

# Appendix B.16

## NR Band n2



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## Effective (Isotropic) Radiated Power Output Data for SA

### Test Result

#### ANT3

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	EIRP (dBm)	Limit	Verdict
N2	15	5	DFT-QPSK	L	Inner_1RB_Left	23.72	23.32	33.00	PASS
N2	15	5	DFT-16QAM	L	Inner_1RB_Left	22.74	22.34	33.00	PASS
N2	15	5	DFT-QPSK	M	Inner_1RB_Left	23.74	23.34	33.00	PASS
N2	15	5	DFT-16QAM	M	Inner_1RB_Left	22.69	22.29	33.00	PASS
N2	15	5	DFT-QPSK	H	Inner_1RB_Left	23.40	23.00	33.00	PASS
N2	15	5	DFT-16QAM	H	Inner_1RB_Left	22.74	22.34	33.00	PASS
N2	15	10	DFT-QPSK	L	Inner_1RB_Left	23.34	22.94	33.00	PASS
N2	15	10	DFT-16QAM	L	Inner_1RB_Left	22.80	22.40	33.00	PASS
N2	15	10	DFT-QPSK	M	Inner_1RB_Left	23.70	23.30	33.00	PASS
N2	15	10	DFT-16QAM	M	Inner_1RB_Left	22.75	22.35	33.00	PASS
N2	15	10	DFT-QPSK	H	Inner_1RB_Left	23.60	23.20	33.00	PASS
N2	15	10	DFT-16QAM	H	Inner_1RB_Left	22.69	22.29	33.00	PASS
N2	15	10	DFT-16QAM	H	Inner_1RB_Right	22.77	22.37	33.00	PASS
N2	15	15	DFT-QPSK	L	Inner_1RB_Left	23.48	23.08	33.00	PASS
N2	15	15	DFT-16QAM	L	Inner_1RB_Left	22.70	22.30	33.00	PASS
N2	15	15	DFT-QPSK	M	Inner_1RB_Left	23.33	22.93	33.00	PASS
N2	15	15	DFT-16QAM	M	Inner_1RB_Left	22.51	22.11	33.00	PASS
N2	15	15	DFT-QPSK	H	Inner_1RB_Left	23.48	23.08	33.00	PASS
N2	15	15	DFT-16QAM	H	Inner_1RB_Left	22.60	22.20	33.00	PASS
N2	15	20	DFT-PI2BPSK	L	Inner_1RB_Left	23.51	23.11	33.00	PASS
N2	15	20	DFT-PI2BPSK	L	Inner_1RB_Right	23.60	23.20	33.00	PASS
N2	15	20	DFT-PI2BPSK	L	Outer_Full	23.28	22.88	33.00	PASS
N2	15	20	DFT-QPSK	L	Inner_1RB_Left	23.85	23.45	33.00	PASS
N2	15	20	DFT-QPSK	L	Inner_1RB_Right	24.11	23.71	33.00	PASS
N2	15	20	DFT-QPSK	L	Outer_Full	22.78	22.38	33.00	PASS
N2	15	20	DFT-16QAM	L	Inner_1RB_Left	22.77	22.37	33.00	PASS
N2	15	20	DFT-16QAM	L	Inner_1RB_Right	22.79	22.39	33.00	PASS
N2	15	20	DFT-16QAM	L	Outer_Full	21.87	21.47	33.00	PASS
N2	15	20	DFT-64QAM	L	Inner_1RB_Left	21.41	21.01	33.00	PASS
N2	15	20	DFT-64QAM	L	Inner_1RB_Right	21.26	20.86	33.00	PASS



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N2	15	20	DFT-64QAM	L	Outer_Full	21.36	20.96	33.00	PASS
N2	15	20	DFT-256QAM	L	Inner_1RB_Left	19.22	18.82	33.00	PASS
N2	15	20	DFT-256QAM	L	Inner_1RB_Right	19.26	18.86	33.00	PASS
N2	15	20	DFT-256QAM	L	Outer_Full	19.18	18.78	33.00	PASS
N2	15	20	DFT-PI2BPSK	M	Inner_1RB_Left	23.63	23.23	33.00	PASS
N2	15	20	DFT-PI2BPSK	M	Inner_1RB_Right	23.70	23.30	33.00	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	23.35	22.95	33.00	PASS
N2	15	20	DFT-QPSK	M	Inner_1RB_Left	23.77	23.37	33.00	PASS
N2	15	20	DFT-QPSK	M	Inner_1RB_Right	23.89	23.49	33.00	PASS
N2	15	20	DFT-QPSK	M	Outer_Full	22.89	22.49	33.00	PASS
N2	15	20	DFT-16QAM	M	Inner_1RB_Left	22.74	22.34	33.00	PASS
N2	15	20	DFT-16QAM	M	Inner_1RB_Right	22.74	22.34	33.00	PASS
N2	15	20	DFT-16QAM	M	Outer_Full	21.66	21.26	33.00	PASS
N2	15	20	DFT-64QAM	M	Inner_1RB_Left	21.31	20.91	33.00	PASS
N2	15	20	DFT-64QAM	M	Inner_1RB_Right	21.45	21.05	33.00	PASS
N2	15	20	DFT-64QAM	M	Outer_Full	21.36	20.96	33.00	PASS
N2	15	20	DFT-256QAM	M	Inner_1RB_Left	19.03	18.63	33.00	PASS
N2	15	20	DFT-256QAM	M	Inner_1RB_Right	19.17	18.77	33.00	PASS
N2	15	20	DFT-256QAM	M	Outer_Full	19.25	18.85	33.00	PASS
N2	15	20	DFT-PI2BPSK	H	Inner_1RB_Left	23.58	23.18	33.00	PASS
N2	15	20	DFT-PI2BPSK	H	Inner_1RB_Right	23.53	23.13	33.00	PASS
N2	15	20	DFT-PI2BPSK	H	Outer_Full	23.25	22.85	33.00	PASS
N2	15	20	DFT-QPSK	H	Inner_1RB_Left	23.73	23.33	33.00	PASS
N2	15	20	DFT-QPSK	H	Inner_1RB_Right	24.00	23.60	33.00	PASS
N2	15	20	DFT-QPSK	H	Outer_Full	22.74	22.34	33.00	PASS
N2	15	20	DFT-16QAM	H	Inner_1RB_Left	22.78	22.38	33.00	PASS
N2	15	20	DFT-16QAM	H	Inner_1RB_Right	22.79	22.39	33.00	PASS
N2	15	20	DFT-16QAM	H	Outer_Full	21.85	21.45	33.00	PASS
N2	15	20	DFT-64QAM	H	Inner_1RB_Left	21.37	20.97	33.00	PASS
N2	15	20	DFT-64QAM	H	Inner_1RB_Right	21.32	20.92	33.00	PASS
N2	15	20	DFT-64QAM	H	Outer_Full	21.26	20.86	33.00	PASS
N2	15	20	DFT-256QAM	H	Inner_1RB_Left	19.13	18.73	33.00	PASS
N2	15	20	DFT-256QAM	H	Inner_1RB_Right	19.26	18.86	33.00	PASS
N2	15	20	DFT-256QAM	H	Outer_Full	19.20	18.80	33.00	PASS



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## Peak-to-Average Ratio for SA

### Test Result

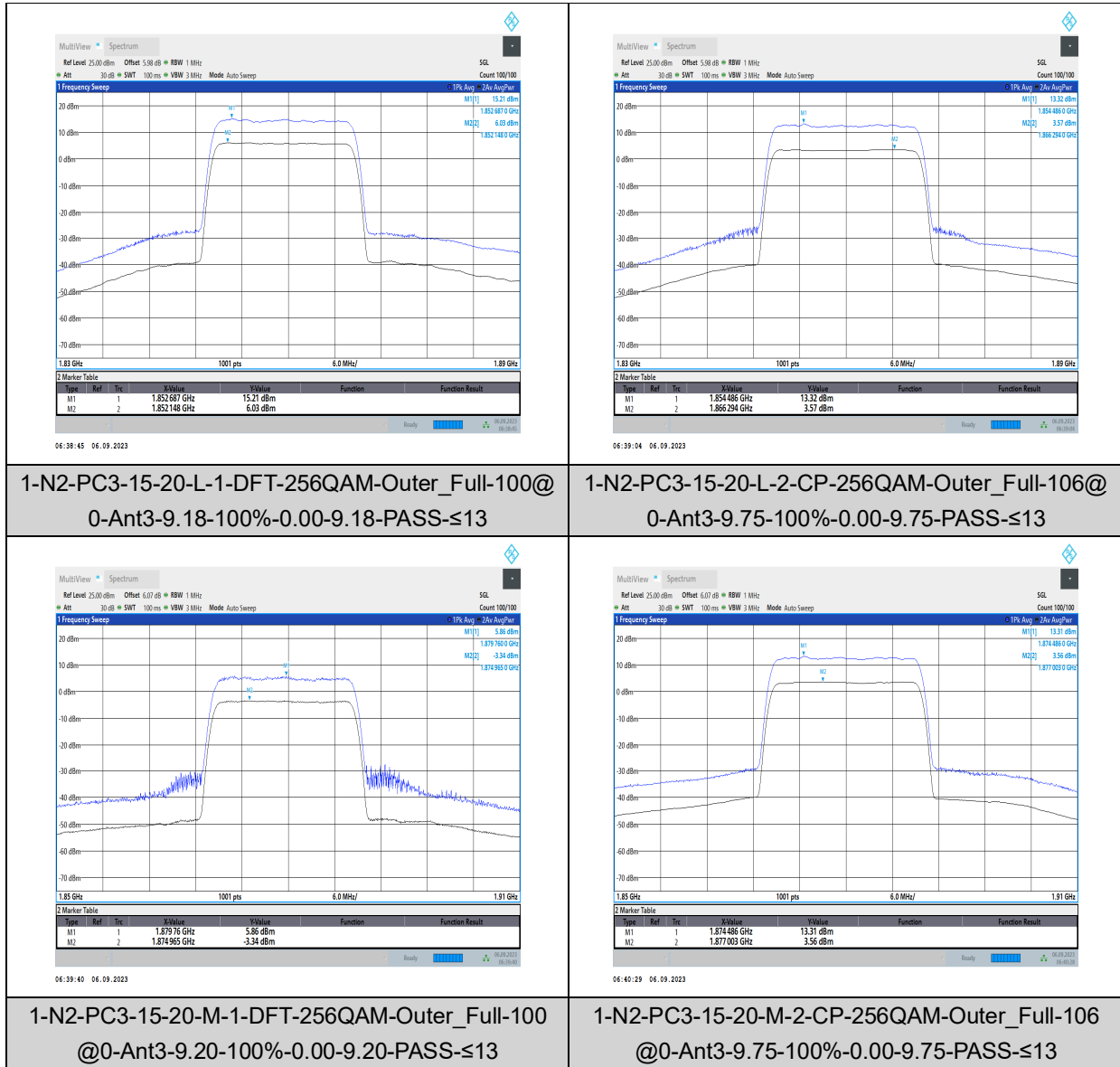
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N2	15	20	DFT-256QAM	L	Outer_Full	9.18	≤13	PASS
N2	15	20	CP-256QAM	L	Outer_Full	9.75	≤13	PASS
N2	15	20	DFT-256QAM	M	Outer_Full	9.20	≤13	PASS
N2	15	20	CP-256QAM	M	Outer_Full	9.75	≤13	PASS
N2	15	20	DFT-256QAM	H	Outer_Full	9.02	≤13	PASS
N2	15	20	CP-256QAM	H	Outer_Full	9.76	≤13	PASS



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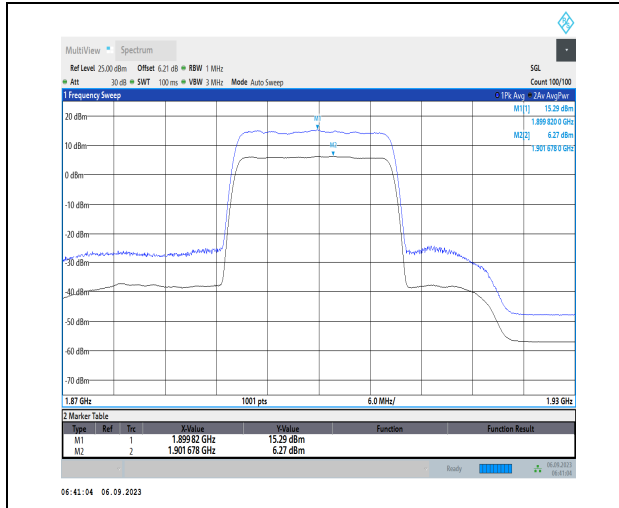
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Test Graphs

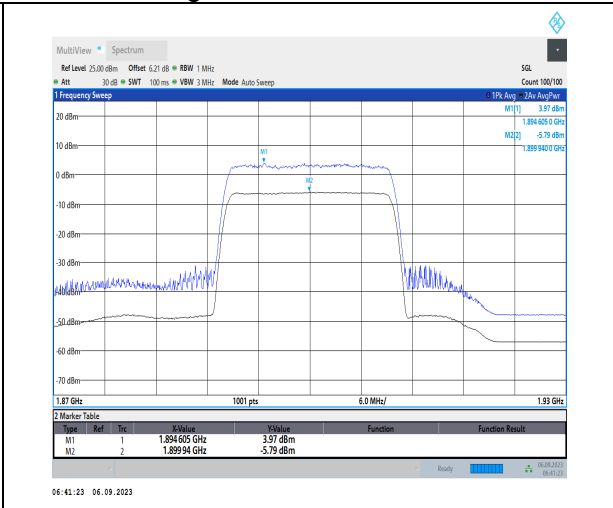


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1-N2-PC3-15-20-H-1-DFT-256QAM-Outer\_Full-100  
@0-Ant3-9.02-100%-0.00-9.02-PASS-≤13



1-N2-PC3-15-20-H-2-CP-256QAM-Outer\_Full-106@  
0-Ant3-9.76-100%-0.00-9.76-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
N2	15	5	DFT-QPSK	M	Outer_Full	4.464	4.780	PASS
N2	15	5	DFT-PI2BPSK	M	Outer_Full	4.462	4.760	PASS
N2	15	5	DFT-16QAM	M	Outer_Full	4.472	4.790	PASS
N2	15	5	DFT-64QAM	M	Outer_Full	4.464	4.750	PASS
N2	15	5	DFT-256QAM	M	Outer_Full	4.473	4.830	PASS
N2	15	5	CP-QPSK	M	Outer_Full	4.473	4.850	PASS
N2	15	5	CP-16QAM	M	Outer_Full	4.462	4.790	PASS
N2	15	5	CP-64QAM	M	Outer_Full	4.466	4.830	PASS
N2	15	5	CP-256QAM	M	Outer_Full	4.467	4.810	PASS
N2	15	10	DFT-QPSK	M	Outer_Full	8.897	9.420	PASS
N2	15	10	DFT-PI2BPSK	M	Outer_Full	8.915	9.340	PASS
N2	15	10	DFT-16QAM	M	Outer_Full	8.893	9.320	PASS
N2	15	10	DFT-64QAM	M	Outer_Full	8.924	9.380	PASS
N2	15	10	DFT-256QAM	M	Outer_Full	8.914	9.380	PASS
N2	15	10	CP-QPSK	M	Outer_Full	9.283	9.680	PASS
N2	15	10	CP-16QAM	M	Outer_Full	9.284	9.700	PASS
N2	15	10	CP-64QAM	M	Outer_Full	9.305	9.720	PASS
N2	15	10	CP-256QAM	M	Outer_Full	9.296	9.760	PASS
N2	15	15	DFT-QPSK	M	Outer_Full	13.432	14.070	PASS
N2	15	15	DFT-PI2BPSK	M	Outer_Full	13.4	14.100	PASS
N2	15	15	DFT-16QAM	M	Outer_Full	13.42	14.100	PASS
N2	15	15	DFT-64QAM	M	Outer_Full	13.446	14.100	PASS
N2	15	15	DFT-256QAM	M	Outer_Full	13.412	14.100	PASS
N2	15	15	CP-QPSK	M	Outer_Full	14.117	14.850	PASS
N2	15	15	CP-16QAM	M	Outer_Full	14.082	14.790	PASS
N2	15	15	CP-64QAM	M	Outer_Full	14.139	14.820	PASS
N2	15	15	CP-256QAM	M	Outer_Full	14.094	14.850	PASS
N2	15	20	DFT-QPSK	M	Outer_Full	17.878	18.680	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	17.906	18.560	PASS
N2	15	20	DFT-16QAM	M	Outer_Full	17.877	18.640	PASS



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N2	15	20	DFT-64QAM	M	Outer_Full	17.865	18.680	PASS
N2	15	20	DFT-256QAM	M	Outer_Full	17.879	18.600	PASS
N2	15	20	CP-QPSK	M	Outer_Full	18.959	19.680	PASS
N2	15	20	CP-16QAM	M	Outer_Full	18.924	19.600	PASS
N2	15	20	CP-64QAM	M	Outer_Full	18.924	19.680	PASS
N2	15	20	CP-256QAM	M	Outer_Full	18.89	19.680	PASS



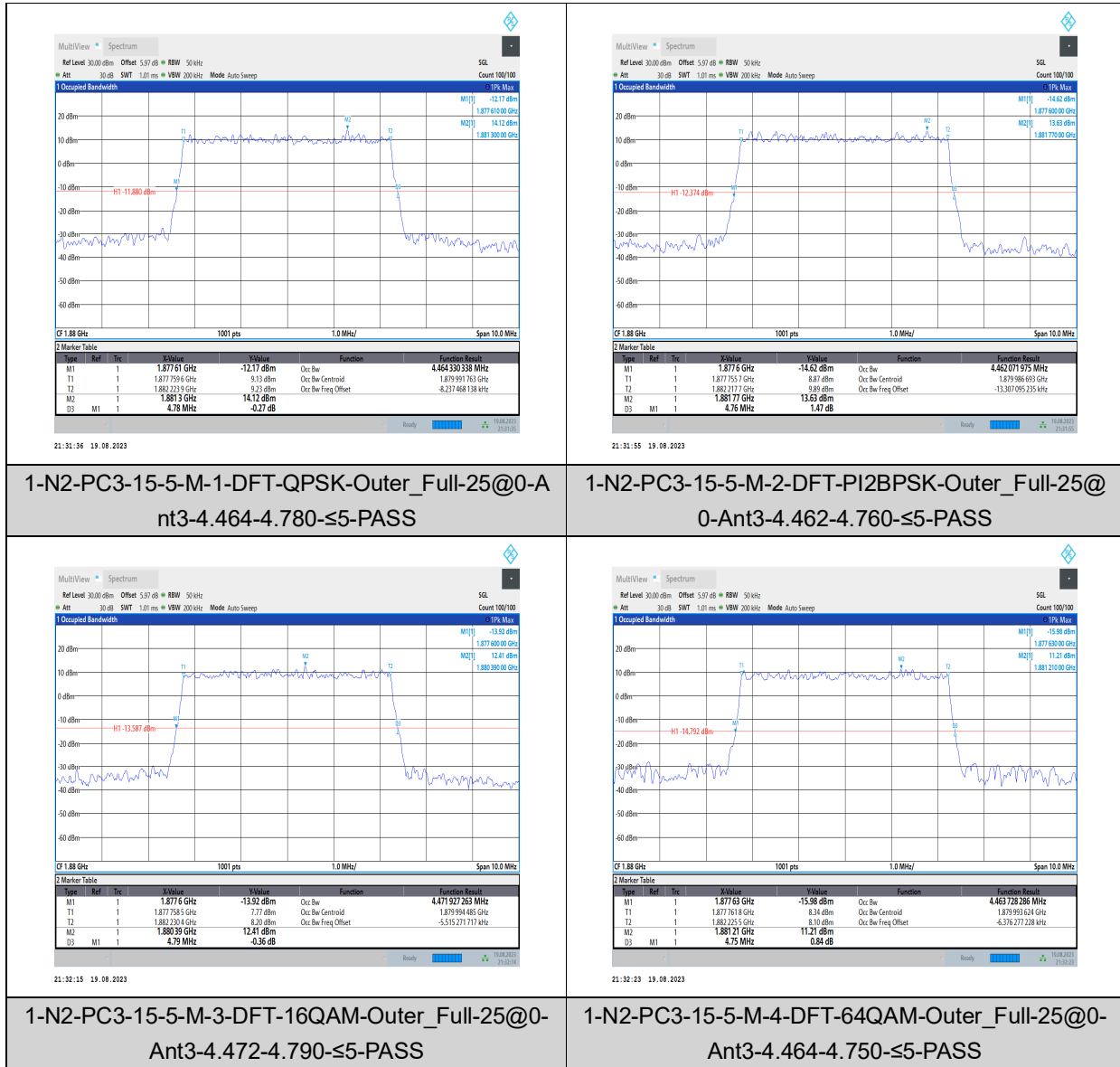
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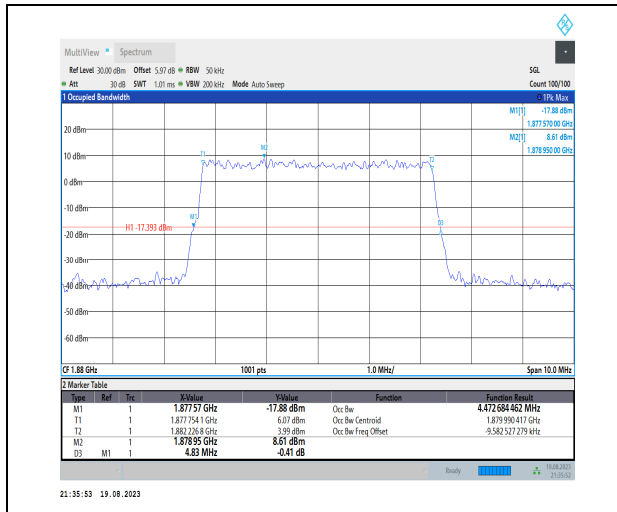


Test Graphs

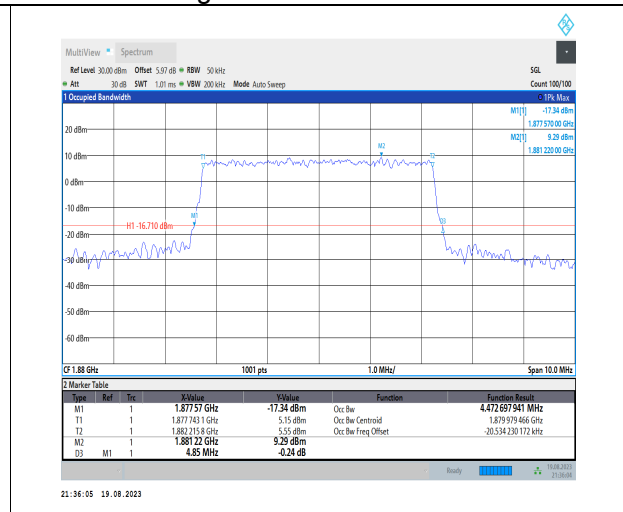


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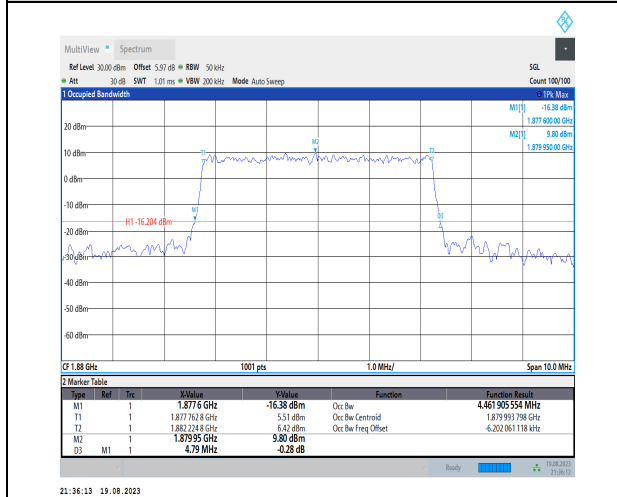
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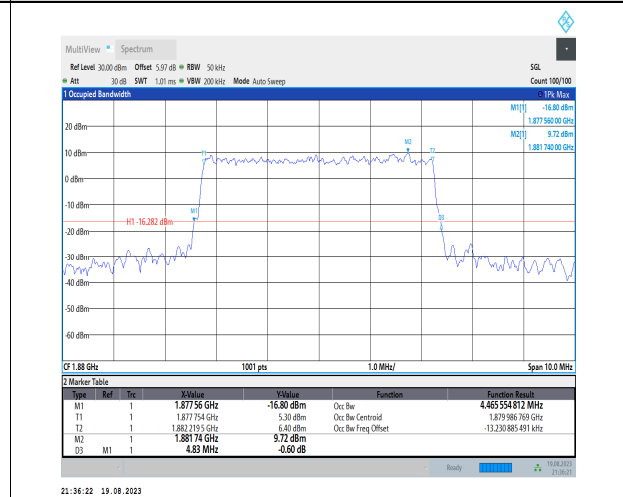
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-Ant3-4.473-4.830-≤5-PASS



1-N2-PC3-15-5-M-6-CP-QPSK-Outer\_Full-25@0-An  
t3-4.473-4.850-≤5-PASS



1-N2-PC3-15-5-M-7-CP-16QAM-Outer\_Full-25@0-A  
nt3-4.462-4.790-≤5-PASS

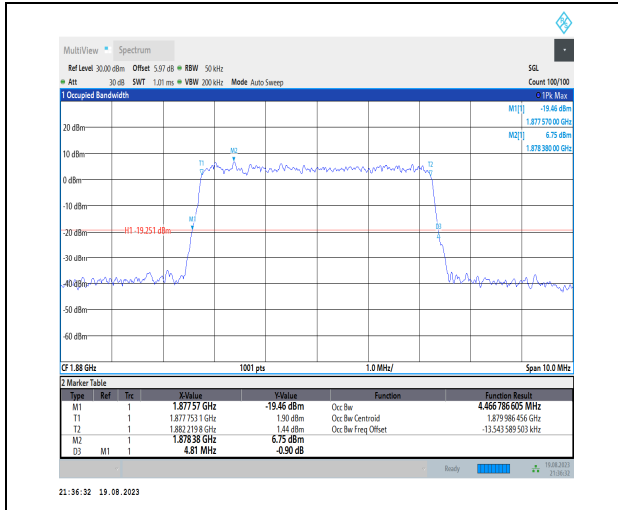


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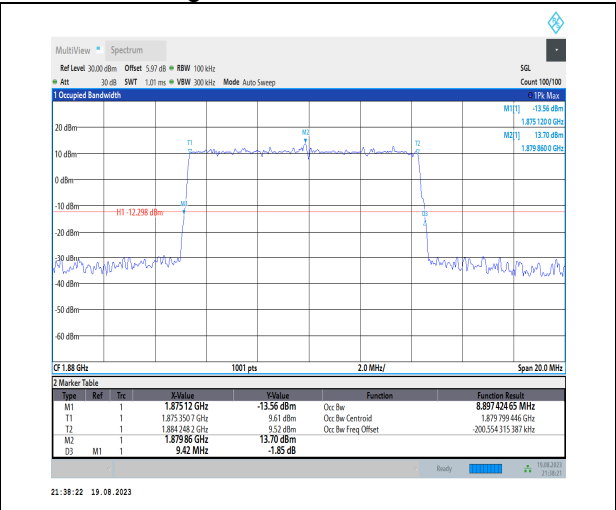


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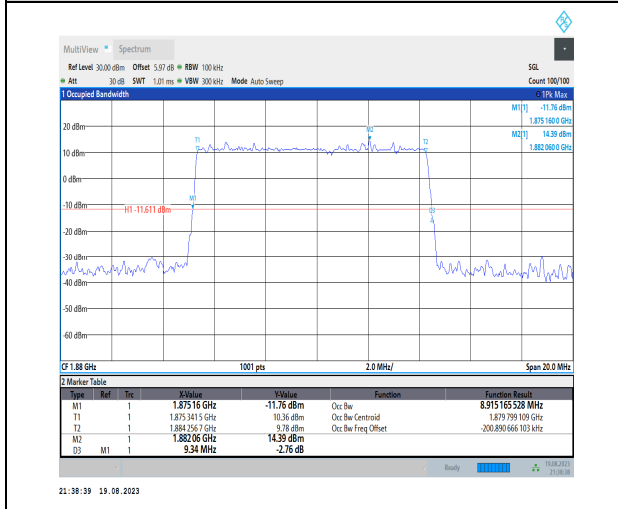
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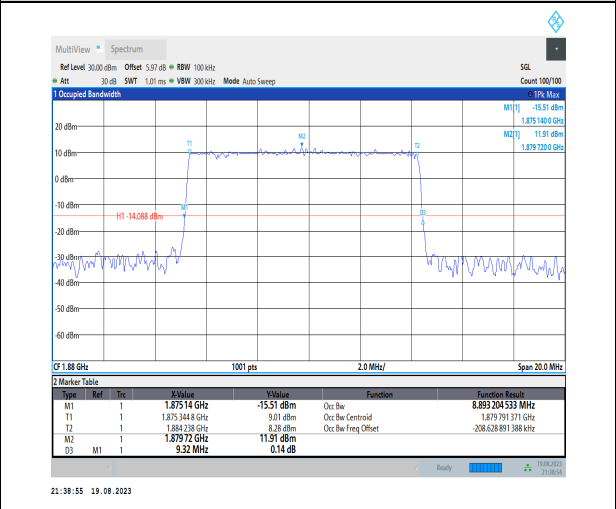
1-N2-PC3-15-5-M-9-CP-256QAM-Outer\_Full-25@0-Ant3-4.467-4.810-≤5-PASS



1-N2-PC3-15-10-M-1-DFT-QPSK-Outer\_Full-50@0-Ant3-8.897-9.420-≤10-PASS



1-N2-PC3-15-10-M-2-DFT-PI2BPSK-Outer\_Full-50@0-Ant3-8.915-9.340-≤10-PASS

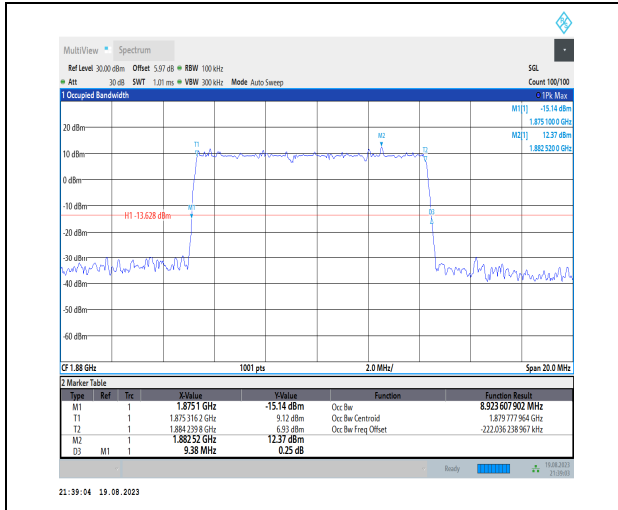


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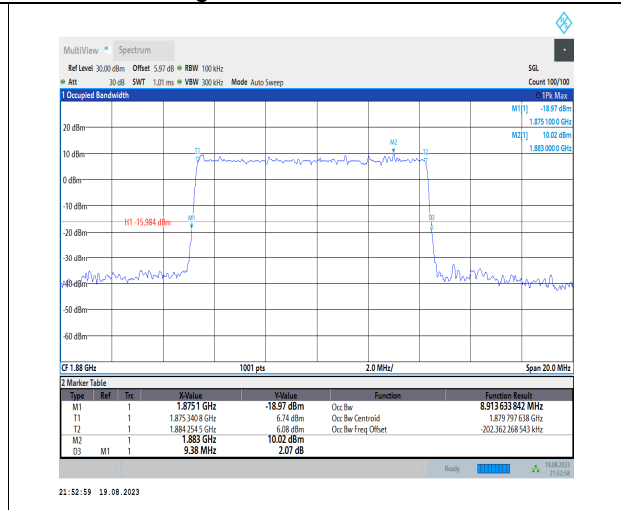


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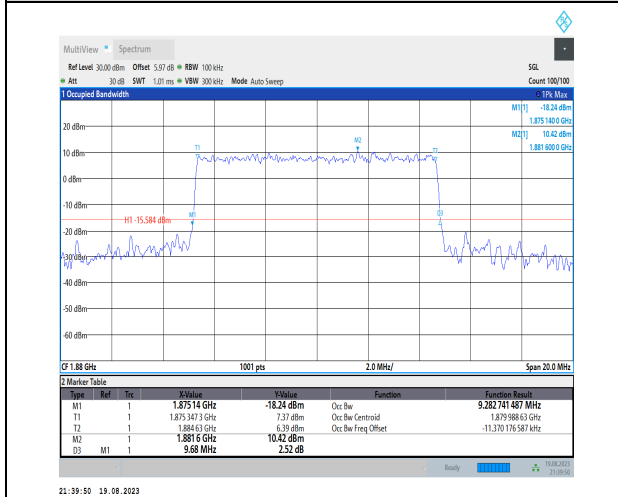
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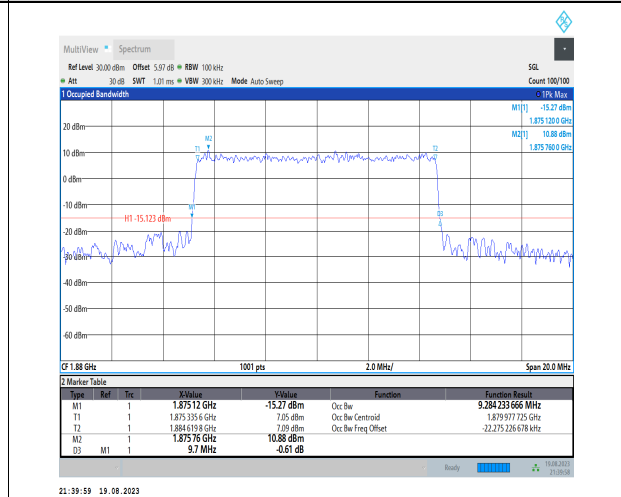
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1-N2-PC3-15-10-M-5-DFT-256QAM-Outer\_Full-50@0-Ant3-8.914-9.380-≤10-PASS



1-N2-PC3-15-10-M-6-CP-QPSK-Outer\_Full-52@0-Ant3-9.283-9.680-≤10-PASS

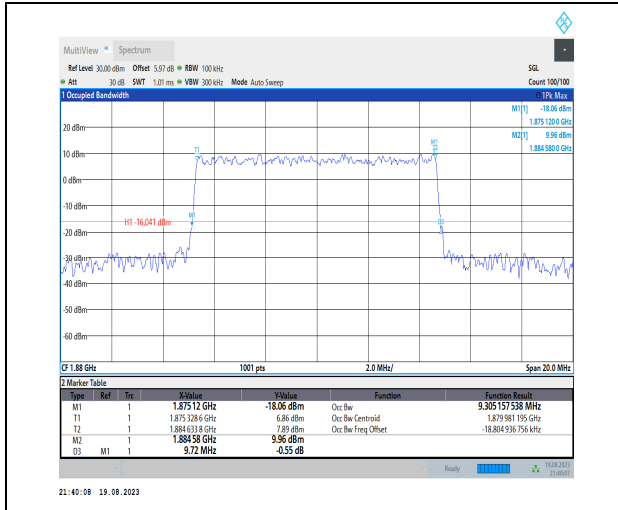


1-N2-PC3-15-10-M-7-CP-16QAM-Outer\_Full-52@0-Ant3-9.284-9.700-≤10-PASS



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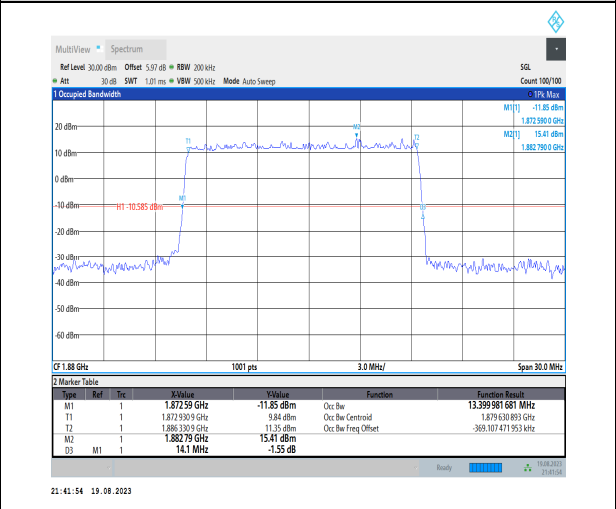
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1-N2-PC3-15-10-M-9-CP-256QAM-Outer\_Full-52@0-Ant3-9.296-9.760-≤10-PASS



1-N2-PC3-15-15-M-1-DFT-QPSK-Outer\_Full-75@0-Ant3-13.432-14.070-≤15-PASS

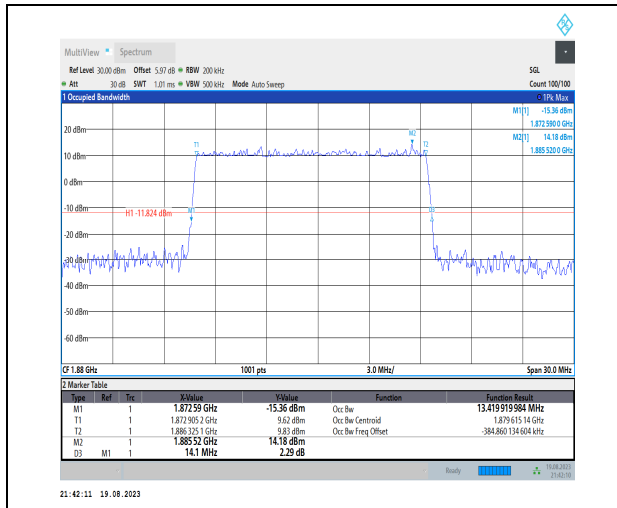


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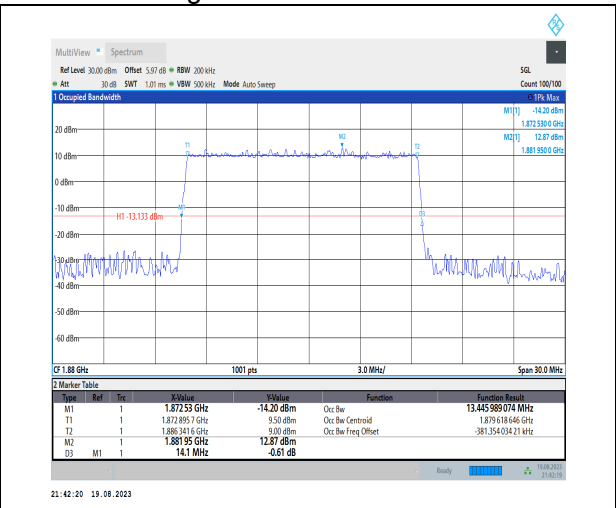


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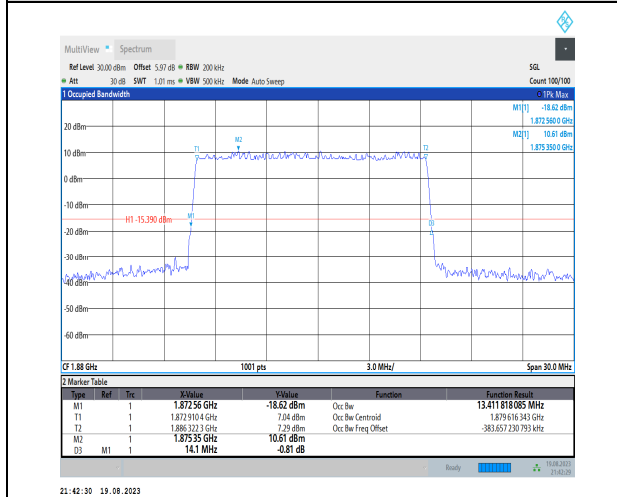
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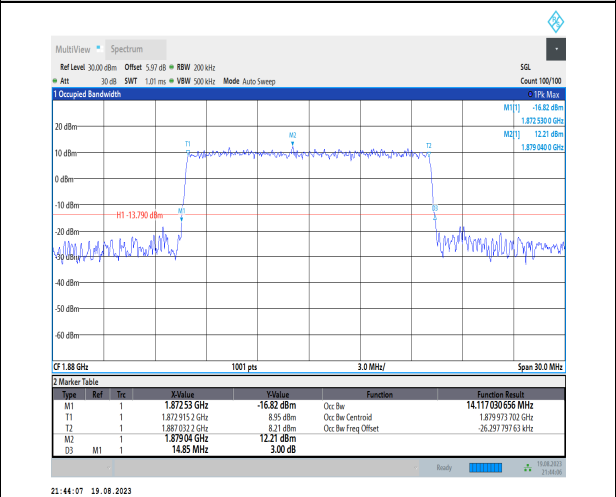
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-Ant3-13.42-14.100≤15-PASS



1-N2-PC3-15-15-M-4-DFT-64QAM-Outer\_Full-75@0  
-Ant3-13.446-14.100≤15-PASS



1-N2-PC3-15-15-M-5-DFT-256QAM-Outer\_Full-75@0  
-Ant3-13.412-14.100≤15-PASS

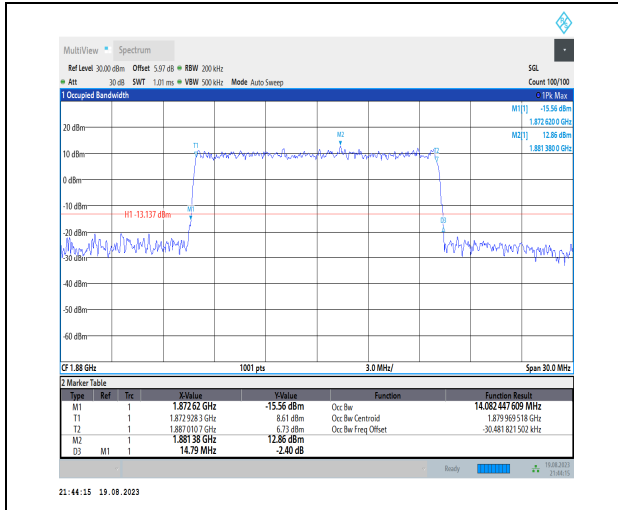


1-N2-PC3-15-15-M-6-CP-QPSK-Outer\_Full-79@0-A  
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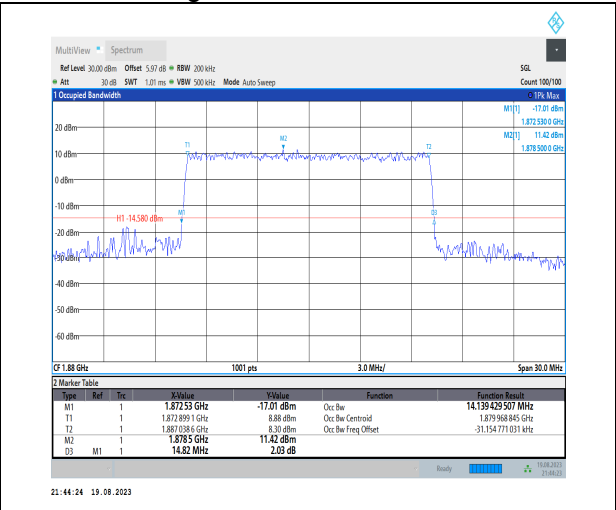


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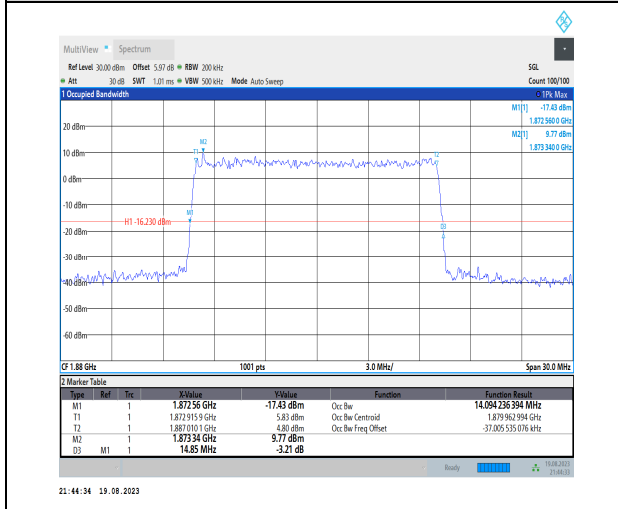
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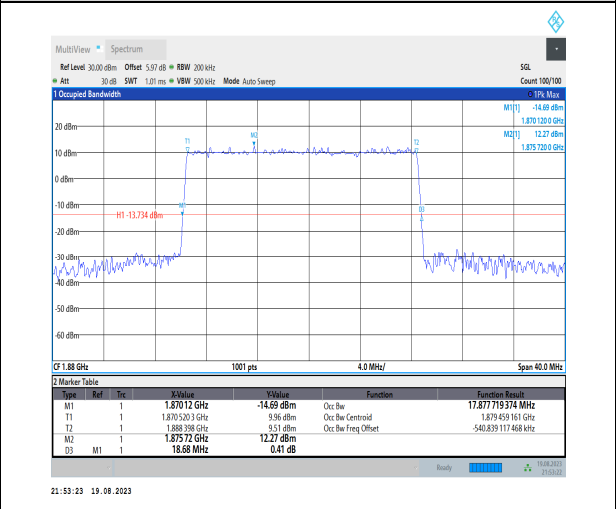
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1-N2-PC3-15-15-M-8-CP-64QAM-Outer\_Full-79@0-Ant3-14.139-14.820-<=15-PASS



1-N2-PC3-15-15-M-9-CP-256QAM-Outer\_Full-79@0-Ant3-14.094-14.850-<=15-PASS

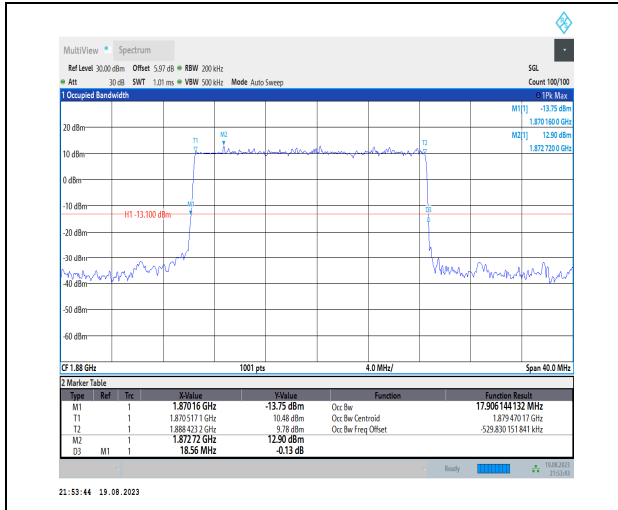


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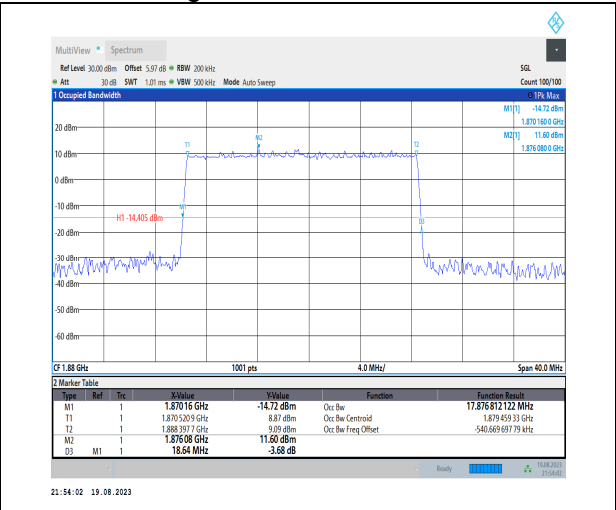


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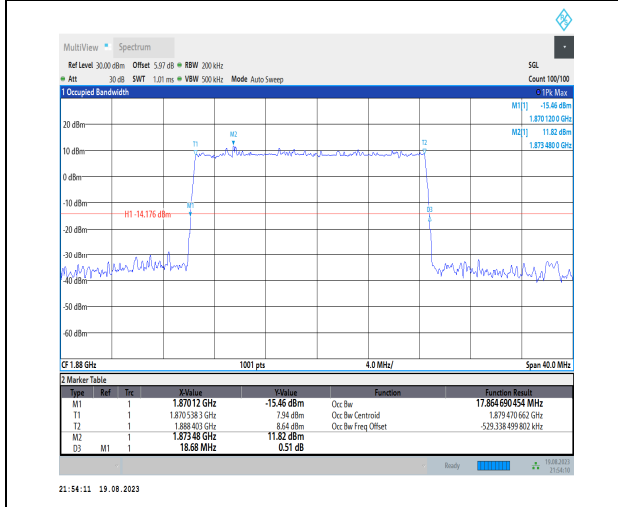
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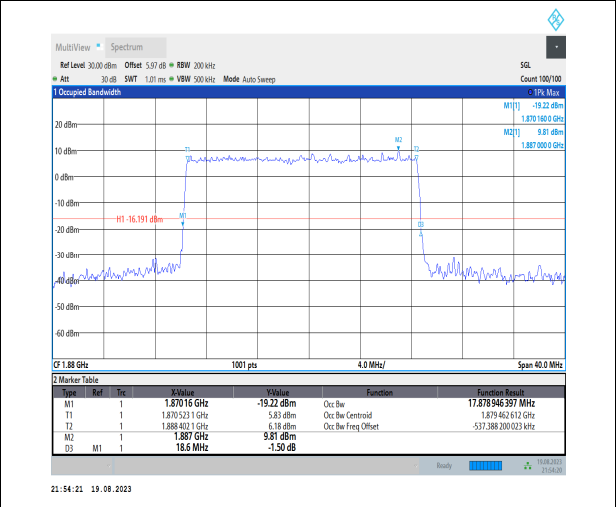
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1-N2-PC3-15-20-M-3-DFT-16QAM-Outer\_Full-100 @0-Ant3-17.877-18.640-≤20-PASS



1-N2-PC3-15-20-M-4-DFT-64QAM-Outer\_Full-100 @0-Ant3-17.865-18.680-≤20-PASS



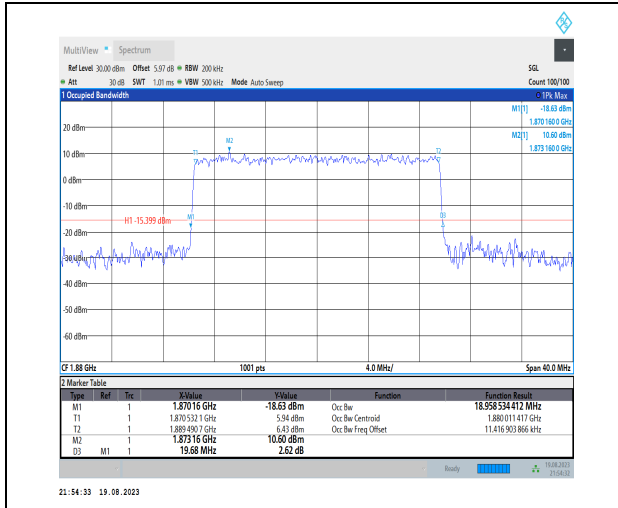
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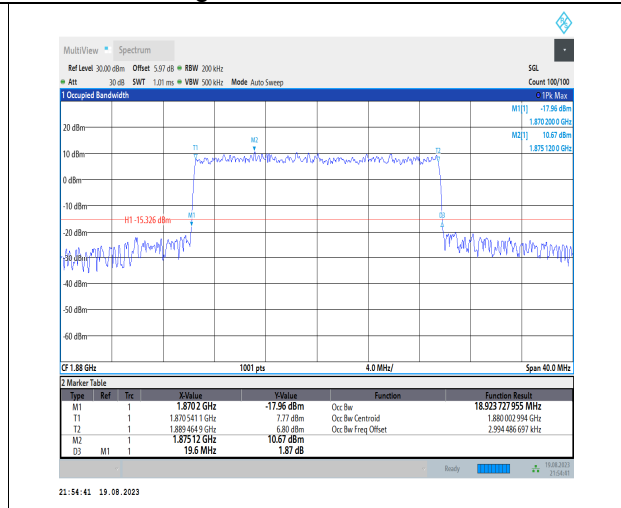
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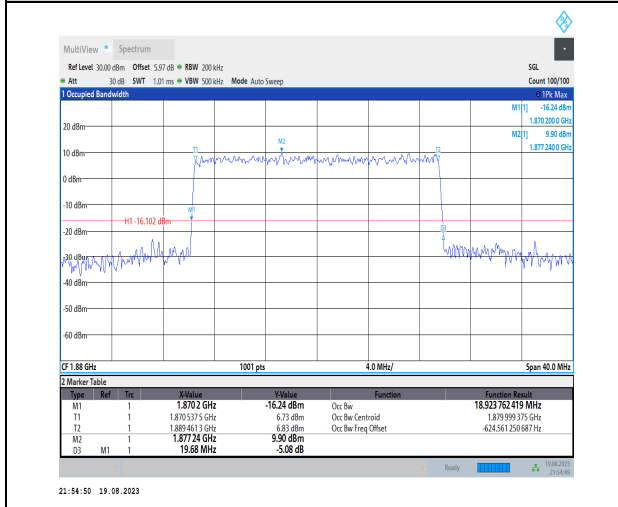




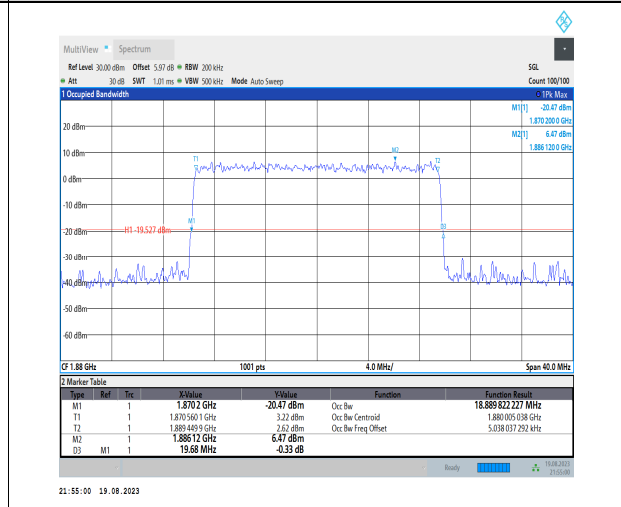
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1-N2-PC3-15-20-M-7-CP-16QAM-Outer\_Full-106@0-Ant3-18.924-19.600-<20-PASS



1-N2-PC3-15-20-M-8-CP-64QAM-Outer\_Full-106@0-Ant3-18.924-19.680-<20-PASS



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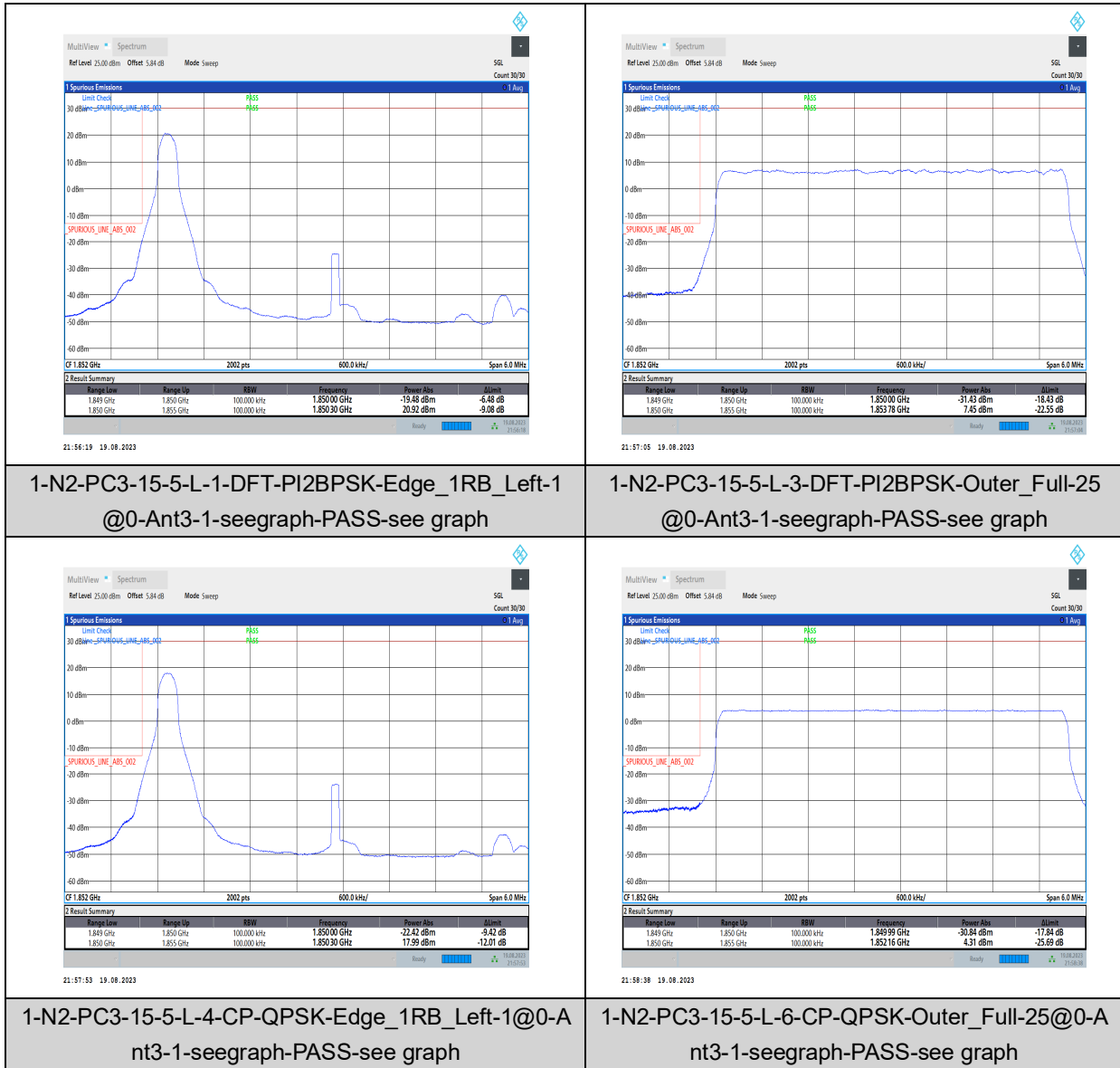


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## Band Edge for SA

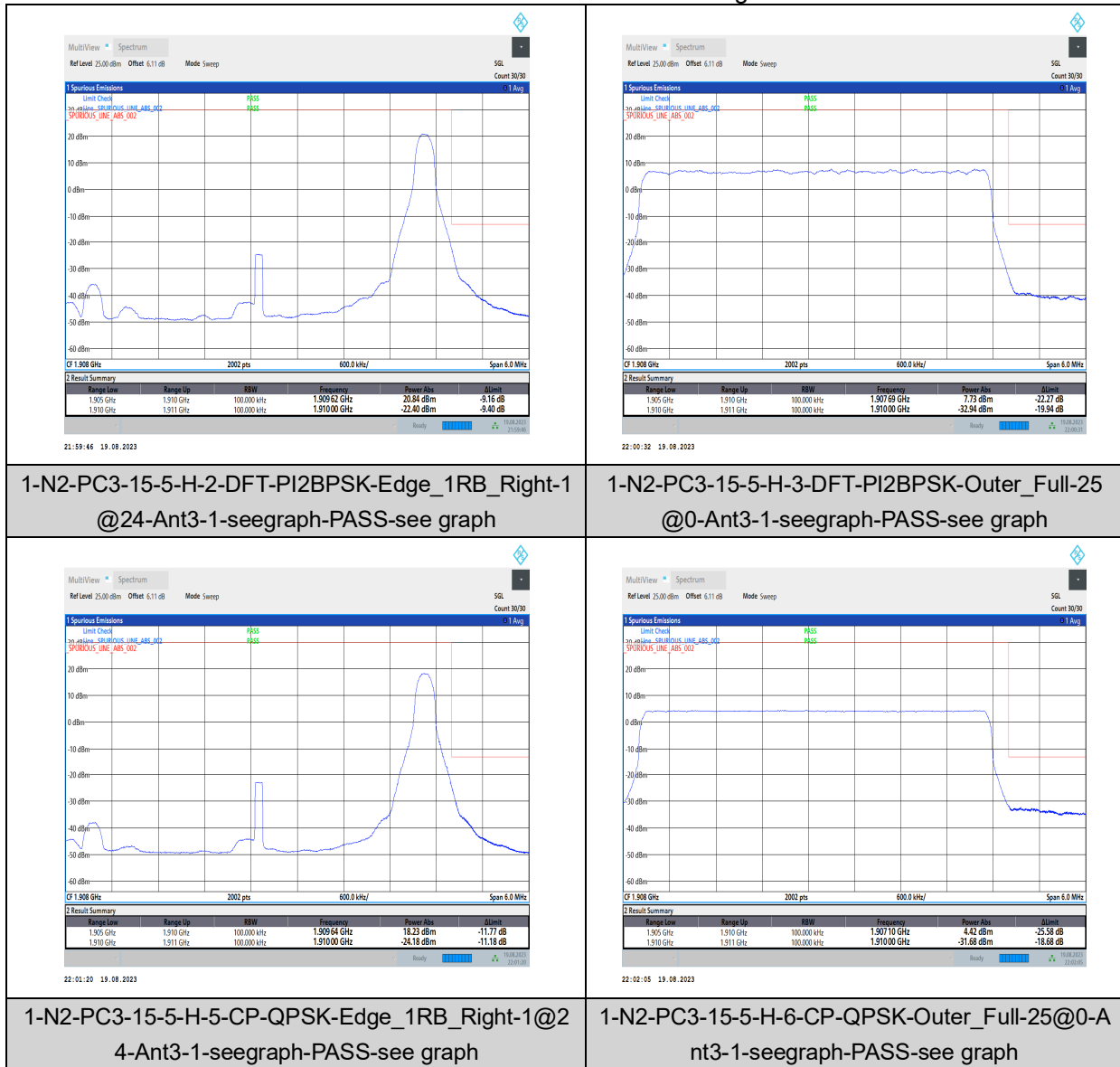
### Test Graphs



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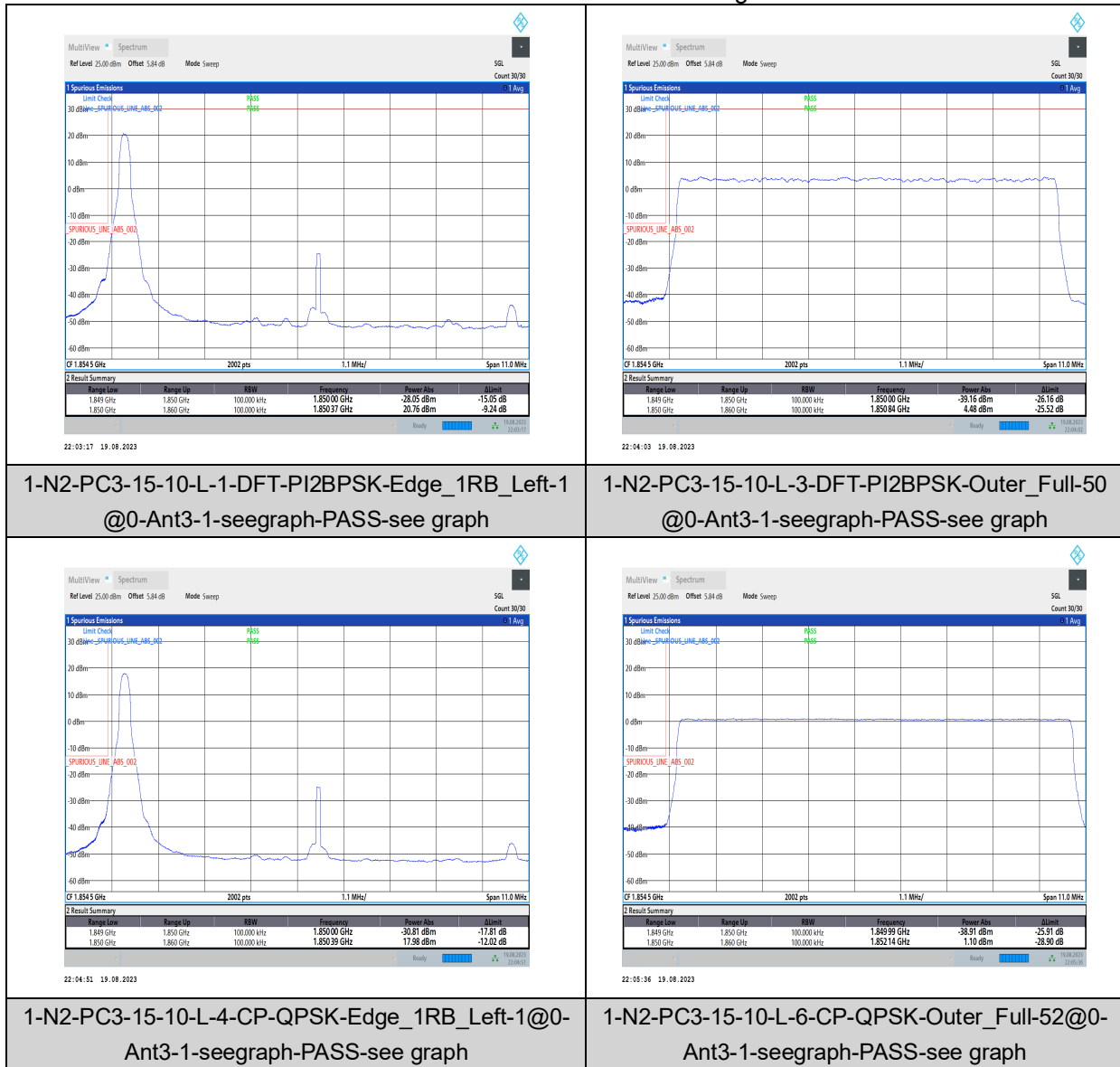
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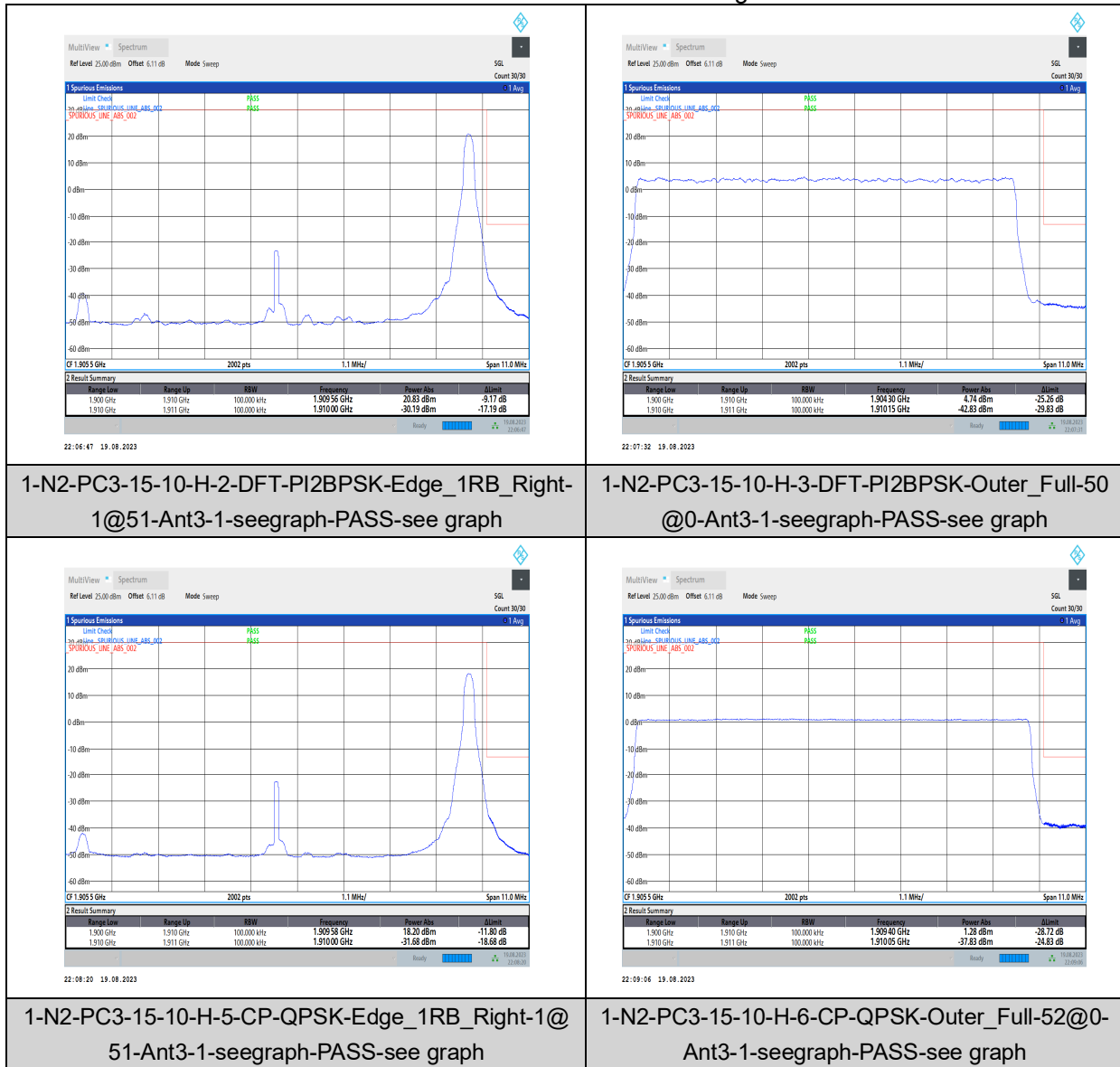
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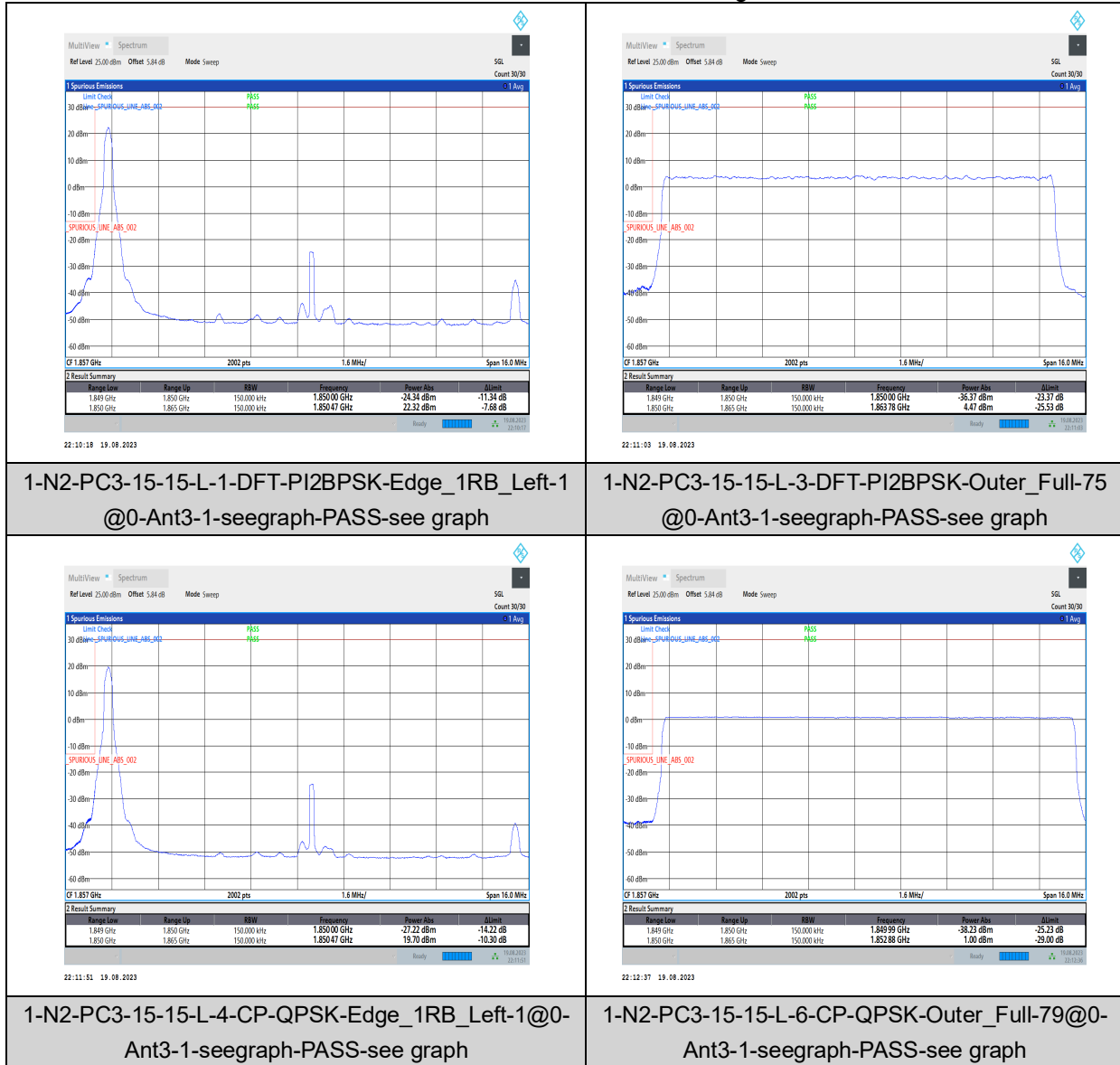
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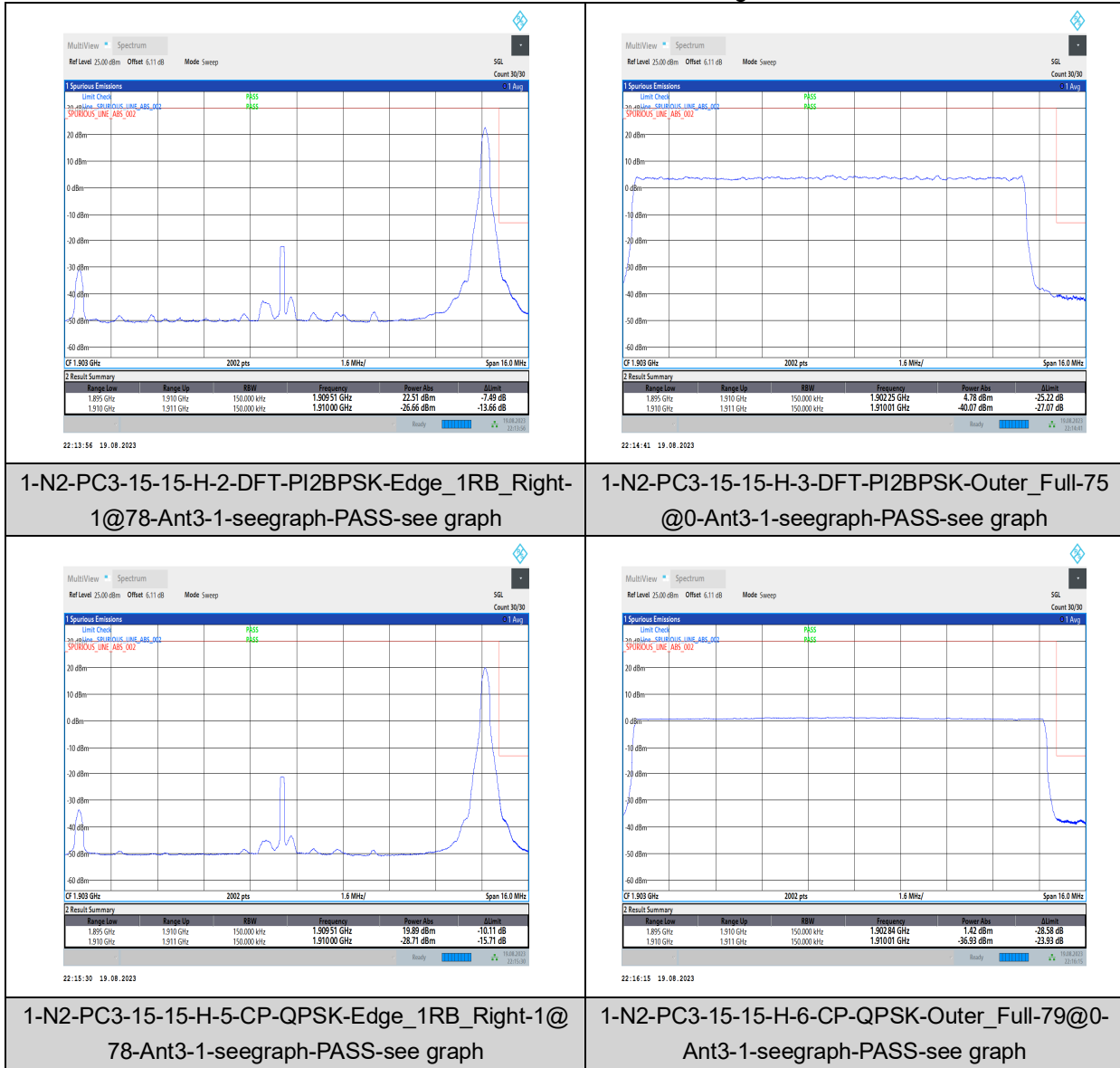
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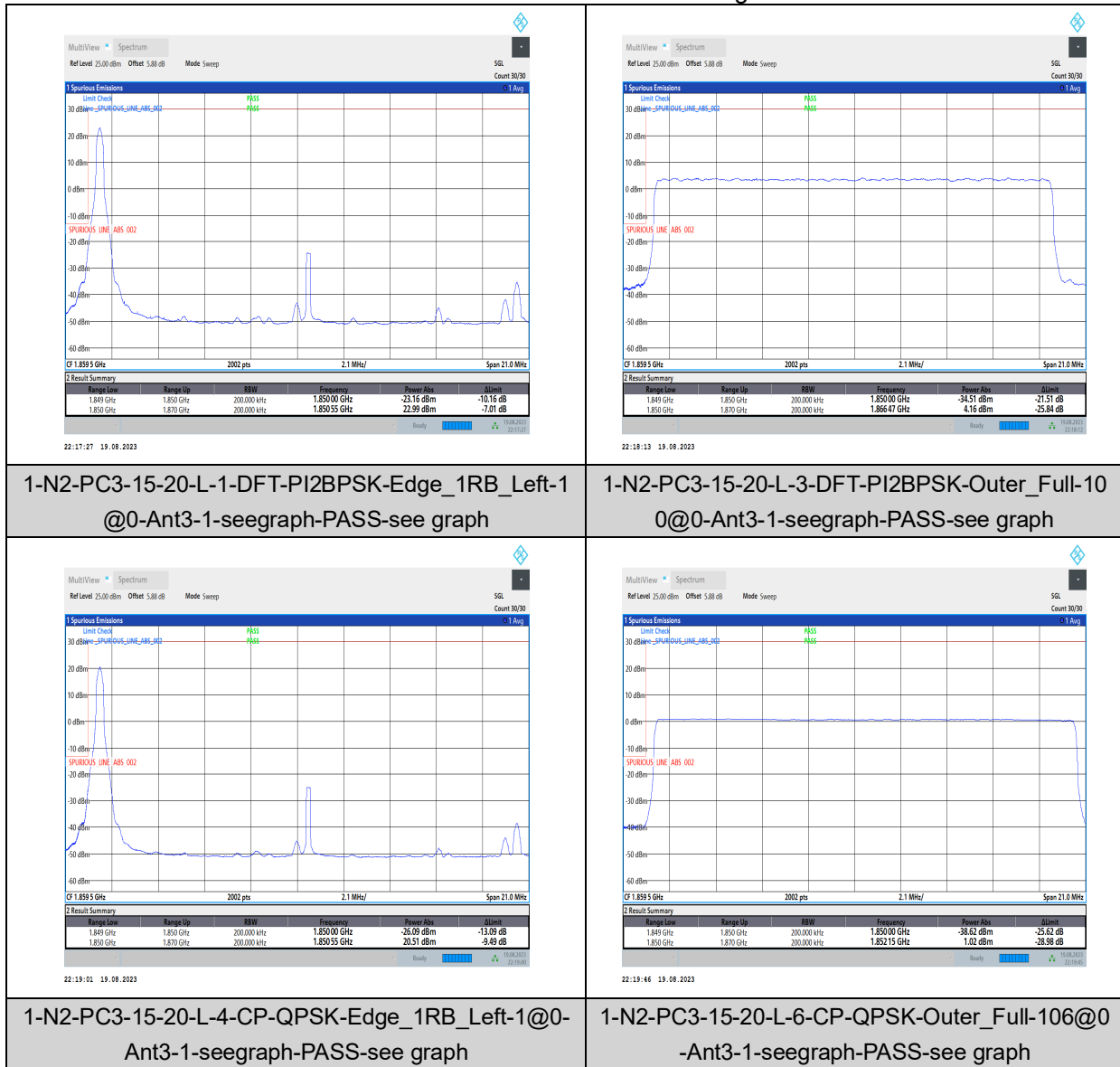
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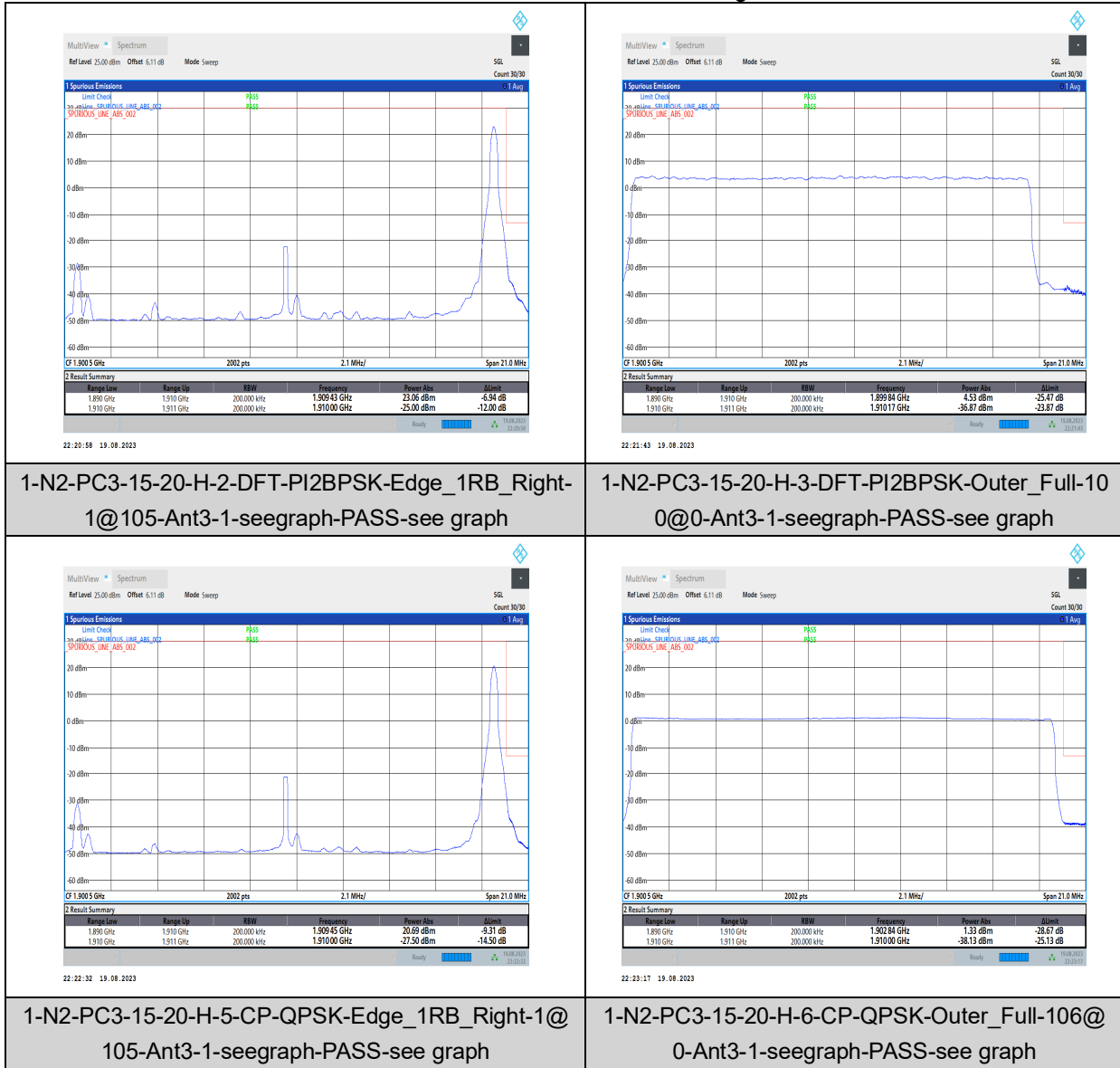
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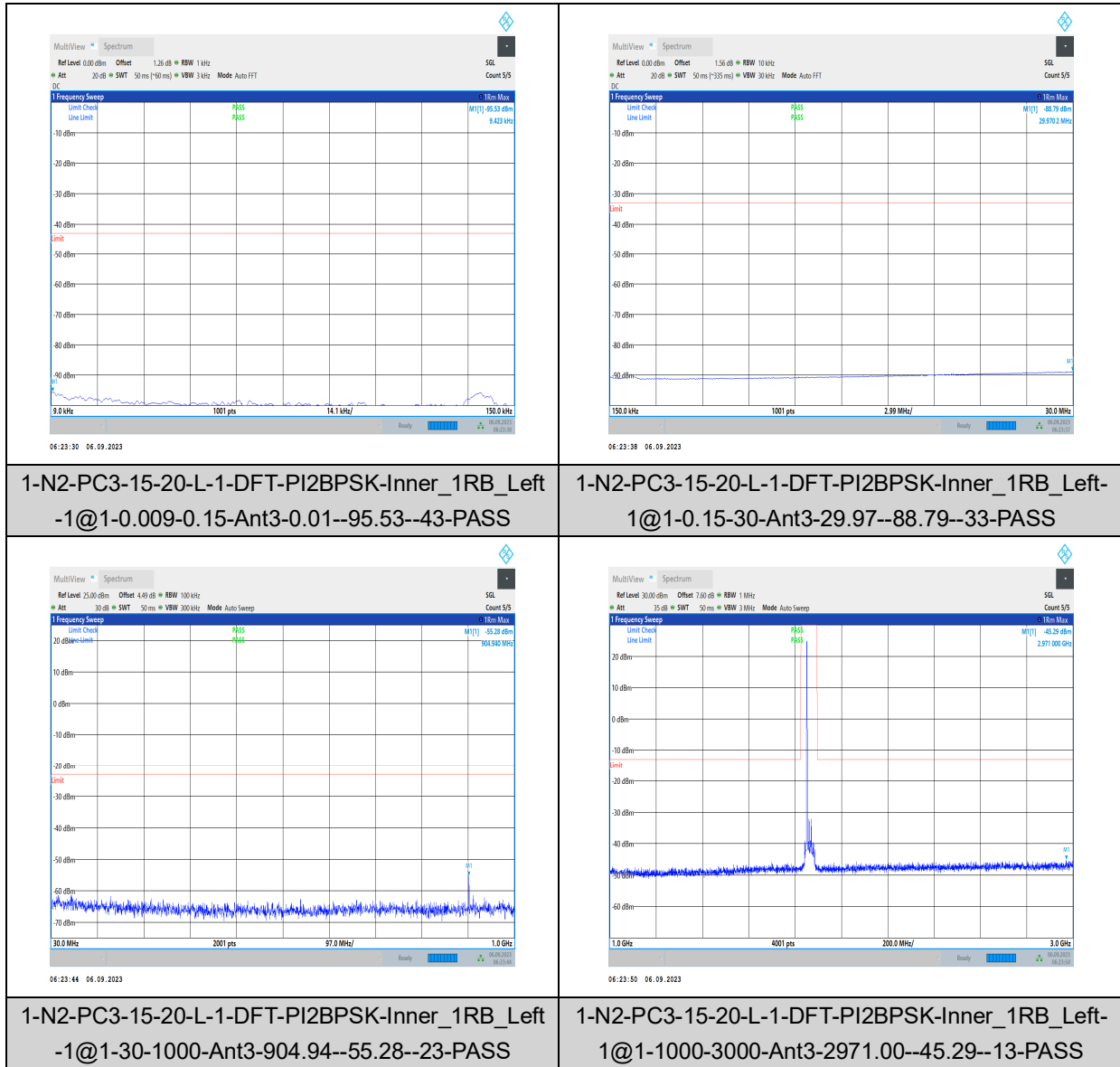


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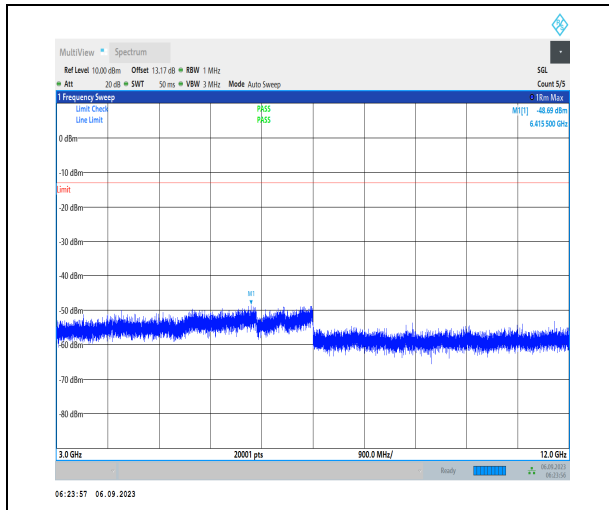
## Conducted Spurious Emission for SA

### Test Graphs

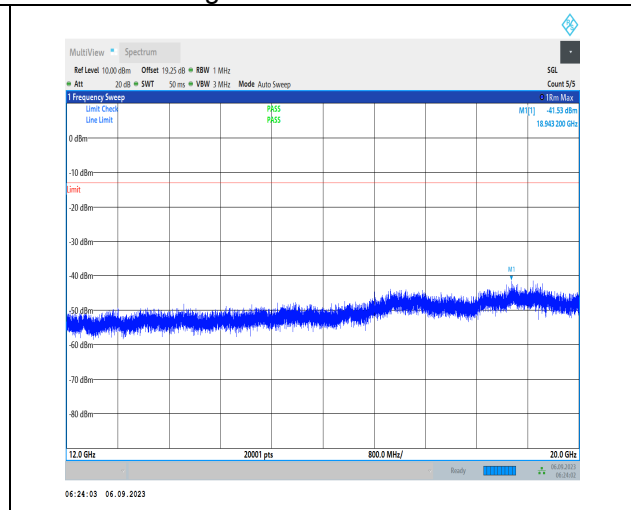


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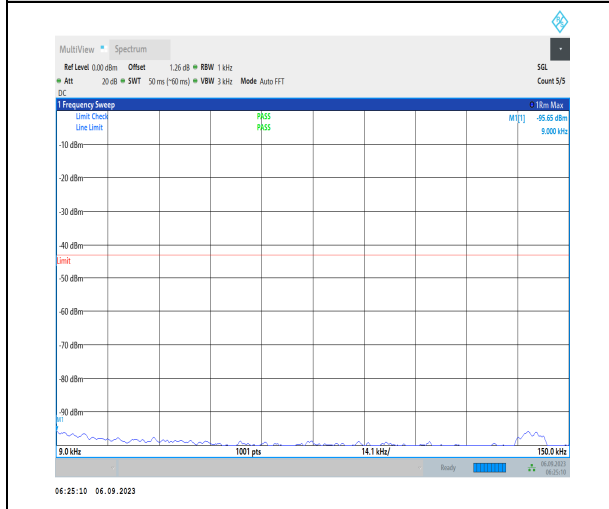
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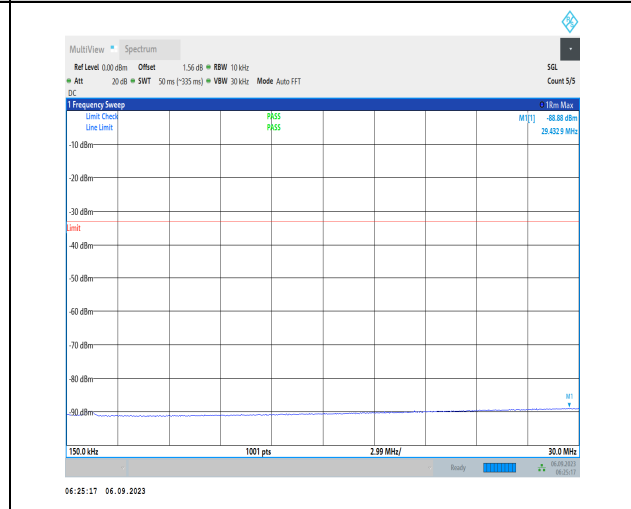
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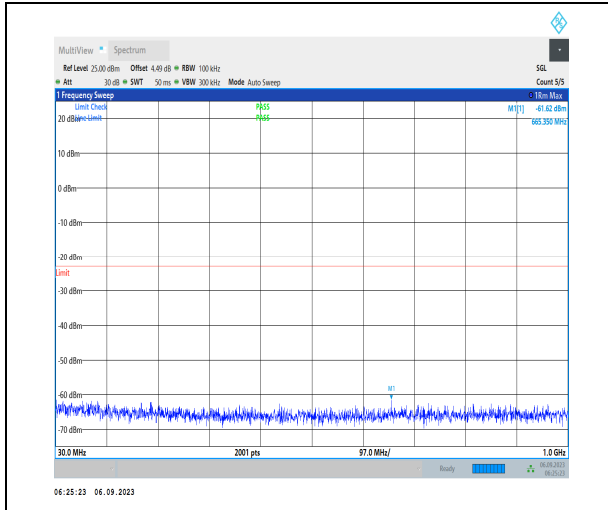


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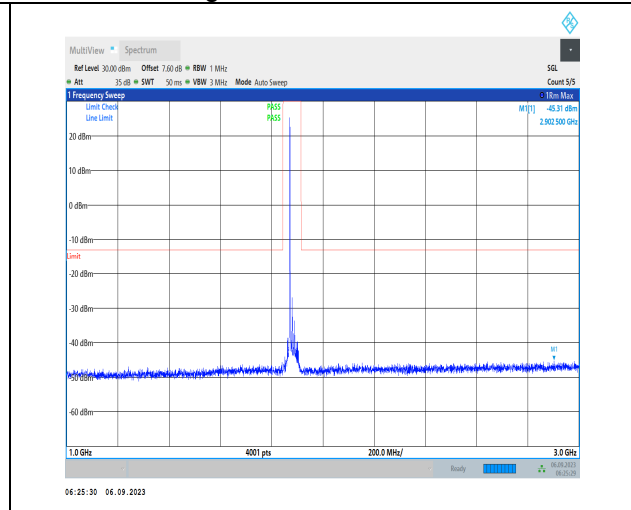


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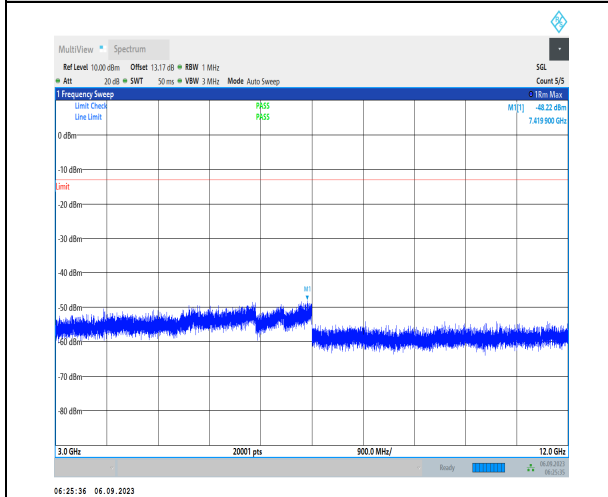
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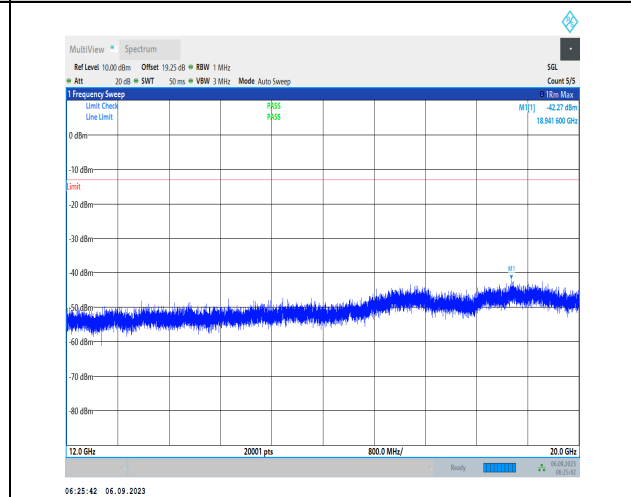
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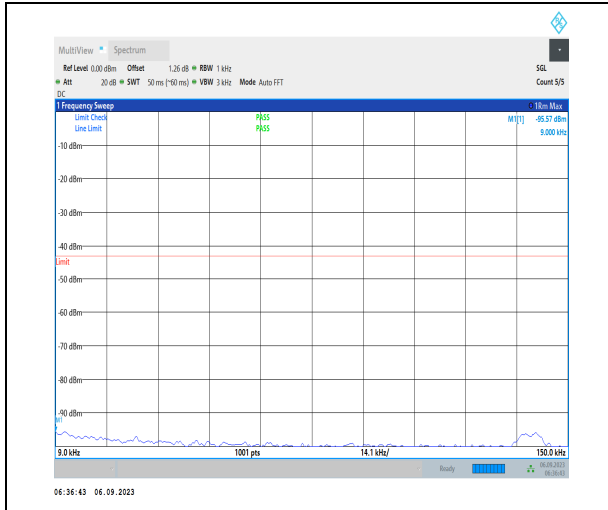


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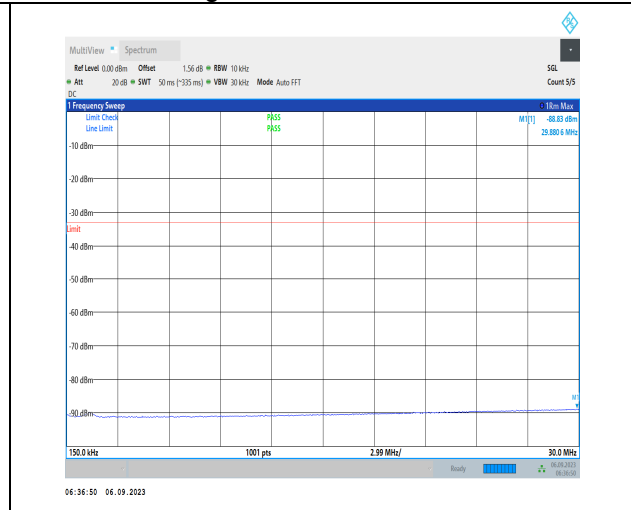


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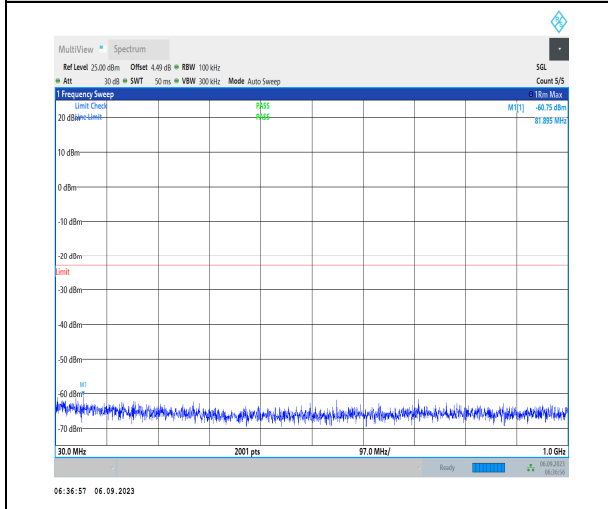
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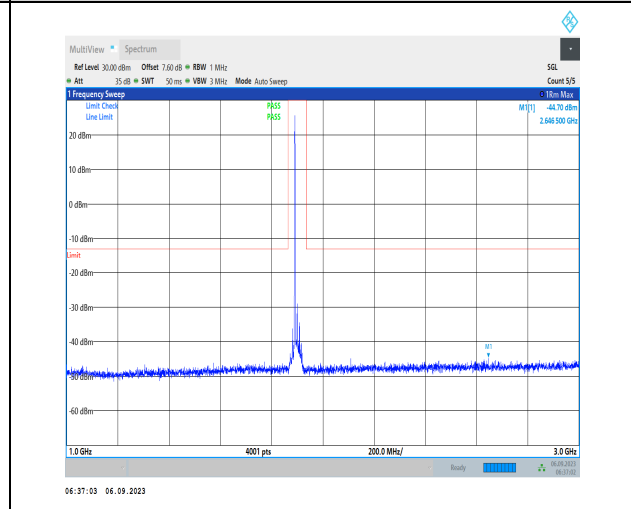
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1-N2-PC3-15-20-H-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-0.15-30-Ant3-29.88--88.83--33-PASS



1-N2-PC3-15-20-H-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-30-1000-Ant3-81.90--60.75--23-PASS

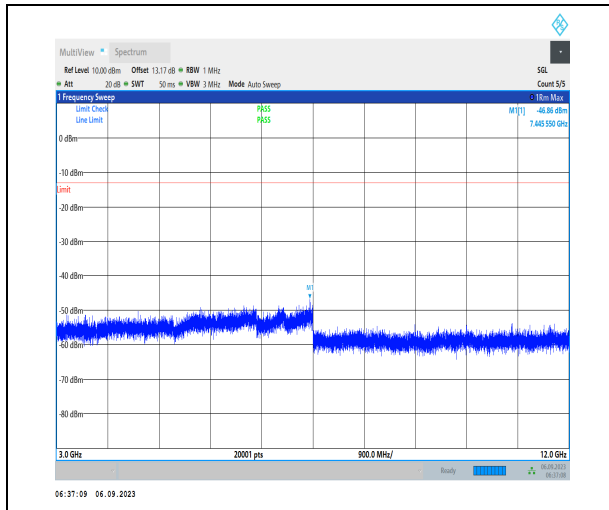


1-N2-PC3-15-20-H-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-1000-3000-Ant3-2646.50--44.70--13-PASS

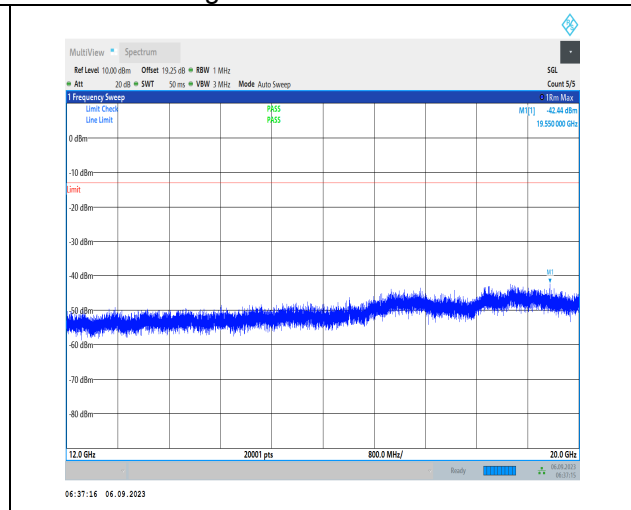


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1-N2-PC3-15-20-H-1-DFT-PI2BPSK-Inner\_1RB\_Left-t-1@1-3000-12000-Ant3-7445.55--46.86--13-PASS



1-N2-PC3-15-20-H-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-12000-20000-Ant3-19550.00--42.44--13-PASS



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## Field Strength of Spurious Radiation

Test Band = SA Band2\_20MHz\_ 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	3702.1800	40.51	-45.51	28.80	-71.46	-13.00	58.46	Horizontal
2	5553.2700	39.51	-45.15	32.61	-68.29	-13.00	55.29	Horizontal
3	7404.3600	38.07	-43.40	36.33	-64.25	-13.00	51.25	Horizontal
4	9255.4500	33.32	-40.23	36.79	-65.39	-13.00	52.39	Horizontal
5	11106.5400	28.34	-37.93	38.71	-66.14	-13.00	53.14	Horizontal
6	12957.6300	26.53	-37.24	39.09	-66.88	-13.00	53.88	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3702.1800	39.69	-45.51	28.80	-72.28	-13.00	59.28	Vertical
2	5553.2700	39.61	-45.15	32.61	-68.19	-13.00	55.19	Vertical
3	7404.3600	37.85	-43.40	36.33	-64.47	-13.00	51.47	Vertical
4	9255.4500	33.20	-40.23	36.79	-65.51	-13.00	52.51	Vertical
5	11106.5400	28.27	-37.93	38.71	-66.21	-13.00	53.21	Vertical
6	12957.6300	26.92	-37.24	39.09	-66.49	-13.00	53.49	Vertical



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**Test Band = SA Band2\_20MHz\_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	3742.1800	40.26	-45.68	28.84	-71.84	-13.00	58.84	Horizontal
2	5613.2700	38.91	-45.04	32.62	-68.77	-13.00	55.77	Horizontal
3	7484.3600	37.16	-43.18	36.56	-64.72	-13.00	51.72	Horizontal
4	9355.4500	33.12	-40.00	36.98	-65.17	-13.00	52.17	Horizontal
5	11226.5400	30.00	-37.40	38.72	-63.94	-13.00	50.94	Horizontal
6	13097.6300	25.81	-37.01	39.28	-67.18	-13.00	54.18	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3742.1800	40.17	-45.68	28.84	-71.93	-13.00	58.93	Vertical
2	5613.2700	39.59	-45.04	32.62	-68.09	-13.00	55.09	Vertical
3	7484.3600	37.07	-43.18	36.56	-64.81	-13.00	51.81	Vertical
4	9355.4500	33.16	-40.00	36.98	-65.13	-13.00	52.13	Vertical
5	11226.5400	29.61	-37.40	38.72	-64.33	-13.00	51.33	Vertical
6	13097.6300	26.57	-37.01	39.28	-66.42	-13.00	53.42	Vertical



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Test Band = SA Band2\_20MHz\_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	3782.1800	40.65	-45.85	28.88	-71.57	-13.00	58.57	Horizontal
2	5673.2700	38.92	-44.91	32.63	-68.61	-13.00	55.61	Horizontal
3	7564.3600	37.38	-43.00	36.63	-64.26	-13.00	51.26	Horizontal
4	9455.4500	34.28	-40.05	37.17	-63.87	-13.00	50.87	Horizontal
5	11346.5400	29.23	-37.40	38.73	-64.69	-13.00	51.69	Horizontal
6	13237.6300	25.91	-37.08	39.53	-66.90	-13.00	53.90	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3782.1800	40.21	-45.85	28.88	-72.01	-13.00	59.01	Vertical
2	5673.2700	38.90	-44.91	32.63	-68.63	-13.00	55.63	Vertical
3	7564.3600	37.36	-43.00	36.63	-64.28	-13.00	51.28	Vertical
4	9455.4500	33.68	-40.05	37.17	-64.47	-13.00	51.47	Vertical
5	11346.5400	28.74	-37.40	38.73	-65.18	-13.00	52.18	Vertical
6	13237.6300	25.87	-37.08	39.53	-66.94	-13.00	53.94	Vertical



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**Test Band = NSA 66A-N2A\_ 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	3702.1800	40.71	-45.51	28.80	-71.26	-13.00	58.26	Horizontal
2	5553.2700	39.31	-45.15	32.61	-68.49	-13.00	55.49	Horizontal
3	7404.3600	38.37	-43.40	36.33	-63.95	-13.00	50.95	Horizontal
4	9255.4500	33.15	-40.23	36.79	-65.56	-13.00	52.56	Horizontal
5	11106.5400	29.15	-37.93	38.71	-65.33	-13.00	52.33	Horizontal
6	12957.6300	27.16	-37.24	39.09	-66.25	-13.00	53.25	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3702.1800	40.13	-45.51	28.80	-71.84	-13.00	58.84	Vertical
2	5553.2700	39.52	-45.15	32.61	-68.28	-13.00	55.28	Vertical
3	7404.3600	38.47	-43.40	36.33	-63.85	-13.00	50.85	Vertical
4	9255.4500	34.00	-40.23	36.79	-64.71	-13.00	51.71	Vertical
5	11106.5400	29.02	-37.93	38.71	-65.46	-13.00	52.46	Vertical
6	12957.6300	27.01	-37.24	39.09	-66.40	-13.00	53.40	Vertical



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Test Band = NSA 66A-N2A\_ 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	3742.1800	39.72	-45.68	28.84	-72.38	-13.00	59.38	Horizontal
2	5613.2700	39.25	-45.04	32.62	-68.43	-13.00	55.43	Horizontal
3	7484.3600	37.36	-43.18	36.56	-64.52	-13.00	51.52	Horizontal
4	9355.4500	32.99	-40.00	36.98	-65.30	-13.00	52.30	Horizontal
5	11226.5400	30.76	-37.40	38.72	-63.18	-13.00	50.18	Horizontal
6	13097.6300	26.48	-37.01	39.28	-66.51	-13.00	53.51	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3742.1800	40.11	-45.68	28.84	-71.99	-13.00	58.99	Vertical
2	5613.2700	39.08	-45.04	32.62	-68.60	-13.00	55.60	Vertical
3	7484.3600	37.26	-43.18	36.56	-64.62	-13.00	51.62	Vertical
4	9355.4500	33.32	-40.00	36.98	-64.97	-13.00	51.97	Vertical
5	11226.5400	30.82	-37.40	38.72	-63.12	-13.00	50.12	Vertical
6	13097.6300	26.89	-37.01	39.28	-66.10	-13.00	53.10	Vertical



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**Test Band = NSA 66A-N2A\_ 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	3782.1800	40.52	-45.85	28.88	-71.70	-13.00	58.70	Horizontal
2	5673.2700	39.36	-44.91	32.63	-68.17	-13.00	55.17	Horizontal
3	7564.3600	36.89	-43.00	36.63	-64.75	-13.00	51.75	Horizontal
4	9455.4500	33.89	-40.05	37.17	-64.26	-13.00	51.26	Horizontal
5	11346.5400	29.01	-37.40	38.73	-64.91	-13.00	51.91	Horizontal
6	13237.6300	26.26	-37.08	39.53	-66.55	-13.00	53.55	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3782.1800	40.94	-45.85	28.88	-71.28	-13.00	58.28	Vertical
2	5673.2700	39.27	-44.91	32.63	-68.26	-13.00	55.26	Vertical
3	7564.3600	37.09	-43.00	36.63	-64.55	-13.00	51.55	Vertical
4	9455.4500	33.42	-40.05	37.17	-64.73	-13.00	51.73	Vertical
5	11346.5400	29.50	-37.40	38.73	-64.42	-13.00	51.42	Vertical
6	13237.6300	26.20	-37.08	39.53	-66.61	-13.00	53.61	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) - Pre-amplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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## Frequency Stability for SA

### Test Result

### Frequency Error VS. Voltage

Voltage										
Band	SCS	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N2	15	20	DFT-PI2BPSK	M	Outer_Full	VH	NT	-2.000000	-0.001064	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	VN	NT	-2.600000	-0.001383	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	VL	NT	-5.100000	-0.002713	PASS
N2	15	20	CP-QPSK	M	Outer_Full	VH	NT	1.000000	0.000532	PASS
N2	15	20	CP-QPSK	M	Outer_Full	VN	NT	-1.200000	-0.000638	PASS
N2	15	20	CP-QPSK	M	Outer_Full	VL	NT	-2.100000	-0.001117	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
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-30	-1.400000	-0.000745	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-20	-4.200000	-0.002234	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-10	-5.600000	-0.002979	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	0	-7.400000	-0.003936	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	10	-4.700000	-0.002500	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	20	-3.300000	-0.001755	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	30	0.100000	0.000053	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	40	0.600000	0.000319	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	50	-0.200000	-0.000106	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	-30	-1.300000	-0.000691	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	-20	-0.100000	-0.000053	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	-10	-0.300000	-0.000160	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	0	-1.300000	-0.000691	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	10	-1.500000	-0.000798	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	20	-0.700000	-0.000372	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	30	-0.200000	-0.000106	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	40	0.800000	0.000426	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	50	-0.400000	-0.000213	PASS

---End of Attachment---



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