5-8.573-9.460-≤10-PASS

1-N38-PC3-30-15-M-1-DFT-QPSK-Outer_Full-36@0
-Ant5-12.817-13.980-≤15-PASS



1-N38-PC3-30-15-M-2-DFT-PI2BPSK-Outer_Full-36
@0-Ant5-12.873-14.220-≤15-PASS

1-N38-PC3-30-15-M-3-DFT-16QAM-Outer_Full-36@
0-Ant5-12.892-14.070-≤15-PASS



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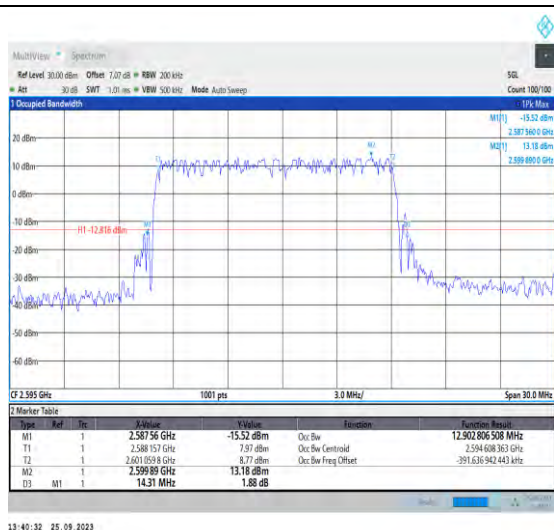
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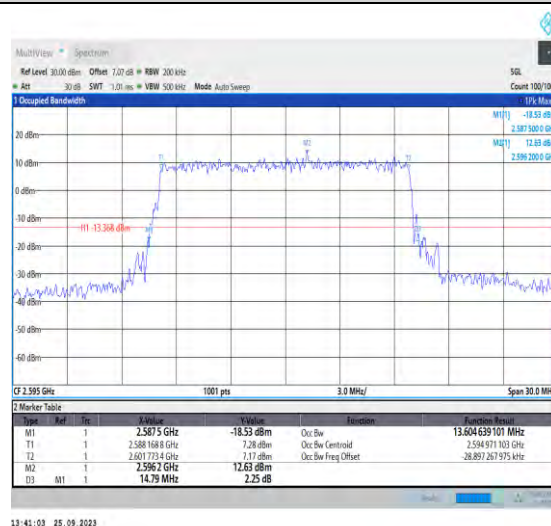
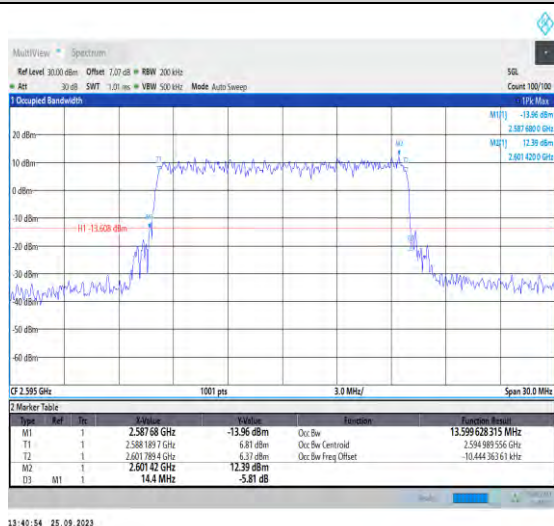
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1-N38-PC3-30-15-M-4-DFT-64QAM-Outer_Full-36@
0-Ant5-12.903-14.310≤15-PASS

1-N38-PC3-30-15-M-5-DFT-256QAM-Outer_Full-36
@0-Ant5-12.776-13.980≤15-PASS



1-N38-PC3-30-15-M-6-CP-QPSK-Outer_Full-38@0-
Ant5-13.6-14.400≤15-PASS

1-N38-PC3-30-15-M-7-CP-16QAM-Outer_Full-38@0
-Ant5-13.605-14.790≤15-PASS



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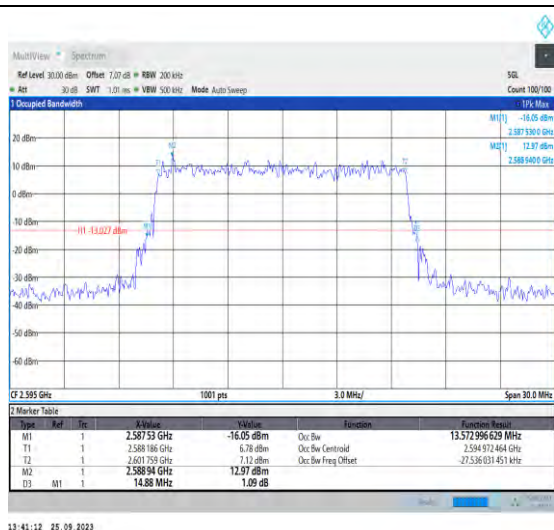
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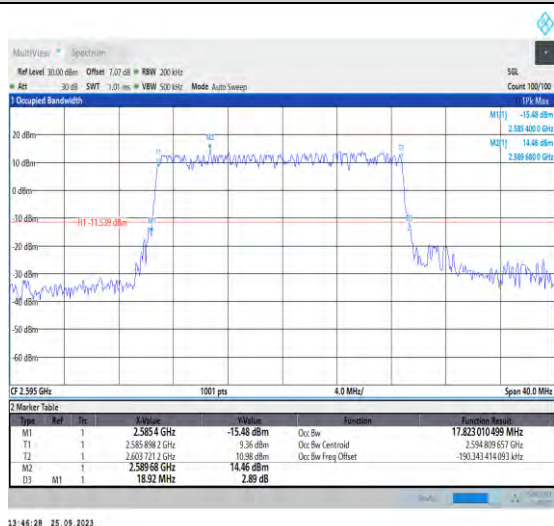
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1-N38-PC3-30-15-M-8-CP-64QAM-Outer_Full-38@0
-Ant5-13.573-14.880-≤15-PASS



1-N38-PC3-30-15-M-9-CP-256QAM-Outer_Full-38@0
0-Ant5-13.526-14.640-≤15-PASS



1-N38-PC3-30-20-M-1-DFT-QPSK-Outer_Full-50@0-
Ant5-17.823-18.920-≤20-PASS



1-N38-PC3-30-20-M-2-DFT-PI2BPSK-Outer_Full-50
@0-Ant5-17.837-18.840-≤20-PASS



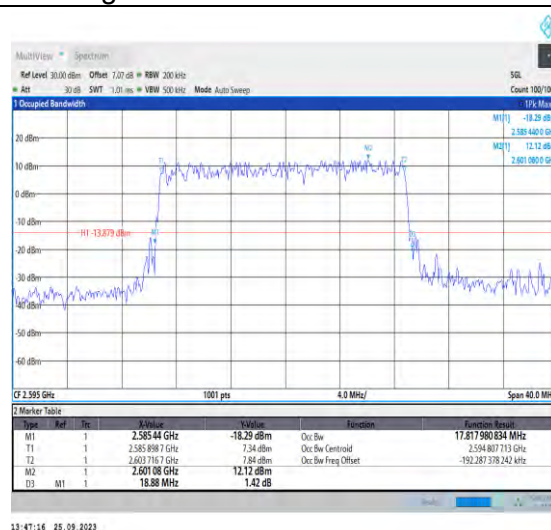
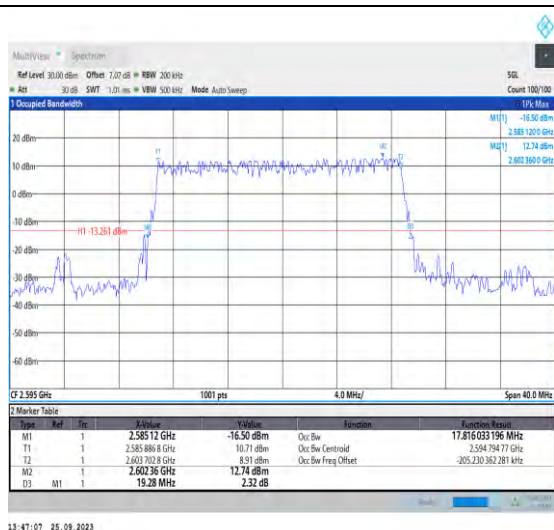
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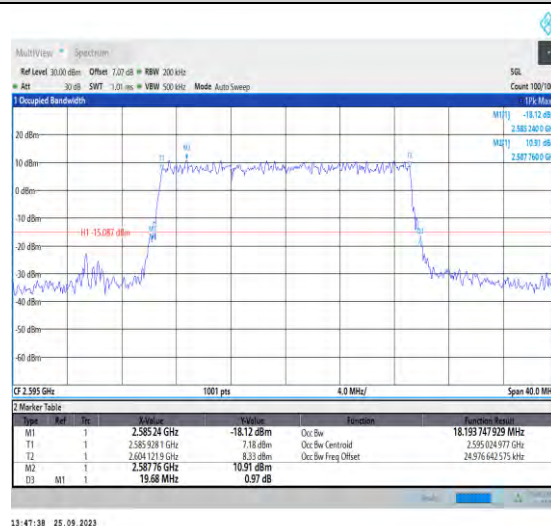
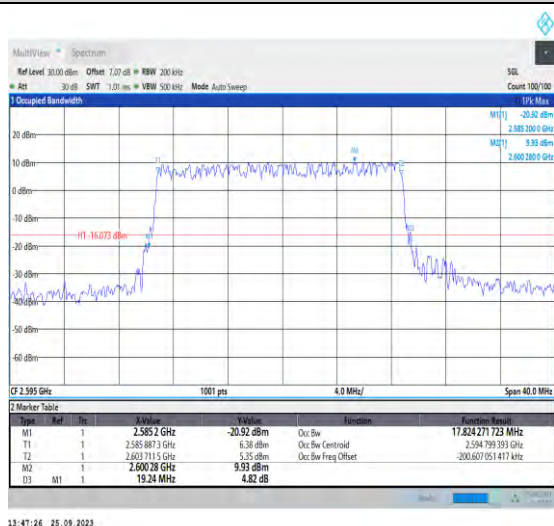
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1-N38-PC3-30-20-M-3-DFT-16QAM-Outer_Full-50@
0-Ant5-17.816-19.280-≤20-PASS

1-N38-PC3-30-20-M-4-DFT-64QAM-Outer_Full-50@
0-Ant5-17.818-18.880-≤20-PASS



1-N38-PC3-30-20-M-5-DFT-256QAM-Outer_Full-50
@0-Ant5-17.824-19.240-≤20-PASS

1-N38-PC3-30-20-M-6-CP-QPSK-Outer_Full-51@0-
Ant5-18.194-19.680-≤20-PASS



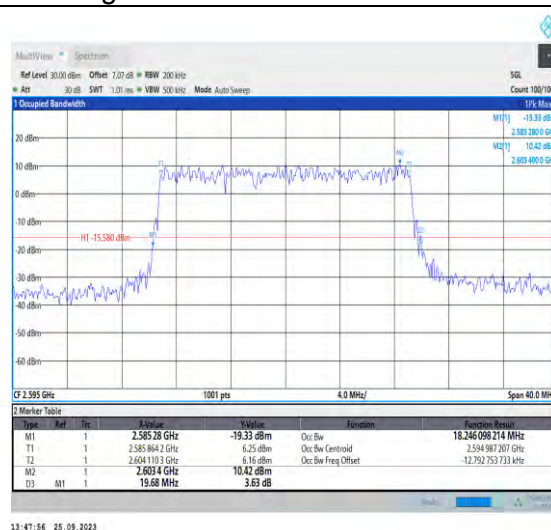
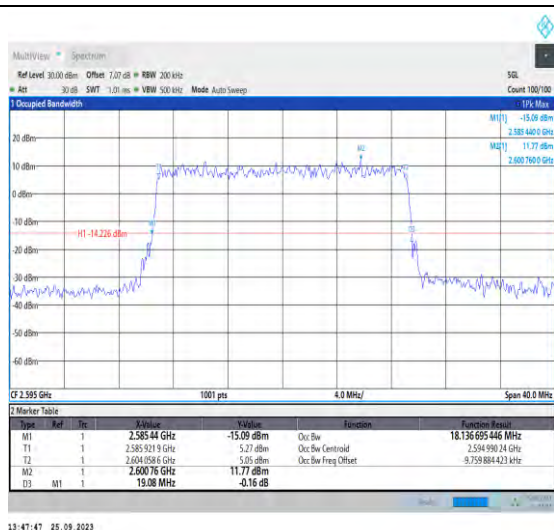
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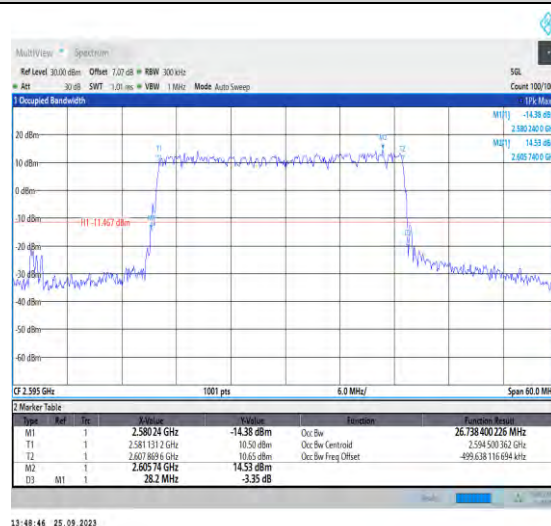
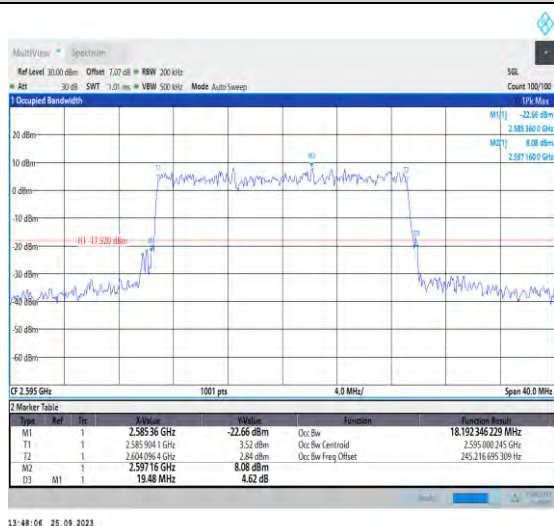
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1-N38-PC3-30-20-M-7-CP-16QAM-Outer_Full-51@0
-Ant5-18.137-19.080-≤20-PASS

1-N38-PC3-30-20-M-8-CP-64QAM-Outer_Full-51@0
-Ant5-18.246-19.680-≤20-PASS



1-N38-PC3-30-20-M-9-CP-256QAM-Outer_Full-51@0
0-Ant5-18.192-19.480-≤20-PASS

1-N38-PC3-30-30-M-1-DFT-QPSK-Outer_Full-75@0
-Ant5-26.738-28.200-≤30-PASS



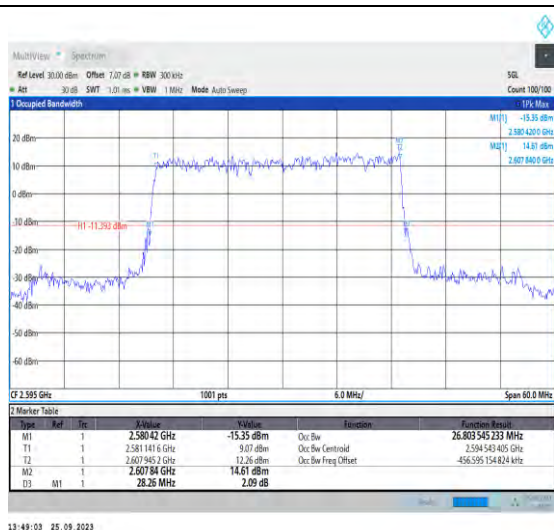
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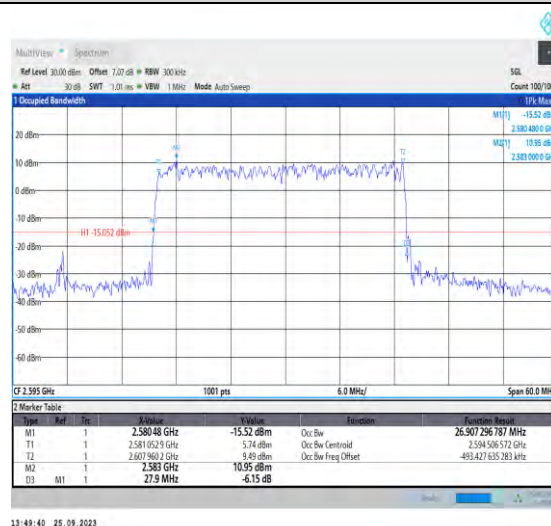
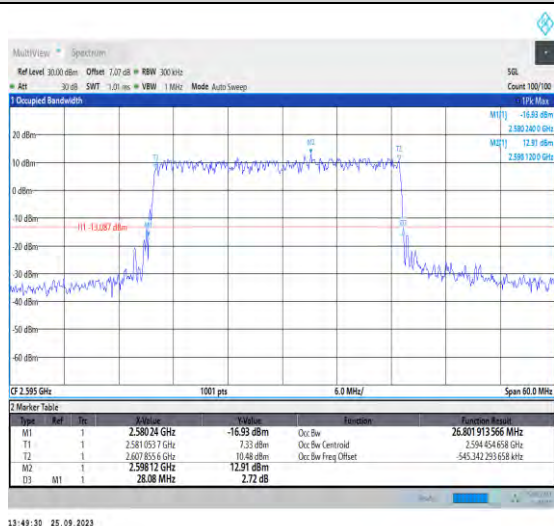
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1-N38-PC3-30-30-M-2-DFT-PI2BPSK-Outer_Full-75
@0-Ant5-26.804-28.260-≤30-PASS

1-N38-PC3-30-30-M-3-DFT-16QAM-Outer_Full-75@
0-Ant5-26.889-28.020-≤30-PASS



1-N38-PC3-30-30-M-4-DFT-64QAM-Outer_Full-75@
0-Ant5-26.802-28.080-≤30-PASS

1-N38-PC3-30-30-M-5-DFT-256QAM-Outer_Full-75
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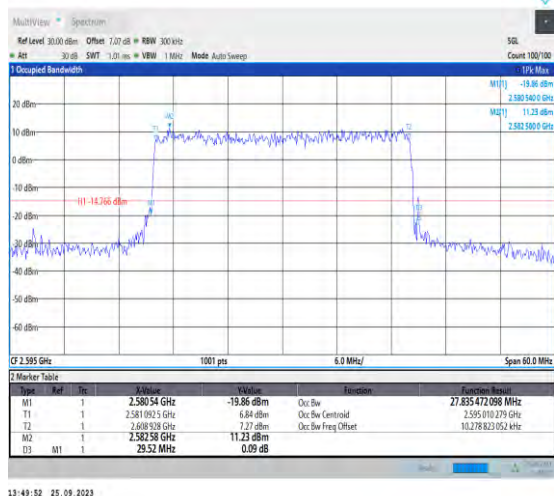
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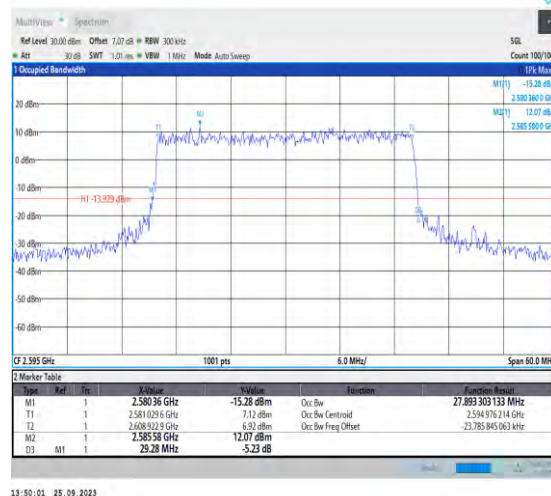
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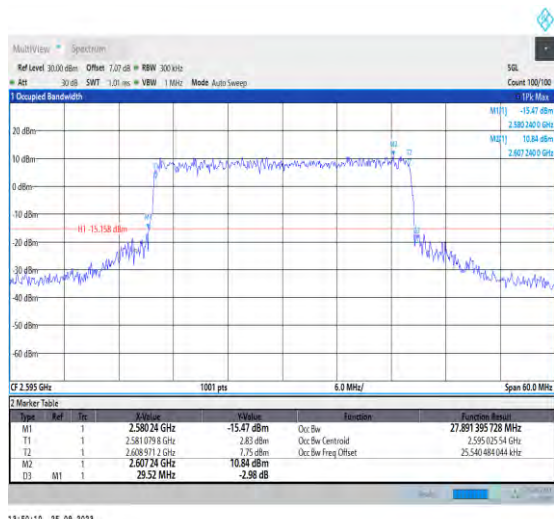
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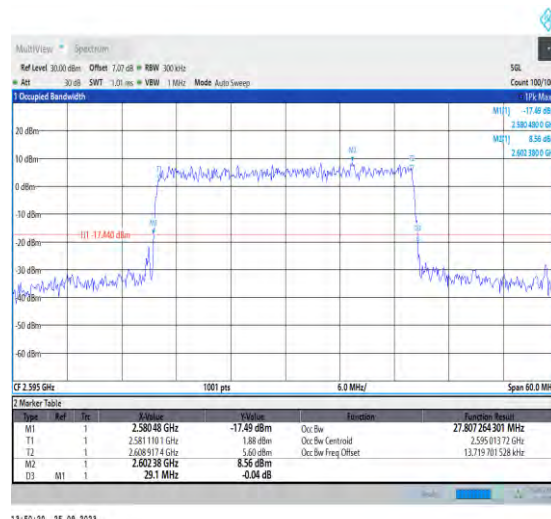
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1-N38-PC3-30-30-M-6-CP-QPSK-Outer_Full-78@0-Ant5-27.835-29.520-≤30-PASS

1-N38-PC3-30-30-M-7-CP-16QAM-Outer_Full-78@0-Ant5-27.893-29.280-≤30-PASS



13:50:10 25.09.2023



13:50:20 25.09.2023

1-N38-PC3-30-30-M-8-CP-64QAM-Outer_Full-78@0-Ant5-27.891-29.520-≤30-PASS

1-N38-PC3-30-30-M-9-CP-256QAM-Outer_Full-78@0-Ant5-27.807-29.100-≤30-PASS



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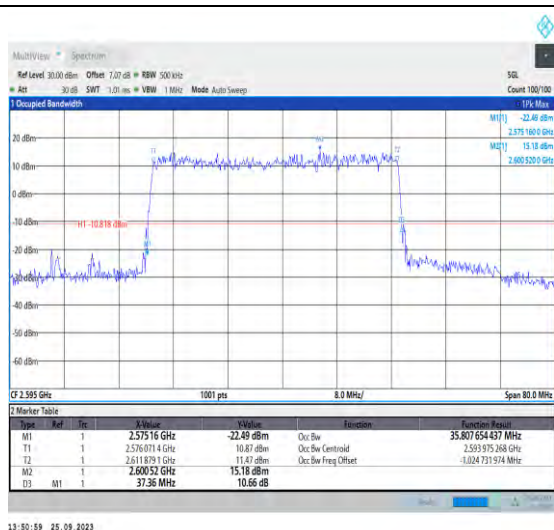
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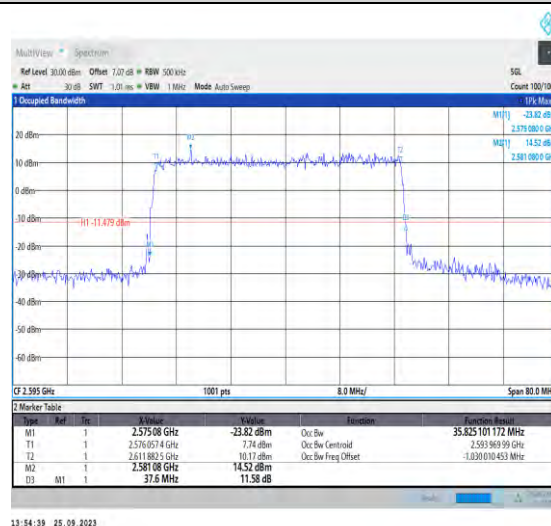
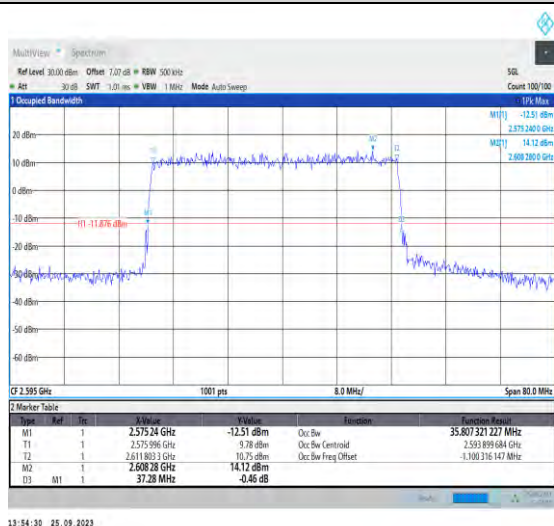
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1-N38-PC3-30-40-M-1-DFT-QPSK-Outer_Full-100@
0-Ant5-35.808-37.360-≤40-PASS

1-N38-PC3-30-40-M-2-DFT-PI2BPSK-Outer_Full-100@
0-Ant5-35.75-37.760-≤40-PASS



1-N38-PC3-30-40-M-3-DFT-16QAM-Outer_Full-100@
0-Ant5-35.807-37.280-≤40-PASS

1-N38-PC3-30-40-M-4-DFT-64QAM-Outer_Full-100@
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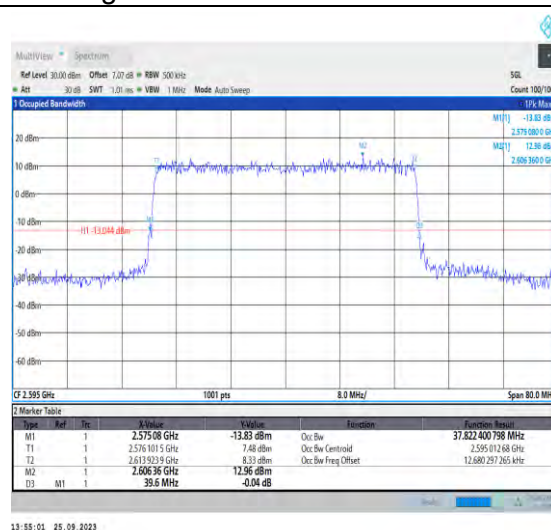
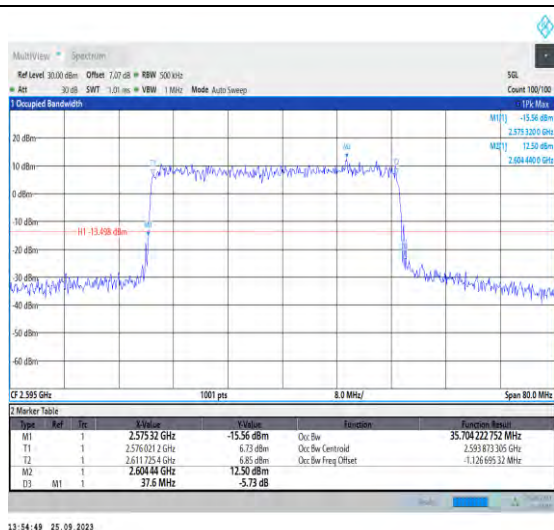
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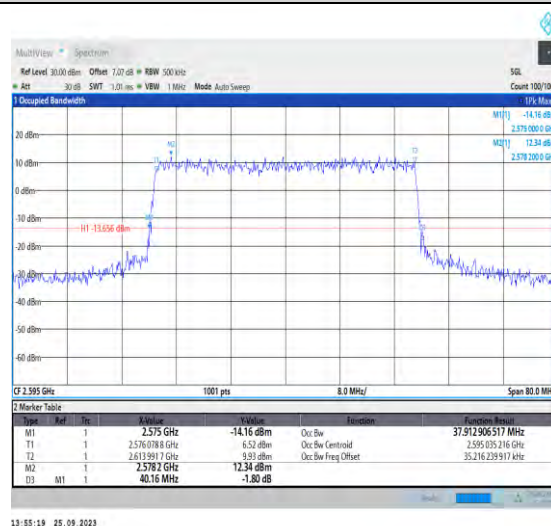
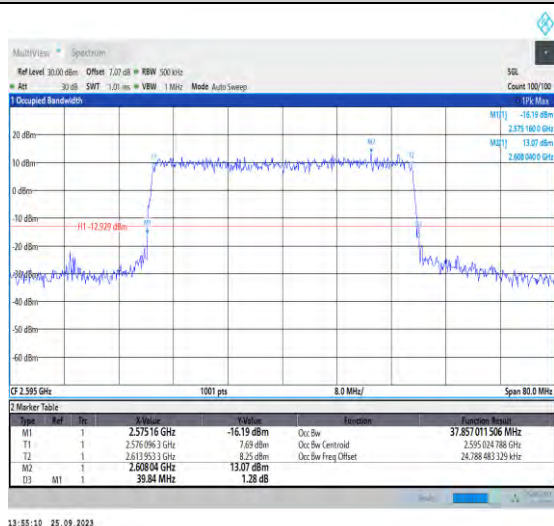
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1-N38-PC3-30-40-M-5-DFT-256QAM-Outer_Full-100
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1-N38-PC3-30-40-M-6-CP-QPSK-Outer_Full-106@0
-Ant5-37.822-39.600-≤40-PASS



1-N38-PC3-30-40-M-7-CP-16QAM-Outer_Full-106@0-Ant5-37.857-39.840-≤40-PASS

1-N38-PC3-30-40-M-8-CP-64QAM-Outer_Full-106@0-Ant5-37.913-40.160-≤40-PASS



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1-N38-PC3-30-40-M-9-CP-256QAM-Outer_Full-106
@0-Ant5-37.87-40.160-≤40-PASS



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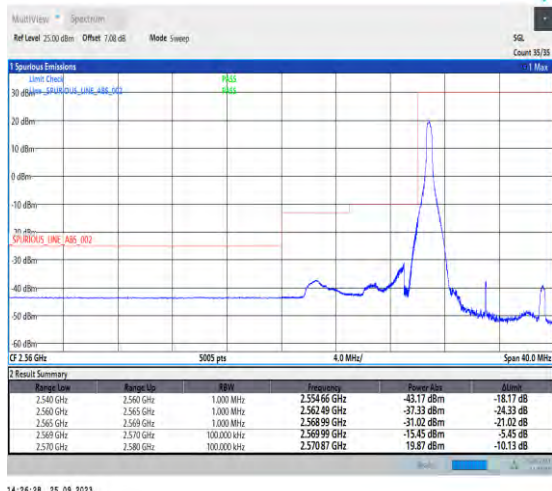
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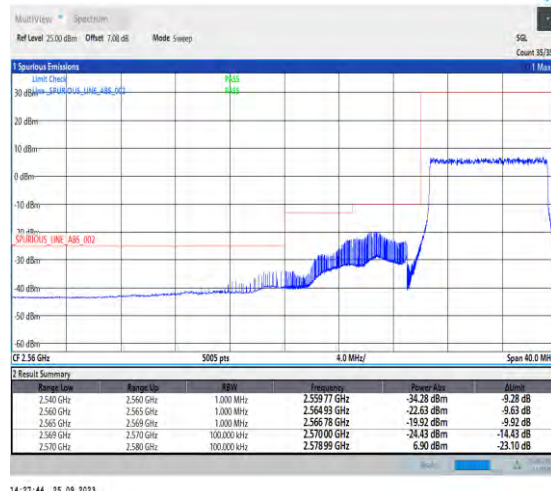
Band Edge for SA

Test Graphs



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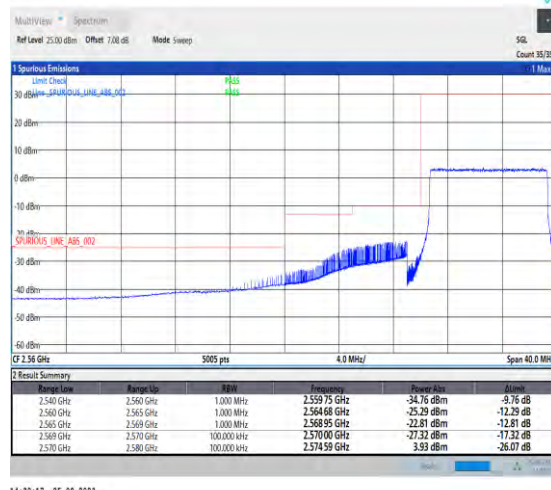
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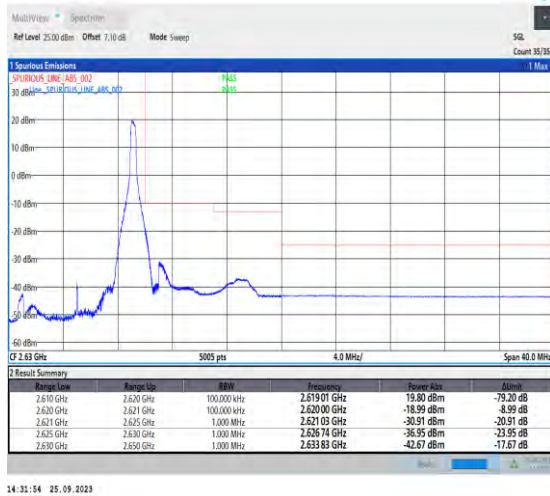
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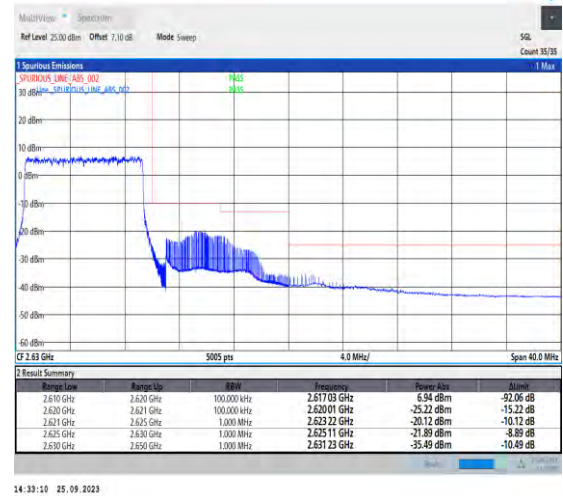
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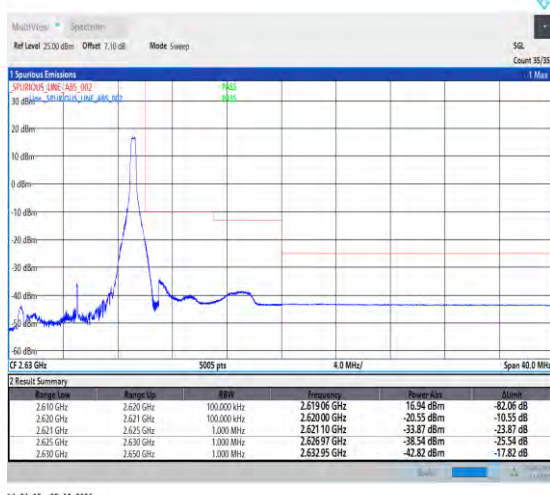
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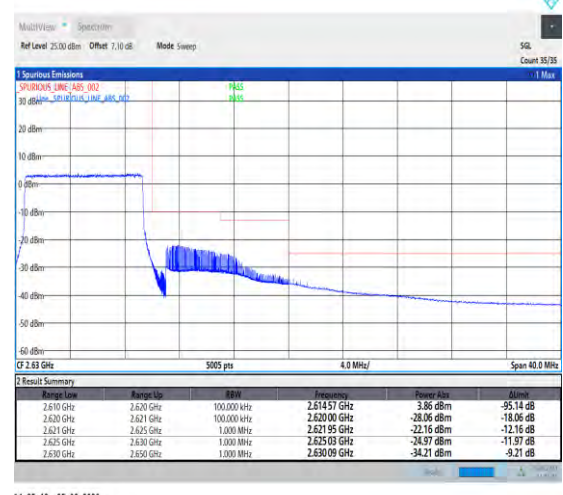
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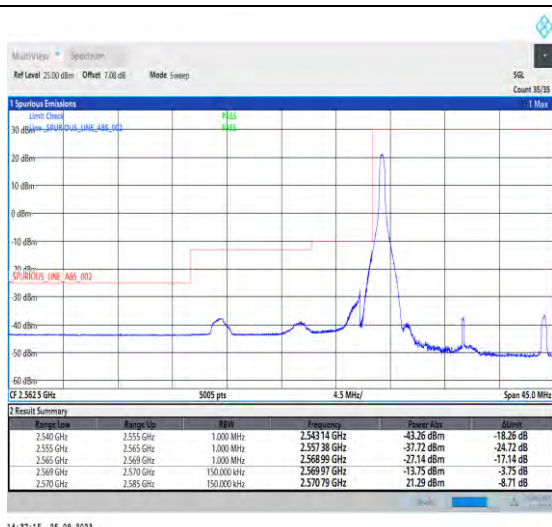
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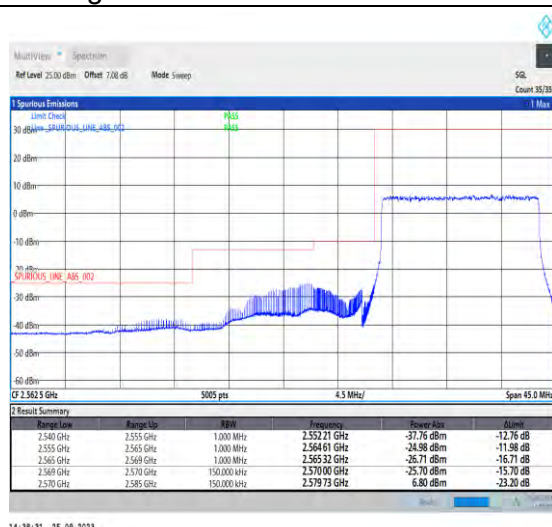
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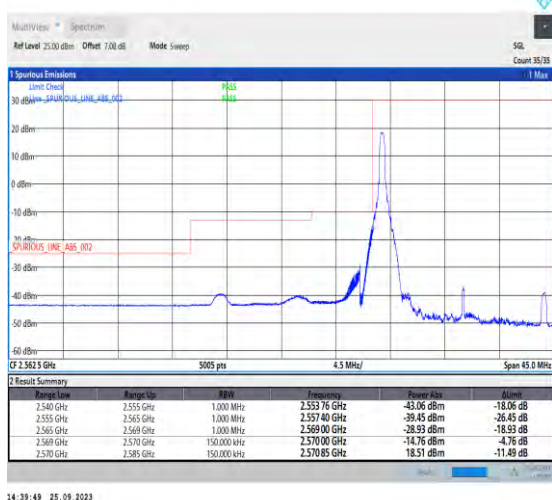
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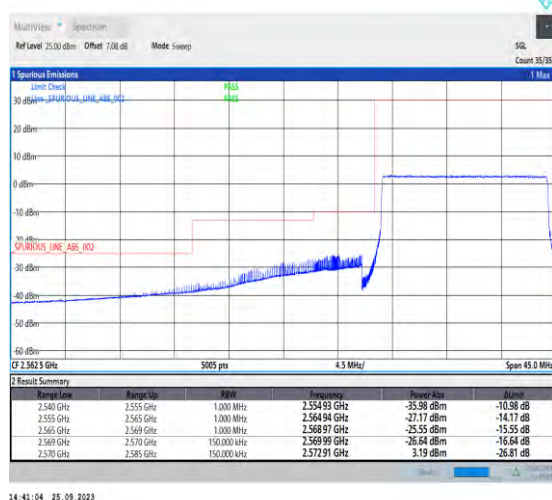
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14:39:49 25.09.2023

1-N38-PC3-30-15-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant5-1--PASS-see graph



14:41:04 25.09.2023

1-N38-PC3-30-15-L-6-CP-QPSK-Outer_Full-38@0-Ant5-1--PASS-see graph



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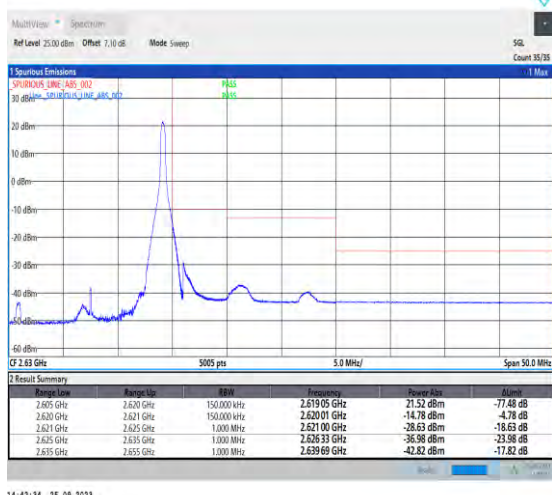
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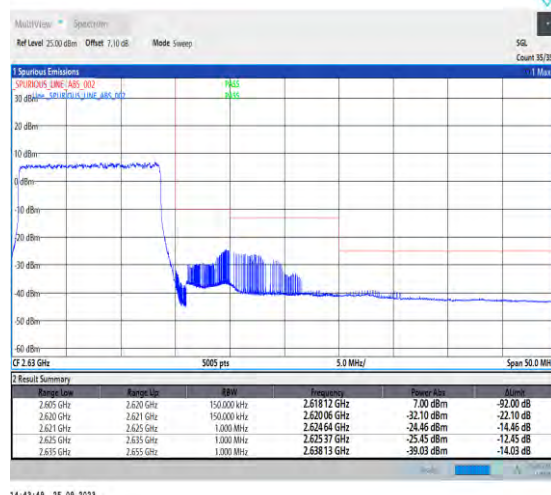
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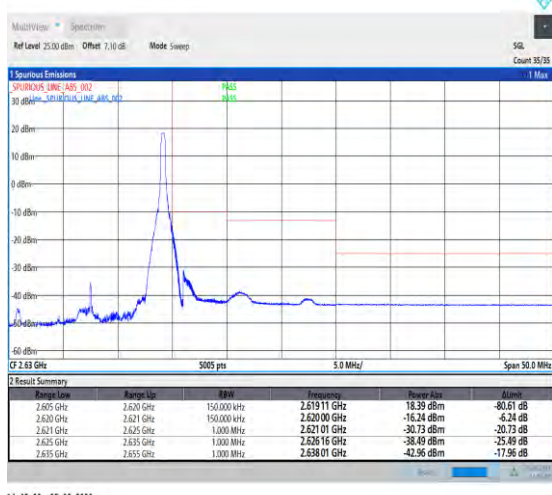
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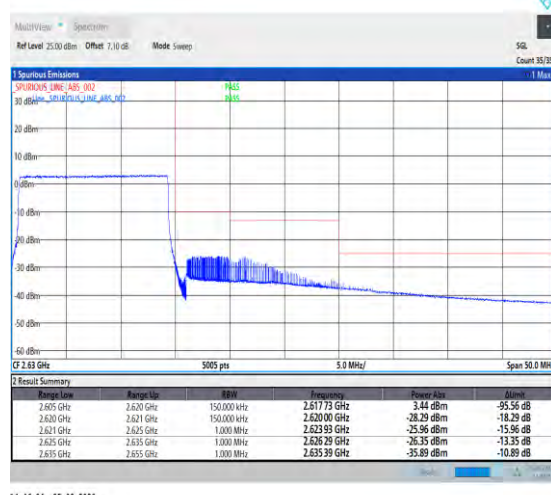
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1-N38-PC3-30-15-H-5-CP-QPSK-Edge_1RB_Righ t@37-Ant5-1--PASS-see graph



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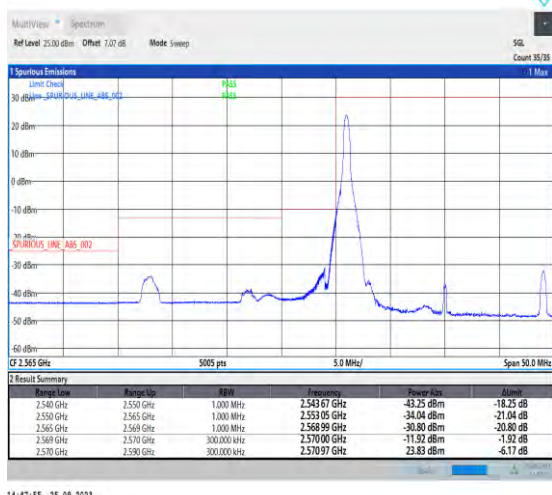
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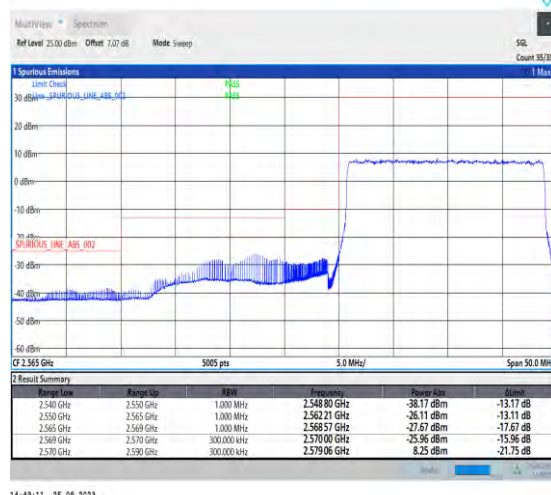
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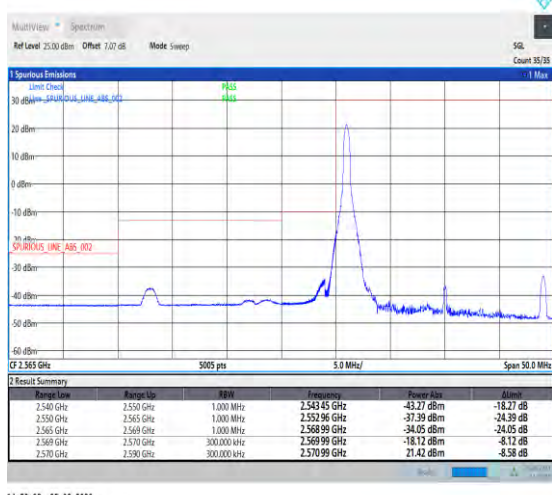
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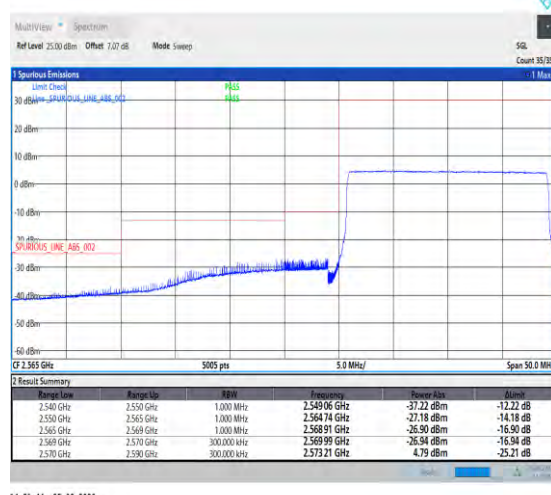
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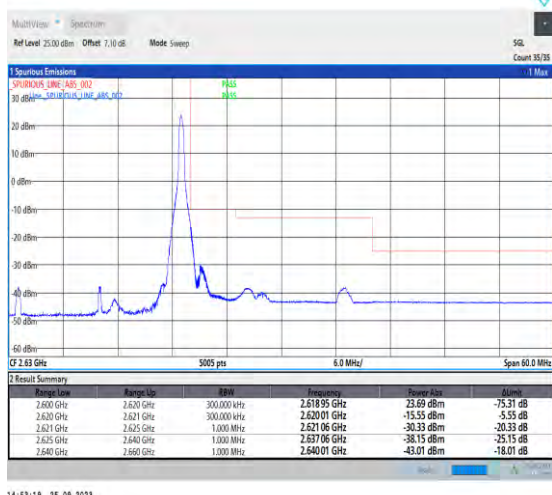
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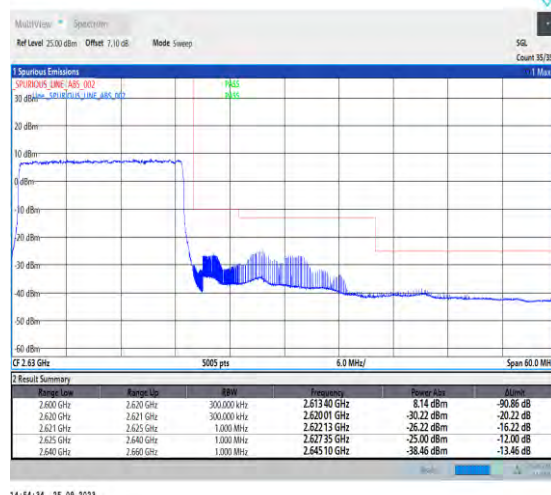
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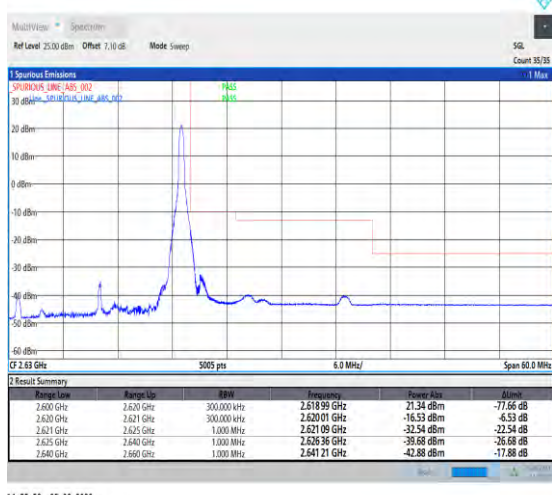
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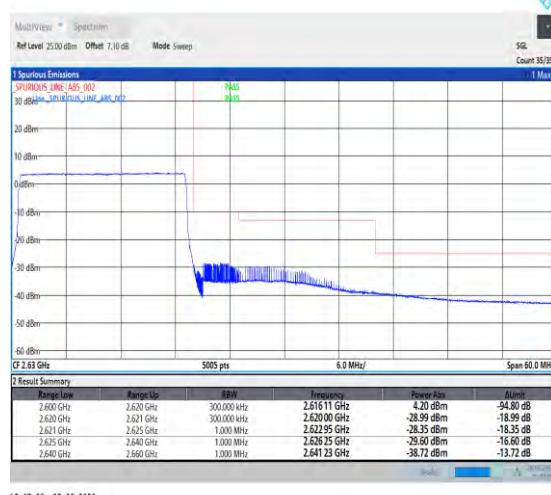
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14:55:53 25.09.2023

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18:47:03 28.09.2023

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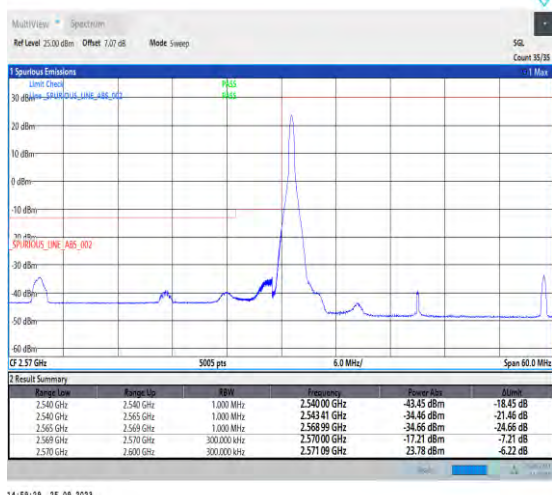
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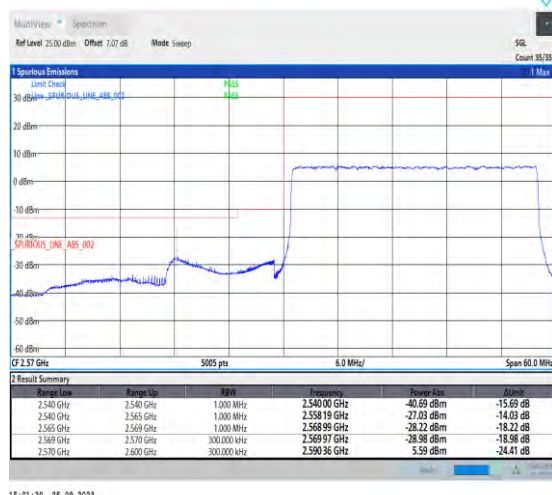
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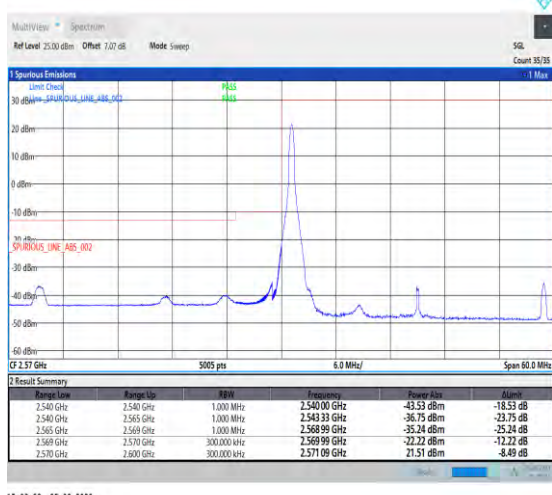
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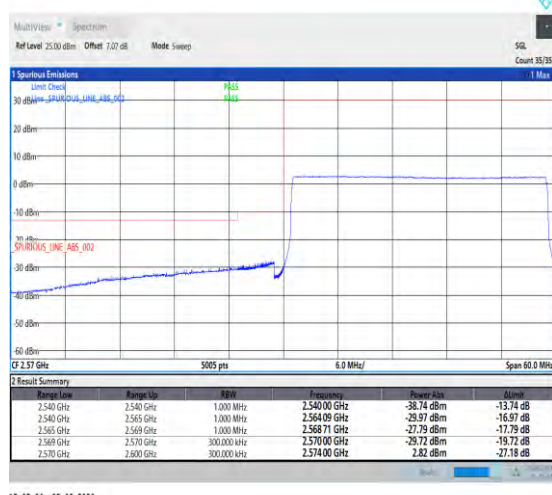
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15:03:33 25.09.2023

1-N38-PC3-30-30-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant5-1--PASS-see graph



15:05:34 25.09.2023

1-N38-PC3-30-30-L-6-CP-QPSK-Outer_Full-78@0-Ant5-1--PASS-see graph



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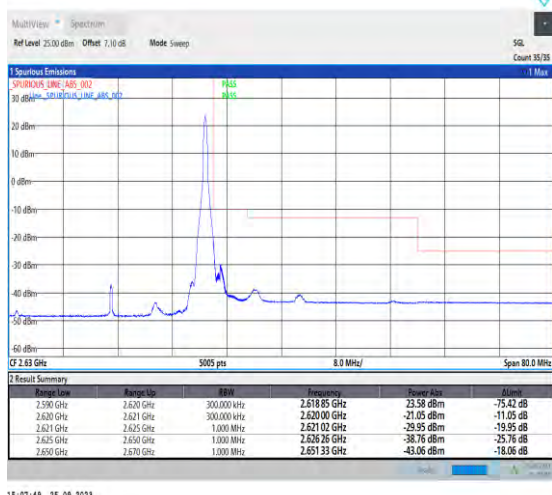
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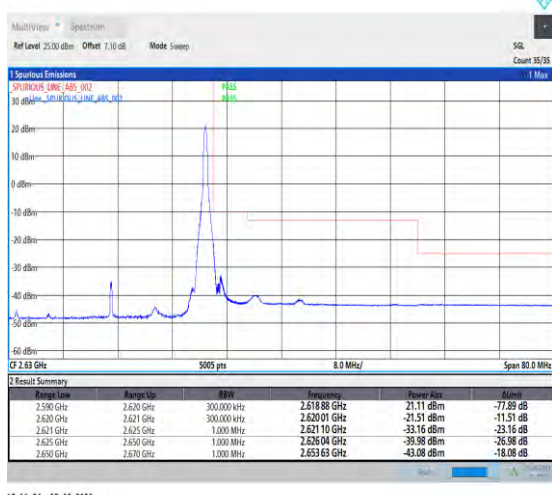
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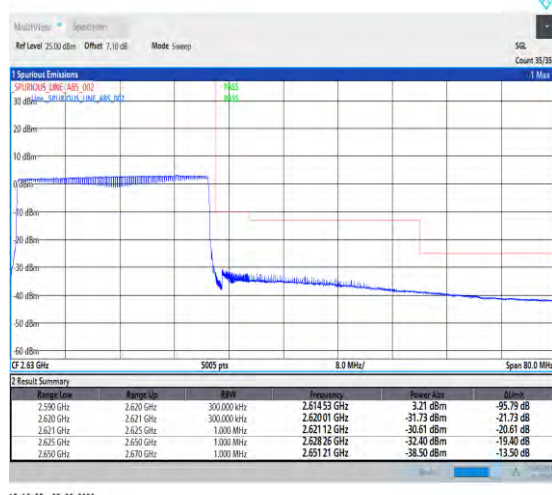
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5@0-Ant5-1--PASS-see graph



15:11:54 25.09.2023

1-N38-PC3-30-30-H-5-CP-QPSK-Edge_1RB_Righ t-1
@77-Ant5-1--PASS-see graph



15:13:55 25.09.2023

1-N38-PC3-30-30-H-6-CP-QPSK-Outer_Full-78@
0-Ant5-1--PASS-see graph



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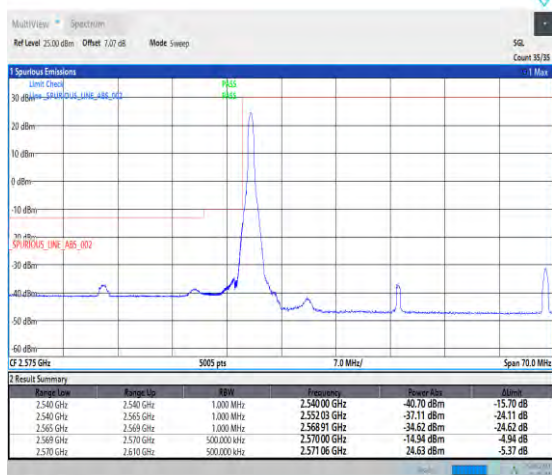
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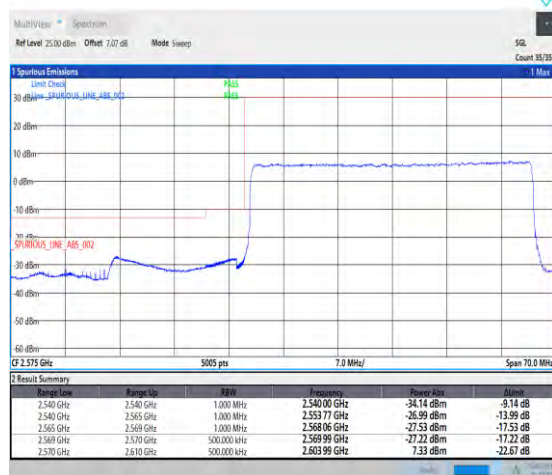
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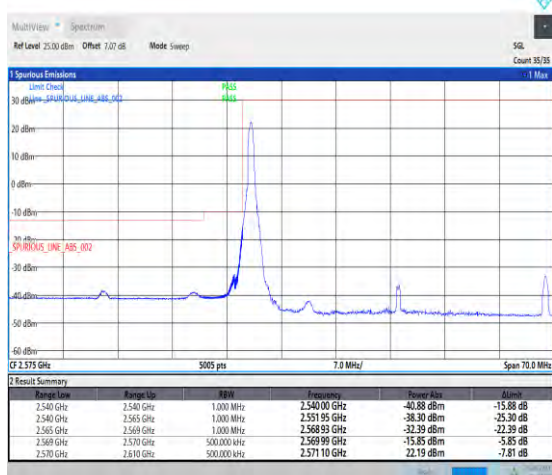
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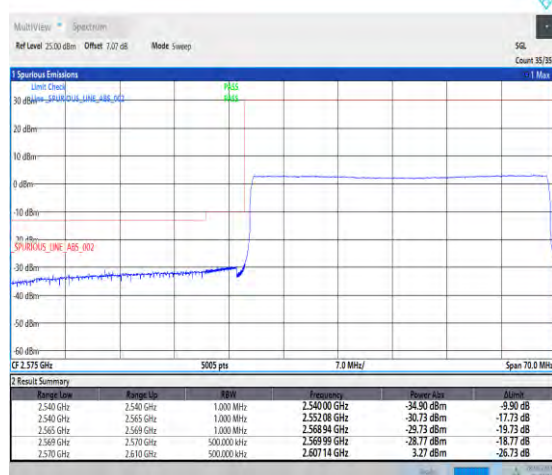
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15:17:58 25.09.2023

1-N38-PC3-30-40-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant5-1--PASS-see graph



15:49:23 25.09.2023

1-N38-PC3-30-40-L-6-CP-QPSK-Outer_Full-106@0-Ant5-1--PASS-see graph



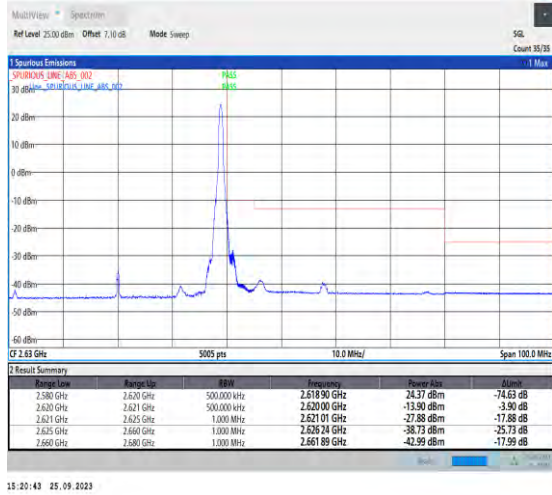
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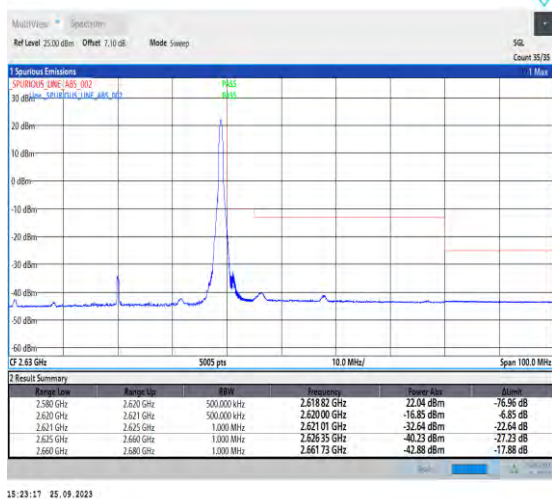
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15:24:33 25.09.2023

1-N38-PC3-30-40-H-6-CP-QPSK-Outer_Full-106
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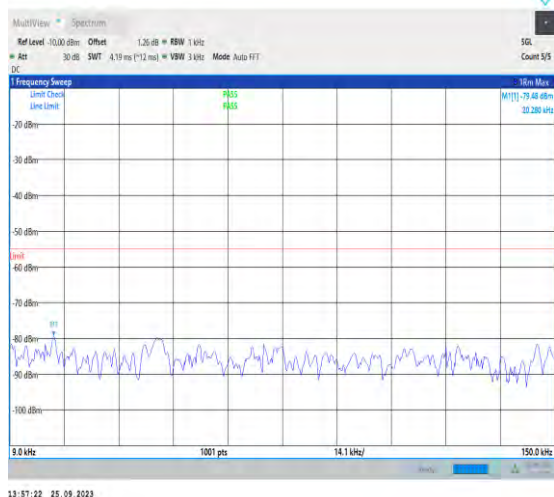
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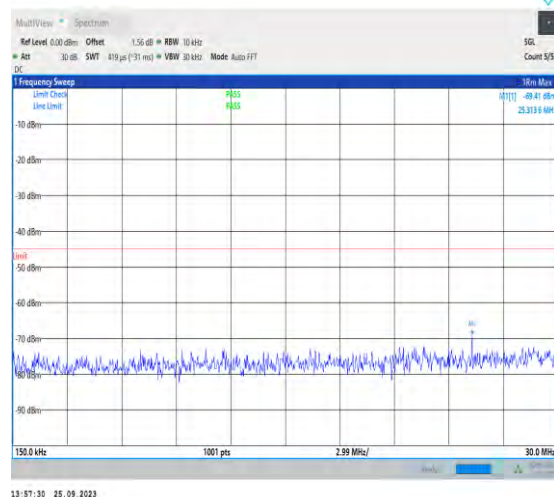
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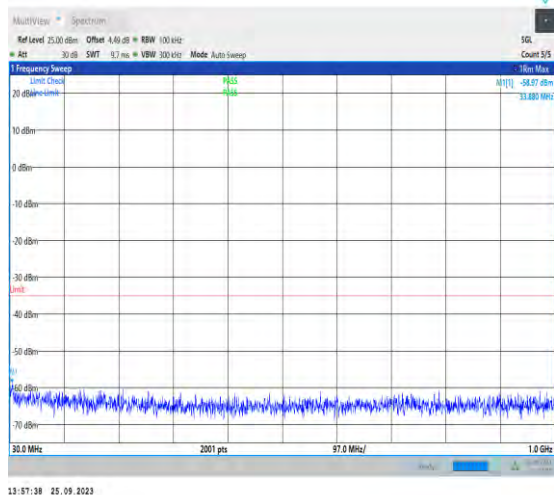
Test Graphs



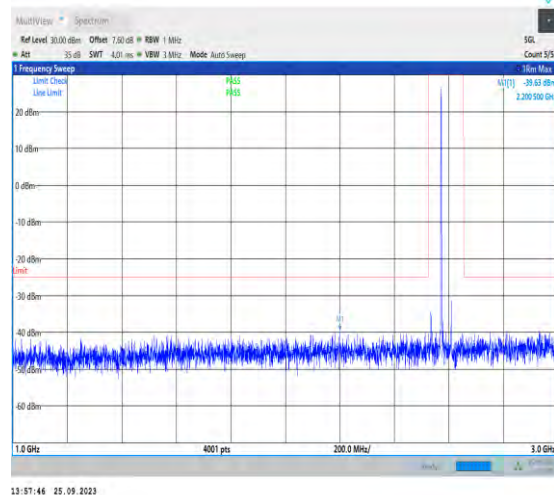
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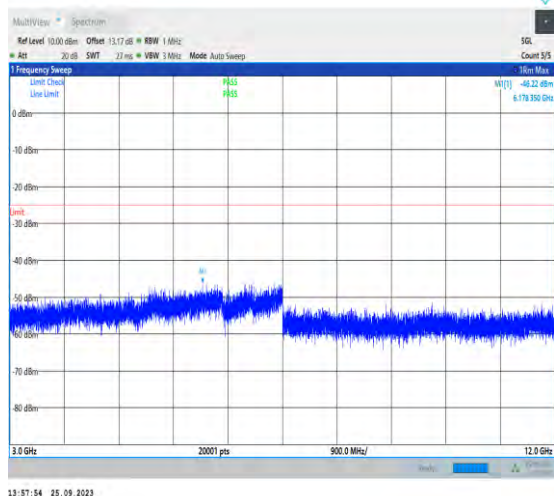
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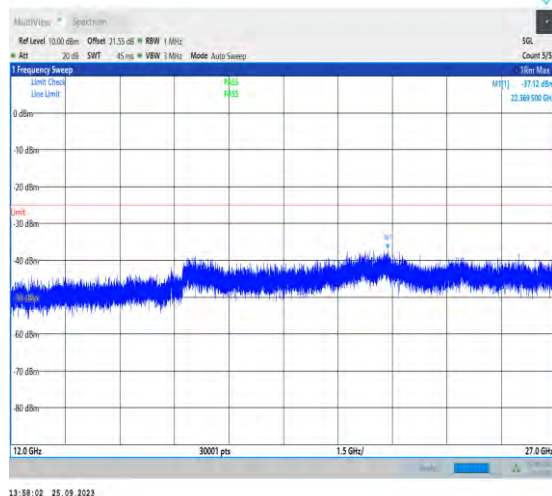
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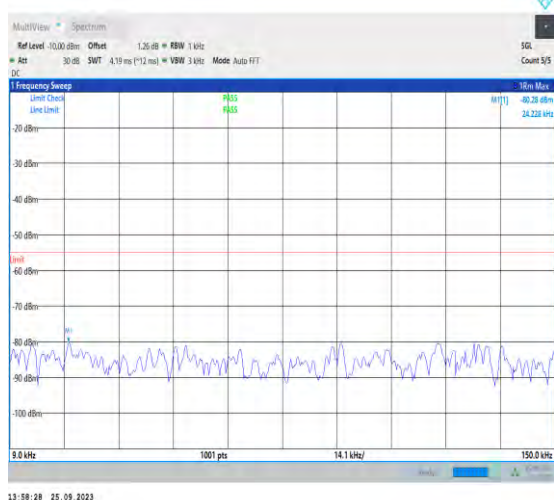
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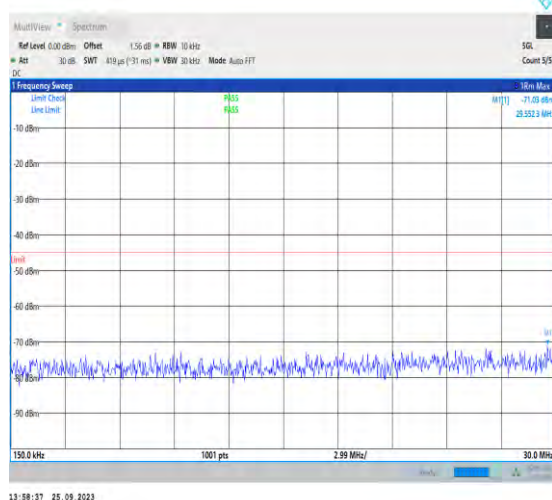
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1-N38-PC3-30-40-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-12000-27000-Ant5-22369.50--37.12--25-PASS



1-N38-PC3-30-40-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-Ant5-0.02--80.28--55-PASS



1-N38-PC3-30-40-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant5-29.55--71.03--45-PASS



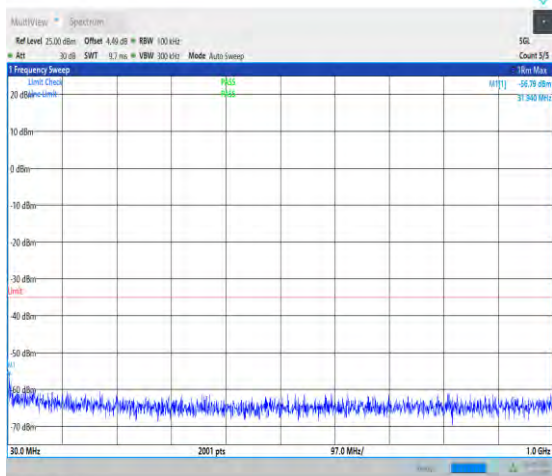
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Report No.: SEWM2309000386RG02

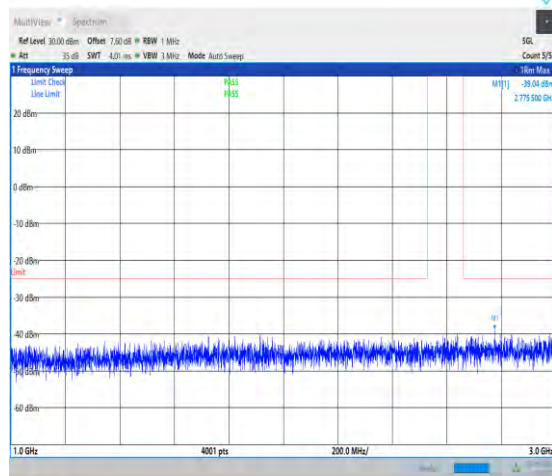
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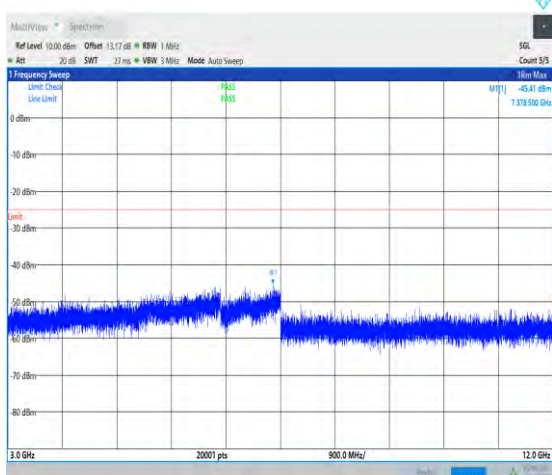
13:58:45 25.09.2023

1-N38-PC3-30-40-M-1-DFT-PI2BPSK-Inner_1RB_L
eft-1@1-30-1000-Ant5-31.94--56.79--35-PASS



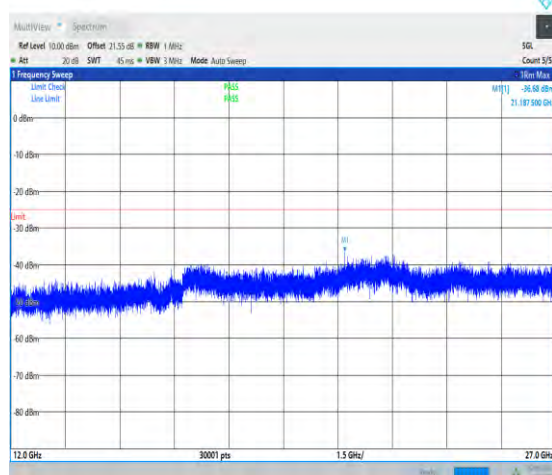
13:58:53 25.09.2023

1-N38-PC3-30-40-M-1-DFT-PI2BPSK-Inner_1RB_L ef
t-1@1-1000-3000-Ant5-2775.50--39.04--25-PASS



13:59:01 25.09.2023

1-N38-PC3-30-40-M-1-DFT-PI2BPSK-Inner_1RB_L
eft-1@1-3000-12000-Ant5-7378.50--45.41--25-PAS
S



13:59:09 25.09.2023

1-N38-PC3-30-40-M-1-DFT-PI2BPSK-Inner_1RB_L ef
t-1@1-12000-27000-Ant5-21187.50--36.68--25-PASS



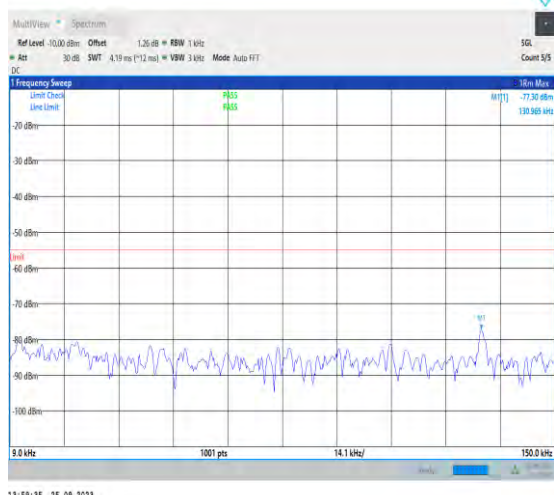
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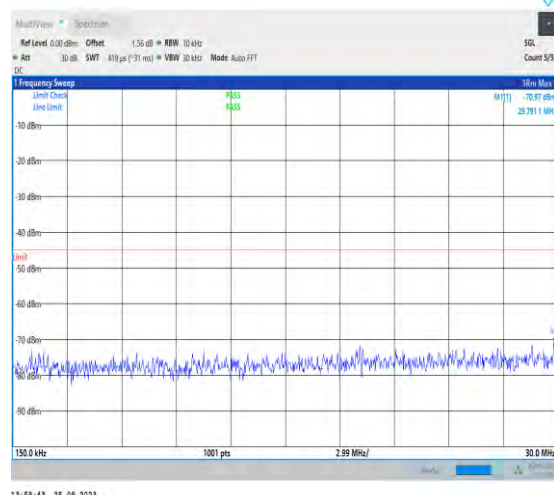
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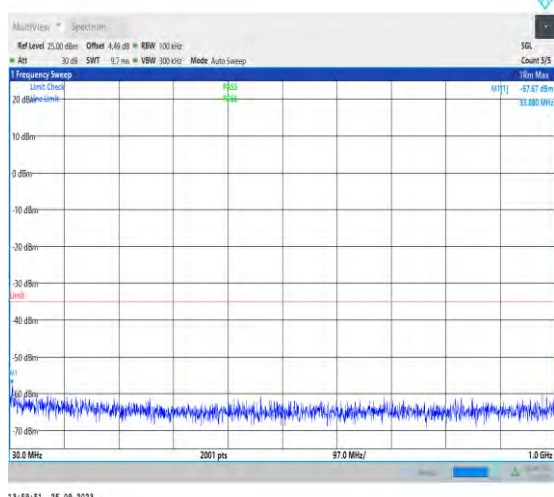
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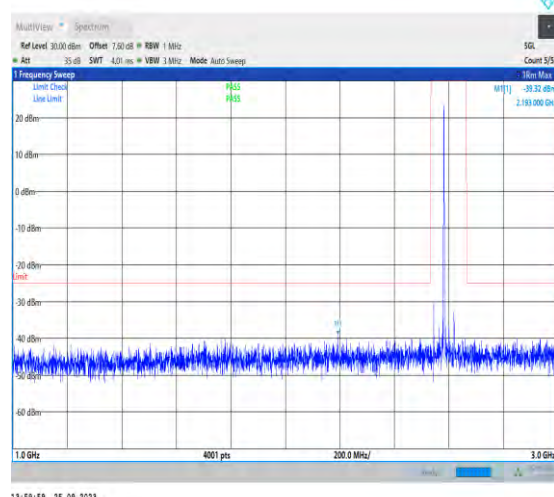
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eft-1@1-0.009-0.15-Ant5-0.13--77.30--55-PASS



1-N38-PC3-30-40-H-1-DFT-PI2BPSK-Inner_1RB_L ef
t-1@1-0.15-30-Ant5-29.79--70.97--45-PASS



1-N38-PC3-30-40-H-1-DFT-PI2BPSK-Inner_1RB_L
eft-1@1-30-1000-Ant5-33.88--57.67--35-PASS



1-N38-PC3-30-40-H-1-DFT-PI2BPSK-Inner_1RB_L ef
t-1@1-1000-3000-Ant5-2193.00--39.32--25-PASS



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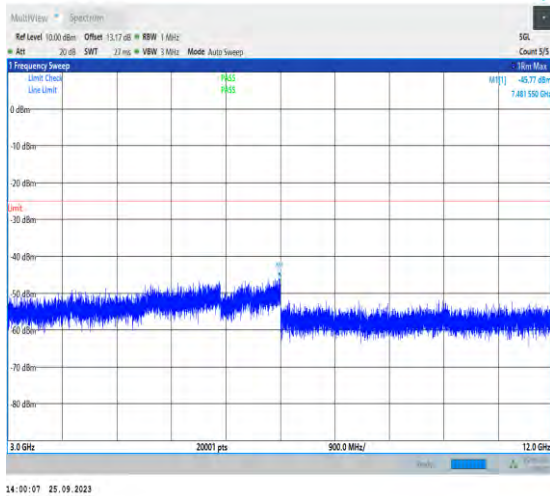
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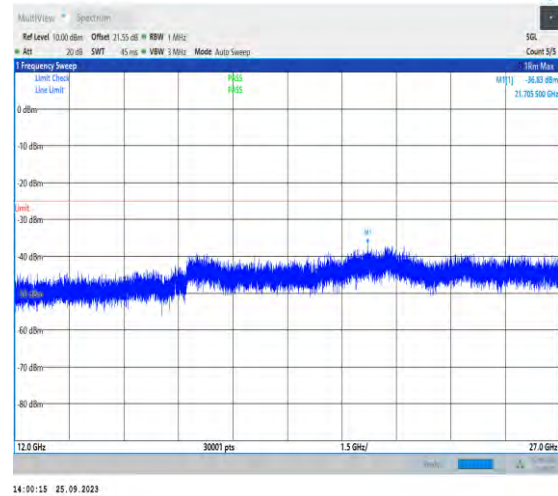
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1-N38-PC3-30-40-H-1-DFT-PI2BPSK-Inner_1RB_L
eft-1@1-3000-12000-Ant5-7481.55--45.77--25-PAS
S



1-N38-PC3-30-40-H-1-DFT-PI2BPSK-Inner_1RB_Lef
t-1@1-12000-27000-Ant5-21705.50--36.83--25-PASS



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Field Strength of Spurious Radiation

Test Band = SA Band 38_ TM1
Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3948	45.83	-48.24	29.33	-68.34	-25.00	43.34	Horizontal
2	5144.18	43.17	-47.85	31.85	-68.09	-25.00	43.09	Horizontal
3	7716.27	42.01	-45.16	36.54	-61.87	-25.00	36.87	Horizontal
4	10288.36	39.19	-41.26	38.76	-58.57	-25.00	33.57	Horizontal
5	12860.45	36.26	-39.38	38.68	-59.69	-25.00	34.69	Horizontal
6	15432.54	36.01	-37.50	39.28	-57.47	-25.00	32.47	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4041.5	45.97	-48.13	29.47	-67.95	-25.00	42.95	Vertical
2	5144.18	44.22	-47.85	31.85	-67.04	-25.00	42.04	Vertical
3	7716.27	41.93	-45.16	36.54	-61.95	-25.00	36.95	Vertical
4	10288.36	38.60	-41.26	38.76	-59.16	-25.00	34.16	Vertical
5	12860.45	36.08	-39.38	38.68	-59.87	-25.00	34.87	Vertical
6	15432.54	35.52	-37.50	39.28	-57.96	-25.00	32.96	Vertical



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Test Band = SA Band 38_ TM1
Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3509.5	46.59	-48.29	28.71	-68.25	-25.00	43.25	Horizontal
2	5154.18	43.91	-47.86	31.87	-67.34	-25.00	42.34	Horizontal
3	7731.27	42.63	-45.12	36.52	-61.22	-25.00	36.22	Horizontal
4	10308.36	37.85	-41.16	38.78	-59.79	-25.00	34.79	Horizontal
5	12885.45	36.58	-39.41	38.67	-59.42	-25.00	34.42	Horizontal
6	15462.54	35.90	-37.76	39.22	-57.90	-25.00	32.90	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3597.5	45.54	-48.28	28.84	-69.16	-25.00	44.16	Vertical
2	5154.18	42.98	-47.86	31.87	-68.27	-25.00	43.27	Vertical
3	7731.27	41.99	-45.12	36.52	-61.86	-25.00	36.86	Vertical
4	10308.36	37.50	-41.16	38.78	-60.14	-25.00	35.14	Vertical
5	12885.45	36.72	-39.41	38.67	-59.28	-25.00	34.28	Vertical
6	15462.54	35.12	-37.76	39.22	-58.68	-25.00	33.68	Vertical



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Test Band = SA Band 38_ TM1
Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3842.5	46.73	-48.23	29.18	-67.58	-25.00	42.58	Horizontal
2	5164.18	43.33	-47.87	31.89	-67.90	-25.00	42.90	Horizontal
3	7746.27	41.71	-45.07	36.50	-62.12	-25.00	37.12	Horizontal
4	10328.36	38.24	-41.18	38.80	-59.40	-25.00	34.40	Horizontal
5	12910.45	36.85	-39.43	38.65	-59.18	-25.00	34.18	Horizontal
6	15492.54	34.90	-38.01	39.16	-59.21	-25.00	34.21	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3556	45.52	-48.28	28.78	-69.25	-25.00	44.25	Vertical
2	5164.18	43.03	-47.87	31.89	-68.20	-25.00	43.20	Vertical
3	7746.27	41.97	-45.07	36.50	-61.86	-25.00	36.86	Vertical
4	10328.36	38.34	-41.18	38.80	-59.30	-25.00	34.30	Vertical
5	12910.45	37.37	-39.43	38.65	-58.66	-25.00	33.66	Vertical
6	15492.54	35.52	-38.01	39.16	-58.59	-25.00	33.59	Vertical

Remark:

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

AF = Antenna Factor(dB/m)

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

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

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



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Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N38	30	40	DFT-PI2BPSK	M	Outer_Full	VH	NT	0.900000	0.000347	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	VN	NT	-4.700000	-0.001811	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	VL	NT	-1.100000	-0.000424	PASS
N38	30	40	CP-QPSK	M	Outer_Full	VH	NT	-0.300000	-0.000116	PASS
N38	30	40	CP-QPSK	M	Outer_Full	VN	NT	-3.300000	-0.001272	PASS
N38	30	40	CP-QPSK	M	Outer_Full	VL	NT	0.800000	0.000308	PASS



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Frequency Error VS. Temperature

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	-0.900000	-0.000347	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	-10	-5.300000	-0.002042	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	0	-3.100000	-0.001195	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	10	-4.000000	-0.001541	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	20	-1.500000	-0.000578	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	30	-8.300000	-0.003198	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	40	-7.100000	-0.002736	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	50	-2.100000	-0.000809	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	-30	-0.200000	-0.000077	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	-20	-1.400000	-0.000539	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	-10	-1.100000	-0.000424	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	0	-1.500000	-0.000578	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	10	3.900000	0.001503	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	20	1.200000	0.000462	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	30	-1.500000	-0.000578	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	40	-2.000000	-0.000771	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	50	-3.000000	-0.001156	PASS

---End of Attachment---



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