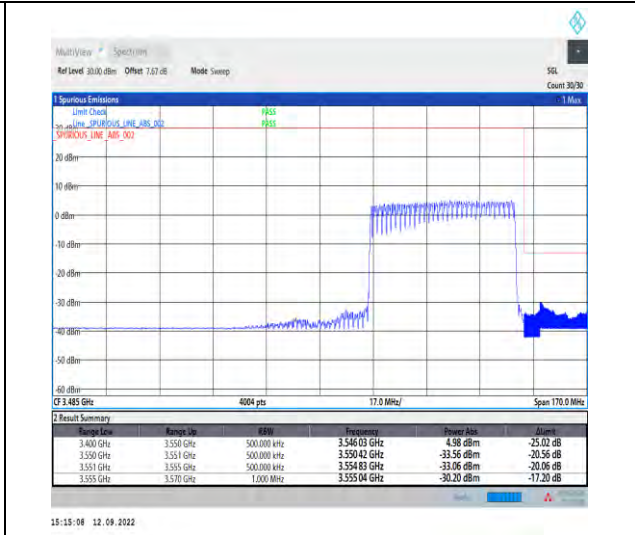




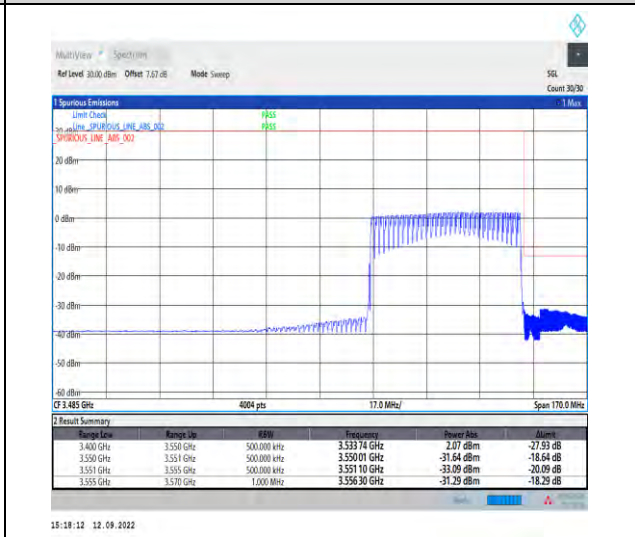
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1-N78-3450-3550--30-50-H-3-DFT-PI2BPSK-Outer_Full-128@0-Ant1-1---see graph



1-N78-3450-3550--30-50-H-5-CP-QPSK-Edge_1RB_Right-1@132-Ant1-1---see graph



1-N78-3450-3550--30-50-H-6-CP-QPSK-Outer_Full-1133@0-Ant1-1---see graph



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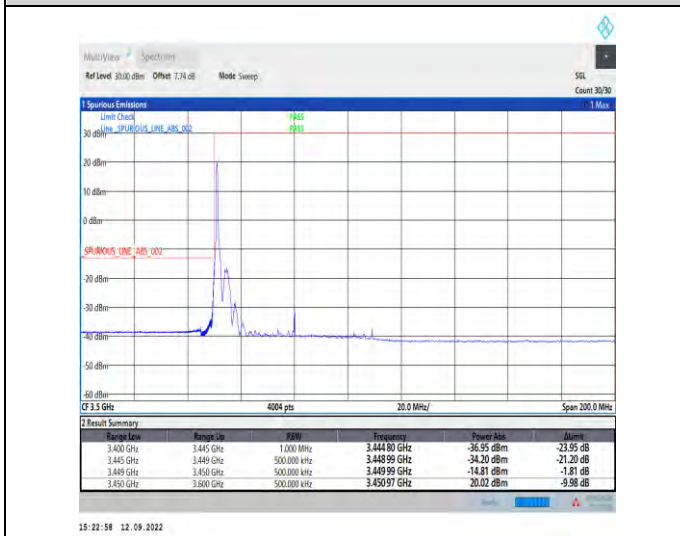
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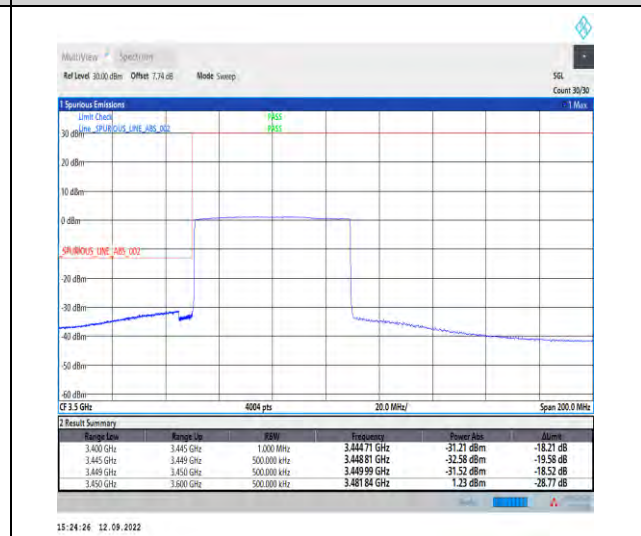
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1-N78-3450-3550--30-60-L-3-DFT-PI2BPSK-Outer_Full-162@0-Ant1-1---see graph



1-N78-3450-3550--30-60-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1---see graph



1-N78-3450-3550--30-60-L-6-CP-QPSK-Outer_Full-162@0-Ant1-1---see graph

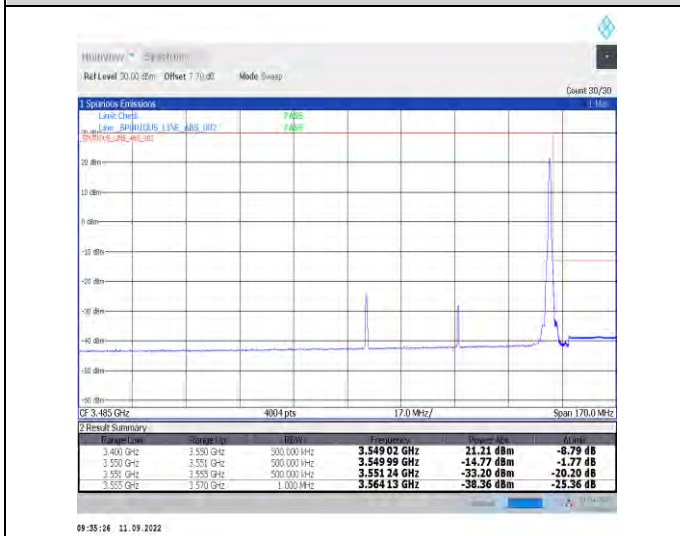




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1-N78-3450-3550--30-60-H-5-CP-QPSK-Edge_1RB_Right-1@161-Ant1-1---see graph



1-N78-3450-3550--30-60-H-6-CP-QPSK-Outer_Full-162@0-Ant1-1---see graph

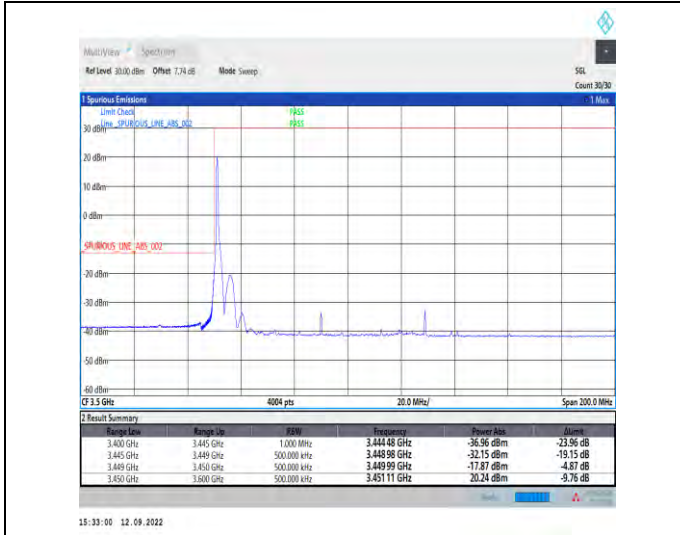


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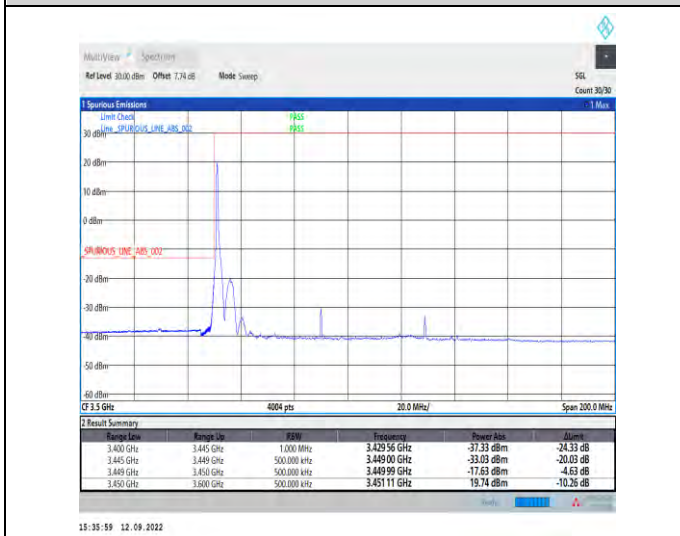
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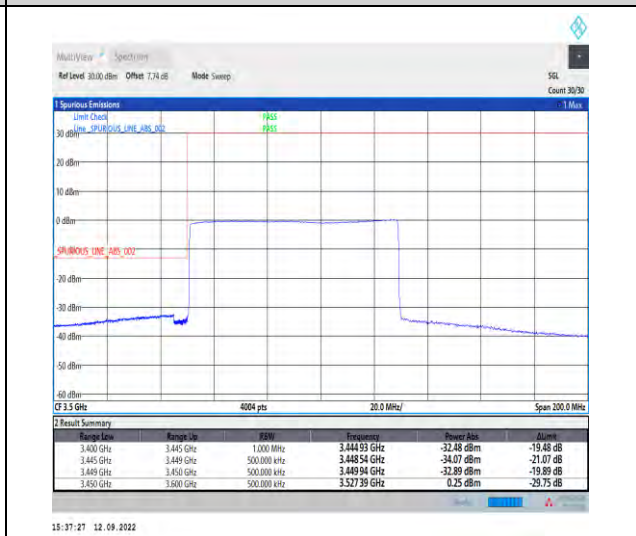
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1-N78-3450-3550--30-80-L-3-DFT-PI2BPSK-Outer_Full-216@0-Ant1-1---see graph



1-N78-3450-3550--30-80-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1---see graph



1-N78-3450-3550--30-80-L-6-CP-QPSK-Outer_Full-217@0-Ant1-1---see graph

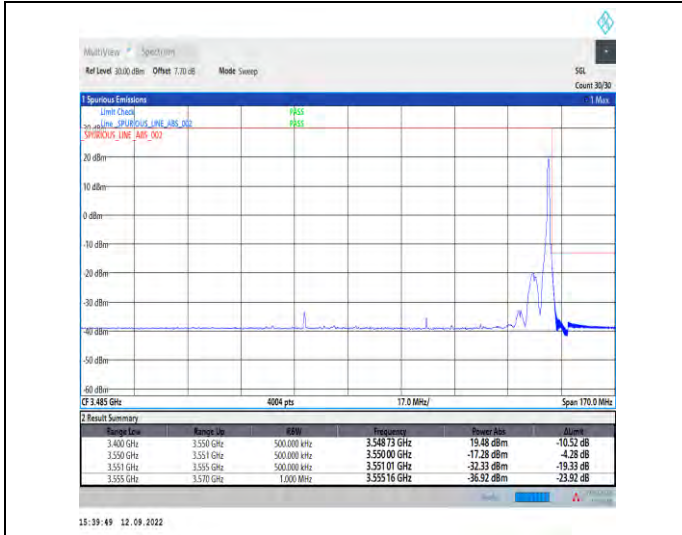


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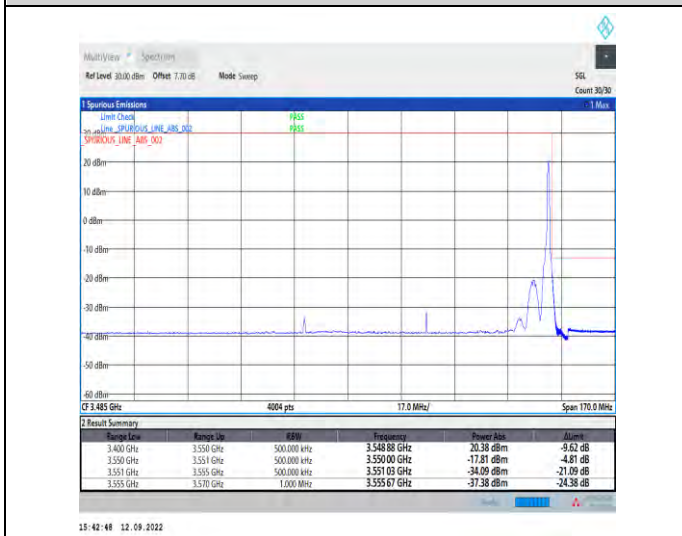
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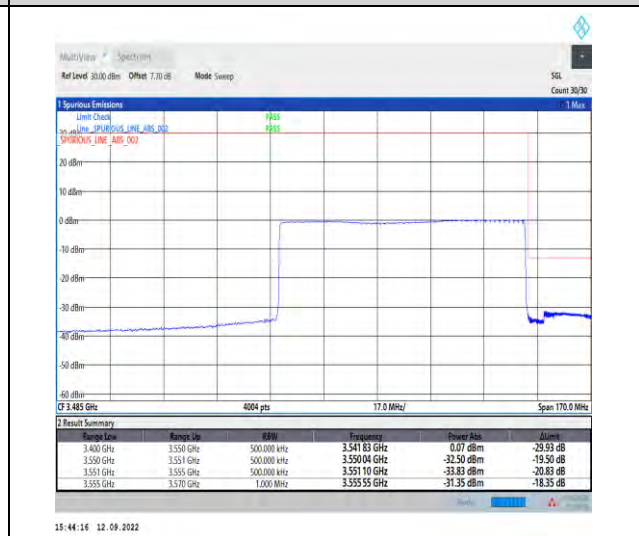
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1-N78-3450-3550--30-80-H-3-DFT-PI2BPSK-Outer_Full-216@0-Ant1-1---see graph



1-N78-3450-3550--30-80-H-5-CP-QPSK-Edge_1RB_Right-1@216-Ant1-1---see graph



1-N78-3450-3550--30-80-H-6-CP-QPSK-Outer_Full-217@0-Ant1-1---see graph

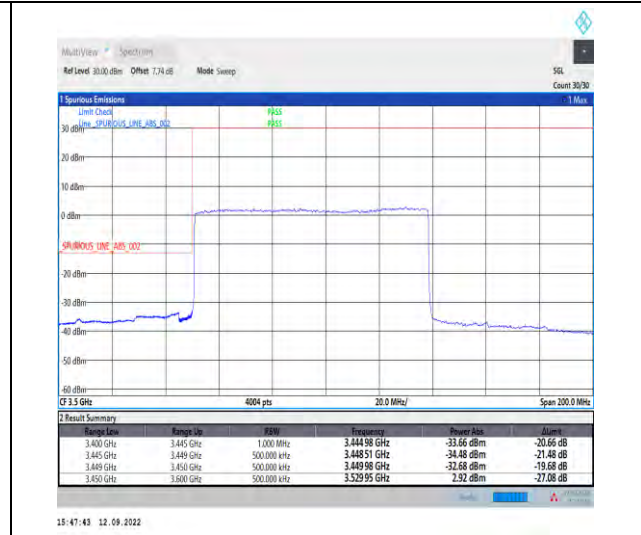


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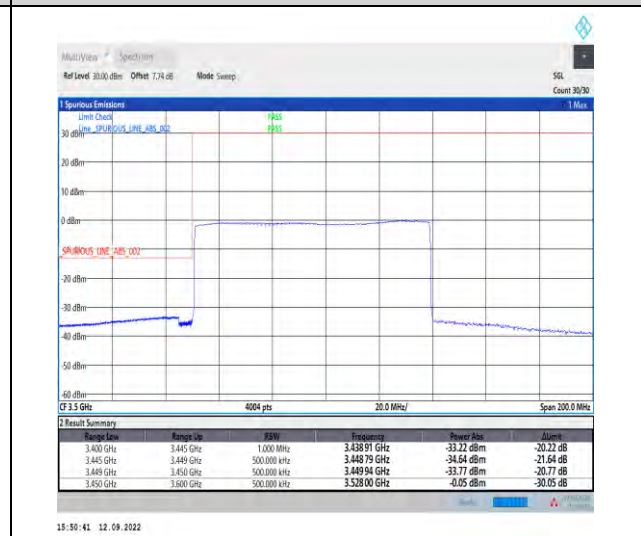
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1-N78-3450-3550--30-90-L-1-DFT-PI2BPSK-Edge_1R B_Left-1@0-Ant1-1---see graph

1-N78-3450-3550--30-90-L-3-DFT-PI2BPSK-Outer_Full-243@0-Ant1-1---see graph



1-N78-3450-3550--30-90-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1---see graph

1-N78-3450-3550--30-90-L-6-CP-QPSK-Outer_Full-245@0-Ant1-1---see graph



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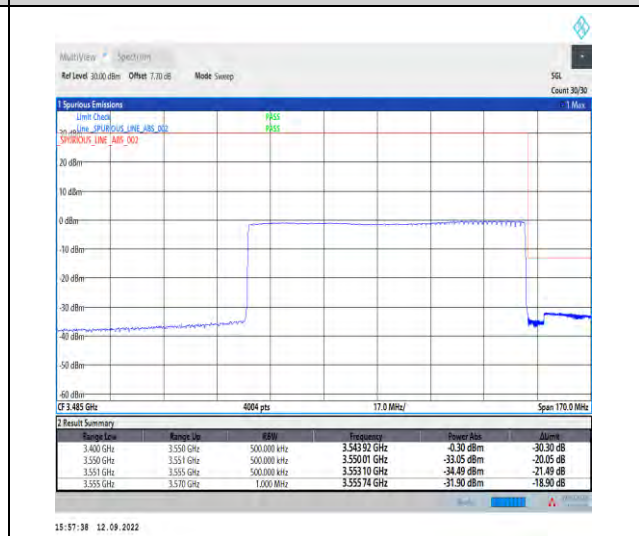
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1-N78-3450-3550--30-90-H-5-CP-QPSK-Edge_1RB_Right-1@244-Ant1-1---see graph



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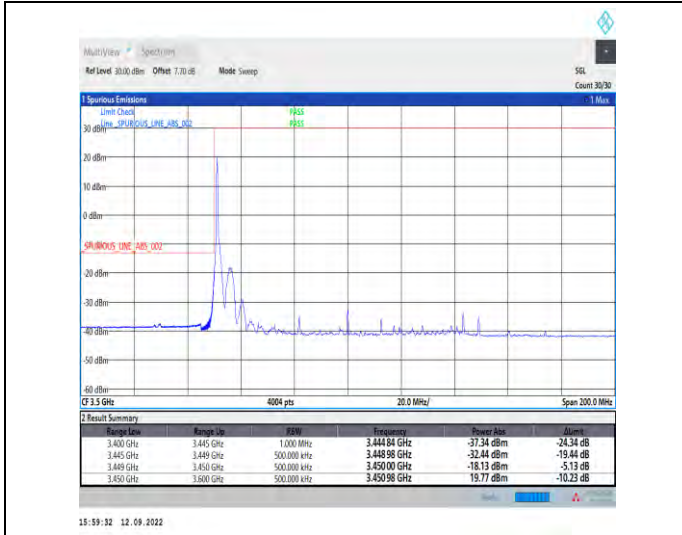


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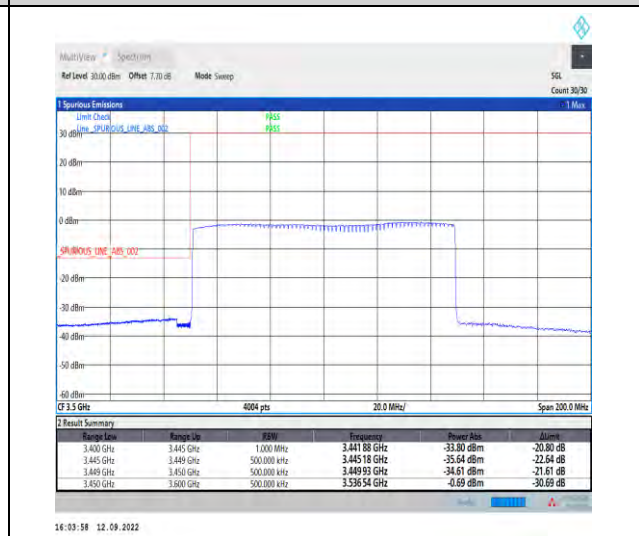
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1-N78-3450-3550--30-100-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1---see graph



1-N78-3450-3550--30-100-L-6-CP-QPSK-Outer_Full-273@0-Ant1-1---see graph



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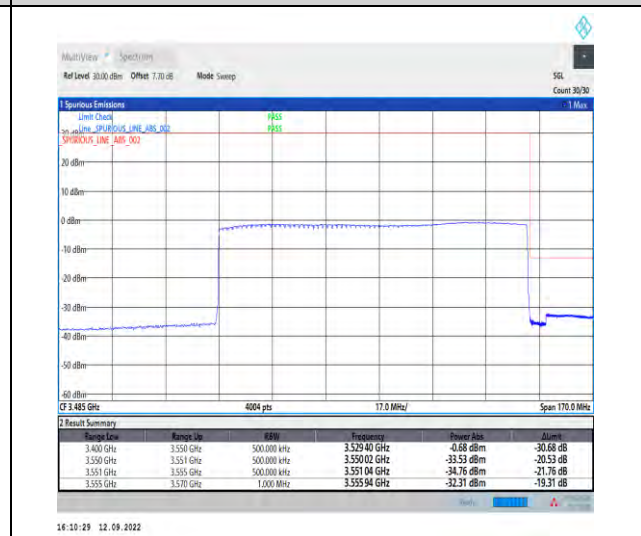
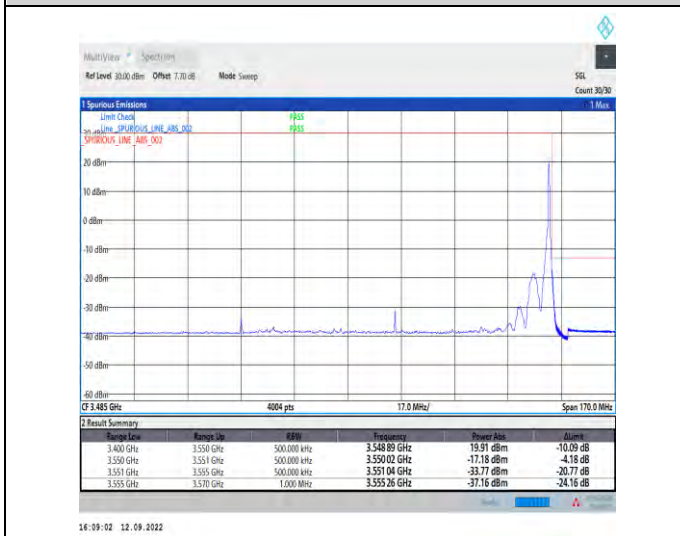
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1-N78-3450-3550--30-100-H-2-DFT-PI2BPSK-Edge_1 RB_Right-1@272-Ant1-1---see graph

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1-N78-3450-3550--30-100-H-5-CP-QPSK-Edge_1RB Right-1@272-Ant1-1---see graph

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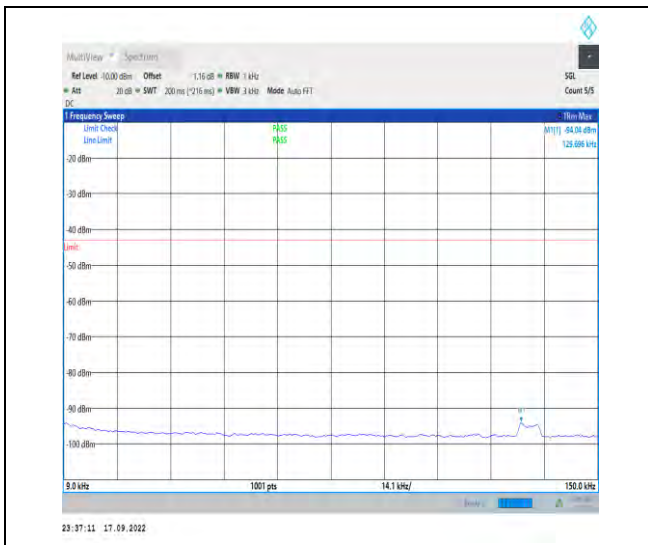
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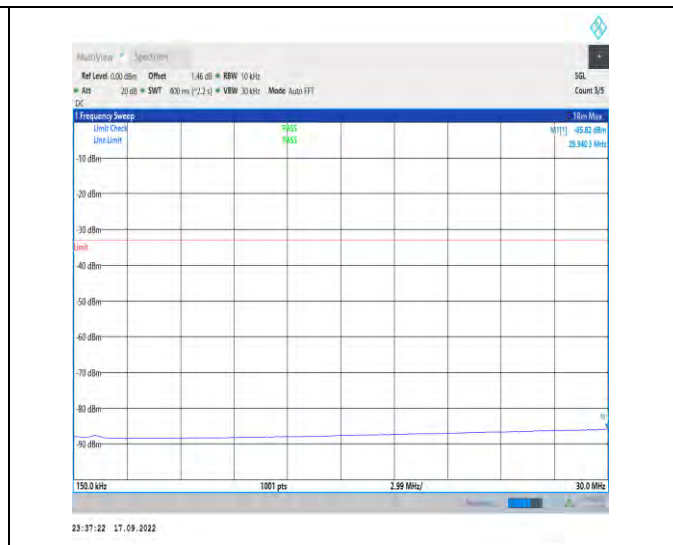


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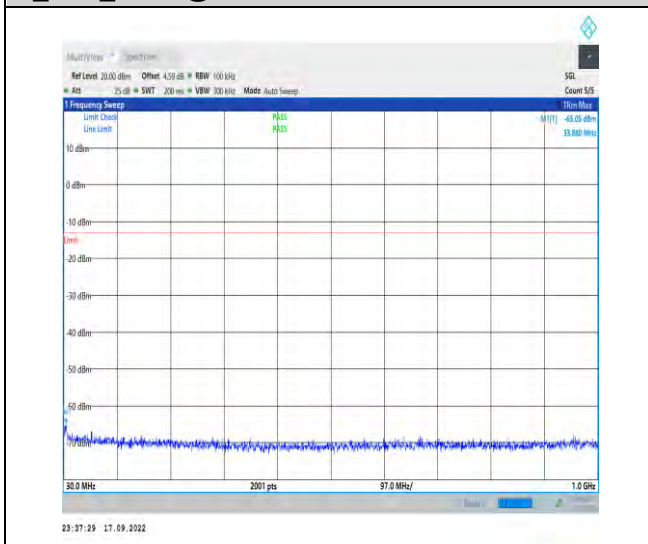
Test Graphs



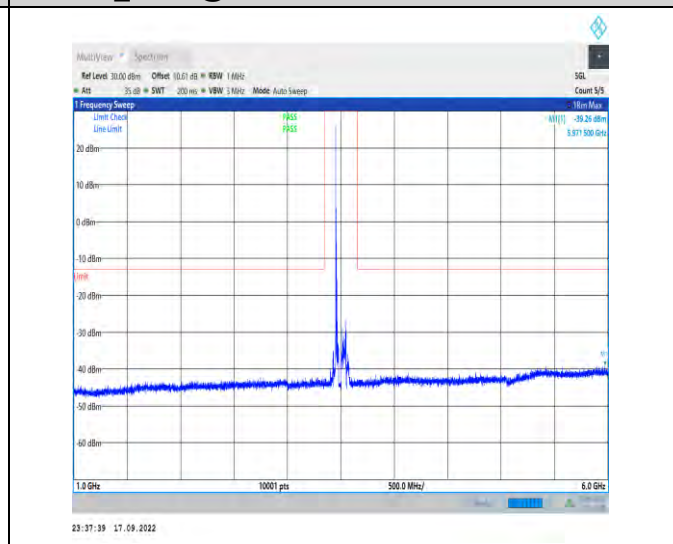
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1-N78-3450-3550--30-100-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-6000-Ant1-5971.50--39.26--13-



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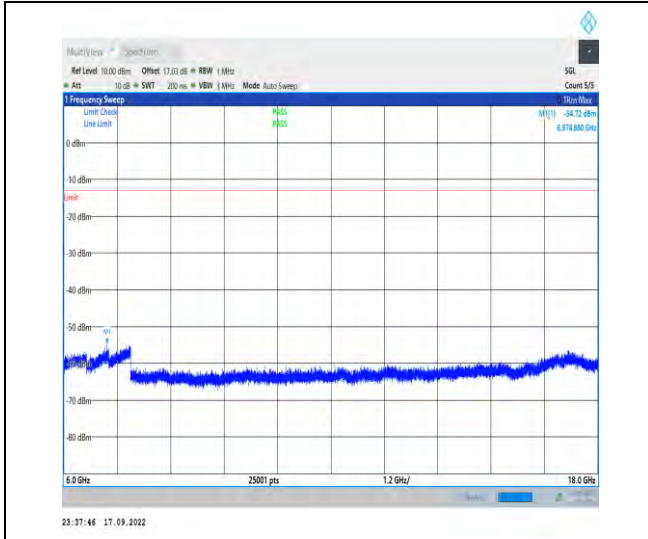
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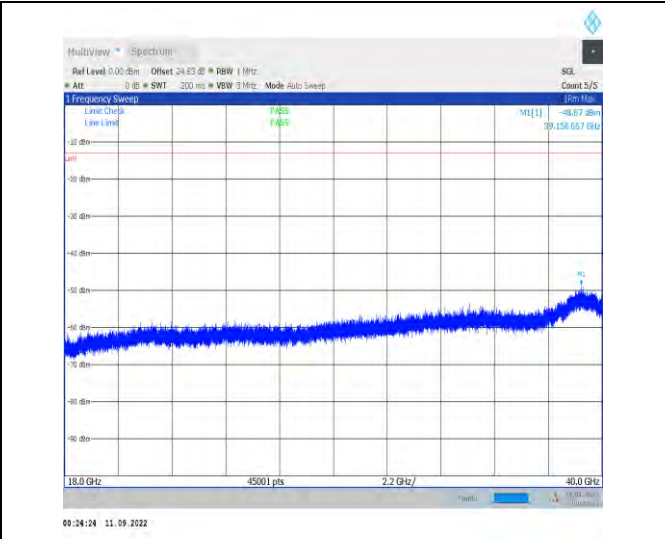
Report No.: SEWM2209000170RG02

Rev.: 01

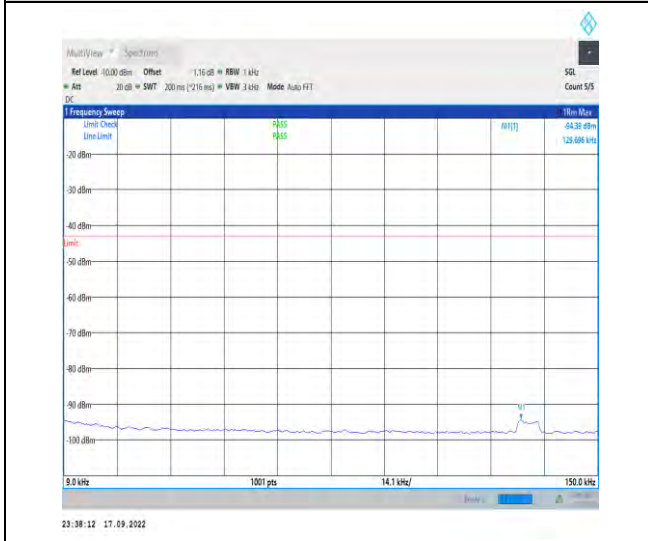
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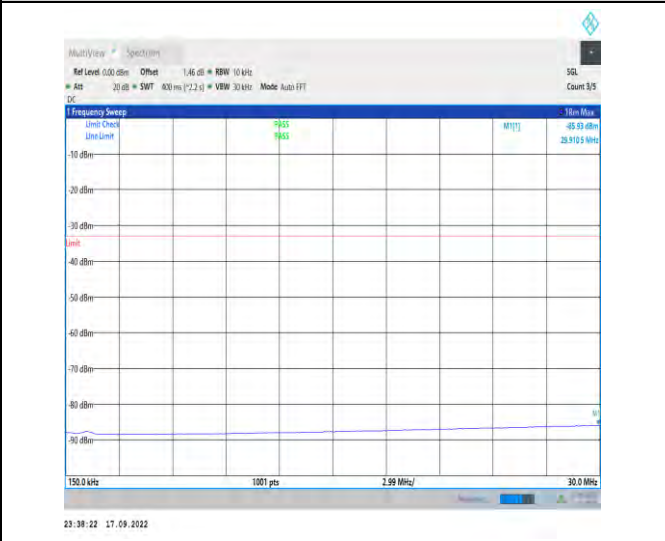
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1-N78-3450-3550--30-100-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant1-29.91--85.93--33-



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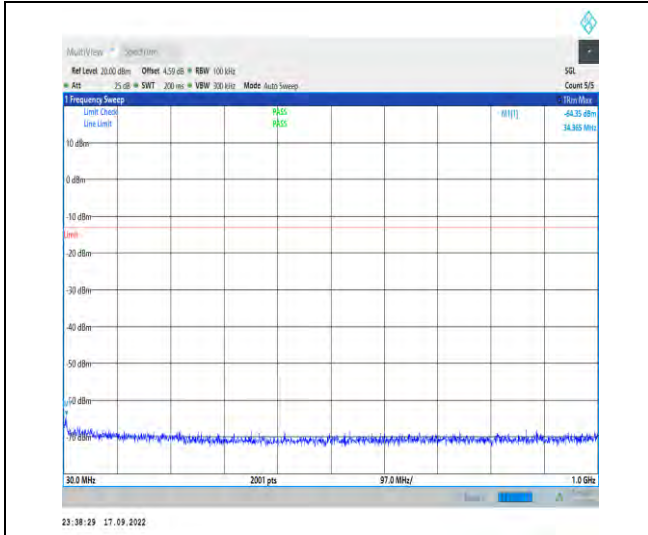
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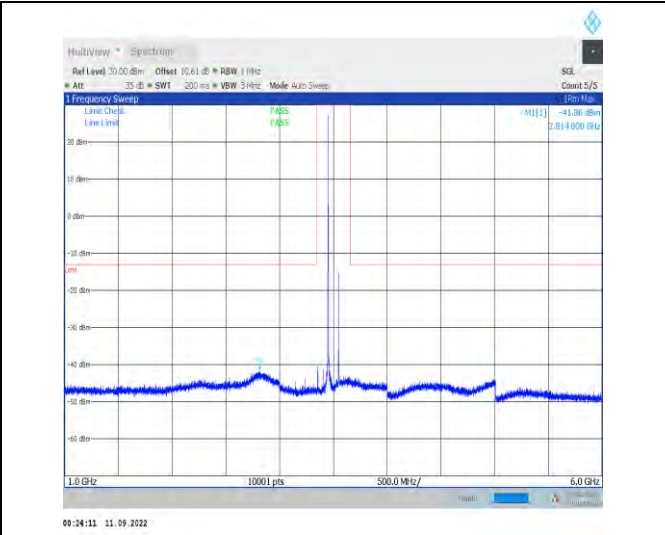
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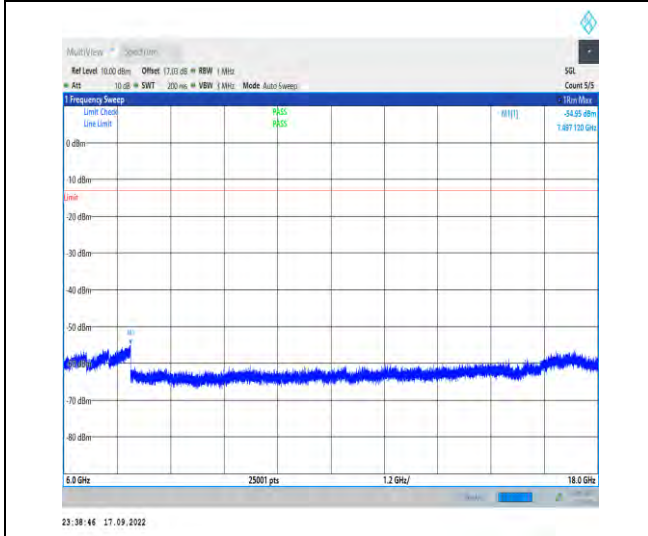
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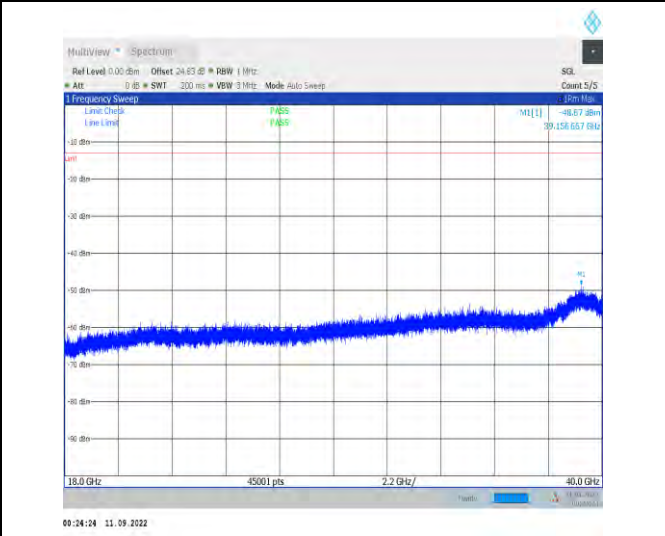
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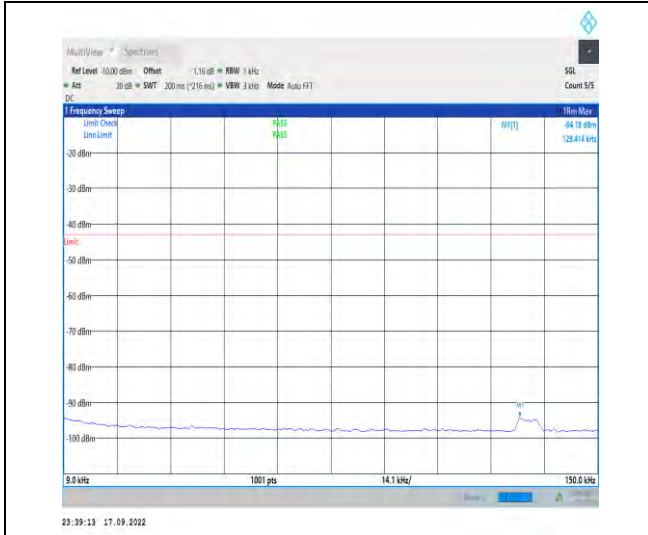
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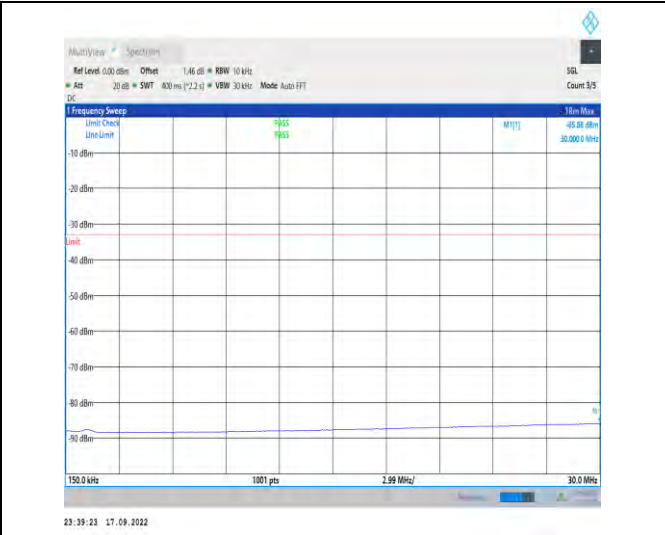
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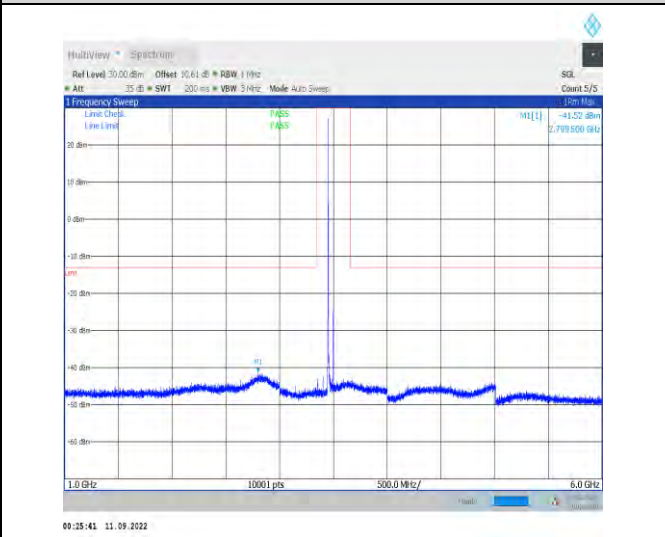
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1-N78-3450-3550--30-100-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-6000-Ant1-5839.50--39.23--13-



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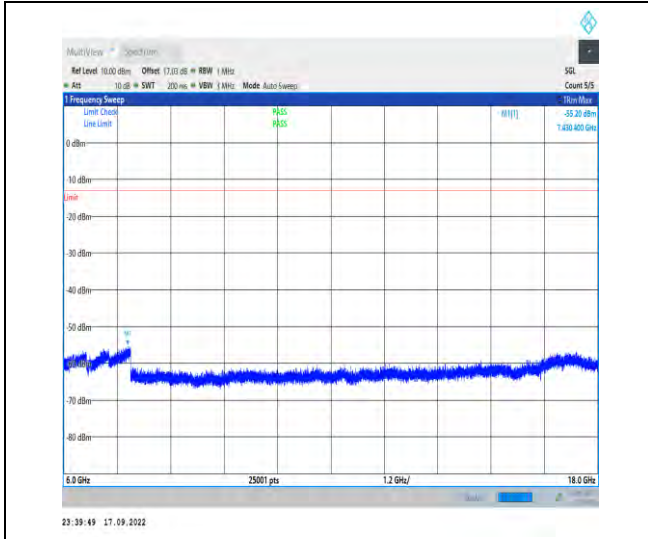
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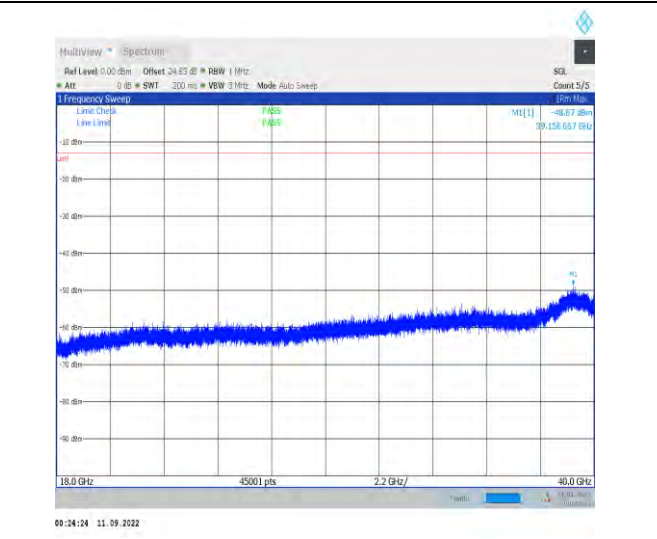
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13-



1-N78-3450-3550--30-100-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-18000-40000-Ant1-18000.00--58.52--

13-



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Field Strength of Spurious Radiation

Test Band = 5G NR SA Band78_ TM1

Test Channel = Low 3450-3550 ANT2

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6810.1800	47.97	-43.61	35.85	-55.05	-13.00	42.05	251	46	Horizontal
2	7736.825	48.55	-42.81	36.66	-52.87	-13.00	39.87	145	61	Horizontal
3	8412.45	47.32	-41.42	37.36	-52.01	-13.00	39.01	185	166	Horizontal
4	10215.2700	36.42	-39.23	38.81	-59.26	-13.00	46.26	169	257	Horizontal
5	13620.3600	32.26	-36.03	40.13	-58.90	-13.00	45.90	124	16	Horizontal
6	17025.4500	33.42	-33.71	38.51	-57.04	-13.00	44.04	132	46	Horizontal

Test Band = 5G NR SA Band78_ TM1

Test Channel = Low 3450-3550 ANT2

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6810.1800	47.51	-43.61	35.85	-55.51	-13.00	42.51	254	136	Vertical
2	7544.2	48.65	-42.98	36.42	-53.17	-13.00	40.17	196	16	Vertical
3	8939.15	46.75	-40.89	38.16	-51.24	-13.00	38.24	185	359	Vertical
4	10215.2700	37.77	-39.23	38.81	-57.91	-13.00	44.91	147	289	Vertical
5	13620.3600	32.19	-36.03	40.13	-58.97	-13.00	45.97	125	227	Vertical
6	17025.4500	32.24	-33.71	38.51	-58.22	-13.00	45.22	165	360	Vertical



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Test Band = 5G NR SA Band78_ TM1
Test Channel = Mid 3450-3550 ANT2

Table with 11 columns: NO., Frequency [MHz], Reading [dBµV], Factor [dB], AF[dB/m], Level [dBm], Limit [dBm], Margin [dB], Height [cm], Angle [°], Polarity. Contains 6 rows of test data.

Test Band = 5G NR SA Band78_ TM1
Test Channel = Mid 3450-3550 ANT2

Table with 11 columns: NO., Frequency [MHz], Reading [dBµV], Factor [dB], AF[dB/m], Level [dBm], Limit [dBm], Margin [dB], Height [cm], Angle [°], Polarity. Contains 6 rows of test data.



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Test Band = 5G NR SA Band78_ TM1
Test Channel = High 3450-3550 ANT2

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7010.1800	46.89	-43.06	36.11	-55.32	-13.00	42.32	145	227	Horizontal
2	7899.55	47.57	-42.74	36.89	-53.53	-13.00	40.53	174	360	Horizontal
3	8641.3	46.08	-41.08	37.82	-52.44	-13.00	39.44	185	31	Horizontal
4	10515.2700	37.18	-38.64	38.98	-57.75	-13.00	44.75	196	197	Horizontal
5	14020.3600	30.43	-35.04	40.15	-59.72	-13.00	46.72	125	304	Horizontal
6	17525.4500	33.25	-33.81	39.28	-56.54	-13.00	43.54	136	227	Horizontal

Test Band = 5G NR SA Band78_ TM1
Test Channel = High 3450-3550 ANT2

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7010.1800	48.02	-43.06	36.11	-54.19	-13.00	41.19	122	360	Vertical
2	8045.025	46.79	-41.77	37.03	-53.22	-13.00	40.22	142	74	Vertical
3	8599.9	45.79	-40.89	37.75	-52.61	-13.00	39.61	132	360	Vertical
4	10515.2700	36.40	-38.64	38.98	-58.53	-13.00	45.53	152	305	Vertical
5	14020.3600	31.21	-35.04	40.15	-58.94	-13.00	45.94	126	105	Vertical
6	17525.4500	32.97	-33.81	39.28	-56.82	-13.00	43.82	156	360	Vertical



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Test Band = 5G NR SA Band78_ TM1
Test Channel = Low 3450-3550 ANT4

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6810.1800	47.61	-43.61	35.85	-55.41	-13.00	42.41	215	360	Horizontal
2	7804.675	48.21	-42.59	36.79	-52.85	-13.00	39.85	145	289	Horizontal
3	8675.8	45.41	-41.23	37.88	-53.21	-13.00	40.21	126	121	Horizontal
4	10215.2700	38.22	-39.23	38.81	-57.46	-13.00	44.46	235	360	Horizontal
5	13620.3600	32.76	-36.03	40.13	-58.40	-13.00	45.40	145	183	Horizontal
6	17025.4500	32.87	-33.71	38.51	-57.59	-13.00	44.59	185	61	Horizontal

Test Band = 5G NR SA Band78_ TM1
Test Channel = Low 3450-3550 ANT4

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6810.1800	47.94	-43.61	35.85	-55.08	-13.00	42.08	154	273	Vertical
2	7379.75	48.82	-42.90	36.50	-52.84	-13.00	39.84	159	61	Vertical
3	8406.125	47.69	-41.40	37.34	-51.62	-13.00	38.62	126	61	Vertical
4	10215.2700	37.62	-39.23	38.81	-58.06	-13.00	45.06	281	44	Vertical
5	13620.3600	32.49	-36.03	40.13	-58.67	-13.00	45.67	145	198	Vertical
6	17025.4500	32.31	-33.71	38.51	-58.15	-13.00	45.15	172	319	Vertical



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Test Band = 5G NR SA Band78_ TM1
Test Channel = Mid 3450-3550 ANT4

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6910.1800	47.46	-43.80	35.97	-55.63	-13.00	42.63	215	3	Horizontal
2	7402.175	49.83	-42.80	36.49	-51.74	-13.00	38.74	142	90	Horizontal
3	8472.825	47.65	-41.68	37.48	-51.81	-13.00	38.81	261	118	Horizontal
4	10365.2700	37.10	-38.81	38.85	-58.11	-13.00	45.11	199	44	Horizontal
5	13820.3600	34.35	-36.11	39.98	-57.04	-13.00	44.04	185	195	Horizontal
6	17275.4500	35.01	-35.16	38.70	-56.70	-13.00	43.70	163	360	Horizontal

Test Band = 5G NR SA Band78_ TM1
Test Channel = Mid 3450-3550 ANT4

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6910.1800	47.55	-43.80	35.97	-55.54	-13.00	42.54	215	213	Vertical
2	7663.225	47.79	-42.87	36.51	-53.83	-13.00	40.83	145	345	Vertical
3	8413.025	46.56	-41.43	37.36	-52.77	-13.00	39.77	185	151	Vertical
4	10365.2700	38.09	-38.81	38.85	-57.12	-13.00	44.12	169	334	Vertical
5	13820.3600	33.42	-36.11	39.98	-57.97	-13.00	44.97	185	359	Vertical
6	17275.4500	34.73	-35.16	38.70	-56.98	-13.00	43.98	124	360	Vertical



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Test Band = 5G NR SA Band78_ TM1
Test Channel = High 3450-3550 ANT4

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7010.1800	46.86	-43.06	36.11	-55.35	-13.00	42.35	215	122	Horizontal
2	7635.05	47.85	-42.81	36.46	-53.77	-13.00	40.77	142	31	Horizontal
3	8648.775	46.09	-41.11	37.83	-52.45	-13.00	39.45	196	122	Horizontal
4	10515.2700	36.02	-38.64	38.98	-58.91	-13.00	45.91	184	16	Horizontal
5	14020.3600	30.78	-35.04	40.15	-59.37	-13.00	46.37	172	259	Horizontal
6	17525.4500	32.48	-33.81	39.28	-57.31	-13.00	44.31	136	359	Horizontal

Test Band = 5G NR SA Band78_ TM1
Test Channel = High 3450-3550 ANT4

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7010.1800	47.13	-43.06	36.11	-55.08	-13.00	42.08	225	60	Vertical
2	7810.425	47.36	-42.60	36.79	-53.70	-13.00	40.70	146	73	Vertical
3	8409.575	46.50	-41.41	37.35	-52.82	-13.00	39.82	291	226	Vertical
4	10515.2700	35.81	-38.64	38.98	-59.12	-13.00	46.12	142	73	Vertical
5	14020.3600	30.30	-35.04	40.15	-59.85	-13.00	46.85	132	3	Vertical
6	17525.4500	32.09	-33.81	39.28	-57.70	-13.00	44.70	125	60	Vertical



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Test Band = 5G NR SA Band78_ TM1
Test Channel = Low 3450-3550 ANT5

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6810.1800	46.98	-43.61	35.85	-56.04	-13.00	43.04	225	240	Horizontal
2	8013.4	46.43	-42.02	37.01	-53.84	-13.00	40.84	149	29	Horizontal
3	8405.55	46.42	-41.39	37.34	-52.89	-13.00	39.89	185	240	Horizontal
4	10215.2700	39.11	-39.23	38.81	-56.57	-13.00	43.57	196	166	Horizontal
5	13620.3600	31.96	-36.03	40.13	-59.20	-13.00	46.20	174	360	Horizontal
6	17025.4500	33.89	-33.71	38.51	-56.57	-13.00	43.57	132	360	Horizontal

Test Band = 5G NR SA Band78_ TM1
Test Channel = Low 3450-3550 ANT5

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6810.1800	47.57	-43.61	35.85	-55.45	-13.00	42.45	284	274	Vertical
2	7548.225	48.65	-42.96	36.42	-53.16	-13.00	40.16	175	197	Vertical
3	8591.85	45.80	-40.96	37.73	-52.69	-13.00	39.69	162	336	Vertical
4	10215.2700	37.31	-39.23	38.81	-58.37	-13.00	45.37	143	228	Vertical
5	13620.3600	33.19	-36.03	40.13	-57.97	-13.00	44.97	129	243	Vertical
6	17025.4500	32.15	-33.71	38.51	-58.31	-13.00	45.31	142	16	Vertical



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Test Band = 5G NR SA Band78_ TM1
Test Channel = Mid 3450-3550 ANT5

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6910.1800	46.88	-43.80	35.97	-56.21	-13.00	43.21	168	360	Horizontal
2	7402.175	49.27	-42.80	36.49	-52.30	-13.00	39.30	149	88	Horizontal
3	8406.125	46.59	-41.40	37.34	-52.72	-13.00	39.72	175	3	Horizontal
4	10365.2700	38.29	-38.81	38.85	-56.92	-13.00	43.92	142	354	Horizontal
5	13820.3600	32.43	-36.11	39.98	-58.96	-13.00	45.96	126	210	Horizontal
6	17275.4500	34.59	-35.16	38.70	-57.12	-13.00	44.12	251	151	Horizontal

Test Band = 5G NR SA Band78_ TM1
Test Channel = Mid 3450-3550 ANT5

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6910.1800	47.20	-43.80	35.97	-55.89	-13.00	42.89	265	61	Vertical
2	7988.675	46.55	-42.20	37.00	-53.91	-13.00	40.91	142	355	Vertical
3	8614.275	45.29	-40.95	37.77	-53.15	-13.00	40.15	188	151	Vertical
4	10365.2700	37.93	-38.81	38.85	-57.28	-13.00	44.28	149	258	Vertical
5	13820.3600	32.24	-36.11	39.98	-59.15	-13.00	46.15	175	319	Vertical
6	17275.4500	35.38	-35.16	38.70	-56.33	-13.00	43.33	173	319	Vertical



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Test Band = 5G NR SA Band78_ TM1
Test Channel = High 3450-3550 ANT5

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7010.1800	46.91	-43.06	36.11	-55.30	-13.00	42.30	211	182	Horizontal
2	8410.15	46.74	-41.41	37.35	-52.58	-13.00	39.58	145	75	Horizontal
3	8942.025	44.67	-40.89	38.17	-53.32	-13.00	40.32	261	198	Horizontal
4	10515.2700	38.27	-38.64	38.98	-56.66	-13.00	43.66	135	75	Horizontal
5	14020.3600	30.53	-35.04	40.15	-59.62	-13.00	46.62	185	336	Horizontal
6	17525.4500	32.51	-33.81	39.28	-57.28	-13.00	44.28	117	167	Horizontal

Test Band = 5G NR SA Band78_ TM1
Test Channel = High 3450-3550 ANT5

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7010.1800	46.58	-43.06	36.11	-55.63	-13.00	42.63	156	334	Vertical
2	7835.725	47.76	-42.64	36.82	-53.32	-13.00	40.32	142	346	Vertical
3	8407.275	46.74	-41.40	37.35	-52.58	-13.00	39.58	196	60	Vertical
4	10515.2700	35.56	-38.64	38.98	-59.37	-13.00	46.37	128	358	Vertical
5	14020.3600	31.25	-35.04	40.15	-58.90	-13.00	45.90	133	180	Vertical
6	17525.4500	33.14	-33.81	39.28	-56.65	-13.00	43.65	216	305	Vertical



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Test Band = 5G NR SA Band78_ TM1
Test Channel = Low 3450-3550 ANT6

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6810.1800	45.61	-43.61	35.85	-57.41	-13.00	44.41	215	14	Horizontal
2	7855.85	44.66	-42.67	36.84	-56.43	-13.00	43.43	148	360	Horizontal
3	8423.95	44.73	-41.47	37.38	-54.62	-13.00	41.62	196	318	Horizontal
4	10215.2700	32.98	-39.23	38.81	-62.70	-13.00	49.70	125	360	Horizontal
5	13620.3600	29.04	-36.03	40.13	-62.12	-13.00	49.12	175	135	Horizontal
6	17025.4500	30.89	-33.71	38.51	-59.57	-13.00	46.57	133	104	Horizontal

Test Band = 5G NR SA Band78_ TM1
Test Channel = Low 3450-3550 ANT6

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6810.1800	46.21	-43.61	35.85	-56.81	-13.00	43.81	256	196	Vertical
2	8055.375	42.73	-41.69	37.03	-57.19	-13.00	44.19	142	213	Vertical
3	8933.4	42.21	-40.90	38.16	-55.79	-13.00	42.79	199	135	Vertical
4	10215.2700	32.33	-39.23	38.81	-63.35	-13.00	50.35	183	180	Vertical
5	13620.3600	29.20	-36.03	40.13	-61.96	-13.00	48.96	251	4	Vertical
6	17025.4500	31.40	-33.71	38.51	-59.06	-13.00	46.06	142	180	Vertical



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Test Band = 5G NR SA Band78_ TM1
Test Channel = Mid 3450-3550 ANT6

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6910.1800	45.80	-43.80	35.97	-57.29	-13.00	44.29	265	360	Horizontal
2	8430.85	45.07	-41.50	37.39	-54.30	-13.00	41.30	142	165	Horizontal
3	8939.15	41.91	-40.89	38.16	-56.08	-13.00	43.08	138	226	Horizontal
4	10365.2700	32.11	-38.81	38.85	-63.10	-13.00	50.10	192	179	Horizontal
5	13820.3600	29.49	-36.11	39.98	-61.90	-13.00	48.90	147	317	Horizontal
6	17275.4500	31.49	-35.16	38.70	-60.22	-13.00	47.22	180	14	Horizontal

Test Band = 5G NR SA Band78_ TM1
Test Channel = Mid 3450-3550 ANT6

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6910.1800	47.00	-43.80	35.97	-56.09	-13.00	43.09	222	106	Vertical
2	8411.3	44.47	-41.42	37.35	-54.85	-13.00	41.85	168	166	Vertical
3	9481.95	40.81	-39.95	38.47	-55.93	-13.00	42.93	149	273	Vertical
4	10365.2700	32.15	-38.81	38.85	-63.06	-13.00	50.06	198	258	Vertical
5	13820.3600	29.60	-36.11	39.98	-61.79	-13.00	48.79	178	14	Vertical
6	17275.4500	30.70	-35.16	38.70	-61.01	-13.00	48.01	140	121	Vertical



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Test Band = 5G NR SA Band78_ TM1
Test Channel = High 3450-3550 ANT6

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7010.1800	46.53	-43.06	36.11	-55.68	-13.00	42.68	211	354	Horizontal
2	8433.15	45.03	-41.51	37.40	-54.34	-13.00	41.34	265	30	Horizontal
3	9459.525	40.86	-39.94	38.48	-55.87	-13.00	42.87	250	74	Horizontal
4	10515.2700	31.81	-38.64	38.98	-63.12	-13.00	50.12	147	210	Horizontal
5	14020.3600	26.83	-35.04	40.15	-63.32	-13.00	50.32	190	359	Horizontal
6	17525.4500	28.95	-33.81	39.28	-60.84	-13.00	47.84	132	359	Horizontal

Test Band = 5G NR SA Band78_ TM1
Test Channel = High 3450-3550 ANT6

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7010.1800	45.41	-43.06	36.11	-56.80	-13.00	43.80	284	289	Vertical
2	8411.875	44.13	-41.42	37.35	-55.20	-13.00	42.20	174	360	Vertical
3	9468.725	40.62	-39.95	38.47	-56.11	-13.00	43.11	196	4	Vertical
4	10515.2700	33.05	-38.64	38.98	-61.88	-13.00	48.88	153	62	Vertical
5	14020.3600	27.55	-35.04	40.15	-62.60	-13.00	49.60	142	77	Vertical
6	17525.4500	29.10	-33.81	39.28	-60.69	-13.00	47.69	160	259	Vertical



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Test Band = 5G NR NSA 5A-N78A_TM1
Test Channel = Low ANT4 3450-3550 WORSE

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6810.1800	47.78	-43.61	35.85	-55.24	-13.00	42.24	185	106	Horizontal
2	7392.975	48.40	-42.83	36.49	-53.19	-13.00	40.19	122	136	Horizontal
3	8538.95	46.69	-41.45	37.62	-52.39	-13.00	39.39	263	347	Horizontal
4	10215.2700	38.48	-39.23	38.81	-57.20	-13.00	44.20	142	289	Horizontal
5	13620.3600	32.24	-36.03	40.13	-58.92	-13.00	45.92	171	3	Horizontal
6	17025.4500	32.74	-33.71	38.51	-57.72	-13.00	44.72	133	3	Horizontal

Test Band = 5G NR NSA 5A-N78A_TM1
Test Channel = Low ANT4 3450-3550 WORSE

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6810.1800	47.16	-43.61	35.85	-55.86	-13.00	42.86	298	243	Vertical
2	7800.075	47.92	-42.58	36.78	-53.14	-13.00	40.14	175	105	Vertical
3	8471.675	46.64	-41.68	37.48	-52.82	-13.00	39.82	146	354	Vertical
4	10215.2700	38.55	-39.23	38.81	-57.13	-13.00	44.13	211	212	Vertical
5	13620.3600	33.04	-36.03	40.13	-58.12	-13.00	45.12	154	288	Vertical
6	17025.4500	31.71	-33.71	38.51	-58.75	-13.00	45.75	133	359	Vertical



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Test Band = 5G NR NSA 5A-N78A_TM1
Test Channel = Mid ANT4 3450-3550 WORSE

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6910.1800	48.43	-43.80	35.97	-54.66	-13.00	41.66	256	120	Horizontal
2	8406.7	47.59	-41.40	37.34	-51.72	-13.00	38.72	145	240	Horizontal
3	8923.05	44.77	-40.90	38.15	-53.24	-13.00	40.24	186	317	Horizontal
4	10365.2700	36.94	-38.81	38.85	-58.27	-13.00	45.27	195	353	Horizontal
5	13820.3600	33.61	-36.11	39.98	-57.78	-13.00	44.78	147	74	Horizontal
6	17275.4500	35.97	-35.16	38.70	-55.74	-13.00	42.74	153	179	Horizontal

Test Band = 5G NR NSA 5A-N78A_TM1
Test Channel = Mid ANT4 3450-3550 WORSE

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6910.1800	47.80	-43.80	35.97	-55.29	-13.00	42.29	254	359	Vertical
2	8078.375	45.89	-41.51	37.04	-53.84	-13.00	40.84	126	358	Vertical
3	8560.8	45.97	-41.25	37.67	-52.87	-13.00	39.87	122	122	Vertical
4	10365.2700	37.15	-38.81	38.85	-58.06	-13.00	45.06	291	258	Vertical
5	13820.3600	33.80	-36.11	39.98	-57.59	-13.00	44.59	148	305	Vertical
6	17275.4500	34.66	-35.16	38.70	-57.05	-13.00	44.05	213	244	Vertical



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Test Band = 5G NR NSA 5A-N78A_TM1
Test Channel = High ANT4 3450-3550 WORSE

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7010.1800	48.08	-43.06	36.11	-54.13	-13.00	41.13	284	302	Horizontal
2	8035.825	46.16	-41.85	37.02	-53.92	-13.00	40.92	186	317	Horizontal
3	8409.575	46.84	-41.41	37.35	-52.48	-13.00	39.48	251	151	Horizontal
4	10515.2700	36.60	-38.64	38.98	-58.33	-13.00	45.33	146	120	Horizontal
5	14020.3600	30.83	-35.04	40.15	-59.32	-13.00	46.32	291	353	Horizontal
6	17525.4500	32.84	-33.81	39.28	-56.95	-13.00	43.95	173	359	Horizontal

Test Band = 5G NR NSA 5A-N78A_TM1
Test Channel = High ANT4 3450-3550 WORSE

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7010.1800	47.21	-43.06	36.11	-55.00	-13.00	42.00	145	240	Vertical
2	8471.675	48.00	-41.68	37.48	-51.46	-13.00	38.46	258	104	Vertical
3	9427.325	42.85	-39.93	38.48	-53.86	-13.00	40.86	196	359	Vertical
4	10515.2700	35.26	-38.64	38.98	-59.67	-13.00	46.67	142	270	Vertical
5	14020.3600	30.49	-35.04	40.15	-59.66	-13.00	46.66	133	164	Vertical
6	17525.4500	32.09	-33.81	39.28	-57.70	-13.00	44.70	251	29	Vertical

Remark:

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

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Pre-amplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

2) all the ENDC were tested, but only showed the worst case in this report.



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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
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	VH	NT	9.700000	0.002771	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	VN	NT	8.700000	0.002486	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	VL	NT	8.100000	0.002314	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	VH	NT	17.000000	0.004857	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	VN	NT	10.500000	0.003000	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	VL	NT	9.800000	0.002800	PASS



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Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-30	8.600000	0.002457	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-20	10.900000	0.003114	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-10	6.400000	0.001829	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	0	7.600000	0.002171	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	10	4.300000	0.001229	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	20	13.500000	0.003857	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	30	12.800000	0.003657	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	40	3.400000	0.000971	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	50	9.100000	0.002600	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	-30	7.400000	0.002114	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	-20	4.100000	0.001171	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	-10	7.300000	0.002086	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	0	2.200000	0.000629	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	10	8.300000	0.002371	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	20	4.700000	0.001343	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	30	3.400000	0.000971	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	40	6.500000	0.001857	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	50	6.700000	0.001914	PASS

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