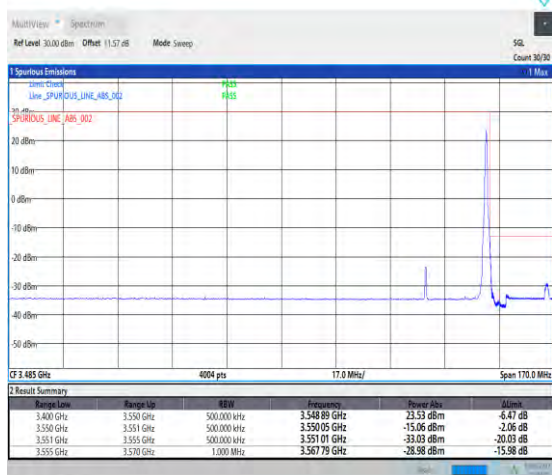


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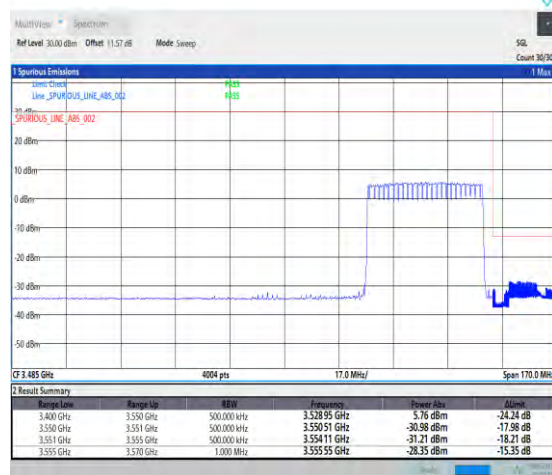
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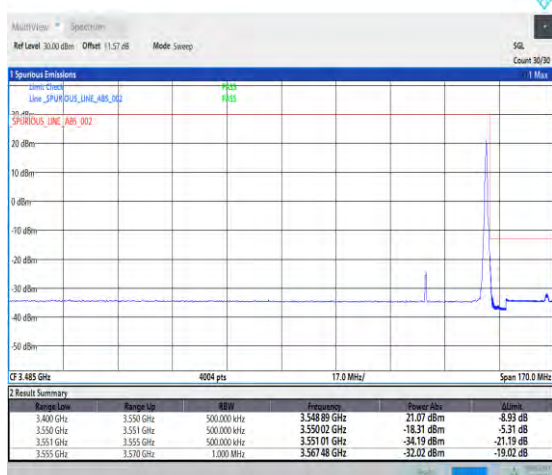
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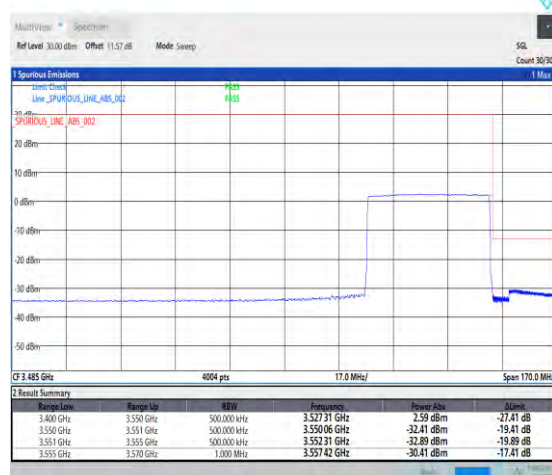
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18-09-02 14:09:2022

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18-10-30 14:09:2022

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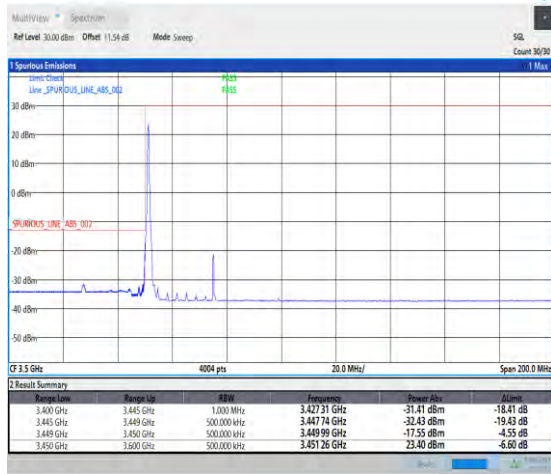
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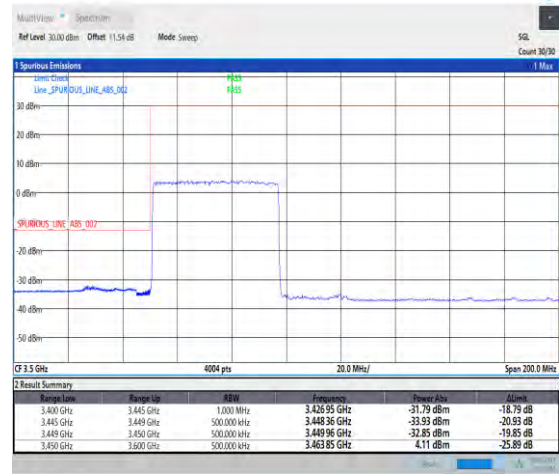
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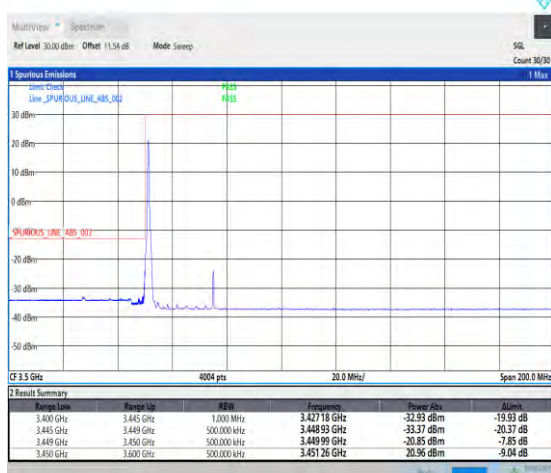
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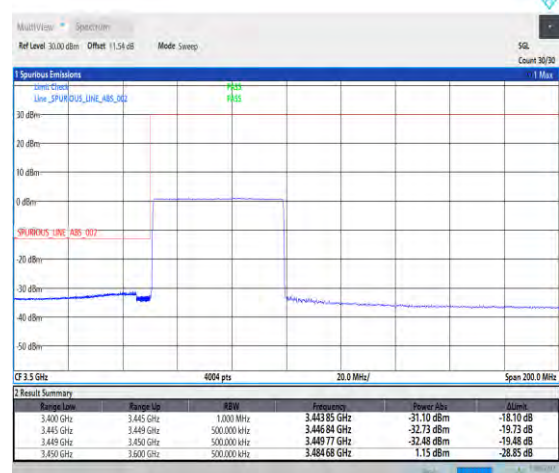
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18:15:16 14.09.2022

1-N78-3450-3550-PC2-30-50-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



18:16:44 14.09.2022

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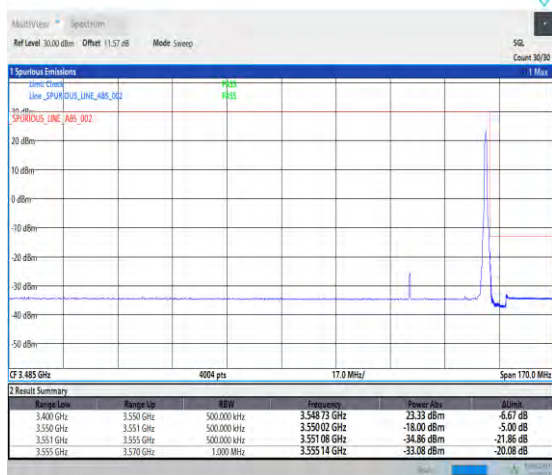
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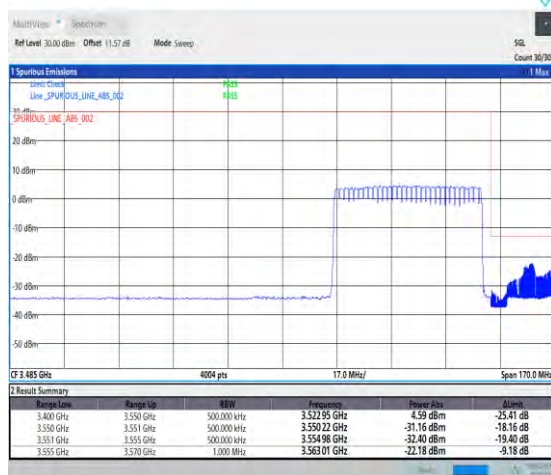
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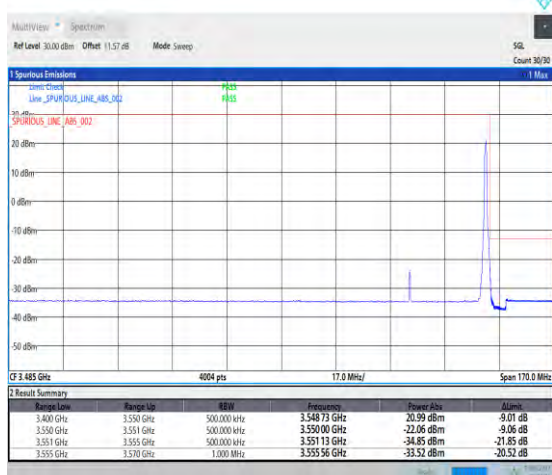
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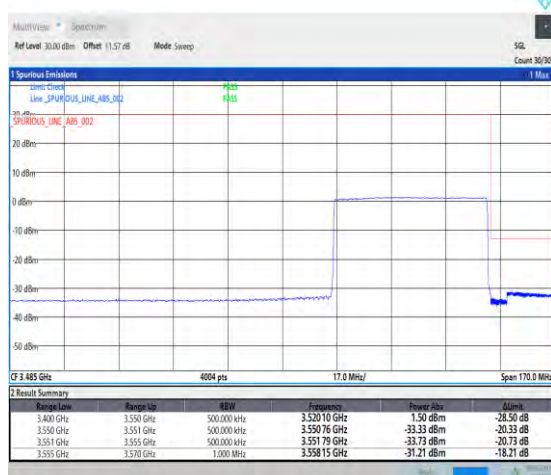
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18:22:26 14.09.2022

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18:22:53 14.09.2022

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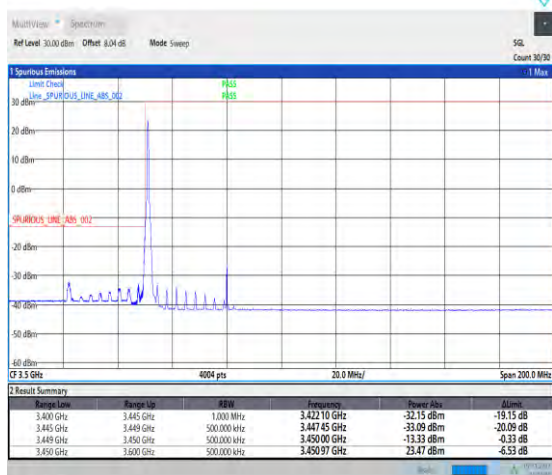
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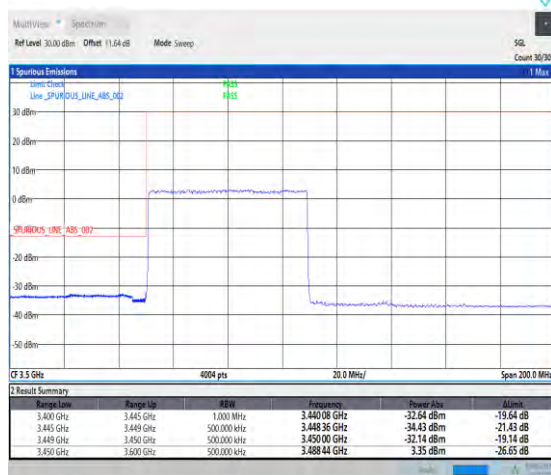
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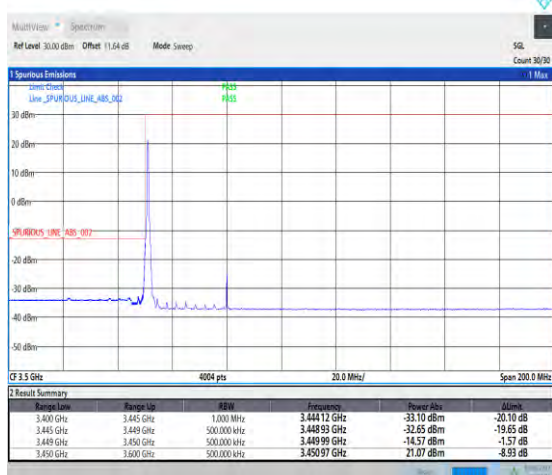
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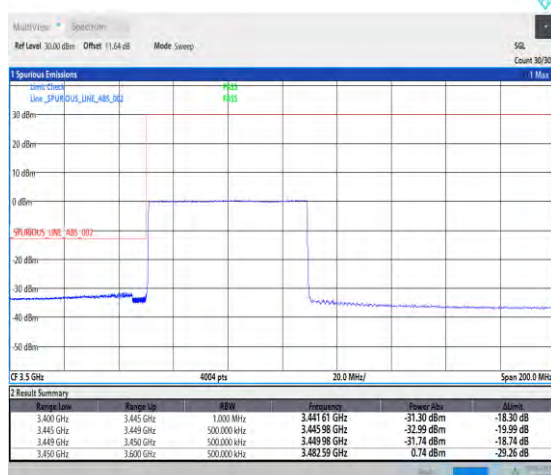
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18:27:42 14.09.2022

1-N78-3450-3550-PC2-30-60-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



18:29:19 14.09.2022

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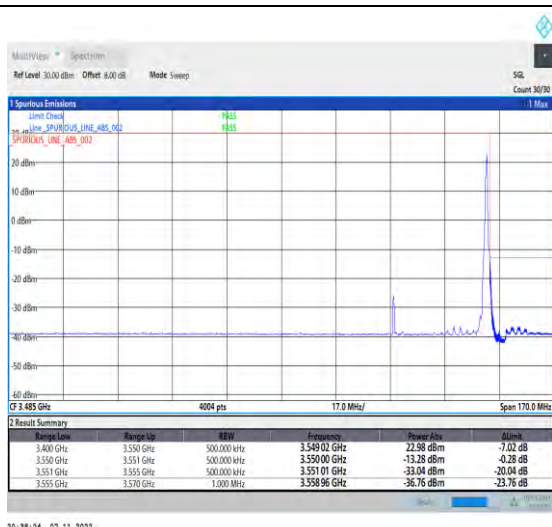
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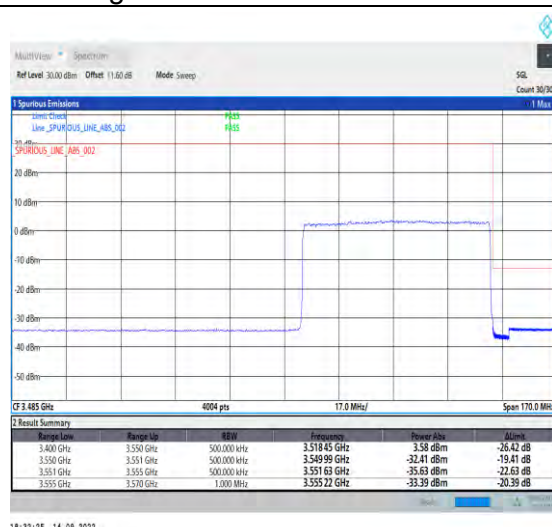
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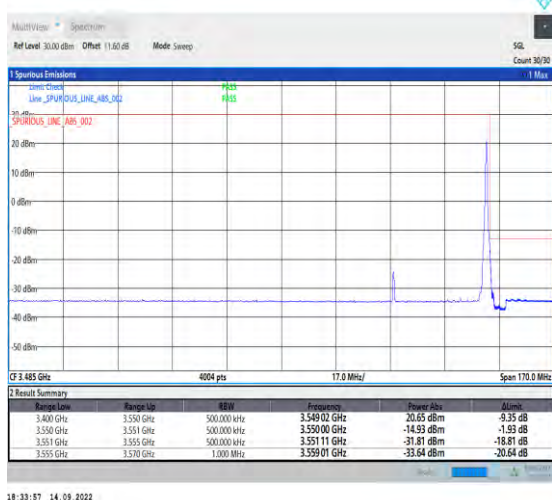
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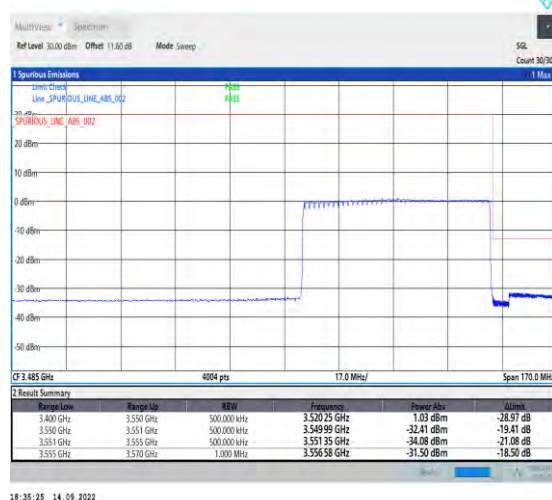
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18:33:57 14.09.2022

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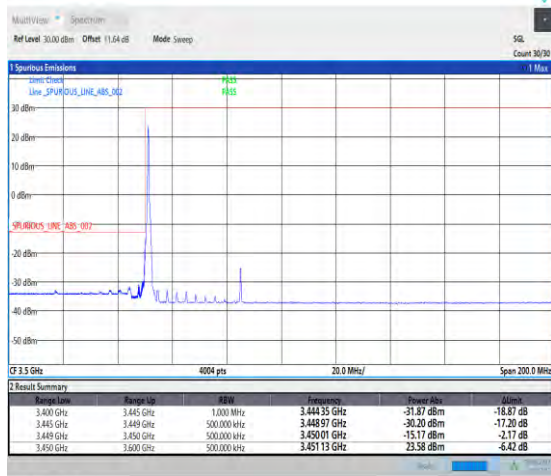
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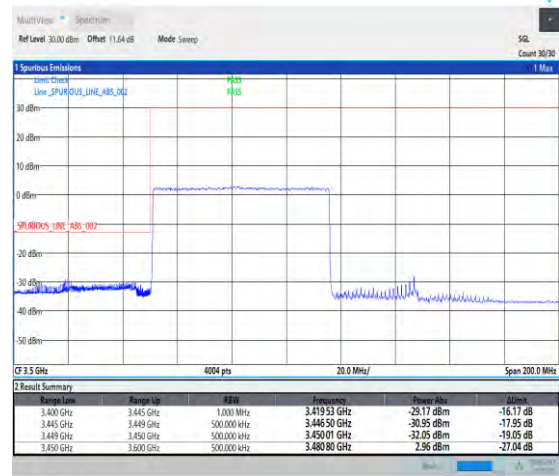
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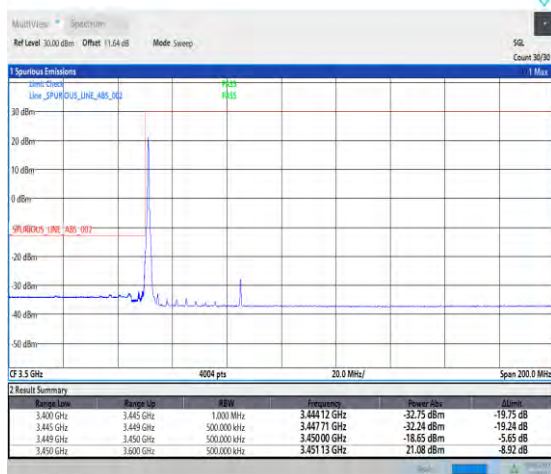
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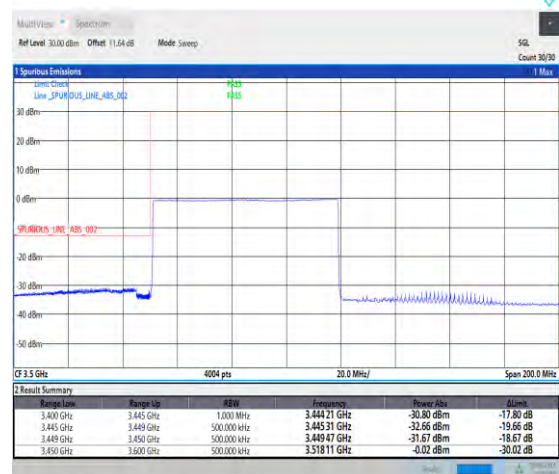
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18:40:32 14.09.2022

1-N78-3450-3550-PC2-30-70-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



18:42:01 14.09.2022

1-N78-3450-3550-PC2-30-70-L-6-CP-QPSK-Outer_Full-189@0-Ant1-1--PASS-see graph



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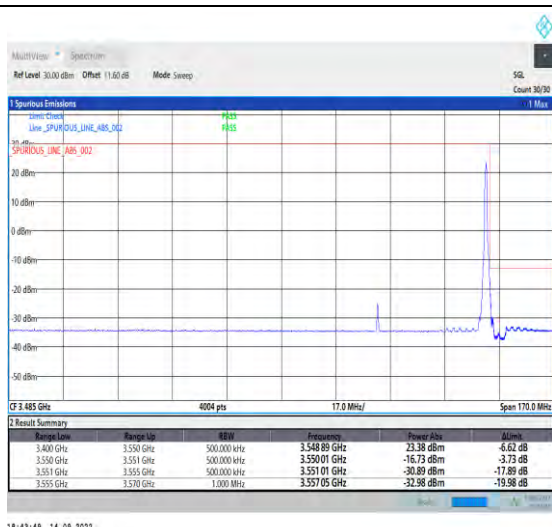
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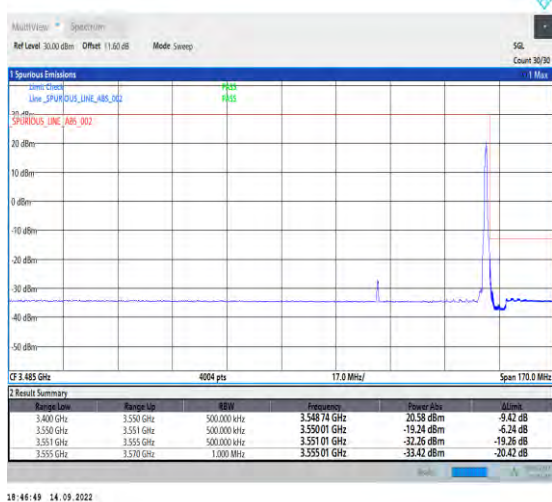
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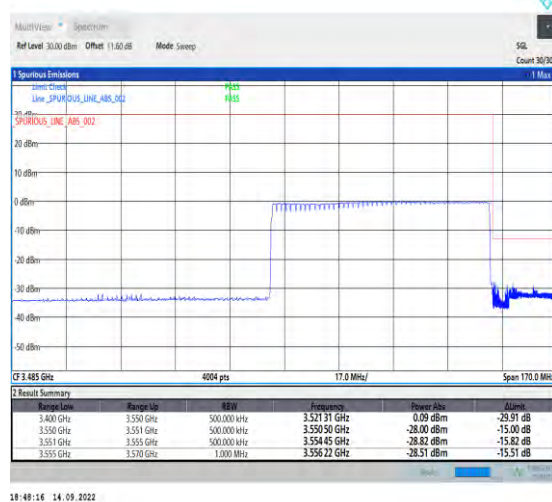
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18:46:49 14.09.2022

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18:48:16 14.09.2022

1-N78-3450-3550-PC2-30-70-H-6-CP-QPSK-Outer_Full-189@0-Ant1-1--PASS-see graph



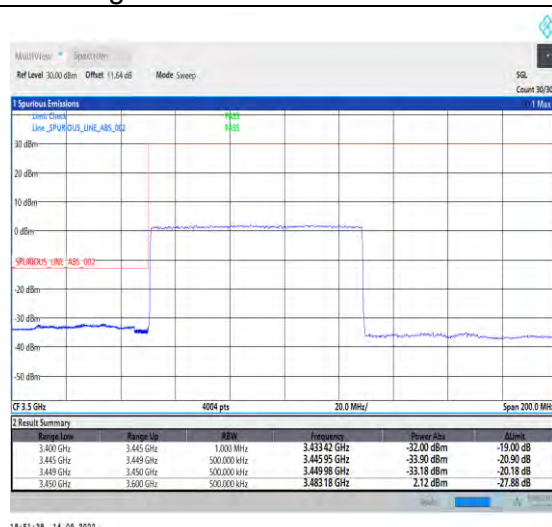
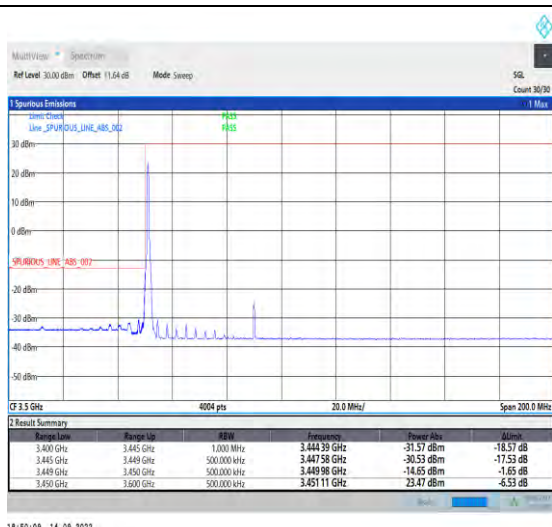
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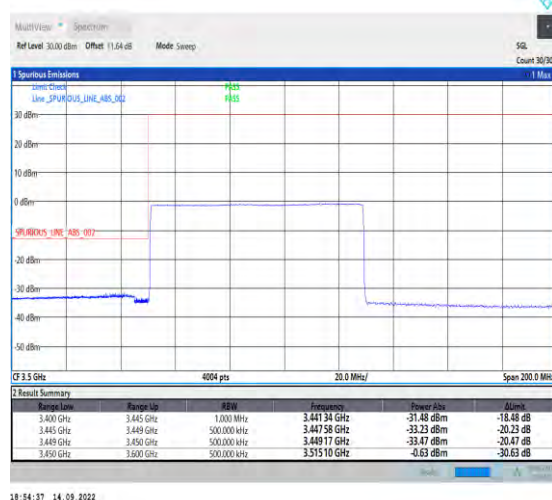
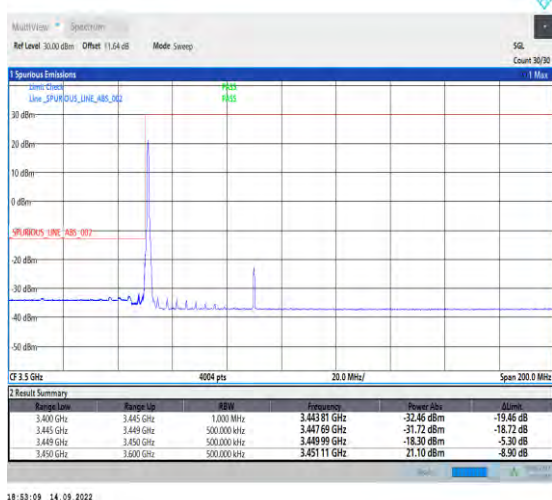
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1-N78-3450-3550-PC2-30-80-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

1-N78-3450-3550-PC2-30-80-L-3-DFT-PI2BPSK-Outer_Full-216@0-Ant1-1--PASS-see graph



1-N78-3450-3550-PC2-30-80-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

1-N78-3450-3550-PC2-30-80-L-6-CP-QPSK-Outer_Full-217@0-Ant1-1--PASS-see graph



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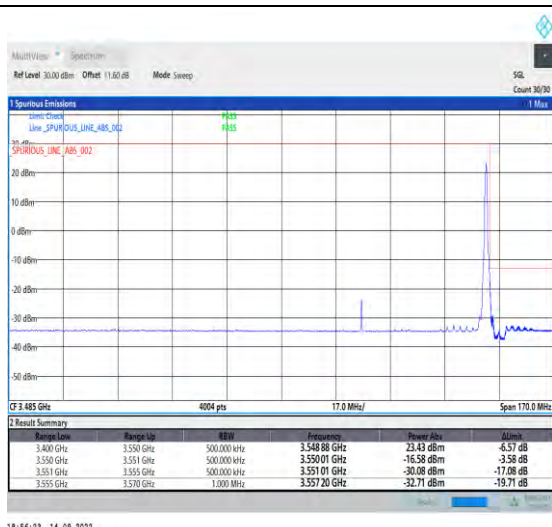
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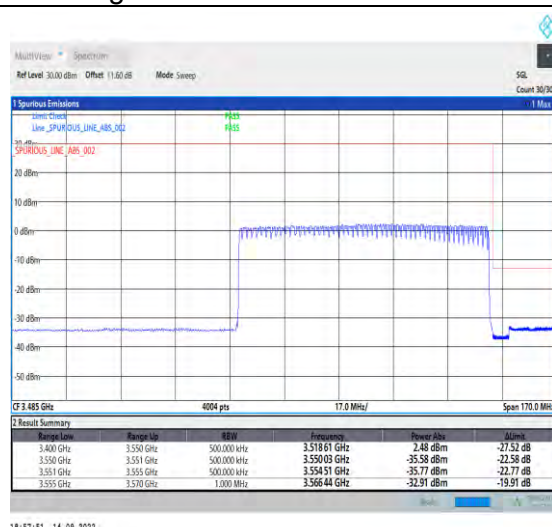
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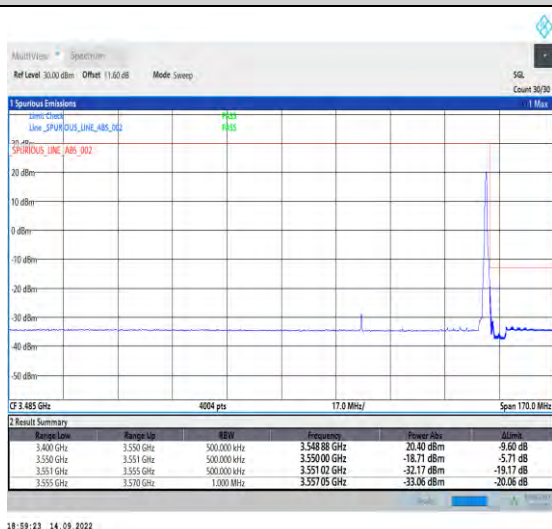
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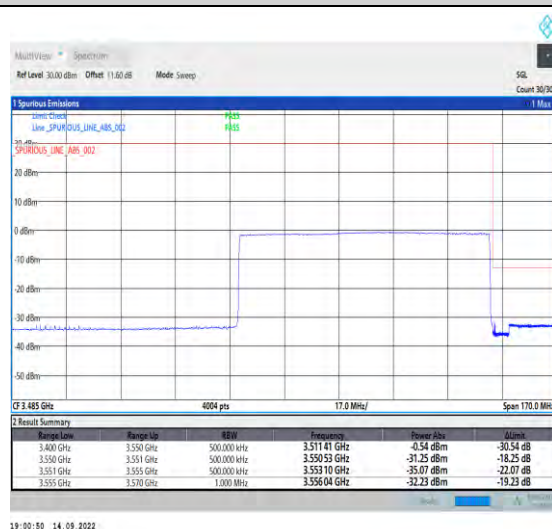
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18:59:23 14.09.2022

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19:00:50 14.09.2022

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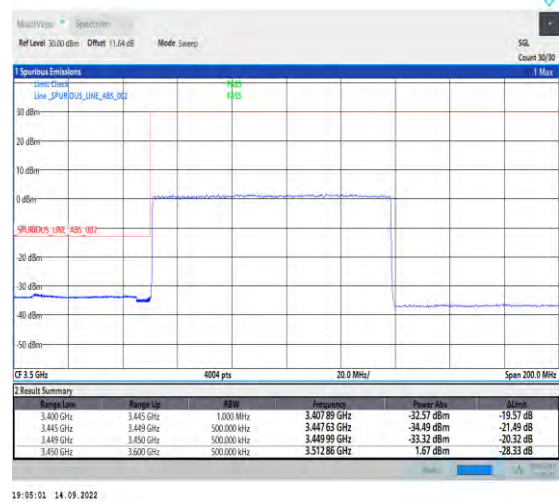
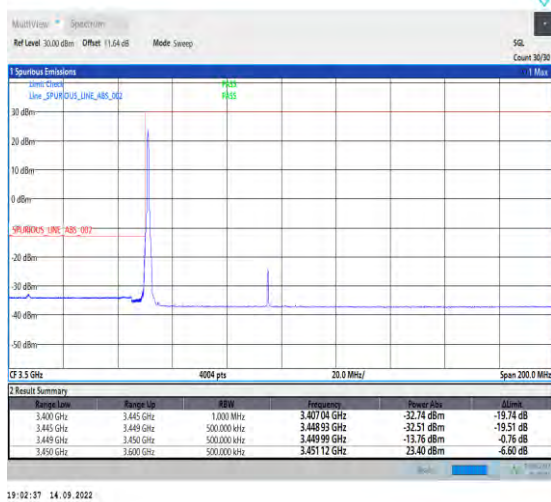
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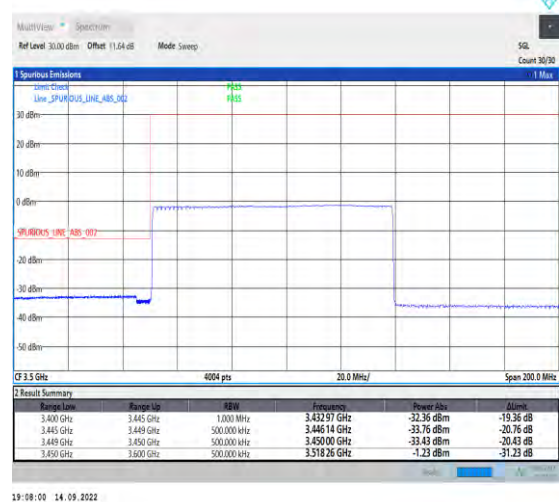
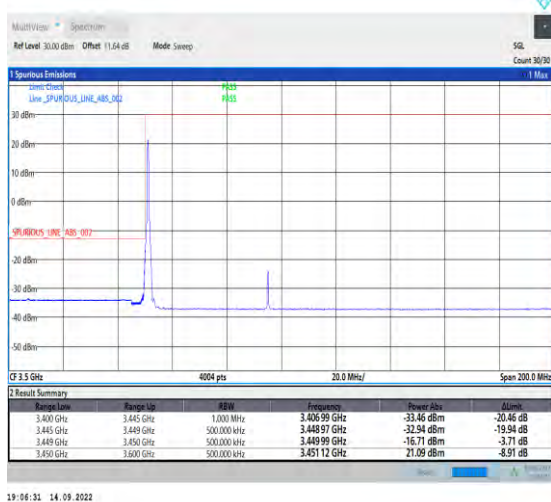
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1-N78-3450-3550-PC2-30-90-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

1-N78-3450-3550-PC2-30-90-L-3-DFT-PI2BPSK-Outer_Full-243@0-Ant1-1--PASS-see graph



1-N78-3450-3550-PC2-30-90-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

1-N78-3450-3550-PC2-30-90-L-6-CP-QPSK-Outer_Full-245@0-Ant1-1--PASS-see graph



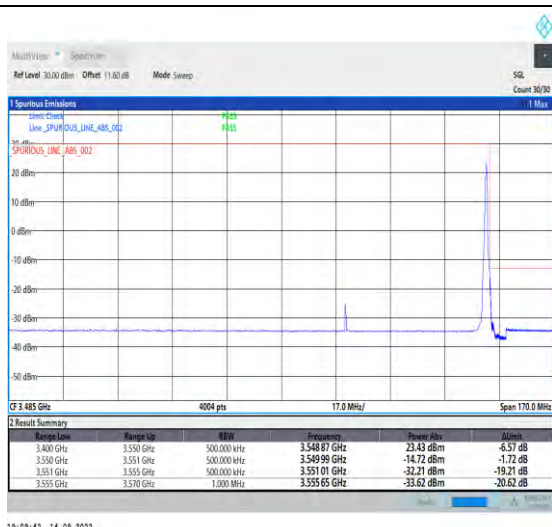
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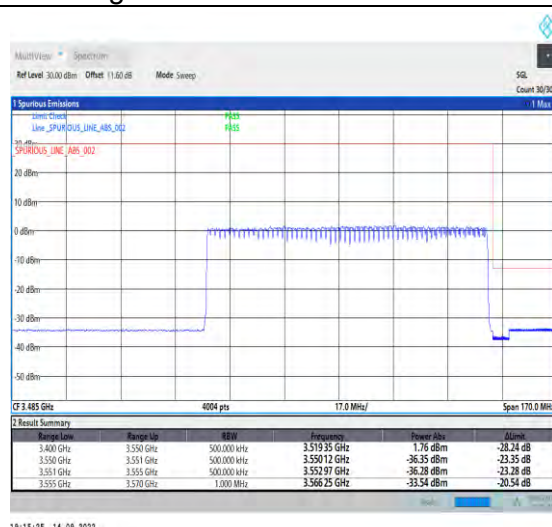
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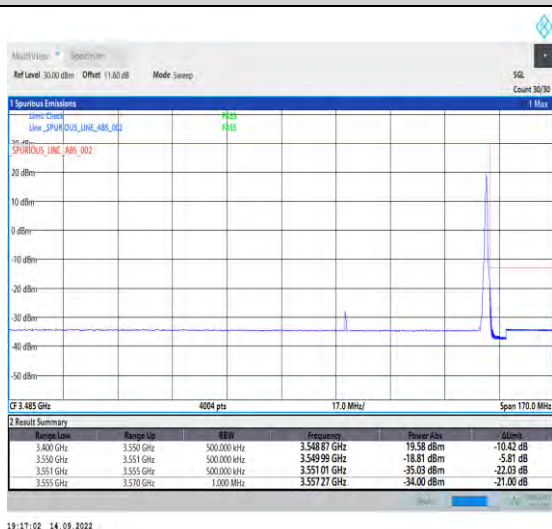
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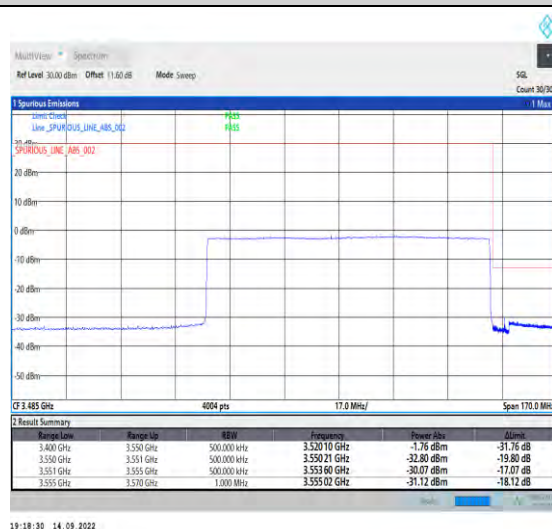
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19:17:02 14.09.2022

1-N78-3450-3550-PC2-30-90-H-5-CP-QPSK-Edge_1RB_Right-1@244-Ant1-1--PASS-see graph



19:18:30 14.09.2022

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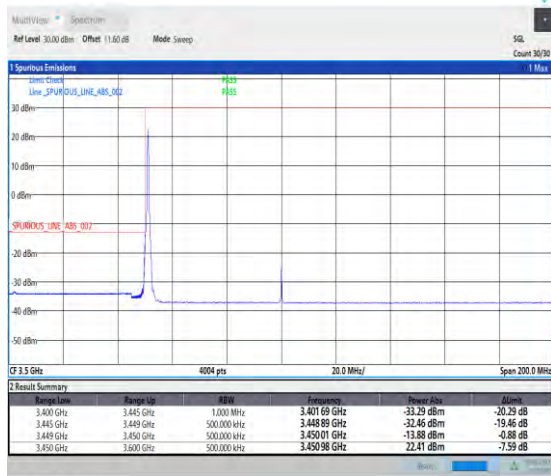
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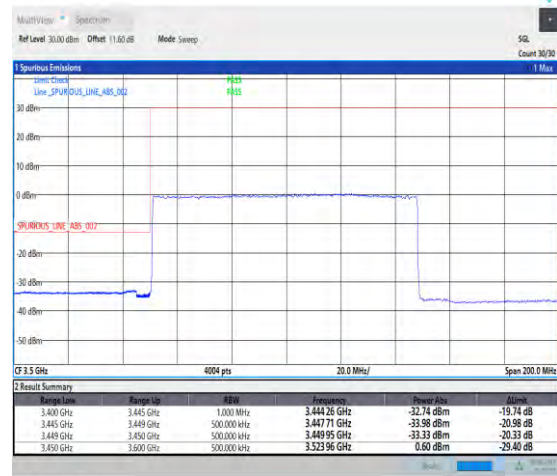
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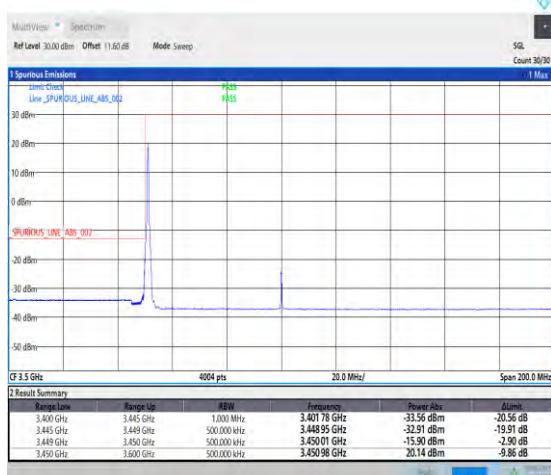
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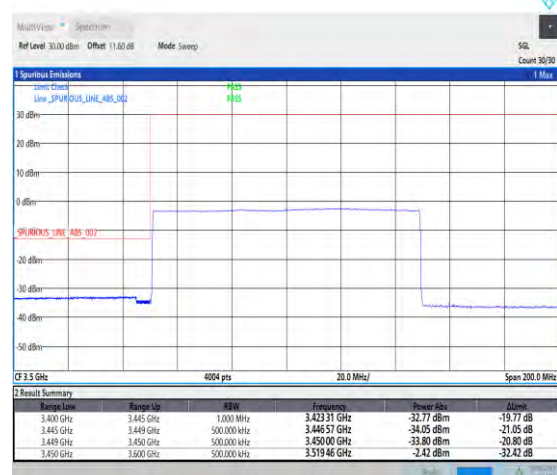
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1-N78-3450-3550-PC2-30-100-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

1-N78-3450-3550-PC2-30-100-L-3-DFT-PI2BPSK-Outer_Full-270@0-Ant1-1--PASS-see graph



19:23:08 14.09.2022



19:24:36 14.09.2022

1-N78-3450-3550-PC2-30-100-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

1-N78-3450-3550-PC2-30-100-L-6-CP-QPSK-Outer_Full-273@0-Ant1-1--PASS-see graph



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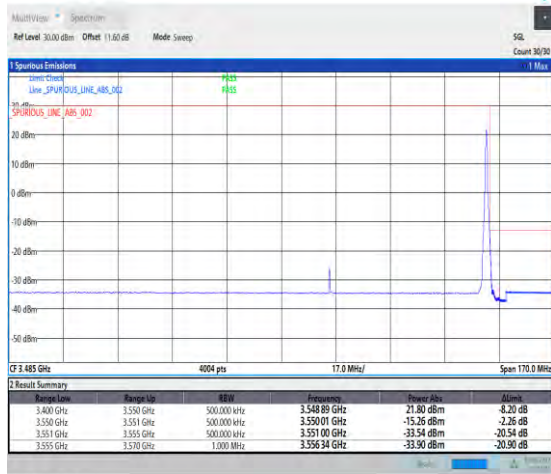
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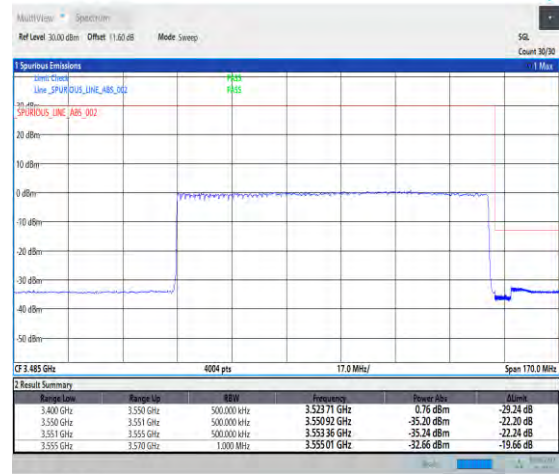
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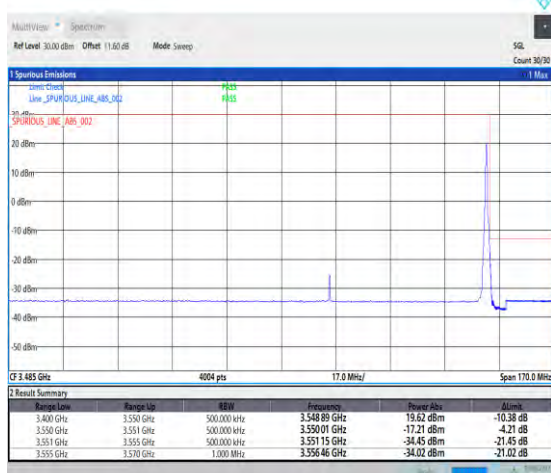
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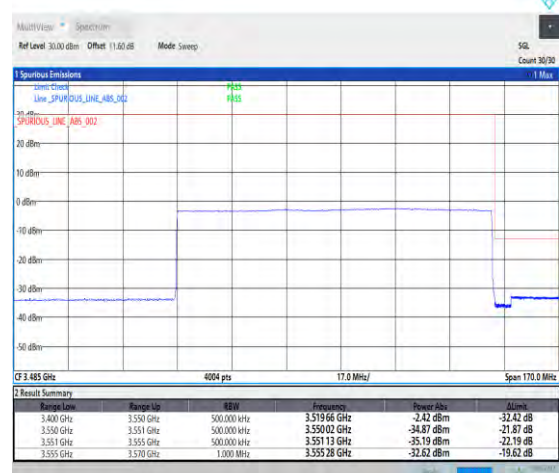
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1-N78-3450-3550-PC2-30-100-H-3-DFT-PI2BPSK-Outer_Full-270@0-Ant1-1--PASS-see graph



19-29:26 14.09.2022

1-N78-3450-3550-PC2-30-100-H-5-CP-QPSK-Edge_1RB_Right-1@272-Ant1-1--PASS-see graph



19-30:54 14.09.2022

1-N78-3450-3550-PC2-30-100-H-6-CP-QPSK-Outer_Full-273@0-Ant1-1--PASS-see graph



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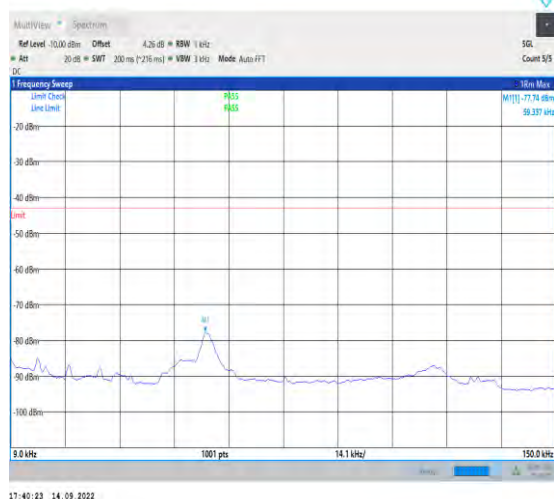
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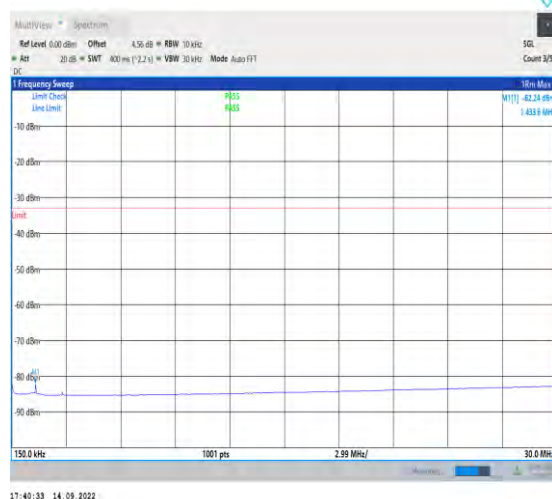
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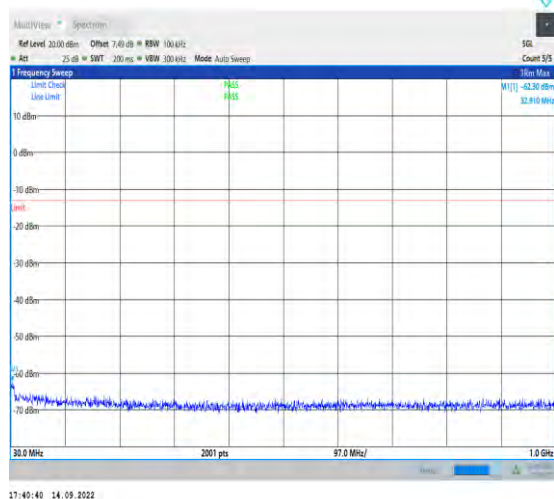
Test Graphs



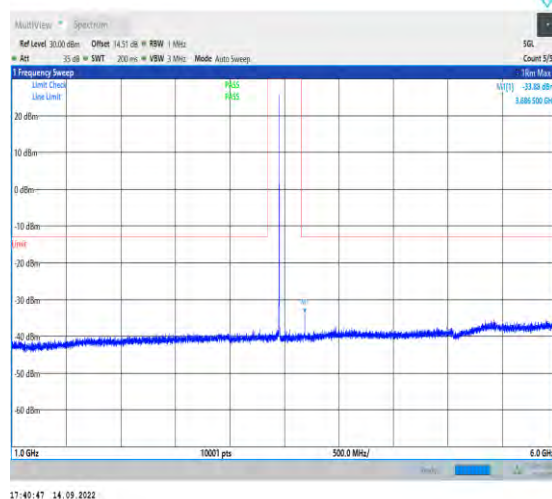
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1-N78-3450-3550-PC2-30-100-L-1-DFT-PI2BPSK-In
ner_1RB_Left-1@1-0.15-30-Ant1-1.43--82.24--33-PA
SS



1-N78-3450-3550-PC2-30-100-L-1-DFT-PI2BPSK-In
ner_1RB_Left-1@1-30-1000-Ant1-32.91--62.30--13-
PASS



1-N78-3450-3550-PC2-30-100-L-1-DFT-PI2BPSK-In
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-13-PASS



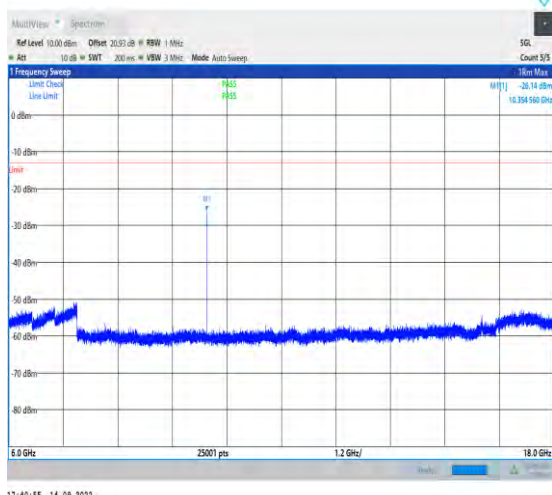
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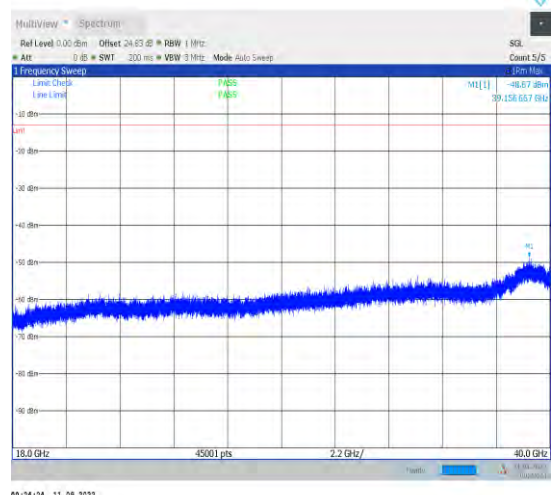
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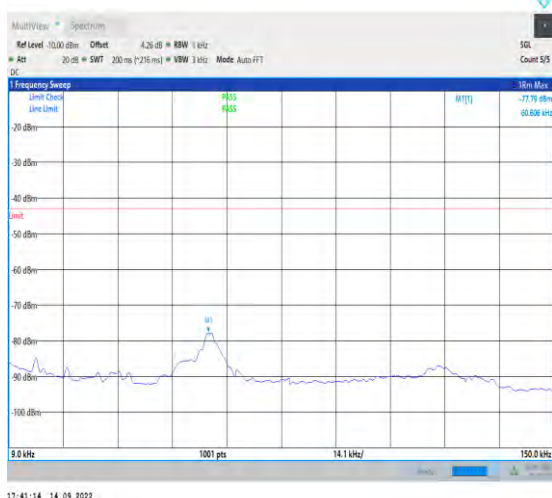
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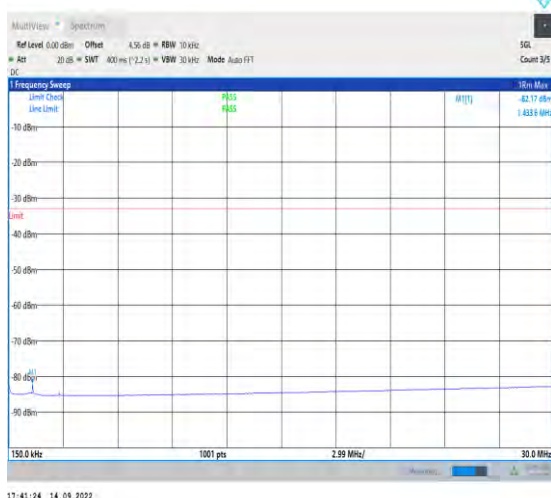
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14--13-PASS



1-N78-3450-3550-PC2-30-100-L-1-DFT-PI2BPSK-In
ner_1RB_Left-1@1-18000-40000-Ant1-18000.00--54
.79--13-PASS



1-N78-3450-3550-PC2-30-100-M-1-DFT-PI2BPSK-I
nner_1RB_Left-1@1-0.009-0.15-Ant1-0.06--77.79--4
3-PASS



1-N78-3450-3550-PC2-30-100-M-1-DFT-PI2BPSK-In
ner_1RB_Left-1@1-0.15-30-Ant1-1.43--82.17--33-PA
SS



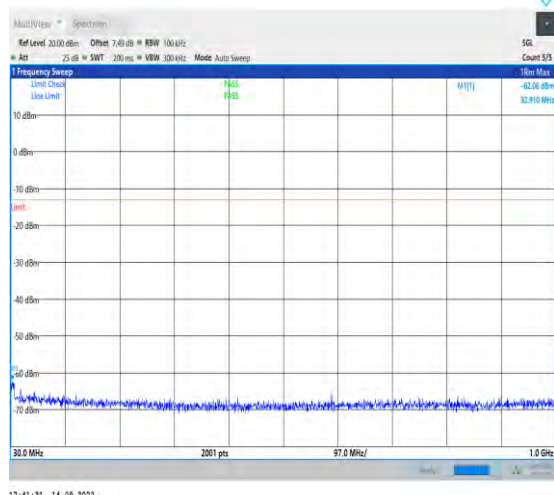
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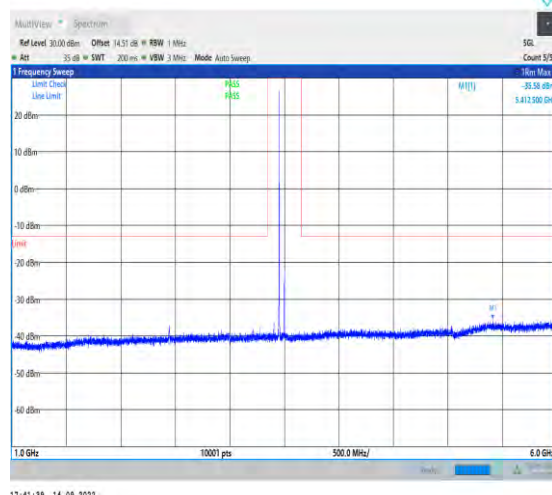
Report No.: SEWA2204000009RG02

Rev.: 01

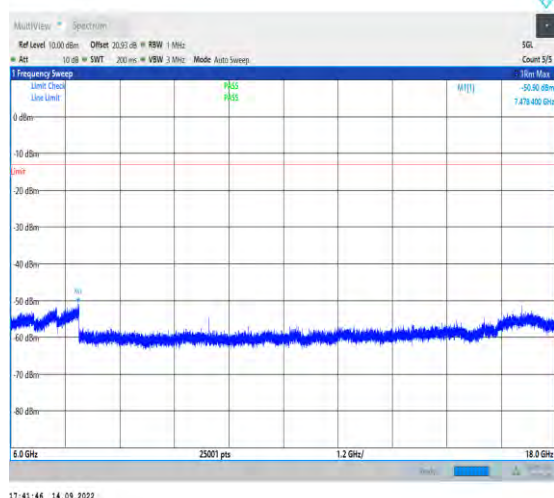
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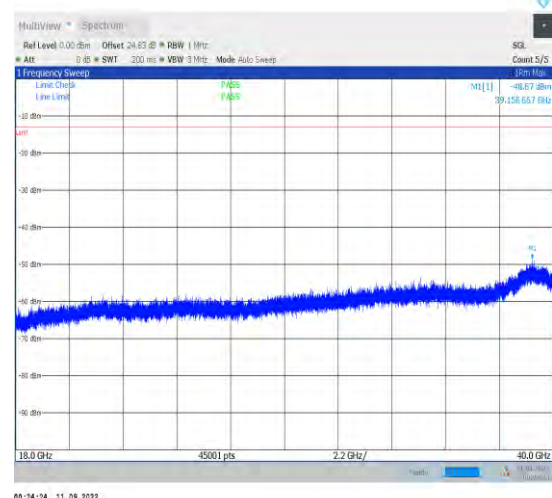
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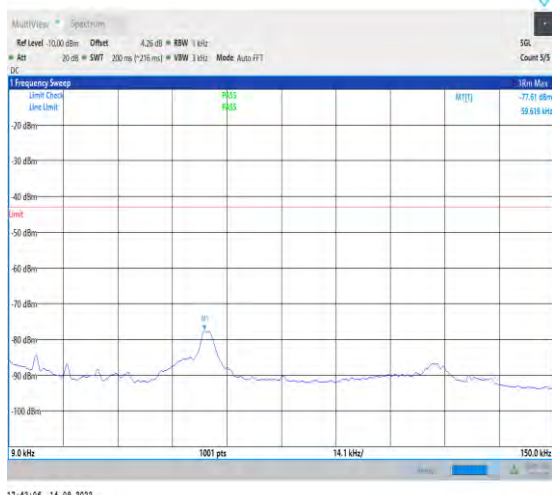
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Report No.: SEWA2204000009RG02

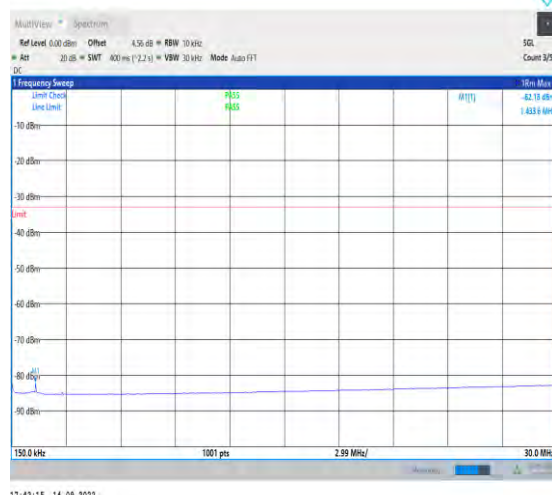
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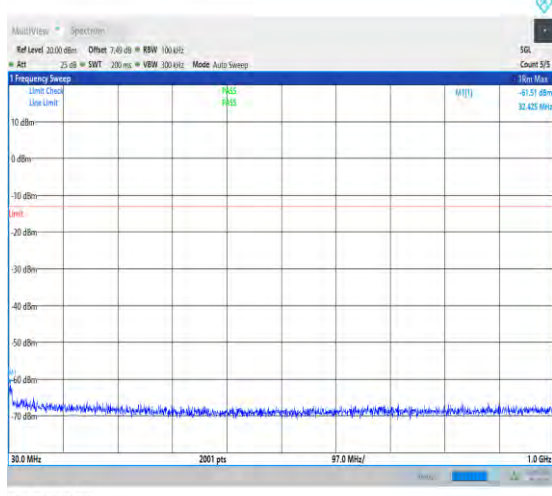
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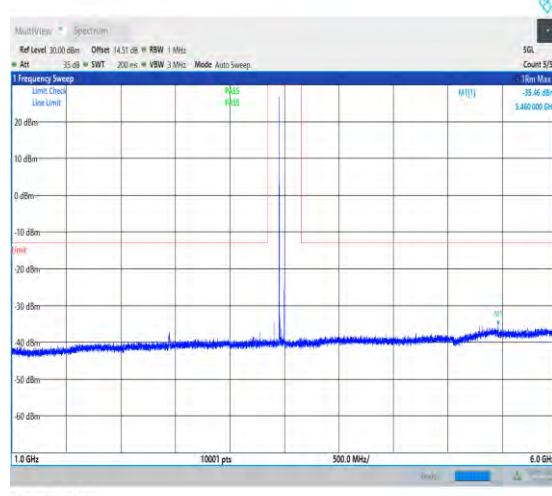
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17:42:23 14.09.2022

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17:42:30 14.09.2022

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ner_1RB_Left-1@1-1000-6000-Ant1-5460.00--35.46-
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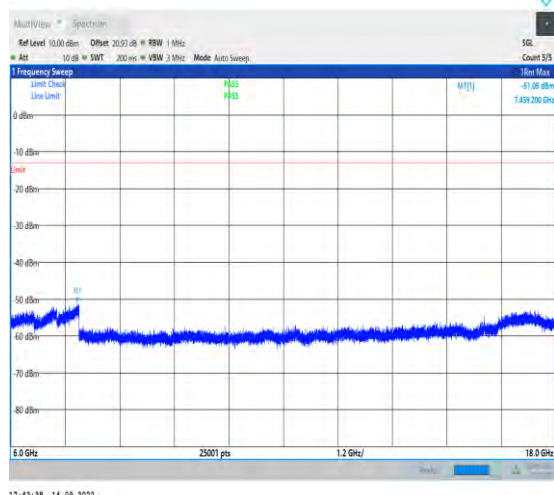
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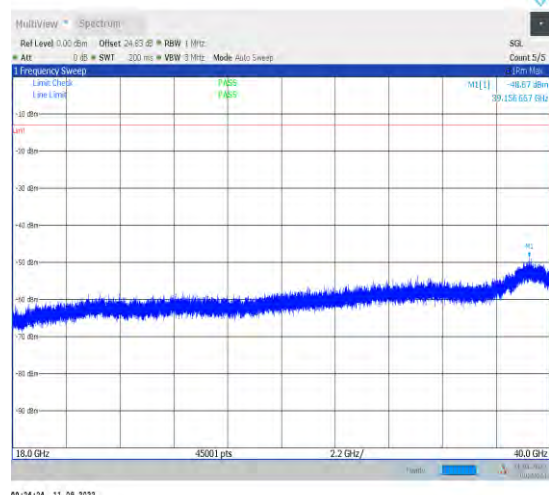
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1-N78-3450-3550-PC2-30-100-H-1-DFT-PI2BPSK-I
nner_1RB_Left-1@1-6000-18000-Ant1-7459.20--51.
09--13-PASS



1-N78-3450-3550-PC2-30-100-H-1-DFT-PI2BPSK-In
ner_1RB_Left-1@1-18000-40000-Ant1-18000.00--54
.63--13-PASS



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Field Strength of Spurious Radiation

Test Band = NR SA Band n78 3450M-3550M_ TM1
Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6810.18	49.27	-42.41	35.82	-52.58	-13.00	39.58	263	258	Horizontal
2	8236.5	50.12	-40.24	37.76	-47.62	-13.00	34.62	251	278	Horizontal
3	10215.27	43.47	-36.64	38.74	-49.69	-13.00	36.69	142	70	Horizontal
4	13620.36	43.64	-34.51	39.97	-46.16	-13.00	33.16	284	309	Horizontal
5	15045.4583	43.84	-34.19	39.14	-46.47	-13.00	33.47	156	360	Horizontal
6	17025.45	41.77	-31.93	38.71	-46.71	-13.00	33.71	254	181	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	6810.18	48.92	-42.41	35.82	-52.93	-13.00	39.93	201	261	Vertical
2	8754.9583	49.34	-39.09	38.33	-46.67	-13.00	33.67	142	92	Vertical
3	10215.27	44.01	-36.64	38.74	-49.15	-13.00	36.15	263	231	Vertical
4	13620.36	44.95	-34.51	39.97	-44.85	-13.00	31.85	265	33	Vertical
5	15846.625	44.37	-33.67	38.10	-46.46	-13.00	33.46	299	200	Vertical
6	17025.45	41.37	-31.93	38.71	-47.11	-13.00	34.11	247	251	Vertical



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Test Band = NR SA Band n78 3450M-3550M_ TM1
Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6910.18	48.57	-42.17	36.02	-52.84	-13.00	39.84	263	359	Horizontal
2	8365.875	50.41	-39.91	37.90	-46.86	-13.00	33.86	265	143	Horizontal
3	10365.27	43.74	-36.63	38.90	-49.25	-13.00	36.25	241	3	Horizontal
4	13820.36	43.59	-35.13	40.09	-46.71	-13.00	33.71	172	253	Horizontal
5	16183.9583	44.07	-32.20	38.03	-45.37	-13.00	32.37	263	93	Horizontal
6	17275.45	39.64	-31.82	39.70	-47.74	-13.00	34.74	201	123	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	6910.18	49.01	-42.17	36.02	-52.40	-13.00	39.40	142	112	Vertical
2	8657.2083	49.00	-39.42	38.22	-47.45	-13.00	34.45	265	360	Vertical
3	10365.27	43.53	-36.63	38.90	-49.46	-13.00	36.46	284	360	Vertical
4	13820.36	42.47	-35.13	40.09	-47.83	-13.00	34.83	102	270	Vertical
5	15190.1667	43.45	-33.58	38.95	-46.44	-13.00	33.44	163	222	Vertical
6	17275.45	39.11	-31.82	39.70	-48.27	-13.00	35.27	297	131	Vertical



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Test Band = NR SA Band n78 3450M-3550M_ TM1
Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7010.18	48.89	-42.41	36.21	-52.57	-13.00	39.57	142	290	Horizontal
2	9411.4167	48.53	-37.70	38.56	-45.87	-13.00	32.87	268	354	Horizontal
3	10515.27	43.58	-36.40	39.07	-49.01	-13.00	36.01	241	140	Horizontal
4	14020.36	42.12	-35.19	40.18	-48.15	-13.00	35.15	122	51	Horizontal
5	17525.45	39.07	-31.88	40.70	-47.37	-13.00	34.37	263	62	Horizontal
6	17819.8333	42.34	-30.94	41.88	-41.98	-13.00	28.98	204	140	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	7010.18	48.88	-42.41	36.21	-52.58	-13.00	39.58	265	360	Vertical
2	8705.125	48.92	-39.23	38.28	-47.30	-13.00	34.30	241	311	Vertical
3	10515.27	42.12	-36.40	39.07	-50.47	-13.00	37.47	178	241	Vertical
4	12462.75	44.92	-35.28	39.06	-46.56	-13.00	33.56	269	23	Vertical
5	14020.36	42.03	-35.19	40.18	-48.24	-13.00	35.24	211	360	Vertical
6	17525.45	39.68	-31.88	40.70	-46.76	-13.00	33.76	163	354	Vertical



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Test Band = DC_2A_n78A 3450M-3550M_ TM1
Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6810.18	48.11	-42.41	35.82	-53.74	-13.00	40.74	263	318	Horizontal
2	8786.5833	47.00	-38.99	38.37	-48.89	-13.00	35.89	254	348	Horizontal
3	10215.27	40.36	-36.64	38.74	-52.80	-13.00	39.80	174	327	Horizontal
4	13620.36	39.89	-34.51	39.97	-49.91	-13.00	36.91	185	66	Horizontal
5	15251.5	42.20	-33.72	38.87	-47.90	-13.00	34.90	263	178	Horizontal
6	17025.45	40.22	-31.93	38.71	-48.26	-13.00	35.26	296	1	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	6810.18	49.65	-42.41	35.82	-52.20	-13.00	39.20	298	0	Vertical
2	8252.7917	49.20	-40.26	37.78	-48.55	-13.00	35.55	241	45	Vertical
3	10215.27	39.84	-36.64	38.74	-53.32	-13.00	40.32	175	278	Vertical
4	13620.36	41.18	-34.51	39.97	-48.62	-13.00	35.62	265	357	Vertical
5	14574.9167	41.70	-34.32	39.63	-48.26	-13.00	35.26	241	23	Vertical
6	17025.45	40.73	-31.93	38.71	-47.75	-13.00	34.75	108	135	Vertical



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Test Band = DC_2A_n78A 3450M-3550M_TM1
Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6910.18	45.51	-42.17	36.02	-55.90	-13.00	42.90	241	74	Horizontal
2	8789.4583	46.83	-38.98	38.37	-49.04	-13.00	36.04	174	44	Horizontal
3	10365.27	40.81	-36.63	38.90	-52.18	-13.00	39.18	152	24	Horizontal
4	13820.36	40.13	-35.13	40.09	-50.17	-13.00	37.17	263	3	Horizontal
5	16390	41.84	-32.26	38.17	-47.51	-13.00	34.51	299	257	Horizontal
6	17275.45	38.47	-31.82	39.70	-48.91	-13.00	35.91	224	44	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	6910.18	46.40	-42.17	36.02	-55.01	-13.00	42.01	269	0	Vertical
2	9285.875	46.87	-38.37	38.57	-48.18	-13.00	35.18	254	125	Vertical
3	10365.27	41.40	-36.63	38.90	-51.59	-13.00	38.59	174	125	Vertical
4	13820.36	40.63	-35.13	40.09	-49.67	-13.00	36.67	185	278	Vertical
5	15049.2917	42.19	-34.17	39.14	-48.10	-13.00	35.10	263	328	Vertical
6	17275.45	39.01	-31.82	39.70	-48.37	-13.00	35.37	297	237	Vertical



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Test Band = DC_2A_n78A 3450M-3550M_TM1

Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7010.18	46.70	-42.41	36.21	-54.76	-13.00	41.76	254	156	Horizontal
2	9273.4167	47.90	-38.34	38.57	-47.13	-13.00	34.13	142	7	Horizontal
3	10515.27	40.36	-36.40	39.07	-52.23	-13.00	39.23	269	0	Horizontal
4	12672.625	43.36	-35.14	39.27	-47.77	-13.00	34.77	285	0	Horizontal
5	14020.36	38.46	-35.19	40.18	-51.81	-13.00	38.81	241	218	Horizontal
6	17525.45	38.78	-31.88	40.70	-47.66	-13.00	34.66	175	298	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	7010.18	46.06	-42.41	36.21	-55.40	-13.00	42.40	268	356	Vertical
2	9241.7917	47.27	-38.29	38.58	-47.71	-13.00	34.71	241	338	Vertical
3	10515.27	40.35	-36.40	39.07	-52.24	-13.00	39.24	174	74	Vertical
4	12094.75	42.98	-35.10	38.69	-48.69	-13.00	35.69	142	265	Vertical
5	14020.36	38.80	-35.19	40.18	-51.47	-13.00	38.47	263	316	Vertical
6	17525.45	38.87	-31.88	40.70	-47.57	-13.00	34.57	225	226	Vertical



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Test Band = DC_5A_n78A 3450M-3550M_ TM1
Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6810.18	48.14	-42.41	35.82	-53.71	-13.00	40.71	214	216	Horizontal
2	8269.0833	49.44	-40.29	37.80	-48.31	-13.00	35.31	142	0	Horizontal
3	10215.27	39.95	-36.64	38.74	-53.21	-13.00	40.21	263	7	Horizontal
4	12641.9583	43.24	-34.88	39.24	-47.65	-13.00	34.65	251	153	Horizontal
5	13620.36	40.66	-34.51	39.97	-49.14	-13.00	36.14	102	93	Horizontal
6	17025.45	40.24	-31.93	38.71	-48.24	-13.00	35.24	189	307	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	6810.18	48.19	-42.41	35.82	-53.66	-13.00	40.66	265	15	Vertical
2	9257.125	47.43	-38.32	38.57	-47.57	-13.00	34.57	295	176	Vertical
3	10215.27	41.14	-36.64	38.74	-52.02	-13.00	39.02	241	279	Vertical
4	13620.36	40.90	-34.51	39.97	-48.90	-13.00	35.90	175	126	Vertical
5	15779.5417	43.92	-33.71	38.19	-46.86	-13.00	33.86	263	357	Vertical
6	17025.45	40.94	-31.93	38.71	-47.54	-13.00	34.54	287	3	Vertical



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Test Band = DC_5A_n78A 3450M-3550M_TM1
Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6910.18	47.05	-42.17	36.02	-54.36	-13.00	41.36	241	125	Horizontal
2	8703.2083	46.98	-39.24	38.27	-49.25	-13.00	36.25	142	337	Horizontal
3	10365.27	40.38	-36.63	38.90	-52.61	-13.00	39.61	263	186	Horizontal
4	12664	44.34	-35.07	39.26	-46.72	-13.00	33.72	211	246	Horizontal
5	13820.36	39.99	-35.13	40.09	-50.31	-13.00	37.31	142	144	Horizontal
6	17275.45	38.33	-31.82	39.70	-49.05	-13.00	36.05	285	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	6910.18	46.64	-42.17	36.02	-54.77	-13.00	41.77	263	157	Vertical
2	9168.9583	46.56	-38.37	38.58	-48.49	-13.00	35.49	268	0	Vertical
3	10365.27	41.75	-36.63	38.90	-51.24	-13.00	38.24	241	258	Vertical
4	11735.375	43.82	-35.05	38.86	-47.62	-13.00	34.62	142	177	Vertical
5	13820.36	40.09	-35.13	40.09	-50.21	-13.00	37.21	263	43	Vertical
6	17275.45	38.37	-31.82	39.70	-49.01	-13.00	36.01	201	157	Vertical



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Test Band = DC_5A_n78A 3450M-3550M_TM1
Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7010.18	46.67	-42.41	36.21	-54.79	-13.00	41.79	263	126	Horizontal
2	8669.6667	47.39	-39.37	38.24	-49.00	-13.00	36.00	241	266	Horizontal
3	10515.27	40.31	-36.40	39.07	-52.28	-13.00	39.28	174	196	Horizontal
4	12584.4583	42.23	-34.63	39.18	-48.48	-13.00	35.48	142	186	Horizontal
5	14020.36	38.17	-35.19	40.18	-52.10	-13.00	39.10	263	205	Horizontal
6	17525.45	38.81	-31.88	40.70	-47.63	-13.00	34.63	211	186	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	7010.18	47.39	-42.41	36.21	-54.07	-13.00	41.07	201	122	Vertical
2	8675.4167	48.64	-39.35	38.24	-47.72	-13.00	34.72	142	111	Vertical
3	10515.27	40.57	-36.40	39.07	-52.02	-13.00	39.02	263	357	Vertical
4	13085.6667	43.26	-34.66	39.65	-47.00	-13.00	34.00	265	91	Vertical
5	14020.36	37.63	-35.19	40.18	-52.64	-13.00	39.64	241	192	Vertical
6	17525.45	39.37	-31.88	40.70	-47.07	-13.00	34.07	175	318	Vertical



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Test Band = DC_7A_n78A 3450M-3550M_ TM1
Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6810.18	48.72	-42.41	35.82	-53.13	-13.00	40.13	201	36	Horizontal
2	9251.375	47.07	-38.31	38.57	-47.92	-13.00	34.92	142	96	Horizontal
3	10215.27	40.30	-36.64	38.74	-52.86	-13.00	39.86	263	96	Horizontal
4	11951	42.66	-35.14	38.65	-49.10	-13.00	36.10	265	357	Horizontal
5	13620.36	40.89	-34.51	39.97	-48.91	-13.00	35.91	296	309	Horizontal
6	17025.45	40.74	-31.93	38.71	-47.74	-13.00	34.74	284	357	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	6810.18	48.70	-42.41	35.82	-53.15	-13.00	40.15	201	124	Vertical
2	7769.7917	49.38	-41.00	37.04	-49.84	-13.00	36.84	142	124	Vertical
3	10215.27	40.93	-36.64	38.74	-52.23	-13.00	39.23	263	357	Vertical
4	11238	43.08	-35.12	39.36	-47.94	-13.00	34.94	265	154	Vertical
5	13620.36	41.28	-34.51	39.97	-48.52	-13.00	35.52	284	357	Vertical
6	17025.45	39.23	-31.93	38.71	-49.25	-13.00	36.25	177	307	Vertical



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Test Band = DC_7A_n78A 3450M-3550M_TM1
Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6910.18	46.95	-42.17	36.02	-54.46	-13.00	41.46	201	255	Horizontal
2	8700.3333	47.08	-39.25	38.27	-49.16	-13.00	36.16	142	286	Horizontal
3	10365.27	41.02	-36.63	38.90	-51.97	-13.00	38.97	263	194	Horizontal
4	12762.7083	42.71	-35.12	39.36	-48.31	-13.00	35.31	265	348	Horizontal
5	13820.36	39.54	-35.13	40.09	-50.76	-13.00	37.76	241	0	Horizontal
6	17275.45	39.01	-31.82	39.70	-48.37	-13.00	35.37	188	14	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	6910.18	46.86	-42.17	36.02	-54.55	-13.00	41.55	203	64	Vertical
2	8684.0417	47.87	-39.31	38.25	-48.45	-13.00	35.45	265	357	Vertical
3	10365.27	41.62	-36.63	38.90	-51.37	-13.00	38.37	295	94	Vertical
4	13820.36	40.12	-35.13	40.09	-50.18	-13.00	37.18	241	318	Vertical
5	15261.0833	42.80	-33.75	38.86	-47.35	-13.00	34.35	175	125	Vertical
6	17275.45	38.35	-31.82	39.70	-49.03	-13.00	36.03	288	357	Vertical



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Test Band = DC_7A_n78A 3450M-3550M_TM1
Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7010.18	47.49	-42.41	36.21	-53.97	-13.00	40.97	201	356	Horizontal
2	9294.5	47.11	-38.38	38.57	-47.96	-13.00	34.96	142	316	Horizontal
3	10515.27	41.05	-36.40	39.07	-51.54	-13.00	38.54	263	185	Horizontal
4	14020.36	39.33	-35.19	40.18	-50.94	-13.00	37.94	269	224	Horizontal
5	16354.5417	43.03	-32.53	38.15	-46.61	-13.00	33.61	255	347	Horizontal
6	17525.45	40.31	-31.88	40.70	-46.13	-13.00	33.13	284	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	7010.18	47.89	-42.41	36.21	-53.57	-13.00	40.57	201	1	Vertical
2	9149.7917	46.20	-38.46	38.59	-48.94	-13.00	35.94	142	347	Vertical
3	10515.27	40.22	-36.40	39.07	-52.37	-13.00	39.37	263	0	Vertical
4	12672.625	43.60	-35.14	39.27	-47.53	-13.00	34.53	265	0	Vertical
5	14020.36	38.29	-35.19	40.18	-51.98	-13.00	38.98	284	287	Vertical
6	17525.45	39.22	-31.88	40.70	-47.22	-13.00	34.22	142	216	Vertical



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Report No.: SEWA2204000009RG02

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Test Band = DC_12A_n78A 3450M-3550M_ TM1
Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6810.18	48.49	-42.41	35.82	-53.36	-13.00	40.36	263	326	Horizontal
2	9281.0833	47.55	-38.36	38.57	-47.50	-13.00	34.50	254	234	Horizontal
3	10215.27	41.12	-36.64	38.74	-52.04	-13.00	39.04	142	264	Horizontal
4	13620.36	40.58	-34.51	39.97	-49.22	-13.00	36.22	211	41	Horizontal
5	16465.7083	42.67	-32.68	38.23	-47.05	-13.00	34.05	142	3	Horizontal
6	17025.45	39.49	-31.93	38.71	-48.99	-13.00	35.99	286	359	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	6810.18	48.29	-42.41	35.82	-53.56	-13.00	40.56	263	316	Vertical
2	9245.625	48.18	-38.30	38.58	-46.80	-13.00	33.80	265	360	Vertical
3	10215.27	40.60	-36.64	38.74	-52.56	-13.00	39.56	241	316	Vertical
4	13620.36	41.81	-34.51	39.97	-47.99	-13.00	34.99	175	344	Vertical
5	15509.2917	41.83	-33.28	38.54	-48.17	-13.00	35.17	201	43	Vertical
6	17025.45	40.42	-31.93	38.71	-48.06	-13.00	35.06	189	216	Vertical



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Test Band = DC_12A_n78A 3450M-3550M_ TM1
Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6910.18	47.67	-42.17	36.02	-53.74	-13.00	40.74	263	357	Horizontal
2	8691.7083	47.98	-39.28	38.26	-48.30	-13.00	35.30	254	352	Horizontal
3	10365.27	41.11	-36.63	38.90	-51.88	-13.00	38.88	142	352	Horizontal
4	12668.7917	43.52	-35.11	39.27	-47.58	-13.00	34.58	284	144	Horizontal
5	13820.36	40.30	-35.13	40.09	-50.00	-13.00	37.00	142	265	Horizontal
6	17275.45	38.65	-31.82	39.70	-48.73	-13.00	35.73	204	315	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	6910.18	46.41	-42.17	36.02	-55.00	-13.00	42.00	251	62	Vertical
2	8654.3333	48.20	-39.43	38.22	-48.27	-13.00	35.27	142	344	Vertical
3	10365.27	41.91	-36.63	38.90	-51.08	-13.00	38.08	265	183	Vertical
4	11907.875	43.21	-34.95	38.69	-48.31	-13.00	35.31	295	164	Vertical
5	13820.36	40.55	-35.13	40.09	-49.75	-13.00	36.75	241	3	Vertical
6	17275.45	38.92	-31.82	39.70	-48.46	-13.00	35.46	102	173	Vertical



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Test Band = DC_12A_n78A 3450M-3550M_ TM1
Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7010.18	47.40	-42.41	36.21	-54.06	-13.00	41.06	241	360	Horizontal
2	8352.4583	47.58	-40.00	37.89	-49.79	-13.00	36.79	163	92	Horizontal
3	10515.27	40.93	-36.40	39.07	-51.66	-13.00	38.66	254	263	Horizontal
4	13120.1667	41.98	-34.64	39.67	-48.25	-13.00	35.25	142	3	Horizontal
5	14020.36	38.48	-35.19	40.18	-51.79	-13.00	38.79	287	263	Horizontal
6	17525.45	38.88	-31.88	40.70	-47.56	-13.00	34.56	142	134	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	7010.18	46.78	-42.41	36.21	-54.68	-13.00	41.68	142	93	Vertical
2	9291.625	46.48	-38.38	38.57	-48.58	-13.00	35.58	265	275	Vertical
3	10515.27	40.34	-36.40	39.07	-52.25	-13.00	39.25	241	255	Vertical
4	12781.875	42.45	-35.04	39.38	-48.47	-13.00	35.47	175	62	Vertical
5	14020.36	38.46	-35.19	40.18	-51.81	-13.00	38.81	269	264	Vertical
6	17525.45	38.18	-31.88	40.70	-48.26	-13.00	35.26	204	174	Vertical



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Test Band = DC_66A_n78A 3450M-3550M_ TM1
Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6810.18	48.68	-42.41	35.82	-53.17	-13.00	40.17	254	0	Horizontal
2	9387.4583	45.85	-37.74	38.56	-48.59	-13.00	35.59	142	77	Horizontal
3	10215.27	39.61	-36.64	38.74	-53.55	-13.00	40.55	263	218	Horizontal
4	13620.36	39.87	-34.51	39.97	-49.93	-13.00	36.93	296	9	Horizontal
5	16006.6667	42.05	-32.50	37.90	-47.81	-13.00	34.81	241	0	Horizontal
6	17025.45	40.17	-31.93	38.71	-48.31	-13.00	35.31	102	66	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	6810.18	47.15	-42.41	35.82	-54.70	-13.00	41.70	263	15	Vertical
2	9283	47.54	-38.36	38.57	-47.51	-13.00	34.51	265	0	Vertical
3	10215.27	40.24	-36.64	38.74	-52.92	-13.00	39.92	211	3	Vertical
4	13620.36	40.01	-34.51	39.97	-49.79	-13.00	36.79	142	43	Vertical
5	15257.25	42.33	-33.73	38.87	-47.80	-13.00	34.80	253	34	Vertical
6	17025.45	40.02	-31.93	38.71	-48.46	-13.00	35.46	204	166	Vertical



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Test Band = DC_66A_n78A 3450M-3550M_ TM1
Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6910.18	46.31	-42.17	36.02	-55.10	-13.00	42.10	241	357	Horizontal
2	8748.25	47.01	-39.11	38.32	-49.03	-13.00	36.03	142	84	Horizontal
3	10365.27	42.24	-36.63	38.90	-50.75	-13.00	37.75	263	0	Horizontal
4	12623.75	42.33	-34.72	39.22	-48.42	-13.00	35.42	265	185	Horizontal
5	13820.36	40.06	-35.13	40.09	-50.24	-13.00	37.24	295	74	Horizontal
6	17275.45	38.63	-31.82	39.70	-48.75	-13.00	35.75	241	185	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	6910.18	46.98	-42.17	36.02	-54.43	-13.00	41.43	265	0	Vertical
2	8686.9167	47.51	-39.30	38.26	-48.80	-13.00	35.80	241	316	Vertical
3	10365.27	42.42	-36.63	38.90	-50.57	-13.00	37.57	175	0	Vertical
4	13820.36	40.07	-35.13	40.09	-50.23	-13.00	37.23	265	328	Vertical
5	15207.4167	41.69	-33.57	38.93	-48.20	-13.00	35.20	201	307	Vertical
6	17275.45	38.66	-31.82	39.70	-48.72	-13.00	35.72	141	0	Vertical



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Test Band = DC_66A_n78A 3450M-3550M_ TM1
Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7010.18	47.32	-42.41	36.21	-54.14	-13.00	41.14	241	15	Horizontal
2	9274.375	46.91	-38.35	38.57	-48.12	-13.00	35.12	174	43	Horizontal
3	10515.27	41.94	-36.40	39.07	-50.65	-13.00	37.65	163	116	Horizontal
4	14020.36	37.26	-35.19	40.18	-53.01	-13.00	40.01	255	177	Horizontal
5	16953.5	42.08	-31.85	38.57	-46.47	-13.00	33.47	241	196	Horizontal
6	17525.45	37.38	-31.88	40.70	-49.06	-13.00	36.06	142	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	7010.18	46.38	-42.41	36.21	-55.08	-13.00	42.08	265	205	Vertical
2	8819.1667	46.38	-38.95	38.40	-49.43	-13.00	36.43	241	2	Vertical
3	10515.27	39.83	-36.40	39.07	-52.76	-13.00	39.76	174	0	Vertical
4	14020.36	38.74	-35.19	40.18	-51.53	-13.00	38.53	142	0	Vertical
5	16466.6667	42.38	-32.69	38.23	-47.34	-13.00	34.34	296	115	Vertical
6	17525.45	38.82	-31.88	40.70	-47.62	-13.00	34.62	225	6	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
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

Temperature										
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

---End of Attachment---



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