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Appendix B.47

NR Band n70



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Effective (Isotropic) Radiated Power Output Data for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
N70	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	23.46	22.61	30	PASS
N70	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	23.46	22.61	30	PASS
N70	15	5	DFT-PI2BPSK	L	Outer_Full	22.89	22.04	30	PASS
N70	15	5	DFT-QPSK	L	Inner_1RB_Left	23.34	22.49	30	PASS
N70	15	5	DFT-QPSK	L	Inner_1RB_Right	23.35	22.5	30	PASS
N70	15	5	DFT-QPSK	L	Outer_Full	22.37	21.52	30	PASS
N70	15	5	DFT-16QAM	L	Inner_1RB_Left	22.37	21.52	30	PASS
N70	15	5	DFT-16QAM	L	Inner_1RB_Right	22.35	21.5	30	PASS
N70	15	5	DFT-16QAM	L	Outer_Full	21.41	20.56	30	PASS
N70	15	5	DFT-64QAM	L	Inner_1RB_Left	21.23	20.38	30	PASS
N70	15	5	DFT-64QAM	L	Inner_1RB_Right	21.07	20.22	30	PASS
N70	15	5	DFT-64QAM	L	Outer_Full	20.89	20.04	30	PASS
N70	15	5	DFT-256QAM	L	Inner_1RB_Left	18.47	17.62	30	PASS
N70	15	5	DFT-256QAM	L	Inner_1RB_Right	18.46	17.61	30	PASS
N70	15	5	DFT-256QAM	L	Outer_Full	18.93	18.08	30	PASS
N70	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	23.36	22.51	30	PASS
N70	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	23.39	22.54	30	PASS
N70	15	5	DFT-PI2BPSK	M	Outer_Full	22.99	22.14	30	PASS



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N70	15	5	DFT-QPSK	M	Inner_1RB_Left	23.32	22.47	30	PASS
N70	15	5	DFT-QPSK	M	Inner_1RB_Right	23.5	22.65	30	PASS
N70	15	5	DFT-QPSK	M	Outer_Full	22.45	21.6	30	PASS
N70	15	5	DFT-16QAM	M	Inner_1RB_Left	22.38	21.53	30	PASS
N70	15	5	DFT-16QAM	M	Inner_1RB_Right	22.42	21.57	30	PASS
N70	15	5	DFT-16QAM	M	Outer_Full	21.43	20.58	30	PASS
N70	15	5	DFT-64QAM	M	Inner_1RB_Left	21.09	20.24	30	PASS
N70	15	5	DFT-64QAM	M	Inner_1RB_Right	21.12	20.27	30	PASS
N70	15	5	DFT-64QAM	M	Outer_Full	20.94	20.09	30	PASS
N70	15	5	DFT-256QAM	M	Inner_1RB_Left	18.45	17.6	30	PASS
N70	15	5	DFT-256QAM	M	Inner_1RB_Right	18.46	17.61	30	PASS
N70	15	5	DFT-256QAM	M	Outer_Full	18.83	17.98	30	PASS
N70	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	23.44	22.59	30	PASS
N70	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	23.46	22.61	30	PASS
N70	15	5	DFT-PI2BPSK	H	Outer_Full	22.91	22.06	30	PASS
N70	15	5	DFT-QPSK	H	Inner_1RB_Left	23.39	22.54	30	PASS
N70	15	5	DFT-QPSK	H	Inner_1RB_Right	23.57	22.72	30	PASS
N70	15	5	DFT-QPSK	H	Outer_Full	22.51	21.66	30	PASS
N70	15	5	DFT-16QAM	H	Inner_1RB_Left	22.35	21.5	30	PASS
N70	15	5	DFT-16QAM	H	Inner_1RB_Right	22.4	21.55	30	PASS
N70	15	5	DFT-16QAM	H	Outer_Full	21.51	20.66	30	PASS



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N70	15	5	DFT-64QAM	H	Inner_1RB_Left	21.16	20.31	30	PASS
N70	15	5	DFT-64QAM	H	Inner_1RB_Right	21.2	20.35	30	PASS
N70	15	5	DFT-64QAM	H	Outer_Full	20.94	20.09	30	PASS
N70	15	5	DFT-256QAM	H	Inner_1RB_Left	18.54	17.69	30	PASS
N70	15	5	DFT-256QAM	H	Inner_1RB_Right	18.45	17.6	30	PASS
N70	15	5	DFT-256QAM	H	Outer_Full	18.87	18.02	30	PASS
N70	15	10	DFT-PI2BPSK	L	Inner_1RB_Left	23.36	22.51	30	PASS
N70	15	10	DFT-PI2BPSK	L	Inner_1RB_Right	23.39	22.54	30	PASS
N70	15	10	DFT-PI2BPSK	L	Outer_Full	22.95	22.1	30	PASS
N70	15	10	DFT-QPSK	L	Inner_1RB_Left	23.4	22.55	30	PASS
N70	15	10	DFT-QPSK	L	Inner_1RB_Right	23.39	22.54	30	PASS
N70	15	10	DFT-QPSK	L	Outer_Full	22.49	21.64	30	PASS
N70	15	10	DFT-16QAM	L	Inner_1RB_Left	22.45	21.6	30	PASS
N70	15	10	DFT-16QAM	L	Inner_1RB_Right	22.37	21.52	30	PASS
N70	15	10	DFT-16QAM	L	Outer_Full	21.44	20.59	30	PASS
N70	15	10	DFT-64QAM	L	Inner_1RB_Left	21.13	20.28	30	PASS
N70	15	10	DFT-64QAM	L	Inner_1RB_Right	21.09	20.24	30	PASS
N70	15	10	DFT-64QAM	L	Outer_Full	21.03	20.18	30	PASS
N70	15	10	DFT-256QAM	L	Inner_1RB_Left	18.44	17.59	30	PASS
N70	15	10	DFT-256QAM	L	Inner_1RB_Right	18.42	17.57	30	PASS
N70	15	10	DFT-256QAM	L	Outer_Full	18.96	18.11	30	PASS



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N70	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	23.33	22.48	30	PASS
N70	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	23.36	22.51	30	PASS
N70	15	10	DFT-PI2BPSK	M	Outer_Full	22.91	22.06	30	PASS
N70	15	10	DFT-QPSK	M	Inner_1RB_Left	23.25	22.4	30	PASS
N70	15	10	DFT-QPSK	M	Inner_1RB_Right	23.41	22.56	30	PASS
N70	15	10	DFT-QPSK	M	Outer_Full	22.51	21.66	30	PASS
N70	15	10	DFT-16QAM	M	Inner_1RB_Left	22.42	21.57	30	PASS
N70	15	10	DFT-16QAM	M	Inner_1RB_Right	22.34	21.49	30	PASS
N70	15	10	DFT-16QAM	M	Outer_Full	21.5	20.65	30	PASS
N70	15	10	DFT-64QAM	M	Inner_1RB_Left	21.12	20.27	30	PASS
N70	15	10	DFT-64QAM	M	Inner_1RB_Right	21.11	20.26	30	PASS
N70	15	10	DFT-64QAM	M	Outer_Full	21	20.15	30	PASS
N70	15	10	DFT-256QAM	M	Inner_1RB_Left	18.38	17.53	30	PASS
N70	15	10	DFT-256QAM	M	Inner_1RB_Right	18.45	17.6	30	PASS
N70	15	10	DFT-256QAM	M	Outer_Full	18.89	18.04	30	PASS
N70	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	23.38	22.53	30	PASS
N70	15	10	DFT-PI2BPSK	H	Inner_1RB_Right	23.43	22.58	30	PASS
N70	15	10	DFT-PI2BPSK	H	Outer_Full	22.97	22.12	30	PASS
N70	15	10	DFT-QPSK	H	Inner_1RB_Left	17.51	16.66	30	PASS
N70	15	10	DFT-QPSK	H	Inner_1RB_Right	23.61	22.76	30	PASS
N70	15	10	DFT-QPSK	H	Outer_Full	22.44	21.59	30	PASS



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N70	15	10	DFT-16QAM	H	Inner_1RB_Right	22.45	21.6	30	PASS
N70	15	10	DFT-16QAM	H	Outer_Full	21.5	20.65	30	PASS
N70	15	10	DFT-64QAM	H	Inner_1RB_Left	21.13	20.28	30	PASS
N70	15	10	DFT-64QAM	H	Inner_1RB_Right	21.16	20.31	30	PASS
N70	15	10	DFT-64QAM	H	Outer_Full	21.01	20.16	30	PASS
N70	15	10	DFT-256QAM	H	Inner_1RB_Left	18.37	17.52	30	PASS
N70	15	10	DFT-256QAM	H	Inner_1RB_Right	18.5	17.65	30	PASS
N70	15	10	DFT-256QAM	H	Outer_Full	18.94	18.09	30	PASS
N70	15	15	DFT-PI2BPSK	L	Inner_1RB_Left	23.4	22.55	30	PASS
N70	15	15	DFT-PI2BPSK	L	Inner_1RB_Right	23.49	22.64	30	PASS
N70	15	15	DFT-PI2BPSK	L	Outer_Full	23.14	22.29	30	PASS
N70	15	15	DFT-QPSK	L	Inner_1RB_Left	23.56	22.71	30	PASS
N70	15	15	DFT-QPSK	L	Inner_1RB_Right	23.54	22.69	30	PASS
N70	15	15	DFT-QPSK	L	Outer_Full	22.63	21.78	30	PASS
N70	15	15	DFT-16QAM	L	Inner_1RB_Left	22.49	21.64	30	PASS
N70	15	15	DFT-16QAM	L	Inner_1RB_Right	22.49	21.64	30	PASS
N70	15	15	DFT-16QAM	L	Outer_Full	21.64	20.79	30	PASS
N70	15	15	DFT-64QAM	L	Inner_1RB_Left	21.3	20.45	30	PASS
N70	15	15	DFT-64QAM	L	Inner_1RB_Right	21.29	20.44	30	PASS
N70	15	15	DFT-64QAM	L	Outer_Full	21.21	20.36	30	PASS



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N70	15	15	DFT-256QAM	L	Inner_1RB_Right	18.54	17.69	30	PASS
N70	15	15	DFT-256QAM	L	Outer_Full	19.12	18.27	30	PASS
N70	15	15	DFT-PI2BPSK	M	Inner_1RB_Left	23.46	22.61	30	PASS
N70	15	15	DFT-PI2BPSK	M	Inner_1RB_Right	23.48	22.63	30	PASS
N70	15	15	DFT-PI2BPSK	M	Outer_Full	23.13	22.28	30	PASS
N70	15	15	DFT-QPSK	M	Inner_1RB_Left	23.32	22.47	30	PASS
N70	15	15	DFT-QPSK	M	Inner_1RB_Right	23.5	22.65	30	PASS
N70	15	15	DFT-QPSK	M	Outer_Full	22.55	21.7	30	PASS
N70	15	15	DFT-16QAM	M	Inner_1RB_Left	22.42	21.57	30	PASS
N70	15	15	DFT-16QAM	M	Inner_1RB_Right	22.58	21.73	30	PASS
N70	15	15	DFT-16QAM	M	Outer_Full	21.62	20.77	30	PASS
N70	15	15	DFT-64QAM	M	Inner_1RB_Left	21.2	20.35	30	PASS
N70	15	15	DFT-64QAM	M	Inner_1RB_Right	21.29	20.44	30	PASS
N70	15	15	DFT-64QAM	M	Outer_Full	21.15	20.3	30	PASS
N70	15	15	DFT-256QAM	M	Inner_1RB_Left	18.53	17.68	30	PASS
N70	15	15	DFT-256QAM	M	Inner_1RB_Right	18.54	17.69	30	PASS
N70	15	15	DFT-256QAM	M	Outer_Full	19.07	18.22	30	PASS



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Peak-to-Average Ratio for SA

Peak-to-Average Ratio(CCDF)

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N70	15	5	DFT-256QAM	L	Outer_Full	7.02	13	PASS
N70	15	5	CP-256QAM	L	Outer_Full	8.42	13	PASS
N70	15	5	DFT-256QAM	M	Outer_Full	6.28	13	PASS
N70	15	5	CP-256QAM	M	Outer_Full	8.34	13	PASS
N70	15	5	DFT-256QAM	H	Outer_Full	6.50	13	PASS
N70	15	5	CP-256QAM	H	Outer_Full	8.18	13	PASS
N70	15	10	DFT-256QAM	L	Outer_Full	6.48	13	PASS
N70	15	10	CP-256QAM	L	Outer_Full	8.30	13	PASS
N70	15	10	DFT-256QAM	M	Outer_Full	6.60	13	PASS
N70	15	10	CP-256QAM	M	Outer_Full	8.54	13	PASS
N70	15	10	DFT-256QAM	H	Outer_Full	6.58	13	PASS
N70	15	10	CP-256QAM	H	Outer_Full	8.34	13	PASS
N70	15	15	DFT-256QAM	L	Outer_Full	6.62	13	PASS
N70	15	15	CP-256QAM	L	Outer_Full	8.26	13	PASS
N70	15	15	DFT-256QAM	M	Outer_Full	6.50	13	PASS
N70	15	15	CP-256QAM	M	Outer_Full	8.48	13	PASS
N70	15	15	DFT-256QAM	H	Outer_Full	6.54	13	PASS
N70	15	15	CP-256QAM	H	Outer_Full	8.58	13	PASS



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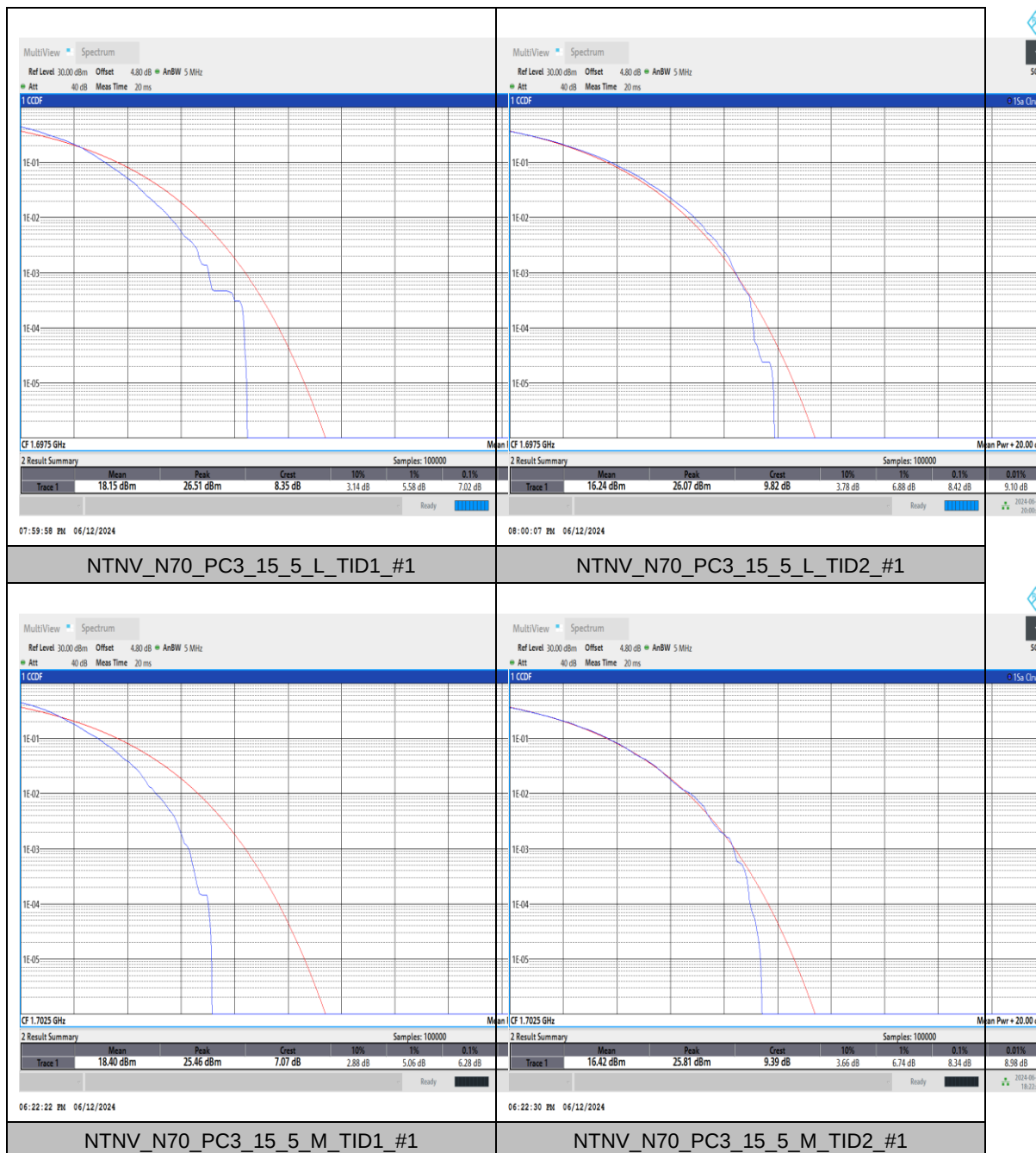
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Test Graphs



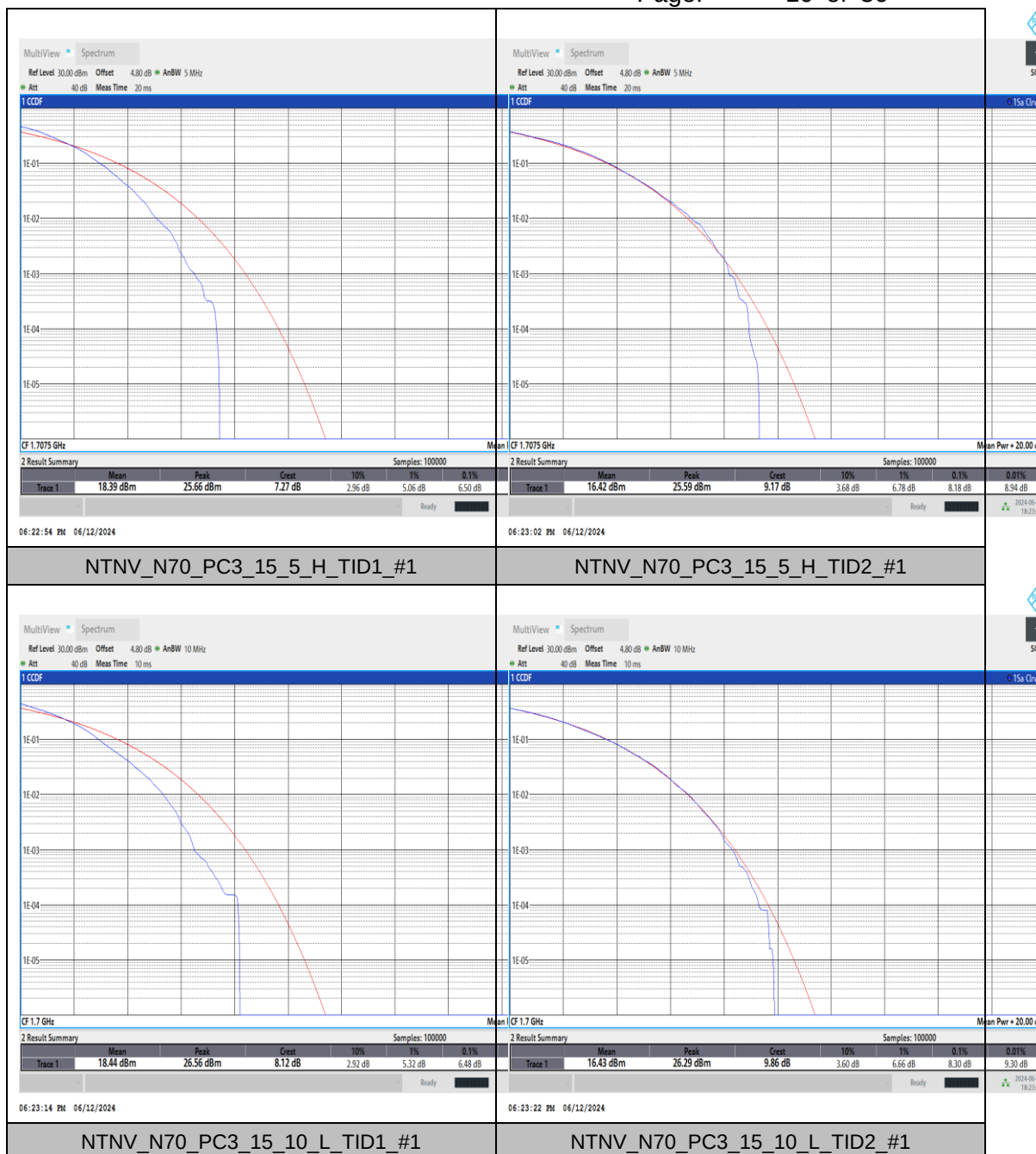
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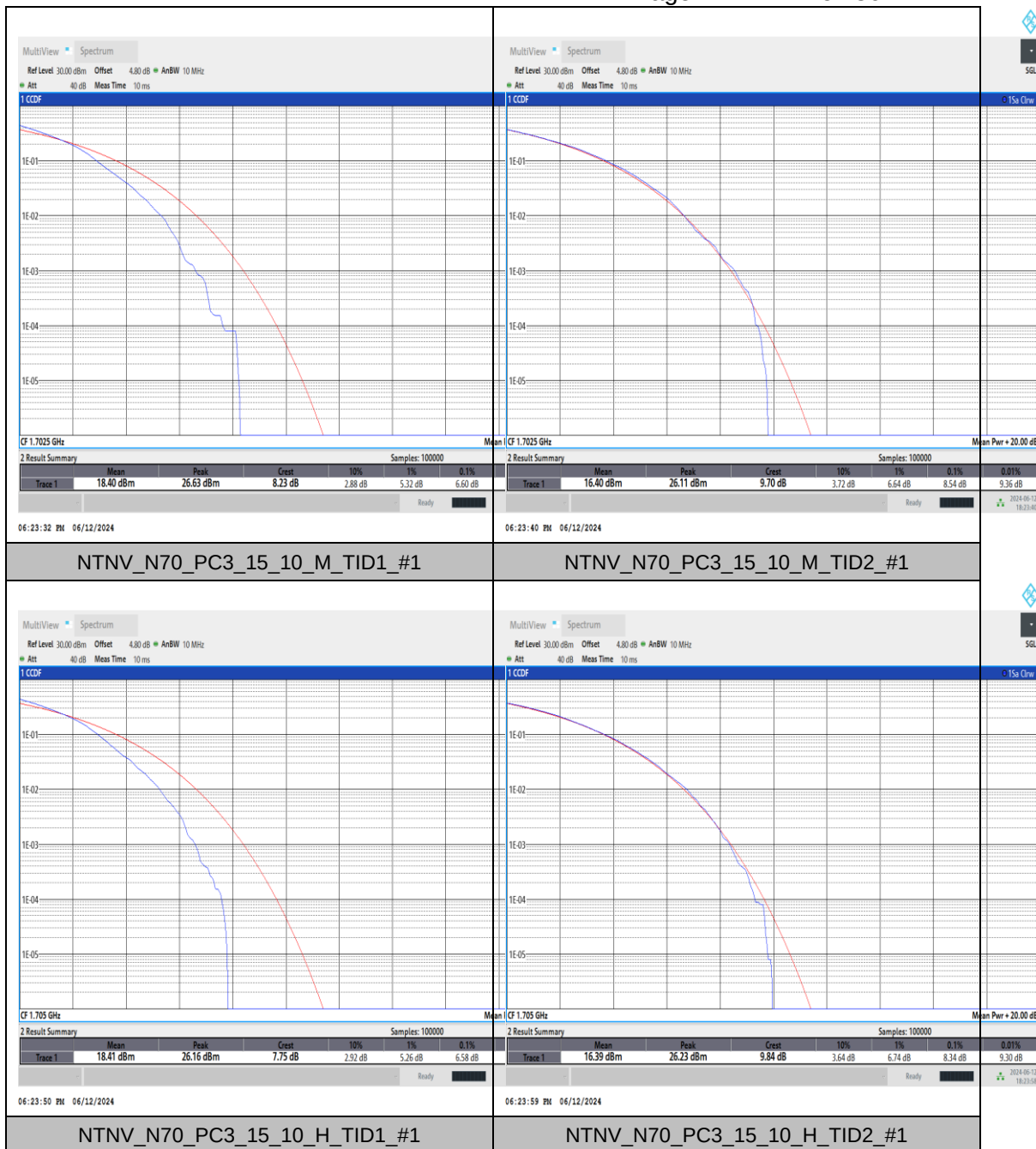


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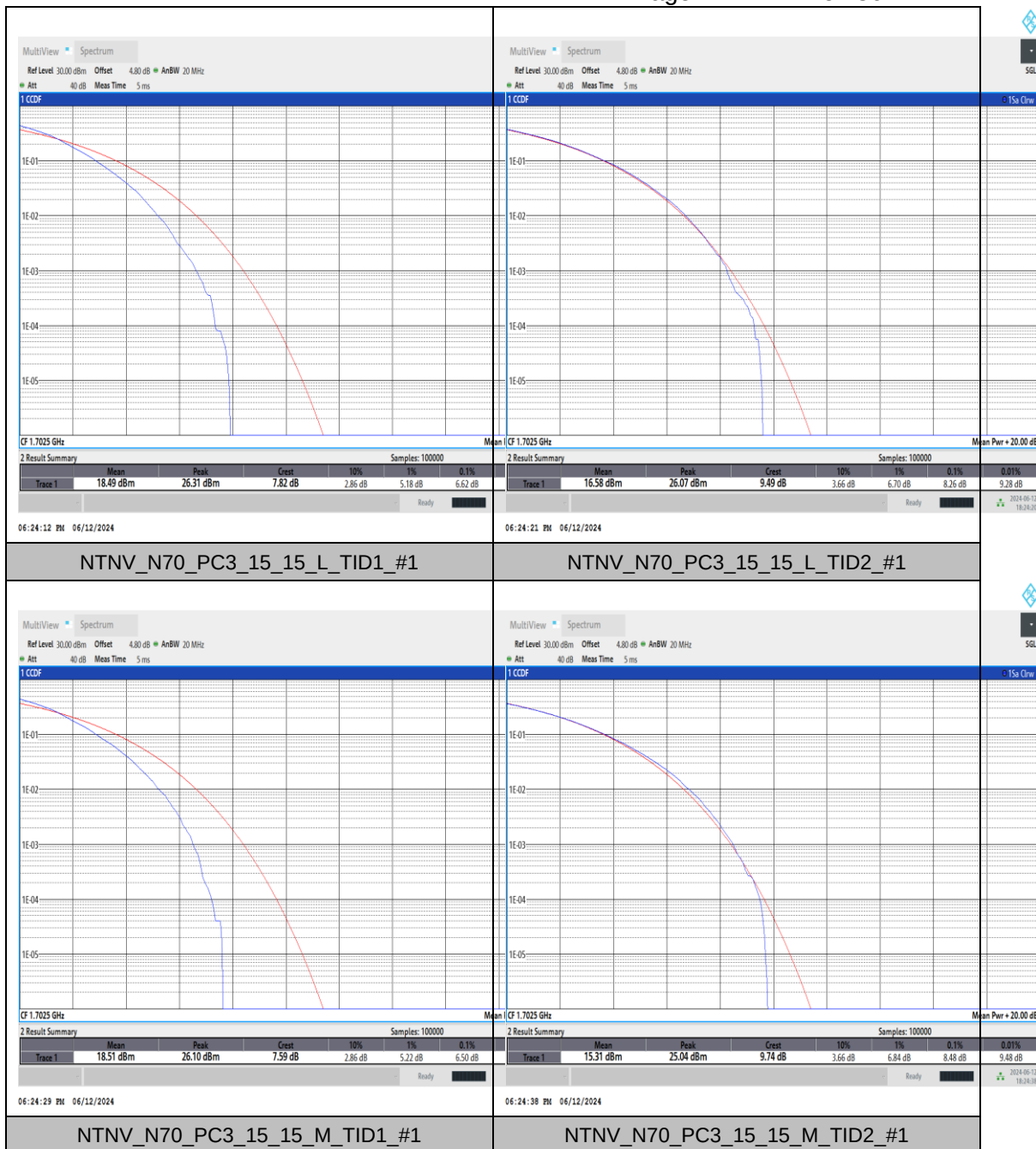
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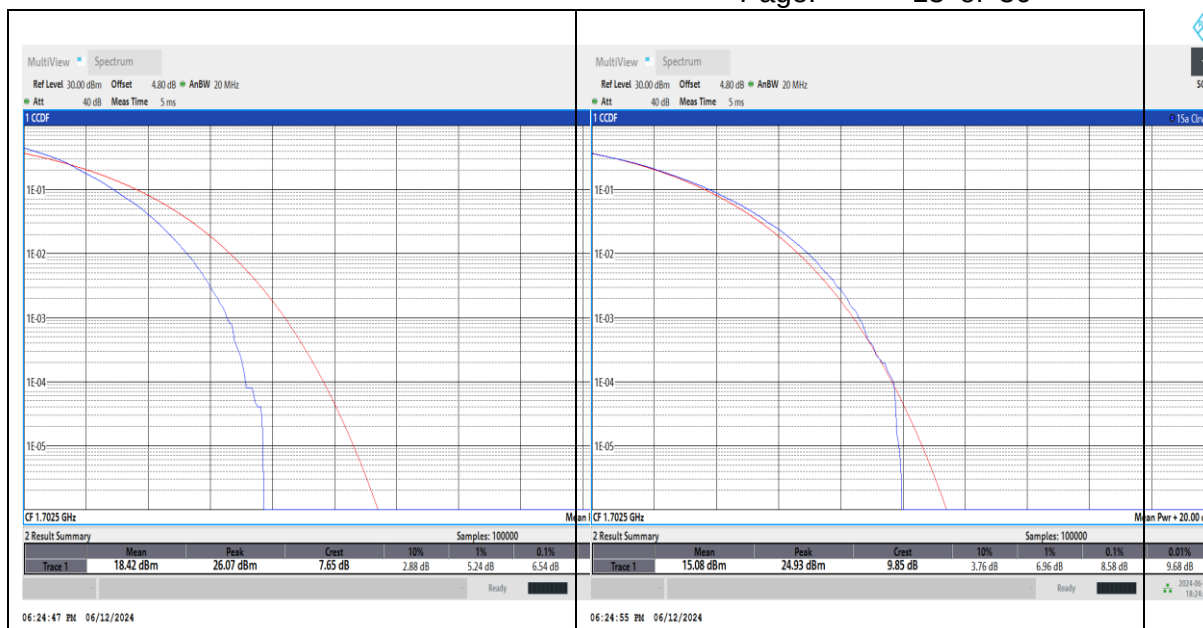
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26dB Bandwidth and Occupied Bandwidth for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N70	15	5	DFT-QPSK	M	Outer_Full	4.473	5.090	PASS
N70	15	5	DFT-PI2BPSK	M	Outer_Full	4.496	5.210	PASS
N70	15	5	DFT-16QAM	M	Outer_Full	4.558	5.250	PASS
N70	15	5	DFT-64QAM	M	Outer_Full	4.483	5.050	PASS
N70	15	5	DFT-256QAM	M	Outer_Full	4.507	5.190	PASS
N70	15	5	CP-QPSK	M	Outer_Full	4.5	5.160	PASS
N70	15	5	CP-16QAM	M	Outer_Full	4.541	5.280	PASS
N70	15	5	CP-64QAM	M	Outer_Full	4.501	5.030	PASS
N70	15	5	CP-256QAM	M	Outer_Full	4.485	5.080	PASS
N70	15	10	DFT-QPSK	M	Outer_Full	8.927	9.640	PASS
N70	15	10	DFT-PI2BPSK	M	Outer_Full	8.905	9.460	PASS
N70	15	10	DFT-16QAM	M	Outer_Full	8.958	9.720	PASS
N70	15	10	DFT-64QAM	M	Outer_Full	8.928	9.620	PASS
N70	15	10	DFT-256QAM	M	Outer_Full	8.924	9.760	PASS
N70	15	10	CP-QPSK	M	Outer_Full	9.293	10.060	PASS
N70	15	10	CP-16QAM	M	Outer_Full	9.291	10.100	PASS
N70	15	10	CP-64QAM	M	Outer_Full	9.277	10.060	PASS
N70	15	10	CP-256QAM	M	Outer_Full	9.287	10.000	PASS
N70	15	15	DFT-QPSK	M	Outer_Full	13.503	14.460	PASS
N70	15	15	DFT-PI2BPSK	M	Outer_Full	13.5	14.430	PASS
N70	15	15	DFT-16QAM	M	Outer_Full	13.484	14.430	PASS
N70	15	15	DFT-64QAM	M	Outer_Full	13.465	14.490	PASS
N70	15	15	DFT-256QAM	M	Outer_Full	13.512	14.610	PASS
N70	15	15	CP-QPSK	M	Outer_Full	14.185	15.240	PASS
N70	15	15	CP-16QAM	M	Outer_Full	14.176	15.000	PASS
N70	15	15	CP-64QAM	M	Outer_Full	14.205	15.450	PASS
N70	15	15	CP-256QAM	M	Outer_Full	14.133	15.030	PASS



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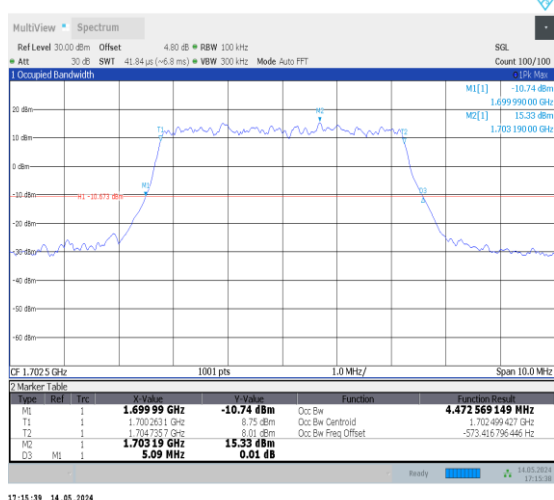
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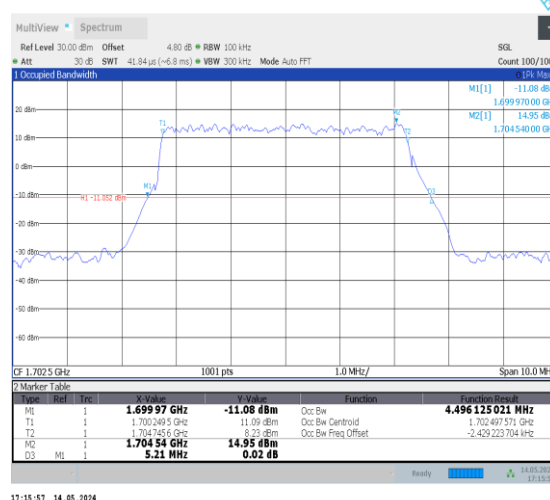
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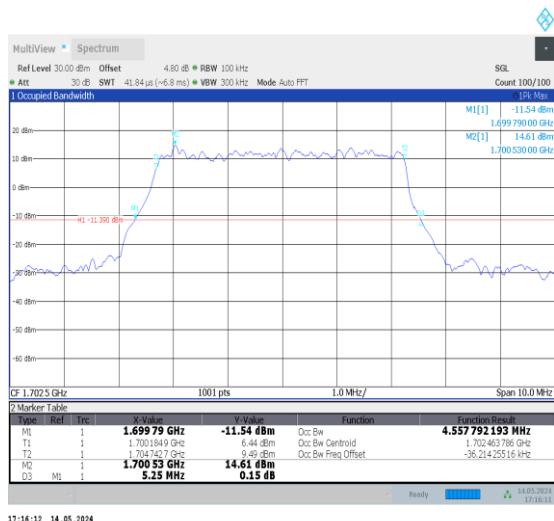
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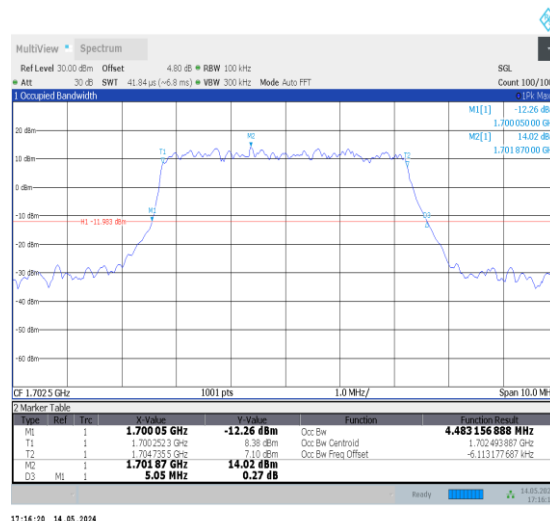
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@0-Ant2-4.496-5.210-≤5-PASS



1-N70-PC3-15-5-M-3-DFT-16QAM-Outer_Full-25@0-
Ant2-4.558-5.250-≤5-PASS



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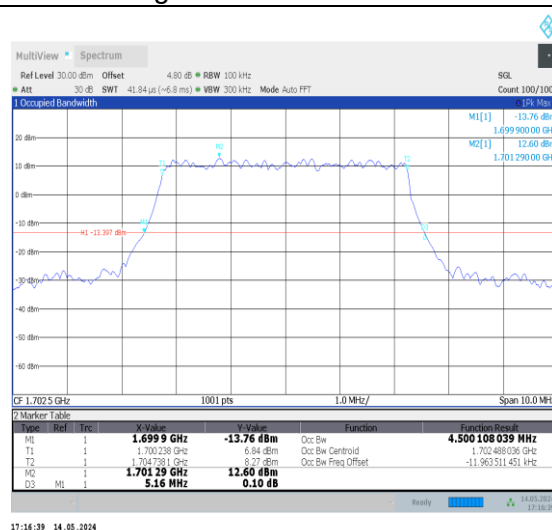
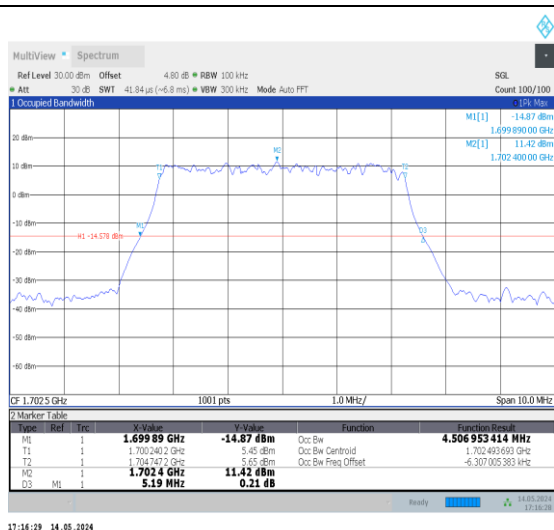
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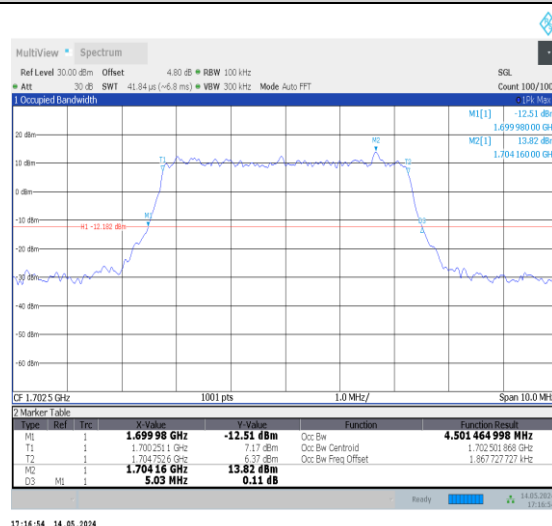
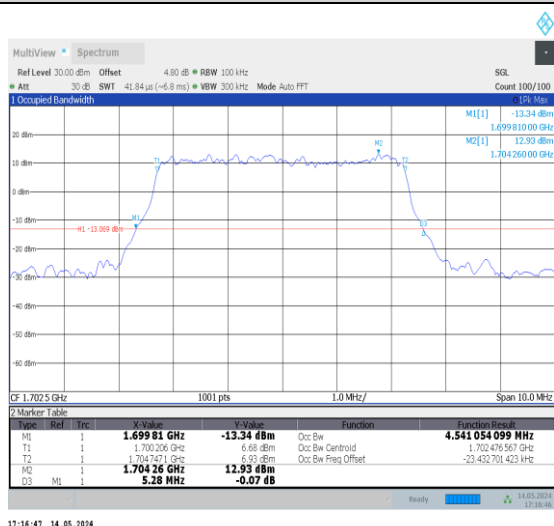
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1-N70-PC3-15-5-M-5-DFT-256QAM-Outer_Full-25@0-Ant2-4.507-5.190-≤5-PASS

1-N70-PC3-15-5-M-6-CP-QPSK-Outer_Full-25@0-Ant2-4.5-5.160-≤5-PASS



1-N70-PC3-15-5-M-7-CP-16QAM-Outer_Full-25@0-Ant2-4.541-5.280-≤5-PASS

1-N70-PC3-15-5-M-8-CP-64QAM-Outer_Full-25@0-Ant2-4.501-5.030-≤5-PASS



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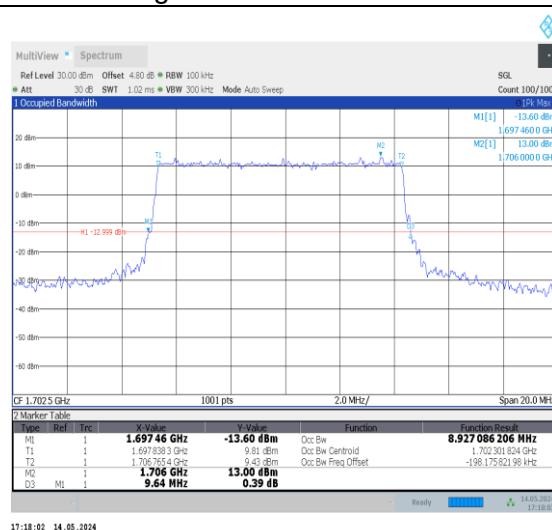
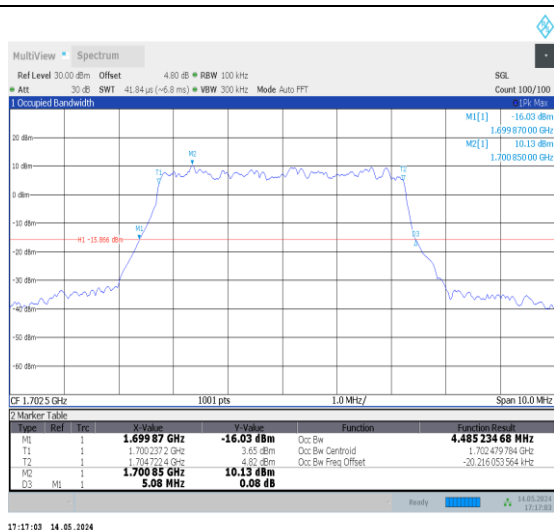
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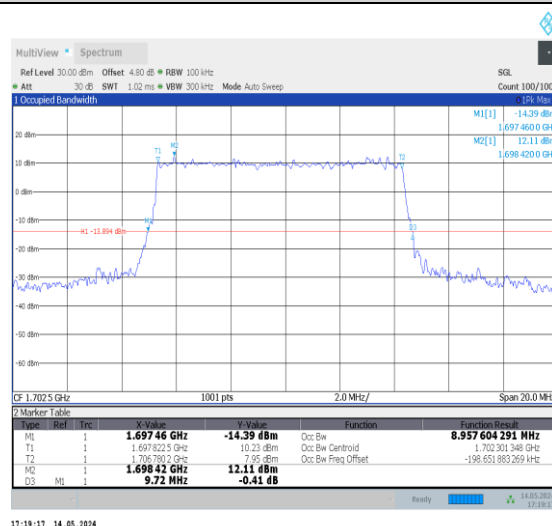
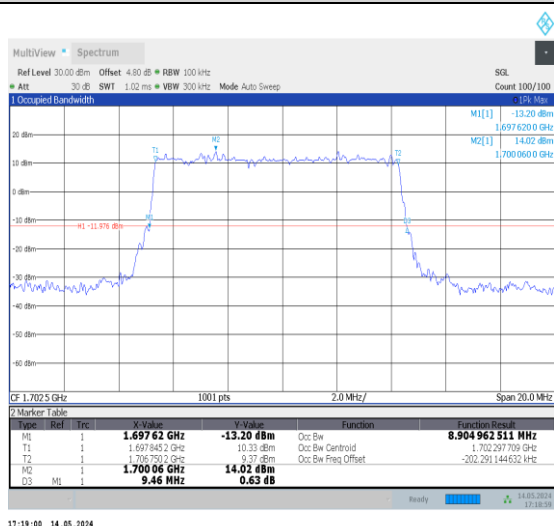
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-Ant2-4.485-5.080-≤5-PASS

1-N70-PC3-15-10-M-1-DFT-QPSK-Outer_Full-50@0
-Ant2-8.927-9.640-≤10-PASS



1-N70-PC3-15-10-M-2-DFT-PI2BPSK-Outer_Full-50
@0-Ant2-8.905-9.460-≤10-PASS

1-N70-PC3-15-10-M-3-DFT-16QAM-Outer_Full-50@
0-Ant2-8.958-9.720-≤10-PASS



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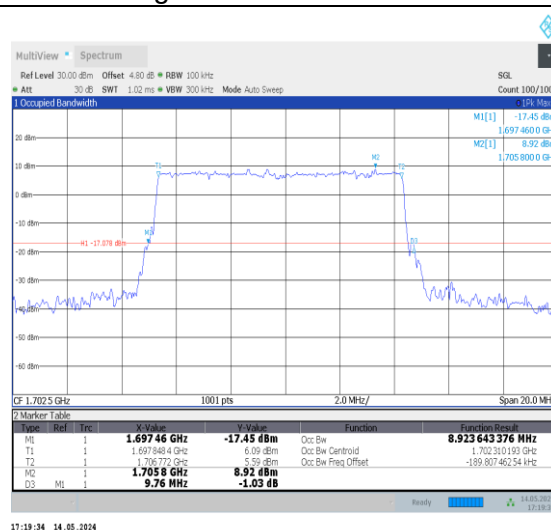
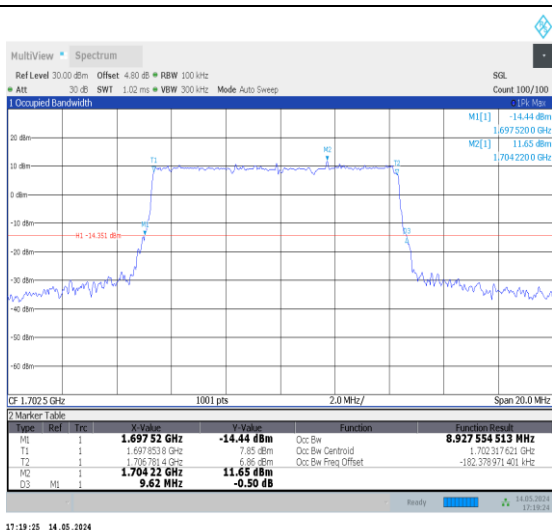
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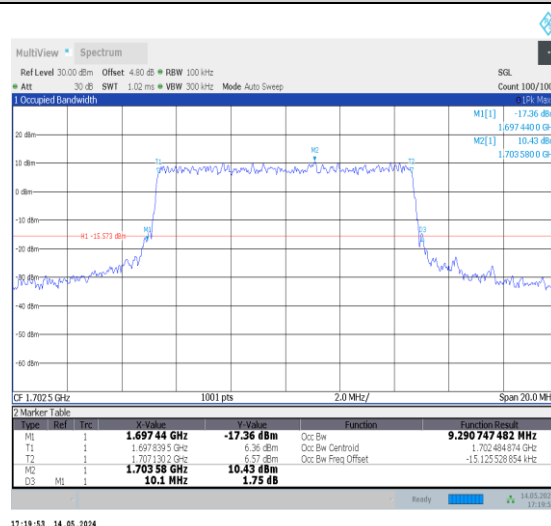
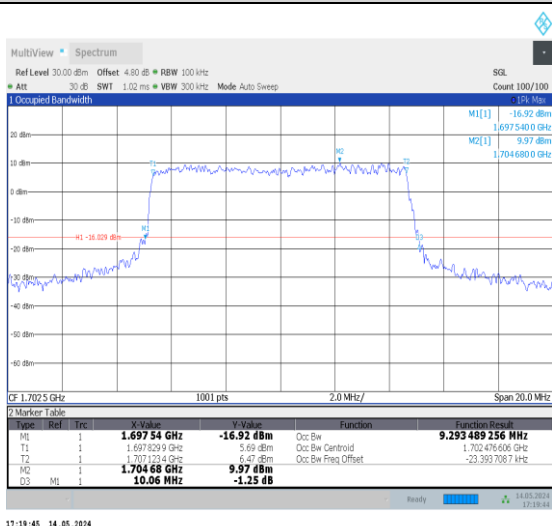
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1-N70-PC3-15-10-M-4-DFT-64QAM-Outer_Full-50@
0-Ant2-8.928-9.620-≤10-PASS

1-N70-PC3-15-10-M-5-DFT-256QAM-Outer_Full-50
@0-Ant2-8.924-9.760-≤10-PASS



1-N70-PC3-15-10-M-6-CP-QPSK-Outer_Full-52@0-
Ant2-9.293-10.060-≤10-PASS

1-N70-PC3-15-10-M-7-CP-16QAM-Outer_Full-52@
0-Ant2-9.291-10.100-≤10-PASS



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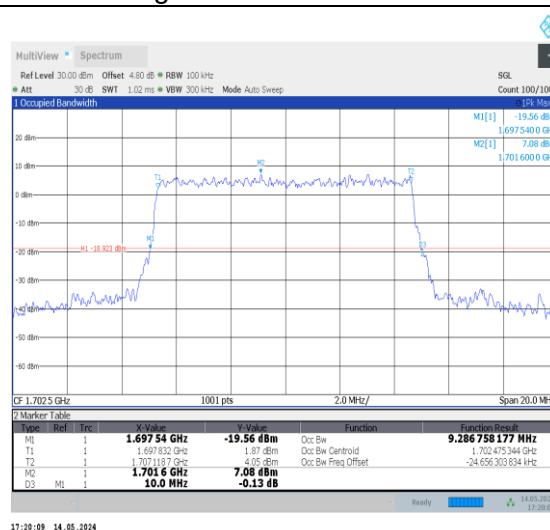
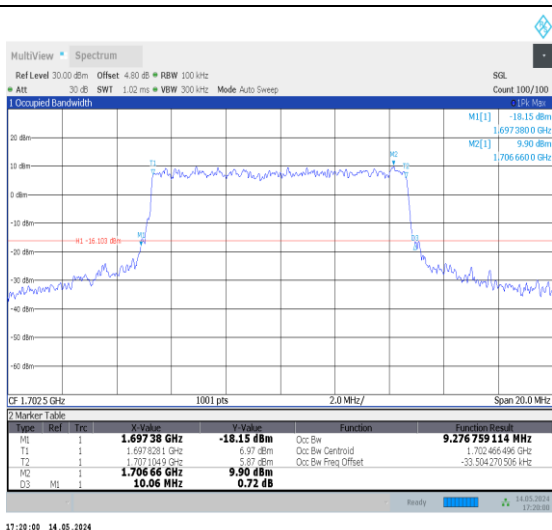
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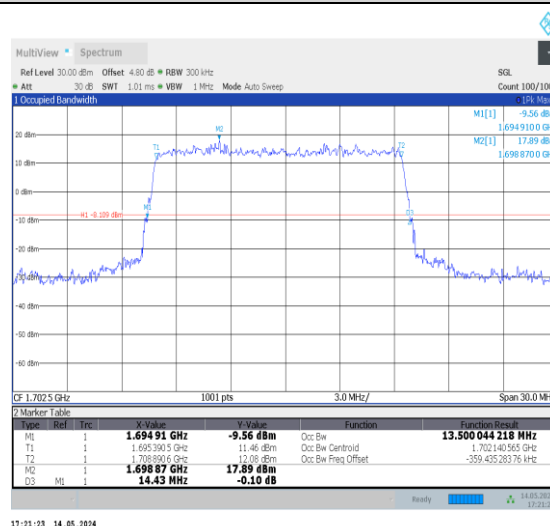
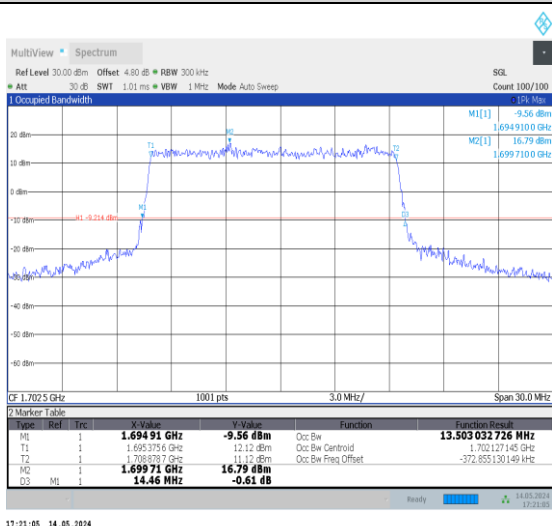
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-Ant2-9.277-10.060-≤10-PASS

1-N70-PC3-15-10-M-9-CP-256QAM-Outer_Full-52
@0-Ant2-9.287-10.000-≤10-PASS



1-N70-PC3-15-15-M-1-DFT-QPSK-Outer_Full-75@0-
Ant2-13.503-14.460-≤15-PASS

1-N70-PC3-15-15-M-2-DFT-PI2BPSK-Outer_Full-75
@0-Ant2-13.5-14.430-≤15-PASS



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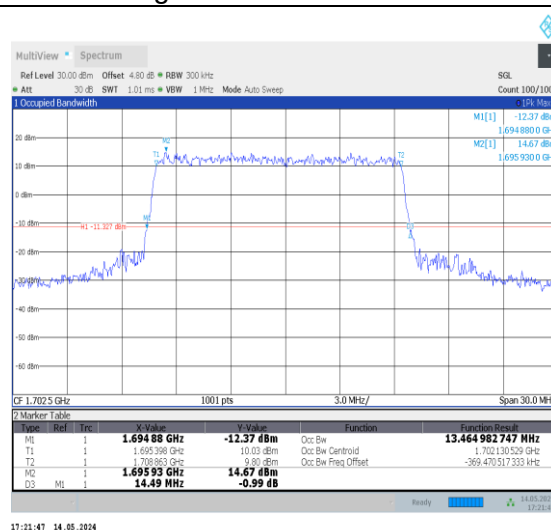
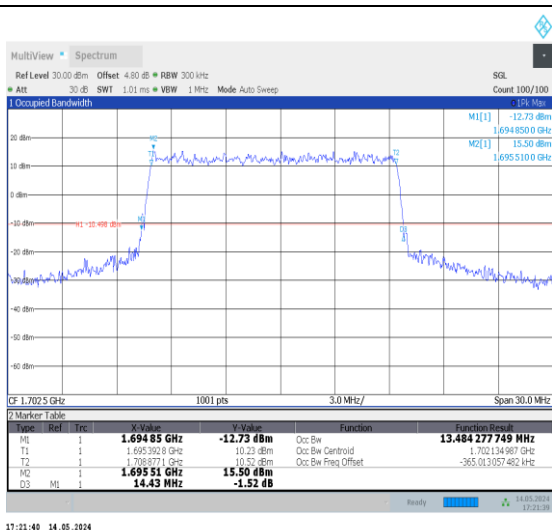
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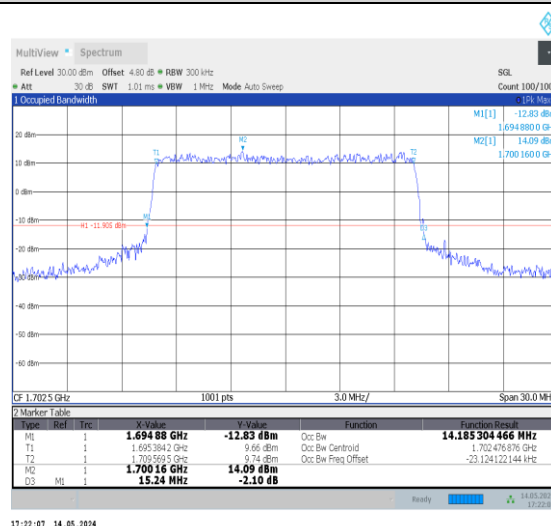
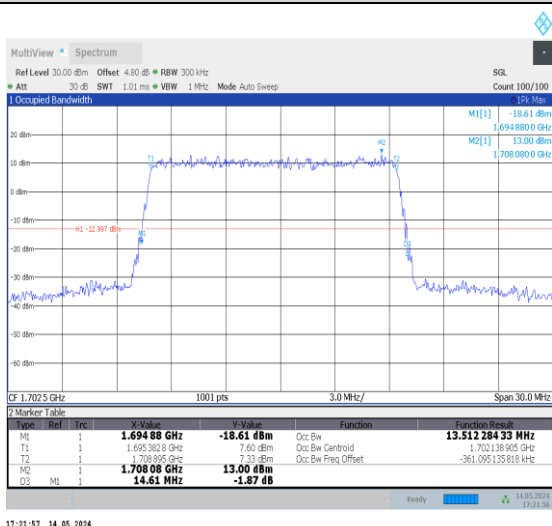
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1-N70-PC3-15-15-M-4-DFT-64QAM-Outer_Full-75@
0-Ant2-13.465-14.490-≤15-PASS



1-N70-PC3-15-15-M-5-DFT-256QAM-Outer_Full-75
@0-Ant2-13.512-14.610-≤15-PASS

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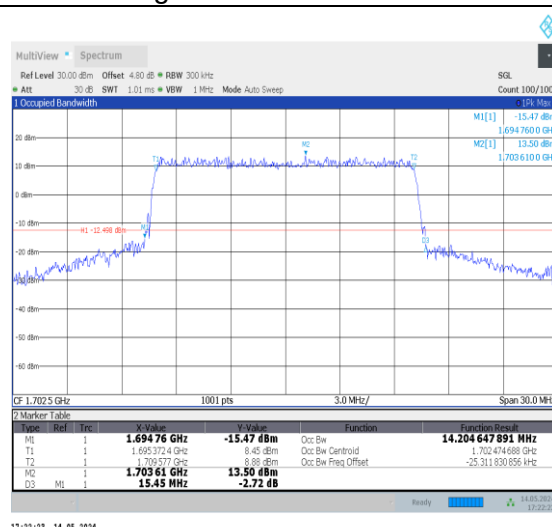
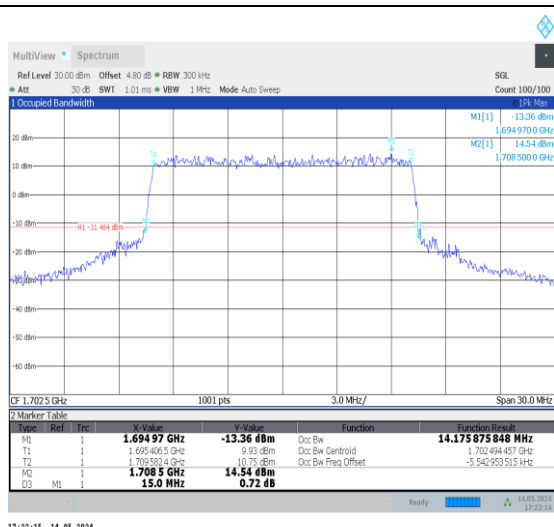
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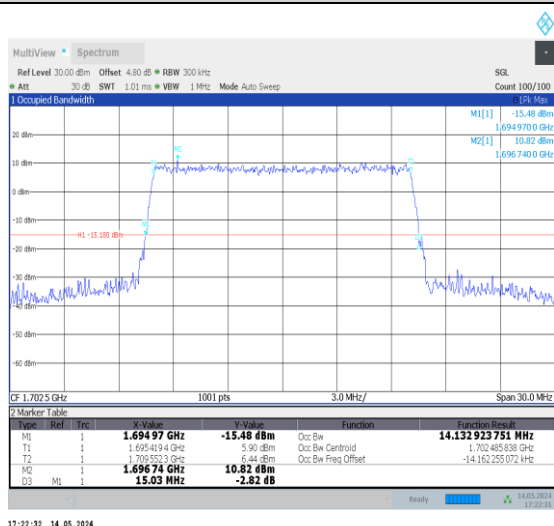
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-Ant2-14.176-15.000-≤15-PASS

1-N70-PC3-15-15-M-8-CP-64QAM-Outer_Full-79@0
0-Ant2-14.205-15.450-≤15-PASS



1-N70-PC3-15-15-M-9-CP-256QAM-Outer_Full-79@0
0-Ant2-14.133-15.030-≤15-PASS



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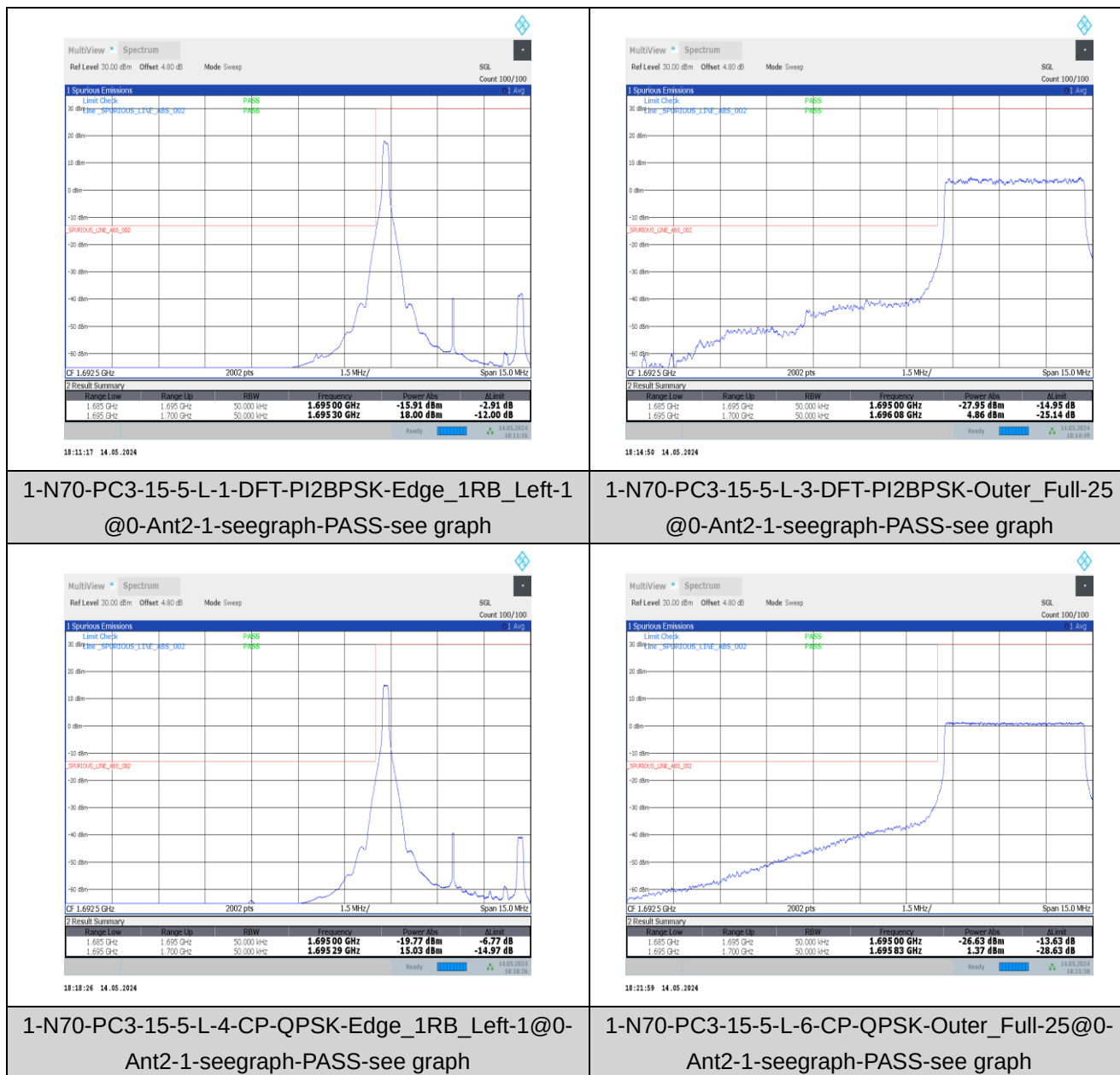
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Band Edge for SA

Test Graphs



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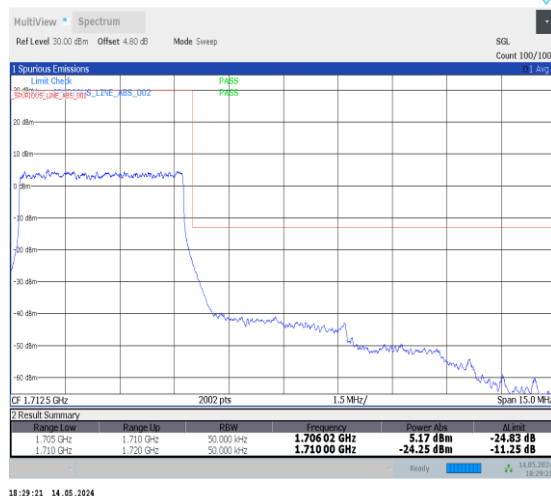
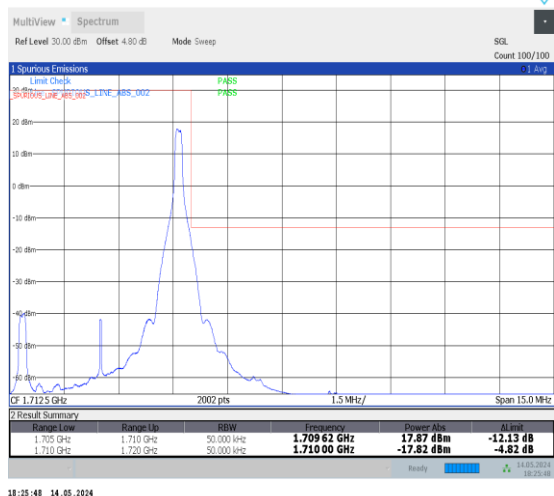
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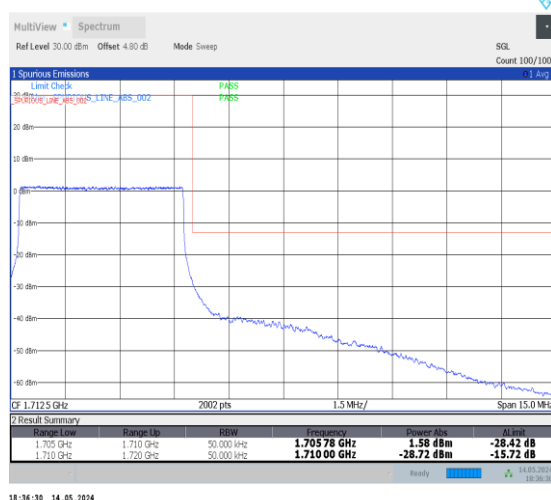
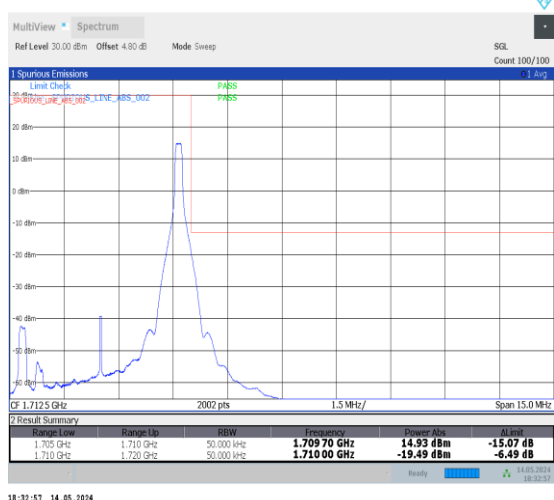
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1-N70-PC3-15-5-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@24-Ant2-1-seegraph-PASS-see graph

1-N70-PC3-15-5-H-3-DFT-PI2BPSK-Outer_Full-25@0-Ant2-1-seegraph-PASS-see graph



1-N70-PC3-15-5-H-5-CP-QPSK-Edge_1RB_Right-1@24-Ant2-1-seegraph-PASS-see graph

1-N70-PC3-15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant2-1-seegraph-PASS-see graph



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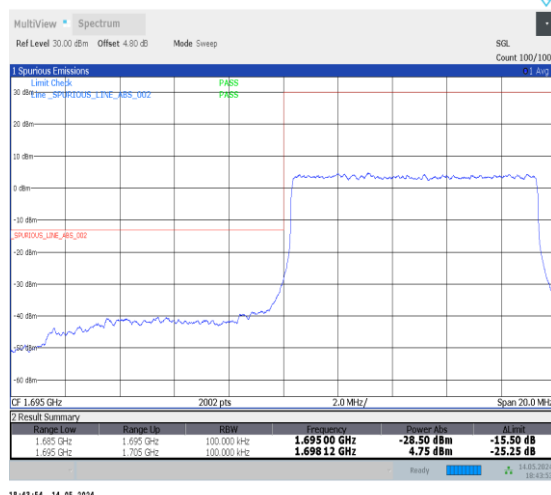
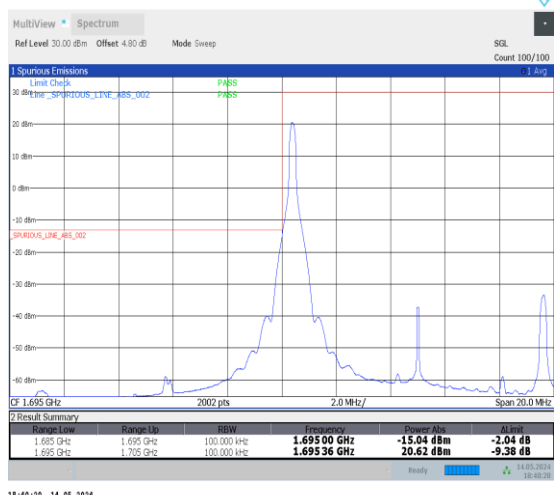
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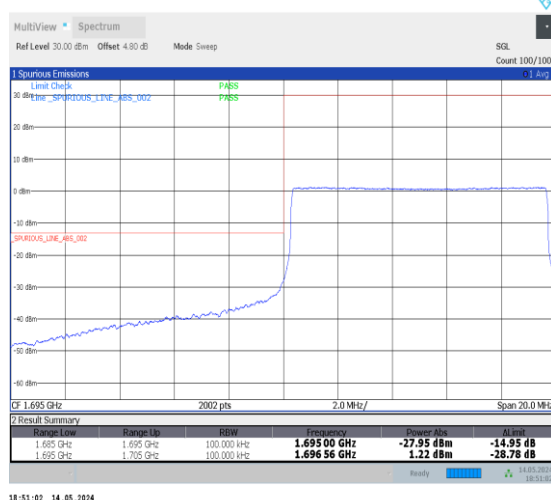
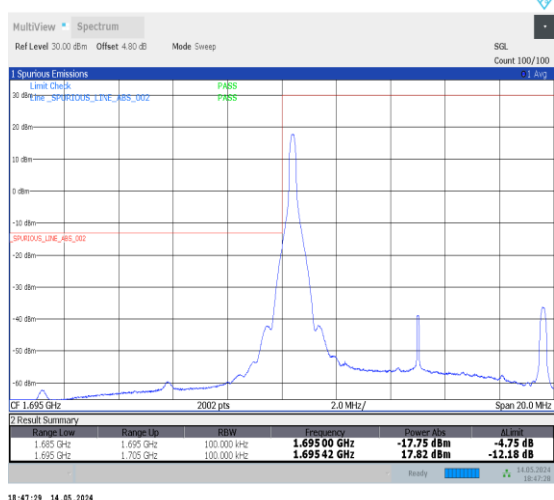
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1-N70-PC3-15-10-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant2-1-seegraph-PASS-see graph

1-N70-PC3-15-10-L-3-DFT-PI2BPSK-Outer_Full-50@0-Ant2-1-seegraph-PASS-see graph



1-N70-PC3-15-10-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant2-1-seegraph-PASS-see graph

1-N70-PC3-15-10-L-6-CP-QPSK-Outer_Full-52@0-Ant2-1-seegraph-PASS-see graph



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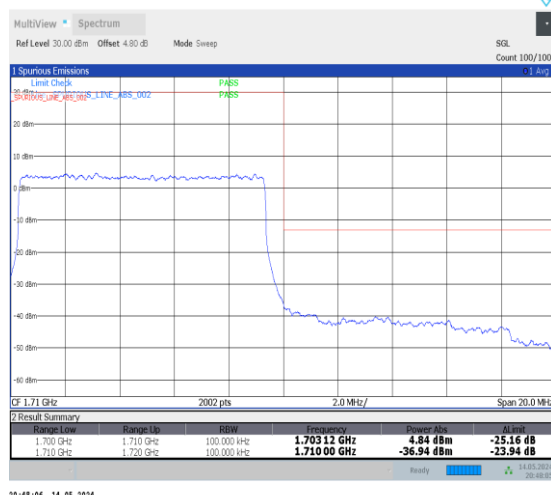
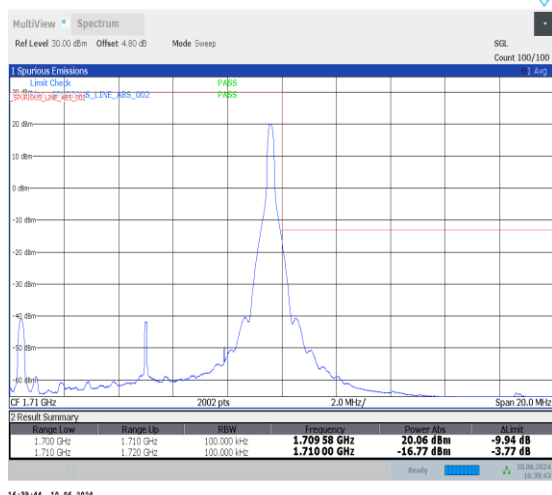
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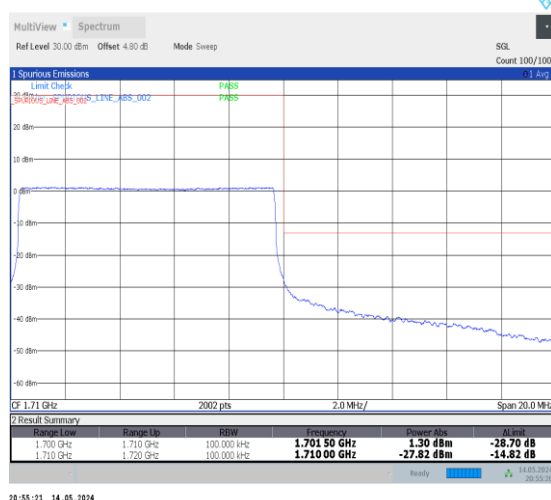
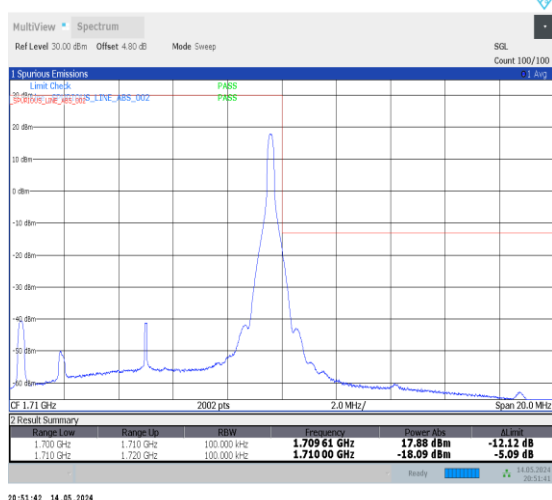
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1-N70-PC3-15-10-H-2-DFT-PI2BPSK-Edge_1RB_Right-t1@51-Ant2-1-seegraph-PASS-see graph

1-N70-PC3-15-10-H-3-DFT-PI2BPSK-Outer_Full-50@0-Ant2-1-seegraph-PASS-see graph



1-N70-PC3-15-10-H-5-CP-QPSK-Edge_1RB_Right-1@51-Ant2-1-seegraph-PASS-see graph

1-N70-PC3-15-10-H-6-CP-QPSK-Outer_Full-52@0-Ant2-1-seegraph-PASS-see graph



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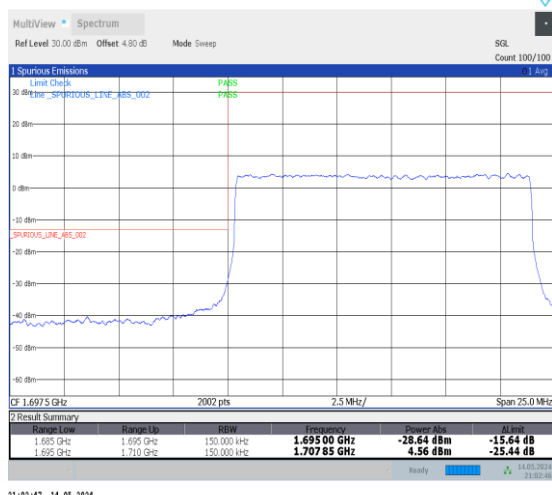
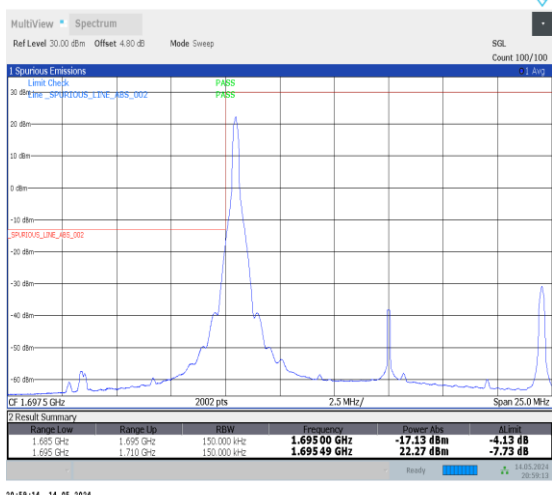
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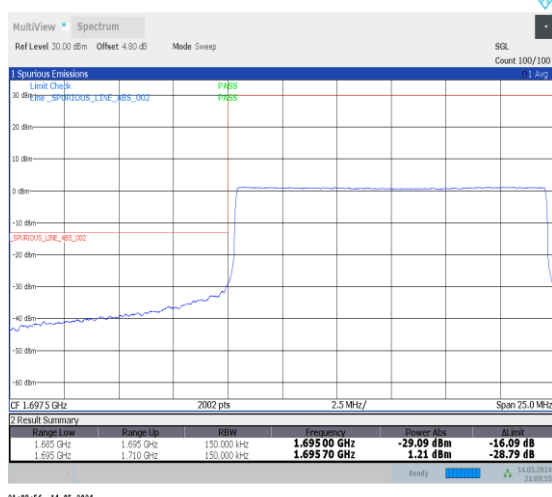
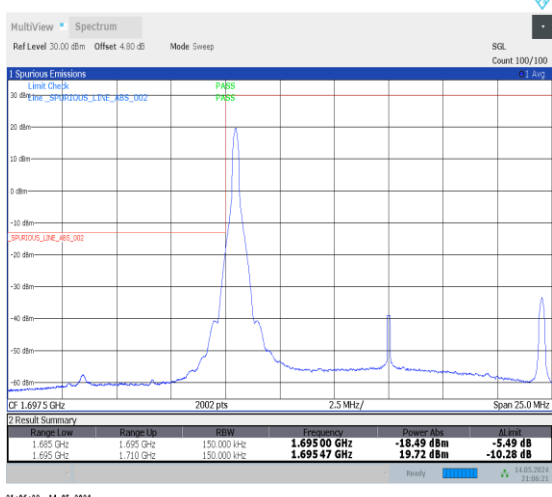
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1-N70-PC3-15-15-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant2-1-seegraph-PASS-see graph

1-N70-PC3-15-15-L-3-DFT-PI2BPSK-Outer_Full-75@0-Ant2-1-seegraph-PASS-see graph



1-N70-PC3-15-15-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant2-1-seegraph-PASS-see graph

1-N70-PC3-15-15-L-6-CP-QPSK-Outer_Full-79@0-Ant2-1-seegraph-PASS-see graph



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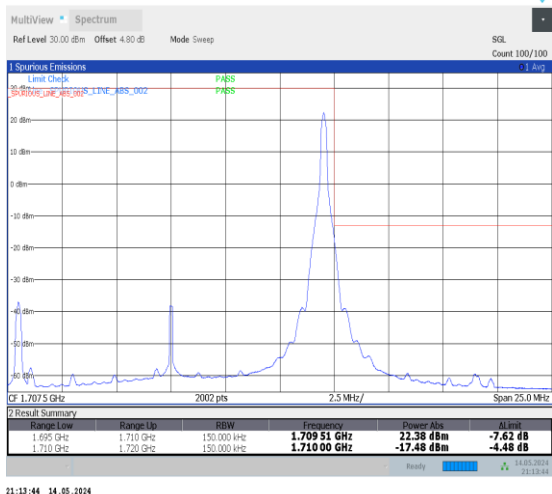
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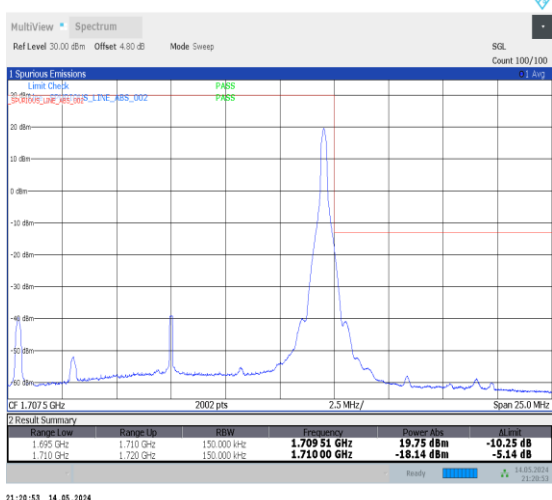
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1-N70-PC3-15-15-H-2-DFT-PI2BPSK-Edge_1RB_Right-t1@78-Ant2-1-seegraph-PASS-see graph

1-N70-PC3-15-15-H-3-DFT-PI2BPSK-Outer_Full-75@0-Ant2-1-seegraph-PASS-see graph



1-N70-PC3-15-15-H-5-CP-QPSK-Edge_1RB_Right-1@78-Ant2-1-seegraph-PASS-see graph

1-N70-PC3-15-15-H-6-CP-QPSK-Outer_Full-79@0-Ant2-1-seegraph-PASS-see graph



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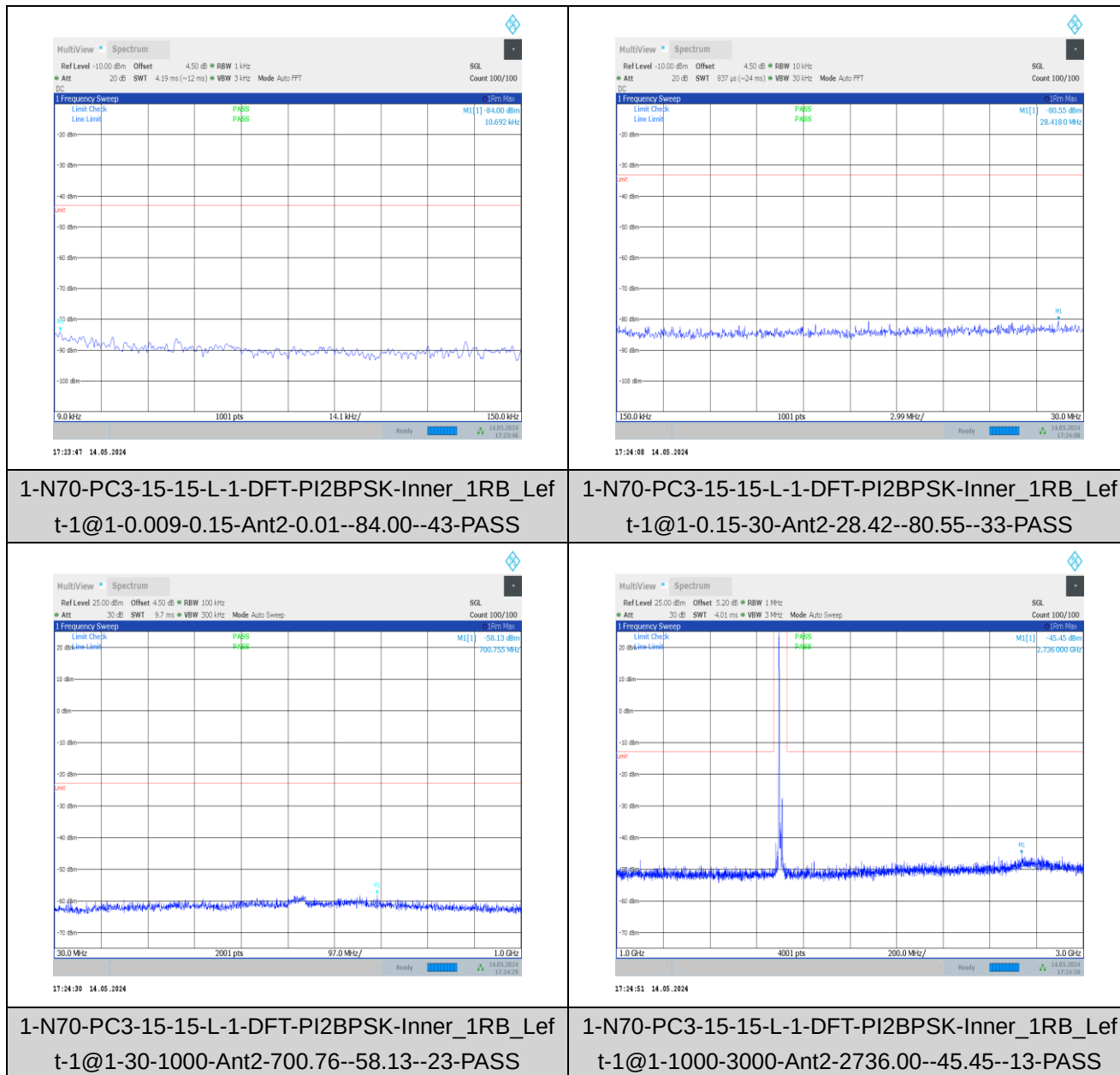
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Conducted Spurious Emission for SA

Test Graphs



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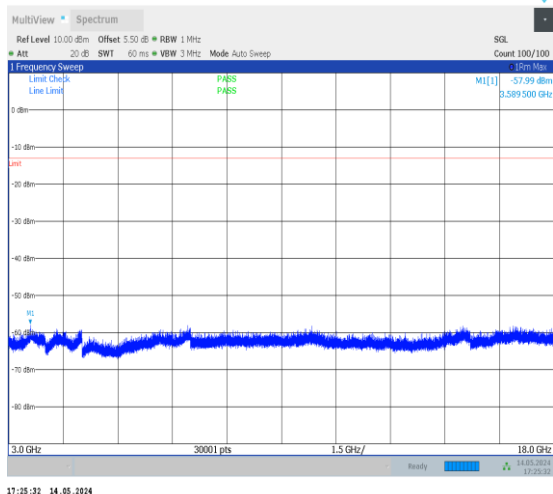
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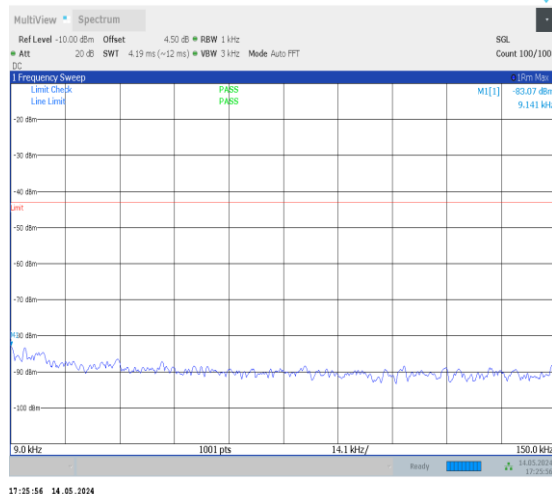
Report No.: SUCR240400009002

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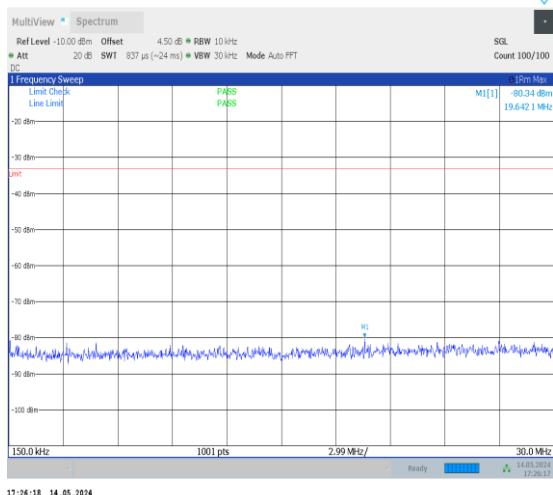
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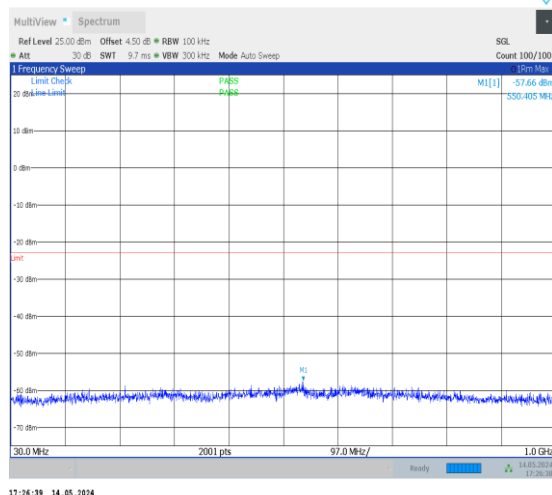
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t-1@1-3000-18000-Ant2-3589.50--57.99--13-PASS



1-N70-PC3-15-15-M-1-DFT-PI2BPSK-Inner_1RB_Le
ft-1@1-0.009-0.15-Ant2-0.01--83.07--43-PASS



1-N70-PC3-15-15-M-1-DFT-PI2BPSK-Inner_1RB_Le
ft-1@1-0.15-30-Ant2-19.64--80.34--33-PASS



1-N70-PC3-15-15-M-1-DFT-PI2BPSK-Inner_1RB_Le
ft-1@1-30-1000-Ant2-550.41--57.66--23-PASS



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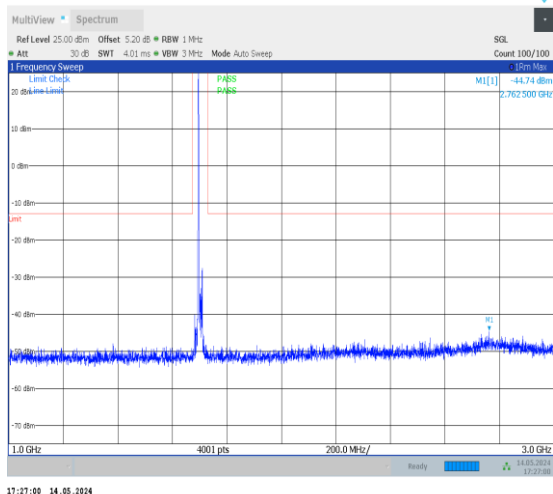
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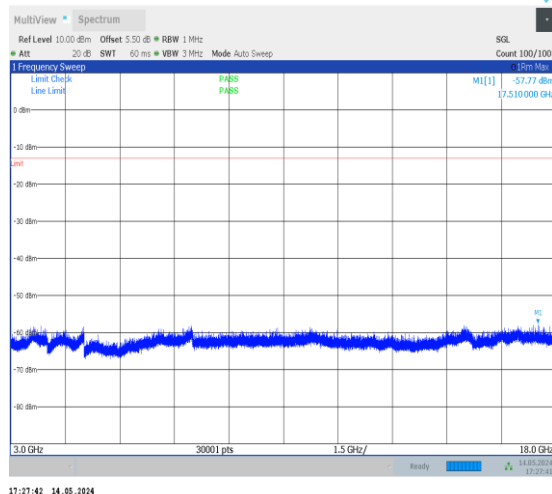
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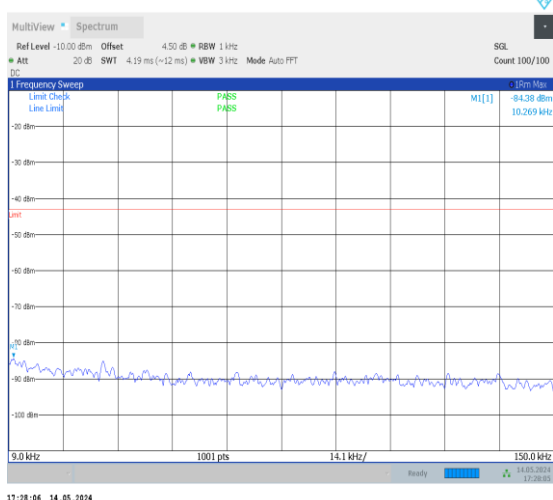
Page: 30 of 36



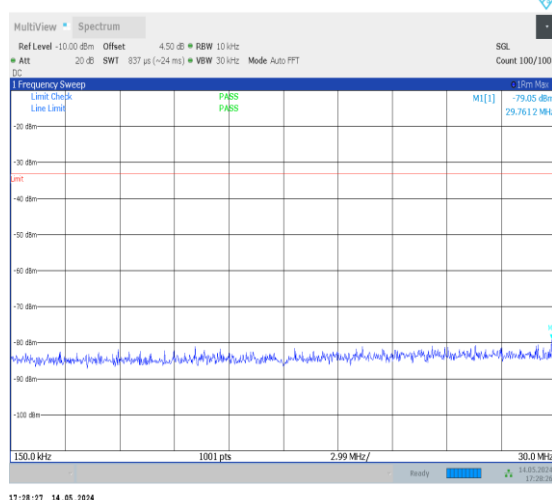
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1-N70-PC3-15-15-M-1-DFT-PI2BPSK-Inner_1RB_Le
ft-1@1-3000-18000-Ant2-17510.00--57.77--13-PASS



1-N70-PC3-15-15-H-1-DFT-PI2BPSK-Inner_1RB_Le
ft-1@1-0.009-0.15-Ant2-0.01--84.38--43-PASS



1-N70-PC3-15-15-H-1-DFT-PI2BPSK-Inner_1RB_Le
ft-1@1-0.15-30-Ant2-29.76--79.05--33-PASS



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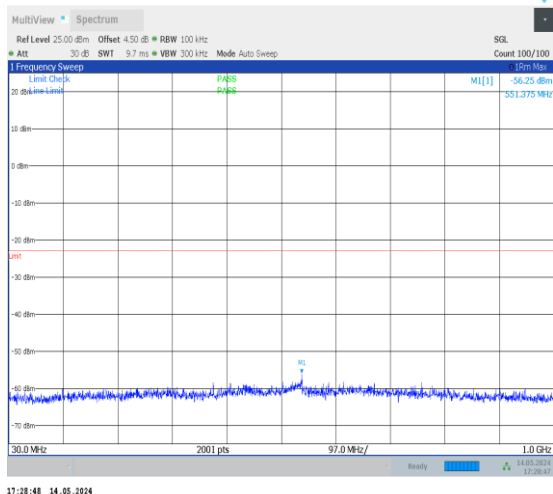
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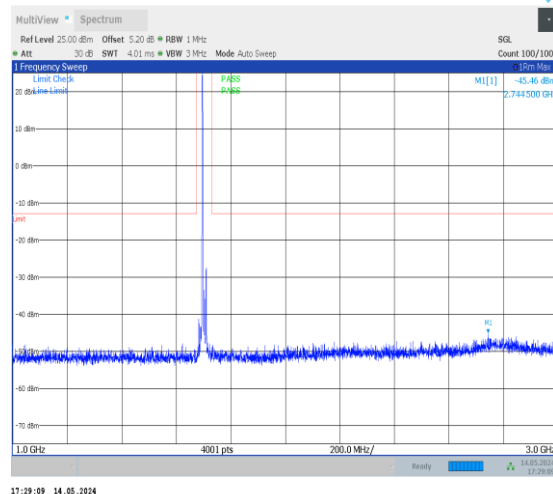
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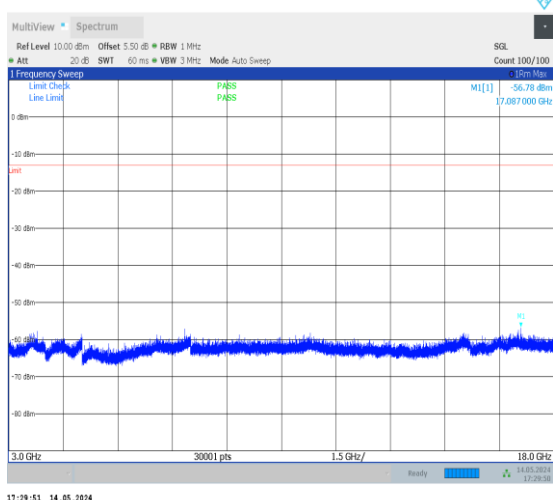
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1-N70-PC3-15-15-H-1-DFT-PI2BPSK-Inner_1RB_Le
ft-1@1-30-1000-Ant2-551.38--56.25--23-PASS



1-N70-PC3-15-15-H-1-DFT-PI2BPSK-Inner_1RB_Le
ft-1@1-1000-3000-Ant2-2744.50--45.46--13-PASS



1-N70-PC3-15-15-H-1-DFT-PI2BPSK-Inner_1RB_Le
ft-1@1-3000-18000-Ant2-17087.00--56.78--13-PASS



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Field Strength of Spurious Radiation

Test Band = SA_N70

Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3298.51	53.34	-50.55	30.70	-61.77	-13.00	48.77	Horizontal
2	5047.0682	52.50	-47.46	33.38	-56.84	-13.00	43.84	Horizontal
3	7881.1627	50.65	-43.04	37.29	-50.36	-13.00	37.36	Horizontal
4	9485.2162	49.26	-40.73	39.14	-47.59	-13.00	34.59	Horizontal
5	12525.3175	47.53	-37.36	39.47	-45.62	-13.00	32.62	Horizontal
6	17992.4998	49.32	-38.98	42.75	-42.17	-13.00	29.17	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3390.513	55.25	-50.36	29.78	-60.59	-13.00	47.59	Vertical
2	5125.5709	52.88	-47.32	33.55	-56.15	-13.00	43.15	Vertical
3	7938.6646	50.55	-43.36	37.48	-50.59	-13.00	37.59	Vertical
4	8539.1846	49.97	-41.57	38.84	-48.02	-13.00	35.02	Vertical
5	12855.8285	47.63	-36.96	39.41	-45.18	-13.00	32.18	Vertical
6	17653.9885	49.29	-38.31	41.32	-42.96	-13.00	29.96	Vertical



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Test Band = SA_N70

Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3612.5204	53.91	-49.54	30.25	-60.64	-13.00	47.64	Horizontal
2	4973.0658	51.92	-47.24	33.15	-57.43	-13.00	44.43	Horizontal
3	6970.1323	51.79	-44.13	36.44	-51.16	-13.00	38.16	Horizontal
4	9514.2171	49.61	-40.76	39.17	-47.24	-13.00	34.24	Horizontal
5	15110.4037	48.77	-36.00	39.78	-42.71	-13.00	29.71	Horizontal
6	17993.4998	49.03	-38.98	42.76	-42.45	-13.00	29.45	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3390.513	57.09	-50.36	29.78	-58.75	-13.00	45.75	Vertical
2	4594.0531	53.21	-47.74	32.10	-57.69	-13.00	44.69	Vertical
3	6966.6322	51.60	-44.20	36.43	-51.43	-13.00	38.43	Vertical
4	8550.685	49.23	-41.37	39.09	-48.31	-13.00	35.31	Vertical
5	12567.3189	47.91	-37.28	39.43	-45.20	-13.00	32.20	Vertical
6	17998.5	48.92	-38.99	42.79	-42.54	-13.00	29.54	Vertical



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Test Band = SA_N70
Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3626.5209	54.14	-49.52	30.31	-60.33	-13.00	47.33	Horizontal
2	5125.0708	53.17	-47.32	33.55	-55.86	-13.00	42.86	Horizontal
3	8066.1689	50.65	-42.81	37.57	-49.85	-13.00	36.85	Horizontal
4	11396.7799	47.77	-38.53	39.70	-46.32	-13.00	33.32	Horizontal
5	15121.404	48.03	-35.88	39.76	-43.35	-13.00	30.35	Horizontal
6	17989.9997	49.04	-38.98	42.74	-42.46	-13.00	29.46	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3621.0207	55.02	-49.53	30.28	-59.49	-13.00	46.49	Vertical
2	5062.0687	53.18	-47.46	33.42	-56.12	-13.00	43.12	Vertical
3	8549.185	49.12	-41.38	39.08	-48.44	-13.00	35.44	Vertical
4	9487.7163	49.43	-40.70	39.15	-47.38	-13.00	34.38	Vertical
5	13391.8464	47.12	-36.70	40.30	-44.54	-13.00	31.54	Vertical
6	17996.4999	48.87	-38.99	42.78	-42.60	-13.00	29.60	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	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N70	15	15	DFT-PI2BPSK	M	Outer_Full	VH	NT	0.100000	0.000059	PASS
N70	15	15	DFT-PI2BPSK	M	Outer_Full	VN	NT	-1.800000	-0.001057	PASS
N70	15	15	DFT-PI2BPSK	M	Outer_Full	VL	NT	5.100000	0.002996	PASS
N70	15	15	CP-QPSK	M	Outer_Full	VH	NT	-2.900000	-0.001703	PASS
N70	15	15	CP-QPSK	M	Outer_Full	VN	NT	-1.900000	-0.001116	PASS
N70	15	15	CP-QPSK	M	Outer_Full	VL	NT	-4.200000	-0.002467	PASS



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Frequency Error VS. Temperature

Temperature

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N70	15	15	DFT-PI2BPSK	M	Outer_Full	NV	50	-0.700000	-0.000411	PASS
N70	15	15	DFT-PI2BPSK	M	Outer_Full	NV	-20	1.600000	0.000940	PASS
N70	15	15	DFT-PI2BPSK	M	Outer_Full	NV	-10	0.400000	0.000235	PASS
N70	15	15	DFT-PI2BPSK	M	Outer_Full	NV	0	-3.200000	-0.001880	PASS
N70	15	15	DFT-PI2BPSK	M	Outer_Full	NV	10	-0.800000	-0.000470	PASS
N70	15	15	DFT-PI2BPSK	M	Outer_Full	NV	20	-0.700000	-0.000411	PASS
N70	15	15	DFT-PI2BPSK	M	Outer_Full	NV	30	2.500000	0.001468	PASS
N70	15	15	DFT-PI2BPSK	M	Outer_Full	NV	-30	2.900000	0.001703	PASS
N70	15	15	DFT-PI2BPSK	M	Outer_Full	NV	40	1.500000	0.000881	PASS
N70	15	15	CP-QPSK	M	Outer_Full	NV	50	-1.900000	-0.001116	PASS
N70	15	15	CP-QPSK	M	Outer_Full	NV	-20	-3.400000	-0.001997	PASS
N70	15	15	CP-QPSK	M	Outer_Full	NV	-10	-0.500000	-0.000294	PASS
N70	15	15	CP-QPSK	M	Outer_Full	NV	0	-4.400000	-0.002584	PASS
N70	15	15	CP-QPSK	M	Outer_Full	NV	10	-1.300000	-0.000764	PASS
N70	15	15	CP-QPSK	M	Outer_Full	NV	20	-2.100000	-0.001233	PASS
N70	15	15	CP-QPSK	M	Outer_Full	NV	30	-6.600000	-0.003877	PASS
N70	15	15	CP-QPSK	M	Outer_Full	NV	40	-2.200000	-0.001292	PASS
N70	15	15	CP-QPSK	M	Outer_Full	NV	-30	-0.800000	-0.000470	PASS

---End of Attachment---



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