

Test Band = NR CA 2A\_n77A 3700-3980\_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	4843.5	44.90	-45.23	32.44	-63.15	-13.00	50.15	211	296	Horizontal
2	5671.8333	46.66	-44.86	33.28	-60.18	-13.00	47.18	148	84	Horizontal
3	7669.1667	40.64	-42.95	36.52	-61.05	-13.00	48.05	185	67	Horizontal
4	8402.4167	39.74	-41.55	37.34	-59.73	-13.00	46.73	196	296	Horizontal
5	10496	33.83	-38.60	38.96	-61.08	-13.00	48.08	251	231	Horizontal
6	12223.25	30.83	-37.11	39.12	-62.42	-13.00	49.42	142	148	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	5671.8333	50.00	-44.86	33.28	-56.84	-13.00	43.84	211	0	Vertical
2	6655.9167	41.90	-43.64	35.55	-61.44	-13.00	48.44	196	99	Vertical
3	7343.6667	43.42	-43.43	36.52	-58.75	-13.00	45.75	154	164	Vertical
4	8417	39.31	-41.55	37.37	-60.13	-13.00	47.13	184	164	Vertical
5	10122.0833	34.75	-39.06	38.69	-60.89	-13.00	47.89	111	68	Vertical
6	13605.1667	29.45	-35.68	40.15	-61.34	-13.00	48.34	136	0	Vertical



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Test Band = NR CA 2A\_n77A 3700-3980\_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	4917	43.56	-45.15	32.65	-64.20	-13.00	51.20	215	312	Horizontal
2	7165.1667	40.82	-43.57	36.51	-61.50	-13.00	48.50	145	329	Horizontal
3	7439.3333	41.28	-43.16	36.47	-60.67	-13.00	47.67	188	182	Horizontal
4	8594.9167	39.35	-41.41	37.74	-59.58	-13.00	46.58	169	84	Horizontal
5	10546.75	35.46	-38.63	39.01	-59.42	-13.00	46.42	122	357	Horizontal
6	14768.3333	32.01	-35.00	39.70	-58.55	-13.00	45.55	236	197	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	5233.1667	43.16	-45.09	32.96	-64.23	-13.00	51.23	218	246	Vertical
2	6666.4167	41.49	-43.54	35.57	-61.74	-13.00	48.74	174	230	Vertical
3	7343.6667	43.76	-43.43	36.52	-58.41	-13.00	45.41	169	165	Vertical
4	8376.75	40.13	-41.65	37.30	-59.47	-13.00	46.47	153	261	Vertical
5	10338.5	36.04	-39.06	38.84	-59.43	-13.00	46.43	251	66	Vertical
6	10338.5	36.04	-39.06	38.84	-59.43	-13.00	46.43	145	66	Vertical



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Test Band = NR CA 5A\_n77A 3700-3980\_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	5547	41.89	-44.91	32.96	-65.31	-13.00	52.31	215	329	Horizontal
2	6804.6667	40.93	-43.93	35.85	-62.41	-13.00	49.41	144	54	Horizontal
3	8427.5	36.86	-41.55	37.39	-62.56	-13.00	49.56	136	282	Horizontal
4	9472.8333	33.86	-40.00	38.47	-62.93	-13.00	49.93	256	250	Horizontal
5	12796.0833	25.90	-36.73	39.62	-66.47	-13.00	53.47	291	215	Horizontal
6	13882.25	25.96	-35.41	40.03	-64.67	-13.00	51.67	148	233	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	49.10	-45.23	32.44	-58.95	-13.00	45.95	126	54	Vertical
2	5956.5	41.35	-44.63	34.05	-64.49	-13.00	51.49	254	280	Vertical
3	7343.6667	39.07	-43.43	36.52	-63.10	-13.00	50.10	148	166	Vertical
4	9415.0833	33.41	-39.64	38.49	-63.01	-13.00	50.01	196	0	Vertical
5	10466.8333	28.44	-38.76	38.93	-66.66	-13.00	53.66	155	0	Vertical
6	13797.6667	25.94	-36.18	39.96	-65.54	-13.00	52.54	133	311	Vertical



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Report No.: SEWA2303000029RG02

Rev.: 01

Page: 167 of 188

**Test Band = NR CA 5A\_n77A 3700-3980\_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	5551.6667	41.90	-44.90	32.97	-65.30	-13.00	52.30	248	103	Horizontal
2	6991.9167	39.38	-43.26	36.07	-63.07	-13.00	50.07	185	54	Horizontal
3	8464.25	36.27	-41.55	37.46	-63.08	-13.00	50.08	174	199	Horizontal
4	10570.6667	27.74	-38.66	39.03	-67.15	-13.00	54.15	136	0	Horizontal
5	12796.0833	26.10	-36.73	39.62	-66.27	-13.00	53.27	256	232	Horizontal
6	15411.1667	24.30	-33.95	38.69	-66.22	-13.00	53.22	219	168	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	5486.3333	42.10	-44.94	32.89	-65.21	-13.00	52.21	174	4	Vertical
2	6700.25	39.87	-43.24	35.64	-62.99	-13.00	49.99	125	40	Vertical
3	7969	37.10	-42.42	36.97	-63.61	-13.00	50.61	136	183	Vertical
4	9556.8333	33.17	-39.52	38.45	-63.16	-13.00	50.16	256	249	Vertical
5	11324.9167	27.72	-37.47	39.11	-65.90	-13.00	52.90	211	87	Vertical
6	13759.1667	25.80	-36.16	40.00	-65.62	-13.00	52.62	149	357	Vertical



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Report No.: SEWA2303000029RG02

Rev.: 01

Page: 168 of 188

Test Band = NR CA 5A\_n77A 3700-3980\_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	4978.25	42.21	-45.31	32.82	-65.54	-13.00	52.54	211	357	Horizontal
2	7148.25	39.07	-43.70	36.47	-63.42	-13.00	50.42	145	357	Horizontal
3	8023.8333	36.37	-42.08	37.02	-63.95	-13.00	50.95	185	266	Horizontal
4	10000.1667	30.23	-39.42	38.49	-65.96	-13.00	52.96	126	166	Horizontal
5	12226.75	25.93	-37.11	39.12	-67.31	-13.00	54.31	236	99	Horizontal
6	15356.9167	24.42	-33.88	38.76	-65.96	-13.00	52.96	251	297	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	5748.25	40.65	-44.72	33.56	-65.77	-13.00	52.77	255	64	Vertical
2	7187.3333	39.15	-43.39	36.57	-62.93	-13.00	49.93	148	166	Vertical
3	9482.1667	34.21	-40.06	38.47	-62.64	-13.00	49.64	186	330	Vertical
4	10673.3333	26.94	-38.31	39.12	-67.51	-13.00	54.51	256	2	Vertical
5	13608.6667	24.40	-35.69	40.14	-66.41	-13.00	53.41	236	49	Vertical
6	14530.9167	24.14	-34.98	39.99	-66.11	-13.00	53.11	259	263	Vertical



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Test Band = NR CA 7A\_n77A 3700-3980\_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	4386	41.91	-45.78	31.48	-67.65	-13.00	54.65	254	359	Horizontal
2	5051.25	44.56	-45.50	32.91	-63.29	-13.00	50.29	136	120	Horizontal
3	6589.5	40.40	-44.38	35.40	-63.84	-13.00	50.84	256	302	Horizontal
4	6990.75	39.75	-43.60	36.07	-63.04	-13.00	50.04	215	242	Horizontal
5	9459	34.01	-40.07	38.48	-62.84	-13.00	49.84	148	30	Horizontal
6	13710.75	26.36	-36.19	40.04	-65.04	-13.00	52.04	185	182	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	5051.25	48.31	-45.50	32.91	-59.54	-13.00	46.54	214	46	Vertical
2	6067.5	40.99	-44.57	34.15	-64.69	-13.00	51.69	136	360	Vertical
3	6981	39.99	-43.65	36.06	-62.87	-13.00	49.87	256	195	Vertical
4	8441.25	37.22	-41.52	37.42	-62.14	-13.00	49.14	291	14	Vertical
5	9474	33.93	-40.13	38.47	-62.98	-13.00	49.98	184	150	Vertical
6	17858.25	27.91	-34.56	41.24	-60.67	-13.00	47.67	155	105	Vertical



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Report No.: SEWA2303000029RG02

Rev.: 01

Page: 170 of 188

Test Band = NR CA 7A\_n77A 3700-3980\_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	4418.25	42.26	-45.80	31.53	-67.27	-13.00	54.27	251	30	Horizontal
2	4843.5	44.71	-45.54	32.44	-63.64	-13.00	50.64	123	30	Horizontal
3	5989.5	41.10	-44.84	34.11	-64.89	-13.00	51.89	269	359	Horizontal
4	6609	40.15	-44.30	35.46	-63.95	-13.00	50.95	296	59	Horizontal
5	7576.5	42.53	-42.98	36.40	-59.31	-13.00	46.31	285	120	Horizontal
6	9058.5	34.44	-40.62	38.24	-63.20	-13.00	50.20	142	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	4218.75	43.10	-45.73	31.14	-66.75	-13.00	53.75	255	29	Vertical
2	5051.25	47.31	-45.50	32.91	-60.54	-13.00	47.54	130	43	Vertical
3	6526.5	40.32	-44.54	35.14	-64.34	-13.00	51.34	215	150	Vertical
4	7016.25	39.79	-43.66	36.12	-63.01	-13.00	50.01	145	342	Vertical
5	9487.5	34.21	-40.18	38.47	-62.76	-13.00	49.76	186	4	Vertical
6	13713	26.03	-36.19	40.04	-65.38	-13.00	52.38	291	43	Vertical



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Test Band = NR CA 7A\_n77A 3700-3980\_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	4531.5	43.18	-45.70	31.64	-66.14	-13.00	53.14	284	26	Horizontal
2	5051.25	44.43	-45.50	32.91	-63.42	-13.00	50.42	174	43	Horizontal
3	6759	40.07	-44.02	35.76	-63.45	-13.00	50.45	156	283	Horizontal
4	7576.5	41.28	-42.98	36.40	-60.56	-13.00	47.56	291	13	Horizontal
5	11334.75	28.20	-37.40	39.11	-65.35	-13.00	52.35	144	359	Horizontal
6	13377	25.46	-36.44	40.12	-66.12	-13.00	53.12	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	4244.25	42.49	-45.67	31.19	-67.25	-13.00	54.25	255	118	Vertical
2	5714.25	40.88	-44.84	33.44	-65.78	-13.00	52.78	145	357	Vertical
3	6527.25	40.39	-44.54	35.14	-64.27	-13.00	51.27	186	177	Vertical
4	7656	39.45	-43.04	36.50	-62.35	-13.00	49.35	291	134	Vertical
5	9442.5	33.98	-40.00	38.48	-62.80	-13.00	49.80	142	329	Vertical
6	11316	27.83	-37.41	39.11	-65.73	-13.00	52.73	222	268	Vertical



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Test Band = NR CA 12A\_n77A 3700-3980\_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	2187.4286	44.62	-47.68	27.30	-71.03	-13.00	58.03	215	0	Horizontal
2	2729.7143	43.47	-47.01	28.35	-70.45	-13.00	57.45	136	164	Horizontal
3	3492	43.73	-46.54	29.51	-68.56	-13.00	55.56	256	335	Horizontal
4	4218.8571	43.27	-45.93	31.14	-66.78	-13.00	53.78	145	322	Horizontal
5	5940.5714	41.05	-44.75	34.02	-64.94	-13.00	51.94	125	20	Horizontal
6	6754.8571	39.46	-44.09	35.75	-64.14	-13.00	51.14	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	1874.8571	45.43	-48.02	25.88	-71.97	-13.00	58.97	254	185	Vertical
2	2388	43.89	-47.46	27.43	-71.39	-13.00	58.39	185	41	Vertical
3	3001.7143	43.29	-46.52	29.35	-69.14	-13.00	56.14	145	359	Vertical
4	3125.1429	47.24	-46.63	29.56	-65.10	-13.00	52.10	136	349	Vertical
5	4844	48.82	-45.61	32.44	-59.61	-13.00	46.61	259	314	Vertical
6	7187.4286	38.79	-43.91	36.57	-63.82	-13.00	50.82	155	185	Vertical



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**Test Band = NR CA 12A\_n77A 3700-3980\_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	2031.4286	45.54	-47.84	26.75	-70.81	-13.00	57.81	248	295	Horizontal
2	2350.8571	43.88	-47.47	27.42	-71.44	-13.00	58.44	169	151	Horizontal
3	2992.5714	43.48	-46.52	29.32	-68.99	-13.00	55.99	185	335	Horizontal
4	3170.8571	43.46	-46.42	29.63	-68.59	-13.00	55.59	142	357	Horizontal
5	4218.8571	43.24	-45.93	31.14	-66.81	-13.00	53.81	136	322	Horizontal
6	4889.7143	42.74	-45.59	32.57	-65.53	-13.00	52.53	222	295	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	59.67	-48.12	25.40	-58.31	-13.00	45.31	284	195	Vertical
2	2187.4286	44.65	-47.68	27.30	-71.00	-13.00	58.00	175	130	Vertical
3	2812.5714	44.10	-46.88	28.53	-69.50	-13.00	56.50	145	325	Vertical
4	3125.1429	46.92	-46.63	29.56	-65.42	-13.00	52.42	136	347	Vertical
5	4029.1429	42.09	-46.11	30.84	-68.44	-13.00	55.44	259	208	Vertical
6	4531.4286	46.55	-45.66	31.64	-62.73	-13.00	49.73	155	51	Vertical



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Test Band = NR CA 12A\_n77A 3700-3980\_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	1718.8571	57.26	-48.12	25.40	-60.72	-13.00	47.72	254	60	Horizontal
2	2302.2857	43.88	-47.50	27.39	-71.49	-13.00	58.49	136	1	Horizontal
3	2656	44.12	-47.00	28.21	-69.93	-13.00	56.93	259	307	Horizontal
4	3125.1429	50.24	-46.63	29.56	-62.10	-13.00	49.10	188	163	Horizontal
5	5036	41.63	-45.66	32.90	-66.39	-13.00	53.39	145	281	Horizontal
6	5982.2857	40.61	-44.53	34.10	-65.08	-13.00	52.08	180	215	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	59.40	-48.12	25.40	-58.58	-13.00	45.58	284	195	Vertical
2	2242.2857	44.23	-47.60	27.36	-71.27	-13.00	58.27	175	195	Vertical
3	3125.1429	47.48	-46.63	29.56	-64.86	-13.00	51.86	136	349	Vertical
4	3482.2857	43.49	-46.54	29.50	-68.81	-13.00	55.81	259	181	Vertical
5	4531.4286	45.96	-45.66	31.64	-63.32	-13.00	50.32	144	50	Vertical
6	6610.2857	39.71	-44.45	35.46	-64.54	-13.00	51.54	150	79	Vertical



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Test Band = NR CA 25A\_n77A 3700-3980\_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	8404.6875	40.09	-41.55	37.34	-59.38	-13.00	46.38	211	243	Horizontal
2	9646.2083	37.75	-39.17	38.39	-58.29	-13.00	45.29	236	4	Horizontal
3	9646.2083	37.75	-39.17	38.39	-58.29	-13.00	45.29	251	4	Horizontal
4	11197.2708	35.19	-37.57	39.11	-58.53	-13.00	45.53	148	159	Horizontal
5	13677.9167	34.19	-36.03	40.08	-57.03	-13.00	44.03	196	306	Horizontal
6	16460.9167	34.38	-33.61	37.84	-56.65	-13.00	43.65	185	209	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	3753.4375	36.31	-21.52	30.16	-50.30	-13.00	37.30	248	14	Vertical
2	4964.8125	24.90	-19.65	32.78	-57.23	-13.00	44.23	145	90	Vertical
3	5898.4375	28.25	-18.74	33.94	-51.82	-13.00	38.82	195	7	Vertical
4	7343.8125	43.44	-43.43	36.52	-58.73	-13.00	45.73	184	198	Vertical
5	9609.3125	36.76	-39.06	38.43	-59.13	-13.00	46.13	175	63	Vertical
6	12502.0417	34.63	-36.65	39.18	-58.10	-13.00	45.10	125	352	Vertical



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Test Band = NR CA 25A\_n77A 3700-3980\_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	7656.2292	41.50	-42.95	36.50	-60.21	-13.00	47.21	248	304	Horizontal
2	8806.7083	38.90	-40.94	38.08	-59.22	-13.00	46.22	174	208	Horizontal
3	10458.3958	36.28	-38.81	38.92	-58.87	-13.00	45.87	156	191	Horizontal
4	11144.5625	35.12	-37.62	39.10	-58.66	-13.00	45.66	192	63	Horizontal
5	13842.2708	34.28	-35.78	40.00	-56.76	-13.00	43.76	145	360	Horizontal
6	13842.2708	34.28	-35.78	40.00	-56.76	-13.00	43.76	136	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	7343.8125	43.68	-43.43	36.52	-58.49	-13.00	45.49	247	177	Vertical
2	9287.3125	38.42	-40.11	38.41	-58.54	-13.00	45.54	148	356	Vertical
3	11203.5	35.56	-37.57	39.11	-58.16	-13.00	45.16	156	18	Vertical
4	13491.5208	33.81	-36.91	40.15	-58.21	-13.00	45.21	144	18	Vertical
5	13710.0208	34.56	-36.14	40.05	-56.80	-13.00	43.80	152	276	Vertical
6	14429.7292	32.67	-34.45	40.06	-56.98	-13.00	43.98	188	18	Vertical



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Report No.: SEWA2303000029RG02

Rev.: 01

Page: 177 of 188

**Test Band = NR CA 25A\_n77A 3700-3980\_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	7418.5625	41.85	-43.22	36.48	-60.15	-13.00	47.15	245	360	Horizontal
2	8851.75	39.18	-41.02	38.11	-58.99	-13.00	45.99	188	194	Horizontal
3	9977.7917	36.93	-39.36	38.46	-59.23	-13.00	46.23	136	178	Horizontal
4	10708.5208	35.93	-38.19	39.15	-58.38	-13.00	45.38	256	258	Horizontal
5	12458.4375	34.51	-36.97	39.13	-58.59	-13.00	45.59	291	275	Horizontal
6	13486.25	34.05	-36.90	40.15	-57.96	-13.00	44.96	145	325	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	7656.2292	45.43	-42.95	36.50	-56.28	-13.00	43.28	244	179	Vertical
2	9320.8542	38.22	-39.97	38.43	-58.58	-13.00	45.58	186	32	Vertical
3	11093.7708	35.59	-37.67	39.09	-58.25	-13.00	45.25	191	196	Vertical
4	13506.375	34.34	-36.86	40.15	-57.63	-13.00	44.63	145	344	Vertical
5	14377.5	33.14	-34.68	40.10	-56.70	-13.00	43.70	156	16	Vertical
6	14494.8958	32.60	-34.75	40.01	-57.39	-13.00	44.39	231	163	Vertical



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Test Band = NR CA 41A\_n77A 3700-3980\_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	7414.825	38.57	-42.85	36.48	-63.05	-13.00	50.05	254	133	Horizontal
2	8421.075	37.08	-41.46	37.37	-62.27	-13.00	49.27	136	117	Horizontal
3	9416.975	32.98	-39.93	38.49	-63.72	-13.00	50.72	256	164	Horizontal
4	11244.9	25.86	-36.88	39.11	-67.17	-13.00	54.17	291	326	Horizontal
5	13853.675	24.50	-35.89	40.01	-66.64	-13.00	53.64	145	208	Horizontal
6	15770.725	23.69	-33.12	38.24	-66.45	-13.00	53.45	258	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	8421.075	36.55	-41.46	37.37	-62.80	-13.00	49.80	245	360	Vertical
2	8537.8	35.26	-41.46	37.62	-63.84	-13.00	50.84	169	360	Vertical
3	10022.45	29.84	-39.23	38.53	-66.12	-13.00	53.12	184	238	Vertical
4	11219.6	25.48	-36.72	39.11	-67.39	-13.00	54.39	145	238	Vertical
5	13768.575	24.80	-36.17	39.99	-66.64	-13.00	53.64	125	103	Vertical
6	13768.575	24.80	-36.17	39.99	-66.64	-13.00	53.64	211	103	Vertical



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Test Band = NR CA 41A\_n77A 3700-3980\_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	7398.725	38.23	-42.80	36.49	-63.34	-13.00	50.34	245	89	Horizontal
2	8533.775	35.98	-41.49	37.61	-63.16	-13.00	50.16	122	360	Horizontal
3	9468.725	32.90	-39.95	38.47	-63.83	-13.00	50.83	236	352	Horizontal
4	11227.075	25.61	-36.77	39.11	-67.31	-13.00	54.31	142	89	Horizontal
5	12859.5	24.98	-36.77	39.69	-67.36	-13.00	54.36	185	103	Horizontal
6	12859.5	24.98	-36.77	39.69	-67.36	-13.00	54.36	169	103	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	7656.325	40.18	-42.86	36.50	-61.44	-13.00	48.44	245	298	Vertical
2	9549.8	32.82	-39.58	38.45	-63.57	-13.00	50.57	222	238	Vertical
3	9989.1	29.56	-39.36	38.48	-66.59	-13.00	53.59	256	359	Vertical
4	11225.35	25.51	-36.76	39.11	-67.40	-13.00	54.40	148	269	Vertical
5	12821.55	24.65	-36.67	39.65	-67.63	-13.00	54.63	195	163	Vertical
6	15186.525	23.49	-33.86	38.97	-66.66	-13.00	53.66	172	120	Vertical



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Report No.: SEWA2303000029RG02

Rev.: 01

Page: 180 of 188

Test Band = NR CA 41A\_n77A 3700-3980\_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	7440.7	37.98	-42.94	36.47	-63.76	-13.00	50.76	254	42	Horizontal
2	8481.45	36.25	-41.72	37.50	-63.23	-13.00	50.23	136	349	Horizontal
3	10057.525	29.47	-38.99	38.58	-66.20	-13.00	53.20	259	191	Horizontal
4	11398.425	25.61	-37.51	39.11	-68.05	-13.00	55.05	184	360	Horizontal
5	13762.825	24.55	-36.15	40.00	-66.87	-13.00	53.87	175	73	Horizontal
6	14501.7	22.93	-34.25	40.01	-66.57	-13.00	53.57	144	73	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	7656.325	39.14	-42.86	36.50	-62.48	-13.00	49.48	184	133	Vertical
2	9515.875	33.12	-39.84	38.46	-63.52	-13.00	50.52	211	359	Vertical
3	10078.8	28.72	-38.84	38.62	-66.77	-13.00	53.77	148	104	Vertical
4	11394.975	25.66	-37.50	39.11	-67.99	-13.00	54.99	100	14	Vertical
5	12765.775	25.22	-36.69	39.57	-67.16	-13.00	54.16	142	30	Vertical
6	13957.75	23.76	-35.11	40.10	-66.51	-13.00	53.51	233	268	Vertical



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Test Band = NR CA 66A\_n77A 3700-3980\_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	8430.275	36.61	-41.50	37.39	-62.76	-13.00	49.76	254	103	Horizontal
2	9485.4	32.68	-39.95	38.47	-64.07	-13.00	51.07	136	267	Horizontal
3	11226.5	25.60	-36.77	39.11	-67.32	-13.00	54.32	251	283	Horizontal
4	12827.875	24.74	-36.69	39.66	-67.55	-13.00	54.55	126	163	Horizontal
5	13847.925	24.43	-35.92	40.00	-66.75	-13.00	53.75	251	356	Horizontal
6	15793.725	23.39	-33.07	38.21	-66.74	-13.00	53.74	188	208	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	8402.675	36.37	-41.38	37.34	-62.94	-13.00	49.94	184	224	Vertical
2	9477.35	32.46	-39.95	38.47	-64.28	-13.00	51.28	152	357	Vertical
3	10667.025	25.41	-37.66	39.11	-68.40	-13.00	55.40	136	46	Vertical
4	12200.55	24.19	-37.11	39.13	-69.05	-13.00	56.05	259	360	Vertical
5	13823.775	24.29	-36.09	39.98	-67.08	-13.00	54.08	188	135	Vertical
6	15821.9	24.19	-33.29	38.16	-66.20	-13.00	53.20	174	313	Vertical



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Test Band = NR CA 66A\_n77A 3700-3980\_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	7778.225	36.39	-42.66	36.74	-64.79	-13.00	51.79	215	4	Horizontal
2	8412.45	36.51	-41.42	37.36	-62.82	-13.00	49.82	136	352	Horizontal
3	9421.575	32.82	-39.93	38.48	-63.88	-13.00	50.88	251	121	Horizontal
4	9628.575	29.68	-39.28	38.41	-66.45	-13.00	53.45	152	299	Horizontal
5	11275.375	25.75	-37.07	39.11	-67.47	-13.00	54.47	163	164	Horizontal
6	12828.45	24.87	-36.69	39.66	-67.42	-13.00	54.42	266	46	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	7045.1	39.83	-43.29	36.20	-62.52	-13.00	49.52	214	282	Vertical
2	8484.325	35.96	-41.73	37.51	-63.53	-13.00	50.53	136	87	Vertical
3	9473.325	32.78	-39.95	38.47	-63.96	-13.00	50.96	256	43	Vertical
4	10118.475	27.73	-38.81	38.68	-67.66	-13.00	54.66	144	73	Vertical
5	11323.1	25.35	-37.29	39.11	-68.09	-13.00	55.09	158	360	Vertical
6	13864.6	24.18	-35.81	40.02	-66.87	-13.00	53.87	195	192	Vertical



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Report No.: SEWA2303000029RG02  
 Rev.: 01  
 Page: 183 of 188

**Test Band = NR CA 66A\_n77A 3700-3980\_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	7136.525	39.07	-43.64	36.43	-63.40	-13.00	50.40	248	30	Horizontal
2	7853.55	36.56	-42.67	36.84	-64.52	-13.00	51.52	175	164	Horizontal
3	8410.15	36.68	-41.41	37.35	-62.64	-13.00	49.64	145	208	Horizontal
4	9421	32.73	-39.93	38.48	-63.97	-13.00	50.97	136	194	Horizontal
5	12093.025	24.69	-37.19	39.04	-68.71	-13.00	55.71	259	59	Horizontal
6	16969.025	25.49	-33.81	38.48	-65.09	-13.00	52.09	291	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	7343.525	39.91	-43.09	36.52	-61.92	-13.00	48.92	245	209	Vertical
2	8419.925	36.25	-41.46	37.37	-63.09	-13.00	50.09	136	239	Vertical
3	8948.925	34.10	-40.89	38.17	-63.88	-13.00	50.88	255	59	Vertical
4	9464.7	32.81	-39.95	38.47	-63.92	-13.00	50.92	142	209	Vertical
5	10364.575	27.23	-38.81	38.85	-67.99	-13.00	54.99	169	328	Vertical
6	11249.5	26.03	-36.91	39.11	-67.03	-13.00	54.03	211	224	Vertical



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Test Band = NR CA 71A\_n77A 3700-3980\_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	7544.775	36.80	-42.98	36.42	-65.02	-13.00	52.02	214	42	Horizontal
2	9425.6	31.59	-39.93	38.48	-65.12	-13.00	52.12	136	328	Horizontal
3	11214.425	23.61	-36.69	39.11	-69.23	-13.00	56.23	256	29	Horizontal
4	12712.875	23.30	-36.80	39.48	-69.29	-13.00	56.29	144	268	Horizontal
5	14522.975	21.49	-34.49	39.99	-68.26	-13.00	55.26	125	178	Horizontal
6	16343.425	25.96	-34.62	37.69	-66.23	-13.00	53.23	199	42	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	7343.525	37.88	-43.09	36.52	-63.95	-13.00	50.95	245	207	Vertical
2	8930.525	32.65	-40.90	38.16	-65.35	-13.00	52.35	185	359	Vertical
3	10083.4	26.92	-38.81	38.62	-68.53	-13.00	55.53	136	3	Vertical
4	11330	24.23	-37.31	39.11	-69.23	-13.00	56.23	144	297	Vertical
5	13674.275	22.80	-36.00	40.08	-68.38	-13.00	55.38	126	360	Vertical
6	14503.425	22.40	-34.27	40.01	-67.12	-13.00	54.12	195	207	Vertical



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Test Band = NR CA 71A\_n77A 3700-3980\_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	7656.325	37.04	-42.86	36.50	-64.58	-13.00	51.58	145	116	Horizontal
2	8409	35.73	-41.41	37.35	-63.59	-13.00	50.59	122	251	Horizontal
3	9480.225	31.61	-39.95	38.47	-65.13	-13.00	52.13	256	360	Horizontal
4	10614.7	24.45	-37.93	39.07	-69.67	-13.00	56.67	291	237	Horizontal
5	12829.025	23.92	-36.69	39.66	-68.37	-13.00	55.37	145	102	Horizontal
6	15158.925	22.80	-34.06	39.01	-67.51	-13.00	54.51	186	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	7656.325	37.85	-42.86	36.50	-63.77	-13.00	50.77	214	133	Vertical
2	8944.9	33.04	-40.89	38.17	-64.95	-13.00	51.95	156	313	Vertical
3	10064.425	27.22	-38.94	38.59	-68.39	-13.00	55.39	291	73	Vertical
4	12242.525	23.17	-36.91	39.12	-69.88	-13.00	56.88	153	29	Vertical
5	14495.375	21.87	-34.27	40.01	-67.65	-13.00	54.65	266	43	Vertical
6	15326.825	23.04	-33.96	38.80	-67.38	-13.00	54.38	254	161	Vertical



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**Test Band = NR CA 71A\_n77A 3700-3980\_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	8422.8	35.64	-41.47	37.38	-63.71	-13.00	50.71	245	4	Horizontal
2	8939.725	33.13	-40.89	38.16	-64.86	-13.00	51.86	136	4	Horizontal
3	10692.325	24.03	-37.53	39.13	-69.63	-13.00	56.63	256	313	Horizontal
4	12053.925	23.60	-37.19	39.01	-69.83	-13.00	56.83	291	359	Horizontal
5	14516.65	22.06	-34.42	40.00	-67.62	-13.00	54.62	145	254	Horizontal
6	15158.925	22.75	-34.06	39.01	-67.56	-13.00	54.56	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	7968.55	35.29	-42.32	36.97	-65.32	-13.00	52.32	245	208	Vertical
2	8940.3	32.97	-40.89	38.16	-65.02	-13.00	52.02	126	360	Vertical
3	10109.85	27.46	-38.76	38.67	-67.89	-13.00	54.89	236	326	Vertical
4	12224.7	23.64	-36.99	39.12	-69.49	-13.00	56.49	255	148	Vertical
5	14490.2	22.00	-34.31	40.02	-67.56	-13.00	54.56	185	360	Vertical
6	15777.05	23.53	-33.11	38.23	-66.61	-13.00	53.61	146	360	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
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	VH	NT	1.100000	0.000286	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	VN	NT	-0.200000	-0.000052	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	VL	NT	-4.300000	-0.001120	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	VH	NT	-4.900000	-0.001276	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	VN	NT	-17.800000	-0.004635	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	VL	NT	-7.300000	-0.001901	PASS



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Report No.: SEWA2303000029RG02

Rev.: 01

Page: 188 of 188

**Frequency Error VS. Temperature**

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-30	5.700000	0.001484	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-20	3.700000	0.000964	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-10	1.100000	0.000286	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	0	1.700000	0.000443	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	10	-3.300000	-0.000859	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	20	1.800000	0.000469	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	30	-0.400000	-0.000104	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	40	-2.000000	-0.000521	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	50	1.700000	0.000443	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	-30	-1.000000	-0.000260	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	-20	-2.500000	-0.000651	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	-10	-6.000000	-0.001563	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	0	-2.900000	-0.000755	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	10	-6.200000	-0.001615	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	20	-1.900000	-0.000495	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	30	-3.000000	-0.000781	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	40	0.000000	0.000000	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	50	2.900000	0.000755	PASS

---End of Attachment---



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