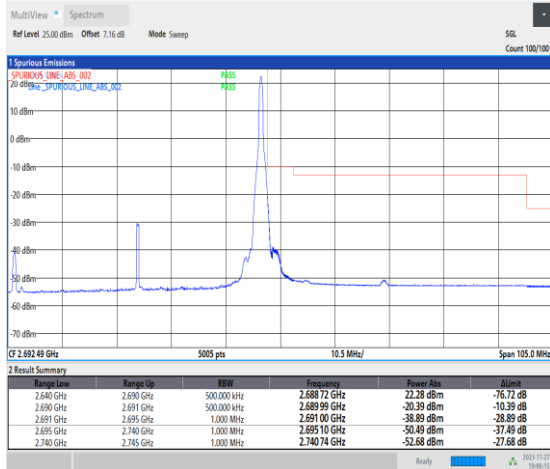


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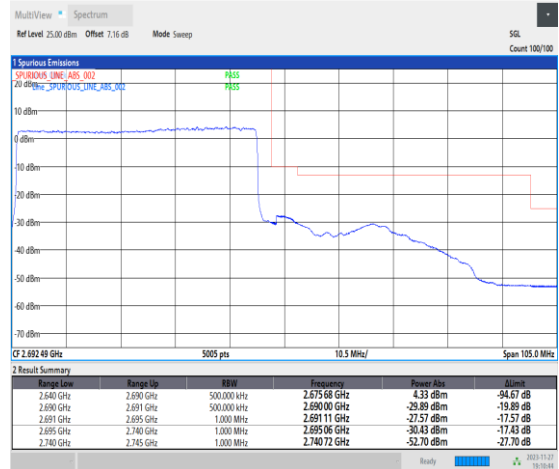
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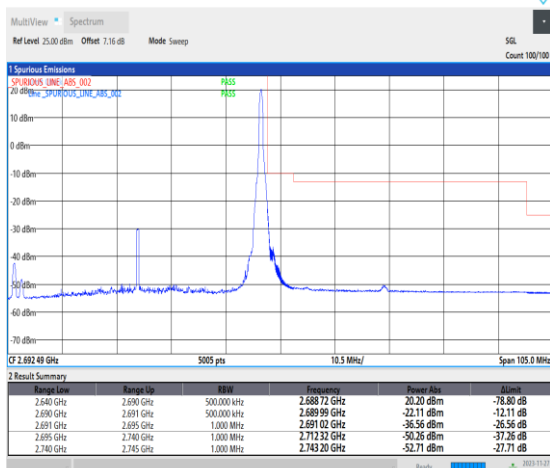
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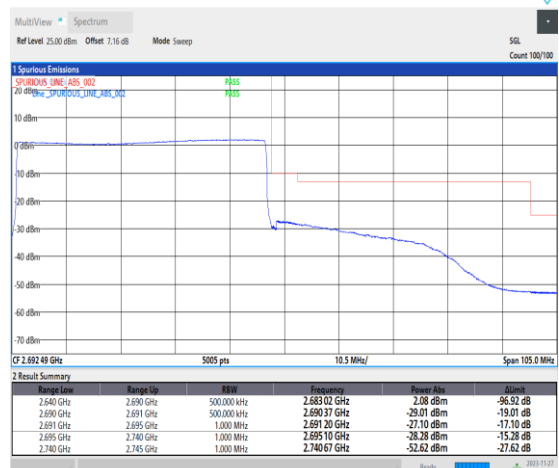
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07:15:16 PM 11/27/2023

1-N41-PC2-30-50-H-5-CP-QPSK-Edge_1RB_Right-1@132-Ant31-1--PASS-see graph



07:19:44 PM 11/27/2023

1-N41-PC2-30-50-H-6-CP-QPSK-Outer_Full-133@0-Ant31-1--PASS-see graph



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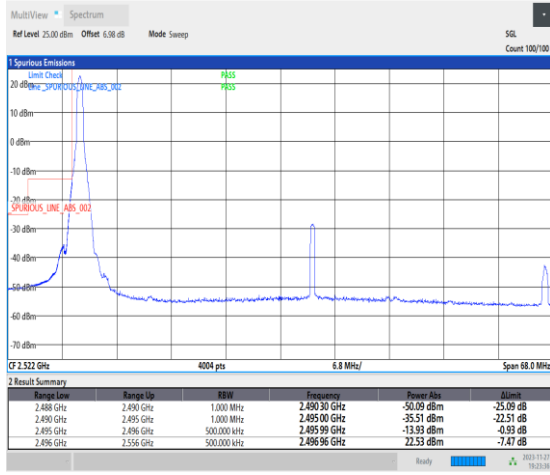
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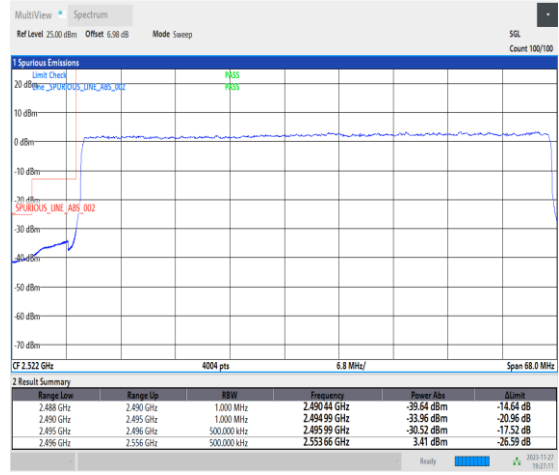
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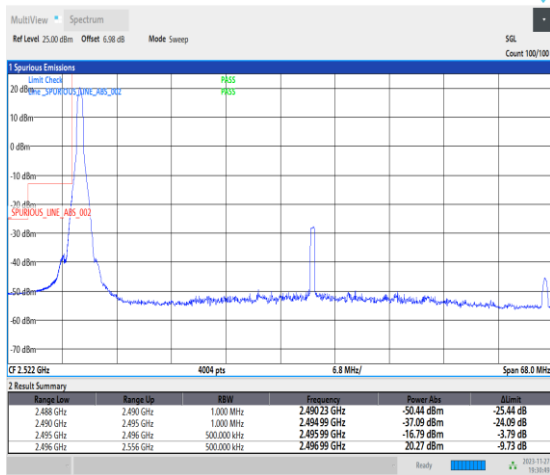
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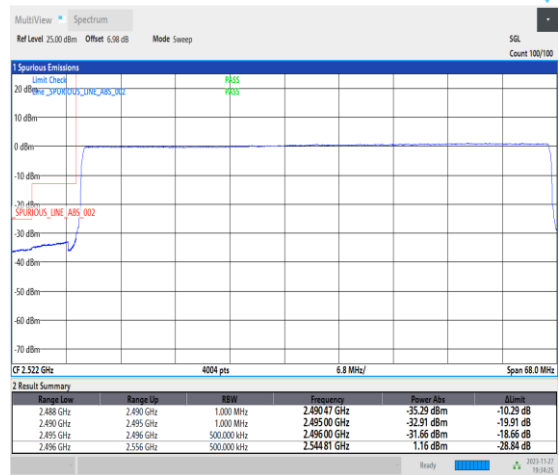
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07:30:50 PM 11/27/2023

1-N41-PC2-30-60-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant31-1--PASS-see graph



07:34:26 PM 11/27/2023

1-N41-PC2-30-60-L-6-CP-QPSK-Outer_Full-162@0-Ant31-1--PASS-see graph



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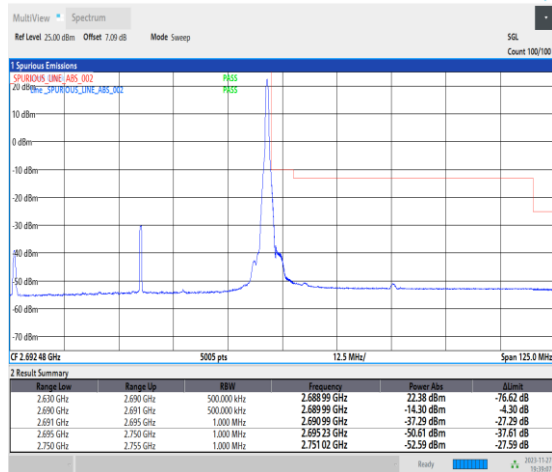
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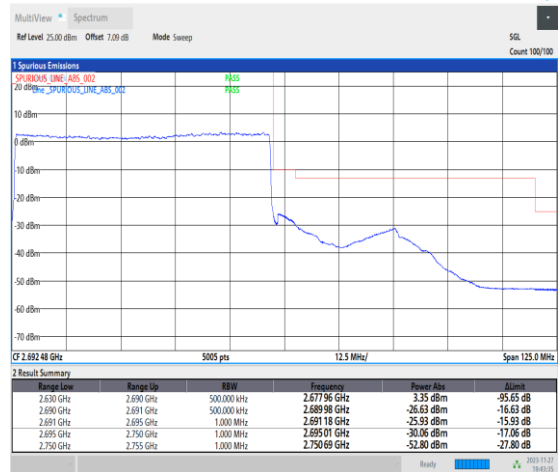
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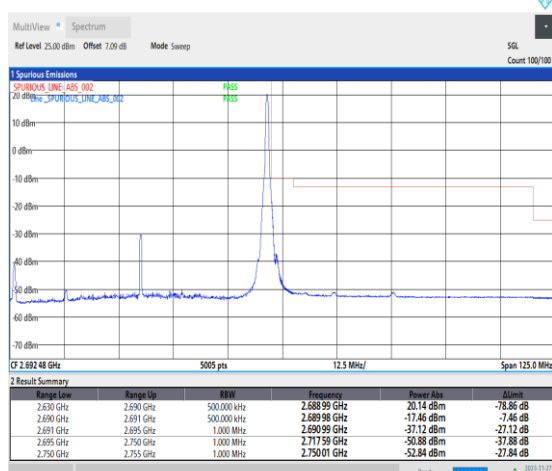
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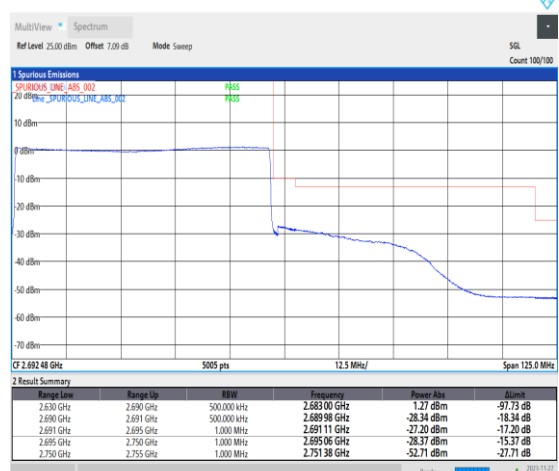
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07:48:08 PM 11/27/2023

1-N41-PC2-30-60-H-5-CP-QPSK-Edge_1RB_Right-1@161-Ant31-1--PASS-see graph



07:52:35 PM 11/27/2023

1-N41-PC2-30-60-H-6-CP-QPSK-Outer_Full-162@0-Ant31-1--PASS-see graph



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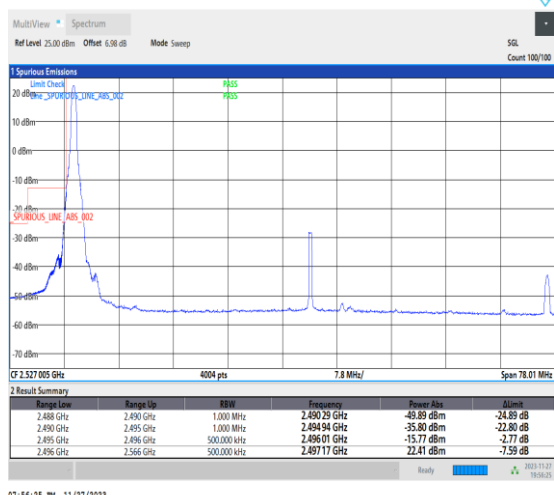
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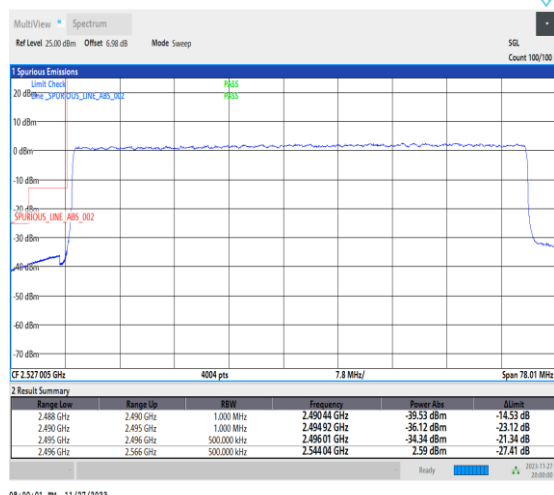
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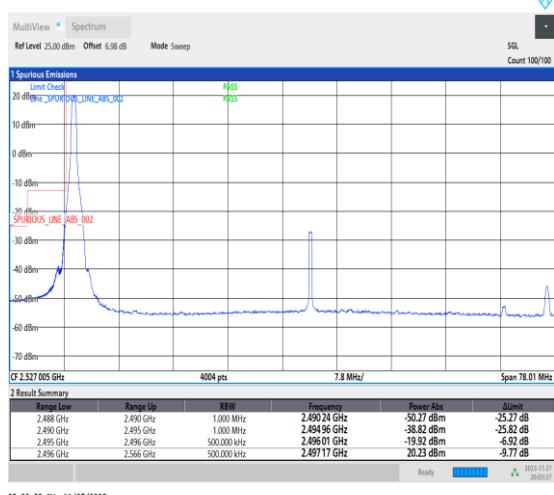
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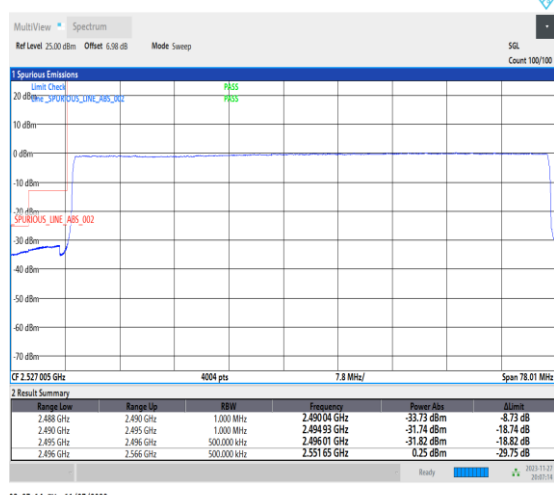
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1-N41-PC2-30-70-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant31-1--PASS-see graph

1-N41-PC2-30-70-L-3-DFT-PI2BPSK-Outer_Full-180@0-Ant31-1--PASS-see graph



08:03:38 PM 11/27/2023



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1-N41-PC2-30-70-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant31-1--PASS-see graph

1-N41-PC2-30-70-L-6-CP-QPSK-Outer_Full-189@0-Ant31-1--PASS-see graph



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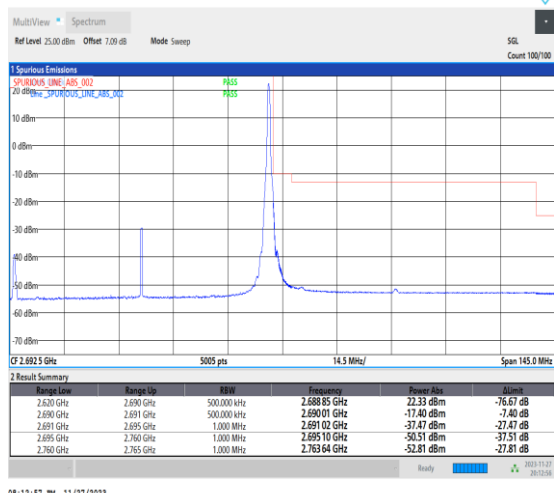
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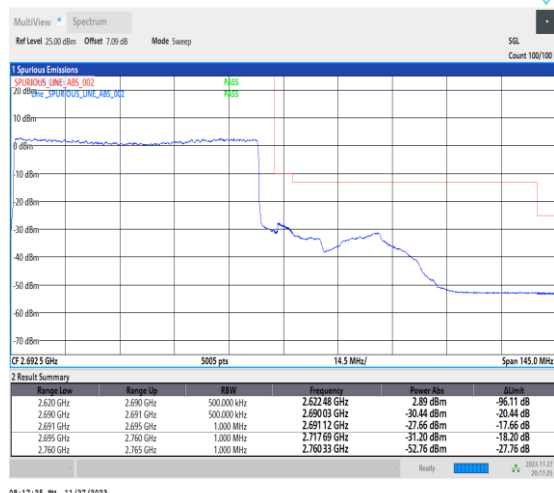
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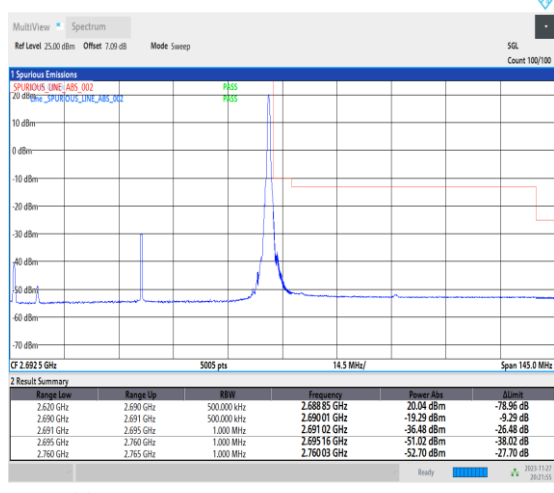
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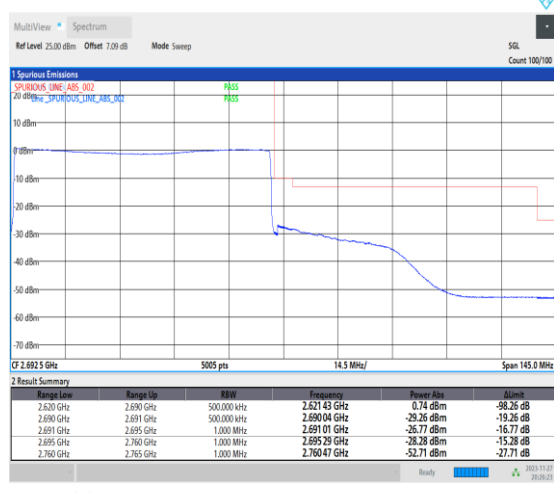
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1-N41-PC2-30-70-H-5-CP-QPSK-Edge_1RB_Right-1@188-Ant31-1--PASS-see graph



08:26:23 PM 11/27/2023

1-N41-PC2-30-70-H-6-CP-QPSK-Outer_Full-189@0-Ant31-1--PASS-see graph



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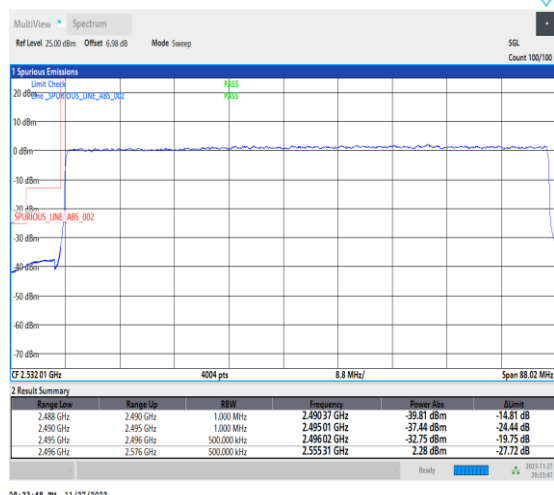
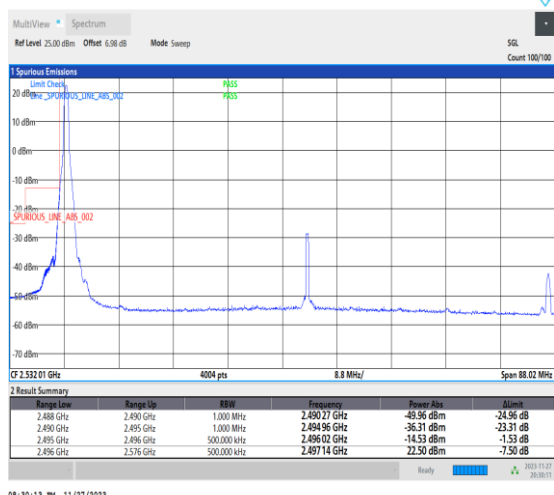
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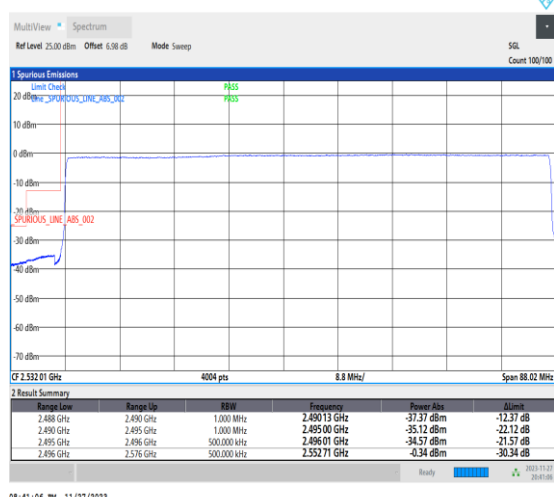
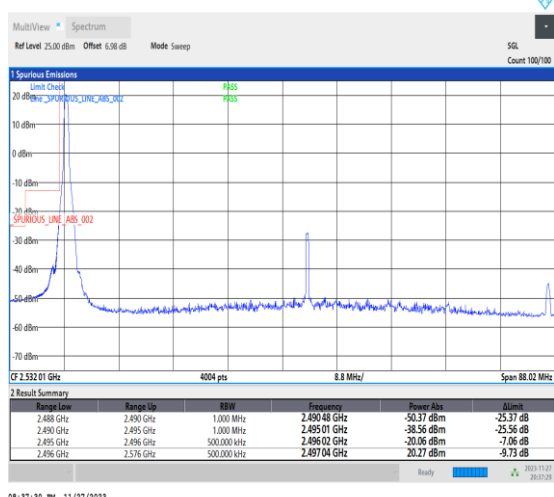
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1-N41-PC2-30-80-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant31-1--PASS-see graph

1-N41-PC2-30-80-L-3-DFT-PI2BPSK-Outer_Full-216@0-Ant31-1--PASS-see graph



1-N41-PC2-30-80-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant31-1--PASS-see graph

1-N41-PC2-30-80-L-6-CP-QPSK-Outer_Full-217@0-Ant31-1--PASS-see graph



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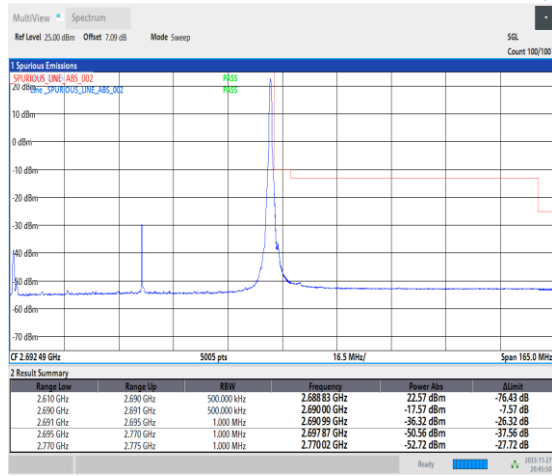
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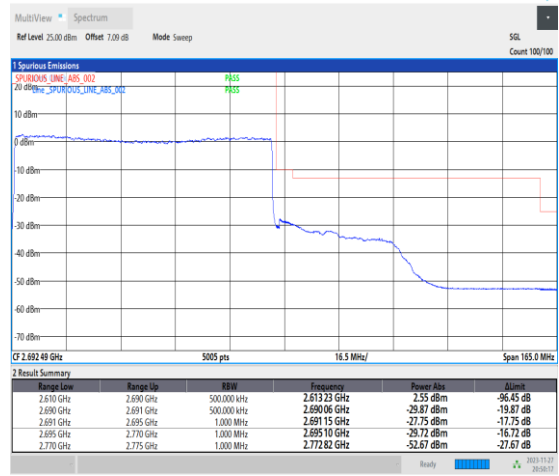
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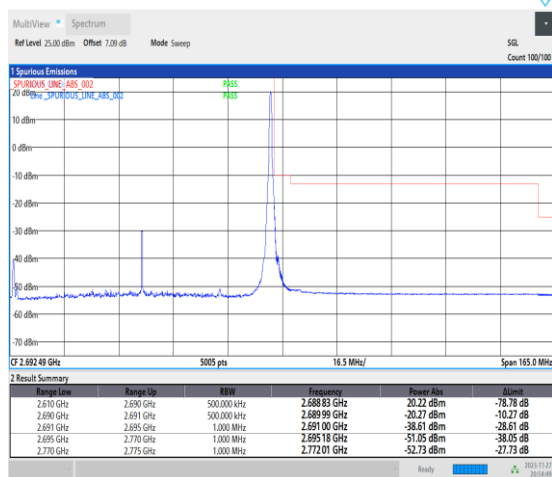
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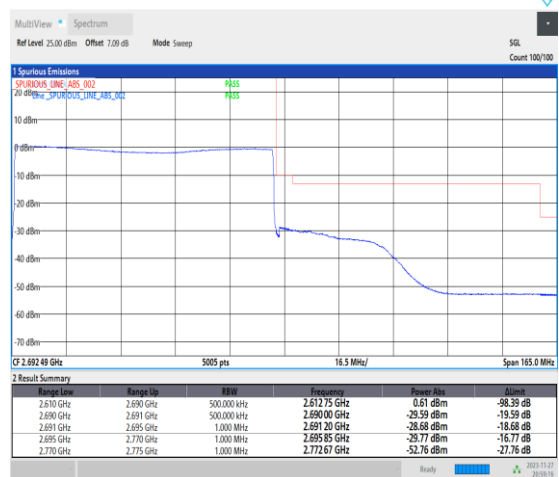
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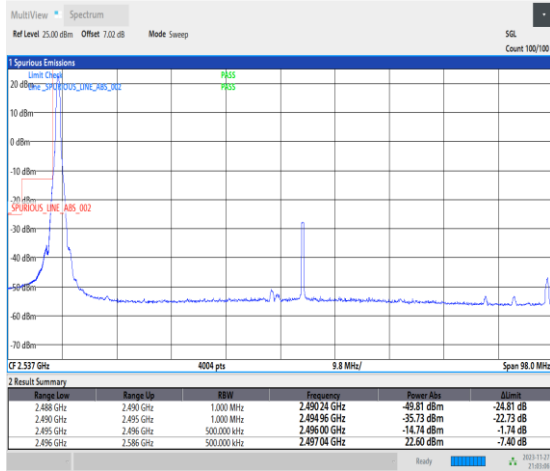
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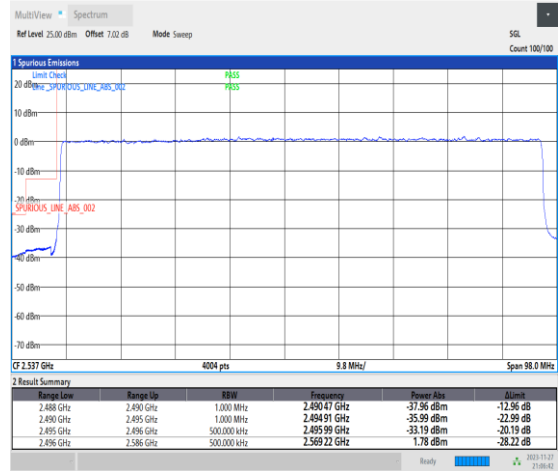
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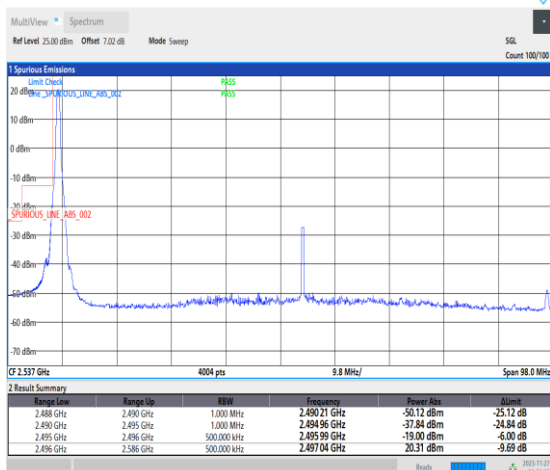
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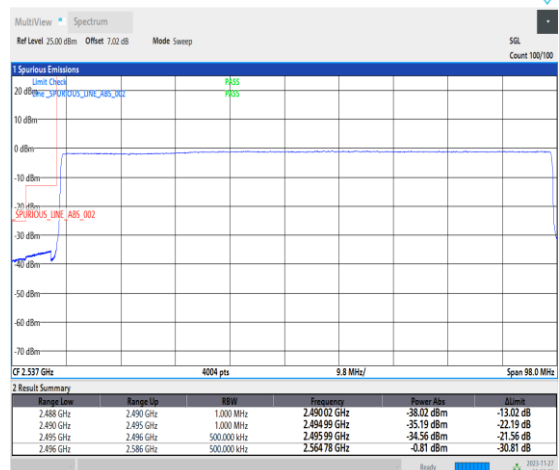
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09:13:56 PM 11/27/2023

1-N41-PC2-30-90-L-6-CP-QPSK-Outer_Full-245@0-Ant31-1--PASS-see graph



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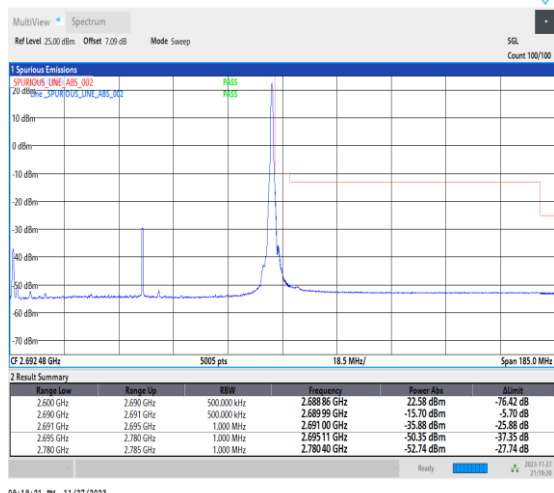
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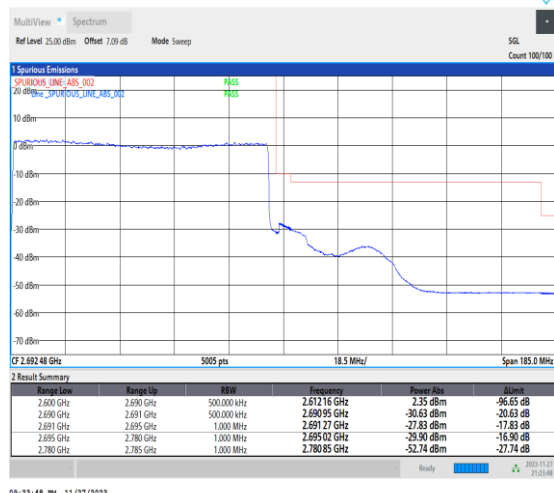
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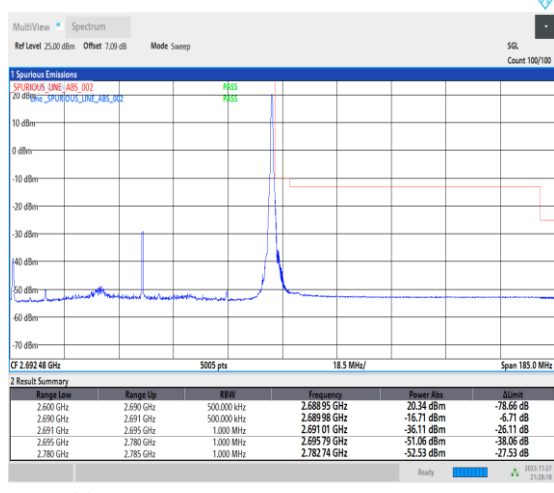
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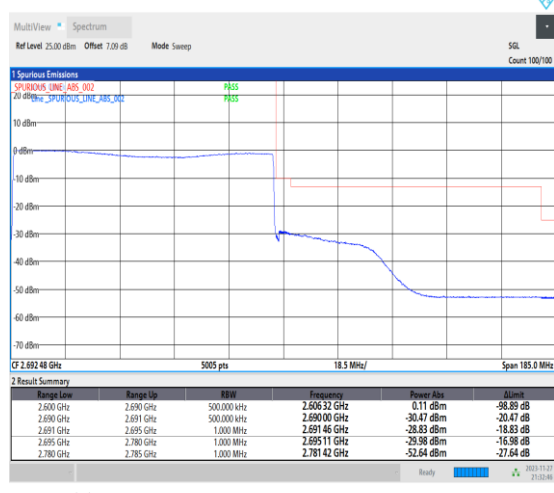
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09:28:19 PM 11/27/2023

1-N41-PC2-30-90-H-5-CP-QPSK-Edge_1RB_Right-1@244-Ant31-1--PASS-see graph



09:32:47 PM 11/27/2023

1-N41-PC2-30-90-H-6-CP-QPSK-Outer_Full-245@0-Ant31-1--PASS-see graph



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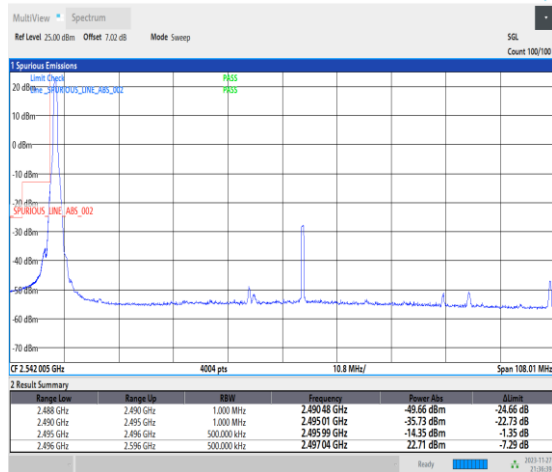
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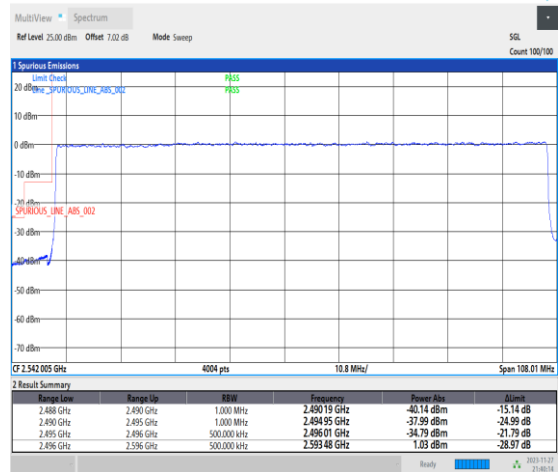
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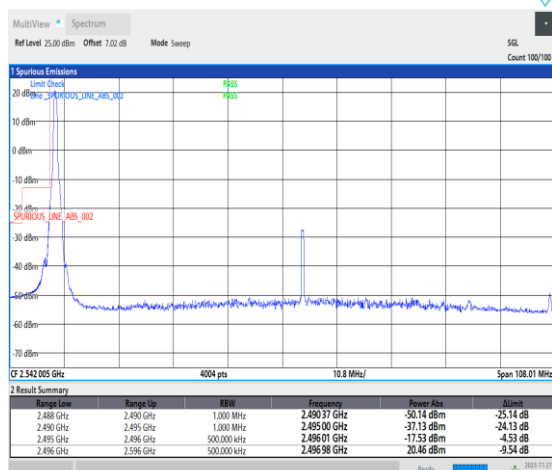
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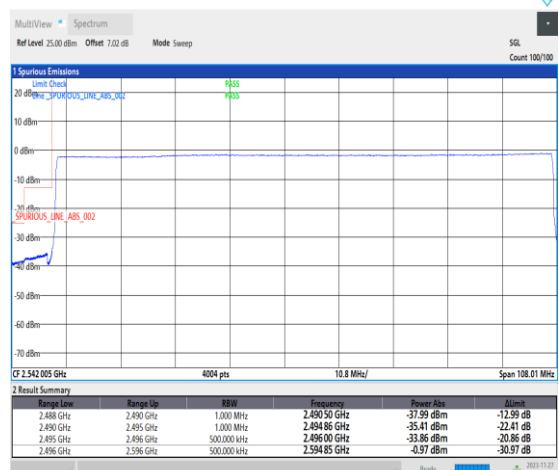
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-1@0-Ant31-1--PASS-see graph

1-N41-PC2-30-100-L-3-DFT-PI2BPSK-Outer_Full-
270@0-Ant31-1--PASS-see graph



09:43:53 PM 11/27/2023



09:47:29 PM 11/27/2023

1-N41-PC2-30-100-L-4-CP-QPSK-Edge_1RB_Left-1@
0-Ant31-1--PASS-see graph

1-N41-PC2-30-100-L-6-CP-QPSK-Outer_Full-273
@0-Ant31-1--PASS-see graph



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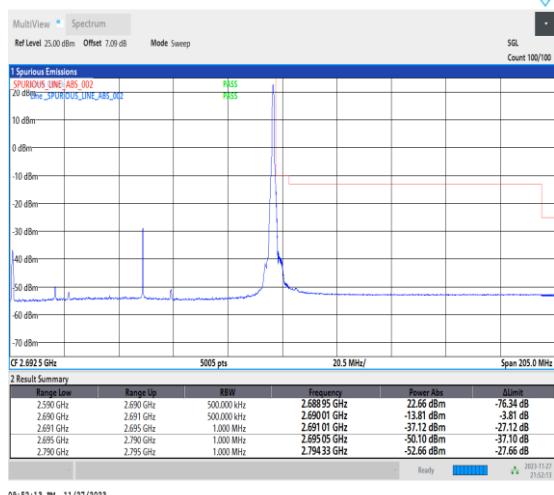
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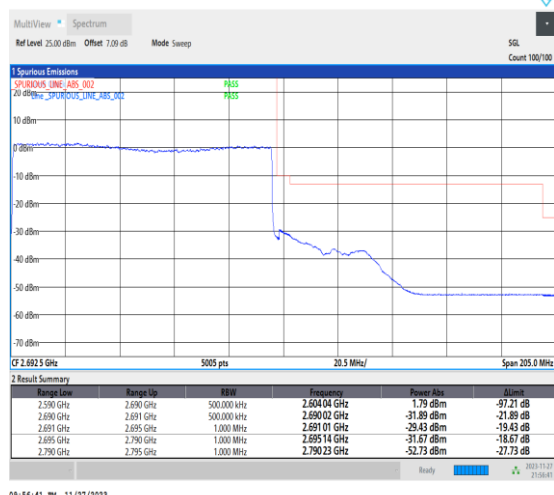
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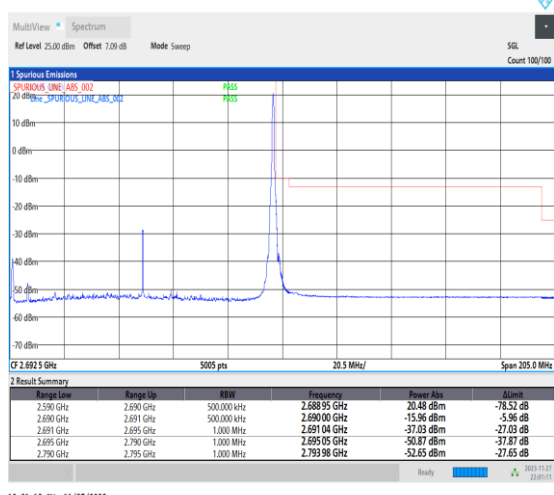
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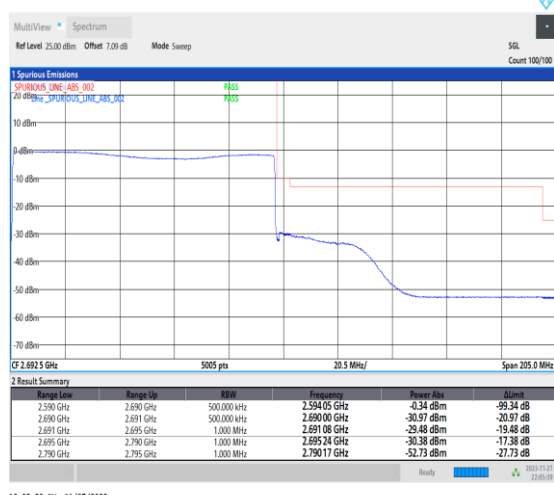
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10:01:12 PM 11/27/2023

1-N41-PC2-30-100-H-5-CP-QPSK-Edge_1RB_Right-1 @272-Ant31-1--PASS-see graph



10:05:39 PM 11/27/2023

1-N41-PC2-30-100-H-6-CP-QPSK-Outer_Full-273 @0-Ant31-1--PASS-see graph



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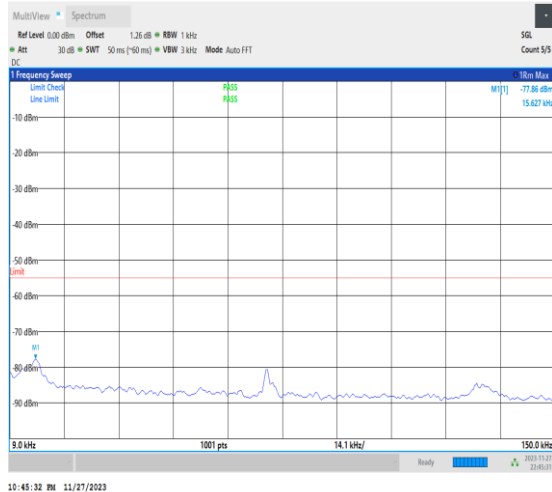
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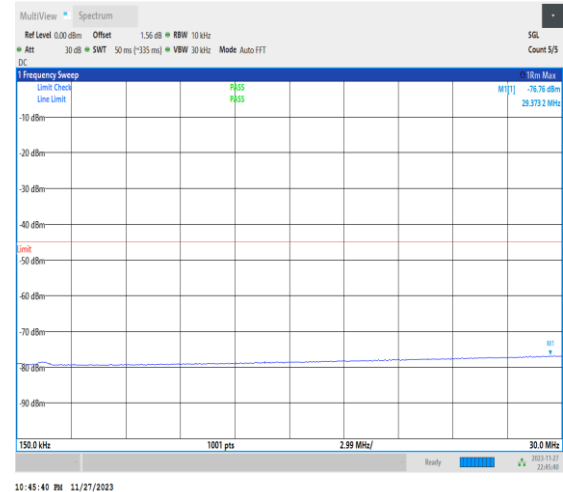
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Conducted Spurious Emission for SA

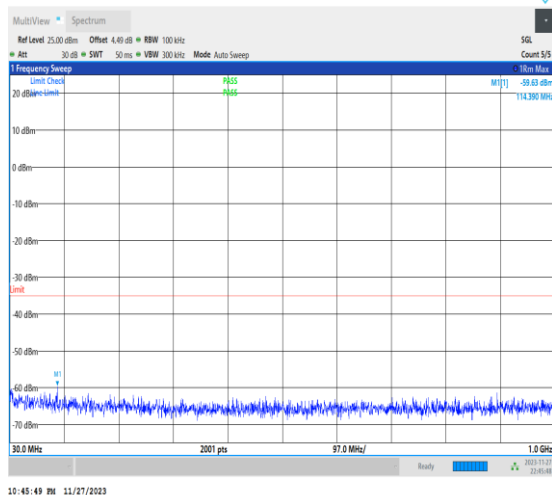
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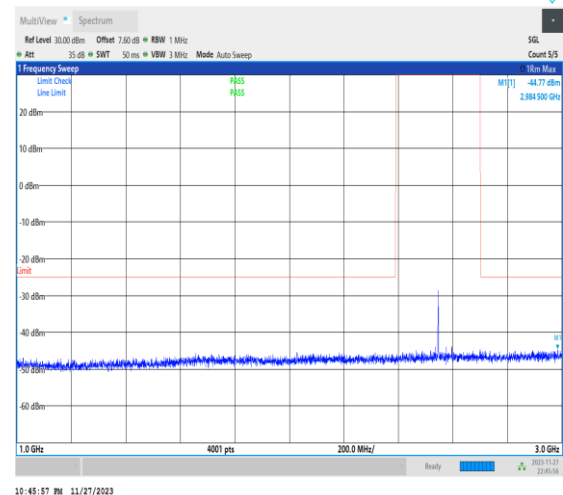
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1-N41-PC2-30-100-L-1-DFT-PI2BPSK-Inner_1RB_L
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1-N41-PC2-30-100-L-1-DFT-PI2BPSK-Inner_1RB_L
eft-1@1-1000-3000-Ant31-2815.00--44.77--25-PASS



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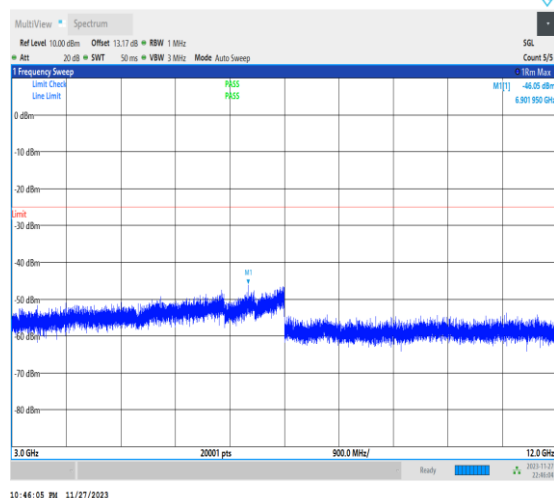
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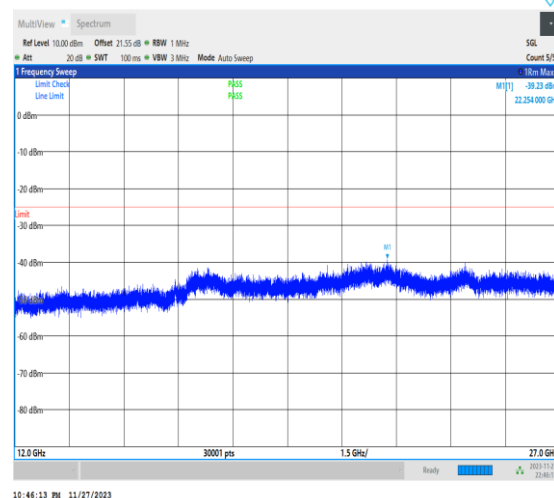
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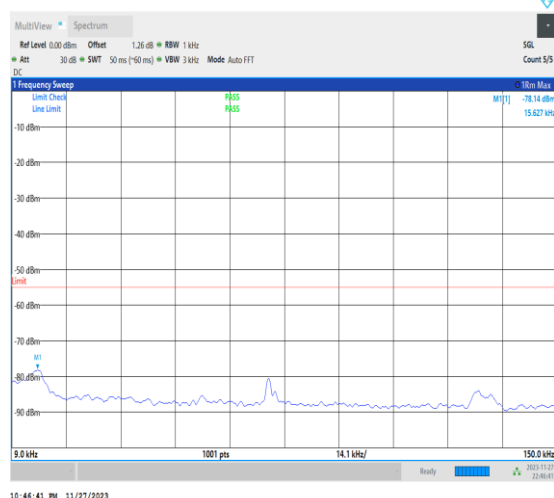
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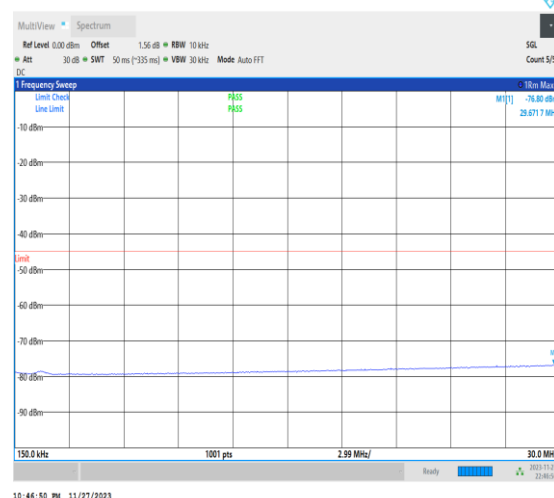
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ASS



1-N41-PC2-30-100-M-1-DFT-PI2BPSK-Inner_1RB_L
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1-N41-PC2-30-100-M-1-DFT-PI2BPSK-Inner_1RB_L
eft-1@1-0.15-30-Ant31-22.21--76.80--45-PASS



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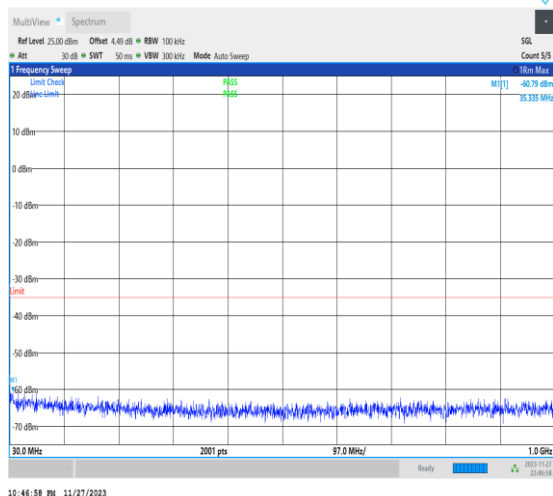
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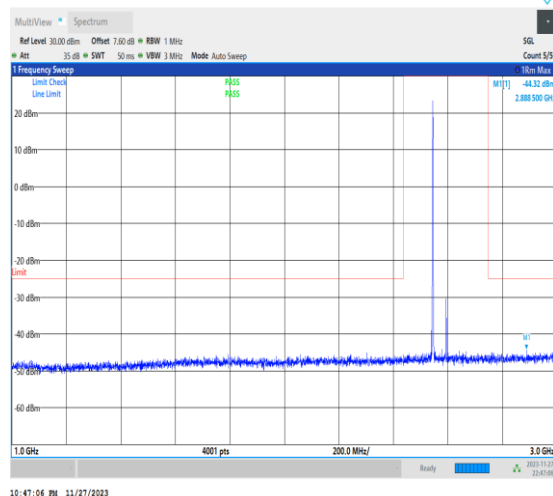
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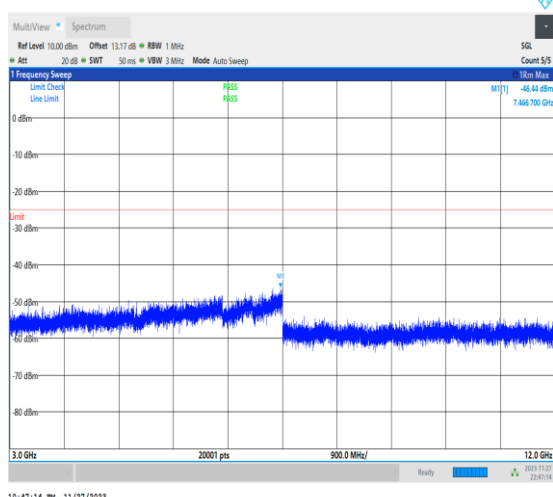
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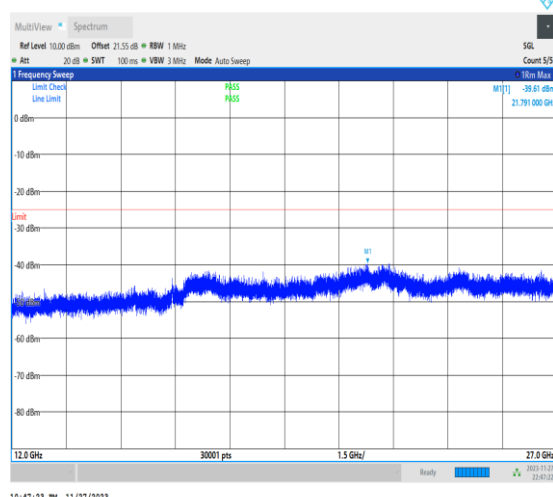
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1-N41-PC2-30-100-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-3000-12000-Ant31-10708.95--46.44--25-PASS



1-N41-PC2-30-100-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-12000-27000-Ant31-19587.50--39.61--25-PASS



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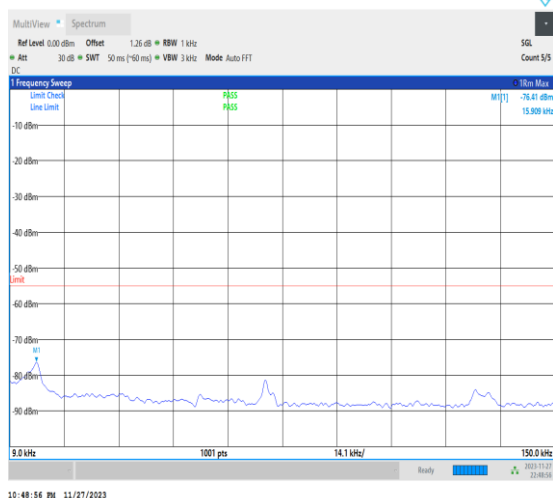
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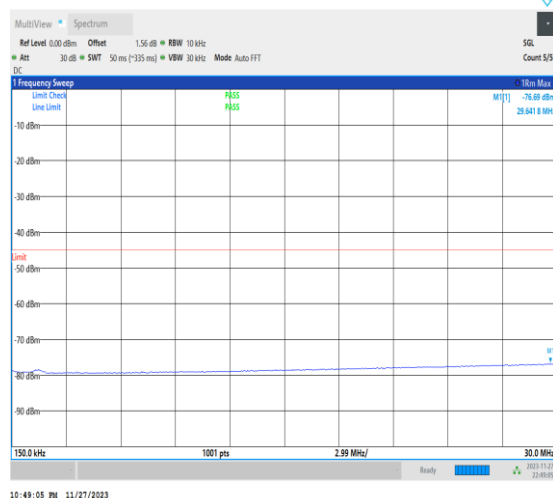
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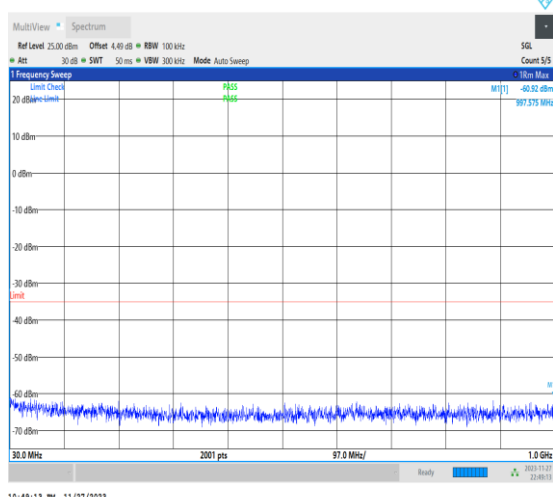
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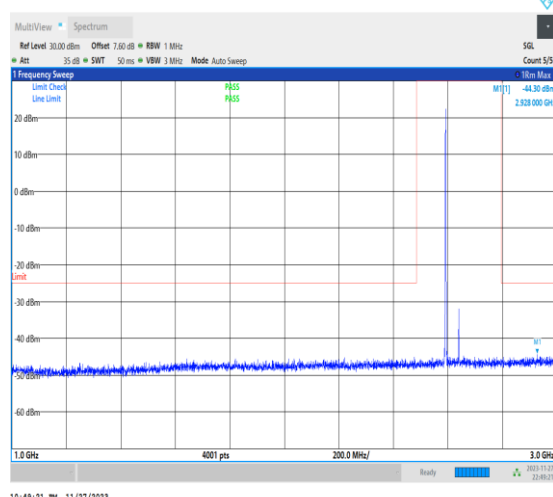
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1-N41-PC2-30-100-H-1-DFT-PI2BPSK-Inner_1RB_L
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1-N41-PC2-30-100-H-1-DFT-PI2BPSK-Inner_1RB_L
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1-N41-PC2-30-100-H-1-DFT-PI2BPSK-Inner_1RB_L
eft-1@1-1000-3000-Ant31-2849.50--44.30--25-PASS



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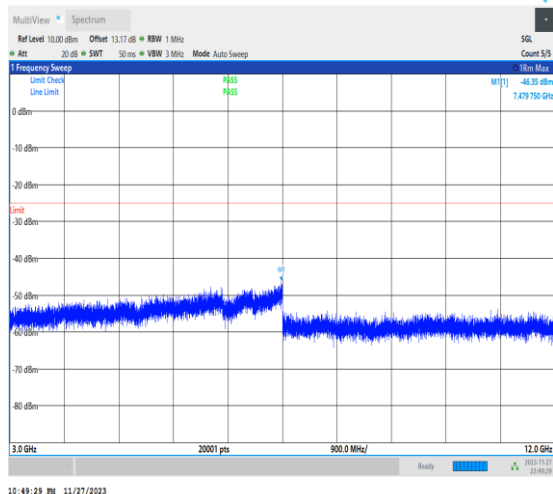
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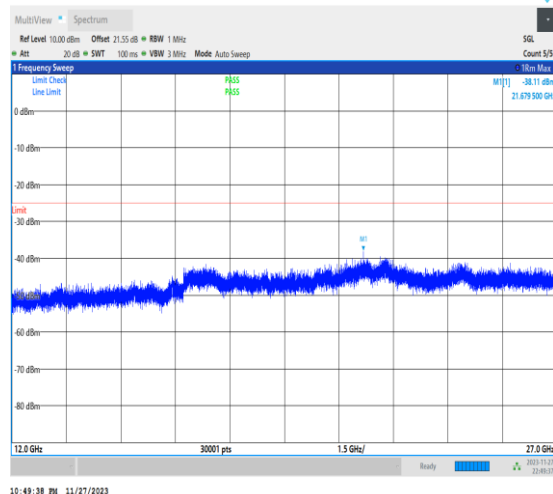
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1-N41-PC2-30-100-H-1-DFT-PI2BPSK-Inner_1RB_L
eft-1@1-3000-12000-Ant31-5182.95--46.35--25-PAS

S



1-N41-PC2-30-100-H-1-DFT-PI2BPSK-Inner_1RB_L
eft-1@1-12000-27000-Ant31-17149.00--38.11--25-P

ASS



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

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Field Strength of Spurious Radiation

Test Band = SA Band41_ 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	5002.2000	39.32	-45.63	31.41	-70.17	-25.00	45.17	Horizontal
2	7503.3000	37.57	-43.13	36.60	-64.22	-25.00	39.22	Horizontal
3	10004.4000	31.27	-39.23	38.20	-65.02	-25.00	40.02	Horizontal
4	12505.5000	25.47	-36.99	38.95	-67.83	-25.00	42.83	Horizontal
5	15006.6000	23.10	-34.65	41.29	-65.53	-25.00	40.53	Horizontal
6	17507.7000	25.88	-34.95	44.59	-59.74	-25.00	34.74	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5002.2000	40.93	-45.63	31.41	-68.56	-25.00	43.56	Vertical
2	7503.3000	38.03	-43.13	36.60	-63.76	-25.00	38.76	Vertical
3	10004.4000	31.22	-39.23	38.20	-65.07	-25.00	40.07	Vertical
4	12505.5000	25.05	-36.99	38.95	-68.25	-25.00	43.25	Vertical
5	15006.6000	22.97	-34.65	41.29	-65.66	-25.00	40.66	Vertical
6	17507.7000	25.61	-34.95	44.59	-60.01	-25.00	35.01	Vertical



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Test Band = SA Band41_ 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	5096.1600	39.74	-45.38	31.63	-69.27	-25.00	44.27	Horizontal
2	7644.2400	37.52	-43.01	36.66	-64.10	-25.00	39.10	Horizontal
3	10192.3200	29.86	-39.47	38.30	-66.58	-25.00	41.58	Horizontal
4	12740.4000	25.71	-36.74	39.02	-67.27	-25.00	42.27	Horizontal
5	15288.4800	23.80	-34.36	40.69	-65.13	-25.00	40.13	Horizontal
6	17836.5600	27.68	-34.59	46.07	-56.10	-25.00	31.10	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5096.1600	40.42	-45.38	31.63	-68.59	-25.00	43.59	Vertical
2	7644.2400	37.92	-43.01	36.66	-63.70	-25.00	38.70	Vertical
3	10192.3200	30.08	-39.47	38.30	-66.36	-25.00	41.36	Vertical
4	12740.4000	25.92	-36.74	39.02	-67.06	-25.00	42.06	Vertical
5	15288.4800	24.41	-34.36	40.69	-64.52	-25.00	39.52	Vertical
6	17836.5600	27.96	-34.59	46.07	-55.82	-25.00	30.82	Vertical



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Test Band = SA Band41_ 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	5190.1800	39.73	-45.29	31.86	-68.96	-25.00	43.96	Horizontal
2	7785.2700	37.06	-42.43	36.71	-63.91	-25.00	38.91	Horizontal
3	10380.3600	30.56	-39.03	38.39	-65.34	-25.00	40.34	Horizontal
4	11152	31.04	-37.67	38.72	-63.17	-25.00	38.17	Horizontal
5	12975.4500	26.20	-37.28	39.09	-67.24	-25.00	42.24	Horizontal
6	15570.5400	23.07	-35.08	40.10	-67.17	-25.00	42.17	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5190.1800	41.24	-45.29	31.86	-67.45	-25.00	42.45	Vertical
2	7785.2700	37.47	-42.43	36.71	-63.50	-25.00	38.50	Vertical
3	10380.3600	31.47	-39.03	38.39	-64.43	-25.00	39.43	Vertical
4	11234	30.60	-37.40	38.72	-63.34	-25.00	38.34	Vertical
5	12975.4500	25.92	-37.28	39.09	-67.52	-25.00	42.52	Vertical
6	15570.5400	24.04	-35.08	40.10	-66.20	-25.00	41.20	Vertical



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Test Band = NSA 4A_N41A_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	4132	42.27	-45.76	29.42	-69.34	-25.00	44.34	Horizontal
2	5719	41.37	-44.83	32.64	-66.08	-25.00	41.08	Horizontal
3	7562.5	39.36	-43.01	36.63	-62.28	-25.00	37.28	Horizontal
4	9016.5	37.08	-40.89	36.33	-62.74	-25.00	37.74	Horizontal
5	11442.5	30.40	-37.34	38.74	-63.46	-25.00	38.46	Horizontal
6	13885.5	27.94	-35.59	40.69	-62.21	-25.00	37.21	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4487	42.81	-45.72	30.27	-67.91	-25.00	42.91	Vertical
2	6727	41.04	-43.91	34.71	-63.42	-25.00	38.42	Vertical
3	8400	38.24	-41.45	36.60	-61.87	-25.00	36.87	Vertical
4	10674.5	31.51	-38.03	38.54	-63.24	-25.00	38.24	Vertical
5	13629	28.01	-36.10	40.23	-63.12	-25.00	38.12	Vertical
6	14481	27.16	-34.83	41.09	-61.84	-25.00	36.84	Vertical



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Test Band = NSA 4A_N41A_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	4274.5	42.19	-45.60	29.76	-68.91	-25.00	43.91	Horizontal
2	5418	41.73	-45.29	32.40	-66.42	-25.00	41.42	Horizontal
3	6794.5	40.97	-44.15	34.83	-63.61	-25.00	38.61	Horizontal
4	8034.5	38.15	-42.01	36.78	-62.34	-25.00	37.34	Horizontal
5	10114.5	33.05	-39.18	38.26	-63.13	-25.00	38.13	Horizontal
6	15154	26.91	-34.39	40.98	-61.77	-25.00	36.77	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4451	42.43	-45.76	30.18	-68.41	-25.00	43.41	Vertical
2	6081.5	41.55	-44.52	32.96	-65.27	-25.00	40.27	Vertical
3	7645	39.81	-43.02	36.66	-61.81	-25.00	36.81	Vertical
4	9527.5	35.41	-40.08	37.30	-62.62	-25.00	37.62	Vertical
5	12301	28.68	-37.41	38.89	-65.10	-25.00	40.10	Vertical
6	14393.5	27.02	-34.89	41.06	-62.07	-25.00	37.07	Vertical



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Test Band = NSA 4A_N41A_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	4243.5	42.92	-45.67	29.68	-68.33	-25.00	43.33	Horizontal
2	5379.5	41.76	-45.26	32.31	-66.45	-25.00	41.45	Horizontal
3	7836.5	38.96	-42.50	36.73	-62.06	-25.00	37.06	Horizontal
4	8939.5	37.14	-41.15	36.33	-62.93	-25.00	37.93	Horizontal
5	12799	28.38	-36.83	39.04	-64.67	-25.00	39.67	Horizontal
6	14441.5	26.76	-34.82	41.08	-62.24	-25.00	37.24	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4103	42.81	-45.76	29.35	-68.86	-25.00	43.86	Vertical
2	5548	42.58	-45.16	32.61	-65.23	-25.00	40.23	Vertical
3	6830	41.27	-44.15	34.89	-63.25	-25.00	38.25	Vertical
4	8413	39.19	-41.47	36.59	-60.95	-25.00	35.95	Vertical
5	10026	33.15	-39.21	38.21	-63.11	-25.00	38.11	Vertical
6	12712	28.20	-36.70	39.01	-64.74	-25.00	39.74	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

2) All antennas of RSE are tested, and only the worst data is presented.



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Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N41	30	100	DFT-PI2BPSK	M	Outer_Full	VH	NT	-1.300000	-0.000562	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	VN	NT	-0.600000	-0.000068	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	VL	NT	-1.300000	-0.000357	PASS
N41	30	100	CP-QPSK	M	Outer_Full	VH	NT	-1.400000	-0.000672	PASS
N41	30	100	CP-QPSK	M	Outer_Full	VN	NT	-1.600000	-0.000522	PASS
N41	30	100	CP-QPSK	M	Outer_Full	VL	NT	-7.500000	-0.002823	PASS

Frequency Error VS. Temperature

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-30	-0.600000	-0.000154	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-20	-0.900000	-0.000124	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-10	-1.500000	-0.000285	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	0	-2.600000	-0.000342	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	10	-0.800000	-0.000265	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	20	0.900000	0.000141	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	30	-1.200000	-0.000613	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	40	2.800000	0.000652	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	50	0.900000	0.000133	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	-30	-7.800000	-0.002826	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	-20	2.700000	0.000859	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	-10	-2.700000	-0.001024	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	0	-1.600000	-0.000524	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	10	-7.600000	-0.002836	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	20	-2.500000	-0.001024	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	30	-7.100000	-0.002813	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	40	-1.500000	-0.000642	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	50	1.800000	0.000624	PASS

---End of Attachment---



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