



Full Power Mode

2CA DL

Configure		PCC								SCC				Power			
		LTE	Antenna Port	BW (MHz)	Freq (MHz)	Channel	Mod	UL#	UL RB Offset	LTE	BW (MHz)	Freq (MHz)	Channel	DL Antenna Configuration	With CA	Without CA	
		Band								Band					Tx Power (dBm)	Tx Power (dBm)	
Inter-Band	CA_5A-41A	Band 5	1	10M	836.5	20520	QPSK	1	0		Band 41	20M	2593	40620	4xMIMO	22.91	23.15
		Band 5	2	10M	836.5	20520	QPSK	1	0		Band 41	20M	2593	40620	4xMIMO	22.14	22.45
	CA_25A-41A	Band 25	1	20M	1880	26340	QPSK	1	0	4xMIMO	Band 41	20M	2593	40620	4xMIMO	23.16	23.45
		Band 41	1	20M	2593	40620	QPSK	1	0	4xMIMO	Band 25	20M	1960	8340	4xMIMO	22.51	22.75
	CA_26A-41A	Band 26	1	15M	831.5	26865	QPSK	1	0		Band 41	20M	2593	40620	4xMIMO	23.01	23.22
		Band 41	1	20M	2593	40620	QPSK	1	0	4xMIMO	Band 26	15M	876.5	8855		22.42	22.75



3CA DL

Configure	PCC										SCC1				SCC2				Power			
	LTE	BW	UL	UL	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA			
	Band	Antenna Port	(MHz)	Freq. (MHz)	Channel	Mod.		RB	Offset	Band	(MHz)		Freq. (MHz)	Channel	Band	(MHz)		Freq. (MHz)	Channel	Tx Power (dBm)	Tx Power (dBm)	
Inter-Band	CA_2A-4A-29A	Band 2	1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	Band 29	10M	722.5	9715	22.61	22.9	
		Band 2	2	20M	1880	18900	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	Band 29	10M	722.5	9715	21.48	21.89	
		Band 4	1	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 29	10M	722.5	9715		Band 2	20M	1880	900	4xMIMO	22.44	22.7
		Band 4	2	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 29	10M	722.5	9715		Band 2	20M	1880	900	4xMIMO	21.38	21.78
	CA_2A-4A-30A	Band 2	1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	Band 30	10M	2355	9820	4xMIMO	22.59	22.9
		Band 2	2	20M	1880	18900	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	Band 30	10M	2355	9820	4xMIMO	21.46	21.89
		Band 4	1	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 30	10M	2355	9820	4xMIMO	Band 2	20M	1880	900	4xMIMO	22.51	22.7
		Band 4	2	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 30	10M	2355	9820	4xMIMO	Band 2	20M	1880	900	4xMIMO	21.07	21.78
		Band 30	1	10M	2310	27710	QPSK	1	0	4xMIMO	Band 2	20M	1880	900	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	23.22	23.59
		Band 30	2	10M	2310	27710	QPSK	1	0	4xMIMO	Band 2	20M	1880	900	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	21.73	21.85
	CA_2A-29A-66A	Band 2	1	20M	1880	18900	QPSK	1	0	4xMIMO	Band 29	10M	722.5	9715		Band 66	20M	2155	66886	4xMIMO	22.68	22.9
		Band 2	2	20M	1880	18900	QPSK	1	0	4xMIMO	Band 29	10M	722.5	9715		Band 66	20M	2155	66886	4xMIMO	21.62	21.89
		Band 66	1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1880	900	4xMIMO	Band 29	10M	722.5	9715		22.49	22.71
		Band 66	2	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1880	900	4xMIMO	Band 29	10M	722.5	9715		21.44	21.8

Configure	PCC										SCC1					SCC2					Power	
	LTE	Antenna Port	BW	UL Freq.	UL Channel	Mod.	UL# RB	UL# Offset	DL Antenna Configuration	LTE	BW	UL Freq.	UL Channel	DL Antenna Configuration	LTE	BW	UL Freq.	UL Channel	DL Antenna Configuration	With CA Tx Power (dBm)	Without CA Tx Power (dBm)	
	Band		(MHz)	(MHz)						Band	(MHz)	(MHz)			Band	(MHz)	(MHz)					
CA_2C-12A	Band 2	1	20M	1880	18900	QPSK	1	0	4xMMMO	Band 2	20M	1979.8	1098	4xMMMO	Band 12	10M	737.5	1095		22.12	22.5	
	Band 2	2	20M	1880	18900	QPSK	1	0	4xMMMO	Band 2	20M	1979.8	1098	4xMMMO	Band 12	10M	737.5	1095		21.48	21.89	
	Band 12	1	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900	4xMMMO	Band 2	20M	1979.8	1098	4xMMMO	22.96	23.28	
	Band 12	2	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900	4xMMMO	Band 2	20M	1979.8	1098	4xMMMO	22.24	22.49	
CA_4A-4A-71A	Band 4	1	20M	1732.5	20175	QPSK	1	0	4xMMMO	Band 4	1M	2152.5	2375	4xMMMO	Band 71	20M	637	68786		22.4	22.7	
	Band 4	2	20M	1732.5	20175	QPSK	1	0	4xMMMO	Band 4	1M	2152.5	2375	4xMMMO	Band 71	20M	637	68786		21.38	21.78	
CA_25A-25A-26A	Band 71	1	20M	683	133322	QPSK	1	0		Band 4	20M	2132.5	2175	4xMMMO	Band 4	1M	2152.5	2375	4xMMMO	23.01	23.33	
	Band 25	1	20M	1880	26340	QPSK	1	0	4xMMMO	Band 25	1M	1922.5	8665	4xMMMO	Band 26	15M	876.5	8665		23.06	23.45	
CA_25A-41C	Band 26	1	15M	831.5	26865	QPSK	1	0		Band 25	20M	1880	8340	4xMMMO	Band 25	1960	8340		22.36	23.22		
	Band 26	1	20M	1880	26340	QPSK	1	0	4xMMMO	Band 41	20M	2593	40620	4xMMMO	Band 41	20M	2612.8	40818	4xMMMO	23.12	23.45	
	Band 41	1	20M	2593	40620	QPSK	1	0	4xMMMO	Band 41	20M	2612.8	40818	4xMMMO	Band 25	1960	8340		22.42	22.75		
	Band 26	1	15M	831.5	26865	QPSK	1	0		Band 41	20M	2593	40620	4xMMMO	Band 41	20M	2612.8	40818	4xMMMO	23.01	23.22	
CA_26A-41C	Band 41	1	20M	2593	40620	QPSK	1	0	4xMMMO	Band 41	20M	2612.8	40818	4xMMMO	Band 26	15M	876.5	8665		22.34	22.75	
	Band 41	1	20M	2593	40620	QPSK	1	0	4xMMMO	Band 41	1M	2687.5	41565	4xMMMO	Band 41	20M	2606	39790	4xMMMO	22.51	22.75	
CA_41A-41A-41A	Band 41	1	20M	2593	40620	QPSK	1	0	4xMMMO	Band 41	1M	2687.5	41565	4xMMMO	Band 41	20M	2610	39790	4xMMMO	22.46	22.75	
	Band 66	1	20M	1745	132322	QPSK	1	0	4xMMMO	Band 66	1M	2112.5	66461	4xMMMO	Band 66	15M	2121.8	66554	4xMMMO	22.56	22.71	
	Band 66	2	20M	1745	132322	QPSK	1	0	4xMMMO	Band 66	1M	2112.5	66461	4xMMMO	Band 66	15M	2121.8	66554	4xMMMO	21.62	21.8	
	Band 66	1	15M	1745	132322	QPSK	1	0	4xMMMO	Band 66	1M	2164.3	66979	4xMMMO	Band 66	20M	2120	66536	4xMMMO	22.48	22.71	
CA_66A-66B	Band 66	2	15M	1745	132322	QPSK	1	0	4xMMMO	Band 66	1M	2164.3	66979	4xMMMO	Band 66	20M	2120	66536	4xMMMO	21.49	21.8	
	Band 66	1	20M	1745	132322	QPSK	1	0	4xMMMO	Band 66	1M	2112.5	66461	4xMMMO	Band 66	20M	2124.2	66578	4xMMMO	22.53	22.71	
	Band 66	2	20M	1745	132322	QPSK	1	0	4xMMMO	Band 66	1M	2112.5	66461	4xMMMO	Band 66	20M	2124.2	66578	4xMMMO	21.62	21.8	
	Band 66	1	20M	1745	132322	QPSK	1	0	4xMMMO	Band 66	20M	2174.8	67084	4xMMMO	Band 66	1M	2112.5	66461	4xMMMO	22.41	22.71	
CA_66A-66C	Band 66	2	20M	1745	132322	QPSK	1	0	4xMMMO	Band 66	20M	2174.8	67084	4xMMMO	Band 66	1M	2112.5	66461	4xMMMO	21.59	21.8	



4CA DL

Configure	PCC										SCC1										SCC2										SCC3										Power																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	LTE		Antenna Port	BW (MHz)	UL Freq (MHz)	UL Channel	Mod	UL RB	UL RB Offset	DL Antenna Configuration	LTE		BW (MHz)	Freq (MHz)	Channel	DL Antenna Configuration	LTE		BW (MHz)	Freq (MHz)	Channel	DL Antenna Configuration	LTE		BW (MHz)	Freq (MHz)	Channel	DL Antenna Configuration	WRC CA		Without CA																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
	Band	Band									Band	Band					Band	Band					Band	Band					Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band	Band

CA_3A-65A-65A	Band 30	2	10M	2310	27710	QPSK	1	0	4x4MMO	Band 66	20M	2155	66886	4x4MMO	Band 66	5M	2197.5	67311	4x4MMO	Band 2	20M	1880	900	4x4MMO	21.50	21.85
	Band 66	1	20M	1745	132322	QPSK	1	0	4x4MMO	Band 66	5M	2197.5	67311	4x4MMO	Band 30	10M	2310	9820	4x4MMO	Band 2	20M	1880	900	4x4MMO	22.47	22.71
CA_3A-65A-65A	Band 66	2	20M	1745	132322	QPSK	1	0	4x4MMO	Band 66	5M	2197.5	67311	4x4MMO	Band 30	10M	2310	9820	4x4MMO	Band 2	20M	1880	900	4x4MMO	21.48	21.8
	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MMO	Band 66	20M	2155	66886	4x4MMO	Band 66	5M	2197.5	67311	4x4MMO	Band 66	20M	2155	66886	4x4MMO	22.64	22.9
CA_3A-65A-65A	Band 2	2	20M	1880	18900	QPSK	1	0	4x4MMO	Band 66	20M	2155	66886	4x4MMO	Band 66	5M	2197.5	67311	4x4MMO	Band 66	20M	2155	66886	4x4MMO	21.61	21.89
	Band 66	1	20M	1745	132322	QPSK	1	0	4x4MMO	Band 66	5M	2197.5	67311	4x4MMO	Band 66	20M	2155	66886	4x4MMO	Band 2	20M	1880	900	4x4MMO	22.51	22.71
CA_3A-65A-65A	Band 66	2	20M	1745	132322	QPSK	1	0	4x4MMO	Band 66	5M	2197.5	67311	4x4MMO	Band 66	20M	2155	66886	4x4MMO	Band 2	20M	1880	900	4x4MMO	21.39	21.8
	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MMO	Band 66	20M	2155	66886	4x4MMO	Band 66	20M	2174.8	67084	4x4MMO	Band 71	20M	637	68786		22.68	22.9
CA_3A-65A-65A	Band 2	2	20M	1880	18900	QPSK	1	0	4x4MMO	Band 66	20M	2155	66886	4x4MMO	Band 66	20M	2174.8	67084	4x4MMO	Band 71	20M	637	68786		21.65	21.89
	Band 71	1	20M	683	133322	QPSK	1	0	4x4MMO	Band 66	20M	2155	66886	4x4MMO	Band 66	20M	2174.8	67084	4x4MMO	Band 2	20M	1880	900	4x4MMO	23.05	23.33
CA_3A-65A-65A	Band 66	1	20M	1745	132322	QPSK	1	0	4x4MMO	Band 66	20M	2164.8	66984	4x4MMO	Band 71	20M	637	68786		Band 2	20M	1880	900	4x4MMO	22.34	22.71
	Band 66	2	20M	1745	132322	QPSK	1	0	4x4MMO	Band 66	20M	2164.8	66984	4x4MMO	Band 71	20M	637	68786		Band 2	20M	1880	900	4x4MMO	21.65	21.8
CA_3A-65A-65A	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MMO	Band 66	20M	2155	66886	4x4MMO	Band 66	5M	2197.5	67311	4x4MMO	Band 71	20M	637	68786		22.65	22.9
	Band 2	2	20M	1880	18900	QPSK	1	0	4x4MMO	Band 66	20M	2155	66886	4x4MMO	Band 66	5M	2197.5	67311	4x4MMO	Band 71	20M	637	68786		21.65	21.89
CA_3A-65A-65A	Band 66	1	20M	683	133322	QPSK	1	0	4x4MMO	Band 66	5M	2197.5	67311	4x4MMO	Band 71	20M	637	68786		Band 2	20M	1880	900	4x4MMO	22.35	22.71
	Band 66	2	20M	683	133322	QPSK	1	0	4x4MMO	Band 66	5M	2197.5	67311	4x4MMO	Band 71	20M	637	68786		Band 2	20M	1880	900	4x4MMO	21.54	21.8
CA_4A-4A-12A-30A	Band 71	1	20M	683	133322	QPSK	1	0	4x4MMO	Band 66	20M	2155	66886	4x4MMO	Band 66	5M	2197.5	67311	4x4MMO	Band 2	20M	1880	900	4x4MMO	23.02	23.33
	Band 4	1	20M	1732.5	20175	QPSK	1	0	4x4MMO	Band 4	5M	2152.5	2375	4x4MMO	Band 5	10M	881.5	2525		Band 30	10M	2355	9820	4x4MMO	22.46	22.7
CA_4A-4A-12A-30A	Band 4	2	20M	1732.5	20175	QPSK	1	0	4x4MMO	Band 4	5M	2152.5	2375	4x4MMO	Band 5	10M	881.5	2525		Band 30	10M	2355	9820	4x4MMO	21.32	21.78
	Band 5	1	10M	836.5	20525	QPSK	1	0	4x4MMO	Band 30	10M	2355	9820	4x4MMO	Band 4	5M	2152.5	2375	4x4MMO	Band 4	5M	2152.5	2375	4x4MMO	22.85	23.10
CA_4A-4A-12A-30A	Band 5	2	10M	836.5	20525	QPSK	1	0	4x4MMO	Band 30	10M	2355	9820	4x4MMO	Band 4	5M	2152.5	2375	4x4MMO	Band 4	5M	2152.5	2375	4x4MMO	22.16	22.45
	Band 30	1	10M	2310	27710	QPSK	1	0	4x4MMO	Band 5	10M	881.5	2525		Band 4	20M	2132.5	2175	4x4MMO	Band 4	5M	2152.5	2375	4x4MMO	23.37	23.59
CA_4A-4A-12A-30A	Band 30	2	10M	2310	27710	QPSK	1	0	4x4MMO	Band 5	10M	881.5	2525		Band 4	20M	2132.5	2175	4x4MMO	Band 4	5M	2152.5	2375	4x4MMO	21.48	21.85
	Band 4	1	20M	1732.5	20175	QPSK	1	0	4x4MMO	Band 4	5M	2152.5	2375	4x4MMO	Band 12	10M	737.5	5095		Band 30	10M	2355	9820	4x4MMO	22.50	22.7
CA_4A-4A-12A-30A	Band 4	2	20M	1732.5	20175	QPSK	1	0	4x4MMO	Band 4	5M	2152.5	2375	4x4MMO	Band 12	10M	737.5	5095		Band 30	10M	2355	9820	4x4MMO	21.43	21.78
	Band 12	1	10M	707.5	23095	QPSK	1	0	4x4MMO	Band 30	10M	2355	9820	4x4MMO	Band 4	20M	2132.5	2175	4x4MMO	Band 4	5M	2152.5	2375	4x4MMO	23.01	23.28
CA_4A-4A-12A-30A	Band 12	2	10M	707.5	23095	QPSK	1	0	4x4MMO	Band 30	10M	2355	9820	4x4MMO	Band 4	20M	2132.5	2175	4x4MMO	Band 4	5M	2152.5	2375	4x4MMO	22.12	22.49
	Band 30	1	10M	2310	27710	QPSK	1	0	4x4MMO	Band 12	10M	737.5	5095		Band 4	20M	2132.5	2175	4x4MMO	Band 4	5M	2152.5	2375	4x4MMO	23.28	23.59
CA_4A-4A-12A-30A	Band 30	2	10M	2310	27710	QPSK	1	0	4x4MMO	Band 12	10M	737.5	5095		Band 4	20M	2132.5	2175	4x4MMO	Band 4	5M	2152.5	2375	4x4MMO	21.54	21.85
	Band 4	1	20M	1732.5	20175	QPSK	1	0	4x4MMO	Band 4	5M	2152.5	2375	4x4MMO	Band 29	10M	722.5	9715		Band 30	10M	2355	9820	4x4MMO	22.48	22.7
CA_4A-4A-12A-30A	Band 4	2	20M	1732.5	20175	QPSK	1	0	4x4MMO	Band 4	5M	2152.5	2375	4x4MMO	Band 29	10M	722.5	9715		Band 30	10M	2355	9820	4x4MMO	21.37	21.78
	Band 30	1	10M	2310	27710	QPSK	1	0	4x4MMO	Band 29	10M	722.5	9715		Band 4	20M	2132.5	2175	4x4MMO	Band 4	5M	2152.5	2375	4x4MMO	23.37	23.59
CA_4A-4A-12A-30A	Band 30	2	10M	2310	27710	QPSK	1	0	4x4MMO	Band 29	10M	722.5	9715		Band 4	20M	2132.5	2175	4x4MMO	Band 4	5M	2152.5	2375	4x4MMO	21.56	21.85
	Band 5	1	10M	836.5	20525	QPSK	1	0	4x4MMO	Band 5	5M	881.2	2597		Band 30	10M	2355	9820	4x4MMO	Band 66	20M	2155	66886	4x4MMO	22.82	23.10
CA_5B-30A-65A	Band 5	2	10M	836.5	20525	QPSK	1	0	4x4MMO	Band 5	5M	881.2	2597		Band 30	10M	2355	9820	4x4MMO	Band 66	20M	2155	66886	4x4MMO	22.08	22.45
	Band 66	1	20M	1745	132322	QPSK	1	0	4x4MMO	Band 30	10M	2355	9820	4x4MMO	Band 5	10M	881.5	2525		Band 5	5M	881.2	2597		22.48	22.71
CA_5B-30A-65A	Band 66	2	20M	1745	132322	QPSK	1	0	4x4MMO	Band 30	10M	2355	9820	4x4MMO	Band 5	10M	881.5	2525		Band 5	5M	881.2	2597		21.45	21.8
	Band 30	1	10M	2310	27710	QPSK	1	0	4x4MMO	Band 66	20M	2155	66886	4x4MMO	Band 5	10M	881.5	2525		Band 5	5M	881.2	2597		23.35	23.59
CA_5B-30A-65A	Band 30	2	10M	2310	27710	QPSK	1	0	4x4MMO	Band 66	20M	2155	66886	4x4MMO	Band 5	10M	881.5	2525		Band 5	5M	881.2	2597		21.50	21.85
	Band 5	1	10M	836.5	20525	QPSK	1	0	4x4MMO	Band 5	5M	881.2	2597		Band 66	20M	2155	66886	4x4MMO	Band 66	20M	2155	66886	4x4MMO	22.84	23.10
CA_5B-30A-65A	Band 5	2	10M	836.5	20525	QPSK	1	0	4x4MMO	Band 5	5M	881.2	2597		Band 66	20M	2155	66886	4x4MMO	Band 66	20M	2155	66886	4x4MMO	22.14	22.45
	Band 66	1	20M	1745	132322	QPSK	1	0	4x4MMO	Band 66	5M	2197.5	67311	4x4MMO	Band 66	20M	2155	66886	4x4MMO	Band 66	20M	2155	66886	4x4MMO	22.48	22.71
CA_5B-30A-65A	Band 66	2	20M	1745	132322	QPSK	1	0	4x4MMO	Band 66	5M	2197.5	67311	4x4MMO	Band 66	20M	2155	66886	4x4MMO	Band 66	20M	2155	66886	4x4MMO	22.48	22.71
	Band 30	1	10M	2310	27710	QPSK	1	0	4x4MMO	Band 5	10M	881.2	2525		Band 66	20M	2155	66886	4x4MMO	Band 66	20M	2155	66886	4x4MMO	22.12	22.49
CA_5B-30A-65A	Band 30	2	10M	2310	27710	QPSK	1	0	4x4MMO	Band 5	10M	881.2	2525		Band 66	20M	2155	66886	4x4MMO	Band 66	20M	2155	66886	4x4MMO	21.45	21.85
	Band 66	1	20M	1745	132322	QPSK	1	0	4x4MMO	Band 66	5M	2197.5	67311	4x4MMO	Band 30	10M	2355	9820	4x4MMO	Band 5	10M	881.5	2525		22.47	22.71
CA_12A-30A-65A-65A	Band 66	2	20M	1745	132322	QPSK	1	0	4x4MMO	Band 66	5M	2197.5	67311	4x4MMO	Band 30	10M	2355	9820	4x4MMO	Band 5	10M	881.5	2525		21.35	21.8
	Band 12	1	10M	707.5	23095	QPSK	1	0	4x4MMO	Band 30	10M	2355	9820	4x4MMO	Band 66	20M	2155	66886	4x4MMO	Band 66	20M	2155	66886	4x4MMO	23.01	23.28
CA_12A-30A-65A-65A	Band 12	2	10M	707.5	23095	QPSK	1	0	4x4MMO	Band 30	10M	2355	9820	4x4MMO	Band 66	20M	2155	66886	4x4MMO	Band 66	20M	2155	66886	4x4MMO	22.12	22.49
	Band 30	1	10M	2310	27710	QPSK	1	0	4x4MMO	Band 66	20M	2155	66886	4x4MMO	Band 66	20M	2155	66886	4x4MMO	Band 12	10M	737.5	5095		23.28	23.59



Reduced Power Mode for Sensor On

2CA DL

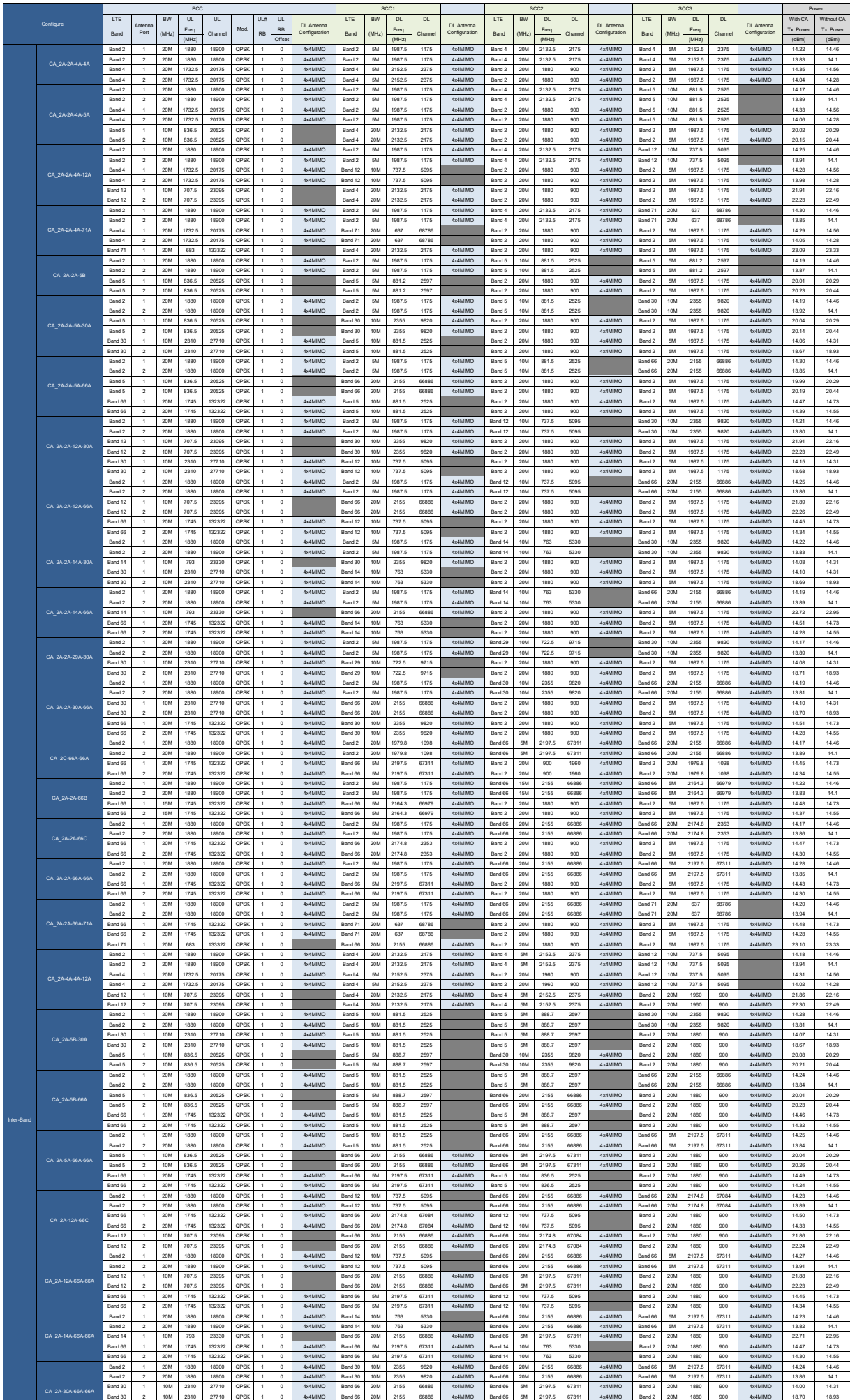
Configure		PCP								SCC				Power			
		LTE	Antenna	BW	UL	UL	UL	UL	DL Antenna	LTE	BW	DL	DL	DL Antenna	With CA	Without CA	
		Band	Port	(MHz)	Freq. (MHz)	Channel	Mod.	RB	RB Offset	Band	(MHz)	Freq. (MHz)	Channel	Configuration	Tx Power (dBm)	Tx Power (dBm)	
Inter-Band	CA_5A-41A	Band 5	1	10M	836.5	25525	QPSK	1	0	Band 41	20M	2593	40620	4x4MIMO	19.96	20.29	
		Band 5	2	10M	836.5	25525	QPSK	1	0	Band 41	20M	2593	40620	4x4MIMO	20.11	20.44	
	CA_25A-41A	Band 41	1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		17.89	18.14
		Band 25	1	20M	1980	26340	QPSK	1	0	4x4MIMO	Band 41	20M	2593	40620	4x4MIMO	16.18	16.47
	CA_26A-41A	Band 41	1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 25	20M	1980	8340	4x4MIMO	17.62	18.14
		Band 26	1	15M	831.5	26865	QPSK	1	0		Band 41	20M	2593	40620	4x4MIMO	22.21	22.40
	CA_26A-41A	Band 41	1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 25	15M	876.5	8865		17.99	18.14
		Band 41	1	20M	2593	40620	QPSK	1	0		Band 25	15M	876.5	8865		17.99	18.14



3CA DL

	Configure	PCC										SCC1						SCC2						Power	
		LTE	Antenna Port	BW (MHz)	UL Freq (MHz)	UL Channel	UL Mod.	UL#	UL RB Offset	DL Antenna Configuration	LTE	Band	BW (MHz)	UL Freq (MHz)	UL Channel	DL Antenna Configuration	LTE	Band	BW (MHz)	UL Freq (MHz)	UL Channel	DL Antenna Configuration	With CA Tx Power (dBm)	Without CA Tx Power (dBm)	
		Band	2	1	20M	1880	18900	QPSK	1	0	4x4MMMO	Band	4	20M	2132.5	2175	4x4MMMO	Band	29	10M	722.5	9715	14.46	14.46	
Inter-Band	CA_2A-4A-25A	Band 2	2	20M	1880	18900	QPSK <td>1</td> <td>0</td> <td>4x4MMMO</td> <td>Band 4</td> <td>20M</td> <td>2132.5<td>2175<td>4x4MMMO</td><td>Band 29</td><td>10M</td><td>722.5<td>9715<td></td><td>13.94</td><td>14.1</td><td></td><td></td></td></td></td></td>	1	0	4x4MMMO	Band 4	20M	2132.5 <td>2175<td>4x4MMMO</td><td>Band 29</td><td>10M</td><td>722.5<td>9715<td></td><td>13.94</td><td>14.1</td><td></td><td></td></td></td></td>	2175 <td>4x4MMMO</td> <td>Band 29</td> <td>10M</td> <td>722.5<td>9715<td></td><td>13.94</td><td>14.1</td><td></td><td></td></td></td>	4x4MMMO	Band 29	10M	722.5 <td>9715<td></td><td>13.94</td><td>14.1</td><td></td><td></td></td>	9715 <td></td> <td>13.94</td> <td>14.1</td> <td></td> <td></td>		13.94	14.1			
		Band 2	2	20M	1880	18900	QPSK <td>1</td> <td>0</td> <td>4x4MMMO</td> <td>Band 4</td> <td>20M</td> <td>2132.5<td>2175<td>4x4MMMO</td><td>Band 29</td><td>10M</td><td>722.5<td>9715<td></td><td>13.94</td><td>14.1</td><td></td><td></td></td></td></td></td>	1	0	4x4MMMO	Band 4	20M	2132.5 <td>2175<td>4x4MMMO</td><td>Band 29</td><td>10M</td><td>722.5<td>9715<td></td><td>13.94</td><td>14.1</td><td></td><td></td></td></td></td>	2175 <td>4x4MMMO</td> <td>Band 29</td> <td>10M</td> <td>722.5<td>9715<td></td><td>13.94</td><td>14.1</td><td></td><td></td></td></td>	4x4MMMO	Band 29	10M	722.5 <td>9715<td></td><td>13.94</td><td>14.1</td><td></td><td></td></td>	9715 <td></td> <td>13.94</td> <td>14.1</td> <td></td> <td></td>		13.94	14.1			
		Band 4	1	20M	1732.5 <td>20175</td> <td>QPSK<td>1</td><td>0</td><td>4x4MMMO</td><td>Band 29</td><td>10M</td><td>722.5<td>9715</td><td></td><td>Band 2</td><td>20M</td><td>1960</td><td>900</td><td>4x4MMMO</td><td>14.38</td><td>14.56</td><td></td><td></td></td></td>	20175	QPSK <td>1</td> <td>0</td> <td>4x4MMMO</td> <td>Band 29</td> <td>10M</td> <td>722.5<td>9715</td><td></td><td>Band 2</td><td>20M</td><td>1960</td><td>900</td><td>4x4MMMO</td><td>14.38</td><td>14.56</td><td></td><td></td></td>	1	0	4x4MMMO	Band 29	10M	722.5 <td>9715</td> <td></td> <td>Band 2</td> <td>20M</td> <td>1960</td> <td>900</td> <td>4x4MMMO</td> <td>14.38</td> <td>14.56</td> <td></td> <td></td>	9715		Band 2	20M	1960	900	4x4MMMO	14.38	14.56			
		Band 4	2	20M	1732.5 <td>20175</td> <td>QPSK<td>1</td><td>0</td><td>4x4MMMO</td><td>Band 29</td><td>10M</td><td>722.5<td>9715</td><td></td><td>Band 2</td><td>20M</td><td>1960</td><td>900</td><td>4x4MMMO</td><td>14.12</td><td>14.28</td><td></td><td></td></td></td>	20175	QPSK <td>1</td> <td>0</td> <td>4x4MMMO</td> <td>Band 29</td> <td>10M</td> <td>722.5<td>9715</td><td></td><td>Band 2</td><td>20M</td><td>1960</td><td>900</td><td>4x4MMMO</td><td>14.12</td><td>14.28</td><td></td><td></td></td>	1	0	4x4MMMO	Band 29	10M	722.5 <td>9715</td> <td></td> <td>Band 2</td> <td>20M</td> <td>1960</td> <td>900</td> <td>4x4MMMO</td> <td>14.12</td> <td>14.28</td> <td></td> <td></td>	9715		Band 2	20M	1960	900	4x4MMMO	14.12	14.28			
	CA_2A-4A-30A	Band 2	1	20M	1880	18900	QPSK <td>1</td> <td>0</td> <td>4x4MMMO</td> <td>Band 4</td> <td>20M</td> <td>2132.5<td>2175</td><td>4x4MMMO</td><td>Band 30</td><td>10M</td><td>2355</td><td>9820</td><td>4x4MMMO</td><td>14.24</td><td>14.46</td><td></td><td></td></td>	1	0	4x4MMMO	Band 4	20M	2132.5 <td>2175</td> <td>4x4MMMO</td> <td>Band 30</td> <td>10M</td> <td>2355</td> <td>9820</td> <td>4x4MMMO</td> <td>14.24</td> <td>14.46</td> <td></td> <td></td>	2175	4x4MMMO	Band 30	10M	2355	9820	4x4MMMO	14.24	14.46			
		Band 2	2	20M	1880	18900	QPSK <td>1</td> <td>0</td> <td>4x4MMMO</td> <td>Band 4</td> <td>20M</td> <td>2132.5<td>2175</td><td>4x4MMMO</td><td>Band 30</td><td>10M</td><td>2355</td><td>9820</td><td>4x4MMMO</td><td>13.89</td><td>14.1</td><td></td><td></td></td>	1	0	4x4MMMO	Band 4	20M	2132.5 <td>2175</td> <td>4x4MMMO</td> <td>Band 30</td> <td>10M</td> <td>2355</td> <td>9820</td> <td>4x4MMMO</td> <td>13.89</td> <td>14.1</td> <td></td> <td></td>	2175	4x4MMMO	Band 30	10M	2355	9820	4x4MMMO	13.89	14.1			
		Band 4	1	20M	1732.5 <td>20175</td> <td>QPSK<td>1</td><td>0</td><td>4x4MMMO</td><td>Band 30</td><td>10M</td><td>2355</td><td>9820</td><td>4x4MMMO</td><td>Band 2</td><td>20M</td><td>1960</td><td>900</td><td>4x4MMMO</td><td>14.38</td><td>14.56</td><td></td><td></td></td>	20175	QPSK <td>1</td> <td>0</td> <td>4x4MMMO</td> <td>Band 30</td> <td>10M</td> <td>2355</td> <td>9820</td> <td>4x4MMMO</td> <td>Band 2</td> <td>20M</td> <td>1960</td> <td>900</td> <td>4x4MMMO</td> <td>14.38</td> <td>14.56</td> <td></td> <td></td>	1	0	4x4MMMO	Band 30	10M	2355	9820	4x4MMMO	Band 2	20M	1960	900	4x4MMMO	14.38	14.56			
		Band 4	2	20M	1732.5 <td>20175</td> <td>QPSK<td>1</td><td>0</td><td>4x4MMMO</td><td>Band 30</td><td>10M</td><td>2355</td><td>9820</td><td>4x4MMMO</td><td>Band 2</td><td>20M</td><td>1960</td><td>900</td><td>4x4MMMO</td><td>14.08</td><td>14.28</td><td></td><td></td></td>	20175	QPSK <td>1</td> <td>0</td> <td>4x4MMMO</td> <td>Band 30</td> <td>10M</td> <td>2355</td> <td>9820</td> <td>4x4MMMO</td> <td>Band 2</td> <td>20M</td> <td>1960</td> <td>900</td> <td>4x4MMMO</td> <td>14.08</td> <td>14.28</td> <td></td> <td></td>	1	0	4x4MMMO	Band 30	10M	2355	9820	4x4MMMO	Band 2	20M	1960	900	4x4MMMO	14.08	14.28			
	CA_2A-29A-66A	Band 30	1	10M	2310	27710	QPSK <td>1</td> <td>0</td> <td>4x4MMMO</td> <td>Band 2</td> <td>20M</td> <td>1960</td> <td>900</td> <td>4x4MMMO</td> <td>Band 4</td> <td>20M</td> <td>2132.5</td> <td>2175</td> <td>4x4MMMO</td> <td>14.22</td> <td>14.31</td> <td></td> <td></td>	1	0	4x4MMMO	Band 2	20M	1960	900	4x4MMMO	Band 4	20M	2132.5	2175	4x4MMMO	14.22	14.31			
		Band 30	2	10M	2310	27710	QPSK <td>1</td> <td>0</td> <td>4x4MMMO</td> <td>Band 2</td> <td>20M</td> <td>1960</td> <td>900</td> <td>4x4MMMO</td> <td>Band 4</td> <td>20M</td> <td>2132.5</td> <td>2175</td> <td>4x4MMMO</td> <td>15.7</td> <td>18.93</td> <td></td> <td></td>	1	0	4x4MMMO	Band 2	20M	1960	900	4x4MMMO	Band 4	20M	2132.5	2175	4x4MMMO	15.7	18.93			
		Band 2	1	20M	1880	18900	QPSK <td>1</td> <td>0</td> <td>4x4MMMO</td> <td>Band 29</td> <td>10M</td> <td>722.5<td>9715</td><td></td><td>Band 66</td><td>20M</td><td>2155</td><td>6688</td><td>4x4MMMO</td><td>14.29</td><td>14.46</td><td></td><td></td></td>	1	0	4x4MMMO	Band 29	10M	722.5 <td>9715</td> <td></td> <td>Band 66</td> <td>20M</td> <td>2155</td> <td>6688</td> <td>4x4MMMO</td> <td>14.29</td> <td>14.46</td> <td></td> <td></td>	9715		Band 66	20M	2155	6688	4x4MMMO	14.29	14.46			
		Band 2	2	20M	1880	18900	QPSK <td>1</td> <td>0</td> <td>4x4MMMO</td> <td>Band 29</td> <td>10M</td> <td>722.5<td>9715</td><td></td><td>Band 66</td><td>20M</td><td>2155</td><td>6688</td><td>4x4MMMO</td><td>13.86</td><td>14.1</td><td></td><td></td></td>	1	0	4x4MMMO	Band 29	10M	722.5 <td>9715</td> <td></td> <td>Band 66</td> <td>20M</td> <td>2155</td> <td>6688</td> <td>4x4MMMO</td> <td>13.86</td> <td>14.1</td> <td></td> <td></td>	9715		Band 66	20M	2155	6688	4x4MMMO	13.86	14.1			
	CA_2A-29A-66A	Band 66	1	20M	1745	132322	QPSK <td>1</td> <td>0</td> <td>4x4MMMO</td> <td>Band 2</td> <td>20M</td> <td>1960</td> <td>900</td> <td>4x4MMMO</td> <td>Band 29</td> <td>10M</td> <td>722.5<td>9715</td><td></td><td>14.51</td><td>14.73</td><td></td><td></td></td>	1	0	4x4MMMO	Band 2	20M	1960	900	4x4MMMO	Band 29	10M	722.5 <td>9715</td> <td></td> <td>14.51</td> <td>14.73</td> <td></td> <td></td>	9715		14.51	14.73			
		Band 66	2	20M	1745	132322	QPSK <td>1</td> <td>0</td> <td>4x4MMMO</td> <td>Band 2</td> <td>20M</td> <td>1960</td> <td>900</td> <td>4x4MMMO</td> <td>Band 29</td> <td>10M</td> <td>722.5<td>9715</td><td></td><td>14.44</td><td>14.55</td><td></td><td></td></td>	1	0	4x4MMMO	Band 2	20M	1960	900	4x4MMMO	Band 29	10M	722.5 <td>9715</td> <td></td> <td>14.44</td> <td>14.55</td> <td></td> <td></td>	9715		14.44	14.55			

Configure	PCC										SCC1				SCC2				Power		
	LTE	Antenna Port	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA
	Band		Freq (MHz)	Channel	RB		RB Offset	Band		Freq (MHz)	Channel	Band	Freq (MHz)		Channel	Tx Power (dBm)	Tx Power (dBm)				
CA_3C-12A	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 2	20M	1979.8	1098	4x4MMMO	Band 12	10M	737.5	5095	4x4MMMO	14.25	14.45
	Band 2	2	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 2	20M	1979.8	1098	4x4MMMO	Band 12	10M	737.5	5095	4x4MMMO	13.94	14.14
	Band 12	1	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900	4x4MMMO	Band 2	20M	1979.8	1098	4x4MMMO	21.97	22.16
	Band 12	2	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900	4x4MMMO	Band 2	20M	1979.8	1098	4x4MMMO	22.25	22.49
CA_4A-4A-71A	Band 4	1	20M	1732.5	20175	QPSK	1	0	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	Band 71	20M	637	66786		14.37	14.56
	Band 4	2	20M	1732.5	20175	QPSK	1	0	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	Band 71	20M	637	66786		14.08	14.28
	Band 71	1	20M	683	133322	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	23.2	23.33
CA_25A-25A-26A	Band 25	1	20M	1880	26340	QPSK	1	0	4x4MMMO	Band 25	5M	1992.5	8655	4x4MMMO	Band 26	15M	876.5	8655		16.33	16.47
	Band 26	1	10M	831.5	26885	QPSK	1	0		Band 25	20M	1960	8940	4x4MMMO	Band 25	5M	1992.5	8655	4x4MMMO	22.15	22.4
	Band 25	1	20M	1880	26340	QPSK	1	0	4x4MMMO	Band 41	20M	2693	40820	4x4MMMO	Band 41	20M	2612.8	40818	4x4MMMO	18.31	18.47
	Band 41	1	20M	2593	40620	QPSK	1	0	4x4MMMO	Band 41	20M	2612.8	40818	4x4MMMO	Band 25	20M	1960	8340	4x4MMMO	17.83	18.14
CA_26A-41C	Band 26	1	15M	831.5	26885	QPSK	1	0		Band 41	20M	2593	40620	4x4MMMO	Band 41	20M	2612.8	40818	4x4MMMO	22.26	22.4
	Band 41	1	20M	2593	40620	QPSK	1	0	4x4MMMO	Band 41	20M	2612.8	40818	4x4MMMO	Band 26	15M	876.5	8655		18.01	18.14
	Band 41	1	20M	2593	40620	QPSK	1	0	4x4MMMO	Band 41	5M	2687.5	41565	4x4MMMO	Band 41	20M	2506	39750	4x4MMMO	18.01	18.14
	Band 41	1	20M	2593	40620	QPSK	1	0	4x4MMMO	Band 41	5M	2687.5	41565	4x4MMMO	Band 41	20M	2510	39790	4x4MMMO	17.96	18.14
CA_41A-41A-41A	Band 66	1	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	5M	2112.5	66461	4x4MMMO	Band 66	10M	2121.8	66554	4x4MMMO	14.51	14.73
	Band 66	2	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	5M	2112.5	66461	4x4MMMO	Band 66	10M	2121.8	66554	4x4MMMO	14.29	14.55
	Band 66	1	15M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	5M	2164.3	66979	4x4MMMO	Band 66	20M	2120	66536	4x4MMMO	14.45	14.62
	Band 66	2	10M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	20M	2164.3	66979	4x4MMMO	Band 66	20M	2120	66536	4x4MMMO	13.89	14.06
CA_66A-66B	Band 66	1	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	5M	2112.5	66461	4x4MMMO	Band 66	20M	2124.2	66578	4x4MMMO	14.64	14.73
	Band 66	2	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	5M	2112.5	66461	4x4MMMO	Band 66	20M	2124.2	66578	4x4MMMO	14.32	14.55
	Band 66	1	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	20M	2174.8	67084	4x4MMMO	Band 66	5M	2112.5	66461	4x4MMMO	14.57	14.73
	Band 66	2	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	20M	2174.8	67084	4x4MMMO	Band 66	5M	2112.5	66461	4x4MMMO	14.36	14.55



CA_2A-65A-65A-65A	Band 66	1	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 30	10M	2310	9820	4x4MMMO	Band 2	20M	1880	900	4x4MMMO	14.52	14.73
	Band 66	2	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 30	10M	2310	9820	4x4MMMO	Band 2	20M	1880	900	4x4MMMO	14.32	14.55
	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	14.24	14.46
	Band 2	2	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	13.83	14.1
CA_2A-65C-71A	Band 66	1	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 2	20M	1880	900	4x4MMMO	14.44	14.73
	Band 66	2	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 2	20M	1880	900	4x4MMMO	14.34	14.55
	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 66	20M	2174.8	67084	4x4MMMO	Band 71	20M	637	68786		14.30	14.46
	Band 2	2	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 66	20M	2174.8	67084	4x4MMMO	Band 71	20M	637	68786		13.85	14.1
CA_2A-65A-65A-71A	Band 71	1	20M	683	133322	QPSK	1	0	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 66	20M	2174.8	67084	4x4MMMO	Band 2	20M	1880	900	4x4MMMO	23.03	23.33
	Band 66	1	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	20M	2164.8	66984	4x4MMMO	Band 71	20M	637	68786		Band 2	20M	1880	900	4x4MMMO	14.49	14.73
	Band 66	2	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	20M	2164.8	66984	4x4MMMO	Band 71	20M	637	68786		Band 2	20M	1880	900	4x4MMMO	14.28	14.55
	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 71	20M	637	68786		14.25	14.46
CA_4A-4A-5A-35A	Band 66	2	20M	683	133322	QPSK	1	0	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 2	20M	1880	900	4x4MMMO	13.88	14.1
	Band 66	1	20M	683	133322	QPSK	1	0	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 71	20M	637	68786		Band 2	20M	1880	900	4x4MMMO	14.46	14.73
	Band 66	2	20M	683	133322	QPSK	1	0	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 71	20M	637	68786		Band 2	20M	1880	900	4x4MMMO	14.26	14.55
	Band 71	1	20M	683	133322	QPSK	1	0	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 2	20M	1880	900	4x4MMMO	23.12	23.33
CA_4A-4A-12A-35A	Band 4	1	20M	1732.5	20175	QPSK	1	0	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	Band 5	10M	881.5	2525		Band 30	10M	2355	9820	4x4MMMO	14.33	14.56
	Band 4	2	20M	1732.5	20175	QPSK	1	0	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	Band 5	10M	881.5	2525		Band 30	10M	2355	9820	4x4MMMO	14.06	14.28
	Band 5	1	10M	836.5	20525	QPSK	1	0		Band 30	10M	2355	9820	4x4MMMO	Band 4	20M	2132.5	2175	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	14.04	14.31
	Band 5	2	10M	836.5	20525	QPSK	1	0		Band 30	10M	2355	9820	4x4MMMO	Band 4	20M	2132.5	2175	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	18.84	18.93
CA_4A-4A-12A-35A	Band 30	1	10M	2310	27710	QPSK	1	0	4x4MMMO	Band 5	10M	881.5	2525		Band 4	20M	2132.5	2175	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	14.10	14.31
	Band 30	2	10M	2310	27710	QPSK	1	0	4x4MMMO	Band 5	10M	881.5	2525		Band 4	20M	2132.5	2175	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	18.75	18.93
	Band 4	1	20M	1732.5	20175	QPSK	1	0	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	Band 12	10M	737.5	5095		Band 30	10M	2355	9820	4x4MMMO	14.34	14.56
	Band 4	2	20M	1732.5	20175	QPSK	1	0	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	Band 12	10M	737.5	5095		Band 30	10M	2355	9820	4x4MMMO	14.07	14.28
CA_4A-4A-12A-35A	Band 12	1	10M	707.5	23095	QPSK	1	0		Band 30	10M	2355	9820	4x4MMMO	Band 4	20M	2132.5	2175	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	21.87	22.16
	Band 12	2	10M	707.5	23095	QPSK	1	0		Band 30	10M	2355	9820	4x4MMMO	Band 4	20M	2132.5	2175	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	22.30	22.49
	Band 30	1	10M	2310	27710	QPSK	1	0	4x4MMMO	Band 12	10M	737.5	5095		Band 4	20M	2132.5	2175	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	14.20	14.31
	Band 30	2	10M	2310	27710	QPSK	1	0	4x4MMMO	Band 12	10M	737.5	5095		Band 4	20M	2132.5	2175	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	18.67	18.93
CA_4A-4A-12A-35A	Band 4	1	20M	1732.5	20175	QPSK	1	0	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	Band 29	10M	722.5	9715		Band 30	10M	2355	9820	4x4MMMO	14.26	14.56
	Band 4	2	20M	1732.5	20175	QPSK	1	0	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	Band 29	10M	722.5	9715		Band 30	10M	2355	9820	4x4MMMO	14.03	14.28
	Band 30	1	10M	2310	27710	QPSK	1	0	4x4MMMO	Band 29	10M	722.5	9715		Band 4	20M	2132.5	2175	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	14.05	14.31
	Band 30	2	10M	2310	27710	QPSK	1	0	4x4MMMO	Band 29	10M	722.5	9715		Band 4	20M	2132.5	2175	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	18.75	18.93
CA_5B-30A-65A	Band 5	1	10M	836.5	20525	QPSK	1	0		Band 5	5M	881.2	2597		Band 30	10M	2355	9820	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	20.20	20.29
	Band 5	2	10M	836.5	20525	QPSK	1	0		Band 5	5M	881.2	2597		Band 30	10M	2355	9820	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	20.20	20.44
	Band 66	1	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 30	10M	2355	9820	4x4MMMO	Band 5	10M	881.5	2525		Band 5	5M	881.2	2597		14.47	14.73
	Band 30	1	10M	2310	27710	QPSK	1	0	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 5	10M	881.5	2525		Band 5	5M	881.2	2597		14.30	14.55
CA_5B-30A-65A	Band 30	2	10M	2310	27710	QPSK	1	0	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 5	10M	881.5	2525		Band 5	5M	881.2	2597		14.13	14.31
	Band 5	1	10M	836.5	20525	QPSK	1	0		Band 5	5M	881.2	2597		Band 66	20M	2155	66886	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	20.02	20.29
	Band 5	2	10M	836.5	20525	QPSK	1	0		Band 5	5M	881.2	2597		Band 66	20M	2155	66886	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	20.15	20.44
	Band 66	1	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 5	10M	881.5	2525		Band 5	5M	881.2	2597		14.52	14.73
CA_5B-30A-65A	Band 66	2	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 5	10M	881.5	2525		Band 5	5M	881.2	2597		14.27	14.56
	Band 5	1	10M	836.5	20525	QPSK	1	0		Band 30	10M	2355	9820	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	20.07	20.29
	Band 5	2	10M	836.5	20525	QPSK	1	0		Band 30	10M	2355	9820	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	20.17	20.44
	Band 30	1	10M	2310	27710	QPSK	1	0	4x4MMMO	Band 5	10M	881.2	2525		Band 66	20M	2155	66886	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	14.02	14.31
CA_5A-30A-65A-65A	Band 30	2	10M	2310	27710	QPSK	1	0	4x4MMMO	Band 5	10M	881.2	2525		Band 66	20M	2155	66886	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	18.72	18.93
	Band 66	1	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 30	10M	2355	9820	4x4MMMO	Band 5	10M	881.5	2525		14.50	14.73
	Band 66	2	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 30	10M	2355	9820	4x4MMMO	Band 5	10M	881.5	2525		14.33	14.55
	Band 12	1	10M	707.5	23095	QPSK	1	0		Band 30	10M	2355	9820	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	21.89	22.16
CA_12A-30A-65A-65A	Band																									



Reduced Power Mode for Hotspot on

2CA DL

Configure		PCD								SCC				Power			
		LTE	Antenna Port	BW (MHz)	Freq. Channel	Mod.	UL RB	UL Offset	DL Antenna Configuration	LTE	BW (MHz)	Freq. Channel	DL Antenna Configuration	With CA Tx Power (dBm)	Without CA Tx Power (dBm)		
Inter-Band	CA_5A-41A	Band 5	1	10M	836.5	25525	QPSK	1	0		Band 41	20M	2593	40620	4x4MMMO	19.96	20.29
		Band 5	2	10M	836.5	25525	QPSK	1	0		Band 41	20M	2593	40620	4x4MMMO	19.75	19.93
	CA_25A-41A	Band 41	1	20M	2593	40620	QPSK	1	0	4x4MMMO	Band 5	10M	881.5	2525		16.67	16.83
		Band 25	1	20M	1980	26340	QPSK	1	0	4x4MMMO	Band 41	20M	2593	40620	4x4MMMO	15.13	15.31
	CA_26A-41A	Band 41	1	20M	2593	40620	QPSK	1	0	4x4MMMO	Band 25	20M	1960	8340	4x4MMMO	16.49	16.83
		Band 26	1	15M	831.5	26865	QPSK	1	0		Band 41	20M	2593	40620	4x4MMMO	22.21	22.40
	CA_26A-41A	Band 41	1	20M	2593	40620	QPSK	1	0	4x4MMMO	Band 26	10M	876.5	8865		16.52	16.83
		Band 41	1	20M	2593	40620	QPSK	1	0		Band 26	10M	876.5	8865		16.52	16.83



3CA DL

	Configure	PCC										SCC1						SCC2						Power	
		LTE	Antenna Port	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA			
		Band		Freq. (MHz)	Channel	RB		RB Offset	Band		Freq. (MHz)	Channel	Band	Freq. (MHz)		Channel	(dBm)	Tx Power	Tx Power						
Inter-Band	CA_2A-4A-25A	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 4	20M	2132.5	2175	4x4MMMO	Band 29	10M	722.5	9715		12.07	12.26			
		Band 2	2	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 4	20M	2132.5	2175	4x4MMMO	Band 29	10M	722.5	9715		12.96	13.19			
		Band 4	1	20M	1732.5	20175	QPSK	1	0	4x4MMMO	Band 29	10M	722.5	9715		Band 2	20M	1960	900	4x4MMMO	12.28	12.5			
		Band 4	2	20M	1732.5	20175	QPSK	1	0	4x4MMMO	Band 29	10M	722.5	9715		Band 2	20M	1960	900	4x4MMMO	12.17	12.42			
	CA_2A-4A-30A	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 4	20M	2132.5	2175	4x4MMMO	Band 30	10M	2355	9820	4x4MMMO	12	12.26			
		Band 2	2	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 4	20M	2132.5	2175	4x4MMMO	Band 30	10M	2355	9820	4x4MMMO	13.02	13.19			
		Band 4	1	20M	1732.5	20175	QPSK	1	0	4x4MMMO	Band 30	10M	2355	9820	4x4MMMO	Band 2	20M	1960	900	4x4MMMO	12.25	12.5			
		Band 4	2	20M	1732.5	20175	QPSK	1	0	4x4MMMO	Band 30	10M	2355	9820	4x4MMMO	Band 2	20M	1960	900	4x4MMMO	12.16	12.42			
		Band 30	1	10M	2310	27710	QPSK	1	0	4x4MMMO	Band 2	20M	1960	900	4x4MMMO	Band 4	20M	2132.5	2175	4x4MMMO	12.04	12.33			
		Band 30	2	10M	2310	27710	QPSK	1	0	4x4MMMO	Band 2	20M	1960	900	4x4MMMO	Band 4	20M	2132.5	2175	4x4MMMO	15.86	16.1			
	CA_2A-29A-66A	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 29	10M	722.5	9715		Band 66	20M	2155	6688	4x4MMMO	12.08	12.26			
		Band 2	2	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 29	10M	722.5	9715		Band 66	20M	2155	6688	4x4MMMO	12.96	13.19			
		Band 66	1	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 2	20M	1960	900	4x4MMMO	Band 29	10M	722.5	9715		12.51	12.72			
		Band 66	2	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 2	20M	1960	900	4x4MMMO	Band 29	10M	722.5	9715		12.3	12.58			

Configure	PCC										SCC1				SCC2				Power		
	LTE	Antenna Port	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA Tx Power (dBm)	Without CA Tx Power (dBm)
	Band		Freq (MHz)	Channel	RB		RB Offset	Band		Freq (MHz)	Channel	Band	Freq (MHz)		Channel	Band	Freq (MHz)	Channel			
CA_3C-12A	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 2	20M	1979.8	1098	4x4MMMO	Band 12	10M	737.5	5095	4x4MMMO	11.94	12.25
	Band 2	2	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 2	20M	1979.8	1098	4x4MMMO	Band 12	10M	737.5	5095	4x4MMMO	12.99	13.19
	Band 12	1	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900	4x4MMMO	Band 2	20M	1979.8	1098	4x4MMMO	21.96	22.16
	Band 12	2	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900	4x4MMMO	Band 2	20M	1979.8	1098	4x4MMMO	22.3	22.49
CA_4A-4A-71A	Band 4	1	20M	1732.5	20175	QPSK	1	0	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	Band 71	20M	637	66786	4x4MMMO	12.26	12.5
	Band 71	1	20M	683	133322	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	12.11	12.42
CA_25A-25A-26A	Band 25	1	20M	1880	26340	QPSK	1	0	4x4MMMO	Band 25	5M	1952.5	8655	4x4MMMO	Band 26	15M	876.5	8655	4x4MMMO	15.06	15.31
	Band 26	1	10M	831.5	26885	QPSK	1	0		Band 25	20M	1960	8340	4x4MMMO	Band 25	5M	1952.5	8655	4x4MMMO	22.25	22.4
CA_25A-41C	Band 25	1	20M	1880	26340	QPSK	1	0	4x4MMMO	Band 41	20M	2693	40620	4x4MMMO	Band 41	20M	2612.8	40618	4x4MMMO	15.35	15.31
	Band 41	1	20M	2593	40620	QPSK	1	0	4x4MMMO	Band 41	20M	2612.8	40618	4x4MMMO	Band 25	20M	1960	8340	4x4MMMO	16.6	16.63
CA_26A-41C	Band 26	1	10M	831.5	26885	QPSK	1	0		Band 41	20M	2593	40620	4x4MMMO	Band 41	20M	2612.8	40618	4x4MMMO	22.15	22.4
	Band 41	1	20M	2593	40620	QPSK	1	0	4x4MMMO	Band 41	20M	2612.8	40618	4x4MMMO	Band 26	15M	876.5	8655	4x4MMMO	16.5	16.63
CA_41A-41A-41A	Band 41	1	20M	2593	40620	QPSK	1	0	4x4MMMO	Band 41	5M	2687.5	41565	4x4MMMO	Band 41	20M	2506	39750	4x4MMMO	16.61	16.63
	Band 41	1	20M	2593	40620	QPSK	1	0	4x4MMMO	Band 41	5M	2687.5	41565	4x4MMMO	Band 41	20M	2510	39790	4x4MMMO	16.58	16.63
CA_66A-66B	Band 66	1	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	5M	2112.5	66461	4x4MMMO	Band 66	10M	2121.8	66554	4x4MMMO	12.47	12.72
	Band 66	2	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	5M	2112.5	66461	4x4MMMO	Band 66	10M	2121.8	66554	4x4MMMO	12.43	12.58
	Band 66	1	15M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	5M	2164.3	66979	4x4MMMO	Band 66	20M	2120	66536	4x4MMMO	12.19	12.46
	Band 66	2	10M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	5M	2164.3	66979	4x4MMMO	Band 66	20M	2120	66536	4x4MMMO	12.35	12.36
CA_66A-66C	Band 66	1	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	5M	2112.5	66461	4x4MMMO	Band 66	20M	2124.2	66578	4x4MMMO	12.42	12.72
	Band 66	2	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	5M	2112.5	66461	4x4MMMO	Band 66	20M	2124.2	66578	4x4MMMO	12.34	12.58
	Band 66	1	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	20M	2174.8	67084	4x4MMMO	Band 66	5M	2112.5	66461	4x4MMMO	12.54	12.72
	Band 66	2	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	20M	2174.8	67084	4x4MMMO	Band 66	5M	2112.5	66461	4x4MMMO	12.37	12.58



4CA DL

Configure	PCC										SCC1										SCC2										SCC3										Power	
	LTE	Antenna Port	BW (MHz)	UL Freq (MHz)	UL Channel	Mod	UL#	UL RB Offset	DL Antenna Configuration	LTE	BW (MHz)	DL Freq (MHz)	DL Channel	DL Antenna Configuration	LTE	BW (MHz)	DL Freq (MHz)	DL Channel	DL Antenna Configuration	LTE	BW (MHz)	DL Freq (MHz)	DL Channel	DL Antenna Configuration	With CA Tx Power (dBm)	Without CA Tx Power (dBm)																
	Band										Band					Band					Band																					
CA_2A-2A-4A-4A	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	Band 4	SM	2132.5	2175	4x4MMMO	Band 4	SM	2152.5	2375	4x4MMMO	12.11	12.26																
	Band 2	2	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	Band 4	SM	2132.5	2175	4x4MMMO	Band 4	SM	2152.5	2375	4x4MMMO	13.00	13.19																
	Band 4	1	20M	1732.5	20175	QPSK	1	0	4x4MMMO	Band 4	SM	2152.5	2375	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	12.31	12.51																
	Band 4	2	20M	1732.5	20175	QPSK	1	0	4x4MMMO	Band 4	SM	2152.5	2375	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	12.26	12.42																
	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	Band 4	SM	2132.5	2175	4x4MMMO	Band 5	10M	881.5	2525	4x4MMMO	12.16	12.36																
CA_2A-2A-4A-5A	Band 2	2	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	Band 4	SM	2132.5	2175	4x4MMMO	Band 5	10M	881.5	2525	4x4MMMO	12.22	12.42																
	Band 4	1	20M	1732.5	20175	QPSK	1	0	4x4MMMO	Band 4	SM	1987.5	1175	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	Band 5	10M	881.5	2525	4x4MMMO	12.26	12.51																
	Band 4	2	20M	1732.5	20175	QPSK	1	0	4x4MMMO	Band 4	SM	1987.5	1175	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	Band 5	10M	881.5	2525	4x4MMMO	12.22	12.42																
	Band 5	1	10M	836.5	20525	QPSK	1	0	4x4MMMO	Band 4	SM	2132.5	2175	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	20.10	20.29																
	Band 5	2	10M	836.5	20525	QPSK	1	0	4x4MMMO	Band 4	SM	2132.5	2175	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	20.28	20.44																
CA_2A-2A-4A-12A	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	Band 4	SM	2132.5	2175	4x4MMMO	Band 12	10M	737.5	5095	4x4MMMO	12.09	12.29																
	Band 2	2	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	Band 4	SM	2132.5	2175	4x4MMMO	Band 12	10M	737.5	5095	4x4MMMO	12.06	13.16																
	Band 4	1	20M	1732.5	20175	QPSK	1	0	4x4MMMO	Band 12	10M	737.5	5095	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	22.06	22.16																
	Band 4	2	20M	1732.5	20175	QPSK	1	0	4x4MMMO	Band 12	10M	737.5	5095	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	22.30	22.49																
	Band 12	1	10M	707.5	23095	QPSK	1	0	4x4MMMO	Band 4	SM	2132.5	2175	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	12.21	12.5																
CA_2A-2A-4A-71A	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 71	20M	637	68786	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	12.22	12.42																
	Band 2	2	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 71	20M	637	68786	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	13.02	13.19																
	Band 4	1	20M	1732.5	20175	QPSK	1	0	4x4MMMO	Band 71	20M	637	68786	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	12.22	12.42																
	Band 4	2	20M	1732.5	20175	QPSK	1	0	4x4MMMO	Band 71	20M	637	68786	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	23.14	23.33																
	Band 71	1	20M	683	133322	QPSK	1	0	4x4MMMO	Band 4	SM	2132.5	2175	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	12.09	12.28																
CA_2A-2A-5B	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	Band 5	10M	881.5	2525	4x4MMMO	Band 5	SM	881.2	2597	4x4MMMO	12.02	12.36																
	Band 2	2	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	Band 5	10M	881.5	2525	4x4MMMO	Band 5	SM	881.2	2597	4x4MMMO	13.00	13.19																
	Band 5	1	10M	836.5	20525	QPSK	1	0	4x4MMMO	Band 5	SM	881.2	2597	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	20.13	20.29																
	Band 5	2	10M	836.5	20525	QPSK	1	0	4x4MMMO	Band 5	SM	881.2	2597	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	20.24	20.44																
	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	Band 5	10M	881.5	2525	4x4MMMO	Band 30	10M	2355	9820	4x4MMMO	12.07	12.36																
CA_2A-2A-5A-30A	Band 2	2	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	Band 30	10M	2355	9820	4x4MMMO	12.05	12.19																
	Band 5	1	10M	836.5	20525	QPSK	1	0	4x4MMMO	Band 30	10M	2355	9820	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	20.12	20.29																
	Band 5	2	10M	836.5	20525	QPSK	1	0	4x4MMMO	Band 30	10M	2355	9820	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	20.29	20.44																
	Band 30	1	10M	2310	27710	QPSK	1	0	4x4MMMO	Band 5	10M	881.5	2525	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	12.13	12.33																
	Band 30	2	10M	2310	27710	QPSK	1	0	4x4MMMO	Band 5	10M	881.5	2525	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	15.91	16.1																
CA_2A-2A-4A-65A	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	Band 5	10M	881.5	2525	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	11.97	12.28																
	Band 2	2	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	Band 5	10M	881.5	2525	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	13.00	13.19																
	Band 5	1	10M	836.5	20525	QPSK	1	0	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	20.13	20.29																
	Band 5	2	10M	836.5	20525	QPSK	1	0	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	20.28	20.44																
	Band 66	1	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 5	10M	881.5	2525	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	12.56	12.72																
CA_2A-2A-12A-30A	Band 66	2	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 5	10M	881.5	2525	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	12.34	12.58																
	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	Band 12	10M	737.5	5095	4x4MMMO	Band 30	10M	2355	9820	4x4MMMO	12.05	12.25																
	Band 2	2	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	Band 12	10M	737.5	5095	4x4MMMO	Band 30	10M	2355	9820	4x4MMMO	12.04	12.24																
	Band 12	1	10M	707.5	23095	QPSK	1	0	4x4MMMO	Band 30	10M	2355	9820	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	21.96	22.16																
	Band 12	2	10M	707.5	23095	QPSK	1	0	4x4MMMO	Band 30	10M	2355	9820	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	22.30	22.49																
CA_2A-2A-12A-66A	Band 30	1	10M	2310	27710	QPSK	1	0	4x4MMMO	Band 12	10M	737.5	5095	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	12.09	12.33																
	Band 30	2	10M	2310	27710	QPSK	1	0	4x4MMMO	Band 12	10M	737.5	5095	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	15.91	16.1																
	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	Band 12	10M	737.5	5095	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	12.10	12.26																
	Band 12	1	10M	707.5	23095	QPSK	1	0	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	Band 2	SM	1987.5	1175	4x4MMMO	13.03	13.19																

CA_3A-65A-65A-65A	Band 66	1	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 30	10M	2310	9820	4x4MMMO	Band 2	20M	1880	900	4x4MMMO	12.51	12.72
	Band 66	2	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 30	10M	2310	9820	4x4MMMO	Band 2	20M	1880	900	4x4MMMO	12.24	12.58
	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	12.11	12.26
	Band 2	2	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	13.98	13.19
	Band 66	1	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 2	20M	1880	900	4x4MMMO	12.48	12.72
	Band 66	2	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 2	20M	1880	900	4x4MMMO	12.37	12.58
	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 66	20M	2174.8	67084	4x4MMMO	Band 71	20M	637	68786		11.92	12.26
	Band 2	2	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 66	20M	2174.8	67084	4x4MMMO	Band 71	20M	637	68786		13.04	13.19
	Band 71	1	20M	683	133322	QPSK	1	0	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 66	20M	2174.8	67084	4x4MMMO	Band 2	20M	1880	900	4x4MMMO	23.18	23.33
	Band 66	1	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	20M	2164.8	66984	4x4MMMO	Band 71	20M	637	68786		Band 2	20M	1880	900	4x4MMMO	12.48	12.72
	Band 66	2	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	20M	2164.8	66984	4x4MMMO	Band 71	20M	637	68786		Band 2	20M	1880	900	4x4MMMO	12.37	12.58
	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 71	20M	637	68786		11.87	12.26
CA_2A-65A-65A-71A	Band 2	2	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 71	20M	637	68786		13.98	13.19
	Band 66	1	20M	683	133322	QPSK	1	0	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 71	20M	637	68786		Band 2	20M	1880	900	4x4MMMO	12.58	12.72
	Band 66	2	20M	683	133322	QPSK	1	0	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 71	20M	637	68786		Band 2	20M	1880	900	4x4MMMO	12.34	12.58
	Band 71	1	20M	683	133322	QPSK	1	0	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 2	20M	1880	900	4x4MMMO	23.12	23.33
	Band 4	1	20M	1732.5	20175	QPSK	1	0	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	Band 5	10M	881.5	2525		Band 30	10M	2355	9820	4x4MMMO	12.16	12.5
	Band 4	2	20M	1732.5	20175	QPSK	1	0	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	Band 5	10M	881.5	2525		Band 30	10M	2355	9820	4x4MMMO	12.29	12.42
	Band 5	1	10M	836.5	20525	QPSK	1	0		Band 30	10M	2355	9820	4x4MMMO	Band 4	20M	2132.5	2175	4x4MMMO	Band 4	8M	2152.5	2375	4x4MMMO	20.16	20.29
	Band 5	2	10M	836.5	20525	QPSK	1	0		Band 30	10M	2355	9820	4x4MMMO	Band 4	20M	2132.5	2175	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	20.16	20.44
	Band 30	1	10M	2310	27710	QPSK	1	0	4x4MMMO	Band 5	10M	881.5	2525		Band 4	20M	2132.5	2175	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	12.10	12.33
	Band 30	2	10M	2310	27710	QPSK	1	0	4x4MMMO	Band 5	10M	881.5	2525		Band 4	20M	2132.5	2175	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	15.76	16.1
	Band 4	1	20M	1732.5	20175	QPSK	1	0	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	Band 12	10M	737.5	5095		Band 30	10M	2355	9820	4x4MMMO	12.35	12.5
	Band 4	2	20M	1732.5	20175	QPSK	1	0	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	Band 12	10M	737.5	5095		Band 30	10M	2355	9820	4x4MMMO	12.28	12.42
CA_4A-4A-12A-35A	Band 12	1	10M	707.5	23095	QPSK	1	0		Band 30	10M	2355	9820	4x4MMMO	Band 4	20M	2132.5	2175	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	21.88	22.16
	Band 12	2	10M	707.5	23095	QPSK	1	0		Band 30	10M	2355	9820	4x4MMMO	Band 4	20M	2132.5	2175	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	22.26	22.49
	Band 30	1	10M	2310	27710	QPSK	1	0	4x4MMMO	Band 12	10M	737.5	5095		Band 4	20M	2132.5	2175	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	11.94	12.33
	Band 30	2	10M	2310	27710	QPSK	1	0	4x4MMMO	Band 12	10M	737.5	5095		Band 4	20M	2132.5	2175	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	15.97	16.1
	Band 4	1	20M	1732.5	20175	QPSK	1	0	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	Band 29	10M	722.5	9715		Band 30	10M	2355	9820	4x4MMMO	12.36	12.5
	Band 4	2	20M	1732.5	20175	QPSK	1	0	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	Band 29	10M	722.5	9715		Band 30	10M	2355	9820	4x4MMMO	12.14	12.42
	Band 30	1	10M	2310	27710	QPSK	1	0	4x4MMMO	Band 29	10M	722.5	9715		Band 4	20M	2132.5	2175	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	12.10	12.33
	Band 30	2	10M	2310	27710	QPSK	1	0	4x4MMMO	Band 29	10M	722.5	9715		Band 4	20M	2132.5	2175	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	15.77	16.1
	Band 5	1	10M	836.5	20525	QPSK	1	0		Band 5	5M	881.2	2597		Band 30	10M	2355	9820	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	20.14	20.29
	Band 5	2	10M	836.5	20525	QPSK	1	0		Band 5	5M	881.2	2597		Band 30	10M	2355	9820	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	20.30	20.44
	Band 66	1	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 30	10M	2355	9820	4x4MMMO	Band 5	10M	881.5	2525		Band 5	5M	881.2	2597		12.48	12.72
	Band 66	2	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 30	10M	2355	9820	4x4MMMO	Band 5	10M	881.5	2525		Band 5	5M	881.2	2597		12.37	12.58
CA_1B-30A-65A	Band 30	1	10M	2310	27710	QPSK	1	0	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 5	10M	881.5	2525		Band 5	5M	881.2	2597		11.94	12.33
	Band 30	2	10M	2310	27710	QPSK	1	0	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 5	10M	881.5	2525		Band 5	5M	881.2	2597		15.97	16.1
	Band 5	1	10M	836.5	20525	QPSK	1	0		Band 5	5M	881.2	2597		Band 66	20M	2155	66886	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	20.16	20.29
	Band 5	2	10M	836.5	20525	QPSK	1	0		Band 5	5M	881.2	2597		Band 66	20M	2155	66886	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	20.20	20.44
	Band 66	1	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 5	10M	881.5	2525		Band 5	5M	881.2	2597		12.51	12.72
	Band 66	2	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 5	10M	881.5	2525		Band 5	5M	881.2	2597		12.24	12.58
	Band 30	1	10M	2310	27710	QPSK	1	0	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	20.14	20.29
	Band 30	2	10M	2310	27710	QPSK	1	0	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	20.30	20.44
	Band 5	1	10M	836.5	20525	QPSK	1	0		Band 5	5M	881.2	2597		Band 66	20M	2155	66886	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	12.13	12.33
	Band 5	2	10M	836.5	20525	QPSK	1	0		Band 5	5M	881.2	2597		Band 66	20M	2155	66886	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	12.13	12.33
	Band 30	1	10M	2310	27710	QPSK	1	0	4x4MMMO	Band 5	10M	881.2	2525		Band 66	20M	2155	66886	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	15.91	16.1
	Band 30	2	10M	2310	27710	QPSK	1	0	4x4MMMO	Band 5	10M	881.2	2525		Band 66	20M	2155	66886	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	12.38	12.72
CA_12A-30A-65A-65A	Band 66	1	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 30	10M	2355	9820	4x4MMMO	Band 5	10M	881.5	2525		12.43	12.58
	Band 66	2	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 30	10M	2355	9820	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	22.01	22.16
	Band 12	1	10M	707.5	23095	QPSK	1	0		Band 30	10M	2355	9820	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	22.29	22.49
	Band 30	1	10M	2310	27710	QPSK	1	0	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 12	10M	737.5	5095		12.14	1



Reduced Power Mode for Handheld on

2CA DL

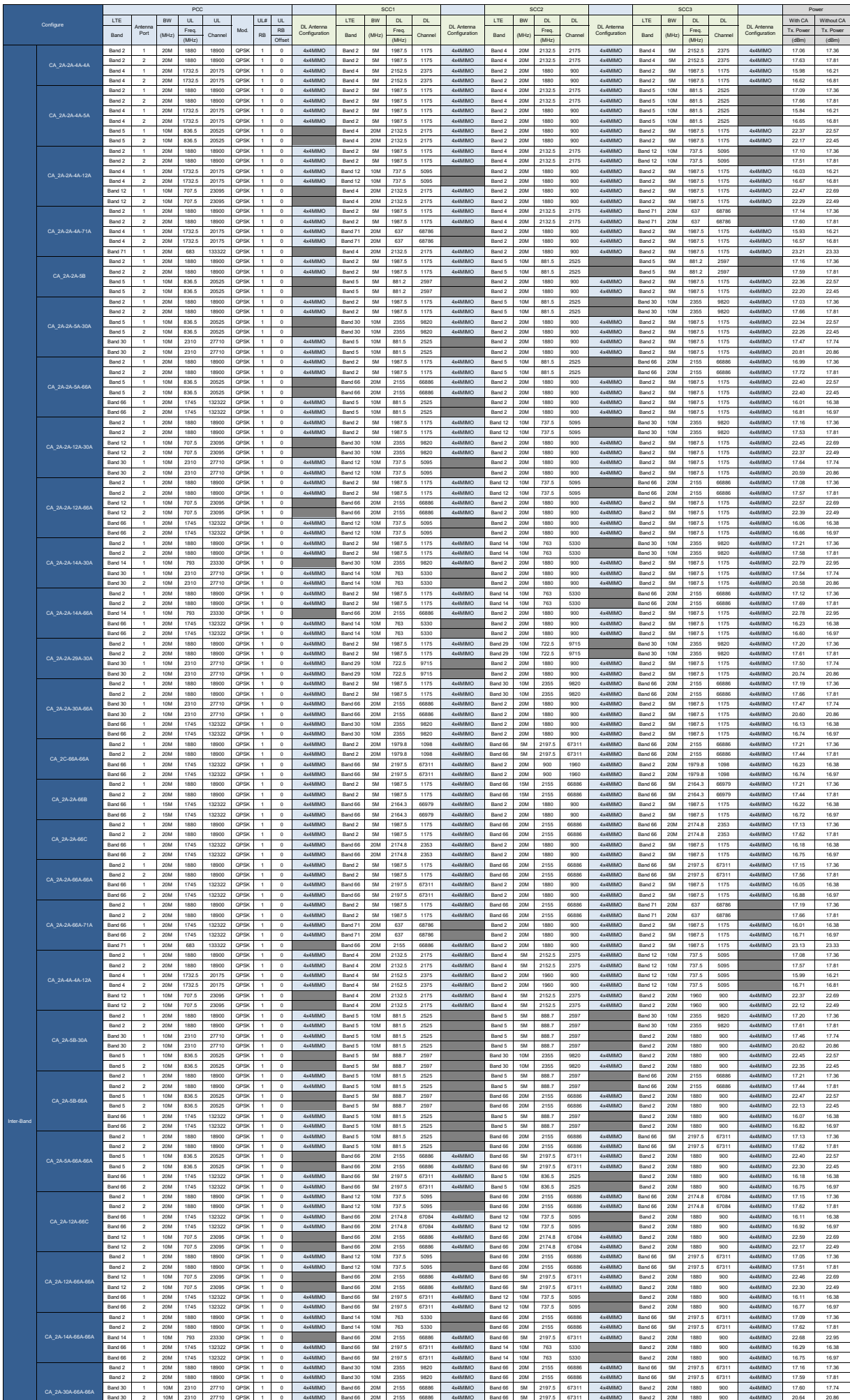
Configure		PCG										SCC				Power	
		LTE	Antenna Port	BW	UL#	DL	Mod	UL#	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA
		Band		(MHz)	Freq	Channel		RB	RB	Offset	Band	(MHz)	Freq	Channel		Tx Power	Tx Power
																(dBm)	(dBm)
Inter-Band	CA_SA-41A	Band 5	1	10M	836.5	20525	QPSK	1	0		Band 41	20M	2553	40620	4x4MMIMO	22.34	22.57
		Band 5	2	10M	836.5	20525	QPSK	1	0		Band 41	20M	2553	40620	4x4MMIMO	22.19	22.45
	CA_25A-41A	Band 41	1	20M	2553	40620	QPSK	1	0	4x4MMIMO	Band 5	10M	831.5	20525		21.42	21.78
		Band 25	1	20M	1880	36340	QPSK	1	0	4x4MMIMO	Band 41	20M	2553	40620	4x4MMIMO	20.19	20.34
	CA_25A-41A	Band 41	1	20M	2553	40620	QPSK	1	0	4x4MMIMO	Band 25	20M	1880	36340	4x4MMIMO	21.46	21.78
		Band 25	1	15M	831.5	25895	QPSK	1	0		Band 41	20M	2553	40620	4x4MMIMO	22.98	23.22
	CA_25A-41A	Band 41	1	20M	2553	40620	QPSK	1	0	4x4MMIMO	Band 25	15M	876.5	8695		21.49	21.78
		Band 41	1	20M	2553	40620	QPSK	1	0	4x4MMIMO	Band 25	15M	876.5	8695		21.49	21.78



3CA DL

Configure	PCC										SCC1				SCC2				Power					
	LTE	Antenna Port	BW (MHz)	UL Freq (MHz)	UL Channel	UL#	UL RB Offset	DL Antenna Configuration	LTE	BW (MHz)	DL Freq (MHz)	DL Channel	DL Antenna Configuration	LTE	BW (MHz)	DL Freq (MHz)	DL Channel	DL Antenna Configuration	With CA Tx Power (dBm)	Without CA Tx Power (dBm)				
	Band		20M	1880	18900	QPSK	1		0	4x4MIMO	Band	20M		2132.5	2175	4x4MIMO	Band		29M	722.5	9715	4x4MIMO	17.24	17.36
	Band		20M	1880	18900	QPSK	1		0	4x4MIMO	Band	20M		2132.5	2175	4x4MIMO	Band		29M	722.5	9715	4x4MIMO	17.65	17.81
Inter-Band	CA_2A-4A-25A	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 29	10M	722.5	9715	4x4MIMO	15.97	16.21		
		Band 2	2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	16.6	16.81		
		Band 4	1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 29	10M	722.5	9715		Band 2	20M	1960	900	4x4MIMO	15.97	16.21		
		Band 4	2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 29	10M	722.5	9715		Band 2	20M	1960	900	4x4MIMO	16.6	16.81		
	CA_2A-4A-30A	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 30	10M	2355	9820	4x4MIMO	17.29	17.36		
		Band 2	2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 30	10M	2355	9820	4x4MIMO	17.63	17.81		
		Band 4	1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 30	10M	2355	9820	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	16.01	16.21		
		Band 4	2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 30	10M	2355	9820	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	16.52	16.81		
	CA_2A-29A-66A	Band 30	1	10M	2310	27710	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	17.53	17.74		
		Band 30	2	10M	2310	27710	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	20.79	20.86		
		Band 2	1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 29	10M	722.5	9715		Band 66	20M	2155	66886	4x4MIMO	17.21	17.36		
		Band 2	2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 29	10M	722.5	9715		Band 66	20M	2155	66886	4x4MIMO	17.65	17.81		
	Band 66	1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 29	10M	722.5	9715		16.19	16.38			
		Band 66	2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 29	10M	722.5	9715		16.74	16.97		

Configure	PCC										SCC1										SCC2										Power	
	LTE	Antenna Port	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA											
	Band		Freq (MHz)	Channel	RB		RB Offset	Band		Freq (MHz)	Channel	Band	Freq (MHz)		Channel	Tx Power (dBm)	Tx Power (dBm)															
CA_3C-12A	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 2	20M	1979.8	1098	4x4MMMO	Band 12	10M	737.5	5095	17.25	17.25	17.69	17.69										
	Band 2	2	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 2	20M	1979.8	1098	4x4MMMO	Band 12	10M	737.5	5095	17.69	17.69	17.81	17.81										
	Band 12	1	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900	4x4MMMO	Band 2	20M	1979.8	1098	4x4MMMO	22.51	22.51	22.69	22.69									
	Band 12	2	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900	4x4MMMO	Band 2	20M	1979.8	1098	4x4MMMO	22.25	22.25	22.49	22.49									
CA_4A-4A-71A	Band 4	1	20M	1732.5	20175	QPSK	1	0	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	Band 71	20M	637	66786		16.02	16.02	16.21	16.21									
	Band 4	2	20M	1732.5	20175	QPSK	1	0	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	Band 71	20M	637	66786		16.78	16.78	16.81	16.81									
	Band 71	1	20M	683	133322	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	23.15	23.15	23.33	23.33									
	Band 25	1	20M	1880	26340	QPSK	1	0	4x4MMMO	Band 25	5M	1992.5	8655	4x4MMMO	Band 26	15M	876.5	8655		20.14	20.14	20.34	20.34									
CA_25A-25A-26A	Band 26	1	10M	831.5	26885	QPSK	1	0		Band 25	20M	1960	8340	4x4MMMO	Band 25	5M	1992.5	8655	4x4MMMO	22.49	22.49	23.22	23.22									
	Band 25	1	20M	1880	26340	QPSK	1	0	4x4MMMO	Band 41	20M	2593	40620	4x4MMMO	Band 41	20M	2612.8	40618	4x4MMMO	20.15	20.15	20.34	20.34									
	Band 41	1	20M	2593	40620	QPSK	1	0	4x4MMMO	Band 41	20M	2612.8	40618	4x4MMMO	Band 25	10M	1960	8340	4x4MMMO	21.71	21.71	21.78	21.78									
	Band 26	1	10M	831.5	26885	QPSK	1	0		Band 41	20M	2593	40620	4x4MMMO	Band 41	20M	2612.8	40618	4x4MMMO	23.07	23.07	23.22	23.22									
CA_25A-41C	Band 41	1	20M	2593	40620	QPSK	1	0	4x4MMMO	Band 41	20M	2612.8	40618	4x4MMMO	Band 26	15M	876.5	8655		21.6	21.6	21.78	21.78									
	CA_41A-41A-41A	Band 41	1	20M	2593	40620	QPSK	1	0	4x4MMMO	Band 41	5M	2687.5	41565	4x4MMMO	Band 41	20M	2506	39750	4x4MMMO	21.54	21.54	21.78	21.78								
	CA_41A-41A-41A	Band 41	1	20M	2593	40620	QPSK	1	0	4x4MMMO	Band 41	5M	2687.5	41565	4x4MMMO	Band 41	20M	2510	39790	4x4MMMO	21.57	21.57	21.78	21.78								
	Band 66	1	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	5M	2112.5	66461	4x4MMMO	Band 66	10M	2121.8	66554	4x4MMMO	16.27	16.27	16.38	16.38									
CA_66A-66B	Band 66	2	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	5M	2112.5	66461	4x4MMMO	Band 66	10M	2121.8	66554	4x4MMMO	16.82	16.82	16.97	16.97									
	Band 66	1	15M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	5M	2164.3	66979	4x4MMMO	Band 66	20M	2120	66536	4x4MMMO	15.6	15.6	15.78	15.78									
	Band 66	2	10M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	5M	2164.3	66979	4x4MMMO	Band 66	20M	2120	66536	4x4MMMO	16.3	16.3	16.54	16.54									
	Band 66	1	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	5M	2112.5	66461	4x4MMMO	Band 66	20M	2124.2	66578	4x4MMMO	16.17	16.17	16.38	16.38									
CA_66A-66C	Band 66	2	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	5M	2112.5	66461	4x4MMMO	Band 66	20M	2124.2	66578	4x4MMMO	16.9	16.9	16.97	16.97									
	Band 66	1	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	20M	2174.8	67084	4x4MMMO	Band 66	5M	2112.5	66461	4x4MMMO	16.26	16.26	16.38	16.38									
	Band 66	2	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	20M	2174.8	67084	4x4MMMO	Band 66	5M	2112.5	66461	4x4MMMO	16.81	16.81	16.97	16.97									



CA_3A-65A-65A-65A	Band 66	1	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 30	10M	2310	9820	4x4MMMO	Band 2	20M	1880	900	4x4MMMO	16.23	16.38
	Band 66	2	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 30	10M	2310	9820	4x4MMMO	Band 2	20M	1880	900	4x4MMMO	16.65	16.97
	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	17.20	17.36
	Band 2	2	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	17.61	17.81
	Band 66	1	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 2	20M	1880	900	4x4MMMO	16.10	16.38
	Band 66	2	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 2	20M	1880	900	4x4MMMO	16.73	16.97
	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 66	20M	2174.8	67084	4x4MMMO	Band 71	20M	637	68786	4x4MMMO	17.24	17.36
	Band 2	2	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 66	20M	2174.8	67084	4x4MMMO	Band 71	20M	637	68786	4x4MMMO	17.71	17.81
	Band 71	1	20M	683	133322	QPSK	1	0	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 66	20M	2174.8	67084	4x4MMMO	Band 2	20M	1880	900	4x4MMMO	23.01	23.33
	Band 66	1	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	20M	2164.8	66984	4x4MMMO	Band 71	20M	637	68786	4x4MMMO	Band 2	20M	1880	900	4x4MMMO	16.17	16.38
CA_2A-65A-65A-65A	Band 66	2	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	20M	2164.8	66984	4x4MMMO	Band 71	20M	637	68786	4x4MMMO	Band 2	20M	1880	900	4x4MMMO	16.72	16.97
	Band 2	1	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 71	20M	637	68786	4x4MMMO	17.05	17.26
	Band 2	2	20M	1880	18900	QPSK	1	0	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 71	20M	637	68786	4x4MMMO	17.65	17.81
	Band 66	1	20M	683	133322	QPSK	1	0	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 71	20M	637	68786	4x4MMMO	Band 2	20M	1880	900	4x4MMMO	16.30	16.38
	Band 66	2	20M	683	133322	QPSK	1	0	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 71	20M	637	68786	4x4MMMO	Band 2	20M	1880	900	4x4MMMO	16.70	16.97
	Band 71	1	20M	683	133322	QPSK	1	0	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 2	20M	1880	900	4x4MMMO	23.07	23.33
	Band 4	1	20M	1732.5	20175	QPSK	1	0	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	Band 5	10M	881.5	2525	4x4MMMO	Band 30	10M	2355	9820	4x4MMMO	15.91	16.21
	Band 4	2	20M	1732.5	20175	QPSK	1	0	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	Band 5	10M	881.5	2525	4x4MMMO	Band 30	10M	2355	9820	4x4MMMO	16.69	16.81
	Band 5	1	10M	836.5	20525	QPSK	1	0	4x4MMMO	Band 30	10M	2355	9820	4x4MMMO	Band 4	20M	2132.5	2175	4x4MMMO	Band 4	8M	2152.5	2375	4x4MMMO	22.37	22.45
	Band 5	2	10M	836.5	20525	QPSK	1	0	4x4MMMO	Band 30	10M	2355	9820	4x4MMMO	Band 4	20M	2132.5	2175	4x4MMMO	Band 4	8M	2152.5	2375	4x4MMMO	22.23	22.45
CA_4A-4A-12A-35A	Band 30	1	10M	2310	27710	QPSK	1	0	4x4MMMO	Band 5	10M	881.5	2525	4x4MMMO	Band 4	20M	2132.5	2175	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	17.53	17.74
	Band 30	2	10M	2310	27710	QPSK	1	0	4x4MMMO	Band 5	10M	881.5	2525	4x4MMMO	Band 4	20M	2132.5	2175	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	20.67	20.86
	Band 4	1	20M	1732.5	20175	QPSK	1	0	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	Band 12	10M	737.5	5095	4x4MMMO	Band 30	10M	2355	9820	4x4MMMO	15.98	16.21
	Band 4	2	20M	1732.5	20175	QPSK	1	0	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	Band 12	10M	737.5	5095	4x4MMMO	Band 30	10M	2355	9820	4x4MMMO	16.40	16.81
	Band 12	1	10M	707.5	23095	QPSK	1	0	4x4MMMO	Band 30	10M	2355	9820	4x4MMMO	Band 4	20M	2132.5	2175	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	22.38	22.69
	Band 12	2	10M	707.5	23095	QPSK	1	0	4x4MMMO	Band 30	10M	2355	9820	4x4MMMO	Band 4	20M	2132.5	2175	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	22.31	22.49
	Band 30	1	10M	2310	27710	QPSK	1	0	4x4MMMO	Band 12	10M	737.5	5095	4x4MMMO	Band 4	20M	2132.5	2175	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	17.47	17.74
	Band 30	2	10M	2310	27710	QPSK	1	0	4x4MMMO	Band 12	10M	737.5	5095	4x4MMMO	Band 4	20M	2132.5	2175	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	20.60	20.86
	Band 4	1	20M	1732.5	20175	QPSK	1	0	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	Band 29	10M	722.5	9715	4x4MMMO	Band 30	10M	2355	9820	4x4MMMO	15.91	16.21
	Band 4	2	20M	1732.5	20175	QPSK	1	0	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	Band 29	10M	722.5	9715	4x4MMMO	Band 30	10M	2355	9820	4x4MMMO	16.86	16.81
CA_4A-4A-29A-35A	Band 30	1	10M	2310	27710	QPSK	1	0	4x4MMMO	Band 29	10M	722.5	9715	4x4MMMO	Band 4	20M	2132.5	2175	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	17.51	17.74
	Band 30	2	10M	2310	27710	QPSK	1	0	4x4MMMO	Band 29	10M	722.5	9715	4x4MMMO	Band 4	20M	2132.5	2175	4x4MMMO	Band 4	5M	2152.5	2375	4x4MMMO	20.67	20.86
	Band 5	1	10M	836.5	20525	QPSK	1	0	4x4MMMO	Band 5	10M	881.2	2597	4x4MMMO	Band 30	10M	2355	9820	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	22.47	22.57
	Band 5	2	10M	836.5	20525	QPSK	1	0	4x4MMMO	Band 5	10M	881.2	2597	4x4MMMO	Band 30	10M	2355	9820	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	22.13	22.45
	Band 66	1	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 30	10M	2355	9820	4x4MMMO	Band 5	10M	881.5	2525	4x4MMMO	Band 5	5M	881.2	2597	4x4MMMO	16.07	16.38
	Band 66	2	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 30	10M	2355	9820	4x4MMMO	Band 5	10M	881.5	2525	4x4MMMO	Band 5	5M	881.2	2597	4x4MMMO	16.82	16.97
	Band 30	1	10M	2310	27710	QPSK	1	0	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 5	10M	881.5	2525	4x4MMMO	Band 5	5M	881.2	2597	4x4MMMO	17.51	17.74
	Band 30	2	10M	2310	27710	QPSK	1	0	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 5	10M	881.5	2525	4x4MMMO	Band 5	5M	881.2	2597	4x4MMMO	20.61	20.86
	Band 5	1	10M	836.5	20525	QPSK	1	0	4x4MMMO	Band 5	10M	881.2	2597	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	22.24	22.57
	Band 5	2	10M	836.5	20525	QPSK	1	0	4x4MMMO	Band 5	10M	881.2	2597	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	22.36	22.45
CA_5A-30A-65A-65A	Band 66	1	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 5	10M	881.5	2525	4x4MMMO	Band 5	5M	881.2	2597	4x4MMMO	16.21	16.38
	Band 66	2	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 5	10M	881.5	2525	4x4MMMO	Band 5	5M	881.2	2597	4x4MMMO	16.82	16.97
	Band 30	1	10M	2310	27710	QPSK	1	0	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 5	10M	881.5	2525	4x4MMMO	Band 5	5M	881.2	2597	4x4MMMO	17.51	17.74
	Band 30	2	10M	2310	27710	QPSK	1	0	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 5	10M	881.5	2525	4x4MMMO	Band 5	5M	881.2	2597	4x4MMMO	20.60	20.86
	Band 66	1	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 30	10M	2355	9820	4x4MMMO	Band 5	10M	881.5	2525	4x4MMMO	16.77	16.97
	Band 66	2	20M	1745	132322	QPSK	1	0	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	Band 30	10M	2355	9820	4x4MMMO	Band 5	10M	881.5	2525	4x4MMMO	16.77	16.97
	Band 12	1	10M	707.5	23095	QPSK	1	0	4x4MMMO	Band 30	10M	2355	9820	4x4MMMO	Band 66	20M	2155	66886	4x4MMMO	Band 66	5M	2197.5	67311	4x4MMMO	22.32	22.69
	Band 12	2	10M	707.5	23095	QPSK	1	0	4x4MMMO	Band 30	10M	2355	9820													



LAT Reduced Power Mode for Sensor On-ENDC&UL CA

Band 2 (1900MHz Band)-UL CA&ENDC													
Part 24E													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)					
Channel													
Frequency (MHz)													
18700 18900 19190													
1860 1880 1900													
20	QPSK	1	0	14.41	14.46	14.23	15	0					
20	QPSK	1	49	14.36	14.21	14.22							
20	QPSK	1	99	14.17	14.22	14.42							
20	QPSK	50	0	14.30	14.35	14.22							
20	QPSK	50	24	14.31	14.22	14.32	15	0					
20	QPSK	50	50	14.33	13.96	14.02							
20	QPSK	100	0	14.32	14.33	14.23							
20	16QAM	1	0	14.33	14.35	14.45							
20	16QAM	1	49	14.28	14.31	14.33	15	0					
20	16QAM	1	99	14.17	14.27	14.35							
20	16QAM	50	0	13.90	13.96	13.98							
20	16QAM	50	24	14.03	14.03	14.06							
20	16QAM	50	50	13.99	14.05	14.11	15	0					
20	16QAM	100	0	13.96	13.93	13.99							
20	64QAM	1	0	14.16	14.29	14.42							
20	64QAM	1	49	14.00	14.14	14.00							
20	64QAM	1	99	14.07	14.25	14.31	15	0					
20	64QAM	50	0	13.87	13.95	13.97							
20	64QAM	50	24	14.02	14.01	14.04							
20	64QAM	50	50	13.96	14.03	14.08							
20	64QAM	100	0	13.95	13.97	13.98							
Channel													
1867.5 18900 1912.5													
Frequency (MHz)													
15	QPSK	1	0	14.23	14.22	14.32	15	0					
15	QPSK	1	37	13.88	13.96	14.31							
15	QPSK	1	74	14.33	13.92	13.94							
15	QPSK	36	0	13.88	13.96	13.98							
15	QPSK	36	20	13.99	14.07	14.14	15	0					
15	QPSK	36	39	13.98	14.03	14.08							
15	QPSK	75	0	13.95	13.93	13.99							
15	16QAM	1	0	14.12	14.34	14.36							
15	16QAM	1	37	14.12	14.28	14.29	15	0					
15	16QAM	1	74	14.13	14.28	14.38							
15	16QAM	36	0	13.89	13.96	13.96							
15	16QAM	36	20	14.03	14.04	14.14							
15	16QAM	36	39	14.00	14.10	14.12	15	0					
15	16QAM	75	0	14.00	14.01	14.03							
15	64QAM	1	0	13.98	14.20	14.41							
15	64QAM	1	37	14.15	14.20	14.25							
15	64QAM	1	74	14.04	14.20	14.34	15	0					
15	64QAM	36	0	13.90	13.96	13.99							
15	64QAM	36	20	14.01	14.02	14.12							
15	64QAM	36	39	14.00	14.07	14.12							
15	64QAM	75	0	14.00	13.98	14.03							
Channel													
1865.5 18900 1915.5													
Frequency (MHz)													
10	QPSK	1	0	14.22	14.21	14.22	15	0					
10	QPSK	1	25	13.86	13.95	13.96							
10	QPSK	1	49	14.32	14.21	13.97							
10	QPSK	25	0	13.91	13.91	13.96							
10	QPSK	25	12	13.98	13.97	14.05	15	0					
10	QPSK	25	25	13.86	13.94	14.01							
10	QPSK	50	0	13.93	13.87	13.96							
10	16QAM	1	0	14.02	14.06	14.11							
10	16QAM	1	25	14.32	14.40	14.44	15	0					
10	16QAM	1	49	14.02	14.14	14.40							
10	16QAM	25	0	13.97	13.96	13.99							
10	16QAM	25	12	14.03	14.05	14.10							
10	16QAM	25	25	13.91	13.99	14.04	15	0					
10	16QAM	50	0	13.95	13.93	13.98							
10	64QAM	1	0	13.96	14.03	14.12							
10	64QAM	1	25	14.35	14.39	14.12							
10	64QAM	1	49	14.05	14.14	14.21	15	0					
10	64QAM	25	0	13.99	13.99	14.01							
10	64QAM	25	12	14.07	14.07	14.11							
10	64QAM	25	25	13.91	14.03	14.02							
10	64QAM	50	0	13.93	13.96	13.98							
Channel													
1862.5 18900 1917.5													
Frequency (MHz)													
5	QPSK	1	0	14.21	14.23	14.26	15	0					
5	QPSK	1	12	14.21	14.00	14.23							
5	QPSK	1	24	13.82	13.84	13.89							
5	QPSK	12	0	14.00	13.98	14.09							
5	QPSK	12	7	14.03	14.10	14.14	15	0					
5	QPSK	12	13	13.98	14.04	14.09							
5	QPSK	25	0	13.97	14.00	14.07							
5	16QAM	1	0	14.23	14.28	14.36							
5	16QAM	1	12	14.28	14.34	14.34	15	0					
5	16QAM	1	24	14.18	14.25	14.23							
5	16QAM	12	0	14.08	14.12	14.21							
5	16QAM	12	7	14.08	14.16	14.18							
5	16QAM	12	13	13.99	14.05	14.11	15	0					
5	16QAM	25	0	14.01	14.03	14.12							
5	64QAM	1	0	14.17	14.19	14.28							
5	64QAM	1	12	14.26	14.30	14.27							
5	64QAM	1	24	14.06	14.14	14.17	15	0					
5	64QAM	12	0	14.04	14.08	14.17							
5	64QAM	12	7	14.04	14.16	14.15							
5	64QAM	12	13	13.98	14.04	14.09							
5	64QAM	25	0	14.02	14.05	14.14							
Channel													
1861.5 18900 1918.5													
Frequency (MHz)													
3	QPSK	1	0	13.91	13.91	14.02	15	0					
3	QPSK	1	8	14.00	14.10	14.12							
3	QPSK	1	14	13.86	13.99	13.97							
3	QPSK	8	0	14.01	14.01	14.13							
3	QPSK	8	4	14.04	14.11	14.18	15	0					
3	QPSK	8	7	14.02	14.06	14.11							
3	QPSK	15	0	14.02	14.03	14.12							
3	16QAM	1	0	14.31	14.42	14.42							
3	16QAM	1	8	14.37	14.45	14.41	15	0					
3	16QAM	1	14	14.24	14.33	14.35							
3	16QAM	8	0	14.14	14.18	14.24							
3	16QAM	8	4	14.12	14.21	14.21							
3	16QAM	8	7	14.06	14.18	14.18	15	0					
3	16QAM	15	0	14.07	14.11	14.19							
3	64QAM	1	0	14.25	14.24	14.36							
3	64QAM	1	8	14.23	14.35	14.34							
3	64QAM	1	14	14.09	14.25	14.27	15	0					
3	64QAM	8	0	14.13	14.12	14.24							
3	64QAM	8	4	14.10	14.21	14.21							
3	64QAM	8	7	14.03	14.11	14.14							
3	64QAM	15	0	14.08	14.10	14.15							
Channel													
1860.7 18900 19193													
Frequency (MHz)													
1.4	QPSK	1	0	13.85	13.90	13.93	15	0					
1.4	QPSK	1	3	13.92	13.97	14.02							
1.4	QPSK	1	5	13.87	13.89	13.90							
1.4	QPSK	3	0	13.91	13.96	13.96							
1.4	QPSK	3	1	13.95	14.01	14.11	15	0					
1.4	QPSK	3	3	13.88	13.94	13.98							
1.4	QPSK	6	0	13.98	14.01	14.06							
1.4	16QAM	1	0	14.23	14.30	14.30							
1.4	16QAM	1	3	14.30	14.36	14.35	15	0					
1.4	16QAM	1	5	14.19	14.23	14.23							
1.4	16QAM	3	0	13.99	14.10	14.06							
1.4	16QAM	3	1	14.05	14.21	14.23							
1.4	16QAM	3	3	13.96	14.06	14.02	15	0					
1.4	16QAM	6	0	14.08	14.12	14.17							
1.4	64QAM	1	0	14.14	14.26	14.27							
1.4	64QAM	1	3	14.18	14.24	14.26							
1.4	64QAM	1	5	14.10	14.17	14.17	15	0					
1.4	64QAM	3	0	14.06	14.17	14.11							
1.4	64QAM	3	1	14.12	14.21	14.18							
1.4	64QAM	3	3	14.02	14.07	14.08							
1.4	64QAM	8	0	13.97	14.09	14.05							



Band 12 (700MHz Low Band) UL CA&ENDC									
Part 27F(only on channel required)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				23060	23095	23130			
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	21.80	22.16	21.85	22.5	0	
10	QPSK	1	25	21.82	21.89	22.01			
10	QPSK	1	49	21.99	21.93	22.10			
10	QPSK	25	0	21.80	21.83	21.84			
10	QPSK	25	12	21.78	21.78	21.92	22.5	0	
10	QPSK	25	25	21.87	21.81	21.85			
10	QPSK	50	0	21.76	21.83	21.81			
10	16QAM	1	0	21.83	21.84	21.80			
10	16QAM	1	25	21.72	21.78	22.00	22.5	0	
10	16QAM	1	49	21.73	22.11	21.80			
10	16QAM	25	0	21.35	21.40	21.30			
10	16QAM	25	12	21.54	21.55	21.59			
10	16QAM	25	25	21.58	21.63	21.43	22	0.5	
10	16QAM	50	0	21.48	21.73	21.39			
10	64QAM	1	0	21.72	21.68	21.89			
10	64QAM	1	25	21.74	21.76	21.71			
10	64QAM	1	49	21.93	21.98	21.72	22	0.5	
10	64QAM	25	0	20.47	20.48	20.31			
10	64QAM	25	12	20.62	20.57	20.64			
10	64QAM	25	25	20.56	20.57	20.40			
10	64QAM	50	0	20.51	20.47	20.61	21	1.5	
Channel				23035	23095	23155			
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	21.76	21.83	21.96	22.5	0	
5	QPSK	1	12	21.87	21.87	21.82			
5	QPSK	1	24	21.90	21.71	21.80			
5	QPSK	12	0	21.73	21.73	21.69			
5	QPSK	12	7	21.73	21.77	21.71	22.5	0	
5	QPSK	12	13	21.71	21.79	21.71			
5	QPSK	25	0	21.86	21.98	22.04			
5	16QAM	1	0	21.89	21.89	21.71			
5	16QAM	1	12	21.86	21.98	22.04	22.5	0	
5	16QAM	1	24	21.89	21.89	21.71			
5	16QAM	12	0	21.58	21.59	21.42			
5	16QAM	12	7	21.49	21.49	21.51			
5	16QAM	12	13	21.51	21.67	21.43	22	0.5	
5	16QAM	25	0	21.86	21.98	21.89			
5	64QAM	1	0	21.38	21.34	21.35			
5	64QAM	1	12	21.43	21.39	21.77			
5	64QAM	1	24	21.41	21.50	21.39	22	0.5	
5	64QAM	12	0	20.54	20.55	20.49			
5	64QAM	12	7	20.48	20.53	20.45			
5	64QAM	12	13	20.46	20.61	20.55			
5	64QAM	25	0	20.45	20.55	20.45	21	1.5	
Channel				23025	23095	23165			
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	22.01	21.80	21.85	22.5	0	
3	QPSK	1	8	21.96	21.99	22.01			
3	QPSK	1	14	21.86	22.01	21.85			
3	QPSK	8	0	21.70	21.79	21.71			
3	QPSK	8	4	21.89	21.78	21.83	22.5	0	
3	QPSK	8	7	21.83	21.86	21.75			
3	QPSK	15	0	21.79	21.79	21.78			
3	16QAM	1	0	21.95	22.15	22.04			
3	16QAM	1	8	21.70	21.79	21.71	22.5	0	
3	16QAM	1	14	21.95	22.15	22.04			
3	16QAM	8	0	21.45	21.81	21.41			
3	16QAM	8	4	21.62	21.50	21.63			
3	16QAM	8	7	21.52	21.69	21.57	22	0.5	
3	16QAM	15	0	21.50	21.57	21.48			
3	64QAM	1	0	21.76	21.46	21.40			
3	64QAM	1	8	21.80	21.55	21.57			
3	64QAM	1	14	21.48	21.47	21.76	21	1.5	
3	64QAM	8	0	20.56	20.56	20.48			
3	64QAM	8	4	20.53	20.56	20.73			
3	64QAM	8	7	20.68	20.77	20.69			
3	64QAM	15	0	20.45	20.53	20.52	20		
Channel				23017	23095	23173			
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	21.76	21.83	21.82	22.5	0	
1.4	QPSK	1	3	21.91	21.91	21.81			
1.4	QPSK	1	5	21.83	21.90	21.70			
1.4	QPSK	3	0	21.79	21.78	21.74			
1.4	QPSK	3	1	21.83	21.76	21.79	22.5	0	
1.4	QPSK	3	3	21.74	21.87	21.72			
1.4	QPSK	6	0	21.69	21.75	21.60			
1.4	16QAM	1	0	21.83	21.60	21.70			
1.4	16QAM	1	3	21.79	21.78	21.74	22.5	0	
1.4	16QAM	1	5	21.83	21.76	21.79			
1.4	16QAM	3	0	21.78	21.77	21.70			
1.4	16QAM	3	1	21.83	21.90	21.70			
1.4	16QAM	3	3	21.79	21.78	21.74	22	0.5	
1.4	16QAM	6	0	21.83	21.76	21.79			
1.4	64QAM	1	0	21.60	21.40	21.68			
1.4	64QAM	1	3	21.46	21.82	21.53			
1.4	64QAM	1	5	21.58	21.52	21.53	22	0.5	
1.4	64QAM	3	0	21.58	21.57	21.54			
1.4	64QAM	3	1	21.61	21.44	21.74			
1.4	64QAM	3	3	21.65	21.64	21.50			
1.4	64QAM	6	0	20.75	20.77	20.75	21	1.5	

Band 30-ENDC									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				27710					
Frequency (MHz)				2310					
10	QPSK	1	0		14.31		14.5	0	
10	QPSK	1	25		14.21				
10	QPSK	1	49		14.22				
10	QPSK	25	0		13.90		14.5	0	
10	QPSK	25	12		13.86				
10	QPSK	25	25		13.74				
10	QPSK	50	0		13.77		14.5	0	
10	16QAM	1	0		14.29				
10	16QAM	1	25		14.27				
10	16QAM	1	49		14.24		14.5	0	
10	16QAM	25	0		13.88				
10	16QAM	25	12		13.97				
10	16QAM	25	25		13.93		14.5	0	
10	16QAM	50	0		13.89				
10	64QAM	1	0		14.30				
10	64QAM	1	25		14.30		14.5	0	
10	64QAM	1	49		14.29				
10	64QAM	25	0		13.87				
10	64QAM	25	12		13.96		14.5	0	
10	64QAM	25	25		13.94				
10	64QAM	50	0		13.86				
Channel				27685	27710	27735	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	0	14.23	14.22	14.12	14.5	0	
5	QPSK	1	12	14.21	14.23	14.10			
5	QPSK	1	24	14.12	14.19	14.12			
5	QPSK	12	0	14.26	14.23	14.11	14.5	0	
5	QPSK	12	7	14.21	14.23	14.21			
5	QPSK	12	13	14.12	14.21	14.22			
5	QPSK	25	0	14.19	14.19	14.21	14.5	0	
5	16QAM	1	0	14.09	14.15	14.14			
5	16QAM	1	12	14.22	14.22	14.21			
5	16QAM	1	24	14.16	14.20	14.19	14.5	0	
5	16QAM	12	0	14.02	14.11	14.12			
5	16QAM	12	7	14.02	14.03	14.09			
5	16QAM	12	13	14.09	14.07	14.01	14.5	0	
5	16QAM	25	0	14.01	14.12	14.11			
5	64QAM	1	0	14.02	14.08	14.08			
5	64QAM	1	12	14.19	14.18	14.13	14.5	0	
5	64QAM	1	24	14.08	14.09	14.07			
5	64QAM	12	0	14.00	14.01	14.09			
5	64QAM	12	7	14.02	14.05	14.07	14.5	0	
5	64QAM	12	13	14.11	14.11	14.01			
5	64QAM	25	0	14.12	14.01	14.00			



LAT Reduced Power Mode for Hotspot On-ENDC&UL CA

Band 2 (1900MHz Band) Part 24E-UL CA-ENDC															
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mode Ch. Freq.	Power High Ch. Freq.	Time-up limit (dBm)	MPR (dB)							
Channel															
Frequency (MHz)															
20	QPSK	1	0	12.21	12.26	12.12	13	0							
20	QPSK	1	49	12.22	12.12	11.92									
20	QPSK	1	99	12.23	11.91	12.12									
20	QPSK	50	24	11.93	12.04	12.02									
20	QPSK	50	50	12.03	11.96	11.91	13	0							
20	QPSK	100	0	11.97	12.02	11.90									
20	16QAM	1	0	11.91	12.12	11.91									
20	16QAM	1	49	11.75	11.91	11.91									
20	16QAM	1	99	12.04	11.91	11.70	13	0							
20	16QAM	50	0	11.55	11.59	11.49									
20	16QAM	50	24	11.63	11.59	11.68									
20	16QAM	50	50	11.51	11.58	11.71									
20	16QAM	100	0	11.49	11.48	11.66	13	0							
20	64QAM	1	0	11.60	11.90	11.80									
20	64QAM	1	49	11.73	12.02	11.79									
20	64QAM	1	99	11.70	11.79	11.73									
20	64QAM	50	0	11.43	11.48	11.55									
20	64QAM	50	24	11.61	11.63	11.66									
20	64QAM	50	50	11.57	11.63	11.56									
20	64QAM	100	0	11.62	11.75	11.56									
Channel															
Frequency (MHz)															
15	QPSK	1	0	12.11	12.12	12.14	13	0							
15	QPSK	1	37	11.96	11.96	12.12									
15	QPSK	1	74	12.03	12.02	11.91									
15	QPSK	36	0	11.62	11.63	11.60									
15	QPSK	36	20	11.65	11.67	11.74	13	0							
15	QPSK	36	39	11.67	11.64	11.66									
15	QPSK	75	0	11.59	11.59	11.61									
15	16QAM	1	0	11.99	12.19	11.96									
15	16QAM	1	37	12.01	11.85	12.08	13	0							
15	16QAM	1	74	11.91	11.99	11.71									
15	16QAM	36	0	11.55	11.63	11.52									
15	16QAM	36	20	11.60	11.61	11.76									
15	16QAM	36	39	11.61	11.69	11.76	13	0							
15	16QAM	75	0	11.62	11.63	11.56									
15	64QAM	1	0	11.61	11.84	11.62									
15	64QAM	1	37	11.64	11.78	11.62									
15	64QAM	1	74	11.75	11.91	11.84	13	0							
15	64QAM	36	0	11.60	11.50	11.51									
15	64QAM	36	20	11.65	11.72	11.72									
15	64QAM	36	39	11.62	11.63	11.72									
15	64QAM	75	0	11.67	11.62	11.56									
Channel															
Frequency (MHz)															
10	QPSK	1	0	12.22	12.21	12.21	13	0							
10	QPSK	1	25	12.23	12.21	12.26									
10	QPSK	1	49	12.26	12.32	12.37									
10	QPSK	25	0	11.85	11.82	11.93									
10	QPSK	25	12	11.95	11.94	11.93	13	0							
10	QPSK	25	25	11.93	11.82	11.92									
10	QPSK	50	0	11.76	11.78	11.88									
10	16QAM	1	0	12.23	12.32	12.37									
10	16QAM	1	25	12.19	12.37	12.50	13	0							
10	16QAM	1	49	12.17	12.52	12.55									
10	16QAM	25	0	11.87	11.84	11.97									
10	16QAM	25	12	11.99	11.88	11.89									
10	16QAM	25	25	11.92	11.86	11.94	13	0							
10	16QAM	50	0	11.86	11.84	12.12									
10	64QAM	1	0	12.21	12.22	12.45									
10	64QAM	1	25	12.01	12.02	12.12									
10	64QAM	1	49	12.02	12.10	12.12	13	0							
10	64QAM	25	0	11.95	11.79	11.96									
10	64QAM	25	12	11.93	11.93	11.84									
10	64QAM	25	25	11.98	11.62	11.84									
10	64QAM	50	0	11.98	11.91	12.06									
Channel															
Frequency (MHz)															
5	QPSK	1	0	11.61	11.69	11.63	13	0							
5	QPSK	1	12	11.97	12.08	11.95									
5	QPSK	1	24	11.71	11.64	12.02									
5	QPSK	12	0	11.96	11.94	11.96									
5	QPSK	12	7	12.04	12.00	12.12	13	0							
5	QPSK	12	13	11.84	11.90	11.95									
5	QPSK	25	0	11.95	11.87	12.01									
5	16QAM	1	0	12.21	12.15	12.45									
5	16QAM	1	12	12.14	12.02	12.24	13	0							
5	16QAM	1	24	12.05	12.09	11.98									
5	16QAM	12	0	12.01	11.97	12.05									
5	16QAM	12	7	11.98	12.07	12.04									
5	16QAM	12	13	11.87	11.92	11.96	13	0							
5	16QAM	25	0	11.93	11.87	12.05									
5	64QAM	1	0	11.95	11.75	12.07									
5	64QAM	1	12	12.22	12.25	12.08									
5	64QAM	1	24	12.05	11.77	12.11	13	0							
5	64QAM	12	0	11.92	11.91	11.90									
5	64QAM	12	7	11.92	11.97	12.05									
5	64QAM	12	13	11.92	11.81	11.95									
5	64QAM	25	0	11.91	11.94	12.03									
Channel															
Frequency (MHz)															
3	QPSK	1	0	11.82	11.81	11.88	13	0							
3	QPSK	1	8	11.94	12.03	12.07									
3	QPSK	1	14	11.82	11.94	12.05									
3	QPSK	8	0	11.97	11.94	12.07									
3	QPSK	8	4	11.99	12.04	12.02	13	0							
3	QPSK	8	7	11.98	11.98	12.03									
3	QPSK	15	0	11.91	11.94	12.05									
3	16QAM	1	0	12.37	12.15	12.45									
3	16QAM	1	8	12.52	12.32	12.31	13	0							
3	16QAM	1	14	12.19	12.27	12.36									
3	16QAM	8	0	12.07	12.02	12.14									
3	16QAM	8	4	12.12	11.99	12.03									
3	16QAM	8	7	11.93	12.00	12.11	13	0							
3	16QAM	15	0	11.91	12.12	12.12									
3	64QAM	1	0	12.13	12.03	12.37									
3	64QAM	1	8	12.18	11.95	12.15									
3	64QAM	1	14	12.10	12.13	12.16	13	0							
3	64QAM	8	0	12.06	11.90	12.14									
3	64QAM	8	4	12.07	12.01	12.10									
3	64QAM	8	7	11.89	12.01	12.00									
3	64QAM	15	0	12.00	11.96	12.05									
Channel															
Frequency (MHz)															
1.4	QPSK	1	0	11.81	11.87	11.91	13	0							
1.4	QPSK	1	3	11.83	11.83	11.92									
1.4	QPSK	1	5	11.79	11.85	11.94									
1.4	QPSK	3	0	11.83	11.97	11.99									
1.4	QPSK	1	11	11.88	11.81	11.94	13	0							
1.4	QPSK	3	3	11.78	11.83	11.93									
1.4	QPSK	6	0	11.89	11.95	11.96									
1.4	16QAM	1	0	11.98	12.08	12.08									
1.4	16QAM	1	3	12.09	11.95	12.26	13	0							
1.4	16QAM	1	5	11.82	12.05	12.14									
1.4	16QAM	3	0	11.95	11.99	12.00									
1.4	16QAM	3	1	11.91	11.96	12.13									
1.4	16QAM	3	3	11.98	12.02	12.20	13	0							
1.4	16QAM	6	0	11.94	12.02	12.23									
1.4	16QAM	6	3	12.10	11.98	12.05									
1.4	64QAM	1	3	12.38	11.98	11.92									
1.4	64QAM	1	5	12.42	11.92	11.97	13	0							
1.4	64QAM	3	0	11.99	11.88	12.01									
1.4	64QAM	3	1	12.19	12.04	12.23									
1.4	64QAM	3	3	11.93	12.01	12.06									
1.4	64QAM	6	0	11.87	12.00	12.00									

Band 12 (700MHz Low Band) UL CA#ENDC Part 277(only on channel required)											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				23060	23065	23130					
Frequency (MHz)				704	707.5	711					
10	QPSK	1	0	21.90	22.15	21.95	22.5	0			
10	QPSK	1	25	21.82	21.85	22.01					
10	QPSK	1	49	21.99	21.93	22.10					
10	QPSK	25	0	21.80	21.93	21.84					
10	QPSK	25	12	21.78	21.80	21.92					
10	QPSK	25	25	21.87	21.81	21.85	22.5	0			
10	QPSK	50	0	21.76	21.83	21.81					
10	16QAM	1	0	21.85	21.84	21.80					
10	16QAM	1	25	21.72	21.78	22.00					
10	16QAM	1	49	21.73	22.11	21.80					
10	16QAM	25	0	21.35	21.40	21.30	22	0.5			
10	16QAM	25	12	21.54	21.55	21.59					
10	16QAM	25	25	21.58	21.63	21.43					
10	16QAM	50	0	21.48	21.73	21.39					
10	16QAM	1	0	21.72	21.68	21.89					
10	16QAM	1	25	21.74	21.76	21.71	22	0.5			
10	16QAM	1	49	21.93	21.68	21.72					
10	16QAM	25	0	20.47	20.48	20.31					
10	16QAM	25	12	20.62	20.57	20.64					
10	16QAM	25	25	20.56	20.57	20.40					
10	16QAM	50	0	20.51	20.47	20.61	21	1.5			
Channel				23055	23060	23165					
Frequency (MHz)				703.5	707.5	714.5					
5	QPSK	1	0	21.76	21.83	21.98	22.5	0			
5	QPSK	1	12	21.89	21.87	21.82					
5	QPSK	1	24	21.90	21.71	21.80					
5	QPSK	12	0	21.73	21.73	21.89					
5	QPSK	12	7	21.73	21.77	21.71					
5	QPSK	12	13	21.71	21.79	21.71	22.5	0			
5	QPSK	25	0	21.88	21.98	22.04					
5	16QAM	1	0	21.89	21.89	21.71					
5	16QAM	1	12	21.88	21.98	22.04					
5	16QAM	1	24	21.89	21.85	21.71					
5	16QAM	12	0	21.58	21.58	21.43	22	0.5			
5	16QAM	12	7	21.49	21.49	21.51					
5	16QAM	12	13	21.51	21.67	21.43					
5	16QAM	25	0	21.88	21.98	21.89					
5	16QAM	1	0	21.98	21.94	21.30					
5	16QAM	1	12	21.43	21.38	21.77	22	0.5			
5	16QAM	1	24	21.41	21.50	21.39					
5	16QAM	12	0	20.54	20.55	20.49					
5	16QAM	12	7	20.48	20.53	20.45					
5	16QAM	12	13	20.46	20.61	20.35					
5	16QAM	25	0	20.45	20.53	20.45	21	1.5			
Channel				23055	23060	23165					
Frequency (MHz)				700.5	707.5	714.5					
3	QPSK	1	0	22.01	21.90	21.85	22.5	0			
3	QPSK	1	8	21.98	21.99	22.01					
3	QPSK	1	14	21.86	22.01	21.86					
3	QPSK	8	0	21.70	21.79	21.71					
3	QPSK	8	4	21.89	21.78	21.83					
3	QPSK	8	7	21.83	21.88	21.75	22.5	0			
3	QPSK	16	0	21.79	21.79	21.78					
3	16QAM	1	0	21.95	22.10	22.04					
3	16QAM	1	8	21.70	21.79	21.71					
3	16QAM	1	14	21.95	22.15	22.04					
3	16QAM	8	0	21.45	21.61	21.41	22	0.5			
3	16QAM	8	4	21.62	21.50	21.63					
3	16QAM	8	7	21.52	21.69	21.57					
3	16QAM	16	0	21.50	21.57	21.48					
3	16QAM	1	0	21.76	21.46	21.40					
3	16QAM	1	8	21.80	21.55	21.57	22	0.5			
3	16QAM	1	14	21.48	21.47	21.76					
3	16QAM	8	0	20.55	20.54	20.45					
3	16QAM	8	4	20.53	20.55	20.75					
3	16QAM	8	7	20.88	20.77	20.89					
3	16QAM	16	0	20.45	20.53	20.52	21	1.5			
Channel				23017	23099	23173					
Frequency (MHz)				697.7	707.2	715.3					
1.4	QPSK	1	0	21.76	21.82	21.82	22.5	0			
1.4	QPSK	1	3	21.91	21.91	21.81					
1.4	QPSK	1	5	21.83	21.90	21.70					
1.4	QPSK	3	0	21.79	21.78	21.74					
1.4	QPSK	3	1	21.83	21.79	21.79					
1.4	QPSK	3	3	21.74	21.67	21.72	22.5	0			
1.4	QPSK	6	0	21.89	21.75	21.80					
1.4	16QAM	1	0	21.83	21.90	21.70					
1.4	16QAM	1	3	21.79	21.78	21.74					
1.4	16QAM	1	5	21.83	21.79	21.79					
1.4	16QAM	3	0	21.78	21.77	21.76	22.5	0			
1.4	16QAM	3	1	21.83	21.90	21.70					
1.4	16QAM	3	3	21.79	21.78	21.74					
1.4	16QAM	6	0	21.83	21.78	21.79					
1.4	16QAM	1	0	21.60	21.43	21.58					
1.4	16QAM	1	3	21.46	21.63	21.53	22	0.5			
1.4	16QAM	1	5	21.58	21.52	21.53					
1.4	16QAM	3	0	21.88	21.57	21.84					
1.4	16QAM	3	1	21.61	21.44	21.74					
1.4	16QAM	3	1	21.65	21.64	21.50					
1.4	16QAM	6	0	20.75	20.71	20.75	21	1.5			

Band 30 ENDC									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up test (dBm)	MPR (dB)	
Channel				27060	27110	27170			
Frequency (MHz)				2007.2	2010.2	2013.2			
5	QPSK	1	0	11.74	11.81	11.87	12.5	0	
5	QPSK	1	24	11.84	11.84	11.78			
5	QPSK	1	48	11.83	11.81	11.83			
5	QPSK	12	0	11.92	11.89	11.93	12.5	0	
5	QPSK	12	7	12.02	11.84	11.89			
5	QPSK	12	13	11.91	11.79	11.85			
5	QPSK	25	0	11.93	11.88	11.93	12.5	0	
5	16QAM	1	0	12.09	12.21	12.02			
5	16QAM	1	12	12.12	12.21	12.06			
5	16QAM	1	24	12.36	12.06	12.15	12.5	0	
5	16QAM	12	0	12.01	11.93	12.01			
5	16QAM	12	7	12.06	12.04	12.06			
5	16QAM	12	13	12.01	11.94	11.99	12.5	0	
5	16QAM	25	0	11.97	11.84	11.84			
5	16QAM	1	0	11.95	11.97	12.08			
5	64QAM	1	12	11.85	12.32	12.03	12.5	0	
5	64QAM	1	24	12.02	11.98	11.86			
5	64QAM	12	0	11.92	11.90	11.91			
5	64QAM	12	7	12.02	11.87	12.02	12.5	0	
5	64QAM	12	13	11.89	11.88	11.94			
5	64QAM	25	0	11.88	11.81	11.88			



Band 2 (1900MHz Band) UL CA&ENDC															
Part 24E															
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (dBm)	Power Middle Ch. (dBm)	Power High Ch. (dBm)	Turn-up limit (dBm)	MPR (dB)							
Channel															
Frequency (MHz)															
20	QPSK	1	0	17.32	17.36	17.12	18	0							
20	QPSK	1	49	17.00	17.21	17.10									
20	QPSK	1	99	17.02	17.00	17.05	18	0							
20	QPSK	50	0	16.81	17.12	16.87									
20	QPSK	50	24	17.11	16.94	16.95	18	0							
20	QPSK	50	50	16.86	16.93	17.00									
20	QPSK	100	0	16.89	16.82	16.94	18	0							
20	16QAM	1	0	17.30	17.19	17.23									
20	16QAM	1	49	17.20	17.26	17.28	18	0							
20	16QAM	1	99	17.16	17.09	17.16									
20	16QAM	50	0	16.79	16.89	16.86	18	0							
20	16QAM	50	24	16.94	16.97	17.01									
20	16QAM	50	50	16.89	17.00	17.02	18	0							
20	16QAM	100	0	16.89	16.88	16.85									
20	64QAM	1	0	16.98	17.23	17.28	18	0							
20	64QAM	1	49	17.11	17.24	17.23									
20	64QAM	1	99	17.05	17.27	17.22	18	0							
20	64QAM	50	0	16.84	16.91	16.85									
20	64QAM	50	24	16.95	16.95	16.99	18	0							
20	64QAM	50	50	16.89	16.97	16.99									
20	64QAM	100	0	16.87	16.90	16.89	18	0							
Channel									Turn-up limit (dBm)	MPR (dB)					
Frequency (MHz)															
15	QPSK	1	0	16.72	16.94	16.92	18	0							
15	QPSK	1	37	16.82	16.88	16.90									
15	QPSK	1	74	16.67	16.88	16.88	18	0							
15	QPSK	36	0	16.78	16.87	16.89									
15	QPSK	36	20	16.95	16.96	17.03	18	0							
15	QPSK	36	39	16.89	16.96	17.01									
15	QPSK	75	0	16.90	16.88	16.97	18	0							
15	16QAM	1	0	17.06	17.33	17.26									
15	16QAM	1	37	17.25	17.26	17.29	18	0							
15	16QAM	1	74	16.99	17.34	17.26									
15	16QAM	36	0	16.85	16.89	16.87	18	0							
15	16QAM	36	20	16.94	16.95	17.04									
15	16QAM	36	39	16.97	17.00	17.03	18	0							
15	16QAM	75	0	16.92	16.90	16.89									
15	64QAM	1	0	16.89	17.21	17.24	18	0							
15	64QAM	1	37	17.15	17.18	17.08									
15	64QAM	1	74	17.01	17.22	17.20	18	0							
15	64QAM	36	0	16.86	16.91	16.91									
15	64QAM	36	20	16.90	16.95	17.07	18	0							
15	64QAM	36	39	16.94	17.02	17.02									
15	64QAM	75	0	16.88	16.92	16.92									
Channel											Turn-up limit (dBm)	MPR (dB)			
Frequency (MHz)															
10	QPSK	1	0	16.58	16.61	17.01	18	0							
10	QPSK	1	25	16.87	16.98	16.96									
10	QPSK	1	49	16.59	16.62	16.88	18	0							
10	QPSK	25	0	16.86	16.85	16.90									
10	QPSK	25	12	16.95	16.96	17.00	18	0							
10	QPSK	25	25	16.83	16.93	16.95									
10	QPSK	50	0	16.95	16.85	16.96	18	0							
10	16QAM	1	0	16.87	16.94	17.00									
10	16QAM	1	25	17.29	17.00	17.33	18	0							
10	16QAM	1	49	16.91	16.93	17.26									
10	16QAM	25	0	16.92	16.92	16.93	18	0							
10	16QAM	25	12	17.00	17.00	17.04									
10	16QAM	25	25	16.83	16.94	16.94	18	0							
10	16QAM	50	0	16.90	16.93	16.95									
10	64QAM	1	0	16.88	16.96	17.00	18	0							
10	64QAM	1	25	17.00	17.00	17.00									
10	64QAM	1	49	17.11	17.17	17.00	18	0							
10	64QAM	25	0	16.96	16.92	16.89									
10	64QAM	25	12	17.00	17.01	17.00	18	0							
10	64QAM	25	25	16.83	16.92	16.99									
10	64QAM	50	0	16.84	16.90	16.89									
Channel											Turn-up limit (dBm)	MPR (dB)			
Frequency (MHz)															
5	QPSK	1	0	16.83	16.86	16.99	18	0							
5	QPSK	1	12	16.89	16.99	17.00									
5	QPSK	1	24	16.75	16.86	16.92	18	0							
5	QPSK	12	0	17.00	17.03	17.09									
5	QPSK	12	7	16.99	17.08	17.11	18	0							
5	QPSK	12	13	16.91	16.98	17.03									
5	QPSK	25	0	16.91	16.95	17.04	18	0							
5	16QAM	1	0	17.21	17.20	17.31									
5	16QAM	1	12	17.13	17.23	17.27	18	0							
5	16QAM	1	24	17.06	17.08	17.18									
5	16QAM	12	0	17.04	17.08	17.16	18	0							
5	16QAM	12	7	17.04	17.10	17.15									
5	16QAM	12	13	16.93	17.03	17.03	18	0							
5	16QAM	25	0	16.98	17.03	17.07									
5	64QAM	1	0	17.07	17.17	17.08	18	0							
5	64QAM	1	12	17.22	17.26	17.25									
5	64QAM	1	24	16.96	17.05	17.18	18	0							
5	64QAM	12	0	17.05	17.05	17.08									
5	64QAM	12	7	16.98	17.05	17.11	18	0							
5	64QAM	12	13	16.91	16.98	17.00									
5	64QAM	25	0	16.97	17.00	17.09									
Channel											Turn-up limit (dBm)	MPR (dB)			
Frequency (MHz)															
3	QPSK	1	0	16.96	16.92	16.99	18	0							
3	QPSK	1	8	16.92	17.02	16.97									
3	QPSK	1	14	16.77	16.88	16.93	18	0							
3	QPSK	8	0	16.96	16.98	17.10									
3	QPSK	8	4	16.97	17.06	17.10	18	0							
3	QPSK	8	7	16.95	17.00	17.03									
3	QPSK	15	0	16.94	16.99	17.04	18	0							
3	16QAM	1	0	17.20	17.18	17.00									
3	16QAM	1	8	17.30	17.10	17.35	18	0							
3	16QAM	1	14	17.04	17.26	17.30									
3	16QAM	8	0	17.08	17.12	17.09	18	0							
3	16QAM	8	4	17.08	17.11	17.14									
3	16QAM	8	7	16.96	17.04	17.09	18	0							
3	16QAM	15	0	17.03	17.05	17.13									
3	64QAM	1	0	17.11	17.12	17.25	18	0							
3	64QAM	1	8	17.18	17.29	17.31									
3	64QAM	1	14	16.98	17.12	17.07	18	0							
3	64QAM	8	0	17.01	17.04	17.15									
3	64QAM	8	4	17.01	17.13	17.07	18	0							
3	64QAM	8	7	16.95	17.07	17.06									
3	64QAM	15	0	16.97	17.02	17.07	18	0							
Channel									Turn-up limit (dBm)	MPR (dB)					
Frequency (MHz)															
1.4	QPSK	1	0	16.83	16.86	16.86	18	0							
1.4	QPSK	1	3	16.84	16.95	16.93									
1.4	QPSK	1	5	16.77	16.84	16.82	18	0							
1.4	QPSK	3	0	16.85	16.90	16.91									
1.4	QPSK	3	1	16.90	17.05	17.03	18	0							
1.4	QPSK	3	3	16.79	16.88	16.88									
1.4	QPSK	6	0	16.91	17.01	16.95	18	0							
1.4	16QAM	1	0	17.22	17.20	17.17									
1.4	16QAM	1	3	17.14	17.19	17.31	18	0							
1.4	16QAM	1	5	17.22	17.13	17.08									
1.4	16QAM	3	0	16.89	17.01	17.04	18	0							
1.4	16QAM	3	1	16.96	17.05	17.06									
1.4	16QAM	3	3	16.92	16.99	16.92	18	0							
1.4	64QAM	1	0	17.00	17.27	17.22									
1.4	64QAM	1	3	16.99	17.17	17.26	18	0							
1.4	64QAM	1	5	16.91	17.11	17.06									
1.4	64QAM	3	0	17.02	17.08	17.03	18	0							
1.4	64QAM	3	1	17.00	17.05	17.05									
1.4	64QAM	3	3	16.86	17.04	17.03	18	0							
1.4	64QAM	6	0	16.89	17.03	17.00									

Band 12 (700MHz Low Band) UL CA&ENDC									
Part 27F(only on channel required)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				704	707.5	711			
Frequency (MHz)				2300	2305	2310			
10	QPSK	1	0	22.57	22.69	22.44		23	0
10	QPSK	1	25	22.55	22.44	22.45			
10	QPSK	1	49	22.57	22.47	22.31			
10	QPSK	25	0	22.59	22.62	22.47			
10	QPSK	25	12	22.45	22.50	22.59		23	0
10	QPSK	25	25	22.31	22.61	22.45			
10	QPSK	50	0	22.47	22.51	22.48			
10	16QAM	1	0	22.59	22.43	22.28			
10	16QAM	1	25	22.47	22.31	22.50		23	0
10	16QAM	1	49	22.60	22.61	22.45			
10	16QAM	25	0	21.46	21.33	21.34			
10	16QAM	25	12	21.48	21.38	21.32		22	1
10	16QAM	25	25	21.37	21.42	21.25			
10	16QAM	50	0	21.40	21.23	21.26			
10	64QAM	1	0	21.37	21.31	21.19			
10	64QAM	1	25	21.22	21.24	21.13		22	1
10	64QAM	1	49	21.28	21.17	21.12			
10	64QAM	25	0	20.51	20.48	20.34			
10	64QAM	25	12	20.54	20.51	20.45		21	2
10	64QAM	25	25	20.54	20.47	20.39			
10	64QAM	50	0	20.50	20.37	20.31			
Channel				23005	23065	23155	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	22.60	22.43	22.26		23	0
5	QPSK	1	12	22.57	22.58	22.37			
5	QPSK	1	24	22.54	22.41	22.31			
5	QPSK	12	0	22.37	22.58	22.40			
5	QPSK	12	7	22.58	22.37	22.44		23	0
5	QPSK	12	13	22.44	22.56	22.45			
5	QPSK	25	0	22.45	22.55	22.38			
5	16QAM	1	0	22.38	22.54	22.44			
5	16QAM	1	12	22.64	22.57	22.58		23	0
5	16QAM	1	24	22.41	22.31	22.57			
5	16QAM	12	0	21.45	21.40	21.20			
5	16QAM	12	7	21.53	21.42	21.30		22	1
5	16QAM	12	13	21.47	21.42	21.22			
5	16QAM	25	0	21.46	21.38	21.19			
5	64QAM	1	0	21.55	21.31	21.30			
5	64QAM	1	12	21.54	21.54	21.29		22	1
5	64QAM	1	24	21.44	21.46	21.19			
5	64QAM	12	0	20.57	20.37	20.31			
5	64QAM	12	7	20.61	20.54	20.31		21	2
5	64QAM	12	13	20.53	20.49	20.31			
5	64QAM	25	0	20.59	20.43	20.32			
Channel				23005	23065	23165	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	22.62	22.40	22.41		23	0
3	QPSK	1	8	22.30	22.60	22.37			
3	QPSK	1	14	22.54	22.53	22.30			
3	QPSK	8	0	22.37	22.50	22.45			
3	QPSK	8	4	22.30	22.65	22.43		23	0
3	QPSK	8	7	22.38	22.61	22.54			
3	QPSK	15	0	22.46	22.56	22.37			
3	16QAM	1	0	22.65	22.37	22.30			
3	16QAM	1	8	22.37	22.50	22.45		23	0
3	16QAM	1	14	22.53	22.37	22.30			
3	16QAM	8	0	21.54	21.40	21.26			
3	16QAM	8	4	21.54	21.52	21.29		22	1
3	16QAM	8	7	21.55	21.42	21.31			
3	16QAM	15	0	21.49	21.43	21.24			
3	64QAM	1	0	21.49	21.43	21.25			
3	64QAM	1	8	21.80	21.51	21.41		22	1
3	64QAM	1	14	21.49	21.44	21.18			
3	64QAM	8	0	20.55	20.50	20.64			
3	64QAM	8	4	20.33	20.21	20.40		21	2
3	64QAM	8	7	20.58	20.51	20.30			
3	64QAM	15	0	20.59	20.53	20.32			
Channel				23017	23065	23173	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	22.49	22.43	22.25		23	0
1.4	QPSK	1	3	22.58	22.42	22.30			
1.4	QPSK	1	5	22.52	22.41	22.18			
1.4	QPSK	3	0	22.48	22.47	22.26			
1.4	QPSK	3	1	22.56	22.47	22.34		23	0
1.4	QPSK	3	3	22.55	22.47	22.23			
1.4	QPSK	6	0	22.58	22.54	22.31			
1.4	16QAM	1	0	22.52	22.41	22.18			
1.4	16QAM	1	3	22.48	22.47	22.26		23	0
1.4	16QAM	1	5	22.47	22.26	22.34			
1.4	16QAM	3	0	22.47	22.34	22.39			
1.4	16QAM	3	1	22.47	22.23	22.37		22	1
1.4	16QAM	3	3	22.54	22.31	22.33			
1.4	16QAM	6	0	21.29	21.30	21.13			
1.4	64QAM	1	0	21.34	21.26	21.11			
1.4	64QAM	1	3	21.37	21.24	21.11		22	1
1.4	64QAM	1	5	21.36	21.50	21.34			
1.4	64QAM	3	0	21.26	21.47	21.32			
1.4	64QAM	3	1	21.22	21.41	21.22			
1.4	64QAM	3	3	21.37	21.20	21.46		21	2
1.4	64QAM	6	0	20.51	20.41	20.20			

Band 30 ENDC									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				27710					
Frequency (MHz)				2310					
10	QPSK	1	0		17.74		18	0	
10	QPSK	1	25		17.56				
10	QPSK	1	49		17.58				
10	QPSK	25	0		17.58				
10	QPSK	25	12		17.26		18	0	
10	QPSK	25	25		17.30				
10	QPSK	50	0		17.25				
10	16QAM	1	0		17.45				
10	16QAM	1	25		17.57		18	0	
10	16QAM	1	49		17.48				
10	16QAM	25	0		17.13				
10	16QAM	25	12		17.25		18	0	
10	16QAM	25	25		17.26				
10	16QAM	50	0		17.23				
10	64QAM	1	0		17.45				
10	64QAM	1	25		17.51		18	0	
10	64QAM	1	49		17.58				
10	64QAM	25	0		17.17				
10	64QAM	25	12		17.28		18	0	
10	64QAM	25	25		17.40				
10	64QAM	50	0		17.29				
Channel				27686	27710	27735			Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	0	17.19	17.22	17.12	18	0	
5	QPSK	1	12	17.36	17.15	17.18			
5	QPSK	1	24	17.15	17.11	17.21			
5	QPSK	12	0	17.33	17.29	17.35			
5	QPSK	12	7	17.39	17.36	17.43	18	0	
5	QPSK	12	13	17.36	17.30	17.31			
5	QPSK	25	0	17.38	17.32	17.38			
5	16QAM	1	0	17.72	17.39	17.68			
5	16QAM	1	12	17.57	17.50	17.28	18	0	
5	16QAM	1	24	17.73	17.40	17.46			
5	16QAM	12	0	17.37	17.26	17.30			
5	16QAM	12	7	17.44	17.36	17.36	18	0	
5	16QAM	12	13	17.40	17.46	17.32			
5	16QAM	25	0	17.29	17.27	17.32			
5	64QAM	1	0	17.40	17.43	17.14			
5	64QAM	1	12	17.45	17.40	17.26	18	0	
5	64QAM	1	24	17.39	17.12	17.11			
5	64QAM	12	0	17.41	17.32	17.25			
5	64QAM	12	7	17.38	17.41	17.34	18	0	
5	64QAM	12	13	17.22	17.28	17.33			
5	64QAM	25	0	17.36	17.36	17.38			

UAT Full Power Mode

n2 (only SC515KHz has 5M BW)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1860	1900			
20	PI2 BPSK	1	1	23.15	23.30	23.21	24.0	0.0	
20	PI2 BPSK	1	53	23.12	23.18	23.17			
20	PI2 BPSK	1	104	23.15	23.12	23.11			
20	PI2 BPSK	50	0	22.76	22.80	22.83	23.5		
20	PI2 BPSK	50	26	23.10	23.25	23.21	24.0		
20	PI2 BPSK	50	56	22.88	22.92	22.95	23.5		
20	PI2 BPSK	100	0	22.61	22.74	22.71	23.5		
20	QPSK	1	1	23.15	23.33	23.15	24.0	0.0	
20	QPSK	1	53	23.17	23.23	23.21			
20	QPSK	1	104	23.15	23.27	23.26			
20	QPSK	50	0	22.14	22.20	22.08	23.5		
20	QPSK	50	28	23.12	23.22	23.21	24.0		
20	QPSK	50	56	22.17	22.34	22.14	23.5		
20	QPSK	100	0	22.21	22.31	22.25	23.0		
20	16QAM	1	1	22.15	22.25	22.17	23.0		
20	64QAM	1	1	20.78	20.80	20.69	21.5		
20	256QAM	1	1	18.88	18.92	18.96	19.5		
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1860	1907.5			
15	QPSK	1	1	23.21	23.32	23.25	24.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1860	1905			
10	QPSK	1	1	23.19	23.12	23.14	24.0	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1860	1907.5			
5	QPSK	1	1	23.19	23.21	23.18	24.0	0.0	

n5 (only SCS15KHz has 5M BW)										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				166500	167000	167500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				834	836.5	839				
20	PI2 BPSK	1	1	23.21	23.05	23.31		24.0	0.0	
20	PI2 BPSK	1	53	23.15	23.21	23.19				
20	PI2 BPSK	1	104	23.05	23.07	23.01				
20	PI2 BPSK	50	0	22.61	22.66	22.63	23.5	0.0		
20	PI2 BPSK	50	28	23.10	23.15	23.06	24.0			
20	PI2 BPSK	50	56	22.63	22.65	22.61	23.5			
20	PI2 BPSK	100	0	22.43	22.56	22.51	23.5	0.5		
20	QPSK	1	1	23.12	23.33	23.04		24.0	0.0	
20	QPSK	1	53	23.05	23.04	23.01				
20	QPSK	1	104	23.10	23.05	23.05				
20	QPSK	50	0	22.21	22.19	22.12	23.5	0.0		
20	QPSK	50	28	23.05	23.18	23.15	24.0			
20	QPSK	50	56	22.03	21.98	22.01	23.5			
20	QPSK	100	0	22.12	22.09	22.13	23.0	1.0		
20	16QAM	1	1	22.25	22.34	22.31	23.0	1.0		
20	64QAM	1	1	20.58	20.60	20.49	21.5	2.5		
20	256QAM	1	1	18.61	18.67	18.72	19.5	4.5		
Channel				166300	167000	168300	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				831.5	836.5	841.5				
15	QPSK	1	1	23.21	23.21	23.19	24.0	0.0		
Channel				166500	167000	168000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				836	836.5	844				
10	QPSK	1	1	23.14	23.15	23.14	24.0	0.0		
Channel				166300	167000	168300	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	1	23.05	23.09	23.12	24.0	0.0		

n25										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1860	1862.5	1905				
20	PI2 BPSK	1	1	23.01	23.05	23.12		24.0	0.0	
20	PI2 BPSK	1	53	23.11	23.14	23.21				
20	PI2 BPSK	1	104	23.05	23.12	23.25				
20	PI2 BPSK	50	0	22.71	22.80	22.93	23.5	0.0		
20	PI2 BPSK	50	26	23.26	23.24	23.22	24.0			
20	PI2 BPSK	50	56	22.68	22.70	22.75	23.5			
20	PI2 BPSK	100	0	22.63	22.72	22.63	23.5	0.5		
20	QPSK	1	1	23.17	23.36	23.09		24.0	0.0	
20	QPSK	1	53	23.21	23.20	23.12				
20	QPSK	1	104	23.00	23.16	23.08				
20	QPSK	50	0	22.14	22.28	22.15	23.5	0.0		
20	QPSK	50	28	23.17	23.18	23.13	24.0			
20	QPSK	50	56	22.16	22.21	22.14	23.5			
20	QPSK	100	0	22.14	22.21	22.16	23.0	1.0		
20	16QAM	1	1	22.35	22.47	22.23	23.0	1.0		
20	16QAM	1	1	20.56	20.60	22.51	21.5	2.5		
20	256QAM	1	1	18.66	18.71	18.63	19.5	4.5		
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1867.5	1862.5	1907.5				
15	QPSK	1	1	23.01	23.21	23.14	24.0	0.0		
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1865	1862.5	1910				
10	QPSK	1	1	23.09	23.25	23.15	24.0	0.0		
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1862.5	1862.5	1912.5				
5	QPSK	1	1	23.12	23.11	23.07	24.0	0.0		

n66 (only SCS15KHz has 5M BW)								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				344000	345000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	23.21	23.19	23.18	24.0	0.0
20	PI/2 BPSK	1	53	23.14	23.04	23.09		
20	PI/2 BPSK	1	104	23.25	23.23	23.31		
20	PI/2 BPSK	50	0	22.75	22.72	22.82	23.5	0.0
20	PI/2 BPSK	50	28	23.15	23.21	23.09	24.0	
20	PI/2 BPSK	50	56	22.89	22.95	22.77	23.5	
20	PI/2 BPSK	100	0	22.68	22.70	22.52	23.5	0.5
20	QPSK	1	1	23.16	23.36	23.14	24.0	0.0
20	QPSK	1	53	23.11	23.07	23.01		
20	QPSK	1	104	23.21	23.31	23.21		
20	QPSK	50	0	22.14	22.16	22.13	23.5	0.0
20	QPSK	50	28	23.07	23.10	22.97	24.0	
20	QPSK	50	56	22.15	22.12	22.10	23.5	
20	QPSK	100	0	22.15	22.17	22.15	23.0	1.0
20	16QAM	1	1	22.09	22.05	22.01	23.0	1.0
20	64QAM	1	1	20.83	20.72	20.69	21.5	2.5
20	256QAM	1	1	18.81	18.78	18.83	19.5	4.5
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.18	23.24	23.14	24.0	0.0
Channel				342500	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.12	23.21	23.21	24.0	0.0
Channel				342500	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.08	23.18	23.05	24.0	0.0

n71 (only SCS15KHz has 5M BW)								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134000	136100	137600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				675	686.5	698		
20	PI/2 BPSK	1	1	23.02	23.08	23.12	24.0	0.0
20	PI/2 BPSK	1	53	23.07	23.03	23.05		
20	PI/2 BPSK	1	104	22.85	22.97	22.88		
20	PI/2 BPSK	50	0	22.58	22.61	22.62	23.5	0.0
20	PI/2 BPSK	50	28	23.03	23.04	23.12	24.0	
20	PI/2 BPSK	50	56	22.61	22.80	22.53	23.5	
20	PI/2 BPSK	100	0	22.52	22.58	22.47	23.5	0.5
20	QPSK	1	1	23.01	23.13	22.83	24.0	0.0
20	QPSK	1	53	22.79	22.87	22.71		
20	QPSK	1	104	22.67	22.86	22.65		
20	QPSK	50	0	22.01	22.07	22.01	23.5	0.0
20	QPSK	50	28	22.69	22.60	22.72	24.0	
20	QPSK	50	56	21.85	21.97	21.88	23.5	
20	QPSK	100	0	21.72	21.78	21.63	23.0	1.0
20	16QAM	1	1	21.63	21.72	21.61	23.0	1.0
20	64QAM	1	1	20.78	20.84	20.71	21.5	2.5
20	256QAM	1	1	18.65	18.62	18.63	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				676.5	686.5	698.5		
15	QPSK	1	1	23.06	23.07	23.11	24.0	0.0
Channel				133900	136100	138000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	686.5	693		
10	QPSK	1	1	23.04	23.01	23.05	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	686.5	695.5		
5	QPSK	1	1	22.91	22.96	22.88	24.0	0.0



LAT Full Power Mode

n2 (only SCS15KHz has 5M BW)								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				370000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	PI2 BPSK	1	1	22.61	22.50	22.53	24.0	0.0
20	PI2 BPSK	1	53	23.00	22.97	22.85		
20	PI2 BPSK	1	104	22.61	22.59	22.47	23.5	0.0
20	PI2 BPSK	50	0	22.26	22.34	22.18		
20	PI2 BPSK	50	28	22.61	22.59	22.45	24.0	0.0
20	PI2 BPSK	50	56	22.41	22.34	22.36	23.5	
20	PI2 BPSK	100	0	22.31	22.24	22.19	23.5	0.5
20	QPSK	1	1	22.58	22.67	22.77	24.0	0.0
20	QPSK	1	53	22.76	23.05	22.83		
20	QPSK	1	104	22.51	22.63	22.41	23.5	0.0
20	QPSK	50	0	21.61	21.77	21.59		
20	QPSK	50	28	22.42	22.57	22.39	24.0	0.0
20	QPSK	50	56	21.75	21.84	21.69	23.5	
20	QPSK	100	0	21.63	21.76	21.52	23.0	1.0
20	16QAM	1	1	21.81	21.76	21.73	23.0	1.0
20	64QAM	1	1	20.43	20.46	20.31	21.5	2.5
20	256QAM	1	1	18.62	18.56	18.47	19.5	4.5
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1827.5	1880	1902.5		
15	QPSK	1	1	22.30	22.85	22.72	24.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1885	1880	1905		
10	QPSK	1	1	22.83	22.78	22.67	24.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	22.72	22.53	22.61	24.0	0.0

n5 (only SCS15KHz has 5M BW)								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	23.78	23.85	23.68	24.0	0.0
20	PI2 BPSK	1	53	23.88	23.95	23.84		
20	PI2 BPSK	1	104	23.65	23.62	23.63	23.5	0.0
20	PI2 BPSK	50	0	23.42	23.45	23.28		
20	PI2 BPSK	50	28	23.71	23.87	23.78	24.0	0.0
20	PI2 BPSK	50	56	23.15	23.37	23.25	23.5	
20	PI2 BPSK	100	0	23.24	23.34	23.41	23.5	0.5
20	QPSK	1	1	23.61	23.66	23.76	24.0	0.0
20	QPSK	1	53	23.76	23.67	23.65		
20	QPSK	1	104	23.66	23.75	23.67	23.5	0.0
20	QPSK	50	0	22.81	22.91	22.83		
20	QPSK	50	28	23.75	23.81	23.69	24.0	0.0
20	QPSK	50	56	22.75	22.85	22.86	23.5	
20	QPSK	100	0	22.83	22.91	22.72	23.0	1.0
20	16QAM	1	1	23.05	23.12	23.04	23.0	1.0
20	64QAM	1	1	21.13	21.23	21.36	21.5	2.5
20	256QAM	1	1	19.25	19.30	19.42	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.62	23.78	23.70	24.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.63	23.85	23.84	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.61	23.77	23.73	24.0	0.0

n66 (only SCS15KHz has 5M BW)								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI2 BPSK	1	1	22.91	22.97	22.87	24.0	0.0
20	PI2 BPSK	1	53	22.73	22.87	22.72		
20	PI2 BPSK	1	104	22.88	22.85	22.83	23.5	0.0
20	PI2 BPSK	50	0	22.65	22.61	22.56		
20	PI2 BPSK	50	28	22.72	22.83	22.81	24.0	0.0
20	PI2 BPSK	50	56	22.52	22.54	22.63	23.5	
20	PI2 BPSK	100	0	22.47	22.54	22.51	23.5	0.5
20	QPSK	1	1	22.83	23.08	22.89	24.0	0.0
20	QPSK	1	53	22.96	23.07	23.01		
20	QPSK	1	104	22.76	22.97	22.88	23.5	0.0
20	QPSK	50	0	22.05	22.13	22.15		
20	QPSK	50	28	22.78	22.90	22.87	24.0	0.0
20	QPSK	50	56	22.12	22.08	22.03	23.5	
20	QPSK	100	0	22.21	22.25	22.14	23.0	1.0
20	16QAM	1	1	22.28	22.41	22.37	23.0	1.0
20	64QAM	1	1	20.48	20.64	20.52	21.5	2.5
20	256QAM	1	1	18.52	18.75	18.69	19.5	4.5
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	22.79	22.89	23.03	24.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	22.85	22.97	22.89	24.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	22.81	23.03	22.85	24.0	0.0

n41 for FCC									n41 for FCC HPUE								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	24.0	0.0	Channel				509202	518598	528000	27.0	0.0
Frequency (MHz)				2546.01	2592.99	2640			Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	22.49	23.40	23.77	24.0	0.0	100	PI/2 BPSK	1	1	26.22	26.12	26.11	27.0	0.0
100	PI/2 BPSK	1	137	23.43	23.57	23.45			100	PI/2 BPSK	1	137	26.08	26.25	26.05		
100	PI/2 BPSK	1	271	23.59	23.66	23.65			100	PI/2 BPSK	1	271	25.55	26.20	26.09		
100	PI/2 BPSK	135	0	22.16	22.58	23.53	23.5	0.0	100	PI/2 BPSK	135	0	25.49	25.63	25.62	26.5	0.0
100	PI/2 BPSK	135	69	23.31	23.42	23.62	24.0		100	PI/2 BPSK	135	69	26.18	26.22	26.20	27.0	
100	PI/2 BPSK	135	138	22.39	22.55	22.72	23.5		100	PI/2 BPSK	135	138	25.39	25.63	25.63	26.5	
100	PI/2 BPSK	270	0	22.64	22.67	23.75	23.5	0.5	100	PI/2 BPSK	270	0	25.60	25.62	25.55	26.5	0.5
100	QPSK	1	1	23.72	23.94	23.80	24.0	0.0	100	QPSK	1	1	26.27	26.22	26.25	27.0	0.0
100	QPSK	1	137	23.84	23.90	23.46			100	QPSK	1	137	26.47	26.59	26.38		
100	QPSK	1	271	23.58	23.56	23.67			100	QPSK	1	271	26.58	26.50	26.13		
100	QPSK	135	0	22.51	22.53	22.46	23.5	0.0	100	QPSK	135	0	26.17	26.11	26.11	26.5	0.0
100	QPSK	135	69	23.59	23.93	23.75	24.0		100	QPSK	135	69	26.30	26.47	26.43	27.0	
100	QPSK	135	138	22.50	22.65	22.72	23.5		100	QPSK	135	138	26.02	26.34	26.39	26.5	
100	QPSK	270	0	22.17	22.48	22.12	23.0	1.0	100	QPSK	270	0	25.06	25.15	25.10	26.0	1.0
100	16QAM	1	1	22.59	22.14	22.78	23.0	1.0	100	16QAM	1	1	25.49	25.55	24.78	26.0	1.0
100	64QAM	1	1	20.25	19.93	20.46	21.5	2.5	100	64QAM	1	1	22.77	23.73	23.15	24.5	2.5
100	256QAM	1	1	19.15	19.90	19.36	19.5	4.5	100	256QAM	1	1	21.44	22.02	21.75	22.5	4.5
Channel				509200	518598	528096	Tune-up limit (dBm)	MPR (dB)	Channel				509200	518598	528096	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98	24.0	0.0	Frequency (MHz)				2541	2592.99	2644.98	27.0	0.0
90	QPSK	1	1	23.58	23.49	23.91			90	QPSK	1	1	26.42	26.41	26.42		
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99	24.0	0.0	Frequency (MHz)				2536.02	2592.99	2649.99	27.0	0.0
80	QPSK	1	1	23.65	23.43	23.80			80	QPSK	1	1	26.43	26.33	26.48		
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98	24.0	0.0	Frequency (MHz)				2526	2592.99	2659.98	27.0	0.0
60	QPSK	1	1	23.56	23.34	23.75			60	QPSK	1	1	26.30	26.25	26.41		
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99	24.0	0.0	Frequency (MHz)				2521.02	2592.99	2664.99	27.0	0.0
50	QPSK	1	1	23.47	23.29	23.67			50	QPSK	1	1	26.22	26.19	26.48		
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670	24.0	0.0	Frequency (MHz)				2516.01	2592.99	2670	27.0	0.0
40	QPSK	1	1	23.31	23.25	22.95			40	QPSK	1	1	26.21	26.29	26.42		
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99	24.0	0.0	Frequency (MHz)				2506.02	2592.99	2679.99	27.0	0.0
20	QPSK	1	1	22.87	22.94	22.90			20	QPSK	1	1	26.26	26.38	26.40		



For LAT

n2 Sensor on									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376500	381000			
Frequency (MHz)				1860	1882.5	1905			
20	PI2 BPSK	1	1	15.64	15.70	15.67			
20	PI2 BPSK	1	53	15.51	15.68	15.88	16.5	0.0	
20	PI2 BPSK	1	104	15.44	15.49	15.35			
20	PI2 BPSK	50	0	15.90	15.98	15.85			
20	PI2 BPSK	50	28	15.57	15.96	15.46	16.5	0.0	
20	PI2 BPSK	50	56	15.48	15.52	15.49			
20	PI2 BPSK	100	0	15.56	15.56	15.49	16.5	0.0	
20	QPSK	1	1	15.61	15.74	15.60			
20	QPSK	1	53	15.64	15.91	15.57	16.5	0.0	
20	QPSK	1	104	15.53	15.46	15.36			
20	QPSK	50	0	15.50	15.61	15.47			
20	QPSK	50	28	15.52	15.85	15.37	16.5	0.0	
20	QPSK	50	56	15.42	15.49	15.43			
20	QPSK	100	0	15.55	15.56	15.39	16.5	0.0	
20	16QAM	1	1	15.52	15.64	15.32	16.5	0.0	
20	16QAM	1	1	15.27	15.55	15.66	16.5	0.0	
20	256QAM	1	1	15.68	15.73	15.80	16.5	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1882.5	1907.5			
15	QPSK	1	53	15.53	15.60	15.62	16.5	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1910			
10	QPSK	1	53	15.50	15.56	15.63	16.5	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1912.5			
5	QPSK	1	53	15.43	15.49	15.47	16.5	0.0	

n2 Hotspot on									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376500	381000			
Frequency (MHz)				1860	1882.5	1905			
20	PI2 BPSK	1	1	13.39	13.75	13.74			
20	PI2 BPSK	1	53	13.45	13.41	13.64	14.5	0.0	
20	PI2 BPSK	1	104	13.42	13.49	13.45			
20	PI2 BPSK	50	0	13.36	13.55	13.47			
20	PI2 BPSK	50	28	13.56	13.54	13.51	14.5	0.0	
20	PI2 BPSK	50	56	13.54	13.55	13.41			
20	PI2 BPSK	100	0	13.63	13.58	13.59	14.5	0.0	
20	QPSK	1	1	13.54	13.54	13.67			
20	QPSK	1	53	13.56	13.88	13.52	14.5	0.0	
20	QPSK	1	104	13.54	13.51	13.48			
20	QPSK	50	0	13.38	13.55	13.62			
20	QPSK	50	28	13.41	13.86	13.54	14.5	0.0	
20	QPSK	50	56	13.55	13.61	13.41			
20	QPSK	100	0	13.41	13.44	13.35	14.5	0.0	
20	16QAM	1	1	13.42	13.45	13.36	14.5	0.0	
20	16QAM	1	1	13.45	13.56	13.54	14.5	0.0	
20	256QAM	1	1	13.35	13.41	13.44	14.5	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1882.5	1907.5			
15	QPSK	1	53	13.46	13.54	13.55	14.5	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1910			
10	QPSK	1	53	13.51	13.56	13.41	14.5	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1912.5			
5	QPSK	1	53	13.55	13.58	13.36	14.5	0.0	

n2 Handheld on									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376500	381000			
Frequency (MHz)				1860	1882.5	1905			
20	PI2 BPSK	1	1	16.61	16.73	16.70			
20	PI2 BPSK	1	53	16.71	16.48	16.00	19.5	0.0	
20	PI2 BPSK	1	104	16.35	16.63	16.26			
20	PI2 BPSK	50	0	16.46	16.63	16.60			
20	PI2 BPSK	50	28	16.47	16.06	16.35	19.5	0.0	
20	PI2 BPSK	50	56	16.45	16.55	16.50			
20	PI2 BPSK	100	0	16.49	16.63	16.42	19.5	0.0	
20	QPSK	1	1	16.62	16.58	16.59			
20	QPSK	1	53	16.75	16.55	16.77	19.5	0.0	
20	QPSK	1	104	16.37	16.62	16.56			
20	QPSK	50	0	16.36	16.75	16.44			
20	QPSK	50	28	16.66	16.01	16.65	19.5	0.0	
20	QPSK	50	56	16.36	16.55	16.44			
20	QPSK	100	0	16.38	16.73	16.35	19.5	0.0	
20	16QAM	1	1	16.56	16.45	16.45	19.5	0.0	
20	16QAM	1	1	16.40	16.50	16.69	19.5	0.0	
20	256QAM	1	1	16.45	16.41	16.35	19.5	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1882.5	1907.5			
15	QPSK	1	53	16.45	16.55	16.54	19.5	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1910			
10	QPSK	1	53	16.30	16.55	16.65	19.5	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1912.5			
5	QPSK	1	53	16.40	16.45	16.41	19.5	0.0	



n5 Sensor on&Hotspot on									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				168500	167500	167000			
Frequency (MHz)				834	836.5	838			
20	P12 BPSK	1	1	22.43	22.36	22.35			
20	P12 BPSK	1	53	22.43	22.44	22.45		22.5	0.0
20	P12 BPSK	1	104	22.36	22.30	22.30			
20	P12 BPSK	50	0	22.37	22.33	22.38			
20	P12 BPSK	50	28	22.43	22.35	22.42		22.5	0.0
20	P12 BPSK	50	56	22.22	22.23	22.20			
20	P12 BPSK	100	0	22.34	22.29	22.32		22.5	0.0
20	QPSK	1	1	22.43	22.48	22.45			
20	QPSK	1	53	22.36	22.47	22.43		22.5	0.0
20	QPSK	1	104	22.33	22.30	22.35			
20	QPSK	50	0	22.37	22.32	22.37			
20	QPSK	50	28	22.36	22.38	22.37		22.5	0.0
20	QPSK	50	56	22.35	22.27	22.12			
20	QPSK	100	0	22.34	22.39	21.94	22.5	0.0	
20	16QAM	1	1	22.47	22.46	21.95	22.5	0.0	
20	64QAM	1	1	21.38	21.28	21.30	21.5	1.0	
20	256QAM	1	1	19.06	19.15	19.14	19.5	3.0	
Channel				168500	167500	168000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.28	22.31	22.21	22.5	0.0	
Channel				168500	167500	167000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.14	22.22	22.27	22.5	0.0	
Channel				165500	167500	169500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	22.09	22.11	22.13	22.5	0.0	

n66 Sensor on									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				344000	345000	354000			
Frequency (MHz)				1720	1745	1770			
20	P12 BPSK	1	1	17.80	17.83	17.90			
20	P12 BPSK	1	53	17.56	17.79	17.78	19.0	0.0	
20	P12 BPSK	1	104	17.44	17.81	17.87			
20	P12 BPSK	50	0	17.80	17.83	17.87			
20	P12 BPSK	50	28	17.47	17.78	17.86	19.0	0.0	
20	P12 BPSK	50	56	17.71	17.76	17.75			
20	P12 BPSK	100	0	17.52	17.73	17.76	19.0	0.0	
20	QPSK	1	1	17.88	17.94	17.86			
20	QPSK	1	53	17.50	17.81	17.84	19.0	0.0	
20	QPSK	1	104	17.29	17.83	17.86			
20	QPSK	50	0	17.41	17.77	17.76			
20	QPSK	50	28	17.25	17.72	17.74	19.0	0.0	
20	QPSK	50	56	17.55	17.86	17.74			
20	QPSK	100	0	17.19	17.89	17.67	19.0	0.0	
20	16QAM	1	1	17.60	17.83	17.94	19.0	0.0	
20	64QAM	1	1	17.87	17.68	17.78	19.0	0.0	
20	256QAM	1	1	17.91	17.93	17.89	19.0	0.0	
Channel				343000	346000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	17.63	17.89	17.82	19.0	0.0	
Channel				343000	345000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	17.74	17.78	17.71	19.0	0.0	
Channel				342500	346000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	17.79	17.82	17.73	19.0	0.0	

n66 Hotspot on									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	346000	354000			
Frequency (MHz)				1720	1745	1770			
20	P12 BPSK	1	1	16.24	16.30	16.34			
20	P12 BPSK	1	53	16.09	16.26	16.21	17.5	0.0	
20	P12 BPSK	1	104	16.09	16.14	16.22			
20	P12 BPSK	50	0	16.41	16.30	16.48			
20	P12 BPSK	50	28	16.18	16.17	16.57	17.5	0.0	
20	P12 BPSK	50	56	16.37	16.41	16.41			
20	P12 BPSK	100	0	16.22	16.22	16.48	17.5	0.0	
20	QPSK	1	1	16.60	16.68	16.58			
20	QPSK	1	53	16.15	16.20	16.29	17.5	0.0	
20	QPSK	1	104	16.05	15.98	16.13			
20	QPSK	50	0	16.33	16.35	16.35			
20	QPSK	50	28	15.94	15.95	16.03	17.5	0.0	
20	QPSK	50	56	16.18	16.25	16.37			
20	QPSK	100	0	15.88	16.20	15.89	17.5	0.0	
20	16QAM	1	1	16.16	16.30	16.32	17.5	0.0	
20	64QAM	1	1	16.10	16.12	16.11	17.5	0.0	
20	256QAM	1	1	16.13	16.21	16.23	17.5	0.0	
Channel				343500	346000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	16.11	16.32	16.17	17.5	0.0	
Channel				343000	346000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	16.15	16.21	16.28	17.5	0.0	
Channel				342500	346000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	16.25	16.26	16.12	17.5	0.0	

n66 Handheld on								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				344000	348000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PQ2 BPSK	1	1	19.80	19.87	19.77	20.5	0.0
20	PQ2 BPSK	1	53	19.56	19.55	19.76		
20	PQ2 BPSK	1	104	19.44	19.50	19.30		
20	PQ2 BPSK	50	0	19.80	19.84	19.76	20.5	0.0
20	PQ2 BPSK	50	28	19.47	19.55	19.37		
20	PQ2 BPSK	50	56	19.71	19.70	19.68		
20	PQ2 BPSK	100	0	19.82	19.57	19.40	20.5	0.0
20	QPSK	1	1	19.88	19.89	19.89	20.5	0.0
20	QPSK	1	53	19.50	19.63	19.38		
20	QPSK	1	104	19.26	19.31	19.12		
20	QPSK	50	0	19.41	19.64	19.27	20.5	0.0
20	QPSK	50	28	19.25	19.27	19.09		
20	QPSK	50	56	19.55	19.63	19.49		
20	QPSK	100	0	19.19	19.20	19.02	20.5	0.0
20	16QAM	1	1	19.62	19.63	19.50	20.5	0.0
20	64QAM	1	1	19.70	19.64	19.61	20.5	0.0
20	256QAM	1	1	19.23	19.25	19.45	19.5	1.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	19.74	19.81	19.79	20.5	0.0
Channel				343100	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	19.77	19.73	19.72	20.5	0.0
Channel				342500	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	19.65	19.68	19.63	20.5	0.0



n41&n41 HPUE for FCC Sensor on										n41&n41 HPUE for FCC Hotspot on										n41&n41 HPUE for FCC Handheld on									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505002	518998	528000				Channel				505002	518998	528000				Channel				505002	518998	528000			
Frequency (MHz)				2546.01	2592.99	2640	18.0	0.0		Frequency (MHz)				2546.01	2592.99	2640	16.0	0.0		Frequency (MHz)				2546.01	2592.99	2640	20.5	0.0	
100	PI2 BPSK	1	1	17.13	17.16	17.19				100	PI2 BPSK	1	1	15.30	15.46	15.39				100	PI2 BPSK	1	1	19.65	19.65	19.70			
100	PI2 BPSK	1	137	17.42	17.22	17.34	18.0 <td rowspan="2">0.0</td> <td rowspan="2"></td> <td>100</td> <td>PI2 BPSK</td> <td>1</td> <td>137</td> <td>15.32</td> <td>15.45</td> <td>15.54</td> <td rowspan="2">16.0<td rowspan="2">0.0</td><td rowspan="2"></td><td>100</td><td>PI2 BPSK</td><td>1</td><td>137</td><td>19.64</td><td>19.74</td><td>19.75</td><td rowspan="2">20.5<td rowspan="2">0.0</td><td rowspan="2"></td></td></td>	0.0		100	PI2 BPSK	1	137	15.32	15.45	15.54	16.0 <td rowspan="2">0.0</td> <td rowspan="2"></td> <td>100</td> <td>PI2 BPSK</td> <td>1</td> <td>137</td> <td>19.64</td> <td>19.74</td> <td>19.75</td> <td rowspan="2">20.5<td rowspan="2">0.0</td><td rowspan="2"></td></td>	0.0		100	PI2 BPSK	1	137	19.64	19.74	19.75	20.5 <td rowspan="2">0.0</td> <td rowspan="2"></td>	0.0	
100	PI2 BPSK	1	271	17.24	17.38	17.29				100	PI2 BPSK	1	271	15.40	15.45	15.49				100	PI2 BPSK	1	271	19.68	19.63	19.81			
100	PI2 BPSK	135	0	17.35	17.39	17.44	18.0 <td rowspan="2">0.0</td> <td rowspan="2"></td> <td>100</td> <td>PI2 BPSK</td> <td>135</td> <td>0</td> <td>15.51</td> <td>15.58</td> <td>15.64</td> <td rowspan="2">16.0<td rowspan="2">0.0</td><td rowspan="2"></td><td>100</td><td>PI2 BPSK</td><td>135</td><td>0</td><td>19.87</td><td>19.81</td><td>19.91</td><td rowspan="2">20.5<td rowspan="2">0.0</td><td rowspan="2"></td></td></td>	0.0		100	PI2 BPSK	135	0	15.51	15.58	15.64	16.0 <td rowspan="2">0.0</td> <td rowspan="2"></td> <td>100</td> <td>PI2 BPSK</td> <td>135</td> <td>0</td> <td>19.87</td> <td>19.81</td> <td>19.91</td> <td rowspan="2">20.5<td rowspan="2">0.0</td><td rowspan="2"></td></td>	0.0		100	PI2 BPSK	135	0	19.87	19.81	19.91	20.5 <td rowspan="2">0.0</td> <td rowspan="2"></td>	0.0	
100	PI2 BPSK	135	69	17.21	17.31	17.20				100	PI2 BPSK	135	69	15.31	15.63	15.40				100	PI2 BPSK	135	69	19.54	19.94	19.59			
100	PI2 BPSK	135	136	17.42	17.45	17.46	18.0 <td rowspan="2">0.0</td> <td rowspan="2"></td> <td>100</td> <td>PI2 BPSK</td> <td>135</td> <td>136</td> <td>15.59</td> <td>15.31</td> <td>15.66</td> <td rowspan="2">16.0<td rowspan="2">0.0</td><td rowspan="2"></td><td>100</td><td>PI2 BPSK</td><td>135</td><td>136</td><td>19.78</td><td>19.56</td><td>19.91</td><td rowspan="2">20.5<td rowspan="2">0.0</td><td rowspan="2"></td></td></td>	0.0		100	PI2 BPSK	135	136	15.59	15.31	15.66	16.0 <td rowspan="2">0.0</td> <td rowspan="2"></td> <td>100</td> <td>PI2 BPSK</td> <td>135</td> <td>136</td> <td>19.78</td> <td>19.56</td> <td>19.91</td> <td rowspan="2">20.5<td rowspan="2">0.0</td><td rowspan="2"></td></td>	0.0		100	PI2 BPSK	135	136	19.78	19.56	19.91	20.5 <td rowspan="2">0.0</td> <td rowspan="2"></td>	0.0	
100	PI2 BPSK	270	0	17.22	17.29	17.22				100	PI2 BPSK	270	0	15.35	15.43	15.42				100	PI2 BPSK	270	0	19.56	19.75	19.60			
100	QPSK	1	1	17.35	17.58	17.33	18.0 <td rowspan="2">0.0</td> <td rowspan="2"></td> <td>100</td> <td>QPSK</td> <td>1</td> <td>1</td> <td>15.56</td> <td>15.68</td> <td>15.53</td> <td rowspan="2">16.0<td rowspan="2">0.0</td><td rowspan="2"></td><td>100</td><td>QPSK</td><td>1</td><td>1</td><td>19.75</td><td>19.59</td><td>19.75</td><td rowspan="2">20.5<td rowspan="2">0.0</td><td rowspan="2"></td></td></td>	0.0		100	QPSK	1	1	15.56	15.68	15.53	16.0 <td rowspan="2">0.0</td> <td rowspan="2"></td> <td>100</td> <td>QPSK</td> <td>1</td> <td>1</td> <td>19.75</td> <td>19.59</td> <td>19.75</td> <td rowspan="2">20.5<td rowspan="2">0.0</td><td rowspan="2"></td></td>	0.0		100	QPSK	1	1	19.75	19.59	19.75	20.5 <td rowspan="2">0.0</td> <td rowspan="2"></td>	0.0	
100	QPSK	1	137	17.22	17.34	17.27				100	QPSK	1	137	15.40	15.50	15.47				100	QPSK	1	137	19.69	19.56	19.61			
100	QPSK	1	271	17.41	17.57	17.34	18.0 <td rowspan="3">0.0</td> <td rowspan="3"></td> <td>100</td> <td>QPSK</td> <td>1</td> <td>271</td> <td>15.55</td> <td>15.64</td> <td>15.54</td> <td rowspan="2">16.0<td rowspan="2">0.0</td><td rowspan="2"></td><td>100</td><td>QPSK</td><td>1</td><td>271</td><td>19.73</td><td>19.97</td><td>19.71</td><td rowspan="2">20.5<td rowspan="2">0.0</td><td rowspan="2"></td></td></td>	0.0		100	QPSK	1	271	15.55	15.64	15.54	16.0 <td rowspan="2">0.0</td> <td rowspan="2"></td> <td>100</td> <td>QPSK</td> <td>1</td> <td>271</td> <td>19.73</td> <td>19.97</td> <td>19.71</td> <td rowspan="2">20.5<td rowspan="2">0.0</td><td rowspan="2"></td></td>	0.0		100	QPSK	1	271	19.73	19.97	19.71	20.5 <td rowspan="2">0.0</td> <td rowspan="2"></td>	0.0	
100	QPSK	135	0	17.03	17.36	17.14				100	QPSK	135	0	15.19	15.66	15.34				100	QPSK	135	0	19.42	19.88	19.65			
100	QPSK	135	69	17.09	17.25	17.10				100	QPSK	135	69	15.23	15.29	15.30	100	QPSK	135	69	19.54	19.58	19.51						
100	QPSK	135	136	17.28	17.34	17.35	18.0 <td rowspan="2">0.0</td> <td rowspan="2"></td> <td>100</td> <td>QPSK</td> <td>135</td> <td>136</td> <td>15.42</td> <td>15.64</td> <td>15.55</td> <td rowspan="2">16.0<td rowspan="2">0.0</td><td rowspan="2"></td><td>100</td><td>QPSK</td><td>135</td><td>136</td><td>19.67</td><td>19.82</td><td>19.87</td><td rowspan="2">20.5<td rowspan="2">0.0</td><td rowspan="2"></td></td></td>	0.0		100	QPSK	135	136	15.42	15.64	15.55	16.0 <td rowspan="2">0.0</td> <td rowspan="2"></td> <td>100</td> <td>QPSK</td> <td>135</td> <td>136</td> <td>19.67</td> <td>19.82</td> <td>19.87</td> <td rowspan="2">20.5<td rowspan="2">0.0</td><td rowspan="2"></td></td>	0.0		100	QPSK	135	136	19.67	19.82	19.87	20.5 <td rowspan="2">0.0</td> <td rowspan="2"></td>	0.0	
100	QPSK	270	0	17.03	17.29	17.04				100	QPSK	270	0	15.19	15.43	15.24				100	QPSK	270	0	19.51	19.68	19.51			
100	16QAM	1	1	17.45	17.55	17.34	18.0 <td rowspan="2">0.0</td> <td rowspan="2"></td> <td>100</td> <td>16QAM</td> <td>1</td> <td>1</td> <td>15.59</td> <td>15.42</td> <td>15.54</td> <td rowspan="2">16.0<td rowspan="2">0.0</td><td rowspan="2"></td><td>100</td><td>16QAM</td><td>1</td><td>1</td><td>19.57</td><td>19.63</td><td>19.73</td><td rowspan="2">20.5<td rowspan="2">0.0</td><td rowspan="2"></td></td></td>	0.0		100	16QAM	1	1	15.59	15.42	15.54	16.0 <td rowspan="2">0.0</td> <td rowspan="2"></td> <td>100</td> <td>16QAM</td> <td>1</td> <td>1</td> <td>19.57</td> <td>19.63</td> <td>19.73</td> <td rowspan="2">20.5<td rowspan="2">0.0</td><td rowspan="2"></td></td>	0.0		100	16QAM	1	1	19.57	19.63	19.73	20.5 <td rowspan="2">0.0</td> <td rowspan="2"></td>	0.0	
100	64QAM	1	1	17.21	17.29	17.23				100	64QAM	1	1	15.32	15.38	15.26				100	64QAM	1	1	19.67	19.66	19.48			
100	256QAM	1	1	17.25	17.45	17.34	18.0 <td rowspan="2">0.0</td> <td rowspan="2"></td> <td>100</td> <td>256QAM</td> <td>1</td> <td>1</td> <td>15.29</td> <td>15.26</td> <td>15.21</td> <td rowspan="2">16.0<td rowspan="2">0.0</td><td rowspan="2"></td><td>100</td><td>256QAM</td><td>1</td><td>1</td><td>19.64</td><td>19.42</td><td>19.35</td><td rowspan="2">20.5<td rowspan="2">1.0</td><td rowspan="2"></td></td></td>	0.0		100	256QAM	1	1	15.29	15.26	15.21	16.0 <td rowspan="2">0.0</td> <td rowspan="2"></td> <td>100</td> <td>256QAM</td> <td>1</td> <td>1</td> <td>19.64</td> <td>19.42</td> <td>19.35</td> <td rowspan="2">20.5<td rowspan="2">1.0</td><td rowspan="2"></td></td>	0.0		100	256QAM	1	1	19.64	19.42	19.35	20.5 <td rowspan="2">1.0</td> <td rowspan="2"></td>	1.0	
Channel				505000	518998	528999				Channel				505000	518998	528999				Channel				505000	518998	528999			
Frequency (MHz)				2541	2592.99	2644.98	15.0	0.0		Frequency (MHz)				2541	2592.99	2644.98	16.0	0.0		Frequency (MHz)				2541	2592.99	2644.98	19.0	MPR (dB)	
90	QPSK	1	1	17.10	17.17	17.12	90	QPSK	1	1	15.21	15.17	15.10	90	QPSK	1	1	19.60	19.51	19.72									
Channel				507204	518998	529998	Channel				507204	518998	529998	Channel				507204	518998	529998									
Frequency (MHz)				2536.02	2592.99	2649.99	18.0	MPR (dB)		Frequency (MHz)				2536.02	2592.99	2649.99	16.0	0.0		Frequency (MHz)				2536.02	2592.99	2649.99	19.0	MPR (dB)	
80	QPSK	1	1	17.20	17.25	17.23	80	QPSK	1	1	15.19	15.31	15.25	80	QPSK	1	1	19.63	19.62	19.54	20.5	0.0							
Channel				505200	518998	531998	Channel				505200	518998	531998	Channel				505200	518998	531998									
Frequency (MHz)				2526	2592.99	2659.98	18.0	0.0		Frequency (MHz)				2526	2592.99	2659.98	16.0	0.0		Frequency (MHz)				2526	2592.99	2659.98	19.0	MPR (dB)	
60	QPSK	1	1	17.11	17.14	17.15	60	QPSK	1	1	15.10	15.21	15.23	60	QPSK	1	1	19.71	19.73	19.69	20.5	0.0							
Channel				504204	518998	532998	Channel				504204	518998	532998	Channel				504204	518998	532998									
Frequency (MHz)				2521.02	2592.99	2664.99	18.0	MPR (dB)		Frequency (MHz)				2521.02	2592.99	2664.99	16.0	0.0		Frequency (MHz)				2521.02	2592.99	2664.99	19.0	MPR (dB)	
50	QPSK	1	1	17.20	17.29	17.23	50	QPSK	1	1	15.25	15.34	15.26	50	QPSK	1	1	19.75	19.71	19.63	20.5	0.0							
Channel				503202	518998	534000	Channel				503202	518998	534000	Channel				503202	518998	534000									
Frequency (MHz)				2518.01	2592.99	2670	18.0	0.0		Frequency (MHz)				2518.01	2592.99	2670	16.0	0.0		Frequency (MHz)				2518.01	2592.99	2670	19.0	MPR (dB)	
40	QPSK	1	1	17.53	17.66	17.65	40	QPSK	1	1	15.51	15.60	15.56	40	QPSK	1	1	19.67	19.69	19.79	20.5	0.0							
Channel				501204	518998	535998	Channel				501204	518998	535998	Channel				501204	518998	535998									
Frequency (MHz)				2506.02	2592.99	2679.99	18.0	MPR (dB)		Frequency (MHz)				2506.02	2592.99	2679.99	16.0	0.0		Frequency (MHz)				2506.02	2592.99	2679.99	19.0	MPR (dB)	
20	QPSK	1	1	17.25	17.39	17.31	20	QPSK	1	1	15.20	15.32	15.30	20	QPSK	1	1	19.72	19.64	19.71	20.5	0.0							



For UAT

n2 Receiver on									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1850	1880	1900			
20	PI/2 BPSK	1	1	13.66	13.77	13.62	14.0	0.0	
20	PI/2 BPSK	1	53	13.72	13.78	1.81			
20	PI/2 BPSK	1	104	13.58	13.76	13.46			
20	PI/2 BPSK	50	0	13.82	13.76	13.56	14.0	0.0	
20	PI/2 BPSK	50	28	13.55	13.81	13.53			
20	PI/2 BPSK	50	56	13.52	13.85	13.52			
20	PI/2 BPSK	100	0	13.55	13.74	13.55	14.0	0.0	
20	QPSK	1	1	13.63	13.86	13.73	14.0	0.0	
20	QPSK	1	53	13.73	13.81	13.63			
20	QPSK	1	104	13.47	13.80	13.45			
20	QPSK	50	0	13.65	13.78	13.47	14.0	0.0	
20	QPSK	50	28	13.58	13.82	13.48			
20	QPSK	50	56	13.56	13.81	13.50			
20	QPSK	100	0	13.58	13.79	13.47	14.0	0.0	
20	16QAM	1	1	13.73	13.81	13.38	14.0	0.0	
20	64QAM	1	1	13.68	13.76	13.58	14.0	0.0	
20	256QAM	1	1	13.69	13.85	13.76	14.0	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	1	13.83	13.81	13.75	14.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	1	13.76	13.62	13.65	14.0	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	1	13.74	13.68	13.59	14.0	0.0	

n2 Sensor on									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1880	1900			
20	PI/2 BPSK	1	1	17.14	17.38	17.24	17.5	0.0	
20	PI/2 BPSK	1	53	17.33	17.42	17.33			
20	PI/2 BPSK	1	104	17.09	17.28	17.19			
20	PI/2 BPSK	50	0	17.09	17.28	17.04	17.5	0.0	
20	PI/2 BPSK	50	28	17.12	17.31	17.11			
20	PI/2 BPSK	50	56	17.04	17.23	17.21			
20	PI/2 BPSK	100	0	17.11	17.09	17.24	17.5	0.0	
20	QPSK	1	1	17.21	17.40	17.10	17.5	0.0	
20	QPSK	1	53	17.22	17.43				
20	QPSK	1	104	17.14	17.29	17.13			
20	QPSK	50	0	17.15	17.26	17.05	17.5	0.0	
20	QPSK	50	28	17.31	17.39	17.23			
20	QPSK	50	56	17.34	17.24	17.15			
20	QPSK	100	0	17.13	17.32	17.23	17.5	0.0	
20	16QAM	1	1	17.19	17.35	17.09	17.5	0.0	
20	64QAM	1	1	17.13	17.21	17.06	17.5	0.0	
20	256QAM	1	1	17.24	17.39	17.30	17.5	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	53	17.28	17.23	17.26	17.5	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	53	17.25	17.30	17.31	17.5	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	53	17.07	17.21	17.13	17.5	0.0	

n2 Hotspot on									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1859	1880	1900			
20	PI/2 BPSK	1	1	14.59	14.73	14.58	15.0	0.0	
20	PI/2 BPSK	1	53	14.72	14.62	14.83			
20	PI/2 BPSK	1	104	14.52	14.69	14.41			
20	PI/2 BPSK	50	0	14.54	14.77	14.50	15.0	0.0	
20	PI/2 BPSK	50	28	14.61	14.64	14.42			
20	PI/2 BPSK	50	56	14.63	14.61	14.47			
20	PI/2 BPSK	100	0	14.70	14.52	14.49	15.0	0.0	
20	QPSK	1	1	14.72	14.87	14.62	15.0	0.0	
20	QPSK	1	53	14.84	14.67	14.58			
20	QPSK	1	104	14.62	14.55	14.39			
20	QPSK	50	0	14.74	14.53	14.38	15.0	0.0	
20	QPSK	50	28	14.69	14.76	14.43			
20	QPSK	50	56	14.71	14.50	14.44			
20	QPSK	100	0	14.67	14.72	14.36	15.0	0.0	
20	16QAM	1	1	14.86	14.62	14.33	15.0	0.0	
20	64QAM	1	1	14.52	14.71	14.52	15.0	0.0	
20	256QAM	1	1	14.69	14.68	14.67	15.0	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	1	14.57	14.66	14.52	15.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	1	14.57	14.58	14.65	15.0	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	1	14.61	14.52	14.62	15.0	0.0	



n2 Handheld on

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1650	1680	1700		
20	PI/2 BPSK	1	1	21.05	21.02	20.96		
20	PI/2 BPSK	1	53	21.21	21.18	21.20	21.5	0.0
20	PI/2 BPSK	1	104	20.95	20.97	20.80		
20	PI/2 BPSK	50	0	20.80	20.97	20.90		
20	PI/2 BPSK	50	28	20.90	21.00	20.87	21.5	0.0
20	PI/2 BPSK	50	56	20.87	20.92	20.86		
20	PI/2 BPSK	100	0	20.92	20.99	20.89	21.5	0.0
20	QPSK	1	1	20.79	21.23	21.07		
20	QPSK	1	53	20.81	21.07	20.97	21.5	0.0
20	QPSK	1	104	20.82	20.97	20.84		
20	QPSK	50	0	20.84	20.84	21.02		
20	QPSK	50	28	20.95	21.02	20.95	21.5	0.0
20	QPSK	50	56	20.93	20.93	20.93		
20	QPSK	100	0	20.95	21.01	20.81	21.5	0.0
20	16QAM	1	1	21.12	21.07	20.72	21.5	0.0
20	64QAM	1	1	21.05	21.04	21.02	21.5	0.0
20	256QAM	1	1	18.60	18.70	18.61	19.5	2.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	20.90	21.12	20.10	21.5	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	19.88	19.99	20.01	21.5	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	19.99	19.98	19.89	21.5	0.0

n5 Receiver on

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	20.49	20.58	20.57		
20	PI/2 BPSK	1	53	20.7	20.69	20.63	21.0	0.0
20	PI/2 BPSK	1	104	20.4	20.46	20.46		
20	PI/2 BPSK	50	0	20.48	20.52	20.47		
20	PI/2 BPSK	50	28	20.42	20.5	20.43	21.0	0.0
20	PI/2 BPSK	50	56	20.43	20.42	20.45		
20	PI/2 BPSK	100	0	20.46	20.51	20.48	21.0	0.0
20	QPSK	1	1	20.56	20.85	20.62		
20	QPSK	1	53	20.57	20.7	20.54	21.0	0.0
20	QPSK	1	104	20.42	20.45	20.4		
20	QPSK	50	0	20.50	20.54	20.50		
20	QPSK	50	28	20.48	20.5	20.47	21.0	0.0
20	QPSK	50	56	20.40	20.48	20.42		
20	QPSK	100	0	20.48	20.49	20.38	21.0	0.0
20	16QAM	1	1	20.7	20.71	20.68	21.0	0.0
20	64QAM	1	1	20.63	20.73	20.65	21.0	0.0
20	256QAM	1	1	19.17	19.13	19.37	19.5	1.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	20.43	20.47	20.55	21.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	20.44	20.55	20.53	21.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	20.1	20.8	19.87	21.0	0.0

n5 Sensor on&Hotspot on

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	22.77	22.87	22.74		
20	PI/2 BPSK	1	53	22.82	22.89	23.02	23.5	0.0
20	PI/2 BPSK	1	104	22.61	22.66	22.47		
20	PI/2 BPSK	50	0	22.63	22.72	22.59		
20	PI/2 BPSK	50	28	22.71	22.70	22.61	23.5	0.0
20	PI/2 BPSK	50	56	22.58	22.62	22.55		
20	PI/2 BPSK	100	0	22.78	22.78	22.71	23.5	0.0
20	QPSK	1	1	23.02	23.03	23.03		
20	QPSK	1	53	22.84	22.89	22.72	23.5	0.0
20	QPSK	1	104	22.73	22.66	22.57		
20	QPSK	50	0	22.21	22.31	22.07		
20	QPSK	50	28	22.58	22.75	22.60	23.5	0.0
20	QPSK	50	56	22.14	22.21	22.08		
20	QPSK	100	0	22.19	22.20	22.02	23.0	1.0
20	16QAM	1	1	22.05	22.17	21.93	23.0	1.0
20	64QAM	1	1	20.86	20.94	20.97	21.5	2.5
20	256QAM	1	1	18.62	18.67	18.73	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.02	23.17	23.12	23.5	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.1	23.06	23.03	23.5	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.95	22.94	22.91	23.5	0.0



n25 Receiver on								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	PI/2 BPSK	1	1	13.40	13.30	13.27	14.0	0.0
20	PI/2 BPSK	1	53	13.26	13.39	13.29		
20	PI/2 BPSK	1	104	13.30	13.26	13.11		
20	PI/2 BPSK	50	0	13.34	13.25	13.21	14.0	0.0
20	PI/2 BPSK	50	28	13.27	13.28	13.18		
20	PI/2 BPSK	50	56	13.24	13.20	13.17		
20	PI/2 BPSK	100	0	13.27	13.27	13.20	14.0	0.0
20	QPSK	1	1	13.35	13.47	13.38	14.0	0.0
20	QPSK	1	53	13.45	13.40	13.28		
20	QPSK	1	104	13.19	13.26	13.10		
20	QPSK	50	0	13.37	13.38	13.12	14.0	0.0
20	QPSK	50	28	13.30	13.29	13.13		
20	QPSK	50	56	13.28	13.21	13.15		
20	QPSK	100	0	13.23	13.29	13.12	14.0	0.0
20	16QAM	1	1	13.47	13.35	13.03	14.0	0.0
20	64QAM	1	1	13.40	13.12	13.23	14.0	0.0
20	256QAM	1	1	13.41	13.36	13.43	14.0	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5	14.0	0.0
15	QPSK	1	1	13.25	13.3	13.22	14.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910	14.0	0.0
10	QPSK	1	1	13.27	13.32	13.36	14.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5	14.0	0.0
5	QPSK	1	1	13.22	13.31	13.38	14.0	0.0

n25 Sensor on								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	PI/2 BPSK	1	1	16.73	16.96	16.73	17.5	0.0
20	PI/2 BPSK	1	53	16.92	16.90	16.82		
20	PI/2 BPSK	1	104	16.68	16.85	16.68		
20	PI/2 BPSK	50	0	16.68	16.85	16.68	17.5	0.0
20	PI/2 BPSK	50	28	16.71	16.88	16.71		
20	PI/2 BPSK	50	56	16.63	16.80	16.63		
20	PI/2 BPSK	100	0	16.70	16.87	16.70	17.5	0.0
20	QPSK	1	1	16.80	16.97	16.80	17.5	0.0
20	QPSK	1	53	16.83	16.87	16.83		
20	QPSK	1	104	16.69	16.86	16.69		
20	QPSK	50	0	16.69	16.85	16.69	17.5	0.0
20	QPSK	50	28	16.72	16.86	16.72		
20	QPSK	50	56	16.64	16.81	16.64		
20	QPSK	100	0	16.72	16.89	16.72	17.5	0.0
20	16QAM	1	1	16.78	16.95	16.58	17.5	0.0
20	64QAM	1	1	16.75	16.72	16.55	17.5	0.0
20	256QAM	1	1	16.79	16.96	16.79	17.5	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5	17.5	0.0
15	QPSK	1	1	16.89	16.93	16.9	17.5	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910	17.5	0.0
10	QPSK	1	1	16.77	16.87	16.89	17.5	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5	17.5	0.0
5	QPSK	1	1	16.68	16.89	16.62	17.5	0.0

n25 Hotspot on								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	PI/2 BPSK	1	1	14.31	14.46	14.15	15.0	0.0
20	PI/2 BPSK	1	53	14.11	14.29	14.20		
20	PI/2 BPSK	1	104	14.17	14.09	14.00		
20	PI/2 BPSK	50	0	14.25	14.11	14.09	15.0	0.0
20	PI/2 BPSK	50	28	14.12	14.18	14.01		
20	PI/2 BPSK	50	56	14.11	14.04	14.06		
20	PI/2 BPSK	100	0	14.18	14.13	14.08	15.0	0.0
20	QPSK	1	1	14.20	14.36	14.21	15.0	0.0
20	QPSK	1	53	14.32	14.24	14.17		
20	QPSK	1	104	14.10	14.12	13.98		
20	QPSK	50	0	14.22	14.10	13.95	15.0	0.0
20	QPSK	50	28	14.17	14.23	14.02		
20	QPSK	50	56	14.19	14.07	14.03		
20	QPSK	100	0	14.15	14.19	13.95	15.0	0.0
20	16QAM	1	1	14.34	14.19	13.92	15.0	0.0
20	64QAM	1	1	14.31	13.98	14.11	15.0	0.0
20	256QAM	1	1	14.26	14.26	14.26	15.0	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5	15.0	0.0
15	QPSK	1	1	14.12	14.14	14.11	15.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910	15.0	0.0
10	QPSK	1	1	14.18	14.18	14.24	15.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5	15.0	0.0
5	QPSK	1	1	14.07	14.21	14.21	15.0	0.0

n25 Handheld on

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	PI/2 BPSK	1	1	21.20	21.10	21.07	21.5	0.0
20	PI/2 BPSK	1	53	21.35	21.19	21.39		
20	PI/2 BPSK	1	104	21.10	21.05	20.91		
20	PI/2 BPSK	50	0	21.14	21.05	21.01	21.5	0.0
20	PI/2 BPSK	50	28	21.07	21.08	20.98		
20	PI/2 BPSK	50	56	21.04	21.00	20.97		
20	PI/2 BPSK	100	0	21.07	21.07	21.00	21.5	0.0
20	QPSK	1	1	21.15	21.41	21.18	21.5	0.0
20	QPSK	1	53	21.25	21.20	21.08		
20	QPSK	1	104	20.99	21.06	20.90		
20	QPSK	50	0	21.17	21.09	20.92	21.5	0.0
20	QPSK	50	28	21.10	21.15	20.93		
20	QPSK	50	56	21.08	21.01	20.95		
20	QPSK	100	0	21.10	21.19	20.92	21.5	0.0
20	16QAM	1	1	21.27	21.15	20.83	21.5	0.0
20	64QAM	1	1	21.20	20.92	21.03	21.5	0.0
20	256QAM	1	1	19.27	19.22	19.32	19.5	2.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	21.05	21.11	21.02	21.5	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	21.07	21.12	21.16	21.5	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	21.02	21.11	21.18	21.5	0.0

n66 Receiver on

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	13.89	13.88	13.75	14.5	0.0
20	PI/2 BPSK	1	53	13.83	13.86	13.89		
20	PI/2 BPSK	1	104	13.91	13.81	13.62		
20	PI/2 BPSK	50	0	14.01	13.84	13.71	14.5	0.0
20	PI/2 BPSK	50	28	13.88	13.83	13.74		
20	PI/2 BPSK	50	56	13.88	13.79	13.72		
20	PI/2 BPSK	100	0	13.78	13.79	13.72	14.5	0.0
20	QPSK	1	1	14.03	14.04	14.02	14.5	0.0
20	QPSK	1	53	13.89	13.89	13.72		
20	QPSK	1	104	13.94	13.96	13.87		
20	QPSK	50	0	13.92	13.93	13.82	14.5	0.0
20	QPSK	50	28	13.77	13.84	13.67		
20	QPSK	50	56	13.90	13.79	13.66		
20	QPSK	100	0	13.84	13.85	13.65	14.5	0.0
20	16QAM	1	1	13.76	13.69	13.25	14.5	0.0
20	64QAM	1	1	13.92	13.92	13.75	14.5	0.0
20	256QAM	1	1	14.02	14.02	14.04	14.5	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	13.82	13.84	13.78	14.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	13.86	13.88	13.80	14.5	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	13.80	13.89	13.74	14.5	0.0

n66 Sensor on

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	17.34	17.38	17.23	18.0	0.0
20	PI/2 BPSK	1	53	17.34	17.32	17.42		
20	PI/2 BPSK	1	104	17.40	17.33	17.09		
20	PI/2 BPSK	50	0	17.46	17.34	17.19	18.0	0.0
20	PI/2 BPSK	50	28	17.39	17.29	17.27		
20	PI/2 BPSK	50	56	17.37	17.31	17.19		
20	PI/2 BPSK	100	0	17.23	17.29	17.20	18.0	0.0
20	QPSK	1	1	17.54	17.59	17.55	18.0	0.0
20	QPSK	1	53	17.38	17.41	17.19		
20	QPSK	1	104	17.99	17.46	17.35		
20	QPSK	50	0	17.43	17.44	17.15	18.0	0.0
20	QPSK	50	28	17.26	17.35	17.14		
20	QPSK	50	56	17.35	17.29	17.14		
20	QPSK	100	0	17.35	17.39	17.18	18.0	0.0
20	16QAM	1	1	17.25	17.21	16.72	18.0	0.0
20	64QAM	1	1	17.37	17.42	17.23	18.0	0.0
20	256QAM	1	1	17.53	17.48	17.57	18.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	17.31	17.35	17.25	18.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	17.31	17.38	17.28	18.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	17.31	17.35	17.27	18.0	0.0

n66 Hotspot on									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	15.42	15.51	15.54	16.0	0.0	
20	PI/2 BPSK	1	53	15.46	15.41	15.54			
20	PI/2 BPSK	1	104	15.52	15.46	15.19			
20	PI/2 BPSK	50	0	15.54	15.47	15.30			
20	PI/2 BPSK	50	28	15.53	15.38	15.39	16.0	0.0	
20	PI/2 BPSK	50	56	15.49	15.44	15.29			
20	PI/2 BPSK	100	0	15.31	15.42	15.31			
20	QPSK	1	1	15.68	15.71	15.67			
20	QPSK	1	53	15.50	15.54	15.29	16.0	0.0	
20	QPSK	1	104	15.47	15.59	15.46			
20	QPSK	50	0	15.57	15.58	15.27			
20	QPSK	50	28	15.38	15.49	15.24			
20	QPSK	50	56	15.43	15.42	15.25	16.0	0.0	
20	QPSK	100	0	15.49	15.58	15.30			
20	16QAM	1	1	15.37	15.34	14.82			
20	64QAM	1	1	15.45	15.55	15.34			
20	256QAM	1	1	15.67	15.57	15.69	16.0	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	15.43	15.49	15.35	16.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	15.39	15.51	15.39	16.0	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	15.45	15.44	15.39	16.0	0.0	

n66 Handheld on									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	20.02	20.16	19.97	20.5	0.0	
20	PI/2 BPSK	1	53	20.14	20.02	20.22			
20	PI/2 BPSK	1	104	20.16	20.13	19.81			
20	PI/2 BPSK	50	0	20.14	20.12	19.93			
20	PI/2 BPSK	50	28	20.19	19.99	20.07	20.5	0.0	
20	PI/2 BPSK	50	56	20.13	20.11	19.91			
20	PI/2 BPSK	100	0	19.91	20.07	19.94			
20	QPSK	1	1	20.34	20.36	20.35			
20	QPSK	1	53	20.14	20.21	19.91	20.5	0.0	
20	QPSK	1	104	20.07	20.24	20.09			
20	QPSK	50	0	20.23	20.24	19.95			
20	QPSK	50	28	20.02	20.16	19.86			
20	QPSK	50	56	20.03	20.07	19.88	20.5	0.0	
20	QPSK	100	0	20.15	20.16	19.98			
20	16QAM	1	1	20.01	20.01	19.44			
20	64QAM	1	1	20.05	20.20	19.97			
20	256QAM	1	1	19.23	19.28	19.30	19.5	1.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	20.17	20.16	20.00	20.5	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	19.99	20.16	20.02	20.5	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	20.11	20.05	20.01	20.5	0.0	



MIMO

2.4GHz WLAN	Full Power/Hotspot/Body Worn/Handheld					
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	22.11	22.50	100.00
		6	2437	22.12	22.50	
		11	2462	22.11	22.50	
	802.11g 6Mbps	1	2412	20.83	21.50	98.28
		6	2437	21.04	21.50	
		11	2462	19.57	21.50	
	802.11n-HT20 MCS0	1	2412	19.36	21.00	98.16
		6	2437	21.22	21.50	
		11	2462	18.93	21.00	

2.4GHz WLAN	Receiver On					
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	20.90	21.50	100.00
		6	2437	20.18	21.50	
		11	2462	20.15	21.50	
	802.11g 6Mbps	1	2412	Not Inquired	21.50	98.28
		6	2437		21.50	
		11	2462		21.50	
	802.11n-HT20 MCS0	1	2412	Not Inquired	21.00	98.16
		6	2437		21.50	
		11	2462		21.00	

5GHz WLAN	Full Power/Receiver On/handheld					
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	19.52	21.00	98.62
		40	5200	20.19	21.00	
		44	5220	20.42	21.00	
		48	5240	20.38	21.00	
	802.11n-HT20 MCS0	36	5180	19.55	20.00	98.52
		40	5200	19.12	20.00	
		44	5220	19.27	20.00	
		48	5240	19.52	20.00	
	802.11n-HT40 MCS0	36	5190	11.95	13.00	96.35
		40	5230	16.99	20.00	
		36	5180	19.57	20.00	
		40	5200	19.06	20.00	
	802.11ac-VHT20 MCS0	44	5220	19.35	20.00	98.89
		48	5240	19.51	20.00	
		36	5190	11.96	13.00	
		40	5230	19.05	20.00	
	802.11ac-VHT80 MCS0	42	5210	11.74	13.00	93.31

5GHz WLAN	Body Worn					
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	14.28	15.00	98.62
		40	5200	14.31	15.00	
		44	5220	14.36	15.00	
		48	5240	14.40	15.00	
	802.11n-HT20 MCS0	36	5180	Not Inquired	15.00	98.52
		40	5200		15.00	
		44	5220		15.00	
		48	5240		15.00	
	802.11n-HT40 MCS0	36	5190	Not Inquired	13.00	96.35
		40	5230		14.50	
		36	5180		15.00	
		40	5200		15.00	
	802.11ac-VHT20 MCS0	44	5220	Not Inquired	15.00	98.89
		48	5240		15.00	
		36	5190		13.00	
		40	5230		14.50	
	802.11ac-VHT80 MCS0	42	5210	Not Inquired	13.00	93.31

5GHz WLAN	Full Power/Receiver On/handheld					
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260	20.35	21.00	98.62
		56	5280	20.42	21.00	
		60	5300	20.32	21.00	
		64	5320	20.41	21.00	
	802.11n-HT20 MCS0	52	5260	19.36	20.00	98.52
		56	5280	19.34	20.00	
		60	5300	19.44	20.00	
		64	5320	19.53	20.00	
	802.11n-HT40 MCS0	54	5270	18.80	20.00	96.35
		62	5310	12.78	13.50	
		52	5260	19.31	20.00	
		56	5280	19.38	20.00	
	802.11ac-VHT20 MCS0	60	5300	19.41	20.00	98.89
		64	5320	19.55	20.00	
		54	5270	18.91	20.00	
		62	5310	12.83	13.50	
	802.11ac-VHT80 MCS0	58	5290	13.50	14.50	93.31

5GHz WLAN	Body Worn					
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260	14.23	15.00	98.62
		56	5280	14.28	15.00	
		60	5300	14.28	15.00	
		64	5320	13.91	15.00	
	802.11n-HT20 MCS0	52	5260	Not Inquired	15.00	98.52
		56	5280		15.00	
		60	5300		15.00	
		64	5320		15.00	
	802.11n-HT40 MCS0	54	5270	Not Inquired	14.50	96.35
		62	5310		13.50	
		52	5260		15.00	
		56	5280		15.00	
	802.11ac-VHT20 MCS0	60	5300	Not Inquired	15.00	98.89
		64	5320		15.00	
		54	5270		14.50	
		62	5310		13.50	
	802.11ac-VHT80 MCS0	58	5290	Not Inquired	14.50	93.31

5GHz WLAN	Full Power/Receiver On/handheld					
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	100	5650	20.59	21.50	98.62
		116	5680	20.77	21.50	
		132	5660	20.74	21.50	
		140	5700	20.53	21.50	
	802.11n-HT20 MCS0	100	5650	19.61	20.00	98.52
		116	5680	20.20	21.00	
		132	5660	19.95	20.00	
		140	5700	18.22	19.00	
	802.11n-HT40 MCS0	102	5610	14.55	15.50	96.35
		110	5650	19.21	20.00	
		134	5670	19.30	20.00	
		100	5650	19.58	20.00	
	802.11ac-VHT20 MCS0	116	5680	20.21	21.00	98.89
		132	5660	19.98	21.00	
		140	5700	18.25	19.50	
		102	5610	14.58	15.50	
	802.11ac-VHT40 MCS0	110	5650	19.24	20.00	96.35
		134	5670	19.35	20.00	
		106	5630	12.62	13.50	

5GHz WLAN	Body Worn					
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	100	5650	13.72	15.50	98.62
		116	5680	14.47	15.50	
		132	5660	14.22	15.50	
		140	5700	14.12	15.50	
	802.11n-HT20 MCS0	100	5650	Not Inquired	15.50	98.52
		116	5680		15.50	
		132	5660		15.50	
		140	5700		15.50	
	802.11n-HT40 MCS0	102	5610	Not Inquired	15.00	96.35
		110	5650		15.00	
		134	5670		15.00	
		100	5650		15.50	
	802.11ac-VHT20 MCS0	116	5680	Not Inquired	15.50	98.89
		132	5660		15.50	
		140	5700		15.50	
		102	5610		15.00	
	802.11ac-VHT40 MCS0	110	5650	Not Inquired	15.00	96.35
		134	5670		15.00	
		106	5630		13.50	

5GHz WLAN	Full Power/Receiver On/handheld					
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	149	5745	20.38	21.50	98.62
		157	5785	20.55	21.50	
		165	5825	20.94	21.50	
		149	5745	19.98	21.00	
	802.11n-HT20 MCS0	157	5785	19.61	20.50	98.52
		165	5825	20.00	21.00	
		151	5755	19.08	20.00	
		159	5795	18.94	20.00	
	802.11n-HT40 MCS0	149	5745	20.01	21.00	96.35
		157	5785	19.61	20.50	
		165	5825	19.96	21.00	
		151	5755	19.14	20.00	
	802.11ac-VHT20 MCS0	159	5795	18.93	20.00	98.89
		155	5775	19.04	20.00	
		149	5745	20.01	21.00	
		157	5785	19.61	20.50	
	802.11ac-VHT40 MCS0	157	5785	19.61	20.50	98.89
		165	5825	19.96	21.00	
		151	5755	19.14	20.00	
		159	5795	18.93	20.00	
	802.11ac-VHT80 MCS0	155	5775	19.04	20.00	93.31

5GHz WLAN	Body Worn
-----------	-----------

MIMO						
2.4GHz WLAN	Simultaneous					
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	15.81	16.50	100.00
		6	2437	15.07	16.50	
		11	2462	14.92	16.50	
	802.11g 6Mbps	1	2412	Not Inquired	16.50	98.28
		6	2437		16.50	
		11	2462		16.50	
	802.11n-HT20 MCS0	1	2412		16.50	98.16
		6	2437		16.50	
		11	2462		16.50	

5GHz WLAN	Simultaneous					
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	9.88	11.00	98.62
		40	5200	9.79	11.00	
		44	5220	9.74	11.00	
		48	5240	9.83	11.00	
	802.11n-HT20 MCS0	36	5180	Not Inquired	11.00	98.52
		40	5200		11.00	
		44	5220		11.00	
		48	5240		11.00	
	802.11n-HT40 MCS0	38	5190		10.50	96.35
		46	5230		10.50	
	802.11ac-VHT20 MCS0	36	5180		11.00	98.89
		40	5200		11.00	
		44	5220		11.00	
		48	5240		11.00	
	802.11ac-VHT40 MCS0	38	5190		10.50	96.35
		46	5230		10.50	
	802.11ac-VHT80 MCS0	42	5210		10.50	93.31

5GHz WLAN	Simultaneous					
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260	9.27	10.50	98.62
		56	5280	9.61	10.50	
		60	5300	9.46	10.50	
		64	5320	9.66	10.50	
	802.11n-HT20 MCS0	52	5260	Not Inquired	10.50	98.52
		56	5280		10.50	
		60	5300		10.50	
		64	5320		10.50	
	802.11n-HT40 MCS0	54	5270		10.00	96.35
		62	5310		10.00	
	802.11ac-VHT20 MCS0	52	5260		10.50	98.89
		56	5280		10.50	
		60	5300		10.50	
		64	5320		10.50	
	802.11ac-VHT40 MCS0	54	5270		10.00	96.35
		62	5310		10.00	
	802.11ac-VHT80 MCS0	58	5290		10.00	93.31

5GHz WLAN	Simultaneous					
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	100	5500	8.33	10.00	98.62
		116	5580	9.09	10.00	
		132	5660	8.69	10.00	
		140	5700	8.55	10.00	
	802.11n-HT20 MCS0	100	5500	Not Inquired	10.00	98.52
		116	5580		10.00	
		132	5660		10.00	
		140	5700		10.00	
	802.11n-HT40 MCS0	102	5510		9.50	96.35
		110	5550		9.50	
		134	5670		9.50	
		100	5500		10.00	98.89
	802.11ac-VHT20 MCS0	116	5580		10.00	
		132	5660		10.00	
		140	5700		10.00	
	802.11ac-VHT40 MCS0	102	5510		9.50	96.35
		110	5550		9.50	
		134	5670		9.50	
	802.11ac-VHT80 MCS0	106	5530		9.50	93.31

5GHz WLAN	Simultaneous					
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	149	5745	12.26	13.00	98.62
		157	5785	12.06	13.00	
		165	5825	12.40	13.00	
	802.11n-HT20 MCS0	149	5745	Not Inquired	13.00	98.52
		157	5785		13.00	
		165	5825		13.00	
	802.11n-HT40 MCS0	151	5755		12.50	96.35
		159	5795		12.50	
	802.11ac-VHT20 MCS0	149	5745		13.00	98.89
		157	5785		13.00	
		165	5825		13.00	
		151	5755		12.50	96.35
	802.11ac-VHT40 MCS0	159	5795		12.40	
		155	5775		12.50	93.31



Appendix F. Supplemental Tuner Head & Body SAR Results

The results are shown as follows.

Head-Ant1																	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	0	20	40	60	80	100	120	140
CDMA2000 BC1	RC3 SO55	1013	824.7	-	-	Right Cheek	0mm	0.203	0.243	0.135	0.179	0.167	0.189	0.233	0.124	0.131	0.113
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	1	21	41	61	81	101	121	141
CDMA2000 BC1	RC3 SO55	25	1851.25	-	-	Right Cheek	0mm	0.059	0.083	0.041	0.045	0.052	0.061	0.072	0.052	0.036	0.033
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	2	22	42	62	82	102	122	142
CDMA2000 BC10	RC3 SO55	580	820.5	-	-	Right Cheek	0mm	0.207	0.248	0.148	0.192	0.181	0.202	0.246	0.137	0.145	0.126
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	3	23	43	63	83	103	123	143
WCDMA II	RMC 12.2Kbps	9262	1852.4	-	-	Left Cheek	0mm	0.067	0.098	0.056	0.059	0.067	0.071	0.073	0.067	0.051	0.048
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	4	24	44	64	84	104	124	
WCDMA IV	RMC 12.2Kbps	1312	1712	-	-	Left Cheek	0mm	0.0767	0.106	0.049	0.049	0.032	0.054	0.052	0.039	0.018	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	5	25	45	65	85	105	125	
WCDMA V	RMC 12.2Kbps	4182	836.4	-	-	Right Cheek	0mm	0.285	0.245	0.226	0.231	0.179	0.221	0.241	0.211	0.023	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	6	26	46	66	86	106	126	
LTE Band 12	10M/QPSK	23095	707.5	1	0	Right Cheek	0mm	0.192	0.225	0.131	0.113	0.005	0.025	0.085	0.048	0.068	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	7	27	47	67	87	107	127	
LTE Band 13	10M/QPSK	23230	782	1	0	Right Cheek	0mm	0.152	0.179	0.072	0.035	0.088	0.123	0.161	0.092	0.011	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	8	28	48	68	88	108	128	
LTE Band 14	10M/QPSK	23330	793	1	0	Left Cheek	0mm	0.19	0.351	0.061	0.075	0.047	0.050	0.121	0.003	0.007	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	9	29	49	69	89	109	129	
LTE Band 26	15M/QPSK	26865	831.5	1	0	Right Cheek	0mm	0.241	0.286	0.175	0.219	0.207	0.229	0.273	0.164	0.171	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	10	30	50	70	90	110	130	
LTE Band 71	20M/QPSK	133322	683	1	0	Right Cheek	0mm	0.203	0.234	0.221	0.170	0.219	0.149	0.029	0.087	0.049	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	11	31	51	71	91	111	131	
LTE Band 25	20M/QPSK	26140	1860	1	0	Left Cheek	0mm	0.0722	0.101	0.041	0.047	0.028	0.024	0.033	0.030	0.032	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	12	32	52	72	92	112	132	
LTE Band 66	20M/QPSK	132072	1720	1	0	Left Cheek	0mm	0.088	0.109	0.081	0.075	0.067	0.073	0.075	0.068	0.067	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	13	33	53	73	93	113	133	
LTE Band 7	20M/QPSK	20850	2510	1	0	Left Tilted	0mm	0.07	0.106	0.037	0.038	0.036	0.027	0.030	0.040	0.036	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	14	34	54	74	94	114	134	
LTE Band 30	10M/QPSK	27710	2310	1	0	Left Cheek	0mm	0.087	0.124	0.032	0.031	0.034	0.033	0.033	0.026	0.024	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	15	35	55	75	95	115	135	
LTE Band 41-HPUE	20M/QPSK	39750	2506	1	0	Right Cheek	0mm	0.073	0.106	0.012	0.013	0.011	0.011	0.010	0.012	0.010	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	16	36	56	76	96	116	136	
FR1 N5	20M/BPSK	167300	836.5	1	1	Right Cheek	0mm	0.244	0.27	0.232	0.136	0.143	0.237	0.262	0.218	0.133	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	17	37	57	77	97	117	137	
FR1 N2	20M/BPSK	376000	1880	1	53	Right Cheek	0mm	0.058	0.069	0.012	0.013	0.021	0.010	0.057	0.061	0.034	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	18	38	58	78	98	118	138	
FR1 N41	100M/QPSK	509202	2546.01	1	1	Left Tilted	0mm	0.074	0.092	0.073	0.086	0.056	0.043	0.073	0.024	0.045	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	19	39	59	79	99	119	139	
FR1 N66	20M/QPSK	349000	1745	1	1	Left Cheek	0mm	0.048	0.057	0.049	0.023	0.017	0.052	0.055	0.045	0.049	

Head-Ant2																					
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)												
									Auto-Tune	0	1	2	3	4	5						
LTE Band 25&2 -UAT	20M/QPSK	18900	1880	1	0	Left Tilted	0mm	0.484	0.609	0.528	0.481	0.333	0.571	0.572	0.573						
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)												
									Auto-Tune	0	1	2	3	4	5						
LTE Band 5-UAT	10M/QPSK	20525	836.5	1	0	Left Tilted	0mm	0.453	0.591	0.322	0.327	0.405	0.438	0.470	0.478						
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)												
									Auto-Tune	0	1	2	3	4	5						
LTE Band 12 -UAT	10M/QPSK	23095	707.5	25	0	Left Tilted	0mm	0.426	0.73	0.474	0.514	0.514	0.719	0.724	0.728						
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)												
									Auto-Tune	0											
LTE Band 30	10M/QPSK	27710	2310	1	0	Left Tilted	0mm	0.47	0.834	0.747											
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)												
									Auto-Tune	0	1	2									
LTE Band 41-UAT	20M/QPSK	40620	2593	1	0	Left Tilted	0mm	0.46	0.808	0.237	0.784	0.644									
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)												
									Auto-Tune	0	1	2	3	4	5						
LTE Band 66&4-UAT	20M/QPSK	132322	1745	50	0	Left Tilted	0mm	0.395	0.694	0.147	0.208	0.311	0.635	0.635	0.545						

Body-Ant1																	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	0	20	40	60	80	100	120	140
CDMA2000 BC0	RTAP 153.6Kbps	1013	824.7	-	-	Back	5mm	0.972	1.671	0.446	0.916	0.914	0.660	1.511	0.315	0.419	0.819
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	1	21	41	61	81	101	121	141
CDMA2000 BC1	RTAP 153.6Kbps	600	1880	-	-	Bottom Side	5mm	0.955	1.656	0.863	0.921	0.956	1.225	1.116	0.721	0.364	0.528
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	2	22	42	62	82	102	122	142
CDMA2000 BC10	RTAP 153.6Kbps	684	823.1	-	-	Back	5mm	0.999	1.743	0.344	1.124	0.921	1.136	1.374	0.434	0.384	1.034
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	3	23	43	63	83	103	123	143
WCDMA II	RMC 12.2Kbps	9400	1880			Back	5mm	1.12	1.691	0.826	0.902	0.949	1.237	1.122	0.993	0.674	0.618
Sensor on																	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	4	24	44	64	84	104	124	
WCDMA IV	RMC 12.2Kbps	1513	1752.6	-	-	Back	5mm	1.09	1.685	0.952	0.932	0.901	1.155	1.235	1.056	0.945	
Sensor on																	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	5	25	45	65	85	105	125	
WCDMA V	RMC 12.2Kbps	4233	846.6	-	-	Back	5mm	0.949	1.17	0.979	0.977	0.758	0.927	0.982	0.988	1.015	
Full Power																	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	6	26	46	66	86	106	126	
LTE Band 12	10M/QPSK	23095	707.5	1	0	Back	5mm	0.539	1.21	0.816	0.744	0.412	0.290	0.469	0.352	0.390	
Sensor on																	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	7	27	47	67	87	107	127	
LTE Band 13	10M/QPSK	23230	782	1	0	Back	5mm	0.748	1.44	0.553	0.385	0.500	0.605	0.994	0.680	0.246	
Full Power																	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	8	28	48	68	88	108	128	
LTE Band 14	10M/QPSK	23330	793	1	0	Back	5mm	0.79	1.44	0.970	0.955	0.841	0.915	1.321	0.580	0.607	
Full Power																	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	9	29	49	69	89	109	129	
LTE Band 26	15M/QPSK	26865	831.5	1	0	Back	5mm	0.922	1.344	0.591	1.015	0.809	0.963	1.290	0.438	0.503	
Sensor on																	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	10	30	50	70	90	110	130	
LTE Band 71	20M/QPSK	133322	683	1	0	Back	5mm	0.456	0.815	0.634	0.583	0.194	0.264	0.443	0.326	0.364	
Full Power																	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	11	31	51	71	91	111	131	
LTE Band 25	20M/QPSK	26590	1905	1	0	Back	5mm	1.01	1.283	1.171	0.989	0.715	0.556	0.786	0.762	0.788	
Sensor on																	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	12	32	52	72	92	112	132	
LTE Band 66	20M/QPSK	132322	1745	50	0	Back	5mm	0.487	0.786	0.437	0.343	0.333	0.416	0.457	0.435	0.407	
Sensor on																	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	13	33	53	73	93	113	133	
LTE Band 7	20M/QPSK	21350	2560	1	0	Bottom Side	5mm	0.837	0.963	0.924	0.937	0.795	0.713	0.833	0.866	0.825	
Hotspot on																	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	14	34	54	74	94	114	134	
LTE Band 30	10M/QPSK	27710	2310	1	0	Back	5mm	0.628	1.126	0.96	0.944	0.908	0.929	0.879	0.754	0.721	
Sensor on																	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	15	35	55	75	95	115	135	
LTE Band 41	20M/QPSK	40620	2593	1	0	Bottom Side	5mm	1.02	1.699	1.545	1.56	1.521	1.513	1.55	1.316	1.429	
Hotspot on																	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	16	36	56	76	96	116	136	
FR1 N5	20M/QPSK	167300	836.5	50	28	Back	5mm	0.579	0.743	0.602	0.506	0.513	0.607	0.632	0.588	0.503	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	17	37	57	77	97	117	137	
FR1 N2	20M/QPSK	376500	1882.5	1	53	Back	5mm	0.521	0.663	0.505	0.506	0.506	0.496	0.502	0.579	0.511	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	18	38	58	78	98	118	138	
FR1 N41	100M/QPSK	518598	2592.99	135	0	Back	5mm	0.399	0.523	0.403	0.421	0.384	0.362	0.404	0.225	0.375	
Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	19	39	59	79	99	119	139	
FR1 N66	20M/QPSK	349000	1745	50	0	Back	5mm	0.461	0.687	0.558	0.474	0.483	0.586	0.603	0.572	0.590	

[illegible]