



Test Band = NR N5A_N66A_ TM1

Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3810.75	40.71	-45.96	28.91	-71.60	-13.00	58.60	Horizontal
2	4962	41.34	-45.60	31.32	-68.20	-13.00	55.20	Horizontal
3	6020.25	40.12	-44.75	32.76	-67.13	-13.00	54.13	Horizontal
4	7578	37.54	-42.98	36.63	-64.07	-13.00	51.07	Horizontal
5	11421.75	29.48	-37.36	38.74	-64.39	-13.00	51.39	Horizontal
6	13858.5	26.62	-35.84	40.65	-63.84	-13.00	50.84	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3801.75	41.36	-45.93	28.90	-70.92	-13.00	57.92	Vertical
2	4559.25	41.42	-45.69	30.43	-69.10	-13.00	56.10	Vertical
3	5475.75	40.96	-45.25	32.54	-67.01	-13.00	54.01	Vertical
4	7813.5	37.25	-42.38	36.73	-63.66	-13.00	50.66	Vertical
5	10062.75	31.96	-39.16	38.23	-64.23	-13.00	51.23	Vertical
6	14446.5	25.09	-34.82	41.08	-63.91	-13.00	50.91	Vertical



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Test Band = NR N5A_N66A_TM1

Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3651	41.69	-45.81	28.75	-70.63	-13.00	57.63	Horizontal
2	4582.5	41.15	-45.68	30.48	-69.31	-13.00	56.31	Horizontal
3	5535	40.53	-45.18	32.61	-67.30	-13.00	54.30	Horizontal
4	6687.75	39.21	-43.88	34.64	-65.29	-13.00	52.29	Horizontal
5	8973.75	35.30	-41.06	36.31	-64.71	-13.00	51.71	Horizontal
6	12715.5	27.00	-36.70	39.01	-65.95	-13.00	52.95	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4239.75	42.17	-45.68	29.68	-69.09	-13.00	56.09	Vertical
2	5205	40.47	-45.27	31.89	-68.17	-13.00	55.17	Vertical
3	5695.5	40.57	-44.86	32.64	-66.91	-13.00	53.91	Vertical
4	6988.5	39.20	-43.61	35.18	-64.49	-13.00	51.49	Vertical
5	8548.5	36.71	-41.48	36.53	-63.50	-13.00	50.50	Vertical
6	11349	29.22	-37.40	38.73	-64.70	-13.00	51.70	Vertical



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Test Band = NR N5A_N66A_TM1

Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3514.5	42.42	-46.24	28.61	-70.47	-13.00	57.47	Horizontal
2	4591.5	41.00	-45.67	30.50	-69.43	-13.00	56.43	Horizontal
3	4890	41.84	-45.53	31.16	-67.79	-13.00	54.79	Horizontal
4	7421.25	38.61	-43.35	36.38	-63.62	-13.00	50.62	Horizontal
5	11219.25	29.46	-37.40	38.72	-64.47	-13.00	51.47	Horizontal
6	13775.25	27.33	-36.34	40.50	-63.78	-13.00	50.78	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4275	41.77	-45.60	29.76	-69.33	-13.00	56.33	Vertical
2	6213	39.97	-44.73	33.38	-66.64	-13.00	53.64	Vertical
3	6666.75	40.02	-43.99	34.60	-64.63	-13.00	51.63	Vertical
4	8013.75	37.08	-42.21	36.79	-63.60	-13.00	50.60	Vertical
5	9645.75	33.47	-39.56	37.53	-63.83	-13.00	50.83	Vertical
6	11425.5	29.39	-37.35	38.74	-64.48	-13.00	51.48	Vertical



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Test Band = NR N48A_N66A_TM1

Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7429.2	39.68	-42.90	36.40	-62.08	-40.00	22.08	Horizontal
2	8952.95	36.76	-40.89	36.32	-63.07	-40.00	23.07	Horizontal
3	9602.125	34.55	-39.21	37.44	-62.47	-40.00	22.47	Horizontal
4	11141.975	30.50	-37.27	38.71	-63.31	-40.00	23.31	Horizontal
5	12223.55	28.57	-37.00	38.87	-64.82	-40.00	24.82	Horizontal
6	13701.3	28.23	-35.99	40.36	-62.66	-40.00	22.66	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7784.55	39.15	-42.64	36.71	-62.03	-40.00	22.03	Vertical
2	8933.4	36.74	-40.90	36.33	-63.08	-40.00	23.08	Vertical
3	10348.475	32.43	-38.85	38.37	-63.30	-40.00	23.30	Vertical
4	11150.025	30.25	-37.17	38.72	-63.47	-40.00	23.47	Vertical
5	12085.55	28.47	-37.19	38.83	-65.15	-40.00	25.15	Vertical
6	13906.575	27.81	-35.52	40.73	-62.24	-40.00	22.24	Vertical



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Test Band = NR N48A_N66A_TM1

Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7448.75	39.26	-42.98	36.46	-62.52	-40.00	22.52	Horizontal
2	8595.3	35.92	-40.93	36.50	-63.77	-40.00	23.77	Horizontal
3	9434.8	34.36	-39.93	37.13	-63.71	-40.00	23.71	Horizontal
4	10344.45	30.97	-38.86	38.37	-64.78	-40.00	24.78	Horizontal
5	11522.05	26.77	-36.61	38.75	-66.35	-40.00	26.35	Horizontal
6	13377.575	26.32	-36.28	39.78	-65.44	-40.00	25.44	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7825.375	38.71	-42.62	36.73	-62.44	-40.00	22.44	Vertical
2	9611.325	33.61	-39.23	37.46	-63.42	-40.00	23.42	Vertical
3	10671.05	29.83	-37.64	38.54	-64.54	-40.00	24.54	Vertical
4	12220.1	28.11	-37.02	38.87	-65.30	-40.00	25.30	Vertical
5	13751.9	27.03	-36.12	40.45	-63.90	-40.00	23.90	Vertical
6	14494.225	25.18	-34.28	41.10	-63.26	-40.00	23.26	Vertical



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Test Band = NR N48A_N66A_TM1

Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7590.775	38.66	-42.78	36.64	-62.74	-40.00	22.74	Horizontal
2	9412.375	34.60	-39.92	37.08	-63.50	-40.00	23.50	Horizontal
3	10341	31.17	-38.87	38.37	-64.59	-40.00	24.59	Horizontal
4	11493.875	27.74	-36.57	38.75	-65.34	-40.00	25.34	Horizontal
5	12834.775	27.02	-36.71	39.05	-65.90	-40.00	25.90	Horizontal
6	15154.9	25.60	-34.08	40.97	-62.77	-40.00	22.77	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7445.875	39.25	-42.96	36.45	-62.53	-40.00	22.53	Vertical
2	9383.05	34.10	-39.95	37.03	-64.08	-40.00	24.08	Vertical
3	10119.05	31.83	-38.81	38.26	-63.98	-40.00	23.98	Vertical
4	11230.525	29.08	-36.79	38.72	-64.25	-40.00	24.25	Vertical
5	13910.025	26.35	-35.49	40.74	-63.66	-40.00	23.66	Vertical
6	15361.9	25.89	-34.01	40.54	-62.84	-40.00	22.84	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

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N66	15	40	DFT-PI2BPSK	M	Outer_Full	VH	NT	-0.600000	-0.000263	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	VN	NT	-1.700000	-0.001126	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	VL	NT	-2.500000	-0.001456	PASS
N66	15	40	CP-QPSK	M	Outer_Full	VH	NT	-1.900000	-0.002635	PASS
N66	15	40	CP-QPSK	M	Outer_Full	VN	NT	-2.700000	-0.001237	PASS
N66	15	40	CP-QPSK	M	Outer_Full	VL	NT	-1.200000	-0.002363	PASS

Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	-30	1.600000	0.002354	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	-20	-2.700000	-0.001635	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	-10	0.700000	0.000263	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	0	1.500000	0.001253	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	10	4.700000	0.002598	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	20	-0.600000	-0.002563	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	30	2.400000	0.001359	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	40	-0.600000	-0.001568	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	50	0.500000	0.000239	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	-30	-1.200000	-0.001263	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	-20	0.120000	0.002365	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	-10	-1.600000	-0.002357	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	0	-1.600000	-0.002354	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	10	0.900000	0.002386	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	20	-2.200000	-0.001365	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	30	1.300000	0.000536	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	40	-0.500000	-0.000263	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	50	0.800000	0.000241	PASS

---End of Attachment---



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