

Report No.: SEWM2210000205RG02

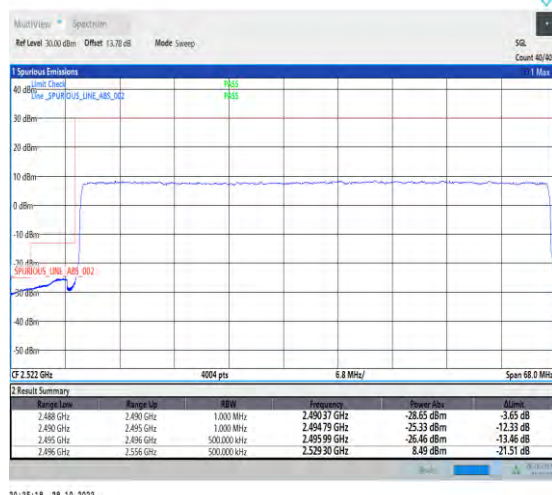
Rev.: 01

Page: 158 of 191



10:13:32 30.10.2022

1-N41-PC2-30-60-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



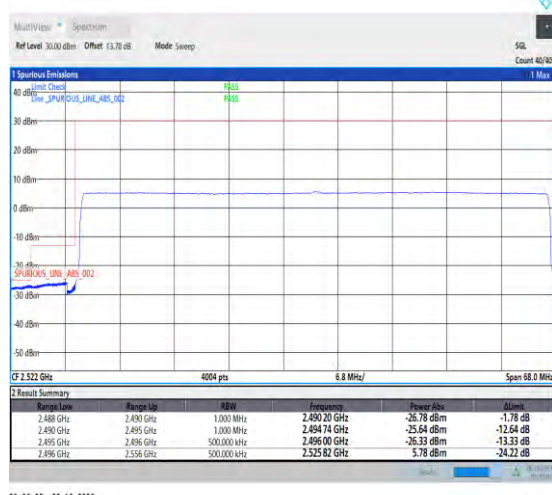
20:25:18 28.10.2022

1-N41-PC2-30-60-L-3-DFT-PI2BPSK-Outer_Full-162@0-Ant1-1--PASS-see graph



10:15:28 30.10.2022

1-N41-PC2-30-60-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



20:29:05 28.10.2022

1-N41-PC2-30-60-L-6-CP-QPSK-Outer_Full-162@0-Ant1-1--PASS-see graph



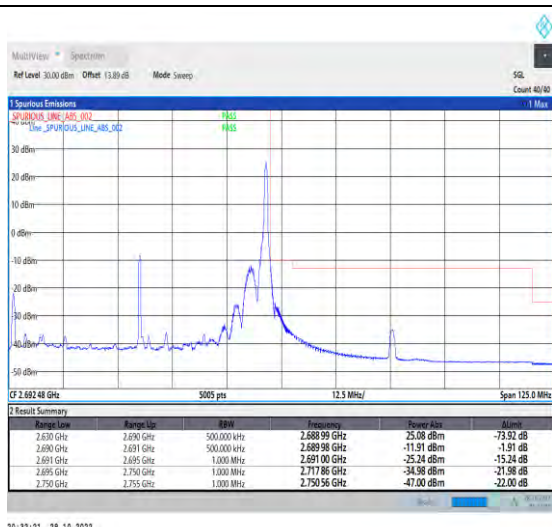
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Report No.: SEWM2210000205RG02

Rev.: 01

Page: 159 of 191



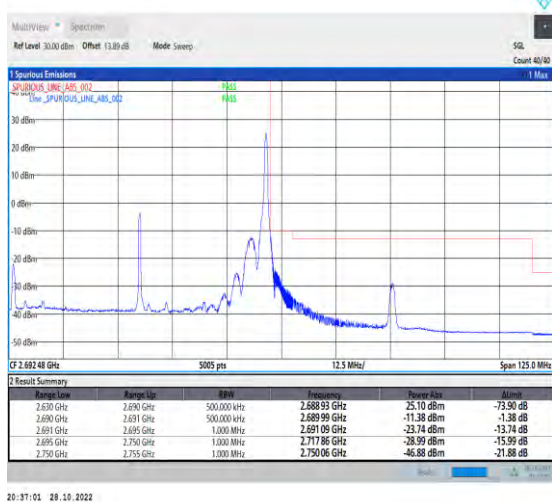
20:32:21 29.10.2022

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t-1@161-Ant1-1--PASS-see graph



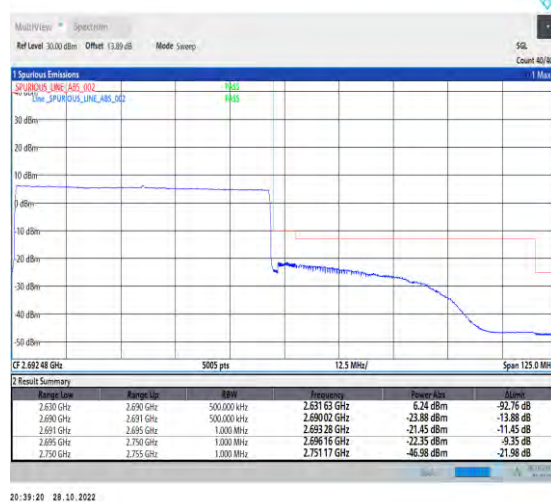
20:34:39 29.10.2022

1-N41-PC2-30-60-H-3-DFT-PI2BPSK-Outer_Full-1
62@0-Ant1-1--PASS-see graph



20:37:01 29.10.2022

1-N41-PC2-30-60-H-5-CP-QPSK-Edge_1RB_Right-1
@161-Ant1-1--PASS-see graph



20:39:20 29.10.2022

1-N41-PC2-30-60-H-6-CP-QPSK-Outer_Full-162
@0-Ant1-1--PASS-see graph



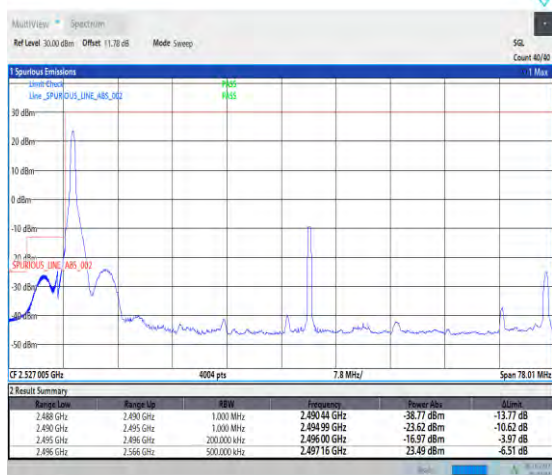
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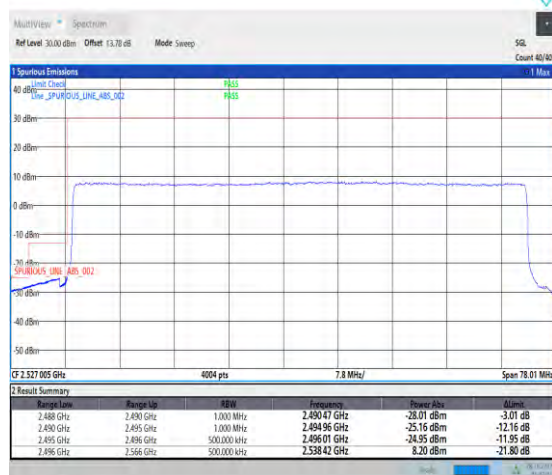
Rev.: 01

Page: 160 of 191



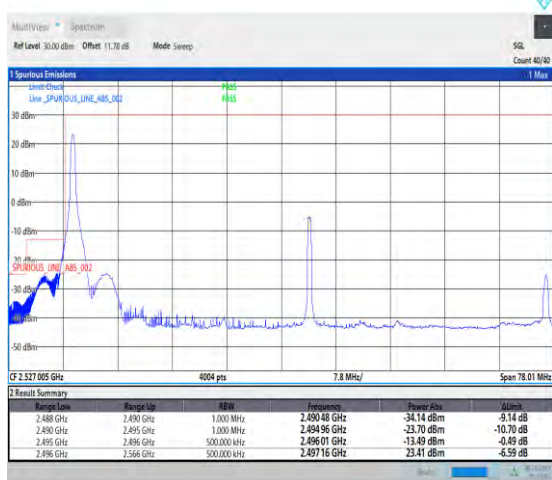
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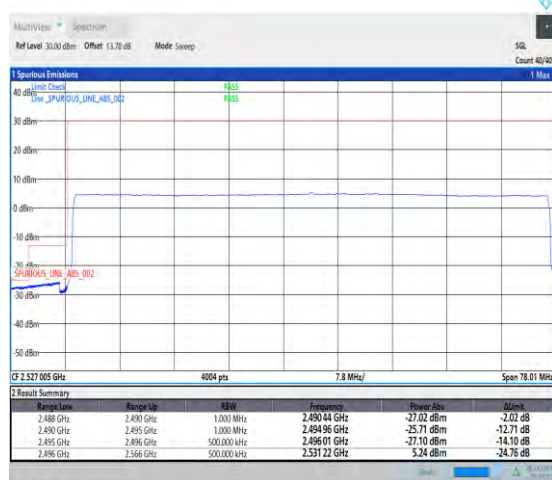
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1-N41-PC2-30-70-L-3-DFT-PI2BPSK-Outer_Full-180@0-Ant1-1--PASS-see graph



18:31:43 30.10.2022

1-N41-PC2-30-70-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



20:47:24 28.10.2022

1-N41-PC2-30-70-L-6-CP-QPSK-Outer_Full-189@0-Ant1-1--PASS-see graph



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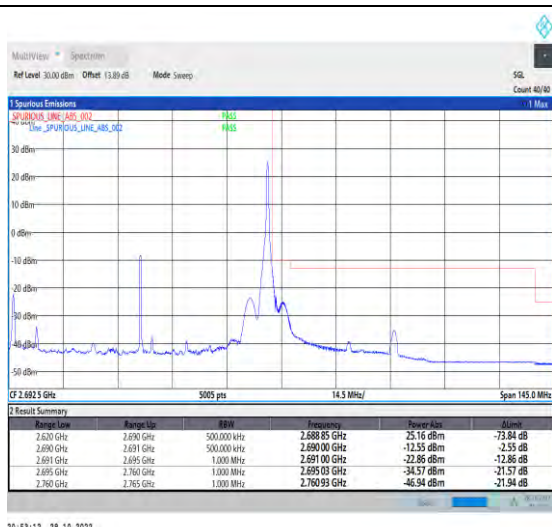
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Rev.: 01

Page: 161 of 191



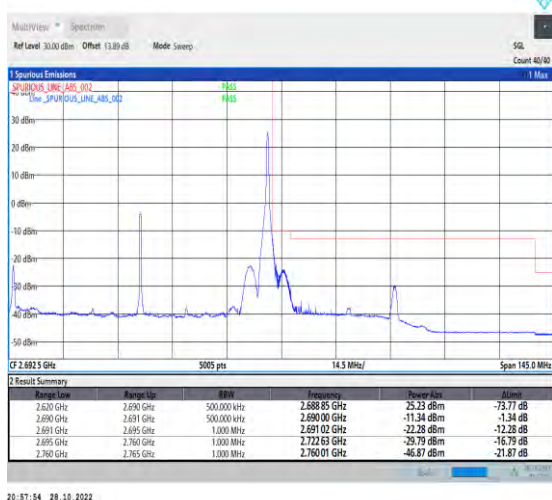
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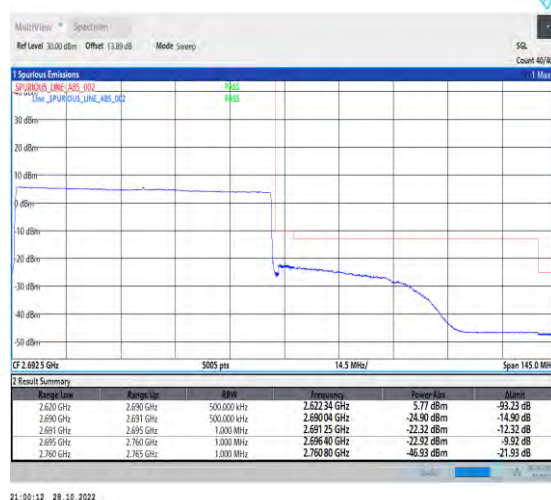
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80@0-Ant1-1--PASS-see graph



20:57:54 29.10.2022

1-N41-PC2-30-70-H-5-CP-QPSK-Edge_1RB_Right-1
@188-Ant1-1--PASS-see graph



21:00:12 29.10.2022

1-N41-PC2-30-70-H-6-CP-QPSK-Outer_Full-189
@0-Ant1-1--PASS-see graph



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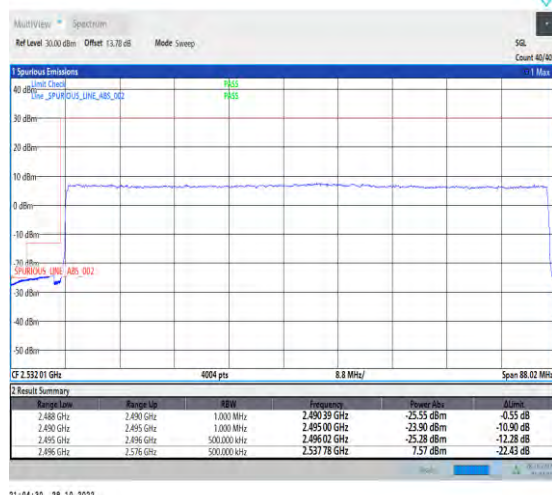
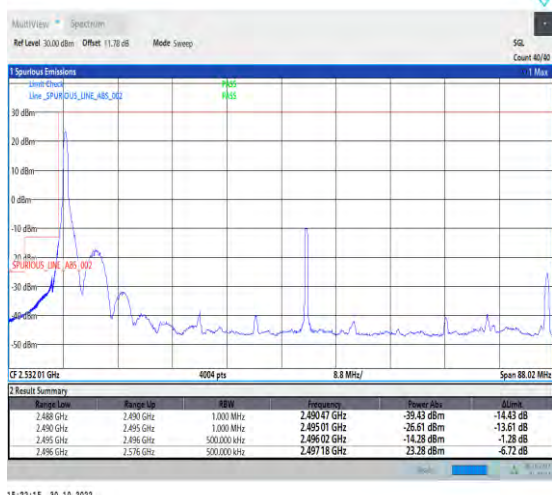
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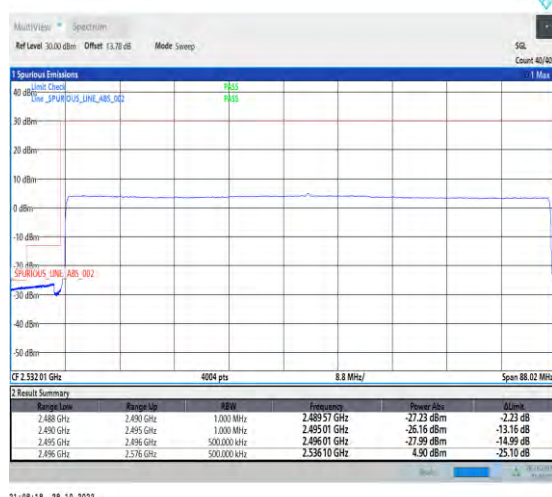
Rev.: 01

Page: 162 of 191



1-N41-PC2-30-80-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

1-N41-PC2-30-80-L-3-DFT-PI2BPSK-Outer_Full-216@0-Ant1-1--PASS-see graph



1-N41-PC2-30-80-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

1-N41-PC2-30-80-L-6-CP-QPSK-Outer_Full-217@0-Ant1-1--PASS-see graph



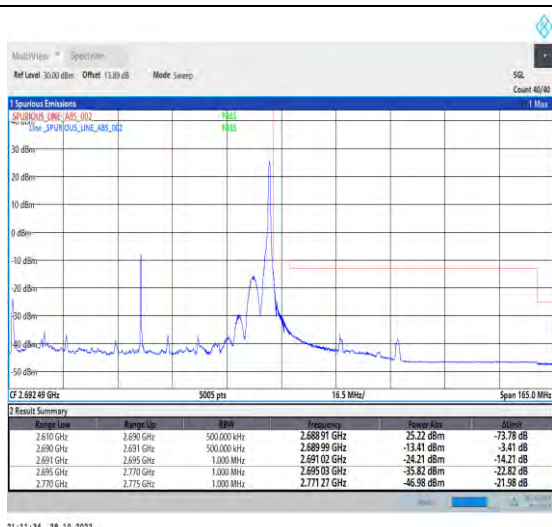
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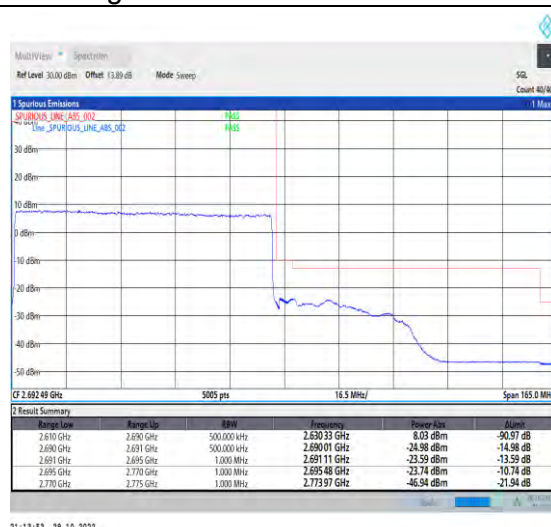
Rev.: 01

Page: 163 of 191



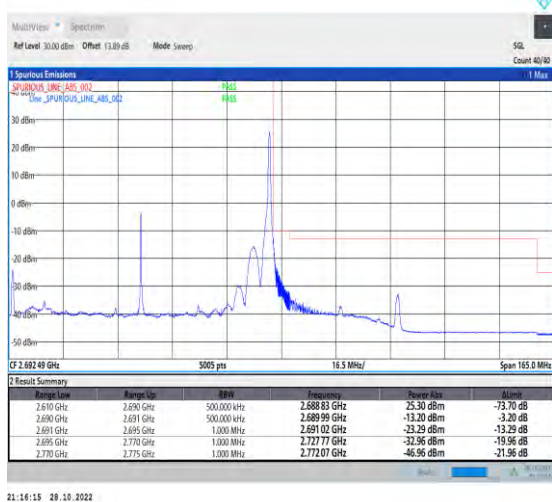
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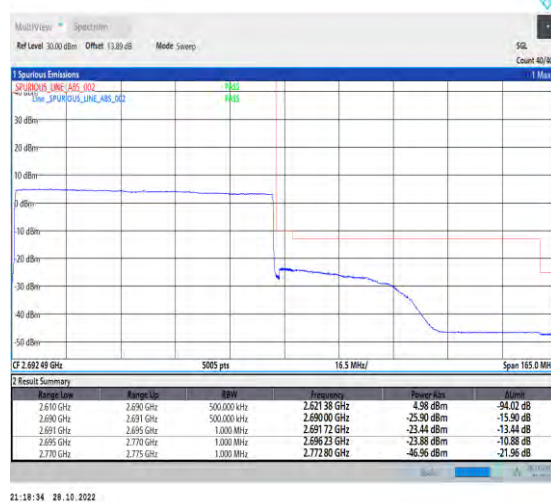
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16@0-Ant1-1--PASS-see graph



21:16:15 29.10.2022

1-N41-PC2-30-80-H-5-CP-QPSK-Edge_1RB_Right-1
@216-Ant1-1--PASS-see graph



21:18:34 29.10.2022

1-N41-PC2-30-80-H-6-CP-QPSK-Outer_Full-217
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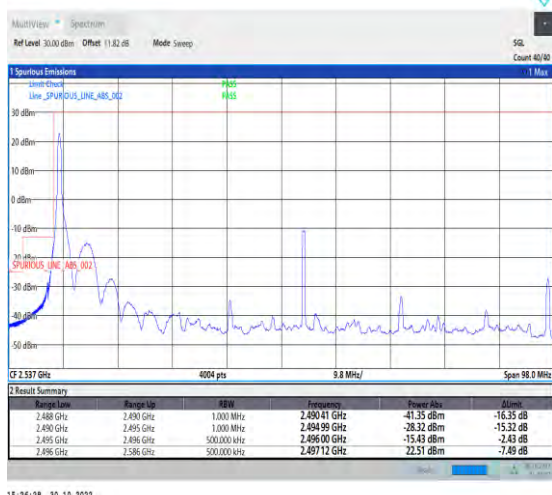
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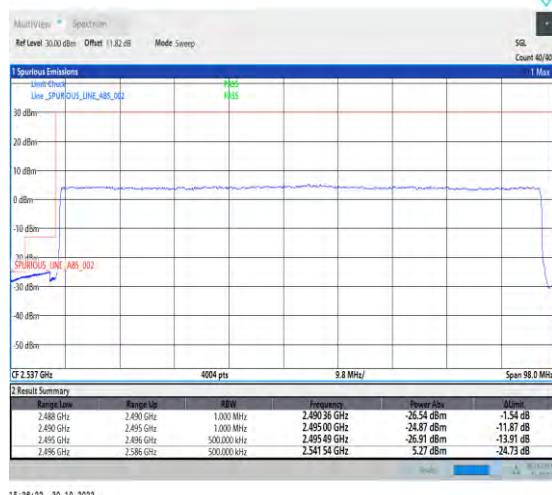
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Page: 164 of 191



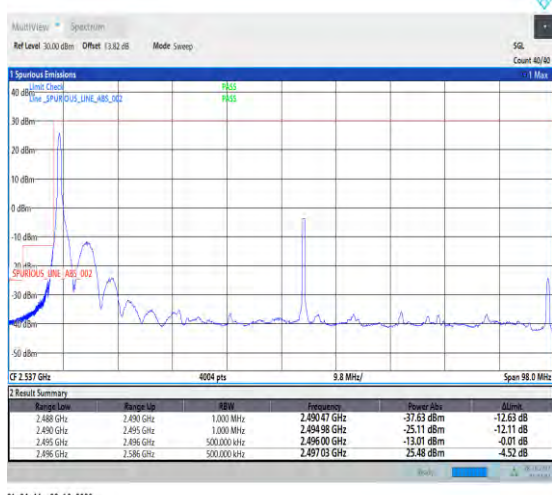
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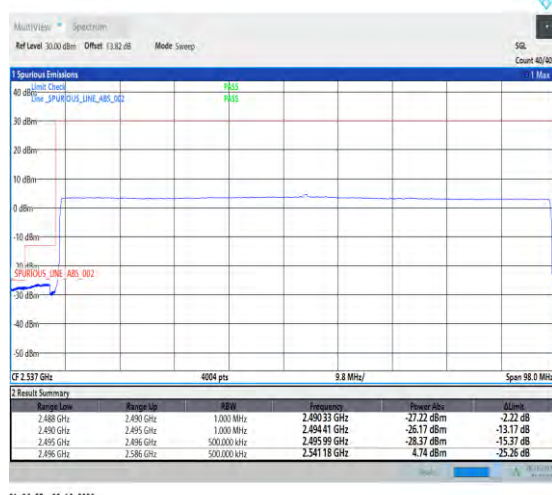
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21:24:44 29.10.2022

1-N41-PC2-30-90-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



21:26:37 29.10.2022

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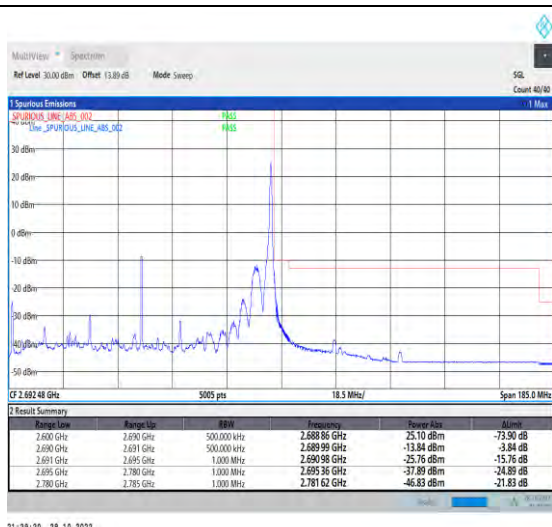
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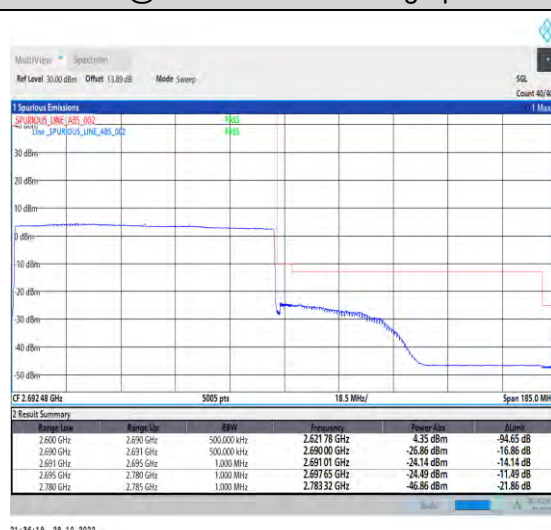
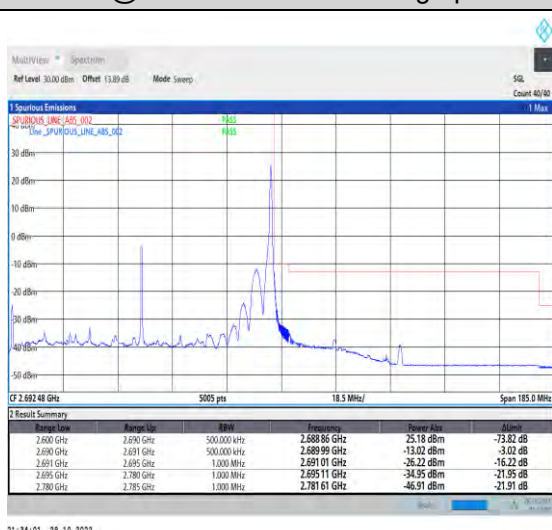
Rev.: 01

Page: 165 of 191



1-N41-PC2-30-90-H-2-DFT-PI2BPSK-Edge_1RB_Righ
t-1@244-Ant1-1--PASS-see graph

1-N41-PC2-30-90-H-3-DFT-PI2BPSK-Outer_Full-2
40@0-Ant1-1--PASS-see graph



1-N41-PC2-30-90-H-5-CP-QPSK-Edge_1RB_Right-1
@244-Ant1-1--PASS-see graph

1-N41-PC2-30-90-H-6-CP-QPSK-Outer_Full-245
@0-Ant1-1--PASS-see graph



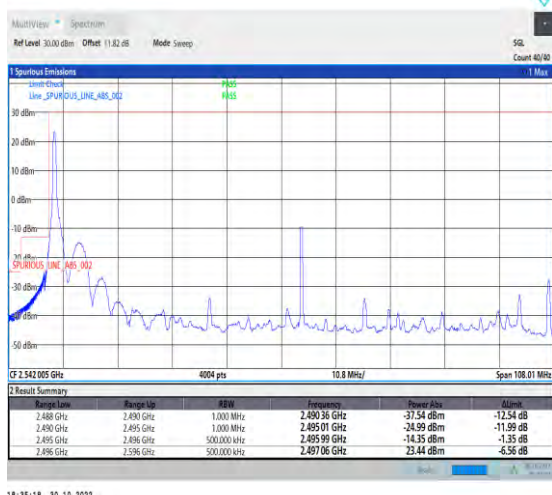
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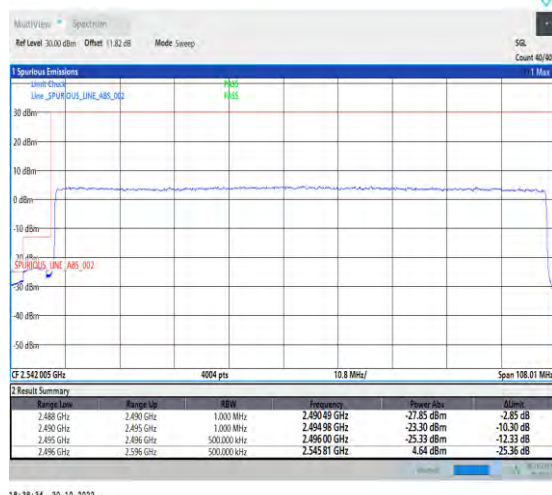
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Page: 166 of 191



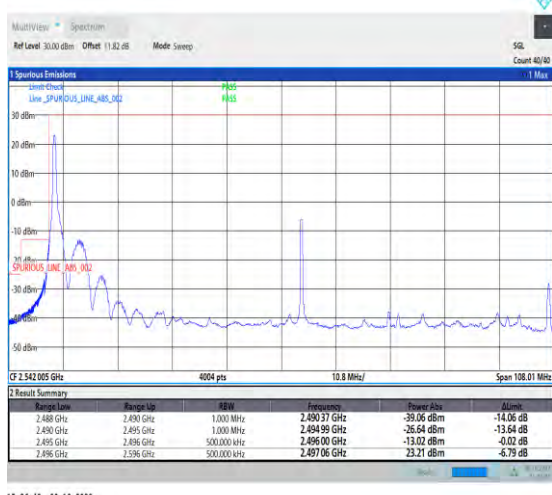
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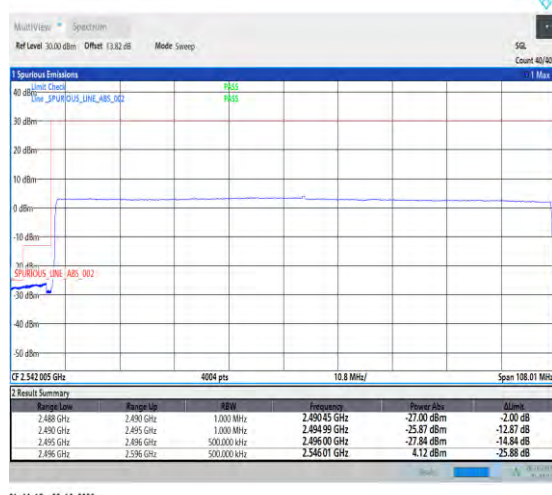
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19:36:42 30.10.2022

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21:44:13 29.10.2022

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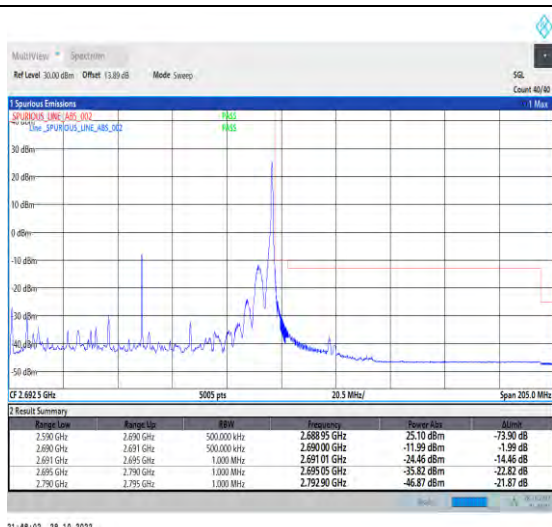
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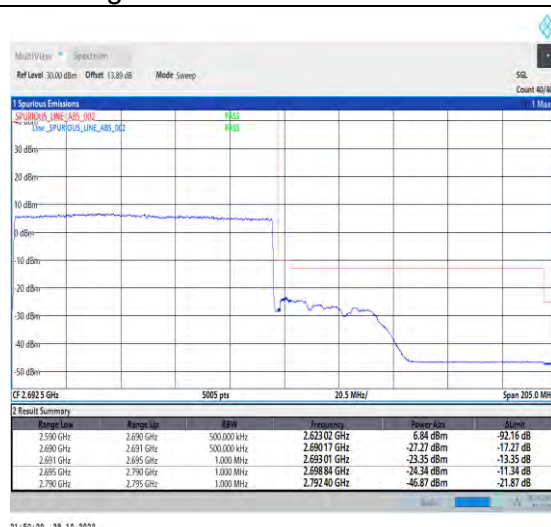
Rev.: 01

Page: 167 of 191



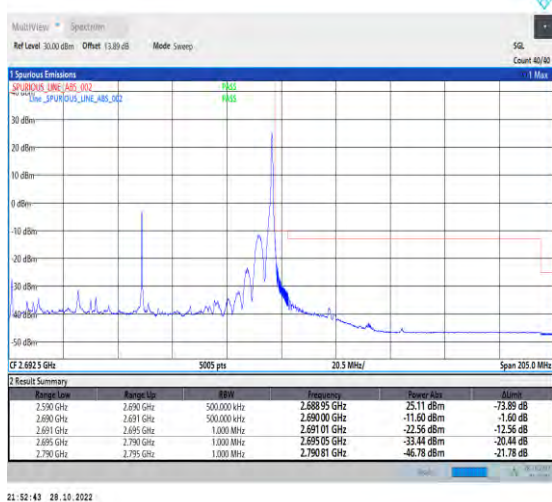
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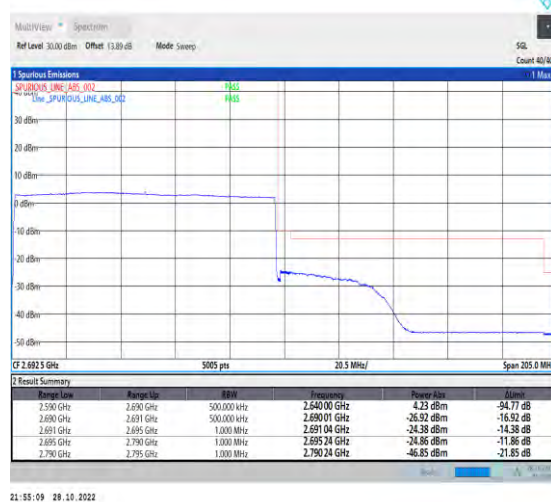
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21:52:43 29.10.2022

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21:55:09 29.10.2022

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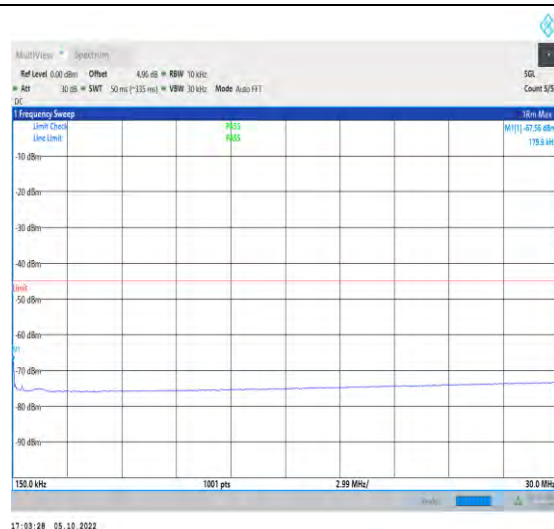
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Rev.: 01
Page: 168 of 191

Conducted Spurious Emission for SA

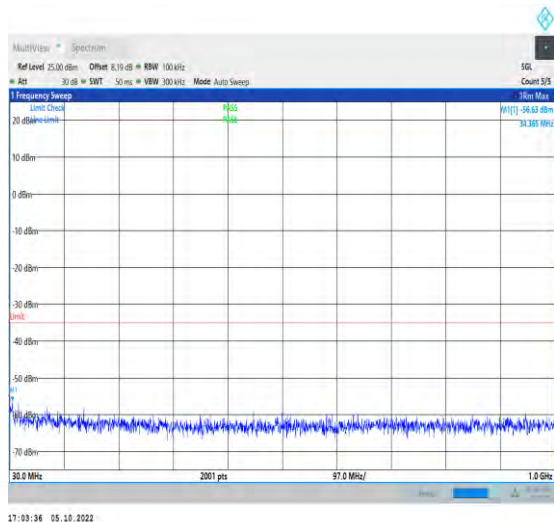
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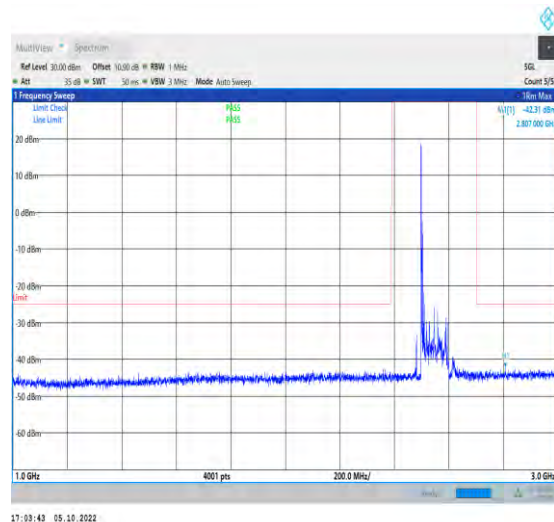
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1-N41-PC2-30-100-L-1-DFT-QPSK-Inner_1RB_Left-1@1-30-1000-Ant1-34.37--56.63--35-PASS



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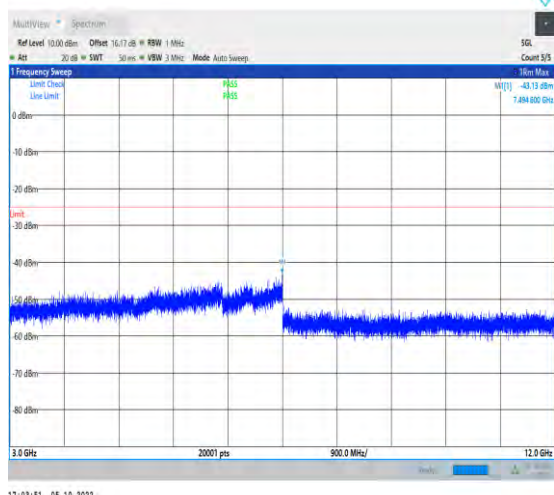
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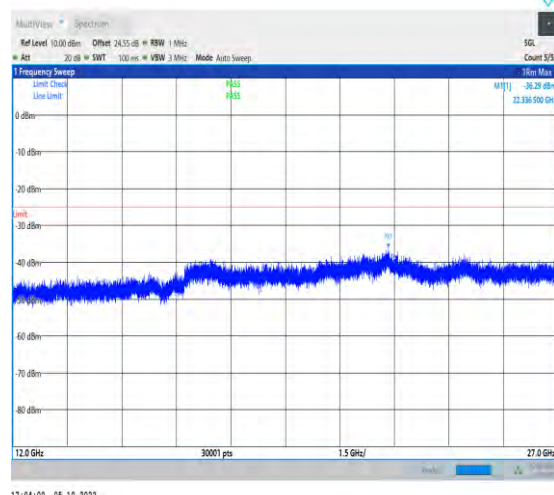
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Rev.: 01

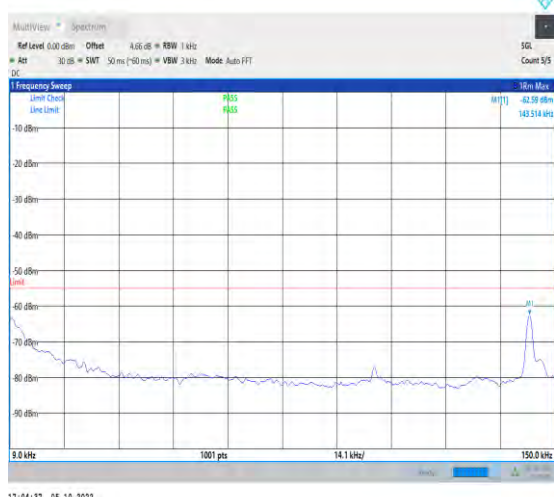
Page: 169 of 191



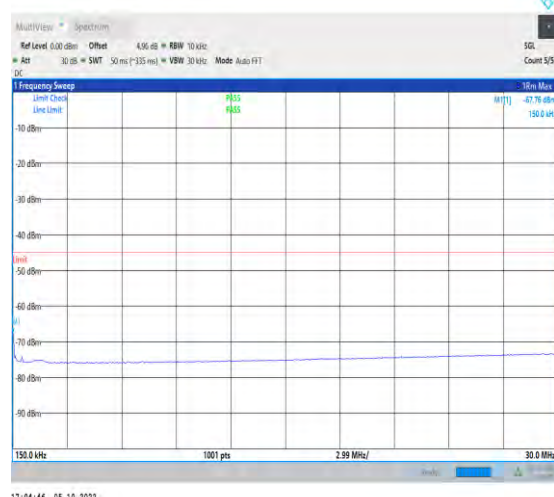
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1-N41-PC2-30-100-M-1-DFT-QPSK-Inner_1RB_Left-1@1-0.009-0.15-Ant1-0.14--62.59--55-PASS



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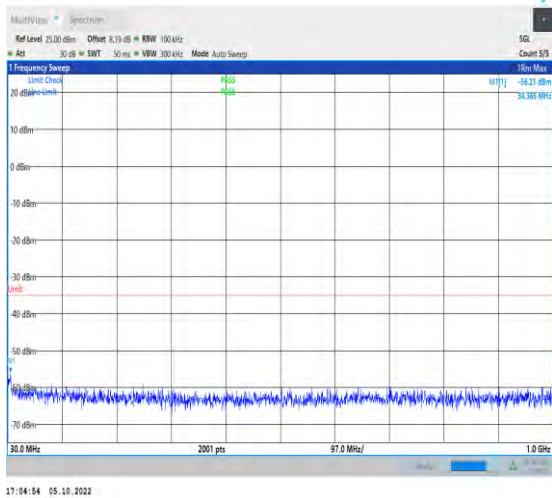
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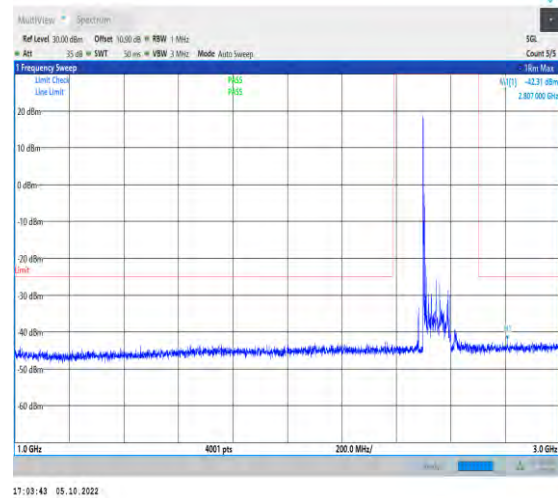
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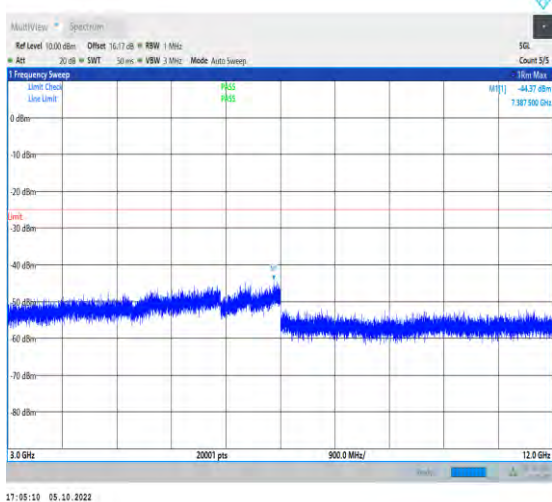
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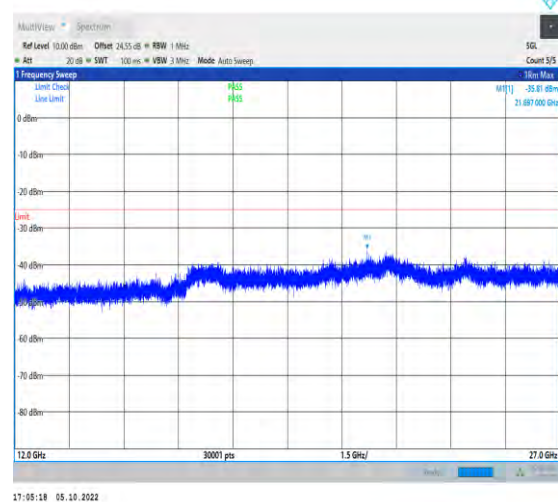
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1-N41-PC2-30-100-M-1-DFT-QPSK-Inner_1RB_Left
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1-N41-PC2-30-100-M-1-DFT-QPSK-Inner_1RB_Left-
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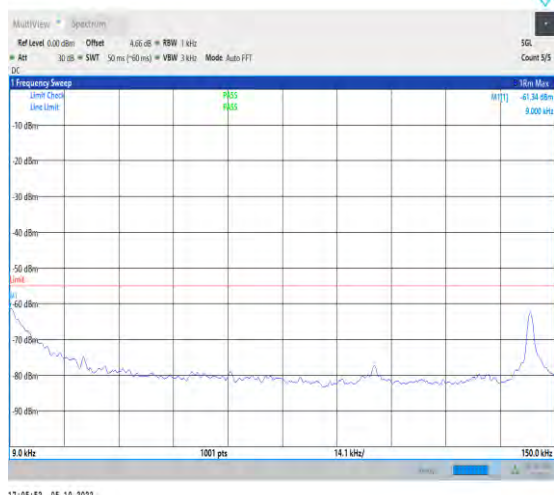
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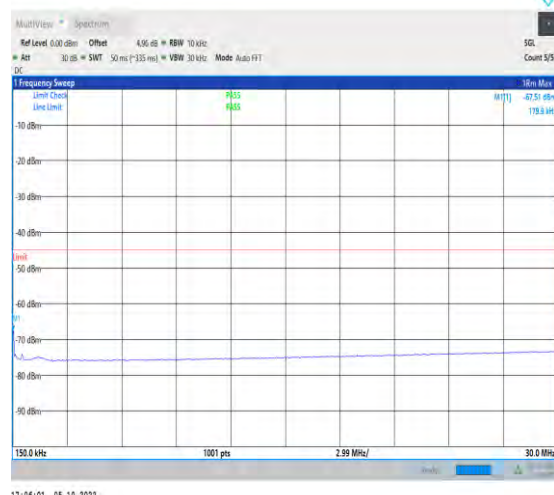
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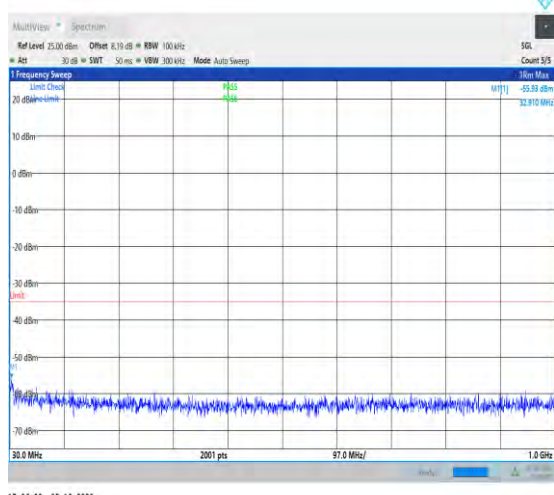
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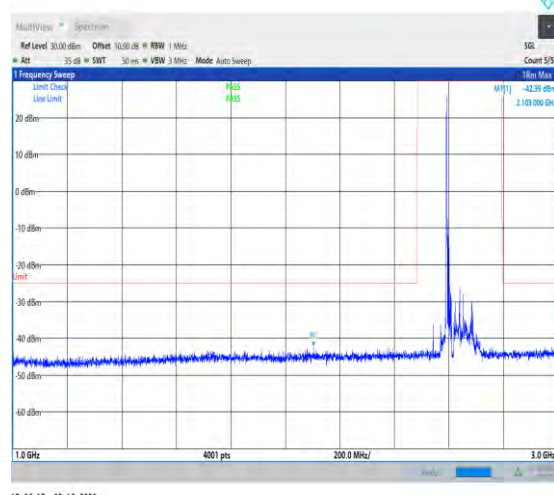
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1-N41-PC2-30-100-H-1-DFT-QPSK-Inner_1RB_Left-
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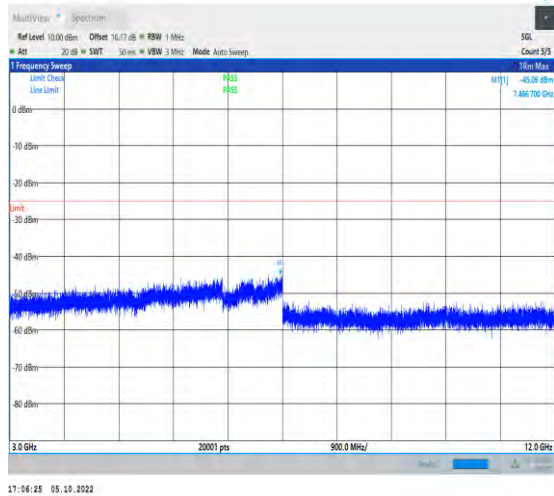
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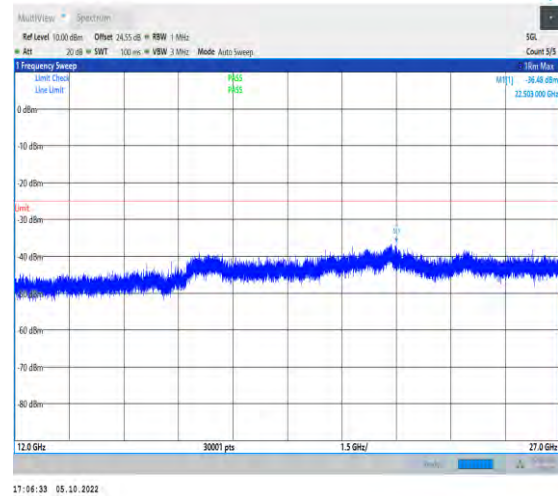
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Rev.: 01

Page: 172 of 191



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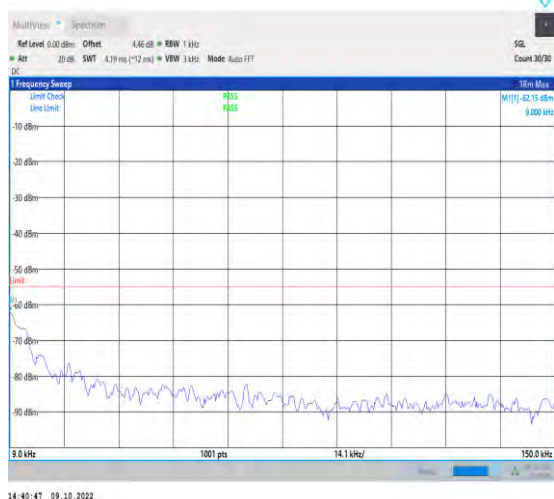
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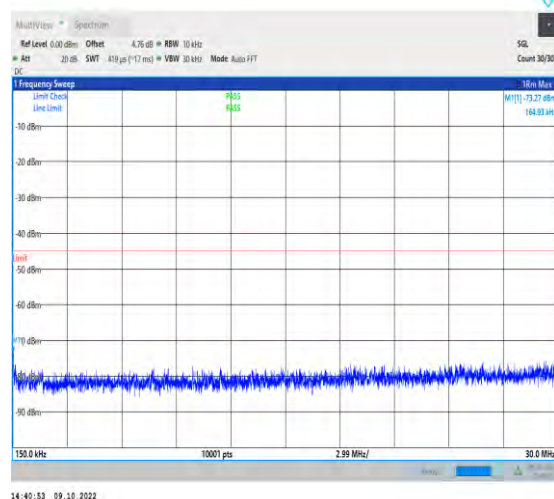
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Rev.: 01
Page: 173 of 191

Conducted Spurious Emission for MIMO

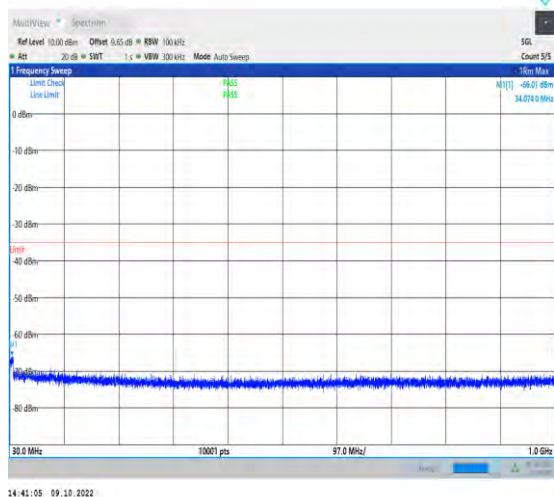
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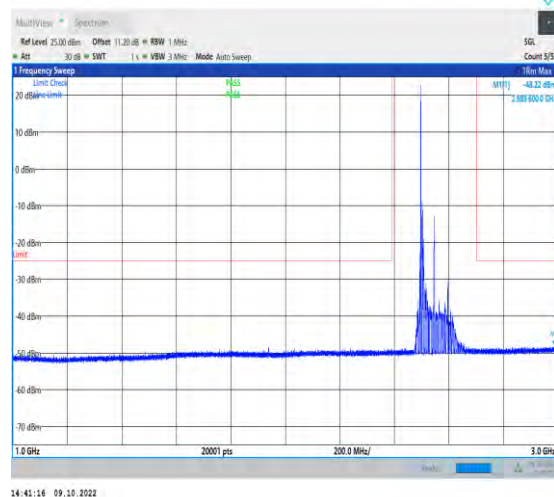
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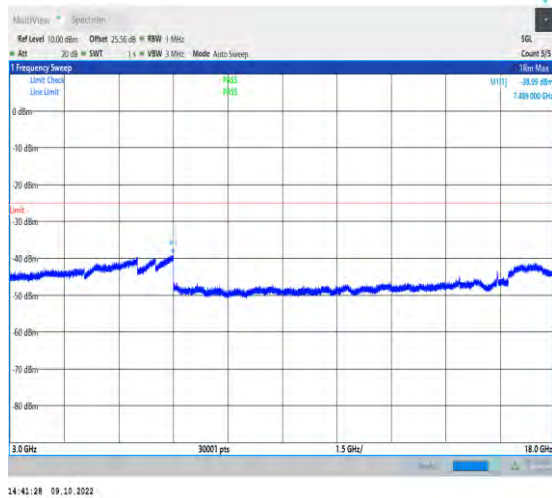
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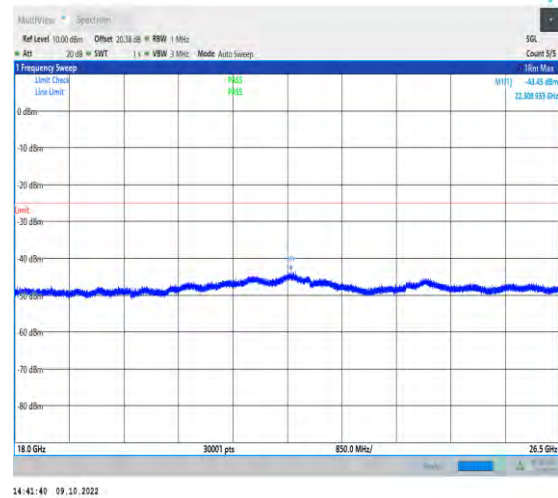
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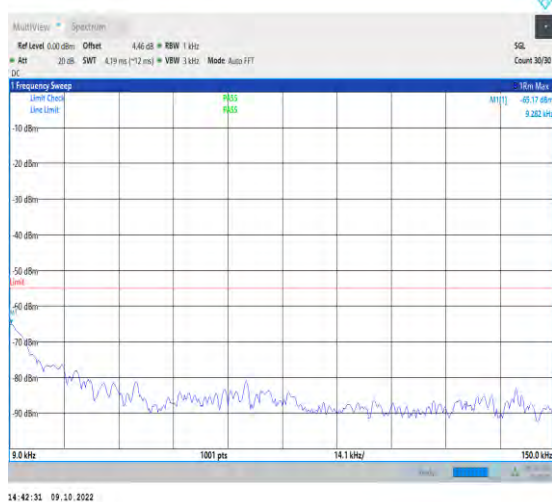
Page: 174 of 191



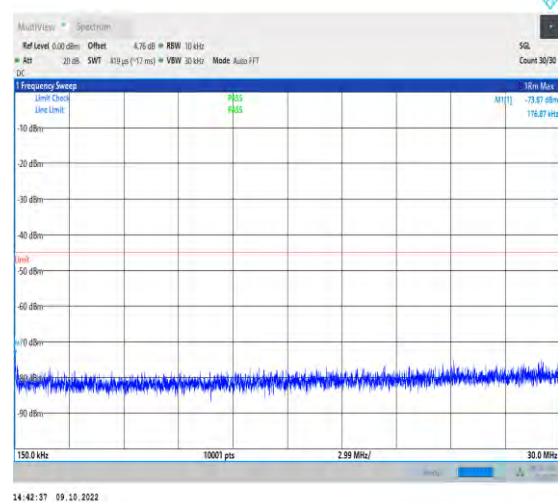
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1-N41-PC2-30-100-L-1-DFT-QPSK-Edge_1RB_Left-
1@0-18000-26500-Ant1-22308.93--43.45--25-PASS



1-N41-PC2-30-100-M-1-DFT-QPSK-Edge_1RB_Left
-1@0-0.009-0.15-Ant1-0.01--65.17--55-PASS



1-N41-PC2-30-100-M-1-DFT-QPSK-Edge_1RB_Left-
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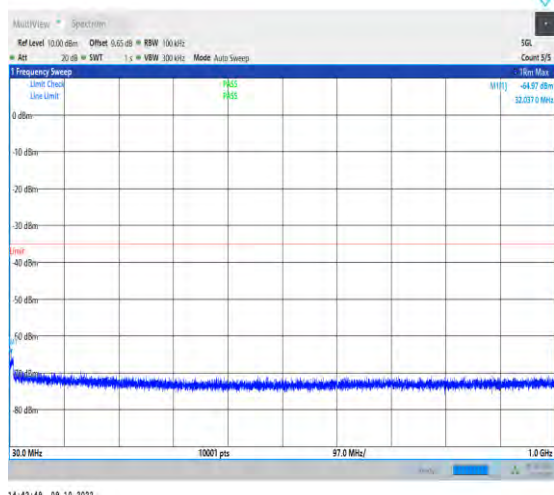
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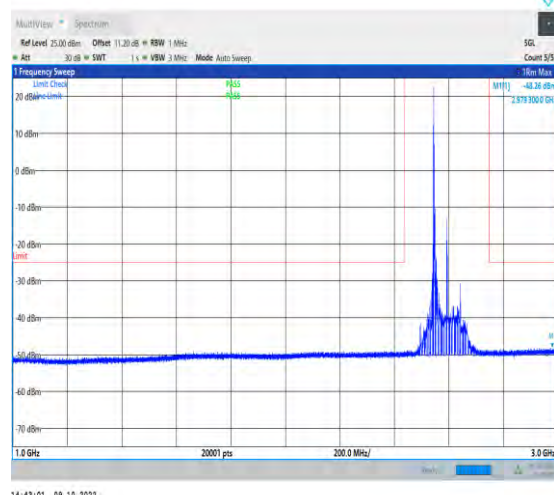
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Rev.: 01

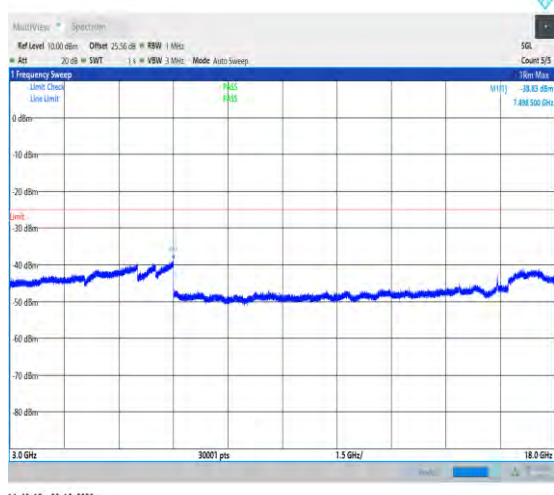
Page: 175 of 191



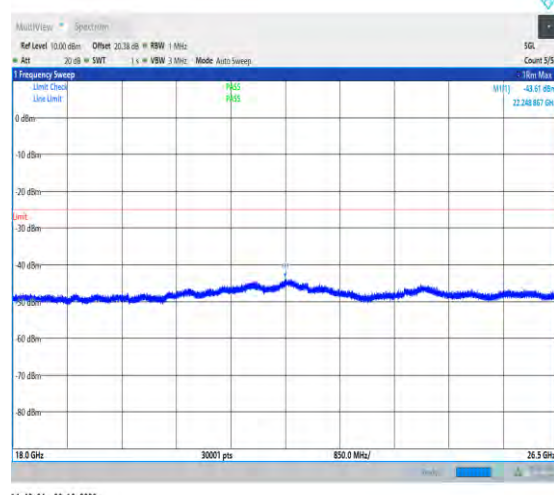
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1-N41-PC2-30-100-M-1-DFT-QPSK-Edge_1RB_Left-
1@0-1000-3000-Ant1-2979.30--48.26--25-PASS



1-N41-PC2-30-100-M-1-DFT-QPSK-Edge_1RB_Left
-1@0-3000-18000-Ant1-7498.50--38.83--25-PASS



1-N41-PC2-30-100-M-1-DFT-QPSK-Edge_1RB_Left-
1@0-18000-26500-Ant1-22248.87--43.61--25-PASS



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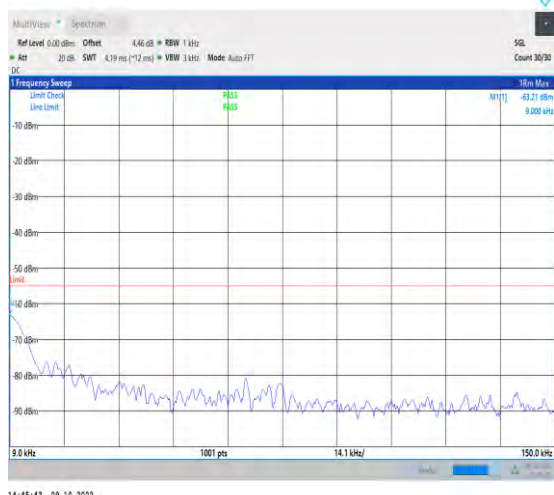
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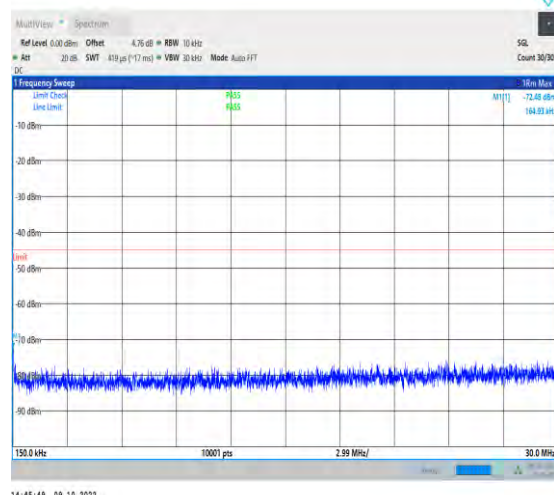
Report No.: SEWM2210000205RG02

Rev.: 01

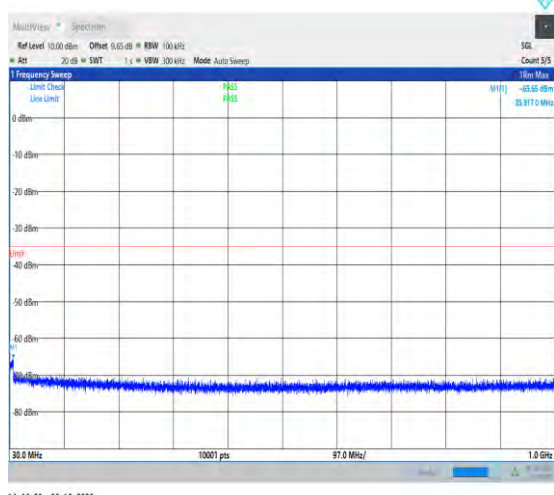
Page: 176 of 191



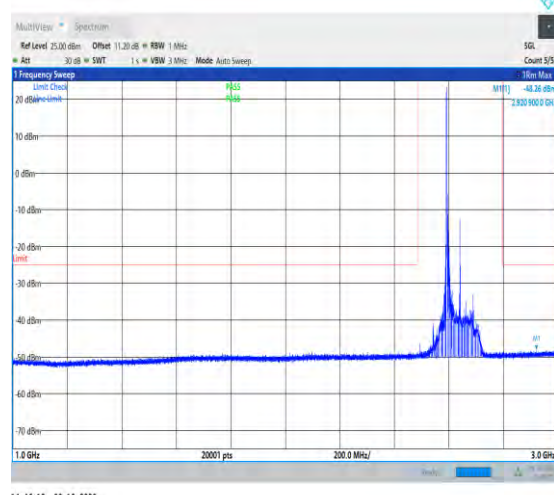
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1-N41-PC2-30-100-H-1-DFT-QPSK-Edge_1RB_Left-1@0-0.15-30-Ant1-0.16--72.48--45-PASS



1-N41-PC2-30-100-H-1-DFT-QPSK-Edge_1RB_Left-1@0-30-1000-Ant1-35.92--65.65--35-PASS



1-N41-PC2-30-100-H-1-DFT-QPSK-Edge_1RB_Left-1@0-1000-3000-Ant1-2920.90--48.26--25-PASS



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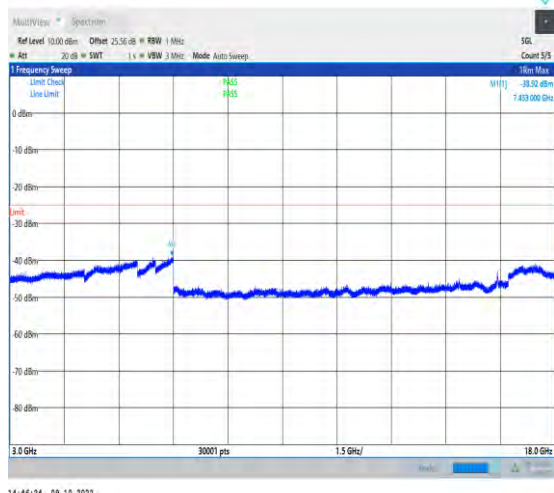
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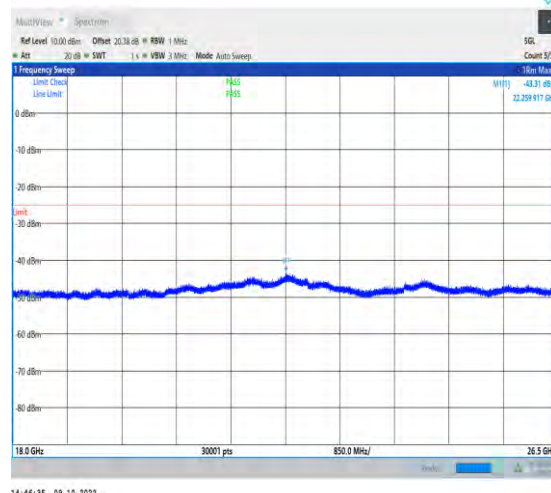
Report No.: SEWM2210000205RG02

Rev.: 01

Page: 177 of 191



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-1@0-3000-18000-Ant1-7453.00--38.92--25-PASS



1-N41-PC2-30-100-H-1-DFT-QPSK-Edge_1RB_Left-
1@0-18000-26500-Ant1-22259.92--43.31--25-PASS



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Rev.: 01

Page: 178 of 191

Field Strength of Spurious Radiation**Test Band = 5G NR SA Band41_ 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	5002.2000	48.26	-45.63	32.88	-59.75	-25.00	34.75	233	344	Horizontal
2	7503.3000	44.68	-43.13	36.44	-57.27	-25.00	32.27	215	165	Horizontal
3	10004.4000	36.95	-39.23	38.50	-59.05	-25.00	34.05	162	74	Horizontal
4	12505.5000	31.97	-36.99	39.18	-61.10	-25.00	36.10	145	179	Horizontal
5	15006.6000	29.26	-34.65	39.21	-61.44	-25.00	36.44	198	360	Horizontal
6	17507.7000	31.37	-34.95	39.22	-59.62	-25.00	34.62	146	329	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	5002.2000	47.15	-45.63	32.88	-60.86	-25.00	35.86	222	240	Vertical
2	7503.3000	44.39	-43.13	36.44	-57.56	-25.00	32.56	154	360	Vertical
3	10004.4000	37.13	-39.23	38.50	-58.87	-25.00	33.87	186	360	Vertical
4	12505.5000	31.19	-36.99	39.18	-61.88	-25.00	36.88	143	352	Vertical
5	15006.6000	30.86	-34.65	39.21	-59.84	-25.00	34.84	236	344	Vertical
6	17507.7000	33.79	-34.95	39.22	-57.20	-25.00	32.20	261	360	Vertical



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Report No.: SEWM2210000205RG02

Rev.: 01

Page: 179 of 191

Test Band = 5G NR SA Band41_ 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	5096.1600	46.91	-45.38	32.93	-60.80	-25.00	35.80	254	319	Horizontal
2	7644.2400	44.49	-43.02	36.48	-57.31	-25.00	32.31	125	360	Horizontal
3	10192.3200	35.46	-39.47	38.80	-60.47	-25.00	35.47	186	334	Horizontal
4	12740.4000	32.64	-36.74	39.53	-59.83	-25.00	34.83	142	152	Horizontal
5	15288.4800	31.04	-34.36	38.84	-59.74	-25.00	34.74	136	4	Horizontal
6	17836.5600	34.09	-34.59	41.09	-54.67	-25.00	29.67	122	4	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	5096.1600	46.72	-45.38	32.93	-60.99	-25.00	35.99	254	212	Vertical
2	7644.2400	44.89	-43.02	36.48	-56.91	-25.00	31.91	185	357	Vertical
3	10192.3200	35.05	-39.47	38.80	-60.88	-25.00	35.88	163	271	Vertical
4	12740.4000	31.90	-36.74	39.53	-60.57	-25.00	35.57	265	30	Vertical
5	15288.4800	30.57	-34.36	38.84	-60.21	-25.00	35.21	195	120	Vertical
6	17836.5600	33.90	-34.59	41.09	-54.86	-25.00	29.86	148	74	Vertical



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Report No.: SEWM2210000205RG02

Rev.: 01

Page: 180 of 191

Test Band = 5G NR SA Band41_ 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	3611.25	51.03	-46.06	29.65	-60.64	-25.00	35.64	256	360	Horizontal
2	5190.1800	46.98	-45.29	32.98	-60.58	-25.00	35.58	133	347	Horizontal
3	7785.2700	43.71	-42.43	36.75	-57.22	-25.00	32.22	265	244	Horizontal
4	10380.3600	34.77	-39.03	38.86	-60.66	-25.00	35.66	142	213	Horizontal
5	12975.4500	31.50	-37.28	39.81	-61.23	-25.00	36.23	195	182	Horizontal
6	15570.5400	29.47	-35.08	38.48	-62.39	-25.00	37.39	185	244	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	3817.5	50.18	-45.98	30.37	-60.69	-25.00	35.69	256	243	Vertical
2	5190.1800	46.00	-45.29	32.98	-61.56	-25.00	36.56	148	335	Vertical
3	7785.2700	43.07	-42.43	36.75	-57.86	-25.00	32.86	159	359	Vertical
4	10380.3600	37.20	-39.03	38.86	-58.23	-25.00	33.23	186	4	Vertical
5	12975.4500	32.90	-37.28	39.81	-59.83	-25.00	34.83	132	360	Vertical
6	15570.5400	30.27	-35.08	38.48	-61.59	-25.00	36.59	174	358	Vertical



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Report No.: SEWM2210000205RG02

Rev.: 01

Page: 181 of 191

Test Band = ULMIMO N41_ 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	5002.2000	37.78	-19.43	32.88	-44.03	-25.00	19.03	211	360	Horizontal
2	7503.3000	46.02	-43.16	36.44	-55.96	-25.00	30.96	135	2	Horizontal
3	10004.4000	38.62	-39.35	38.50	-57.49	-25.00	32.49	155	85	Horizontal
4	12505.5000	33.63	-36.96	39.18	-59.41	-25.00	34.41	142	102	Horizontal
5	15006.6000	30.58	-34.42	39.21	-59.89	-25.00	34.89	169	133	Horizontal
6	17507.7000	33.40	-33.83	39.22	-56.47	-25.00	31.47	192	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	5002.2000	37.54	-19.43	32.88	-44.27	-25.00	19.27	125	360	Vertical
2	7503.3000	46.19	-43.16	36.44	-55.79	-25.00	30.79	136	132	Vertical
3	10004.4000	39.12	-39.35	38.50	-56.99	-25.00	31.99	261	356	Vertical
4	12505.5000	32.62	-36.96	39.18	-60.42	-25.00	35.42	144	300	Vertical
5	15006.6000	31.11	-34.42	39.21	-59.36	-25.00	34.36	196	356	Vertical
6	17507.7000	34.23	-33.83	39.22	-55.64	-25.00	30.64	158	224	Vertical



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Report No.: SEWM2210000205RG02
 Rev.: 01
 Page: 182 of 191

Test Band = ULMIMO N41_ 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	5096.1600	44.92	-19.26	32.93	-36.67	-25.00	11.67	254	360	Horizontal
2	7644.2400	47.25	-42.83	36.48	-54.37	-25.00	29.37	128	164	Horizontal
3	10192.3200	40.40	-39.24	38.80	-55.30	-25.00	30.30	174	6	Horizontal
4	12740.4000	34.26	-36.75	39.53	-58.22	-25.00	33.22	185	2	Horizontal
5	15288.4800	32.42	-33.90	38.84	-57.90	-25.00	32.90	196	2	Horizontal
6	17836.5600	37.13	-34.48	41.08	-51.52	-25.00	26.52	251	178	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	5096.1600	38.14	-19.26	32.93	-43.45	-25.00	18.45	142	61	Vertical
2	7644.2400	46.11	-42.83	36.48	-55.51	-25.00	30.51	123	286	Vertical
3	10192.3200	39.81	-39.24	38.80	-55.89	-25.00	30.89	263	14	Vertical
4	12740.4000	34.95	-36.75	39.53	-57.53	-25.00	32.53	255	59	Vertical
5	15288.4800	33.08	-33.90	38.84	-57.24	-25.00	32.24	164	73	Vertical
6	17836.5600	37.87	-34.48	41.08	-50.78	-25.00	25.78	199	317	Vertical



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Report No.: SEWM2210000205RG02

Rev.: 01

Page: 183 of 191

Test Band = ULMIMO N41_ 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	5190.1800	38.26	-19.04	32.99	-43.06	-25.00	18.06	133	277	Horizontal
2	7139.4	49.94	-43.64	36.44	-52.52	-25.00	27.52	251	41	Horizontal
3	7785.2700	46.33	-42.63	36.75	-54.81	-25.00	29.81	146	255	Horizontal
4	10380.3600	39.03	-38.77	38.86	-56.14	-25.00	31.14	291	255	Horizontal
5	12975.4500	35.21	-37.20	39.81	-57.44	-25.00	32.44	142	147	Horizontal
6	15570.5400	32.13	-34.59	38.48	-59.24	-25.00	34.24	103	272	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	5190.1800	37.23	-19.04	32.99	-44.09	-25.00	19.09	256	306	Vertical
2	7785.2700	46.12	-42.63	36.75	-55.02	-25.00	30.02	142	207	Vertical
3	10380.3600	38.91	-38.77	38.86	-56.26	-25.00	31.26	196	0	Vertical
4	11302.4	39.31	-37.24	39.11	-54.08	-25.00	29.08	142	24	Vertical
5	12975.4500	34.53	-37.20	39.81	-58.12	-25.00	33.12	133	13	Vertical
6	15570.5400	32.82	-34.59	38.48	-58.55	-25.00	33.55	251	0	Vertical



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Report No.: SEWM2210000205RG02

Rev.: 01

Page: 184 of 191

Test Band = 5G NR NSA 66A-N41A_ 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	5002.2000	47.34	-45.63	32.88	-60.67	-25.00	35.67	163	290	Horizontal
2	7503.3000	44.34	-43.13	36.44	-57.61	-25.00	32.61	251	336	Horizontal
3	10004.4000	36.46	-39.23	38.50	-59.54	-25.00	34.54	145	336	Horizontal
4	12505.5000	30.89	-36.99	39.18	-62.18	-25.00	37.18	261	305	Horizontal
5	15006.6000	30.11	-34.65	39.21	-60.59	-25.00	35.59	133	354	Horizontal
6	17507.7000	31.56	-34.95	39.22	-59.43	-25.00	34.43	251	319	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	5002.2000	47.01	-45.63	32.88	-61.00	-25.00	36.00	145	3	Vertical
2	7503.3000	44.33	-43.13	36.44	-57.62	-25.00	32.62	198	287	Vertical
3	10004.4000	37.08	-39.23	38.50	-58.92	-25.00	33.92	175	13	Vertical
4	12505.5000	31.38	-36.99	39.18	-61.69	-25.00	36.69	142	360	Vertical
5	15006.6000	30.05	-34.65	39.21	-60.65	-25.00	35.65	166	59	Vertical
6	17507.7000	32.24	-34.95	39.22	-58.75	-25.00	33.75	261	242	Vertical



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Report No.: SEWM2210000205RG02
 Rev.: 01
 Page: 185 of 191

Test Band = 5G NR NSA 66A-N41A_ 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	5096.1600	46.10	-45.38	32.93	-61.61	-25.00	36.61	254	46	Horizontal
2	7644.2400	44.60	-43.02	36.48	-57.20	-25.00	32.20	122	167	Horizontal
3	10192.3200	35.49	-39.47	38.80	-60.44	-25.00	35.44	269	355	Horizontal
4	12740.4000	33.16	-36.74	39.53	-59.31	-25.00	34.31	152	214	Horizontal
5	15288.4800	30.70	-34.36	38.84	-60.08	-25.00	35.08	144	46	Horizontal
6	17836.5600	34.28	-34.59	41.09	-54.48	-25.00	29.48	180	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	5096.1600	46.52	-45.38	32.93	-61.19	-25.00	36.19	211	31	Vertical
2	7644.2400	43.87	-43.02	36.48	-57.93	-25.00	32.93	145	60	Vertical
3	10192.3200	35.58	-39.47	38.80	-60.35	-25.00	35.35	236	4	Vertical
4	12740.4000	32.43	-36.74	39.53	-60.04	-25.00	35.04	255	228	Vertical
5	15288.4800	30.61	-34.36	38.84	-60.17	-25.00	35.17	185	319	Vertical
6	17836.5600	34.56	-34.59	41.09	-54.20	-25.00	29.20	149	243	Vertical



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Report No.: SEWM2210000205RG02

Rev.: 01

Page: 186 of 191

Test Band = 5G NR NSA 66A-N41A_ 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	3817.5	50.62	-45.98	30.37	-60.25	-25.00	35.25	126	258	Horizontal
2	5190.1800	46.47	-45.29	32.98	-61.09	-25.00	36.09	145	336	Horizontal
3	7785.2700	43.48	-42.43	36.75	-57.45	-25.00	32.45	132	44	Horizontal
4	10380.3600	36.45	-39.03	38.86	-58.98	-25.00	33.98	163	213	Horizontal
5	12975.4500	32.53	-37.28	39.81	-60.20	-25.00	35.20	216	360	Horizontal
6	15570.5400	29.23	-35.08	38.48	-62.63	-25.00	37.63	196	153	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	3511.5	52.42	-46.25	29.53	-59.55	-25.00	34.55	265	75	Vertical
2	5190.1800	46.68	-45.29	32.98	-60.88	-25.00	35.88	145	104	Vertical
3	7785.2700	44.00	-42.43	36.75	-56.93	-25.00	31.93	189	75	Vertical
4	10380.3600	35.08	-39.03	38.86	-60.35	-25.00	35.35	125	213	Vertical
5	12975.4500	32.57	-37.28	39.81	-60.16	-25.00	35.16	142	104	Vertical
6	15570.5400	29.26	-35.08	38.48	-62.60	-25.00	37.60	133	353	Vertical



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Report No.: SEWM2210000205RG02

Rev.: 01

Page: 187 of 191

Test Band = 5G NR N25_N41_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	3704.1800	49.31	-45.52	29.99	-61.48	-25.00	36.48	145	215	Horizontal
2	5556.2700	47.58	-45.14	32.97	-59.85	-25.00	34.85	125	87	Horizontal
3	7408.3600	44.77	-43.39	36.49	-57.39	-25.00	32.39	166	59	Horizontal
4	12505.5000	32.41	-36.99	39.18	-60.66	-25.00	35.66	288	59	Horizontal
5	15006.6000	30.30	-34.65	39.21	-60.40	-25.00	35.40	142	236	Horizontal
6	17507.7000	33.49	-34.95	39.22	-57.50	-25.00	32.50	136	155	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	3704.1800	48.73	-45.52	29.99	-62.06	-25.00	37.06	245	180	Vertical
2	5556.2700	47.77	-45.14	32.97	-59.66	-25.00	34.66	166	28	Vertical
3	7408.3600	45.55	-43.39	36.49	-56.61	-25.00	31.61	125	1	Vertical
4	12505.5000	33.46	-36.99	39.18	-59.61	-25.00	34.61	148	331	Vertical
5	15006.6000	30.02	-34.65	39.21	-60.68	-25.00	35.68	195	331	Vertical
6	17507.7000	31.27	-34.95	39.22	-59.72	-25.00	34.72	172	300	Vertical



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Report No.: SEWM2210000205RG02
 Rev.: 01
 Page: 188 of 191

Test Band = 5G NR N25_N41_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	3729.1800	47.49	-45.62	30.08	-63.32	-25.00	38.32	256	16	Horizontal
2	5593.7700	46.41	-45.08	33.01	-60.92	-25.00	35.92	148	226	Horizontal
3	7458.3600	44.22	-43.25	36.46	-57.83	-25.00	32.83	165	226	Horizontal
4	12740.4000	32.37	-36.74	39.53	-60.10	-25.00	35.10	182	120	Horizontal
5	15288.4800	31.06	-34.36	38.84	-59.72	-25.00	34.72	133	0	Horizontal
6	17836.5600	35.09	-34.59	41.09	-53.67	-25.00	28.67	142	74	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	3729.1800	48.13	-45.62	30.08	-62.68	-25.00	37.68	286	135	Vertical
2	5593.7700	47.83	-45.08	33.01	-59.50	-25.00	34.50	148	150	Vertical
3	7458.3600	44.68	-43.25	36.46	-57.37	-25.00	32.37	196	0	Vertical
4	12740.4000	32.63	-36.74	39.53	-59.84	-25.00	34.84	172	8	Vertical
5	15288.4800	30.33	-34.36	38.84	-60.45	-25.00	35.45	140	1	Vertical
6	17836.5600	33.97	-34.59	41.09	-54.79	-25.00	29.79	165	209	Vertical



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Report No.: SEWM2210000205RG02

Rev.: 01

Page: 189 of 191

Test Band = 5G NR N25_N41_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	3754.1800	48.08	-45.73	30.17	-62.74	-25.00	37.74	255	59	Horizontal
2	5631.2700	46.33	-45.00	33.14	-60.79	-25.00	35.79	148	239	Horizontal
3	7508.3600	44.87	-43.12	36.44	-57.08	-25.00	32.08	198	331	Horizontal
4	10380.3600	36.66	-39.03	38.86	-58.77	-25.00	33.77	175	42	Horizontal
5	12975.4500	32.64	-37.28	39.81	-60.09	-25.00	35.09	146	180	Horizontal
6	15570.5400	30.36	-35.08	38.48	-61.50	-25.00	36.50	231	87	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	3754.1800	47.87	-45.73	30.17	-62.95	-25.00	37.95	215	314	Vertical
2	5631.2700	48.45	-45.00	33.14	-58.67	-25.00	33.67	166	344	Vertical
3	7508.3600	44.51	-43.12	36.44	-57.44	-25.00	32.44	133	1	Vertical
4	10380.3600	35.51	-39.03	38.86	-59.92	-25.00	34.92	321	44	Vertical
5	12975.4500	32.25	-37.28	39.81	-60.48	-25.00	35.48	169	300	Vertical
6	15570.5400	30.00	-35.08	38.48	-61.86	-25.00	36.86	184	270	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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Report No.: SEWM2210000205RG02

Rev.: 01

Page: 190 of 191

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
N41	30	100	DFT-QPSK	M	Outer_Full	VH	NT	0.200000	0.000077	PASS
N41	30	100	DFT-QPSK	M	Outer_Full	VN	NT	-4.400000	-0.001697	PASS
N41	30	100	DFT-QPSK	M	Outer_Full	VL	NT	-0.800000	-0.000309	PASS
N41	30	100	CP-QPSK	M	Outer_Full	VH	NT	0.200000	0.000077	PASS
N41	30	100	CP-QPSK	M	Outer_Full	VN	NT	4.400000	0.001697	PASS
N41	30	100	CP-QPSK	M	Outer_Full	VL	NT	-4.600000	-0.001774	PASS



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Report No.: SEWM2210000205RG02

Rev.: 01

Page: 191 of 191

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N41	30	100	DFT-QPSK	M	Outer_Full	NV	-30	-3.200000	-0.001234	PASS
N41	30	100	DFT-QPSK	M	Outer_Full	NV	-20	-1.000000	-0.000386	PASS
N41	30	100	DFT-QPSK	M	Outer_Full	NV	-10	-3.900000	-0.001504	PASS
N41	30	100	DFT-QPSK	M	Outer_Full	NV	0	-2.700000	-0.001041	PASS
N41	30	100	DFT-QPSK	M	Outer_Full	NV	10	-3.000000	-0.001157	PASS
N41	30	100	DFT-QPSK	M	Outer_Full	NV	20	-2.100000	-0.000810	PASS
N41	30	100	DFT-QPSK	M	Outer_Full	NV	30	-2.500000	-0.000964	PASS
N41	30	100	DFT-QPSK	M	Outer_Full	NV	40	-1.600000	-0.000617	PASS
N41	30	100	DFT-QPSK	M	Outer_Full	NV	50	-1.800000	-0.000694	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	-30	2.400000	0.000926	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	-20	-5.400000	-0.002083	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	-10	-1.300000	-0.000501	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	0	-1.600000	-0.000617	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	10	-2.400000	-0.000926	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	20	-2.100000	-0.000810	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	30	1.600000	0.000617	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	40	0.300000	0.000116	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	50	-1.800000	-0.000694	PASS

---End of Attachment---



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