Test Band = NR CA 2A_n41A_ 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	4275.75	41.91	-45.60	31.26	-67.69	-13.00	54.69	215	46	Horizontal
2	5611.5	43.33	-45.04	33.06	-63.91	-13.00	50.91	148	151	Horizontal
3	7263.75	40.13	-43.63	36.56	-62.20	-13.00	49.20	156	286	Horizontal
4	8407.5	38.75	-41.46	37.35	-60.63	-13.00	47.63	136	331	Horizontal
5	11253.75	33.25	-37.41	39.11	-60.31	-13.00	47.31	259	242	Horizontal
6	13891.5	30.35	-35.53	40.04	-60.40	-13.00	47.40	188	210	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	3492	42.96	-46.26	29.51	-69.05	-25.00	44.05	214	357	Vertical
2	5156.25	46.62	-45.32	32.97	-60.99	-25.00	35.99	155	181	Vertical
3	7344	41.22	-43.60	36.52	-61.12	-25.00	36.12	169	211	Vertical
4	9319.5	36.18	-40.14	38.43	-60.79	-25.00	35.79	195	332	Vertical
5	12901.5	31.58	-37.11	39.73	-61.06	-25.00	36.06	148	59	Vertical
6	14313	31.83	-35.98	40.15	-59.27	-25.00	34.27	175	76	Vertical

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Member of the SGS Group (SGS SA)

Test Band = NR CA 2A_n41A_ 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	3709.5	41.96	-45.54	30.00	-68.84	-25.00	43.84	236	136	Horizontal
2	4843.5	45.14	-45.54	32.44	-63.21	-25.00	38.21	251	31	Horizontal
3	5412	41.55	-45.29	32.81	-66.19	-25.00	41.19	145	31	Horizontal
4	6680.25	40.27	-43.92	35.60	-63.31	-25.00	38.31	156	136	Horizontal
5	8381.25	39.44	-41.56	37.31	-60.07	-25.00	35.07	295	226	Horizontal
6	10710	34.11	-37.95	39.15	-59.96	-25.00	34.96	144	108	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	4062.75	43.11	-45.86	30.89	-67.12	-25.00	42.12	255	165	Vertical
2	5205.75	41.37	-45.27	32.98	-66.17	-25.00	41.17	146	196	Vertical
3	7207.5	39.83	-43.44	36.60	-62.28	-25.00	37.28	145	270	Vertical
4	8483.25	38.83	-41.59	37.50	-60.52	-25.00	35.52	192	3	Vertical
5	11214.75	33.30	-37.39	39.11	-60.24	-25.00	35.24	188	17	Vertical
6	12087.75	31.07	-37.38	39.04	-62.53	-25.00	37.53	176	211	Vertical

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Member of the SGS Group (SGS SA)

Test Band = NR CA 5A_n41A_ 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	1650.1800	27.99	-24.81	25.37	-66.71	-25.00	41.71	217	10	Horizontal
2	2475.2700	28.86	-23.55	27.69	-62.26	-25.00	37.26	184	29	Horizontal
3	3300.3600	42.80	-46.46	29.55	-69.36	-25.00	44.36	156	135	Horizontal
4	5002.2000	40.88	-45.63	32.88	-67.13	-25.00	42.13	211	0	Horizontal
5	7503.3000	36.57	-43.13	36.44	-65.38	-25.00	40.38	298	242	Horizontal
6	10004.4000	28.49	-39.23	38.50	-67.51	-25.00	42.51	264	357	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1650.1800	28.00	-24.81	25.37	-66.70	-25.00	41.70	274	117	Vertical
2	2475.2700	29.94	-23.55	27.69	-61.18	-25.00	36.18	192	206	Vertical
3	3300.3600	42.78	-46.46	29.55	-69.38	-25.00	44.38	266	32	Vertical
4	5002.2000	41.00	-45.63	32.88	-67.01	-25.00	42.01	284	357	Vertical
5	7503.3000	35.84	-43.13	36.44	-66.11	-25.00	41.11	152	153	Vertical
6	10004.4000	27.96	-39.23	38.50	-68.04	-25.00	43.04	205	182	Vertical

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Member of the SGS Group (SGS SA)

Test Band = NR CA 5A_n41A_ 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	1655.1800	27.90	-24.80	25.37	-66.79	-25.00	41.79	129	127	Horizontal
2	2482.7700	28.68	-23.55	27.71	-62.41	-25.00	37.41	296	206	Horizontal
3	3310.3600	42.69	-46.44	29.54	-69.47	-25.00	44.47	284	47	Horizontal
4	5096.1600	40.43	-45.38	32.93	-67.28	-25.00	42.28	150	287	Horizontal
5	7644.2400	35.11	-43.02	36.48	-66.69	-25.00	41.69	122	287	Horizontal
6	10192.3200	25.09	-39.47	38.80	-70.84	-25.00	45.84	135	287	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	1655.1800	28.19	-24.80	25.37	-66.50	-25.00	41.50	278	347	Vertical
2	2482.7700	28.53	-23.55	27.71	-62.56	-25.00	37.56	149	9	Vertical
3	3310.3600	42.53	-46.44	29.54	-69.63	-25.00	44.63	294	18	Vertical
4	5096.1600	39.13	-45.38	32.93	-68.58	-25.00	43.58	185	257	Vertical
5	7644.2400	35.53	-43.02	36.48	-66.27	-25.00	41.27	152	181	Vertical
6	10192.3200	25.82	-39.47	38.80	-70.11	-25.00	45.11	135	212	Vertical

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Test Band = NR CA 5A_n41A_ 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	1660.1800	28.19	-24.79	25.37	-66.49	-25.00	41.49	277	215	Horizontal
2	2490.2700	28.44	-23.54	27.74	-62.62	-25.00	37.62	141	9	Horizontal
3	3320.3600	42.05	-46.42	29.53	-70.10	-25.00	45.10	152	76	Horizontal
4	5190.1800	39.91	-45.29	32.98	-67.65	-25.00	42.65	198	242	Horizontal
5	7785.2700	34.28	-42.43	36.75	-66.65	-25.00	41.65	165	76	Horizontal
6	10380.3600	25.70	-39.03	38.86	-69.73	-25.00	44.73	216	3	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	1660.1800	28.41	-24.79	25.37	-66.27	-25.00	41.27	298	282	Vertical
2	2490.2700	28.44	-23.54	27.74	-62.62	-25.00	37.62	186	174	Vertical
3	3320.3600	42.77	-46.42	29.53	-69.38	-25.00	44.38	246	272	Vertical
4	5190.1800	39.14	-45.29	32.98	-68.42	-25.00	43.42	235	166	Vertical
5	7785.2700	35.90	-42.43	36.75	-65.03	-25.00	40.03	277	303	Vertical
6	10380.3600	26.24	-39.03	38.86	-69.19	-25.00	44.19	142	0	Vertical

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Test Band = NR CA 12A_n41A_ 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	1946.2857	44.02	-47.98	26.32	-72.91	-25.00	47.91	255	202	Horizontal
2	2248	44.16	-47.59	27.36	-71.33	-25.00	46.33	142	215	Horizontal
3	2836	43.72	-46.79	28.64	-69.70	-25.00	44.70	199	1	Horizontal
4	4100.5714	41.66	-45.90	30.95	-68.55	-25.00	43.55	156	0	Horizontal
5	5456.5714	41.37	-45.07	32.86	-66.09	-25.00	41.09	136	295	Horizontal
6	6676.5714	39.59	-44.16	35.59	-64.24	-25.00	39.24	281	126	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	1540.5714	44.41	-48.30	25.43	-73.72	-25.00	48.72	236	183	Vertical
2	1936	44.19	-48.00	26.25	-72.81	-25.00	47.81	145	63	Vertical
3	2500	45.13	-47.27	27.77	-69.63	-25.00	44.63	125	157	Vertical
4	3949.7143	41.89	-46.22	30.68	-68.90	-25.00	43.90	199	360	Vertical
5	5468.5714	40.86	-45.09	32.88	-66.61	-25.00	41.61	152	221	Vertical
6	6038.8571	40.63	-44.53	34.14	-65.02	-25.00	40.02	188	354	Vertical

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Test Band = NR CA 12A_n41A_ 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	1874.8571	45.80	-48.02	25.88	-71.60	-25.00	46.60	284	309	Horizontal
2	2366.2857	43.93	-47.47	27.42	-71.37	-25.00	46.37	174	60	Horizontal
3	3125.1429	50.20	-46.63	29.56	-62.14	-25.00	37.14	156	165	Horizontal
4	3844	41.59	-46.19	30.43	-69.43	-25.00	44.43	136	46	Horizontal
5	4844	46.34	-45.61	32.44	-62.09	-25.00	37.09	251	34	Horizontal
6	5481.1429	40.76	-45.11	32.89	-66.72	-25.00	41.72	199	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	2031.4286	47.35	-47.84	26.75	-69.00	-25.00	44.00	254	208	Vertical
2	2894.2857	43.06	-46.59	28.89	-69.90	-25.00	44.90	126	64	Vertical
3	3702.8571	41.41	-46.15	29.98	-70.02	-25.00	45.02	136	3	Vertical
4	4737.7143	40.86	-45.74	32.13	-68.01	-25.00	43.01	256	349	Vertical
5	5734.2857	40.24	-44.60	33.51	-66.11	-25.00	41.11	291	339	Vertical
6	6328	40.06	-44.65	34.47	-65.38	-25.00	40.38	144	90	Vertical

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Member of the SGS Group (SGS SA)

Test Band = NR CA 12A_n41A_ 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	2031.4286	46.64	-47.84	26.75	-69.71	-25.00	44.71	213	285	Horizontal
2	2312	43.36	-47.49	27.40	-72.00	-25.00	47.00	165	1	Horizontal
3	3048	43.69	-46.63	29.43	-68.77	-25.00	43.77	142	112	Horizontal
4	4088	42.21	-45.94	30.93	-68.05	-25.00	43.05	185	244	Horizontal
5	5156	40.77	-45.16	32.97	-66.69	-25.00	41.69	142	349	Horizontal
6	6586.2857	39.51	-44.51	35.38	-64.88	-25.00	39.88	130	206	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	2055.4286	44.08	-47.79	26.83	-72.14	-25.00	47.14	255	300	Vertical
2	2492	43.65	-47.28	27.74	-71.15	-25.00	46.15	142	79	Vertical
3	2882.8571	43.63	-46.63	28.84	-69.42	-25.00	44.42	136	358	Vertical
4	3777.1429	41.35	-46.16	30.25	-69.82	-25.00	44.82	256	4	Vertical
5	4843.4286	49.23	-45.61	32.44	-59.20	-25.00	34.20	215	65	Vertical
6	6780	39.20	-44.11	35.80	-64.37	-25.00	39.37	199	300	Vertical

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Member of the SGS Group (SGS SA)

Test Band = NR CA 25A_n41A_ 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	3627	41.94	-45.96	29.71	-69.57	-25.00	44.57	216	326	Horizontal
2	4843.5	44.03	-45.54	32.44	-64.32	-25.00	39.32	236	103	Horizontal
3	6453	39.03	-44.52	34.84	-65.91	-25.00	40.91	215	298	Horizontal
4	8401.5	35.76	-41.45	37.33	-63.62	-25.00	38.62	145	351	Horizontal
5	11397	26.32	-37.37	39.11	-67.20	-25.00	42.20	195	179	Horizontal
6	13374	24.17	-36.46	40.12	-67.43	-25.00	42.43	185	356	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	4430.25	41.13	-45.79	31.54	-68.38	-25.00	43.38	215	162	Vertical
2	4972.5	40.94	-45.61	32.80	-67.13	-25.00	42.13	166	350	Vertical
3	5866.5	40.32	-44.90	33.88	-65.96	-25.00	40.96	145	162	Vertical
4	7656	38.66	-43.04	36.50	-63.14	-25.00	38.14	185	324	Vertical
5	10020.75	29.39	-39.22	38.52	-66.56	-25.00	41.56	146	58	Vertical
6	11316	26.54	-37.41	39.11	-67.02	-25.00	42.02	133	192	Vertical

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Test Band = NR CA 25A_n41A_ 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	3975.75	41.36	-46.10	30.74	-69.26	-25.00	44.26	215	300	Horizontal
2	4739.25	40.73	-45.58	32.13	-67.97	-25.00	42.97	136	14	Horizontal
3	6024	39.94	-44.74	34.14	-65.92	-25.00	40.92	256	359	Horizontal
4	7578.75	36.63	-42.97	36.40	-65.20	-25.00	40.20	148	60	Horizontal
5	9561	32.70	-39.89	38.45	-64.00	-25.00	39.00	195	74	Horizontal
6	11397	25.74	-37.37	39.11	-67.78	-25.00	42.78	222	300	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	3945	41.69	-46.17	30.67	-69.07	-25.00	44.07	254	120	Vertical
2	5431.5	40.92	-45.28	32.83	-66.79	-25.00	41.79	156	360	Vertical
3	7069.5	38.39	-44.01	36.26	-64.62	-25.00	39.62	129	13	Vertical
4	9636	30.35	-39.59	38.40	-66.10	-25.00	41.10	198	357	Vertical
5	12798	24.92	-36.83	39.63	-67.54	-25.00	42.54	147	165	Vertical
6	13365	24.01	-36.51	40.11	-67.65	-25.00	42.65	186	300	Vertical

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Test Band = NR CA 25A_n41A_ 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	3644.25	41.65	-45.85	29.77	-69.69	-25.00	44.69	215	360	Horizontal
2	4380.75	41.01	-45.77	31.47	-68.55	-25.00	43.55	165	360	Horizontal
3	5567.25	40.47	-45.13	32.98	-66.93	-25.00	41.93	145	350	Horizontal
4	7226.25	37.26	-43.51	36.59	-64.92	-25.00	39.92	128	328	Horizontal
5	9465.75	32.65	-40.09	38.47	-64.23	-25.00	39.23	155	207	Horizontal
6	12214.5	24.66	-37.48	39.13	-68.95	-25.00	43.95	168	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	3749.25	43.66	-45.71	30.15	-67.16	-25.00	42.16	215	360	Vertical
2	4843.5	47.91	-45.54	32.44	-60.44	-25.00	35.44	136	316	Vertical
3	5466.75	40.33	-45.26	32.87	-67.32	-25.00	42.32	251	135	Vertical
4	7656	37.70	-43.04	36.50	-64.10	-25.00	39.10	125	209	Vertical
5	9428.25	32.71	-39.94	38.48	-64.01	-25.00	39.01	144	209	Vertical
6	12721.5	24.53	-36.71	39.49	-67.95	-25.00	42.95	185	316	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
N41	30	100	DFT-PI2BPSK	M	Outer_Full	VH	NT	-1.400000	-0.000540	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	VN	NT	-0.200000	-0.000077	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	VL	NT	-1.000000	-0.000386	PASS
N41	30	100	CP-QPSK	M	Outer_Full	VH	NT	-1.800000	-0.000694	PASS
N41	30	100	CP-QPSK	M	Outer_Full	VN	NT	-1.300000	-0.000501	PASS
N41	30	100	CP-QPSK	M	Outer_Full	VL	NT	-7.300000	-0.002815	PASS

Frequency Error VS. Temperature

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-30	-0.400000	-0.000154	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-20	-0.100000	-0.000039	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-10	-1.000000	-0.000386	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	0	-2.200000	-0.000848	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	10	-0.400000	-0.000154	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	20	0.300000	0.000116	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	30	-1.800000	-0.000694	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	40	2.300000	0.000887	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	50	0.400000	0.000154	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	-30	-7.300000	-0.002815	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	-20	2.200000	0.000848	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	-10	-2.800000	-0.001080	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	0	-1.000000	-0.000386	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	10	-7.400000	-0.002854	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	20	-2.700000	-0.001041	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	30	-7.500000	-0.002892	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	40	-1.700000	-0.000656	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	50	1.700000	0.000656	PASS

---End of Attachment---

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