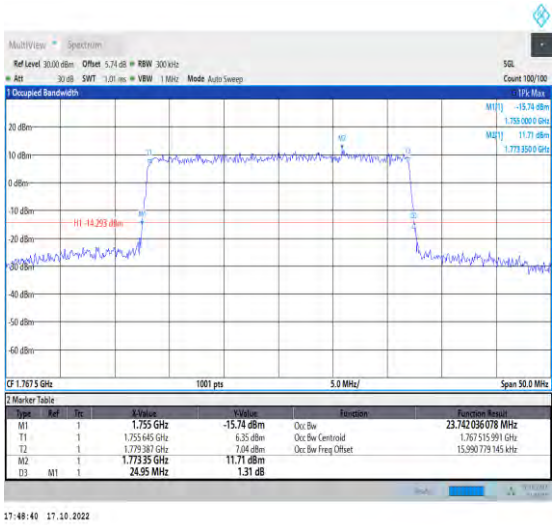
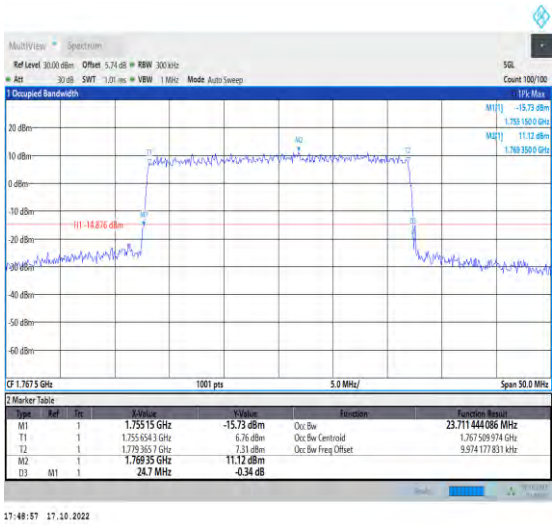


1-N66-PC3-15-25-H-6-CP-QPSK-Outer_Full-133@0-Ant1-23.742-24.950-≤25-PASS

1-N66-PC3-15-25-H-7-CP-16QAM-Outer_Full-133@0-Ant1-23.759-24.950-≤25-PASS



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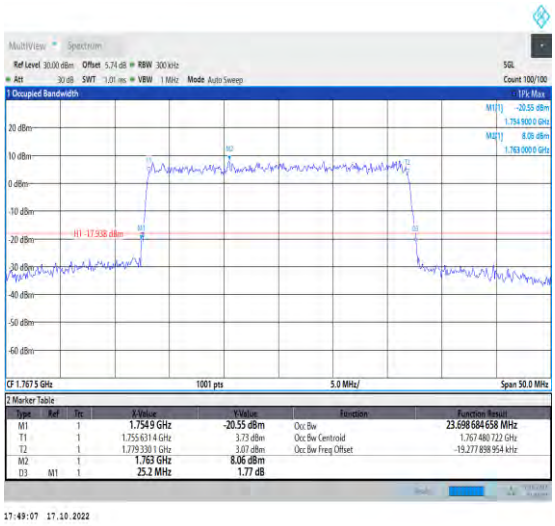

1-N66-PC3-15-25-H-9-CP-256QAM-Outer_Full-133@0-Ant1-23.699-25.200-≤25-PASS

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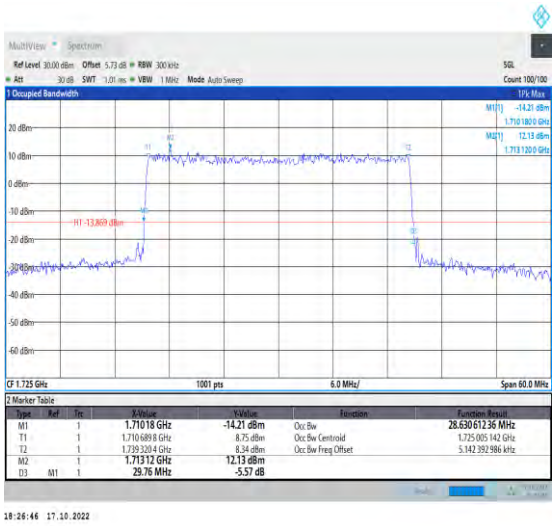
1-N66-PC3-15-30-L-1-DFT-QPSK-Outer_Full-160@0-Ant1-28.631-29.820-≤30-PASS

1-N66-PC3-15-30-L-3-DFT-16QAM-Outer_Full-160@0-Ant1-28.582-29.580-≤30-PASS



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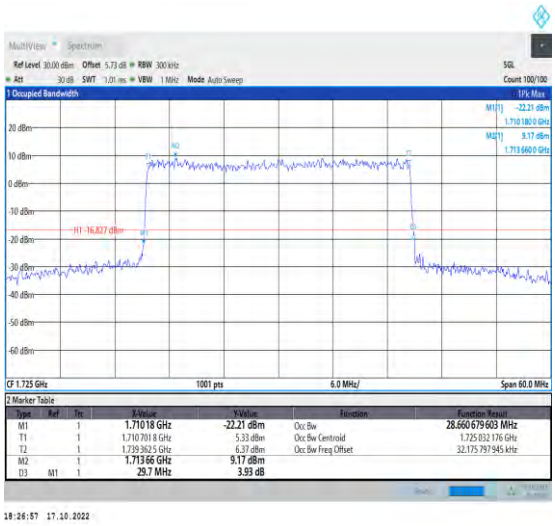

1-N66-PC3-15-30-L-5-DFT-256QAM-Outer_Full-160@0-Ant1-28.661-29.700-≤30-PASS

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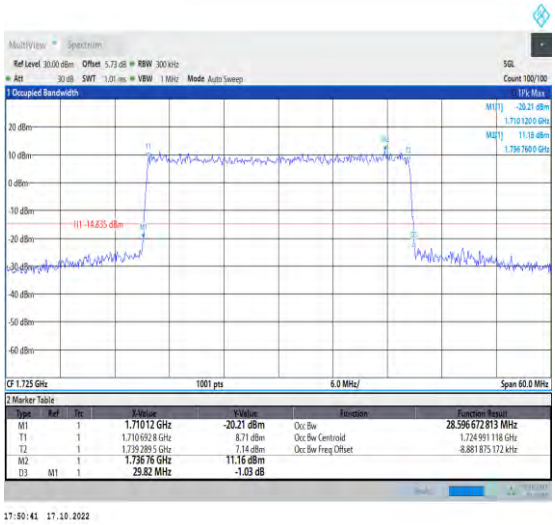

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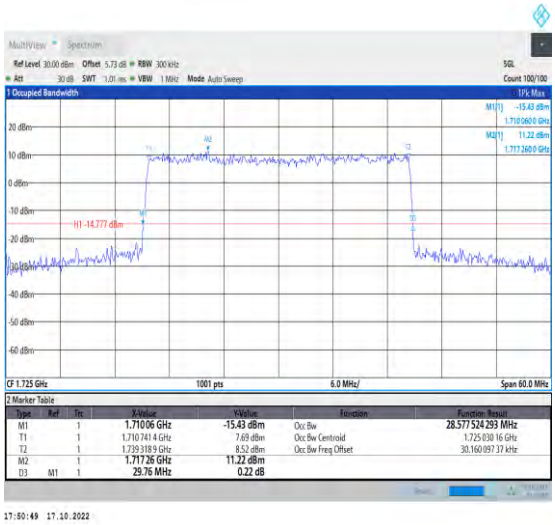

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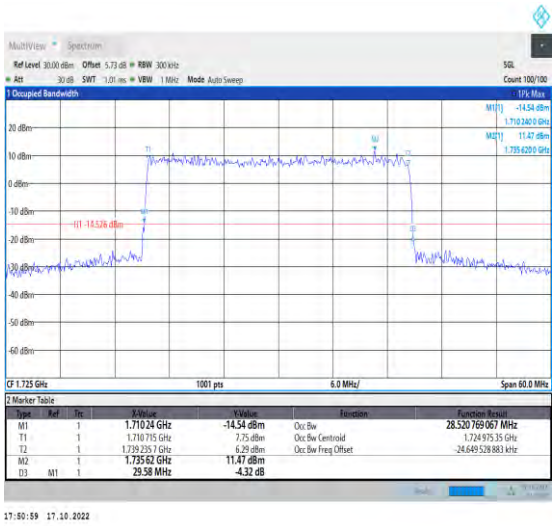
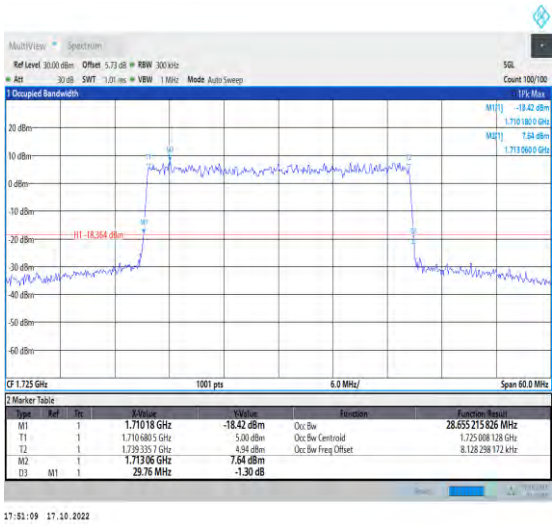


1-N66-PC3-15-30-L-8-CP-64QAM-Outer_Full-160@0-Ant1-28.521-29.580-≤30-PASS



1-N66-PC3-15-30-L-9-CP-256QAM-Outer_Full-160@0-Ant1-28.655-29.760-≤30-PASS

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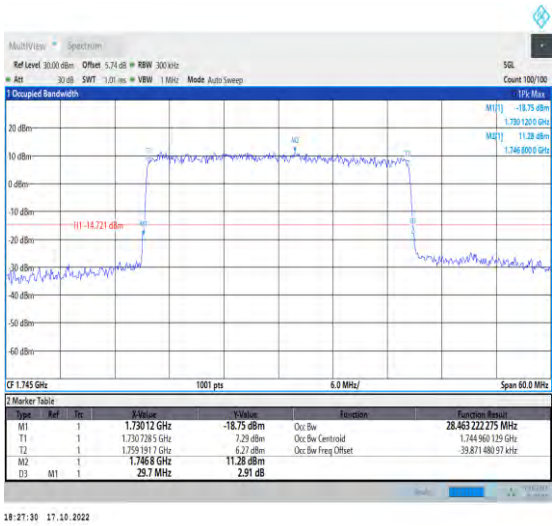
1-N66-PC3-15-30-M-1-DFT-QPSK-Outer_Full-160@0-Ant1-28.548-29.700-≤30-PASS



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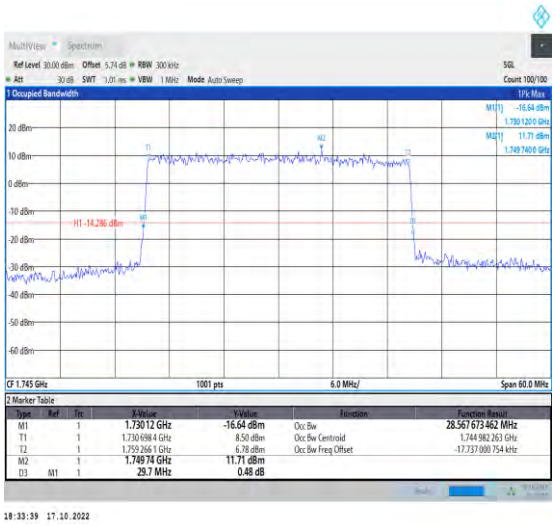

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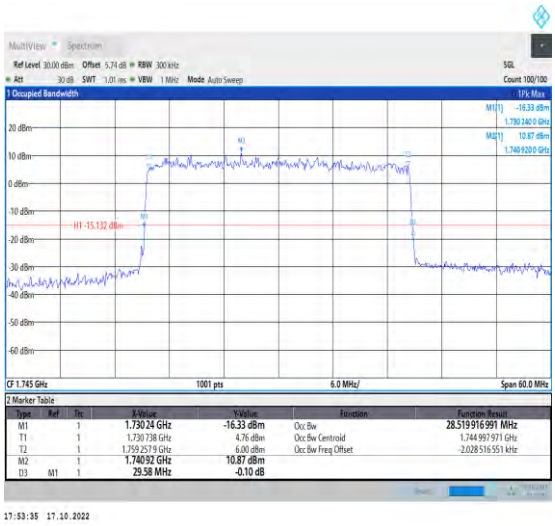

1-N66-PC3-15-30-M-5-DFT-256QAM-Outer_Full-160@0-Ant1-28.52-29.580-≤30-PASS

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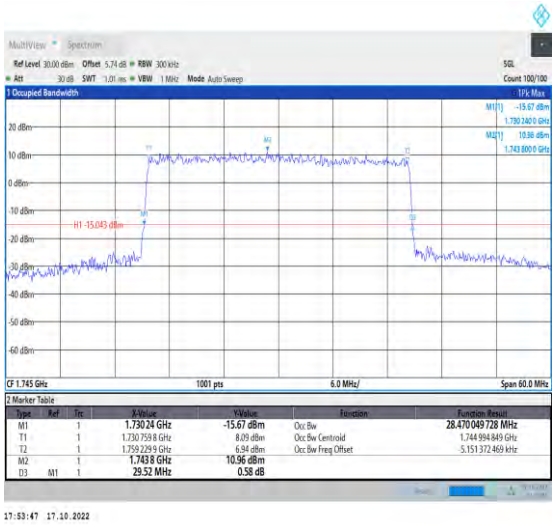

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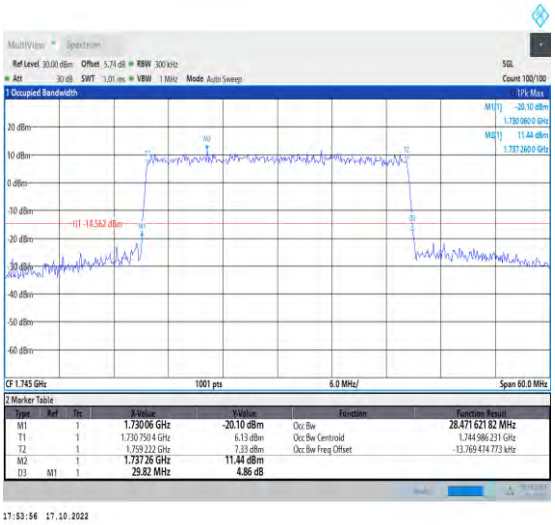

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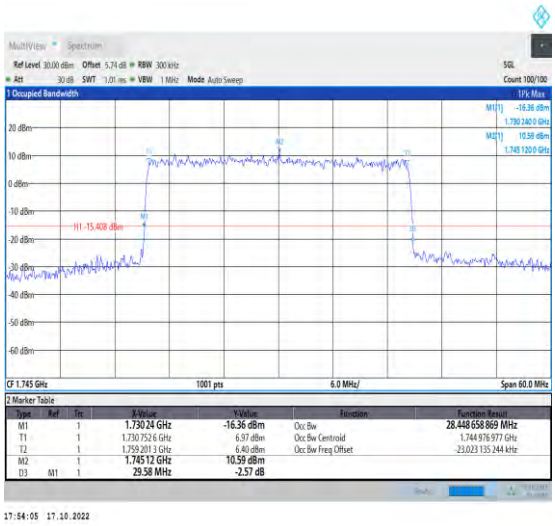

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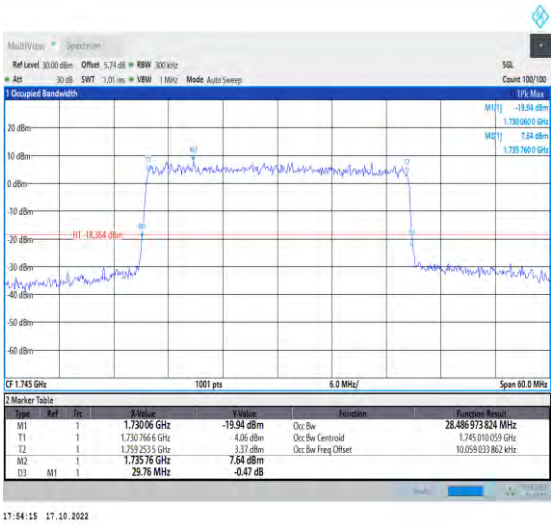

1-N66-PC3-15-30-M-9-CP-256QAM-Outer_Full-160@0-Ant1-28.487-29.760-≤30-PASS

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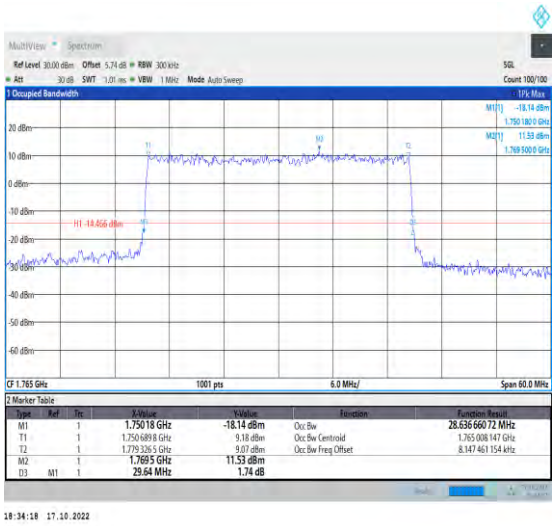
1-N66-PC3-15-30-H-1-DFT-QPSK-Outer_Full-160@0-Ant1-28.561-29.640-≤30-PASS

1-N66-PC3-15-30-H-3-DFT-16QAM-Outer_Full-160@0-Ant1-28.606-29.700-≤30-PASS



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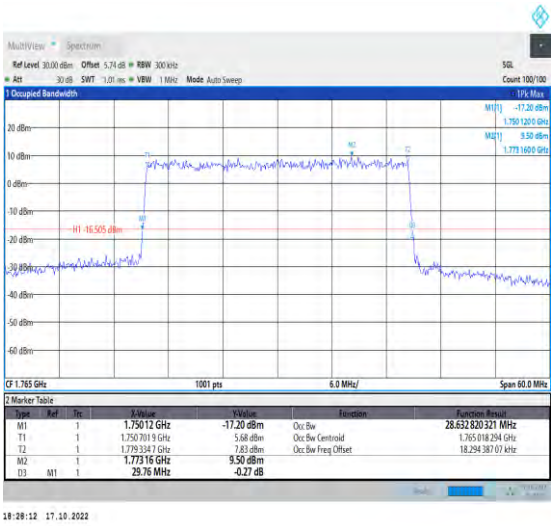

1-N66-PC3-15-30-H-5-DFT-256QAM-Outer_Full-160@0-Ant1-28.633-29.760-≤30-PASS

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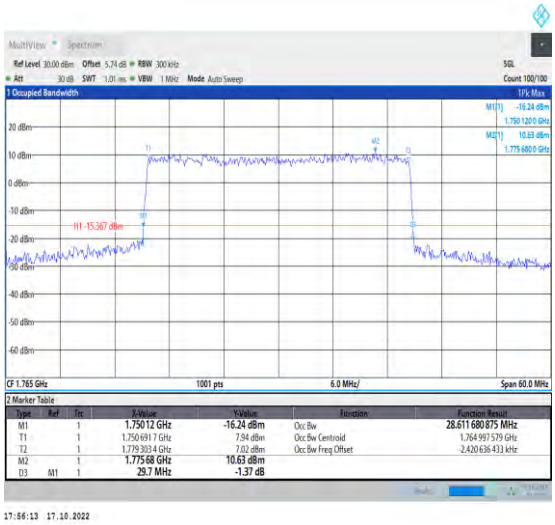
1-N66-PC3-15-30-H-6-CP-QPSK-Outer_Full-160@0-Ant1-28.555-29.640-≤30-PASS



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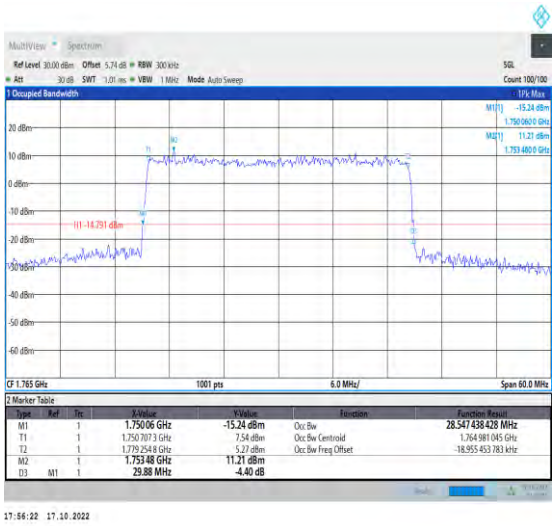

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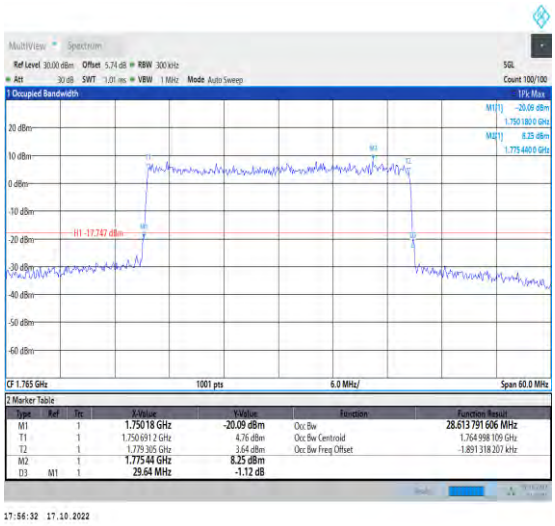

1-N66-PC3-15-30-H-9-CP-256QAM-Outer_Full-160@0-Ant1-28.614-29.640-≤30-PASS

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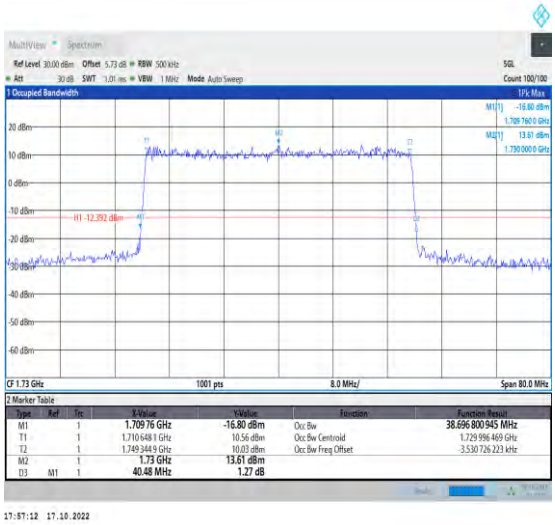
1-N66-PC3-15-40-L-1-DFT-QPSK-Outer_Full-216@0-Ant1-38.653-40.240-≤40-PASS



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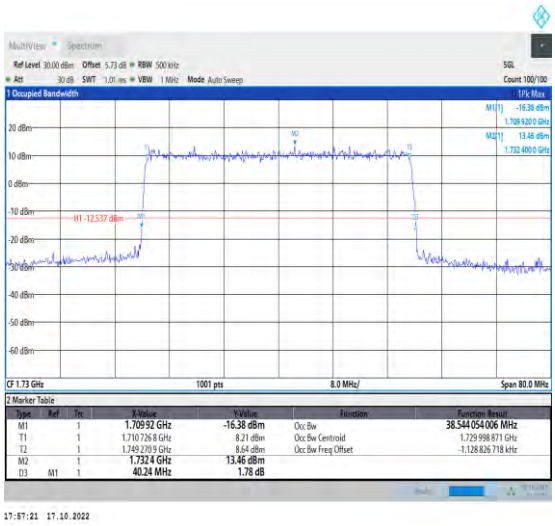

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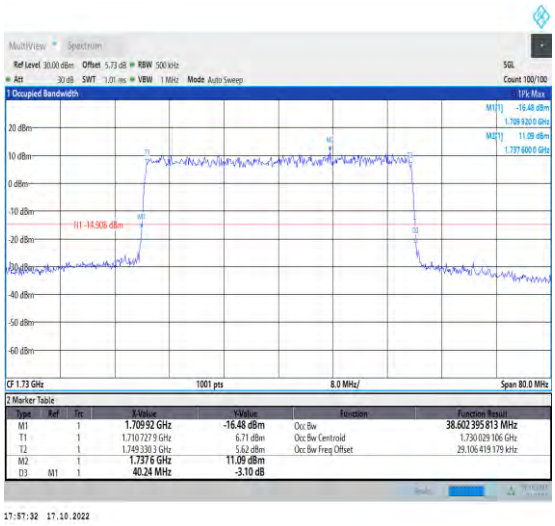

1-N66-PC3-15-40-L-5-DFT-256QAM-Outer_Full-216@0-Ant1-38.602-40.240-≤40-PASS

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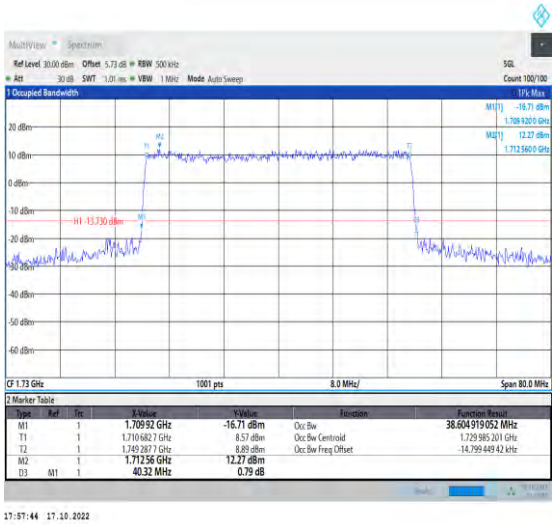

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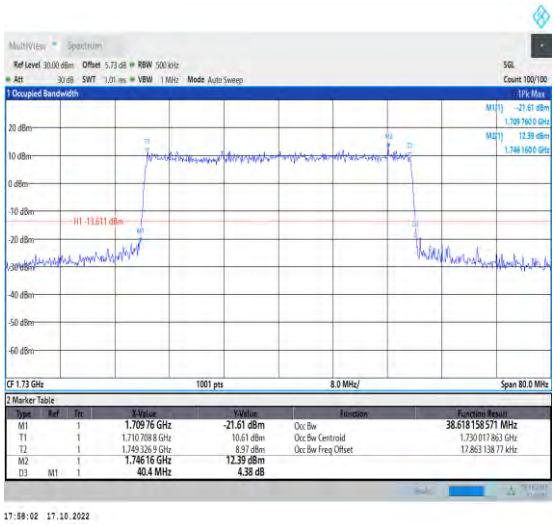

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1-N66-PC3-15-40-L-9-CP-256QAM-Outer_Full-216@0-Ant1-38.507-40.320-≤40-PASS

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1-N66-PC3-15-40-M-1-DFT-QPSK-Outer_Full-216@0-Ant1-38.508-40.320-≤40-PASS

1-N66-PC3-15-40-M-3-DFT-16QAM-Outer_Full-216@0-Ant1-38.5-40.240-≤40-PASS

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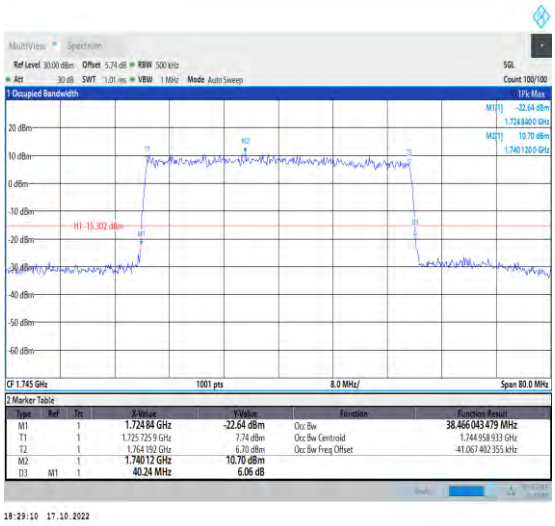

1-N66-PC3-15-40-M-5-DFT-256QAM-Outer_Full-216@0-Ant1-38.466-40.240-≤40-PASS

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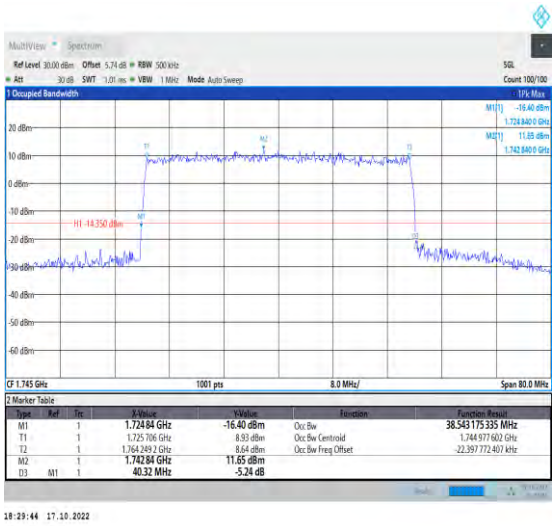
1-N66-PC3-15-40-M-6-CP-QPSK-Outer_Full-216@0-Ant1-38.496-40.400-≤40-PASS

1-N66-PC3-15-40-M-7-CP-16QAM-Outer_Full-216@0-Ant1-38.466-40.160-≤40-PASS



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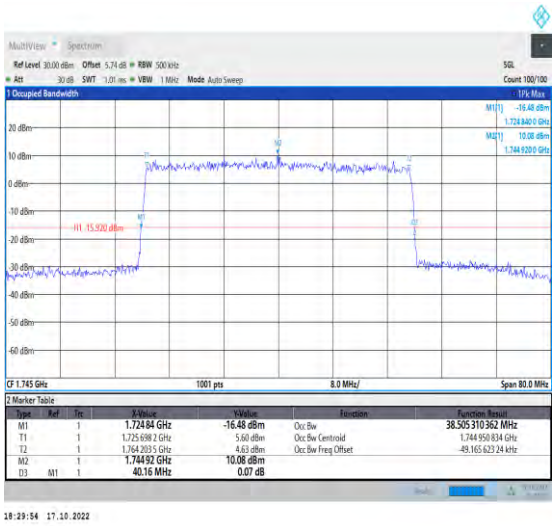

1-N66-PC3-15-40-M-9-CP-256QAM-Outer_Full-216@0-Ant1-38.505-40.160-≤40-PASS

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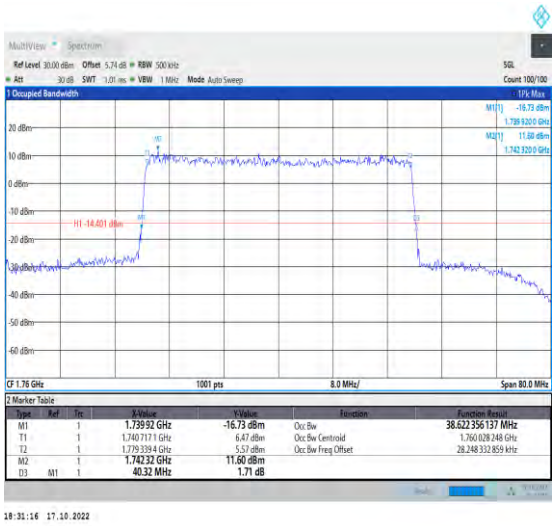
1-N66-PC3-15-40-H-1-DFT-QPSK-Outer_Full-216@0-Ant1-38.631-40.240-≤40-PASS

1-N66-PC3-15-40-H-3-DFT-16QAM-Outer_Full-216@0-Ant1-38.662-40.160-≤40-PASS

1-N66-PC3-15-40-H-4-DFT-64QAM-Outer_Full-216@0-Ant1-38.563-40.240-≤40-PASS



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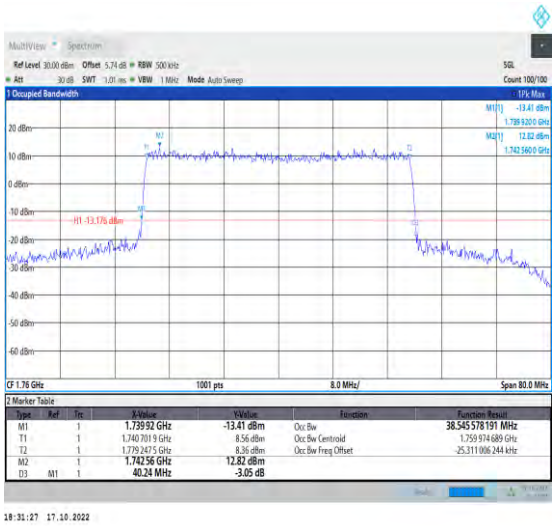

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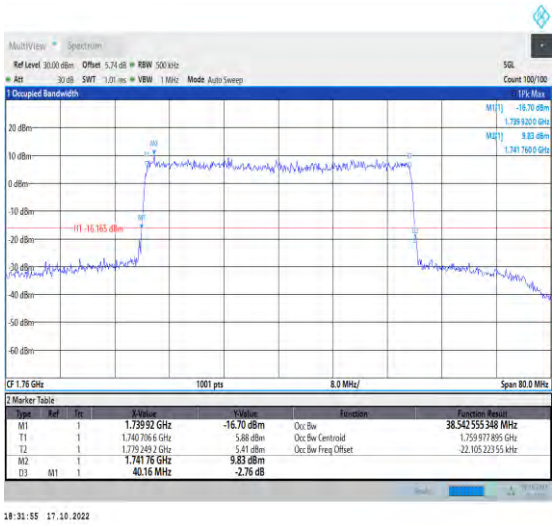

1-N66-PC3-15-40-H-9-CP-256QAM-Outer_Full-216@0-Ant1-38.543-40.160-≤40-PASS

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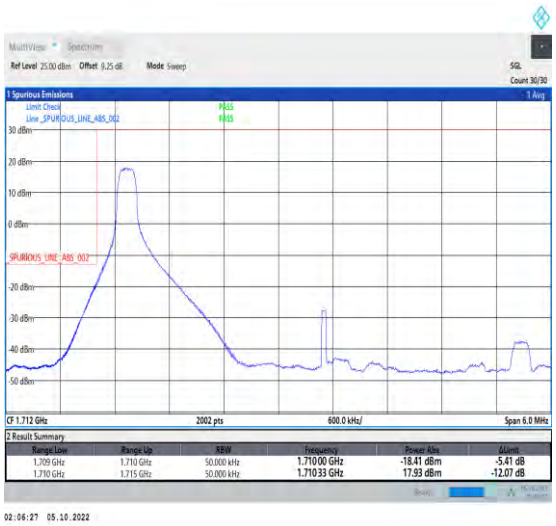
Band Edge for SA

Test Graphs



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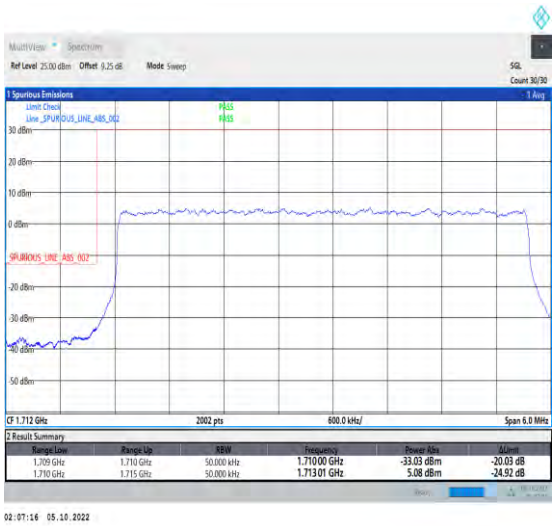

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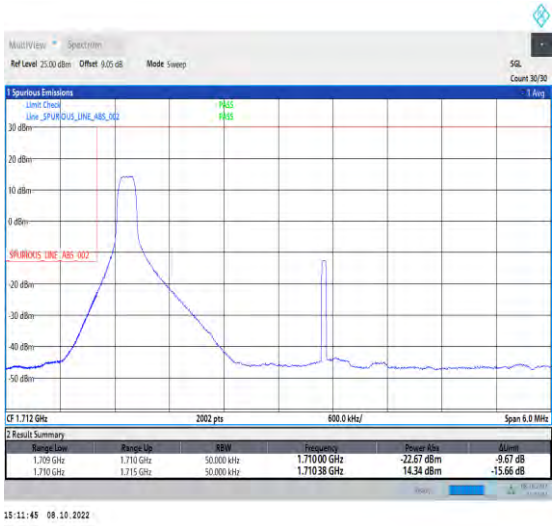

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1-N66-PC3-15-5-L-6-CP-QPSK-Outer_Full-25@0-Ant1-1-seegraph-PASS-see graph

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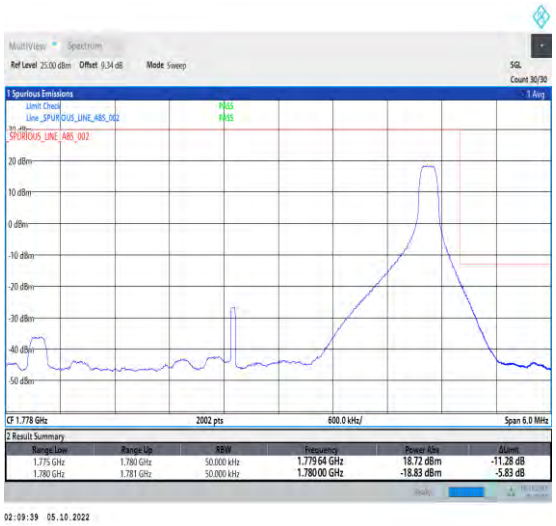

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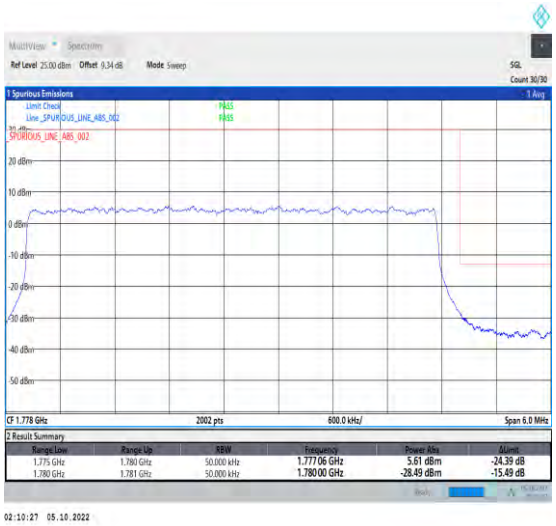

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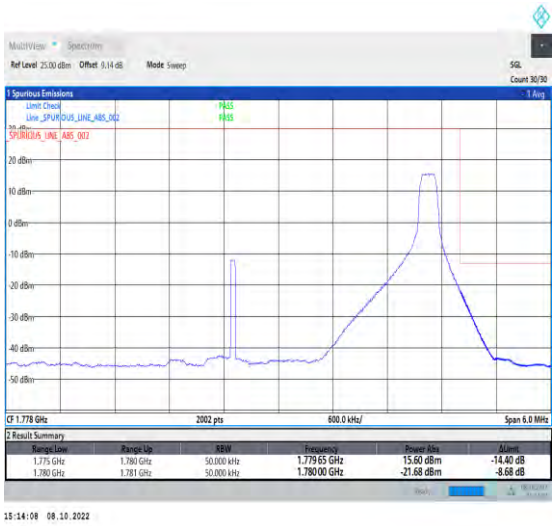

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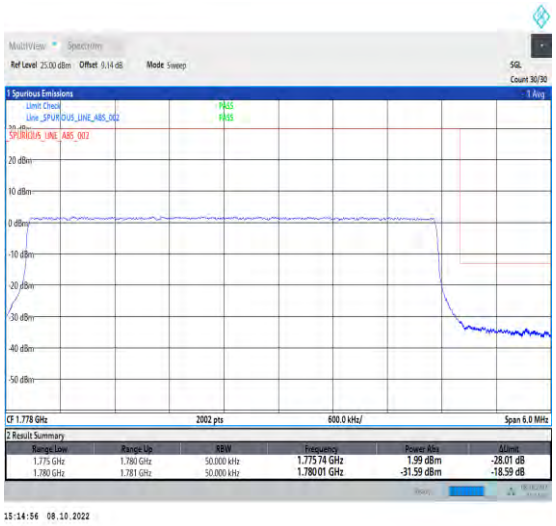

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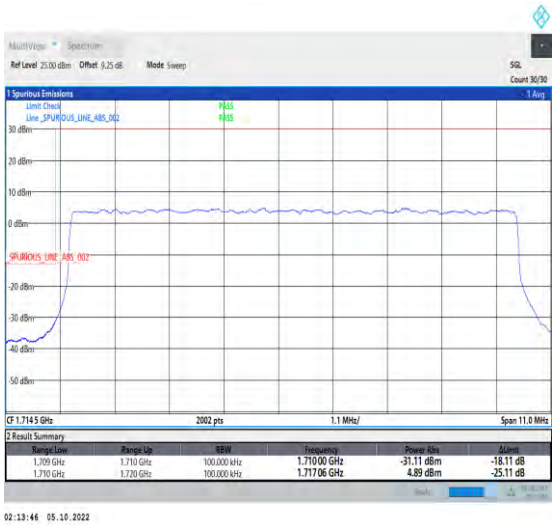

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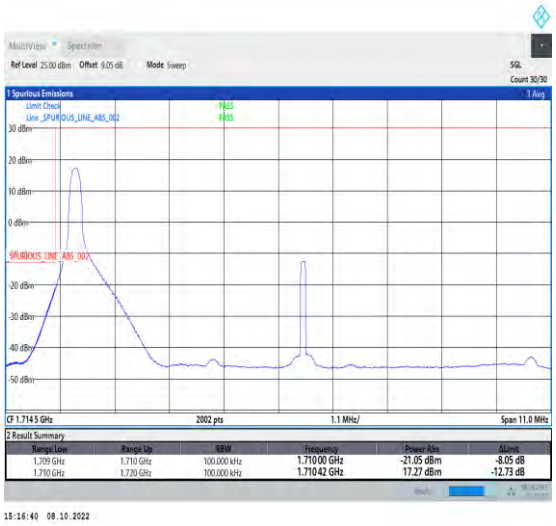

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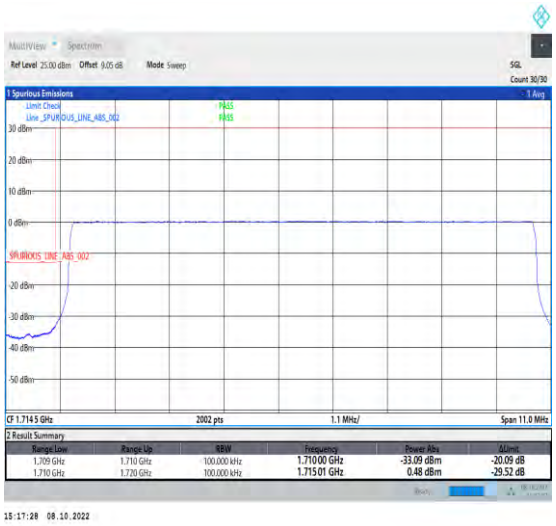

1-N66-PC3-15-10-L-6-CP-QPSK-Outer_Full-52@0-Ant1-1-seegraph-PASS-see graph

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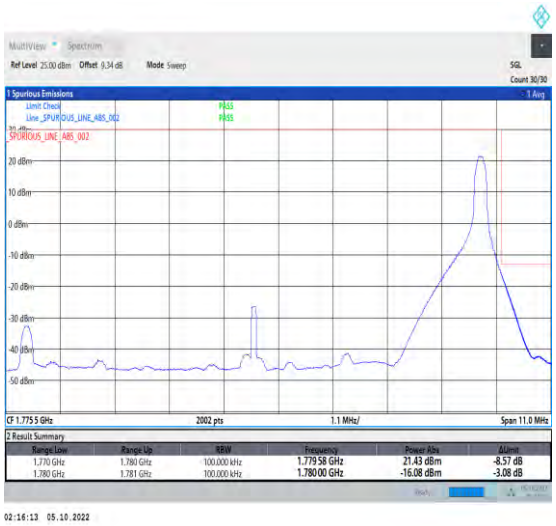

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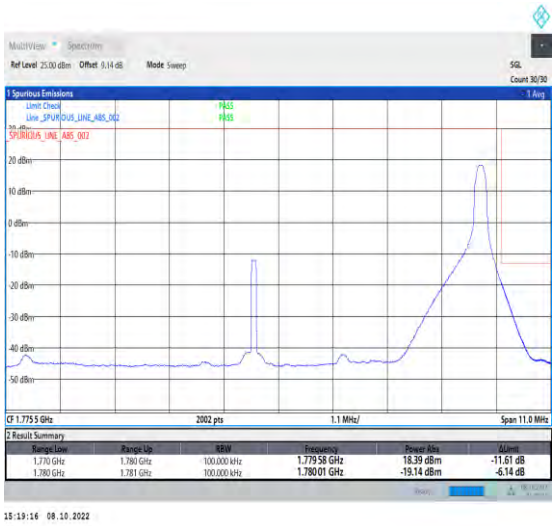

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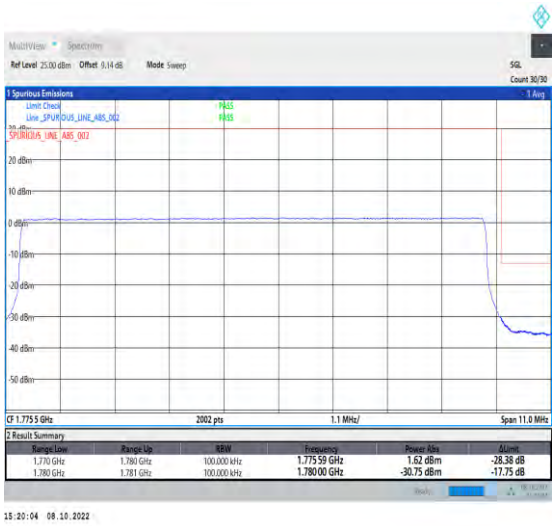

1-N66-PC3-15-10-H-6-CP-QPSK-Outer_Full-52@ 0-Ant1-1-seegraph-PASS-see graph

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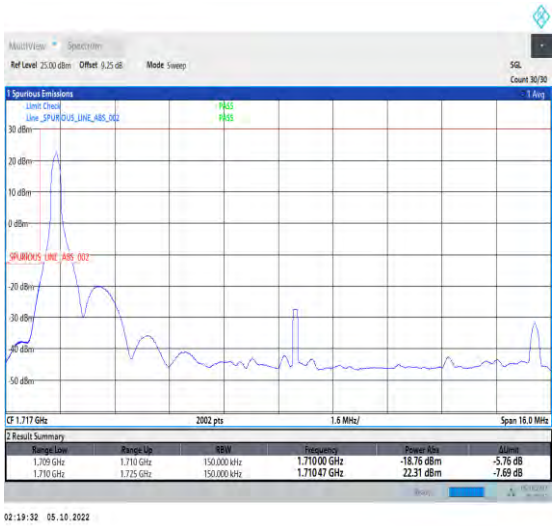

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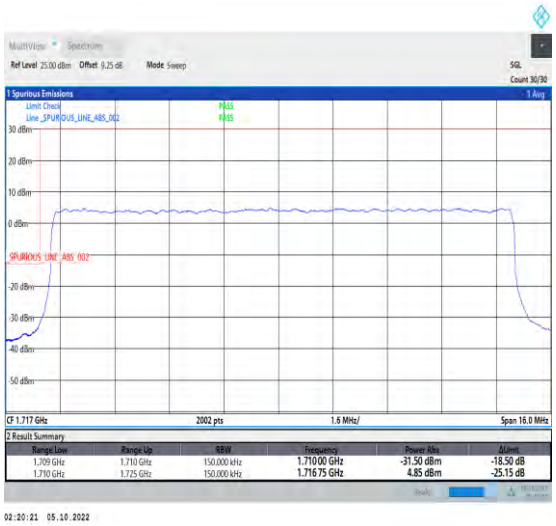

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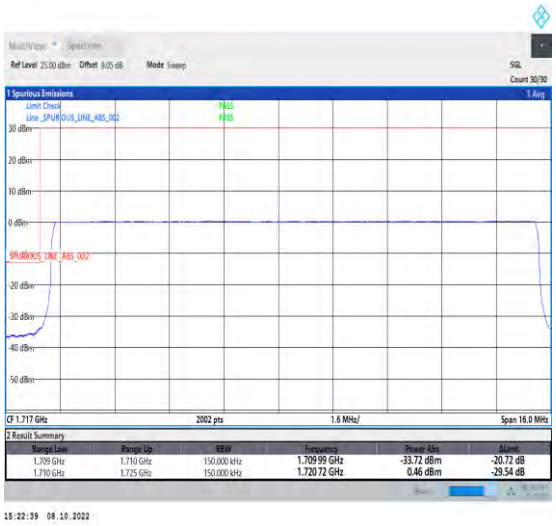

1-N66-PC3-15-15-L-6-CP-QPSK-Outer_Full-79@0-Ant1-1-seegraph-PASS-see graph

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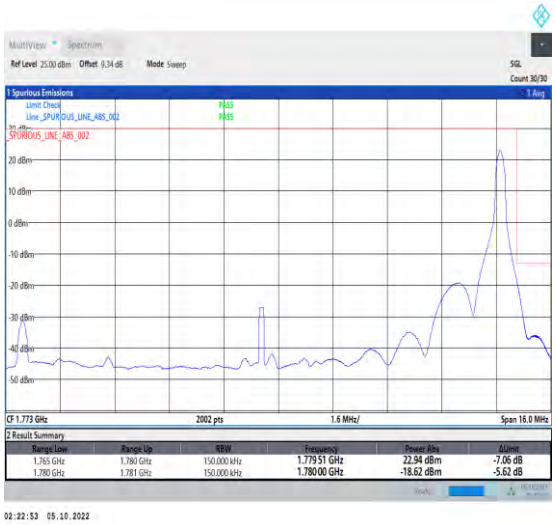

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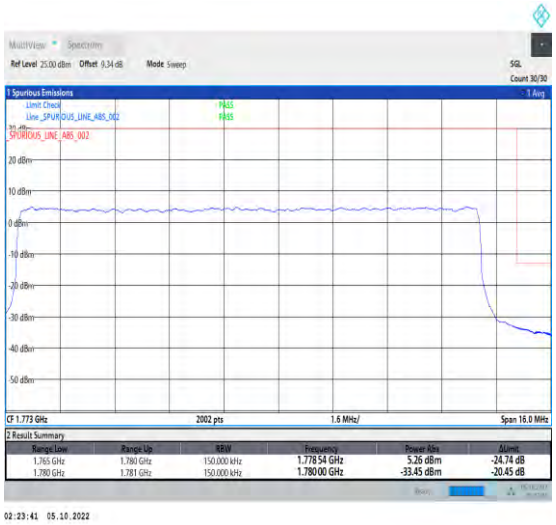

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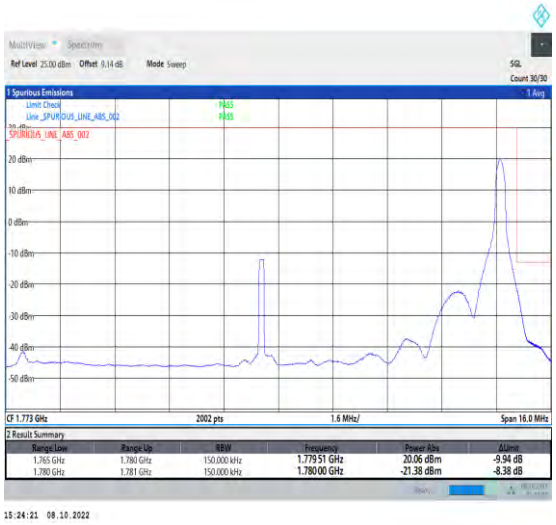

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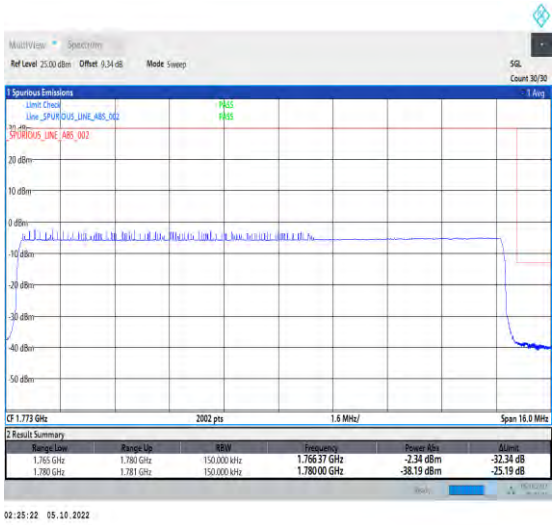

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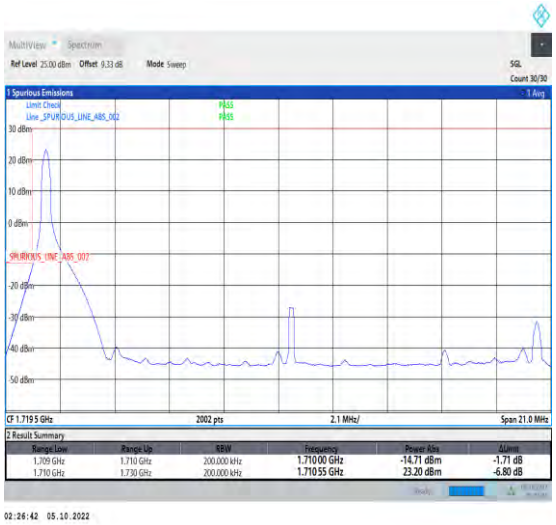

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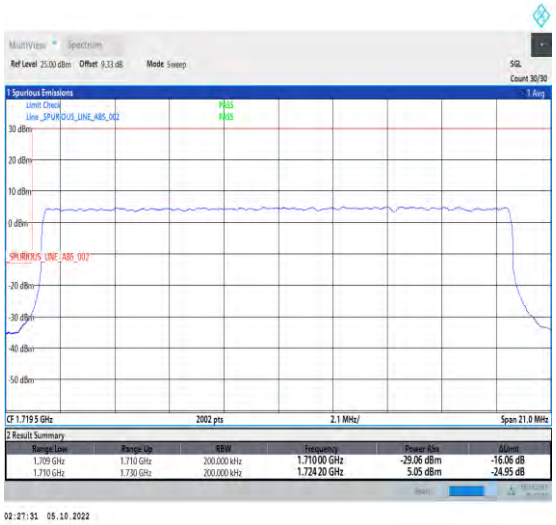

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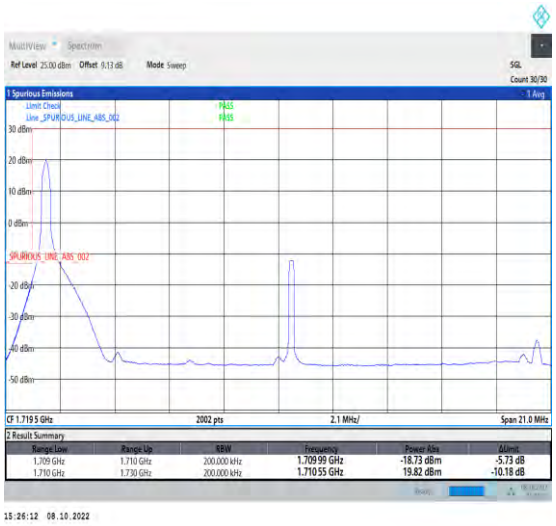

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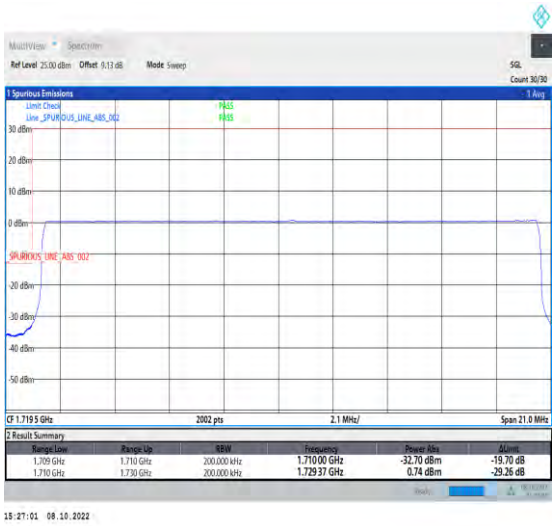

1-N66-PC3-15-20-L-6-CP-QPSK-Outer_Full-106@0-Ant1-1-seegraph-PASS-see graph

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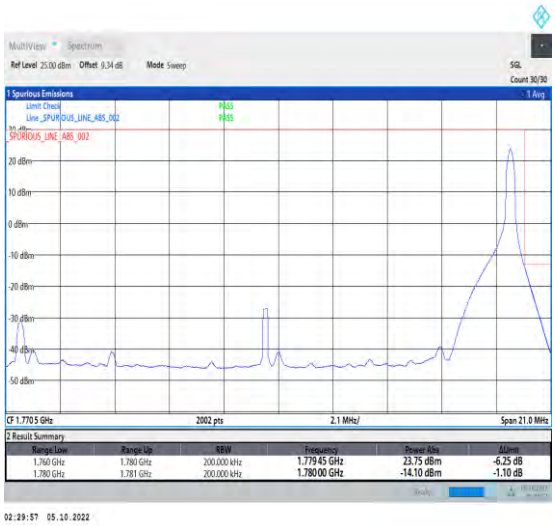

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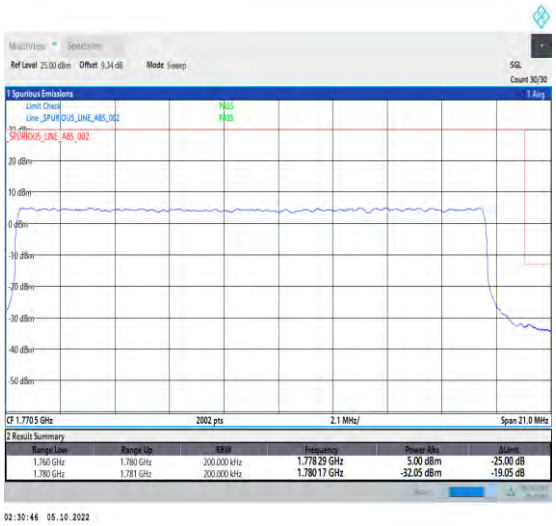

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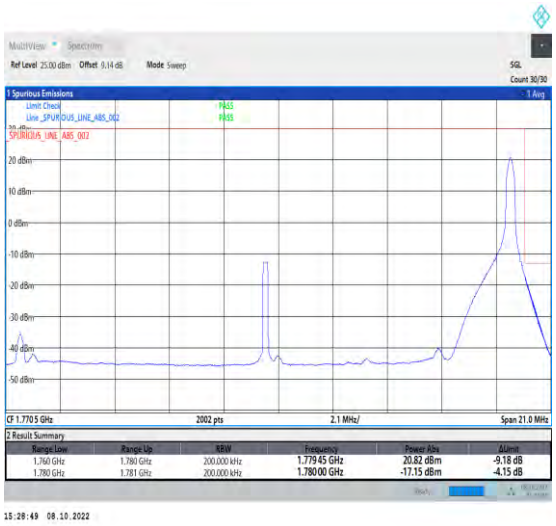

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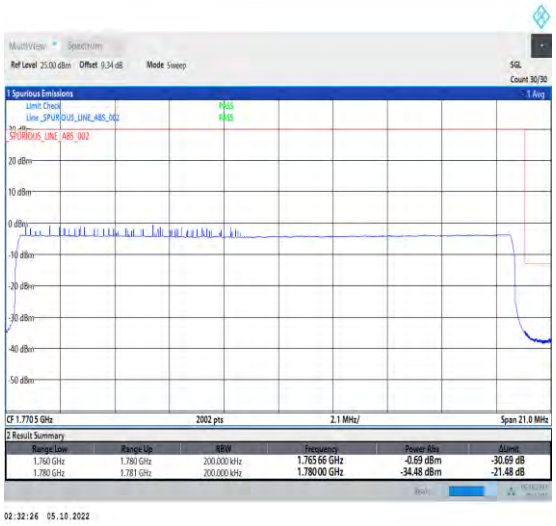

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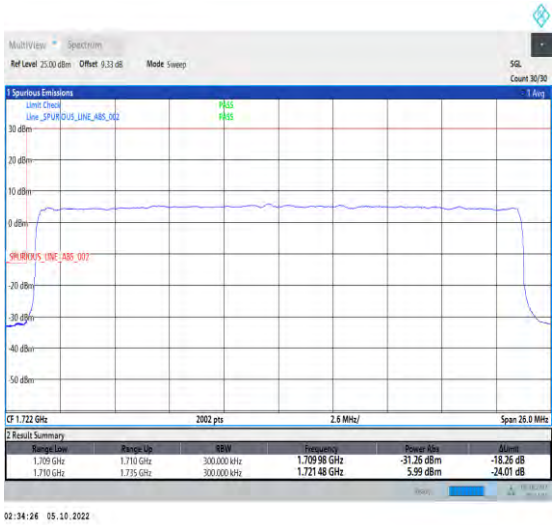

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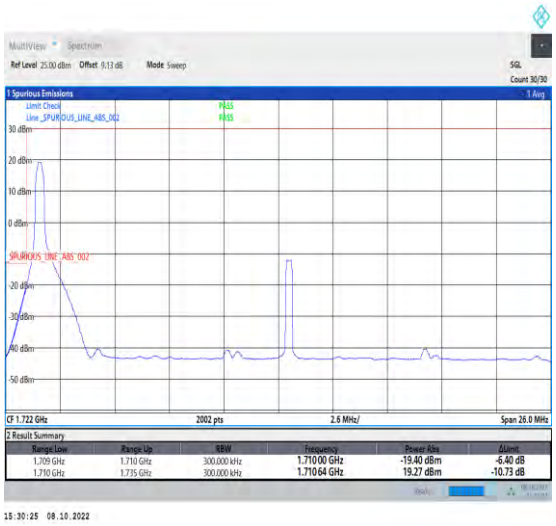

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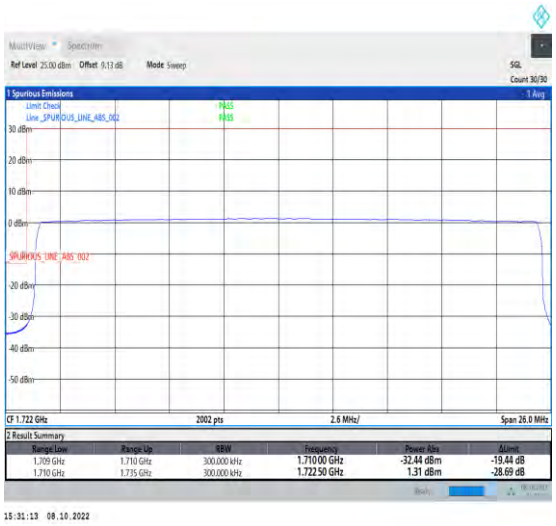

1-N66-PC3-15-25-L-6-CP-QPSK-Outer_Full-133@0-Ant1-1-seegraph-PASS-see graph

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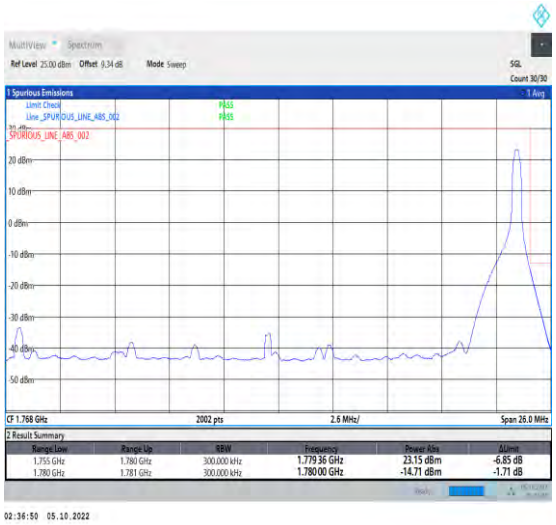

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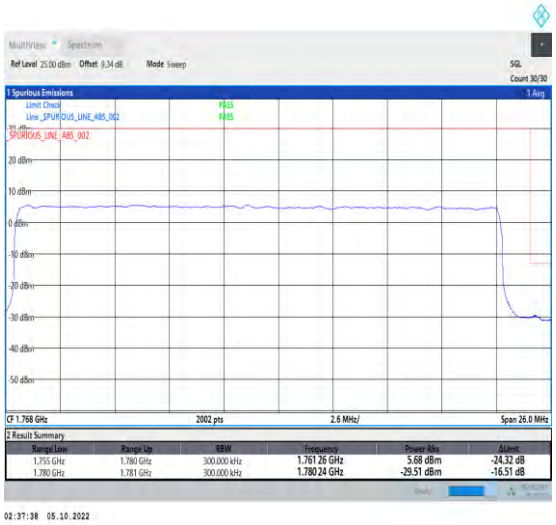

1-N66-PC3-15-25-H-3-DFT-QPSK-Outer_Full-128 @0-Ant1-1-seegraph-PASS-see graph

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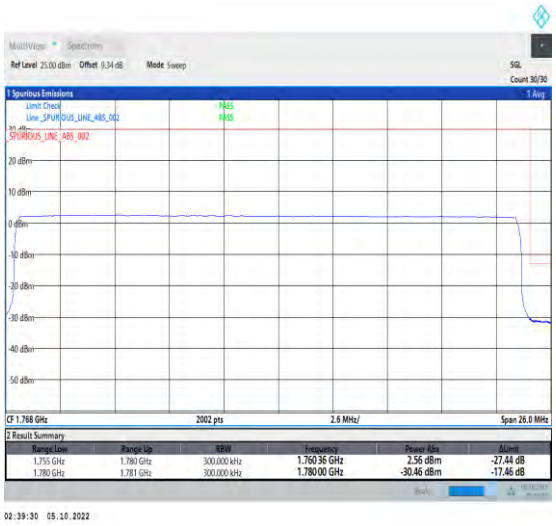

1-N66-PC3-15-25-H-6-CP-QPSK-Outer_Full-133 @0-Ant1-1-seegraph-PASS-see graph

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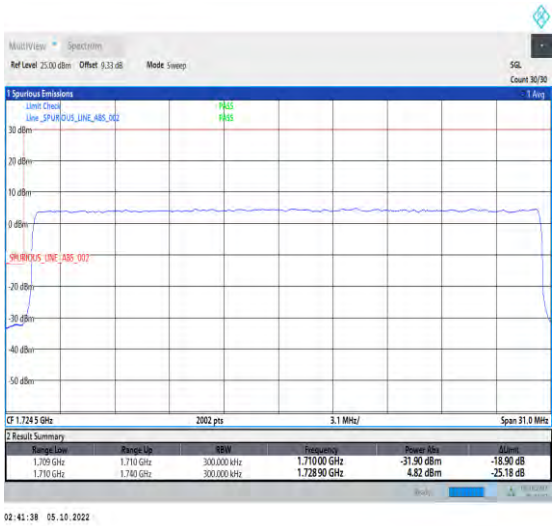
1-N66-PC3-15-30-L-1-DFT-QPSK-Edge_1RB_Left-1@0-Ant1-1-seegraph-PASS-see graph



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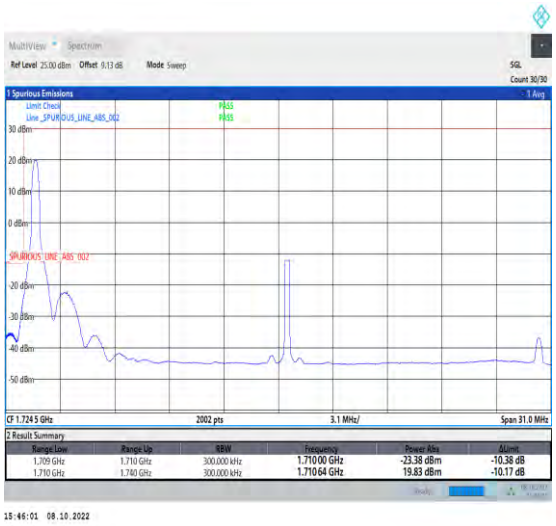

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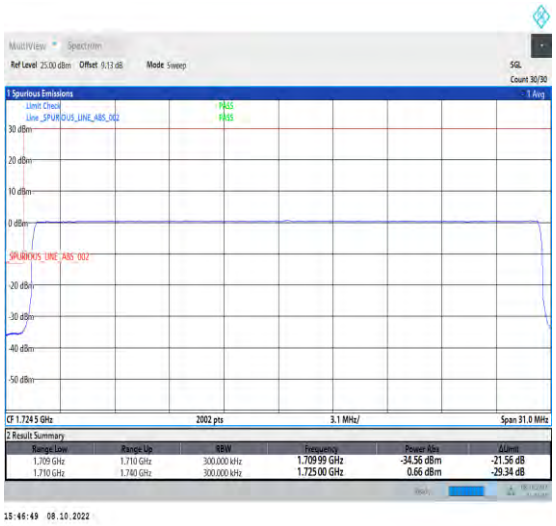

1-N66-PC3-15-30-L-6-CP-QPSK-Outer_Full-160@0-Ant1-1-seegraph-PASS-see graph

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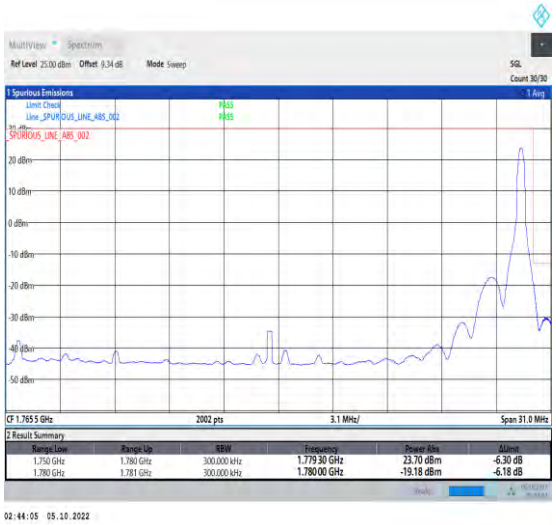

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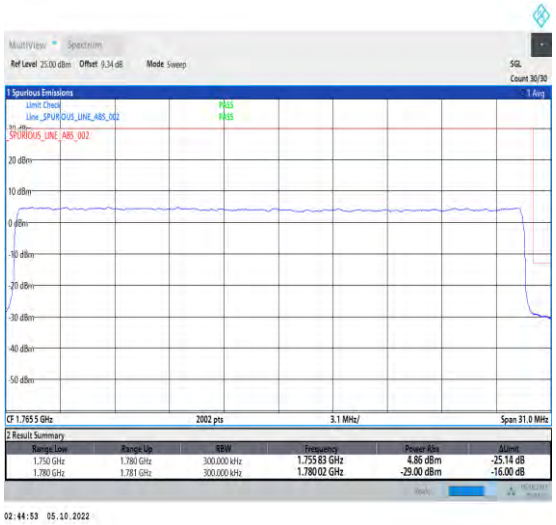

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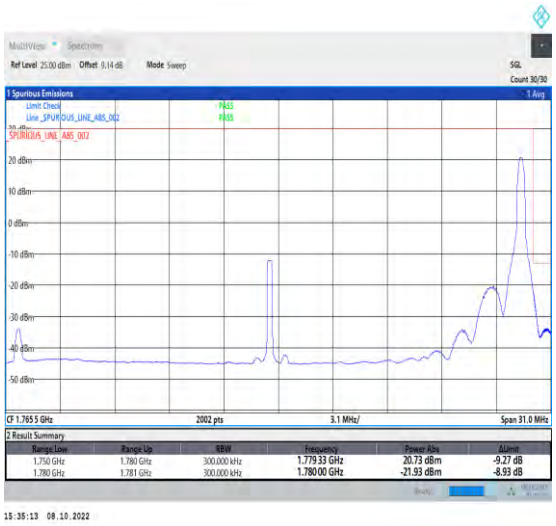

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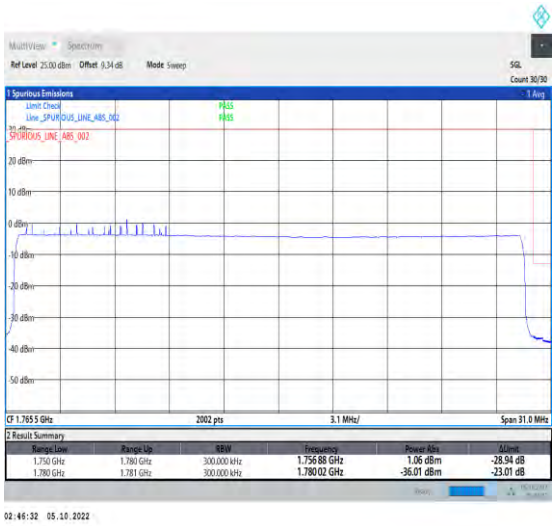

1-N66-PC3-15-30-H-6-CP-QPSK-Outer_Full-160 @0-Ant1-1-seegraph-PASS-see graph

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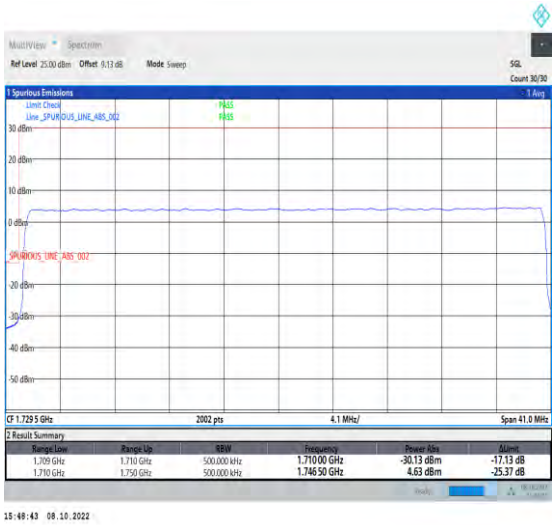
1-N66-PC3-15-40-L-1-DFT-QPSK-Edge_1RB_Left-1@0-Ant1-1-seegraph-PASS-see graph



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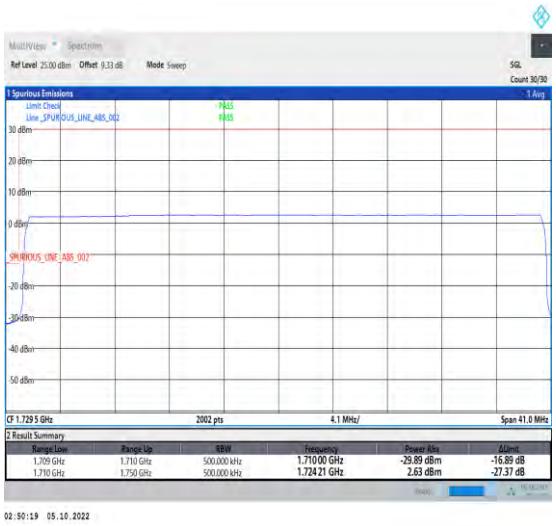
1-N66-PC3-15-40-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1-seegraph-PASS-see graph



1-N66-PC3-15-40-L-6-CP-QPSK-Outer_Full-216@0-Ant1-1-seegraph-PASS-see graph

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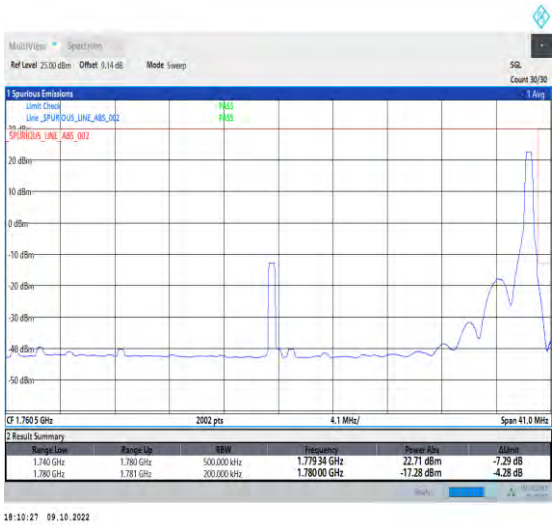
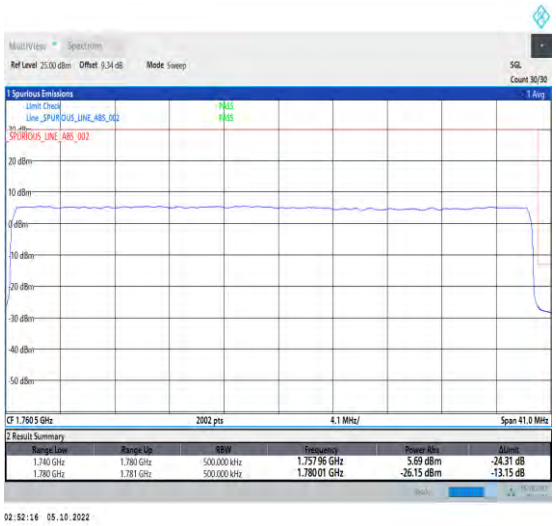


1-N66-PC3-15-40-H-2-DFT-QPSK-Edge_1RB_Right-1 @215-Ant1-1-seegraph-PASS-see graph



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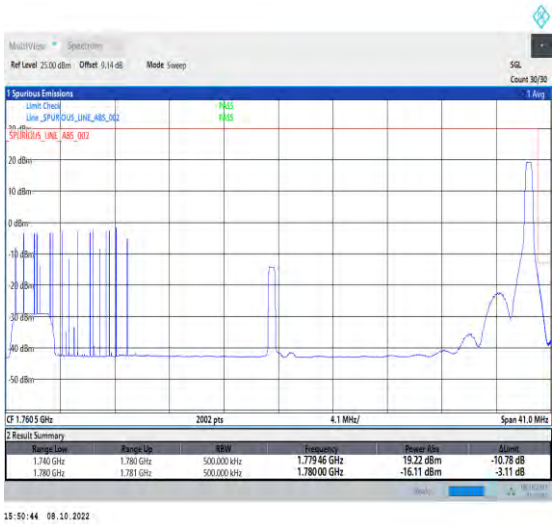

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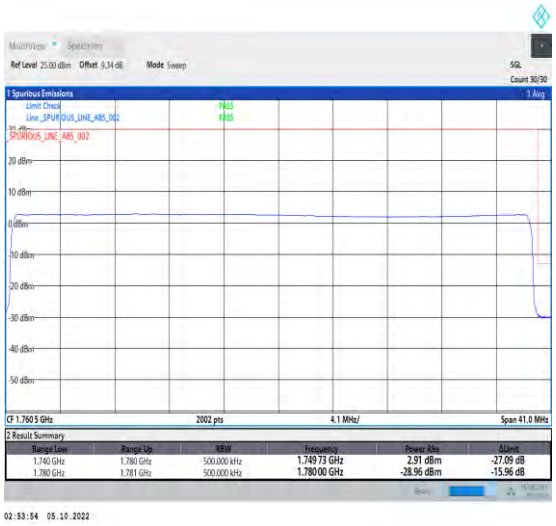

1-N66-PC3-15-40-H-6-CP-QPSK-Outer_Full-216 @0-Ant1-1-seegraph-PASS-see graph

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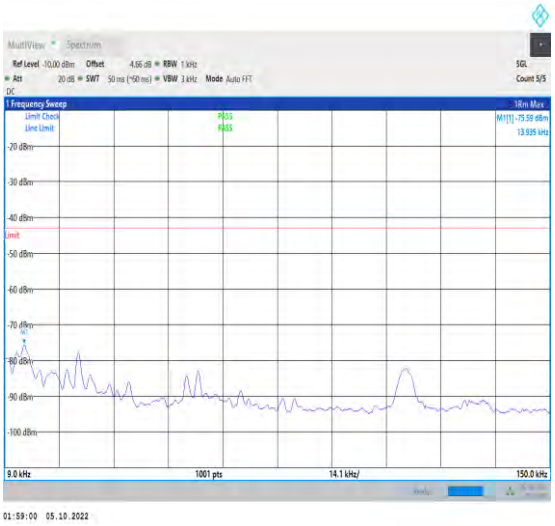
Test Graphs



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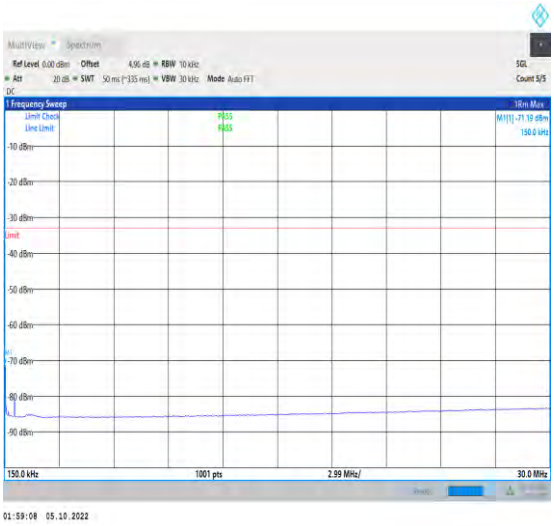

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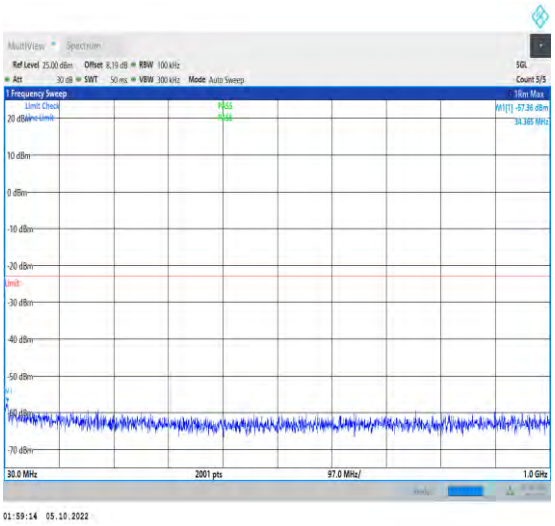

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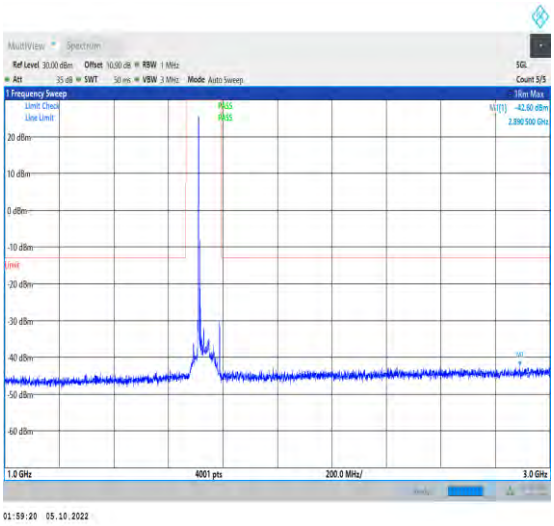

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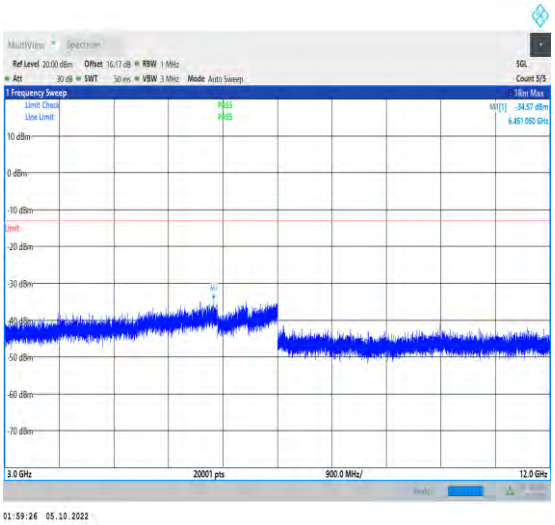

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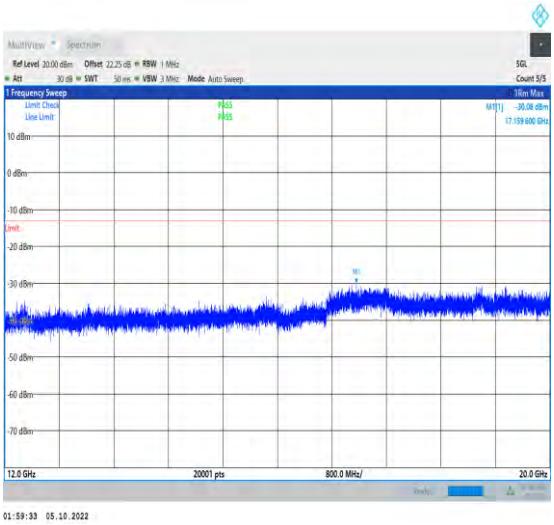

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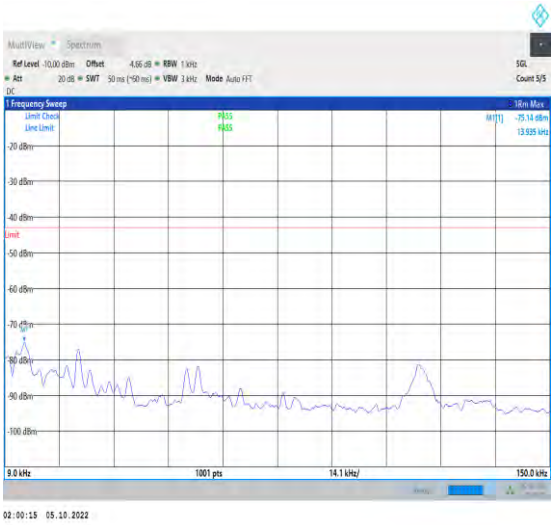

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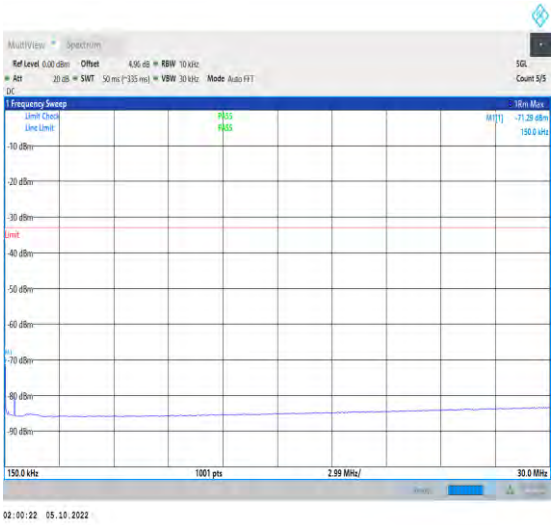

1-N66-PC3-15-40-M-1-DFT-QPSK-Inner_1RB_Left-1 @1-0.15-30-Ant1-0.15--71.29--33-PASS

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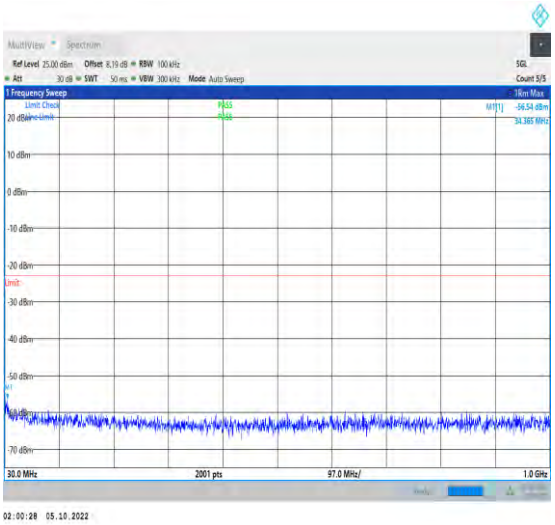

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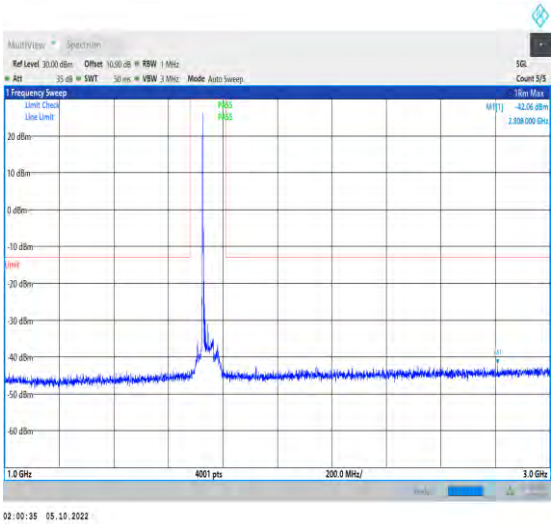

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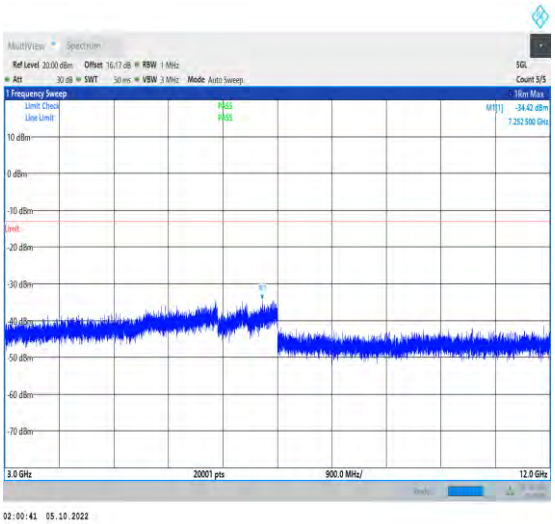
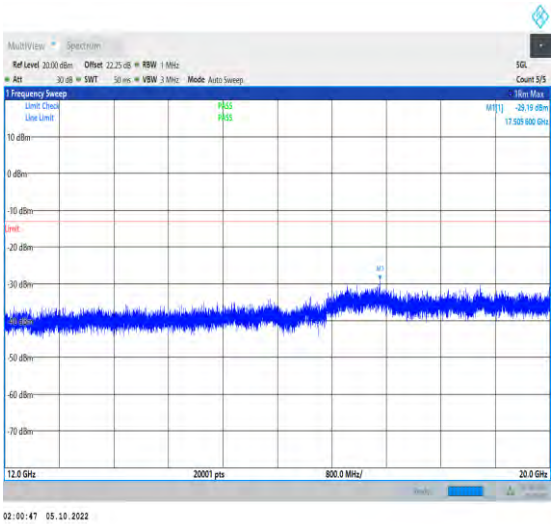


1-N66-PC3-15-40-M-1-DFT-QPSK-Inner_1RB_Left-1@1-3000-12000-Ant1-7252.50--34.42--13-PASS



1-N66-PC3-15-40-M-1-DFT-QPSK-Inner_1RB_Left-1@1-12000-20000-Ant1-17505.60--29.19--13-PASS

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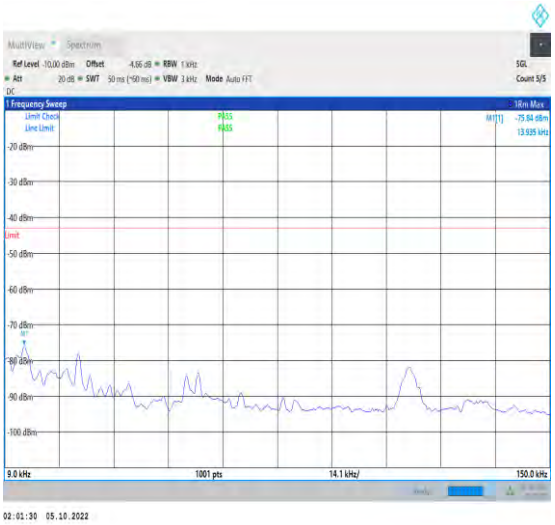

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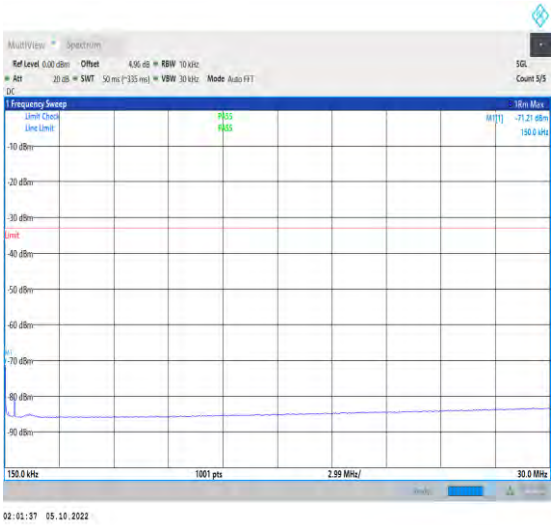
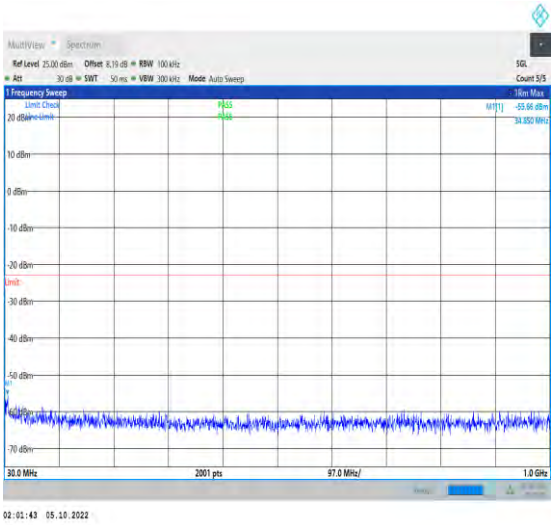


1-N66-PC3-15-40-H-1-DFT-QPSK-Inner_1RB_Left-1@1-0.15-30-Ant1-0.15--71.21--33-PASS



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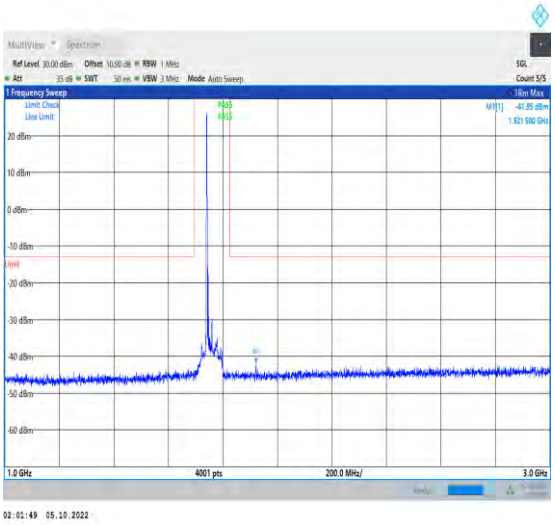

1-N66-PC3-15-40-H-1-DFT-QPSK-Inner_1RB_Left-1@1-1000-3000-Ant1-1921.50--41.95--13-PASS

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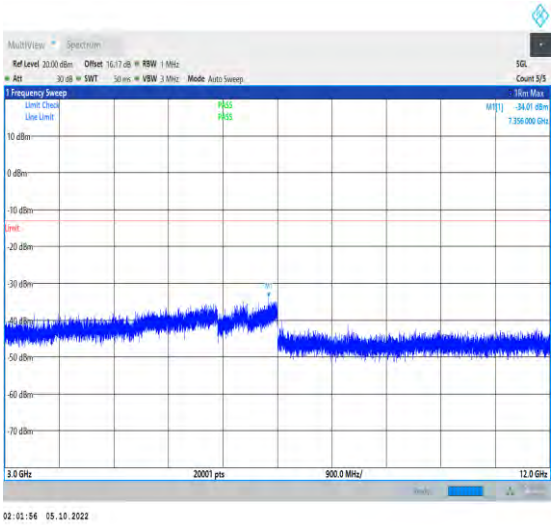

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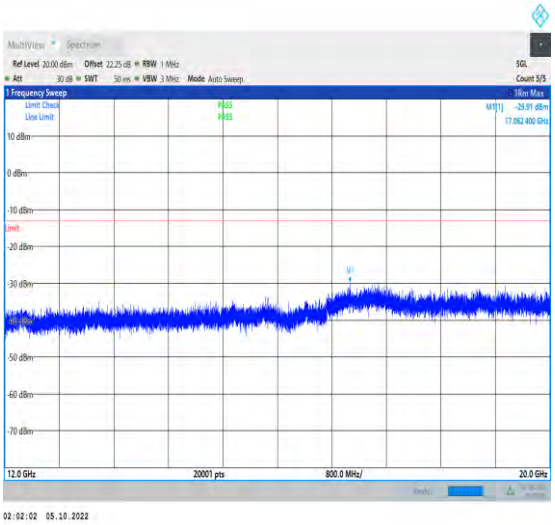

1-N66-PC3-15-40-H-1-DFT-QPSK-Inner_1RB_Left-1@1-12000-20000-Ant1-17062.40--29.91--13-PASS

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Field Strength of Spurious Radiation

Test Band = 5G NR SA Band66_ TM1
Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3422.1800	50.32	-46.28	29.45	-61.77	-13.00	48.77	235	259	Horizontal
2	5133.2700	45.93	-45.34	32.95	-61.72	-13.00	48.72	145	274	Horizontal
3	6844.3600	45.98	-44.14	35.89	-57.53	-13.00	44.53	126	274	Horizontal
4	8555.4500	43.16	-41.46	37.66	-55.90	-13.00	42.90	269	139	Horizontal
5	10266.5400	36.28	-39.23	38.83	-59.38	-13.00	46.38	251	123	Horizontal
6	11977.6300	32.40	-37.51	38.95	-61.43	-13.00	48.43	189	355	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3422.1800	49.12	-46.28	29.45	-62.97	-13.00	49.97	213	57	Vertical
2	5133.2700	45.53	-45.34	32.95	-62.12	-13.00	49.12	236	240	Vertical
3	6844.3600	45.80	-44.14	35.89	-57.71	-13.00	44.71	266	359	Vertical
4	8555.4500	42.08	-41.46	37.66	-56.98	-13.00	43.98	145	359	Vertical
5	10266.5400	37.18	-39.23	38.83	-58.48	-13.00	45.48	192	330	Vertical
6	11977.6300	31.96	-37.51	38.95	-61.87	-13.00	48.87	199	330	Vertical

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Member of the SGS Group (SGS SA)

Test Band = 5G NR SA Band66_ TM1
Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3472.1800	50.75	-46.27	29.50	-61.28	-13.00	48.28	211	316	Horizontal
2	5208.2700	47.61	-45.26	32.98	-59.93	-13.00	46.93	145	30	Horizontal
3	6944.3600	45.46	-43.85	36.01	-57.64	-13.00	44.64	129	60	Horizontal
4	8680.4500	41.69	-41.62	37.88	-57.31	-13.00	44.31	184	344	Horizontal
5	10416.5400	36.58	-38.97	38.88	-58.78	-13.00	45.78	162	90	Horizontal
6	12152.6300	32.74	-37.42	39.09	-60.85	-13.00	47.85	133	360	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3472.1800	53.50	-46.27	29.50	-58.53	-13.00	45.53	213	74	Vertical
2	5208.2700	47.18	-45.26	32.98	-60.36	-13.00	47.36	291	304	Vertical
3	6944.3600	45.17	-43.85	36.01	-57.93	-13.00	44.93	145	304	Vertical
4	8680.4500	42.91	-41.62	37.88	-56.09	-13.00	43.09	128	166	Vertical
5	10416.5400	36.36	-38.97	38.88	-59.00	-13.00	46.00	196	29	Vertical
6	12152.6300	33.28	-37.42	39.09	-60.31	-13.00	47.31	142	360	Vertical

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Test Band = 5G NR SA Band66_ TM1
Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3522.1800	48.56	-46.23	29.54	-63.39	-13.00	50.39	215	230	Horizontal
2	5283.2700	45.96	-45.12	32.91	-61.51	-13.00	48.51	145	75	Horizontal
3	7044.3600	47.04	-43.85	36.20	-55.87	-13.00	42.87	126	153	Horizontal
4	8805.4500	40.20	-41.25	38.08	-58.23	-13.00	45.23	236	258	Horizontal
5	10566.5400	35.34	-38.58	39.03	-59.47	-13.00	46.47	261	258	Horizontal
6	12327.6300	32.45	-37.45	39.09	-61.17	-13.00	48.17	199	61	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3522.1800	50.61	-46.23	29.54	-61.34	-13.00	48.34	152	90	Vertical
2	5283.2700	46.31	-45.12	32.91	-61.16	-13.00	48.16	145	152	Vertical
3	7044.3600	45.51	-43.85	36.20	-57.40	-13.00	44.40	126	75	Vertical
4	8805.4500	41.11	-41.25	38.08	-57.32	-13.00	44.32	291	30	Vertical
5	10566.5400	36.68	-38.58	39.03	-58.13	-13.00	45.13	148	106	Vertical
6	12327.6300	33.28	-37.45	39.09	-60.34	-13.00	47.34	172	227	Vertical

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Member of the SGS Group (SGS SA)

Test Band = 5G NR NSA 12A-N66A_ TM1
Test Channel = Low 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	3422.1800	48.95	-46.28	29.45	-63.14	-13.00	50.14	256	360	Horizontal
2	5133.2700	46.17	-45.34	32.95	-61.48	-13.00	48.48	142	240	Horizontal
3	6844.3600	46.61	-44.14	35.89	-56.90	-13.00	43.90	132	46	Horizontal
4	8555.4500	43.87	-41.46	37.66	-55.19	-13.00	42.19	255	286	Horizontal
5	10266.5400	36.30	-39.23	38.83	-59.36	-13.00	46.36	146	353	Horizontal
6	11977.6300	31.31	-37.51	38.95	-62.52	-13.00	49.52	126	195	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3422.1800	51.05	-46.28	29.45	-61.04	-13.00	48.04	198	360	Vertical
2	5133.2700	46.71	-45.34	32.95	-60.94	-13.00	47.94	148	135	Vertical
3	6844.3600	46.51	-44.14	35.89	-57.00	-13.00	44.00	152	360	Vertical
4	8555.4500	42.31	-41.46	37.66	-56.75	-13.00	43.75	164	227	Vertical
5	10266.5400	35.98	-39.23	38.83	-59.68	-13.00	46.68	125	121	Vertical
6	11977.6300	31.85	-37.51	38.95	-61.98	-13.00	48.98	170	318	Vertical

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Test Band = 5G NR NSA 12A-N66A_ TM1
Test Channel = Mid 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	3472.1800	49.92	-46.27	29.50	-62.11	-13.00	49.11	256	354	Horizontal
2	5208.2700	47.93	-45.26	32.98	-59.61	-13.00	46.61	142	91	Horizontal
3	6944.3600	47.59	-43.85	36.01	-55.51	-13.00	42.51	199	120	Horizontal
4	8680.4500	41.95	-41.62	37.88	-57.05	-13.00	44.05	152	354	Horizontal
5	10416.5400	34.87	-38.97	38.88	-60.49	-13.00	47.49	145	288	Horizontal
6	12152.6300	33.47	-37.42	39.09	-60.12	-13.00	47.12	188	91	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3472.1800	54.84	-46.27	29.50	-57.19	-13.00	44.19	284	74	Vertical
2	5208.2700	47.00	-45.26	32.98	-60.54	-13.00	47.54	175	4	Vertical
3	6944.3600	47.46	-43.85	36.01	-55.64	-13.00	42.64	169	90	Vertical
4	8680.4500	42.39	-41.62	37.88	-56.61	-13.00	43.61	145	29	Vertical
5	10416.5400	34.81	-38.97	38.88	-60.55	-13.00	47.55	125	135	Vertical
6	12152.6300	33.09	-37.42	39.09	-60.50	-13.00	47.50	192	359	Vertical

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Test Band = 5G NR NSA 12A-N66A_ TM1
Test Channel = High 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	3522.1800	50.27	-46.23	29.54	-61.68	-13.00	48.68	215	317	Horizontal
2	5283.2700	46.26	-45.12	32.91	-61.21	-13.00	48.21	142	242	Horizontal
3	7044.3600	46.83	-43.85	36.20	-56.08	-13.00	43.08	136	242	Horizontal
4	8805.4500	40.83	-41.25	38.08	-57.60	-13.00	44.60	265	227	Horizontal
5	10566.5400	34.77	-38.58	39.03	-60.04	-13.00	47.04	158	227	Horizontal
6	12327.6300	33.19	-37.45	39.09	-60.43	-13.00	47.43	199	358	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3522.1800	51.09	-46.23	29.54	-60.86	-13.00	47.86	148	180	Vertical
2	5283.2700	46.23	-45.12	32.91	-61.24	-13.00	48.24	255	166	Vertical
3	7044.3600	46.04	-43.85	36.20	-56.87	-13.00	43.87	142	29	Vertical
4	8805.4500	40.52	-41.25	38.08	-57.91	-13.00	44.91	169	358	Vertical
5	10566.5400	35.45	-38.58	39.03	-59.36	-13.00	46.36	199	180	Vertical
6	12327.6300	32.57	-37.45	39.09	-61.05	-13.00	48.05	254	352	Vertical

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Test Band = 5G NR N25_N66_ TM1
Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3422.1800	48.46	-46.28	29.45	-63.63	-13.00	50.63	245	346	Horizontal
2	3704.1800	48.17	-45.52	29.99	-62.62	-13.00	49.62	136	255	Horizontal
3	5133.2700	45.79	-45.34	32.95	-61.86	-13.00	48.86	255	0	Horizontal
4	5556.2700	48.47	-45.14	32.97	-58.96	-13.00	45.96	195	331	Horizontal
5	6844.3600	45.41	-44.14	35.89	-58.10	-13.00	45.10	145	225	Horizontal
6	7408.3600	44.64	-43.39	36.49	-57.52	-13.00	44.52	182	0	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3422.1800	48.86	-46.28	29.45	-63.23	-13.00	50.23	216	147	Vertical
2	3704.1800	47.69	-45.52	29.99	-63.10	-13.00	50.10	236	254	Vertical
3	5133.2700	45.40	-45.34	32.95	-62.25	-13.00	49.25	145	102	Vertical
4	5556.2700	48.34	-45.14	32.97	-59.09	-13.00	46.09	163	147	Vertical
5	6844.3600	46.86	-44.14	35.89	-56.65	-13.00	43.65	261	6	Vertical
6	7408.3600	44.48	-43.39	36.49	-57.68	-13.00	44.68	192	6	Vertical

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Test Band = 5G NR N25_N66_ TM1
Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3472.1800	49.16	-46.27	29.50	-62.87	-13.00	49.87	211	56	Horizontal
2	3729.1800	49.33	-45.62	30.08	-61.48	-13.00	48.48	145	356	Horizontal
3	5208.2700	47.52	-45.26	32.98	-60.02	-13.00	47.02	136	300	Horizontal
4	5593.7700	48.71	-45.08	33.01	-58.62	-13.00	45.62	251	270	Horizontal
5	6944.3600	47.21	-43.85	36.01	-55.89	-13.00	42.89	188	315	Horizontal
6	7458.3600	44.60	-43.25	36.46	-57.45	-13.00	44.45	196	165	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3472.1800	52.98	-46.27	29.50	-59.05	-13.00	46.05	254	257	Vertical
2	3729.1800	47.88	-45.62	30.08	-62.93	-13.00	49.93	186	122	Vertical
3	5208.2700	46.46	-45.26	32.98	-61.08	-13.00	48.08	195	151	Vertical
4	5593.7700	46.41	-45.08	33.01	-60.92	-13.00	47.92	142	274	Vertical
5	6944.3600	46.82	-43.85	36.01	-56.28	-13.00	43.28	133	332	Vertical
6	7458.3600	43.99	-43.25	36.46	-58.06	-13.00	45.06	261	274	Vertical

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Test Band = 5G NR N25_N66_ TM1
Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3522.1800	49.14	-46.23	29.54	-62.81	-13.00	49.81	254	14	Horizontal
2	3754.1800	47.70	-45.73	30.17	-63.12	-13.00	50.12	186	332	Horizontal
3	5283.2700	46.27	-45.12	32.91	-61.20	-13.00	48.20	254	285	Horizontal
4	5631.2700	48.37	-45.00	33.14	-58.75	-13.00	45.75	136	346	Horizontal
5	7044.3600	46.68	-43.85	36.20	-56.23	-13.00	43.23	266	285	Horizontal
6	7508.3600	45.05	-43.12	36.44	-56.90	-13.00	43.90	215	285	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3522.1800	49.65	-46.23	29.54	-62.30	-13.00	49.30	145	166	Vertical
2	3754.1800	47.40	-45.73	30.17	-63.42	-13.00	50.42	266	8	Vertical
3	5283.2700	46.68	-45.12	32.91	-60.79	-13.00	47.79	251	273	Vertical
4	5631.2700	46.94	-45.00	33.14	-60.18	-13.00	47.18	148	346	Vertical
5	7044.3600	46.88	-43.85	36.20	-56.03	-13.00	43.03	198	59	Vertical
6	7508.3600	44.76	-43.12	36.44	-57.19	-13.00	44.19	177	8	Vertical

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Test Band = 5G NR N41_N66_ TM1
Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3422.1800	49.84	-46.28	29.45	-62.25	-25.00	37.25	254	0	Horizontal
2	5002.2000	46.85	-45.63	32.88	-61.16	-25.00	36.16	163	272	Horizontal
3	5133.2700	46.60	-45.34	32.95	-61.05	-25.00	36.05	255	257	Horizontal
4	6844.3600	45.61	-44.14	35.89	-57.90	-25.00	32.90	185	74	Horizontal
5	7503.3000	43.64	-43.13	36.44	-58.31	-25.00	33.31	146	43	Horizontal
6	10004.4000	38.12	-39.23	38.50	-57.88	-25.00	32.88	216	0	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3422.1800	48.74	-46.28	29.45	-63.35	-25.00	38.35	169	194	Vertical
2	5002.2000	47.85	-45.63	32.88	-60.16	-25.00	35.16	184	6	Vertical
3	5133.2700	45.58	-45.34	32.95	-62.07	-25.00	37.07	175	103	Vertical
4	6844.3600	46.03	-44.14	35.89	-57.48	-25.00	32.48	142	0	Vertical
5	7503.3000	44.85	-43.13	36.44	-57.10	-25.00	32.10	133	317	Vertical
6	10004.4000	37.37	-39.23	38.50	-58.63	-25.00	33.63	215	89	Vertical

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Test Band = 5G NR N41_N66_ TM1
Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3472.1800	49.16	-46.27	29.50	-62.87	-25.00	37.87	286	344	Horizontal
2	5096.1600	46.88	-45.38	32.93	-60.83	-25.00	35.83	145	178	Horizontal
3	5208.2700	46.13	-45.26	32.98	-61.41	-25.00	36.41	195	330	Horizontal
4	6944.3600	46.42	-43.85	36.01	-56.68	-25.00	31.68	172	0	Horizontal
5	7644.2400	45.38	-43.02	36.48	-56.42	-25.00	31.42	136	356	Horizontal
6	10192.3200	35.51	-39.47	38.80	-60.42	-25.00	35.42	266	7	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3472.1800	49.31	-46.27	29.50	-62.72	-25.00	37.72	245	0	Vertical
2	5096.1600	46.79	-45.38	32.93	-60.92	-25.00	35.92	188	104	Vertical
3	5208.2700	46.90	-45.26	32.98	-60.64	-25.00	35.64	175	133	Vertical
4	6944.3600	47.13	-43.85	36.01	-55.97	-25.00	30.97	146	285	Vertical
5	7644.2400	46.49	-43.02	36.48	-55.31	-25.00	30.31	292	7	Vertical
6	10192.3200	34.69	-39.47	38.80	-61.24	-25.00	36.24	134	3	Vertical

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Test Band = 5G NR N41_N66_ TM1
Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3522.1800	49.10	-46.23	29.54	-62.85	-25.00	37.85	255	7	Horizontal
2	5190.1800	48.56	-45.29	32.98	-59.00	-25.00	34.00	145	224	Horizontal
3	5283.2700	46.34	-45.12	32.91	-61.13	-25.00	36.13	196	101	Horizontal
4	7044.3600	45.62	-43.85	36.20	-57.29	-25.00	32.29	172	15	Horizontal
5	7785.2700	43.51	-42.43	36.75	-57.42	-25.00	32.42	111	26	Horizontal
6	10380.3600	35.77	-39.03	38.86	-59.66	-25.00	34.66	140	72	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3522.1800	49.00	-46.23	29.54	-62.95	-25.00	37.95	256	255	Vertical
2	5190.1800	46.78	-45.29	32.98	-60.78	-25.00	35.78	169	87	Vertical
3	5283.2700	46.70	-45.12	32.91	-60.77	-25.00	35.77	192	178	Vertical
4	7044.3600	47.10	-43.85	36.20	-55.81	-25.00	30.81	143	356	Vertical
5	7785.2700	43.83	-42.43	36.75	-57.10	-25.00	32.10	222	164	Vertical
6	10380.3600	35.84	-39.03	38.86	-59.59	-25.00	34.59	133	164	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
N66	15	40	DFT-QPSK	M	Outer_Full	VH	NT	5.800000	0.003324	PASS
N66	15	40	DFT-QPSK	M	Outer_Full	VN	NT	5.200000	0.002980	PASS
N66	15	40	DFT-QPSK	M	Outer_Full	VL	NT	0.200000	0.000115	PASS
N66	15	40	CP-QPSK	M	Outer_Full	VH	NT	2.300000	0.001318	PASS
N66	15	40	CP-QPSK	M	Outer_Full	VN	NT	2.100000	0.001203	PASS
N66	15	40	CP-QPSK	M	Outer_Full	VL	NT	2.200000	0.001261	PASS

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Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N66	15	40	DFT-QPSK	M	Outer_Full	NV	-30	18.400000	0.010544	PASS
N66	15	40	DFT-QPSK	M	Outer_Full	NV	-20	10.900000	0.006246	PASS
N66	15	40	DFT-QPSK	M	Outer_Full	NV	-10	12.800000	0.007335	PASS
N66	15	40	DFT-QPSK	M	Outer_Full	NV	0	14.200000	0.008138	PASS
N66	15	40	DFT-QPSK	M	Outer_Full	NV	10	11.900000	0.006819	PASS
N66	15	40	DFT-QPSK	M	Outer_Full	NV	20	12.800000	0.007335	PASS
N66	15	40	DFT-QPSK	M	Outer_Full	NV	30	11.400000	0.006533	PASS
N66	15	40	DFT-QPSK	M	Outer_Full	NV	40	7.700000	0.004413	PASS
N66	15	40	DFT-QPSK	M	Outer_Full	NV	50	8.600000	0.004928	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	-30	15.400000	0.008825	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	-20	13.900000	0.007966	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	-10	7.000000	0.004011	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	0	5.400000	0.003095	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	10	-1.600000	-0.000917	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	20	5.400000	0.003095	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	30	8.800000	0.005043	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	40	11.900000	0.006819	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	50	-1.100000	-0.000630	PASS

---End of Attachment---

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