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Appendix B.18

NR Band n25



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Effective (Isotropic) Radiated Power Output Data for SA

Test Result

ANT2

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	EIRP (dBm)	Limit	Verdict
N25	15	5	DFT-QPSK	L	Inner_1RB_Left	23.78	24.78	33.00	PASS
N25	15	5	DFT-16QAM	L	Inner_1RB_Left	22.93	23.93	33.00	PASS
N25	15	5	DFT-QPSK	M	Inner_1RB_Left	23.68	24.68	33.00	PASS
N25	15	5	DFT-16QAM	M	Inner_1RB_Left	23.03	24.03	33.00	PASS
N25	15	5	DFT-QPSK	H	Inner_1RB_Left	23.80	24.80	33.00	PASS
N25	15	5	DFT-16QAM	H	Inner_1RB_Left	23.06	24.06	33.00	PASS
N25	15	10	DFT-QPSK	L	Inner_1RB_Left	23.72	24.72	33.00	PASS
N25	15	10	DFT-16QAM	L	Inner_1RB_Left	23.00	24.00	33.00	PASS
N25	15	10	DFT-QPSK	M	Inner_1RB_Left	23.79	24.79	33.00	PASS
N25	15	10	DFT-16QAM	M	Inner_1RB_Left	22.99	23.99	33.00	PASS
N25	15	10	DFT-QPSK	H	Inner_1RB_Left	23.67	24.67	33.00	PASS
N25	15	10	DFT-16QAM	H	Inner_1RB_Left	22.98	23.98	33.00	PASS
N25	15	15	DFT-QPSK	L	Inner_1RB_Left	23.79	24.79	33.00	PASS
N25	15	15	DFT-16QAM	L	Inner_1RB_Left	23.00	24.00	33.00	PASS
N25	15	15	DFT-QPSK	M	Inner_1RB_Left	23.84	24.84	33.00	PASS
N25	15	15	DFT-16QAM	M	Inner_1RB_Left	23.02	24.02	33.00	PASS
N25	15	15	DFT-QPSK	H	Inner_1RB_Left	23.65	24.65	33.00	PASS
N25	15	15	DFT-16QAM	H	Inner_1RB_Left	23.02	24.02	33.00	PASS
N25	15	20	DFT-QPSK	L	Inner_1RB_Left	23.79	24.79	33.00	PASS
N25	15	20	DFT-16QAM	L	Inner_1RB_Left	23.08	24.08	33.00	PASS
N25	15	20	DFT-QPSK	M	Inner_1RB_Left	23.80	24.80	33.00	PASS
N25	15	20	DFT-16QAM	M	Inner_1RB_Left	23.08	24.08	33.00	PASS
N25	15	20	DFT-QPSK	H	Inner_1RB_Left	23.79	24.79	33.00	PASS
N25	15	20	DFT-16QAM	H	Inner_1RB_Left	23.01	24.01	33.00	PASS
N25	15	25	DFT-QPSK	L	Inner_1RB_Left	23.78	24.78	33.00	PASS
N25	15	25	DFT-16QAM	L	Inner_1RB_Left	22.99	23.99	33.00	PASS
N25	15	25	DFT-QPSK	M	Inner_1RB_Left	23.77	24.77	33.00	PASS
N25	15	25	DFT-16QAM	M	Inner_1RB_Left	22.93	23.93	33.00	PASS
N25	15	25	DFT-QPSK	H	Inner_1RB_Left	23.63	24.63	33.00	PASS
N25	15	25	DFT-16QAM	H	Inner_1RB_Left	22.86	23.86	33.00	PASS



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N25	15	30	DFT-QPSK	L	Inner_1RB_Left	23.75	24.75	33.00	PASS
N25	15	30	DFT-16QAM	L	Inner_1RB_Left	23.07	24.07	33.00	PASS
N25	15	30	DFT-QPSK	M	Inner_1RB_Left	23.76	24.76	33.00	PASS
N25	15	30	DFT-16QAM	M	Inner_1RB_Left	23.14	24.14	33.00	PASS
N25	15	30	DFT-QPSK	H	Inner_1RB_Left	23.60	24.60	33.00	PASS
N25	15	30	DFT-16QAM	H	Inner_1RB_Left	22.86	23.86	33.00	PASS
N25	15	40	DFT-PI2BPSK	L	Inner_1RB_Left	23.53	24.53	33.00	PASS
N25	15	40	DFT-PI2BPSK	L	Inner_1RB_Right	23.51	24.51	33.00	PASS
N25	15	40	DFT-PI2BPSK	L	Outer_Full	23.17	24.17	33.00	PASS
N25	15	40	DFT-QPSK	L	Inner_1RB_Left	23.93	24.93	33.00	PASS
N25	15	40	DFT-QPSK	L	Inner_1RB_Right	23.91	24.91	33.00	PASS
N25	15	40	DFT-QPSK	L	Outer_Full	22.72	23.72	33.00	PASS
N25	15	40	DFT-16QAM	L	Inner_1RB_Left	23.05	24.05	33.00	PASS
N25	15	40	DFT-16QAM	L	Inner_1RB_Right	22.90	23.90	33.00	PASS
N25	15	40	DFT-16QAM	L	Outer_Full	21.73	22.73	33.00	PASS
N25	15	40	DFT-64QAM	L	Inner_1RB_Left	21.30	22.30	33.00	PASS
N25	15	40	DFT-64QAM	L	Inner_1RB_Right	21.25	22.25	33.00	PASS
N25	15	40	DFT-64QAM	L	Outer_Full	21.22	22.22	33.00	PASS
N25	15	40	DFT-256QAM	L	Inner_1RB_Left	19.20	20.20	33.00	PASS
N25	15	40	DFT-256QAM	L	Inner_1RB_Right	19.09	20.09	33.00	PASS
N25	15	40	DFT-256QAM	L	Outer_Full	19.21	20.21	33.00	PASS
N25	15	40	DFT-PI2BPSK	M	Inner_1RB_Left	23.67	24.67	33.00	PASS
N25	15	40	DFT-PI2BPSK	M	Inner_1RB_Right	23.55	24.55	33.00	PASS
N25	15	40	DFT-PI2BPSK	M	Outer_Full	23.13	24.13	33.00	PASS
N25	15	40	DFT-QPSK	M	Inner_1RB_Left	24.03	25.03	33.00	PASS
N25	15	40	DFT-QPSK	M	Inner_1RB_Right	23.85	24.85	33.00	PASS
N25	15	40	DFT-QPSK	M	Outer_Full	22.71	23.71	33.00	PASS
N25	15	40	DFT-16QAM	M	Inner_1RB_Left	23.04	24.04	33.00	PASS
N25	15	40	DFT-16QAM	M	Inner_1RB_Right	22.94	23.94	33.00	PASS
N25	15	40	DFT-16QAM	M	Outer_Full	21.72	22.72	33.00	PASS
N25	15	40	DFT-64QAM	M	Inner_1RB_Left	21.40	22.40	33.00	PASS
N25	15	40	DFT-64QAM	M	Inner_1RB_Right	21.27	22.27	33.00	PASS
N25	15	40	DFT-64QAM	M	Outer_Full	21.22	22.22	33.00	PASS
N25	15	40	DFT-256QAM	M	Inner_1RB_Left	19.19	20.19	33.00	PASS
N25	15	40	DFT-256QAM	M	Inner_1RB_Right	19.12	20.12	33.00	PASS
N25	15	40	DFT-256QAM	M	Outer_Full	19.17	20.17	33.00	PASS
N25	15	40	DFT-PI2BPSK	H	Inner_1RB_Left	23.52	24.52	33.00	PASS
N25	15	40	DFT-PI2BPSK	H	Inner_1RB_Right	23.44	24.44	33.00	PASS



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N25	15	40	DFT-PI2BPSK	H	Outer_Full	23.18	24.18	33.00	PASS
N25	15	40	DFT-QPSK	H	Inner_1RB_Left	23.86	24.86	33.00	PASS
N25	15	40	DFT-QPSK	H	Inner_1RB_Right	23.90	24.90	33.00	PASS
N25	15	40	DFT-QPSK	H	Outer_Full	22.60	23.60	33.00	PASS
N25	15	40	DFT-16QAM	H	Inner_1RB_Left	22.95	23.95	33.00	PASS
N25	15	40	DFT-16QAM	H	Inner_1RB_Right	23.05	24.05	33.00	PASS
N25	15	40	DFT-16QAM	H	Outer_Full	21.55	22.55	33.00	PASS
N25	15	40	DFT-64QAM	H	Inner_1RB_Left	21.28	22.28	33.00	PASS
N25	15	40	DFT-64QAM	H	Inner_1RB_Right	21.18	22.18	33.00	PASS
N25	15	40	DFT-64QAM	H	Outer_Full	21.13	22.13	33.00	PASS
N25	15	40	DFT-256QAM	H	Inner_1RB_Left	19.19	20.19	33.00	PASS
N25	15	40	DFT-256QAM	H	Inner_1RB_Right	19.13	20.13	33.00	PASS
N25	15	40	DFT-256QAM	H	Outer_Full	19.11	20.11	33.00	PASS



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Peak-to-Average Ratio for SA

Test Result

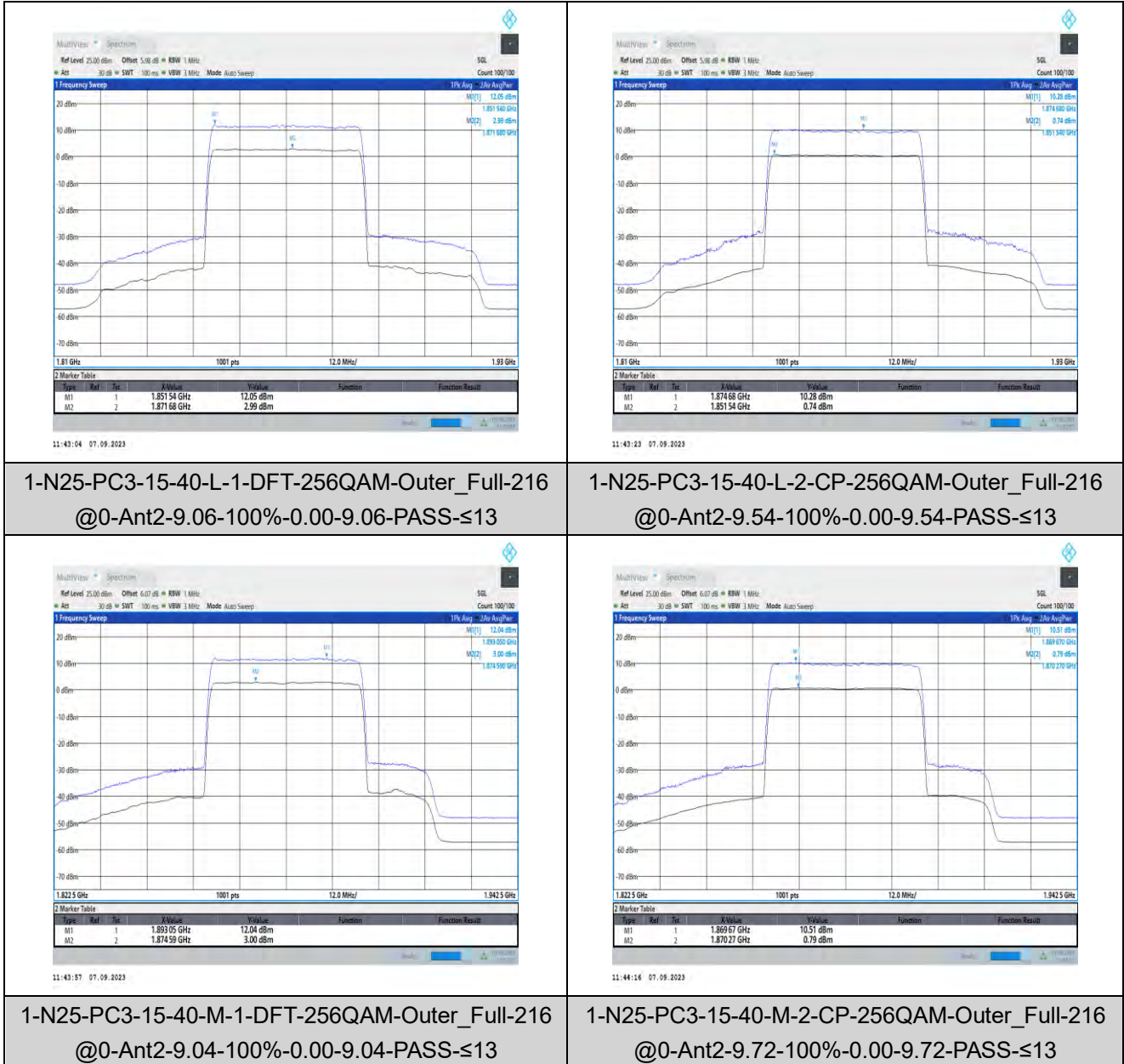
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N25	15	40	DFT-256QAM	L	Outer_Full	9.06	≤13	PASS
N25	15	40	CP-256QAM	L	Outer_Full	9.54	≤13	PASS
N25	15	40	DFT-256QAM	M	Outer_Full	9.04	≤13	PASS
N25	15	40	CP-256QAM	M	Outer_Full	9.72	≤13	PASS
N25	15	40	DFT-256QAM	H	Outer_Full	8.92	≤13	PASS
N25	15	40	CP-256QAM	H	Outer_Full	9.72	≤13	PASS



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Test Graphs



1-N25-PC3-15-40-L-1-DFT-256QAM-Outer_Full-216 @0-Ant2-9.06-100%-0.00-9.06-PASS-≤13

1-N25-PC3-15-40-L-2-CP-256QAM-Outer_Full-216 @0-Ant2-9.54-100%-0.00-9.54-PASS-≤13

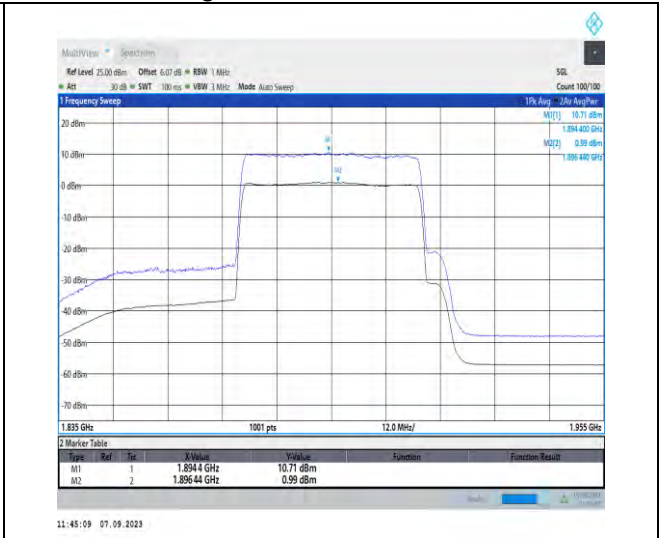
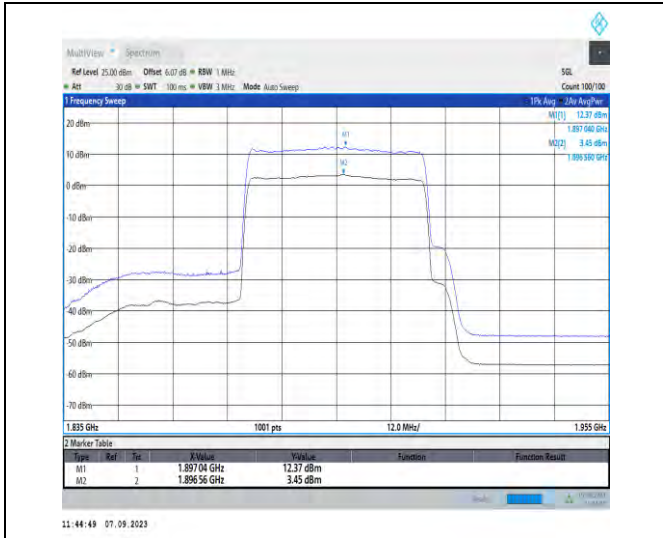
1-N25-PC3-15-40-M-1-DFT-256QAM-Outer_Full-216 @0-Ant2-9.04-100%-0.00-9.04-PASS-≤13

1-N25-PC3-15-40-M-2-CP-256QAM-Outer_Full-216 @0-Ant2-9.72-100%-0.00-9.72-PASS-≤13



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1-N25-PC3-15-40-H-1-DFT-256QAM-Outer_Full-216
@0-Ant2-8.92-100%-0.00-8.92-PASS-≤13

1-N25-PC3-15-40-H-2-CP-256QAM-Outer_Full-216
@0-Ant2-9.72-100%-0.00-9.72-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
N25	15	5	DFT-QPSK	M	Outer_Full	4.489	4.830	PASS
N25	15	5	DFT-PI2BPSK	M	Outer_Full	4.475	4.830	PASS
N25	15	5	DFT-16QAM	M	Outer_Full	4.468	4.760	PASS
N25	15	5	DFT-64QAM	M	Outer_Full	4.46	4.790	PASS
N25	15	5	DFT-256QAM	M	Outer_Full	4.47	4.790	PASS
N25	15	5	CP-QPSK	M	Outer_Full	4.477	4.800	PASS
N25	15	5	CP-16QAM	M	Outer_Full	4.487	4.770	PASS
N25	15	5	CP-64QAM	M	Outer_Full	4.475	4.750	PASS
N25	15	5	CP-256QAM	M	Outer_Full	4.465	4.810	PASS
N25	15	10	DFT-QPSK	M	Outer_Full	8.946	9.420	PASS
N25	15	10	DFT-PI2BPSK	M	Outer_Full	8.914	9.340	PASS
N25	15	10	DFT-16QAM	M	Outer_Full	8.91	9.360	PASS
N25	15	10	DFT-64QAM	M	Outer_Full	8.912	9.340	PASS
N25	15	10	DFT-256QAM	M	Outer_Full	8.914	9.380	PASS
N25	15	10	CP-QPSK	M	Outer_Full	9.281	9.760	PASS
N25	15	10	CP-16QAM	M	Outer_Full	9.299	9.740	PASS
N25	15	10	CP-64QAM	M	Outer_Full	9.276	9.720	PASS
N25	15	10	CP-256QAM	M	Outer_Full	9.284	9.780	PASS
N25	15	15	DFT-QPSK	M	Outer_Full	13.453	14.070	PASS
N25	15	15	DFT-PI2BPSK	M	Outer_Full	13.41	14.130	PASS
N25	15	15	DFT-16QAM	M	Outer_Full	13.389	14.070	PASS
N25	15	15	DFT-64QAM	M	Outer_Full	13.434	14.130	PASS
N25	15	15	DFT-256QAM	M	Outer_Full	13.427	14.070	PASS
N25	15	15	CP-QPSK	M	Outer_Full	14.122	14.820	PASS
N25	15	15	CP-16QAM	M	Outer_Full	14.141	14.790	PASS
N25	15	15	CP-64QAM	M	Outer_Full	14.126	14.820	PASS
N25	15	15	CP-256QAM	M	Outer_Full	14.123	14.880	PASS
N25	15	20	DFT-QPSK	M	Outer_Full	17.874	18.640	PASS
N25	15	20	DFT-PI2BPSK	M	Outer_Full	17.851	18.640	PASS
N25	15	20	DFT-16QAM	M	Outer_Full	17.866	18.600	PASS



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N25	15	20	DFT-64QAM	M	Outer_Full	17.853	18.600	PASS
N25	15	20	DFT-256QAM	M	Outer_Full	17.882	18.720	PASS
N25	15	20	CP-QPSK	M	Outer_Full	18.908	19.840	PASS
N25	15	20	CP-16QAM	M	Outer_Full	18.92	19.680	PASS
N25	15	20	CP-64QAM	M	Outer_Full	18.875	19.720	PASS
N25	15	20	CP-256QAM	M	Outer_Full	18.914	19.720	PASS
N25	15	25	DFT-QPSK	M	Outer_Full	22.881	23.850	PASS
N25	15	25	DFT-PI2BPSK	M	Outer_Full	22.883	23.850	PASS
N25	15	25	DFT-16QAM	M	Outer_Full	22.878	23.850	PASS
N25	15	25	DFT-64QAM	M	Outer_Full	22.892	23.800	PASS
N25	15	25	DFT-256QAM	M	Outer_Full	22.874	23.800	PASS
N25	15	25	CP-QPSK	M	Outer_Full	23.734	24.800	PASS
N25	15	25	CP-16QAM	M	Outer_Full	23.703	24.800	PASS
N25	15	25	CP-64QAM	M	Outer_Full	23.701	24.800	PASS
N25	15	25	CP-256QAM	M	Outer_Full	23.701	24.750	PASS
N25	15	30	DFT-QPSK	M	Outer_Full	28.595	29.700	PASS
N25	15	30	DFT-PI2BPSK	M	Outer_Full	28.546	29.640	PASS
N25	15	30	DFT-16QAM	M	Outer_Full	28.551	29.700	PASS
N25	15	30	DFT-64QAM	M	Outer_Full	28.544	29.640	PASS
N25	15	30	DFT-256QAM	M	Outer_Full	28.572	29.700	PASS
N25	15	30	CP-QPSK	M	Outer_Full	28.567	29.820	PASS
N25	15	30	CP-16QAM	M	Outer_Full	28.593	29.820	PASS
N25	15	30	CP-64QAM	M	Outer_Full	28.539	29.700	PASS
N25	15	30	CP-256QAM	M	Outer_Full	28.526	29.880	PASS
N25	15	40	DFT-QPSK	M	Outer_Full	38.614	40.160	PASS
N25	15	40	DFT-PI2BPSK	M	Outer_Full	38.521	40.320	PASS
N25	15	40	DFT-16QAM	M	Outer_Full	38.495	40.160	PASS
N25	15	40	DFT-64QAM	M	Outer_Full	38.461	40.160	PASS
N25	15	40	DFT-256QAM	M	Outer_Full	38.444	40.160	PASS
N25	15	40	CP-QPSK	M	Outer_Full	38.583	40.160	PASS
N25	15	40	CP-16QAM	M	Outer_Full	38.616	40.320	PASS
N25	15	40	CP-64QAM	M	Outer_Full	38.532	40.160	PASS
N25	15	40	CP-256QAM	M	Outer_Full	38.537	40.160	PASS



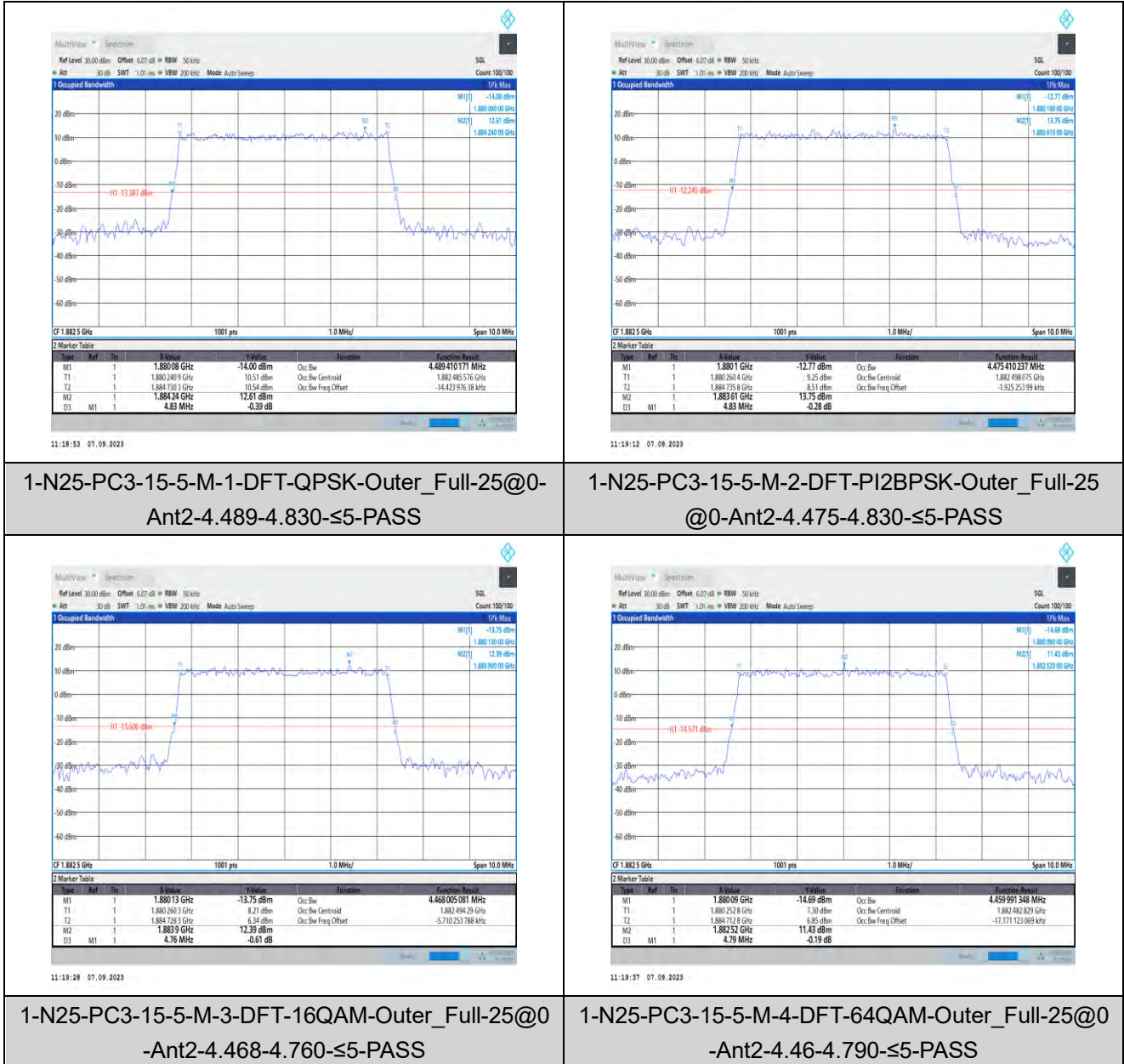
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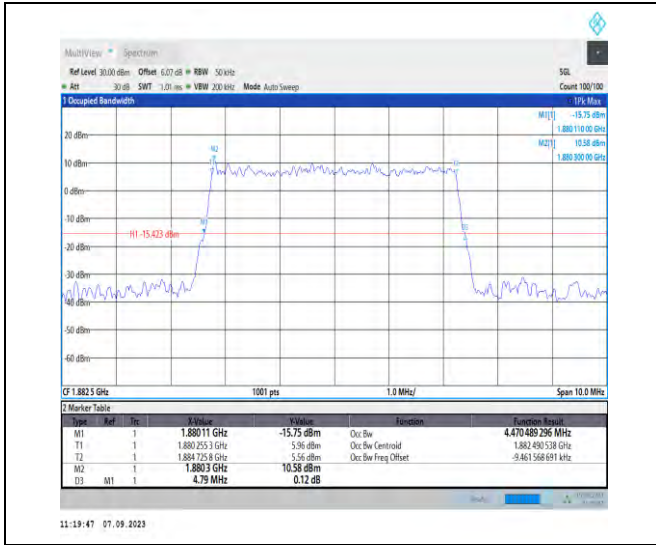
Test Graphs



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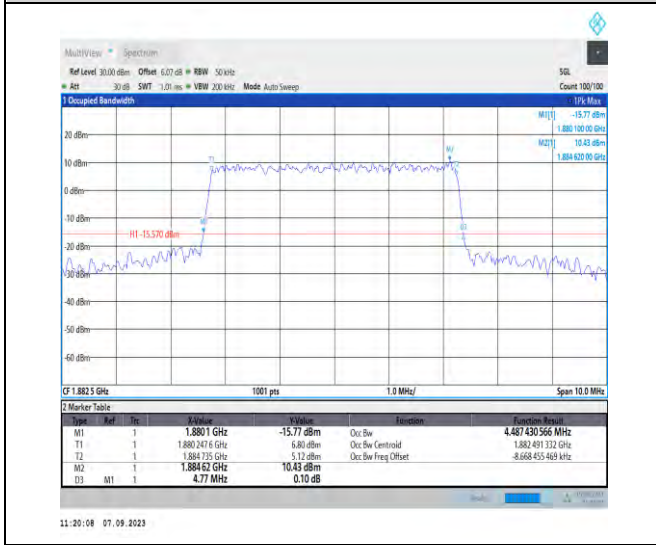
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1-N25-PC3-15-5-M-5-DFT-256QAM-Outer_Full-25@0-Ant2-4.47-4.790-≤5-PASS



1-N25-PC3-15-5-M-6-CP-QPSK-Outer_Full-25@0-Ant2-4.477-4.800-≤5-PASS



1-N25-PC3-15-5-M-7-CP-16QAM-Outer_Full-25@0-Ant2-4.487-4.770-≤5-PASS



1-N25-PC3-15-5-M-8-CP-64QAM-Outer_Full-25@0-Ant2-4.475-4.750-≤5-PASS



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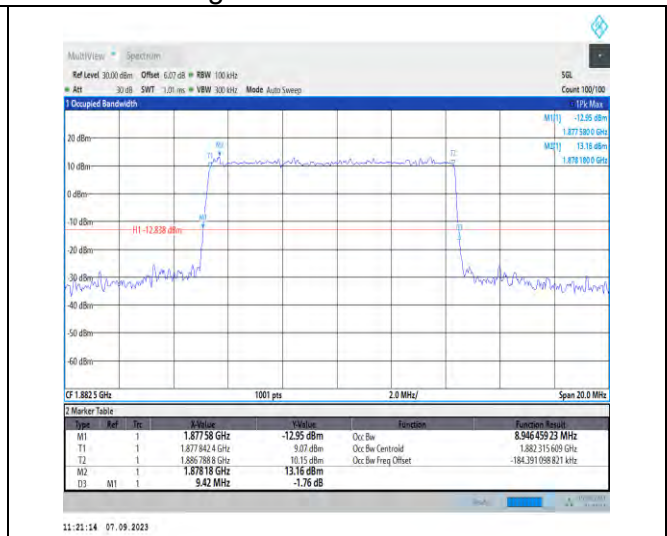
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1-N25-PC3-15-5-M-9-CP-256QAM-Outer_Full-25@0
-Ant2-4.465-4.810-≤5-PASS



1-N25-PC3-15-10-M-1-DFT-QPSK-Outer_Full-50@0
-Ant2-8.946-9.420-≤10-PASS



1-N25-PC3-15-10-M-2-DFT-PI2BPSK-Outer_Full-50@0-Ant2-8.914-9.340-≤10-PASS



1-N25-PC3-15-10-M-3-DFT-16QAM-Outer_Full-50@0-Ant2-8.91-9.360-≤10-PASS



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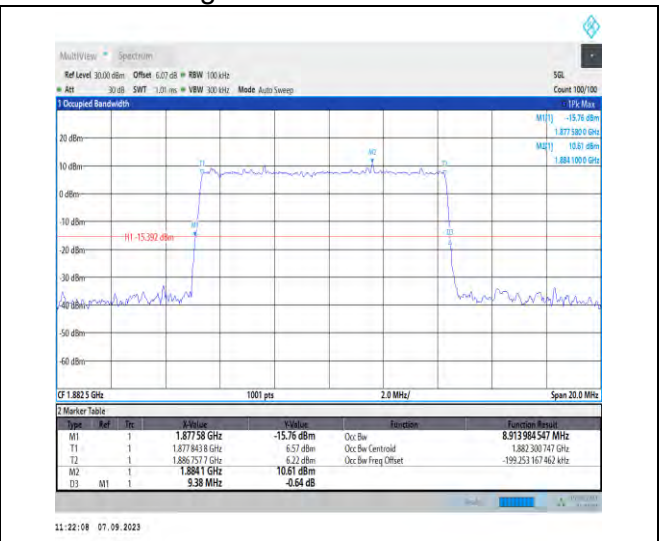
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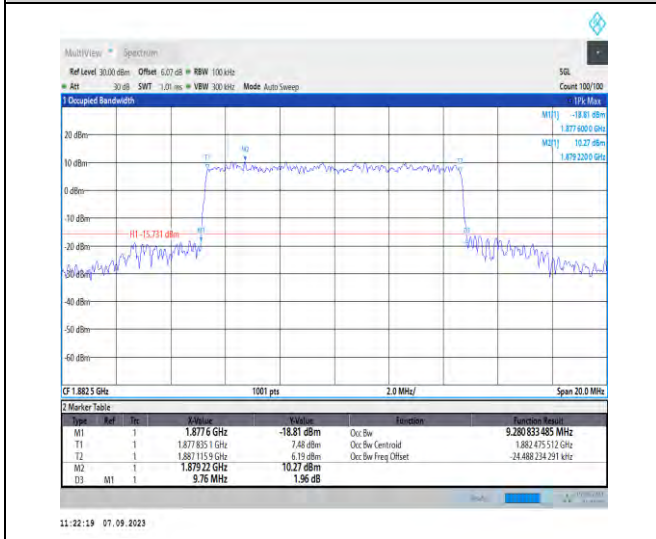
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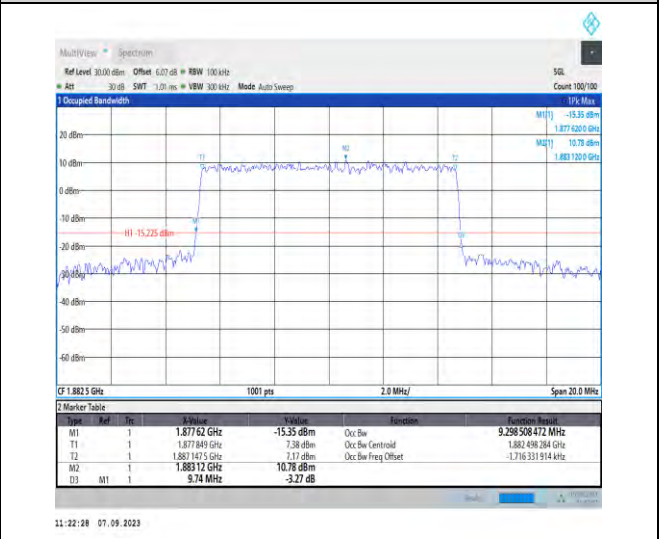
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0-Ant2-8.912-9.340-≤10-PASS



1-N25-PC3-15-10-M-5-DFT-256QAM-Outer_Full-50
@0-Ant2-8.914-9.380-≤10-PASS



1-N25-PC3-15-10-M-6-CP-QPSK-Outer_Full-52@0-
Ant2-9.281-9.760-≤10-PASS



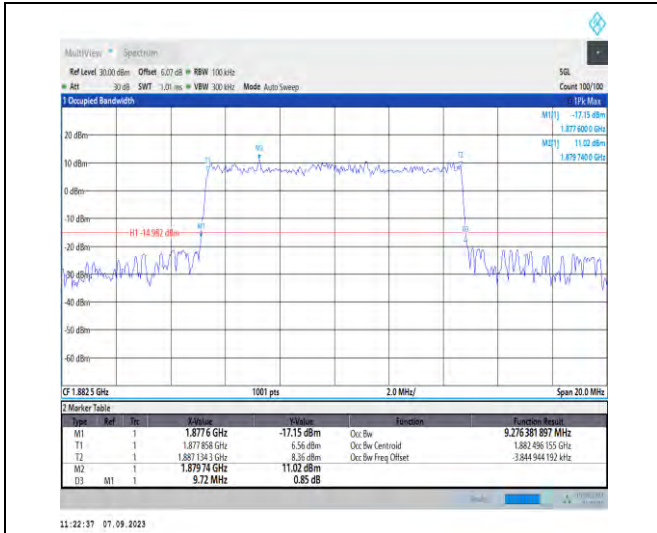
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-Ant2-9.299-9.740-≤10-PASS



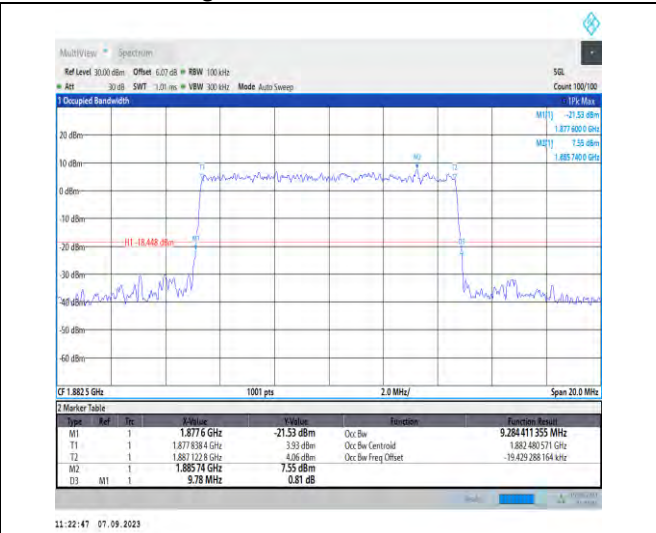
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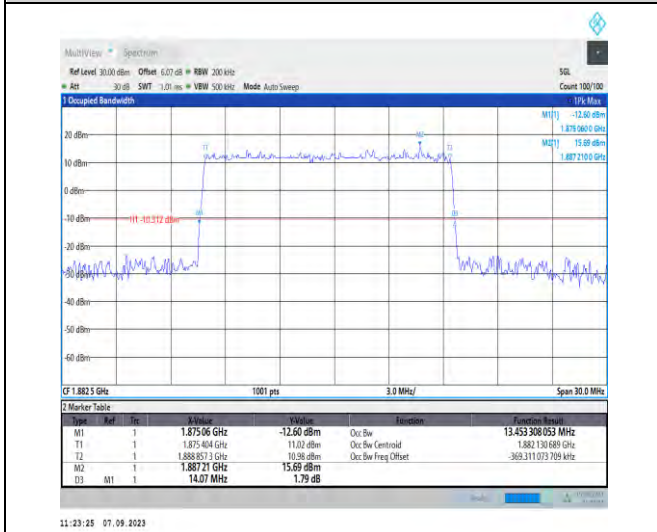
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1-N25-PC3-15-10-M-8-CP-64QAM-Outer_Full-52@0
-Ant2-9.276-9.720-≤10-PASS



1-N25-PC3-15-10-M-9-CP-256QAM-Outer_Full-52@0
-Ant2-9.284-9.780-≤10-PASS



1-N25-PC3-15-15-M-1-DFT-QPSK-Outer_Full-75@0
-Ant2-13.453-14.070-≤15-PASS



1-N25-PC3-15-15-M-2-DFT-PI2BPSK-Outer_Full-75@0
-Ant2-13.41-14.130-≤15-PASS



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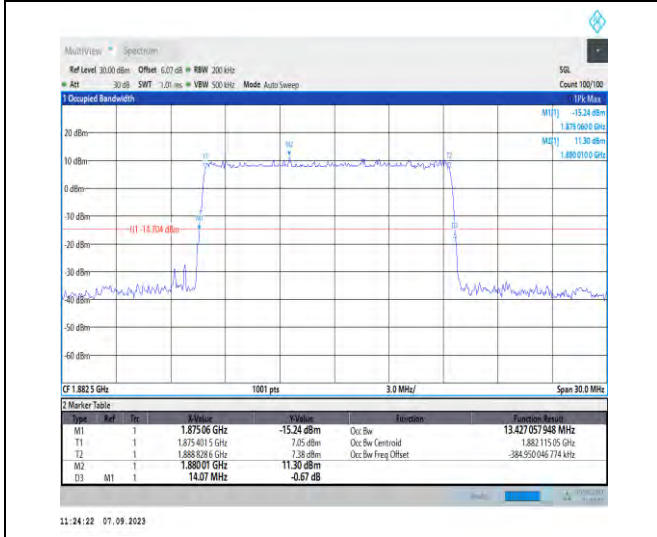
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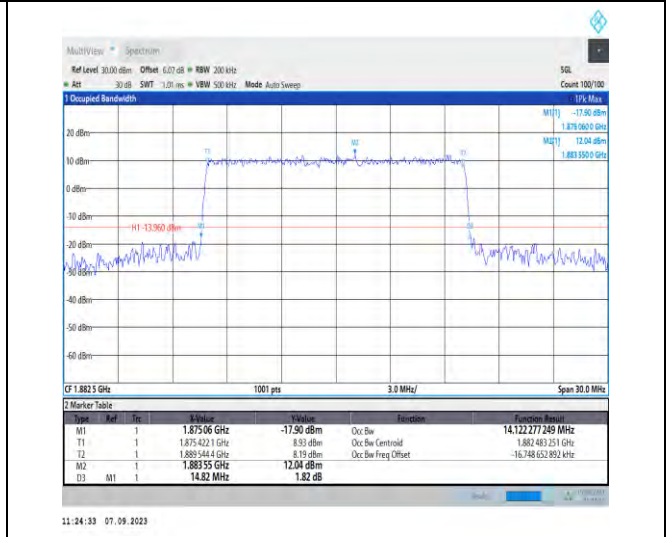
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1-N25-PC3-15-15-M-5-DFT-256QAM-Outer_Full-75
@0-Ant2-13.427-14.070-≤15-PASS



1-N25-PC3-15-15-M-6-CP-QPSK-Outer_Full-79@0-
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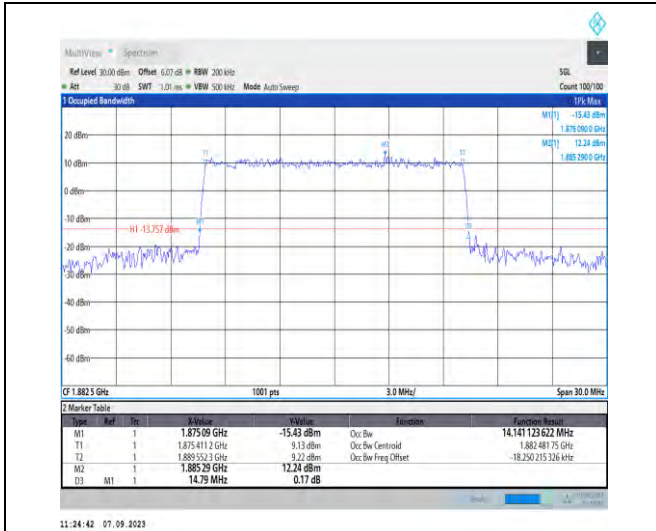


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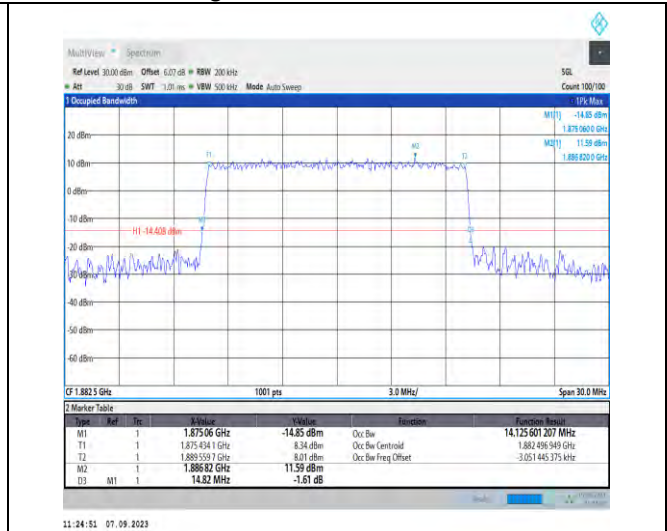
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-Ant2-14.141-14.790-≤15-PASS



1-N25-PC3-15-15-M-8-CP-64QAM-Outer_Full-79@0
-Ant2-14.126-14.820-≤15-PASS



1-N25-PC3-15-15-M-9-CP-256QAM-Outer_Full-79@0
0-Ant2-14.123-14.880-≤15-PASS



1-N25-PC3-15-20-M-1-DFT-QPSK-Outer_Full-100@0
0-Ant2-17.874-18.640-≤20-PASS



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1-N25-PC3-15-20-M-2-DFT-PI2BPSK-Outer_Full-100@0-Ant2-17.851-18.640-≤20-PASS

1-N25-PC3-15-20-M-3-DFT-16QAM-Outer_Full-100@0-Ant2-17.866-18.600-≤20-PASS



1-N25-PC3-15-20-M-4-DFT-64QAM-Outer_Full-100@0-Ant2-17.853-18.600-≤20-PASS

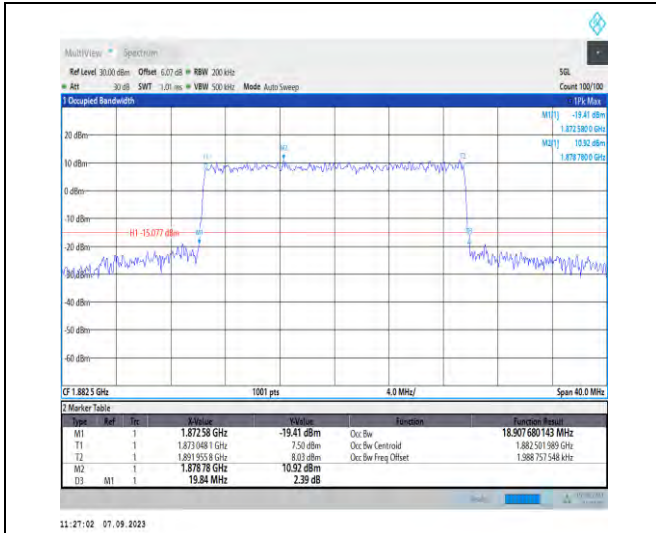
1-N25-PC3-15-20-M-5-DFT-256QAM-Outer_Full-100@0-Ant2-17.882-18.720-≤20-PASS



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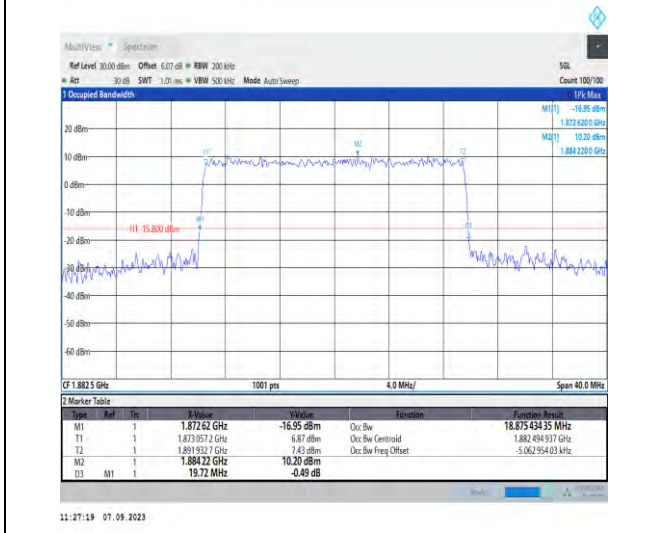
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1-N25-PC3-15-20-M-6-CP-QPSK-Outer_Full-106@0-Ant2-18.908-19.840-≤20-PASS

1-N25-PC3-15-20-M-7-CP-16QAM-Outer_Full-106@0-Ant2-18.92-19.680-≤20-PASS



1-N25-PC3-15-20-M-8-CP-64QAM-Outer_Full-106@0-Ant2-18.875-19.720-≤20-PASS

1-N25-PC3-15-20-M-9-CP-256QAM-Outer_Full-106@0-Ant2-18.914-19.720-≤20-PASS



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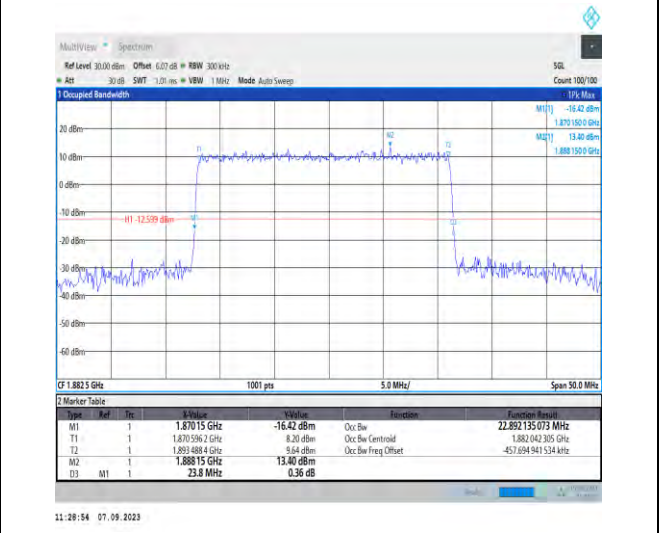
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1-N25-PC3-15-25-M-1-DFT-QPSK-Outer_Full-128@0-Ant2-22.881-23.850-≤25-PASS

1-N25-PC3-15-25-M-2-DFT-PI2BPSK-Outer_Full-128@0-Ant2-22.883-23.850-≤25-PASS



1-N25-PC3-15-25-M-3-DFT-16QAM-Outer_Full-128@0-Ant2-22.878-23.850-≤25-PASS

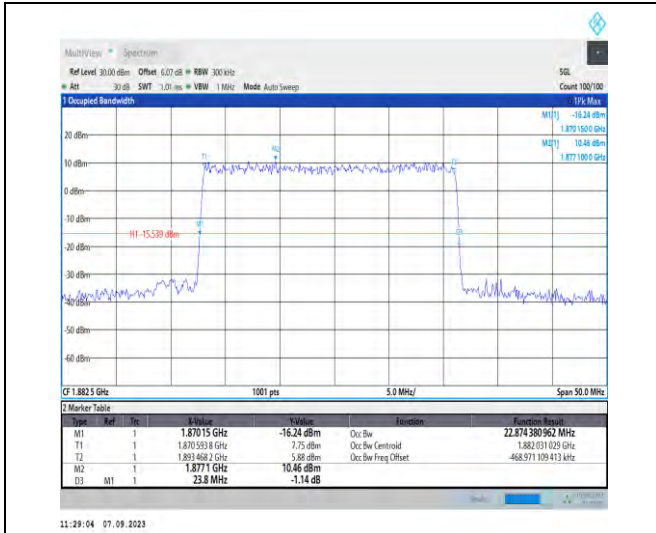
1-N25-PC3-15-25-M-4-DFT-64QAM-Outer_Full-128@0-Ant2-22.892-23.800-≤25-PASS



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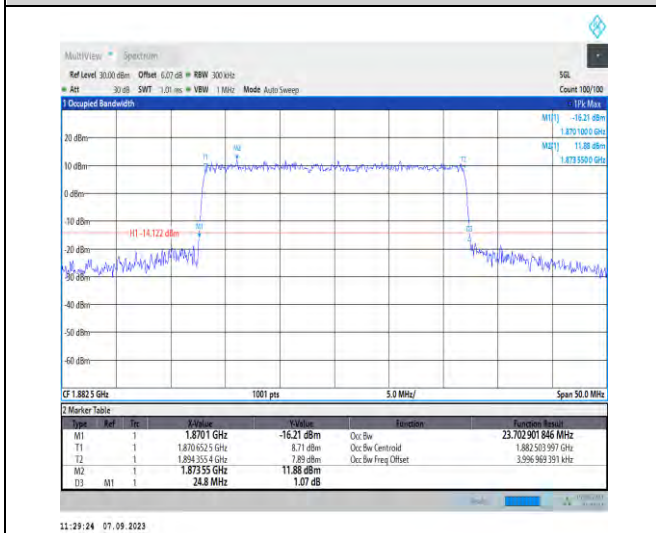
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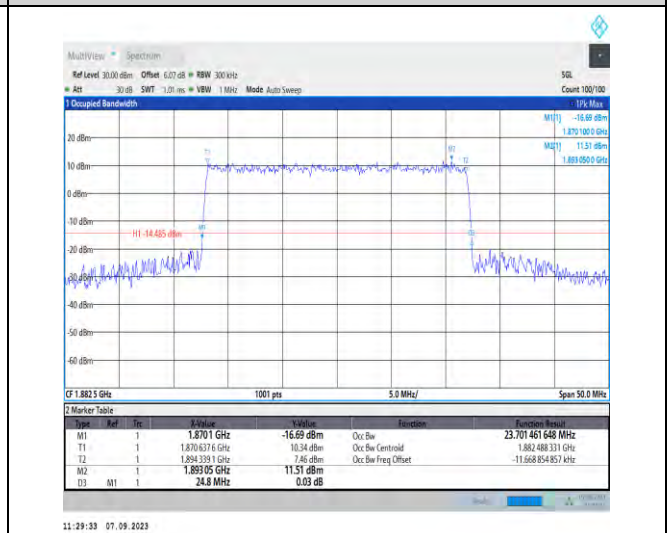
1-N25-PC3-15-25-M-5-DFT-256QAM-Outer_Full-128@0-Ant2-22.874-23.800-≤25-PASS



1-N25-PC3-15-25-M-6-CP-QPSK-Outer_Full-133@0-Ant2-23.734-24.800-≤25-PASS



1-N25-PC3-15-25-M-7-CP-16QAM-Outer_Full-133@0-Ant2-23.703-24.800-≤25-PASS



1-N25-PC3-15-25-M-8-CP-64QAM-Outer_Full-133@0-Ant2-23.701-24.800-≤25-PASS



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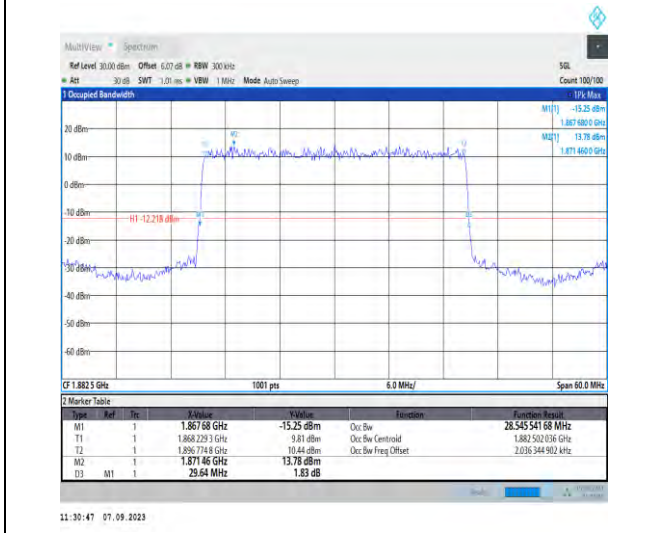
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1-N25-PC3-15-25-M-9-CP-256QAM-Outer_Full-133 @0-Ant2-23.701-24.750-≤25-PASS

1-N25-PC3-15-30-M-1-DFT-QPSK-Outer_Full-160 @0-Ant2-28.595-29.700-≤30-PASS



1-N25-PC3-15-30-M-2-DFT-PI2BPSK-Outer_Full-160 @0-Ant2-28.546-29.640-≤30-PASS

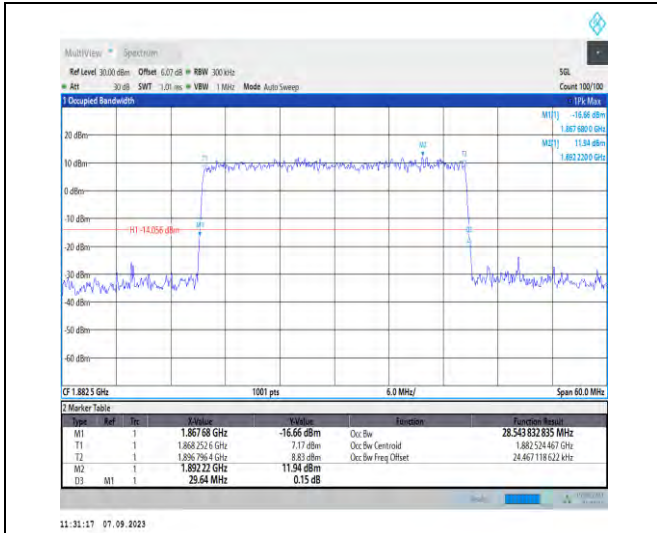
1-N25-PC3-15-30-M-3-DFT-16QAM-Outer_Full-160 @0-Ant2-28.551-29.700-≤30-PASS



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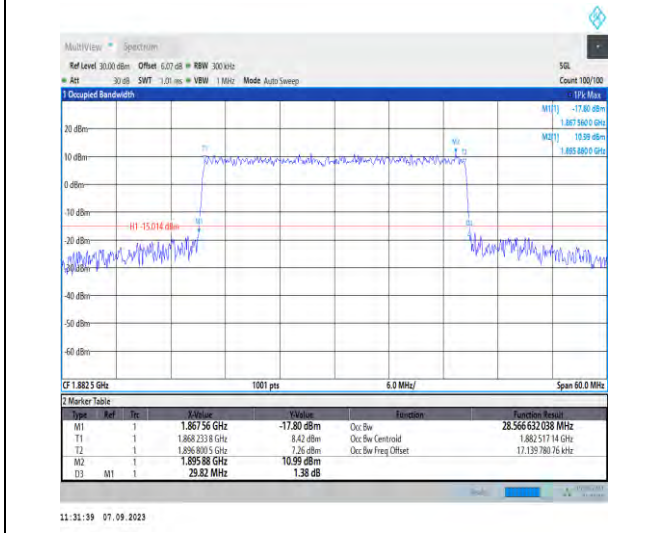
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1-N25-PC3-15-30-M-4-DFT-64QAM-Outer_Full-160 @0-Ant2-28.544-29.640-≤30-PASS

1-N25-PC3-15-30-M-5-DFT-256QAM-Outer_Full-160 @0-Ant2-28.572-29.700-≤30-PASS



1-N25-PC3-15-30-M-6-CP-QPSK-Outer_Full-160@0 -Ant2-28.567-29.820-≤30-PASS

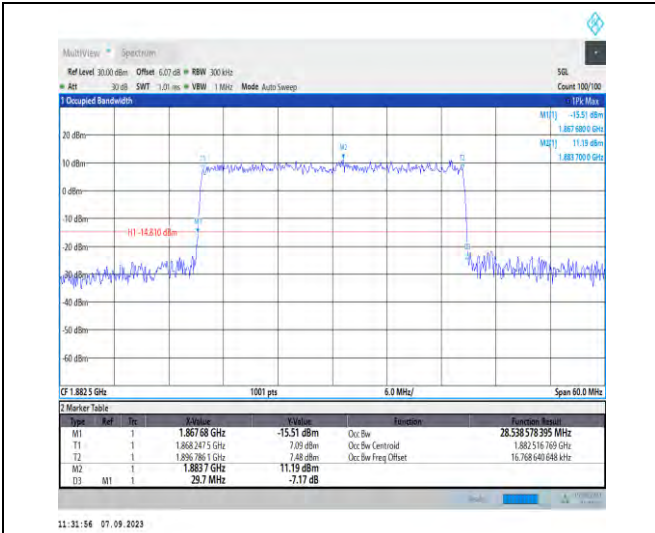
1-N25-PC3-15-30-M-7-CP-16QAM-Outer_Full-160@0 -Ant2-28.593-29.820-≤30-PASS



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1-N25-PC3-15-30-M-8-CP-64QAM-Outer_Full-160@0-Ant2-28.539-29.700-≤30-PASS

1-N25-PC3-15-30-M-9-CP-256QAM-Outer_Full-160@0-Ant2-28.526-29.880-≤30-PASS



1-N25-PC3-15-40-M-1-DFT-QPSK-Outer_Full-216@0-Ant2-38.614-40.160-≤40-PASS

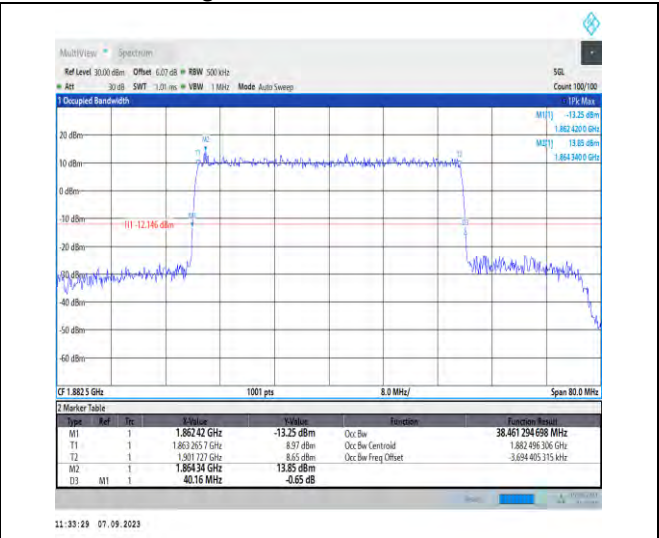
1-N25-PC3-15-40-M-2-DFT-PI2BPSK-Outer_Full-216@0-Ant2-38.521-40.320-≤40-PASS



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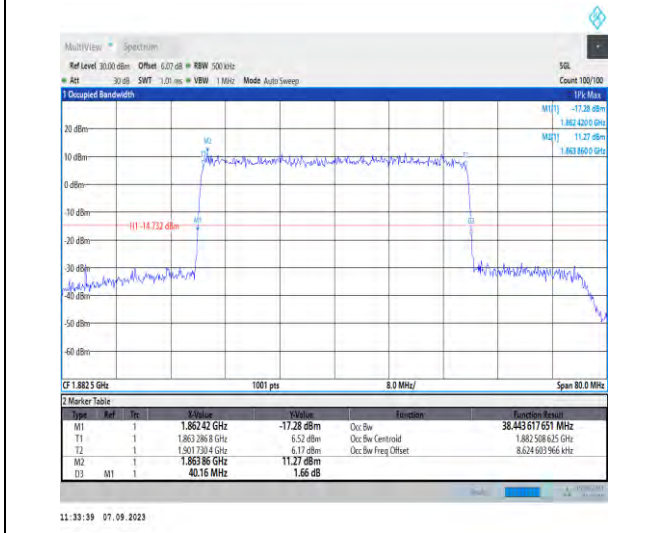
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1-N25-PC3-15-40-M-3-DFT-16QAM-Outer_Full-216 @0-Ant2-38.495-40.160-≤40-PASS

1-N25-PC3-15-40-M-4-DFT-64QAM-Outer_Full-216 @0-Ant2-38.461-40.160-≤40-PASS



1-N25-PC3-15-40-M-5-DFT-256QAM-Outer_Full-216 @0-Ant2-38.444-40.160-≤40-PASS

1-N25-PC3-15-40-M-6-CP-QPSK-Outer_Full-216 @0-Ant2-38.583-40.160-≤40-PASS



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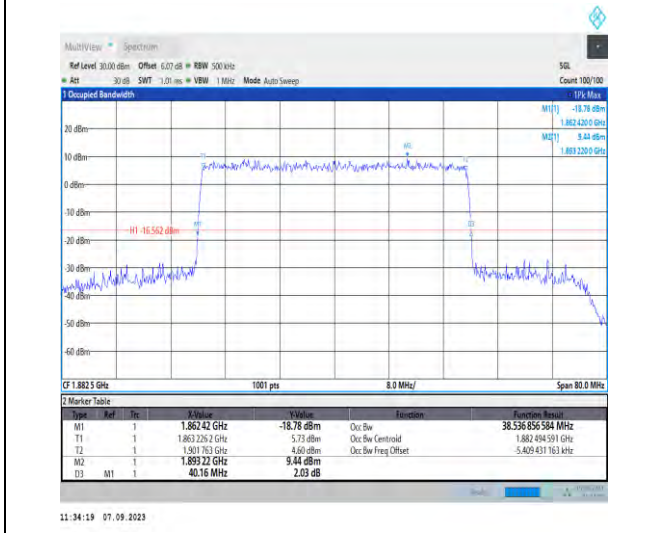
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1-N25-PC3-15-40-M-7-CP-16QAM-Outer_Full-216@
0-Ant2-38.616-40.320-≤40-PASS

1-N25-PC3-15-40-M-8-CP-64QAM-Outer_Full-216@
0-Ant2-38.532-40.160-≤40-PASS



1-N25-PC3-15-40-M-9-CP-256QAM-Outer_Full-216
@0-Ant2-38.537-40.160-≤40-PASS



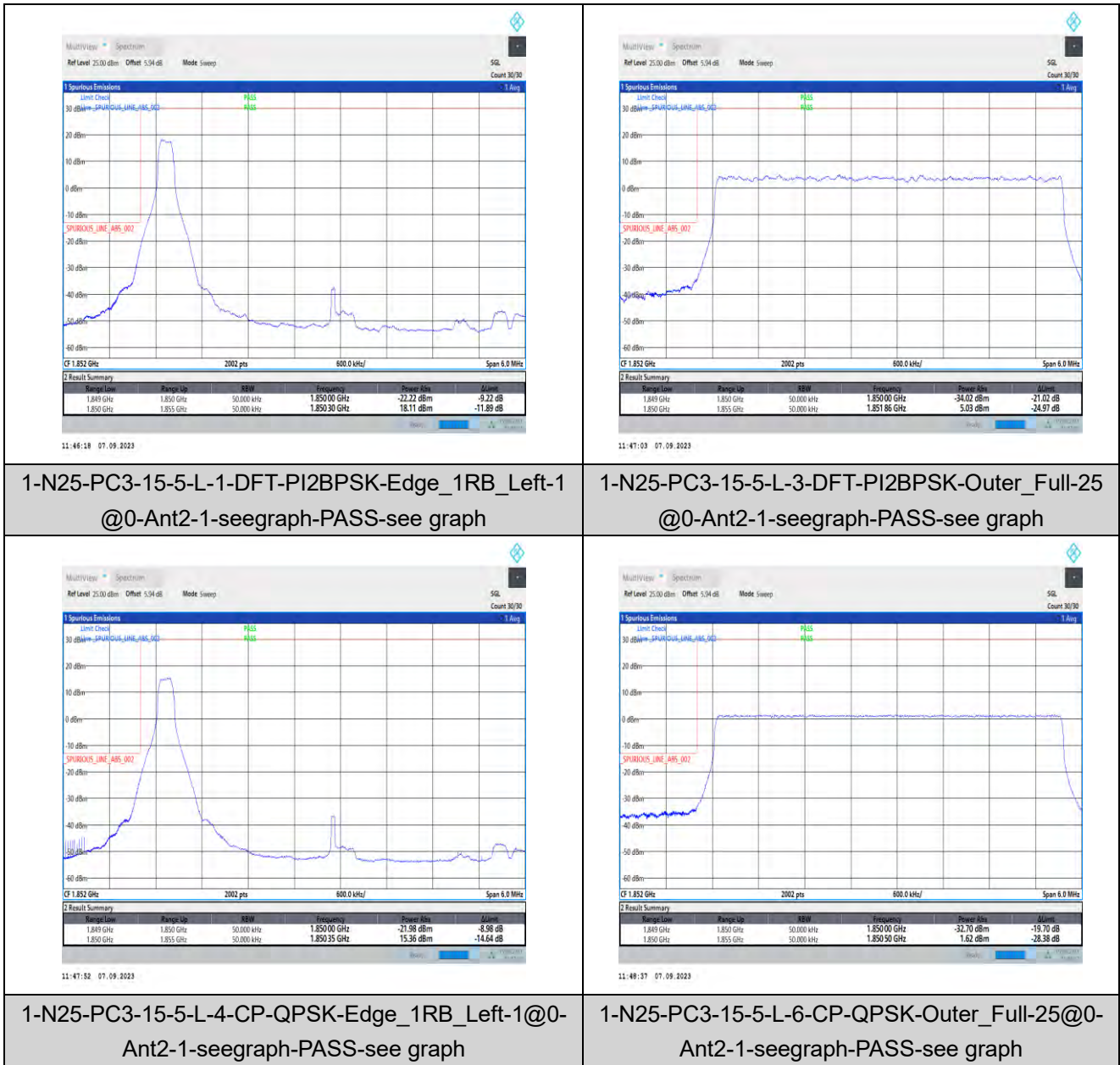
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Band Edge for SA

Test Graphs



1-N25-PC3-15-5-L-1-DFT-PI2BPSK-Edge_1RB_Left-1 @0-Ant2-1-seegraph-PASS-see graph

1-N25-PC3-15-5-L-3-DFT-PI2BPSK-Outer_Full-25 @0-Ant2-1-seegraph-PASS-see graph

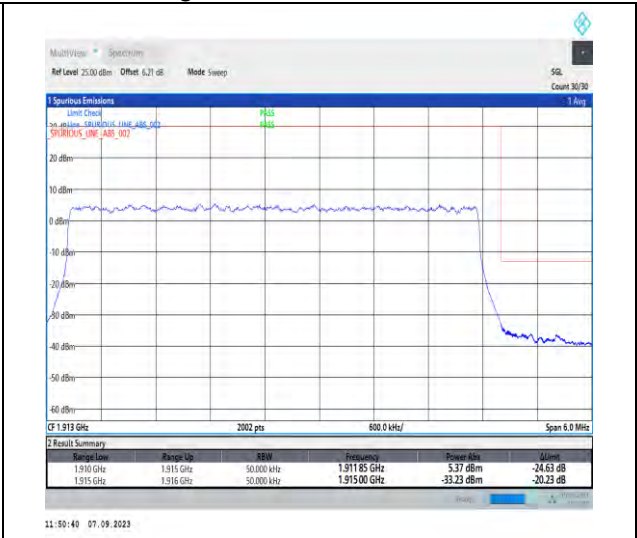
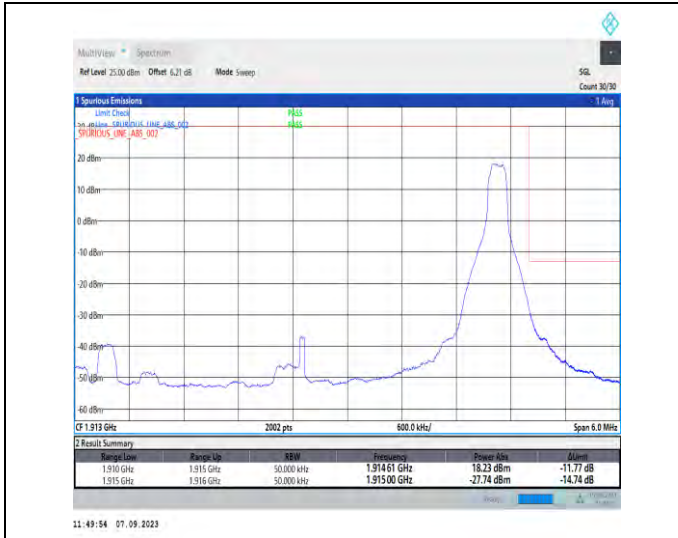
1-N25-PC3-15-5-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant2-1-seegraph-PASS-see graph

1-N25-PC3-15-5-L-6-CP-QPSK-Outer_Full-25@0-Ant2-1-seegraph-PASS-see graph



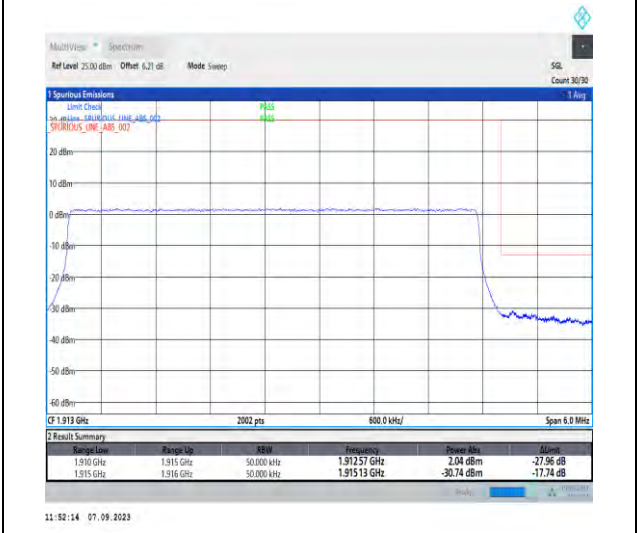
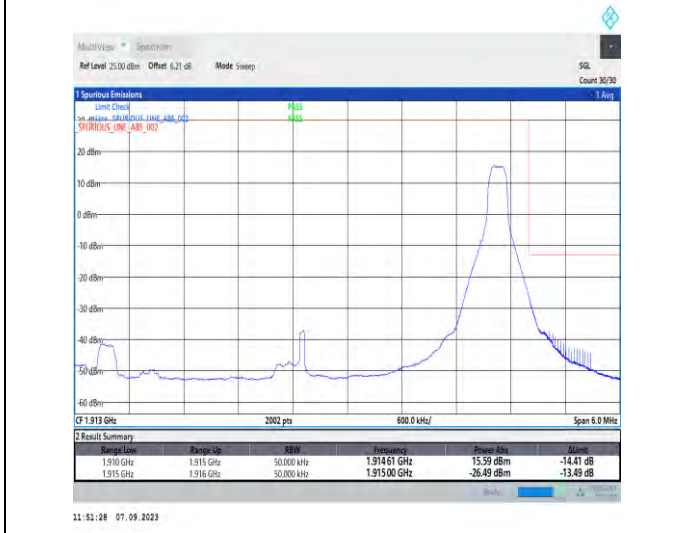
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1-N25-PC3-15-5-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@24-Ant2-1-seegraph-PASS-see graph

1-N25-PC3-15-5-H-3-DFT-PI2BPSK-Outer_Full-25@0-Ant2-1-seegraph-PASS-see graph



1-N25-PC3-15-5-H-5-CP-QPSK-Edge_1RB_Right-1@24-Ant2-1-seegraph-PASS-see graph

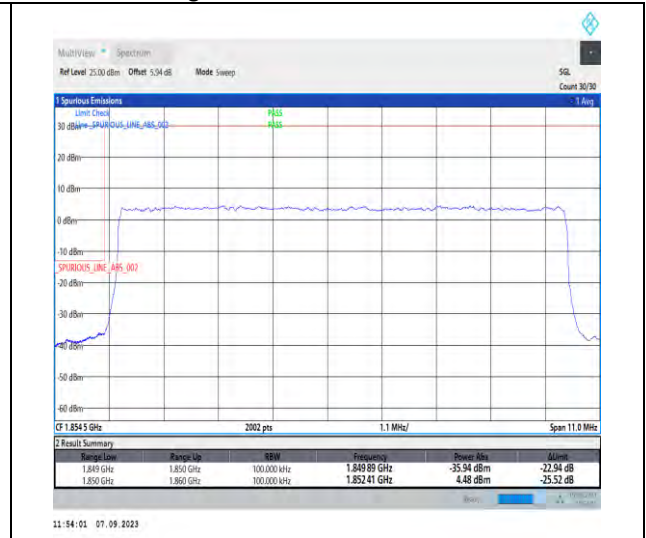
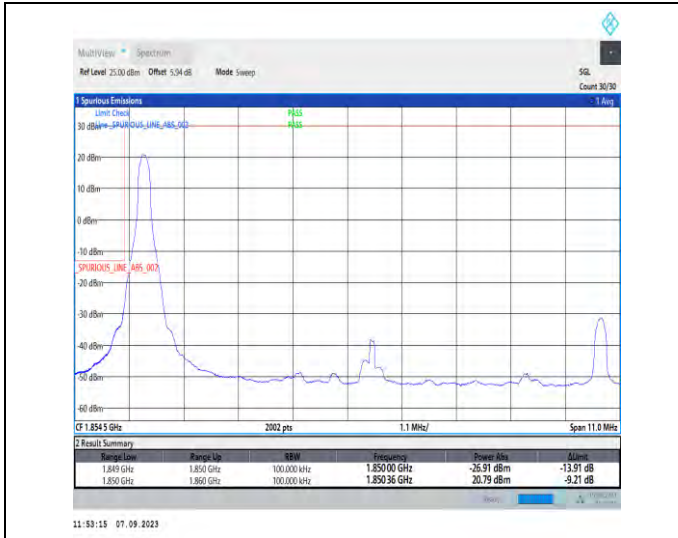
1-N25-PC3-15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant2-1-seegraph-PASS-see graph



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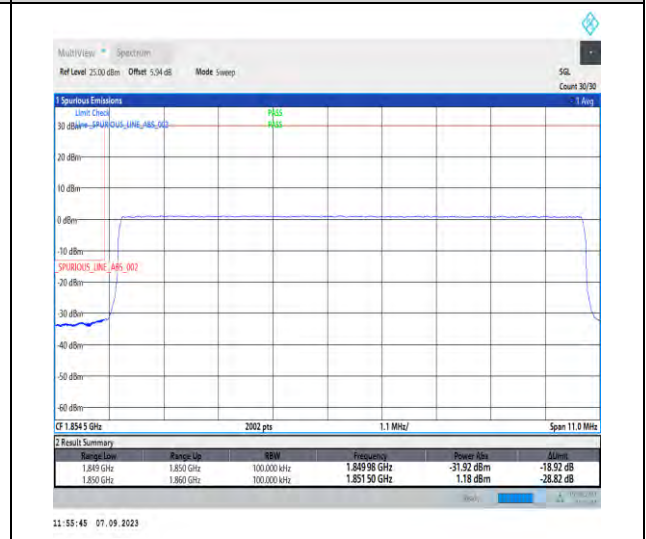
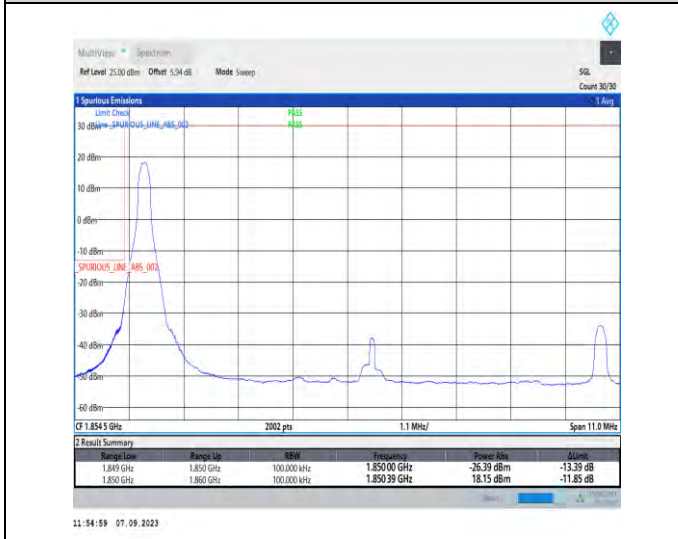
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1-N25-PC3-15-10-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant2-1-seegraph-PASS-see graph

1-N25-PC3-15-10-L-3-DFT-PI2BPSK-Outer_Full-50@0-Ant2-1-seegraph-PASS-see graph



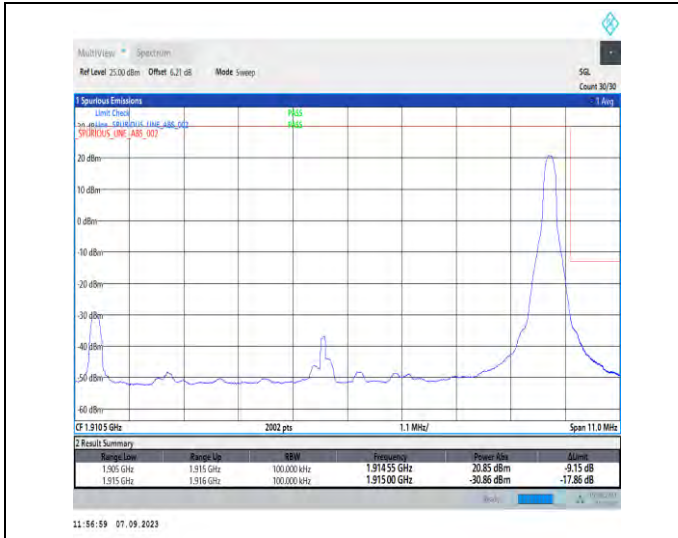
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1-N25-PC3-15-10-L-6-CP-QPSK-Outer_Full-52@0-Ant2-1-seegraph-PASS-see graph



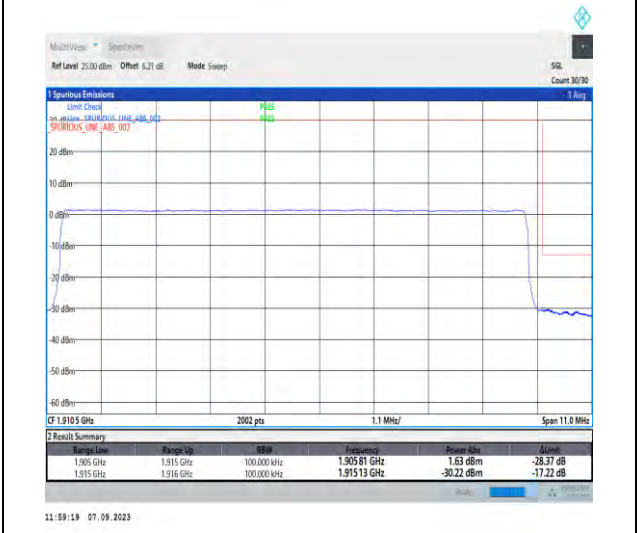
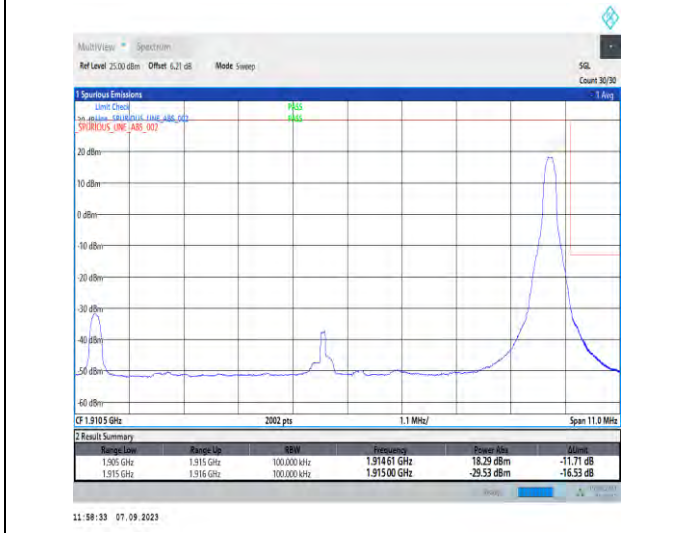
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1-N25-PC3-15-10-H-2-DFT-PI2BPSK-Edge_1RB_Right-t@51-Ant2-1-seegraph-PASS-see graph

1-N25-PC3-15-10-H-3-DFT-PI2BPSK-Outer_Full-50@0-Ant2-1-seegraph-PASS-see graph



1-N25-PC3-15-10-H-5-CP-QPSK-Edge_1RB_Right-1@51-Ant2-1-seegraph-PASS-see graph

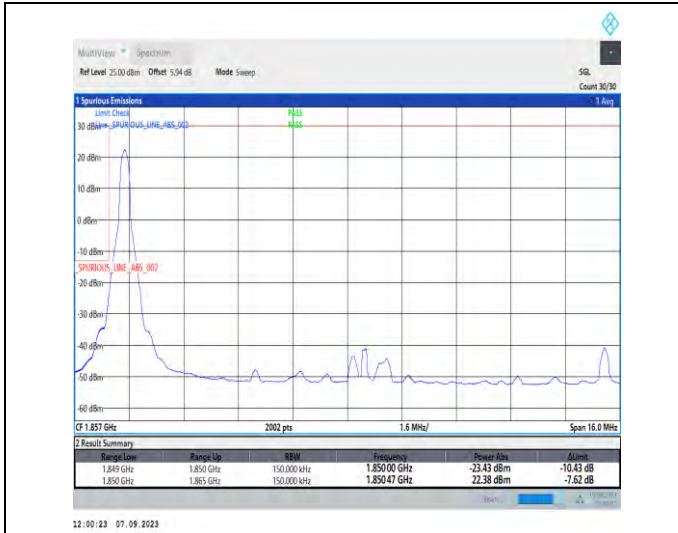
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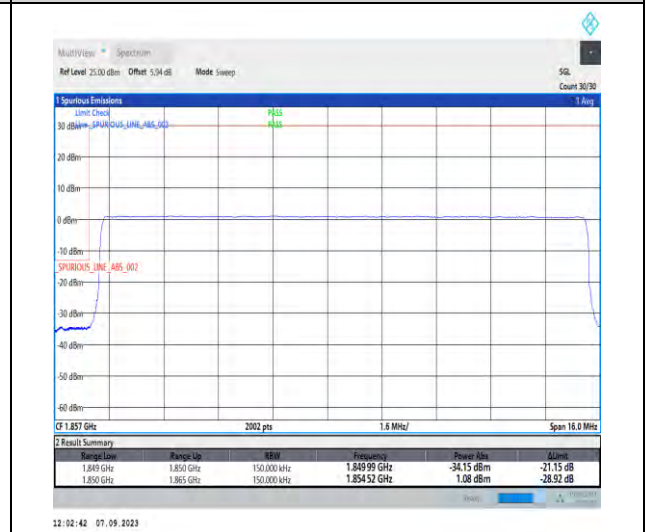
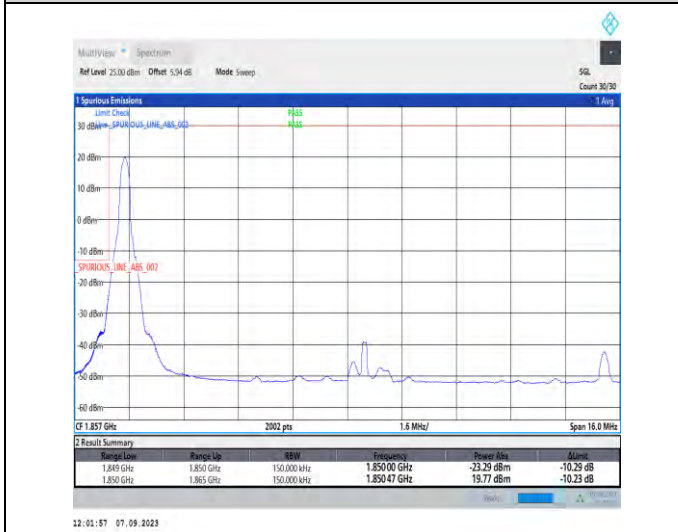
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1-N25-PC3-15-15-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant2-1-seegraph-PASS-see graph

1-N25-PC3-15-15-L-3-DFT-PI2BPSK-Outer_Full-75@0-Ant2-1-seegraph-PASS-see graph



1-N25-PC3-15-15-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant2-1-seegraph-PASS-see graph

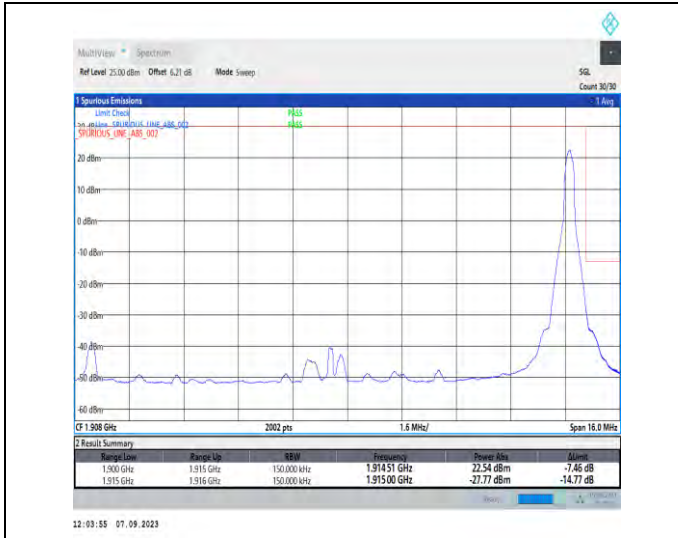
1-N25-PC3-15-15-L-6-CP-QPSK-Outer_Full-79@0-Ant2-1-seegraph-PASS-see graph



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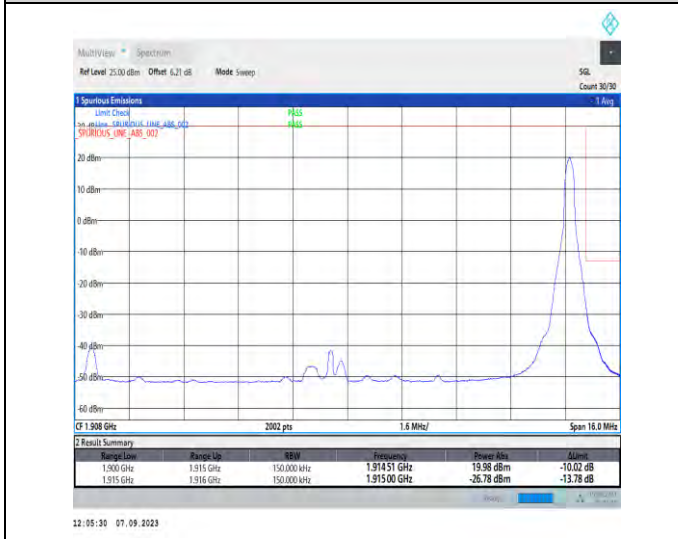
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1-N25-PC3-15-15-H-2-DFT-PI2BPSK-Edge_1RB_Right-t1@78-Ant2-1-seegraph-PASS-see graph

1-N25-PC3-15-15-H-3-DFT-PI2BPSK-Outer_Full-75@0-Ant2-1-seegraph-PASS-see graph



1-N25-PC3-15-15-H-5-CP-QPSK-Edge_1RB_Right-1@78-Ant2-1-seegraph-PASS-see graph

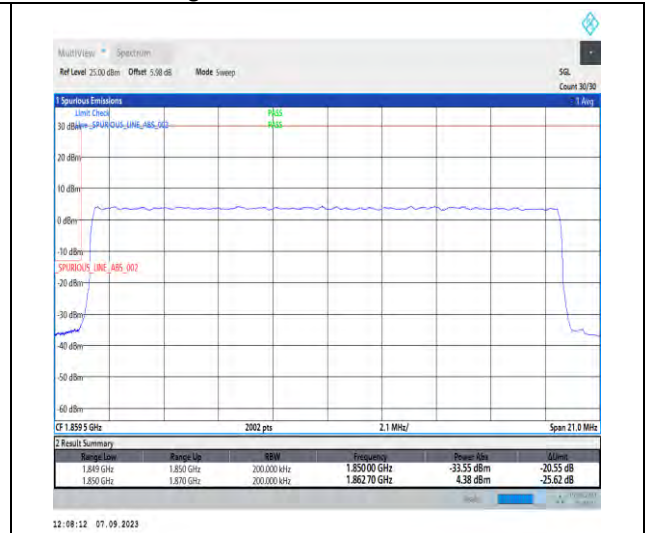
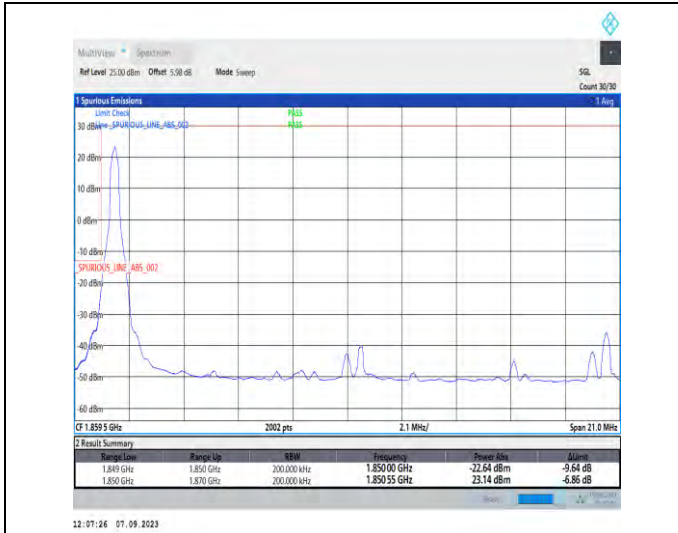
1-N25-PC3-15-15-H-6-CP-QPSK-Outer_Full-79@0-Ant2-1-seegraph-PASS-see graph



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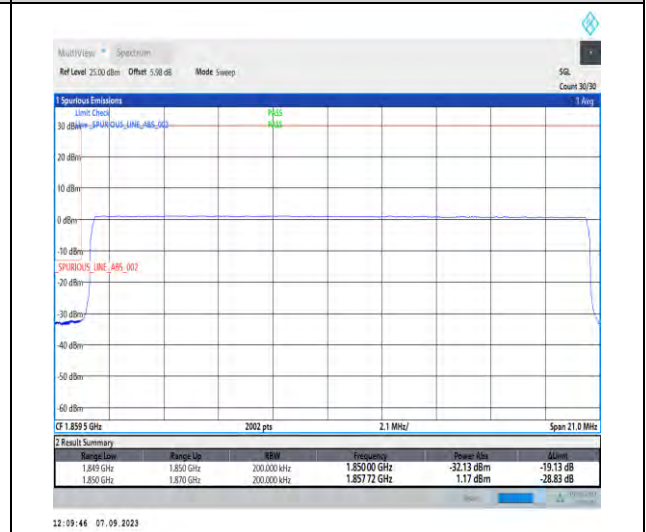
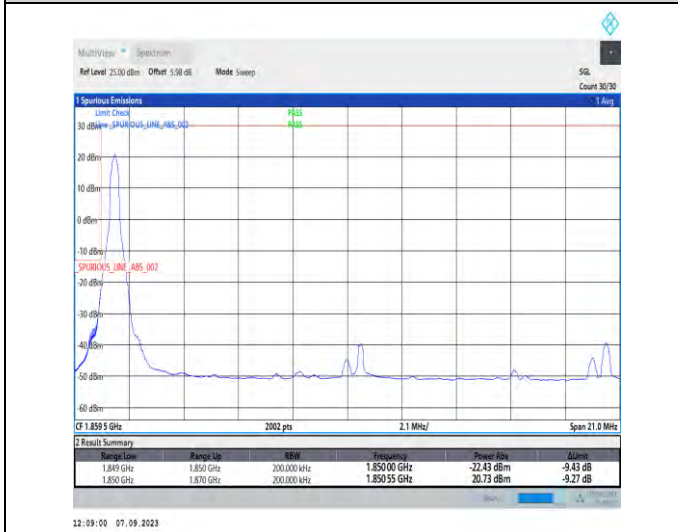
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1-N25-PC3-15-20-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant2-1-seegraph-PASS-see graph

1-N25-PC3-15-20-L-3-DFT-PI2BPSK-Outer_Full-100@0-Ant2-1-seegraph-PASS-see graph



1-N25-PC3-15-20-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant2-1-seegraph-PASS-see graph

1-N25-PC3-15-20-L-6-CP-QPSK-Outer_Full-106@0-Ant2-1-seegraph-PASS-see graph



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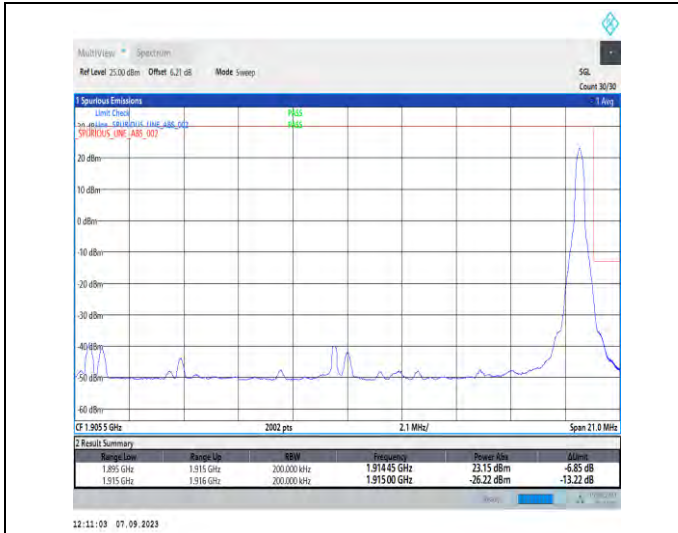
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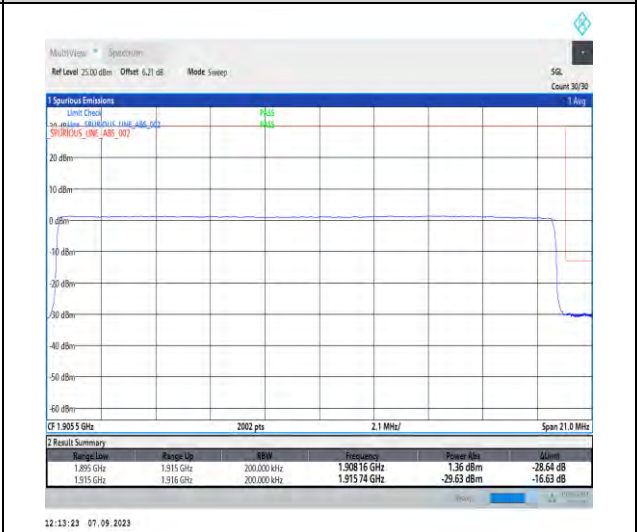
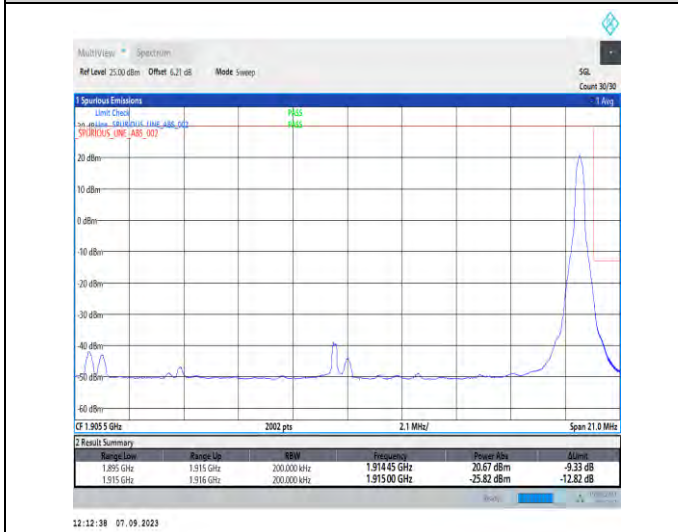
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1-N25-PC3-15-20-H-2-DFT-PI2BPSK-Edge_1RB_Right-t-1@105-Ant2-1-seegraph-PASS-see graph

1-N25-PC3-15-20-H-3-DFT-PI2BPSK-Outer_Full-100@0-Ant2-1-seegraph-PASS-see graph



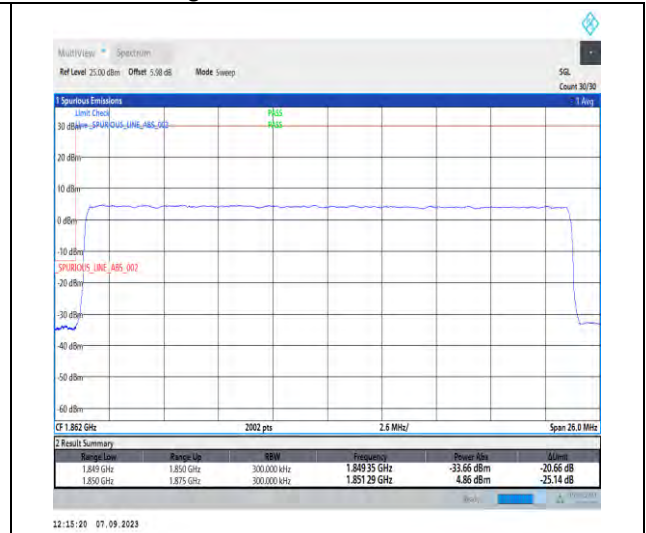
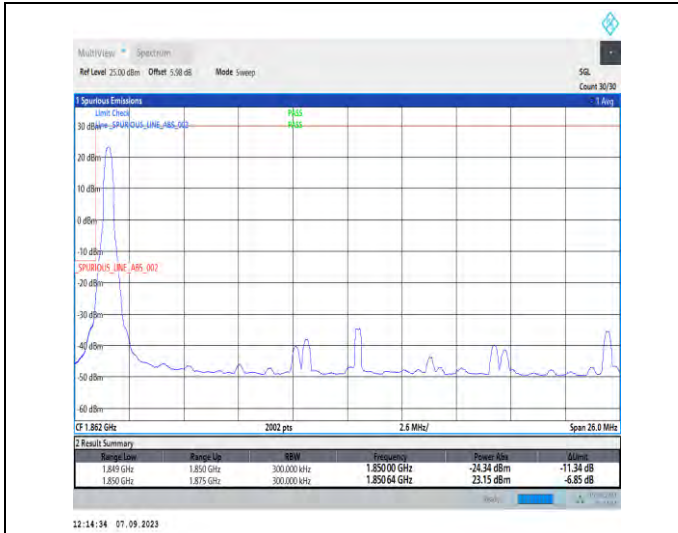
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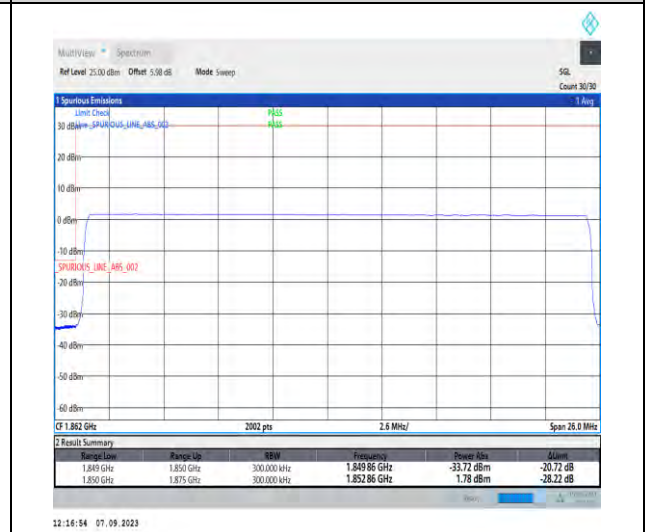
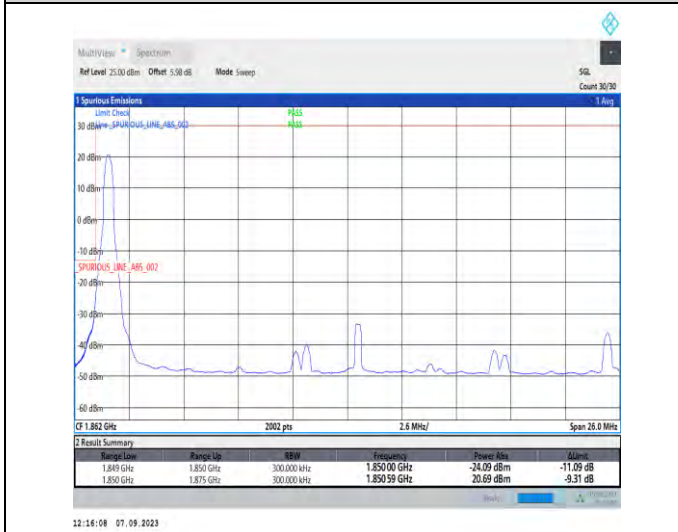
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1-N25-PC3-15-25-L-3-DFT-PI2BPSK-Outer_Full-128@0-Ant2-1-seegraph-PASS-see graph



1-N25-PC3-15-25-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant2-1-seegraph-PASS-see graph

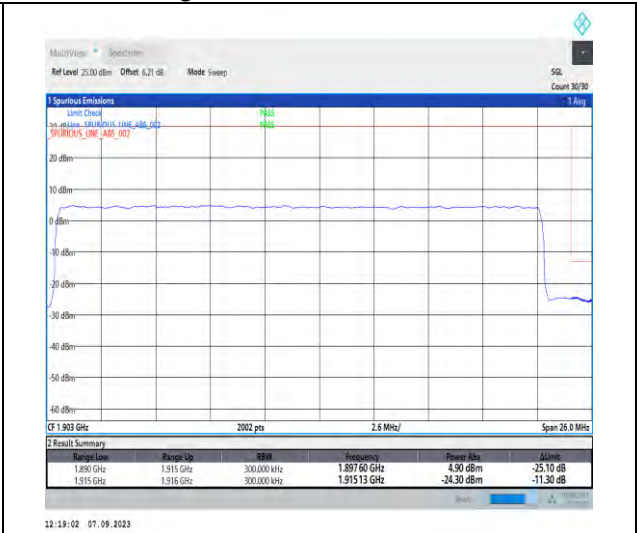
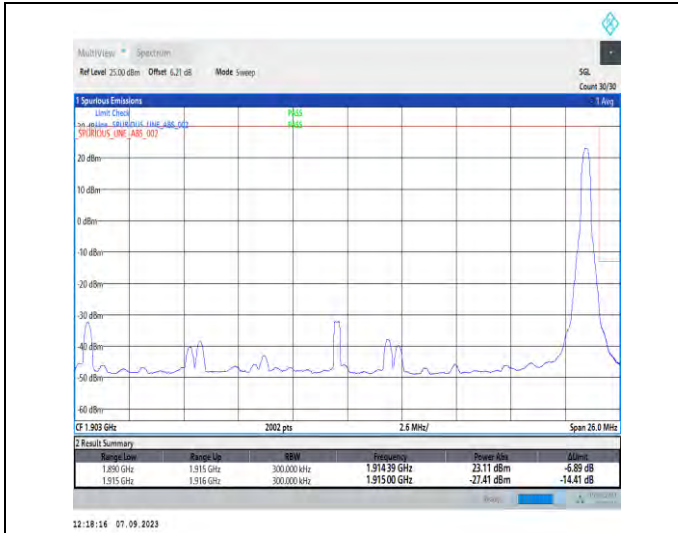
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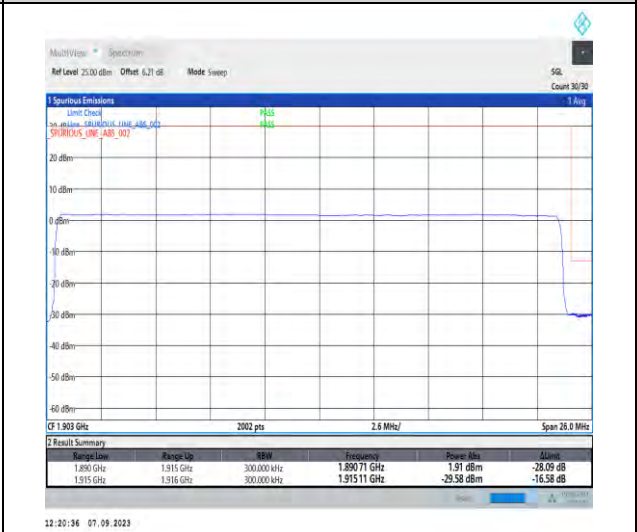
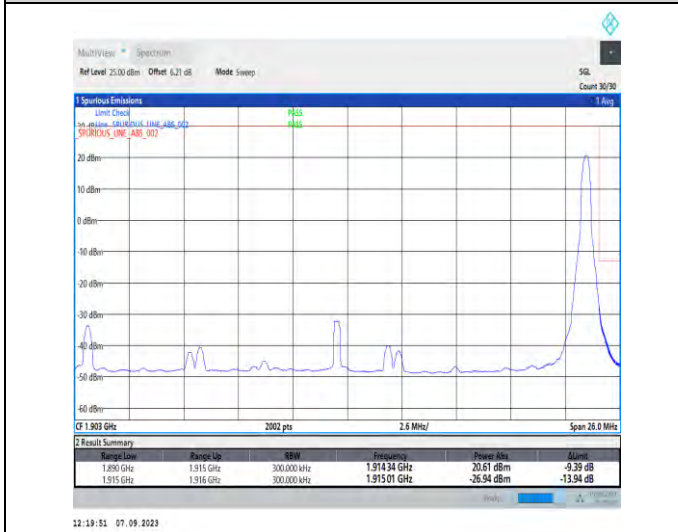
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1-N25-PC3-15-25-H-2-DFT-PI2BPSK-Edge_1RB_Right-t-1@132-Ant2-1-seegraph-PASS-see graph

1-N25-PC3-15-25-H-3-DFT-PI2BPSK-Outer_Full-1-28@0-Ant2-1-seegraph-PASS-see graph



1-N25-PC3-15-25-H-5-CP-QPSK-Edge_1RB_Right-1@132-Ant2-1-seegraph-PASS-see graph

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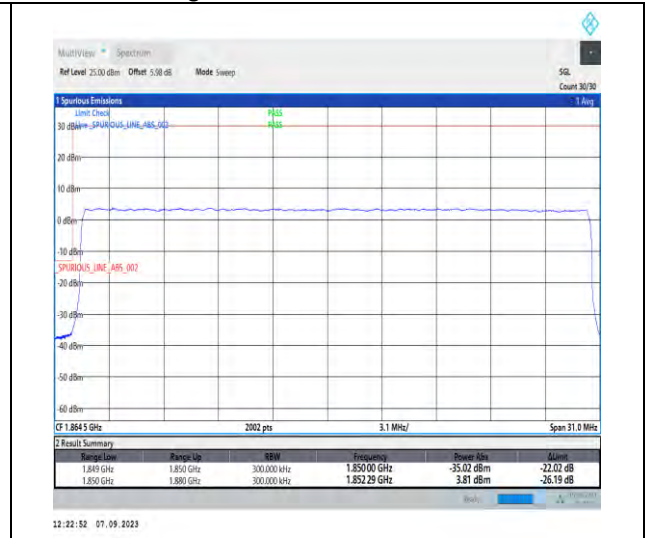


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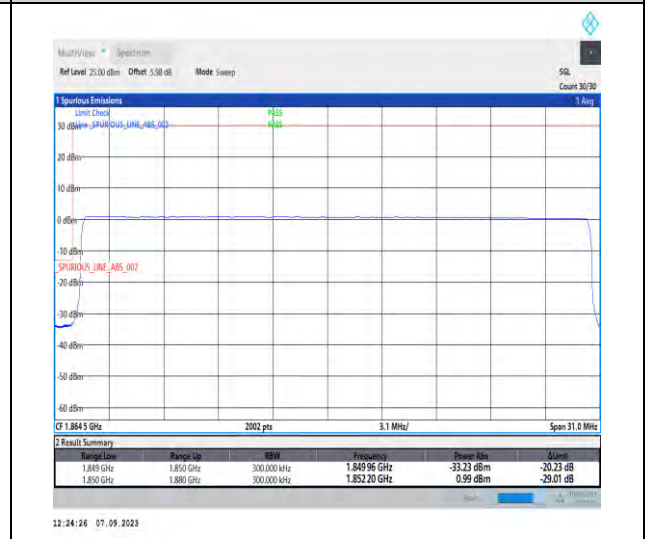
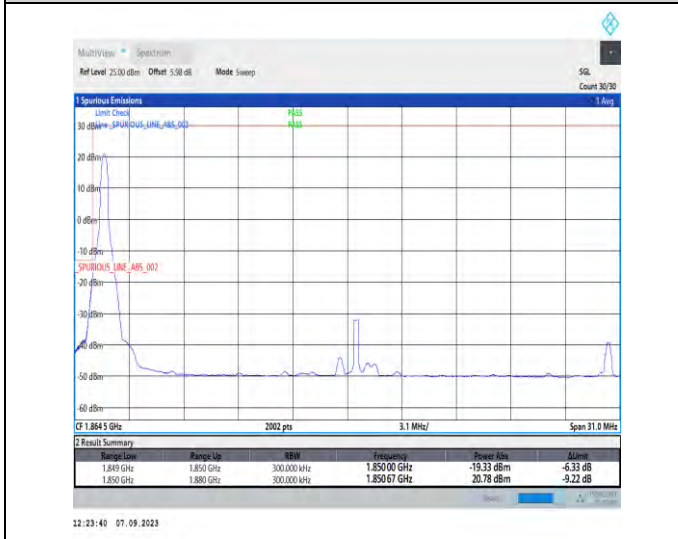
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1-N25-PC3-15-30-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant2-1-seegraph-PASS-see graph

1-N25-PC3-15-30-L-3-DFT-PI2BPSK-Outer_Full-160@0-Ant2-1-seegraph-PASS-see graph



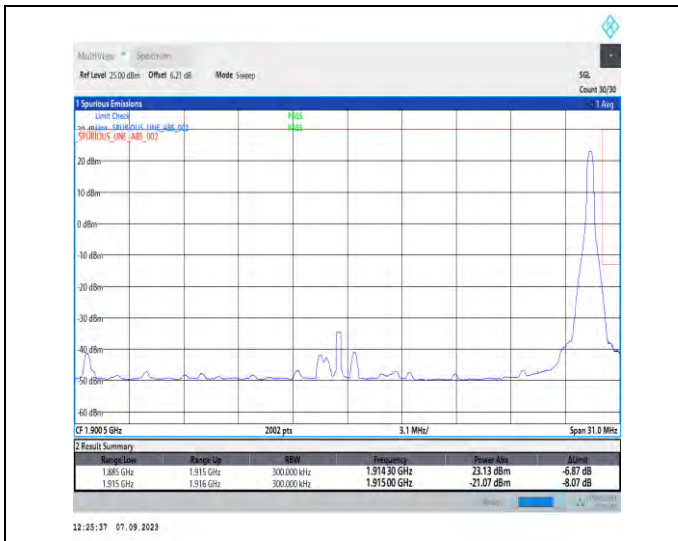
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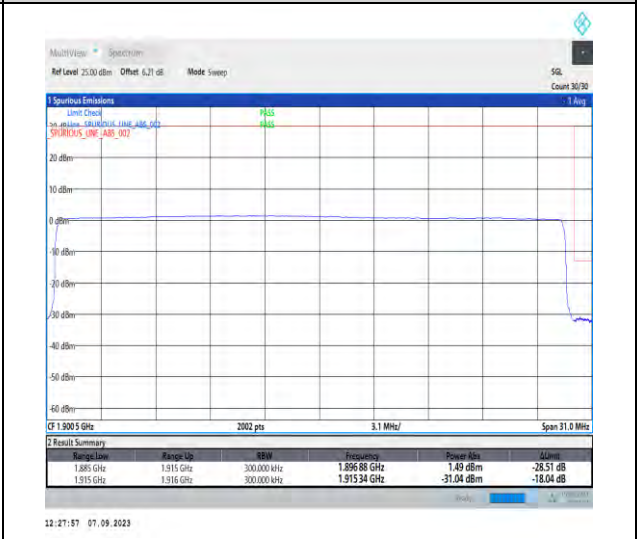
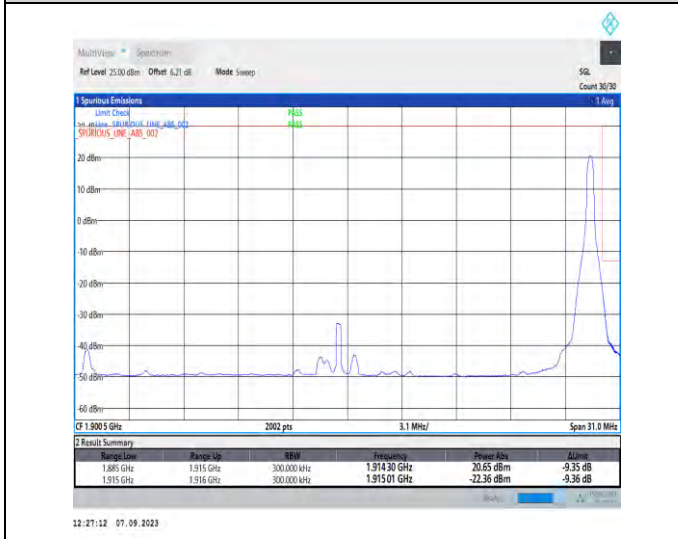
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1-N25-PC3-15-30-H-2-DFT-PI2BPSK-Edge_1RB_Right-t-1@159-Ant2-1-seegraph-PASS-see graph

1-N25-PC3-15-30-H-3-DFT-PI2BPSK-Outer_Full-160@0-Ant2-1-seegraph-PASS-see graph



1-N25-PC3-15-30-H-5-CP-QPSK-Edge_1RB_Right-1@159-Ant2-1-seegraph-PASS-see graph

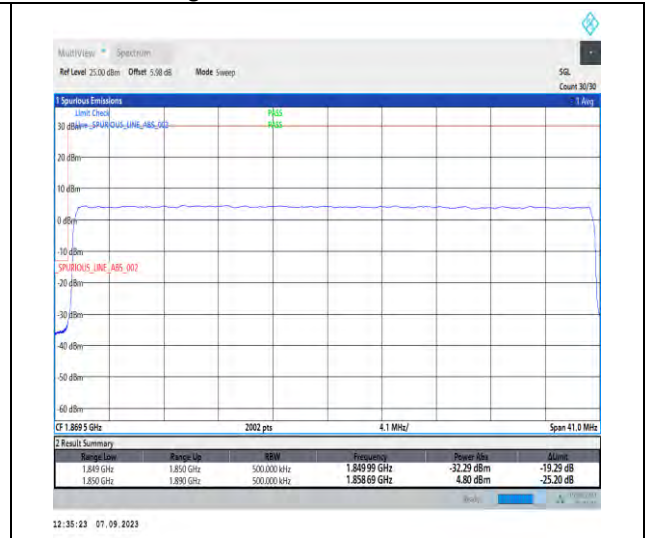
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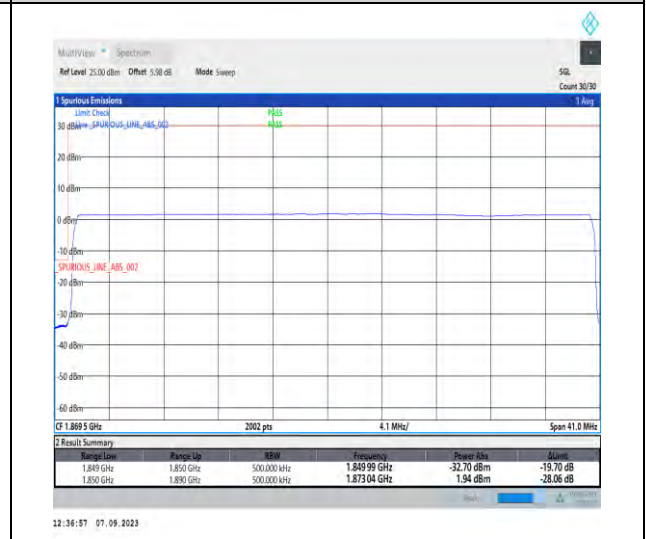
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1-N25-PC3-15-40-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant2-1-seegraph-PASS-see graph

1-N25-PC3-15-40-L-3-DFT-PI2BPSK-Outer_Full-216@0-Ant2-1-seegraph-PASS-see graph



1-N25-PC3-15-40-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant2-1-seegraph-PASS-see graph

1-N25-PC3-15-40-L-6-CP-QPSK-Outer_Full-216@0-Ant2-1-seegraph-PASS-see graph



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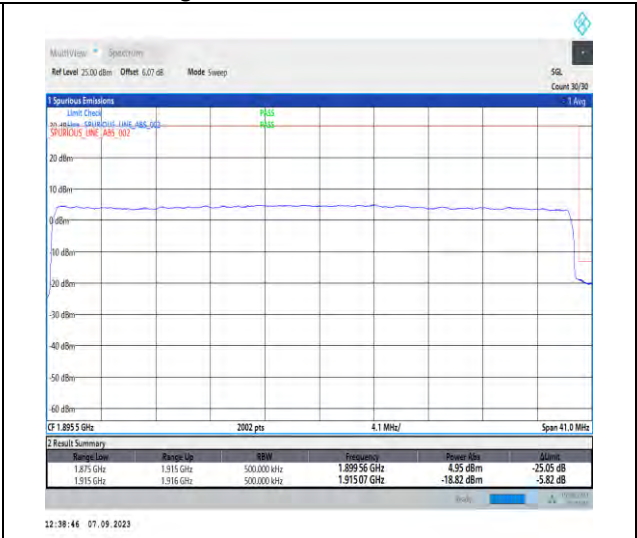
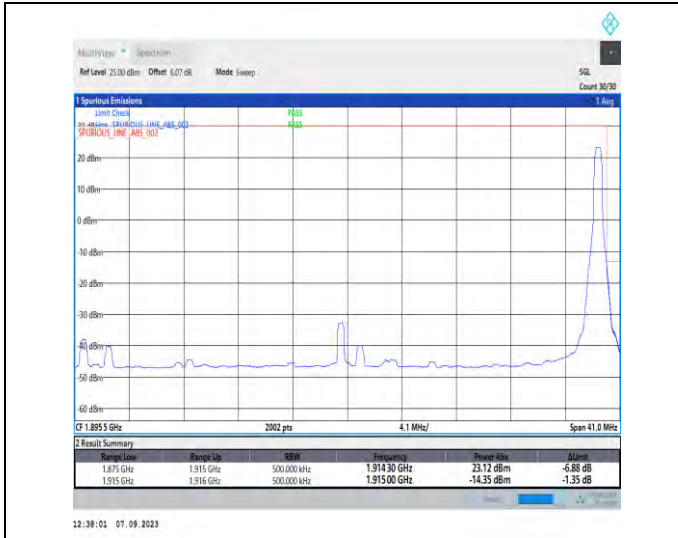
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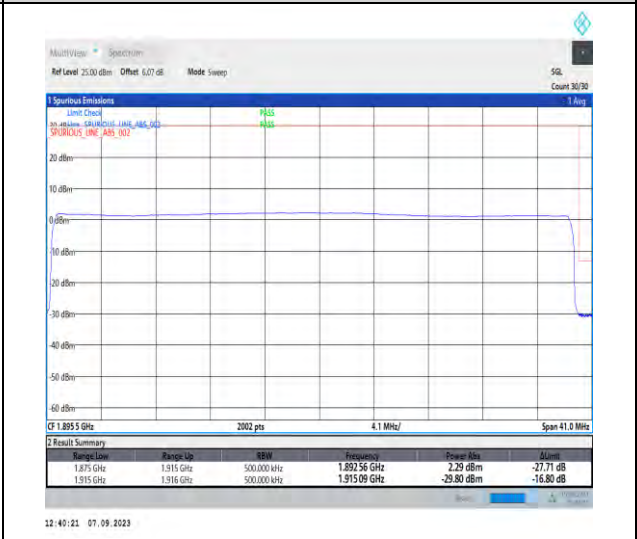
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1-N25-PC3-15-40-H-2-DFT-PI2BPSK-Edge_1RB_Right-t-1@215-Ant2-1-seegraph-PASS-see graph

1-N25-PC3-15-40-H-3-DFT-PI2BPSK-Outer_Full-216@0-Ant2-1-seegraph-PASS-see graph



1-N25-PC3-15-40-H-5-CP-QPSK-Edge_1RB_Right-1@215-Ant2-1-seegraph-PASS-see graph

1-N25-PC3-15-40-H-6-CP-QPSK-Outer_Full-216@0-Ant2-1-seegraph-PASS-see graph



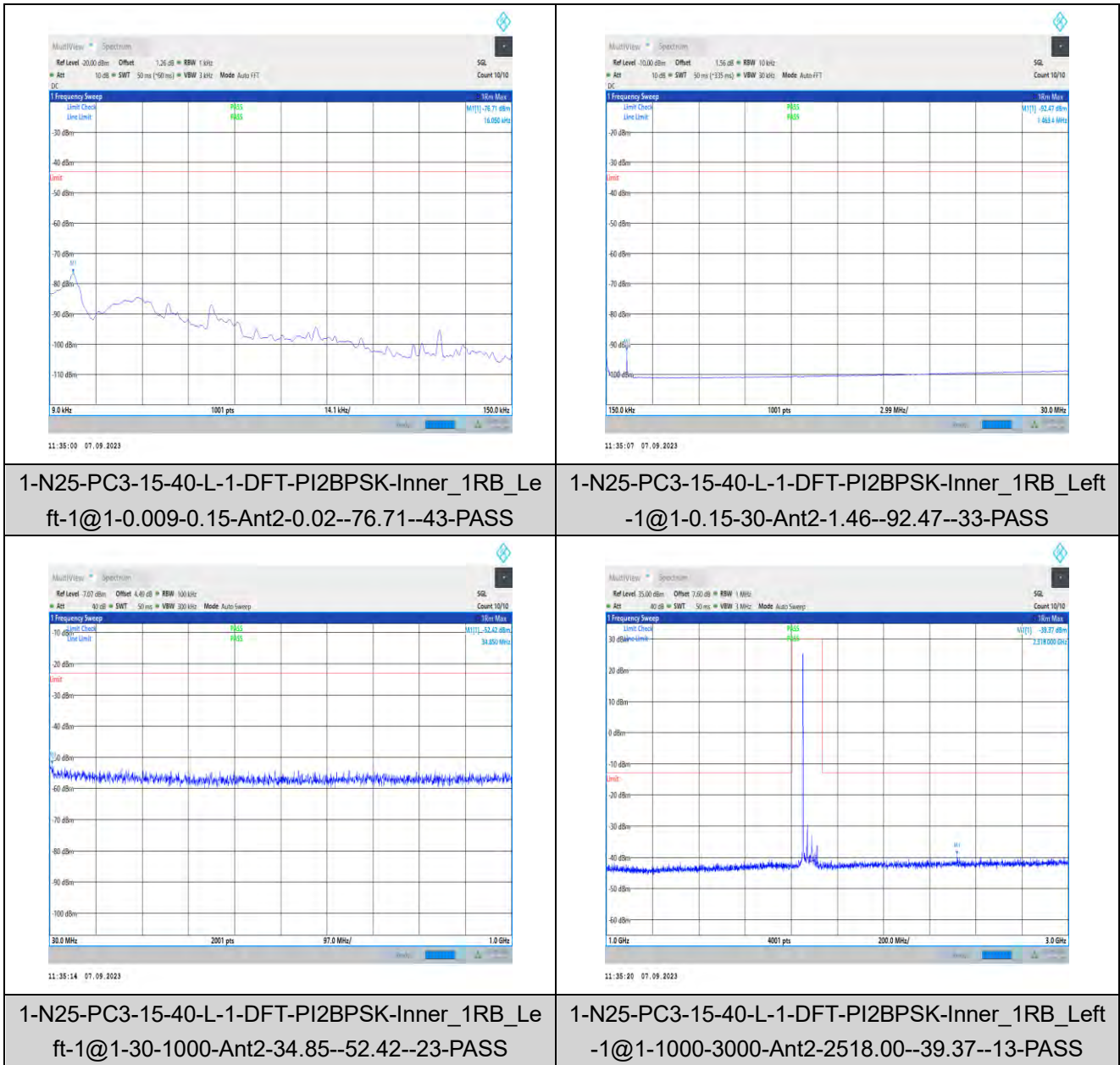
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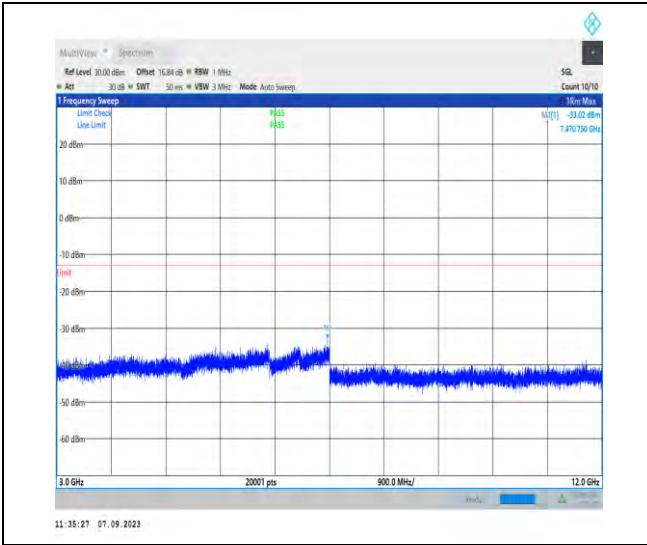
Conducted Spurious Emission for SA

Test Graphs

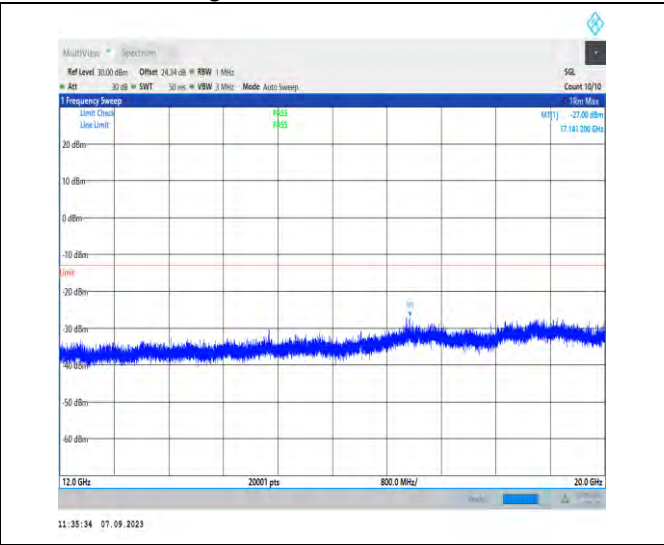


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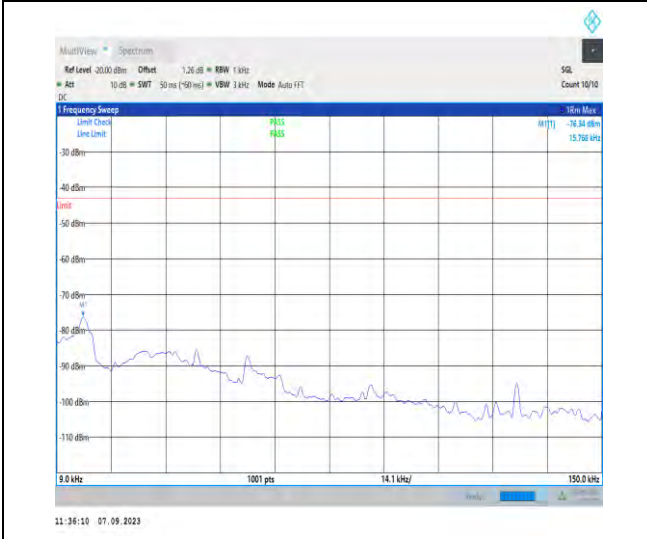
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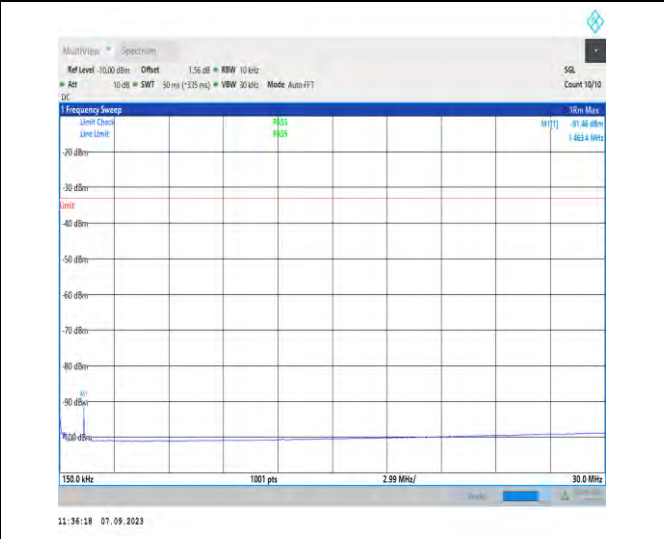
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1-N25-PC3-15-40-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-12000-20000-Ant2-17141.20--27.00--13-PASS



1-N25-PC3-15-40-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-Ant2-0.02--76.34--43-PASS



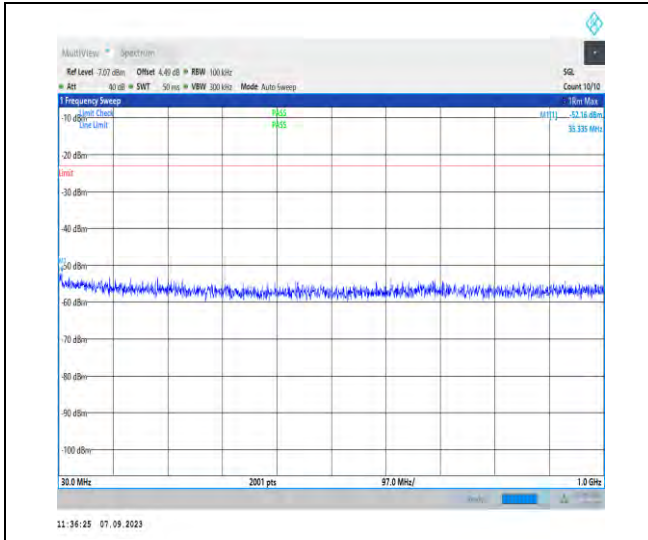
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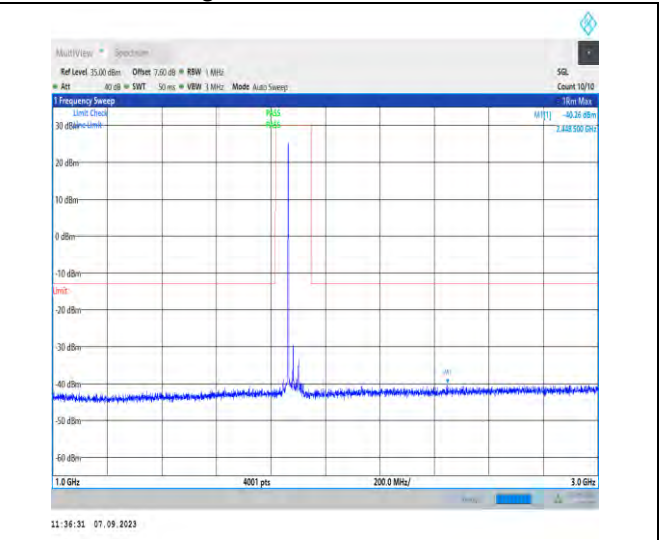
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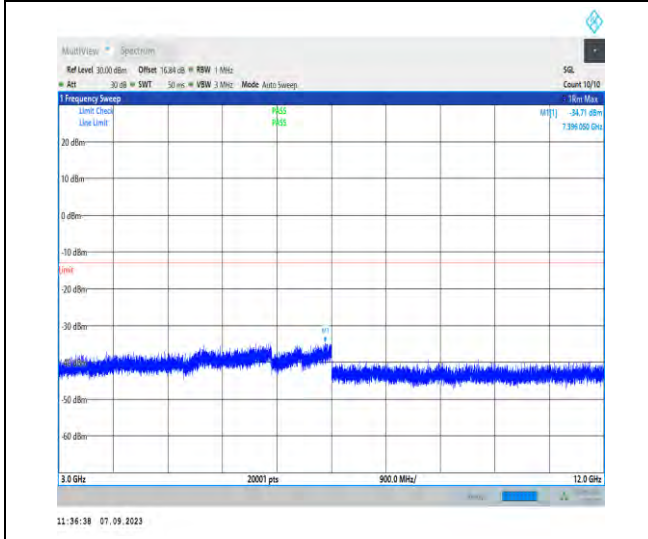
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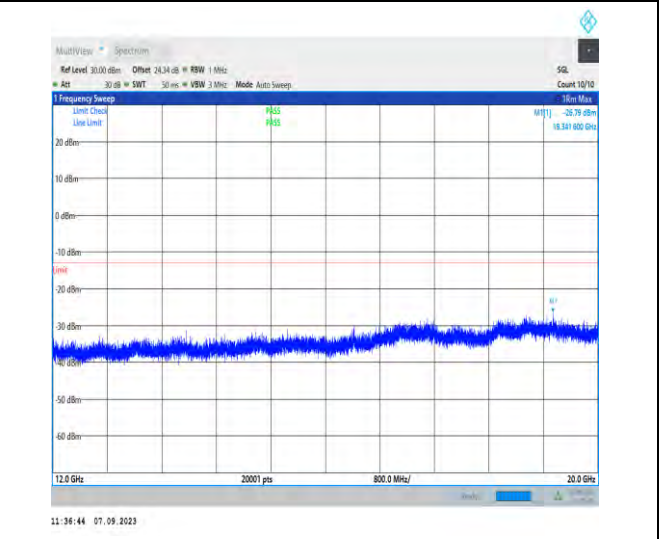
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1-N25-PC3-15-40-M-1-DFT-PI2BPSK-Inner_1RB_L ef t-1@1-1000-3000-Ant2-2448.50--40.26--13-PASS



1-N25-PC3-15-40-M-1-DFT-PI2BPSK-Inner_1RB_L eft-1@1-3000-12000-Ant2-7396.05--34.71--13-PAS S

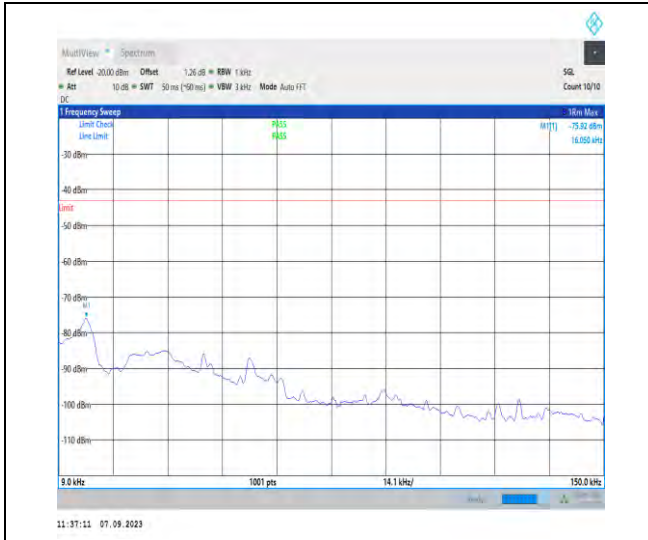


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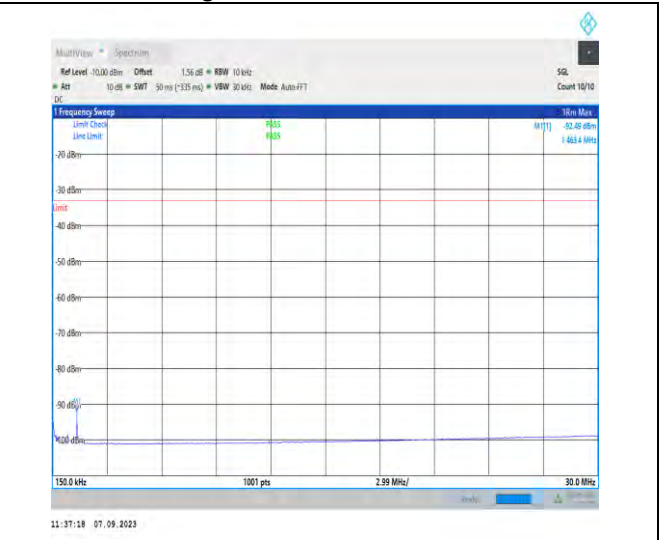


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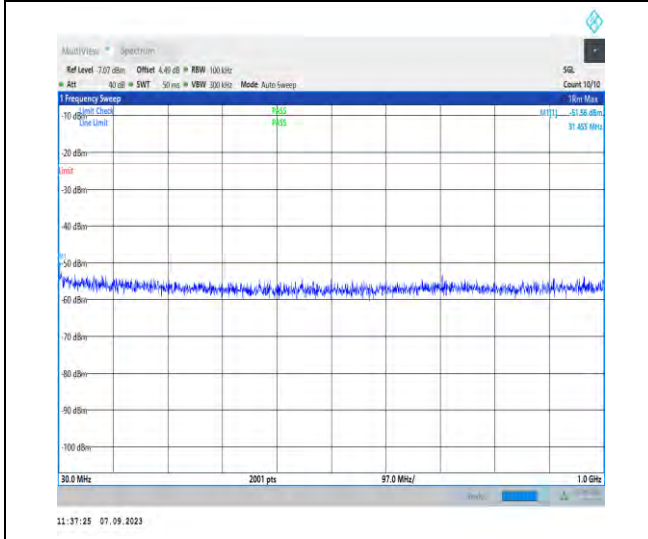
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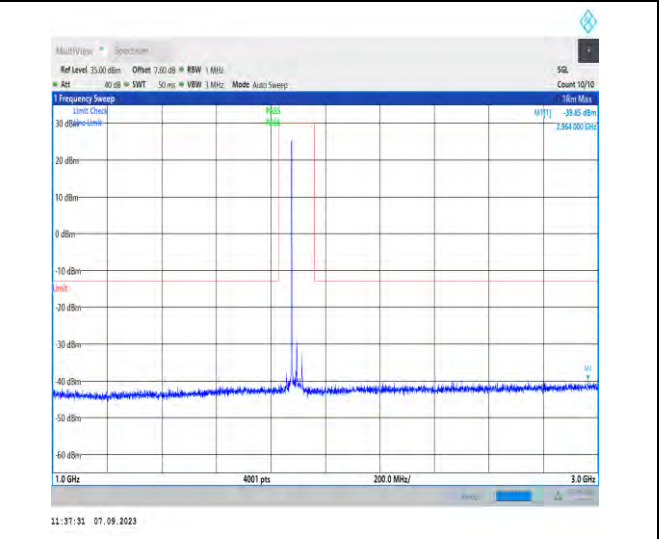
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1-N25-PC3-15-40-H-1-DFT-PI2BPSK-Inner_1RB_L ef t-1@1-0.15-30-Ant2-1.46--92.57--33-PASS



1-N25-PC3-15-40-H-1-DFT-PI2BPSK-Inner_1RB_L eft-1@1-30-1000-Ant2-31.46--51.56--23-PASS



1-N25-PC3-15-40-H-1-DFT-PI2BPSK-Inner_1RB_L ef t-1@1-1000-3000-Ant2-2964.00--39.85--13-PASS

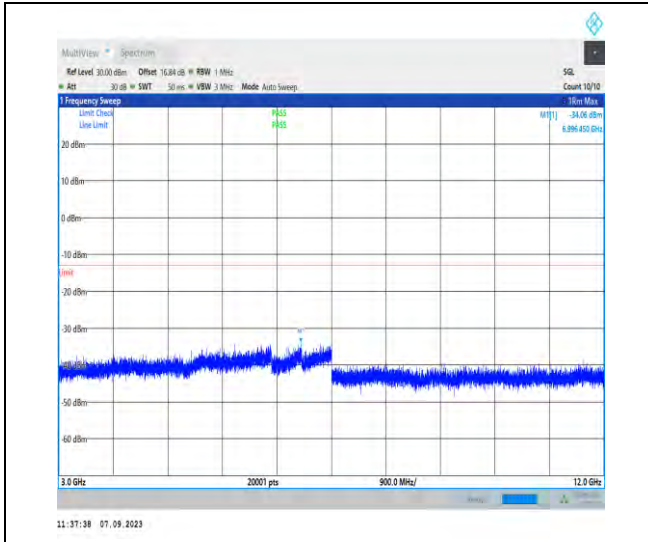


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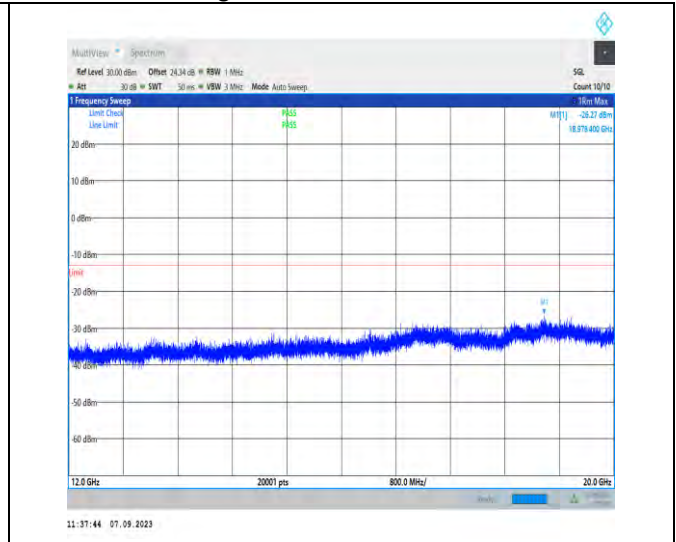
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eft-1@1-3000-12000-Ant2-6996.45--34.06--13-PAS
S



1-N25-PC3-15-40-H-1-DFT-PI2BPSK-Inner_1RB_Lef
t-1@1-12000-20000-Ant2-18978.40--26.27--13-PASS



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Field Strength of Spurious Radiation

Test Band = SA Band 25_40MHz_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	3704.18	44.54	-48.50	28.99	-70.23	-13.00	57.23	Horizontal
2	5556.27	44.00	-47.66	32.71	-66.21	-13.00	53.21	Horizontal
3	7408.36	42.82	-46.17	36.58	-62.03	-13.00	49.03	Horizontal
4	9260.45	40.06	-43.14	37.83	-60.50	-13.00	47.50	Horizontal
5	11112.54	37.50	-40.36	39.38	-58.74	-13.00	45.74	Horizontal
6	12964.63	37.00	-39.40	38.62	-59.04	-13.00	46.04	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3704.18	44.50	-48.50	28.99	-70.27	-13.00	57.27	Vertical
2	5556.27	44.16	-47.66	32.71	-66.05	-13.00	53.05	Vertical
3	7408.36	42.97	-46.17	36.58	-61.88	-13.00	48.88	Vertical
4	9260.45	39.89	-43.14	37.83	-60.67	-13.00	47.67	Vertical
5	11112.54	37.93	-40.36	39.38	-58.31	-13.00	45.31	Vertical
6	12964.63	37.29	-39.40	38.62	-58.75	-13.00	45.75	Vertical



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Test Band = SA Band 25_40MHz_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	3729.18	43.59	-48.41	29.02	-71.06	-13.00	58.06	Horizontal
2	5593.77	43.39	-47.69	32.72	-66.85	-13.00	53.85	Horizontal
3	7458.36	42.32	-46.17	36.70	-62.41	-13.00	49.41	Horizontal
4	9322.95	40.44	-42.92	37.89	-59.85	-13.00	46.85	Horizontal
5	11187.54	37.97	-40.34	39.36	-58.27	-13.00	45.27	Horizontal
6	13052.13	37.63	-38.87	38.72	-57.78	-13.00	44.78	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3729.18	43.74	-48.41	29.02	-70.91	-13.00	57.91	Vertical
2	5593.77	43.74	-47.69	32.72	-66.50	-13.00	53.50	Vertical
3	7458.36	42.15	-46.17	36.70	-62.58	-13.00	49.58	Vertical
4	9322.95	40.57	-42.92	37.89	-59.72	-13.00	46.72	Vertical
5	11187.54	37.09	-40.34	39.36	-59.15	-13.00	46.15	Vertical
6	13052.13	37.09	-38.87	38.72	-58.32	-13.00	45.32	Vertical



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Test Band = SA Band 25_40MHz_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	3754.18	43.67	-48.33	29.06	-70.86	-13.00	57.86	Horizontal
2	5631.27	43.15	-47.63	32.73	-67.02	-13.00	54.02	Horizontal
3	7508.36	41.76	-46.03	36.79	-62.74	-13.00	49.74	Horizontal
4	9385.45	40.10	-43.03	37.95	-60.24	-13.00	47.24	Horizontal
5	11262.54	38.41	-40.42	39.35	-57.92	-13.00	44.92	Horizontal
6	13139.63	37.22	-38.52	38.92	-57.64	-13.00	44.64	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3754.18	44.38	-48.33	29.06	-70.15	-13.00	57.15	Vertical
2	5631.27	43.45	-47.63	32.73	-66.72	-13.00	53.72	Vertical
3	7508.36	41.39	-46.03	36.79	-63.11	-13.00	50.11	Vertical
4	9385.45	39.90	-43.03	37.95	-60.44	-13.00	47.44	Vertical
5	11262.54	37.69	-40.42	39.35	-58.64	-13.00	45.64	Vertical
6	13139.63	36.73	-38.52	38.92	-58.13	-13.00	45.13	Vertical



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Test Band = NSA DC_66A_n25A_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	3704.18	44.50	-48.50	28.99	-70.27	-13.00	57.27	Horizontal
2	5556.27	43.83	-47.66	32.71	-66.38	-13.00	53.38	Horizontal
3	7408.36	42.15	-46.17	36.58	-62.70	-13.00	49.70	Horizontal
4	9260.45	40.25	-43.14	37.83	-60.31	-13.00	47.31	Horizontal
5	11112.54	37.16	-40.36	39.38	-59.08	-13.00	46.08	Horizontal
6	12964.63	37.22	-39.40	38.62	-58.82	-13.00	45.82	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3704.18	44.16	-48.50	28.99	-70.61	-13.00	57.61	Vertical
2	5556.27	44.09	-47.66	32.71	-66.12	-13.00	53.12	Vertical
3	7408.36	42.24	-46.17	36.58	-62.61	-13.00	49.61	Vertical
4	9260.45	40.23	-43.14	37.83	-60.33	-13.00	47.33	Vertical
5	11112.54	38.22	-40.36	39.38	-58.02	-13.00	45.02	Vertical
6	12964.63	36.72	-39.40	38.62	-59.32	-13.00	46.32	Vertical



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Test Band = NSA DC_66A_n25A_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	3729.18	43.66	-48.41	29.02	-70.99	-13.00	57.99	Horizontal
2	5593.77	43.63	-47.69	32.72	-66.61	-13.00	53.61	Horizontal
3	7458.36	41.84	-46.17	36.70	-62.89	-13.00	49.89	Horizontal
4	9322.95	39.75	-42.92	37.89	-60.54	-13.00	47.54	Horizontal
5	11187.54	37.14	-40.34	39.36	-59.10	-13.00	46.10	Horizontal
6	13052.13	36.47	-38.87	38.72	-58.94	-13.00	45.94	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3729.18	43.98	-48.41	29.02	-70.67	-13.00	57.67	Vertical
2	5593.77	43.63	-47.69	32.72	-66.61	-13.00	53.61	Vertical
3	7458.36	41.83	-46.17	36.70	-62.90	-13.00	49.90	Vertical
4	9322.95	39.83	-42.92	37.89	-60.46	-13.00	47.46	Vertical
5	11187.54	36.87	-40.34	39.36	-59.37	-13.00	46.37	Vertical
6	13052.13	37.07	-38.87	38.72	-58.34	-13.00	45.34	Vertical



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Test Band = NSA DC_66A_n25A_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	3754.18	43.43	-48.33	29.06	-71.10	-13.00	58.10	Horizontal
2	5631.27	43.09	-47.63	32.73	-67.08	-13.00	54.08	Horizontal
3	7508.36	41.40	-46.03	36.79	-63.10	-13.00	50.10	Horizontal
4	9385.45	40.62	-43.03	37.95	-59.72	-13.00	46.72	Horizontal
5	11262.54	37.59	-40.42	39.35	-58.74	-13.00	45.74	Horizontal
6	13139.63	36.20	-38.52	38.92	-58.66	-13.00	45.66	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3754.18	43.72	-48.33	29.06	-70.81	-13.00	57.81	Vertical
2	5631.27	43.35	-47.63	32.73	-66.82	-13.00	53.82	Vertical
3	7508.36	41.90	-46.03	36.79	-62.60	-13.00	49.60	Vertical
4	9385.45	40.18	-43.03	37.95	-60.16	-13.00	47.16	Vertical
5	11262.54	38.09	-40.42	39.35	-58.24	-13.00	45.24	Vertical
6	13139.63	36.21	-38.52	38.92	-58.65	-13.00	45.65	Vertical

Remark:

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

AF = Antenna Factor(dB/m)

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

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N25	15	40	DFT-PI2BPSK	M	Outer_Full	VH	NT	1.800000	0.000956	PASS
N25	15	40	DFT-PI2BPSK	M	Outer_Full	VN	NT	2.000000	0.001062	PASS
N25	15	40	DFT-PI2BPSK	M	Outer_Full	VL	NT	5.200000	0.002762	PASS
N25	15	40	CP-QPSK	M	Outer_Full	VH	NT	-2.000000	-0.001062	PASS
N25	15	40	CP-QPSK	M	Outer_Full	VN	NT	-3.800000	-0.002019	PASS
N25	15	40	CP-QPSK	M	Outer_Full	VL	NT	-3.900000	-0.002072	PASS



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Frequency Error VS. Temperature

Temperature										
Band	SCS	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N25	15	40	DFT-PI2BPSK	M	Outer_Full	NV	-30	-3.000000	-0.001594	PASS
N25	15	40	DFT-PI2BPSK	M	Outer_Full	NV	-20	-4.800000	-0.002550	PASS
N25	15	40	DFT-PI2BPSK	M	Outer_Full	NV	-10	-0.800000	-0.000425	PASS
N25	15	40	DFT-PI2BPSK	M	Outer_Full	NV	0	0.500000	0.000266	PASS
N25	15	40	DFT-PI2BPSK	M	Outer_Full	NV	10	-1.400000	-0.000744	PASS
N25	15	40	DFT-PI2BPSK	M	Outer_Full	NV	20	0.800000	0.000425	PASS
N25	15	40	DFT-PI2BPSK	M	Outer_Full	NV	30	0.600000	0.000319	PASS
N25	15	40	DFT-PI2BPSK	M	Outer_Full	NV	40	-4.100000	-0.002178	PASS
N25	15	40	DFT-PI2BPSK	M	Outer_Full	NV	50	1.000000	0.000531	PASS
N25	15	40	CP-QPSK	M	Outer_Full	NV	-30	-2.800000	-0.001487	PASS
N25	15	40	CP-QPSK	M	Outer_Full	NV	-20	-2.400000	-0.001275	PASS
N25	15	40	CP-QPSK	M	Outer_Full	NV	-10	-3.600000	-0.001912	PASS
N25	15	40	CP-QPSK	M	Outer_Full	NV	0	-0.700000	-0.000372	PASS
N25	15	40	CP-QPSK	M	Outer_Full	NV	10	-2.500000	-0.001328	PASS
N25	15	40	CP-QPSK	M	Outer_Full	NV	20	-1.000000	-0.000531	PASS
N25	15	40	CP-QPSK	M	Outer_Full	NV	30	-2.400000	-0.001275	PASS
N25	15	40	CP-QPSK	M	Outer_Full	NV	40	-2.900000	-0.001541	PASS
N25	15	40	CP-QPSK	M	Outer_Full	NV	50	-1.400000	-0.000744	PASS

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