



Appendix B.18

NR CA_n77C(3450-3550)



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Effective (Isotropic) Radiated Power Output Data for SA

Test Result

ANT3

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power	EIRP	LIMIT	Verdict
N77C	30	40+60	DFT-QPSK	631334+634662	Inner_1RB_Left	21.63	19.33	30	PASS
N77C	30	40+60	DFT-QPSK	631334+634662	Inner_1RB_Right	21.54	19.24	30	PASS
N77C	30	40+60	DFT-QPSK	631334+634662	Outer_Full	19.86	17.56	30	PASS
N77C	30	40+60	DFT-256QAM	631334+634662	Inner_1RB_Left	17.81	15.51	30	PASS
N77C	30	40+60	DFT-256QAM	631334+634662	Inner_1RB_Right	17.72	15.42	30	PASS
N77C	30	40+60	DFT-256QAM	631334+634662	Outer_Full	17.39	15.09	30	PASS



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26dB Bandwidth and Occupied Bandwidth for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
77	30	40+60	DFT-QPSK	631334+634662	Outer_Full	97.21	99.48	PASS
77	30	40+60	DFT-QPSK	631334+634662	Outer_Full	96.84	100.4	PASS

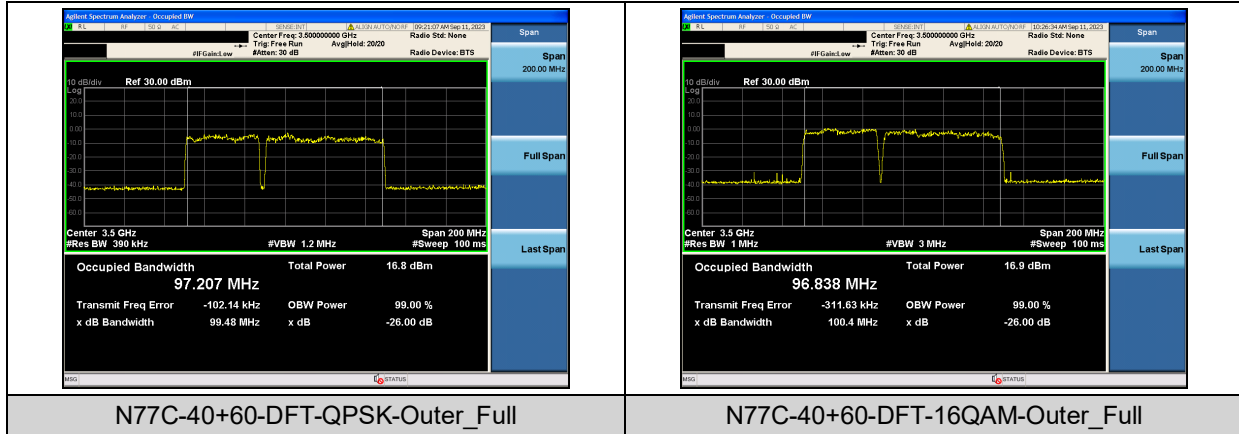


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Occupied Bandwidth Test Graphs



N77C-40+60-DFT-QPSK-Outer_Full

N77C-40+60-DFT-16QAM-Outer_Full



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Field Strength of Spurious Radiation

Test Band = NR Band77C_ TM1

Test Channel = Mid 3450-3550

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7383.775	39.27	-42.88	36.27	-62.59	-13.00	49.59	Horizontal
2	8402.1	37.60	-41.38	36.60	-62.44	-13.00	49.44	Horizontal
3	9599.25	34.28	-39.21	37.44	-62.75	-13.00	49.75	Horizontal
4	10472.675	31.60	-38.75	38.44	-63.97	-13.00	50.97	Horizontal
5	11881.425	27.07	-37.32	38.79	-66.72	-13.00	53.72	Horizontal
6	13915.2	26.73	-35.45	40.75	-63.23	-13.00	50.23	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	8019.15	37.83	-41.98	36.79	-62.62	-13.00	49.62	Vertical
2	9556.7	34.92	-39.53	37.36	-62.51	-13.00	49.51	Vertical
3	10598.6	30.67	-38.02	38.50	-64.11	-13.00	51.11	Vertical
4	11579.55	26.33	-36.88	38.76	-67.06	-13.00	54.06	Vertical
5	12823.85	27.53	-36.68	39.05	-65.36	-13.00	52.36	Vertical
6	14507.45	25.46	-34.31	41.10	-63.01	-13.00	50.01	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) - Pre-amplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

---End of Attachment---



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