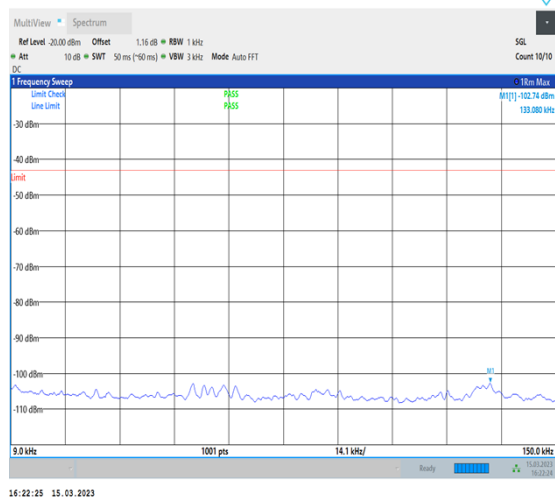


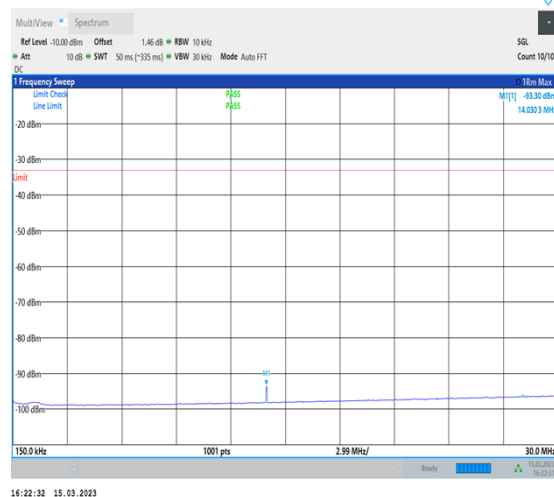
Report No.: SEWM2311000473RG02
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Conducted Spurious Emission for SA

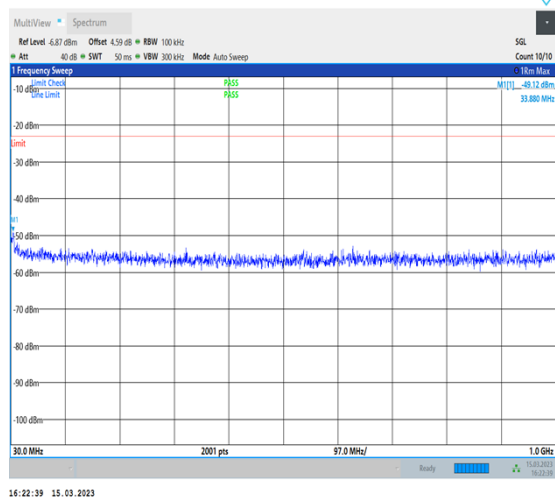
Test Graphs



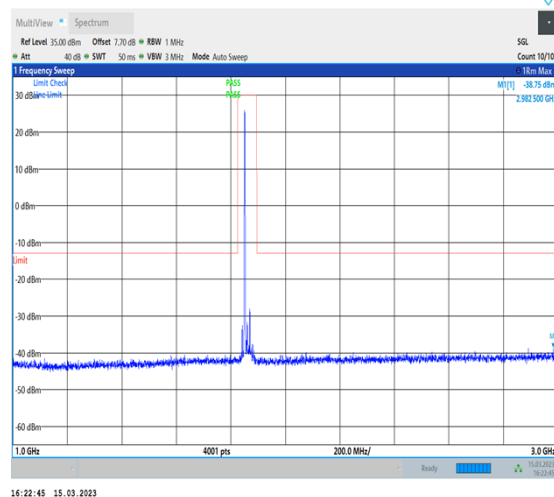
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Inner_1RB_Left-1@1-0.15-30-Ant1-14.03--93.30--33-
PASS



1-N25-PC3-15-20-L-1-DFT-PI2BPSK-
Inner_1RB_Left-1@1-30-1000-Ant1-33.88--49.12--
23-PASS



1-N25-PC3-15-20-L-1-DFT-PI2BPSK-
Inner_1RB_Left-1@1-1000-3000-Ant1-2982.50--
38.75--13-PASS



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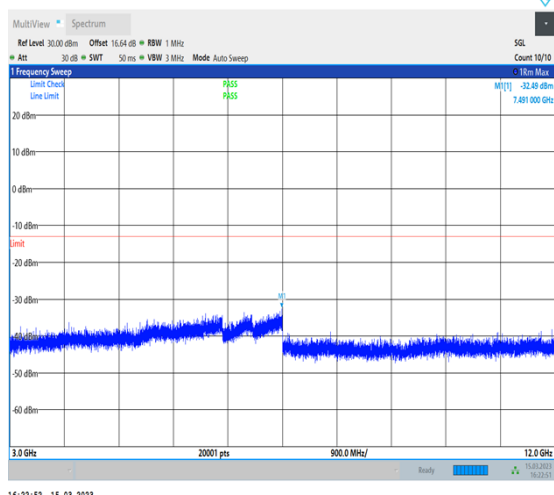
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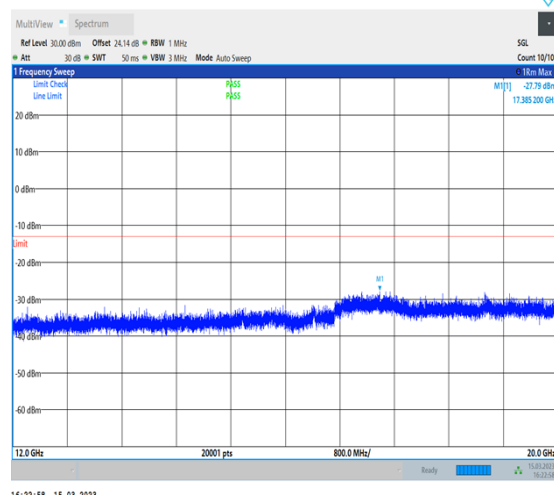
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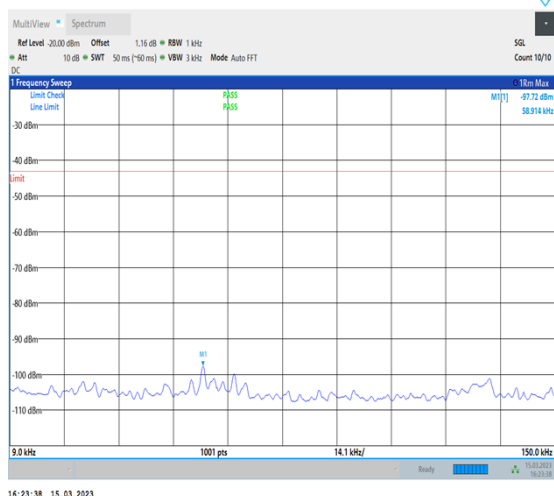
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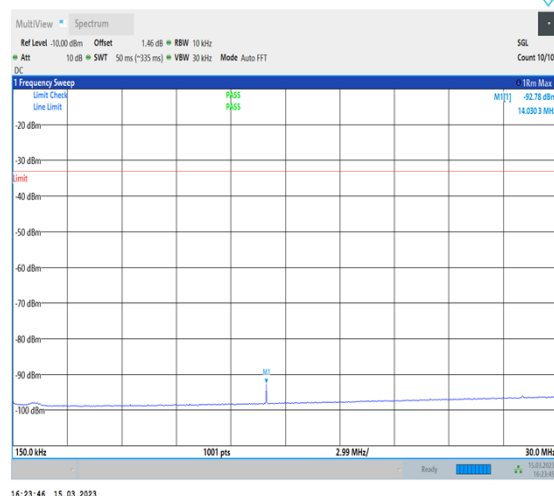
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27.79--13-PASS



1-N25-PC3-15-20-M-1-DFT-PI2BPSK-
Inner_1RB_Left-1@1-0.009-0.15-Ant1-0.06--97.72--
43-PASS



1-N25-PC3-15-20-M-1-DFT-PI2BPSK-
Inner_1RB_Left-1@1-0.15-30-Ant1-14.03--92.78--33-
PASS



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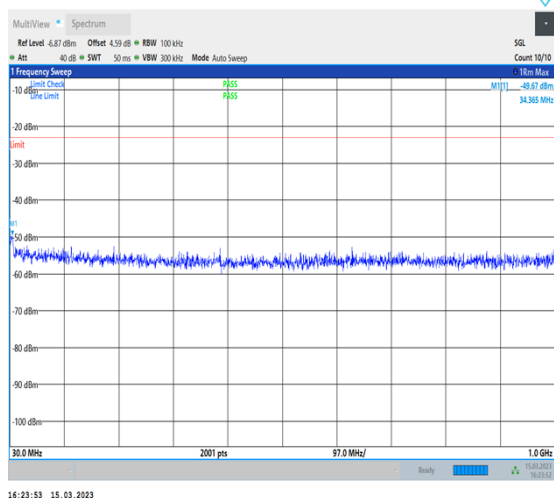
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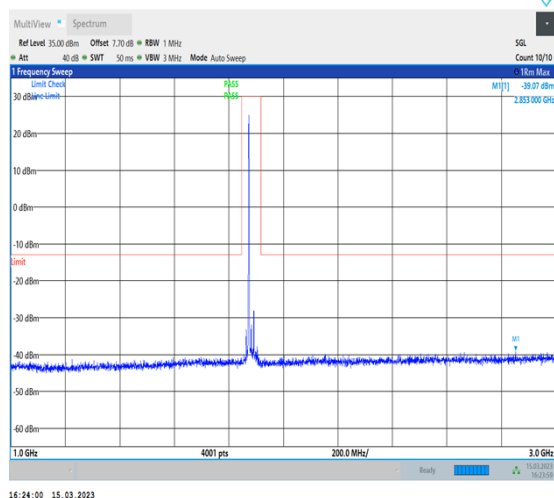
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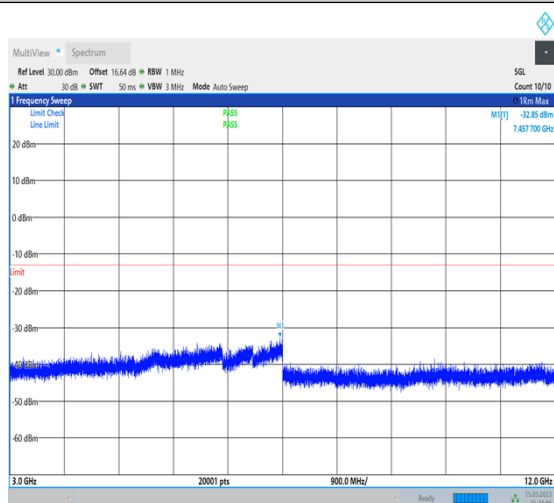
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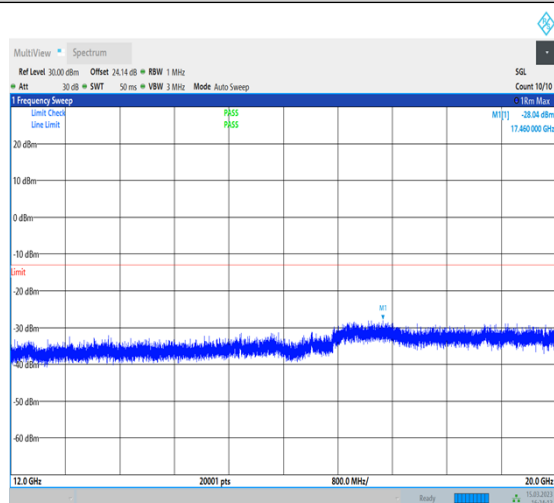
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16:24:14 15.03.2023

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28.04--13-PASS



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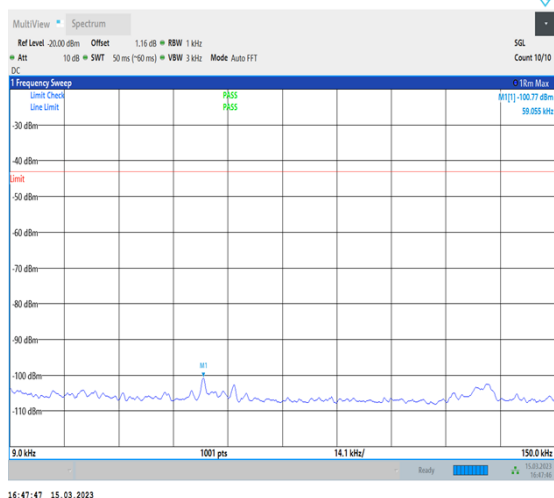
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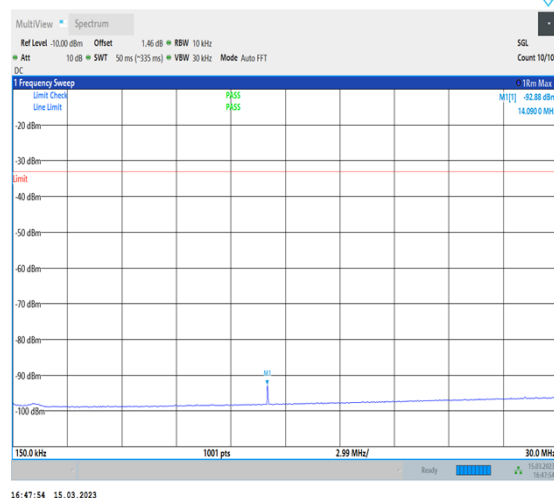
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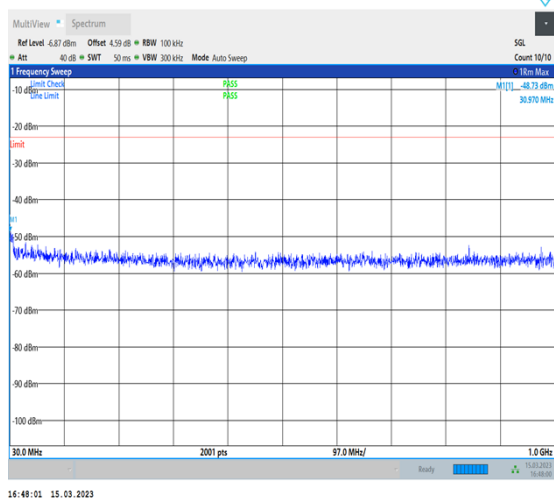
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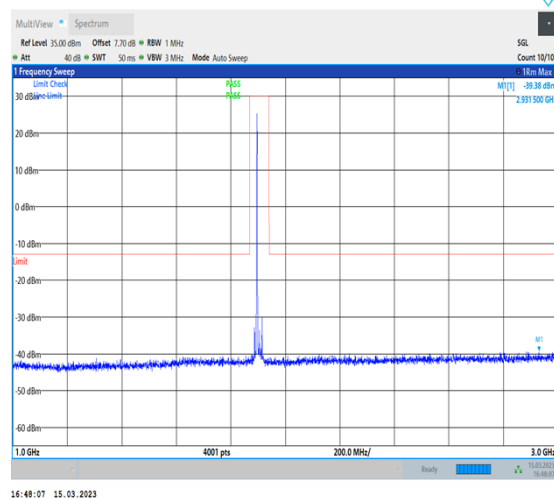
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1-N25-PC3-15-20-H-1-DFT-PI2BPSK-
Inner_1RB_Left-1@1-0.15-30-Ant1-14.09--92.88--33-
PASS



1-N25-PC3-15-20-H-1-DFT-PI2BPSK-
Inner_1RB_Left-1@1-30-1000-Ant1-30.97--48.73--
23-PASS



1-N25-PC3-15-20-H-1-DFT-PI2BPSK-
Inner_1RB_Left-1@1-1000-3000-Ant1-2931.50--
39.38--13-PASS



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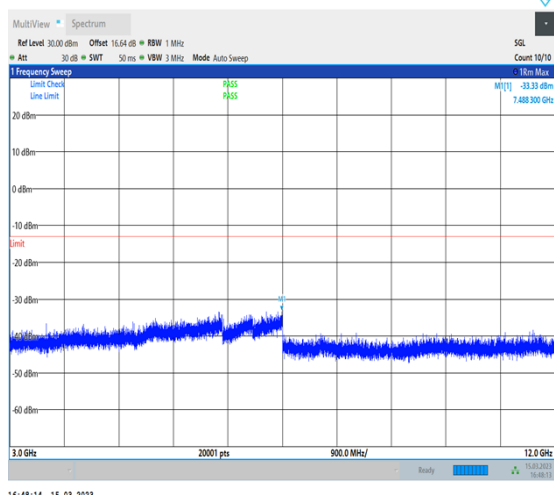
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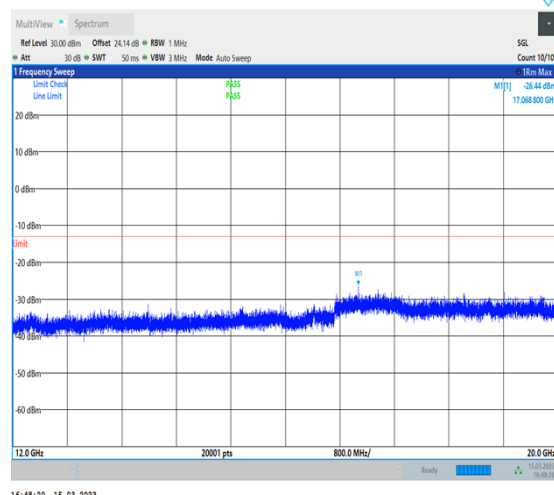
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33.33--13-PASS



1-N25-PC3-15-20-H-1-DFT-PI2BPSK-
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26.44--13-PASS



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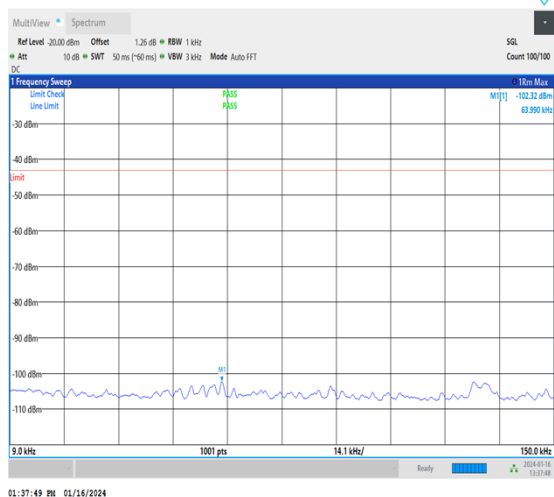
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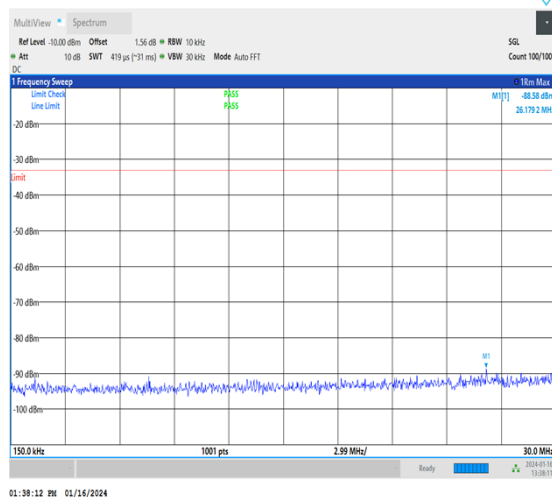
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Conducted Spurious Emission for MIMO ANT1

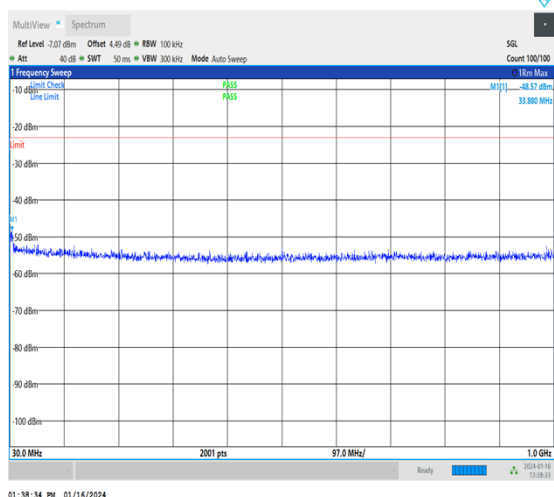
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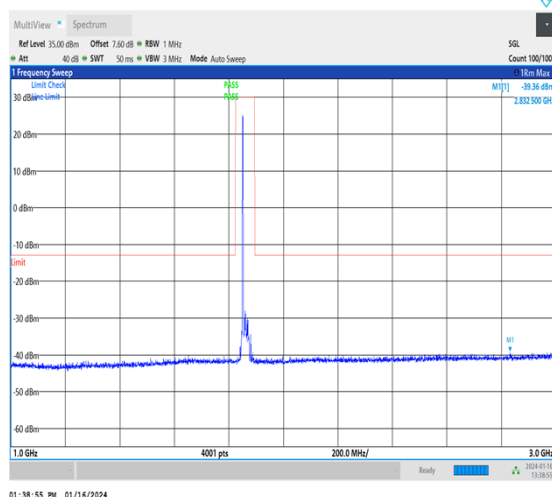
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1-N25-15-20-L-1-DFT-PI2BPSK-Inner_1RB_Left-
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1-N25-15-20-L-1-DFT-PI2BPSK-Inner_1RB_Left-
 1@1-1000-3000-Ant1-2831.00--39.36--13-PASS



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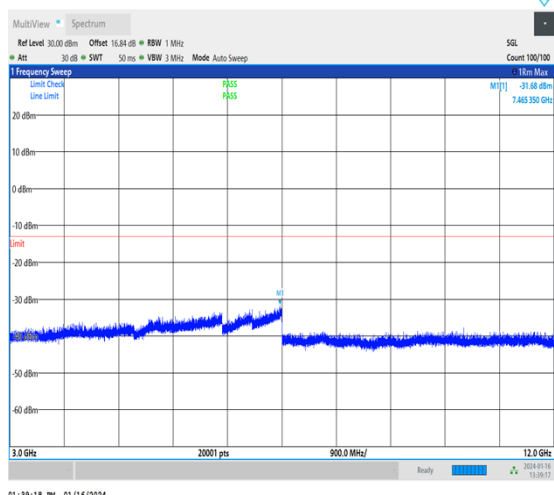
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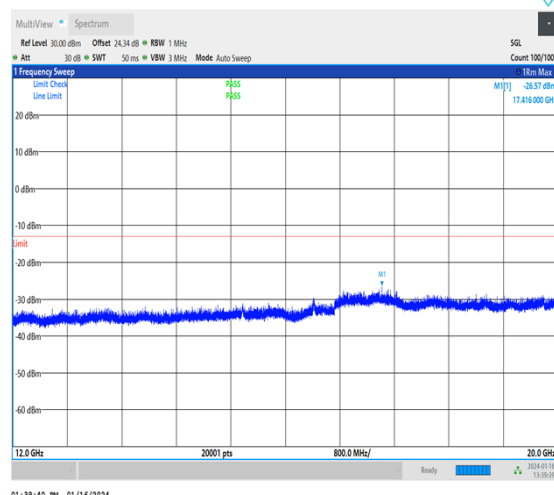
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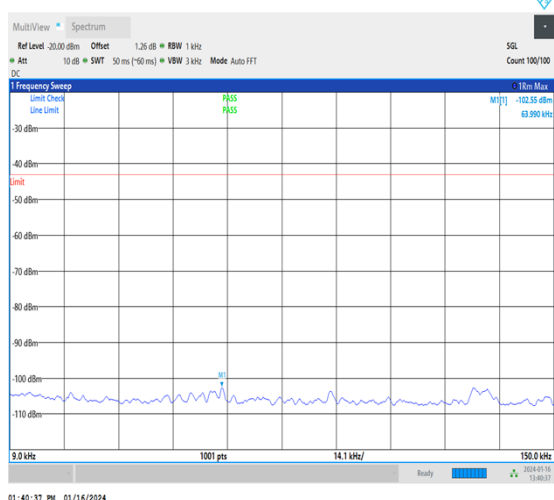
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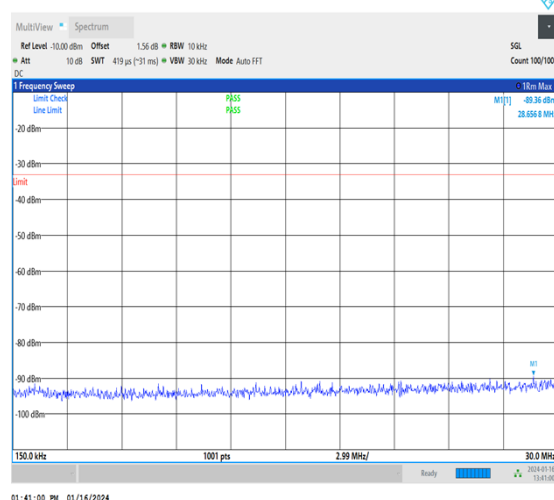
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1-N25-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant1-4.54--89.36--33-PASS



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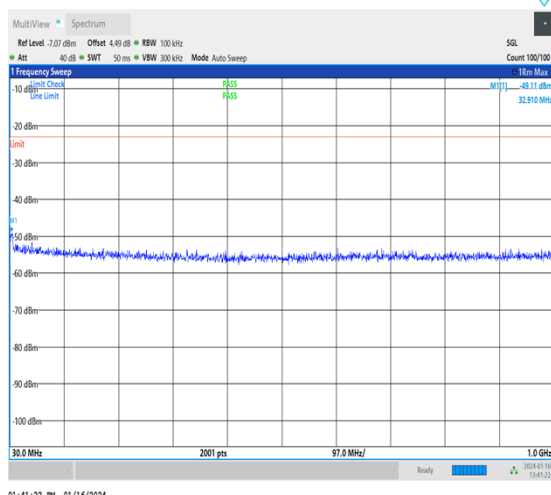
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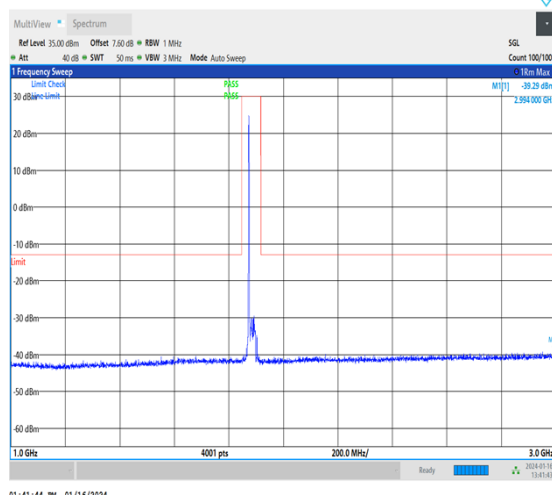
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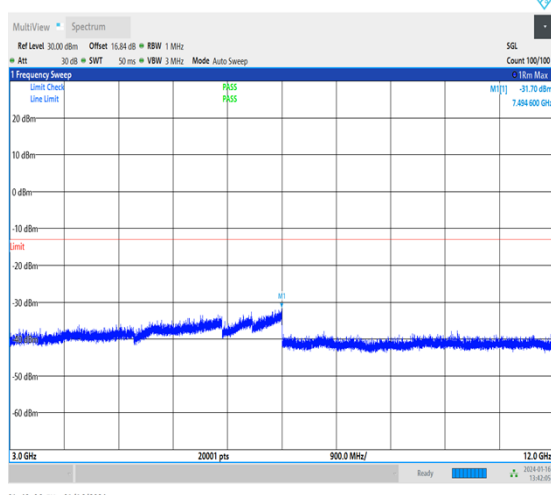
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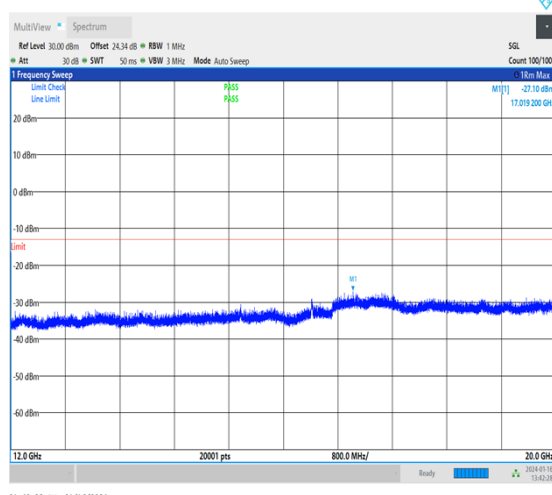
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01:42:28 PM 01/16/2024

1-N25-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-12000-20000-Ant1-17257.20--27.10--13-PASS



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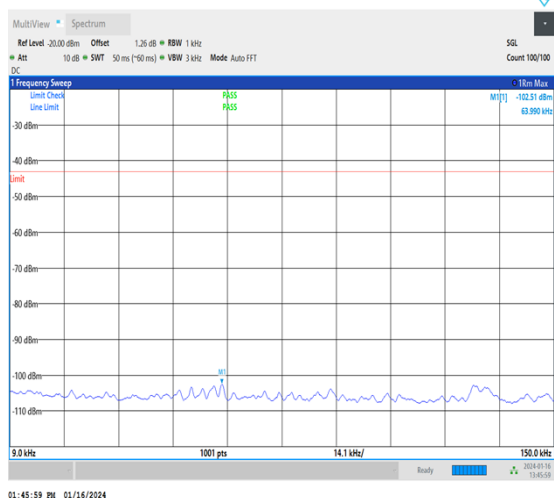
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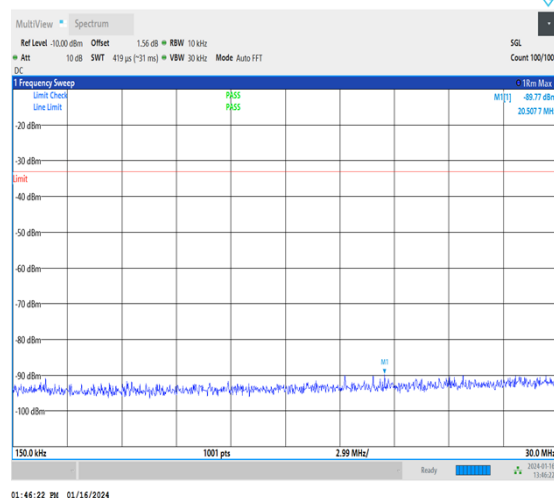
Report No.: SEWM2311000473RG02

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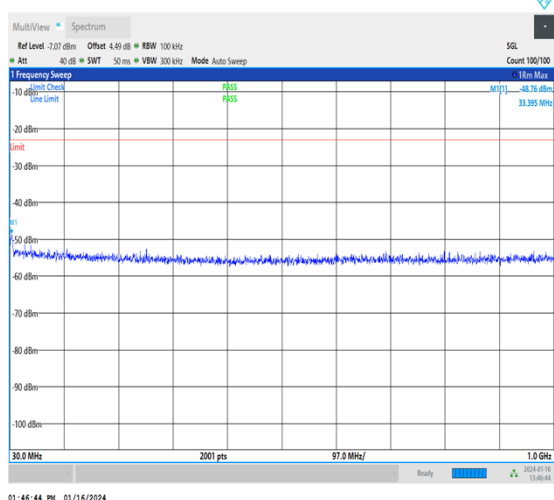
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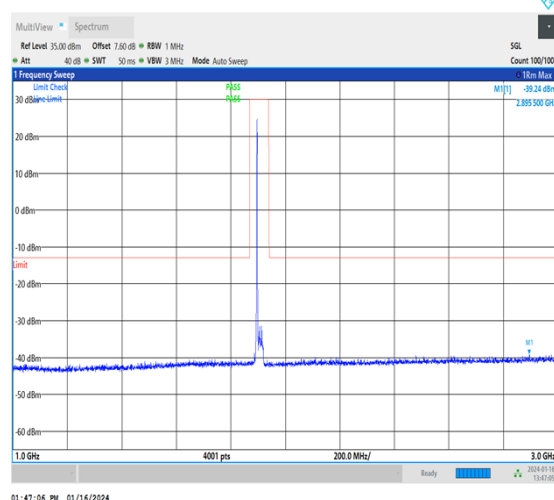
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1-N25-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant1-4.57--89.77--33-PASS



1-N25-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-30-1000-Ant1-30.49--48.76--23-PASS



1-N25-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-3000-Ant1-2905.50--39.24--13-PASS



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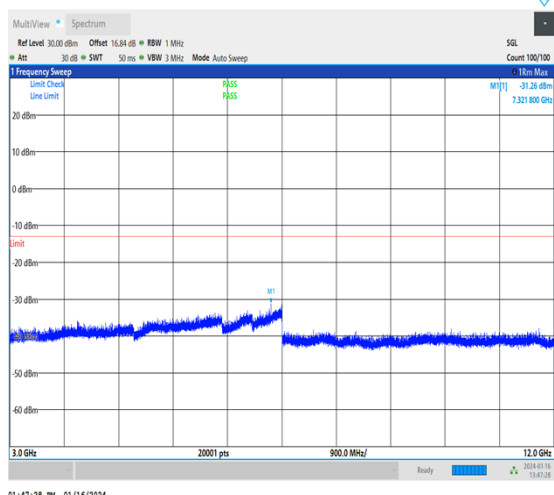
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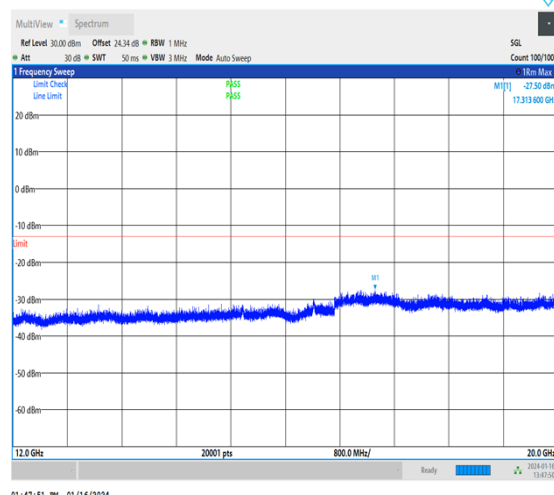
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1-N25-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-
1@1-3000-12000-Ant1-7455.00--31.26--13-PASS



1-N25-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-
1@1-12000-20000-Ant1-18114.00--27.50--13-PASS



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Field Strength of Spurious Radiation

Test Band = SA Band25_20MHz _ 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	3701.25	46.11	-45.51	29.97	-64.68	-13.00	51.68	129	44	Horizontal
2	5551.5	45.91	-45.15	32.97	-61.54	-13.00	48.54	226	104	Horizontal
3	7408.3600	39.66	-43.39	36.49	-62.50	-13.00	49.50	138	314	Horizontal
4	9260.4500	36.56	-40.23	38.39	-60.55	-13.00	47.55	259	164	Horizontal
5	11112.5400	32.80	-37.90	39.09	-61.26	-13.00	48.26	174	150	Horizontal
6	12964.6300	31.81	-37.25	39.80	-60.91	-13.00	47.91	201	330	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	3701.25	49.77	-45.51	29.97	-61.02	-13.00	48.02	255	356	Vertical
2	5552.25	48.54	-45.15	32.97	-58.90	-13.00	45.90	174	225	Vertical
3	7408.3600	39.64	-43.39	36.49	-62.52	-13.00	49.52	192	1	Vertical
4	9260.4500	36.75	-40.23	38.39	-60.36	-13.00	47.36	216	178	Vertical
5	11112.5400	32.34	-37.90	39.09	-61.72	-13.00	48.72	235	1	Vertical
6	12964.6300	31.88	-37.25	39.80	-60.84	-13.00	47.84	288	178	Vertical



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Test Band = SA Band25_20MHz _ 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	41.53	-45.62	30.08	-69.28	-13.00	56.28	158	178	Horizontal
2	5593.7700	40.23	-45.08	33.01	-67.10	-13.00	54.10	281	208	Horizontal
3	7458.3600	39.06	-43.25	36.46	-62.99	-13.00	49.99	243	208	Horizontal
4	9322.9500	36.12	-40.13	38.43	-60.84	-13.00	47.84	163	133	Horizontal
5	11187.5400	33.02	-37.46	39.11	-60.59	-13.00	47.59	293	0	Horizontal
6	13052.1300	30.91	-37.16	39.85	-61.65	-13.00	48.65	252	194	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	41.11	-45.62	30.08	-69.70	-13.00	56.70	271	151	Vertical
2	5593.7700	40.02	-45.08	33.01	-67.31	-13.00	54.31	144	243	Vertical
3	7458.3600	39.26	-43.25	36.46	-62.79	-13.00	49.79	203	357	Vertical
4	9322.9500	36.87	-40.13	38.43	-60.09	-13.00	47.09	296	89	Vertical
5	11187.5400	32.76	-37.46	39.11	-60.85	-13.00	47.85	232	347	Vertical
6	13052.1300	31.99	-37.16	39.85	-60.57	-13.00	47.57	281	2	Vertical



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Test Band = SA Band25_20MHz _ 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	41.45	-45.73	30.17	-69.37	-13.00	56.37	144	225	Horizontal
2	5631.2700	39.91	-45.00	33.14	-67.21	-13.00	54.21	251	0	Horizontal
3	7508.3600	39.79	-43.12	36.44	-62.16	-13.00	49.16	186	151	Horizontal
4	9385.4500	35.36	-39.89	38.48	-61.31	-13.00	48.31	239	165	Horizontal
5	11262.5400	32.97	-37.41	39.11	-60.59	-13.00	47.59	255	151	Horizontal
6	13139.6300	31.13	-37.08	39.89	-61.32	-13.00	48.32	184	225	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	3726	44.46	-45.61	30.06	-66.35	-13.00	53.35	288	0	Vertical
2	5589.75	46.24	-45.09	33.01	-61.10	-13.00	48.10	197	86	Vertical
3	7508.3600	38.31	-43.12	36.44	-63.64	-13.00	50.64	156	2	Vertical
4	9385.4500	34.73	-39.89	38.48	-61.94	-13.00	48.94	210	208	Vertical
5	11262.5400	32.55	-37.41	39.11	-61.01	-13.00	48.01	162	254	Vertical
6	13139.6300	30.41	-37.08	39.89	-62.04	-13.00	49.04	247	132	Vertical



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Test Band = SA Band 25 ULMIMO_ TM1
Test Channel = Low Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4432.5	44.49	-48.07	30.18	-68.66	-13.00	55.66	Horizontal
2	6473.25	43.57	-46.97	34.41	-64.25	-13.00	51.25	Horizontal
3	8658.75	41.17	-44.06	37.12	-61.03	-13.00	48.03	Horizontal
4	9324	41.12	-42.92	37.89	-59.17	-13.00	46.17	Horizontal
5	13566.75	36.76	-39.10	39.90	-57.69	-13.00	44.69	Horizontal
6	17976.75	34.23	-36.56	45.15	-52.44	-13.00	39.44	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3909	45.41	-48.28	29.27	-68.86	-13.00	55.86	Vertical
2	5410.5	44.37	-47.71	32.49	-66.11	-13.00	53.11	Vertical
3	6693.75	43.47	-46.58	34.93	-63.45	-13.00	50.45	Vertical
4	7672.5	42.40	-45.03	36.59	-61.30	-13.00	48.30	Vertical
5	9313.5	41.11	-42.90	37.88	-59.17	-13.00	46.17	Vertical
6	13094.25	36.74	-38.46	38.82	-58.16	-13.00	45.16	Vertical



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Test Band = SA Band 25 ULMIMO_ TM1
Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3791.25	44.84	-48.21	29.11	-69.52	-13.00	56.52	Horizontal
2	5241	43.71	-47.84	32.08	-67.32	-13.00	54.32	Horizontal
3	7560	41.54	-45.21	36.73	-62.20	-13.00	49.20	Horizontal
4	8826	41.31	-44.00	37.36	-60.59	-13.00	47.59	Horizontal
5	10741.5	38.34	-40.89	39.17	-58.64	-13.00	45.64	Horizontal
6	14752.5	35.86	-36.77	40.30	-55.87	-13.00	42.87	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3594	45.09	-48.28	28.83	-69.62	-13.00	56.62	Vertical
2	5043.75	43.92	-47.93	31.61	-67.66	-13.00	54.66	Vertical
3	7766.25	42.75	-45.01	36.48	-61.04	-13.00	48.04	Vertical
4	9302.25	41.24	-42.88	37.87	-59.03	-13.00	46.03	Vertical
5	12031.5	37.27	-39.49	39.18	-58.30	-13.00	45.30	Vertical
6	14774.25	35.57	-36.81	40.28	-56.22	-13.00	43.22	Vertical



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Test Band = SA Band 25 ULMIMO_ TM1
Test Channel = High Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7713.75	42.36	-45.17	36.54	-61.53	-13.00	48.53	Horizontal
2	11485.5	37.87	-40.06	39.30	-58.15	-13.00	45.15	Horizontal
3	3320.36	43.89	-48.11	28.63	-70.85	-13.00	57.85	Horizontal
4	4150.45	42.50	-48.21	29.67	-71.30	-13.00	58.30	Horizontal
5	4980.54	43.76	-48.01	31.45	-68.06	-13.00	55.06	Horizontal
6	5810.63	42.45	-47.60	32.76	-67.64	-13.00	54.64	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7781.25	42.72	-44.97	36.46	-61.04	-13.00	48.04	Vertical
2	11200.5	38.08	-40.34	39.36	-58.16	-13.00	45.16	Vertical
3	3320.36	44.66	-48.11	28.63	-70.08	-13.00	57.08	Vertical
4	4150.45	44.15	-48.21	29.67	-69.65	-13.00	56.65	Vertical
5	4980.54	43.13	-48.01	31.45	-68.69	-13.00	55.69	Vertical
6	5810.63	42.68	-47.60	32.76	-67.41	-13.00	54.41	Vertical



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Test Band = NSA 2A_n25A_ 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	4071.75	41.14	-45.84	30.91	-69.05	-13.00	56.05	129	152	Horizontal
2	5551.5	40.05	-45.15	32.97	-67.40	-13.00	54.40	248	318	Horizontal
3	7153.5	37.74	-43.79	36.48	-64.83	-13.00	51.83	244	20	Horizontal
4	9435.75	32.56	-39.97	38.48	-64.19	-13.00	51.19	156	138	Horizontal
5	11441.25	25.53	-37.35	39.06	-68.01	-13.00	55.01	235	228	Horizontal
6	14502	23.28	-34.85	40.01	-66.82	-13.00	53.82	124	152	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	4109.25	41.01	-45.76	30.96	-69.05	-13.00	56.05	213	347	Vertical
2	4843.5	45.11	-45.54	32.44	-63.24	-13.00	50.24	209	50	Vertical
3	7656	39.47	-43.04	36.50	-62.33	-13.00	49.33	164	274	Vertical
4	9485.25	33.09	-40.17	38.47	-63.87	-13.00	50.87	250	199	Vertical
5	11224.5	26.74	-37.40	39.11	-66.81	-13.00	53.81	134	243	Vertical
6	13767.75	25.37	-36.32	39.99	-66.22	-13.00	53.22	175	257	Vertical



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Test Band = NSA 2A_n25A_ 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	4737	39.94	-45.58	32.13	-68.77	-13.00	55.77	169	360	Horizontal
2	6631.5	39.69	-44.18	35.50	-64.25	-13.00	51.25	240	3	Horizontal
3	8448.75	35.45	-41.53	37.43	-63.91	-13.00	50.91	132	224	Horizontal
4	10834.5	25.48	-38.33	39.19	-68.92	-13.00	55.92	142	253	Horizontal
5	12927	24.72	-37.17	39.76	-67.95	-13.00	54.95	144	268	Horizontal
6	15189.75	23.06	-34.03	38.96	-67.26	-13.00	54.26	289	118	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	3585.75	42.35	-46.15	29.60	-69.46	-13.00	56.46	126	1	Vertical
2	4912.5	40.94	-45.54	32.64	-67.23	-13.00	54.23	234	78	Vertical
3	6579	39.67	-44.40	35.35	-64.64	-13.00	51.64	278	331	Vertical
4	8937	34.36	-41.15	38.16	-63.89	-13.00	50.89	144	1	Vertical
5	12207	25.17	-37.48	39.13	-68.45	-13.00	55.45	210	301	Vertical
6	15157.5	23.24	-34.36	39.01	-67.37	-13.00	54.37	235	213	Vertical



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Test Band = NSA 2A_n25A_ 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	4323	41.23	-45.60	31.35	-68.28	-13.00	55.28	124	296	Horizontal
2	6273.75	38.98	-44.60	34.35	-66.52	-13.00	53.52	189	360	Horizontal
3	8064	33.88	-41.72	37.03	-66.06	-13.00	53.06	253	296	Horizontal
4	9632.25	30.74	-39.60	38.40	-65.71	-13.00	52.71	264	4	Horizontal
5	12846	24.59	-36.96	39.68	-67.95	-13.00	54.95	172	237	Horizontal
6	15157.5	23.41	-34.36	39.01	-67.20	-13.00	54.20	201	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	3762.75	40.82	-45.76	30.20	-70.01	-13.00	57.01	219	140	Vertical
2	4843.5	45.17	-45.54	32.44	-63.18	-13.00	50.18	256	50	Vertical
3	7656	38.56	-43.04	36.50	-63.24	-13.00	50.24	234	274	Vertical
4	9513.75	32.99	-40.15	38.46	-63.96	-13.00	50.96	287	347	Vertical
5	11448	25.94	-37.34	39.06	-67.60	-13.00	54.60	145	154	Vertical
6	14625	23.74	-35.13	39.91	-66.75	-13.00	53.75	201	34	Vertical



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Test Band = NSA 12A_n25A_ 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	3578.25	42.21	-46.16	29.59	-69.62	-13.00	56.62	297	316	Horizontal
2	4737.75	40.50	-45.58	32.13	-68.21	-13.00	55.21	248	168	Horizontal
3	7147.5	37.94	-43.83	36.46	-64.69	-13.00	51.69	256	92	Horizontal
4	8930.25	34.03	-41.17	38.16	-64.24	-13.00	51.24	123	92	Horizontal
5	11142	26.60	-37.73	39.10	-67.29	-13.00	54.29	238	4	Horizontal
6	13338	24.67	-36.66	40.08	-67.17	-13.00	54.17	301	152	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	4022.25	41.66	-45.98	30.83	-68.74	-13.00	55.74	284	242	Vertical
2	5704.5	39.59	-44.85	33.40	-67.11	-13.00	54.11	172	242	Vertical
3	9003	33.43	-40.98	38.20	-64.61	-13.00	51.61	216	64	Vertical
4	10353.75	28.00	-39.05	38.85	-67.46	-13.00	54.46	210	136	Vertical
5	12216	25.41	-37.48	39.13	-68.20	-13.00	55.20	192	182	Vertical
6	13842	25.01	-36.00	40.00	-66.25	-13.00	53.25	143	256	Vertical



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Test Band = NSA 12A_n25A_ 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	6033	39.81	-44.70	34.14	-66.01	-13.00	53.01	216	59	Horizontal
2	8580	33.77	-41.39	37.71	-65.17	-13.00	52.17	239	59	Horizontal
3	10288.5	28.23	-39.14	38.83	-67.34	-13.00	54.34	277	268	Horizontal
4	12212.25	25.17	-37.48	39.13	-68.44	-13.00	55.44	145	350	Horizontal
5	13824	25.15	-36.17	39.98	-66.30	-13.00	53.30	182	360	Horizontal
6	15867.75	24.26	-33.88	38.08	-66.80	-13.00	53.80	109	311	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	4843.5	44.57	-45.54	32.44	-63.78	-13.00	50.78	139	49	Vertical
2	6333	38.86	-44.50	34.48	-66.42	-13.00	53.42	284	185	Vertical
3	9378	31.40	-39.92	38.47	-65.30	-13.00	52.30	156	0	Vertical
4	11141.25	26.53	-37.73	39.10	-67.36	-13.00	54.36	247	4	Vertical
5	13363.5	24.22	-36.52	40.11	-67.45	-13.00	54.45	144	21	Vertical
6	16416.75	26.01	-34.38	37.75	-65.88	-13.00	52.88	286	154	Vertical



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Test Band = NSA 12A_n25A_ 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	4843.5	42.11	-45.54	32.44	-66.24	-13.00	53.24	186	352	Horizontal
2	6439.5	39.39	-44.49	34.78	-65.58	-13.00	52.58	294	313	Horizontal
3	8572.5	34.06	-41.41	37.69	-64.92	-13.00	51.92	273	360	Horizontal
4	10716.75	26.65	-38.00	39.15	-67.46	-13.00	54.46	166	4	Horizontal
5	13389	24.16	-36.37	40.14	-67.34	-13.00	54.34	241	165	Horizontal
6	16464	26.33	-34.07	37.85	-65.15	-13.00	52.15	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	4407	41.35	-45.81	31.52	-68.21	-13.00	55.21	126	77	Vertical
2	4843.5	44.42	-45.54	32.44	-63.93	-13.00	50.93	263	48	Vertical
3	6676.5	38.88	-43.94	35.59	-64.72	-13.00	51.72	284	91	Vertical
4	8383.5	34.52	-41.54	37.31	-64.97	-13.00	51.97	271	108	Vertical
5	9673.5	29.51	-39.50	38.36	-66.89	-13.00	53.89	244	196	Vertical
6	13929	23.54	-35.53	40.08	-67.17	-13.00	54.17	150	136	Vertical



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Test Band = NSA 7A_n25A_ 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	4843.5	42.28	-45.54	32.44	-66.07	-13.00	53.07	293	272	Horizontal
2	7017.75	38.94	-43.67	36.13	-63.86	-13.00	50.86	175	347	Horizontal
3	8946	33.91	-41.13	38.17	-64.31	-13.00	51.31	165	331	Horizontal
4	10711.5	26.65	-37.96	39.15	-67.42	-13.00	54.42	248	122	Horizontal
5	12914.25	25.63	-37.14	39.74	-67.03	-13.00	54.03	162	4	Horizontal
6	16815.75	26.14	-34.33	38.40	-65.05	-13.00	52.05	162	258	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	4432.5	40.74	-45.78	31.54	-68.76	-13.00	55.76	196	1	Vertical
2	4923.75	41.72	-45.56	32.67	-66.43	-13.00	53.43	237	316	Vertical
3	7200	37.32	-43.42	36.60	-64.76	-13.00	51.76	184	169	Vertical
4	8931.75	34.56	-41.16	38.16	-63.70	-13.00	50.70	155	316	Vertical
5	12795	25.55	-36.82	39.62	-66.91	-13.00	53.91	264	123	Vertical
6	15156.75	24.19	-34.37	39.01	-66.43	-13.00	53.43	174	332	Vertical



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Test Band = NSA 7A_n25A_ 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	3734.25	40.59	-45.64	30.09	-70.22	-13.00	57.22	159	207	Horizontal
2	4749	40.34	-45.57	32.16	-68.33	-13.00	55.33	263	28	Horizontal
3	6183	39.64	-44.71	34.19	-66.13	-13.00	53.13	274	350	Horizontal
4	9094.5	31.95	-40.39	38.27	-65.43	-13.00	52.43	185	350	Horizontal
5	11346.75	26.76	-37.40	39.11	-66.79	-13.00	53.79	151	73	Horizontal
6	13701	24.79	-36.16	40.05	-66.58	-13.00	53.58	242	340	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	4078.5	40.92	-45.82	30.92	-69.24	-13.00	56.24	187	303	Vertical
2	5553.75	39.96	-45.15	32.97	-67.48	-13.00	54.48	149	347	Vertical
3	8856.75	33.13	-41.24	38.11	-65.26	-13.00	52.26	256	79	Vertical
4	10367.25	27.93	-39.04	38.85	-67.51	-13.00	54.51	243	317	Vertical
5	12186.75	25.60	-37.47	39.12	-68.01	-13.00	55.01	185	139	Vertical
6	16323.75	25.71	-34.60	37.68	-66.46	-13.00	53.46	162	0	Vertical



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Test Band = NSA 7A_n25A_ 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	3869.25	41.38	-46.17	30.49	-69.56	-13.00	56.56	249	296	Horizontal
2	4843.5	42.21	-45.54	32.44	-66.14	-13.00	53.14	256	44	Horizontal
3	6747.75	38.97	-43.98	35.74	-64.54	-13.00	51.54	243	74	Horizontal
4	9486.75	32.74	-40.18	38.47	-64.23	-13.00	51.23	152	147	Horizontal
5	12015	24.67	-37.59	38.98	-69.19	-13.00	56.19	175	88	Horizontal
6	12782.25	25.66	-36.80	39.60	-66.80	-13.00	53.80	250	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	4005	41.26	-46.03	30.81	-69.22	-13.00	56.22	194	0	Vertical
2	4926	41.43	-45.56	32.67	-66.72	-13.00	53.72	286	0	Vertical
3	6997.5	38.85	-43.56	36.08	-63.90	-13.00	50.90	235	3	Vertical
4	12324	24.76	-37.45	39.09	-68.85	-13.00	55.85	302	0	Vertical
5	15158.25	23.43	-34.35	39.01	-67.17	-13.00	54.17	167	244	Vertical
6	16456.5	26.69	-34.12	37.84	-64.86	-13.00	51.86	180	138	Vertical



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Test Band = NR CA 7A_n25A_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	3954.75	43.07	-46.15	30.69	-67.64	-25.00	42.64	155	168	Horizontal
2	5001	49.48	-45.64	32.88	-58.54	-25.00	33.54	146	242	Horizontal
3	7501.5	51.33	-43.14	36.44	-50.63	-25.00	25.63	195	242	Horizontal
4	8587.5	36.29	-41.37	37.72	-62.61	-25.00	37.61	185	92	Horizontal
5	11349.75	28.76	-37.40	39.11	-64.79	-25.00	39.79	142	347	Horizontal
6	13844.25	26.59	-35.98	40.00	-64.65	-25.00	39.65	173	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	3922.5	42.83	-46.23	30.62	-68.04	-25.00	43.04	126	0	Vertical
2	4843.5	48.69	-45.54	32.44	-59.66	-25.00	34.66	155	46	Vertical
3	6011.25	41.56	-44.79	34.13	-64.35	-25.00	39.35	142	356	Vertical
4	7501.5	53.31	-43.14	36.44	-48.65	-25.00	23.65	136	182	Vertical
5	9462.75	34.40	-40.08	38.47	-62.47	-25.00	37.47	259	0	Vertical
6	11406	28.14	-37.37	39.10	-65.38	-25.00	40.38	199	196	Vertical



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Test Band = NR CA 7A_n25A_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	3953.25	43.06	-46.15	30.69	-67.66	-25.00	42.66	258	9	Horizontal
2	4760.25	42.16	-45.56	32.20	-66.47	-25.00	41.47	174	272	Horizontal
3	8009.25	36.94	-42.26	37.01	-63.57	-25.00	38.57	159	136	Horizontal
4	10356.75	30.05	-39.04	38.85	-65.41	-25.00	40.41	196	272	Horizontal
5	11961	25.49	-37.42	38.93	-68.27	-25.00	43.27	152	9	Horizontal
6	14616	24.98	-35.19	39.92	-65.55	-25.00	40.55	153	257	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	3975.75	42.46	-46.10	30.74	-68.16	-25.00	43.16	125	272	Vertical
2	5976.75	41.36	-44.86	34.09	-64.68	-25.00	39.68	155	314	Vertical
3	7656	39.62	-43.04	36.50	-62.18	-25.00	37.18	163	224	Vertical
4	9623.25	32.49	-39.62	38.41	-63.97	-25.00	38.97	144	16	Vertical
5	12884.25	26.82	-37.07	39.71	-65.79	-25.00	40.79	199	240	Vertical
6	14499	24.42	-34.84	40.01	-65.67	-25.00	40.67	182	120	Vertical



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Test Band = NR CA 7A_n25A_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	4274.25	42.02	-45.60	31.25	-67.59	-25.00	42.59	254	77	Horizontal
2	5084.25	41.70	-45.41	32.93	-66.05	-25.00	41.05	126	0	Horizontal
3	7831.5	37.18	-42.47	36.82	-63.73	-25.00	38.73	199	183	Horizontal
4	10677	27.83	-38.02	39.12	-66.32	-25.00	41.32	148	0	Horizontal
5	12192	26.43	-37.48	39.12	-67.18	-25.00	42.18	175	357	Horizontal
6	15342.75	24.99	-34.02	38.78	-65.51	-25.00	40.51	153	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	3213.75	43.16	-45.83	29.66	-68.27	-25.00	43.27	245	8	Vertical
2	4930.5	42.87	-45.56	32.69	-65.27	-25.00	40.27	169	151	Vertical
3	6480.75	40.59	-44.57	34.95	-64.29	-25.00	39.29	125	0	Vertical
4	8498.25	36.83	-41.62	37.54	-62.51	-25.00	37.51	188	182	Vertical
5	10095	30.47	-39.13	38.64	-65.27	-25.00	40.27	149	3	Vertical
6	12771.75	26.38	-36.79	39.58	-66.09	-25.00	41.09	175	122	Vertical



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Test Band = NR CA 12A_n25A_ 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	2085.7143	44.52	-47.74	26.94	-71.54	-13.00	58.54	215	177	Horizontal
2	3000.5714	43.38	-46.52	29.35	-69.05	-13.00	56.05	211	151	Horizontal
3	3837.1429	41.53	-46.19	30.42	-69.50	-13.00	56.50	136	0	Horizontal
4	4719.4286	40.92	-45.77	32.07	-68.03	-13.00	55.03	256	126	Horizontal
5	6416.5714	40.11	-44.73	34.69	-65.19	-13.00	52.19	291	20	Horizontal
6	7053.1429	38.58	-43.92	36.22	-64.38	-13.00	51.38	147	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	1718.8571	59.56	-48.12	25.40	-58.42	-13.00	45.42	256	182	Vertical
2	1874.8571	44.83	-48.02	25.88	-72.57	-13.00	59.57	142	196	Vertical
3	2417.1429	43.74	-47.42	27.50	-71.44	-13.00	58.44	136	360	Vertical
4	3030.8571	43.68	-46.59	29.40	-68.77	-13.00	55.77	261	221	Vertical
5	3584	42.82	-46.37	29.60	-69.22	-13.00	56.22	148	221	Vertical
6	4844	49.14	-45.61	32.44	-59.29	-13.00	46.29	195	50	Vertical



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Test Band = NR CA 12A_n25A_ 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	1472	55.80	-48.23	25.52	-62.17	-13.00	49.17	256	32	Horizontal
2	1718.8571	56.70	-48.12	25.40	-61.28	-13.00	48.28	136	59	Horizontal
3	3125.1429	49.73	-46.63	29.56	-62.61	-13.00	49.61	221	164	Horizontal
4	4589.1429	41.39	-45.77	31.70	-67.94	-13.00	54.94	184	216	Horizontal
5	4843.4286	45.25	-45.61	32.44	-63.18	-13.00	50.18	185	32	Horizontal
6	5762.2857	40.57	-44.63	33.61	-65.70	-13.00	52.70	176	216	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	2338.2857	43.43	-47.48	27.41	-71.90	-13.00	58.90	254	4	Vertical
2	2829.7143	43.52	-46.82	28.61	-69.95	-13.00	56.95	136	130	Vertical
3	3519.4286	43.34	-46.50	29.54	-68.88	-13.00	55.88	288	183	Vertical
4	4438.2857	41.50	-45.78	31.55	-67.99	-13.00	54.99	142	157	Vertical
5	5567.4286	40.61	-45.23	32.98	-66.89	-13.00	53.89	199	183	Vertical
6	6607.4286	39.66	-44.46	35.45	-64.60	-13.00	51.60	144	38	Vertical



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Test Band = NR CA 12A_n25A_ 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	1841.7143	44.02	-47.99	25.68	-73.55	-13.00	60.55	216	138	Horizontal
2	2192.5714	43.99	-47.68	27.31	-71.64	-13.00	58.64	154	138	Horizontal
3	2870.2857	43.46	-46.67	28.79	-69.69	-13.00	56.69	126	124	Horizontal
4	3762.8571	41.32	-46.16	30.20	-69.90	-13.00	56.90	136	0	Horizontal
5	5156.5714	40.61	-45.16	32.97	-66.84	-13.00	53.84	258	307	Horizontal
6	6416.5714	39.39	-44.73	34.69	-65.91	-13.00	52.91	199	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	2187.4286	44.10	-47.68	27.30	-71.55	-13.00	58.55	255	287	Vertical
2	2730.2857	44.01	-47.01	28.35	-69.91	-13.00	56.91	142	360	Vertical
3	3460.5714	43.56	-46.54	29.48	-68.76	-13.00	55.76	136	117	Vertical
4	4104.5714	41.98	-45.90	30.96	-68.23	-13.00	55.23	256	354	Vertical
5	5840	40.21	-44.78	33.83	-66.01	-13.00	53.01	145	354	Vertical
6	6992	38.95	-43.62	36.07	-63.86	-13.00	50.86	199	234	Vertical



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Test on the worst case:

Test Band = NR CA n7A-n25A_ TM1
Test Channel = Low Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3952.5	46.03	-48.23	29.33	-68.13	-25.00	43.13	Horizontal
2	5233.5	45.06	-47.85	32.06	-65.99	-25.00	40.99	Horizontal
3	6442	44.88	-46.96	34.30	-63.03	-25.00	38.03	Horizontal
4	9009	41.24	-43.14	37.61	-59.55	-25.00	34.55	Horizontal
5	10926	39.01	-40.19	39.33	-57.11	-25.00	32.11	Horizontal
6	14819.5	37.14	-36.95	40.24	-54.83	-25.00	29.83	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3495.5	45.78	-48.30	28.70	-69.08	-25.00	44.08	Vertical
2	5153	44.71	-47.86	31.87	-66.54	-25.00	41.54	Vertical
3	7225	44.40	-46.19	36.14	-60.91	-25.00	35.91	Vertical
4	9900	40.65	-42.11	38.41	-58.31	-25.00	33.31	Vertical
5	14729	37.20	-36.73	40.32	-54.47	-25.00	29.47	Vertical
6	17986	36.52	-36.58	45.21	-50.11	-25.00	25.11	Vertical



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Test Band = NR CA n7A-n25A_ TM1
Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3870	46.05	-48.26	29.22	-68.25	-25.00	43.25	Horizontal
2	5351	44.97	-47.75	32.34	-65.70	-25.00	40.70	Horizontal
3	6693.5	44.54	-46.58	34.93	-62.38	-25.00	37.38	Horizontal
4	8800	42.55	-43.99	37.32	-59.38	-25.00	34.38	Horizontal
5	11357	39.12	-40.24	39.33	-57.05	-25.00	32.05	Horizontal
6	14783	37.06	-36.82	40.27	-54.75	-25.00	29.75	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3818.5	45.14	-48.20	29.15	-69.17	-25.00	44.17	Vertical
2	5596	45.54	-47.70	32.72	-64.70	-25.00	39.70	Vertical
3	8405.5	42.36	-44.12	36.77	-60.25	-25.00	35.25	Vertical
4	11214.5	39.10	-40.36	39.36	-57.16	-25.00	32.16	Vertical
5	12751	38.62	-39.29	38.75	-57.18	-25.00	32.18	Vertical
6	17976	36.23	-36.56	45.15	-50.45	-25.00	25.45	Vertical



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Test Band = NR CA n7A-n25A_ TM1
Test Channel = High Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4332	45.25	-47.89	30.00	-67.90	-25.00	42.90	Horizontal
2	7058.5	43.95	-46.15	35.74	-61.72	-25.00	36.72	Horizontal
3	9309	41.89	-42.90	37.88	-58.39	-25.00	33.39	Horizontal
4	12102.5	38.43	-39.63	39.14	-57.33	-25.00	32.33	Horizontal
5	14732	37.60	-36.73	40.31	-54.08	-25.00	29.08	Horizontal
6	17826	36.74	-37.17	44.19	-51.50	-25.00	26.50	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3774.5	45.30	-48.26	29.08	-69.14	-25.00	44.14	Vertical
2	5436	45.00	-47.68	32.55	-65.39	-25.00	40.39	Vertical
3	7023	44.31	-46.42	35.66	-61.72	-25.00	36.72	Vertical
4	7669	43.63	-45.01	36.60	-60.04	-25.00	35.04	Vertical
5	10436	39.63	-41.03	38.89	-57.77	-25.00	32.77	Vertical
6	14831	37.64	-37.01	40.24	-54.40	-25.00	29.40	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

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N25	15	20	DFT-PI2BPSK	M	Outer_Full	VH	NT	-5.700000	-0.003028	PASS
N25	15	20	DFT-PI2BPSK	M	Outer_Full	VN	NT	0.600000	0.000319	PASS
N25	15	20	DFT-PI2BPSK	M	Outer_Full	VL	NT	-3.100000	-0.001647	PASS
N25	15	20	CP-QPSK	M	Outer_Full	VH	NT	-5.900000	-0.003134	PASS
N25	15	20	CP-QPSK	M	Outer_Full	VN	NT	-0.600000	-0.000319	PASS
N25	15	20	CP-QPSK	M	Outer_Full	VL	NT	-4.800000	-0.002550	PASS

Frequency Error VS. Temperature

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N25	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-30	0.100000	0.000053	PASS
N25	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-20	2.800000	0.001487	PASS
N25	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-10	1.300000	0.000691	PASS
N25	15	20	DFT-PI2BPSK	M	Outer_Full	NV	0	-2.000000	-0.001062	PASS
N25	15	20	DFT-PI2BPSK	M	Outer_Full	NV	10	-2.500000	-0.001328	PASS
N25	15	20	DFT-PI2BPSK	M	Outer_Full	NV	20	-2.900000	-0.001541	PASS
N25	15	20	DFT-PI2BPSK	M	Outer_Full	NV	30	-0.900000	-0.000478	PASS
N25	15	20	DFT-PI2BPSK	M	Outer_Full	NV	40	-0.500000	-0.000266	PASS
N25	15	20	DFT-	M	Outer_Full	NV	50	-0.200000	-0.000106	PASS



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			PI2BPSK							
N25	15	20	CP-QPSK	M	Outer_Full	NV	-30	-3.300000	-0.001753	PASS
N25	15	20	CP-QPSK	M	Outer_Full	NV	-20	-8.100000	-0.004303	PASS
N25	15	20	CP-QPSK	M	Outer_Full	NV	-10	-4.300000	-0.002284	PASS
N25	15	20	CP-QPSK	M	Outer_Full	NV	0	-1.600000	-0.000850	PASS
N25	15	20	CP-QPSK	M	Outer_Full	NV	10	-4.500000	-0.002390	PASS
N25	15	20	CP-QPSK	M	Outer_Full	NV	20	-0.900000	-0.000478	PASS
N25	15	20	CP-QPSK	M	Outer_Full	NV	30	-2.300000	-0.001222	PASS
N25	15	20	CP-QPSK	M	Outer_Full	NV	40	-3.000000	-0.001594	PASS
N25	15	20	CP-QPSK	M	Outer_Full	NV	50	-6.000000	-0.003187	PASS

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