

Report No.: SEWM2304000122RG02

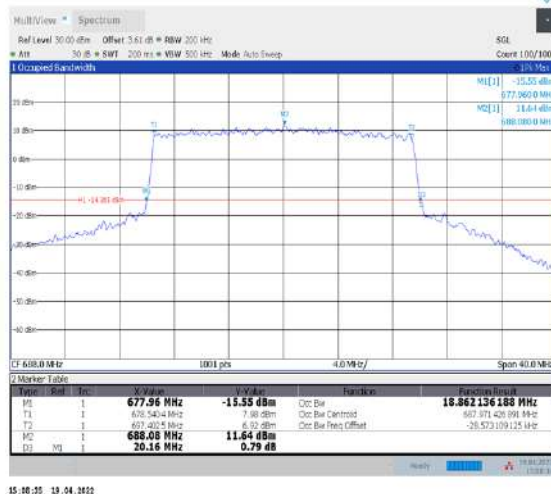
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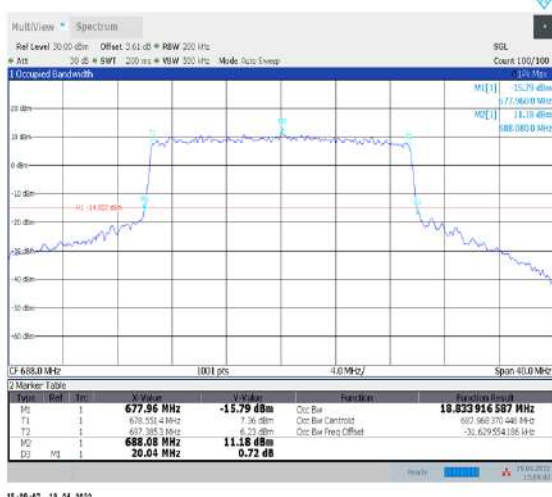
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1-N71--15-20-H-6-CP-QPSK-Outer_Full-106@0-
Ant1-18.83-20.000-≤20-PASS



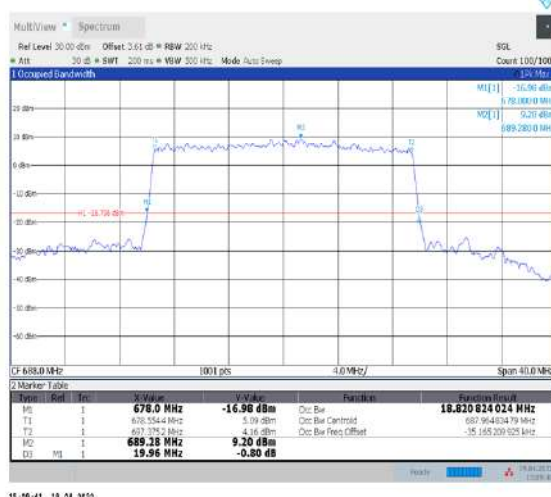
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1-N71--15-20-H-7-CP-16QAM-Outer_Full-106@0-
Ant1-18.862-20.160-≤20-PASS



15-10-12 13:04:20

1-N71--15-20-H-8-CP-64QAM-Outer_Full-106@0-
Ant1-18.834-20.040-≤20-PASS



15-10-12 13:04:20

1-N71--15-20-H-9-CP-256QAM-Outer_Full-106@0-
Ant1-18.821-19.960-≤20-PASS



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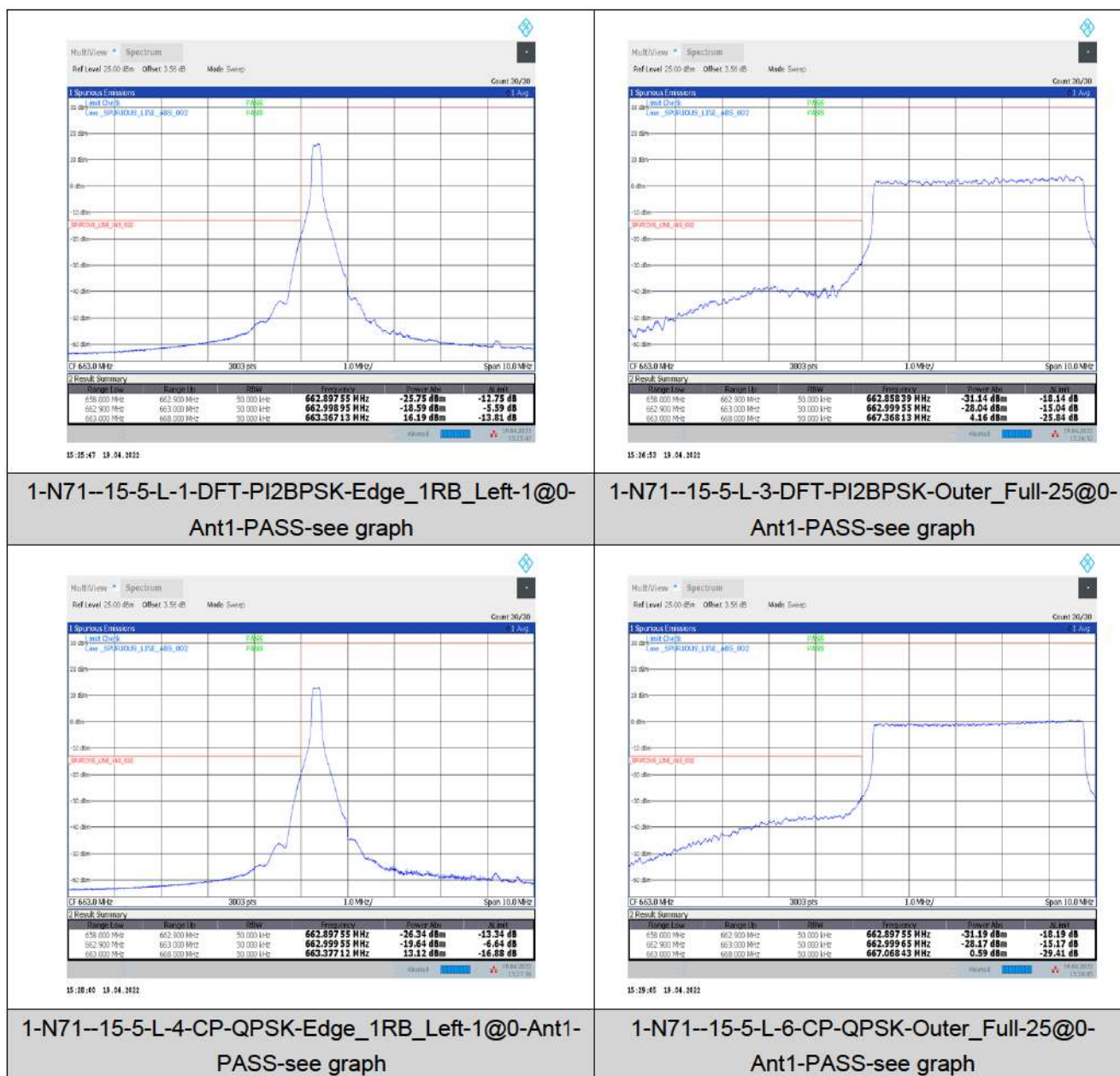
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Band Edge for SA

Test Graphs



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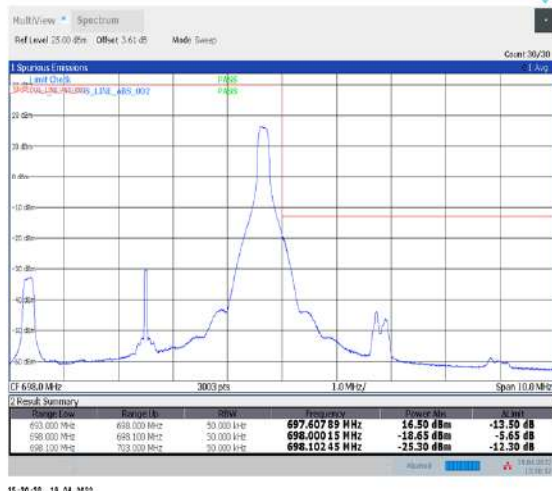
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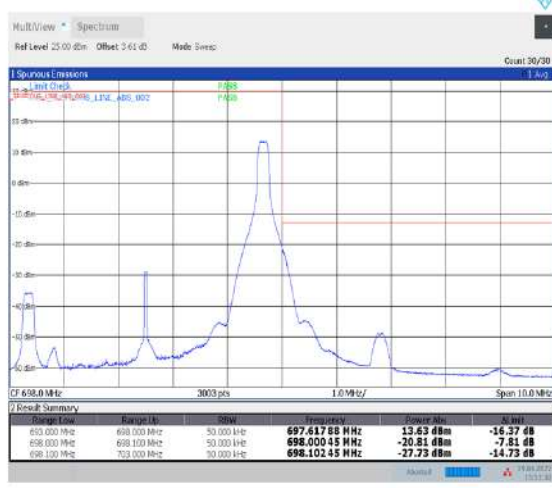
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1-N71--15-5-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@24-Ant1-PASS-see graph



15-10-18 19:04:30

1-N71--15-5-H-3-DFT-PI2BPSK-Outer_Full-25@0-Ant1-PASS-see graph



15-10-18 19:04:30

1-N71--15-5-H-5-CP-QPSK-Edge_1RB_Right-1@24-Ant1-PASS-see graph



15-10-18 19:04:30

1-N71--15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant1-PASS-see graph



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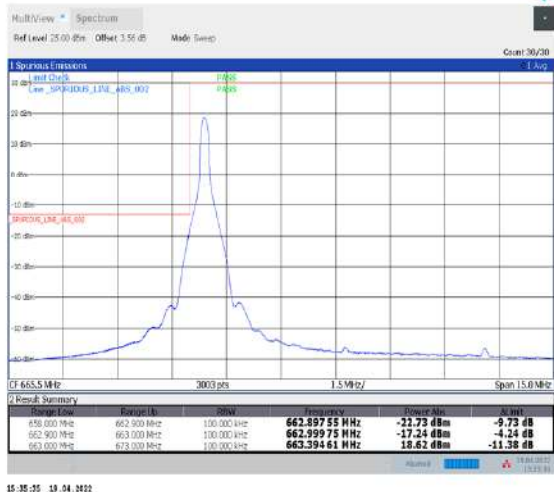
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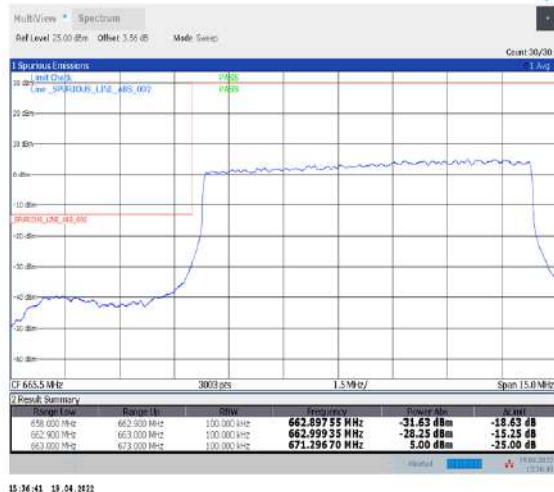
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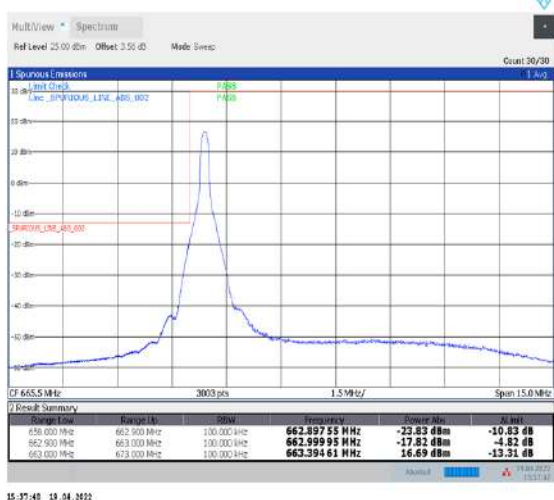
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1-N71--15-10-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-PASS-see graph



1-N71--15-10-L-3-DFT-PI2BPSK-Outer_Full-50@0-Ant1-PASS-see graph



1-N71--15-10-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-PASS-see graph



1-N71--15-10-L-6-CP-QPSK-Outer_Full-52@0-Ant1-PASS-see graph



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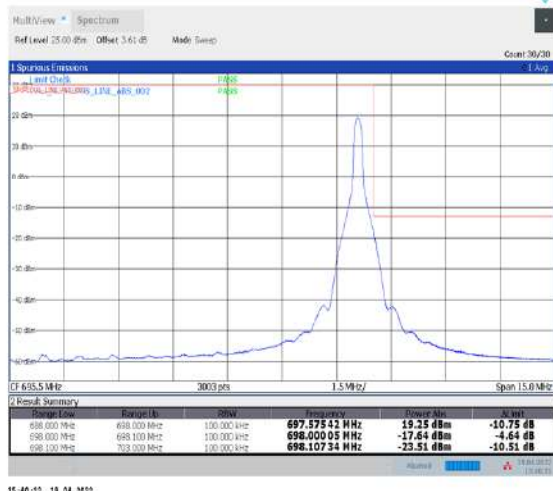
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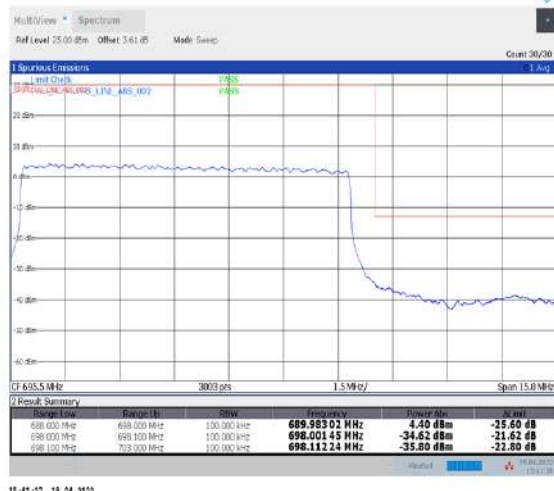
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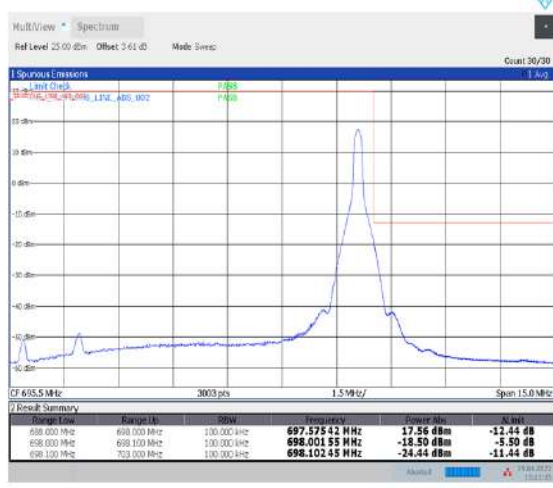
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1-N71--15-10-H-3-DFT-PI2BPSK-Outer_Full-50@0-Ant1-PASS-see graph



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1-N71--15-10-H-5-CP-QPSK-Edge_1RB_Right-1@51-Ant1-PASS-see graph



15:45:41 19.04.2022

1-N71--15-10-H-6-CP-QPSK-Outer_Full-52@0-Ant1-PASS-see graph



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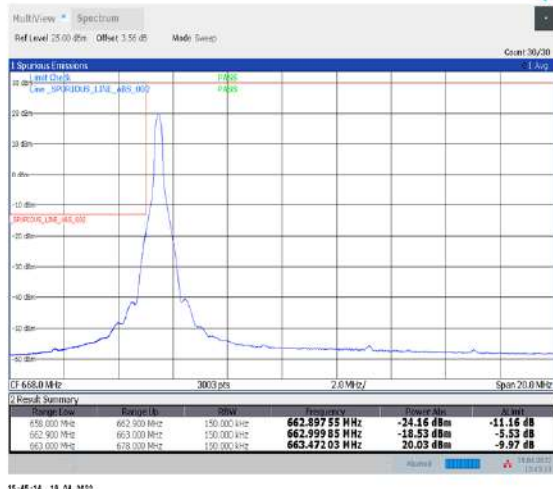
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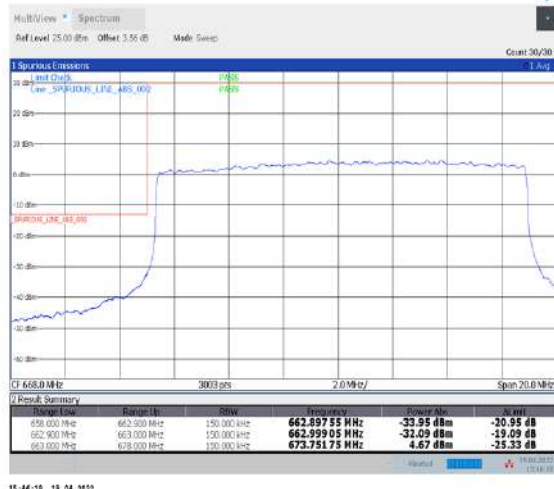
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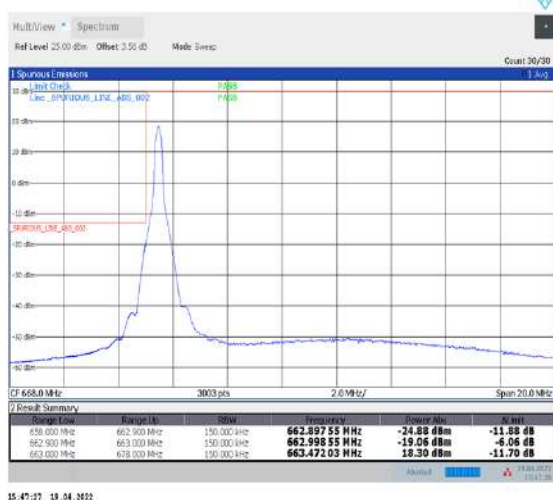
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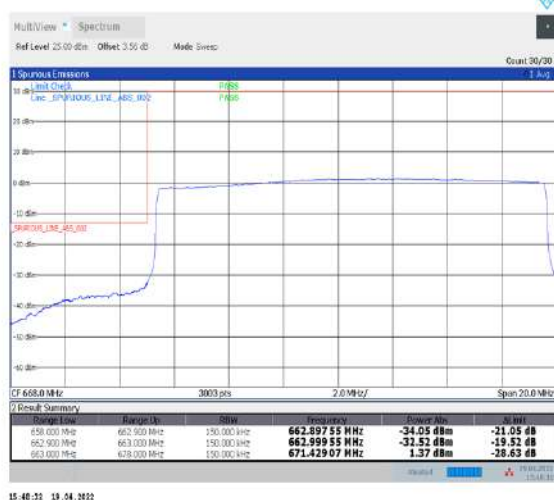
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1-N71--15-15-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-PASS-see graph



15:48:22 19.04.2022

1-N71--15-15-L-6-CP-QPSK-Outer_Full-79@0-Ant1-PASS-see graph



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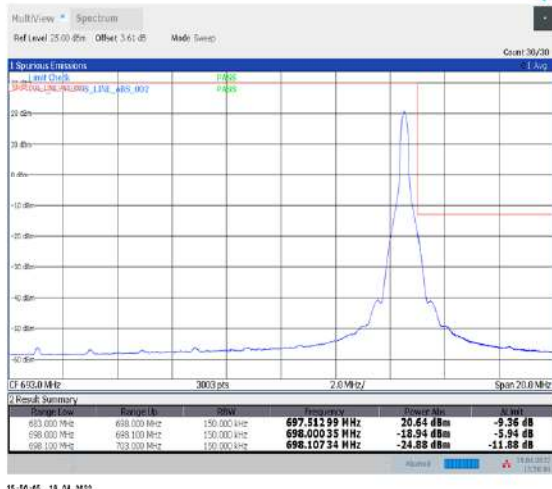
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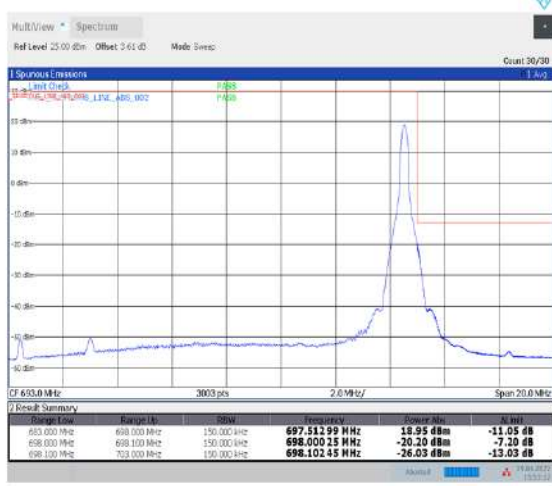
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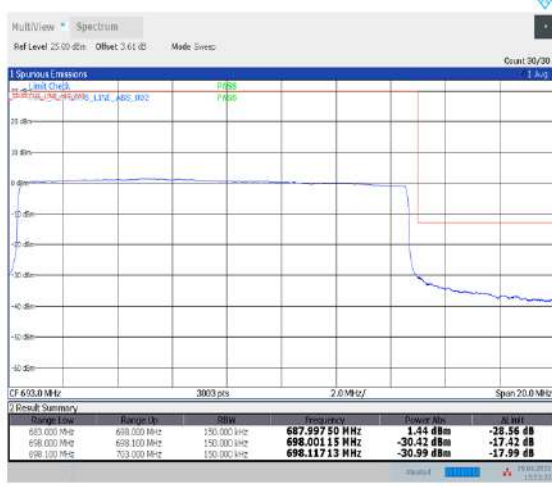
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1-N71--15-15-H-6-CP-QPSK-Outer_Full-79@0-Ant1-PASS-see graph



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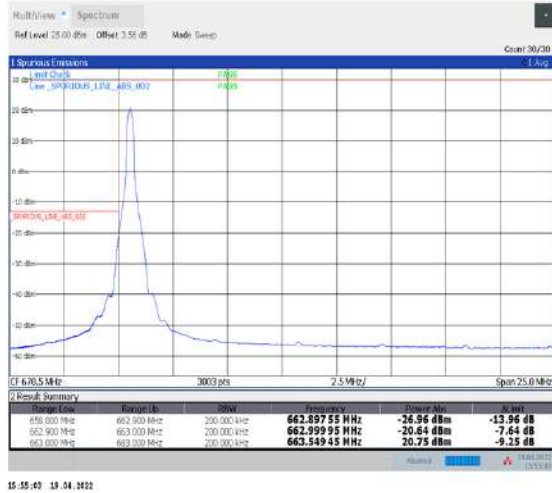
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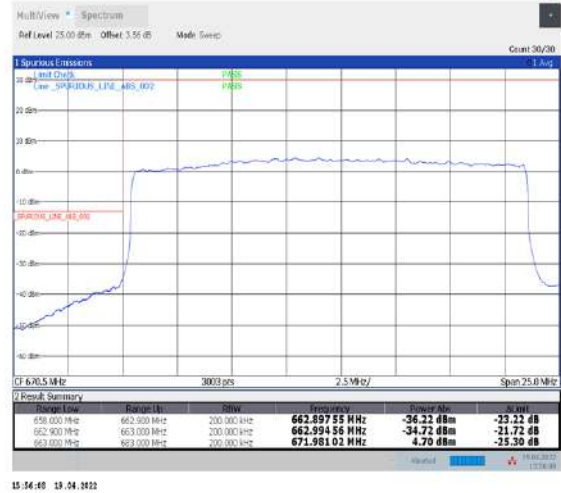
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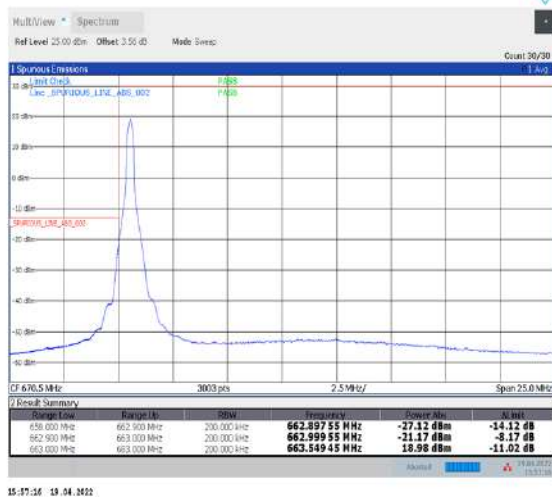
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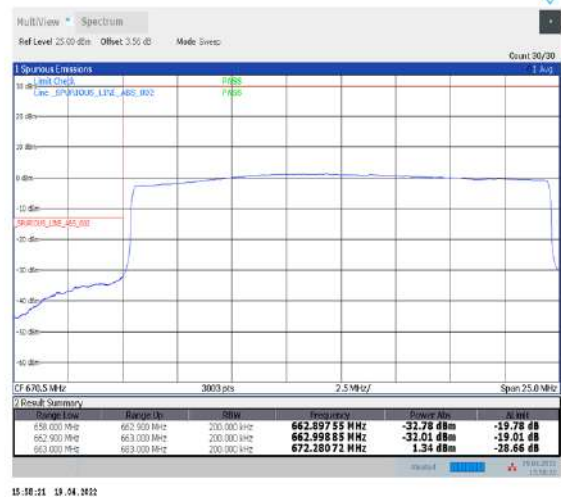
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1-N71--15-20-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-PASS-see graph



1-N71--15-20-L-6-CP-QPSK-Outer_Full-106@0-Ant1-PASS-see graph



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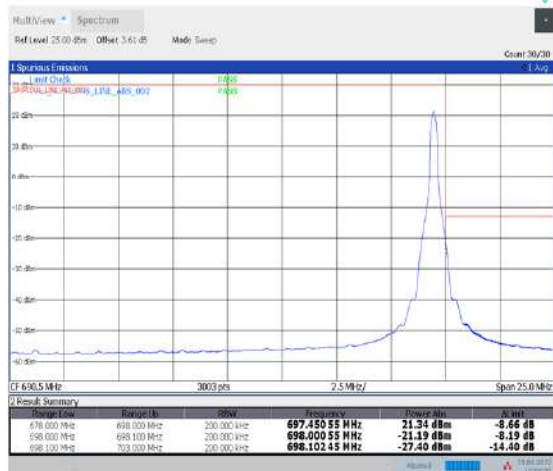
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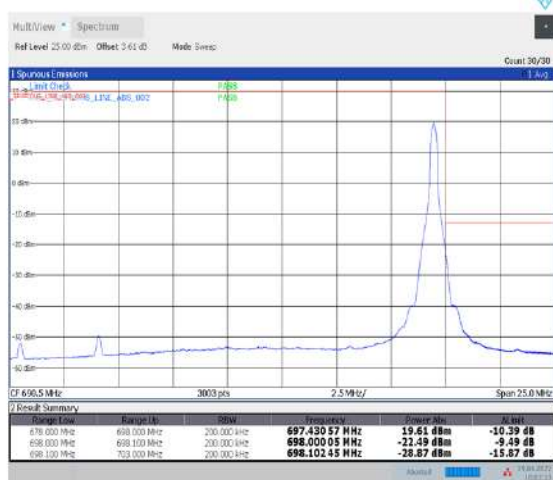
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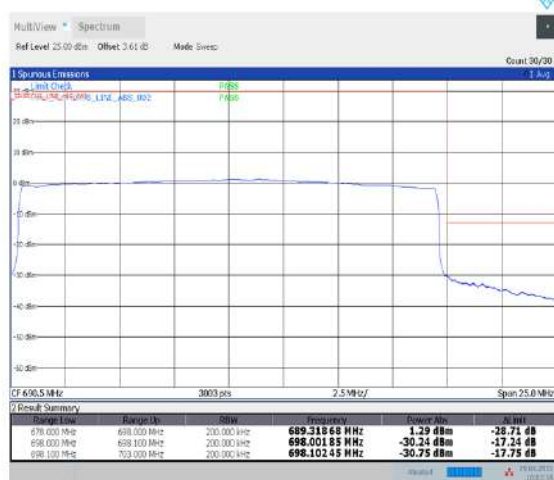
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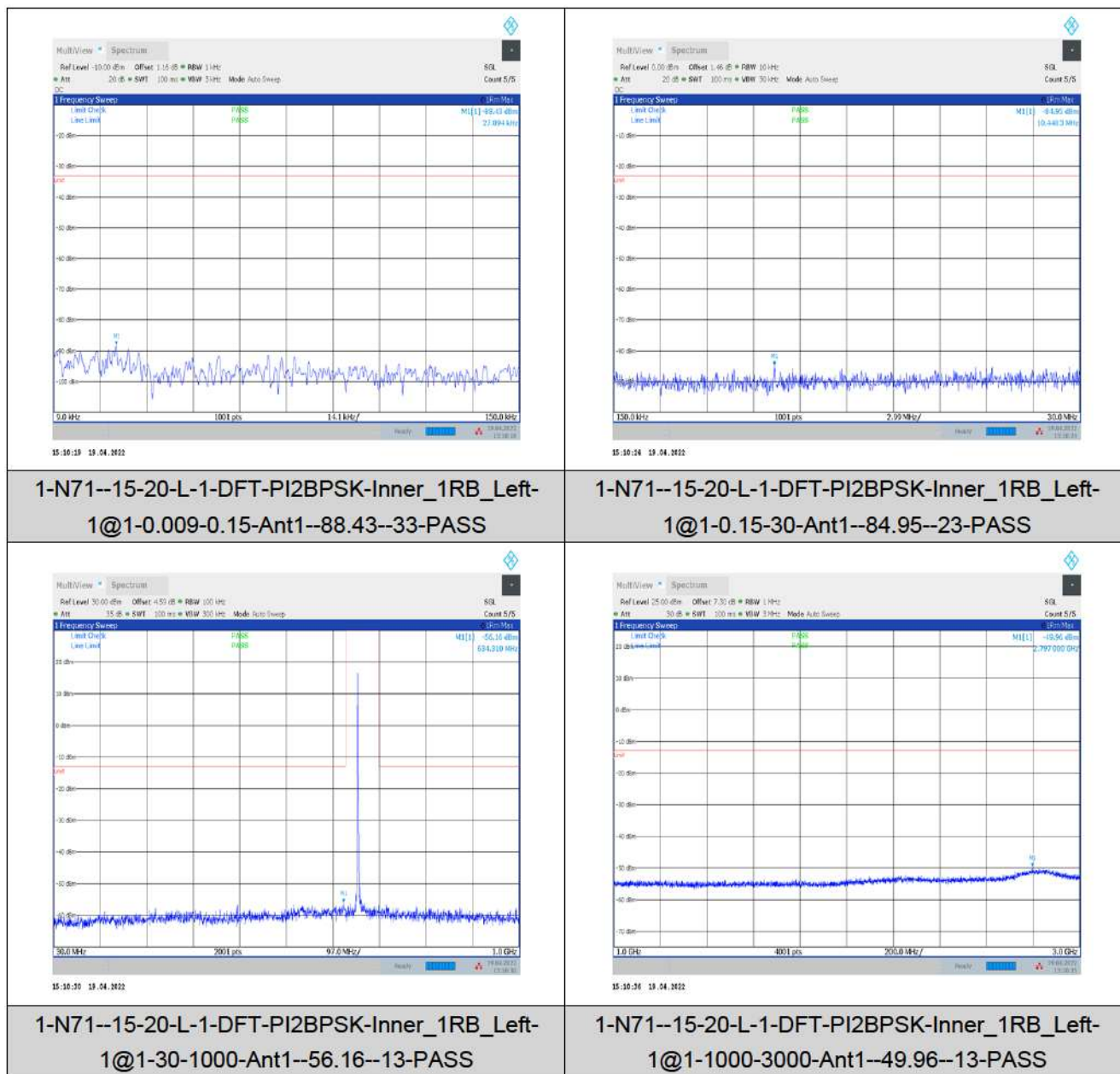
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Conducted Spurious Emission for SA

Test Graphs



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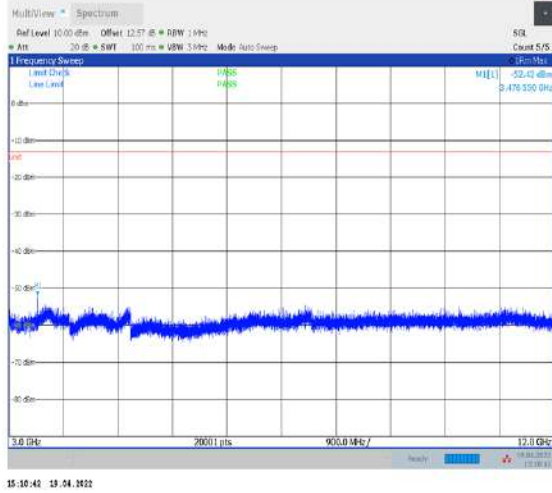
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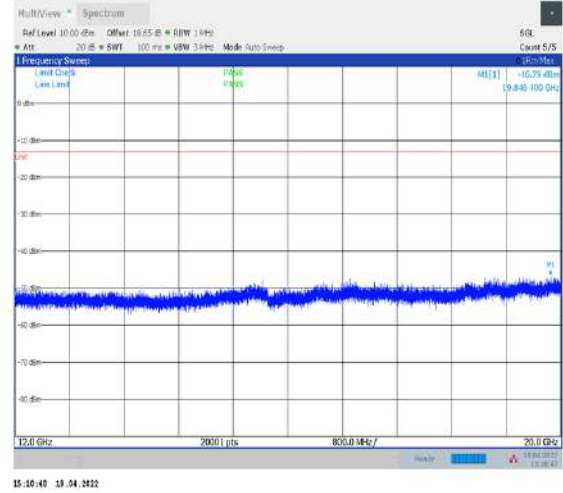
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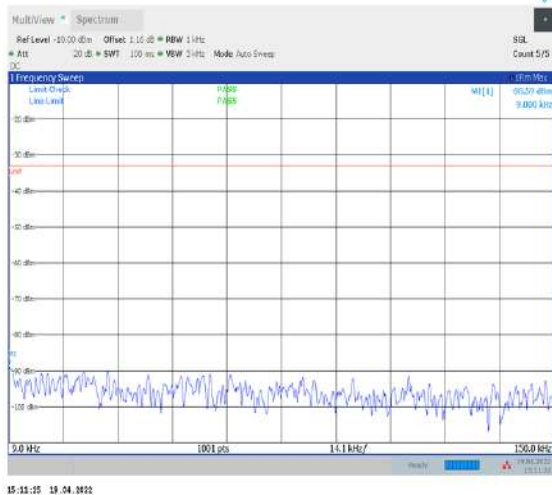
Page: 53 of 64



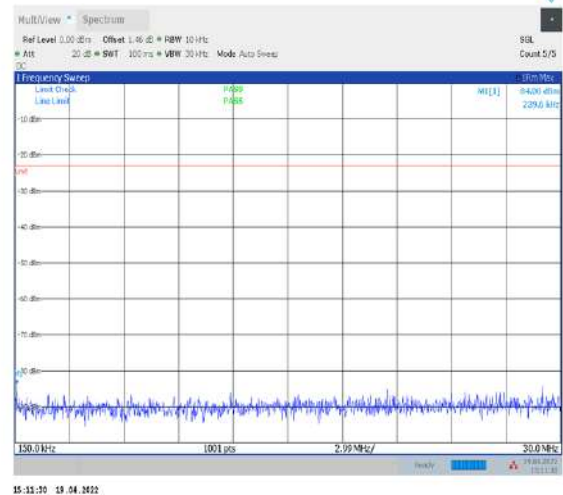
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1-N71--15-20-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-12000-20000-Ant1--46.79--13-PASS



1-N71--15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-Ant1--88.59--33-PASS



1-N71--15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant1--84.08--23-PASS



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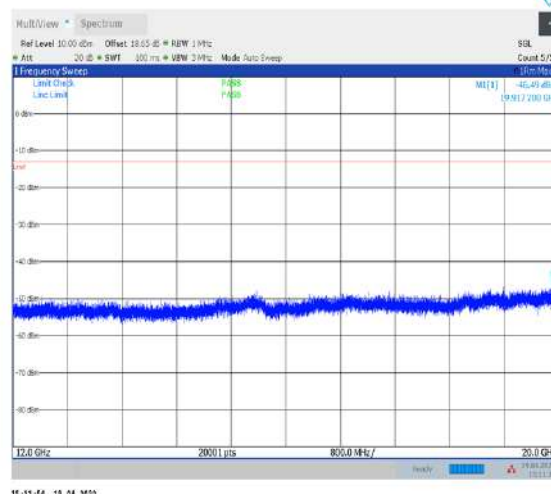
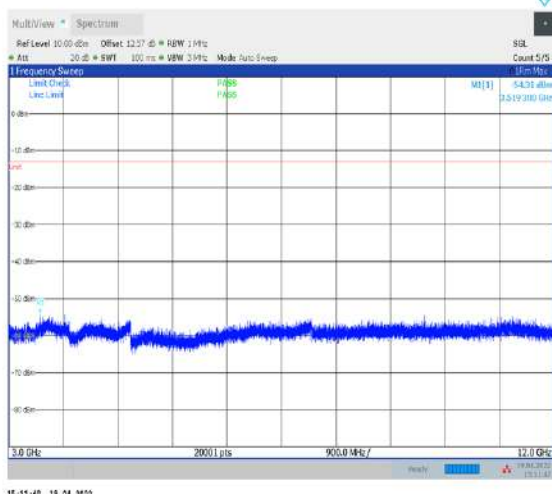
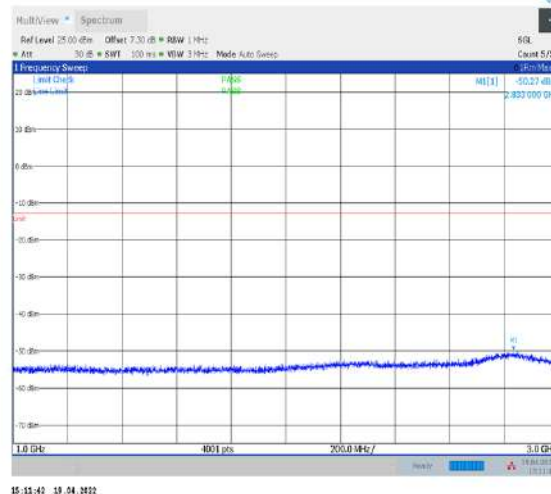
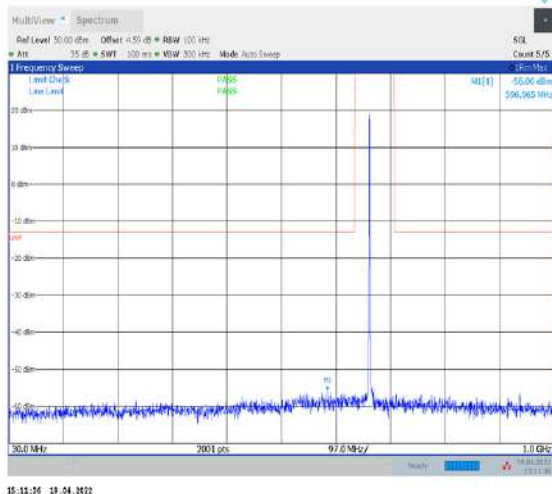
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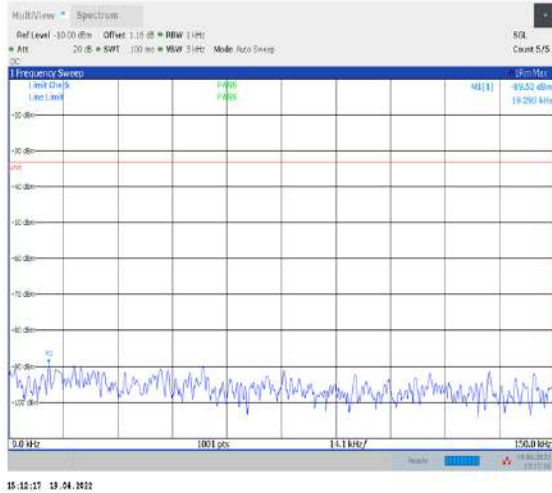
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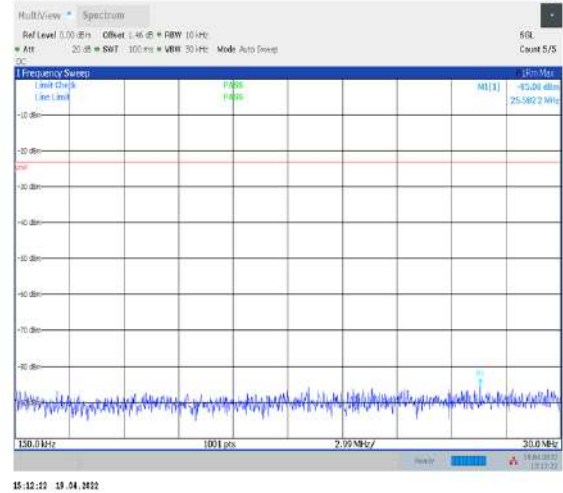
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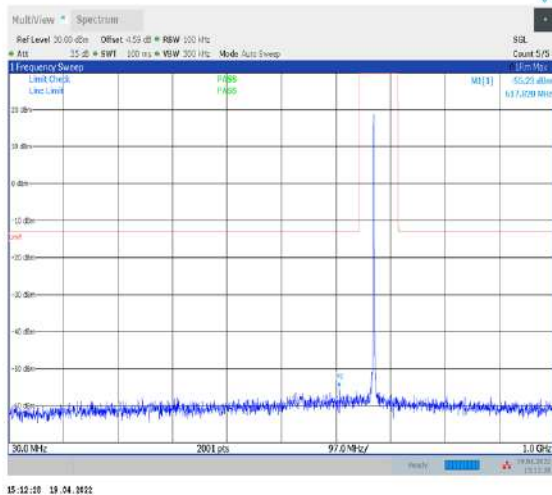
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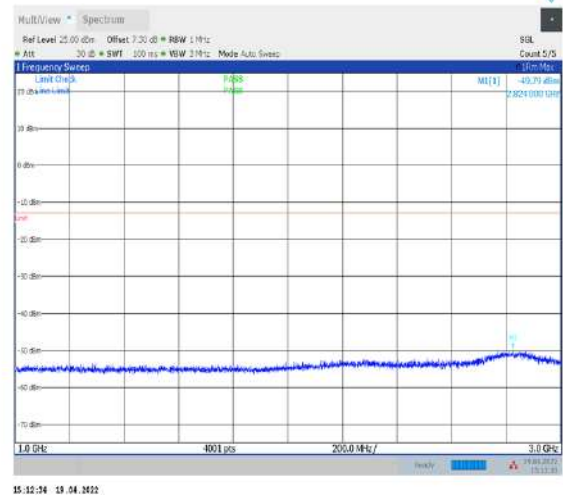
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1-N71-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant1--85.08--23-PASS



1-N71-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-30-1000-Ant1--55.23--13-PASS



1-N71-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-3000-Ant1--49.79--13-PASS



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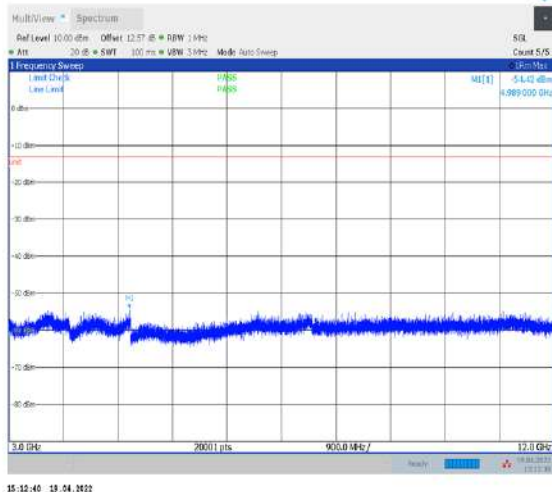
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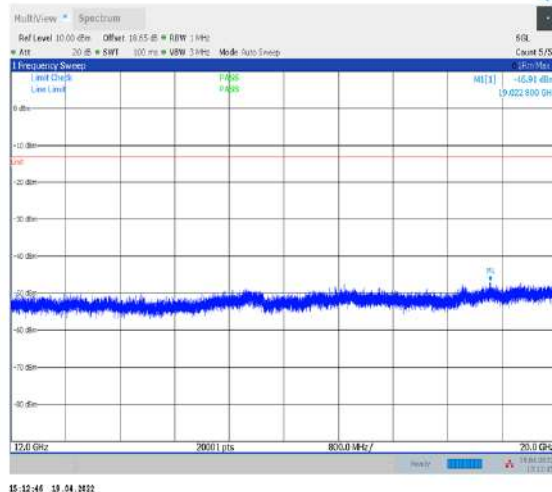
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1-N71-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-
1@1-3000-12000-Ant1--54.42--13-PASS



1-N71-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-
1@1-12000-20000-Ant1--46.91--13-PASS



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Field Strength of Spurious Radiation

Test Band = SA Band 71_ 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	1328	57.54	-118.50	-60.96	-13.00	47.96	263	99	Horizontal
2	1990	65.58	-116.51	-50.93	-13.00	37.93	241	280	Horizontal
3	2656.36	55.04	-113.96	-58.92	-13.00	45.92	175	0	Horizontal
4	3320.45	51.25	-111.94	-60.69	-13.00	47.69	263	1	Horizontal
5	3984.54	49.59	-110.20	-60.61	-13.00	47.61	241	272	Horizontal
6	4648.63	49.98	-108.09	-58.11	-13.00	45.11	155	29	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1328.18	53.22	-118.51	-65.29	-13.00	52.29	263	277	Vertical
2	1992.27	53.45	-116.48	-63.03	-13.00	50.03	251	208	Vertical
3	2656.36	52.11	-113.96	-61.85	-13.00	48.85	144	57	Vertical
4	3320.45	50.72	-111.94	-61.22	-13.00	48.22	265	358	Vertical
5	3984.54	50.28	-110.20	-59.92	-13.00	46.92	241	192	Vertical
6	4648.63	50.48	-108.09	-57.61	-13.00	44.61	187	96	Vertical



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Test Band = SA Band 71_ 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	1342	68.89	-118.52	-49.63	-13.00	36.63	163	231	Horizontal
2	2012	84.25	-116.39	-32.14	-13.00	19.14	284	310	Horizontal
3	2686.36	54.28	-113.80	-59.52	-13.00	46.52	176	19	Horizontal
4	3357.95	52.17	-112.01	-59.84	-13.00	46.84	254	89	Horizontal
5	4029.54	49.87	-110.09	-60.22	-13.00	47.22	142	0	Horizontal
6	4701.13	49.94	-107.93	-57.99	-13.00	44.99	263	280	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1343.18	53.65	-118.52	-64.87	-13.00	51.87	142	4	Vertical
2	2014.77	53.05	-116.38	-63.33	-13.00	50.33	263	353	Vertical
3	2686.36	51.72	-113.80	-62.08	-13.00	49.08	254	138	Vertical
4	3357.95	51.15	-112.01	-60.86	-13.00	47.86	144	28	Vertical
5	4029.54	49.42	-110.09	-60.67	-13.00	47.67	162	222	Vertical
6	4701.13	50.24	-107.93	-57.69	-13.00	44.69	241	222	Vertical



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Test Band = SA Band 71_ 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	1356	66.12	-118.54	-52.42	-13.00	39.42	263	247	Horizontal
2	2036	89.71	-116.30	-26.59	-13.00	13.59	254	357	Horizontal
3	2716.36	55.58	-113.61	-58.03	-13.00	45.03	175	0	Horizontal
4	3395.45	51.02	-112.09	-61.07	-13.00	48.07	286	343	Horizontal
5	4074.54	50.87	-109.97	-59.10	-13.00	46.10	254	343	Horizontal
6	4753.63	50.85	-107.83	-56.98	-13.00	43.98	144	271	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1358.18	53.31	-118.54	-65.23	-13.00	52.23	214	347	Vertical
2	2037.27	52.50	-116.29	-63.79	-13.00	50.79	263	326	Vertical
3	2716.36	53.30	-113.61	-60.31	-13.00	47.31	254	80	Vertical
4	3395.45	51.38	-112.09	-60.71	-13.00	47.71	175	239	Vertical
5	4074.54	49.57	-109.97	-60.40	-13.00	47.40	264	317	Vertical
6	4753.63	50.84	-107.83	-56.99	-13.00	43.99	118	153	Vertical



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Test Band = NR UL CA n41A-n71A_ 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	1328.18	40.44	-95.91	-55.47	-25.00	30.47	163	89	Horizontal
2	1992.27	40.52	-93.45	-52.93	-25.00	27.93	251	360	Horizontal
3	2656.36	41.06	-90.77	-49.71	-25.00	24.71	174	80	Horizontal
4	5002.2	51.45	-107.58	-56.13	-25.00	31.13	162	220	Horizontal
5	7491.4286	57.33	-100.40	-43.07	-25.00	18.07	241	211	Horizontal
6	10004.4	45.21	-93.89	-48.68	-25.00	23.68	188	97	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1328.18	40.54	-95.91	-55.37	-25.00	30.37	142	357	Vertical
2	1992.27	40.22	-93.45	-53.23	-25.00	28.23	263	359	Vertical
3	2656.36	40.14	-90.77	-50.63	-25.00	25.63	254	65	Vertical
4	5002.2	51.75	-107.58	-55.83	-25.00	30.83	175	305	Vertical
5	7491.4286	52.10	-100.40	-48.30	-25.00	23.30	263	219	Vertical
6	10004.4	45.29	-93.89	-48.60	-25.00	23.60	241	0	Vertical



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Test Band = NR UL CA n41A-n71A_ 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	1348.18	41.05	-95.84	-54.79	-25.00	29.79	142	294	Horizontal
2	2022.27	40.83	-93.32	-52.49	-25.00	27.49	251	317	Horizontal
3	2696.36	40.63	-90.55	-49.92	-25.00	24.92	143	189	Horizontal
4	5096.16	50.33	-106.96	-56.63	-25.00	31.63	263	218	Horizontal
5	7644.24	48.54	-99.76	-51.22	-25.00	26.22	251	63	Horizontal
6	10192.32	44.14	-93.11	-48.97	-25.00	23.97	144	21	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1348.18	41.36	-95.84	-54.48	-25.00	29.48	142	72	Vertical
2	2022.27	40.59	-93.32	-52.73	-25.00	27.73	263	97	Vertical
3	2696.36	40.66	-90.55	-49.89	-25.00	24.89	251	65	Vertical
4	5096.16	49.88	-106.96	-57.08	-25.00	32.08	142	227	Vertical
5	7644.24	49.30	-99.76	-50.46	-25.00	25.46	263	122	Vertical
6	10192.32	44.46	-93.11	-48.65	-25.00	23.65	241	166	Vertical



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Test Band = NR UL CA n41A-n71A_ 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	1358.18	40.79	-95.81	-55.02	-25.00	30.02	163	360	Horizontal
2	2037.27	41.00	-93.27	-52.27	-25.00	27.27	251	289	Horizontal
3	2716.36	41.91	-90.45	-48.54	-25.00	23.54	142	105	Horizontal
4	5190.18	50.21	-106.82	-56.61	-25.00	31.61	251	139	Horizontal
5	7785.27	49.73	-98.90	-49.17	-25.00	24.17	163	296	Horizontal
6	10380.36	43.07	-92.87	-49.80	-25.00	24.80	221	209	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1358.18	40.58	-95.81	-55.23	-25.00	30.23	263	104	Vertical
2	2037.27	40.18	-93.27	-53.09	-25.00	28.09	251	325	Vertical
3	2716.36	40.14	-90.45	-50.31	-25.00	25.31	142	353	Vertical
4	5190.18	50.55	-106.82	-56.27	-25.00	31.27	263	132	Vertical
5	7785.27	48.68	-98.90	-50.22	-25.00	25.22	241	357	Vertical
6	10380.36	42.47	-92.87	-50.40	-25.00	25.40	123	121	Vertical



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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
N71	15	20	DFT-PI2BPSK	M	Outer_Full	VH	NT	-5.200000	-0.007641	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	VN	NT	-4.700000	-0.006907	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	VL	NT	0.700000	0.001029	PASS
N71	15	20	CP-QPSK	M	Outer_Full	VH	NT	0.900000	0.001323	PASS
N71	15	20	CP-QPSK	M	Outer_Full	VN	NT	-2.800000	-0.004115	PASS
N71	15	20	CP-QPSK	M	Outer_Full	VL	NT	17.400000	0.025569	PASS



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Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-30	-1.400000	-0.002057	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-20	-3.300000	-0.004849	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-10	0.500000	0.000735	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	0	-0.600000	-0.000882	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	10	-5.100000	-0.007494	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	20	-3.700000	-0.005437	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	30	-2.200000	-0.003233	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	40	-1.800000	-0.002645	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	50	-2.500000	-0.003674	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	-30	1.700000	0.002498	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	-20	-1.200000	-0.001763	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	-10	1.500000	0.002204	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	0	0.500000	0.000735	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	10	-1.800000	-0.002645	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	20	-2.300000	-0.003380	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	30	-0.500000	-0.000735	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	40	-1.500000	-0.002204	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	50	-3.500000	-0.005143	PASS

---End of Attachment---



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