

Appendix B.19

NR Band n38



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Effective (Isotropic) Radiated Power Output Data for

SEWM2307000261RG02

Test Result

Ant3:

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	EIRP (dBm)	Limit	Verdict
N38	30	40	DFT-PI2BPSK	L	1RB1	24.72	23.52	33	PASS
N38	30	40	DFT-PI2BPSK	L	1RB215	24.34	23.14	33	PASS
N38	30	40	DFT-PI2BPSK	L	216RB0	23.93	22.73	33	PASS
N38	30	40	DFT-QPSK	L	1RB1	24.84	23.64	33	PASS
N38	30	40	DFT-QPSK	L	1RB215	24.40	23.20	33	PASS
N38	30	40	DFT-QPSK	L	216RB0	23.87	22.67	33	PASS
N38	30	40	DFT-16QAM	L	1RB1	23.76	22.56	33	PASS
N38	30	40	DFT-64QAM	L	1RB1	22.68	21.48	33	PASS
N38	30	40	DFT-256QAM	L	1RB1	20.98	19.78	33	PASS
N38	30	40	DFT-PI2BPSK	M	1RB1	24.70	23.50	33	PASS
N38	30	40	DFT-PI2BPSK	M	1RB215	24.29	23.09	33	PASS
N38	30	40	DFT-PI2BPSK	M	216RB0	23.61	22.41	33	PASS
N38	30	40	DFT-QPSK	M	1RB1	24.79	23.59	33	PASS
N38	30	40	DFT-QPSK	M	1RB215	24.53	23.33	33	PASS
N38	30	40	DFT-QPSK	M	216RB0	23.82	22.62	33	PASS
N38	30	40	DFT-16QAM	M	1RB1	24.04	22.84	33	PASS
N38	30	40	DFT-64QAM	M	1RB1	22.65	21.45	33	PASS
N38	30	40	DFT-256QAM	M	1RB1	21.07	19.87	33	PASS
N38	30	40	DFT-PI2BPSK	H	1RB1	25.02	23.82	33	PASS
N38	30	40	DFT-PI2BPSK	H	1RB215	24.26	23.06	33	PASS
N38	30	40	DFT-PI2BPSK	H	216RB0	23.68	22.48	33	PASS
N38	30	40	DFT-QPSK	H	1RB1	24.89	23.69	33	PASS
N38	30	40	DFT-QPSK	H	1RB215	24.36	23.16	33	PASS
N38	30	40	DFT-QPSK	H	216RB0	23.82	22.62	33	PASS
N38	30	40	DFT-16QAM	H	1RB1	23.84	22.64	33	PASS
N38	30	40	DFT-64QAM	H	1RB1	22.64	21.44	33	PASS
N38	30	40	DFT-256QAM	H	1RB1	20.82	19.62	33	PASS
N38	30	40	CP-QPSK	L	1RB1	22.81	21.61	33	PASS
N38	30	40	CP-QPSK	M	1RB1	22.72	21.52	33	PASS



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N38	30	40	CP-QPSK	H	1RB1	22.75	21.55	33	PASS
N38	30	30	DFT-QPSK	L	1RB1	24.32	23.12	33	PASS
N38	30	30	DFT-16QAM	L	1RB1	23.34	22.14	33	PASS
N38	30	30	DFT-QPSK	M	1RB1	24.48	23.28	33	PASS
N38	30	30	DFT-16QAM	M	1RB1	23.43	22.23	33	PASS
N38	30	30	DFT-QPSK	H	1RB1	24.31	23.11	33	PASS
N38	30	30	DFT-16QAM	H	1RB1	23.25	22.05	33	PASS
N38	30	20	DFT-QPSK	L	1RB1	24.44	23.24	33	PASS
N38	30	20	DFT-16QAM	L	1RB1	23.28	22.08	33	PASS
N38	30	20	DFT-QPSK	M	1RB1	24.52	23.32	33	PASS
N38	30	20	DFT-16QAM	M	1RB1	23.04	21.84	33	PASS
N38	30	20	DFT-QPSK	H	1RB1	24.52	23.32	33	PASS
N38	30	20	DFT-16QAM	H	1RB1	23.26	22.06	33	PASS
N38	30	15	DFT-QPSK	L	1RB1	24.21	23.01	33	PASS
N38	30	15	DFT-16QAM	L	1RB1	23.18	21.98	33	PASS
N38	30	15	DFT-QPSK	M	1RB1	24.43	23.23	33	PASS
N38	30	15	DFT-16QAM	M	1RB1	23.21	22.01	33	PASS
N38	30	15	DFT-QPSK	H	1RB1	24.23	23.03	33	PASS
N38	30	15	DFT-16QAM	H	1RB1	23.08	21.88	33	PASS
N38	30	10	DFT-QPSK	L	1RB1	24.51	23.31	33	PASS
N38	30	10	DFT-16QAM	L	1RB1	23.14	21.94	33	PASS
N38	30	10	DFT-QPSK	M	1RB1	24.39	23.19	33	PASS
N38	30	10	DFT-16QAM	M	1RB1	23.13	21.93	33	PASS
N38	30	10	DFT-QPSK	H	1RB1	24.31	23.11	33	PASS
N38	30	10	DFT-16QAM	H	1RB1	22.86	21.66	33	PASS



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Effective (Isotropic) Radiated Power Output Data for SEWM2309000395RG02

Test Result

Ant3:

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	EIRP (dBm)	Limit	Verdict
N38	30	40	DFT-PI2BPSK	L	1RB1	24.49	23.29	33	PASS
N38	30	40	DFT-PI2BPSK	L	1RB215	24	22.8	33	PASS
N38	30	40	DFT-PI2BPSK	L	216RB0	23.5	22.3	33	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	9.40	≤13	PASS
N38	30	40	CP-256QAM	L	Outer_Full	9.88	≤13	PASS
N38	30	40	DFT-256QAM	M	Outer_Full	9.56	≤13	PASS
N38	30	40	CP-256QAM	M	Outer_Full	9.93	≤13	PASS
N38	30	40	DFT-256QAM	H	Outer_Full	9.39	≤13	PASS
N38	30	40	CP-256QAM	H	Outer_Full	9.65	≤13	PASS



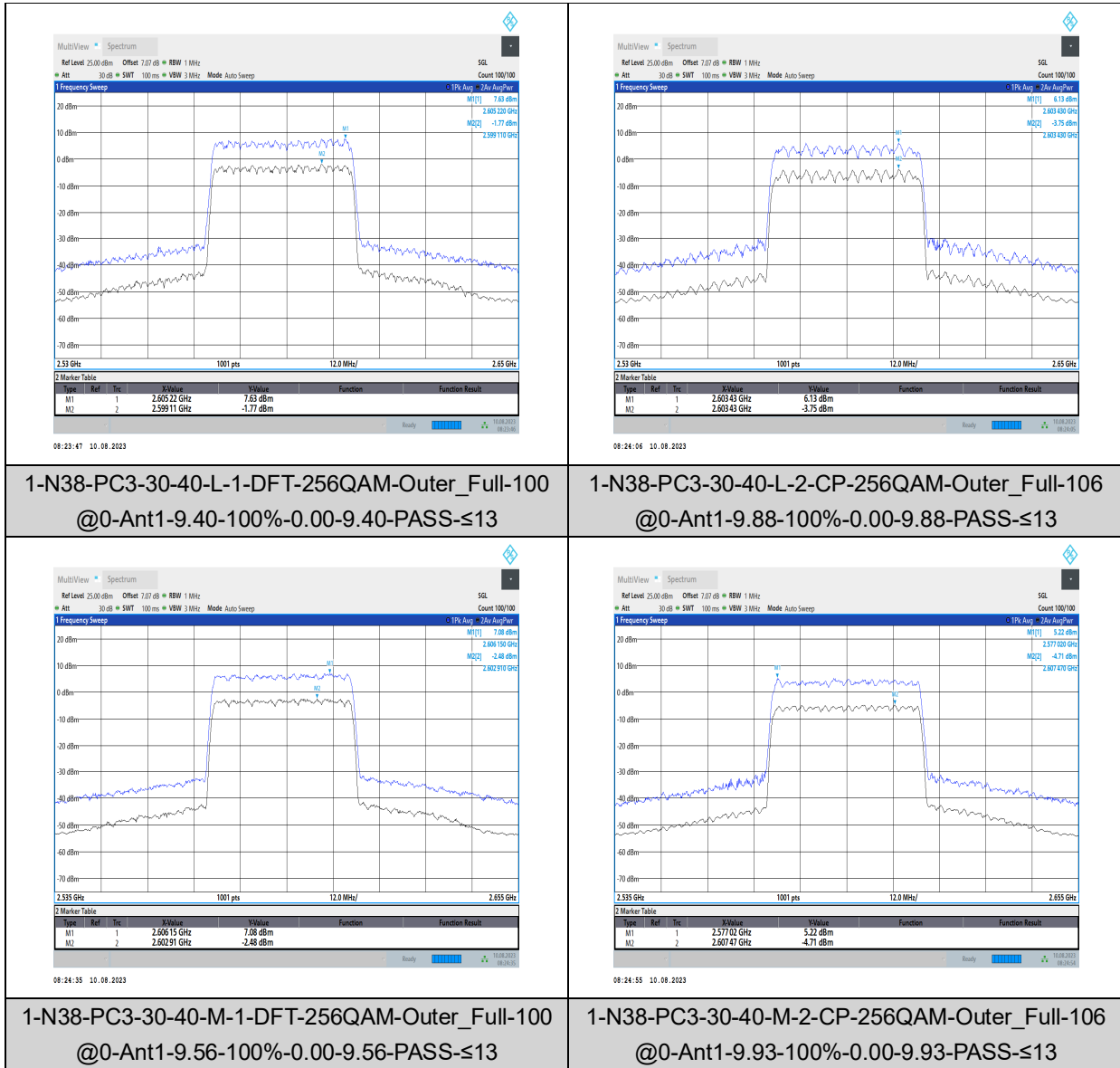
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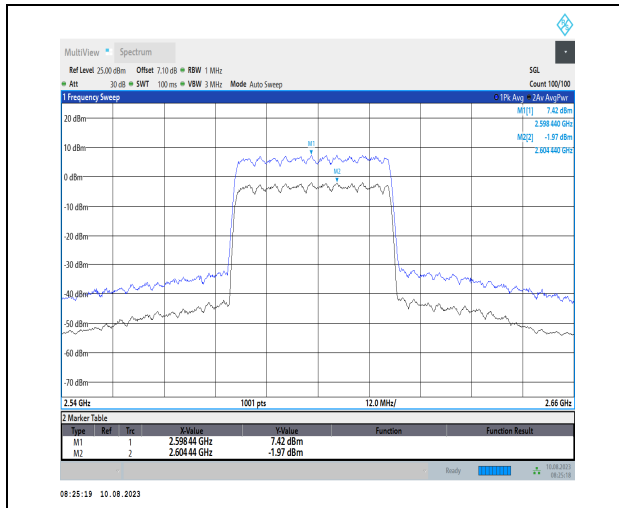
Test Graphs



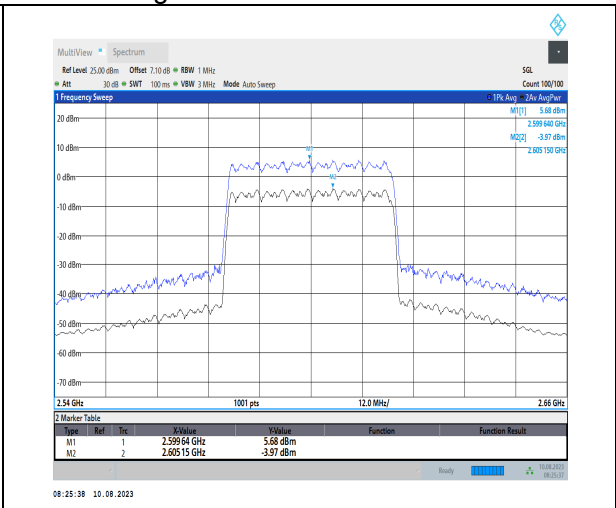
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1-N38-PC3-30-40-H-1-DFT-256QAM-Outer_Full-100 @0-Ant1-9.39-100%-0.00-9.39-PASS-≤13



1-N38-PC3-30-40-H-2-CP-256QAM-Outer_Full-106 @0-Ant1-9.65-100%-0.00-9.65-PASS-≤13



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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	8.564	9.760	PASS
N38	30	10	DFT-PI2BPSK	M	Outer_Full	8.612	9.600	PASS
N38	30	10	DFT-16QAM	M	Outer_Full	8.6	9.720	PASS
N38	30	10	DFT-64QAM	M	Outer_Full	8.595	9.480	PASS
N38	30	10	DFT-256QAM	M	Outer_Full	8.594	9.220	PASS
N38	30	10	CP-QPSK	M	Outer_Full	8.585	9.400	PASS
N38	30	10	CP-16QAM	M	Outer_Full	8.598	9.300	PASS
N38	30	10	CP-64QAM	M	Outer_Full	8.575	9.440	PASS
N38	30	10	CP-256QAM	M	Outer_Full	8.597	9.620	PASS
N38	30	15	DFT-QPSK	M	Outer_Full	12.825	14.070	PASS
N38	30	15	DFT-PI2BPSK	M	Outer_Full	12.851	14.160	PASS
N38	30	15	DFT-16QAM	M	Outer_Full	12.87	14.370	PASS
N38	30	15	DFT-64QAM	M	Outer_Full	12.899	14.220	PASS
N38	30	15	DFT-256QAM	M	Outer_Full	12.847	14.100	PASS
N38	30	15	CP-QPSK	M	Outer_Full	13.617	14.880	PASS
N38	30	15	CP-16QAM	M	Outer_Full	13.651	14.730	PASS
N38	30	15	CP-64QAM	M	Outer_Full	13.571	14.700	PASS
N38	30	15	CP-256QAM	M	Outer_Full	13.553	14.460	PASS
N38	30	20	DFT-QPSK	M	Outer_Full	17.833	18.800	PASS
N38	30	20	DFT-PI2BPSK	M	Outer_Full	17.764	19.480	PASS
N38	30	20	DFT-16QAM	M	Outer_Full	17.947	19.080	PASS
N38	30	20	DFT-64QAM	M	Outer_Full	17.824	19.080	PASS
N38	30	20	DFT-256QAM	M	Outer_Full	17.756	18.840	PASS
N38	30	20	CP-QPSK	M	Outer_Full	18.24	19.400	PASS
N38	30	20	CP-16QAM	M	Outer_Full	18.249	19.720	PASS
N38	30	20	CP-64QAM	M	Outer_Full	18.224	19.560	PASS
N38	30	20	CP-256QAM	M	Outer_Full	18.157	18.920	PASS
N38	30	30	DFT-QPSK	M	Outer_Full	26.788	28.440	PASS
N38	30	30	DFT-PI2BPSK	M	Outer_Full	26.88	28.200	PASS
N38	30	30	DFT-16QAM	M	Outer_Full	26.793	28.080	PASS



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N38	30	30	DFT-256QAM	M	Outer_Full	26.871	28.200	PASS
N38	30	30	CP-QPSK	M	Outer_Full	27.805	29.040	PASS
N38	30	30	CP-16QAM	M	Outer_Full	27.874	29.760	PASS
N38	30	30	CP-64QAM	M	Outer_Full	27.841	29.520	PASS
N38	30	30	CP-256QAM	M	Outer_Full	27.899	29.520	PASS
N38	30	40	DFT-QPSK	M	Outer_Full	35.847	37.760	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	35.759	37.920	PASS
N38	30	40	DFT-16QAM	M	Outer_Full	35.804	37.360	PASS
N38	30	40	DFT-64QAM	M	Outer_Full	35.695	38.000	PASS
N38	30	40	DFT-256QAM	M	Outer_Full	35.677	37.360	PASS
N38	30	40	CP-QPSK	M	Outer_Full	37.859	39.680	PASS
N38	30	40	CP-16QAM	M	Outer_Full	37.977	39.920	PASS
N38	30	40	CP-64QAM	M	Outer_Full	37.925	40.160	PASS
N38	30	40	CP-256QAM	M	Outer_Full	37.865	39.760	PASS



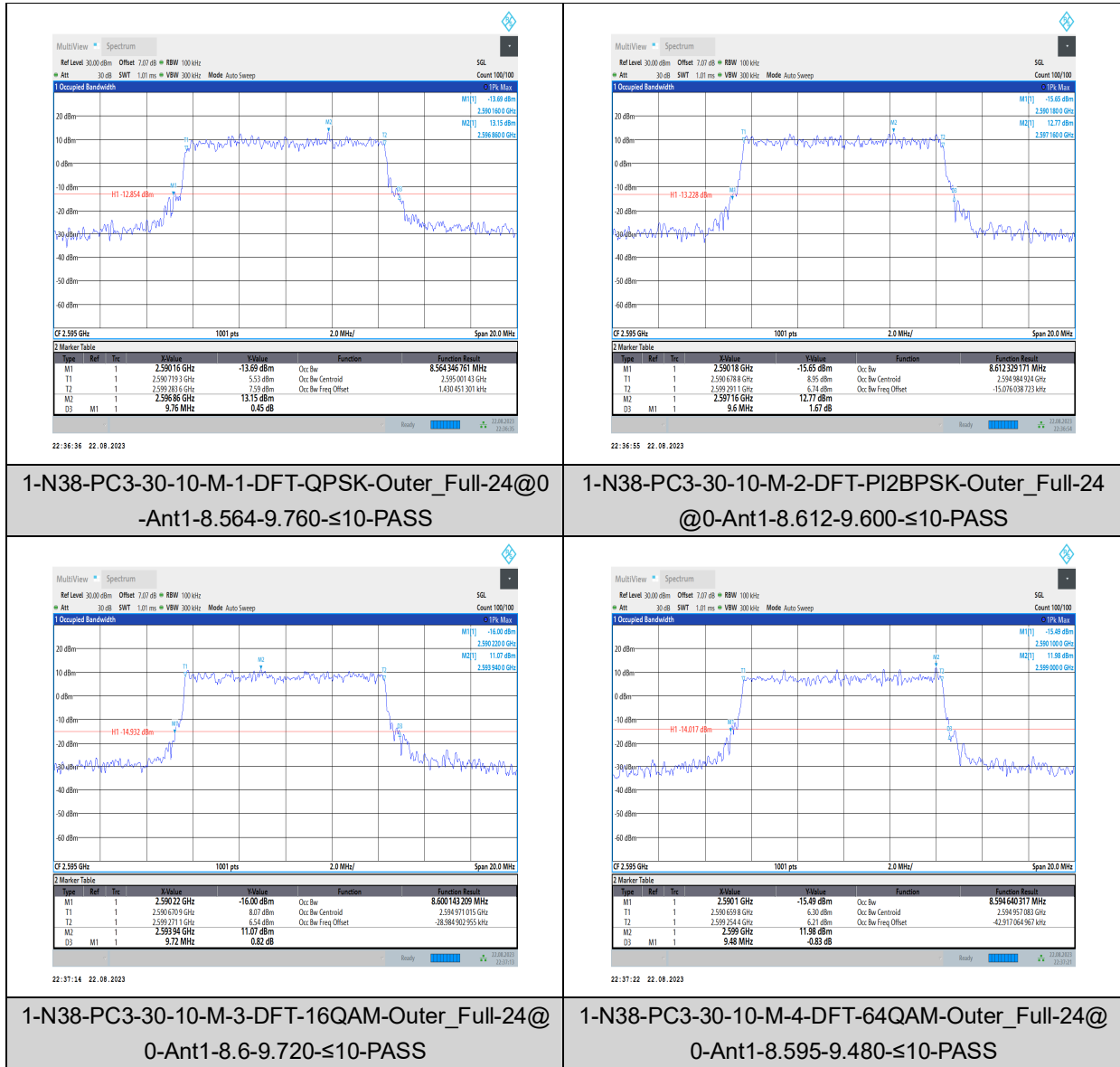
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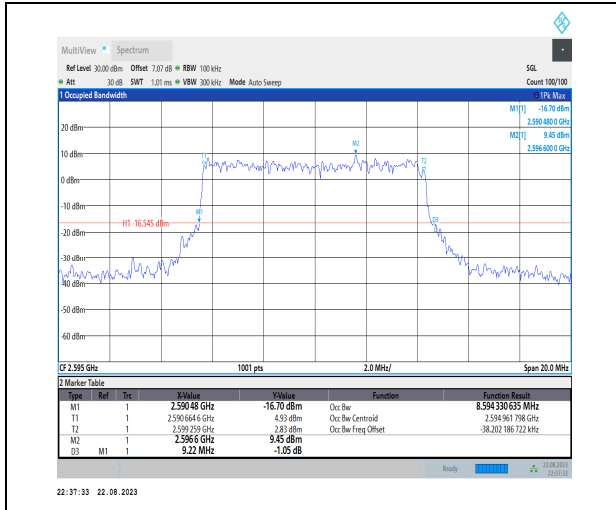
Test Graphs



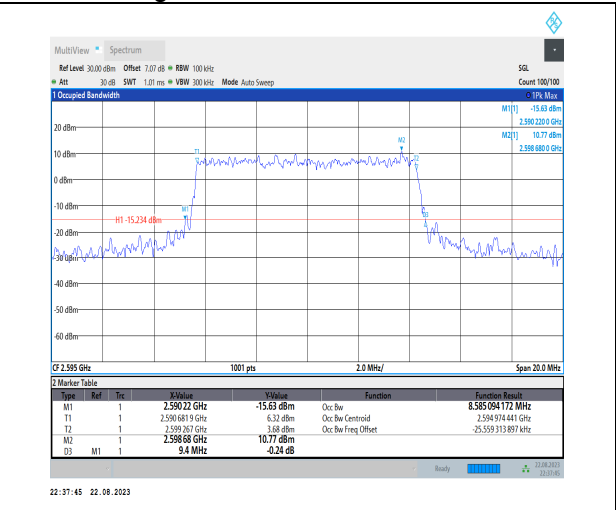
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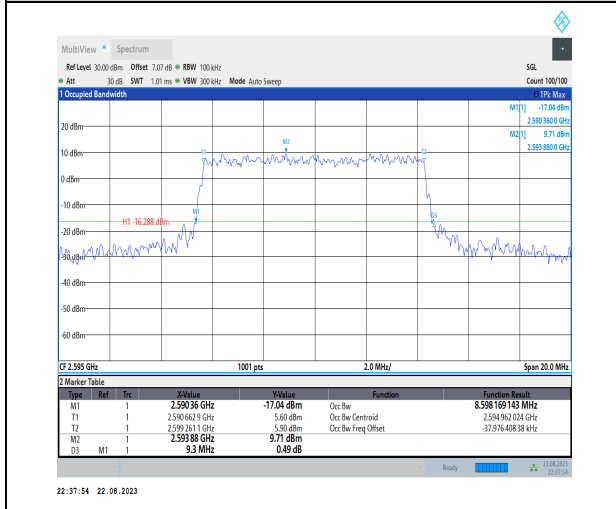
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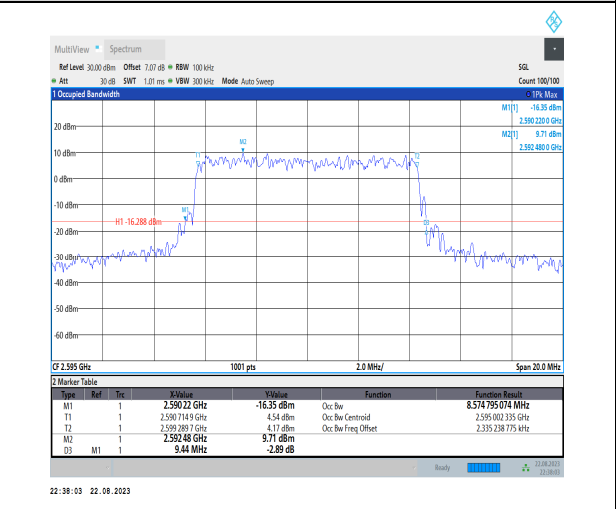
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1-N38-PC3-30-10-M-6-CP-QPSK-Outer_Full-24@0-Ant1-8.585-9.400-≤10-PASS



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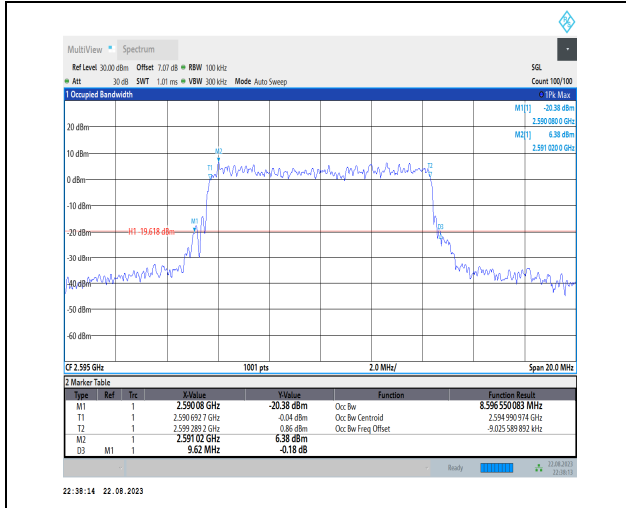
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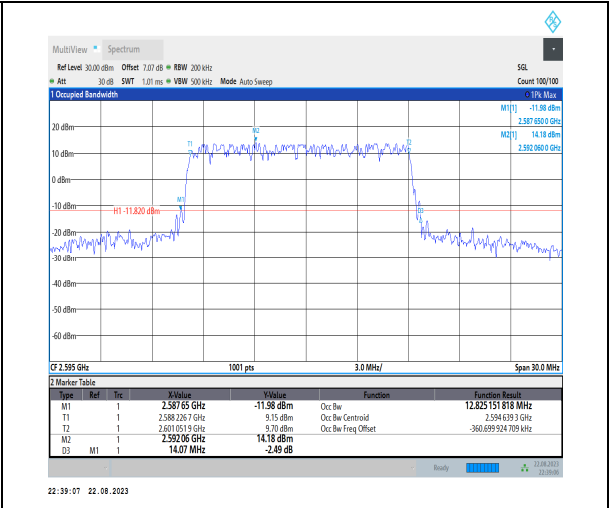
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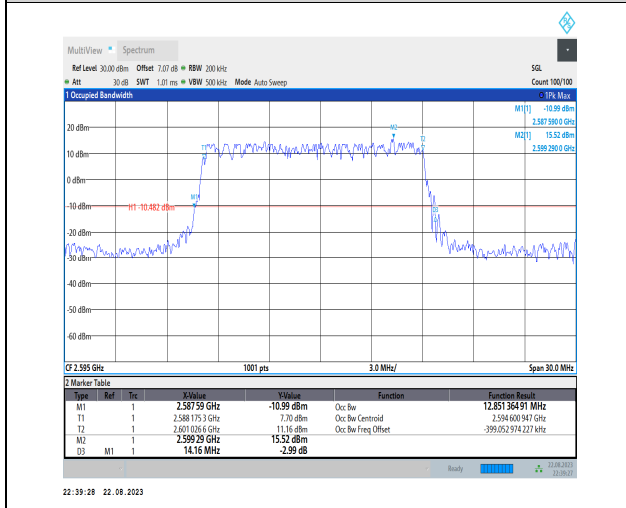
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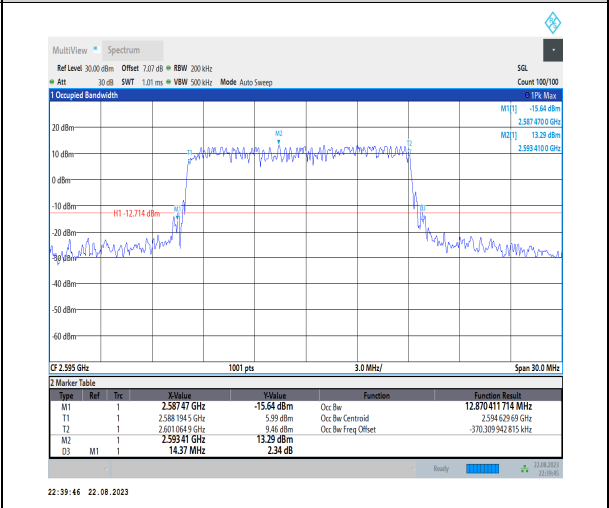
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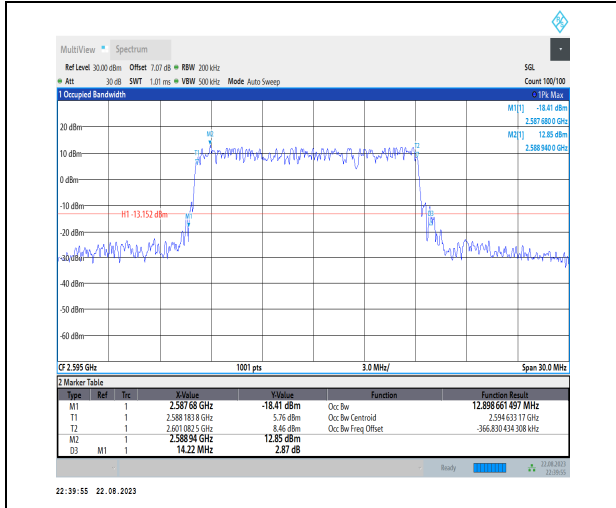
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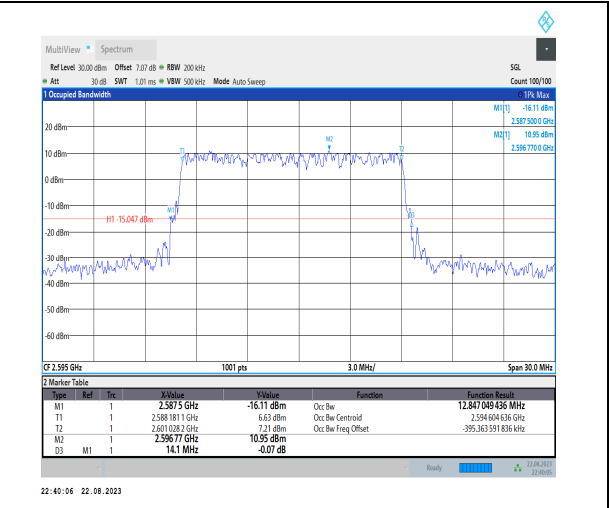
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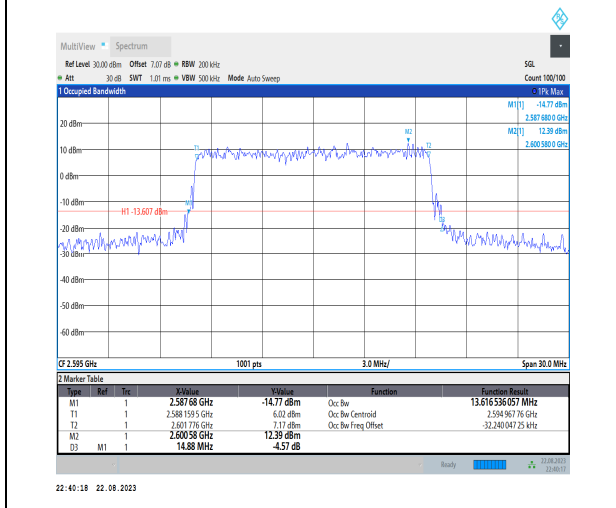
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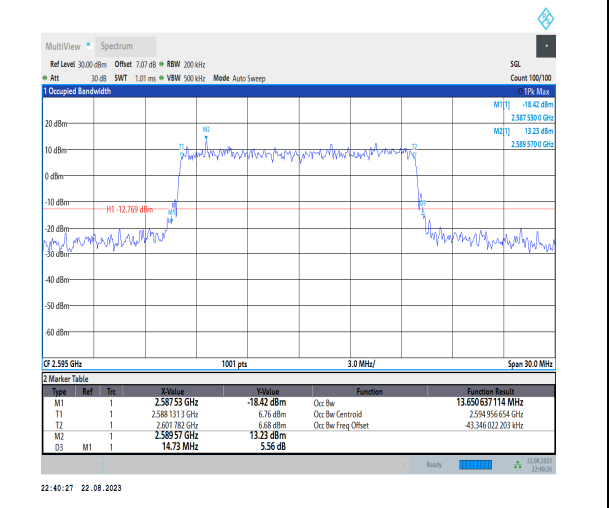
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0-Ant1-12.847-14.100-≤15-PASS



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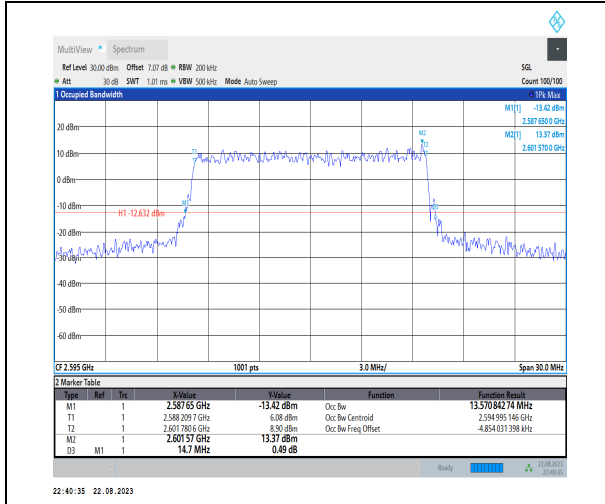
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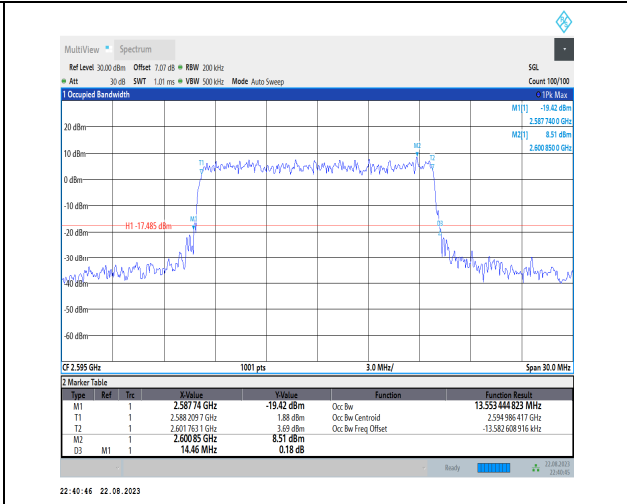
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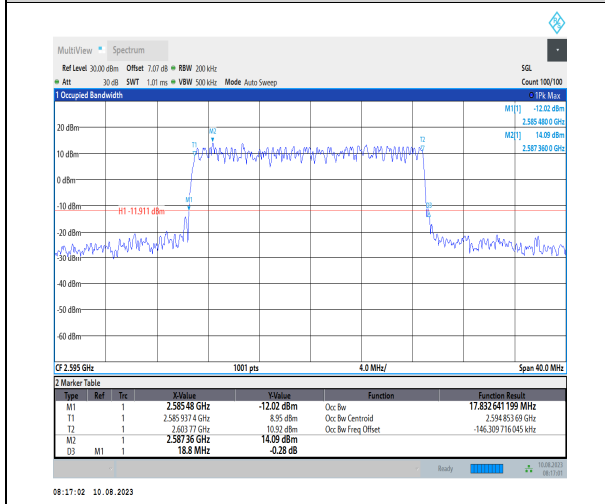
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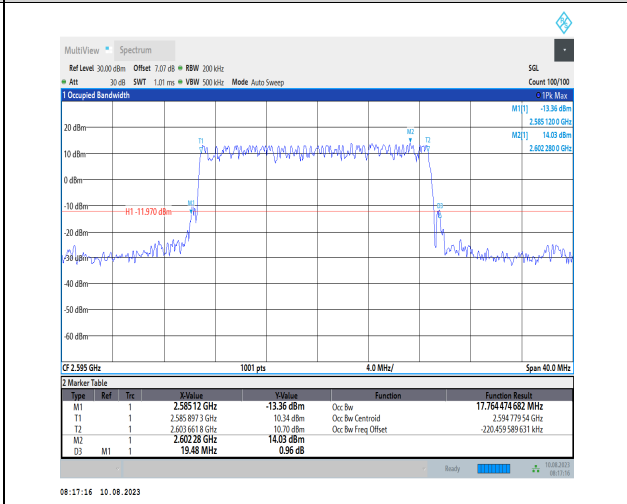
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0-Ant1-13.553-14.460-≤15-PASS



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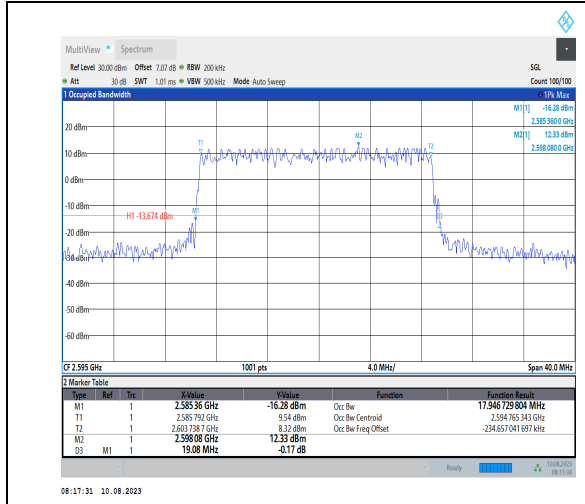
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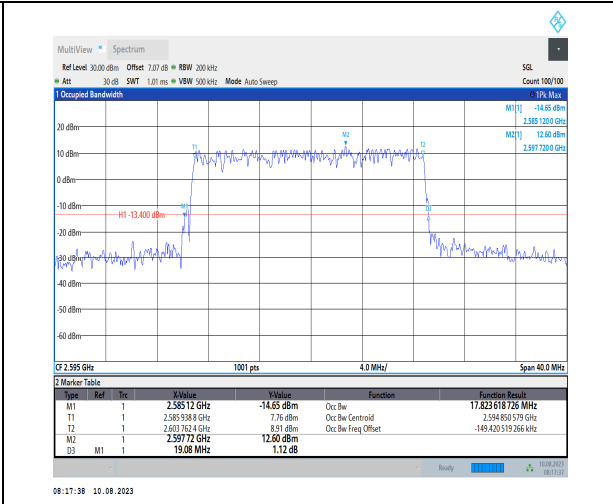
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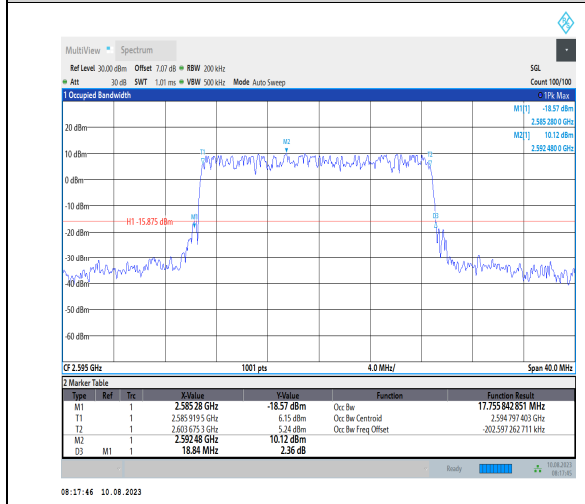
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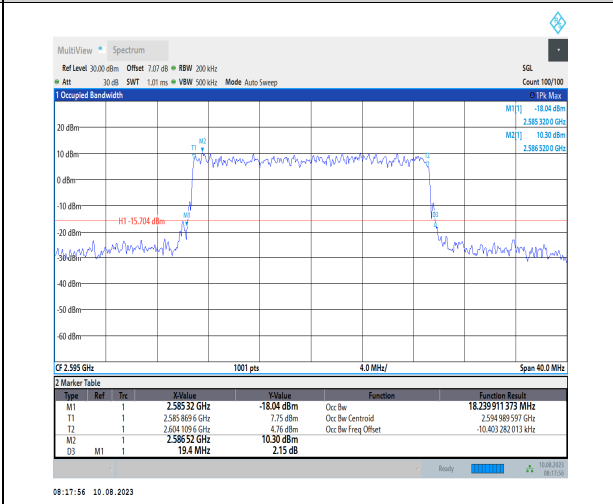
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 0-Ant1-17.824-19.080-≤20-PASS



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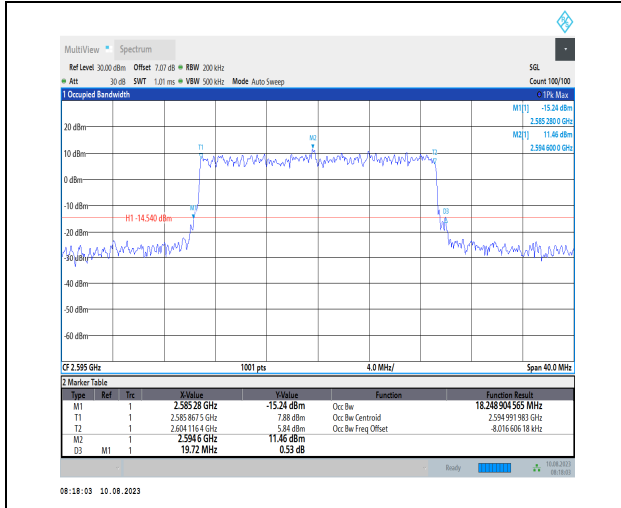


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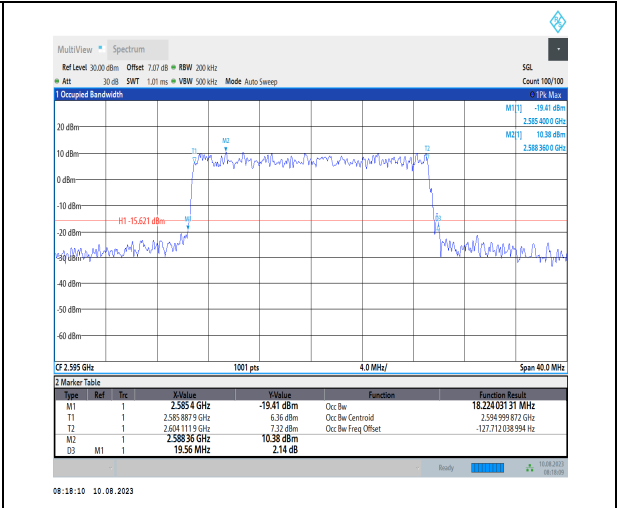


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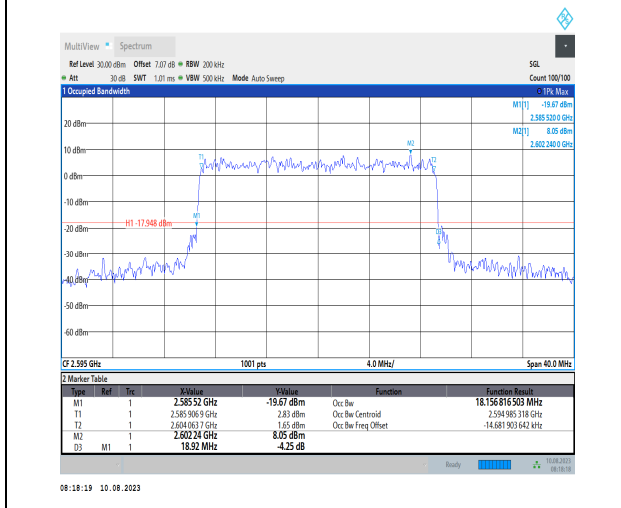
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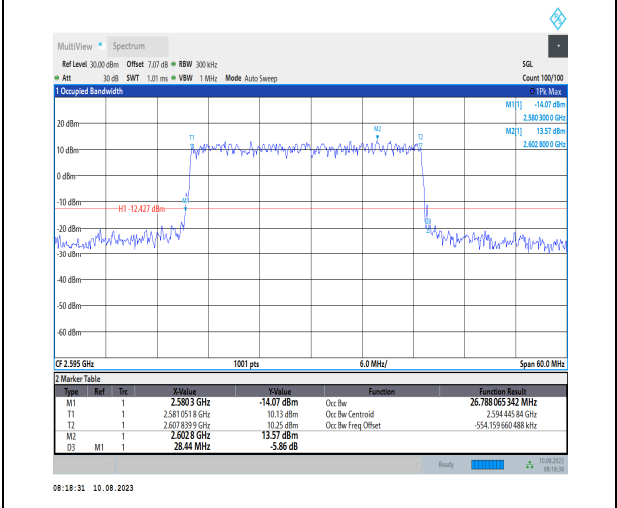
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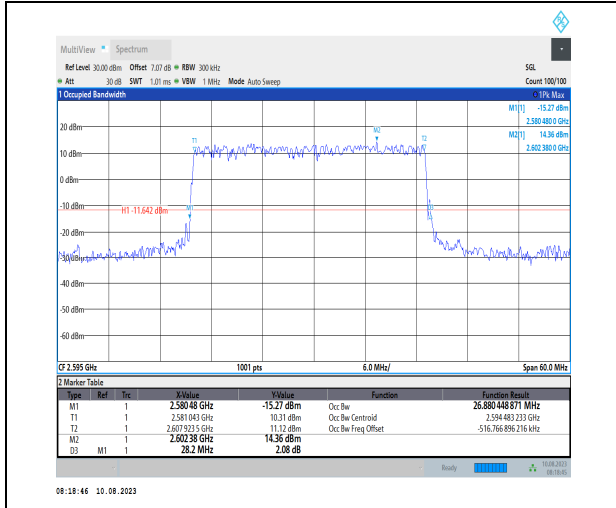


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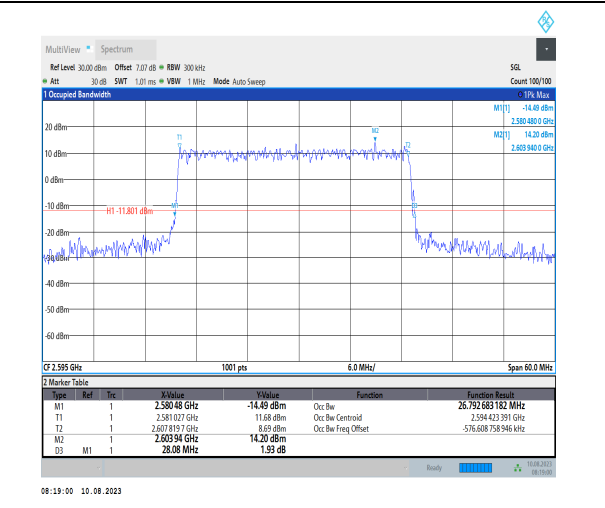


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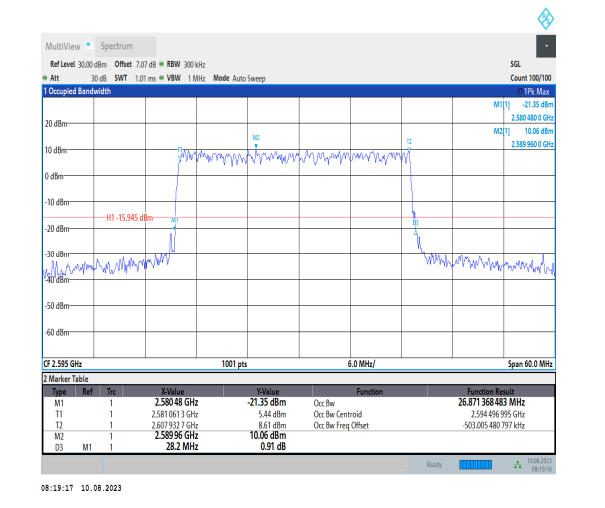
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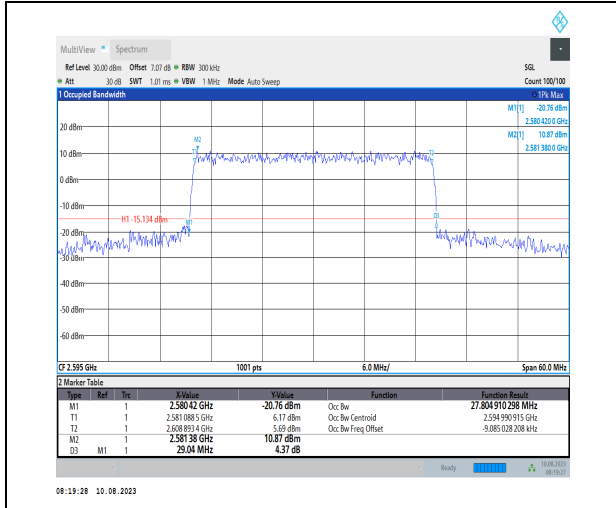
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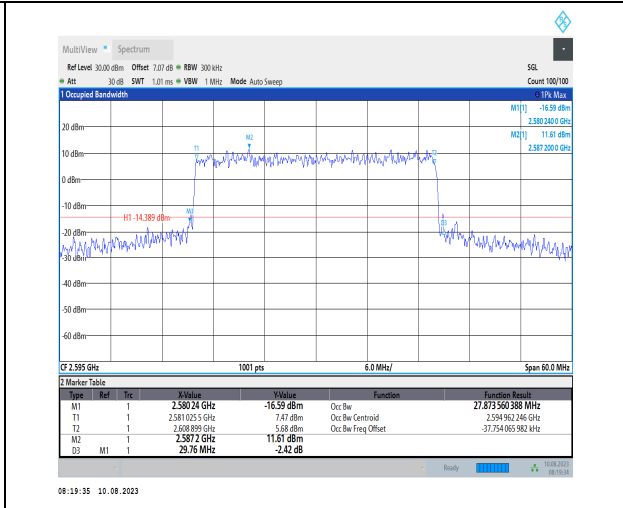
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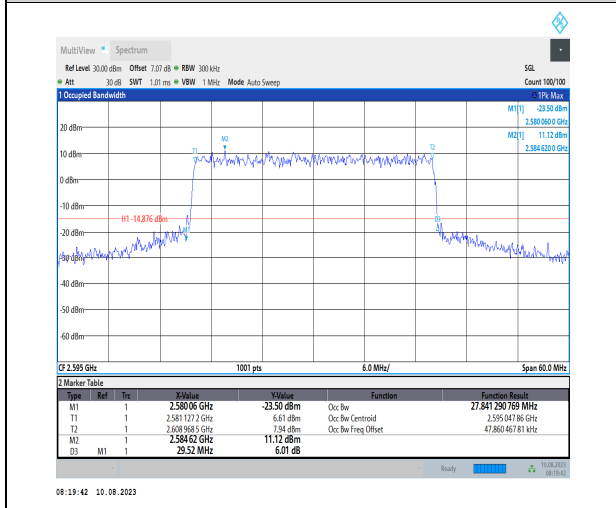
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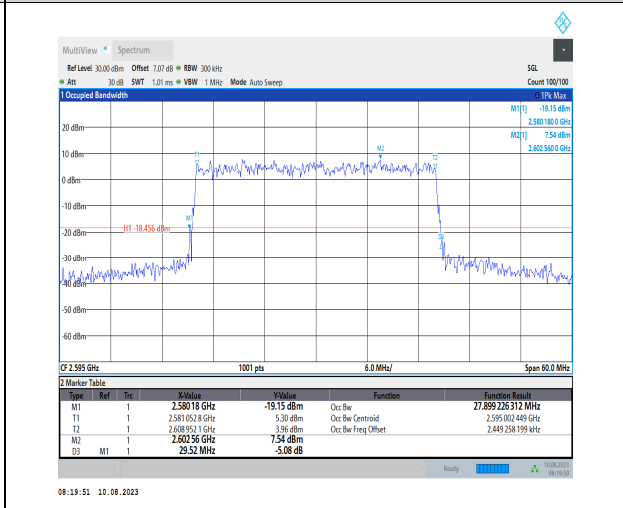
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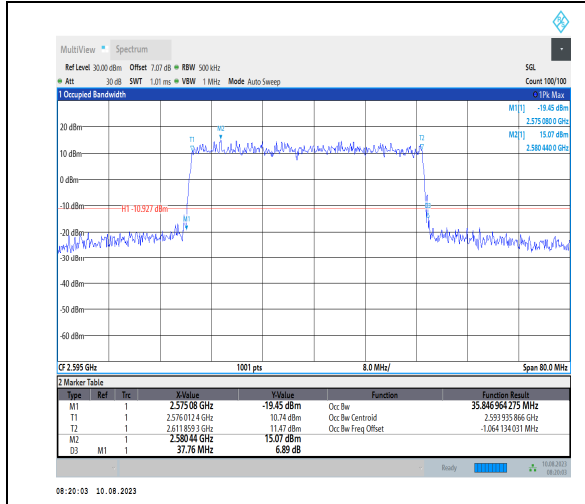
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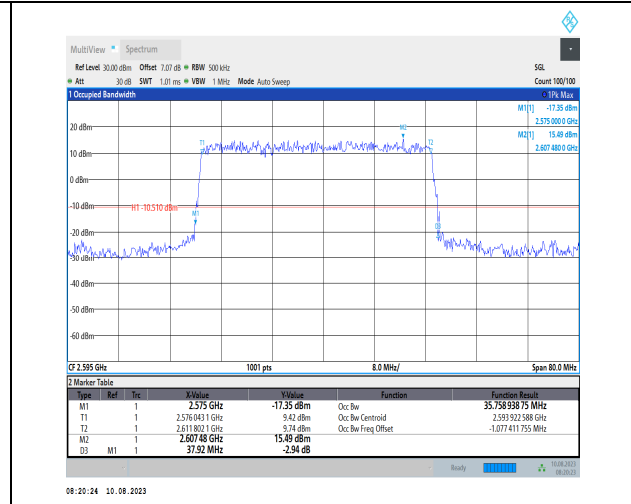
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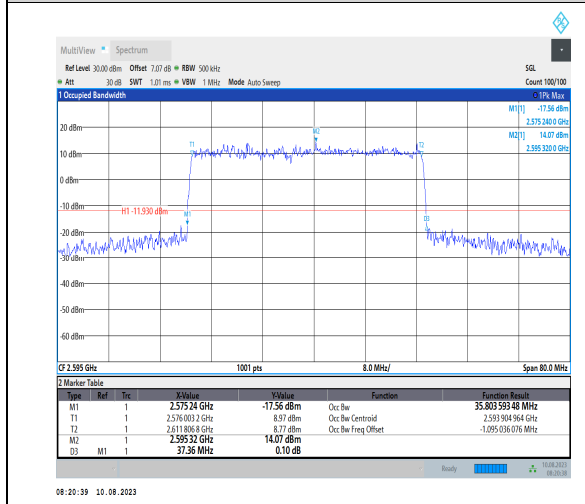
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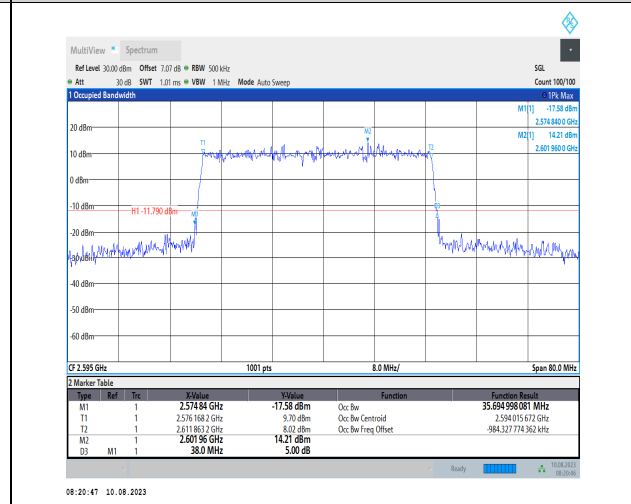
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@0-Ant1-35.759-37.920-≤40-PASS



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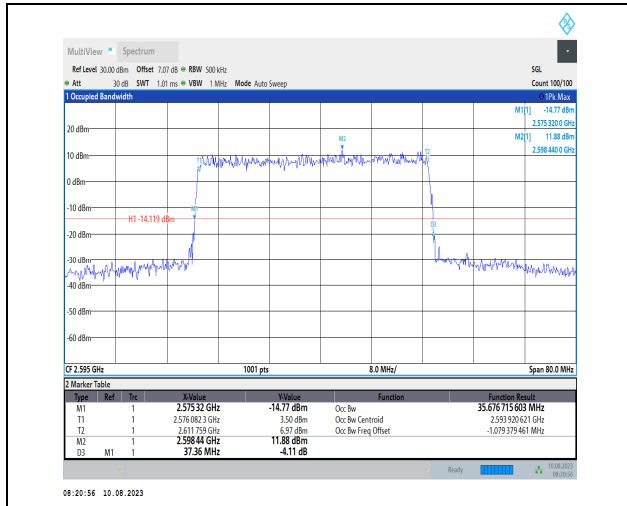
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@0-Ant1-35.695-38.000-≤40-PASS



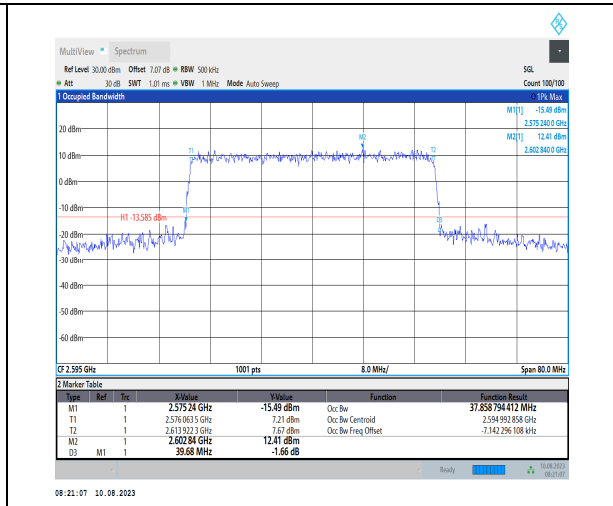
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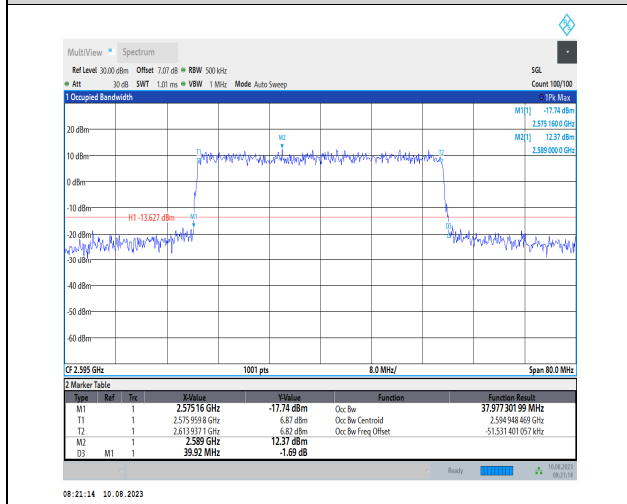
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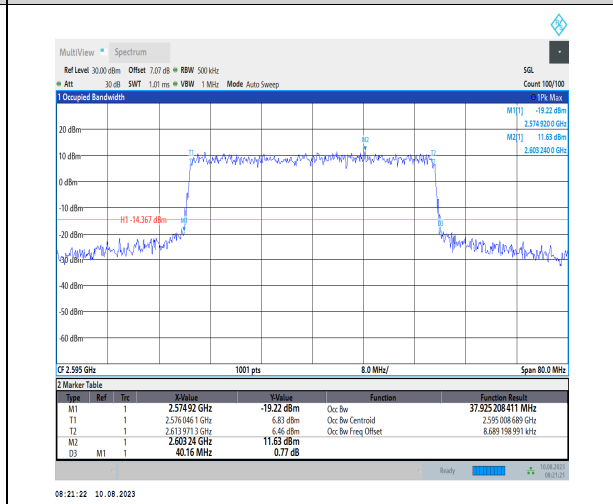
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0-Ant1-37.859-39.680-≤40-PASS



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0-Ant1-37.977-39.920-≤40-PASS



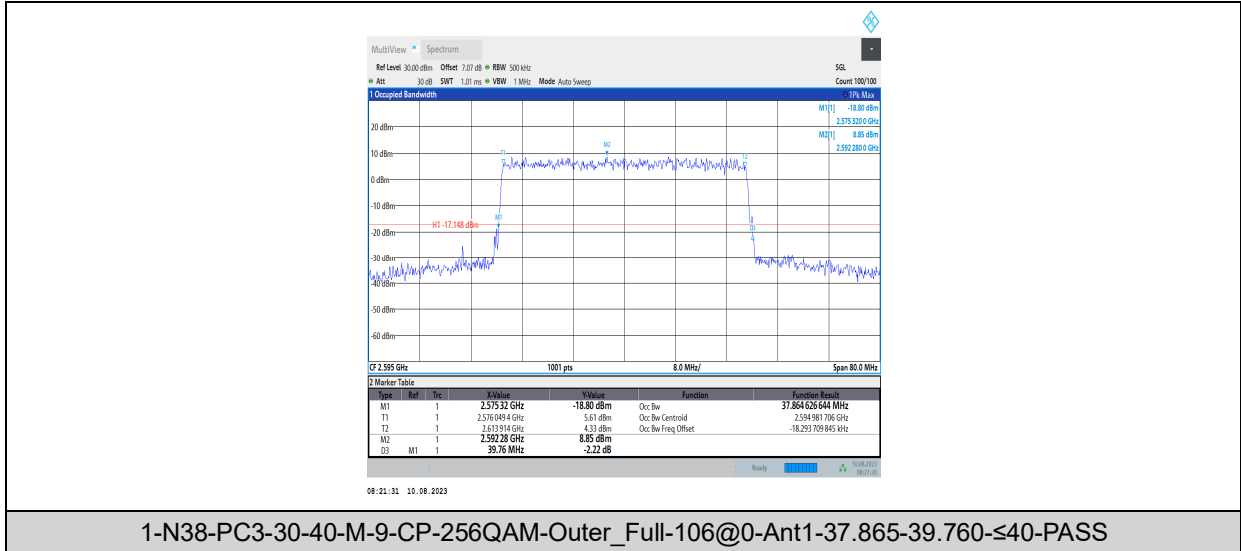
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@0-Ant1-37.925-40.160-≤40-PASS



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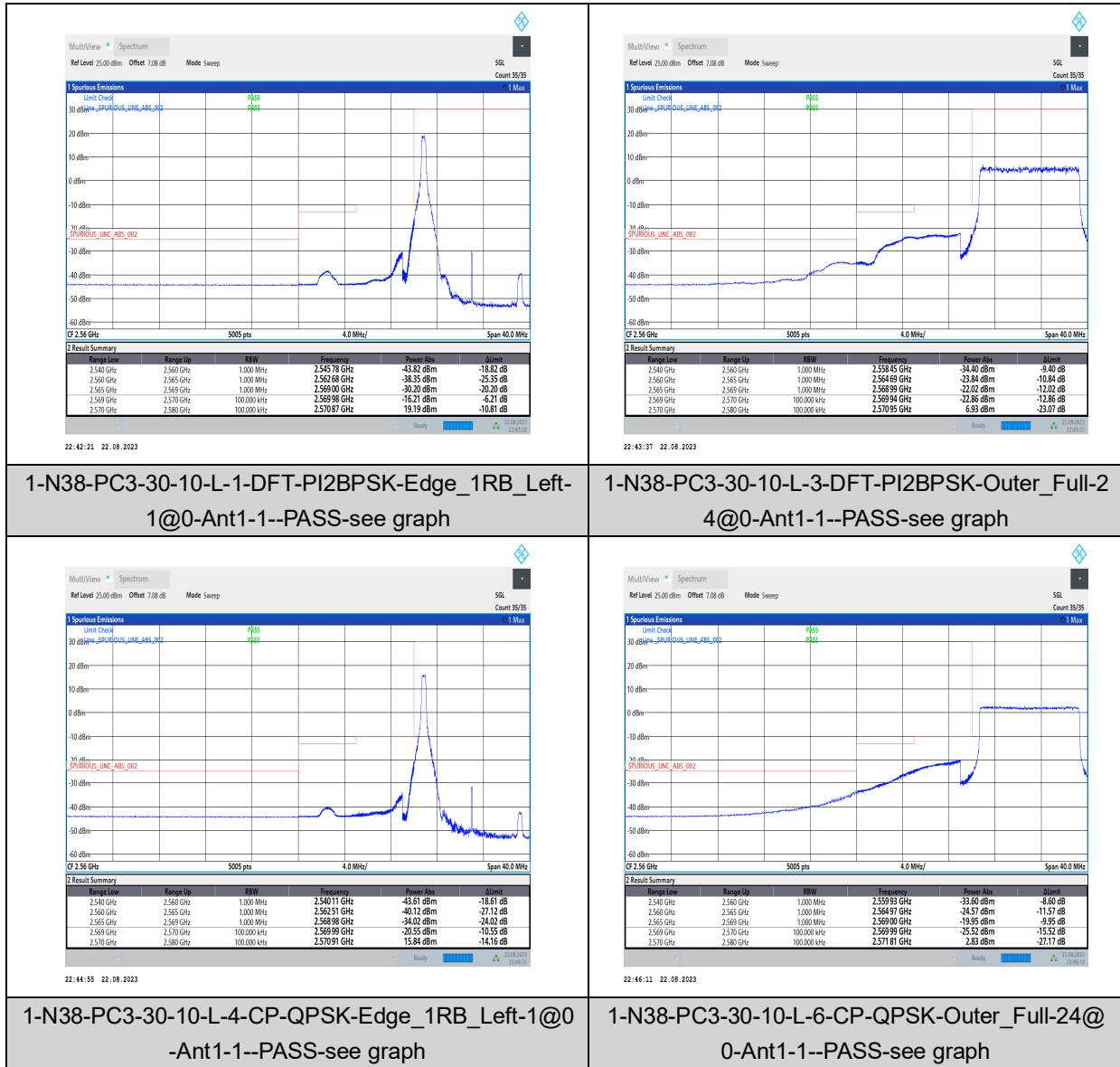


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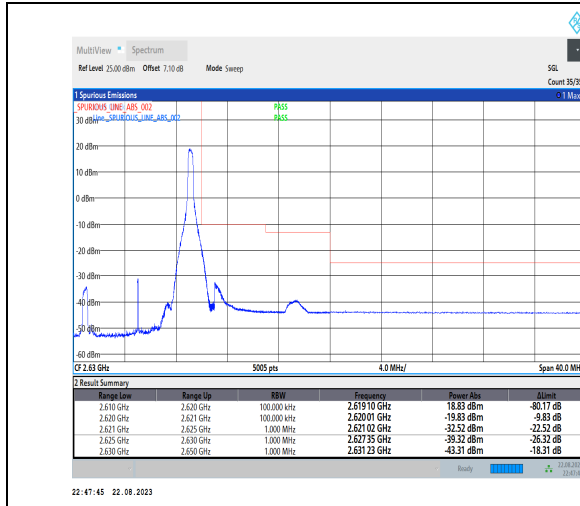
Band Edge for SA
Test Graphs



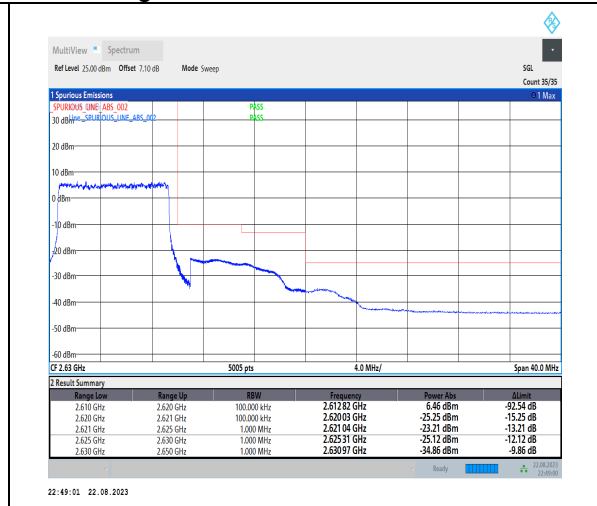
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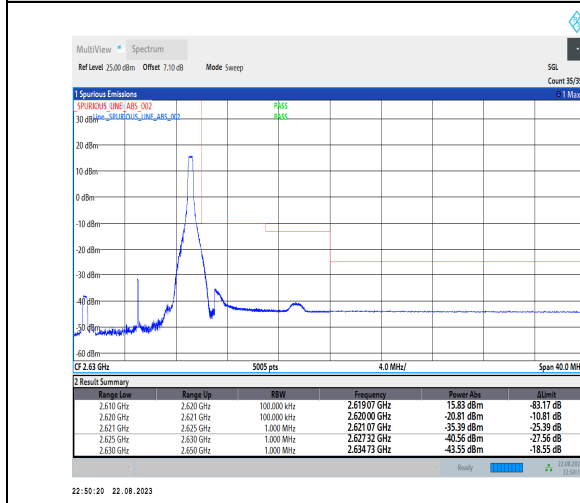
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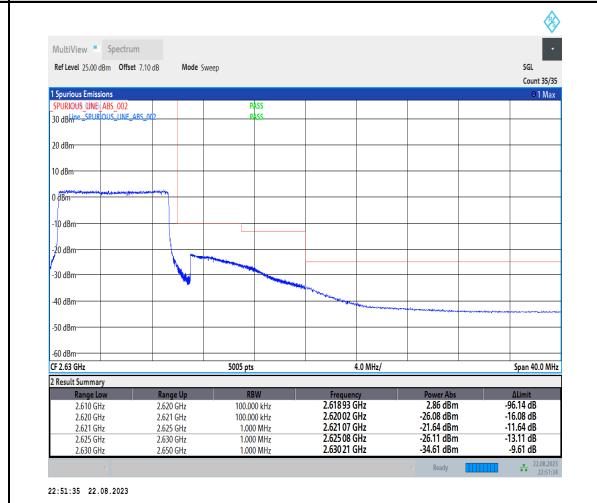
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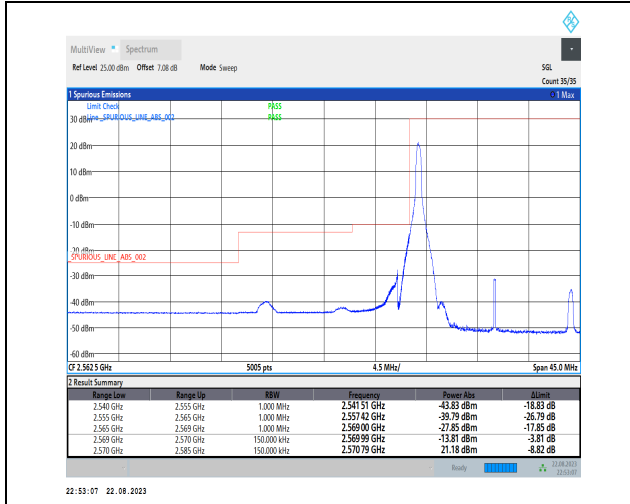
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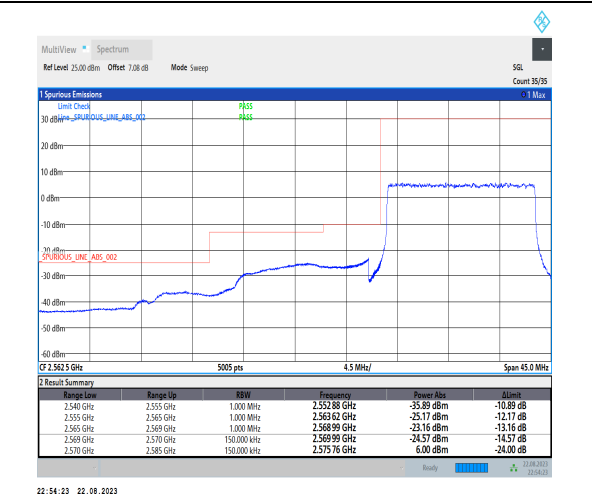
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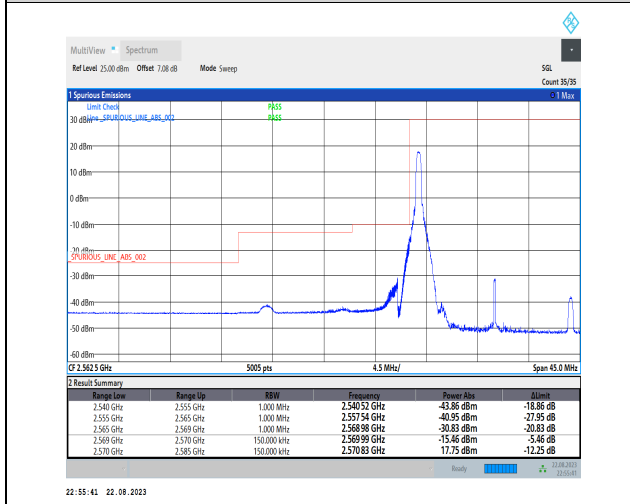
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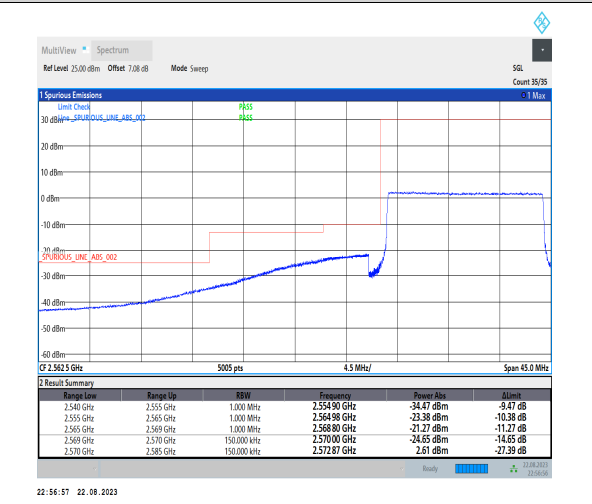
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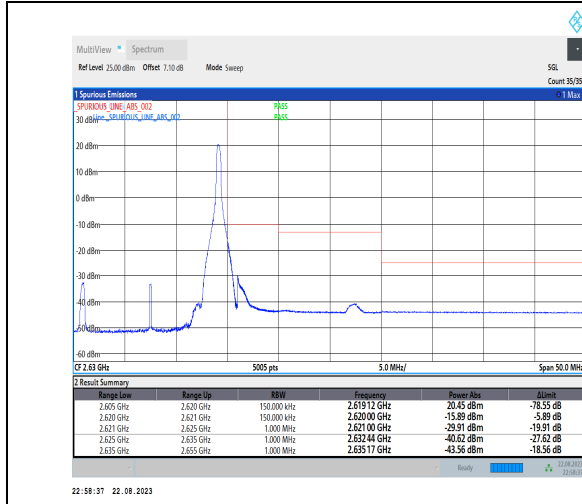
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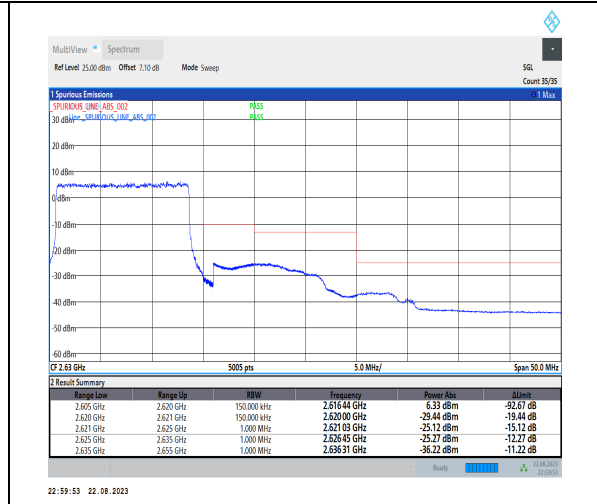
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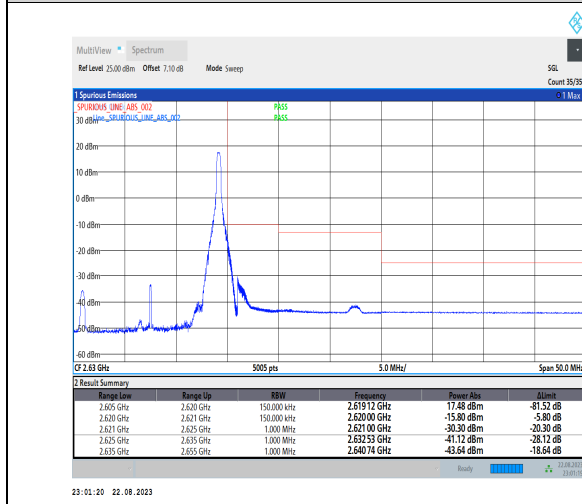
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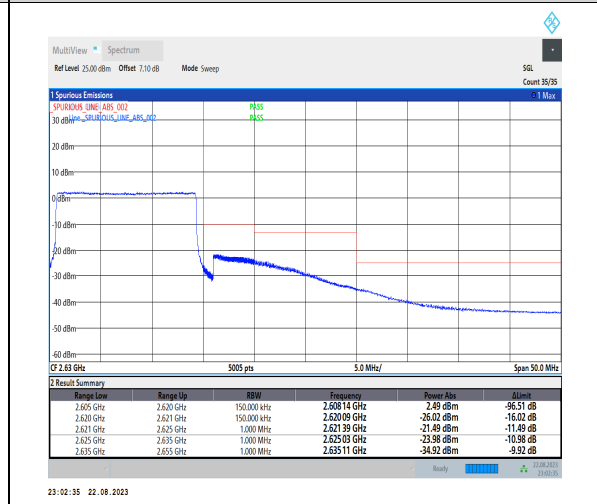
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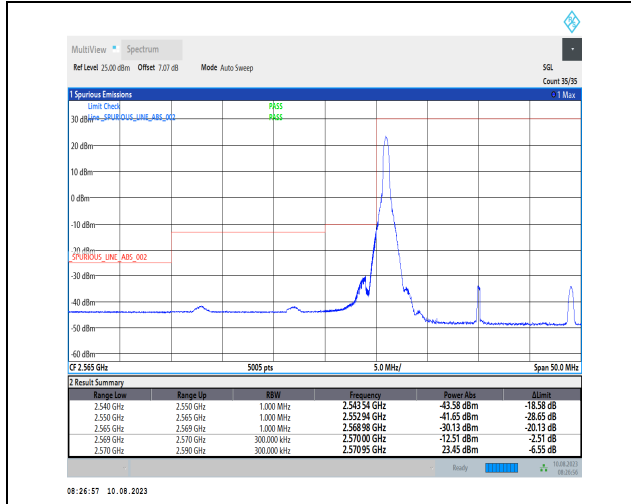


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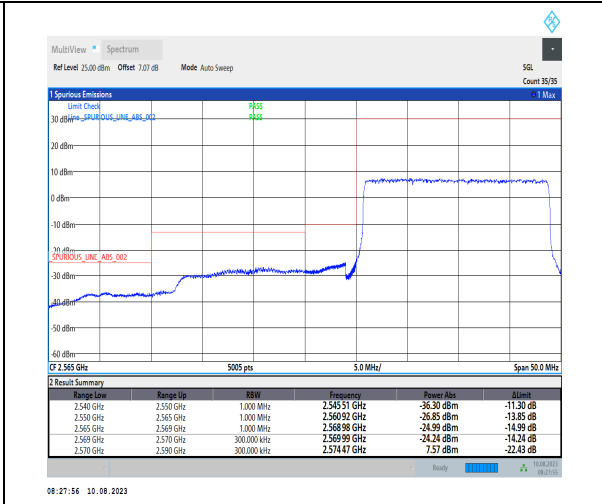


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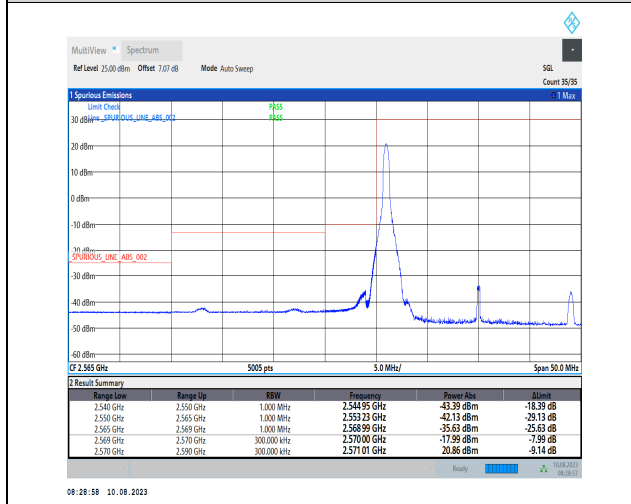
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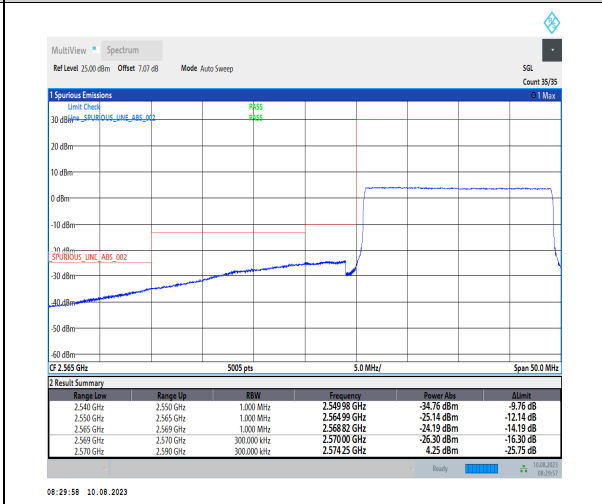
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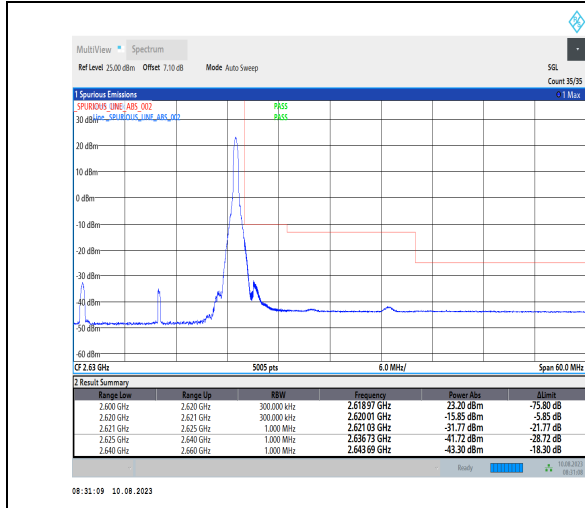
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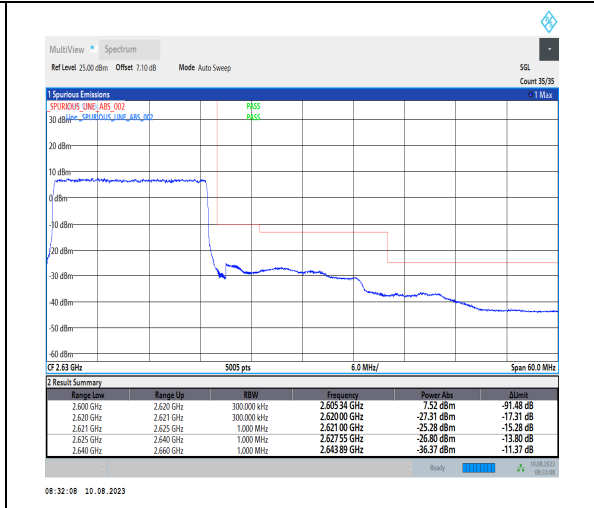
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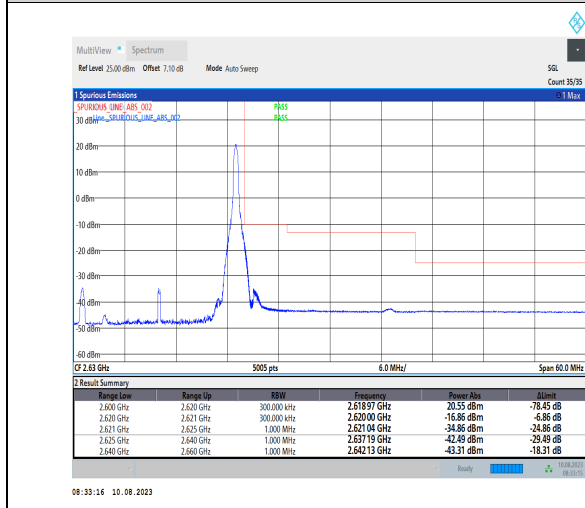
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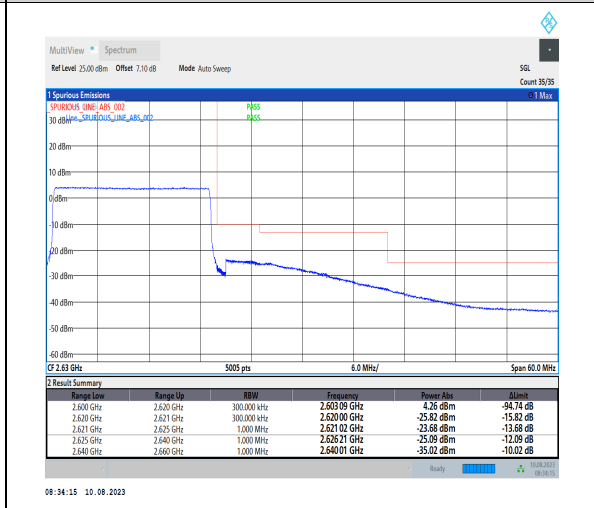
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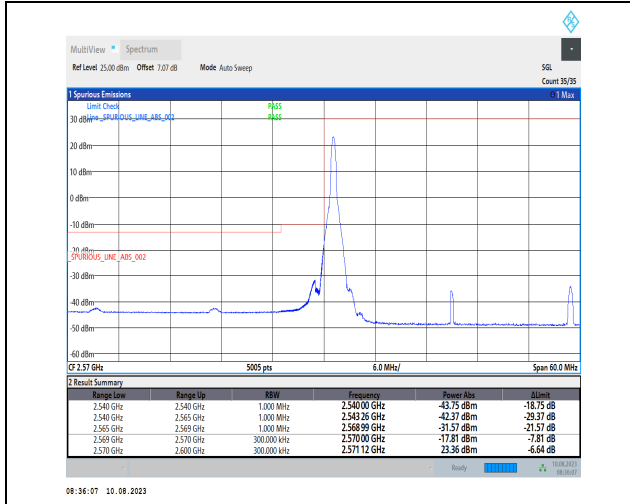
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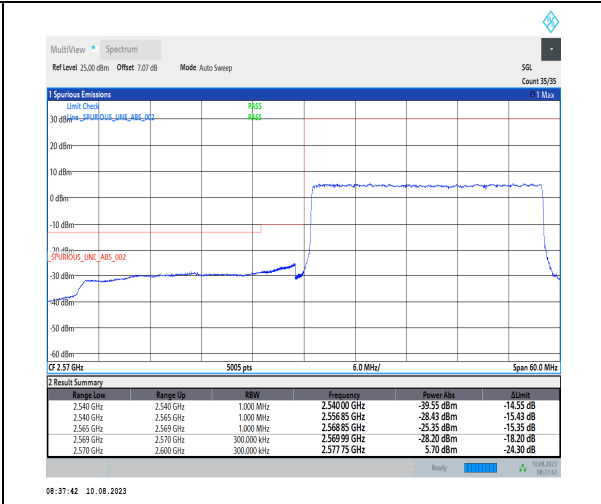
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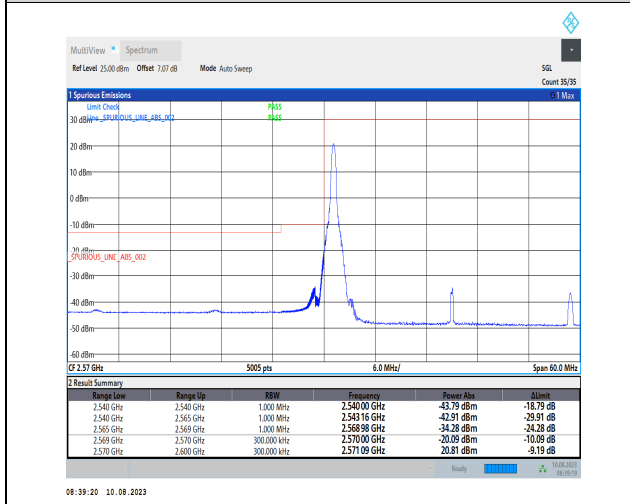
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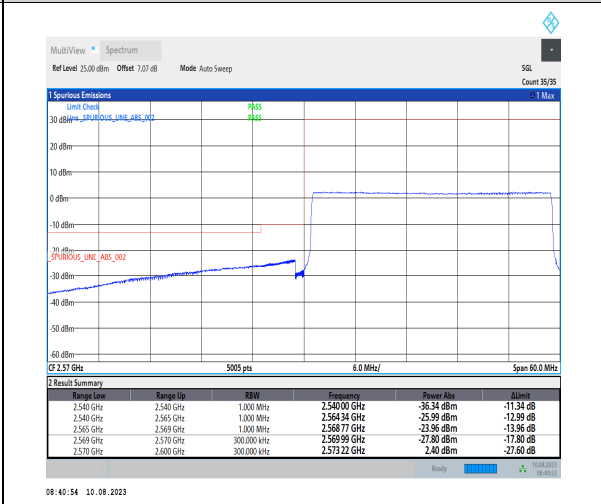
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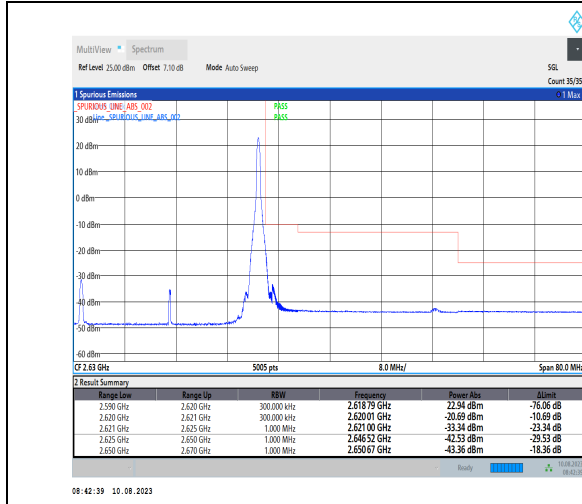
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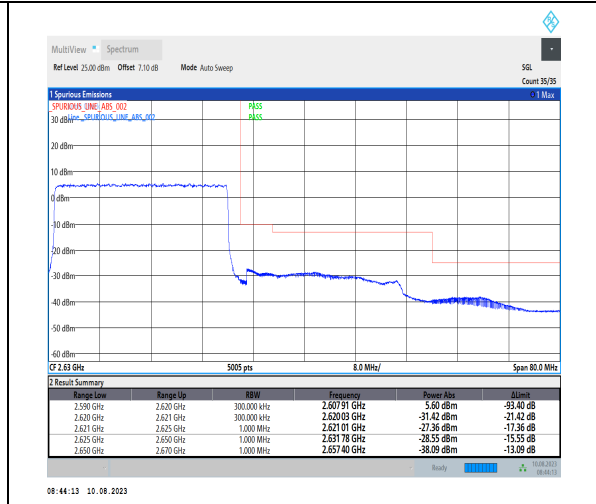
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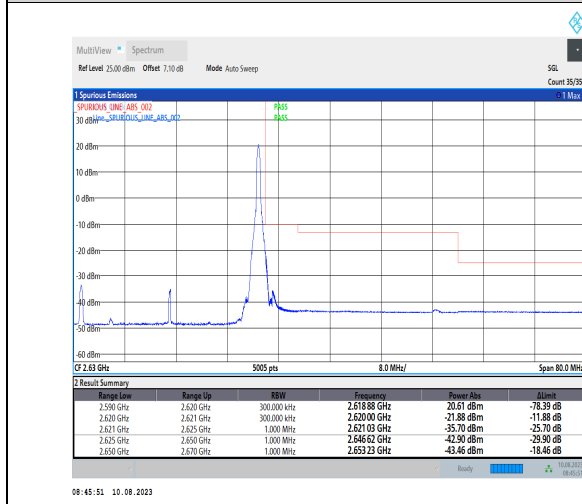
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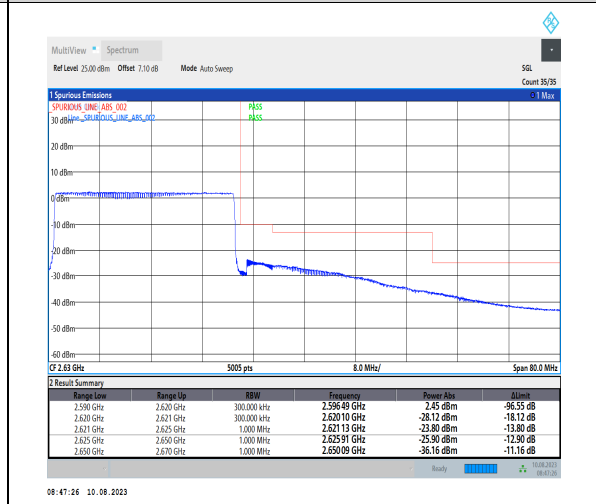
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1-N38-PC3-30-30-H-3-DFT-PI2BPSK-Outer_Full-75@0-Ant1-1--PASS-see graph



1-N38-PC3-30-30-H-5-CP-QPSK-Edge_1RB_Right-1@77-Ant1-1--PASS-see graph



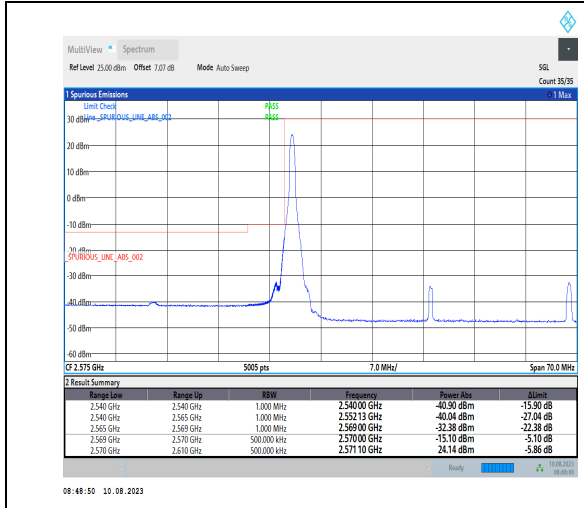
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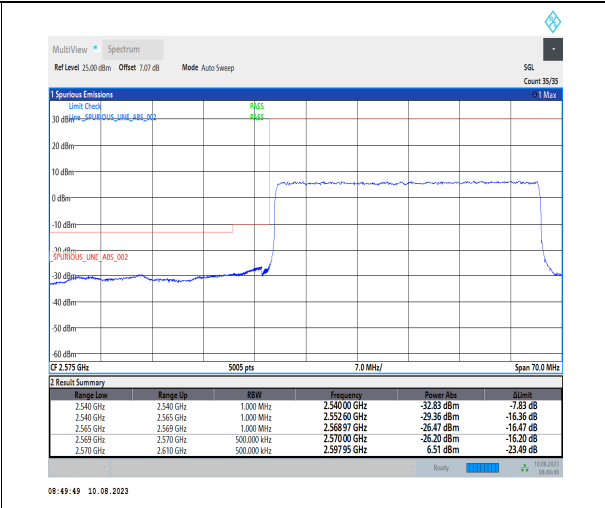
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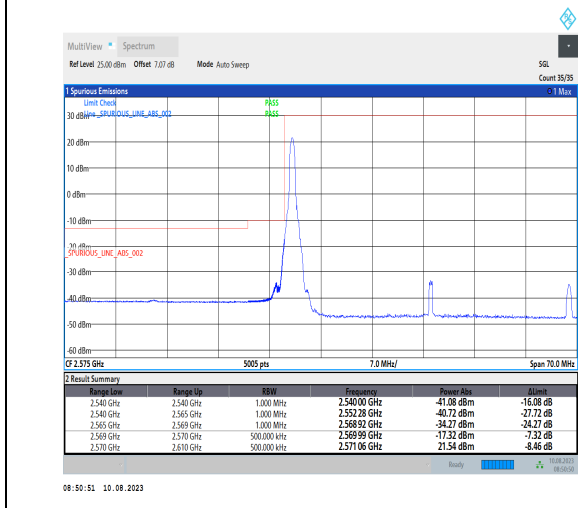
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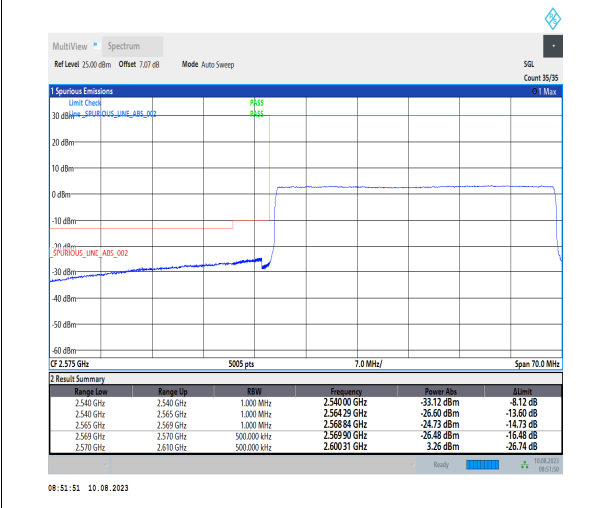
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1-N38-PC3-30-40-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



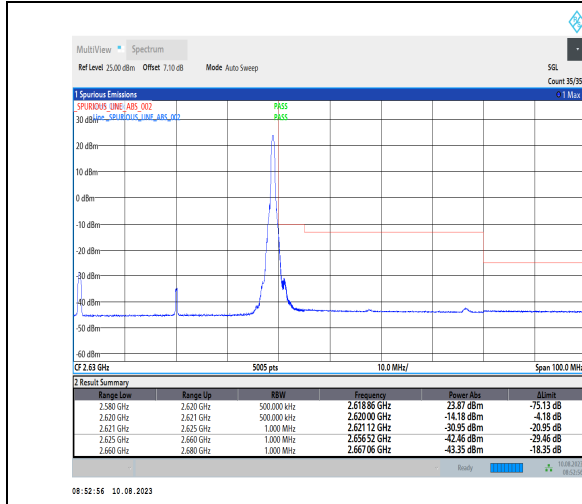
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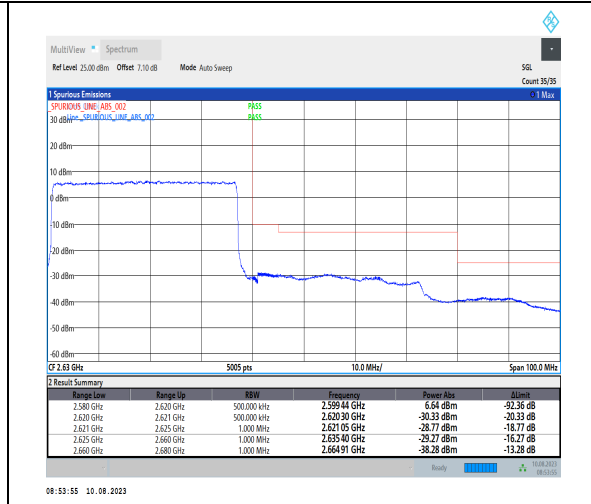
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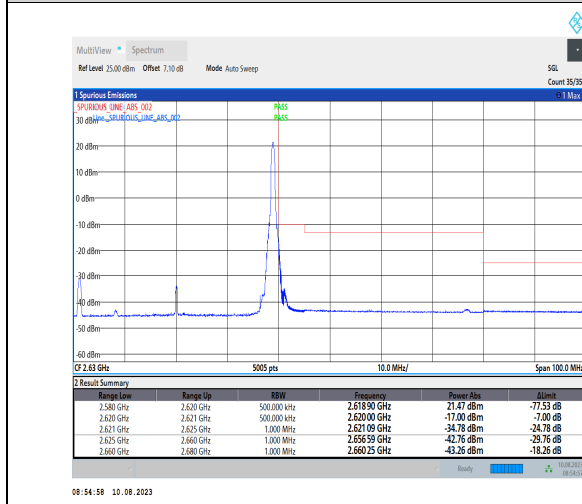
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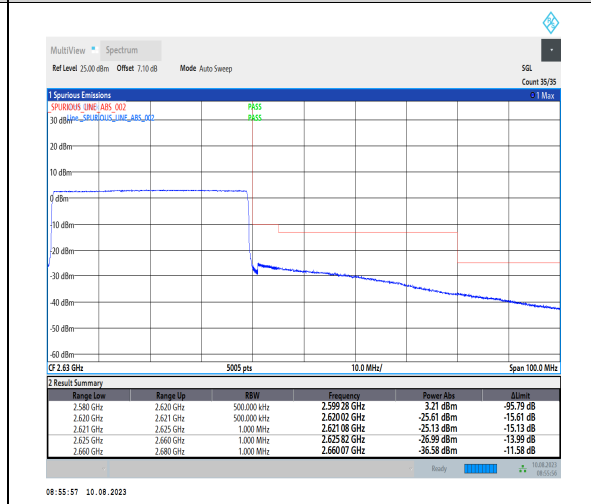
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t1@105-Ant1-1--PASS-see graph



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00@0-Ant1-1--PASS-see graph



1-N38-PC3-30-40-H-5-CP-QPSK-Edge_1RB_Right-1
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1-N38-PC3-30-40-H-6-CP-QPSK-Outer_Full-106
@0-Ant1-1--PASS-see graph



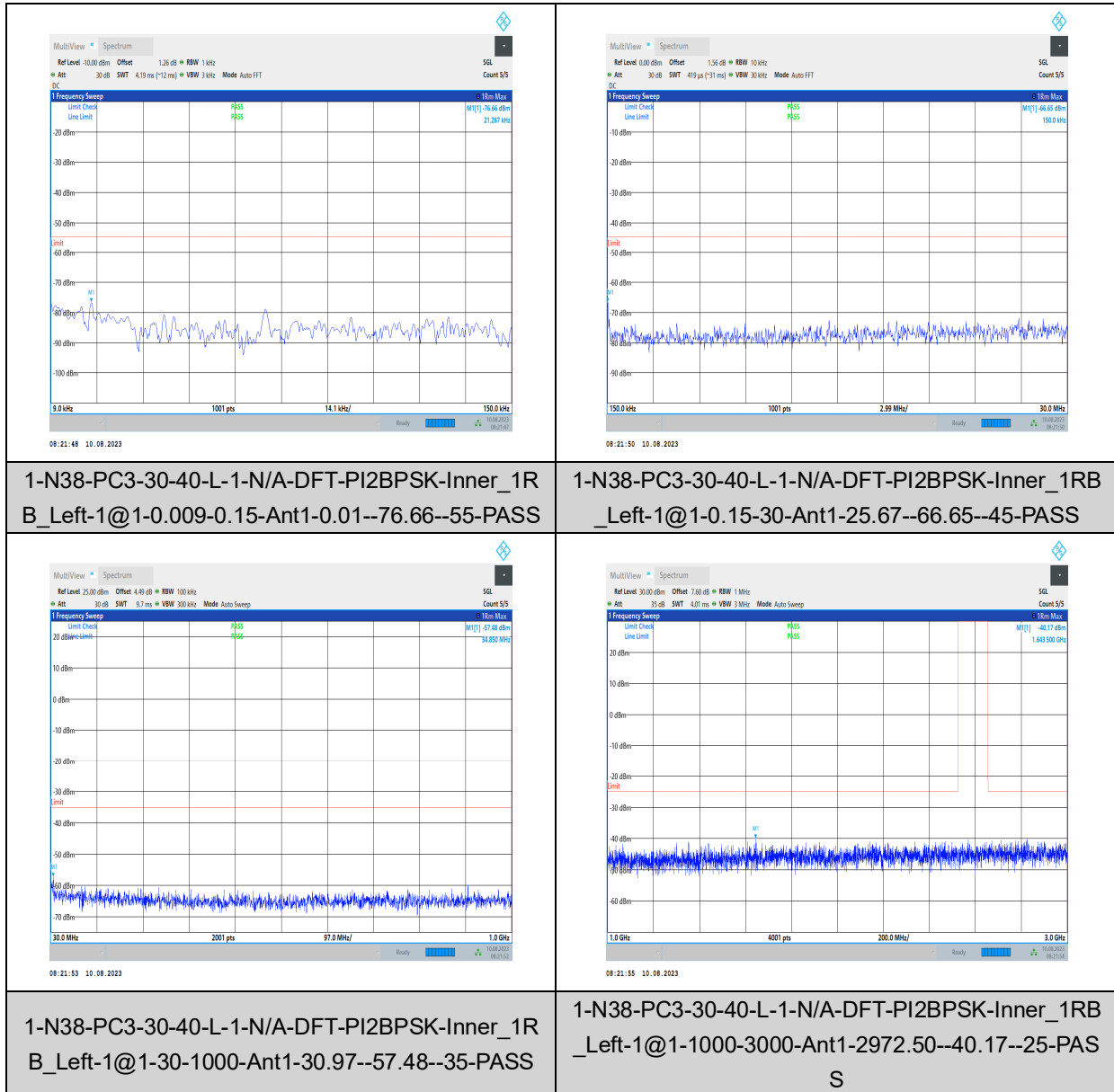
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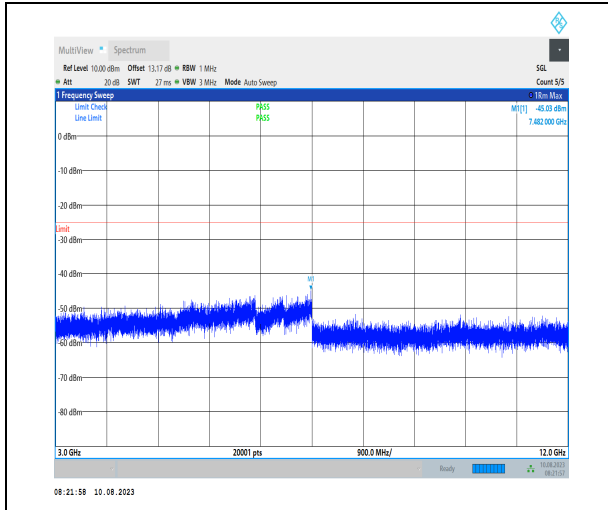
Test Graphs



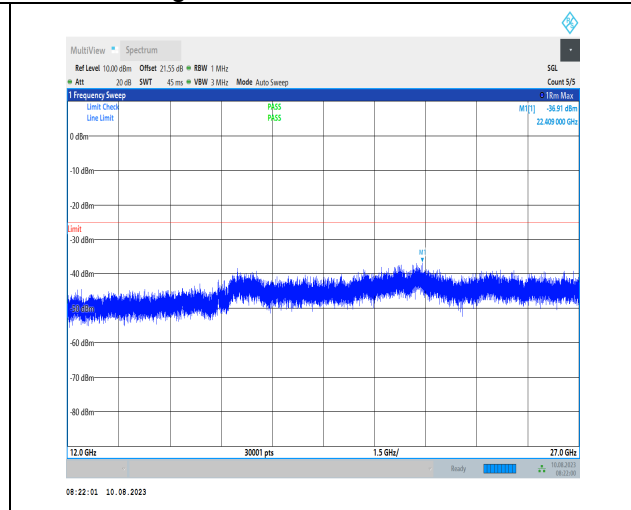
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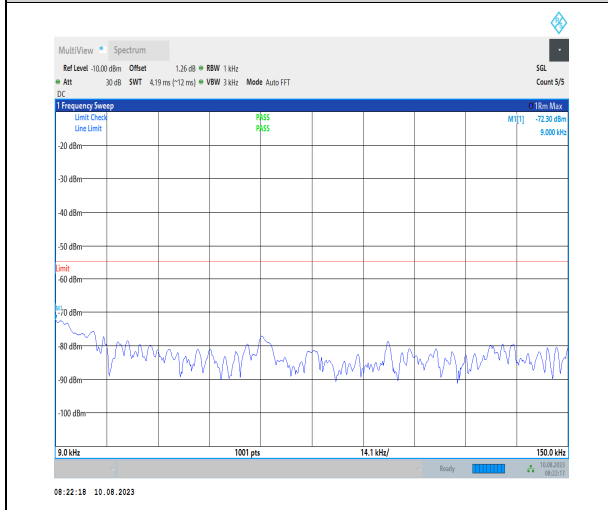
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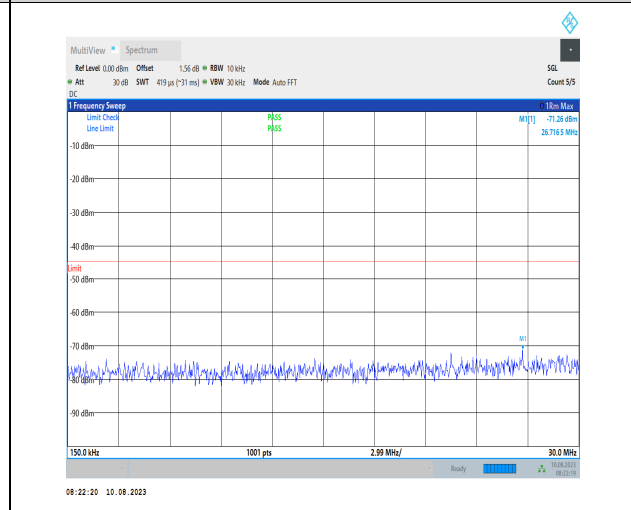
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ASS



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ASS



1-N38-PC3-30-40-M-1-N/A-DFT-PI2BPSK-Inner_1R
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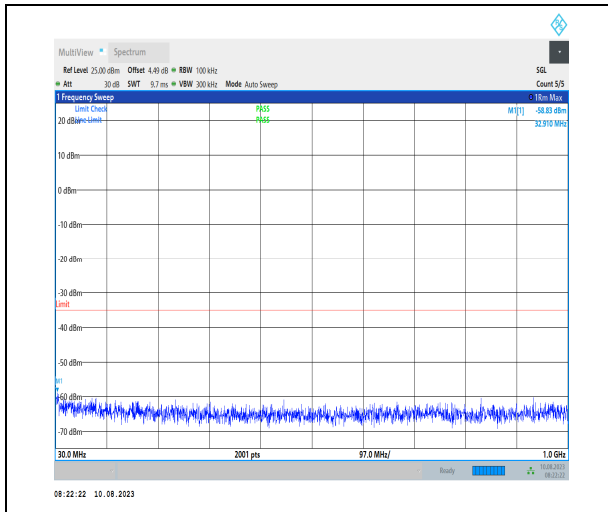


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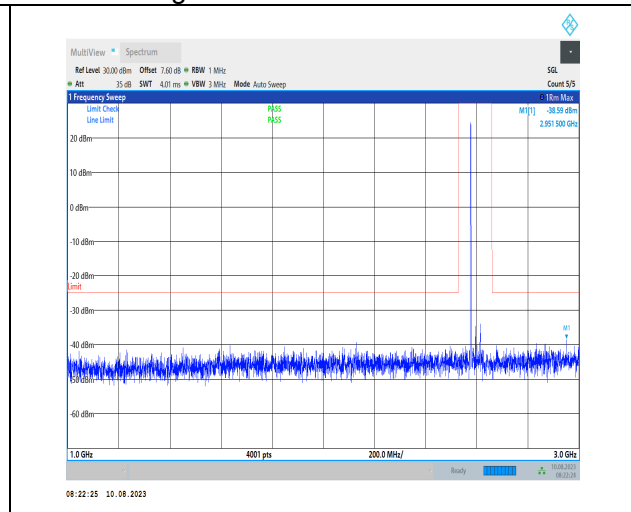


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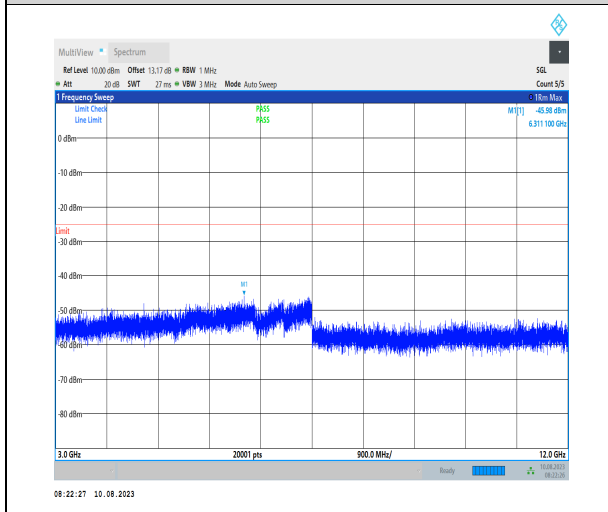
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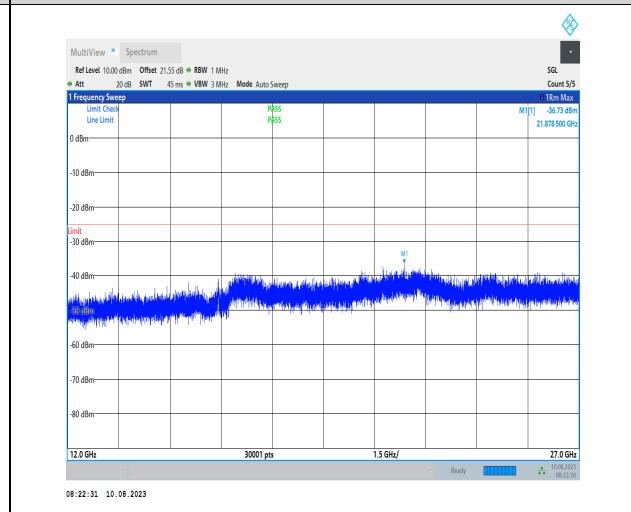
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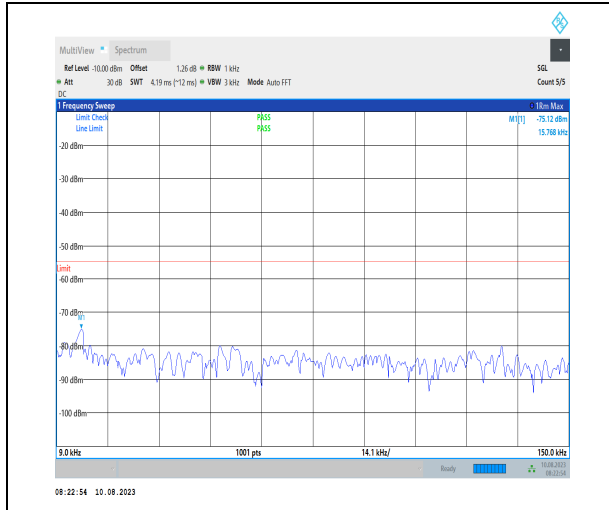


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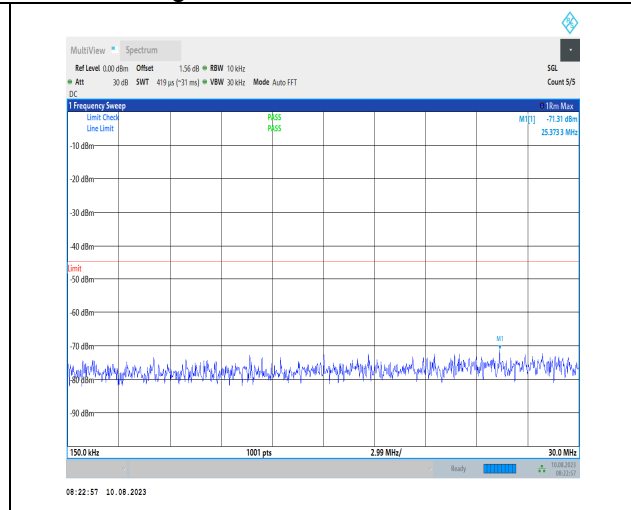


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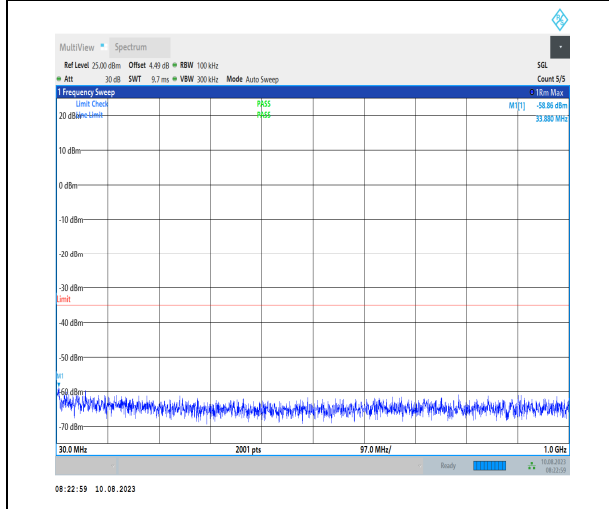
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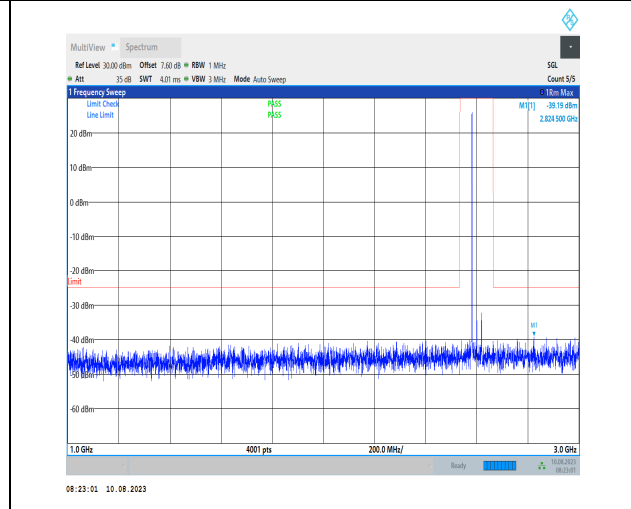
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B_Left-1@1-0.009-0.15-Ant1-0.02--75.12--55-PASS



1-N38-PC3-30-40-H-1-N/A-DFT-PI2BPSK-Inner_1RB
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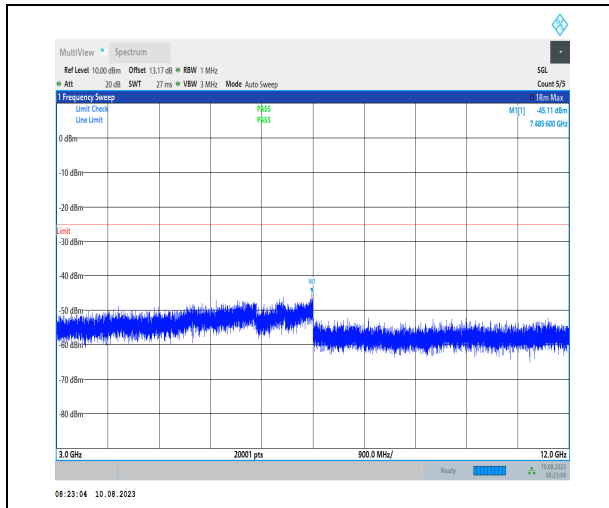
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S



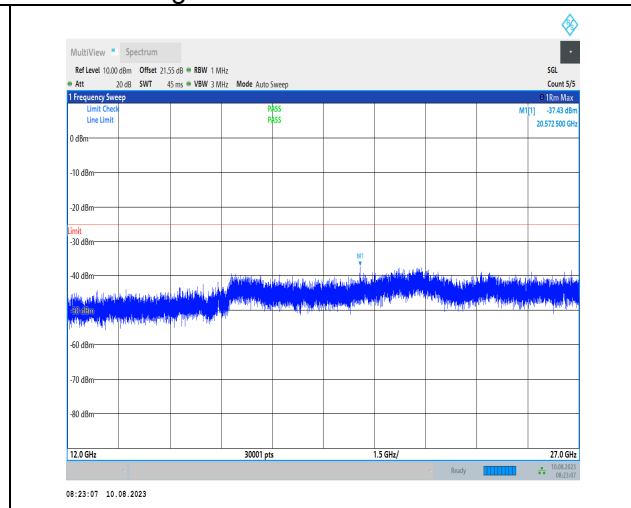
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1-N38-PC3-30-40-H-1-N/A-DFT-PI2BPSK-Inner_1R
 B_Left-1@1-3000-12000-Ant1-6961.35--45.11--25-P
 ASS



1-N38-PC3-30-40-H-1-N/A-DFT-PI2BPSK-Inner_1RB
 _Left-1@1-12000-27000-Ant1-21862.00--37.43--25-P
 ASS



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Field Strength of Spurious Radiation

Test Band = NR_Band 38_ Ant 2TM1

Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4313.5	45.42	-47.82	29.96	-67.70	-25.00	42.70	215	300	Vertical
2	5144.18	44.27	-47.85	31.85	-66.99	-25.00	41.99	197	48	Vertical
3	7716.27	41.46	-45.16	36.54	-62.42	-25.00	37.42	286	210	Vertical
4	10288.36	38.54	-41.26	38.76	-59.22	-25.00	34.22	144	359	Vertical
5	12860.45	36.85	-39.38	38.68	-59.10	-25.00	34.10	246	12	Vertical
6	15432.54	36.33	-37.50	39.28	-57.15	-25.00	32.15	203	258	Vertical

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4410	45.77	-48.10	30.14	-67.45	-25.00	42.45	209	95	Horizontal
2	5144.18	44.91	-47.85	31.85	-66.35	-25.00	41.35	167	36	Horizontal
3	7716.27	41.46	-45.16	36.54	-62.42	-25.00	37.42	233	6	Horizontal
4	10288.36	38.75	-41.26	38.76	-59.01	-25.00	34.01	184	179	Horizontal
5	12860.45	36.72	-39.38	38.68	-59.23	-25.00	34.23	271	126	Horizontal
6	15432.54	35.77	-37.50	39.28	-57.71	-25.00	32.71	165	256	Horizontal



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Test Band = NR_Band 38_Ant 2TM1

Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4352.5	45.51	-47.95	30.03	-67.67	-25.00	42.67	211	1	Vertical
2	5154.18	43.63	-47.86	31.87	-67.62	-25.00	42.62	181	90	Vertical
3	7731.27	41.84	-45.12	36.52	-62.01	-25.00	37.01	253	43	Vertical
4	10308.36	37.67	-41.16	38.78	-59.97	-25.00	34.97	164	218	Vertical
5	12885.45	37.16	-39.41	38.67	-58.84	-25.00	33.84	277	323	Vertical
6	15462.54	35.78	-37.76	39.22	-58.02	-25.00	33.02	184	133	Vertical

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3974	46.19	-48.21	29.36	-67.92	-25.00	42.92	132	62	Horizontal
2	5154.18	43.63	-47.86	31.87	-67.62	-25.00	42.62	241	79	Horizontal
3	7731.27	41.93	-45.12	36.52	-61.92	-25.00	36.92	178	246	Horizontal
4	10308.36	37.61	-41.16	38.78	-60.03	-25.00	35.03	299	337	Horizontal
5	12885.45	36.17	-39.41	38.67	-59.83	-25.00	34.83	165	240	Horizontal
6	15462.54	35.78	-37.76	39.22	-58.02	-25.00	33.02	235	299	Horizontal



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Test Band = NR_Band 38_Ant 2TM1

Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3958.5	46.10	-48.23	29.34	-68.04	-25.00	43.04	214	84	Vertical
2	5164.18	43.98	-47.87	31.89	-67.25	-25.00	42.25	189	54	Vertical
3	7746.27	41.91	-45.07	36.50	-61.92	-25.00	36.92	234	262	Vertical
4	10328.36	38.11	-41.18	38.80	-59.53	-25.00	34.53	225	166	Vertical
5	12910.45	36.91	-39.43	38.65	-59.12	-25.00	34.12	176	238	Vertical
6	15492.54	35.51	-38.01	39.16	-58.60	-25.00	33.60	209	305	Vertical

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4254.5	45.70	-48.04	29.86	-67.75	-25.00	42.75	197	84	Horizontal
2	5164.18	44.13	-47.87	31.89	-67.10	-25.00	42.10	224	168	Horizontal
3	7746.27	41.65	-45.07	36.50	-62.18	-25.00	37.18	156	233	Horizontal
4	10328.36	37.74	-41.18	38.80	-59.90	-25.00	34.90	286	48	Horizontal
5	12910.45	36.68	-39.43	38.65	-59.35	-25.00	34.35	201	78	Horizontal
6	15492.54	35.44	-38.01	39.16	-58.67	-25.00	33.67	144	108	Horizontal



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Test Band = NR_Band 38_Ant 3TM1
 Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3711.5	46.68	-48.47	29.00	-68.06	-25.00	43.06	214	293	Vertical
2	5144.18	44.15	-47.85	31.85	-67.11	-25.00	42.11	185	78	Vertical
3	7716.27	42.34	-45.16	36.54	-61.54	-25.00	36.54	233	90	Vertical
4	10288.36	37.89	-41.26	38.76	-59.87	-25.00	34.87	159	120	Vertical
5	12860.45	36.47	-39.38	38.68	-59.48	-25.00	34.48	268	114	Vertical
6	15432.54	34.93	-37.50	39.28	-58.55	-25.00	33.55	150	336	Vertical

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3651.5	46.37	-48.40	28.91	-68.38	-25.00	43.38	256	1	Horizontal
2	5144.18	43.50	-47.85	31.85	-67.76	-25.00	42.76	153	167	Horizontal
3	7716.27	41.61	-45.16	36.54	-62.27	-25.00	37.27	288	293	Horizontal
4	10288.36	38.08	-41.26	38.76	-59.68	-25.00	34.68	163	352	Horizontal
5	12860.45	36.85	-39.38	38.68	-59.10	-25.00	34.10	248	293	Horizontal
6	15432.54	34.74	-37.50	39.28	-58.74	-25.00	33.74	156	120	Horizontal



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Test Band = NR_Band 38_Ant 3TM1

Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4024	45.94	-48.15	29.44	-68.03	-25.00	43.03	241	350	Vertical
2	5154.18	43.69	-47.86	31.87	-67.56	-25.00	42.56	193	180	Vertical
3	7731.27	42.76	-45.12	36.52	-61.09	-25.00	36.09	266	243	Vertical
4	10308.36	38.26	-41.16	38.78	-59.38	-25.00	34.38	184	324	Vertical
5	12885.45	36.53	-39.41	38.67	-59.47	-25.00	34.47	246	54	Vertical
6	15462.54	35.36	-37.76	39.22	-58.44	-25.00	33.44	171	305	Vertical

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4160.5	46.02	-48.24	29.69	-67.79	-25.00	42.79	174	203	Horizontal
2	5154.18	43.64	-47.86	31.87	-67.61	-25.00	42.61	194	285	Horizontal
3	7731.27	41.53	-45.12	36.52	-62.32	-25.00	37.32	163	310	Horizontal
4	10308.36	37.71	-41.16	38.78	-59.93	-25.00	34.93	242	155	Horizontal
5	12885.45	37.37	-39.41	38.67	-58.63	-25.00	33.63	153	131	Horizontal
6	15462.54	35.77	-37.76	39.22	-58.03	-25.00	33.03	287	244	Horizontal



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Test Band = NR_Band 38_Ant 3TM1

Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3743.5	45.74	-48.37	29.04	-68.85	-25.00	43.85	143	65	Vertical
2	5164.18	44.68	-47.87	31.89	-66.55	-25.00	41.55	263	1	Vertical
3	7746.27	41.66	-45.07	36.50	-62.17	-25.00	37.17	287	198	Vertical
4	10328.36	37.87	-41.18	38.80	-59.77	-25.00	34.77	142	144	Vertical
5	12910.45	37.72	-39.43	38.65	-58.31	-25.00	33.31	195	12	Vertical
6	15492.54	34.74	-38.01	39.16	-59.37	-25.00	34.37	201	36	Vertical

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4163	46.42	-48.25	29.69	-67.40	-25.00	42.40	129	234	Horizontal
2	5164.18	43.42	-47.87	31.89	-67.81	-25.00	42.81	281	360	Horizontal
3	7746.27	42.09	-45.07	36.50	-61.74	-25.00	36.74	172	7	Horizontal
4	10328.36	38.01	-41.18	38.80	-59.63	-25.00	34.63	253	357	Horizontal
5	12910.45	36.74	-39.43	38.65	-59.29	-25.00	34.29	264	264	Horizontal
6	15492.54	35.06	-38.01	39.16	-59.05	-25.00	34.05	158	347	Horizontal



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Test Band = NR_Band 38_Ant 4TM1
 Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3878	46.41	-48.27	29.23	-67.89	-25.00	42.89	218	83	Vertical
2	5142	46.84	-47.85	31.84	-64.43	-25.00	39.43	198	359	Vertical
3	7716.27	42.36	-45.16	36.54	-61.52	-25.00	36.52	166	340	Vertical
4	10288.36	39.13	-41.26	38.76	-58.63	-25.00	33.63	285	355	Vertical
5	12860.45	37.24	-39.38	38.68	-58.71	-25.00	33.71	145	77	Vertical
6	15432.54	35.59	-37.50	39.28	-57.89	-25.00	32.89	126	233	Vertical

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4233	46.02	-48.17	29.82	-67.59	-25.00	42.59	198	77	Horizontal
2	5144.18	43.99	-47.85	31.85	-67.27	-25.00	42.27	244	280	Horizontal
3	7716.27	41.95	-45.16	36.54	-61.93	-25.00	36.93	254	114	Horizontal
4	10288.36	38.38	-41.26	38.76	-59.38	-25.00	34.38	163	149	Horizontal
5	12860.45	37.27	-39.38	38.68	-58.68	-25.00	33.68	168	131	Horizontal
6	15432.54	35.86	-37.50	39.28	-57.62	-25.00	32.62	198	280	Horizontal



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 Wireless Laboratory

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Test Band = NR_Band 38_Ant 4TM1

Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4319.5	45.77	-47.84	29.98	-67.36	-25.00	42.36	269	65	Vertical
2	5154.18	44.42	-47.86	31.87	-66.83	-25.00	41.83	253	344	Vertical
3	7731.27	42.23	-45.12	36.52	-61.62	-25.00	36.62	184	200	Vertical
4	10308.36	37.93	-41.16	38.78	-59.71	-25.00	34.71	175	360	Vertical
5	12885.45	36.57	-39.41	38.67	-59.43	-25.00	34.43	196	145	Vertical
6	15462.54	35.66	-37.76	39.22	-58.14	-25.00	33.14	233	47	Vertical

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4616.5	46.54	-47.99	30.58	-66.13	-25.00	41.13	190	72	Horizontal
2	5154.18	43.76	-47.86	31.87	-67.49	-25.00	42.49	126	341	Horizontal
3	7731.27	42.34	-45.12	36.52	-61.51	-25.00	36.51	288	252	Horizontal
4	10308.36	37.95	-41.16	38.78	-59.69	-25.00	34.69	175	19	Horizontal
5	12885.45	36.65	-39.41	38.67	-59.35	-25.00	34.35	146	323	Horizontal
6	15462.54	36.21	-37.76	39.22	-57.59	-25.00	32.59	230	317	Horizontal



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Test Band = NR_Band 38_Ant 4TM1

Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3942.5	46.27	-48.24	29.32	-67.91	-25.00	42.91	127	192	Vertical
2	5164.18	43.96	-47.87	31.89	-67.27	-25.00	42.27	238	150	Vertical
3	7746.27	41.80	-45.07	36.50	-62.03	-25.00	37.03	164	276	Vertical
4	10328.36	38.15	-41.18	38.80	-59.49	-25.00	34.49	295	288	Vertical
5	12910.45	37.06	-39.43	38.65	-58.97	-25.00	33.97	177	65	Vertical
6	15492.54	35.60	-38.01	39.16	-58.51	-25.00	33.51	142	252	Vertical

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3976.5	46.11	-48.21	29.37	-67.99	-25.00	42.99	195	98	Horizontal
2	7743	45.22	-45.08	36.51	-58.61	-25.00	33.61	281	217	Horizontal
3	5164.18	44.16	-47.87	31.89	-67.07	-25.00	42.07	175	294	Horizontal
4	10328.36	38.49	-41.18	38.80	-59.15	-25.00	34.15	166	163	Horizontal
5	12910.45	37.18	-39.43	38.65	-58.85	-25.00	33.85	243	67	Horizontal
6	15492.54	35.67	-38.01	39.16	-58.44	-25.00	33.44	188	73	Horizontal



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Test Band = NR_Band 38_Ant 5TM1

Test Channel = Low Channel

Final 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	46.16	-48.27	29.29	-68.08	-25.00	43.08	259	133	Vertical
2	5144.18	43.42	-47.85	31.85	-67.84	-25.00	42.84	178	127	Vertical
3	7716.27	41.63	-45.16	36.54	-62.25	-25.00	37.25	299	360	Vertical
4	10288.36	38.53	-41.26	38.76	-59.23	-25.00	34.23	235	78	Vertical
5	12860.45	36.63	-39.38	38.68	-59.32	-25.00	34.32	146	248	Vertical
6	15432.54	35.75	-37.50	39.28	-57.73	-25.00	32.73	285	206	Vertical

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3883	46.17	-48.27	29.24	-68.13	-25.00	43.13	138	72	Horizontal
2	5144.18	43.79	-47.85	31.85	-67.47	-25.00	42.47	129	162	Horizontal
3	7716.27	41.66	-45.16	36.54	-62.22	-25.00	37.22	266	252	Horizontal
4	10288.36	39.06	-41.26	38.76	-58.70	-25.00	33.70	124	6	Horizontal
5	12860.45	36.36	-39.38	38.68	-59.59	-25.00	34.59	206	358	Horizontal
6	15432.54	35.53	-37.50	39.28	-57.95	-25.00	32.95	139	84	Horizontal



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Test Band = NR_Band 38_Ant 5TM1

Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4323	45.43	-47.86	29.98	-67.70	-25.00	42.70	195	102	Vertical
2	5154.18	44.38	-47.86	31.87	-66.87	-25.00	41.87	266	212	Vertical
3	7731.27	42.29	-45.12	36.52	-61.56	-25.00	36.56	175	360	Vertical
4	10308.36	38.19	-41.16	38.78	-59.45	-25.00	34.45	183	360	Vertical
5	12885.45	37.40	-39.41	38.67	-58.60	-25.00	33.60	234	25	Vertical
6	15462.54	35.69	-37.76	39.22	-58.11	-25.00	33.11	209	121	Vertical

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4163	45.88	-48.25	29.69	-67.94	-25.00	42.94	158	327	Horizontal
2	5170.5	48.64	-47.87	31.91	-62.58	-25.00	37.58	172	1	Horizontal
3	7728	45.87	-45.13	36.53	-57.99	-25.00	32.99	155	78	Horizontal
4	10308.36	37.92	-41.16	38.78	-59.72	-25.00	34.72	166	200	Horizontal
5	12885.45	37.11	-39.41	38.67	-58.89	-25.00	33.89	298	187	Horizontal
6	15462.54	36.44	-37.76	39.22	-57.36	-25.00	32.36	165	60	Horizontal



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Test Band = NR_Band 38_Ant 5TM1

Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4160	45.74	-48.24	29.69	-68.07	-25.00	43.07	248	204	Vertical
2	5164.18	43.90	-47.87	31.89	-67.33	-25.00	42.33	192	360	Vertical
3	7746.27	41.84	-45.07	36.50	-61.99	-25.00	36.99	163	30	Vertical
4	10328.36	38.32	-41.18	38.80	-59.32	-25.00	34.32	165	126	Vertical
5	12910.45	36.44	-39.43	38.65	-59.59	-25.00	34.59	283	163	Vertical
6	15492.54	35.67	-38.01	39.16	-58.44	-25.00	33.44	149	24	Vertical

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3594.5	46.78	-48.28	28.83	-67.93	-25.00	42.93	174	312	Horizontal
2	5164.18	44.58	-47.87	31.89	-66.65	-25.00	41.65	296	227	Horizontal
3	7746.27	41.91	-45.07	36.50	-61.92	-25.00	36.92	235	244	Horizontal
4	10328.36	38.10	-41.18	38.80	-59.54	-25.00	34.54	186	307	Horizontal
5	12910.45	37.33	-39.43	38.65	-58.70	-25.00	33.70	258	263	Horizontal
6	15492.54	35.62	-38.01	39.16	-58.49	-25.00	33.49	165	351	Horizontal



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Test Band = ENDC 66A_n38A_Ant 2TM1
 Test Channel = Low Channel

Final 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	44.64	-48.40	28.66	-70.36	-25.00	45.36	179	83	Vertical
2	5144.18	43.66	-47.85	31.85	-67.60	-25.00	42.60	234	203	Vertical
3	7716.27	41.55	-45.16	36.54	-62.33	-25.00	37.33	180	299	Vertical
4	10288.36	38.31	-41.26	38.76	-59.45	-25.00	34.45	156	83	Vertical
5	12860.45	36.57	-39.38	38.68	-59.38	-25.00	34.38	201	150	Vertical
6	15432.54	35.96	-37.50	39.28	-57.52	-25.00	32.52	247	125	Vertical

Final 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	44.12	-48.40	28.66	-70.88	-25.00	45.88	171	89	Horizontal
2	5144.18	44.06	-47.85	31.85	-67.20	-25.00	42.20	254	18	Horizontal
3	7716.27	42.07	-45.16	36.54	-61.81	-25.00	36.81	189	185	Horizontal
4	10288.36	38.13	-41.26	38.76	-59.63	-25.00	34.63	236	155	Horizontal
5	12860.45	36.44	-39.38	38.68	-59.51	-25.00	34.51	204	155	Horizontal
6	15432.54	35.59	-37.50	39.28	-57.89	-25.00	32.89	177	72	Horizontal



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Test Band = ENDC 66A_n38A_Ant 2TM1
 Test Channel = Mid Channel

Final 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	45.01	-48.34	28.68	-69.91	-25.00	44.91	237	150	Vertical
2	5154.18	43.41	-47.86	31.87	-67.84	-25.00	42.84	264	60	Vertical
3	7731.27	41.24	-45.12	36.52	-62.61	-25.00	37.61	185	84	Vertical
4	10308.36	38.67	-41.16	38.78	-58.97	-25.00	33.97	196	90	Vertical
5	12885.45	36.72	-39.41	38.67	-59.28	-25.00	34.28	238	54	Vertical
6	15462.54	35.84	-37.76	39.22	-57.96	-25.00	32.96	179	204	Vertical

Final 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	44.61	-48.34	28.68	-70.31	-25.00	45.31	214	78	Horizontal
2	5154.18	43.27	-47.86	31.87	-67.98	-25.00	42.98	165	185	Horizontal
3	7731.27	42.94	-45.12	36.52	-60.91	-25.00	35.91	256	266	Horizontal
4	10308.36	38.42	-41.16	38.78	-59.22	-25.00	34.22	187	152	Horizontal
5	12885.45	37.41	-39.41	38.67	-58.59	-25.00	33.59	229	173	Horizontal
6	15462.54	35.86	-37.76	39.22	-57.94	-25.00	32.94	128	29	Horizontal



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Test Band = ENDC 66A_n38A_Ant 2TM1

Test Channel = High Channel

Final 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	44.61	-48.29	28.71	-70.23	-25.00	45.23	214	54	Vertical
2	5164.18	43.78	-47.87	31.89	-67.45	-25.00	42.45	189	247	Vertical
3	7746.27	41.65	-45.07	36.50	-62.18	-25.00	37.18	253	360	Vertical
4	10328.36	38.19	-41.18	38.80	-59.45	-25.00	34.45	204	136	Vertical
5	12910.45	36.80	-39.43	38.65	-59.23	-25.00	34.23	175	181	Vertical
6	15492.54	34.68	-38.01	39.16	-59.43	-25.00	34.43	221	80	Vertical

Final 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	44.45	-48.29	28.71	-70.39	-25.00	45.39	281	300	Horizontal
2	5164.18	43.68	-47.87	31.89	-67.55	-25.00	42.55	149	198	Horizontal
3	7746.27	42.74	-45.07	36.50	-61.09	-25.00	36.09	231	91	Horizontal
4	10328.36	38.21	-41.18	38.80	-59.43	-25.00	34.43	166	222	Horizontal
5	12910.45	38.00	-39.43	38.65	-58.03	-25.00	33.03	284	324	Horizontal
6	15492.54	34.56	-38.01	39.16	-59.55	-25.00	34.55	145	174	Horizontal



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Test Band = ENDC 66A_n38A_Ant 3TM1

Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	14817	37.38	-36.94	40.25	-54.57	-25.00	29.57	247	113	Vertical
2	3404.18	44.26	-48.40	28.66	-70.74	-25.00	45.74	156	1	Vertical
3	5144.18	43.27	-47.85	31.85	-67.99	-25.00	42.99	293	36	Vertical
4	7716.27	41.78	-45.16	36.54	-62.10	-25.00	37.10	184	60	Vertical
5	10288.36	37.98	-41.26	38.76	-59.78	-25.00	34.78	275	328	Vertical
6	11914.63	36.58	-39.90	39.22	-59.37	-25.00	34.37	144	72	Vertical

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	14768	36.81	-36.80	40.29	-54.96	-25.00	29.96	258	42	Horizontal
2	3404.18	44.69	-48.40	28.66	-70.31	-25.00	45.31	174	162	Horizontal
3	5144.18	43.78	-47.85	31.85	-67.48	-25.00	42.48	196	18	Horizontal
4	7716.27	41.18	-45.16	36.54	-62.70	-25.00	37.70	238	48	Horizontal
5	10288.36	38.50	-41.26	38.76	-59.26	-25.00	34.26	144	286	Horizontal
6	11914.63	36.04	-39.90	39.22	-59.91	-25.00	34.91	150	239	Horizontal



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Test Band = ENDC 66A_n38A_ Ant 3TM1

Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	17979	36.10	-36.57	45.17	-50.56	-25.00	25.56	287	292	Vertical
2	3454.18	44.32	-48.34	28.68	-70.60	-25.00	45.60	196	12	Vertical
3	5154.18	43.85	-47.86	31.87	-67.40	-25.00	42.40	263	234	Vertical
4	7731.27	41.43	-45.12	36.52	-62.42	-25.00	37.42	284	126	Vertical
5	10308.36	37.63	-41.16	38.78	-60.01	-25.00	35.01	146	360	Vertical
6	12089.63	36.64	-39.61	39.15	-59.08	-25.00	34.08	153	240	Vertical

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	14700.5	36.67	-36.68	40.34	-54.93	-25.00	29.93	139	246	Horizontal
2	3454.18	45.03	-48.34	28.68	-69.89	-25.00	44.89	274	209	Horizontal
3	5154.18	43.70	-47.86	31.87	-67.55	-25.00	42.55	185	317	Horizontal
4	7731.27	42.15	-45.12	36.52	-61.70	-25.00	36.70	146	90	Horizontal
5	10308.36	37.66	-41.16	38.78	-59.98	-25.00	34.98	255	252	Horizontal
6	12089.63	36.47	-39.61	39.15	-59.25	-25.00	34.25	143	41	Horizontal



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Test Band = ENDC 66A_n38A_Ant 3TM1

Test Channel = High Channel

Final 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	44.60	-48.29	28.71	-70.24	-25.00	45.24	281	281	Vertical
2	5164.18	43.35	-47.87	31.89	-67.88	-25.00	42.88	275	180	Vertical
3	7746.27	41.28	-45.07	36.50	-62.55	-25.00	37.55	169	108	Vertical
4	10328.36	37.35	-41.18	38.80	-60.29	-25.00	35.29	302	138	Vertical
5	12910.45	36.65	-39.43	38.65	-59.38	-25.00	34.38	146	18	Vertical
6	15492.54	34.50	-38.01	39.16	-59.61	-25.00	34.61	247	138	Vertical

Final 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	44.52	-48.29	28.71	-70.32	-25.00	45.32	201	73	Horizontal
2	5164.18	44.42	-47.87	31.89	-66.81	-25.00	41.81	189	348	Horizontal
3	7746.27	41.89	-45.07	36.50	-61.94	-25.00	36.94	293	359	Horizontal
4	10328.36	37.85	-41.18	38.80	-59.79	-25.00	34.79	274	103	Horizontal
5	12910.45	36.87	-39.43	38.65	-59.16	-25.00	34.16	155	191	Horizontal
6	15492.54	34.90	-38.01	39.16	-59.21	-25.00	34.21	146	66	Horizontal



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Test Band = ENDC 66A_n38A_ Ant 4TM1

Test Channel = Low Channel

Final 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	44.47	-48.40	28.66	-70.53	-25.00	45.53	217	228	Vertical
2	5106.27	43.27	-47.82	31.76	-68.06	-25.00	43.06	193	248	Vertical
3	6808.36	43.19	-46.88	35.18	-63.77	-25.00	38.77	167	324	Vertical
4	10288.36	38.23	-41.26	38.76	-59.53	-25.00	34.53	185	6	Vertical
5	12860.45	37.01	-39.38	38.68	-58.94	-25.00	33.94	144	242	Vertical
6	15432.54	35.43	-37.50	39.28	-58.05	-25.00	33.05	203	242	Vertical

Final 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	44.12	-48.40	28.66	-70.88	-25.00	45.88	181	29	Horizontal
2	5106.27	43.51	-47.82	31.76	-67.82	-25.00	42.82	240	209	Horizontal
3	6808.36	42.93	-46.88	35.18	-64.03	-25.00	39.03	163	264	Horizontal
4	10288.36	38.77	-41.26	38.76	-58.99	-25.00	33.99	296	305	Horizontal
5	12860.45	37.46	-39.38	38.68	-58.49	-25.00	33.49	255	299	Horizontal
6	15432.54	35.31	-37.50	39.28	-58.17	-25.00	33.17	145	84	Horizontal



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Test Band = ENDC 66A_n38A_Ant 4TM1

Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7728	48.45	-45.13	36.53	-55.41	-25.00	30.41	241	60	Vertical
2	3454.18	44.95	-48.34	28.68	-69.97	-25.00	44.97	209	48	Vertical
3	5154.18	43.33	-47.86	31.87	-67.92	-25.00	42.92	163	157	Vertical
4	10308.36	37.96	-41.16	38.78	-59.68	-25.00	34.68	238	360	Vertical
5	12885.45	36.42	-39.41	38.67	-59.58	-25.00	34.58	165	127	Vertical
6	15462.54	35.56	-37.76	39.22	-58.24	-25.00	33.24	244	271	Vertical

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7728	49.28	-45.13	36.53	-54.58	-25.00	29.58	295	341	Horizontal
2	3454.18	45.10	-48.34	28.68	-69.82	-25.00	44.82	283	234	Horizontal
3	5154.18	43.65	-47.86	31.87	-67.60	-25.00	42.60	266	108	Horizontal
4	10308.36	38.57	-41.16	38.78	-59.07	-25.00	34.07	142	360	Horizontal
5	12885.45	36.82	-39.41	38.67	-59.18	-25.00	34.18	175	240	Horizontal
6	15462.54	35.98	-37.76	39.22	-57.82	-25.00	32.82	162	161	Horizontal



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Test Band = ENDC 66A_n38A_Ant 4TM1
Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7743.5	49.05	-45.08	36.51	-54.78	-25.00	29.78	219	31	Vertical
2	3504.18	43.94	-48.29	28.71	-70.90	-25.00	45.90	138	88	Vertical
3	5164.18	43.96	-47.87	31.89	-67.27	-25.00	42.27	175	283	Vertical
4	10328.36	38.60	-41.18	38.80	-59.04	-25.00	34.04	146	175	Vertical
5	12910.45	36.63	-39.43	38.65	-59.40	-25.00	34.40	228	359	Vertical
6	15492.54	35.12	-38.01	39.16	-58.99	-25.00	33.99	143	31	Vertical

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7743.5	49.93	-45.08	36.51	-53.90	-25.00	28.90	298	29	Horizontal
2	3504.18	44.56	-48.29	28.71	-70.28	-25.00	45.28	175	148	Horizontal
3	5164.18	44.11	-47.87	31.89	-67.12	-25.00	42.12	266	155	Horizontal
4	10328.36	37.97	-41.18	38.80	-59.67	-25.00	34.67	253	216	Horizontal
5	12910.45	36.43	-39.43	38.65	-59.60	-25.00	34.60	147	198	Horizontal
6	15492.54	35.01	-38.01	39.16	-59.10	-25.00	34.10	185	311	Horizontal



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Test Band = ENDC 66A_n38A_Ant 5TM1

Test Channel = Low Channel

Final 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	44.52	-48.40	28.66	-70.48	-25.00	45.48	147	55	Vertical
2	5144.18	44.24	-47.85	31.85	-67.02	-25.00	42.02	256	204	Vertical
3	7716.27	41.81	-45.16	36.54	-62.07	-25.00	37.07	193	1	Vertical
4	10288.36	38.75	-41.26	38.76	-59.01	-25.00	34.01	221	90	Vertical
5	12860.45	37.28	-39.38	38.68	-58.67	-25.00	33.67	145	37	Vertical
6	15432.54	35.64	-37.50	39.28	-57.84	-25.00	32.84	125	13	Vertical

Final 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	44.86	-48.40	28.66	-70.14	-25.00	45.14	213	24	Horizontal
2	5144.18	45.32	-47.85	31.85	-65.94	-25.00	40.94	166	115	Horizontal
3	7716.27	42.84	-45.16	36.54	-61.04	-25.00	36.04	243	42	Horizontal
4	10288.36	38.34	-41.26	38.76	-59.42	-25.00	34.42	146	241	Horizontal
5	12860.45	36.42	-39.38	38.68	-59.53	-25.00	34.53	284	359	Horizontal
6	15432.54	35.39	-37.50	39.28	-58.09	-25.00	33.09	129	72	Horizontal



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Test Band = ENDC 66A_n38A_ Ant 5TM1

Test Channel = Mid Channel

Final 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	45.84	-48.34	28.68	-69.08	-25.00	44.08	195	59	Vertical
2	5154.18	43.88	-47.86	31.87	-67.37	-25.00	42.37	186	210	Vertical
3	7731.27	42.05	-45.12	36.52	-61.80	-25.00	36.80	234	210	Vertical
4	10308.36	38.47	-41.16	38.78	-59.17	-25.00	34.17	172	210	Vertical
5	12885.45	36.61	-39.41	38.67	-59.39	-25.00	34.39	155	302	Vertical
6	15462.54	36.33	-37.76	39.22	-57.47	-25.00	32.47	168	354	Vertical

Final 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	44.86	-48.34	28.68	-70.06	-25.00	45.06	201	78	Horizontal
2	5154.18	43.91	-47.86	31.87	-67.34	-25.00	42.34	146	72	Horizontal
3	7731.27	41.85	-45.12	36.52	-62.00	-25.00	37.00	235	6	Horizontal
4	10308.36	38.38	-41.16	38.78	-59.26	-25.00	34.26	288	30	Horizontal
5	12885.45	37.17	-39.41	38.67	-58.83	-25.00	33.83	169	24	Horizontal
6	15462.54	36.62	-37.76	39.22	-57.18	-25.00	32.18	238	53	Horizontal



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Test Band = ENDC 66A_n38A_Ant 5TM1

Test Channel = High Channel

Final 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	44.53	-48.29	28.71	-70.31	-25.00	45.31	123	25	Vertical
2	5164.18	45.29	-47.87	31.89	-65.94	-25.00	40.94	294	187	Vertical
3	7746.27	42.44	-45.07	36.50	-61.39	-25.00	36.39	176	360	Vertical
4	10328.36	38.43	-41.18	38.80	-59.21	-25.00	34.21	233	181	Vertical
5	12910.45	36.84	-39.43	38.65	-59.19	-25.00	34.19	217	230	Vertical
6	15492.54	35.51	-38.01	39.16	-58.60	-25.00	33.60	124	151	Vertical

Final 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	44.20	-48.29	28.71	-70.64	-25.00	45.64	196	170	Horizontal
2	5164.18	43.88	-47.87	31.89	-67.35	-25.00	42.35	236	255	Horizontal
3	7746.27	42.12	-45.07	36.50	-61.71	-25.00	36.71	248	255	Horizontal
4	10328.36	38.22	-41.18	38.80	-59.42	-25.00	34.42	177	37	Horizontal
5	12910.45	36.57	-39.43	38.65	-59.46	-25.00	34.46	189	272	Horizontal
6	15492.54	35.02	-38.01	39.16	-59.09	-25.00	34.09	246	25	Horizontal

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) - Pre-amplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N38	30	40	DFT-PI2BPSK	M	Outer_Full	VH	NT	1.600000	0.000568	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	VN	NT	-6.100000	-0.006584	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	VL	NT	-6.500000	-0.003686	PASS
N38	30	40	CP-QPSK	M	Outer_Full	VH	NT	7.800000	0.002567	PASS
N38	30	40	CP-QPSK	M	Outer_Full	VN	NT	4.900000	0.002354	PASS
N38	30	40	CP-QPSK	M	Outer_Full	VL	NT	-4.800000	-0.002574	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	6.200000	0.003657	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	-20	-1.200000	-0.000675	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	-10	8.200000	0.003562	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	0	-1.200000	-0.000357	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	10	-8.200000	-0.003684	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	20	-1.600000	-0.000652	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	30	0.600000	0.000236	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	40	-1.500000	-0.000856	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	50	4.600000	0.001457	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	-30	8.400000	0.006354	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	-20	0.800000	0.000063	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	-10	5.200000	0.002235	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	0	10.500000	0.004365	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	10	8.700000	0.003594	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	20	2.200000	0.000867	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	30	8.200000	0.006354	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	40	0.700000	0.000635	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	50	8.900000	0.002357	PASS

---End of Attachment---



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