

Report No.: SEWM2306000194RG02

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Appendix B.26

NR Band n38_15k



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Effective (Isotropic) Radiated Power Output Data for SA

Test Result

Ant31:

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	EIRP (dBm)	Limit	Verdict
N38	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	23.04	25.34	33.00	PASS
N38	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	23.23	25.53	33.00	PASS
N38	15	5	DFT-PI2BPSK	L	Outer_Full	22.75	25.05	33.00	PASS
N38	15	5	DFT-QPSK	L	Inner_1RB_Left	17.25	19.55	33.00	PASS
N38	15	5	DFT-QPSK	L	Inner_1RB_Right	23.03	25.33	33.00	PASS
N38	15	5	DFT-QPSK	L	Outer_Full	22.27	24.57	33.00	PASS
N38	15	5	DFT-16QAM	L	Inner_1RB_Left	22.45	24.75	33.00	PASS
N38	15	5	DFT-16QAM	L	Inner_1RB_Right	22.35	24.65	33.00	PASS
N38	15	5	DFT-16QAM	L	Outer_Full	21.02	23.32	33.00	PASS
N38	15	5	DFT-64QAM	L	Inner_1RB_Left	20.49	22.79	33.00	PASS
N38	15	5	DFT-64QAM	L	Inner_1RB_Right	20.50	22.80	33.00	PASS
N38	15	5	DFT-64QAM	L	Outer_Full	20.67	22.97	33.00	PASS
N38	15	5	DFT-256QAM	L	Inner_1RB_Left	18.46	20.76	33.00	PASS
N38	15	5	DFT-256QAM	L	Inner_1RB_Right	18.61	20.91	33.00	PASS
N38	15	5	DFT-256QAM	L	Outer_Full	18.74	21.04	33.00	PASS
N38	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	22.97	25.27	33.00	PASS
N38	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	22.93	25.23	33.00	PASS
N38	15	5	DFT-PI2BPSK	M	Outer_Full	22.65	24.95	33.00	PASS
N38	15	5	DFT-QPSK	M	Inner_1RB_Left	22.85	25.15	33.00	PASS
N38	15	5	DFT-QPSK	M	Inner_1RB_Right	23.06	25.36	33.00	PASS
N38	15	5	DFT-QPSK	M	Outer_Full	22.00	24.30	33.00	PASS
N38	15	5	DFT-16QAM	M	Inner_1RB_Left	21.87	24.17	33.00	PASS
N38	15	5	DFT-16QAM	M	Inner_1RB_Right	21.99	24.29	33.00	PASS
N38	15	5	DFT-16QAM	M	Outer_Full	21.35	23.65	33.00	PASS
N38	15	5	DFT-64QAM	M	Inner_1RB_Left	20.23	22.53	33.00	PASS
N38	15	5	DFT-64QAM	M	Inner_1RB_Right	20.51	22.81	33.00	PASS
N38	15	5	DFT-64QAM	M	Outer_Full	20.71	23.01	33.00	PASS
N38	15	5	DFT-256QAM	M	Inner_1RB_Left	18.23	20.53	33.00	PASS
N38	15	5	DFT-256QAM	M	Inner_1RB_Right	18.71	21.01	33.00	PASS
N38	15	5	DFT-256QAM	M	Outer_Full	18.67	20.97	33.00	PASS



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N38	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	23.02	25.32	33.00	PASS
N38	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	23.32	25.62	33.00	PASS
N38	15	5	DFT-PI2BPSK	H	Outer_Full	22.89	25.19	33.00	PASS
N38	15	5	DFT-QPSK	H	Inner_1RB_Left	23.04	25.34	33.00	PASS
N38	15	5	DFT-QPSK	H	Inner_1RB_Right	23.29	25.59	33.00	PASS
N38	15	5	DFT-QPSK	H	Outer_Full	22.11	24.41	33.00	PASS
N38	15	5	DFT-16QAM	H	Inner_1RB_Left	22.64	24.94	33.00	PASS
N38	15	5	DFT-16QAM	H	Inner_1RB_Right	22.71	25.01	33.00	PASS
N38	15	5	DFT-16QAM	H	Outer_Full	21.46	23.76	33.00	PASS
N38	15	5	DFT-64QAM	H	Inner_1RB_Left	20.39	22.69	33.00	PASS
N38	15	5	DFT-64QAM	H	Inner_1RB_Right	20.52	22.82	33.00	PASS
N38	15	5	DFT-64QAM	H	Outer_Full	20.86	23.16	33.00	PASS
N38	15	5	DFT-256QAM	H	Inner_1RB_Left	18.76	21.06	33.00	PASS
N38	15	5	DFT-256QAM	H	Inner_1RB_Right	18.62	20.92	33.00	PASS
N38	15	5	DFT-256QAM	H	Outer_Full	18.74	21.04	33.00	PASS



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Peak-to-Average Ratio for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	DutyCycle	Factor	Result	Limit	Verdict
N38	15	5	DFT-256QAM	L	Outer_Full	19.4%	7.12	0.73	≤13	PASS
N38	15	5	CP-256QAM	L	Outer_Full	19.4%	7.12	2.44	≤13	PASS
N38	15	5	DFT-256QAM	M	Outer_Full	19.4%	7.12	0.83	≤13	PASS
N38	15	5	CP-256QAM	M	Outer_Full	19.4%	7.12	2.50	≤13	PASS
N38	15	5	DFT-256QAM	H	Outer_Full	19.4%	7.12	1.13	≤13	PASS
N38	15	5	CP-256QAM	H	Outer_Full	19.4%	7.12	2.24	≤13	PASS

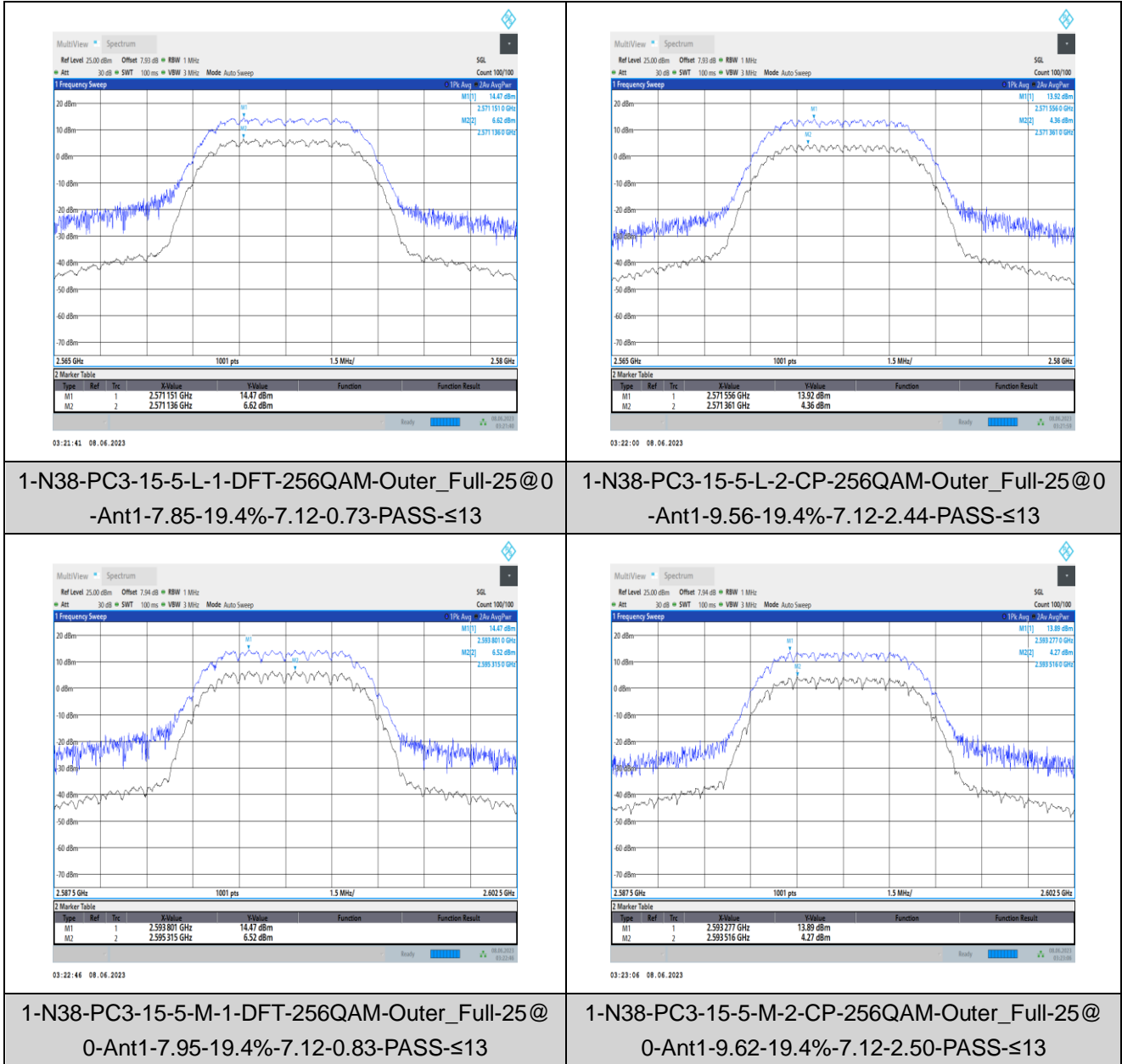


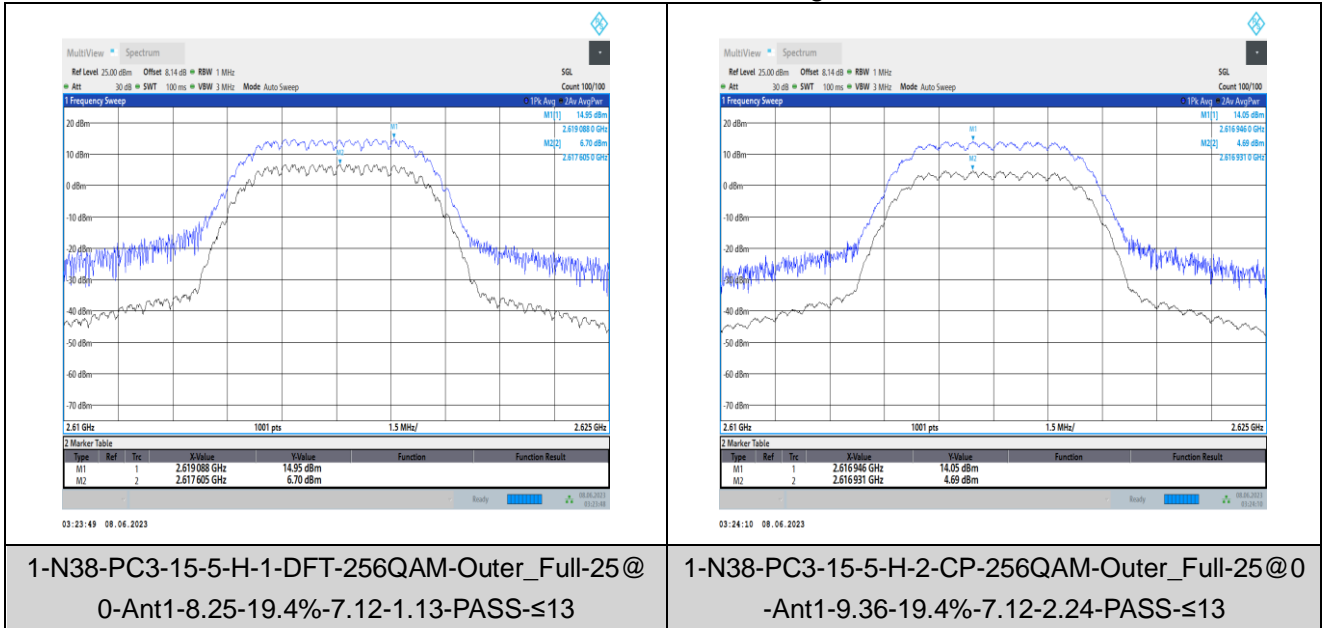
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Test Graphs





1-N38-PC3-15-5-H-1-DFT-256QAM-Outer_Full-25@0-Ant1-8.25-19.4%-7.12-1.13-PASS-≤13

1-N38-PC3-15-5-H-2-CP-256QAM-Outer_Full-25@0-Ant1-9.36-19.4%-7.12-2.24-PASS-≤13



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Modulation characteristics for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N38	15	5	DFT-PI2BPSK	M	Outer_Full	see graph	PASS
N38	15	5	DFT-QPSK	M	Outer_Full	see graph	PASS
N38	15	5	DFT-16QAM	M	Outer_Full	see graph	PASS
N38	15	5	DFT-64QAM	M	Outer_Full	see graph	PASS
N38	15	5	DFT-256QAM	M	Outer_Full	see graph	PASS
N38	15	5	CP-QPSK	M	Outer_Full	see graph	PASS
N38	15	5	CP-16QAM	M	Outer_Full	see graph	PASS
N38	15	5	CP-64QAM	M	Outer_Full	see graph	PASS
N38	15	5	CP-256QAM	M	Outer_Full	see graph	PASS

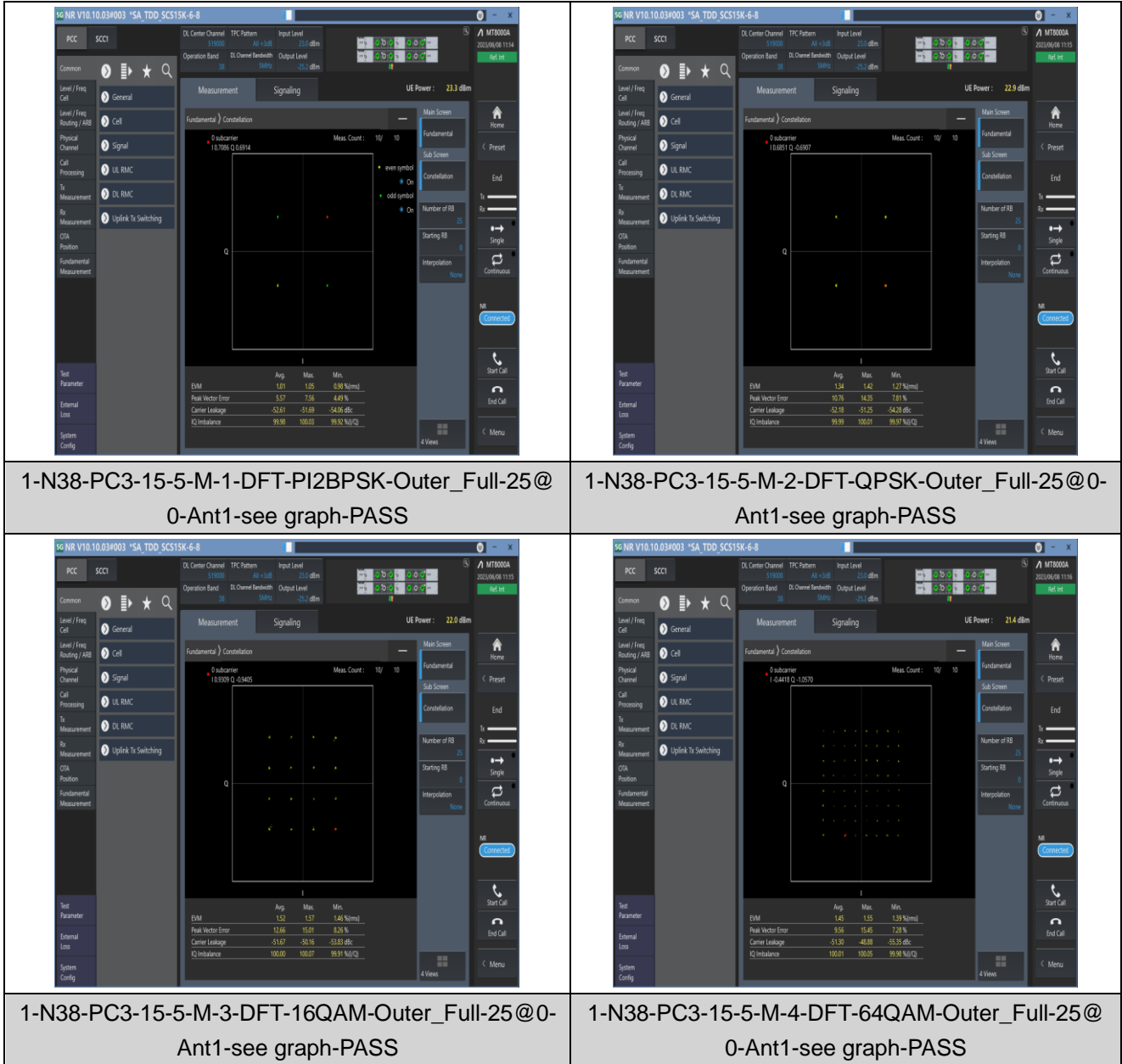


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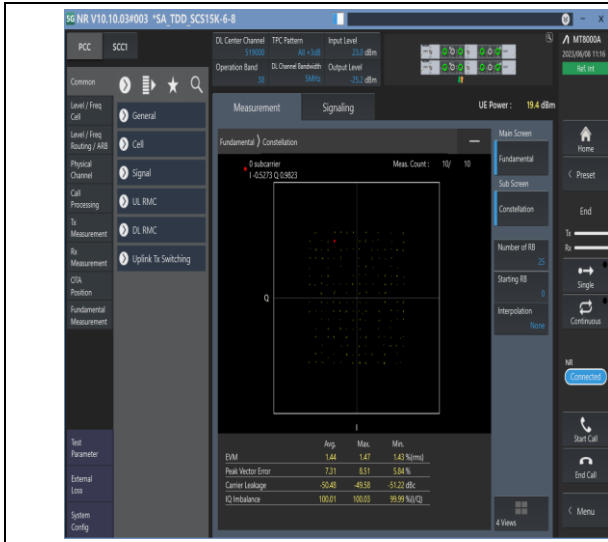
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Test Graphs

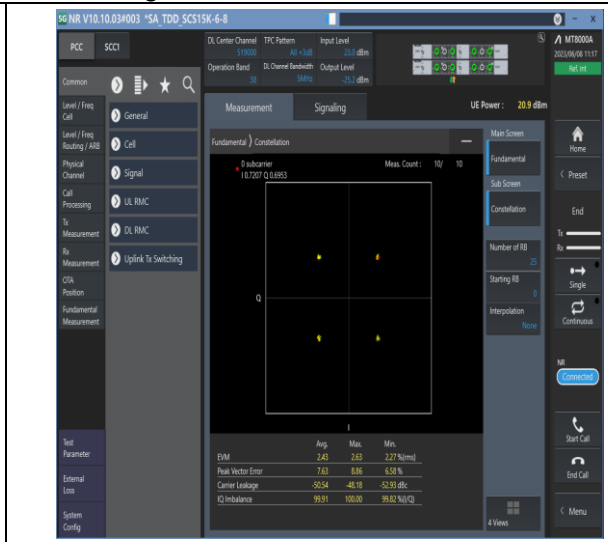


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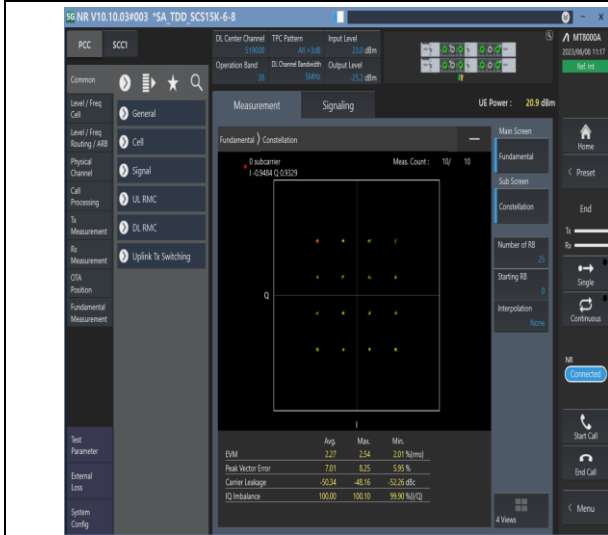
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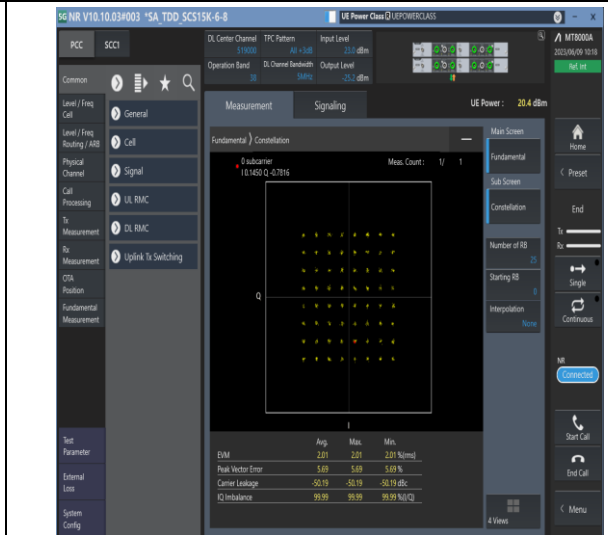
1-N38-PC3-15-5-M-5-DFT-256QAM-Outer_Full-25@0-Ant1-see graph-PASS



1-N38-PC3-15-5-M-6-CP-QPSK-Outer_Full-25@0-Ant1-see graph-PASS



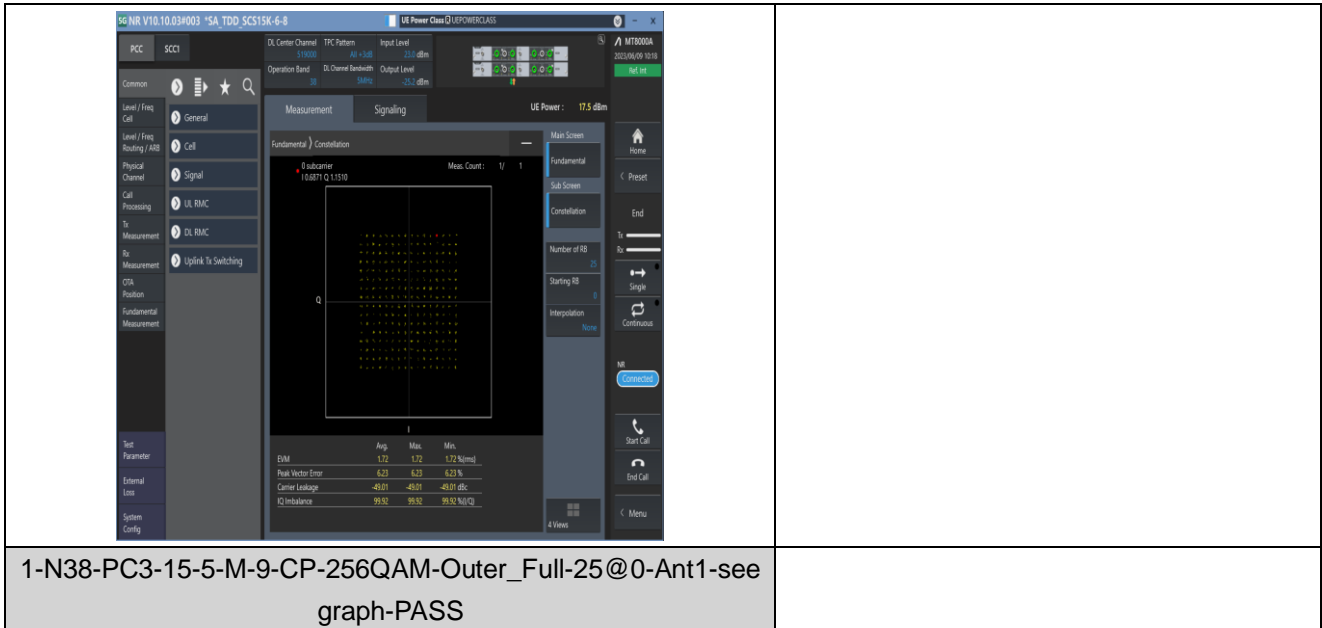
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1-N38-PC3-15-5-M-8-CP-64QAM-Outer_Full-25@0-Ant1-see graph-PASS



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1-N38-PC3-15-5-M-9-CP-256QAM-Outer_Full-25@0-Ant1-see graph-PASS



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26dB Bandwidth and Occupied Bandwidth for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N38	15	5	DFT-QPSK	L	Outer_Full	4.47	4.850	PASS
N38	15	5	DFT-PI2BPSK	L	Outer_Full	4.465	4.820	PASS
N38	15	5	DFT-16QAM	L	Outer_Full	4.479	4.890	PASS
N38	15	5	DFT-64QAM	L	Outer_Full	4.459	4.830	PASS
N38	15	5	DFT-256QAM	L	Outer_Full	4.475	4.920	PASS
N38	15	5	CP-QPSK	L	Outer_Full	4.47	4.820	PASS
N38	15	5	CP-16QAM	L	Outer_Full	4.466	4.890	PASS
N38	15	5	CP-64QAM	L	Outer_Full	4.464	4.890	PASS
N38	15	5	CP-256QAM	L	Outer_Full	4.467	4.890	PASS
N38	15	5	DFT-QPSK	M	Outer_Full	4.475	4.860	PASS
N38	15	5	DFT-PI2BPSK	M	Outer_Full	4.461	4.970	PASS
N38	15	5	DFT-16QAM	M	Outer_Full	4.474	4.900	PASS
N38	15	5	DFT-64QAM	M	Outer_Full	4.473	4.830	PASS
N38	15	5	DFT-256QAM	M	Outer_Full	4.486	4.880	PASS
N38	15	5	CP-QPSK	M	Outer_Full	4.473	4.900	PASS
N38	15	5	CP-16QAM	M	Outer_Full	4.465	4.900	PASS
N38	15	5	CP-64QAM	M	Outer_Full	4.464	4.830	PASS
N38	15	5	CP-256QAM	M	Outer_Full	4.465	4.900	PASS
N38	15	5	DFT-QPSK	H	Outer_Full	4.465	4.840	PASS
N38	15	5	DFT-PI2BPSK	H	Outer_Full	4.466	4.850	PASS
N38	15	5	DFT-16QAM	H	Outer_Full	4.468	4.960	PASS
N38	15	5	DFT-64QAM	H	Outer_Full	4.47	4.810	PASS
N38	15	5	DFT-256QAM	H	Outer_Full	4.474	4.800	PASS
N38	15	5	CP-QPSK	H	Outer_Full	4.467	4.900	PASS
N38	15	5	CP-16QAM	H	Outer_Full	4.478	4.970	PASS
N38	15	5	CP-64QAM	H	Outer_Full	4.469	4.890	PASS
N38	15	5	CP-256QAM	H	Outer_Full	4.464	4.900	PASS



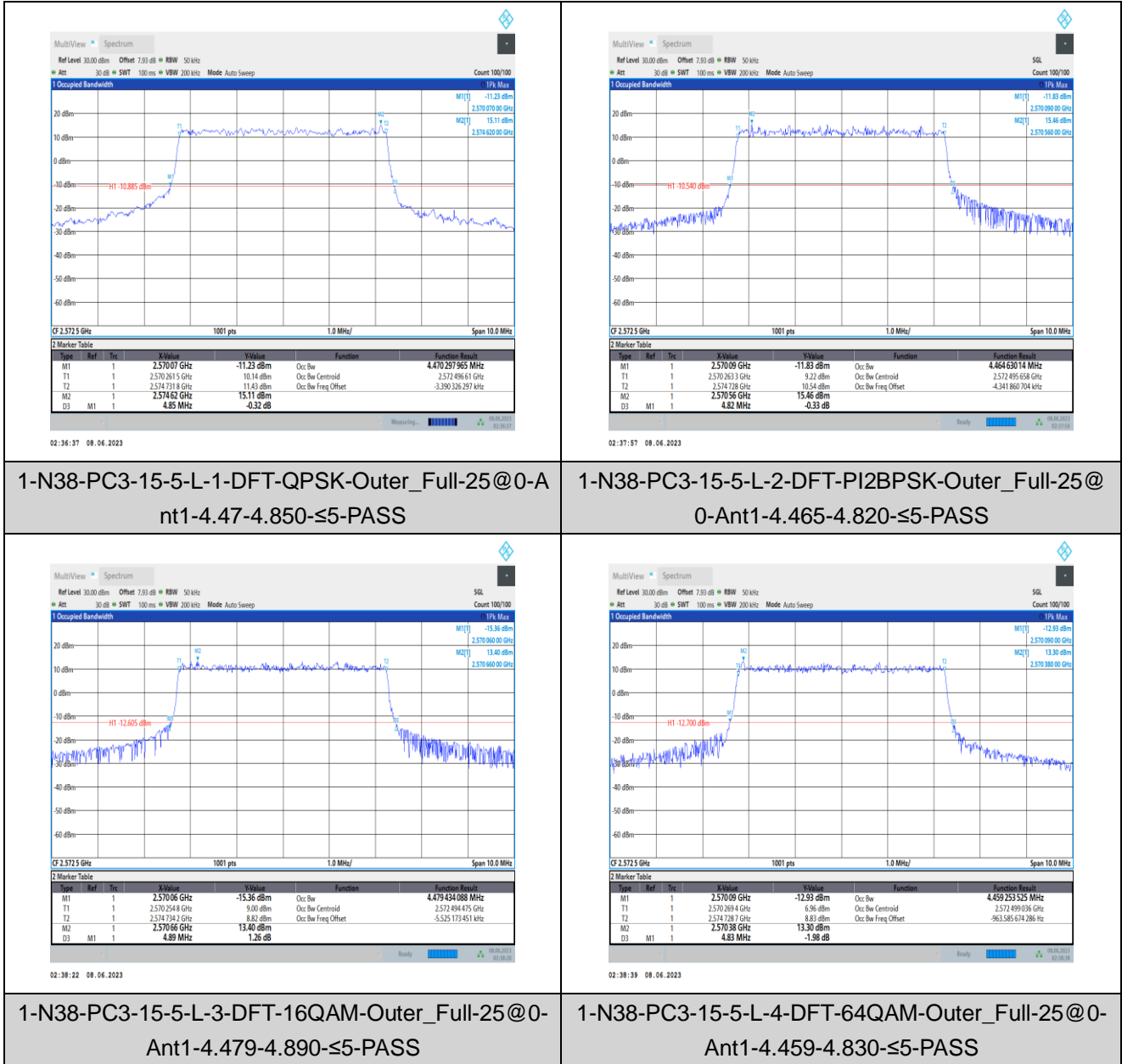
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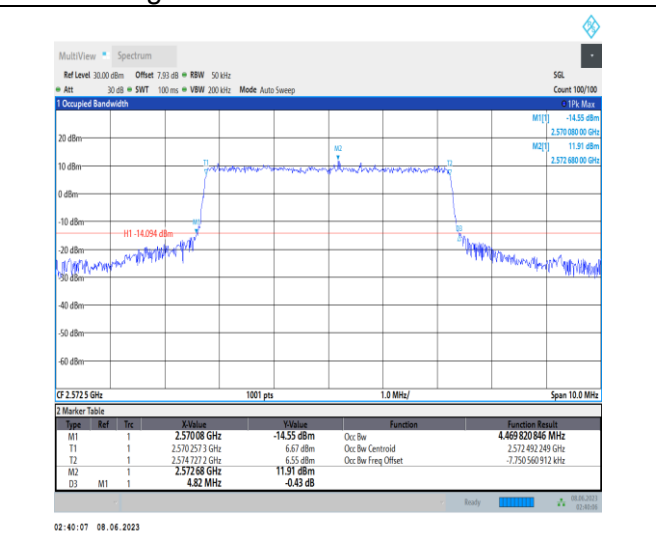
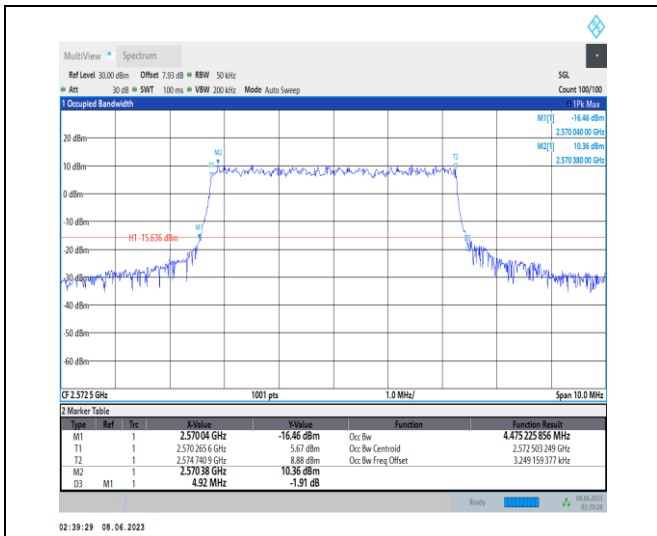
Test Graphs



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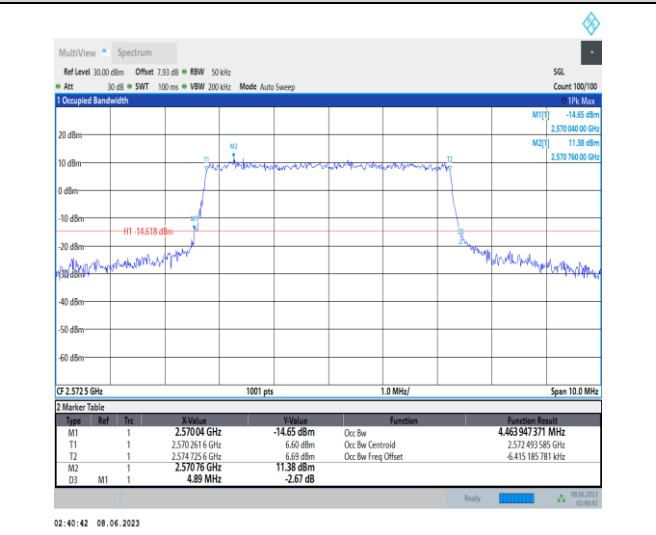
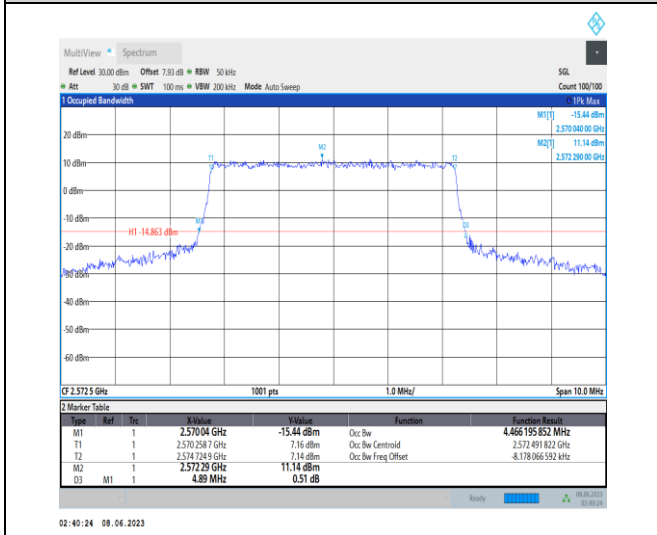
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1-N38-PC3-15-5-L-5-DFT-256QAM-Outer_Full-25@0-Ant1-4.475-4.920-≤5-PASS

1-N38-PC3-15-5-L-6-CP-QPSK-Outer_Full-25@0-An t1-4.47-4.820-≤5-PASS



1-N38-PC3-15-5-L-7-CP-16QAM-Outer_Full-25@0-Ant1-4.466-4.890-≤5-PASS

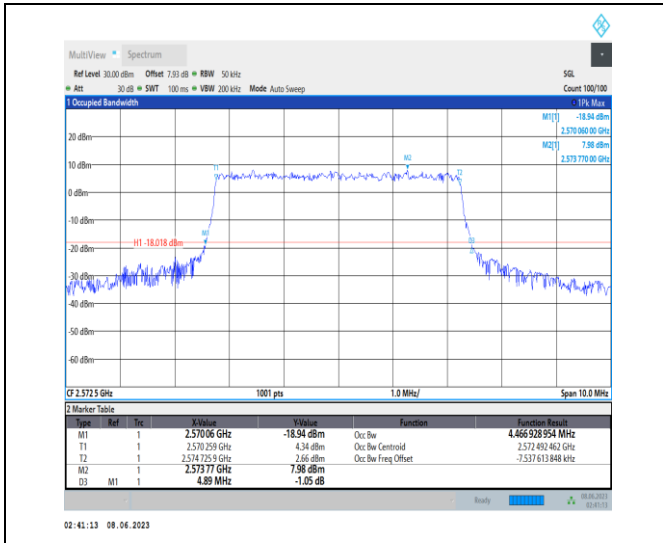
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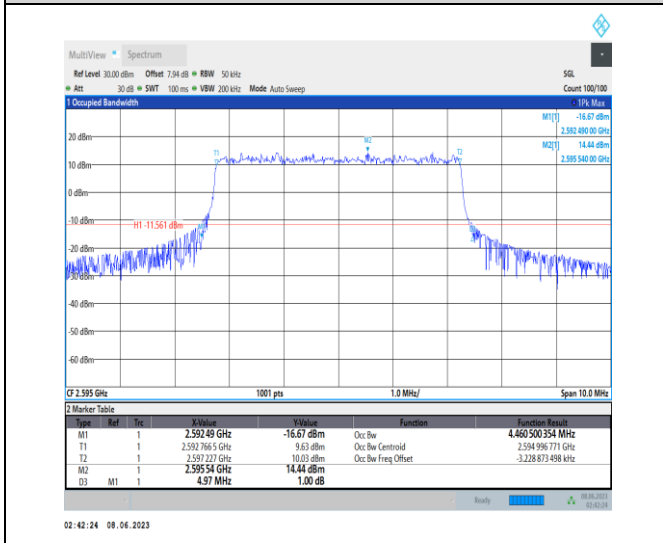
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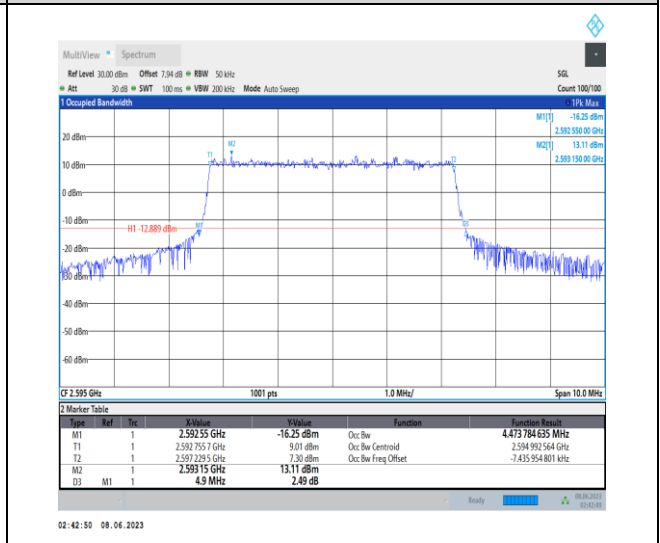
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1-N38-PC3-15-5-M-1-DFT-QPSK-Outer_Full-25@0-Ant1-4.475-4.860-≤5-PASS



1-N38-PC3-15-5-M-2-DFT-PI2BPSK-Outer_Full-25@0-Ant1-4.461-4.970-≤5-PASS



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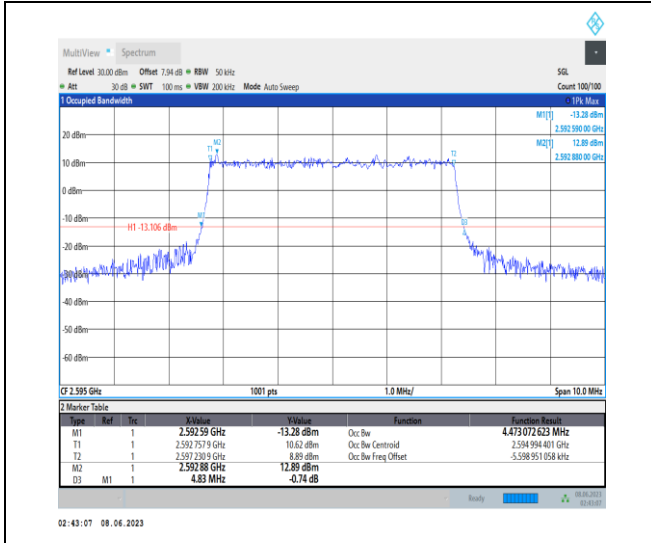


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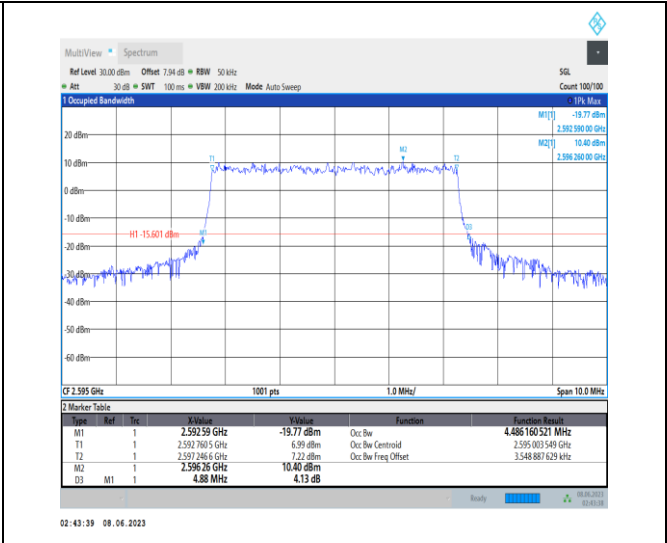
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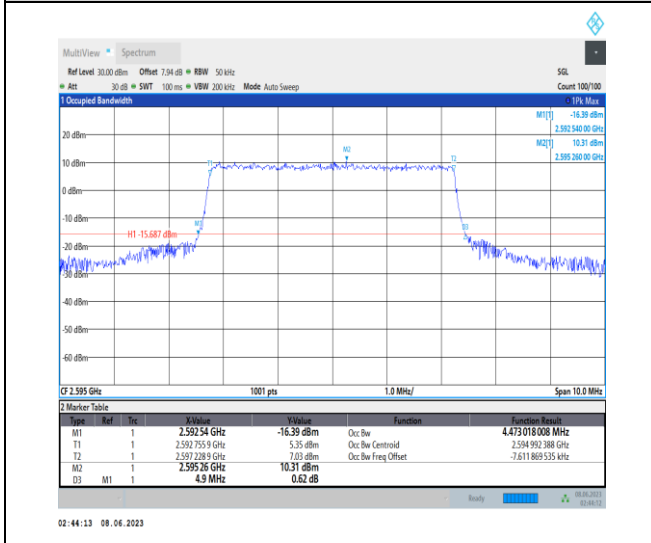
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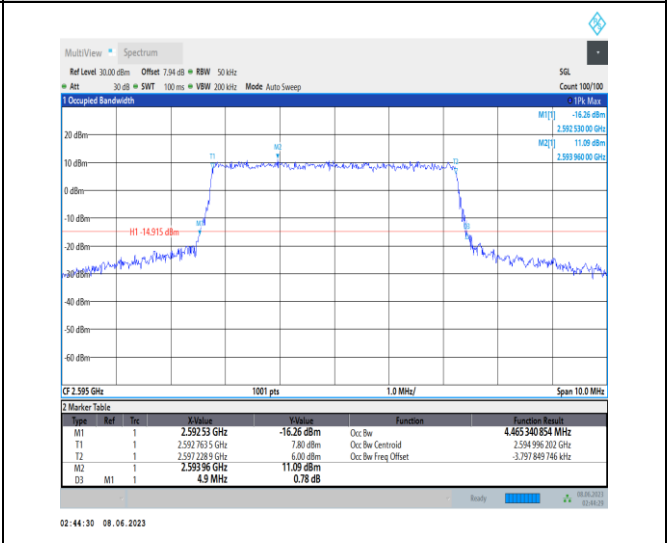
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1-N38-PC3-15-5-M-5-DFT-256QAM-Outer_Full-25@0-Ant1-4.486-4.880-≤5-PASS



1-N38-PC3-15-5-M-6-CP-QPSK-Outer_Full-25@0-Ant1-4.473-4.900-≤5-PASS



1-N38-PC3-15-5-M-7-CP-16QAM-Outer_Full-25@0-Ant1-4.465-4.900-≤5-PASS

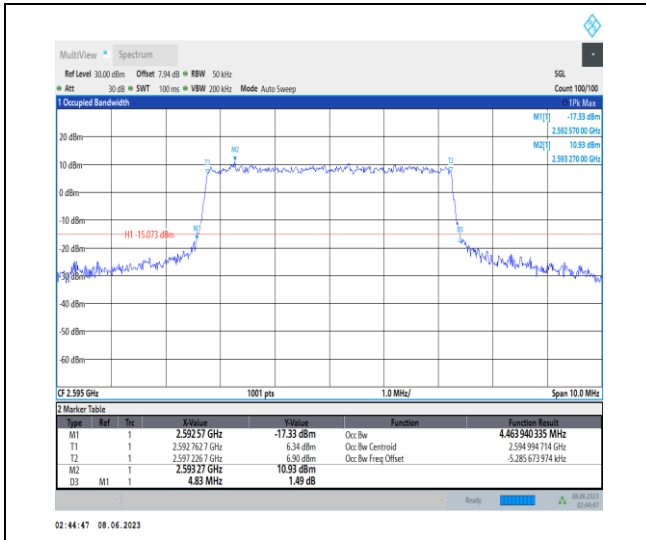


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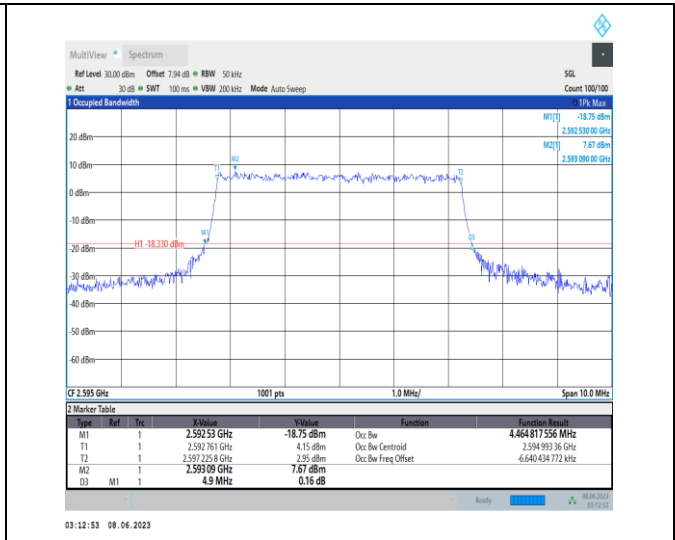
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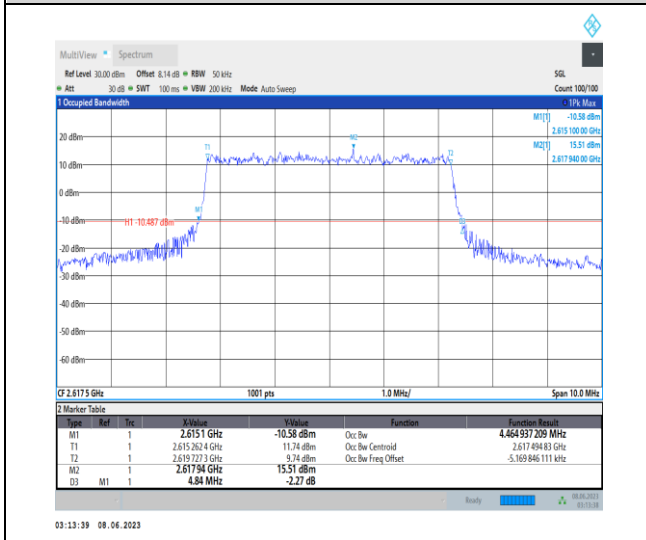
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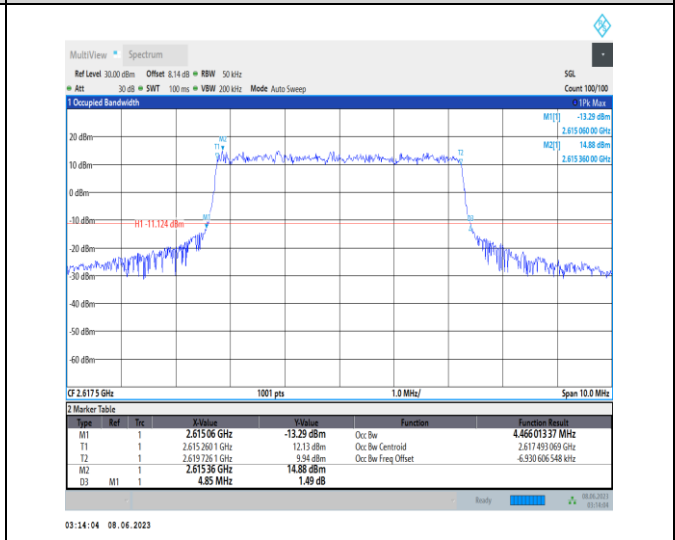
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1-N38-PC3-15-5-M-9-CP-256QAM-Outer_Full-25@0-
Ant1-4.465-4.900-≤5-PASS



1-N38-PC3-15-5-H-1-DFT-QPSK-Outer_Full-25@0-
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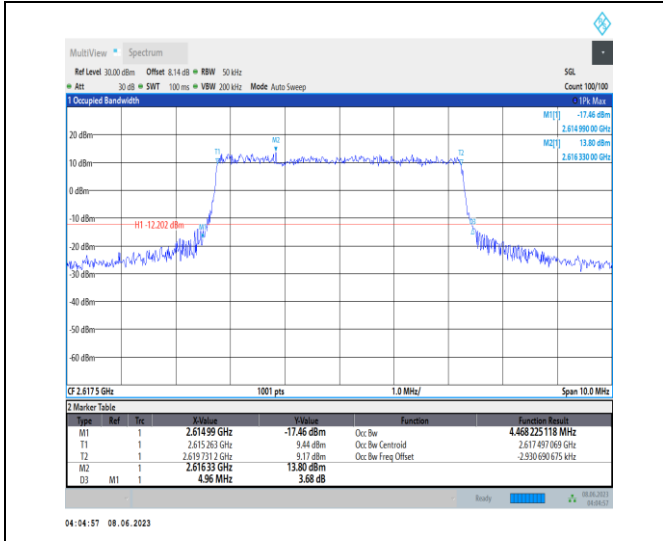


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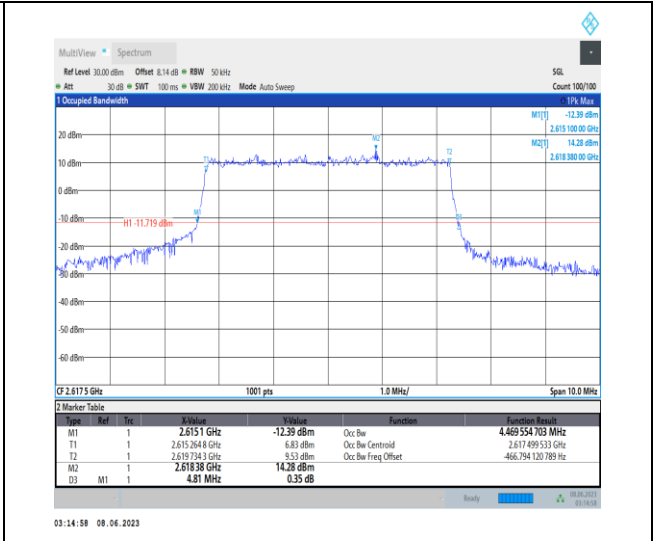
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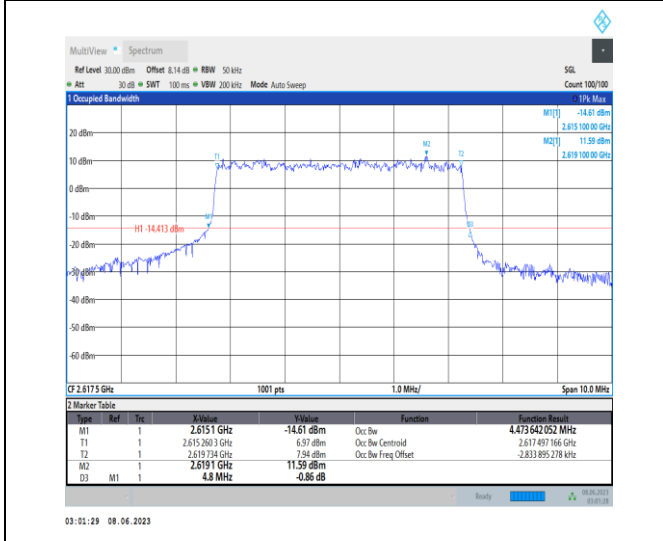
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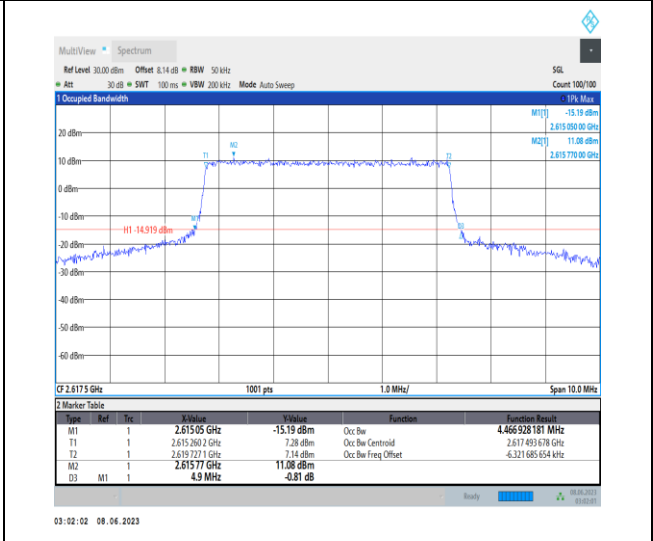
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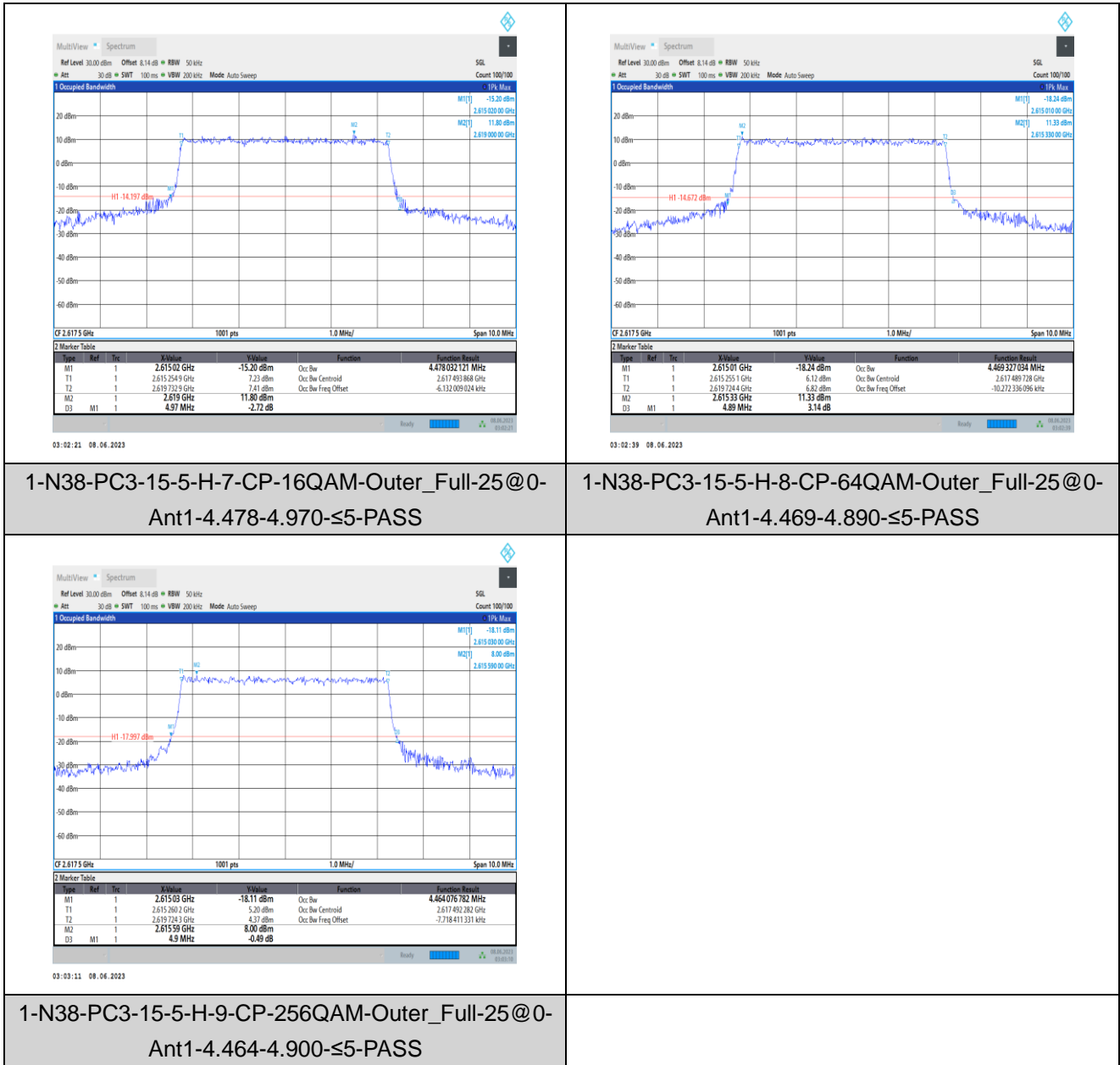


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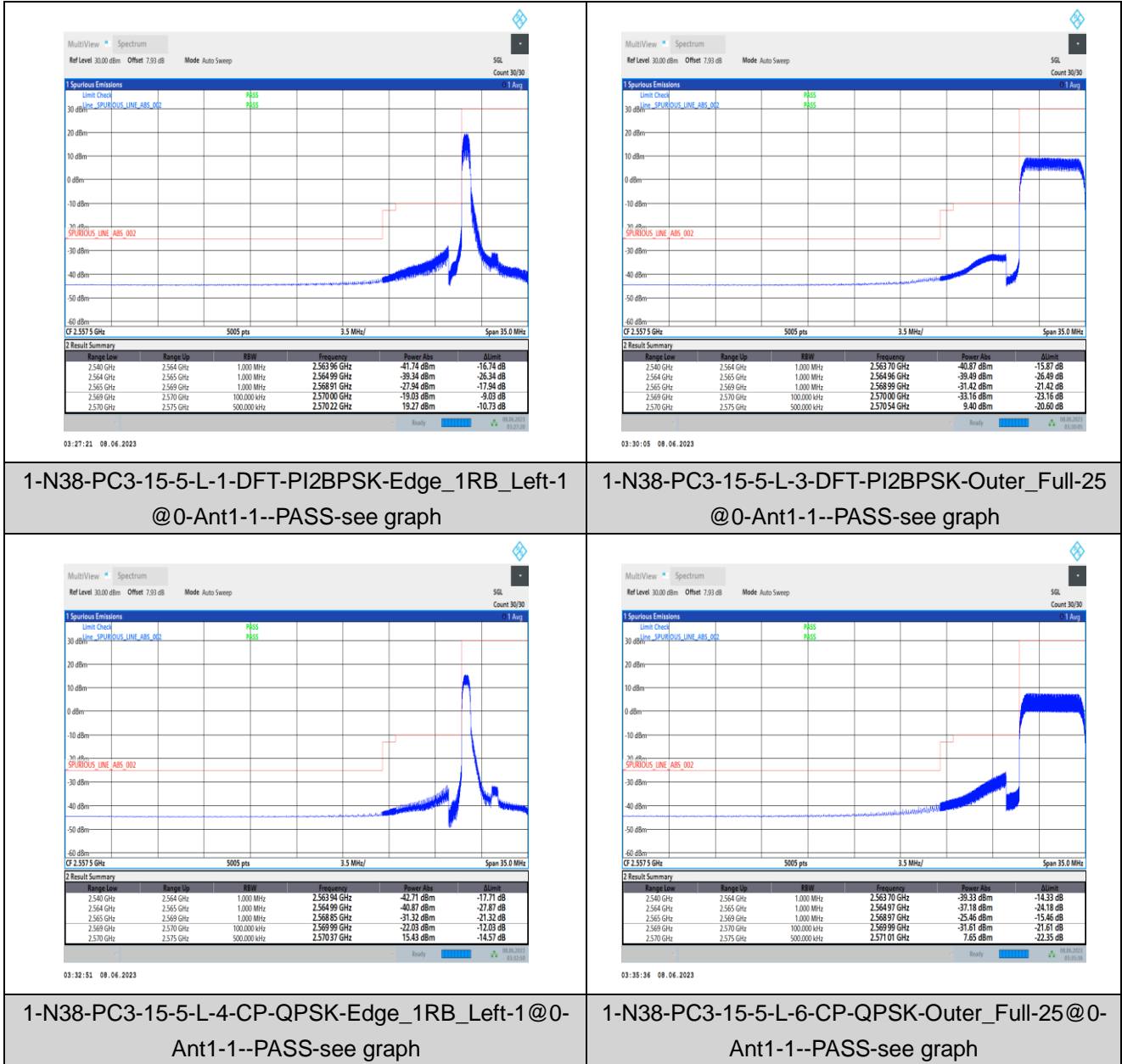
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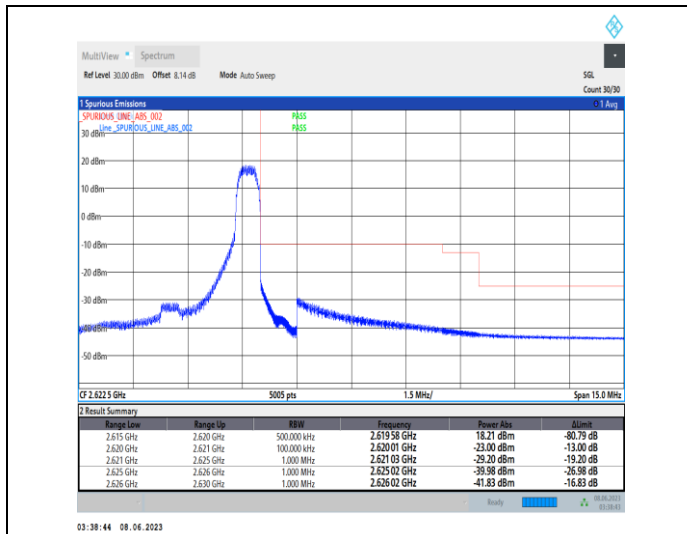
Test Graphs



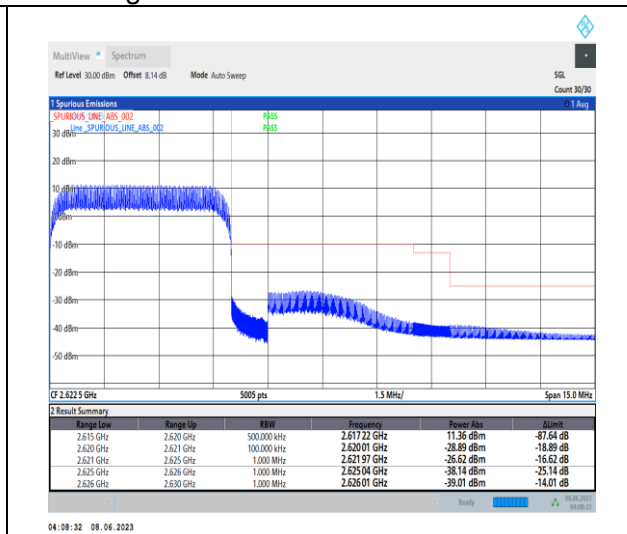
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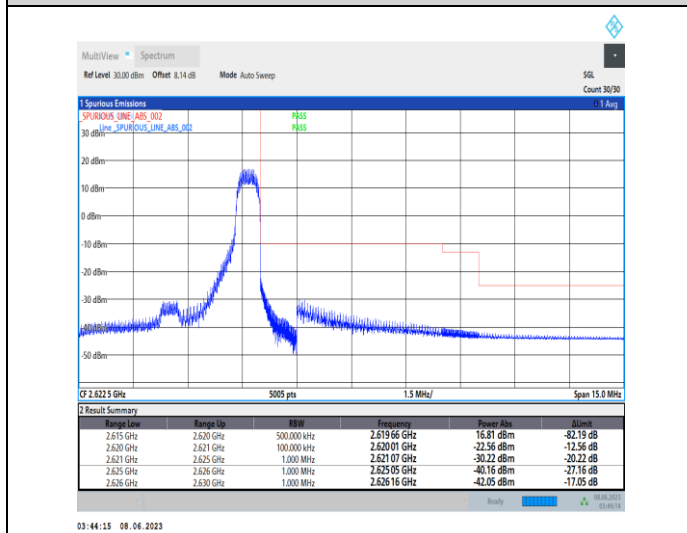
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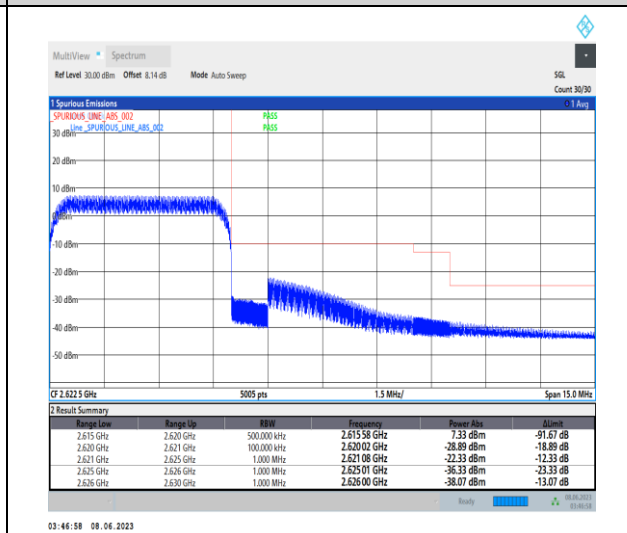
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1-N38-PC3-15-5-H-5-CP-QPSK-Edge_1RB_Right-1@24-Ant1-1--PASS-see graph



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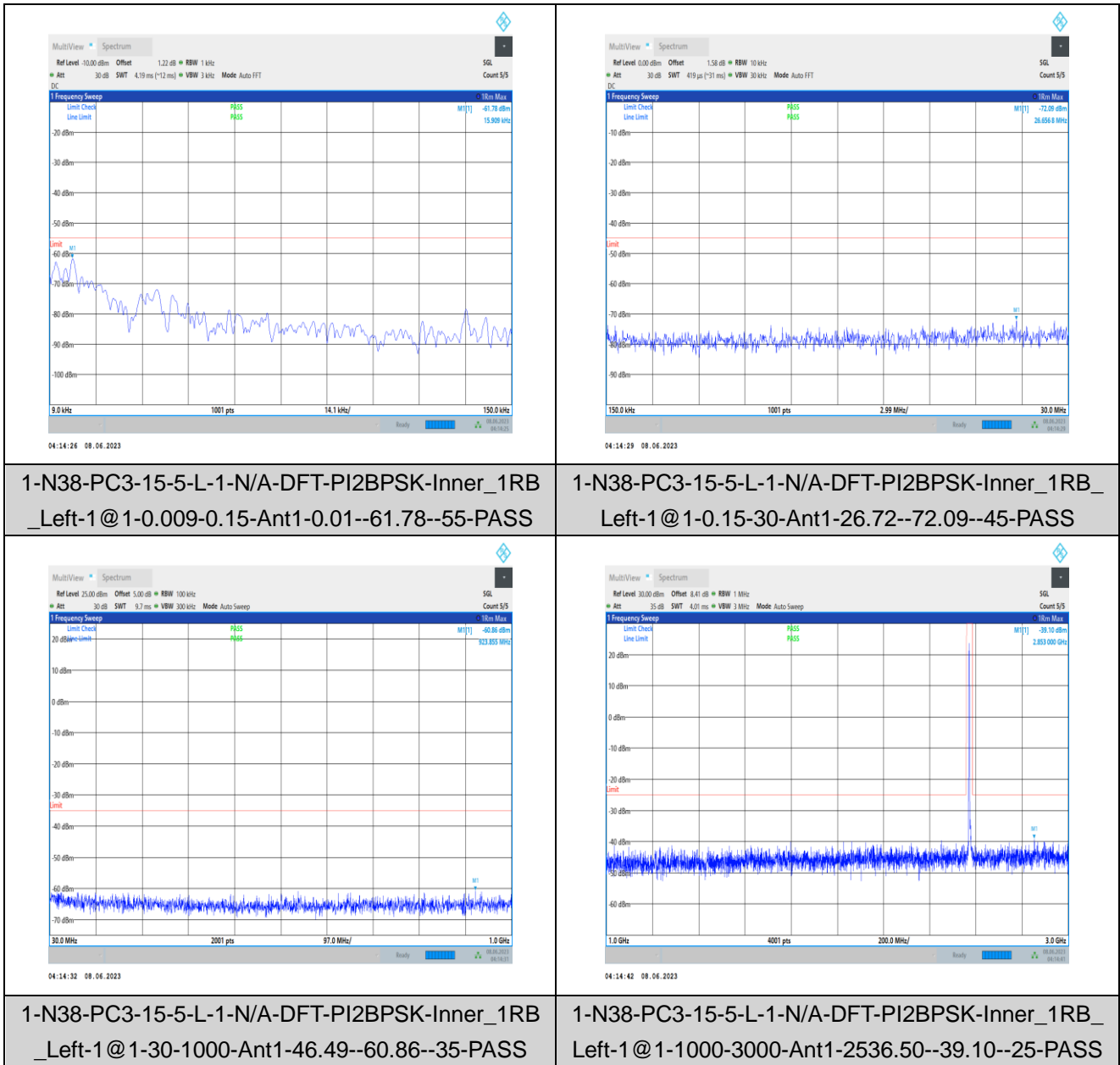


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Conducted Spurious Emission for SA

Test Graphs

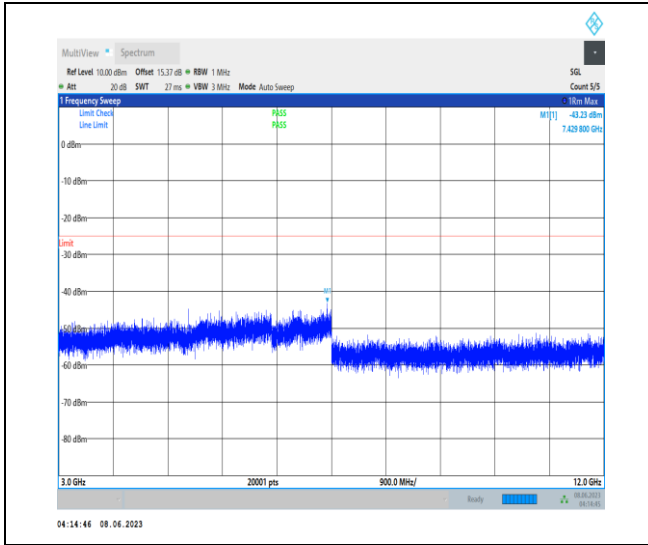


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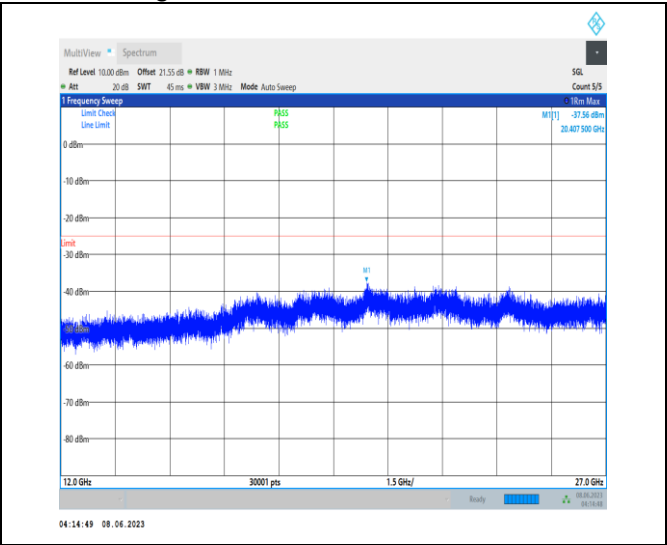
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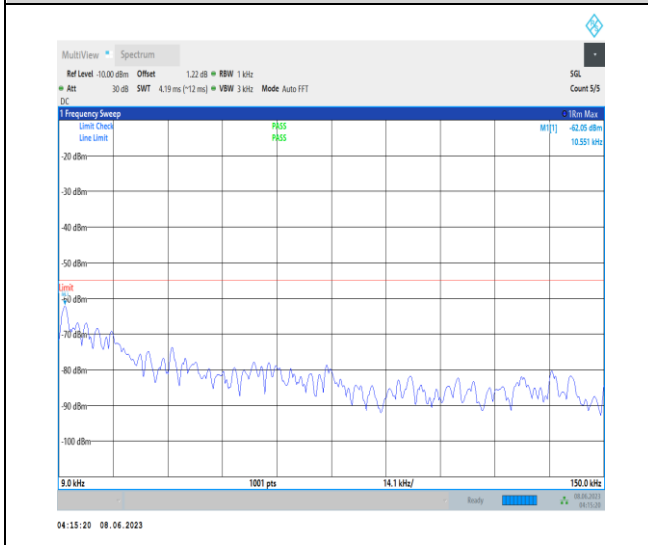
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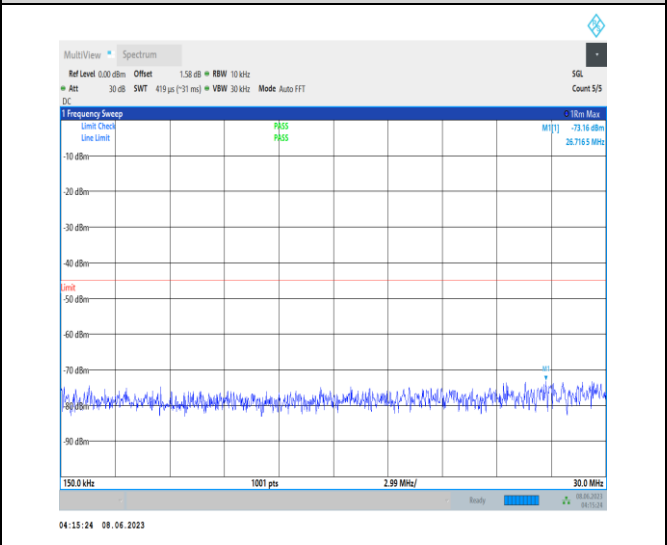
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SS



1-N38-PC3-15-5-L-1-N/A-DFT-PI2BPSK-Inner_1RB_
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SS



1-N38-PC3-15-5-M-1-N/A-DFT-PI2BPSK-Inner_1RB
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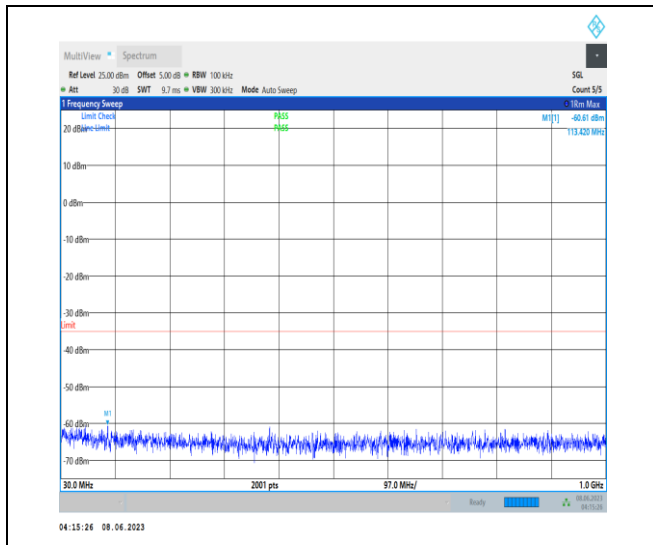


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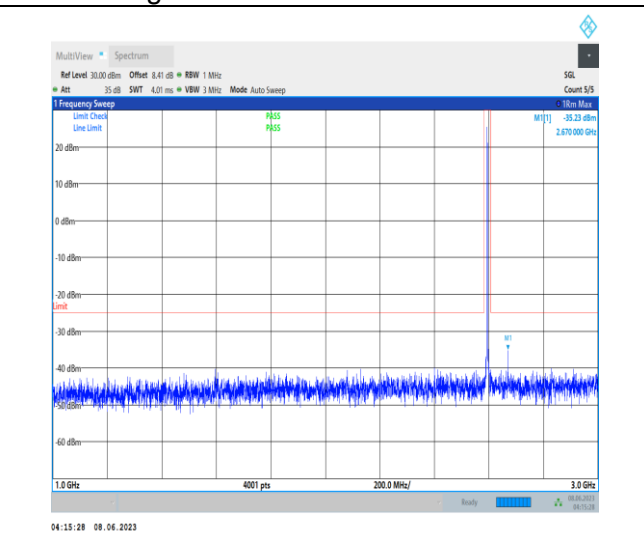
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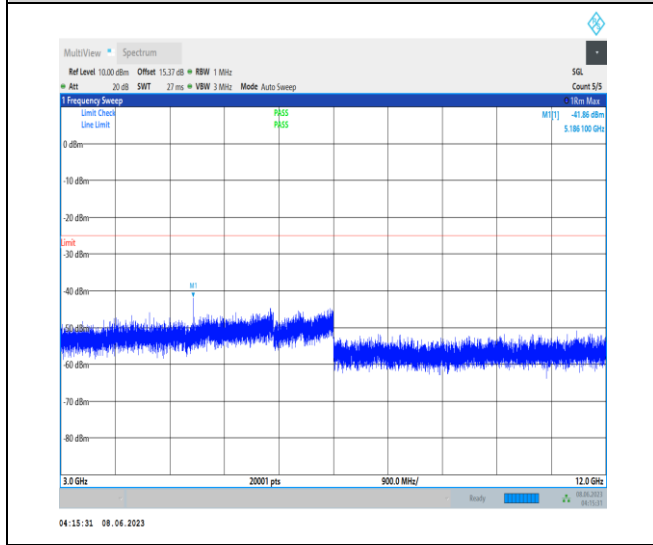
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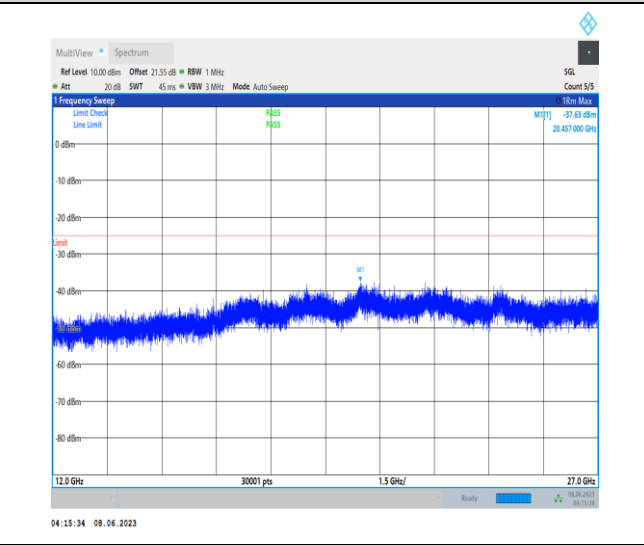
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 _Left-1@1-30-1000-Ant1-759.93--60.61--35-PASS



1-N38-PC3-15-5-M-1-N/A-DFT-PI2BPSK-Inner_1RB
 Left-1@1-1000-3000-Ant1-2608.50--35.23--25-PASS



1-N38-PC3-15-5-M-1-N/A-DFT-PI2BPSK-Inner_1RB
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 SS

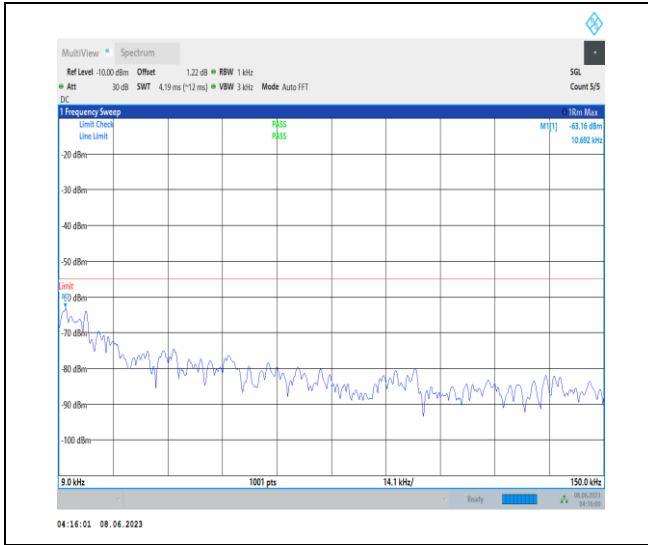


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 SS

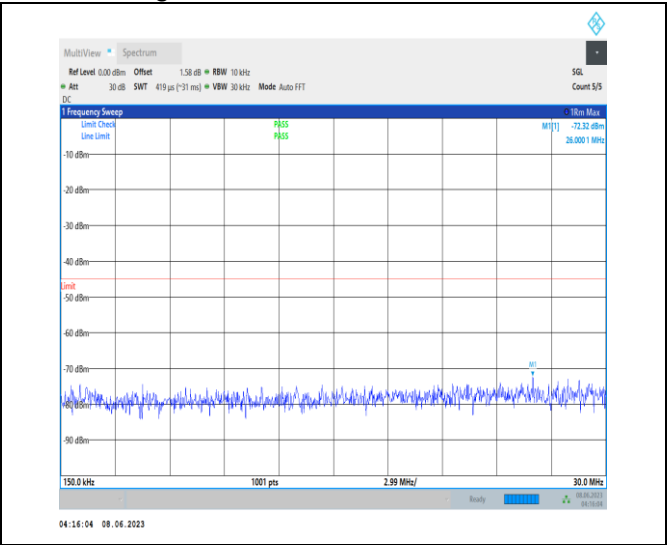


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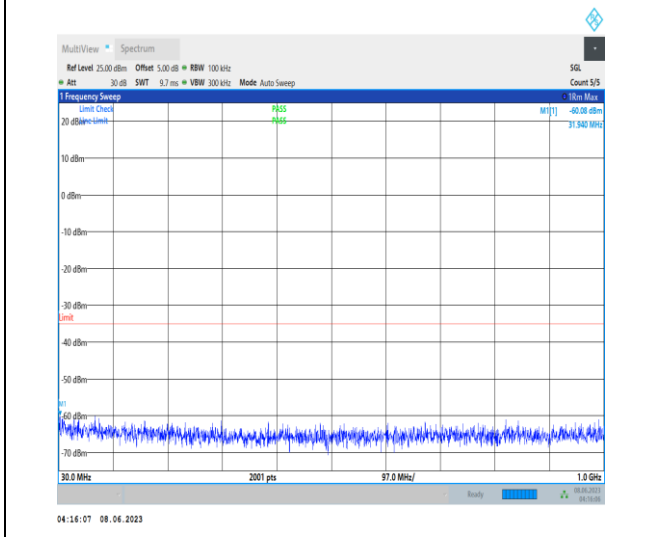
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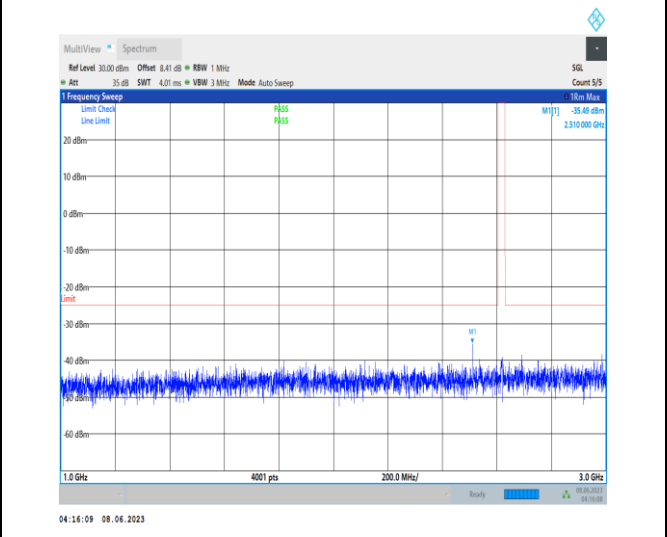
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1-N38-PC3-15-5-H-1-N/A-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant1-29.58--72.32--45-PASS



1-N38-PC3-15-5-H-1-N/A-DFT-PI2BPSK-Inner_1RB_Left-1@1-30-1000-Ant1-942.29--60.08--35-PASS



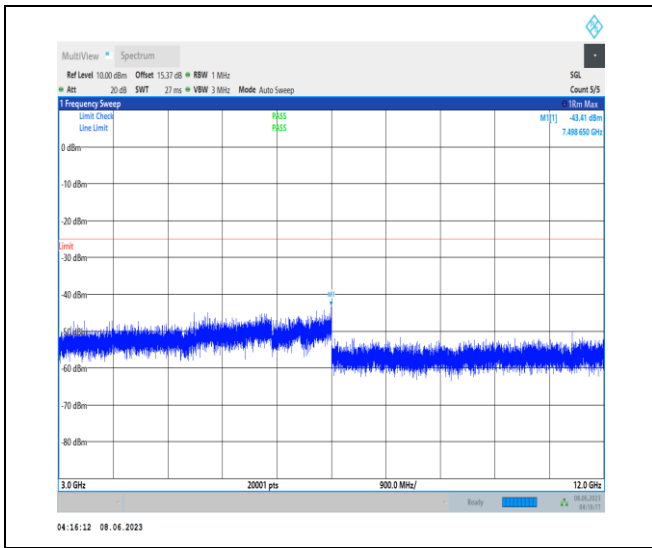
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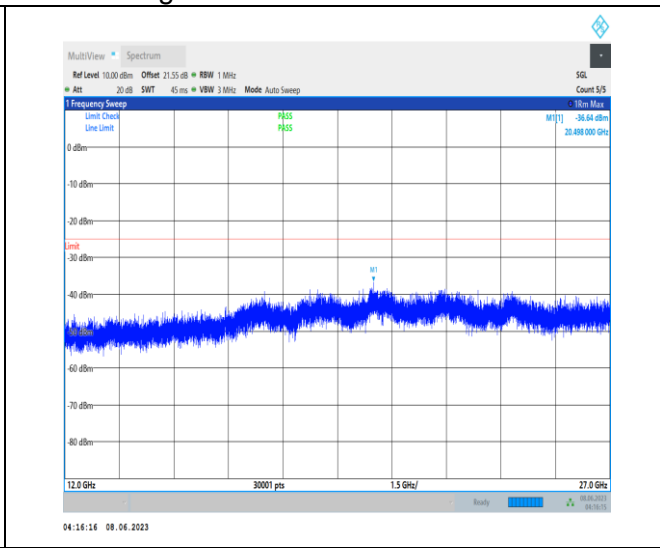
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1-N38-PC3-15-5-H-1-N/A-DFT-PI2BPSK-Inner_1RB
 _Left-1@1-3000-12000-Ant1-7247.55--43.41--25-PA
 SS



1-N38-PC3-15-5-H-1-N/A-DFT-PI2BPSK-Inner_1RB
 Left-1@1-12000-27000-Ant1-22330.50--36.64--25-PA
 SS



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Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Band	SCS	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N38	15	5	DFT-PI2BPSK	M	Outer_Full	VH	NT	-5.400000	-0.007633	PASS
N38	15	5	DFT-PI2BPSK	M	Outer_Full	VN	NT	-4.600000	-0.006502	PASS
N38	15	5	DFT-PI2BPSK	M	Outer_Full	VL	NT	-2.500000	-0.003534	PASS
N38	15	5	CP-QPSK	M	Outer_Full	VH	NT	-1.500000	-0.002120	PASS
N38	15	5	CP-QPSK	M	Outer_Full	VN	NT	-3.900000	-0.005512	PASS
N38	15	5	CP-QPSK	M	Outer_Full	VL	NT	-5.600000	-0.007915	PASS

Frequency Error VS. Temperature

Band	SCS	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N38	15	5	DFT-PI2BPSK	M	Outer_Full	NV	-30	-2.700000	-0.003816	PASS
N38	15	5	DFT-PI2BPSK	M	Outer_Full	NV	-20	-4.400000	-0.006219	PASS
N38	15	5	DFT-PI2BPSK	M	Outer_Full	NV	-10	-3.400000	-0.004806	PASS
N38	15	5	DFT-PI2BPSK	M	Outer_Full	NV	0	-4.000000	-0.005654	PASS
N38	15	5	DFT-PI2BPSK	M	Outer_Full	NV	10	-3.200000	-0.004523	PASS
N38	15	5	DFT-PI2BPSK	M	Outer_Full	NV	20	-3.900000	-0.005512	PASS
N38	15	5	DFT-PI2BPSK	M	Outer_Full	NV	30	-1.800000	-0.002544	PASS
N38	15	5	DFT-PI2BPSK	M	Outer_Full	NV	40	-4.400000	-0.006219	PASS
N38	15	5	DFT-PI2BPSK	M	Outer_Full	NV	50	-2.500000	-0.003534	PASS
N38	15	5	CP-QPSK	M	Outer_Full	NV	-30	-4.500000	-0.006360	PASS
N38	15	5	CP-QPSK	M	Outer_Full	NV	-20	-2.600000	-0.003675	PASS
N38	15	5	CP-QPSK	M	Outer_Full	NV	-10	-2.400000	-0.003392	PASS
N38	15	5	CP-QPSK	M	Outer_Full	NV	0	-4.200000	-0.005936	PASS
N38	15	5	CP-QPSK	M	Outer_Full	NV	10	-1.600000	-0.002261	PASS
N38	15	5	CP-QPSK	M	Outer_Full	NV	20	-2.400000	-0.003392	PASS
N38	15	5	CP-QPSK	M	Outer_Full	NV	30	-3.400000	-0.004806	PASS
N38	15	5	CP-QPSK	M	Outer_Full	NV	40	-2.600000	-0.003675	PASS
N38	15	5	CP-QPSK	M	Outer_Full	NV	50	-3.800000	-0.005371	PASS

---End of Attachment---



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