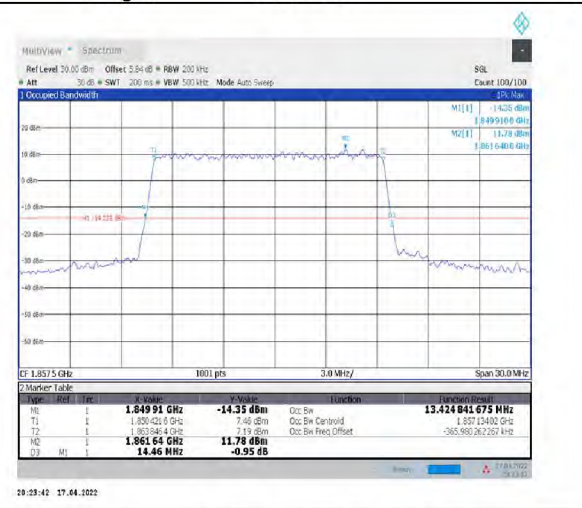


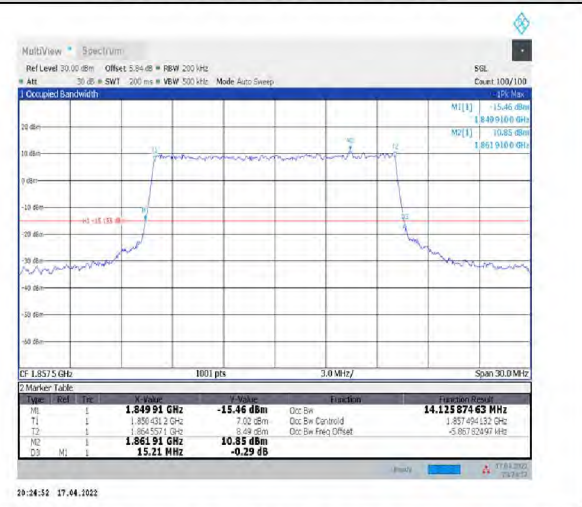
1-N2--15-15-L-3-DFT-16QAM-Outer\_Full-75@0-Ant1-13.458-14.520-<=15-PASS



1-N2--15-15-L-4-DFT-64QAM-Outer\_Full-75@0-Ant1-13.425-14.460-<=15-PASS



1-N2--15-15-L-5-DFT-256QAM-Outer\_Full-75@0-Ant1-13.448-14.580-<=15-PASS



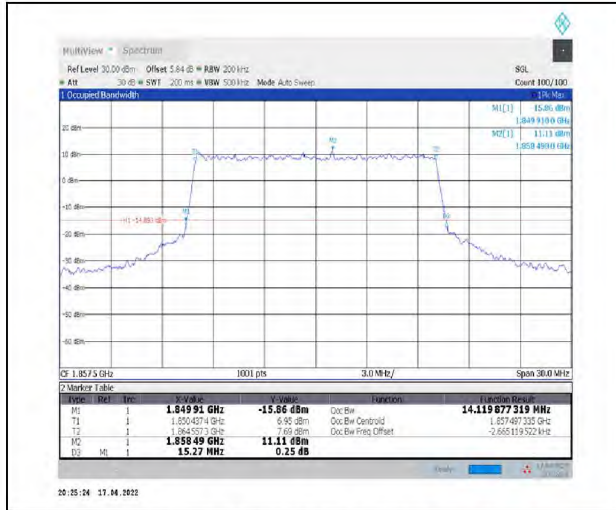
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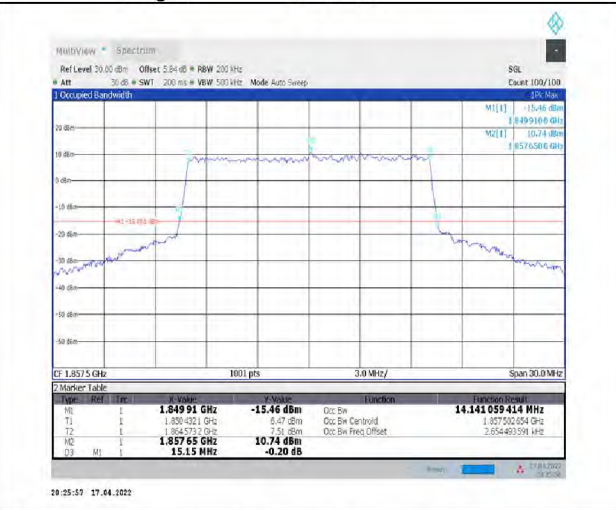
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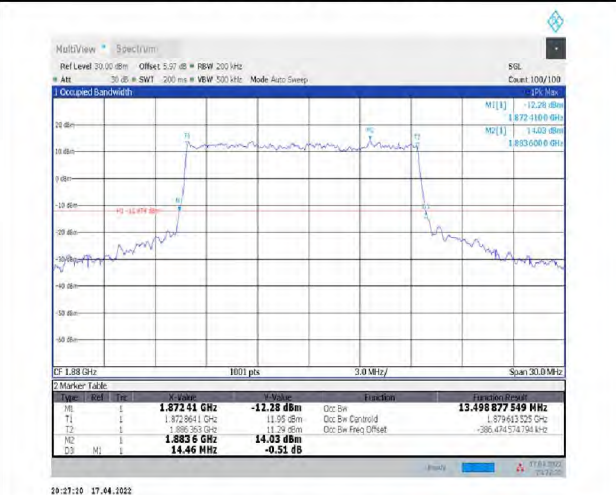
1-N2--15-15-L-7-CP-16QAM-Outer\_Full-79@0-Ant1-14.12-15.270-≤15-PASS



1-N2--15-15-L-8-CP-64QAM-Outer\_Full-79@0-Ant1-14.141-15.150-≤15-PASS



1-N2--15-15-L-9-CP-256QAM-Outer\_Full-79@0-Ant1-14.146-15.240-≤15-PASS



1-N2--15-15-M-1-DFT-QPSK-Outer\_Full-75@0-Ant1-13.499-14.460-≤15-PASS



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1-N2--15-15-M-2-DFT-PI2BPSK-Outer\_Full-75@0-Ant1-13.419-14.490-≤15-PASS



1-N2--15-15-M-3-DFT-16QAM-Outer\_Full-75@0-Ant1-13.45-14.490-≤15-PASS



1-N2--15-15-M-4-DFT-64QAM-Outer\_Full-75@0-Ant1-13.433-14.550-≤15-PASS



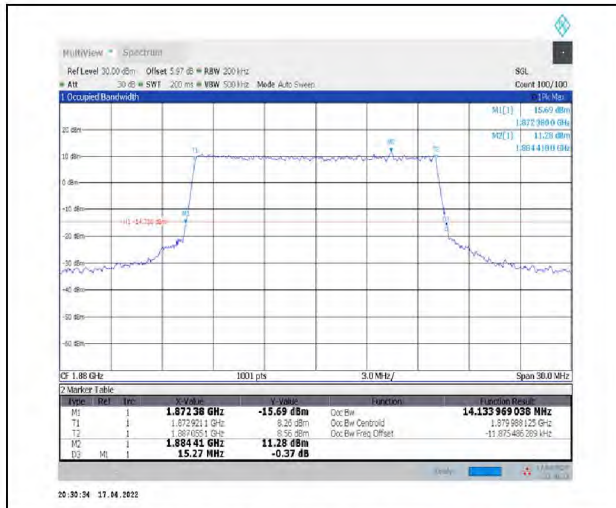
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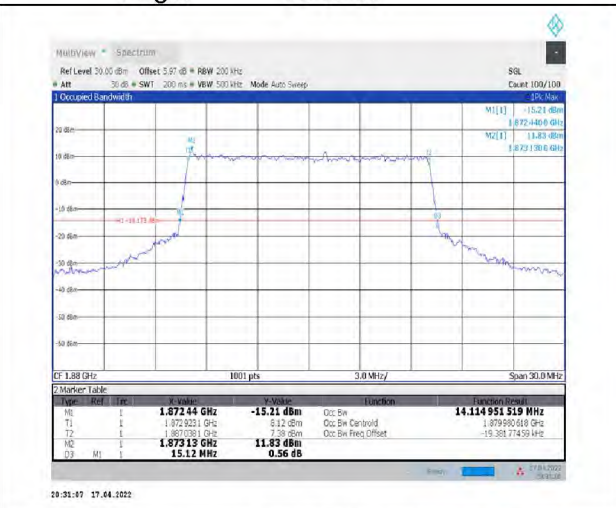
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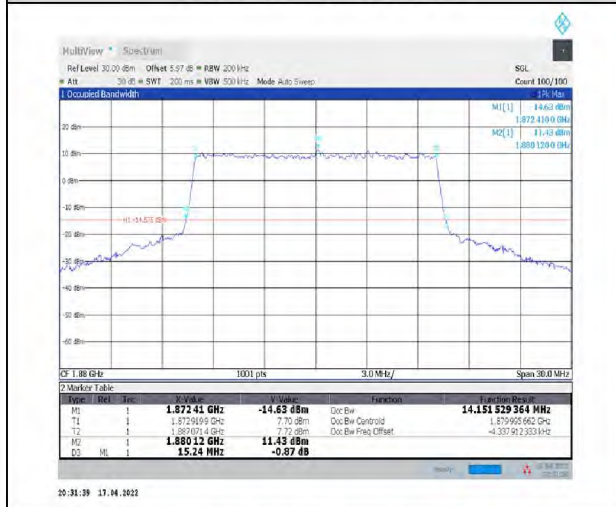
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1-N2--15-15-M-6-CP-QPSK-Outer\_Full-79@0-Ant1-14.134-15.270-≤15-PASS



1-N2--15-15-M-7-CP-16QAM-Outer\_Full-79@0-Ant1-14.115-15.120-≤15-PASS



1-N2--15-15-M-8-CP-64QAM-Outer\_Full-79@0-Ant1-14.152-15.240-≤15-PASS



1-N2--15-15-M-9-CP-256QAM-Outer\_Full-79@0-Ant1-14.153-15.300-≤15-PASS



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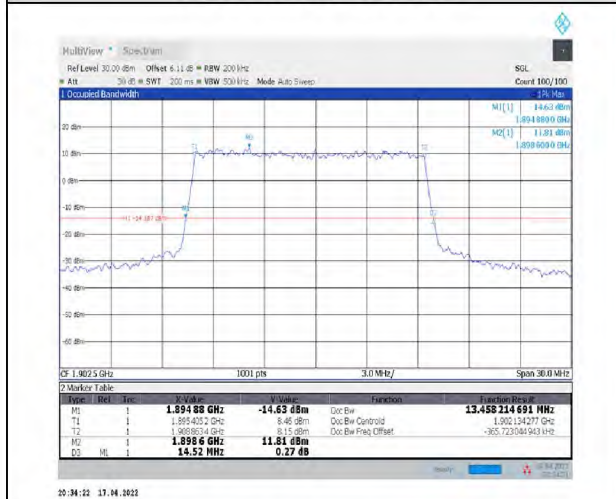




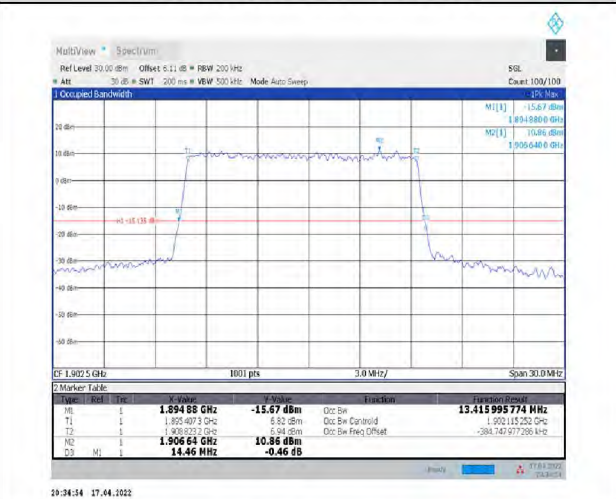
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1-N2--15-15-H-2-DFT-PI2BPSK-Outer\_Full-75@0-Ant1-13.443-14.310-≤15-PASS



1-N2--15-15-H-3-DFT-16QAM-Outer\_Full-75@0-Ant1-13.458-14.520-≤15-PASS



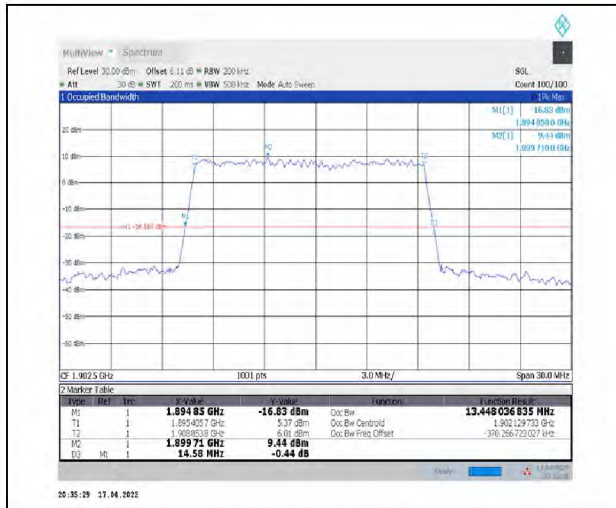
1-N2--15-15-H-4-DFT-64QAM-Outer\_Full-75@0-Ant1-13.416-14.460-≤15-PASS



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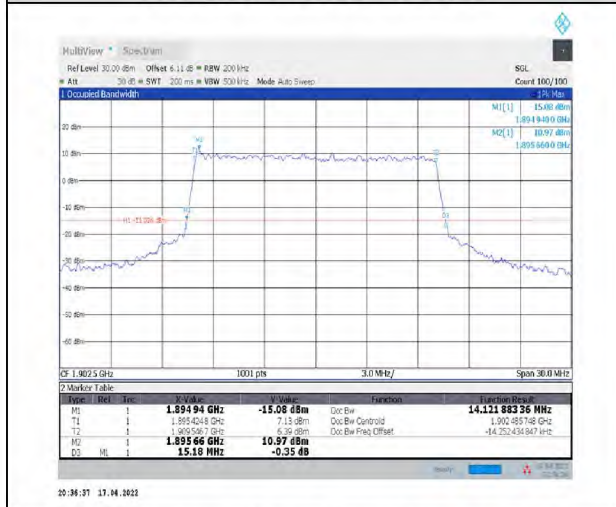
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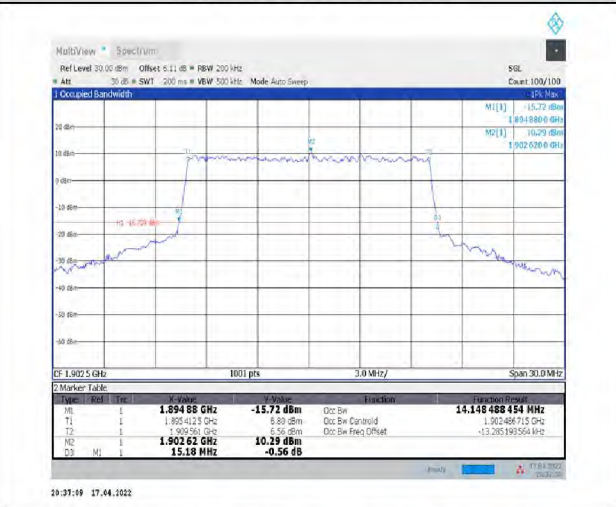
1-N2--15-15-H-5-DFT-256QAM-Outer\_Full-75@0-Ant1-13.448-14.580≤15-PASS



1-N2--15-15-H-6-CP-QPSK-Outer\_Full-79@0-Ant1-14.129-15.240≤15-PASS



1-N2--15-15-H-7-CP-16QAM-Outer\_Full-79@0-Ant1-14.122-15.180≤15-PASS



1-N2--15-15-H-8-CP-64QAM-Outer\_Full-79@0-Ant1-14.148-15.180≤15-PASS



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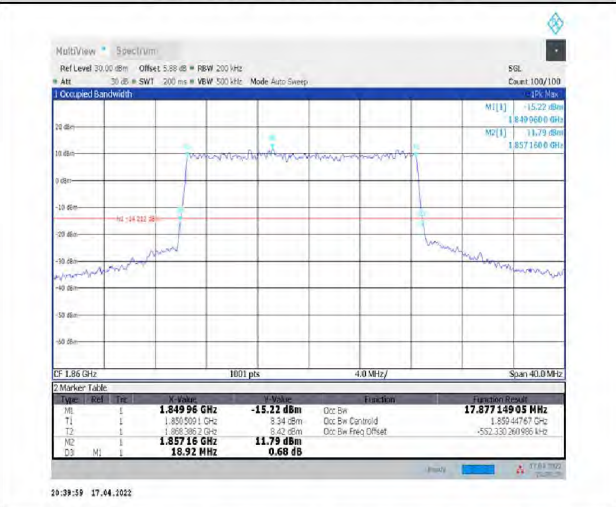
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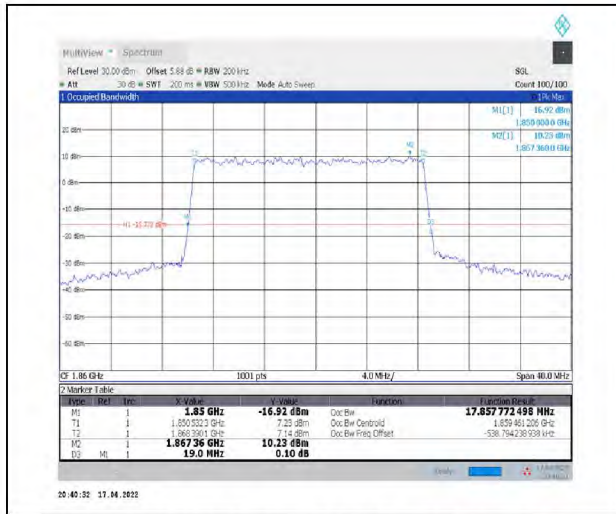
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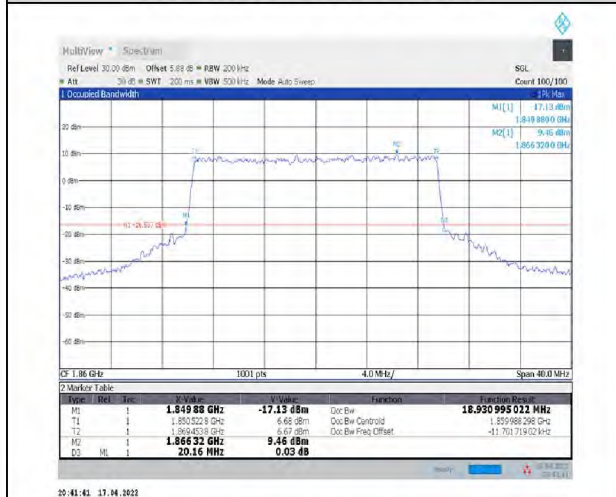
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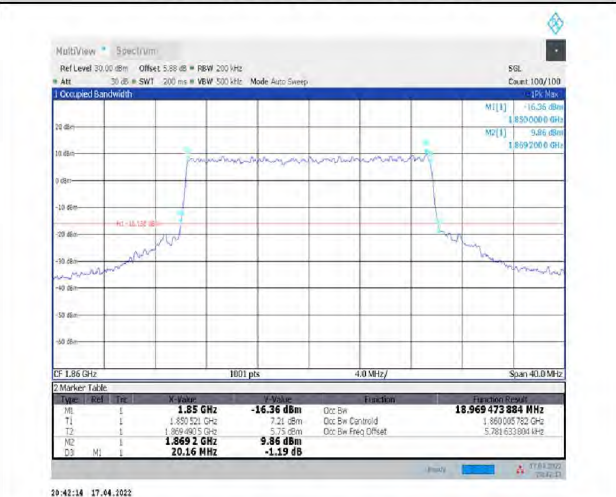
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1-N2--15-20-L-5-DFT-256QAM-Outer\_Full-100@0-Ant1-17.889-18.960-<20-PASS



1-N2--15-20-L-6-CP-QPSK-Outer\_Full-106@0-Ant1-18.931-20.160-<20-PASS



1-N2--15-20-L-7-CP-16QAM-Outer\_Full-106@0-Ant1-18.969-20.160-<20-PASS

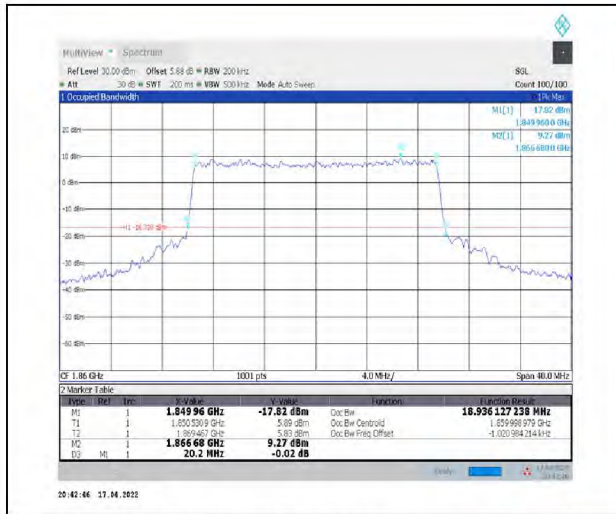


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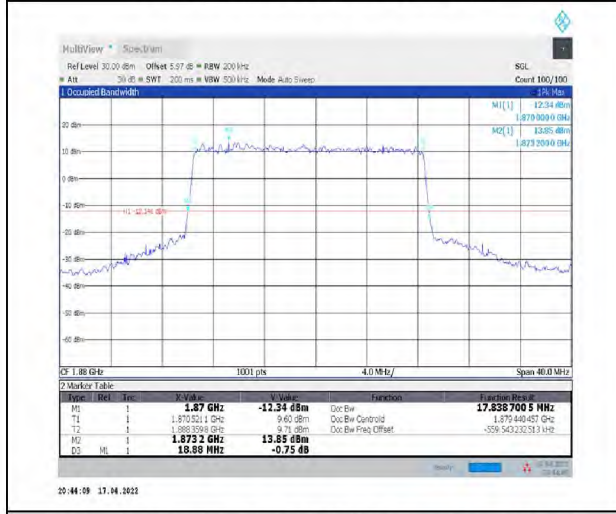




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1-N2--15-20-L-9-CP-256QAM-Outer\_Full-106@0-Ant1-18.922-20.080-<20-PASS



1-N2--15-20-M-1-DFT-QPSK-Outer\_Full-100@0-Ant1-17.839-18.880-<20-PASS



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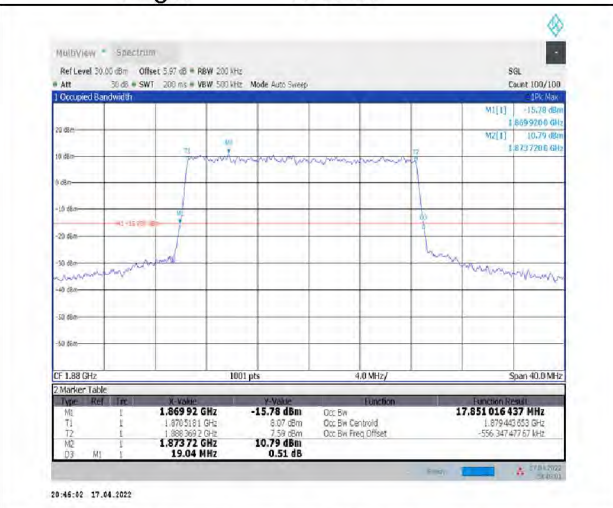
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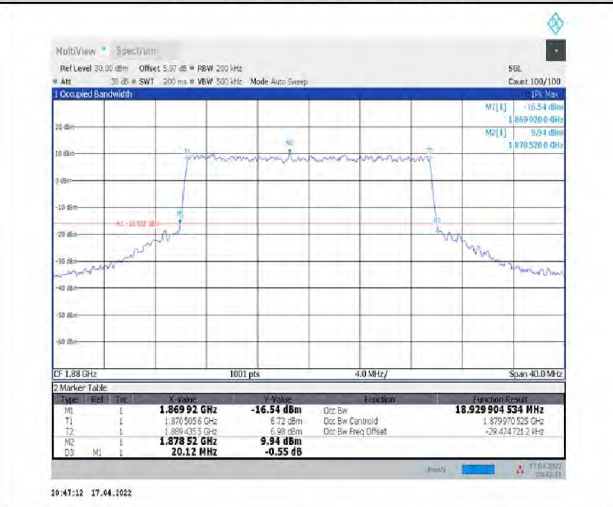
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1-N2--15-20-M-5-DFT-256QAM-Outer\_Full-100@0-Ant1-17.886-18.960-<20-PASS



1-N2--15-20-M-6-CP-QPSK-Outer\_Full-106@0-Ant1-18.93-20.120-<20-PASS



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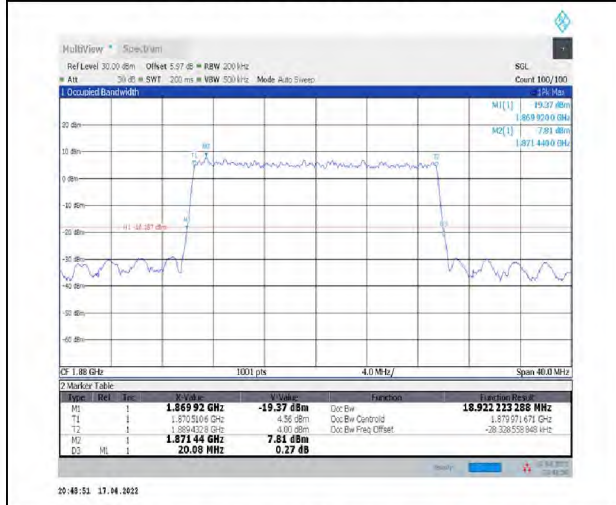




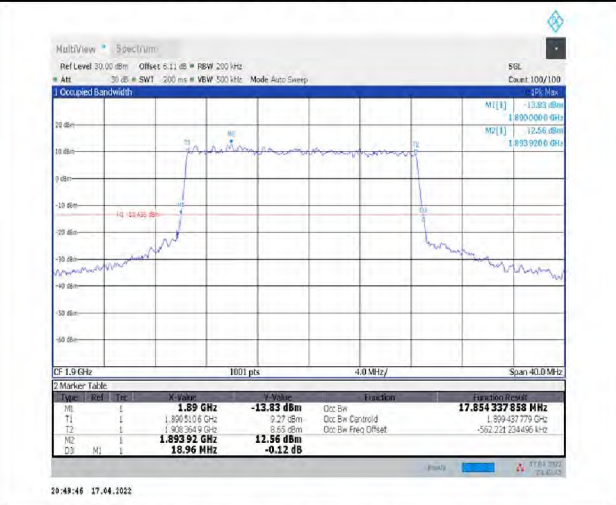
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1-N2--15-20-M-8-CP-64QAM-Outer\_Full-106@0-Ant1-18.926-20.040-<=20-PASS



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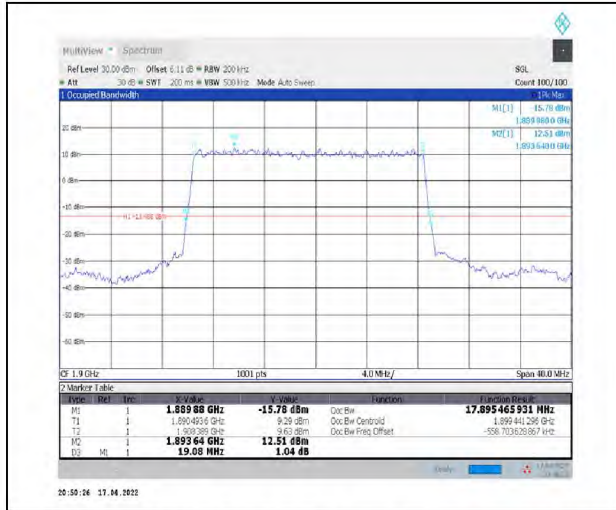
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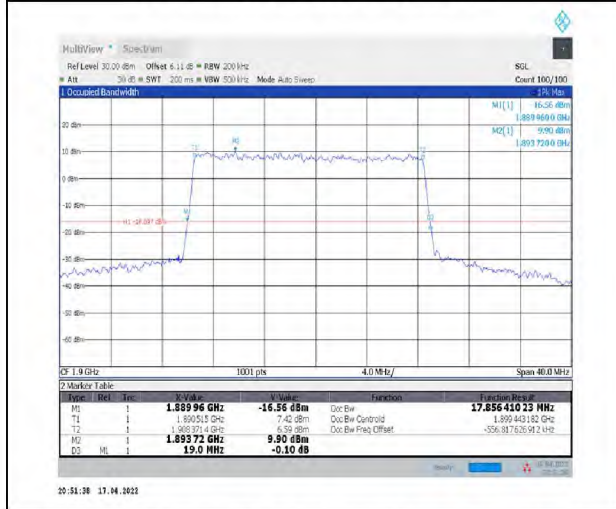
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1-N2--15-20-H-2-DFT-PI2BPSK-Outer\_Full-100@0-Ant1-17.895-19.080-<20-PASS



1-N2--15-20-H-3-DFT-16QAM-Outer\_Full-100@0-Ant1-17.874-18.960-<20-PASS



1-N2--15-20-H-4-DFT-64QAM-Outer\_Full-100@0-Ant1-17.856-19.000-<20-PASS



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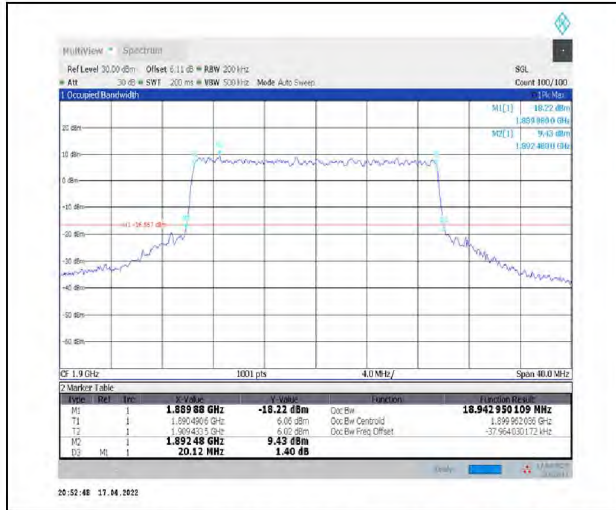


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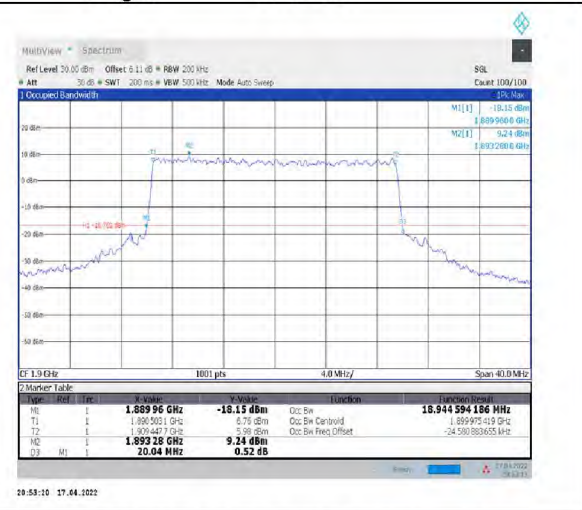
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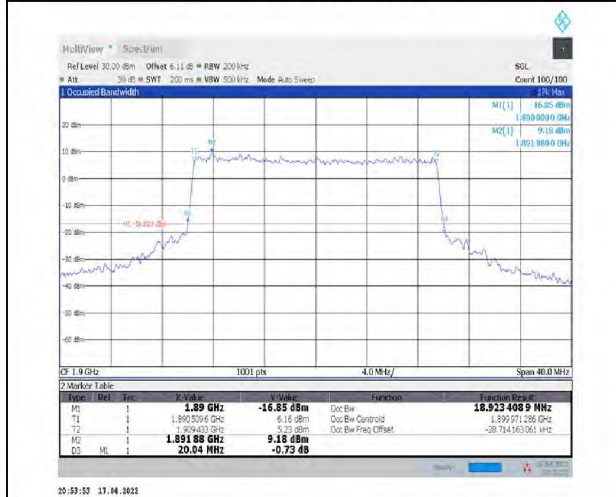




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1-N2--15-20-H-7-CP-16QAM-Outer\_Full-106@0-Ant1-18.945-20.040-<=20-PASS



1-N2--15-20-H-8-CP-64QAM-Outer\_Full-106@0-Ant1-18.923-20.040-<=20-PASS



1-N2--15-20-H-9-CP-256QAM-Outer\_Full-106@0-Ant1-18.926-20.040-<=20-PASS



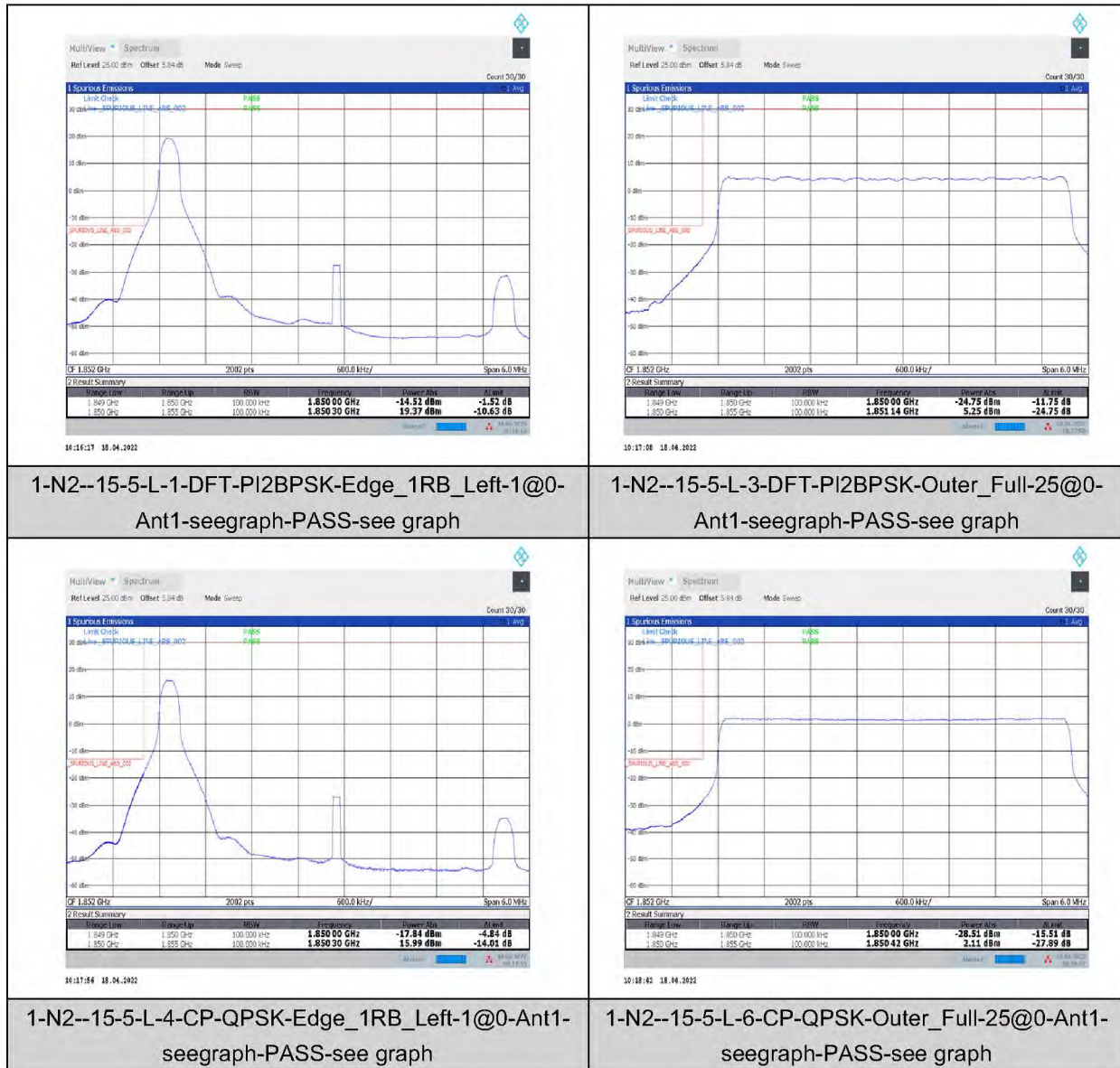
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## Band Edge for SA

### Test Graphs



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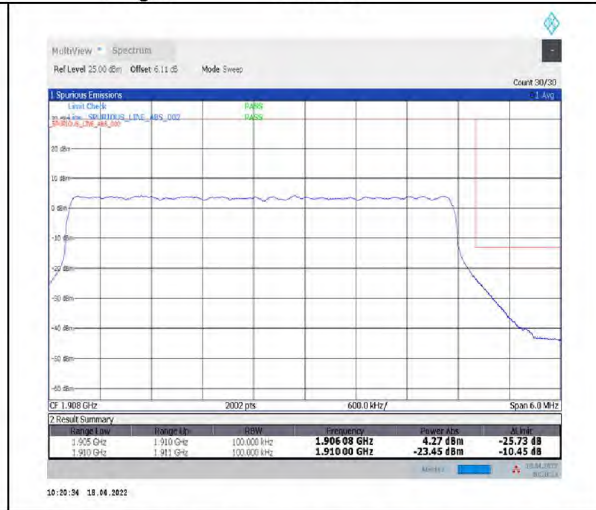
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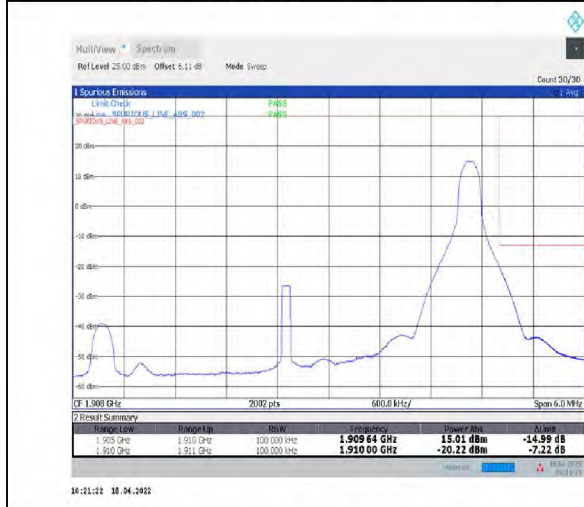




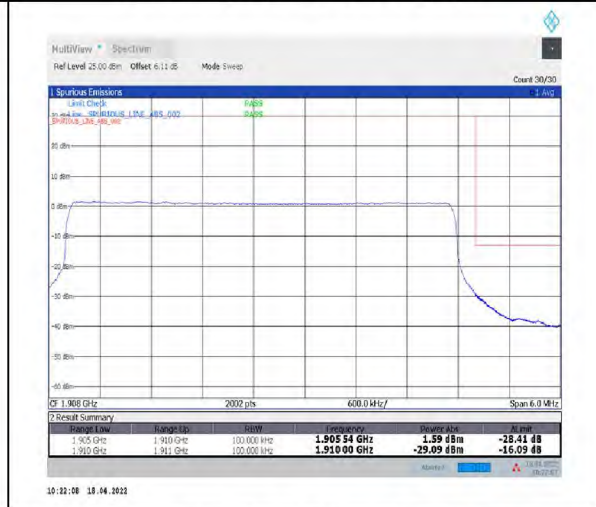
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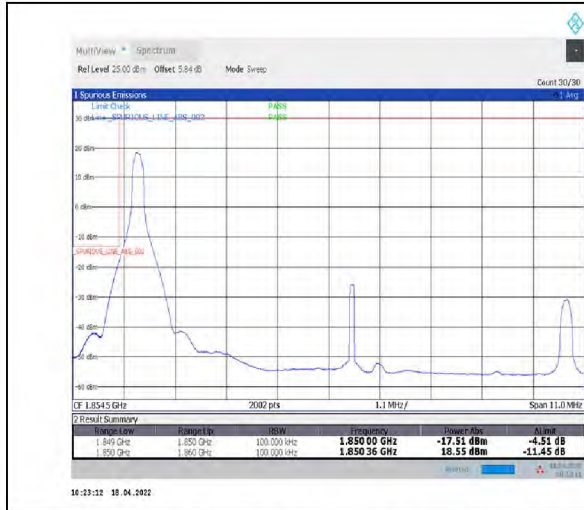
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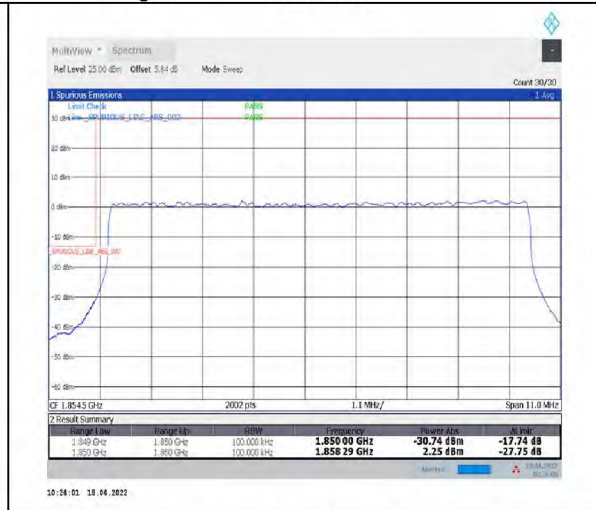
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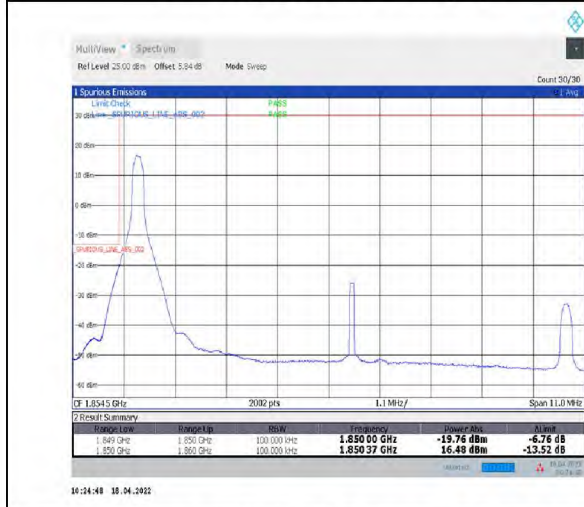
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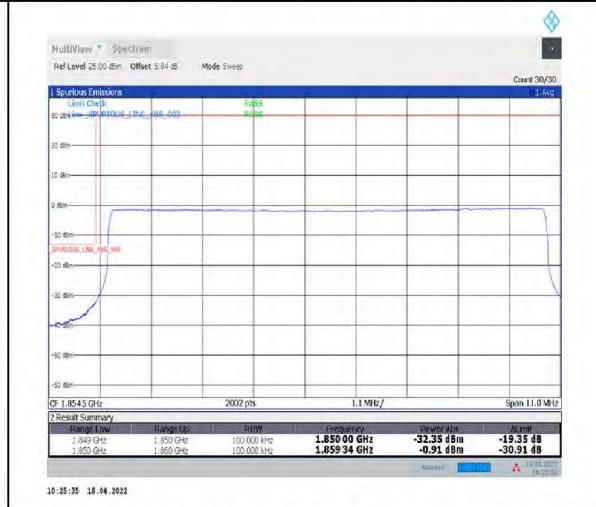
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1-N2--15-10-L-3-DFT-PI2BPSK-Outer\_Full-50@0-Ant1-seegraph-PASS-see graph



1-N2--15-10-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-seegraph-PASS-see graph



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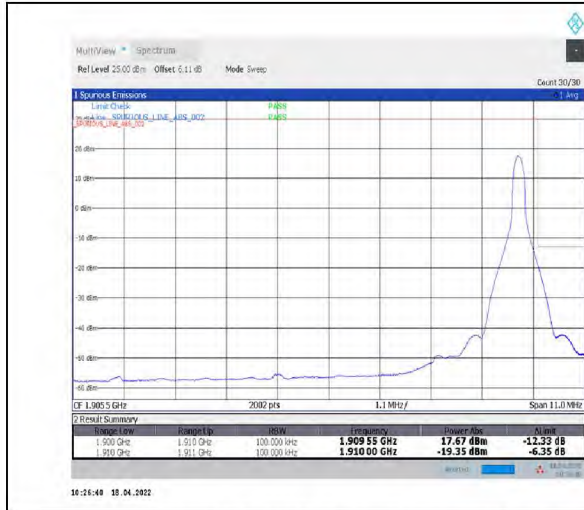


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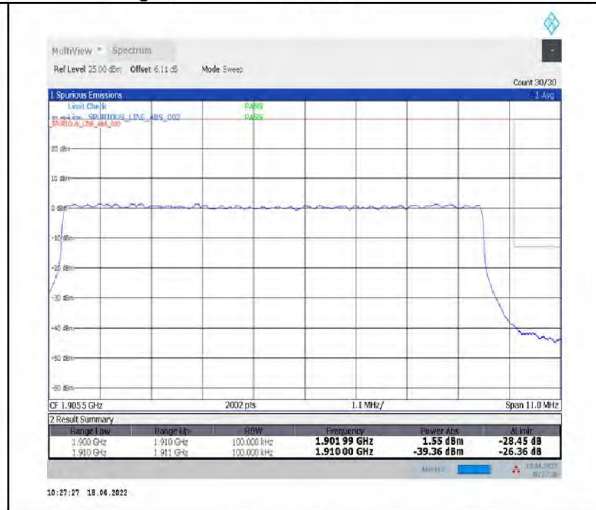
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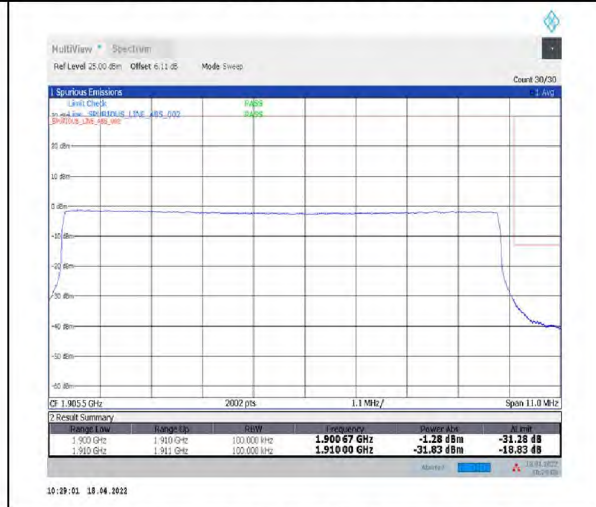
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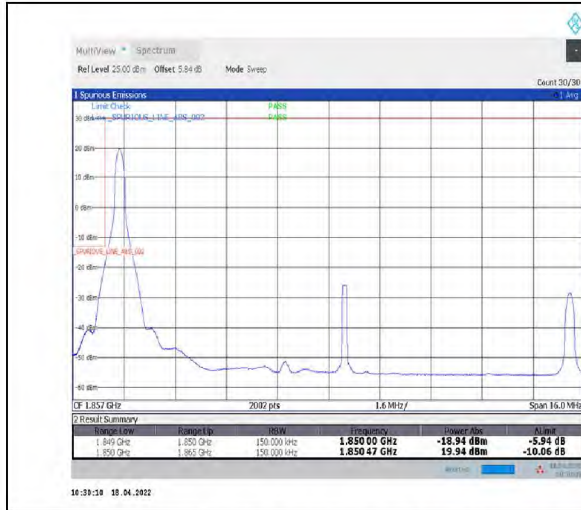
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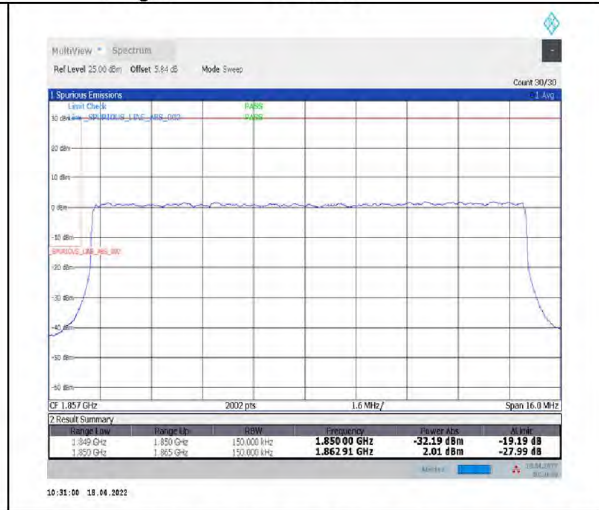
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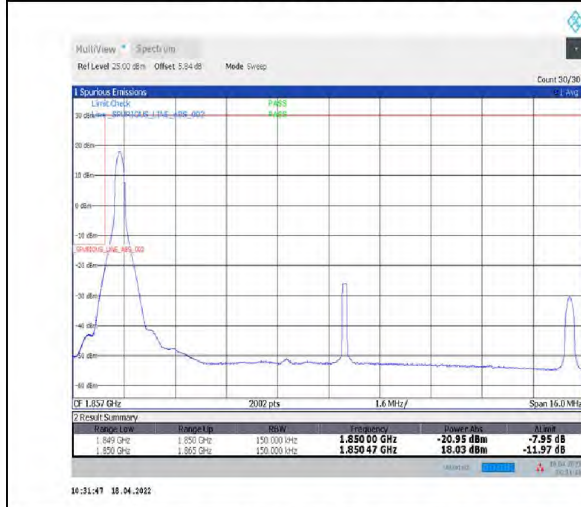
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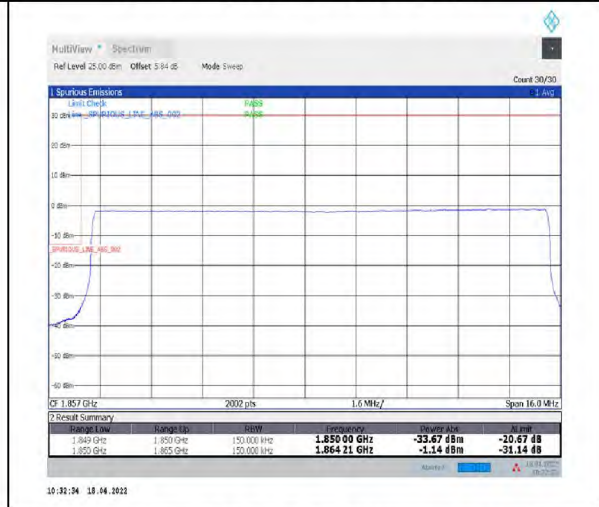
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1-N2--15-15-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-seegraph-PASS-see graph



1-N2--15-15-L-6-CP-QPSK-Outer\_Full-79@0-Ant1-seegraph-PASS-see graph



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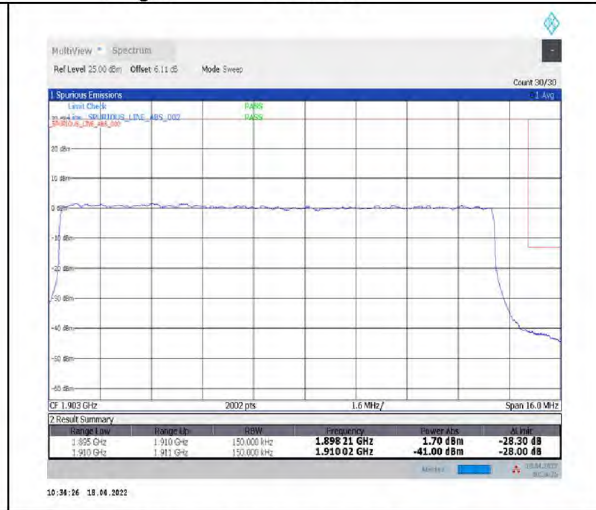
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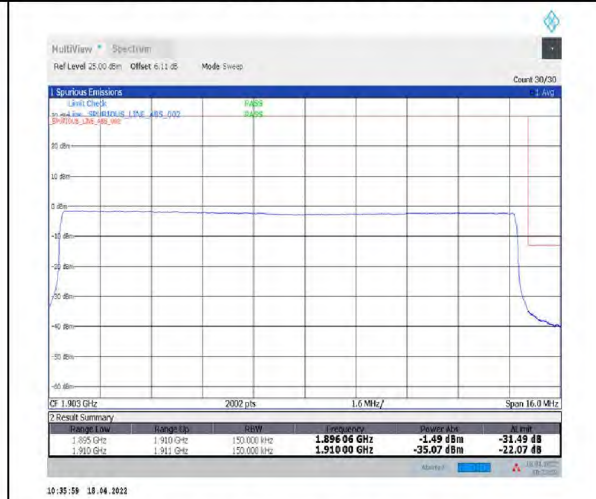
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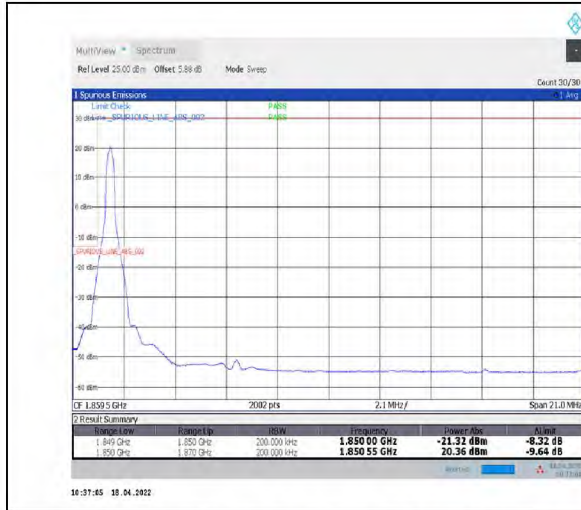
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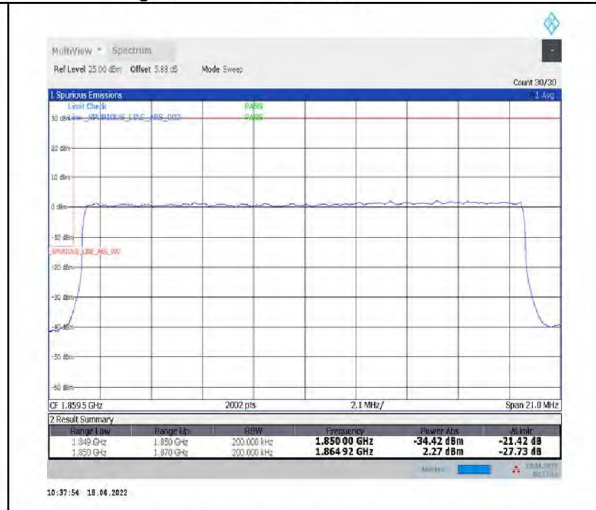
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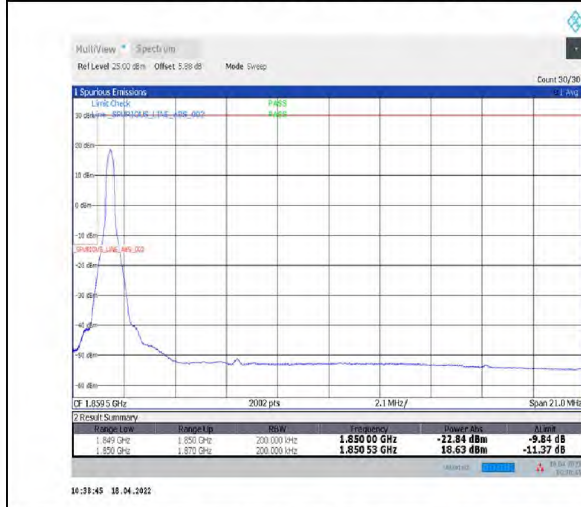
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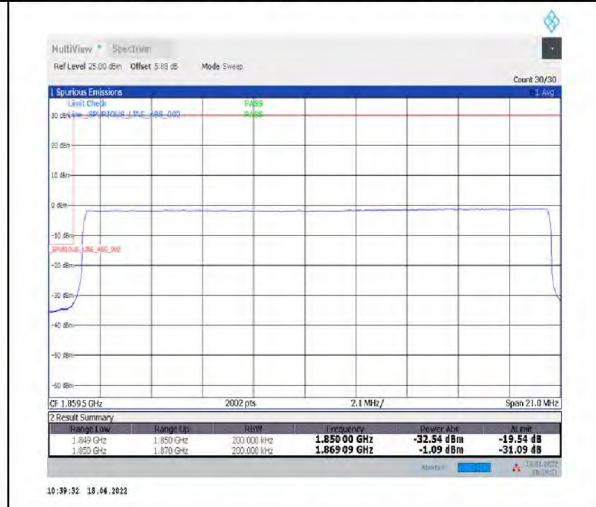
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1-N2--15-20-L-3-DFT-PI2BPSK-Outer\_Full-100@0-Ant1-seegraph-PASS-see graph



1-N2--15-20-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-seegraph-PASS-see graph



1-N2--15-20-L-6-CP-QPSK-Outer\_Full-106@0-Ant1-seegraph-PASS-see graph



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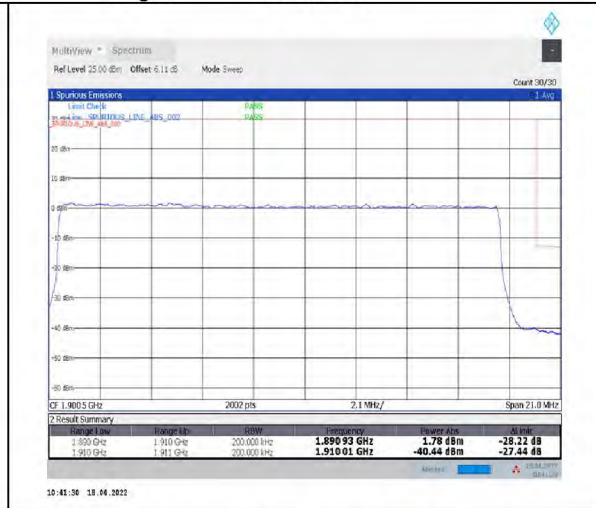
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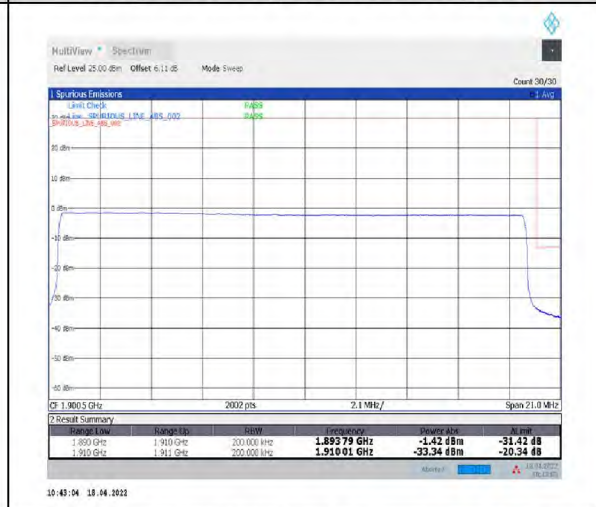
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1-N2--15-20-H-3-DFT-PI2BPSK-Outer\_Full-100@0-Ant1-seegraph-PASS-see graph



1-N2--15-20-H-5-CP-QPSK-Edge\_1RB\_Right-1@105-Ant1-seegraph-PASS-see graph



1-N2--15-20-H-6-CP-QPSK-Outer\_Full-106@0-Ant1-seegraph-PASS-see graph



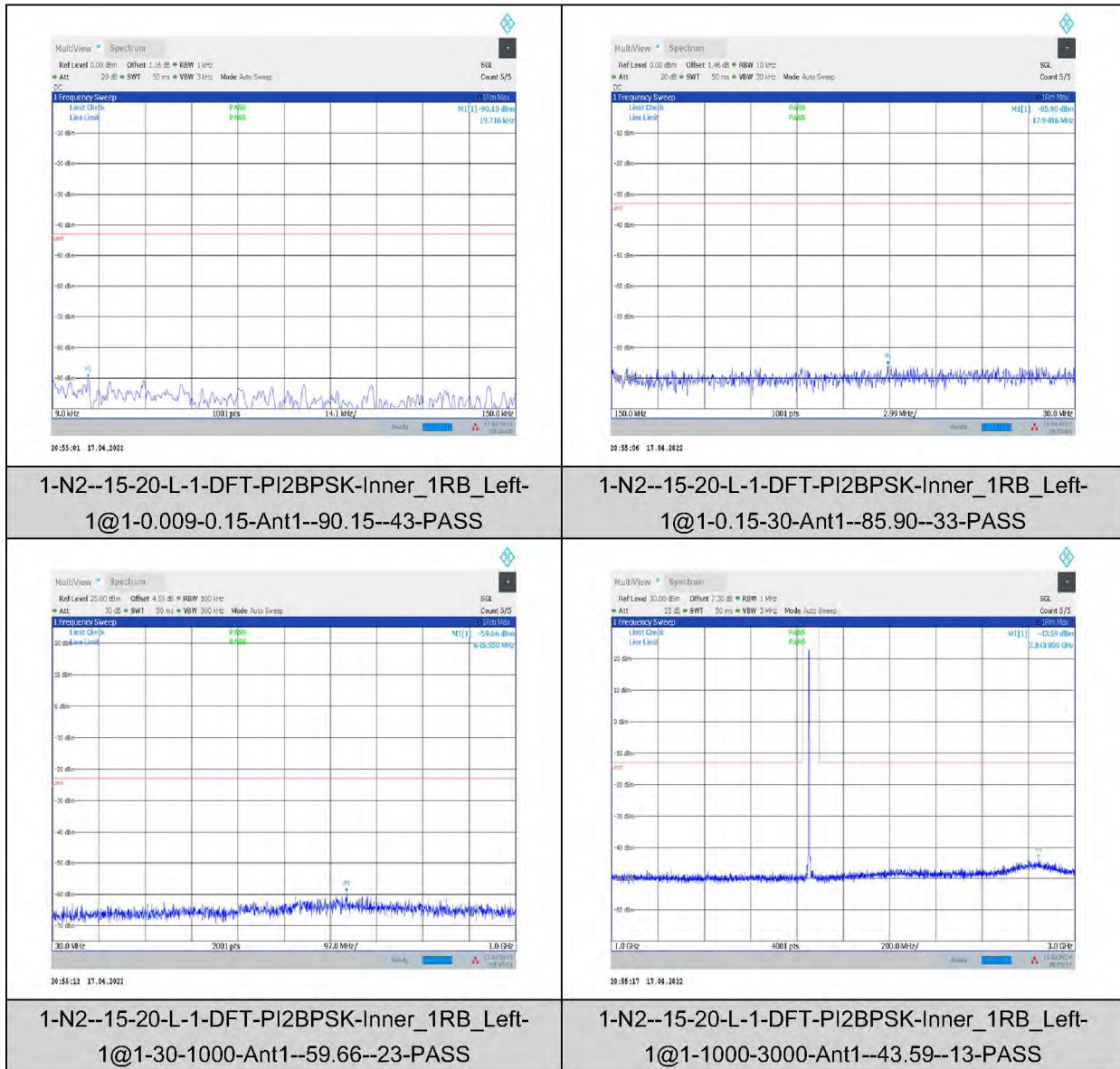
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## Conducted Spurious Emission for SA

### Test Graphs



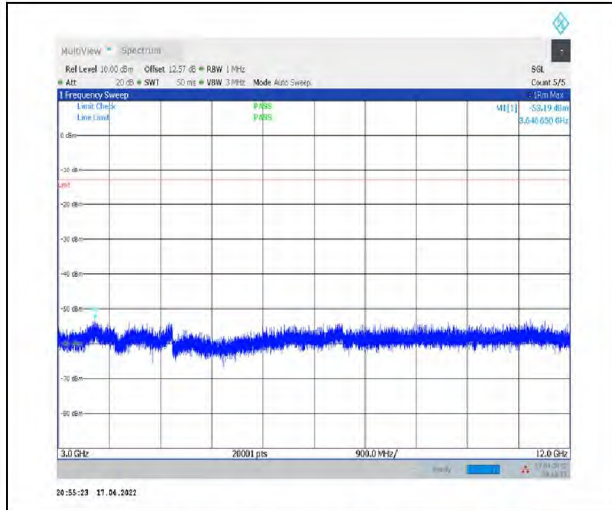
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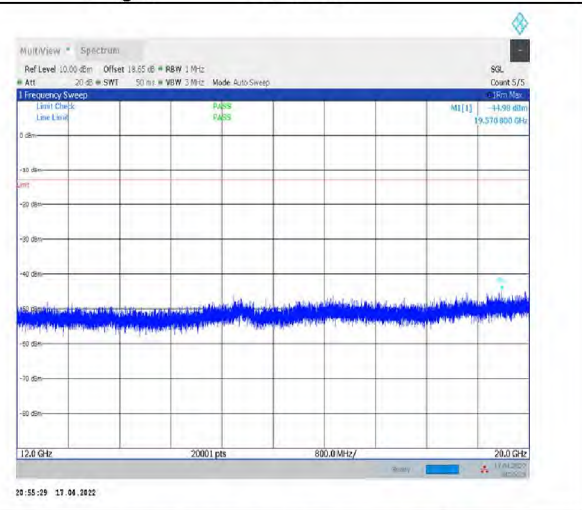
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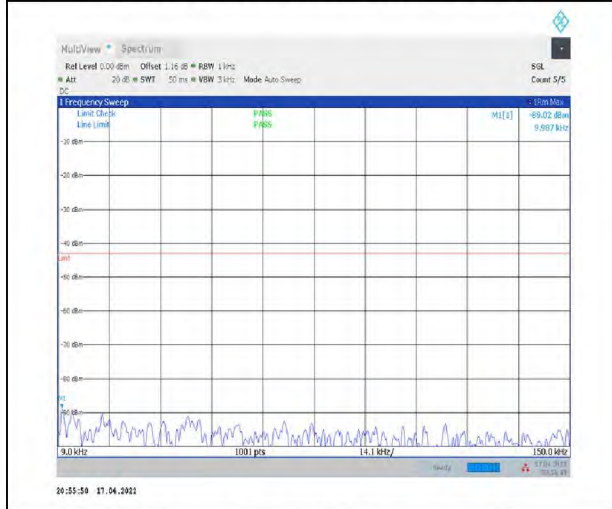




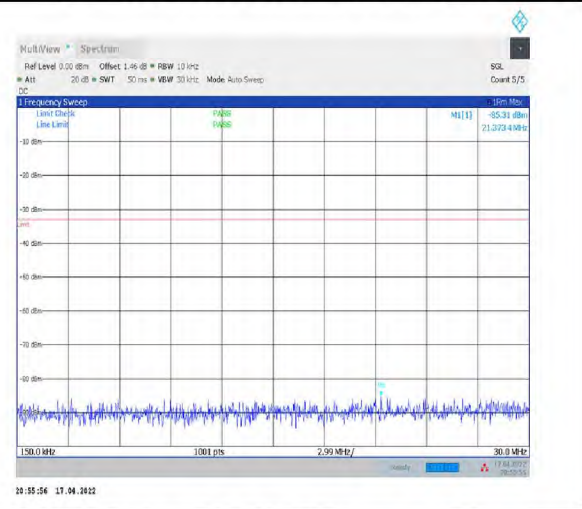
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1-N2--15-20-L-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-12000-20000-Ant1--44.98--13-PASS



1-N2--15-20-M-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-0.009-0.15-Ant1--89.02--43-PASS



1-N2--15-20-M-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-0.15-30-Ant1--85.31--33-PASS

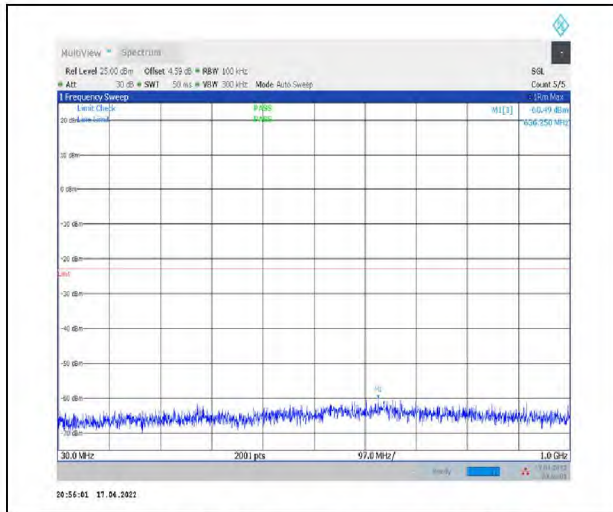


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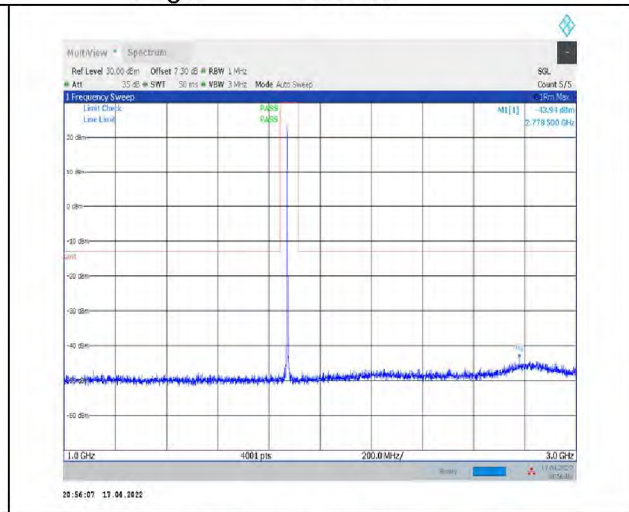
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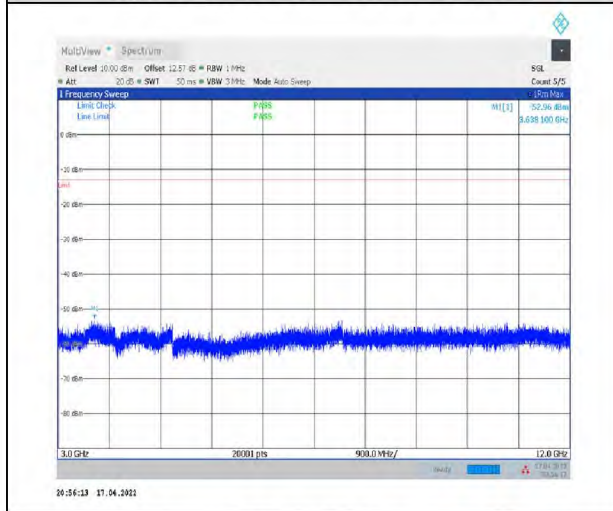
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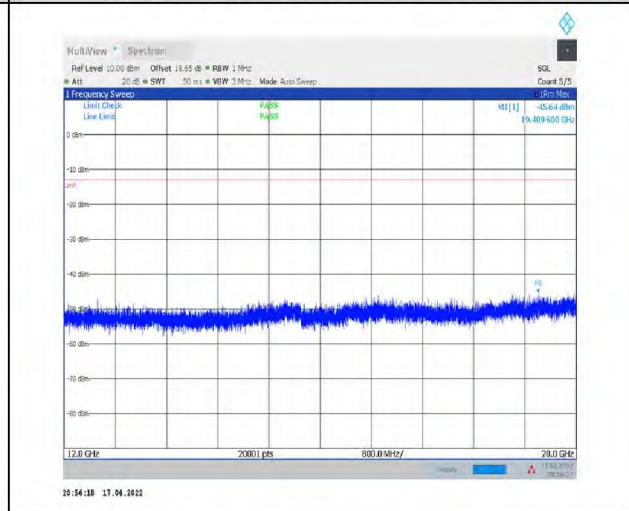
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1-N2--15-20-M-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-1000-3000-Ant1--43.94--13-PASS



1-N2--15-20-M-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-3000-12000-Ant1--52.96--13-PASS



1-N2--15-20-M-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-12000-20000-Ant1--45.64--13-PASS



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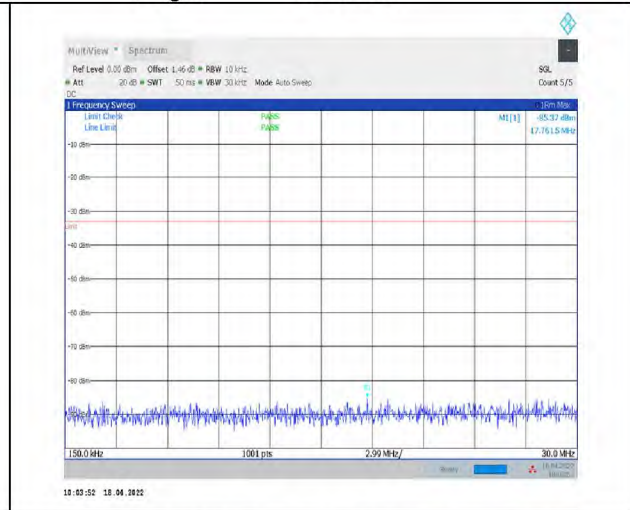
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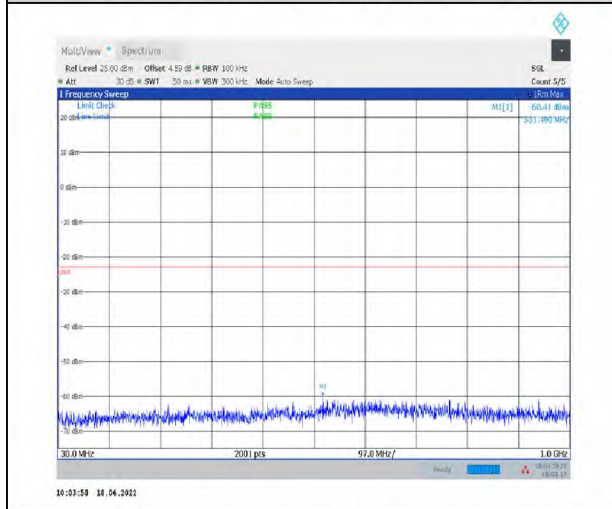




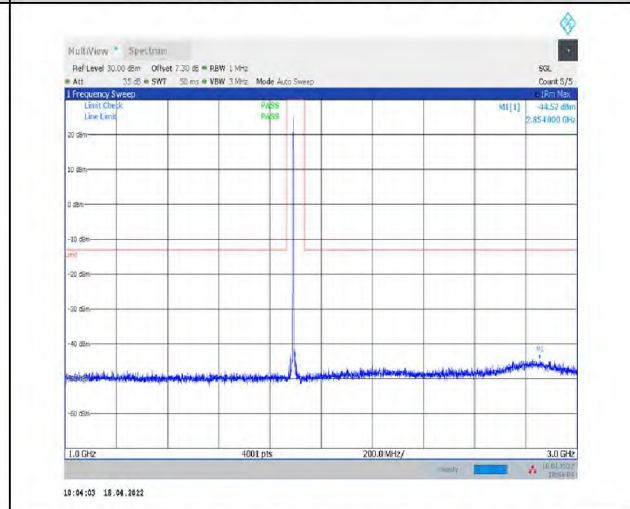
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1-N2--15-20-H-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-0.15-30-Ant1--85.37--33-PASS



1-N2--15-20-H-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-30-1000-Ant1--60.41--23-PASS



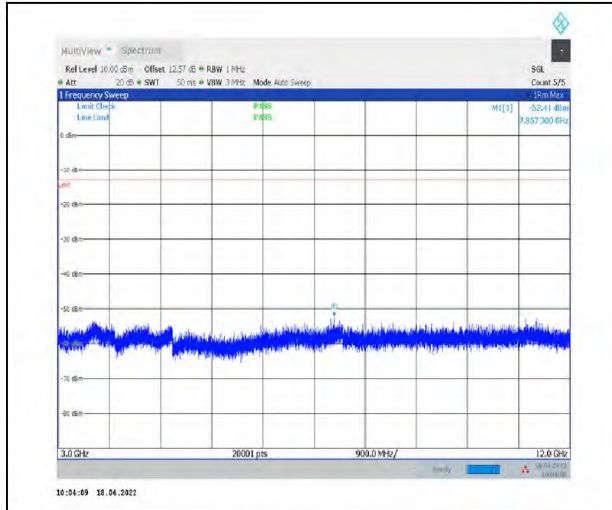
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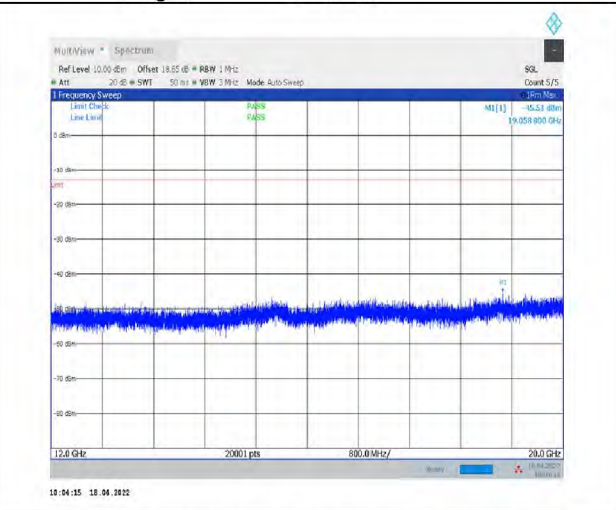
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1-N2--15-20-H-1-DFT-PI2BPSK-Inner\_1RB\_Left-  
1@1-3000-12000-Ant1--52.41--13-PASS



1-N2--15-20-H-1-DFT-PI2BPSK-Inner\_1RB\_Left-  
1@1-12000-20000-Ant1--45.51--13-PASS



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### Field Strength of Spurious Radiation

Test Band = SA Band 2\_ TM1

Test Channel = Low Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702.18	48.46	-111.07	-62.61	-13.00	49.61	263	296	Horizontal
2	5553.27	48.80	-106.36	-57.56	-13.00	44.56	251	148	Horizontal
3	7404.36	47.09	-100.78	-53.69	-13.00	40.69	174	343	Horizontal
4	9255.45	47.05	-95.08	-48.03	-13.00	35.03	186	3	Horizontal
5	11106.54	42.25	-91.12	-48.87	-13.00	35.87	264	360	Horizontal
6	12957.63	43.43	-90.60	-47.17	-13.00	34.17	147	360	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702.18	48.03	-111.07	-63.04	-13.00	50.04	263	344	Vertical
2	5553.27	50.44	-106.36	-55.92	-13.00	42.92	251	147	Vertical
3	7404.36	48.04	-100.78	-52.74	-13.00	39.74	174	163	Vertical
4	9255.45	46.90	-95.08	-48.18	-13.00	35.18	186	96	Vertical
5	11106.54	41.71	-91.12	-49.41	-13.00	36.41	264	32	Vertical
6	12957.63	43.76	-90.60	-46.84	-13.00	33.84	244	263	Vertical



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**Test Band = SA Band 2\_ TM1**
**Test Channel = Mid Channel**

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3742.18	47.66	-110.86	-63.20	-13.00	50.20	263	15	Horizontal
2	5613.27	48.54	-106.14	-57.60	-13.00	44.60	251	113	Horizontal
3	7484.36	47.52	-100.43	-52.91	-13.00	39.91	174	3	Horizontal
4	9355.45	47.52	-94.96	-47.44	-13.00	34.44	186	261	Horizontal
5	11226.54	43.27	-90.95	-47.68	-13.00	34.68	264	352	Horizontal
6	13097.63	42.74	-90.07	-47.33	-13.00	34.33	244	64	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3741	54.53	-110.87	-56.34	-13.00	43.34	263	198	Vertical
2	5613.27	50.34	-106.14	-55.80	-13.00	42.80	251	334	Vertical
3	7482	54.07	-100.44	-46.37	-13.00	33.37	214	184	Vertical
4	9355.45	46.13	-94.96	-48.83	-13.00	35.83	186	360	Vertical
5	11226.54	43.47	-90.95	-47.48	-13.00	34.48	264	51	Vertical
6	13097.63	43.65	-90.07	-46.42	-13.00	33.42	244	198	Vertical



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**Test Band = SA Band 2\_TM1**  
**Test Channel = High Channel**

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3782.18	49.85	-110.66	-60.81	-13.00	47.81	263	346	Horizontal
2	5673.27	50.23	-105.88	-55.65	-13.00	42.65	254	215	Horizontal
3	7564.36	49.32	-100.01	-50.69	-13.00	37.69	175	148	Horizontal
4	9455.45	45.04	-94.86	-49.82	-13.00	36.82	263	16	Horizontal
5	11346.54	43.01	-91.44	-48.43	-13.00	35.43	254	360	Horizontal
6	13237.63	43.12	-90.49	-47.37	-13.00	34.37	177	148	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3782.18	47.60	-110.66	-63.06	-13.00	50.06	251	99	Vertical
2	5673.27	49.00	-105.88	-56.88	-13.00	43.88	174	262	Vertical
3	7564.36	48.17	-100.01	-51.84	-13.00	38.84	254	116	Vertical
4	9455.45	44.18	-94.86	-50.68	-13.00	37.68	177	166	Vertical
5	11346.54	42.89	-91.44	-48.55	-13.00	35.55	198	181	Vertical
6	13237.63	44.26	-90.49	-46.23	-13.00	33.23	162	262	Vertical



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South of No. 5 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000  
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的5号厂房南楼 邮编: 215000

t (86-512) 62982980 www.sgs.com.cn  
 t (86-512) 62982980 sgs.china@sgs.com



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SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.  
Wireless Laboratory

South of No. 5 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000  
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的5号厂房南楼 邮编: 215000

t (86-512) 62982980 www.sgs.com  
t (86-512) 62982980 sgs.china@sgs.com



## 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
N2	15	20	DFT-PI2BPSK	M	Outer_Full	VH	NT	3.100000	0.001649	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	VN	NT	5.300000	0.002819	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	VL	NT	-0.600000	-0.000319	PASS
N2	15	20	CP-QPSK	M	Outer_Full	VH	NT	5.100000	0.002713	PASS
N2	15	20	CP-QPSK	M	Outer_Full	VN	NT	4.100000	0.002181	PASS
N2	15	20	CP-QPSK	M	Outer_Full	VL	NT	2.600000	0.001383	PASS



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 中国·苏州·中国（江苏）自由贸易试验区苏州片区苏州工业园区润胜路1号的5号厂房南楼 邮编：215000

t (86-512) 62982980 www.sgs.com.cn  
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Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-30	3.300000	0.001755	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-20	0.700000	0.000372	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-10	5.500000	0.002926	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	0	4.900000	0.002606	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	10	3.900000	0.002074	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	20	0.000000	0.000000	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	30	3.400000	0.001809	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	40	3.400000	0.001809	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	50	1.700000	0.000904	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	-30	9.000000	0.004787	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	-20	4.900000	0.002606	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	-10	3.200000	0.001702	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	0	10.600000	0.005638	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	10	2.600000	0.001383	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	20	4.700000	0.002500	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	30	3.300000	0.001755	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	40	2.400000	0.001277	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	50	4.700000	0.002500	PASS

The End



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