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Rev.: 01

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Test Band = NR Band 77 3700~3980_ TM1_Ant12
Test Channel = High Channel _100MHz

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	9571.4583	37.74	-37.87	38.54	-56.85	-13.00	43.85	249	212	Horizontal
2	10228.3958	36.49	-36.67	38.75	-56.69	-13.00	43.69	163	196	Horizontal
3	13593.5833	34.41	-34.38	39.96	-55.28	-13.00	42.28	258	0	Horizontal
4	7770.18	38.07	-41.00	37.04	-61.15	-13.00	48.15	174	44	Horizontal
5	11655.27	30.58	-35.22	38.94	-60.95	-13.00	47.95	152	160	Horizontal
6	15540.36	30.66	-33.41	38.50	-59.51	-13.00	46.51	138	248	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	9581.5208	37.97	-37.84	38.54	-56.59	-13.00	43.59	149	306	Vertical
2	13588.3125	34.64	-34.36	39.95	-55.03	-13.00	42.03	206	0	Vertical
3	17330.6042	32.63	-31.77	39.92	-54.48	-13.00	41.48	134	46	Vertical
4	7770.18	37.29	-41.00	37.04	-61.93	-13.00	48.93	175	1	Vertical
5	11655.27	30.94	-35.22	38.94	-60.59	-13.00	47.59	186	344	Vertical
6	15540.36	31.35	-33.41	38.50	-58.82	-13.00	45.82	277	0	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	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	VH	NT	1.600000	0.000269	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	VN	NT	-0.900000	-0.000126	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	VL	NT	-4.500000	-0.001362	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	VH	NT	-4.100000	-0.002364	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	VN	NT	-17.900000	-0.004658	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	VL	NT	-7.500000	-0.001362	PASS

Frequency Error VS. Temperature

Temperature										
Band	SCS	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-30	-4.600000	-0.001023	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-20	-5.200000	-0.001352	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-10	-4.300000	-0.001412	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	0	-7.500000	-0.001635	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	10	-9.500000	-0.002523	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	20	-12.200000	-0.002635	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	30	-6.500000	-0.001123	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	40	-7.900000	-0.002057	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	50	-5.500000	-0.001432	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	-30	-10.500000	-0.002734	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	-20	-9.800000	-0.002552	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	-10	-9.100000	-0.002370	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	0	-12.800000	-0.003333	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	10	-8.500000	-0.002214	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	20	-7.600000	-0.001979	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	30	-7.400000	-0.001927	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	40	-11.600000	-0.003021	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	50	-10.100000	-0.002630	PASS

---End of Attachment---



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