

Report No.: SUCR240100001702

Rev.: 01

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Test Band = NSA_B7+n78 3700-3800
Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5066	35.32	-12.26	31.57	-40.63	-13.00	27.63	Horizontal
2	7402.06	52.74	-38.51	36.70	-44.33	-13.00	31.33	Horizontal
3	7598.48	53.08	-38.47	36.79	-43.86	-13.00	30.86	Horizontal
4	11103.22	48.37	-35.55	40.20	-42.24	-13.00	29.24	Horizontal
5	12664.46	50.94	-34.89	38.90	-40.31	-13.00	27.31	Horizontal
6	14803.92	46.68	-31.27	41.58	-38.27	-13.00	25.27	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5065.5	41.61	-12.26	31.57	-34.34	-13.00	21.34	Vertical
2	7402.06	63.82	-38.51	36.70	-33.25	-13.00	20.25	Vertical
3	7598.48	52.23	-38.47	36.79	-44.71	-13.00	31.71	Vertical
4	10131.24	46.42	-35.78	38.77	-45.85	-13.00	32.85	Vertical
5	12664	50.95	-34.89	38.90	-40.30	-13.00	27.30	Vertical
6	16462.68	41.02	-28.51	39.11	-43.64	-13.00	30.64	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

2) All antennas of RSE are tested, and only the worst data is presented.



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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
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	VH	NT	0.400000	0.000107	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	VN	NT	2.800000	0.000747	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	VL	NT	-4.600000	-0.001227	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	VH	NT	-5.500000	-0.001467	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	VN	NT	-4.400000	-0.001173	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	VL	NT	-9.000000	-0.002400	PASS



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Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-30	-2.300000	-0.000613	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-20	2.400000	0.000640	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-10	0.800000	0.000213	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	0	-1.900000	-0.000507	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	10	-1.700000	-0.000453	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	20	7.100000	0.001893	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	30	6.300000	0.001680	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	40	-0.900000	-0.000240	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	50	4.000000	0.001067	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	NV	-30	-6.400000	-0.001707	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	NV	-20	-3.600000	-0.000960	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	NV	-10	5.500000	0.001467	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	NV	0	2.600000	0.000693	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	NV	10	-7.000000	-0.001867	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	NV	20	-7.600000	-0.002027	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	NV	30	1.600000	0.000427	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	NV	40	7.900000	0.002107	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	NV	50	-2.200000	-0.000587	PASS

---End of Attachment---



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