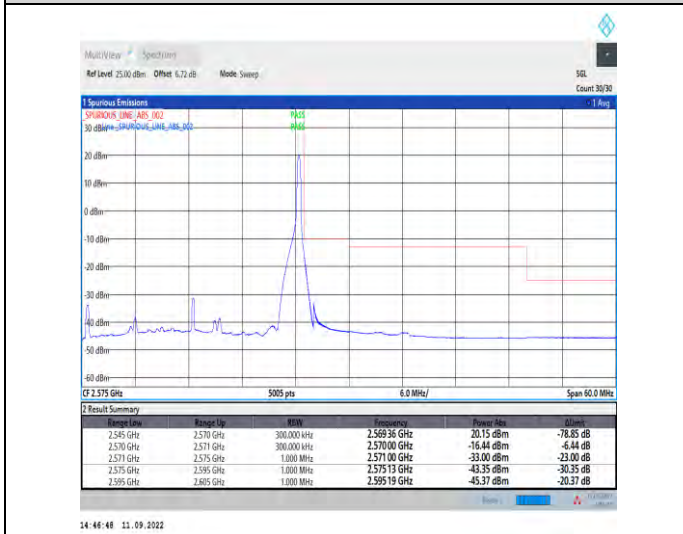


1-N7--15-25-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@1
 32-Ant1-1--PASS-see graph

1-N7--15-25-H-3-DFT-PI2BPSK-Outer_Full-128@
 0-Ant1-1--PASS-see graph



1-N7--15-25-H-5-CP-QPSK-Edge_1RB_Right-1@132-
 Ant1-1--PASS-see graph

1-N7--15-25-H-6-CP-QPSK-Outer_Full-133@0-Ant
 t1-1--PASS-see graph



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1-N7--15-30-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



1-N7--15-30-L-3-DFT-PI2BPSK-Outer_Full-160@0-Ant1-1--PASS-see graph



1-N7--15-30-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



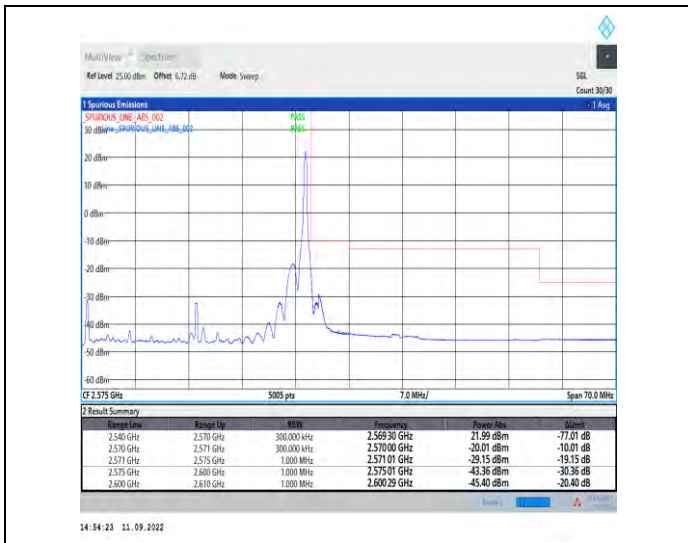
1-N7--15-30-L-6-CP-QPSK-Outer_Full-160@0-Ant1-1--PASS-see graph



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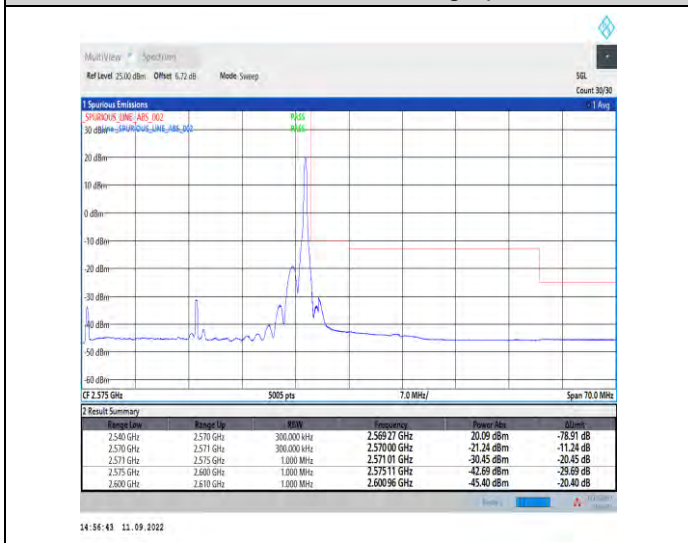
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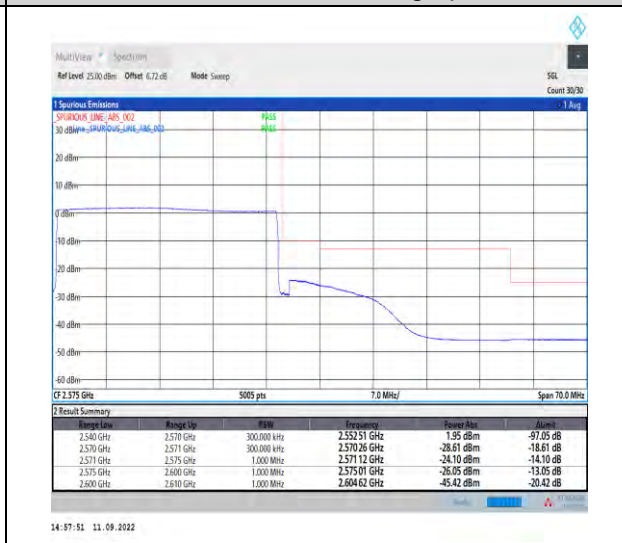
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1-N7--15-30-H-3-DFT-PI2BPSK-Outer_Full-160@0-Ant1-1--PASS-see graph



1-N7--15-30-H-5-CP-QPSK-Edge_1RB_Right-1@159-Ant1-1--PASS-see graph

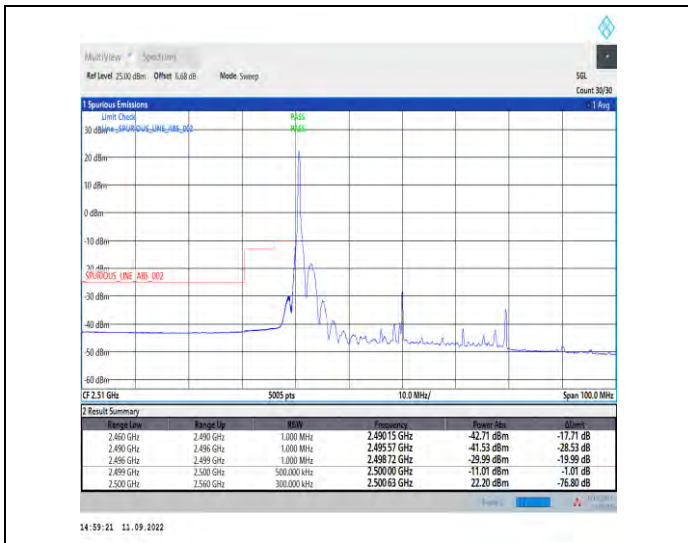


1-N7--15-30-H-6-CP-QPSK-Outer_Full-160@0-Ant1-1--PASS-see graph

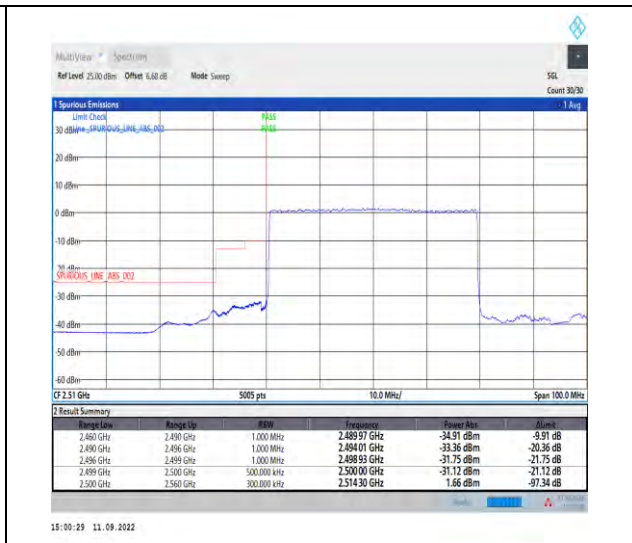


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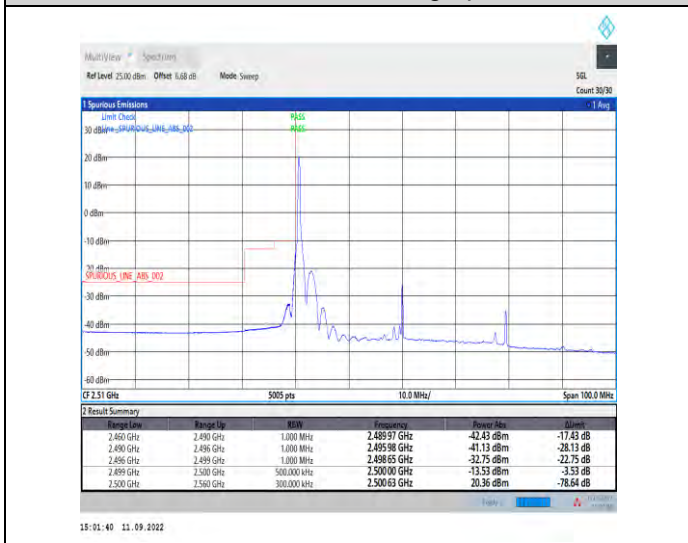
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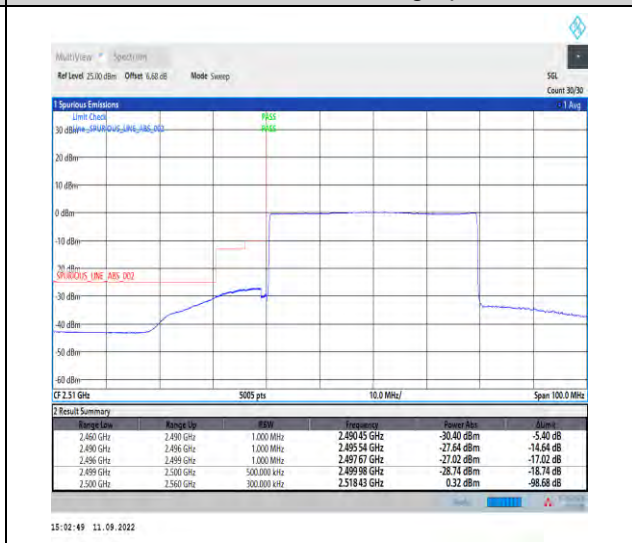
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1-N7--15-40-L-3-DFT-PI2BPSK-Outer_Full-216@0-Ant1-1--PASS-see graph



1-N7--15-40-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



1-N7--15-40-L-6-CP-QPSK-Outer_Full-216@0-Ant1-1--PASS-see graph

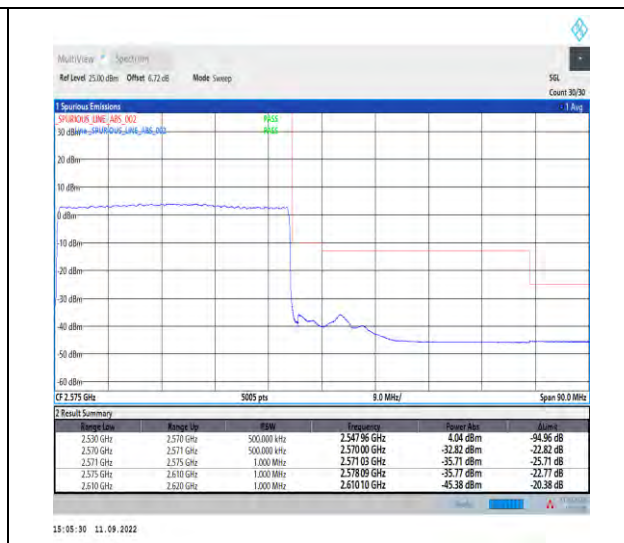


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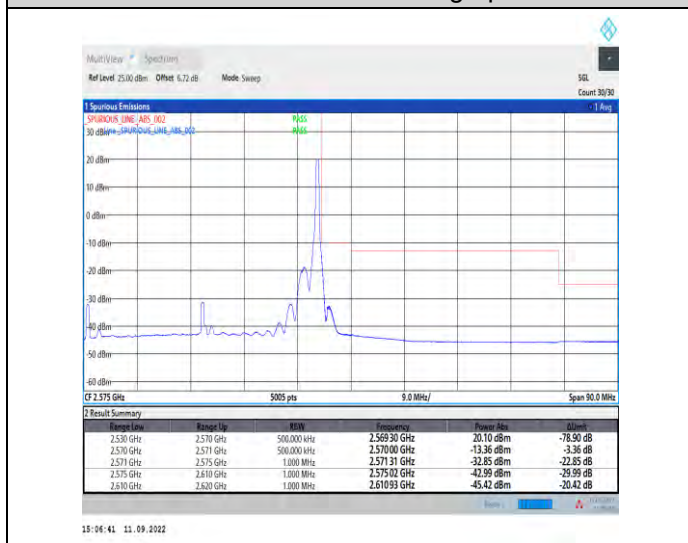
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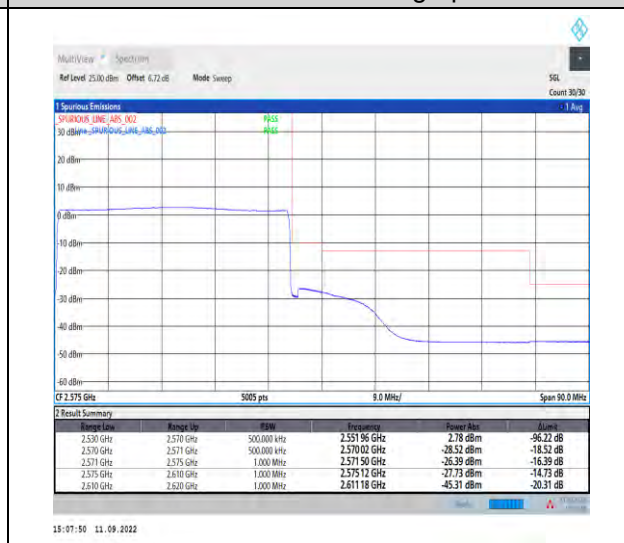
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 15-Ant1-1--PASS-see graph



1-N7--15-40-H-3-DFT-PI2BPSK-Outer_Full-216@
 0-Ant1-1--PASS-see graph



1-N7--15-40-H-5-CP-QPSK-Edge_1RB_Right-1@215-
 Ant1-1--PASS-see graph



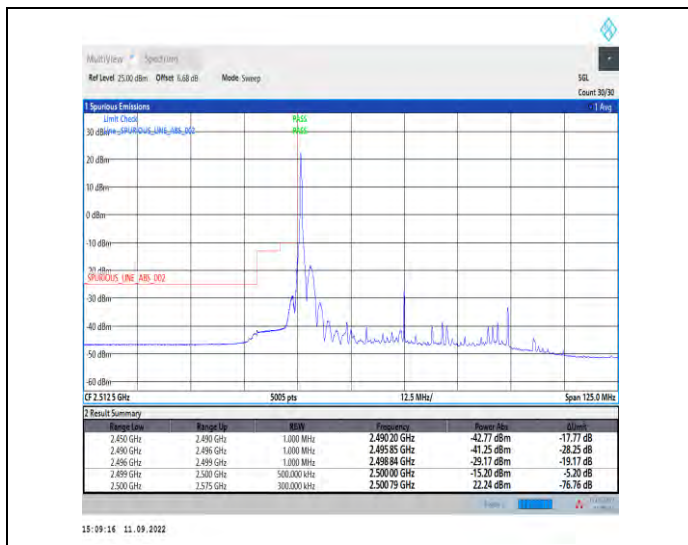
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 t1-1--PASS-see graph



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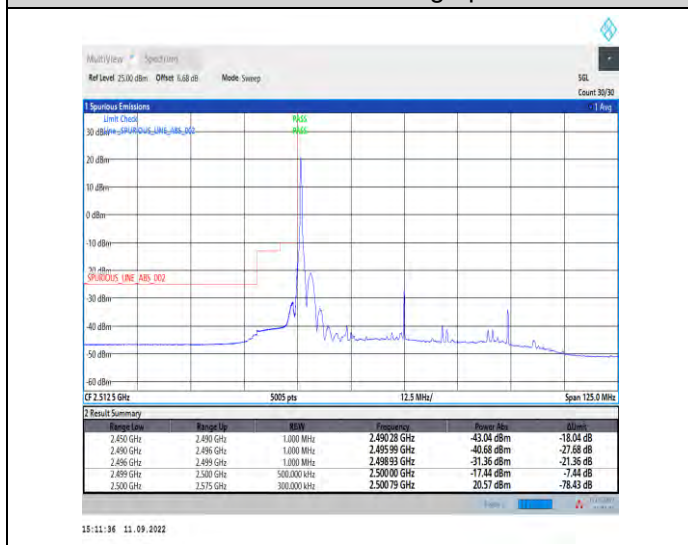
Report No.: SEWM2209000170RG02
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1-N7--15-50-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



1-N7--15-50-L-3-DFT-PI2BPSK-Outer_Full-270@0-Ant1-1--PASS-see graph



1-N7--15-50-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



1-N7--15-50-L-6-CP-QPSK-Outer_Full-270@0-Ant1-1--PASS-see graph



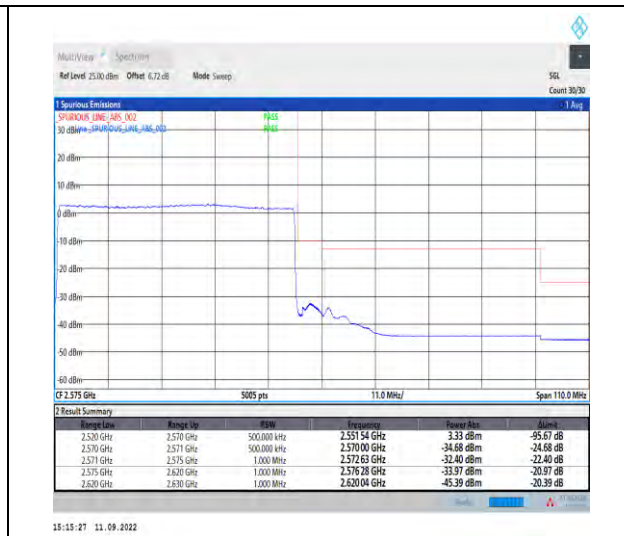
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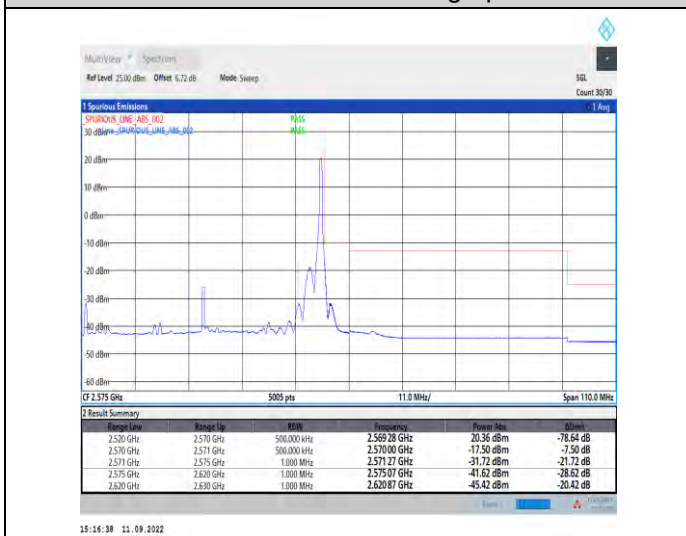
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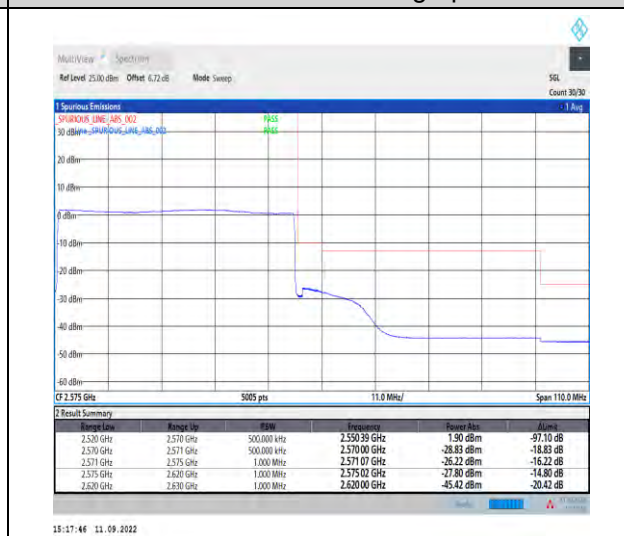
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 69-Ant1-1--PASS-see graph



1-N7--15-50-H-3-DFT-PI2BPSK-Outer_Full-270@
 0-Ant1-1--PASS-see graph



1-N7--15-50-H-5-CP-QPSK-Edge_1RB_Right-1@269-
 Ant1-1--PASS-see graph



1-N7--15-50-H-6-CP-QPSK-Outer_Full-270@0-An
 t1-1--PASS-see graph

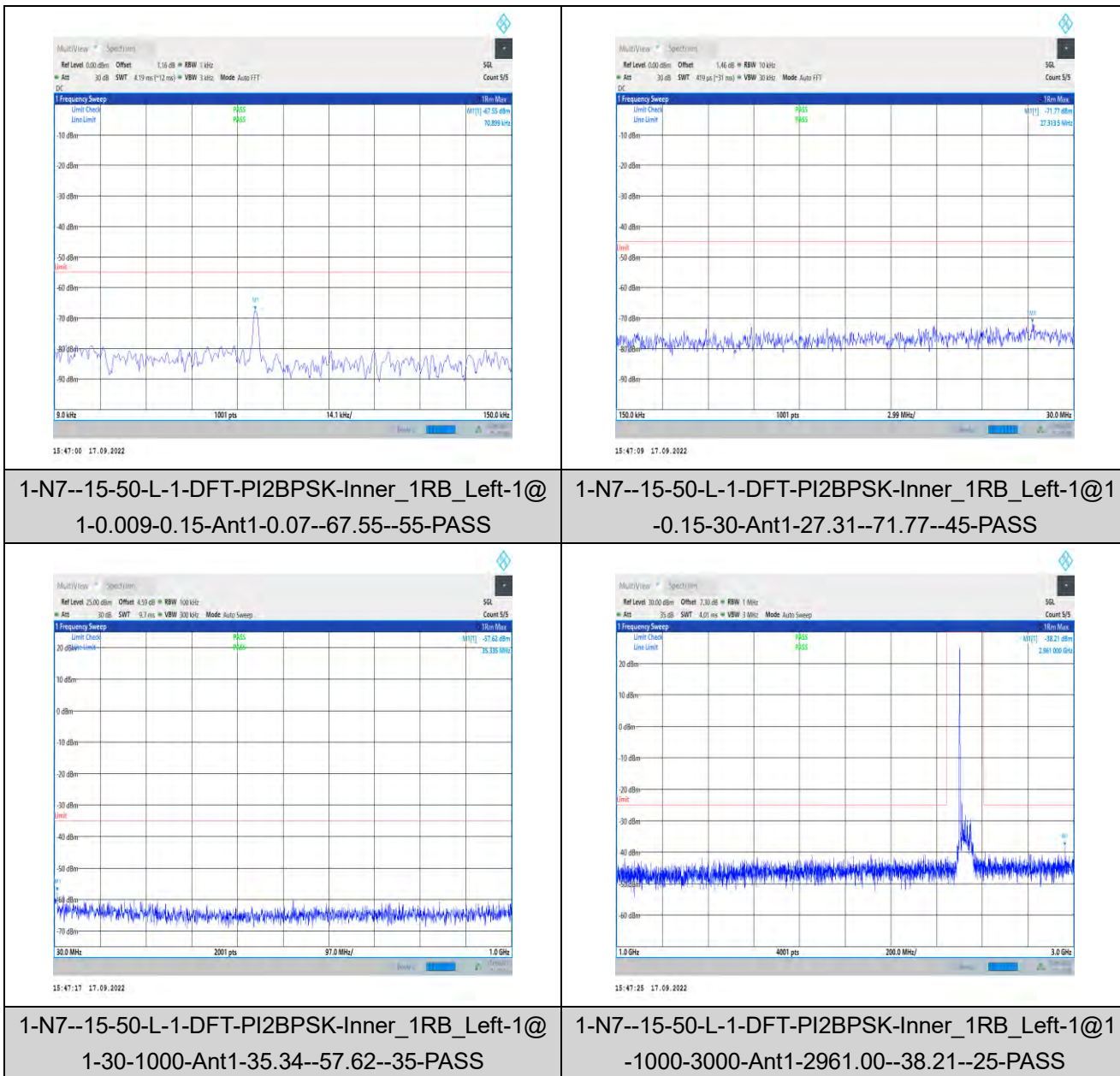


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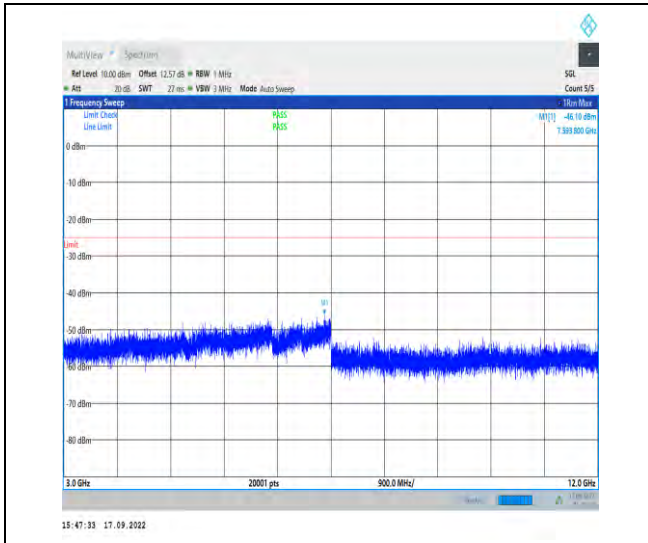
Conducted Spurious Emission for SA

Test Graphs

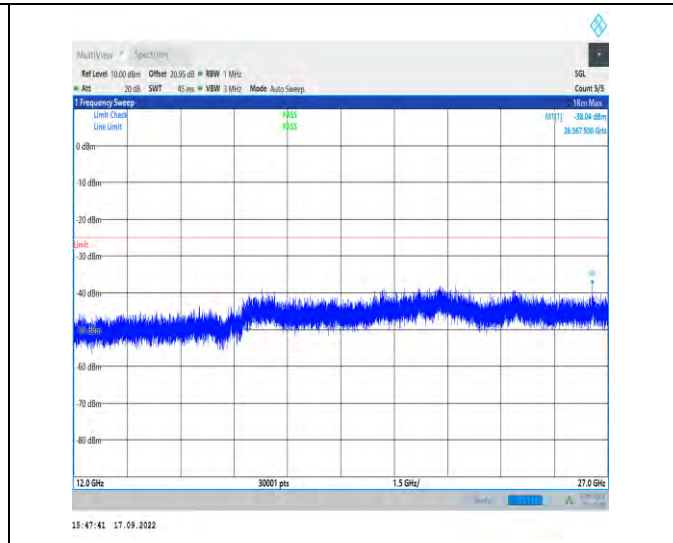


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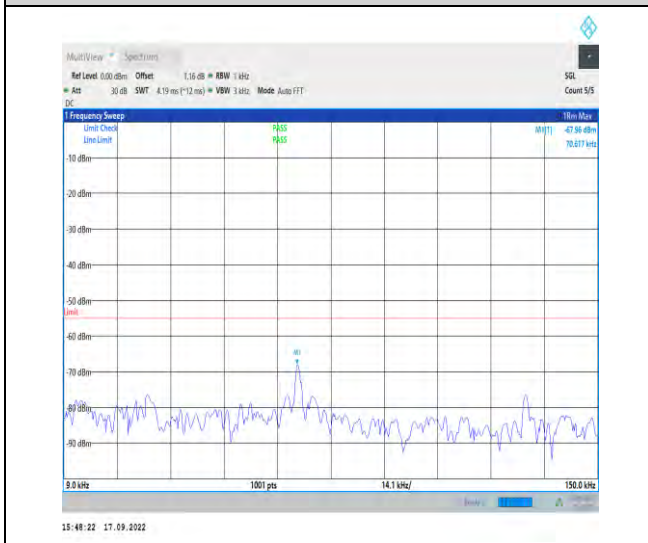
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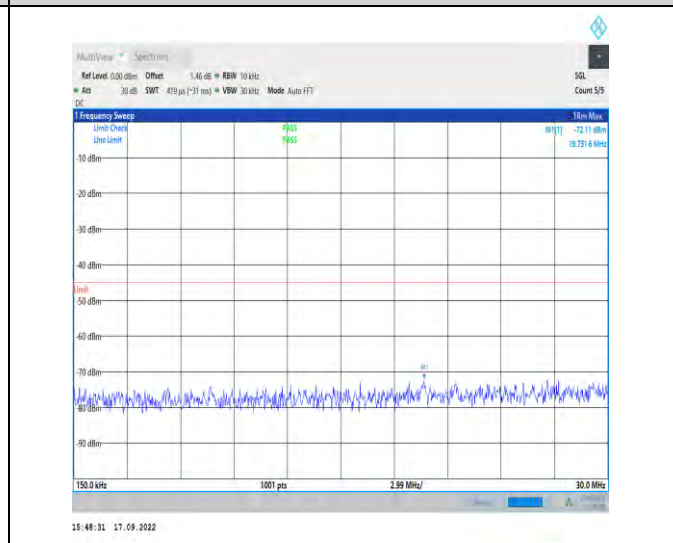
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1-N7--15-50-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@
 -12000-27000-Ant1-26567.50--38.04--25-PASS



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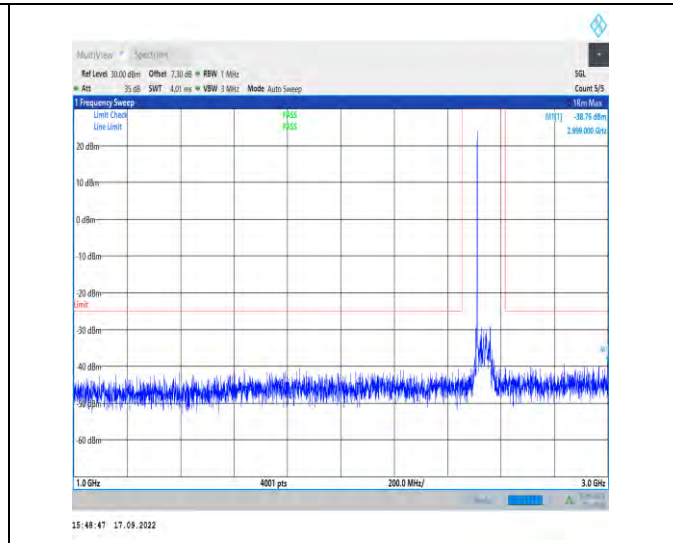
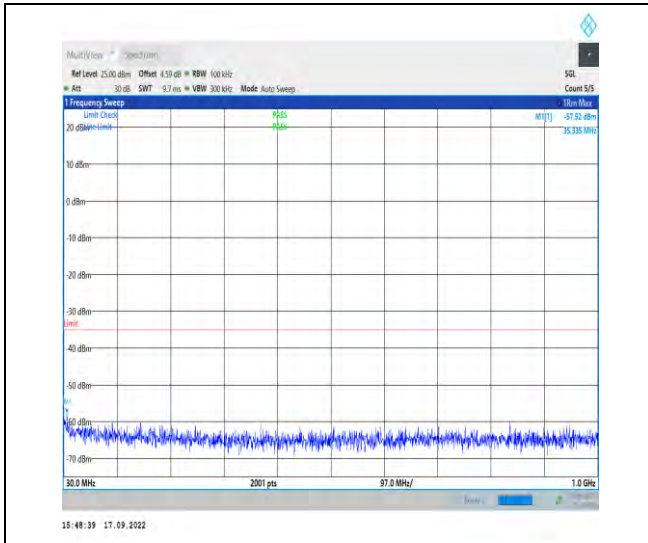


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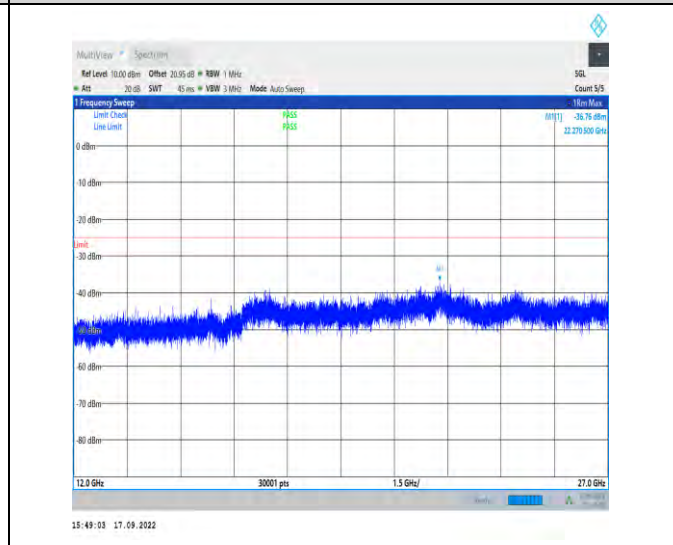
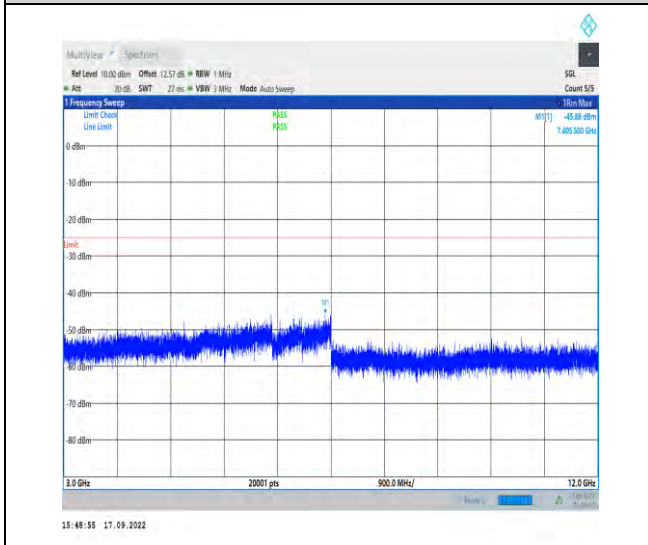
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1-N7--15-50-M-1-DFT-PI2BPSK-Inner_1RB_Left-1
 @1-30-1000-Ant1-35.34--57.92--35-PASS

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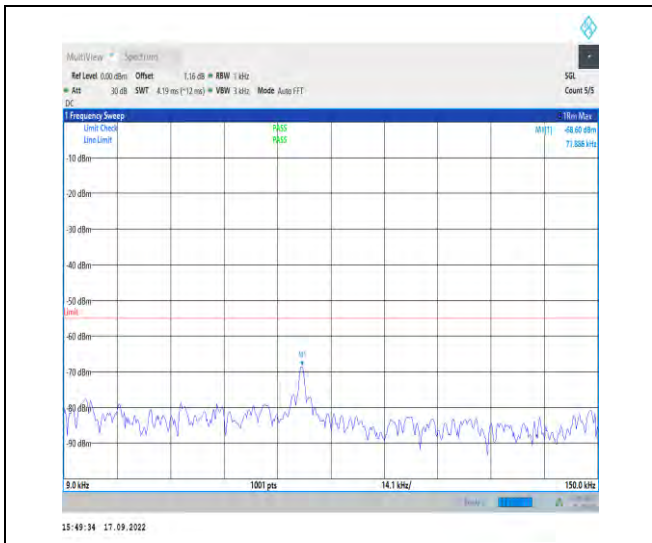
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 @1-3000-12000-Ant1-7405.50--45.88--25-PASS

1-N7--15-50-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@
 1-12000-27000-Ant1-22270.50--36.76--25-PASS

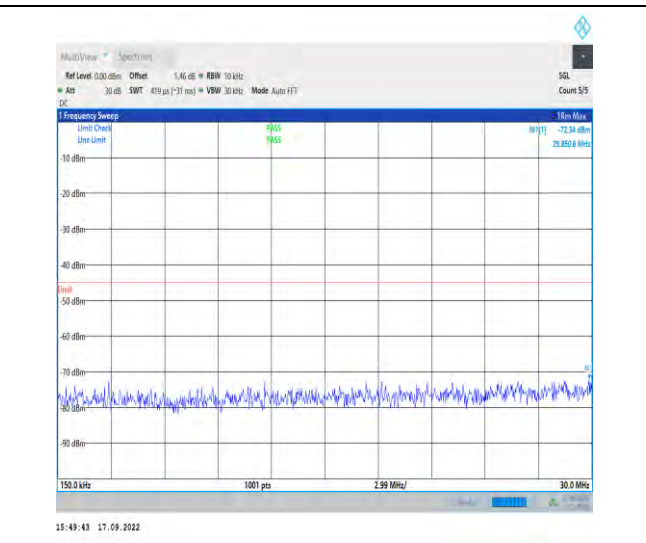


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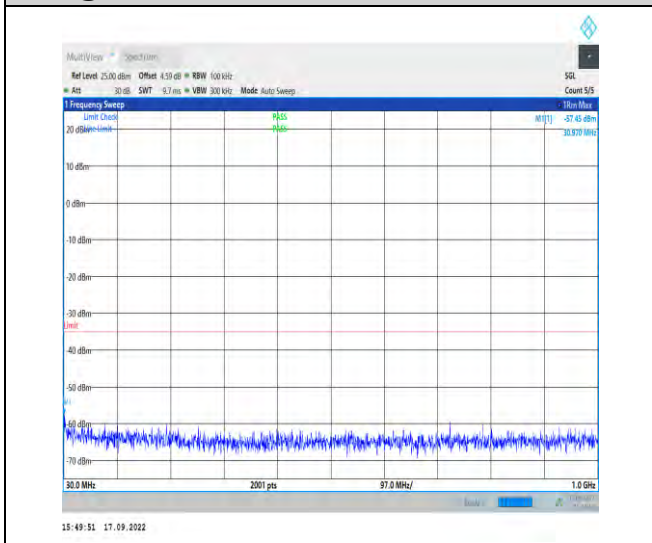
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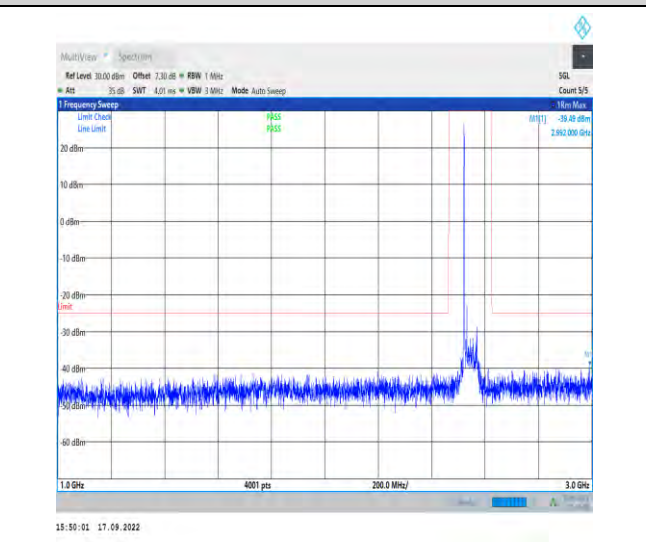
1-N7--15-50-H-1-DFT-PI2BPSK-Inner_1RB_Left-1 @ 1-0.009-0.15-Ant1-0.07--68.60--55-PASS



1-N7--15-50-H-1-DFT-PI2BPSK-Inner_1RB_Left-1 @ 1-0.15-30-Ant1-29.85--72.34--45-PASS



1-N7--15-50-H-1-DFT-PI2BPSK-Inner_1RB_Left-1 @ 1-30-1000-Ant1-30.97--57.45--35-PASS

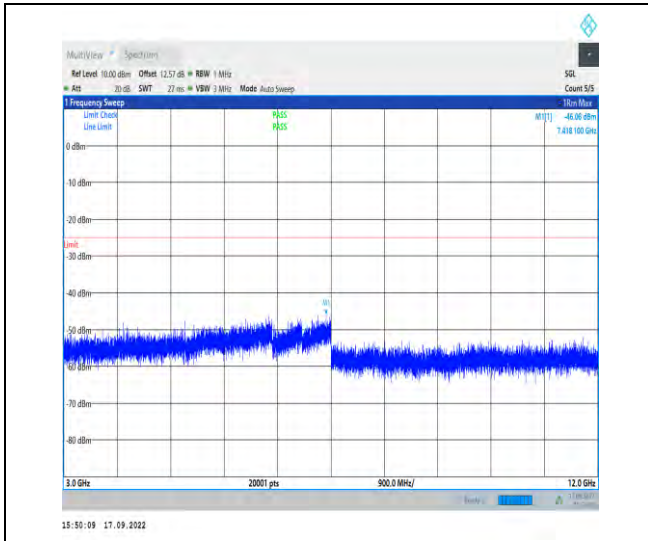


1-N7--15-50-H-1-DFT-PI2BPSK-Inner_1RB_Left-1 @ 1-1000-3000-Ant1-2992.00--39.49--25-PASS

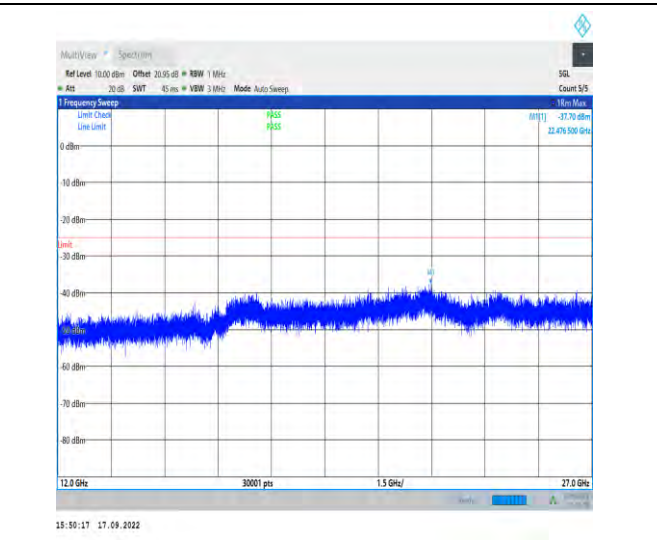


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1-N7--15-50-H-1-DFT-PI2BPSK-Inner_1RB_Left-1
@1-3000-12000-Ant1-7418.10--46.06--25-PASS



1-N7--15-50-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-12000-27000-Ant1-22476.50--37.70--25-PASS



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Field Strength of Spurious Radiation

Test Band = 5G NR SA Band7_ TM1
 Test Channel = Low ANT0

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5004.1800	48.22	-45.63	32.88	-59.78	-25.00	34.78	213	224	Horizontal
2	7506.2700	44.31	-43.13	36.44	-57.64	-25.00	32.64	163	285	Horizontal
3	10008.3600	36.02	-39.23	38.50	-59.97	-25.00	34.97	142	102	Horizontal
4	12510.4500	31.50	-37.02	39.19	-61.60	-25.00	36.60	128	224	Horizontal
5	15012.5400	28.63	-34.67	39.20	-62.10	-25.00	37.10	215	73	Horizontal
6	17514.6300	31.13	-34.82	39.24	-59.71	-25.00	34.71	229	255	Horizontal

Test Band = 5G NR SA Band7_ TM1
 Test Channel = Low ANT0

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5004.1800	48.15	-45.63	32.88	-59.85	-25.00	34.85	214	25	Vertical
2	7506.2700	44.43	-43.13	36.44	-57.52	-25.00	32.52	256	147	Vertical
3	10008.3600	36.52	-39.23	38.50	-59.47	-25.00	34.47	163	1	Vertical
4	12510.4500	31.89	-37.02	39.19	-61.21	-25.00	36.21	196	102	Vertical
5	15012.5400	29.23	-34.67	39.20	-61.50	-25.00	36.50	187	316	Vertical
6	17514.6300	31.89	-34.82	39.24	-58.95	-25.00	33.95	164	116	Vertical



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Test Band = 5G NR SA Band7_ TM1
Test Channel = Mid ANT0

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5034.1800	48.21	-45.55	32.90	-59.70	-25.00	34.70	233	0	Horizontal
2	7551.2700	44.79	-43.03	36.41	-57.09	-25.00	32.09	216	329	Horizontal
3	10068.3600	36.58	-39.16	38.60	-59.24	-25.00	34.24	156	238	Horizontal
4	12585.4500	31.39	-37.52	39.27	-62.13	-25.00	37.13	197	101	Horizontal
5	15102.5400	31.39	-34.92	39.08	-59.71	-25.00	34.71	165	269	Horizontal
6	17619.6300	31.67	-33.39	39.66	-57.32	-25.00	32.32	183	193	Horizontal

Test Band = 5G NR SA Band7_ TM1
Test Channel = Mid ANT0

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5034.1800	47.69	-45.55	32.90	-60.22	-25.00	35.22	255	2	Vertical
2	7551.2700	44.64	-43.03	36.41	-57.24	-25.00	32.24	214	284	Vertical
3	10068.3600	37.25	-39.16	38.60	-58.57	-25.00	33.57	263	0	Vertical
4	12585.4500	32.08	-37.52	39.27	-61.44	-25.00	36.44	168	160	Vertical
5	15102.5400	31.08	-34.92	39.08	-60.02	-25.00	35.02	196	13	Vertical
6	17619.6300	31.61	-33.39	39.66	-57.38	-25.00	32.38	174	356	Vertical



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Test Band = 5G NR SA Band7_ TM1
Test Channel = High ANT0

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5064.1800	47.93	-45.47	32.92	-59.88	-25.00	34.88	132	24	Horizontal
2	7596.2700	44.28	-42.94	36.39	-57.53	-25.00	32.53	152	116	Horizontal
3	10128.3600	37.00	-39.23	38.70	-58.79	-25.00	33.79	146	0	Horizontal
4	12660.4500	32.32	-37.05	39.39	-60.60	-25.00	35.60	163	24	Horizontal
5	15192.5400	30.82	-33.99	38.96	-59.47	-25.00	34.47	176	315	Horizontal
6	17724.6300	32.14	-34.18	40.33	-56.96	-25.00	31.96	198	329	Horizontal

Test Band = 5G NR SA Band7_ TM1
Test Channel = High ANT0

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5064.1800	47.57	-45.47	32.92	-60.24	-25.00	35.24	264	13	Vertical
2	7596.2700	44.67	-42.94	36.39	-57.14	-25.00	32.14	251	14	Vertical
3	10128.3600	34.97	-39.23	38.70	-60.82	-25.00	35.82	142	314	Vertical
4	12660.4500	32.52	-37.05	39.39	-60.40	-25.00	35.40	163	25	Vertical
5	15192.5400	30.42	-33.99	38.96	-59.87	-25.00	34.87	194	13	Vertical
6	17724.6300	32.68	-34.18	40.33	-56.42	-25.00	31.42	172	356	Vertical



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Test Band = 5G NR SA Band7_ TM1
Test Channel = Low ANT1

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5004.1800	48.53	-45.63	32.88	-59.47	-25.00	34.47	216	134	Horizontal
2	7506.2700	45.28	-43.13	36.44	-56.67	-25.00	31.67	163	117	Horizontal
3	10008.3600	37.50	-39.23	38.50	-58.49	-25.00	33.49	198	86	Horizontal
4	12510.4500	32.22	-37.02	39.19	-60.88	-25.00	35.88	174	357	Horizontal
5	15012.5400	30.58	-34.67	39.20	-60.15	-25.00	35.15	215	134	Horizontal
6	17514.6300	32.31	-34.82	39.24	-58.53	-25.00	33.53	221	315	Horizontal

Test Band = 5G NR SA Band7_ TM1
Test Channel = Low ANT1

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5004.1800	48.64	-45.63	32.88	-59.36	-25.00	34.36	163	118	Vertical
2	7506.2700	45.43	-43.13	36.44	-56.52	-25.00	31.52	152	0	Vertical
3	10008.3600	38.29	-39.23	38.50	-57.70	-25.00	32.70	167	193	Vertical
4	12510.4500	31.57	-37.02	39.19	-61.53	-25.00	36.53	186	300	Vertical
5	15012.5400	30.23	-34.67	39.20	-60.50	-25.00	35.50	192	0	Vertical
6	17514.6300	31.39	-34.82	39.24	-59.45	-25.00	34.45	197	269	Vertical



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Test Band = 5G NR SA Band7_ TM1
Test Channel = Mid ANT1

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5034.1800	48.03	-45.55	32.90	-59.88	-25.00	34.88	136	55	Horizontal
2	7551.2700	44.89	-43.03	36.41	-56.99	-25.00	31.99	156	0	Horizontal
3	10068.3600	36.63	-39.16	38.60	-59.19	-25.00	34.19	179	357	Horizontal
4	12585.4500	33.09	-37.52	39.27	-60.43	-25.00	35.43	214	356	Horizontal
5	15102.5400	29.96	-34.92	39.08	-61.14	-25.00	36.14	221	1	Horizontal
6	17619.6300	32.41	-33.39	39.66	-56.58	-25.00	31.58	252	0	Horizontal

Test Band = 5G NR SA Band7_ TM1
Test Channel = Mid ANT1

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5034.1800	48.71	-45.55	32.90	-59.20	-25.00	34.20	213	85	Vertical
2	7551.2700	44.98	-43.03	36.41	-56.90	-25.00	31.90	219	2	Vertical
3	10068.3600	38.39	-39.16	38.60	-57.43	-25.00	32.43	251	329	Vertical
4	12585.4500	32.50	-37.52	39.27	-61.02	-25.00	36.02	163	0	Vertical
5	15102.5400	30.25	-34.92	39.08	-60.85	-25.00	35.85	171	40	Vertical
6	17619.6300	32.22	-33.39	39.66	-56.77	-25.00	31.77	156	160	Vertical



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Test Band = 5G NR SA Band7_ TM1
Test Channel = High ANT1

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5064.1800	47.41	-45.47	32.92	-60.40	-25.00	35.40	163	2	Horizontal
2	7596.2700	44.33	-42.94	36.39	-57.48	-25.00	32.48	216	303	Horizontal
3	10128.3600	33.97	-39.23	38.70	-61.82	-25.00	36.82	142	238	Horizontal
4	12660.4500	32.88	-37.05	39.39	-60.04	-25.00	35.04	179	165	Horizontal
5	15192.5400	29.63	-33.99	38.96	-60.66	-25.00	35.66	182	209	Horizontal
6	17724.6300	33.61	-34.18	40.33	-55.49	-25.00	30.49	213	0	Horizontal

Test Band = 5G NR SA Band7_ TM1
Test Channel = High ANT1

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5064.1800	47.89	-45.47	32.92	-59.92	-25.00	34.92	231	0	Vertical
2	7596.2700	43.93	-42.94	36.39	-57.88	-25.00	32.88	142	130	Vertical
3	10128.3600	34.44	-39.23	38.70	-61.35	-25.00	36.35	156	1	Vertical
4	12660.4500	31.73	-37.05	39.39	-61.19	-25.00	36.19	197	221	Vertical
5	15192.5400	29.16	-33.99	38.96	-61.13	-25.00	36.13	214	12	Vertical
6	17724.6300	32.21	-34.18	40.33	-56.89	-25.00	31.89	228	54	Vertical



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Test Band = 5G NR SA Band7_ TM1
Test Channel = Low 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	5004.1800	47.77	-45.63	32.88	-60.23	-25.00	35.23	216	300	Horizontal
2	7506.2700	44.02	-43.13	36.44	-57.93	-25.00	32.93	214	285	Horizontal
3	10008.3600	35.69	-39.23	38.50	-60.30	-25.00	35.30	251	99	Horizontal
4	12510.4500	30.72	-37.02	39.19	-62.38	-25.00	37.38	168	147	Horizontal
5	15012.5400	28.62	-34.67	39.20	-62.11	-25.00	37.11	175	5	Horizontal
6	17514.6300	32.00	-34.82	39.24	-58.84	-25.00	33.84	196	239	Horizontal

Test Band = 5G NR SA Band7_ TM1
Test Channel = Low 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	5004.1800	48.51	-45.63	32.88	-59.49	-25.00	34.49	213	255	Vertical
2	7506.2700	44.12	-43.13	36.44	-57.83	-25.00	32.83	215	286	Vertical
3	10008.3600	37.05	-39.23	38.50	-58.94	-25.00	33.94	241	269	Vertical
4	12510.4500	30.18	-37.02	39.19	-62.92	-25.00	37.92	226	178	Vertical
5	15012.5400	29.88	-34.67	39.20	-60.85	-25.00	35.85	195	38	Vertical
6	17514.6300	30.67	-34.82	39.24	-60.17	-25.00	35.17	176	330	Vertical



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Test Band = 5G NR SA Band7_ TM1
Test Channel = Mid 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	5034.1800	48.69	-45.55	32.90	-59.22	-25.00	34.22	213	86	Horizontal
2	7551.2700	44.09	-43.03	36.41	-57.79	-25.00	32.79	224	329	Horizontal
3	10068.3600	37.02	-39.16	38.60	-58.80	-25.00	33.80	156	85	Horizontal
4	12585.4500	30.87	-37.52	39.27	-62.65	-25.00	37.65	198	0	Horizontal
5	15102.5400	29.43	-34.92	39.08	-61.67	-25.00	36.67	172	147	Horizontal
6	17619.6300	30.42	-33.39	39.66	-58.57	-25.00	33.57	159	207	Horizontal

Test Band = 5G NR SA Band7_ TM1
Test Channel = Mid 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	5034.1800	48.48	-45.55	32.90	-59.43	-25.00	34.43	244	211	Vertical
2	7551.2700	44.93	-43.03	36.41	-56.95	-25.00	31.95	156	0	Vertical
3	10068.3600	35.86	-39.16	38.60	-59.96	-25.00	34.96	216	239	Vertical
4	12585.4500	31.94	-37.52	39.27	-61.58	-25.00	36.58	198	86	Vertical
5	15102.5400	30.74	-34.92	39.08	-60.36	-25.00	35.36	176	0	Vertical
6	17619.6300	30.57	-33.39	39.66	-58.42	-25.00	33.42	116	40	Vertical



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Test Band = 5G NR SA Band7_ TM1
Test Channel = High 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	5064.1800	47.68	-45.47	32.92	-60.13	-25.00	35.13	241	129	Horizontal
2	7596.2700	45.00	-42.94	36.39	-56.81	-25.00	31.81	126	356	Horizontal
3	10128.3600	35.56	-39.23	38.70	-60.23	-25.00	35.23	137	0	Horizontal
4	12660.4500	32.54	-37.05	39.39	-60.38	-25.00	35.38	281	193	Horizontal
5	15192.5400	30.31	-33.99	38.96	-59.98	-25.00	34.98	246	357	Horizontal
6	17724.6300	33.62	-34.18	40.33	-55.48	-25.00	30.48	167	0	Horizontal

Test Band = 5G NR SA Band7_ TM1
Test Channel = High 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	5064.1800	48.73	-45.47	32.92	-59.08	-25.00	34.08	159	356	Vertical
2	7596.2700	44.52	-42.94	36.39	-57.29	-25.00	32.29	165	285	Vertical
3	10128.3600	35.14	-39.23	38.70	-60.65	-25.00	35.65	147	346	Vertical
4	12660.4500	33.88	-37.05	39.39	-59.04	-25.00	34.04	128	222	Vertical
5	15192.5400	29.89	-33.99	38.96	-60.40	-25.00	35.40	194	133	Vertical
6	17724.6300	33.02	-34.18	40.33	-56.08	-25.00	31.08	216	116	Vertical



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Test Band = 5G NR SA Band7_ TM1
Test Channel = Low ANT3

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5004.1800	48.26	-45.63	32.88	-59.74	-25.00	34.74	151	1	Horizontal
2	7506.2700	44.85	-43.13	36.44	-57.10	-25.00	32.10	126	42	Horizontal
3	10008.3600	37.77	-39.23	38.50	-58.22	-25.00	33.22	148	0	Horizontal
4	12510.4500	31.47	-37.02	39.19	-61.63	-25.00	36.63	195	148	Horizontal
5	15012.5400	29.85	-34.67	39.20	-60.88	-25.00	35.88	213	133	Horizontal
6	17514.6300	32.03	-34.82	39.24	-58.81	-25.00	33.81	225	133	Horizontal

Test Band = 5G NR SA Band7_ TM1
Test Channel = Low ANT3

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5004.1800	47.97	-45.63	32.88	-60.03	-25.00	35.03	263	25	Vertical
2	7506.2700	45.30	-43.13	36.44	-56.65	-25.00	31.65	245	13	Vertical
3	10008.3600	35.78	-39.23	38.50	-60.21	-25.00	35.21	215	1	Vertical
4	12510.4500	31.08	-37.02	39.19	-62.02	-25.00	37.02	291	117	Vertical
5	15012.5400	29.81	-34.67	39.20	-60.92	-25.00	35.92	158	13	Vertical
6	17514.6300	32.54	-34.82	39.24	-58.30	-25.00	33.30	196	0	Vertical



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Test Band = 5G NR SA Band7_ TM1
Test Channel = Mid ANT3

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5034.1800	48.06	-45.55	32.90	-59.85	-25.00	34.85	159	1	Horizontal
2	7551.2700	46.58	-43.03	36.41	-55.30	-25.00	30.30	216	160	Horizontal
3	10068.3600	36.62	-39.16	38.60	-59.20	-25.00	34.20	224	147	Horizontal
4	12585.4500	32.17	-37.52	39.27	-61.35	-25.00	36.35	213	84	Horizontal
5	15102.5400	30.89	-34.92	39.08	-60.21	-25.00	35.21	157	132	Horizontal
6	17619.6300	31.34	-33.39	39.66	-57.65	-25.00	32.65	185	178	Horizontal

Test Band = 5G NR SA Band7_ TM1
Test Channel = Mid ANT3

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5034.1800	48.57	-45.55	32.90	-59.34	-25.00	34.34	224	0	Vertical
2	7551.2700	46.00	-43.03	36.41	-55.88	-25.00	30.88	156	0	Vertical
3	10068.3600	36.68	-39.16	38.60	-59.14	-25.00	34.14	251	191	Vertical
4	12585.4500	32.29	-37.52	39.27	-61.23	-25.00	36.23	287	163	Vertical
5	15102.5400	30.34	-34.92	39.08	-60.76	-25.00	35.76	193	344	Vertical
6	17619.6300	31.73	-33.39	39.66	-57.26	-25.00	32.26	148	344	Vertical



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Test Band = 5G NR SA Band7_ TM1
Test Channel = High ANT3

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5064.1800	47.82	-45.47	32.92	-59.99	-25.00	34.99	214	16	Horizontal
2	7596.2700	45.28	-42.94	36.39	-56.53	-25.00	31.53	152	74	Horizontal
3	10128.3600	35.99	-39.23	38.70	-59.80	-25.00	34.80	169	106	Horizontal
4	12660.4500	32.76	-37.05	39.39	-60.16	-25.00	35.16	215	360	Horizontal
5	15192.5400	30.27	-33.99	38.96	-60.02	-25.00	35.02	185	46	Horizontal
6	17724.6300	34.03	-34.18	40.33	-55.07	-25.00	30.07	199	77	Horizontal

Test Band = 5G NR SA Band7_ TM1
Test Channel = High ANT3

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5064.1800	49.01	-45.47	32.92	-58.80	-25.00	33.80	136	198	Vertical
2	7596.2700	46.37	-42.94	36.39	-55.44	-25.00	30.44	125	337	Vertical
3	10128.3600	36.14	-39.23	38.70	-59.65	-25.00	34.65	194	323	Vertical
4	12660.4500	32.86	-37.05	39.39	-60.06	-25.00	35.06	158	360	Vertical
5	15192.5400	30.67	-33.99	38.96	-59.62	-25.00	34.62	176	184	Vertical
6	17724.6300	34.34	-34.18	40.33	-54.76	-25.00	29.76	216	136	Vertical



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Test Band = 5G NR NSA 7A-N7A_ TM1
Test Channel = Low ANT3 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	5004.1800	47.37	-45.63	32.88	-60.63	-25.00	35.63	163	1	Horizontal
2	7506.2700	43.80	-43.13	36.44	-58.15	-25.00	33.15	251	254	Horizontal
3	10008.3600	35.99	-39.23	38.50	-60.00	-25.00	35.00	224	164	Horizontal
4	12510.4500	30.14	-37.02	39.19	-62.96	-25.00	37.96	196	43	Horizontal
5	15012.5400	28.76	-34.67	39.20	-61.97	-25.00	36.97	127	24	Horizontal
6	17514.6300	31.26	-34.82	39.24	-59.58	-25.00	34.58	163	2	Horizontal

Test Band = 5G NR NSA 7A-N7A_ TM1
Test Channel = Low ANT3 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	5004.1800	47.86	-45.63	32.88	-60.14	-25.00	35.14	163	0	Vertical
2	7506.2700	45.03	-43.13	36.44	-56.92	-25.00	31.92	152	164	Vertical
3	10008.3600	35.84	-39.23	38.50	-60.15	-25.00	35.15	175	0	Vertical
4	12510.4500	29.65	-37.02	39.19	-63.45	-25.00	38.45	169	147	Vertical
5	15012.5400	29.41	-34.67	39.20	-61.32	-25.00	36.32	186	316	Vertical
6	17514.6300	31.41	-34.82	39.24	-59.43	-25.00	34.43	224	207	Vertical



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Test Band = 5G NR NSA 7A-N7A_ TM1
Test Channel = Mid ANT3 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	5034.1800	48.35	-45.55	32.90	-59.56	-25.00	34.56	158	14	Horizontal
2	7551.2700	45.00	-43.03	36.41	-56.88	-25.00	31.88	172	0	Horizontal
3	10068.3600	34.81	-39.16	38.60	-61.01	-25.00	36.01	163	0	Horizontal
4	12585.4500	30.91	-37.52	39.27	-62.61	-25.00	37.61	229	239	Horizontal
5	15102.5400	29.13	-34.92	39.08	-61.97	-25.00	36.97	241	14	Horizontal
6	17619.6300	30.71	-33.39	39.66	-58.28	-25.00	33.28	287	14	Horizontal

Test Band = 5G NR NSA 7A-N7A_ TM1
Test Channel = Mid ANT3 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	5034.1800	46.86	-45.55	32.90	-61.05	-25.00	36.05	176	88	Vertical
2	7551.2700	43.99	-43.03	36.41	-57.89	-25.00	32.89	127	7	Vertical
3	10068.3600	36.22	-39.16	38.60	-59.60	-25.00	34.60	261	285	Vertical
4	12585.4500	30.55	-37.52	39.27	-62.97	-25.00	37.97	263	7	Vertical
5	15102.5400	29.85	-34.92	39.08	-61.25	-25.00	36.25	195	164	Vertical
6	17619.6300	30.71	-33.39	39.66	-58.28	-25.00	33.28	187	316	Vertical



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Test Band = 5G NR NSA 7A-N7A_ TM1
Test Channel = High ANT3 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	5064.1800	48.35	-45.47	32.92	-59.46	-25.00	34.46	241	73	Horizontal
2	7596.2700	43.53	-42.94	36.39	-58.28	-25.00	33.28	226	270	Horizontal
3	10128.3600	36.11	-39.23	38.70	-59.68	-25.00	34.68	234	314	Horizontal
4	12660.4500	32.68	-37.05	39.39	-60.24	-25.00	35.24	169	0	Horizontal
5	15192.5400	29.84	-33.99	38.96	-60.45	-25.00	35.45	178	26	Horizontal
6	17724.6300	33.63	-34.18	40.33	-55.47	-25.00	30.47	157	238	Horizontal

Test Band = 5G NR NSA 7A-N7A_ TM1
Test Channel = High ANT3 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	5064.1800	48.30	-45.47	32.92	-59.51	-25.00	34.51	169	2	Vertical
2	7596.2700	43.13	-42.94	36.39	-58.68	-25.00	33.68	241	301	Vertical
3	10128.3600	34.34	-39.23	38.70	-61.45	-25.00	36.45	158	104	Vertical
4	12660.4500	31.62	-37.05	39.39	-61.30	-25.00	36.30	266	88	Vertical
5	15192.5400	29.98	-33.99	38.96	-60.31	-25.00	35.31	234	42	Vertical
6	17724.6300	32.63	-34.18	40.33	-56.47	-25.00	31.47	178	285	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 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
N7	15	50	DFT-PI2BPSK	M	Outer_Full	VH	NT	8.700000	0.004622	PASS
N7	15	50	DFT-PI2BPSK	M	Outer_Full	VN	NT	4.900000	0.002603	PASS
N7	15	50	DFT-PI2BPSK	M	Outer_Full	VL	NT	7.200000	0.003825	PASS
N7	15	50	CP-QPSK	M	Outer_Full	VH	NT	9.700000	0.005153	PASS
N7	15	50	CP-QPSK	M	Outer_Full	VN	NT	-8.300000	-0.004409	PASS
N7	15	50	CP-QPSK	M	Outer_Full	VL	NT	10.500000	0.005578	PASS



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Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N7	15	50	DFT-PI2BPSK	M	Outer_Full	NV	-30	10.600000	0.005631	PASS
N7	15	50	DFT-PI2BPSK	M	Outer_Full	NV	-20	6.900000	0.003665	PASS
N7	15	50	DFT-PI2BPSK	M	Outer_Full	NV	-10	7.100000	0.003772	PASS
N7	15	50	DFT-PI2BPSK	M	Outer_Full	NV	0	8.200000	0.004356	PASS
N7	15	50	DFT-PI2BPSK	M	Outer_Full	NV	10	8.200000	0.004356	PASS
N7	15	50	DFT-PI2BPSK	M	Outer_Full	NV	20	6.200000	0.003293	PASS
N7	15	50	DFT-PI2BPSK	M	Outer_Full	NV	30	8.800000	0.004675	PASS
N7	15	50	DFT-PI2BPSK	M	Outer_Full	NV	40	4.300000	0.002284	PASS
N7	15	50	DFT-PI2BPSK	M	Outer_Full	NV	50	5.000000	0.002656	PASS
N7	15	50	CP-QPSK	M	Outer_Full	NV	-30	2.700000	0.001434	PASS
N7	15	50	CP-QPSK	M	Outer_Full	NV	-20	-1.400000	-0.000744	PASS
N7	15	50	CP-QPSK	M	Outer_Full	NV	-10	2.000000	0.001062	PASS
N7	15	50	CP-QPSK	M	Outer_Full	NV	0	4.200000	0.002231	PASS
N7	15	50	CP-QPSK	M	Outer_Full	NV	10	4.700000	0.002497	PASS
N7	15	50	CP-QPSK	M	Outer_Full	NV	20	6.800000	0.003612	PASS
N7	15	50	CP-QPSK	M	Outer_Full	NV	30	6.500000	0.003453	PASS
N7	15	50	CP-QPSK	M	Outer_Full	NV	40	5.500000	0.002922	PASS
N7	15	50	CP-QPSK	M	Outer_Full	NV	50	6.500000	0.003453	PASS

---End of Attachment---



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