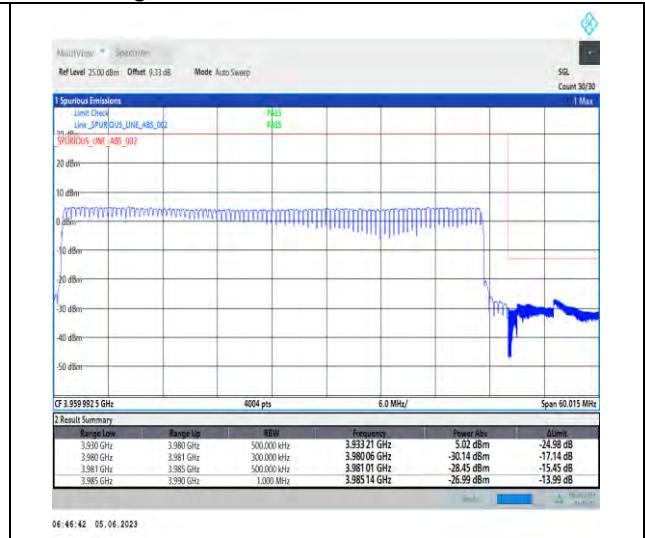




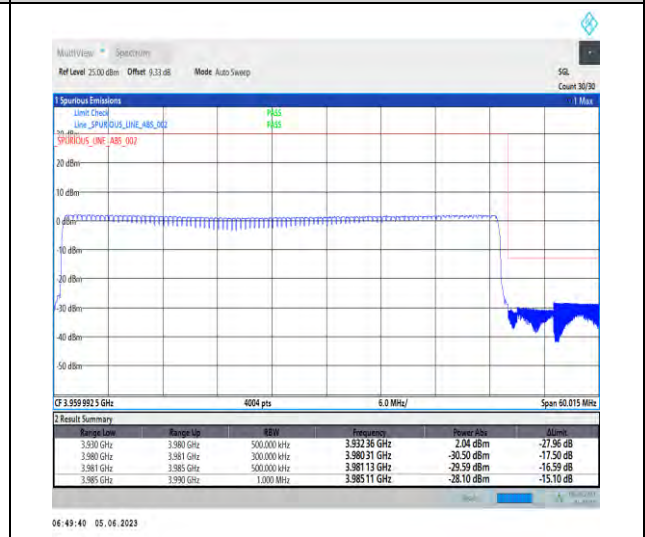
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1-N77-3700-3980-PC3-30-50-H-3-DFT-PI2BPSK-Outer_Full-128@0-Ant1-1--PASS-see graph



1-N77-3700-3980-PC3-30-50-H-5-CP-QPSK-Edge_1RB_Right-1@132-Ant1-1--PASS-see graph

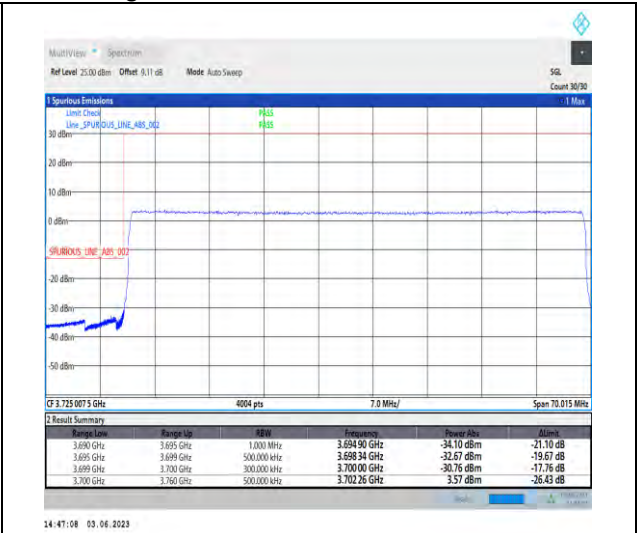


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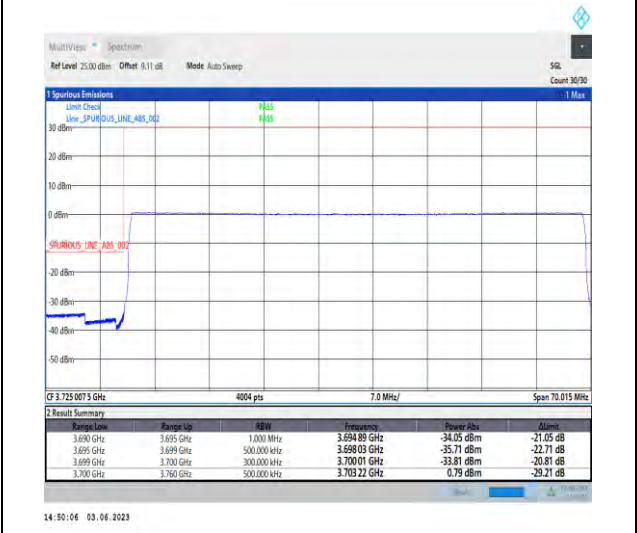
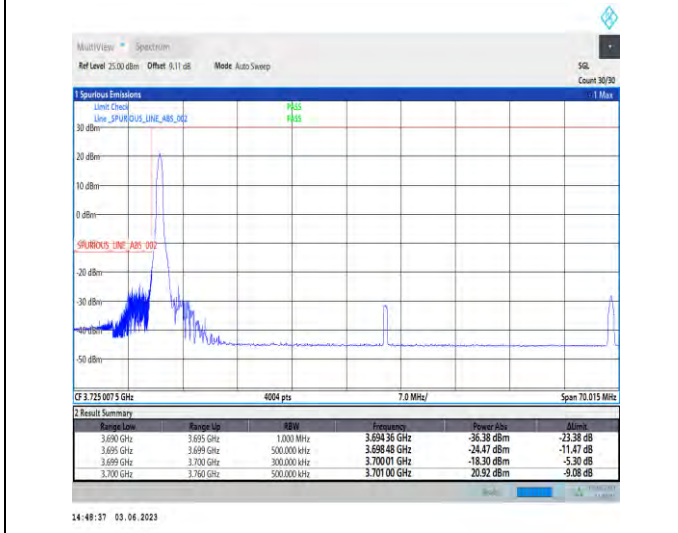
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1-N77-3700-3980-PC3-30-60-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

1-N77-3700-3980-PC3-30-60-L-3-DFT-PI2BPSK-Outer_Full-162@0-Ant1-1--PASS-see graph



1-N77-3700-3980-PC3-30-60-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

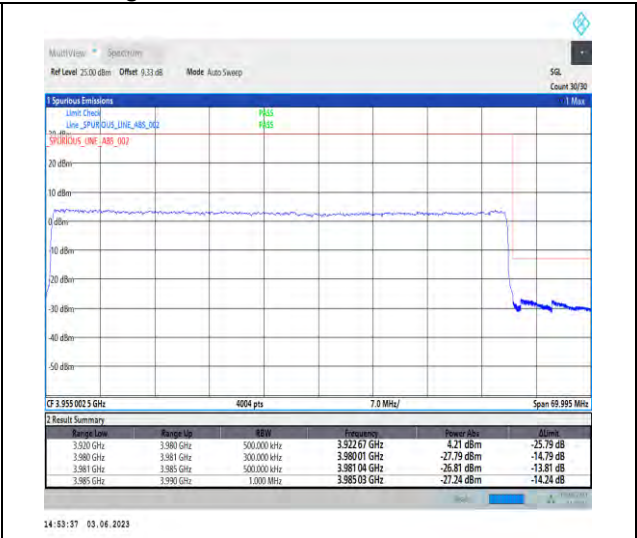
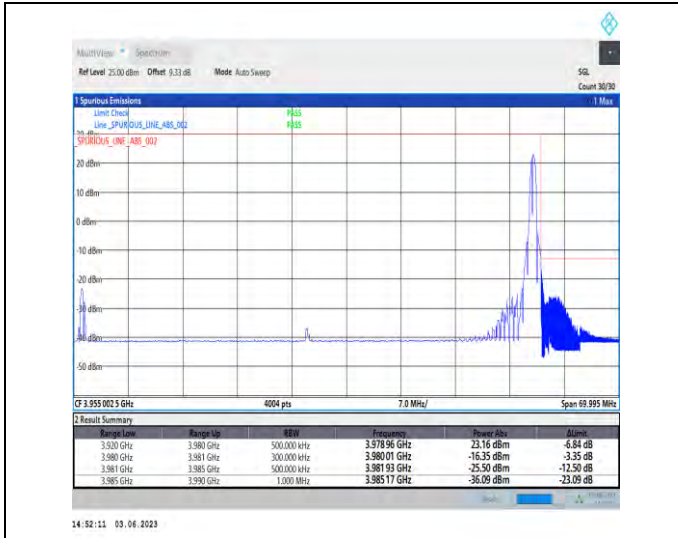
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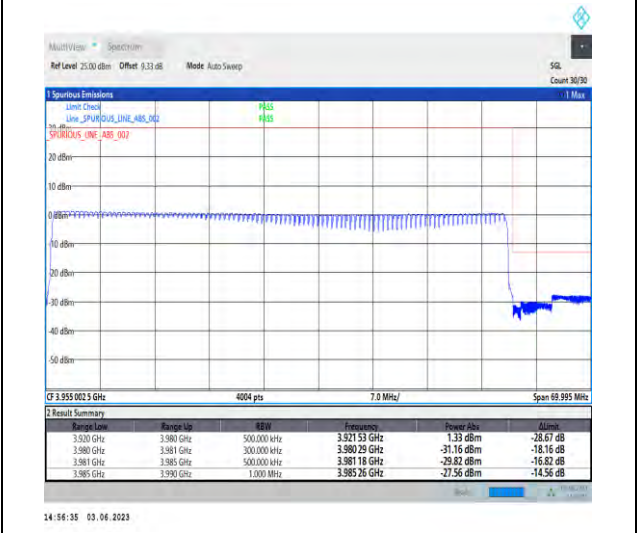
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1-N77-3700-3980-PC3-30-60-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@161-Ant1-1--PASS-see graph

1-N77-3700-3980-PC3-30-60-H-3-DFT-PI2BPSK-Outer_Full-162@0-Ant1-1--PASS-see graph



1-N77-3700-3980-PC3-30-60-H-5-CP-QPSK-Edge_1RB_Right-1@161-Ant1-1--PASS-see graph

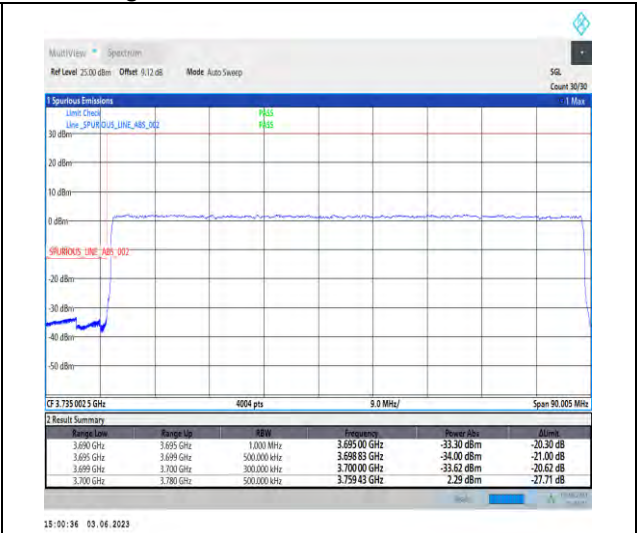
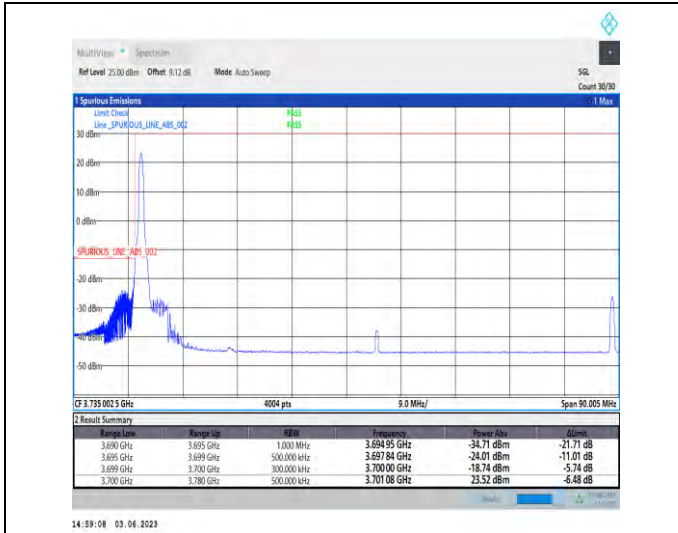
1-N77-3700-3980-PC3-30-60-H-6-CP-QPSK-Outer_Full-162@0-Ant1-1--PASS-see graph



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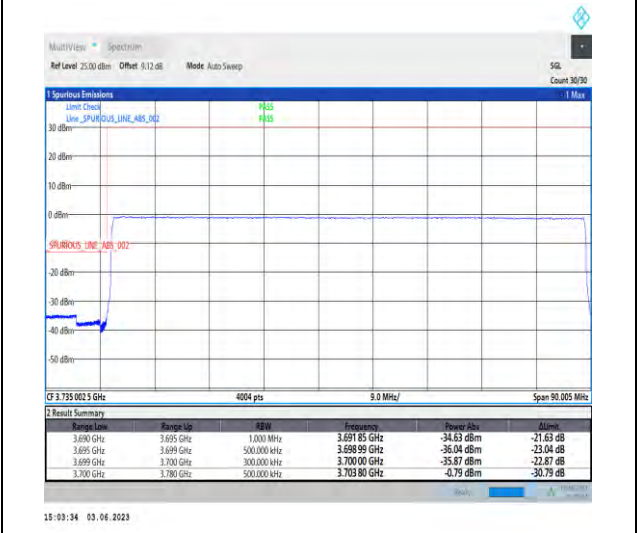
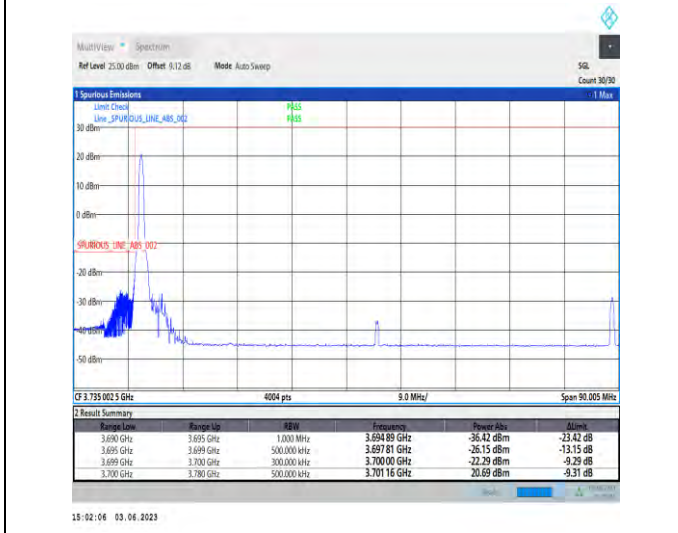
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1-N77-3700-3980-PC3-30-80-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

1-N77-3700-3980-PC3-30-80-L-3-DFT-PI2BPSK-Outer_Full-216@0-Ant1-1--PASS-see graph



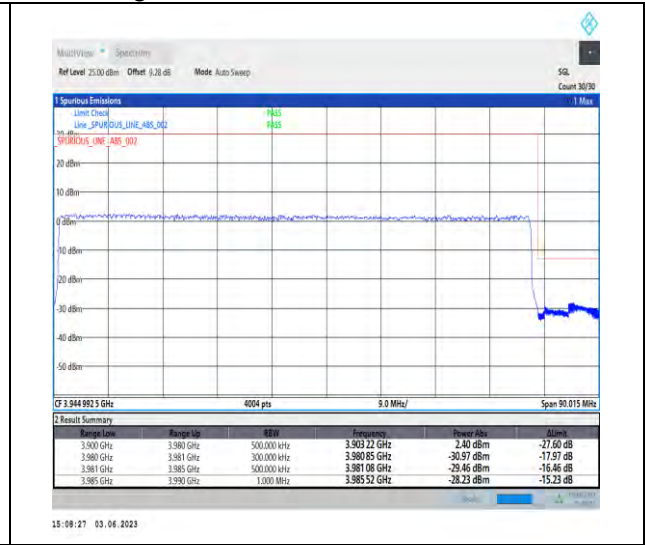
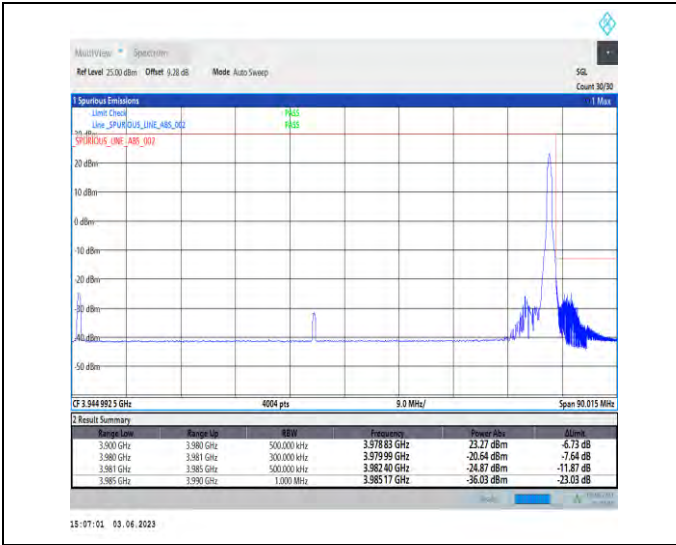
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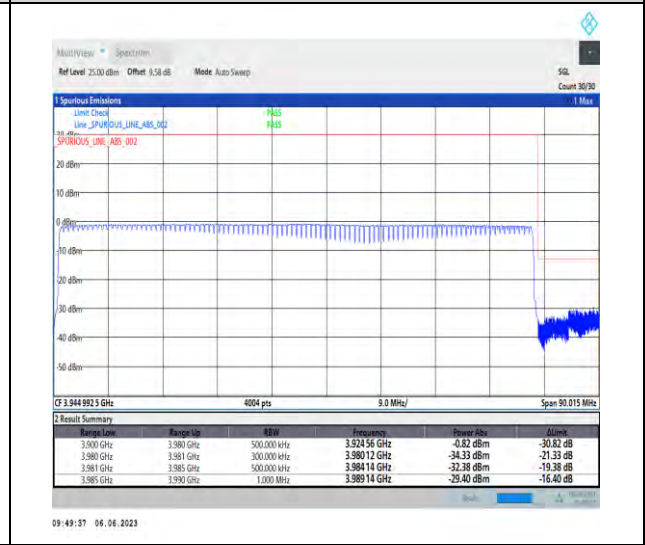
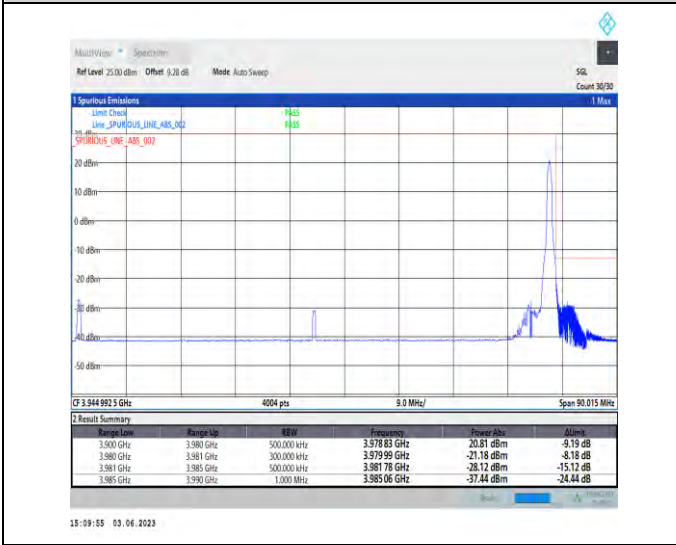
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1-N77-3700-3980-PC3-30-80-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@216-Ant1-1--PASS-see graph

1-N77-3700-3980-PC3-30-80-H-3-DFT-PI2BPSK-Outer_Full-216@0-Ant1-1--PASS-see graph



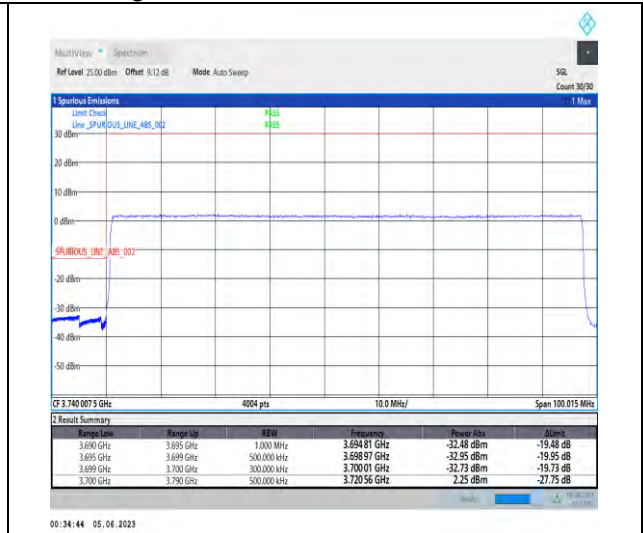
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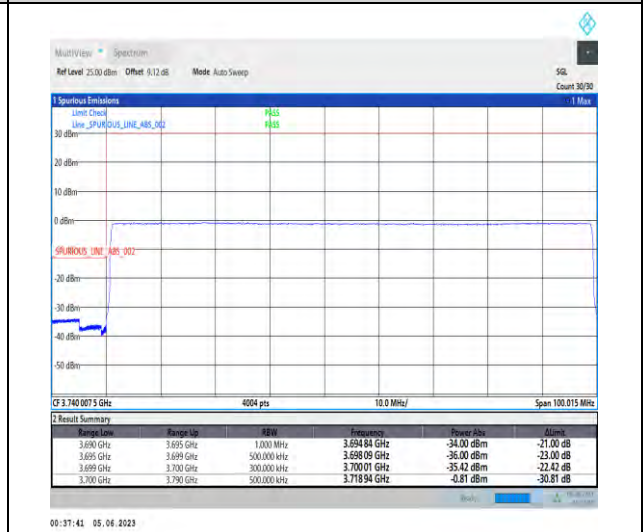
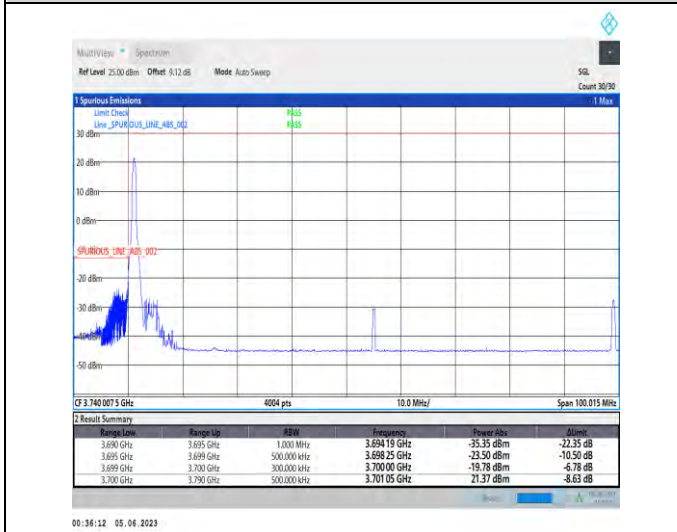
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1-N77-3700-3980-PC3-30-90-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

1-N77-3700-3980-PC3-30-90-L-3-DFT-PI2BPSK-Outer_Full-240@0-Ant1-1--PASS-see graph



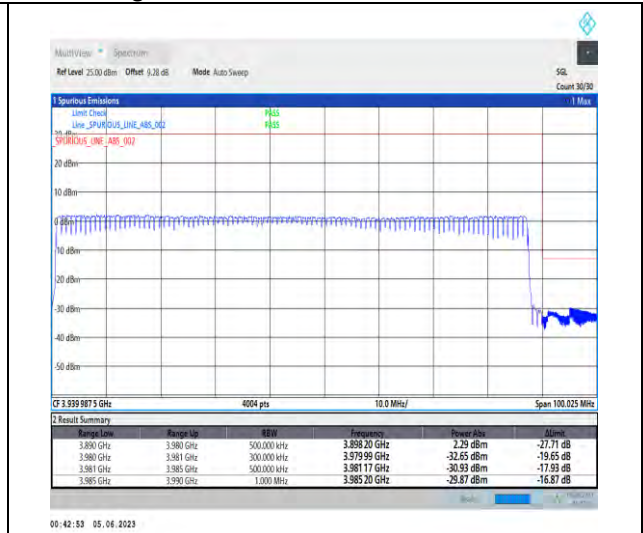
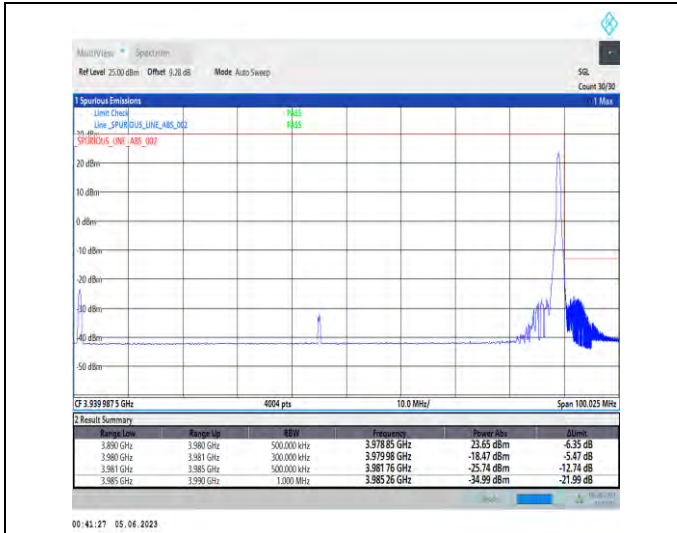
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1-N77-3700-3980-PC3-30-90-L-6-CP-QPSK-Outer_Full-245@0-Ant1-1--PASS-see graph



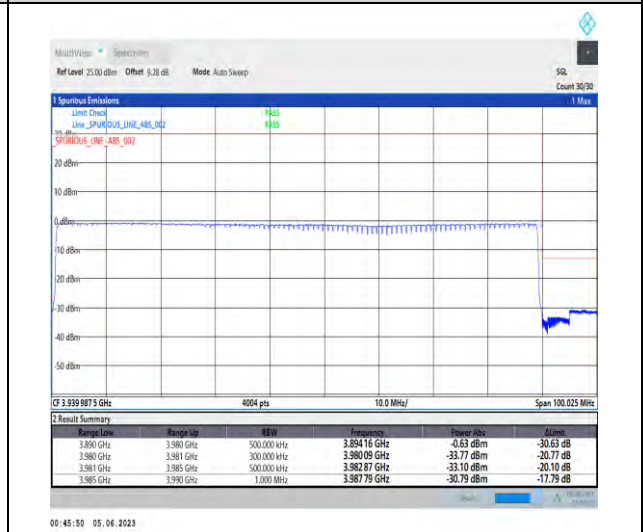
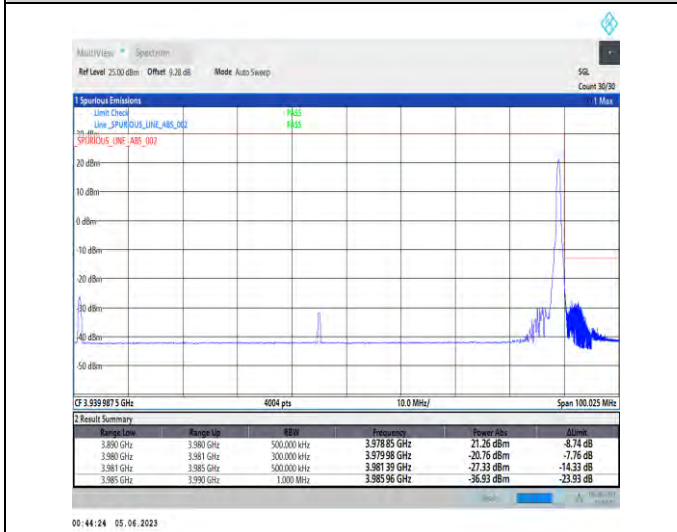
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1-N77-3700-3980-PC3-30-90-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@244-Ant1-1--PASS-see graph

1-N77-3700-3980-PC3-30-90-H-3-DFT-PI2BPSK-Outer_Full-240@0-Ant1-1--PASS-see graph



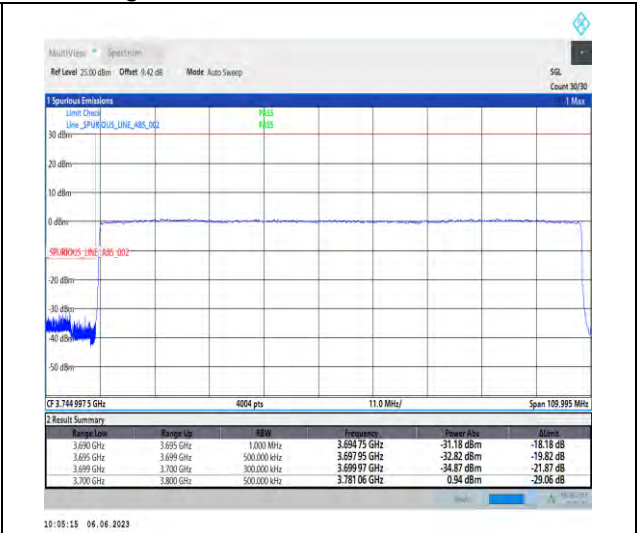
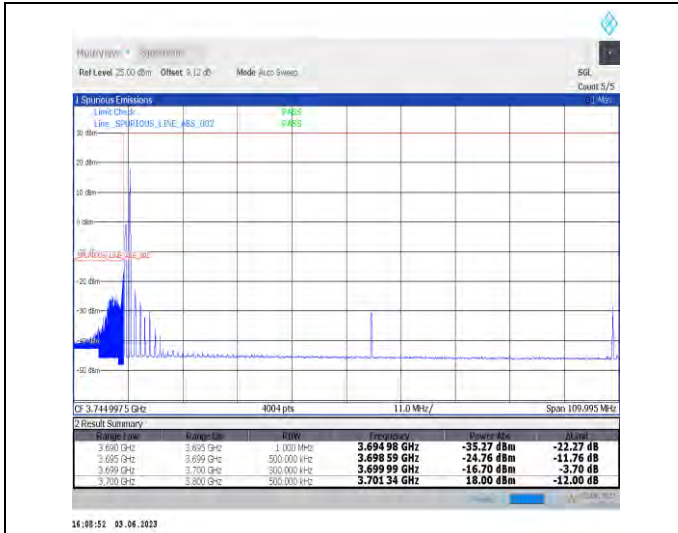
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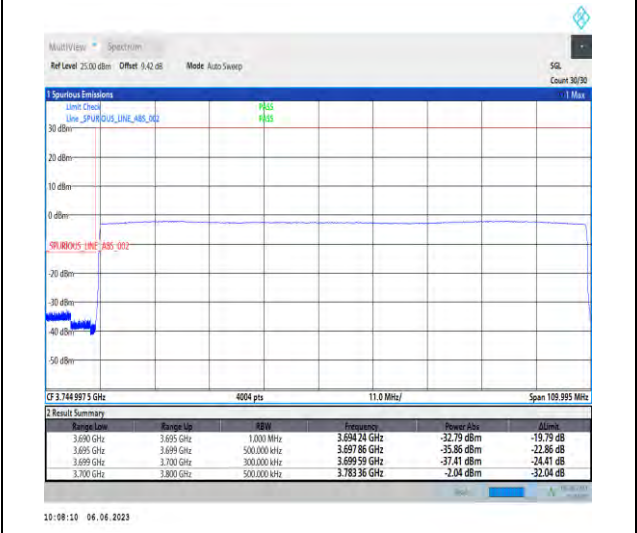
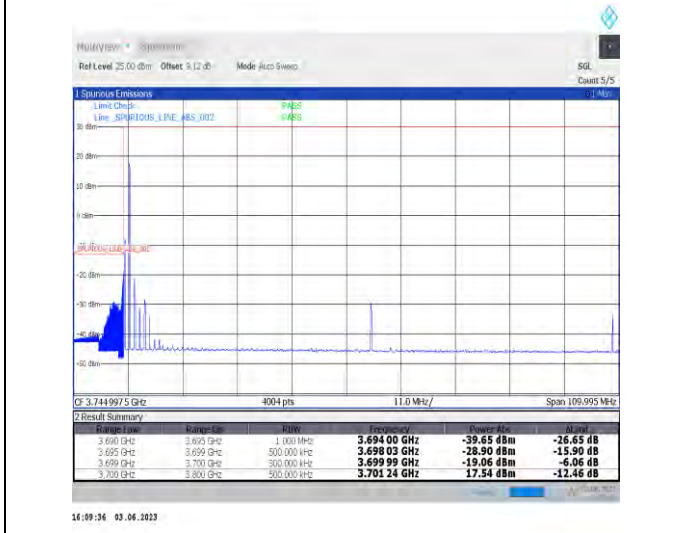
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1-N77-3700-3980-PC3-30-100-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

1-N77-3700-3980-PC3-30-100-L-3-DFT-PI2BPSK-Outer_Full-270@0-Ant1-1--PASS-see graph



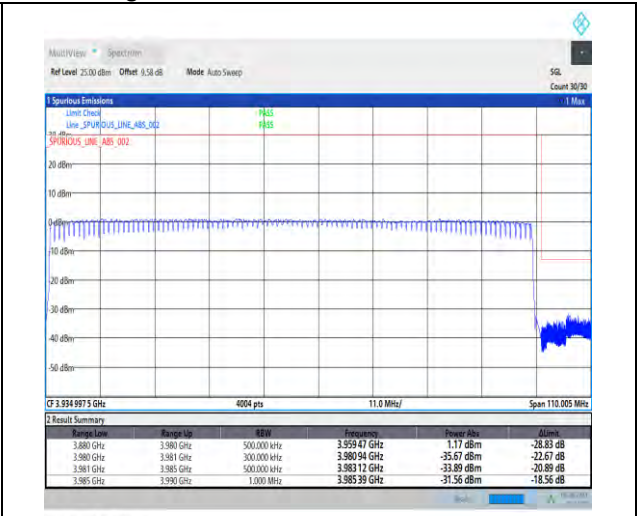
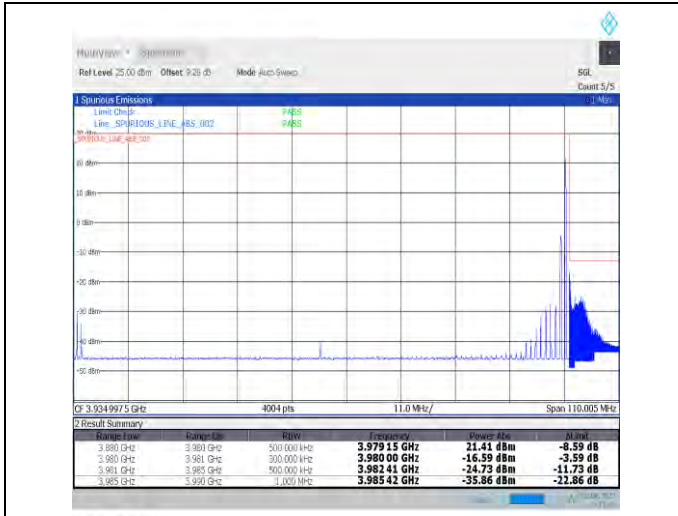
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1-N77-3700-3980-PC3-30-100-L-6-CP-QPSK-Outer_Full-273@0-Ant1-1--PASS-see graph



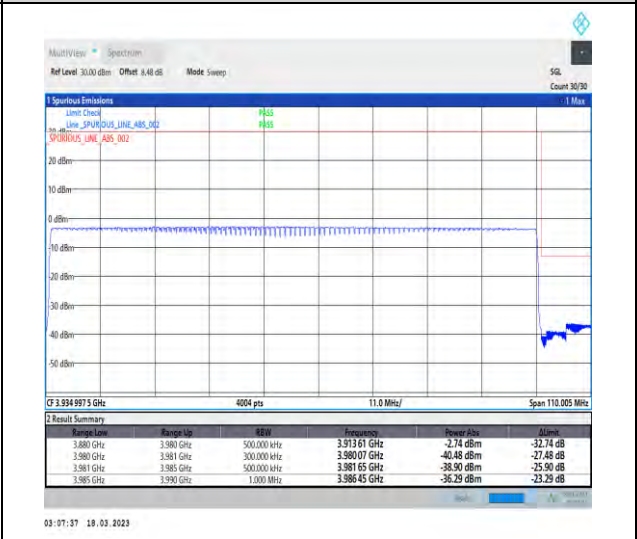
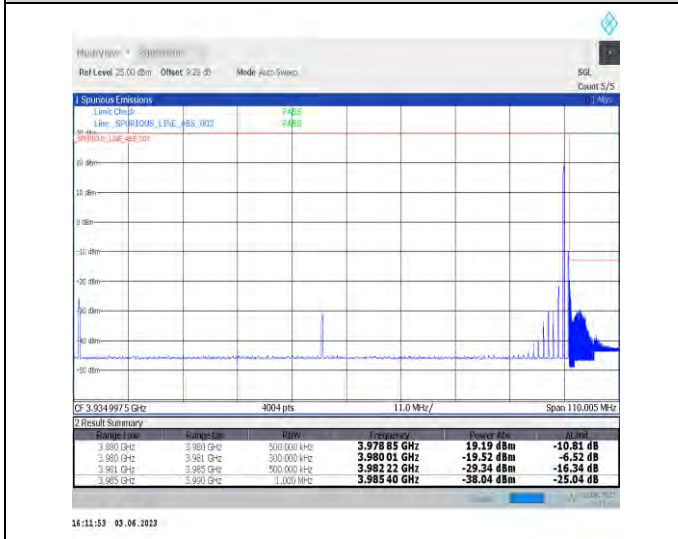
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1-N77-3700-3980-PC3-30-100-H-3-DFT-PI2BPSK-Outer_Full-270@0-Ant1-1--PASS-see graph



1-N77-3700-3980-PC3-30-100-H-5-CP-QPSK-Edge_1RB_Right-1@272-Ant1-1--PASS-see graph

1-N77-3700-3980-PC3-30-100-H-6-CP-QPSK-Outer_Full-273@0-Ant1-1--PASS-see graph



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Conducted Spurious Emission for SA

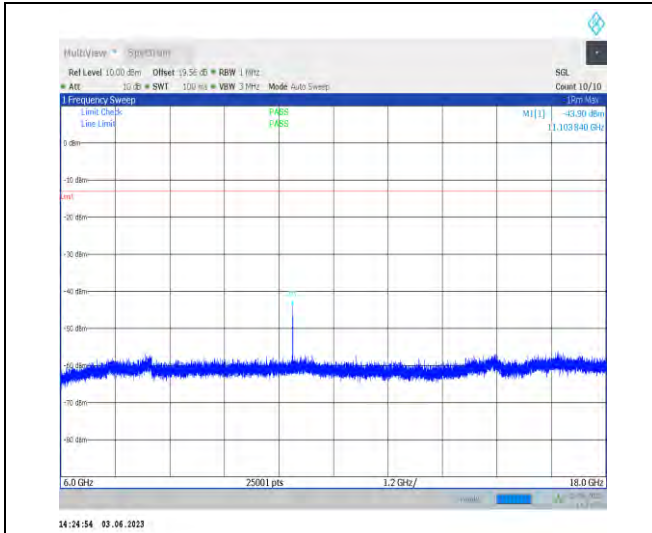
Test Graphs

<p>1-N77-3700-3980-PC3-30-100-L-1-N/A-DFT-PI2BPS K-Inner_1RB_Left-1@1-0.009-0.15-Ant1-0.02--71.68 --43-PASS</p>	<p>1-N77-3700-3980-PC3-30-100-L-1-N/A-DFT-PI2BPS K-Inner_1RB_Left-1@1-0.15-30-Ant1-0.30--83.83--3 3-PASS</p>
<p>1-N77-3700-3980-PC3-30-100-L-1-N/A-DFT-PI2BPS K-Inner_1RB_Left-1@1-30-1000-Ant1-546.53--69.20 --13-PASS</p>	<p>1-N77-3700-3980-PC3-30-100-L-1-N/A-DFT-PI2BPS K-Inner_1RB_Left-1@1-1000-6000-Ant1-3441.00--3 9.09--13-PASS</p>

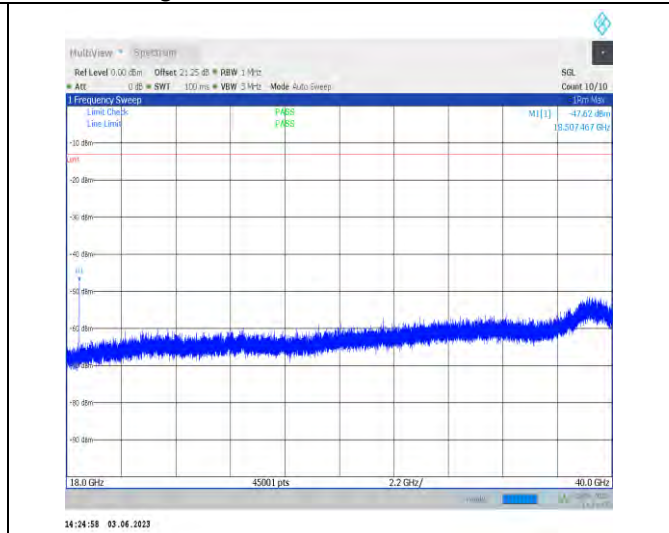


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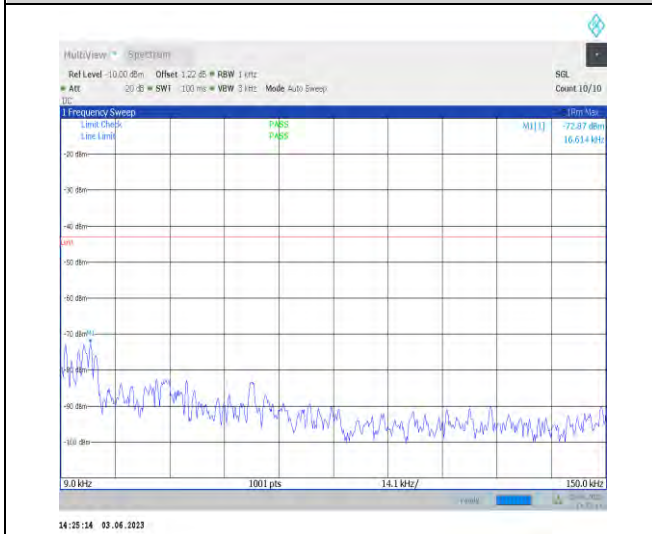
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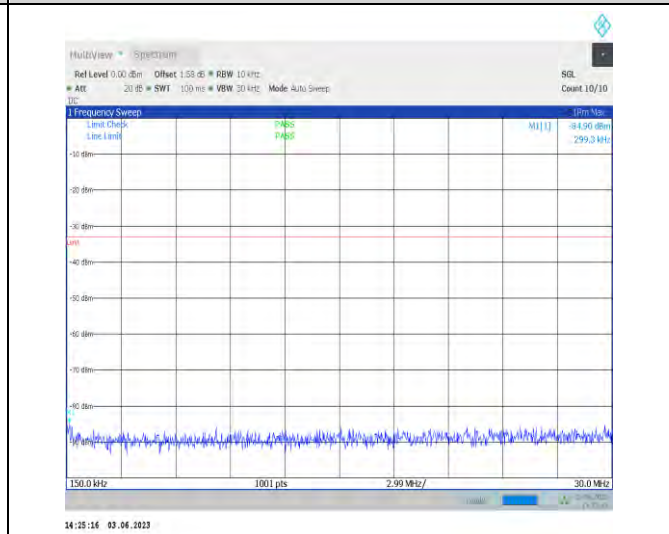
1-N77-3700-3980-PC3-30-100-L-1-N/A-DFT-PI2BPS
K-Inner_1RB_Left-1@1-6000-18000-Ant1-11103.84-
-43.90--13-PASS



1-N77-3700-3980-PC3-30-100-L-1-N/A-DFT-PI2BPS
K-Inner_1RB_Left-1@1-18000-40000-Ant1-18507.47
--47.62--13-PASS



1-N77-3700-3980-PC3-30-100-M-1-N/A-DFT-PI2BP
SK-Inner_1RB_Left-1@1-0.009-0.15-Ant1-0.02--72.
87--43-PASS



1-N77-3700-3980-PC3-30-100-M-1-N/A-DFT-PI2BPS
K-Inner_1RB_Left-1@1-0.15-30-Ant1-0.30--84.90--3
3-PASS

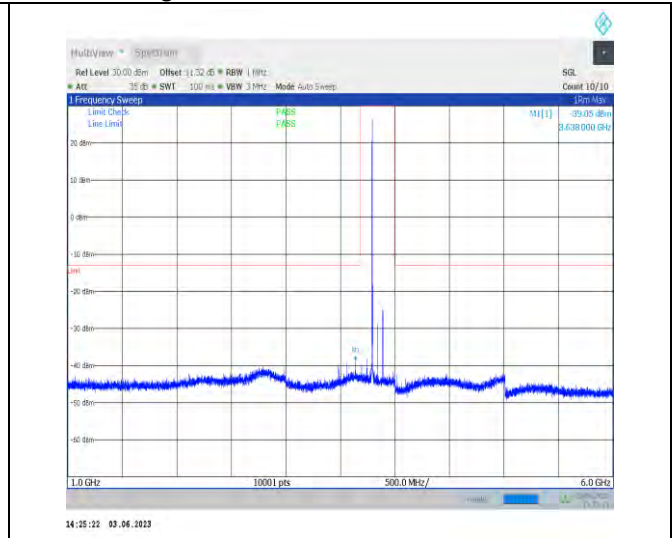


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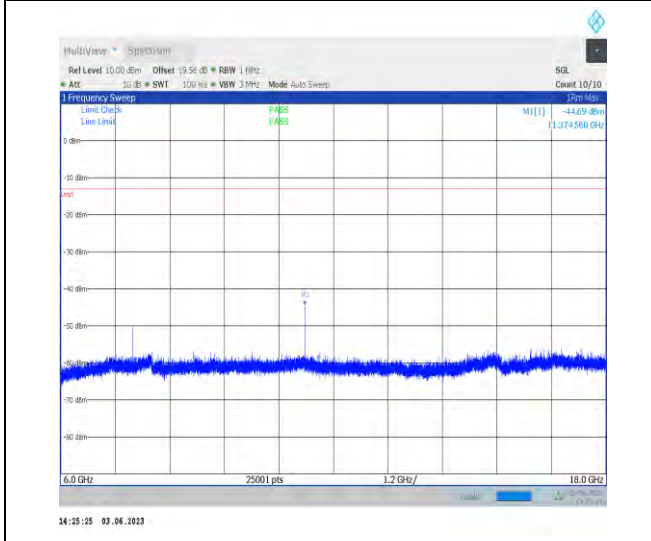
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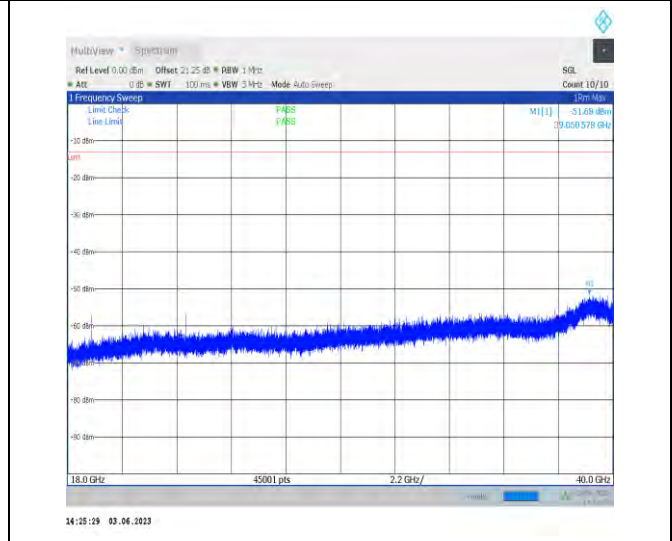
1-N77-3700-3980-PC3-30-100-M-1-N/A-DFT-PI2BP
SK-Inner_1RB_Left-1@1-30-1000-Ant1-609.09--69.10-13-PASS



1-N77-3700-3980-PC3-30-100-M-1-N/A-DFT-PI2BPS
K-Inner_1RB_Left-1@1-1000-6000-Ant1-3638.00--3.638000 GHz-9.05-13-PASS



1-N77-3700-3980-PC3-30-100-M-1-N/A-DFT-PI2BP
SK-Inner_1RB_Left-1@1-6000-18000-Ant1-11374.56-44.69-13-PASS

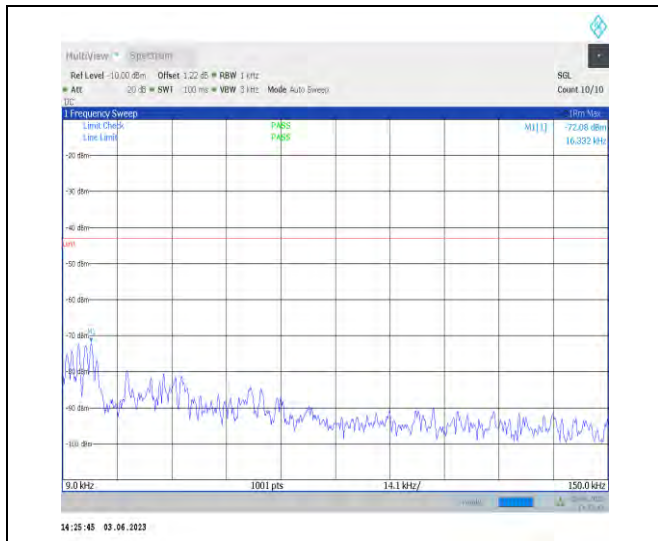


1-N77-3700-3980-PC3-30-100-M-1-N/A-DFT-PI2BPS
K-Inner_1RB_Left-1@1-18000-40000-Ant1-39050.58-51.68-13-PASS

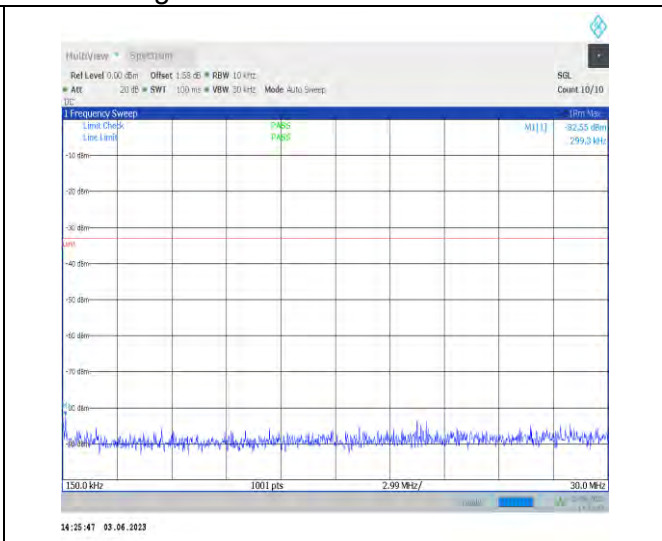


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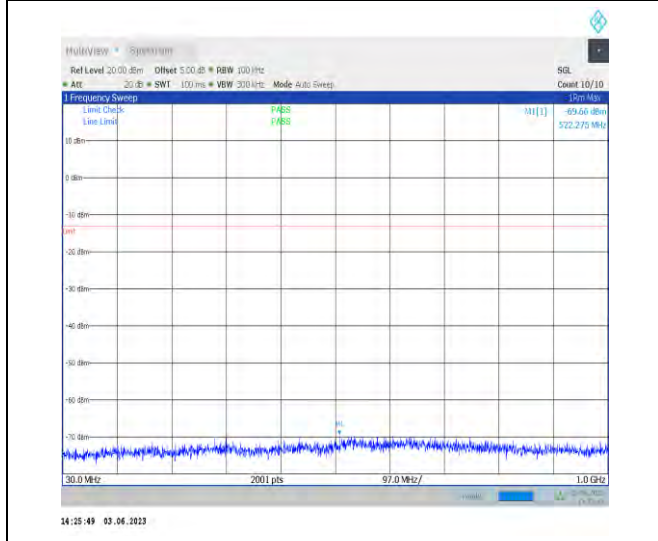
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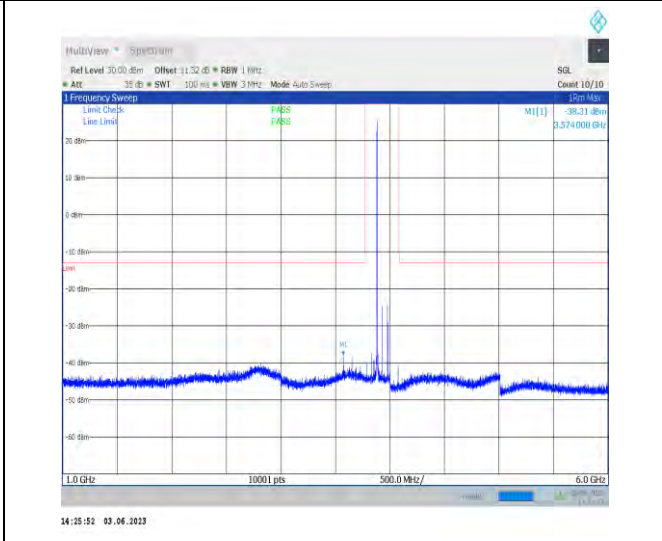
1-N77-3700-3980-PC3-30-100-H-1-N/A-DFT-PI2BP
 SK-Inner_1RB_Left-1@1-0.009-0.15-Ant1-0.02--72.
 08--43-PASS



1-N77-3700-3980-PC3-30-100-H-1-N/A-DFT-PI2BPS
 K-Inner_1RB_Left-1@1-0.15-30-Ant1-0.30--82.55--3
 3-PASS



1-N77-3700-3980-PC3-30-100-H-1-N/A-DFT-PI2BP
 SK-Inner_1RB_Left-1@1-30-1000-Ant1-522.28--69.
 66--13-PASS

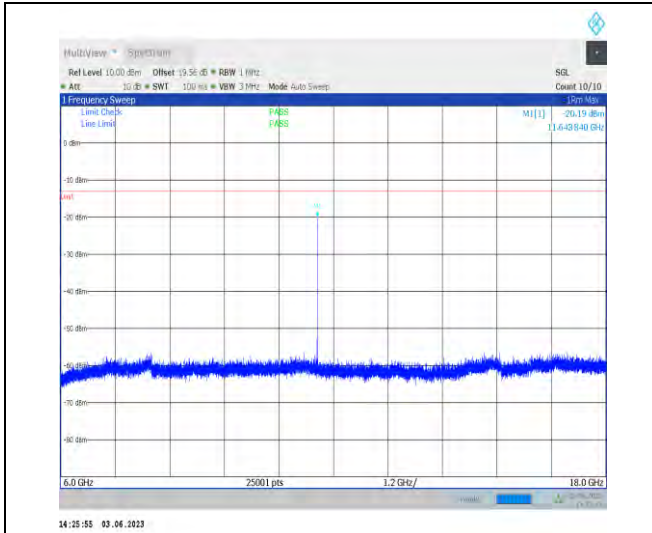


1-N77-3700-3980-PC3-30-100-H-1-N/A-DFT-PI2BPS
 K-Inner_1RB_Left-1@1-1000-6000-Ant1-3574.00--3
 8.31--13-PASS

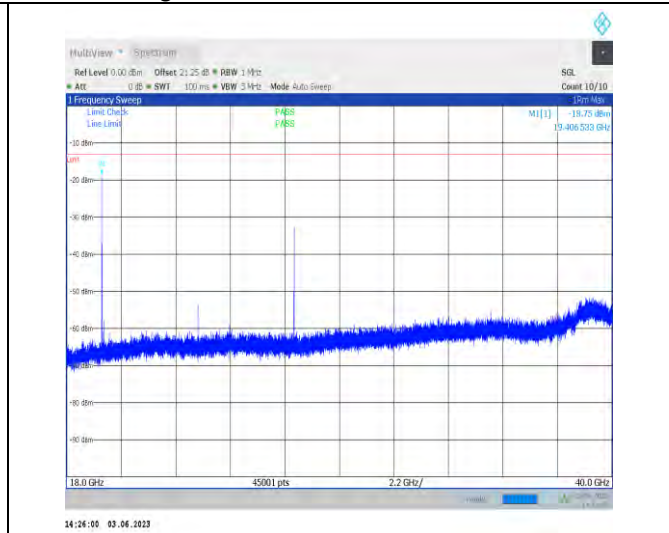


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1-N77-3700-3980-PC3-30-100-H-1-N/A-DFT-PI2BP
SK-Inner_1RB_Left-1@1-6000-18000-Ant1-11643.8
4--20.19--13-PASS



1-N77-3700-3980-PC3-30-100-H-1-N/A-DFT-PI2BPS
K-Inner_1RB_Left-1@1-18000-40000-Ant1-19406.53
--18.75--13-PASS



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Field Strength of Spurious Radiation

Test Band = SA n77_100MHz_TM1

Test Channel = Low3700-3980 ANT3

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7310.1800	39.86	-43.27	36.07	-62.60	-13.00	49.60	255	179	Horizontal
2	8409.575	39.54	-41.41	36.60	-60.54	-13.00	47.54	144	225	Horizontal
3	9410.075	36.41	-39.92	37.08	-61.69	-13.00	48.69	140	360	Horizontal
4	10965.2700	31.26	-37.67	38.68	-62.98	-13.00	49.98	170	4	Horizontal
5	12820.4	30.35	-36.67	39.05	-62.53	-13.00	49.53	159	60	Horizontal
6	14620.3600	27.85	-35.23	41.15	-61.49	-13.00	48.49	192	239	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7310.1800	39.07	-43.27	36.07	-63.39	-13.00	50.39	266	239	Vertical
2	8407.85	39.74	-41.40	36.60	-60.33	-13.00	47.33	126	301	Vertical
3	10015.55	34.84	-39.27	38.21	-61.49	-13.00	48.49	174	134	Vertical
4	10965.2700	31.49	-37.67	38.68	-62.75	-13.00	49.75	153	285	Vertical
5	13460.95	29.53	-36.42	39.93	-62.22	-13.00	49.22	126	28	Vertical
6	14620.3600	27.67	-35.23	41.15	-61.67	-13.00	48.67	195	6	Vertical



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Report No.: SEWM2305000160RG02

Rev.: 01

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Test Band = SA n77_100MHz_TM1
Test Channel = Mid3700-3980 ANT3

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7590.1800	38.81	-42.78	36.64	-62.60	-13.00	49.60	147	60	Horizontal
2	9089.8	37.41	-40.46	36.47	-61.84	-13.00	48.84	189	134	Horizontal
3	10082.825	34.40	-38.82	38.24	-61.44	-13.00	48.44	159	151	Horizontal
4	11835.2700	28.02	-37.25	38.78	-65.71	-13.00	52.71	162	120	Horizontal
5	13725.45	29.93	-36.06	40.41	-60.98	-13.00	47.98	155	14	Horizontal
6	15180.3600	27.70	-33.90	40.92	-60.54	-13.00	47.54	180	240	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7590.1800	38.42	-42.78	36.64	-62.99	-13.00	49.99	120	16	Vertical
2	8930.525	37.65	-40.90	36.33	-62.17	-13.00	49.17	186	195	Vertical
3	9599.25	35.94	-39.21	37.44	-61.09	-13.00	48.09	142	0	Vertical
4	11835.2700	28.14	-37.25	38.78	-65.59	-13.00	52.59	159	195	Vertical
5	12797.975	30.29	-36.62	39.04	-62.55	-13.00	49.55	198	105	Vertical
6	15180.3600	26.49	-33.90	40.92	-61.75	-13.00	48.75	176	226	Vertical



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Report No.: SEWM2305000160RG02

Rev.: 01

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Test Band = SA n77_100MHz_TM1
Test Channel = High3700-3980 ANT3

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7870.1800	38.67	-42.69	36.75	-62.53	-13.00	49.53	122	360	Horizontal
2	9057.025	37.16	-40.61	36.41	-62.30	-13.00	49.30	147	329	Horizontal
3	10020.15	34.69	-39.24	38.21	-61.60	-13.00	48.60	158	360	Horizontal
4	11805.2700	28.13	-37.21	38.78	-65.56	-13.00	52.56	182	359	Horizontal
5	13842.75	29.87	-35.96	40.62	-60.73	-13.00	47.73	166	360	Horizontal
6	15740.3600	25.15	-33.18	39.74	-63.54	-13.00	50.54	231	12	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7870.1800	38.48	-42.69	36.75	-62.72	-13.00	49.72	230	8	Vertical
2	8664.875	38.78	-41.18	36.47	-61.19	-13.00	48.19	177	256	Vertical
3	9587.175	36.41	-39.30	37.42	-60.73	-13.00	47.73	145	90	Vertical
4	11805.2700	28.28	-37.21	38.78	-65.41	-13.00	52.41	166	346	Vertical
5	13769.15	29.80	-36.17	40.48	-61.15	-13.00	48.15	199	0	Vertical
6	15740.3600	25.10	-33.18	39.74	-63.59	-13.00	50.59	182	104	Vertical



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Report No.: SEWM2305000160RG02

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Test Band = SA n77_100MHz_TM1

Test Channel = Low3700-3980 ANT5

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7310.1800	39.74	-43.27	36.07	-62.72	-13.00	49.72	169	164	Horizontal
2	8604.5	38.09	-40.91	36.50	-61.58	-13.00	48.58	144	164	Horizontal
3	9595.225	35.89	-39.24	37.43	-61.18	-13.00	48.18	158	118	Horizontal
4	10965.2700	31.05	-37.67	38.68	-63.19	-13.00	50.19	172	87	Horizontal
5	12786.475	30.31	-36.65	39.04	-62.56	-13.00	49.56	155	239	Horizontal
6	14620.3600	27.93	-35.23	41.15	-61.41	-13.00	48.41	192	359	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7310.1800	39.54	-43.27	36.07	-62.92	-13.00	49.92	166	1	Vertical
2	8655.1	38.47	-41.14	36.47	-61.46	-13.00	48.46	125	44	Vertical
3	9415.825	37.06	-39.93	37.09	-61.04	-13.00	48.04	184	270	Vertical
4	10965.2700	30.61	-37.67	38.68	-63.63	-13.00	50.63	177	225	Vertical
5	12825.575	30.69	-36.68	39.05	-62.21	-13.00	49.21	126	225	Vertical
6	14620.3600	27.39	-35.23	41.15	-61.95	-13.00	48.95	135	3	Vertical



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Test Band = SA n77_100MHz_TM1
Test Channel = Mid3700-3980 ANT5

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7590.1800	38.92	-42.78	36.64	-62.49	-13.00	49.49	222	256	Horizontal
2	9092.1	37.28	-40.45	36.47	-61.95	-13.00	48.95	103	16	Horizontal
3	10033.375	35.51	-39.15	38.22	-60.69	-13.00	47.69	259	360	Horizontal
4	11835.2700	27.67	-37.25	38.78	-66.06	-13.00	53.06	174	301	Horizontal
5	13920.375	29.48	-35.41	40.76	-60.43	-13.00	47.43	185	4	Horizontal
6	15180.3600	27.29	-33.90	40.92	-60.95	-13.00	47.95	166	90	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7590.1800	38.70	-42.78	36.64	-62.71	-13.00	49.71	211	44	Vertical
2	8854.625	38.26	-41.01	36.37	-61.64	-13.00	48.64	147	0	Vertical
3	9652.15	36.13	-39.35	37.54	-60.94	-13.00	47.94	196	44	Vertical
4	11835.2700	28.13	-37.25	38.78	-65.60	-13.00	52.60	158	1	Vertical
5	13911.75	29.53	-35.48	40.74	-60.47	-13.00	47.47	126	150	Vertical
6	15180.3600	26.26	-33.90	40.92	-61.98	-13.00	48.98	153	256	Vertical



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Test Band = SA n77_100MHz_TM1
Test Channel = High3700-3980 ANT5

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7870.1800	38.82	-42.69	36.75	-62.38	-13.00	49.38	214	269	Horizontal
2	9043.225	37.59	-40.67	36.38	-61.96	-13.00	48.96	156	179	Horizontal
3	9998.875	35.19	-39.38	38.20	-61.25	-13.00	48.25	199	284	Horizontal
4	11805.2700	28.96	-37.21	38.78	-64.73	-13.00	51.73	184	360	Horizontal
5	13973.85	29.40	-34.99	40.85	-59.99	-13.00	46.99	172	360	Horizontal
6	15740.3600	25.68	-33.18	39.74	-63.01	-13.00	50.01	166	29	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7870.1800	39.29	-42.69	36.75	-61.91	-13.00	48.91	233	44	Vertical
2	9002.975	37.72	-40.86	36.31	-62.09	-13.00	49.09	126	30	Vertical
3	9839.025	34.71	-39.11	37.89	-61.77	-13.00	48.77	251	256	Vertical
4	11805.2700	28.82	-37.21	38.78	-64.87	-13.00	51.87	148	0	Vertical
5	13697.275	30.38	-35.99	40.36	-60.52	-13.00	47.52	175	150	Vertical
6	15740.3600	24.81	-33.18	39.74	-63.88	-13.00	50.88	166	227	Vertical



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Test Band = NSA 41A_n77A_TM1
 Test Channel = Low3700-3980 ANT3

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7310.1800	39.52	-43.27	36.07	-62.94	-13.00	49.94	211	16	Horizontal
2	8430.85	39.47	-41.50	36.58	-60.71	-13.00	47.71	123	245	Horizontal
3	9311.175	37.34	-40.05	36.89	-61.08	-13.00	48.08	261	16	Horizontal
4	10965.2700	32.50	-37.67	38.68	-61.74	-13.00	48.74	154	280	Horizontal
5	12702.525	32.99	-36.82	39.01	-60.08	-13.00	47.08	185	166	Horizontal
6	14620.3600	30.67	-35.23	41.15	-58.67	-13.00	45.67	163	245	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7310.1800	39.58	-43.27	36.07	-62.88	-13.00	49.88	154	29	Vertical
2	8765.5	39.07	-41.21	36.42	-60.98	-13.00	47.98	165	286	Vertical
3	9640.65	36.70	-39.31	37.52	-60.36	-13.00	47.36	125	356	Vertical
4	10965.2700	33.12	-37.67	38.68	-61.12	-13.00	48.12	184	150	Vertical
5	13463.825	32.64	-36.44	39.93	-59.13	-13.00	46.13	175	242	Vertical
6	14620.3600	30.73	-35.23	41.15	-58.61	-13.00	45.61	196	29	Vertical



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Test Band = NSA 41A_n77A_TM1
Test Channel = Mid3700-3980 ANT3

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7590.1800	38.50	-42.78	36.64	-62.91	-13.00	49.91	126	44	Horizontal
2	9253.1	37.43	-40.01	36.78	-61.06	-13.00	48.06	235	269	Horizontal
3	9637.775	36.93	-39.31	37.51	-60.12	-13.00	47.12	148	224	Horizontal
4	11835.2700	30.56	-37.25	38.78	-63.17	-13.00	50.17	175	29	Horizontal
5	13130.325	32.01	-36.60	39.33	-60.51	-13.00	47.51	166	283	Horizontal
6	15180.3600	29.48	-33.90	40.92	-58.76	-13.00	45.76	125	357	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7590.1800	39.15	-42.78	36.64	-62.26	-13.00	49.26	184	152	Vertical
2	9647.55	36.59	-39.33	37.53	-60.47	-13.00	47.47	175	106	Vertical
3	11216.725	34.16	-36.71	38.72	-59.08	-13.00	46.08	126	47	Vertical
4	11835.2700	30.09	-37.25	38.78	-63.64	-13.00	50.64	144	196	Vertical
5	14279.175	32.53	-35.75	41.01	-57.46	-13.00	44.46	196	0	Vertical
6	15180.3600	30.03	-33.90	40.92	-58.21	-13.00	45.21	128	242	Vertical



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Test Band = NSA 41A_n77A_TM1
Test Channel = High3700-3980 ANT3

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7870.1800	38.69	-42.69	36.75	-62.51	-13.00	49.51	254	239	Horizontal
2	9368.675	37.29	-39.97	37.00	-60.94	-13.00	47.94	148	329	Horizontal
3	10927.5	34.18	-37.75	38.66	-60.17	-13.00	47.17	175	59	Horizontal
4	11805.2700	31.22	-37.21	38.78	-62.47	-13.00	49.47	126	360	Horizontal
5	14211.9	31.47	-35.38	40.98	-58.18	-13.00	45.18	136	360	Horizontal
6	15740.3600	28.42	-33.18	39.74	-60.27	-13.00	47.27	259	352	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7870.1800	39.22	-42.69	36.75	-61.98	-13.00	48.98	155	9	Vertical
2	9600.4	36.88	-39.20	37.44	-60.14	-13.00	47.14	142	286	Vertical
3	10927.5	34.18	-37.75	38.66	-60.17	-13.00	47.17	184	0	Vertical
4	11805.2700	30.94	-37.21	38.78	-62.75	-13.00	49.75	175	1	Vertical
5	13372.975	32.02	-36.33	39.77	-59.80	-13.00	46.80	126	331	Vertical
6	15740.3600	28.29	-33.18	39.74	-60.40	-13.00	47.40	136	331	Vertical



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Test Band = NSA 41A_n77A_TM1

Test Channel = Low3700-3980 ANT5

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7310.1800	39.58	-43.27	36.07	-62.88	-13.00	49.88	155	73	Horizontal
2	8947.2	38.22	-40.89	36.33	-61.60	-13.00	48.60	251	343	Horizontal
3	10965.2700	32.66	-37.67	38.68	-61.58	-13.00	48.58	147	28	Horizontal
4	11763.55	31.57	-36.80	38.78	-61.71	-13.00	48.71	175	3	Horizontal
5	13096.975	32.14	-36.63	39.27	-60.48	-13.00	47.48	186	57	Horizontal
6	14620.3600	30.66	-35.23	41.15	-58.68	-13.00	45.68	122	359	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7310.1800	39.65	-43.27	36.07	-62.81	-13.00	49.81	174	165	Vertical
2	8659.7	39.43	-41.16	36.47	-60.52	-13.00	47.52	126	148	Vertical
3	9414.675	37.15	-39.93	37.09	-60.95	-13.00	47.95	215	226	Vertical
4	10965.2700	32.37	-37.67	38.68	-61.87	-13.00	48.87	142	8	Vertical
5	13474.75	31.84	-36.50	39.95	-59.97	-13.00	46.97	129	300	Vertical
6	14620.3600	30.72	-35.23	41.15	-58.62	-13.00	45.62	135	269	Vertical



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Test Band = NSA 41A_n77A_TM1
Test Channel = Mid3700-3980 ANT5

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7590.1800	38.70	-42.78	36.64	-62.71	-13.00	49.71	210	359	Horizontal
2	9151.9	37.36	-40.17	36.59	-61.48	-13.00	48.48	140	300	Horizontal
3	11237.425	33.82	-36.84	38.72	-59.55	-13.00	46.55	153	360	Horizontal
4	11835.2700	30.24	-37.25	38.78	-63.49	-13.00	50.49	233	359	Horizontal
5	13602.975	31.84	-36.04	40.19	-59.27	-13.00	46.27	219	120	Horizontal
6	15180.3600	29.61	-33.90	40.92	-58.63	-13.00	45.63	144	353	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7590.1800	39.10	-42.78	36.64	-62.31	-13.00	49.31	285	210	Vertical
2	9005.85	38.30	-40.84	36.31	-61.49	-13.00	48.49	145	120	Vertical
3	9977.025	35.93	-39.34	38.16	-60.51	-13.00	47.51	163	0	Vertical
4	11835.2700	29.96	-37.25	38.78	-63.77	-13.00	50.77	259	0	Vertical
5	13151.025	31.70	-36.59	39.37	-60.78	-13.00	47.78	175	256	Vertical
6	15180.3600	29.23	-33.90	40.92	-59.01	-13.00	46.01	133	0	Vertical



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Test Band = NSA 41A_n77A_TM1
Test Channel = High3700-3980 ANT5

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7870.1800	39.68	-42.69	36.75	-61.52	-13.00	48.52	231	196	Horizontal
2	9264.6	37.57	-40.03	36.80	-60.91	-13.00	47.91	142	256	Horizontal
3	9830.975	35.85	-39.10	37.88	-60.63	-13.00	47.63	174	330	Horizontal
4	11805.2700	30.20	-37.21	38.78	-63.49	-13.00	50.49	152	359	Horizontal
5	13766.275	32.46	-36.16	40.48	-58.48	-13.00	45.48	163	30	Horizontal
6	15740.3600	28.68	-33.18	39.74	-60.01	-13.00	47.01	261	359	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7870.1800	38.90	-42.69	36.75	-62.30	-13.00	49.30	244	257	Vertical
2	9268.625	37.33	-40.03	36.81	-61.15	-13.00	48.15	175	46	Vertical
3	9794.75	36.15	-39.08	37.81	-60.38	-13.00	47.38	156	46	Vertical
4	11805.2700	30.49	-37.21	38.78	-63.20	-13.00	50.20	126	136	Vertical
5	13341.925	31.66	-36.62	39.72	-60.51	-13.00	47.51	135	356	Vertical
6	15740.3600	28.89	-33.18	39.74	-59.80	-13.00	46.80	192	0	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N77 -3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	VH	NT	1.2300000	0.000263	PASS
N77 -3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	VN	NT	-0.800000	-0.000526	PASS
N77 -3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	VL	NT	-4.300000	-0.001371	PASS
N77 -3700-3980	30	100	CP-QPSK	M	Outer_Full	VH	NT	-4.500000	-0.002355	PASS
N77 -3700-3980	30	100	CP-QPSK	M	Outer_Full	VN	NT	-17.200000	-0.004663	PASS
N77 -3700-3980	30	100	CP-QPSK	M	Outer_Full	VL	NT	-7.700000	-0.001356	PASS



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Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N77 -3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-30	-13.200000	-0.003438	PASS
N77 -3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-20	-5.300000	-0.001380	PASS
N77 -3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-10	-9.200000	-0.002396	PASS
N77 -3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	0	-14.700000	-0.003828	PASS
N77 -3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	10	-13.500000	-0.003516	PASS
N77 -3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	20	-9.700000	-0.002526	PASS
N77 -3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	30	-8.900000	-0.002318	PASS
N77 -3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	40	-14.900000	-0.003880	PASS
N77 -3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	50	-15.800000	-0.004115	PASS
N77 -3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	-30	-21.100000	-0.005495	PASS
N77 -3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	-20	-15.600000	-0.004063	PASS
N77 -3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	-10	-7.800000	-0.002031	PASS
N77 -3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	0	-16.800000	-0.004375	PASS
N77 -3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	10	-11.900000	-0.003099	PASS
N77 -3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	20	-18.400000	-0.004792	PASS
N77 -3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	30	-17.300000	-0.004505	PASS
N77 -3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	40	-16.500000	-0.004297	PASS



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-3700-3980										
N77	30	100	CP-QPSK	M	Outer_Full	NV	50	-19.200000	-0.005000	PASS
-3700-3980										

---End of Attachment---



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