

Test Band = DC_13A_n66A_TM1

Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3441	59.79	-45.83	29.42	-51.88	-13.00	38.88	296	164	Horizontal
2	5161.5	55.54	-44.20	32.60	-51.32	-13.00	38.32	265	150	Horizontal
3	6882	50.81	-42.45	35.96	-50.94	-13.00	37.94	285	117	Horizontal
4	8602.5	41.21	-39.81	38.16	-55.70	-13.00	42.70	241	314	Horizontal
5	10266.54	33.30	-36.74	38.79	-59.90	-13.00	46.90	142	150	Horizontal
6	11977.63	31.43	-35.32	38.62	-60.52	-13.00	47.52	255	100	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	3441	67.67	-45.83	29.42	-44.00	-13.00	31.00	296	46	Vertical
2	5161.5	62.00	-44.20	32.60	-44.86	-13.00	31.86	265	181	Vertical
3	6882	60.97	-42.45	35.96	-40.78	-13.00	27.78	284	229	Vertical
4	8602.5	49.80	-39.81	38.16	-47.11	-13.00	34.11	255	313	Vertical
5	10266.54	33.61	-36.74	38.79	-59.59	-13.00	46.59	263	163	Vertical
6	11977.63	31.62	-35.32	38.62	-60.33	-13.00	47.33	201	96	Vertical



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Test Band = DC_13A_n66A_TM1

Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3471	60.50	-45.76	29.41	-51.11	-13.00	38.11	296	167	Horizontal
2	5206.5	52.48	-44.14	32.60	-54.32	-13.00	41.32	265	8	Horizontal
3	6942	49.64	-42.50	36.08	-52.03	-13.00	39.03	241	231	Horizontal
4	8680.45	35.09	-39.46	38.25	-61.38	-13.00	48.38	142	100	Horizontal
5	10416.54	30.81	-36.46	38.96	-61.95	-13.00	48.95	256	0	Horizontal
6	12152.63	31.12	-35.22	38.75	-60.61	-13.00	47.61	265	8	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	3471	65.32	-45.76	29.41	-46.29	-13.00	33.29	174	32	Vertical
2	5206.5	59.18	-44.14	32.60	-47.62	-13.00	34.62	145	163	Vertical
3	6942	58.25	-42.50	36.08	-43.42	-13.00	30.42	265	230	Vertical
4	8677.5	46.93	-39.47	38.25	-49.56	-13.00	36.56	295	313	Vertical
5	10416.54	30.76	-36.46	38.96	-62.00	-13.00	49.00	284	9	Vertical
6	12152.63	31.24	-35.22	38.75	-60.49	-13.00	47.49	142	357	Vertical



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Test Band = DC_13A_n66A_TM1
Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3521.25	62.18	-45.59	29.45	-49.22	-13.00	36.22	296	162	Horizontal
2	5281.5	54.80	-44.04	32.60	-51.90	-13.00	38.90	265	344	Horizontal
3	7042.5	50.36	-42.54	36.23	-51.21	-13.00	38.21	241	49	Horizontal
4	8802.75	39.94	-39.11	38.38	-56.05	-13.00	43.05	142	261	Horizontal
5	10566.54	33.48	-36.24	39.12	-58.89	-13.00	45.89	255	3	Horizontal
6	12327.63	30.91	-35.09	38.93	-60.51	-13.00	47.51	286	49	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	3521.25	68.34	-45.59	29.45	-43.06	-13.00	30.06	296	38	Vertical
2	5281.5	61.56	-44.04	32.60	-45.14	-13.00	32.14	265	168	Vertical
3	7042.5	56.71	-42.54	36.23	-44.86	-13.00	31.86	244	230	Vertical
4	8802.75	51.23	-39.11	38.38	-44.76	-13.00	31.76	142	314	Vertical
5	10566.54	32.76	-36.24	39.12	-59.61	-13.00	46.61	255	280	Vertical
6	12327.63	31.08	-35.09	38.93	-60.34	-13.00	47.34	263	117	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	-4.200000	-0.002407	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	VN	NT	-4.700000	-0.002693	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	VL	NT	2.300000	0.001318	PASS
N66	15	40	CP-QPSK	M	Outer_Full	VH	NT	-2.600000	-0.001490	PASS
N66	15	40	CP-QPSK	M	Outer_Full	VN	NT	-3.200000	-0.001834	PASS
N66	15	40	CP-QPSK	M	Outer_Full	VL	NT	-0.200000	-0.000115	PASS



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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	-0.300000	-0.000172	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	-20	-0.800000	-0.000458	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	-10	1.500000	0.000860	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	0	0.400000	0.000229	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	10	-0.200000	-0.000115	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	20	-1.100000	-0.000630	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	30	-0.700000	-0.000401	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	40	-2.600000	-0.001490	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	50	-0.300000	-0.000172	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	-30	-1.100000	-0.000630	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	-20	-1.300000	-0.000745	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	-10	-2.100000	-0.001203	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	0	-0.300000	-0.000172	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	10	-1.300000	-0.000745	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	20	-2.500000	-0.001433	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	30	0.300000	0.000172	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	40	-2.600000	-0.001490	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	50	-3.400000	-0.001948	PASS

---End of Attachment---



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