

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										
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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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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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