

Appendix A: Test Results of Output Power

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Appendix A1 RF Power Output and Effective (Isotropic) Radiated Power Output Data
Test Results
GPRS/EDGE

Band	Modulation	Channel	Slot	Result (dBm)	ERP		Limit (watts)	Verdict
					dBm	Watts		
GPRS850	GMSK	128	1	32.21	32.06	1.607	7	PASS
GPRS850	GMSK	190	1	32.01	31.87	1.538	7	PASS
GPRS850	GMSK	251	1	31.94	31.79	1.510	7	PASS
EGPRS850	8PSK	128	1	26.52	26.37	0.434	7	PASS
EGPRS850	8PSK	190	1	26.63	26.48	0.445	7	PASS
EGPRS850	8PSK	251	1	26.75	26.22	0.419	7	PASS

Band	Modulation	Channel	Slot	Result (dBm)	EIRP		Limit (watts)	Verdict
					dBm	Watts		
GPRS1900	GMSK	512	1	29.69	31.69	1.476	2	PASS
GPRS1900	GMSK	661	1	29.45	31.45	1.396	2	PASS
GPRS1900	GMSK	810	1	29.50	31.50	1.413	2	PASS
EGPRS1900	8PSK	512	1	25.98	27.98	0.628	2	PASS
EGPRS1900	8PSK	661	1	25.79	27.79	0.601	2	PASS
EGPRS1900	8PSK	810	1	25.82	27.82	0.605	2	PASS

NB-IoT

Band	OpMode	SCS	BW	Modu	Channel	Tones	Result (dBm)	Verdict
Band2	Stand-Alone	3.75kHz	NaN	BPSK	18601	1@0	22.54	PASS
Band2	Stand-Alone	3.75kHz	NaN	BPSK	18601	1@47	22.49	PASS
Band2	Stand-Alone	3.75kHz	NaN	QPSK	18601	1@0	22.55	PASS
Band2	Stand-Alone	3.75kHz	NaN	QPSK	18601	1@47	22.58	PASS
Band2	Stand-Alone	3.75kHz	NaN	BPSK	18900	1@0	22.50	PASS
Band2	Stand-Alone	3.75kHz	NaN	BPSK	18900	1@47	22.44	PASS
Band2	Stand-Alone	3.75kHz	NaN	QPSK	18900	1@0	22.56	PASS
Band2	Stand-Alone	3.75kHz	NaN	QPSK	18900	1@47	22.49	PASS
Band2	Stand-Alone	3.75kHz	NaN	BPSK	19199	1@0	22.43	PASS
Band2	Stand-Alone	3.75kHz	NaN	BPSK	19199	1@47	22.39	PASS
Band2	Stand-Alone	3.75kHz	NaN	QPSK	19199	1@0	22.32	PASS
Band2	Stand-Alone	3.75kHz	NaN	QPSK	19199	1@47	22.48	PASS
Band2	Stand-Alone	15kHz	NaN	BPSK	18601	1@0	22.11	PASS
Band2	Stand-Alone	15kHz	NaN	BPSK	18601	1@11	22.12	PASS
Band2	Stand-Alone	15kHz	NaN	BPSK	18601	3@3	24.15	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	18601	1@0	22.18	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	18601	1@11	22.19	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	18601	3@3	22.82	PASS
Band2	Stand-Alone	15kHz	NaN	BPSK	18900	1@0	21.08	PASS
Band2	Stand-Alone	15kHz	NaN	BPSK	18900	1@11	21.18	PASS
Band2	Stand-Alone	15kHz	NaN	BPSK	18900	3@3	22.98	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	18900	1@0	21.24	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	18900	1@11	21.24	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	18900	3@3	22.59	PASS
Band2	Stand-Alone	15kHz	NaN	BPSK	19199	1@0	21.13	PASS
Band2	Stand-Alone	15kHz	NaN	BPSK	19199	1@11	21.07	PASS
Band2	Stand-Alone	15kHz	NaN	BPSK	19199	3@3	22.82	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	19199	1@0	21.22	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	19199	1@11	21.16	PASS
Band2	Stand-Alone	15kHz	NaN	QPSK	19199	3@3	22.63	PASS
Band5	Stand-Alone	3.75kHz	NaN	BPSK	20401	1@0	22.04	PASS
Band5	Stand-Alone	3.75kHz	NaN	BPSK	20401	1@47	22.33	PASS
Band5	Stand-Alone	3.75kHz	NaN	QPSK	20401	1@0	22.01	PASS
Band5	Stand-Alone	3.75kHz	NaN	QPSK	20401	1@47	22.32	PASS
Band5	Stand-Alone	3.75kHz	NaN	BPSK	20525	1@0	22.09	PASS
Band5	Stand-Alone	3.75kHz	NaN	BPSK	20525	1@47	22.36	PASS
Band5	Stand-Alone	3.75kHz	NaN	QPSK	20525	1@0	22.03	PASS
Band5	Stand-Alone	3.75kHz	NaN	QPSK	20525	1@47	22.33	PASS
Band5	Stand-Alone	3.75kHz	NaN	BPSK	20649	1@0	22.12	PASS
Band5	Stand-Alone	3.75kHz	NaN	BPSK	20649	1@47	22.36	PASS
Band5	Stand-Alone	3.75kHz	NaN	QPSK	20649	1@0	22.01	PASS
Band5	Stand-Alone	3.75kHz	NaN	QPSK	20649	1@47	22.32	PASS
Band5	Stand-Alone	15kHz	NaN	BPSK	20401	1@0	21.72	PASS
Band5	Stand-Alone	15kHz	NaN	BPSK	20401	1@11	21.71	PASS
Band5	Stand-Alone	15kHz	NaN	QPSK	20401	1@0	21.79	PASS
Band5	Stand-Alone	15kHz	NaN	QPSK	20401	1@11	21.80	PASS
Band5	Stand-Alone	15kHz	NaN	QPSK	20401	3@3	22.58	PASS
Band5	Stand-Alone	15kHz	NaN	BPSK	20525	1@0	21.68	PASS
Band5	Stand-Alone	15kHz	NaN	BPSK	20525	1@11	21.65	PASS
Band5	Stand-Alone	15kHz	NaN	BPSK	20525	3@3	22.21	PASS
Band5	Stand-Alone	15kHz	NaN	QPSK	20525	1@0	21.76	PASS
Band5	Stand-Alone	15kHz	NaN	QPSK	20525	1@11	21.74	PASS
Band5	Stand-Alone	15kHz	NaN	QPSK	20525	3@3	22.22	PASS
Band5	Stand-Alone	15kHz	NaN	BPSK	20649	1@0	21.64	PASS

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Band5	Stand-Alone	15kHz	NaN	BPSK	20649	1@11	21.71	PASS
Band5	Stand-Alone	15kHz	NaN	BPSK	20649	3@3	22.53	PASS
Band5	Stand-Alone	15kHz	NaN	QPSK	20649	1@0	21.80	PASS
Band5	Stand-Alone	15kHz	NaN	QPSK	20649	1@11	21.78	PASS
Band5	Stand-Alone	15kHz	NaN	QPSK	20649	3@3	22.57	PASS
Band12	Stand-Alone	3.75kHz	NaN	BPSK	23011	1@0	22.25	PASS
Band12	Stand-Alone	3.75kHz	NaN	BPSK	23011	1@47	22.34	PASS
Band12	Stand-Alone	3.75kHz	NaN	QPSK	23011	1@0	22.14	PASS
Band12	Stand-Alone	3.75kHz	NaN	QPSK	23011	1@47	22.28	PASS
Band12	Stand-Alone	3.75kHz	NaN	BPSK	23095	1@0	22.46	PASS
Band12	Stand-Alone	3.75kHz	NaN	BPSK	23095	1@47	22.51	PASS
Band12	Stand-Alone	3.75kHz	NaN	QPSK	23095	1@0	22.44	PASS
Band12	Stand-Alone	3.75kHz	NaN	QPSK	23095	1@47	22.41	PASS
Band12	Stand-Alone	3.75kHz	NaN	BPSK	23179	1@0	22.39	PASS
Band12	Stand-Alone	3.75kHz	NaN	BPSK	23179	1@47	22.47	PASS
Band12	Stand-Alone	3.75kHz	NaN	QPSK	23179	1@0	22.41	PASS
Band12	Stand-Alone	3.75kHz	NaN	QPSK	23179	1@47	22.40	PASS
Band12	Stand-Alone	15kHz	NaN	BPSK	23011	1@0	21.78	PASS
Band12	Stand-Alone	15kHz	NaN	BPSK	23011	1@11	21.76	PASS
Band12	Stand-Alone	15kHz	NaN	BPSK	23011	3@3	23.10	PASS
Band12	Stand-Alone	15kHz	NaN	QPSK	23011	1@0	21.93	PASS
Band12	Stand-Alone	15kHz	NaN	QPSK	23011	1@11	22.25	PASS
Band12	Stand-Alone	15kHz	NaN	QPSK	23011	3@3	23.12	PASS
Band12	Stand-Alone	15kHz	NaN	BPSK	23095	1@0	21.80	PASS
Band12	Stand-Alone	15kHz	NaN	BPSK	23095	1@11	21.67	PASS
Band12	Stand-Alone	15kHz	NaN	BPSK	23095	3@3	23.10	PASS
Band12	Stand-Alone	15kHz	NaN	QPSK	23095	1@0	21.93	PASS
Band12	Stand-Alone	15kHz	NaN	QPSK	23095	1@11	21.80	PASS
Band12	Stand-Alone	15kHz	NaN	QPSK	23095	3@3	23.22	PASS
Band12	Stand-Alone	15kHz	NaN	BPSK	23179	1@0	21.72	PASS
Band12	Stand-Alone	15kHz	NaN	BPSK	23179	1@11	21.73	PASS
Band12	Stand-Alone	15kHz	NaN	BPSK	23179	3@3	22.94	PASS
Band12	Stand-Alone	15kHz	NaN	QPSK	23179	1@0	21.83	PASS
Band12	Stand-Alone	15kHz	NaN	QPSK	23179	1@11	21.80	PASS
Band12	Stand-Alone	15kHz	NaN	QPSK	23179	3@3	23.18	PASS
Band13	Stand-Alone	3.75kHz	NaN	BPSK	23181	1@0	23.67	PASS
Band13	Stand-Alone	3.75kHz	NaN	BPSK	23181	1@47	22.68	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23181	1@0	22.57	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23181	1@47	22.59	PASS
Band13	Stand-Alone	3.75kHz	NaN	BPSK	23230	1@0	22.81	PASS
Band13	Stand-Alone	3.75kHz	NaN	BPSK	23230	1@47	22.84	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23230	1@0	22.76	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23230	1@47	22.78	PASS
Band13	Stand-Alone	3.75kHz	NaN	BPSK	23279	1@0	22.63	PASS
Band13	Stand-Alone	3.75kHz	NaN	BPSK	23279	1@47	22.61	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23279	1@0	22.51	PASS
Band13	Stand-Alone	3.75kHz	NaN	QPSK	23279	1@47	22.51	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23181	1@0	22.07	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23181	1@11	22.01	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23181	3@3	23.28	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23181	1@0	22.19	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23181	1@11	22.05	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23181	3@3	23.29	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23230	1@0	22.02	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23230	1@11	22.09	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23230	3@3	23.32	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23230	1@0	22.10	PASS

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Band13	Stand-Alone	15kHz	NaN	QPSK	23230	1@11	22.12	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23230	3@3	23.30	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23279	1@0	22.00	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23279	1@11	22.01	PASS
Band13	Stand-Alone	15kHz	NaN	BPSK	23279	3@3	23.28	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23279	1@0	22.08	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23279	1@11	22.04	PASS
Band13	Stand-Alone	15kHz	NaN	QPSK	23279	3@3	23.30	PASS
Band26	Stand-Alone	3.75kHz	NaN	BPSK	26039	1@0	23.05	PASS
Band26	Stand-Alone	3.75kHz	NaN	BPSK	26039	1@47	23.09	PASS
Band26	Stand-Alone	3.75kHz	NaN	QPSK	26039	1@0	23.05	PASS
Band26	Stand-Alone	3.75kHz	NaN	QPSK	26039	1@47	23.15	PASS
Band26	Stand-Alone	3.75kHz	NaN	BPSK	26691	1@0	23.14	PASS
Band26	Stand-Alone	3.75kHz	NaN	BPSK	26691	1@47	23.08	PASS
Band26	Stand-Alone	3.75kHz	NaN	QPSK	26691	1@0	23.01	PASS
Band26	Stand-Alone	3.75kHz	NaN	QPSK	26691	1@47	23.01	PASS
Band26	Stand-Alone	3.75kHz	NaN	BPSK	26740	1@0	23.22	PASS
Band26	Stand-Alone	3.75kHz	NaN	BPSK	26740	1@47	23.15	PASS
Band26	Stand-Alone	3.75kHz	NaN	QPSK	26740	1@0	23.15	PASS
Band26	Stand-Alone	3.75kHz	NaN	QPSK	26740	1@47	23.06	PASS
Band26	Stand-Alone	3.75kHz	NaN	BPSK	26789	1@0	23.09	PASS
Band26	Stand-Alone	3.75kHz	NaN	BPSK	26789	1@47	23.11	PASS
Band26	Stand-Alone	3.75kHz	NaN	QPSK	26789	1@0	23.08	PASS
Band26	Stand-Alone	3.75kHz	NaN	QPSK	26789	1@47	23.13	PASS
Band26	Stand-Alone	3.75kHz	NaN	BPSK	26791	1@0	23.09	PASS
Band26	Stand-Alone	3.75kHz	NaN	BPSK	26791	1@47	23.07	PASS
Band26	Stand-Alone	3.75kHz	NaN	QPSK	26791	1@0	23.08	PASS
Band26	Stand-Alone	3.75kHz	NaN	QPSK	26791	1@47	23.00	PASS
Band26	Stand-Alone	3.75kHz	NaN	BPSK	26915	1@0	23.13	PASS
Band26	Stand-Alone	3.75kHz	NaN	BPSK	26915	1@47	23.12	PASS
Band26	Stand-Alone	3.75kHz	NaN	QPSK	26915	1@0	23.10	PASS
Band26	Stand-Alone	3.75kHz	NaN	QPSK	26915	1@47	23.13	PASS
Band26	Stand-Alone	15kHz	NaN	BPSK	26691	1@0	21.59	PASS
Band26	Stand-Alone	15kHz	NaN	BPSK	26691	1@11	21.63	PASS
Band26	Stand-Alone	15kHz	NaN	BPSK	26691	3@3	22.29	PASS
Band26	Stand-Alone	15kHz	NaN	QPSK	26691	1@0	21.69	PASS
Band26	Stand-Alone	15kHz	NaN	QPSK	26691	1@11	21.69	PASS
Band26	Stand-Alone	15kHz	NaN	QPSK	26691	3@3	22.31	PASS
Band26	Stand-Alone	15kHz	NaN	BPSK	26740	1@0	21.69	PASS
Band26	Stand-Alone	15kHz	NaN	BPSK	26740	1@11	21.71	PASS
Band26	Stand-Alone	15kHz	NaN	BPSK	26740	3@3	22.30	PASS
Band26	Stand-Alone	15kHz	NaN	QPSK	26740	1@0	21.79	PASS
Band26	Stand-Alone	15kHz	NaN	QPSK	26740	1@11	21.76	PASS
Band26	Stand-Alone	15kHz	NaN	QPSK	26740	3@3	22.41	PASS
Band26	Stand-Alone	15kHz	NaN	BPSK	26789	1@0	21.77	PASS
Band26	Stand-Alone	15kHz	NaN	BPSK	26789	1@11	21.77	PASS
Band26	Stand-Alone	15kHz	NaN	BPSK	26789	3@3	22.52	PASS
Band26	Stand-Alone	15kHz	NaN	QPSK	26789	1@0	21.76	PASS
Band26	Stand-Alone	15kHz	NaN	QPSK	26789	1@11	21.78	PASS
Band26	Stand-Alone	15kHz	NaN	QPSK	26789	3@3	22.33	PASS
Band26	Stand-Alone	15kHz	NaN	BPSK	26791	1@0	21.73	PASS
Band26	Stand-Alone	15kHz	NaN	BPSK	26791	1@11	21.67	PASS
Band26	Stand-Alone	15kHz	NaN	BPSK	26791	3@3	22.30	PASS
Band26	Stand-Alone	15kHz	NaN	QPSK	26791	1@0	21.82	PASS
Band26	Stand-Alone	15kHz	NaN	QPSK	26791	1@11	21.73	PASS
Band26	Stand-Alone	15kHz	NaN	QPSK	26791	3@3	22.49	PASS
Band26	Stand-Alone	15kHz	NaN	BPSK	26915	1@0	21.70	PASS

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Band26	Stand-Alone	15kHz	NaN	BPSK	26915	1@11	21.73	PASS
Band26	Stand-Alone	15kHz	NaN	BPSK	26915	3@3	22.52	PASS
Band26	Stand-Alone	15kHz	NaN	QPSK	26915	1@0	21.76	PASS
Band26	Stand-Alone	15kHz	NaN	QPSK	26915	1@11	21.75	PASS
Band26	Stand-Alone	15kHz	NaN	QPSK	26915	3@3	22.44	PASS
Band26	Stand-Alone	15kHz	NaN	BPSK	27039	1@0	21.79	PASS
Band26	Stand-Alone	15kHz	NaN	BPSK	27039	1@11	21.80	PASS
Band26	Stand-Alone	15kHz	NaN	BPSK	27039	3@3	22.12	PASS
Band26	Stand-Alone	15kHz	NaN	QPSK	27039	1@0	21.87	PASS
Band26	Stand-Alone	15kHz	NaN	QPSK	27039	1@11	21.85	PASS
Band26	Stand-Alone	15kHz	NaN	QPSK	27039	3@3	22.11	PASS

LTE-CAT M1

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NBIndex	Result(dBm)	Verdict
Band2	1.4MHz	18607	QPSK	1	0	Low	22.70	PASS
Band2	1.4MHz	18607	QPSK	6	0	Low	22.68	PASS
Band2	1.4MHz	18607	16QAM	1	0	Low	22.64	PASS
Band2	1.4MHz	18607	16QAM	6	0	Low	22.67	PASS
Band2	1.4MHz	18900	QPSK	1	0	Low	22.43	PASS
Band2	1.4MHz	18900	QPSK	6	0	Low	22.70	PASS
Band2	1.4MHz	18900	16QAM	1	0	Low	22.23	PASS
Band2	1.4MHz	18900	16QAM	6	0	Low	22.69	PASS
Band2	1.4MHz	19193	QPSK	1	5	Low	22.42	PASS
Band2	1.4MHz	19193	QPSK	6	0	Low	22.62	PASS
Band2	1.4MHz	19193	16QAM	1	5	Low	22.05	PASS
Band2	1.4MHz	19193	16QAM	6	0	Low	22.62	PASS
Band2	3MHz	18615	QPSK	1	0	Low	22.46	PASS
Band2	3MHz	18615	QPSK	6	0	Low	22.70	PASS
Band2	3MHz	18615	16QAM	1	0	Low	22.74	PASS
Band2	3MHz	18615	16QAM	6	0	Low	22.69	PASS
Band2	3MHz	18900	QPSK	1	0	Low	22.76	PASS
Band2	3MHz	18900	QPSK	6	0	Low	22.67	PASS
Band2	3MHz	18900	16QAM	1	0	Low	22.67	PASS
Band2	3MHz	18900	16QAM	6	0	Low	22.66	PASS
Band2	3MHz	19185	QPSK	1	5	High	22.37	PASS
Band2	3MHz	19185	QPSK	6	0	High	22.63	PASS
Band2	3MHz	19185	16QAM	1	5	High	23.02	PASS
Band2	3MHz	19185	16QAM	6	0	High	22.65	PASS
Band2	5MHz	18625	QPSK	1	0	Low	22.63	PASS
Band2	5MHz	18625	QPSK	6	0	Low	22.59	PASS
Band2	5MHz	18625	16QAM	1	0	Low	23.02	PASS
Band2	5MHz	18625	16QAM	6	0	Low	22.61	PASS
Band2	5MHz	18900	QPSK	1	0	Low	22.61	PASS
Band2	5MHz	18900	QPSK	6	0	Low	22.59	PASS
Band2	5MHz	18900	16QAM	1	0	Low	22.53	PASS
Band2	5MHz	18900	16QAM	6	0	Low	22.59	PASS
Band2	5MHz	19175	QPSK	1	5	High	22.61	PASS
Band2	5MHz	19175	QPSK	3	3	High	22.63	PASS
Band2	5MHz	19175	16QAM	1	5	High	23.08	PASS
Band2	5MHz	19175	16QAM	3	3	High	22.37	PASS
Band2	10MHz	18650	QPSK	1	0	Low	22.62	PASS
Band2	10MHz	18650	QPSK	5	0	Low	22.60	PASS
Band2	10MHz	18650	16QAM	1	0	Low	23.05	PASS
Band2	10MHz	18650	16QAM	5	0	Low	22.59	PASS
Band2	10MHz	18900	QPSK	1	0	Low	22.48	PASS
Band2	10MHz	18900	QPSK	5	0	Low	22.58	PASS
Band2	10MHz	18900	16QAM	1	0	Low	23.02	PASS
Band2	10MHz	18900	16QAM	5	0	Low	22.56	PASS
Band2	10MHz	19150	QPSK	1	5	High	22.85	PASS
Band2	10MHz	19150	QPSK	5	1	High	22.56	PASS
Band2	10MHz	19150	16QAM	1	5	High	22.49	PASS
Band2	10MHz	19150	16QAM	5	1	High	22.75	PASS
Band2	15MHz	18675	QPSK	1	0	Low	22.64	PASS
Band2	15MHz	18675	QPSK	6	0	Low	22.58	PASS
Band2	15MHz	18675	16QAM	1	0	Low	23.04	PASS
Band2	15MHz	18675	16QAM	6	0	Low	22.60	PASS
Band2	15MHz	18900	QPSK	1	0	Low	22.71	PASS

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Band2	15MHz	18900	QPSK	6	0	Low	22.49	PASS
Band2	15MHz	18900	16QAM	1	0	Low	22.56	PASS
Band2	15MHz	18900	16QAM	6	0	Low	22.55	PASS
Band2	15MHz	19125	QPSK	1	5	High	22.41	PASS
Band2	15MHz	19125	QPSK	6	0	High	22.38	PASS
Band2	15MHz	19125	16QAM	1	5	High	23.14	PASS
Band2	15MHz	19125	16QAM	6	0	High	22.52	PASS
Band2	20MHz	18700	QPSK	1	0	Low	22.62	PASS
Band2	20MHz	18700	QPSK	6	0	Low	22.68	PASS
Band2	20MHz	18700	16QAM	1	0	Low	23.05	PASS
Band2	20MHz	18700	16QAM	6	0	Low	22.60	PASS
Band2	20MHz	18900	QPSK	1	0	Low	22.48	PASS
Band2	20MHz	18900	QPSK	6	0	Low	22.48	PASS
Band2	20MHz	18900	16QAM	1	0	Low	22.97	PASS
Band2	20MHz	18900	16QAM	6	0	Low	22.58	PASS
Band2	20MHz	19100	QPSK	1	5	High	22.66	PASS
Band2	20MHz	19100	QPSK	6	0	High	22.38	PASS
Band2	20MHz	19100	16QAM	1	5	High	23.18	PASS
Band2	20MHz	19100	16QAM	6	0	High	22.58	PASS
Band4	1.4MHz	19957	QPSK	1	0	Low	22.34	PASS
Band4	1.4MHz	19957	QPSK	6	0	Low	22.29	PASS
Band4	1.4MHz	19957	16QAM	1	0	Low	22.09	PASS
Band4	1.4MHz	19957	16QAM	6	0	Low	22.10	PASS
Band4	1.4MHz	20175	QPSK	1	0	Low	22.09	PASS
Band4	1.4MHz	20175	QPSK	6	0	Low	22.05	PASS
Band4	1.4MHz	20175	16QAM	1	0	Low	22.13	PASS
Band4	1.4MHz	20175	16QAM	6	0	Low	22.15	PASS
Band4	1.4MHz	20393	QPSK	1	5	Low	22.04	PASS
Band4	1.4MHz	20393	QPSK	6	0	Low	22.07	PASS
Band4	1.4MHz	20393	16QAM	1	5	Low	22.00	PASS
Band4	1.4MHz	20393	16QAM	6	0	Low	22.30	PASS
Band4	3MHz	19965	QPSK	1	0	Low	22.19	PASS
Band4	3MHz	19965	QPSK	6	0	Low	22.14	PASS
Band4	3MHz	19965	16QAM	1	0	Low	22.07	PASS
Band4	3MHz	19965	16QAM	6	0	Low	22.17	PASS
Band4	3MHz	20175	QPSK	1	0	Low	22.21	PASS
Band4	3MHz	20175	QPSK	6	0	Low	22.17	PASS
Band4	3MHz	20175	16QAM	1	0	Low	21.94	PASS
Band4	3MHz	20175	16QAM	6	0	Low	22.08	PASS
Band4	3MHz	20385	QPSK	1	5	High	22.13	PASS
Band4	3MHz	20385	QPSK	6	0	High	22.11	PASS
Band4	3MHz	20385	16QAM	1	5	High	22.29	PASS
Band4	3MHz	20385	16QAM	6	0	High	22.37	PASS
Band4	5MHz	19975	QPSK	1	0	Low	22.21	PASS
Band4	5MHz	19975	QPSK	6	0	Low	22.38	PASS
Band4	5MHz	19975	16QAM	1	0	Low	22.29	PASS
Band4	5MHz	19975	16QAM	6	0	Low	22.28	PASS
Band4	5MHz	20175	QPSK	1	0	Low	22.11	PASS
Band4	5MHz	20175	QPSK	6	0	Low	22.47	PASS
Band4	5MHz	20175	16QAM	1	0	Low	22.37	PASS
Band4	5MHz	20175	16QAM	6	0	Low	22.06	PASS
Band4	5MHz	20375	QPSK	1	5	High	22.13	PASS
Band4	5MHz	20375	QPSK	3	3	High	22.32	PASS
Band4	5MHz	20375	16QAM	1	5	High	22.35	PASS
Band4	5MHz	20375	16QAM	3	3	High	22.21	PASS
Band4	10MHz	20000	QPSK	1	0	Low	22.43	PASS
Band4	10MHz	20000	QPSK	5	0	Low	22.18	PASS

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Band4	10MHz	20000	16QAM	1	0	Low	22.24	PASS
Band4	10MHz	20000	16QAM	5	0	Low	22.12	PASS
Band4	10MHz	20175	QPSK	1	0	Low	22.27	PASS
Band4	10MHz	20175	QPSK	5	0	Low	22.23	PASS
Band4	10MHz	20175	16QAM	1	0	Low	22.32	PASS
Band4	10MHz	20175	16QAM	5	0	Low	22.30	PASS
Band4	10MHz	20350	QPSK	1	5	High	22.27	PASS
Band4	10MHz	20350	QPSK	5	1	High	22.37	PASS
Band4	10MHz	20350	16QAM	1	5	High	22.25	PASS
Band4	10MHz	20350	16QAM	5	1	High	22.34	PASS
Band4	15MHz	20025	QPSK	1	0	Low	22.16	PASS
Band4	15MHz	20025	QPSK	6	0	Low	22.39	PASS
Band4	15MHz	20025	16QAM	1	0	Low	22.14	PASS
Band4	15MHz	20025	16QAM	6	0	Low	22.35	PASS
Band4	15MHz	20175	QPSK	1	0	Low	22.14	PASS
Band4	15MHz	20175	QPSK	6	0	Low	22.08	PASS
Band4	15MHz	20175	16QAM	1	0	Low	22.03	PASS
Band4	15MHz	20175	16QAM	6	0	Low	22.26	PASS
Band4	15MHz	20325	QPSK	1	5	High	22.67	PASS
Band4	15MHz	20325	QPSK	6	0	High	22.36	PASS
Band4	15MHz	20325	16QAM	1	5	High	22.11	PASS
Band4	15MHz	20325	16QAM	6	0	High	22.25	PASS
Band4	20MHz	20050	QPSK	1	0	Low	22.03	PASS
Band4	20MHz	20050	QPSK	6	0	Low	21.86	PASS
Band4	20MHz	20050	16QAM	1	0	Low	21.95	PASS
Band4	20MHz	20050	16QAM	6	0	Low	21.92	PASS
Band4	20MHz	20175	QPSK	1	0	Low	21.52	PASS
Band4	20MHz	20175	QPSK	6	0	Low	21.83	PASS
Band4	20MHz	20175	16QAM	1	0	Low	21.85	PASS
Band4	20MHz	20175	16QAM	6	0	Low	21.92	PASS
Band4	20MHz	20300	QPSK	1	5	High	21.99	PASS
Band4	20MHz	20300	QPSK	6	0	High	21.86	PASS
Band4	20MHz	20300	16QAM	1	5	High	22.04	PASS
Band4	20MHz	20300	16QAM	6	0	High	21.81	PASS
Band5	1.4MHz	20407	QPSK	1	0	Low	22.93	PASS
Band5	1.4MHz	20407	QPSK	6	0	Low	22.81	PASS
Band5	1.4MHz	20407	16QAM	1	0	Low	22.29	PASS
Band5	1.4MHz	20407	16QAM	6	0	Low	22.80	PASS
Band5	1.4MHz	20525	QPSK	1	0	Low	22.94	PASS
Band5	1.4MHz	20525	QPSK	6	0	Low	22.76	PASS
Band5	1.4MHz	20525	16QAM	1	0	Low	22.36	PASS
Band5	1.4MHz	20525	16QAM	6	0	Low	22.84	PASS
Band5	1.4MHz	20643	QPSK	1	5	Low	23.06	PASS
Band5	1.4MHz	20643	QPSK	6	0	Low	22.62	PASS
Band5	1.4MHz	20643	16QAM	1	5	Low	23.02	PASS
Band5	1.4MHz	20643	16QAM	6	0	Low	22.79	PASS
Band5	3MHz	20415	QPSK	1	0	Low	22.80	PASS
Band5	3MHz	20415	QPSK	6	0	Low	22.82	PASS
Band5	3MHz	20415	16QAM	1	0	Low	22.27	PASS
Band5	3MHz	20415	16QAM	6	0	Low	22.82	PASS
Band5	3MHz	20525	QPSK	1	0	Low	22.58	PASS
Band5	3MHz	20525	QPSK	6	0	Low	22.76	PASS
Band5	3MHz	20525	16QAM	1	0	Low	22.99	PASS
Band5	3MHz	20525	16QAM	6	0	Low	22.78	PASS
Band5	3MHz	20635	QPSK	1	5	High	22.54	PASS
Band5	3MHz	20635	QPSK	6	0	High	22.63	PASS
Band5	3MHz	20635	16QAM	1	5	High	23.29	PASS

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Band5	3MHz	20635	16QAM	6	0	High	22.64	PASS
Band5	5MHz	20425	QPSK	1	0	Low	22.69	PASS
Band5	5MHz	20425	QPSK	6	0	Low	22.50	PASS
Band5	5MHz	20425	16QAM	1	0	Low	22.33	PASS
Band5	5MHz	20425	16QAM	6	0	Low	22.50	PASS
Band5	5MHz	20525	QPSK	1	0	Low	22.67	PASS
Band5	5MHz	20525	QPSK	6	0	Low	22.74	PASS
Band5	5MHz	20525	16QAM	1	0	Low	23.03	PASS
Band5	5MHz	20525	16QAM	6	0	Low	22.74	PASS
Band5	5MHz	20625	QPSK	1	5	High	22.94	PASS
Band5	5MHz	20625	QPSK	3	3	High	22.37	PASS
Band5	5MHz	20625	16QAM	1	5	High	22.47	PASS
Band5	5MHz	20625	16QAM	3	3	High	22.44	PASS
Band5	10MHz	20450	QPSK	1	0	Low	22.82	PASS
Band5	10MHz	20450	QPSK	5	0	Low	22.67	PASS
Band5	10MHz	20450	16QAM	1	0	Low	22.53	PASS
Band5	10MHz	20450	16QAM	5	0	Low	22.51	PASS
Band5	10MHz	20525	QPSK	1	0	Low	22.53	PASS
Band5	10MHz	20525	QPSK	5	0	Low	22.45	PASS
Band5	10MHz	20525	16QAM	1	0	Low	23.12	PASS
Band5	10MHz	20525	16QAM	5	0	Low	22.68	PASS
Band5	10MHz	20600	QPSK	1	5	High	22.95	PASS
Band5	10MHz	20600	QPSK	5	1	High	22.49	PASS
Band5	10MHz	20600	16QAM	1	5	High	22.58	PASS
Band5	10MHz	20600	16QAM	5	1	High	22.48	PASS
Band12	1.4MHz	23017	QPSK	1	0	Low	22.58	PASS
Band12	1.4MHz	23017	QPSK	6	0	Low	22.94	PASS
Band12	1.4MHz	23017	16QAM	1	0	Low	22.60	PASS
Band12	1.4MHz	23017	16QAM	6	0	Low	22.84	PASS
Band12	1.4MHz	23095	QPSK	1	0	Low	22.91	PASS
Band12	1.4MHz	23095	QPSK	6	0	Low	22.69	PASS
Band12	1.4MHz	23095	16QAM	1	0	Low	22.94	PASS
Band12	1.4MHz	23095	16QAM	6	0	Low	22.78	PASS
Band12	1.4MHz	23173	QPSK	1	5	Low	22.94	PASS
Band12	1.4MHz	23173	QPSK	6	0	Low	22.74	PASS
Band12	1.4MHz	23173	16QAM	1	5	Low	22.87	PASS
Band12	1.4MHz	23173	16QAM	6	0	Low	22.93	PASS
Band12	3MHz	23025	QPSK	1	0	Low	22.66	PASS
Band12	3MHz	23025	QPSK	6	0	Low	22.98	PASS
Band12	3MHz	23025	16QAM	1	0	Low	22.62	PASS
Band12	3MHz	23025	16QAM	6	0	Low	22.80	PASS
Band12	3MHz	23095	QPSK	1	0	Low	22.94	PASS
Band12	3MHz	23095	QPSK	6	0	Low	22.69	PASS
Band12	3MHz	23095	16QAM	1	0	Low	22.89	PASS
Band12	3MHz	23095	16QAM	6	0	Low	22.94	PASS
Band12	3MHz	23165	QPSK	1	5	High	22.55	PASS
Band12	3MHz	23165	QPSK	6	0	High	22.70	PASS
Band12	3MHz	23165	16QAM	1	5	High	22.89	PASS
Band12	3MHz	23165	16QAM	6	0	High	22.89	PASS
Band12	5MHz	23035	QPSK	1	0	Low	22.74	PASS
Band12	5MHz	23035	QPSK	6	0	Low	22.50	PASS
Band12	5MHz	23035	16QAM	1	0	Low	22.71	PASS
Band12	5MHz	23035	16QAM	6	0	Low	23.07	PASS
Band12	5MHz	23095	QPSK	1	0	Low	23.08	PASS
Band12	5MHz	23095	QPSK	6	0	Low	23.15	PASS
Band12	5MHz	23095	16QAM	1	0	Low	22.65	PASS
Band12	5MHz	23095	16QAM	6	0	Low	23.15	PASS

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Band12	5MHz	23155	QPSK	1	5	High	22.50	PASS
Band12	5MHz	23155	QPSK	3	3	High	23.08	PASS
Band12	5MHz	23155	16QAM	1	5	High	23.20	PASS
Band12	5MHz	23155	16QAM	3	3	High	23.02	PASS
Band12	10MHz	23060	QPSK	1	0	Low	23.38	PASS
Band12	10MHz	23060	QPSK	5	0	Low	23.10	PASS
Band12	10MHz	23060	16QAM	1	0	Low	22.86	PASS
Band12	10MHz	23060	16QAM	5	0	Low	22.87	PASS
Band12	10MHz	23095	QPSK	1	0	Low	23.09	PASS
Band12	10MHz	23095	QPSK	5	0	Low	23.10	PASS
Band12	10MHz	23095	16QAM	1	0	Low	23.14	PASS
Band12	10MHz	23095	16QAM	5	0	Low	23.41	PASS
Band12	10MHz	23130	QPSK	1	5	High	23.06	PASS
Band12	10MHz	23130	QPSK	5	1	High	23.07	PASS
Band12	10MHz	23130	16QAM	1	5	High	23.13	PASS
Band12	10MHz	23130	16QAM	5	1	High	23.04	PASS
Band13	5MHz	23205	QPSK	1	0	Low	22.79	PASS
Band13	5MHz	23205	QPSK	6	0	Low	23.12	PASS
Band13	5MHz	23205	16QAM	1	0	Low	23.10	PASS
Band13	5MHz	23205	16QAM	6	0	Low	23.03	PASS
Band13	5MHz	23230	QPSK	1	0	Low	23.15	PASS
Band13	5MHz	23230	QPSK	6	0	Low	23.09	PASS
Band13	5MHz	23230	16QAM	1	0	Low	23.12	PASS
Band13	5MHz	23230	16QAM	6	0	Low	23.14	PASS
Band13	5MHz	23255	QPSK	1	5	High	23.04	PASS
Band13	5MHz	23255	QPSK	3	3	High	23.37	PASS
Band13	5MHz	23255	16QAM	1	5	High	23.37	PASS
Band13	5MHz	23255	16QAM	3	3	High	23.27	PASS
Band13	10MHz	23230	QPSK	1	0	Low	23.29	PASS
Band13	10MHz	23230	QPSK	1	5	High	23.18	PASS
Band13	10MHz	23230	QPSK	5	0	Low	23.08	PASS
Band13	10MHz	23230	QPSK	5	1	High	23.10	PASS
Band13	10MHz	23230	16QAM	1	0	Low	23.44	PASS
Band13	10MHz	23230	16QAM	1	5	High	23.08	PASS
Band13	10MHz	23230	16QAM	5	0	Low	23.27	PASS
Band13	10MHz	23230	16QAM	5	1	High	23.18	PASS
Band26	1.4MHz	26697	QPSK	1	0	Low	22.61	PASS
Band26	1.4MHz	26697	QPSK	6	0	Low	22.33	PASS
Band26	1.4MHz	26697	16QAM	1	0	Low	21.83	PASS
Band26	1.4MHz	26697	16QAM	6	0	Low	22.42	PASS
Band26	1.4MHz	26740	QPSK	1	0	Low	22.22	PASS
Band26	1.4MHz	26740	QPSK	6	0	Low	22.51	PASS
Band26	1.4MHz	26740	16QAM	1	0	Low	22.78	PASS
Band26	1.4MHz	26740	16QAM	6	0	Low	22.32	PASS
Band26	1.4MHz	26783	QPSK	1	5	Low	22.68	PASS
Band26	1.4MHz	26783	QPSK	6	0	Low	22.42	PASS
Band26	1.4MHz	26783	16QAM	1	5	Low	22.04	PASS
Band26	1.4MHz	26783	16QAM	6	0	Low	22.41	PASS
Band26	1.4MHz	26797	QPSK	1	0	Low	22.72	PASS
Band26	1.4MHz	26797	QPSK	6	0	Low	22.47	PASS
Band26	1.4MHz	26797	16QAM	1	0	Low	21.92	PASS
Band26	1.4MHz	26797	16QAM	6	0	Low	22.36	PASS
Band26	1.4MHz	26915	QPSK	1	0	Low	22.21	PASS
Band26	1.4MHz	26915	QPSK	6	0	Low	22.36	PASS
Band26	1.4MHz	26915	16QAM	1	0	Low	22.43	PASS
Band26	1.4MHz	26915	16QAM	6	0	Low	22.36	PASS
Band26	1.4MHz	27033	QPSK	1	5	Low	22.34	PASS

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Band26	1.4MHz	27033	QPSK	6	0	Low	22.49	PASS
Band26	1.4MHz	27033	16QAM	1	5	Low	23.12	PASS
Band26	1.4MHz	27033	16QAM	6	0	Low	22.41	PASS
Band26	3MHz	26705	QPSK	1	0	Low	22.41	PASS
Band26	3MHz	26705	QPSK	6	0	Low	22.31	PASS
Band26	3MHz	26705	16QAM	1	0	Low	22.82	PASS
Band26	3MHz	26705	16QAM	6	0	Low	22.30	PASS
Band26	3MHz	26740	QPSK	1	0	Low	22.60	PASS
Band26	3MHz	26740	QPSK	6	0	Low	22.44	PASS
Band26	3MHz	26740	16QAM	1	0	Low	22.42	PASS
Band26	3MHz	26740	16QAM	6	0	Low	22.44	PASS
Band26	3MHz	26775	QPSK	1	5	High	22.93	PASS
Band26	3MHz	26775	QPSK	6	0	High	22.36	PASS
Band26	3MHz	26775	16QAM	1	5	High	22.09	PASS
Band26	3MHz	26775	16QAM	6	0	High	22.35	PASS
Band26	3MHz	26805	QPSK	1	0	Low	22.47	PASS
Band26	3MHz	26805	QPSK	6	0	Low	22.38	PASS
Band26	3MHz	26805	16QAM	1	0	Low	21.88	PASS
Band26	3MHz	26805	16QAM	6	0	Low	22.45	PASS
Band26	3MHz	26915	QPSK	1	0	Low	22.17	PASS
Band26	3MHz	26915	QPSK	6	0	Low	22.44	PASS
Band26	3MHz	26915	16QAM	1	0	Low	22.52	PASS
Band26	3MHz	26915	16QAM	6	0	Low	22.43	PASS
Band26	3MHz	27025	QPSK	1	5	High	22.74	PASS
Band26	3MHz	27025	QPSK	6	0	High	22.40	PASS
Band26	3MHz	27025	16QAM	1	5	High	22.04	PASS
Band26	3MHz	27025	16QAM	6	0	High	22.39	PASS
Band26	5MHz	26715	QPSK	1	0	Low	22.19	PASS
Band26	5MHz	26715	QPSK	6	0	Low	22.27	PASS
Band26	5MHz	26715	16QAM	1	0	Low	22.85	PASS
Band26	5MHz	26715	16QAM	6	0	Low	22.27	PASS
Band26	5MHz	26740	QPSK	1	0	Low	22.56	PASS
Band26	5MHz	26740	QPSK	6	0	Low	22.23	PASS
Band26	5MHz	26740	16QAM	1	0	Low	22.09	PASS
Band26	5MHz	26740	16QAM	6	0	Low	22.23	PASS
Band26	5MHz	26765	QPSK	1	5	High	22.46	PASS
Band26	5MHz	26765	QPSK	3	3	High	22.39	PASS
Band26	5MHz	26765	16QAM	1	5	High	21.88	PASS
Band26	5MHz	26765	16QAM	3	3	High	22.16	PASS
Band26	5MHz	26815	QPSK	1	0	Low	22.60	PASS
Band26	5MHz	26815	QPSK	6	0	Low	22.32	PASS
Band26	5MHz	26815	16QAM	1	0	Low	22.17	PASS
Band26	5MHz	26815	16QAM	6	0	Low	22.34	PASS
Band26	5MHz	26915	QPSK	1	0	Low	22.35	PASS
Band26	5MHz	26915	QPSK	6	0	Low	22.32	PASS
Band26	5MHz	26915	16QAM	1	0	Low	22.95	PASS
Band26	5MHz	26915	16QAM	6	0	Low	22.34	PASS
Band26	5MHz	27015	QPSK	1	5	High	22.70	PASS
Band26	5MHz	27015	QPSK	3	3	High	22.27	PASS
Band26	5MHz	27015	16QAM	1	5	High	22.24	PASS
Band26	5MHz	27015	16QAM	3	3	High	22.20	PASS
Band26	10MHz	26740	QPSK	1	0	Low	22.17	PASS
Band26	10MHz	26740	QPSK	1	5	High	22.27	PASS
Band26	10MHz	26740	QPSK	5	0	Low	22.19	PASS
Band26	10MHz	26740	QPSK	5	1	High	22.19	PASS
Band26	10MHz	26740	16QAM	1	0	Low	22.83	PASS
Band26	10MHz	26740	16QAM	1	5	High	22.22	PASS

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Band26	10MHz	26740	16QAM	5	0	Low	22.52	PASS
Band26	10MHz	26740	16QAM	5	1	High	22.59	PASS
Band26	10MHz	26840	QPSK	1	0	Low	22.64	PASS
Band26	10MHz	26840	QPSK	5	0	Low	22.39	PASS
Band26	10MHz	26840	16QAM	1	0	Low	22.25	PASS
Band26	10MHz	26840	16QAM	5	0	Low	22.33	PASS
Band26	10MHz	26915	QPSK	1	0	Low	22.28	PASS
Band26	10MHz	26915	QPSK	5	0	Low	22.22	PASS
Band26	10MHz	26915	16QAM	1	0	Low	22.77	PASS
Band26	10MHz	26915	16QAM	5	0	Low	22.48	PASS
Band26	10MHz	26990	QPSK	1	5	High	22.56	PASS
Band26	10MHz	26990	QPSK	5	1	High	22.31	PASS
Band26	10MHz	26990	16QAM	1	5	High	22.36	PASS
Band26	10MHz	26990	16QAM	5	1	High	22.32	PASS
Band26	15MHz	26865	QPSK	1	0	Low	22.69	PASS
Band26	15MHz	26865	QPSK	6	0	Low	22.34	PASS
Band26	15MHz	26865	16QAM	1	0	Low	22.19	PASS
Band26	15MHz	26865	16QAM	6	0	Low	22.34	PASS
Band26	15MHz	26915	QPSK	1	0	Low	22.26	PASS
Band26	15MHz	26915	QPSK	6	0	Low	22.36	PASS
Band26	15MHz	26915	16QAM	1	0	Low	22.87	PASS
Band26	15MHz	26915	16QAM	6	0	Low	22.34	PASS
Band26	15MHz	26965	QPSK	1	5	High	22.88	PASS
Band26	15MHz	26965	QPSK	6	0	High	22.41	PASS
Band26	15MHz	26965	16QAM	1	5	High	22.33	PASS
Band26	15MHz	26965	16QAM	6	0	High	22.41	PASS