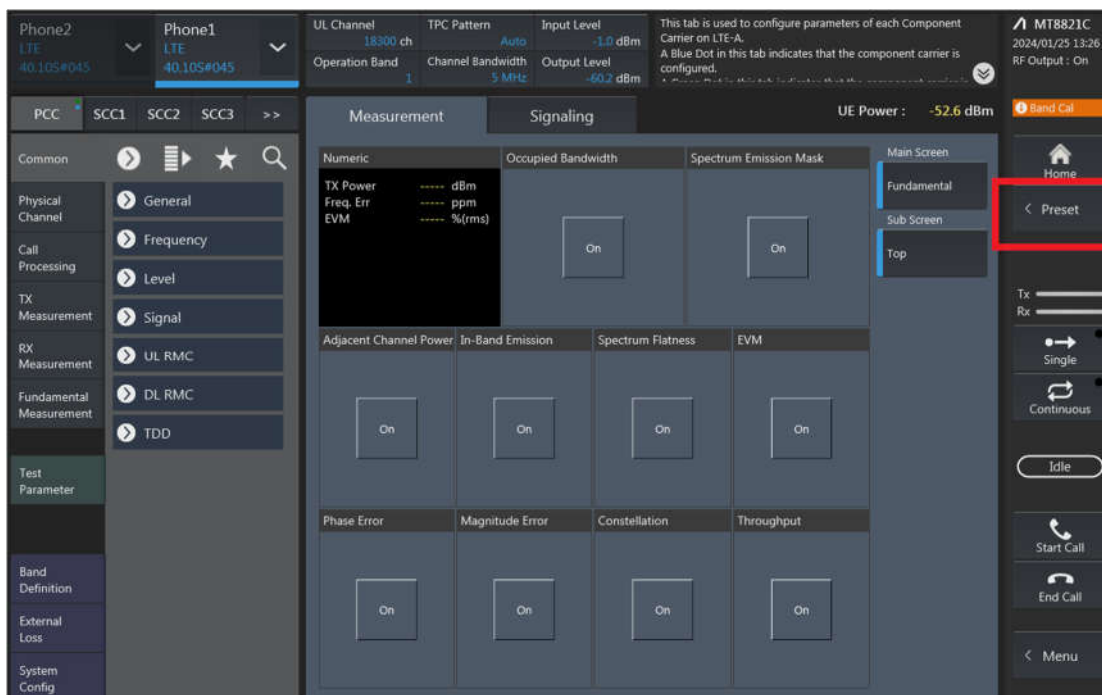


LTE Uplink and Downlink Carrier Aggregation configurations:

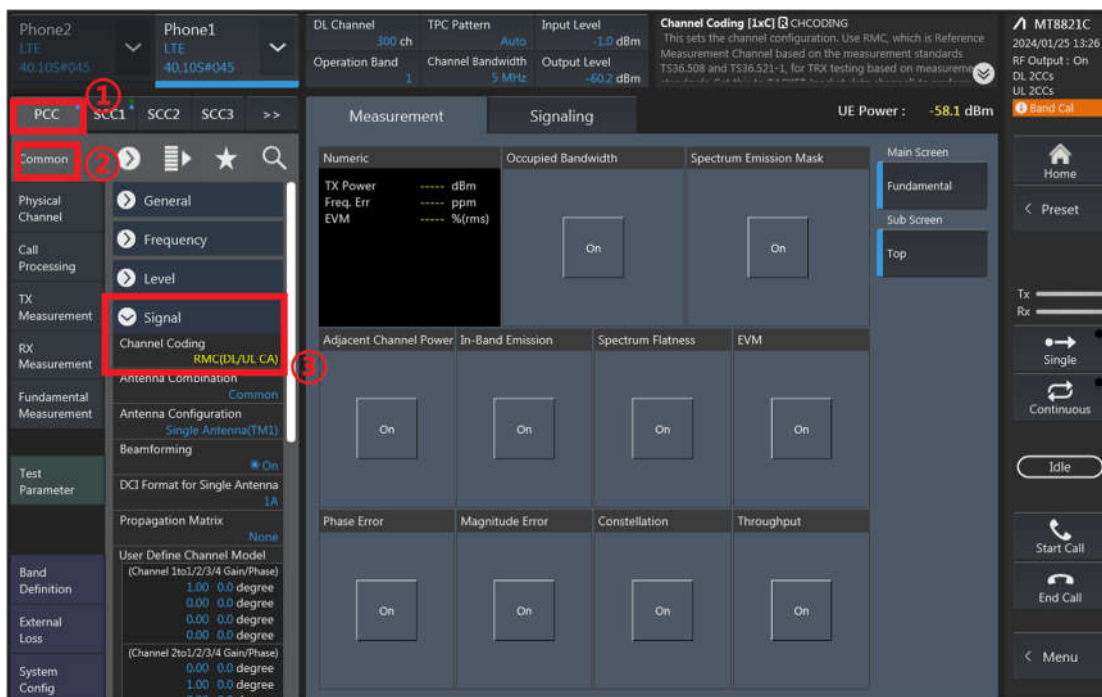
1. Change the Scenario in the Configuration of LTE Signaling and Preset.



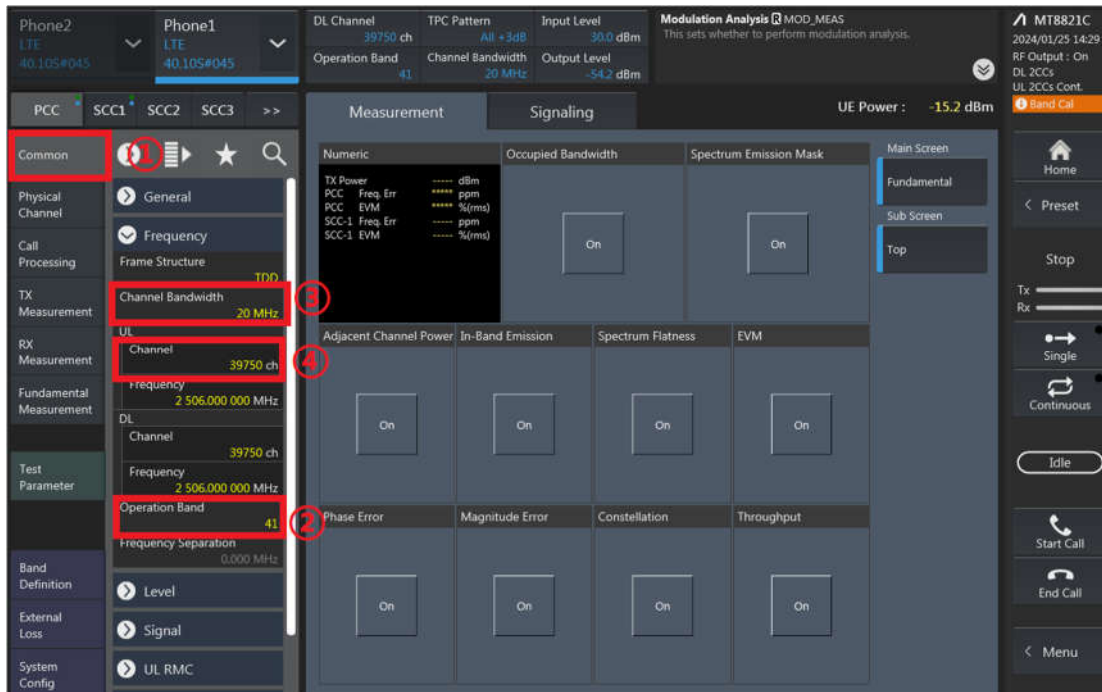
2. If Select "RMC (DL/UL CA)" for Uplink Carrier Aggregation;
If Select "RMC (DL CA)" for Downlink Carrier Aggregation.

For example, Uplink Carrier Aggregation:

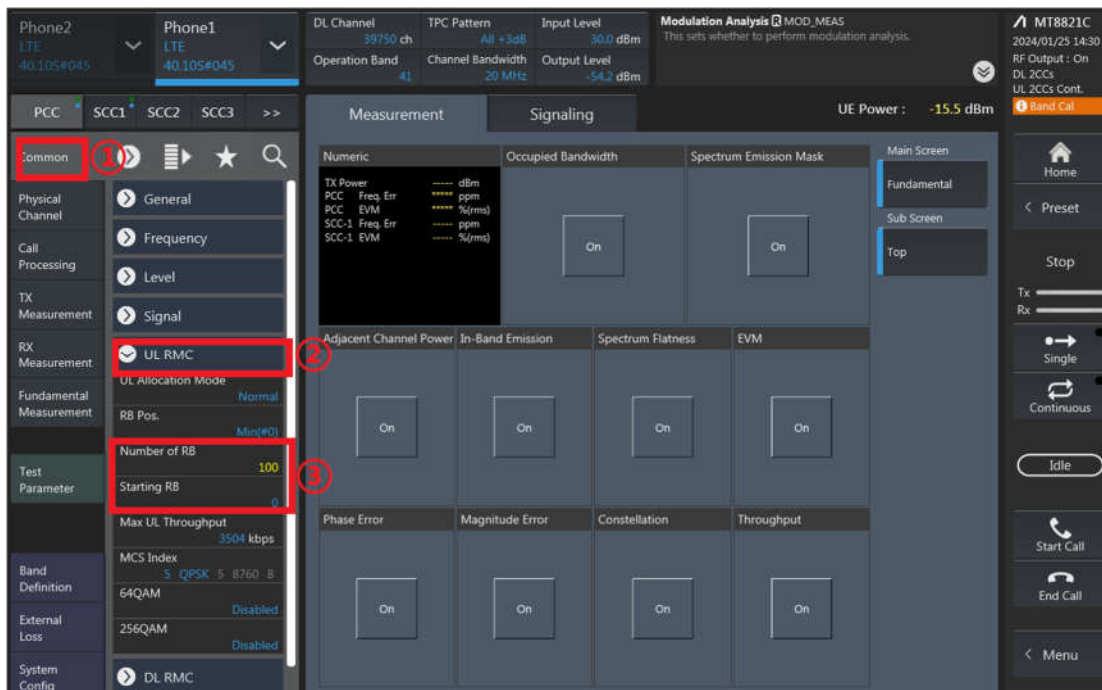
Detailed operation: PCC → Common → Signal → Channel Coding → Select 【RMC (DL/UL CA)】



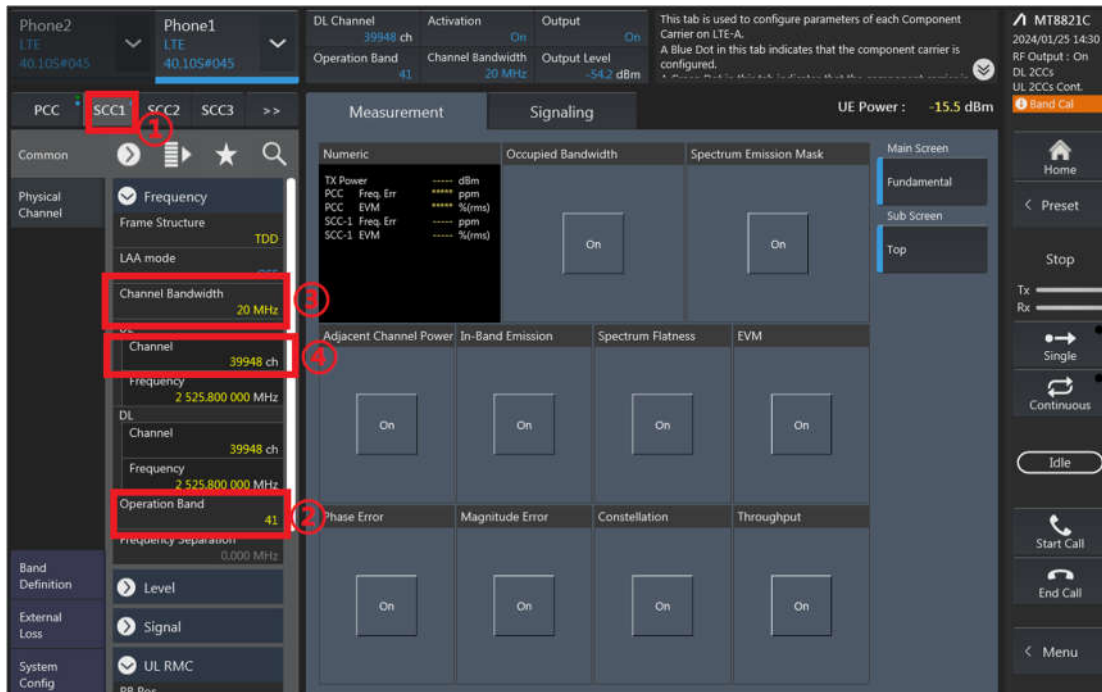
- PCC parameter Settings: on the screen, and then select the PCC tab and Set operating band, BW, channel and RB configurations for PCC;



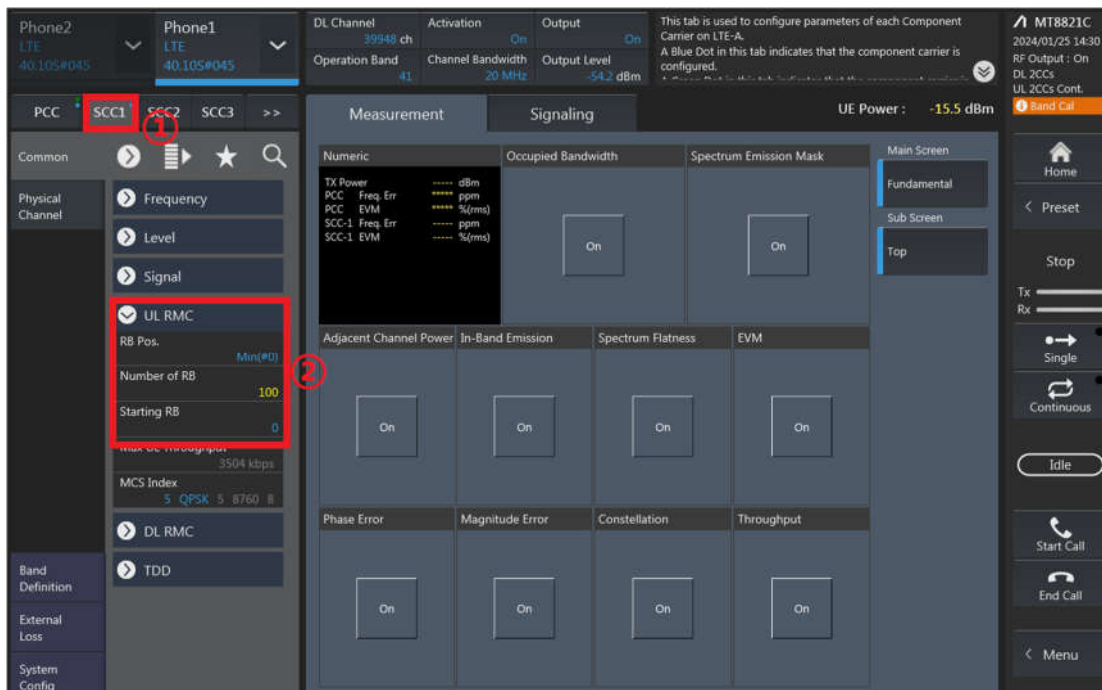
RB configurations (Number of RB / Starting RB) for PCC;



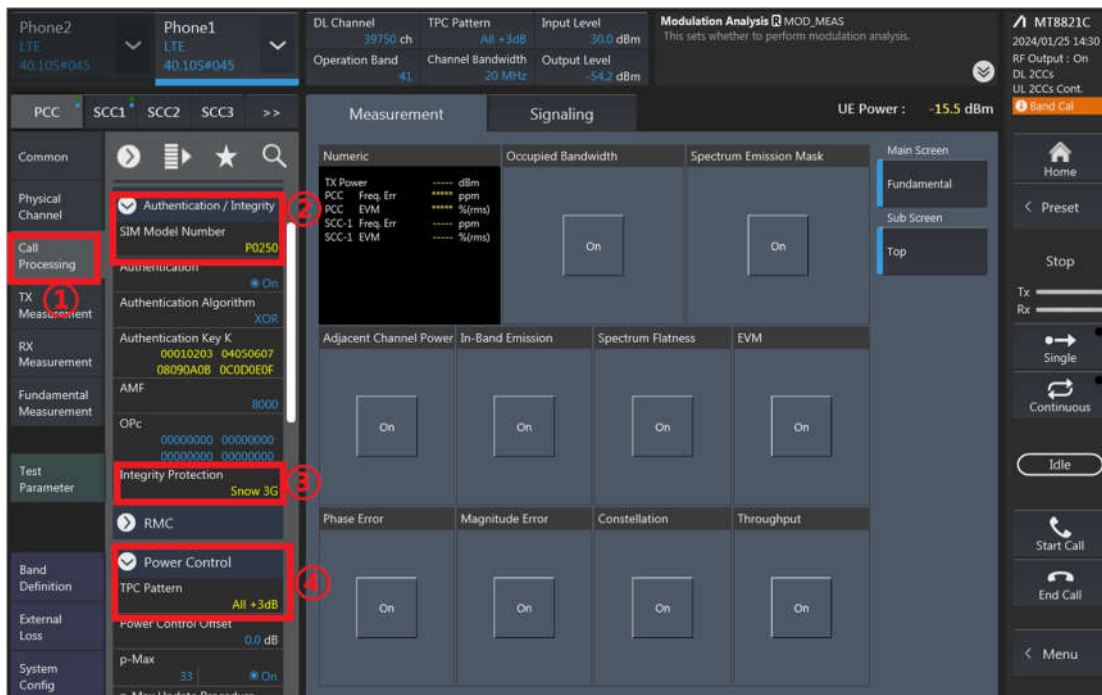
4. SCC parameter Settings: Select the SCC1 tab, Set operating band, BW, channel, and RB configurations for SCC1;



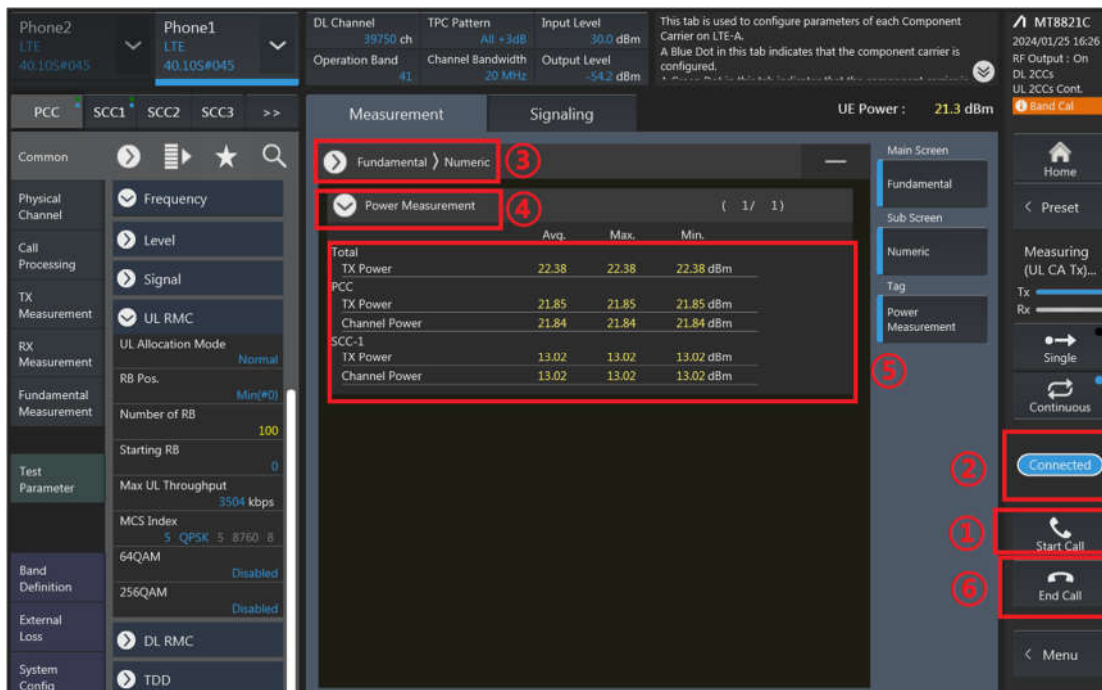
RB configurations (Number of RB / Starting RB) for SCC1;



- Select the PCC tab, then set “SIM Model Number” and select max power;



- Click the “Connect” button at the Right of the screen, if necessary, turn the Airplane mode on/off in the DUT



- The inter-band ULCA test method is similar to intra-band ULCA, and DLCA test method is similar to intra-band ULCA too.

DL CA Power

2CA DL																
CA List	POC									SCC					Power	
	LTE	BW	UL	UL	UL#	UL	UL#	UL	DL Antenna	LTE	BW	DL	DL	DL Antenna	With CA	Without CA
	Band	Ant	(MHz)	Freq.	Channel	Mod.	RB	Offset	Configuratio	Band	(MHz)	Freq.	Channel	Configuratio	Tx. Power	Tx. Power
CA_2C	Band 2	Ant5	20M	1880	18900	QPSK	1	0	4xMIMO	Band 2	20M	1980	1098		23.86	23.99
	Band 2	Ant6	20M	1880	18900	QPSK	1	0	4xMIMO	Band 2	20M	1980	1098		23.19	23.36
CA_2A-2A	Band 2	Ant5	20M	1880	18900	QPSK	1	0		Band 2	5M	1988	1175		23.20	23.36
	Band 2	Ant6	20M	1880	18900	QPSK	1	0		Band 2	5M	1988	1175		23.30	23.36
CA_2A-66A	Band 2	Ant5	20M	1880	18900	QPSK	1	0		Band 66	20M	2155	66886	4xMIMO	23.27	23.36
	Band 2	Ant6	20M	1880	18900	QPSK	1	0		Band 66	20M	2155	66886	4xMIMO	23.32	23.36
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900		22.42	22.51
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900		22.02	22.07
	Band 66	Ant5	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900		24.78	24.84
	Band 66	Ant6	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900		23.92	23.99
CA_4A-5A	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525		25.04	25.12
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525		24.69	24.85
	Band 4	Ant5	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525		24.61	24.79
	Band 4	Ant6	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525		23.95	23.99
	Band 5	Ant0	10M	836.5	20625	QPSK	1	0		Band 4	20M	2133	2175	4xMIMO	24.81	24.83
	Band 5	Ant1	10M	836.5	20625	QPSK	1	0		Band 4	20M	2133	2175	4xMIMO	24.52	24.57
CA_4A-17A	Band 4	Ant0	10M	1732.5	20175	QPSK	1	0	4xMIMO	Band 17	10M	740	5790		24.99	25.12
	Band 4	Ant1	10M	1732.5	20175	QPSK	1	0	4xMIMO	Band 17	10M	740	5790		24.79	24.85
	Band 4	Ant5	10M	1732.5	20175	QPSK	1	0	4xMIMO	Band 17	10M	740	5790		24.66	24.79
	Band 4	Ant6	10M	1732.5	20175	QPSK	1	0	4xMIMO	Band 17	10M	740	5790		23.82	23.99
	Band 17	Ant0	10M	710	23790	QPSK	1	0		Band 4	10M	2133	2175	4xMIMO	24.74	24.77
	Band 17	Ant1	10M	710	23790	QPSK	1	0		Band 4	10M	2133	2175	4xMIMO	24.48	24.57
CA_5A-7A	Band 5	Ant0	10M	836.5	20625	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	24.77	24.93
	Band 5	Ant1	10M	836.5	20625	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	24.46	24.57
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525		25.08	25.17
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525		25.06	25.09
	Band 7	Ant5	20M	2535	21100	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525		24.91	24.95
	Band 7	Ant6	20M	2535	21100	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525		23.81	23.91
CA_7A-26A	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4xMIMO	Band 26	15M	876.5	8865		25.13	25.17
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 26	15M	876.5	8865		24.94	25.09
	Band 7	Ant5	20M	2535	21100	QPSK	1	0	4xMIMO	Band 26	15M	876.5	8865		24.79	24.95
	Band 7	Ant6	20M	2535	21100	QPSK	1	0	4xMIMO	Band 26	15M	876.5	8865		23.85	23.91
	Band 26	Ant0	15M	831.5	26865	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	24.71	24.84
	Band 26	Ant1	15M	831.5	26865	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	24.40	24.54
CA_38C	Band 38	Ant0	20M	2580	37850	QPSK	1	0	4xMIMO	Band 38	20M	2600	38048	4xMIMO	25.08	25.27
	Band 38	Ant1	20M	2580	37850	QPSK	1	0	4xMIMO	Band 38	20M	2600	38048	4xMIMO	24.99	25.11
	Band 38	Ant5	20M	2580	37850	QPSK	1	0	4xMIMO	Band 38	20M	2600	38048	4xMIMO	25.10	25.24
	Band 38	Ant6	20M	2580	37850	QPSK	1	0	4xMIMO	Band 38	20M	2600	38048	4xMIMO	23.85	23.99
CA_41C	Band 41	Ant0	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	20M	2613	40818	4xMIMO	25.30	25.34
	Band 41	Ant1	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	20M	2613	40818	4xMIMO	25.04	25.15
	Band 41	Ant5	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	20M	2613	40818	4xMIMO	25.09	25.24
	Band 41	Ant6	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	20M	2613	40818	4xMIMO	23.90	24.01
CA_42C	Band 42	Ant1	20M	3500	42590	QPSK	1	0	4xMIMO	Band 42	20M	3520	42788	4xMIMO	21.73	21.85
	Band 42	Ant6	20M	3500	42590	QPSK	1	0	4xMIMO	Band 42	20M	3520	42788	4xMIMO	22.69	22.88
	Band 42	Ant7	20M	3500	42590	QPSK	1	0	4xMIMO	Band 42	20M	3520	42788	4xMIMO	24.85	24.95
	Band 42	Ant8	20M	3500	42590	QPSK	1	0	4xMIMO	Band 42	20M	3520	42788	4xMIMO	20.26	20.33
CA_66B	Band 66	Ant0	15M	1745	132322	QPSK	1	0	4xMIMO	Band 66	5M	2164	66979	4xMIMO	22.45	22.51
	Band 66	Ant1	15M	1745	132322	QPSK	1	0	4xMIMO	Band 66	5M	2164	66979	4xMIMO	22.01	22.07
	Band 66	Ant5	15M	1745	132322	QPSK	1	0	4xMIMO	Band 66	5M	2164	66979	4xMIMO	24.69	24.84
	Band 66	Ant6	15M	1745	132322	QPSK	1	0	4xMIMO	Band 66	5M	2164	66979	4xMIMO	23.88	23.99
CA_66C	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4xMIMO	Band 66	20M	2175	67084	4xMIMO	22.41	22.51
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 66	20M	2175	67084	4xMIMO	22.06	22.07
	Band 66	Ant5	20M	1745	132322	QPSK	1	0	4xMIMO	Band 66	20M	2175	67084	4xMIMO	24.72	24.84
	Band 66	Ant6	20M	1745	132322	QPSK	1	0	4xMIMO	Band 66	20M	2175	67084	4xMIMO	23.84	23.99
CA_26A-41A	Band 26	Ant0	15M	831.5	26865	QPSK	1	0		Band 41	20M	2593	40620	4xMIMO	24.67	24.84
	Band 26	Ant1	15M	831.5	26865	QPSK	1	0		Band 41	20M	2593	40620	4xMIMO	24.47	24.54

3CA DL

3CA List	PCC								SCC1				SCC2				Power				
	LTE	BW	BW	UL	UL		UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration		
	Band	Ant	(MHz)	Freq	Channel	Mod.	RB	RB	Offset	Band	(MHz)	Freq	Channel		Band	(MHz)	Freq	Channel			
CA_2A-4A-5A	Band 2	Ant 5	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175	4*4MMMO	Band 5	10M	881.5	2525	23.92	23.99	
	Band 2	Ant 6	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175	4*4MMMO	Band 5	10M	881.5	2525	23.23	23.36	
	Band 4	Ant 0	20M	1732.5	20175	QPSK	1	0	4*4MMMO	Band 5	10M	881.5	2525		Band 2	20M	1960	900	25.04	25.12	
	Band 4	Ant 1	20M	1732.5	20175	QPSK	1	0	4*4MMMO	Band 5	10M	881.5	2525		Band 2	20M	1960	900	24.77	24.85	
	Band 4	Ant 5	20M	1732.5	20175	QPSK	1	0	4*4MMMO	Band 5	10M	881.5	2525		Band 2	20M	1960	900	24.62	24.79	
	Band 4	Ant 6	20M	1732.5	20175	QPSK	1	0	4*4MMMO	Band 5	10M	881.5	2525		Band 2	20M	1960	900	23.84	23.99	
	Band 5	Ant 0	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900		Band 4	20M	2132.5	2175	4*4MMMO	24.77	24.93
	Band 5	Ant 1	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900		Band 4	20M	2132.5	2175	4*4MMMO	24.53	24.57
CA_2A-5A-7A	Band 2	Ant 5	20M	1880	18900	QPSK	1	0		Band 5	10M	881.5	2525		Band 7	20M	2655	3100	4*4MMMO	23.26	23.36
	Band 2	Ant 6	20M	1880	18900	QPSK	1	0		Band 5	10M	881.5	2525		Band 7	20M	2655	3100	4*4MMMO	23.21	23.36
	Band 5	Ant 0	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4*4MMMO	Band 2	20M	1960	900	24.84	24.93	
	Band 5	Ant 1	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4*4MMMO	Band 2	20M	1960	900	24.45	24.57	
	Band 7	Ant 0	20M	2535	21100	QPSK	1	0	4*4MMMO	Band 2	20M	1960	900		Band 5	10M	881.5	2525	25.13	25.17	
	Band 7	Ant 1	20M	2535	21100	QPSK	1	0	4*4MMMO	Band 2	20M	1960	900		Band 5	10M	881.5	2525	25.01	25.09	
	Band 7	Ant 5	20M	2535	21100	QPSK	1	0	4*4MMMO	Band 2	20M	1960	900		Band 5	10M	881.5	2525	24.78	24.95	
	Band 7	Ant 6	20M	2535	21100	QPSK	1	0	4*4MMMO	Band 2	20M	1960	900		Band 5	10M	881.5	2525	23.78	23.91	
CA_2A-7C	Band 2	Ant 5	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100	4*4MMMO	Band 7	20M	2554.8	3298	4*4MMMO	23.22	23.36
	Band 2	Ant 6	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100	4*4MMMO	Band 7	20M	2554.8	3298	4*4MMMO	23.32	23.36
	Band 7	Ant 0	20M	2535	21100	QPSK	1	0	4*4MMMO	Band 7	20M	2554.8	3298	4*4MMMO	Band 2	20M	1960	900	25.07	25.17	
	Band 7	Ant 1	20M	2535	21100	QPSK	1	0	4*4MMMO	Band 7	20M	2554.8	3298	4*4MMMO	Band 2	20M	1960	900	24.94	25.09	
	Band 7	Ant 5	20M	2535	21100	QPSK	1	0	4*4MMMO	Band 7	20M	2554.8	3298	4*4MMMO	Band 2	20M	1960	900	24.76	24.95	
	Band 7	Ant 6	20M	2535	21100	QPSK	1	0	4*4MMMO	Band 7	20M	2554.8	3298	4*4MMMO	Band 2	20M	1960	900	23.83	23.91	
	Band 2	Ant 5	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100	4*4MMMO	Band 7	5M	2687.5	3425	4*4MMMO	23.19	23.36
	Band 2	Ant 6	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100	4*4MMMO	Band 7	5M	2687.5	3425	4*4MMMO	23.19	23.36
CA_2A-7A-7A	Band 7	Ant 0	20M	2535	21100	QPSK	1	0	4*4MMMO	Band 7	5M	2687.5	3425	4*4MMMO	Band 2	20M	1960	900	25.09	25.17	
	Band 7	Ant 1	20M	2535	21100	QPSK	1	0	4*4MMMO	Band 7	5M	2687.5	3425	4*4MMMO	Band 2	20M	1960	900	24.94	25.09	
	Band 7	Ant 5	20M	2535	21100	QPSK	1	0	4*4MMMO	Band 7	5M	2687.5	3425	4*4MMMO	Band 2	20M	1960	900	24.82	24.95	
	Band 7	Ant 6	20M	2535	21100	QPSK	1	0	4*4MMMO	Band 7	5M	2687.5	3425	4*4MMMO	Band 2	20M	1960	900	23.77	23.91	
	Band 4	Ant 0	20M	1732.5	20175	QPSK	1	0	4*4MMMO	Band 4	5M	2152.5	2375	4*4MMMO	Band 7	20M	2655	3100	4*4MMMO	25.04	25.12
	Band 4	Ant 1	20M	1732.5	20175	QPSK	1	0	4*4MMMO	Band 4	5M	2152.5	2375	4*4MMMO	Band 7	20M	2655	3100	4*4MMMO	24.68	24.85
	Band 4	Ant 5	20M	1732.5	20175	QPSK	1	0	4*4MMMO	Band 4	5M	2152.5	2375	4*4MMMO	Band 7	20M	2655	3100	4*4MMMO	24.75	24.79
	Band 4	Ant 6	20M	1732.5	20175	QPSK	1	0	4*4MMMO	Band 4	5M	2152.5	2375	4*4MMMO	Band 7	20M	2655	3100	4*4MMMO	23.82	23.99
CA_4A-4A-7A	Band 7	Ant 0	20M	2535	21100	QPSK	1	0	4*4MMMO	Band 4	20M	2132.5	2175	4*4MMMO	Band 4	5M	2152.5	2375	4*4MMMO	24.99	25.17
	Band 7	Ant 1	20M	2535	21100	QPSK	1	0	4*4MMMO	Band 4	20M	2132.5	2175	4*4MMMO	Band 4	5M	2152.5	2375	4*4MMMO	25.02	25.09
	Band 7	Ant 5	20M	2535	21100	QPSK	1	0	4*4MMMO	Band 4	20M	2132.5	2175	4*4MMMO	Band 4	5M	2152.5	2375	4*4MMMO	24.80	24.95
	Band 7	Ant 6	20M	2535	21100	QPSK	1	0	4*4MMMO	Band 4	20M	2132.5	2175	4*4MMMO	Band 4	5M	2152.5	2375	4*4MMMO	23.79	23.91
	Band 4	Ant 0	20M	1732.5	20175	QPSK	1	0	4*4MMMO	Band 7	20M	2655	3100	4*4MMMO	Band 7	20M	2554.8	3298	4*4MMMO	25.05	25.12
	Band 4	Ant 1	20M	1732.5	20175	QPSK	1	0	4*4MMMO	Band 7	20M	2655	3100	4*4MMMO	Band 7	20M	2554.8	3298	4*4MMMO	24.68	24.85
	Band 4	Ant 5	20M	1732.5	20175	QPSK	1	0	4*4MMMO	Band 7	20M	2655	3100	4*4MMMO	Band 7	20M	2554.8	3298	4*4MMMO	24.63	24.79
	Band 4	Ant 6	20M	1732.5	20175	QPSK	1	0	4*4MMMO	Band 7	20M	2655	3100	4*4MMMO	Band 7	20M	2554.8	3298	4*4MMMO	23.95	23.99
CA_4A-7C	Band 7	Ant 0	20M	2535	21100	QPSK	1	0	4*4MMMO	Band 7	20M	2554.8	3298	4*4MMMO	Band 4	20M	2132.5	2175	4*4MMMO	25.08	25.17
	Band 7	Ant 1	20M	2535	21100	QPSK	1	0	4*4MMMO	Band 7	20M	2554.8	3298	4*4MMMO	Band 4	20M	2132.5	2175	4*4MMMO	24.98	25.09
	Band 7	Ant 5	20M	2535	21100	QPSK	1	0	4*4MMMO	Band 7	20M	2554.8	3298	4*4MMMO	Band 4	20M	2132.5	2175	4*4MMMO	24.84	24.95
	Band 7	Ant 6	20M	2535	21100	QPSK	1	0	4*4MMMO	Band 7	20M	2554.8	3298	4*4MMMO	Band 4	20M	2132.5	2175	4*4MMMO	23.86	23.91
	Band 5	Ant 0	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4*4MMMO	Band 7	20M	2554.8	3298	4*4MMMO	24.80	24.93
	Band 5	Ant 1	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4*4MMMO	Band 7	20M	2554.8	3298	4*4MMMO	24.43	24.57
	Band 7	Ant 0	20M	2535	21100	QPSK	1	0	4*4MMMO	Band 7	20M	2554.8	3298	4*4MMMO	Band 5	10M	881.5	2525	25.10	25.17	
	Band 7	Ant 1	20M	2535	21100	QPSK	1	0	4*4MMMO	Band 7	20M	2554.8	3298	4*4MMMO	Band 5	10M	881.5	2525	24.99	25.09	
CA_5A-7C	Band 7	Ant 5	20M	2535	21100	QPSK	1	0	4*4MMMO	Band 7	20M	2554.8	3298	4*4MMMO	Band 5	10M	881.5	2525	24.80	24.95	
	Band 5	Ant 0	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4*4MMMO	Band 7	20M	2554.8	3298	4*4MMMO	24.80	24.93
	Band 5	Ant 1	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4*4MMMO	Band 7	20M	2554.8	3298	4*4MMMO	24.43	24.57
	Band 7	Ant 0	20M	2535	21100	QPSK	1	0	4*4MMMO	Band 7	20M	2554.8	3298	4*4MMMO	Band 5	10M	881.5	2525	25.10	25.17	
	Band 7	Ant 1	20M	2535	21100	QPSK	1	0	4*4MMMO	Band 7	20M	2554.8	3298	4*4MMMO	Band 5	10M	881.5	2525	24.99	25.09	
	Band 7	Ant 5	20M	2535	21100	QPSK	1	0	4*4MMMO	Band 7	20M	2554.8	3298	4*4MMMO	Band 5	10M	881.5	2525	24.80	24.95	
	Band 7	Ant 6	20M	2535	21100	QPSK	1	0	4*4MMMO	Band 7	20M	2554.8	3298	4*4MMMO	Band 5	10M	881.5	2525	23.86	23.91	
	Band 5	Ant 0	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4*4MMMO	Band 7	5M	2687.5	3425	4*4MMMO	24.81	24.93
CA_5A-7A-7A	Band 5	Ant 1	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4*4MMMO	Band 7	5M	2687.5	3425	4*4MMMO	24.45	24.57
	Band 5	Ant 0	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4*4MMMO	Band 7	5M	2687.5	3425	4*4MMMO	25.11	25.17
	Band 7	Ant 1	20M	2535	21100	QPSK	1	0	4*4MMMO	Band 7	5M	2687.5	3425	4*4MMMO	Band 5	10M	881.5	2525	24.91	25.09	
	Band 7	Ant 5	20M	2535	21100	QPSK	1	0	4*4MMMO	Band 7	5M	2687.5	3425	4*4MMMO	Band 5	10M	881.5	2525	24.81	24.95	
	Band 7	Ant 6	20M	2535	21100	QPSK	1	0	4*4MMMO	Band 7	5M	2687.5	3425	4*4MMMO	Band 5	10M	881.5	2525	23.75	23.91	
	Band 5	Ant 0</																			



UL CA_Full&Default Power Mode

ANT 0		Other PA									
CA 7C											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)			
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	99	1	0	24.05	25.70			
21100	21298	QPSK	1	99	1	0	24.19	25.70			
21350	21152	QPSK	1	0	1	99	24.08	25.70			

ANT 1		Other PA									
CA 7C											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)			
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	99	1	0	24.35	25.70			
21100	21298	QPSK	1	99	1	0	24.49	25.70			
21350	21152	QPSK	1	0	1	99	24.31	25.70			

ANT 5		Main PA									
CA 7C											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)			
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	99	1	0	24.11	25.70			
21100	21298	QPSK	1	99	1	0	24.15	25.70			
21350	21152	QPSK	1	0	1	99	24.13	25.70			

ANT 6		Main PA									
CA 7C											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)			
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	99	1	0	23.75	25.70			
21100	21298	QPSK	1	99	1	0	23.79	25.70			
21350	21152	QPSK	1	0	1	99	23.65	25.70			

ANT 0		Other PA									
CA_38C											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)			
			RB Size	RB offset	RB Size	RB offset					
37850	38048	QPSK	1	99	1	0	24.73	25.70			
37901	38099	QPSK	1	99	1	0	24.92	25.70			
38150	37952	QPSK	1	0	1	99	24.75	25.70			

ANT 1		Other PA									
CA_38C											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)			
			RB Size	RB offset	RB Size	RB offset					
37850	38048	QPSK	1	99	1	0	24.71	25.70			
37901	38099	QPSK	1	99	1	0	24.79	25.70			
38150	37952	QPSK	1	0	1	99	24.63	25.70			

ANT 5		Main PA									
CA_38C											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)			
			RB Size	RB offset	RB Size	RB offset					
37850	38048	QPSK	1	99	1	0	24.15	25.70			
37901	38099	QPSK	1	99	1	0	24.21	25.70			
38150	37952	QPSK	1	0	1	99	24.13	25.70			

ANT 6		Main PA									
CA_38C											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)			
			RB Size	RB offset	RB Size	RB offset					
37850	38048	QPSK	1	99	1	0	23.89	25.50			
37901	38099	QPSK	1	99	1	0	23.95	25.50			
38150	37952	QPSK	1	0	1	99	23.85	25.50			

ANT 0		Other PA									
CA_41C											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dbm)	Tune up (dbm)			
			RB Size	RB offset	RB Size	RB offset					
39750	39948	QPSK	1	99	1	0	24.85	25.70			
40185	40383	QPSK	1	99	1	0	24.81	25.70			
40620	40818	QPSK	1	99	0	1	24.99	25.70			
41055	41253	QPSK	1	99	0	1	24.91	25.70			
41490	41292	QPSK	1	0	1	99	24.93	25.70			

ANT 1		Other PA										
CA_41C												
Combination 20MHz+20MHz (100RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC				SCC				Measured Power (dbm)	Tune up Power (dbm)
			RB Size	RB offset	RB Size	RB offset						
39750	39948	QPSK	1	99	1	0	24.63	25.70				
40185	40383	QPSK	1	99	1	0	24.51	25.70				
40620	40818	QPSK	1	99	1	0	24.75	25.70				
41055	41253	QPSK	1	99	1	0	24.31	25.70				
41490	41292	QPSK	1	0	1	99	24.43	25.70				

ANT 5		Main PA										
CA_41C												
Combination 20MHz+20MHz (100RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC				SCC				Measured Power (dbm)	Tune up Power (dbm)
			RB Size	RB offset	RB Size	RB offset						
39750	39948	QPSK	1	99	1	0	24.61	25.70				
40185	40383	QPSK	1	99	1	0	24.65	25.70				
40620	40818	QPSK	1	99	1	0	24.86	25.70				
41055	41253	QPSK	1	99	1	0	24.75	25.70				
41490	41292	QPSK	1	0	1	99	24.71	25.70				

ANT 6		Main PA									
CA_41C											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dbm)	Tune up Power (dbm)			
			RB Size	RB offset	RB Size	RB offset					
39750	39948	QPSK	1	99	1	0	23.81	25.50			
40185	40383	QPSK	1	99	1	0	23.7	25.50			
40620	40818	QPSK	1	99	1	0	23.89	25.50			
41055	41253	QPSK	1	99	1	0	23.85	25.50			
41490	41292	QPSK	1	0	1	99	23.81	25.50			



UL CA_Reduced Power Mode for DS11

ANT 0		Other PA						
CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	22.71	23.70
21100	21298	QPSK	1	99	1	0	22.78	23.70
21350	21152	QPSK	1	0	1	99	22.69	23.70

ANT 1		Other PA						
CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	20.85	21.70
21100	21298	QPSK	1	99	1	0	21.03	21.70
21350	21152	QPSK	1	0	1	99	20.81	21.70

ANT 5		Main PA						
CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	16.15	17.20
21100	21298	QPSK	1	99	1	0	16.21	17.20
21350	21152	QPSK	1	0	1	99	16.18	17.20

ANT 6		Main PA						
CA 7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	19.21	21.20
21100	21298	QPSK	1	99	1	0	19.25	21.20
21350	21152	QPSK	1	0	1	99	19.23	21.20

ANT 1		Other PA						
CA_38C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	21.85	22.70
37901	38099	QPSK	1	99	1	0	21.89	22.70
38150	37952	QPSK	1	0	1	99	21.76	22.70

ANT 5		Main PA						
CA_38C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	18.00	18.70
37901	38099	QPSK	1	99	1	0	18.08	18.70
38150	37952	QPSK	1	0	1	99	18.01	18.70

ANT 6		Main PA						
CA_38C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	20.71	22.50
37901	38099	QPSK	1	99	1	0	20.75	22.50
38150	37952	QPSK	1	0	1	99	20.73	22.50

ANT 1		Other PA						
CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	21.81	22.70
40185	40383	QPSK	1	99	1	0	21.73	22.70
40620	40818	QPSK	1	99	1	0	22.03	22.70
41055	41253	QPSK	1	99	1	0	21.52	22.70
41490	41292	QPSK	1	0	1	99	21.61	22.70

ANT 5		Main PA						
CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	17.81	18.70
40185	40383	QPSK	1	99	1	0	17.75	18.70
40620	40818	QPSK	1	99	1	0	18.08	18.70
41055	41253	QPSK	1	99	1	0	17.81	18.70
41490	41292	QPSK	1	0	1	99	17.79	18.70

ANT 6		Main PA						
CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	20.58	22.50
40185	40383	QPSK	1	99	1	0	20.64	22.50
40620	40818	QPSK	1	99	1	0	20.98	22.50
41055	41253	QPSK	1	99	1	0	20.71	22.50
41490	41292	QPSK	1	0	1	99	20.56	22.50



UL CA_Reduced Power Mode for DSI2

ANT 0		Other PA					
CA_7C							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		
			RB Size	RB offset	RB Size	RB offset	
20850	21048	QPSK	1	99	1	0	23.15 24.20
21100	21298	QPSK	1	99	1	0	23.25 24.20
21350	21152	QPSK	1	0	1	99	23.06 24.20

ANT 1		Other PA		CA 7C				
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	21.31	22.20
21100	21298	QPSK	1	99	1	0	21.35	22.20
21350	21152	QPSK	1	0	1	99	21.25	22.20

ANT 5		Main PA		CA 7C				
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	20.78	21.70
21100	21298	QPSK	1	99	1	0	20.83	21.70
21350	21152	QPSK	1	0	1	99	20.81	21.70

ANT 6		Main PA						
CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	19.21	21.20
21100	21298	QPSK	1	99	1	0	19.25	21.20
21350	21152	QPSK	1	0	1	99	19.23	21.20

ANT 1		Other PA		CA_38C				
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	22.75	23.70
37901	38099	QPSK	1	99	1	0	22.86	23.70
38150	37962	QPSK	1	0	1	99	22.69	23.70

ANT 5		Main PA						
CA_38C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	22.76	23.70
37901	38099	QPSK	1	99	1	0	22.81	23.70
38150	37962	QPSK	1	0	1	99	22.57	23.70

ANT 6		Main PA		CA_38C			
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		
			RB Size	RB offset	RB Size	RB offset	
37850	38048	QPSK	1	99	1	0	21.75 23.50
37901	38099	QPSK	1	99	1	0	21.89 23.50
38150	37962	QPSK	1	0	1	99	21.71 23.50

ANT 1		Other PA							
CA_41C									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel		SCC Channel		Modulation		PCC		SCC	
						RB Size		RB offset	
39750	39948	QPSK		1		99		1 0	
40185	40383	QPSK		1		99		1 0	
40620	40818	QPSK		1		99		1 0	
41055	41253	QPSK		1		99		1 0	
41490	41292	QPSK		1		0		99 22.61 23.70	

ANT 5		Main PA							
CA_41C									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Turn up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
39750	39948	QPSK	1	99	1	0	22.85	23.70	
40185	40383	QPSK	1	99	1	0	22.83	23.70	
40620	40818	QPSK	1	99	1	0	23.15	23.70	
41055	41253	QPSK	1	99	1	0	22.86	23.70	
41490	41292	QPSK	1	0	1	99	22.81	23.70	

ANT 6		Main PA						
CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Turn up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	21.05	23.00
40185	40383	QPSK	1	99	1	0	21.14	23.00
40620	40818	QPSK	1	99	1	0	21.45	23.00
41055	41253	QPSK	1	99	1	0	21.21	23.00
41490	41292	QPSK	1	0	1	99	21.14	23.00



UL CA_Reduced Power Mode for DSI3

ANT 0		Other PA		CA_7C					
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dbm)	Tune up Power (dbm)	
			RB Size	RB offset	RB Size	RB offset			
20850	21048	QPSK	1	99	1	0	23.05	24.70	
21100	21298	QPSK	1	99	1	0	23.14	24.70	
21350	21152	QPSK	1	0	1	99	23.01	24.70	

ANT 1		Other PA		CA_7C					
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
20850	21048	QPSK	1	99	1	0	21.31	22.20	
21100	21298	QPSK	1	99	1	0	21.35	22.20	
21350	21152	QPSK	1	0	1	99	21.25	22.20	

ANT 1		Other PA		CA_38C					
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
37850	38048	QPSK	1	99	1	0	22.75	23.70	
37901	38099	QPSK	1	99	1	0	22.86	23.70	
38150	37952	QPSK	1	0	1	99	22.69	23.70	

ANT 1		Other PA		CA_41C					
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
39750	39948	QPSK	1	99	1	0	22.79	23.70	
40185	40383	QPSK	1	99	1	0	22.8	23.70	
40620	40818	QPSK	1	99	1	0	23.05	23.70	
41055	41253	QPSK	1	99	1	0	22.69	23.70	
41490	41292	QPSK	1	0	1	99	22.61	23.70	



UL CA_Reduced Power Mode for DS14

ANT 0		Other PA						
CA 7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	15.71	16.70
21100	21298	QPSK	1	99	1	0	15.85	16.70
21350	21152	QPSK	1	0	1	99	15.21	16.70

ANT 1		Other PA		CA 7C				
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	20.85	21.70
21100	21298	QPSK	1	99	1	0	21.03	21.70
21350	21152	QPSK	1	0	1	99	20.81	21.70

ANT 5		Main PA						
CA 7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	16.15	17.20
21100	21298	QPSK	1	99	1	0	16.21	17.20
21350	21152	QPSK	1	0	1	99	16.18	17.20

ANT 6		Main PA						
CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	15.15	17.20
21100	21298	QPSK	1	99	1	0	15.21	17.20
21350	21152	QPSK	1	0	1	99	15.11	17.20

ANT 0		Other PA						
CA_38C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	18.85	19.70
37901	38099	QPSK	1	99	1	0	19.01	19.70
38150	37952	QPSK	1	0	1	99	18.76	19.70

ANT 1		Other PA		CA_38C				
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	21.85	22.70
37901	38099	QPSK	1	99	1	0	21.89	22.70
38150	37952	QPSK	1	0	1	99	21.76	22.70

ANT 5		Main PA						
CA_38C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	18.00	18.70
37901	38099	QPSK	1	99	1	0	18.08	18.70
38150	37952	QPSK	1	0	1	99	18.01	18.70

ANT 6		Main PA		CA_38C				
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	18.79	20.50
37901	38099	QPSK	1	99	1	0	18.86	20.50
38150	37952	QPSK	1	0	1	99	18.81	20.50

ANT 0		Other PA		CA_41C					
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel		SCC Channel	Modulation	PCC		SCC		Measured Power (dbm)	Tune up Power (dbm)
			RB Size	RB offset	RB Size	RB offset			
39750	39948	QPSK	1	99	1	0		18.35	19.20
40185	40383	QPSK	1	99	1	0		18.29	19.20
40620	40818	QPSK	1	99	1	0		18.55	19.20
41055	41253	QPSK	1	99	1	0		18.36	19.20
41490	41292	QPSK	1	0	1	99		18.31	19.20

ANT 1		Other PA		CA_41C				
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	21.35	22.20
40185	40383	QPSK	1	99	1	0	21.17	22.20
40620	40818	QPSK	1	99	1	0	21.46	22.20
41055	41253	QPSK	1	99	1	0	20.91	22.20
41490	41292	QPSK	1	0	1	99	21.03	22.20

ANT 5		Main PA		CA_41C					
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel		SCC Channel	Modulation	PCC		SCC		Measured Power (dbm)	Tune up Power (dbm)
				RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK		1	99	1	0	17.81	18.70
40185	40383	QPSK		1	99	1	0	17.75	18.70
40620	40818	QPSK		1	99	1	0	18.08	18.70
41055	41253	QPSK		1	99	1	0	17.81	18.70
41490	41292	QPSK		1	0	1	99	17.79	18.70

ANT 6		Main PA		CA_41C			
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dbm)
			RB Size	RB offset	RB Size	RB offset	Tune up Power (dbm)
39750	39948	QPSK	1	99	1	0	17.85 19.50
40185	40383	QPSK	1	99	1	0	17.71 19.50
40620	40818	QPSK	1	99	1	0	18.01 19.50
41055	41253	QPSK	1	99	1	0	17.92 19.50
41490	41292	QPSK	1	0	1	99	17.85 19.50



UL CA_Reduced Power Mode for DSI5

ANT 0		Other PA						
CA 7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	24.05	24.50
21100	21298	QPSK	1	99	1	0	24.19	24.50
21350	21152	QPSK	1	0	1	99	24.08	24.50

ANT 1		Other PA						
CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	18.71	19.70
21100	21298	QPSK	1	99	1	0	18.76	19.70
21350	21152	QPSK	1	0	1	99	18.61	19.70

ANT 5		Main PA						
CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	15.31	16.20
21100	21298	QPSK	1	99	1	0	15.35	16.20
21350	21152	QPSK	1	0	1	99	15.32	16.20

ANT 6		Main PA						
CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	18.25	20.20
21100	21298	QPSK	1	99	1	0	18.31	20.20
21350	21152	QPSK	1	0	1	99	18.25	20.20

ANT 1		Other PA						
CA_38C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	18.81	19.70
37901	38099	QPSK	1	99	1	0	18.89	19.70
38150	37952	QPSK	1	0	1	99	18.75	19.70

ANT 5		Main PA						
CA_38C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	17.25	18.20
37901	38099	QPSK	1	99	1	0	17.35	18.20
38150	37952	QPSK	1	0	1	99	17.31	18.20

ANT 6		Main PA						
CA_38C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	18.41	20.00
37901	38099	QPSK	1	99	1	0	18.45	20.00
38150	37952	QPSK	1	0	1	99	18.35	20.00

ANT 1		Other PA							
CA_41C									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power(dBm)	Turn up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
39750	39948	QPSK	1	99	1	0	18.71		19.70
40185	40383	QPSK	1	99	1	0	18.75		19.70
40620	40818	QPSK	1	99	1	0	18.91		19.70
41055	41253	QPSK	1	99	1	0	18.51		19.70
41490	41292	QPSK	1	0	1	99	18.43		19.70

ANT 5		Main PA		CA_41C					
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Turne up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
39750	39948	QPSK	1	99	1	0	17.21	18.20	
40185	40383	QPSK	1	99	1	0	17.25	18.20	
40620	40818	QPSK	1	99	1	0	17.56	18.20	
41055	41253	QPSK	1	99	1	0	17.31	18.20	
41490	41292	QPSK	1	0	1	99	17.29	18.20	

ANT 6		Main PA		CA_41C					
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel		SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Turn up Power (dBm)
				RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK		1	99	1	0	19.21	21.00
40185	40383	QPSK		1	99	1	0	19.23	21.00
40620	40818	QPSK		1	99	1	0	19.42	21.00
41055	41253	QPSK		1	99	1	0	19.35	21.00
41490	41292	QPSK		1	0	1	99	19.18	21.00



UL CA_Reduced Power Mode for DSI6

ANT 0		Other PA		CA_7C				
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	22.35	23.20
21100	21298	QPSK	1	99	1	0	22.45	23.20
21350	21152	QPSK	1	0	1	99	22.19	23.20

ANT 1		Other PA		CA 7C				
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	22.35	23.20
21100	21298	QPSK	1	99	1	0	22.51	23.20
21350	21152	QPSK	1	0	1	99	22.31	23.20

ANT 5		Main PA		CA 7C				
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	18.76	19.70
21100	21298	QPSK	1	99	1	0	18.81	19.70
21350	21152	QPSK	1	0	1	99	18.71	19.70

ANT 6		Main PA		CA_7C				
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	18.51	20.70
21100	21298	QPSK	1	99	1	0	18.59	20.70
21350	21152	QPSK	1	0	1	99	18.45	20.70

ANT 0		Other PA		CA_38C				
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	23.65	24.70
37901	38099	QPSK	1	99	1	0	23.85	24.70
38150	37952	QPSK	1	0	1	99	23.73	24.70

ANT 1		Other PA		CA 38C				
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	22.75	23.70
37901	38099	QPSK	1	99	1	0	22.86	23.70
38150	37952	QPSK	1	0	1	99	22.69	23.70

ANT 5		Main PA		CA 38C				
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	21.25	22.20
37901	38099	QPSK	1	99	1	0	21.36	22.20
38150	37952	QPSK	1	0	1	99	21.21	22.20

ANT 6		Main PA		CA_38C				
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	21.32	23.00
37901	38099	QPSK	1	99	1	0	21.43	23.00
38150	37952	QPSK	1	0	1	99	21.35	23.00

ANT 0		Other PA		CA_41C					
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dbm)	Turn up Power (dbm)	
			RB Size	RB offset	RB Size	RB offset			
39750	39948	QPSK	1	99	1	0	23.71	24.70	
40185	40383	QPSK	1	99	1	0	23.75	24.70	
40620	40818	QPSK	1	99	1	0	23.79	24.70	
41055	41253	QPSK	1	99	1	0	23.61	24.70	
41490	41292	QPSK	1	0	1	99	23.73	24.70	

ANT 1		Other PA		CA_41C					
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Turn up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
39750	39948	QPSK	1	99	1	0	22.75	23.70	
40185	40383	QPSK	1	99	1	0	22.8	23.70	
40620	40818	QPSK	1	99	1	0	23.05	23.70	
41055	41253	QPSK	1	99	1	0	22.69	23.70	
41490	41292	QPSK	1	0	1	99	22.61	23.70	

ANT 5		Main PA		CA_41C					
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dbm)	Turn up Power (dbm)	
			RB Size	RB offset	RB Size	RB offset			
39750	39948	QPSK	1	99	1	0	20.18	21.20	
40185	40383	QPSK	1	99	1	0	20.21	21.20	
40620	40818	QPSK	1	99	1	0	20.39	21.20	
41055	41253	QPSK	1	99	1	0	20.25	21.20	
41490	41292	QPSK	1	0	1	99	20.16	21.20	

ANT 6		Main PA		CA_41C					
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Turn up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
39750	39948	QPSK	1	99	1	0	20.58	22.50	
40185	40383	QPSK	1	99	1	0	20.64	22.50	
40620	40818	QPSK	1	99	1	0	20.98	22.50	
41055	41253	QPSK	1	99	1	0	20.71	22.50	
41490	41292	QPSK	1	0	1	99	20.56	22.50	



UL CA_Reduced Power Mode for DSI7

ANT 0		Other PA		CA_7C				
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	22.35	23.20
21100	21298	QPSK	1	99	1	0	22.45	23.20
21350	21152	QPSK	1	0	1	99	22.19	23.20

ANT 1		Other PA		CA_7C					
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
20850	21048	QPSK	1	99	1	0	22.35	23.20	
21100	21298	QPSK	1	99	1	0	22.51	23.20	
21350	21152	QPSK	1	0	1	99	22.31	23.20	

ANT 5		Main PA		CA_7C				
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	23.81	25.20
21100	21298	QPSK	1	99	1	0	23.89	25.20
21350	21152	QPSK	1	0	1	99	23.75	25.20

ANT 0		Other PA		CA_38C				
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	23.65	24.70
37901	38099	QPSK	1	99	1	0	23.85	24.70
38150	37952	QPSK	1	0	1	99	23.73	24.70

ANT 1		Other PA		CA_38C				
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	22.75	23.70
37901	38099	QPSK	1	99	1	0	22.86	23.70
38150	37952	QPSK	1	0	1	99	22.69	23.70

ANT 0		Other PA						
CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dbm)	Tune up Power (dbm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	23.71	24.70
40185	40383	QPSK	1	99	1	0	23.75	24.70
40620	40818	QPSK	1	99	1	0	23.79	24.70
41055	41253	QPSK	1	99	1	0	23.61	24.70
41490	41292	QPSK	1	0	1	99	23.73	24.70

ANT 1		Other PA		CA_41C					
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
39750	39948	QPSK	1	99	1	0	22.79	23.70	
40185	40383	QPSK	1	99	1	0	22.8	23.70	
40620	40818	QPSK	1	99	1	0	23.05	23.70	
41055	41253	QPSK	1	99	1	0	22.69	23.70	
41490	41292	QPSK	1	0	1	99	22.61	23.70	



UL_CA_Reduced Power Mode for DSI8

ANT 0		Other PA		CA_7C				
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	22.35	23.20
21100	21298	QPSK	1	99	1	0	22.45	23.20
21350	21152	QPSK	1	0	1	99	22.19	23.20

ANT 1		Other PA		CA_7C					
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
20850	21048	QPSK	1	99	1	0	18.71	19.70	
21100	21298	QPSK	1	99	1	0	18.76	19.70	
21350	21152	QPSK	1	0	1	99	18.61	19.70	

ANT 5		Main PA		CA_7C				
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dbm)	Tune up Power (dbm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	15.31	16.20
21100	21298	QPSK	1	99	1	0	15.35	16.20
21350	21152	QPSK	1	0	1	99	15.32	16.20

ANT 6		Main PA		CA_7C				
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	18.25	20.20
21100	21298	QPSK	1	99	1	0	18.31	20.20
21350	21152	QPSK	1	0	1	99	18.25	20.20

ANT 0		Other PA		CA_38C				
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	23.65	24.70
37901	38099	QPSK	1	99	1	0	23.85	24.70
38150	37952	QPSK	1	0	1	99	23.73	24.70

ANT 1		Other PA		CA_38C				
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	18.81	19.70
37901	38099	QPSK	1	99	1	0	18.89	19.70
38150	37952	QPSK	1	0	1	99	18.75	19.70

ANT 5		Main PA		CA_38C				
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	17.25	18.20
37901	38099	QPSK	1	99	1	0	17.35	18.20
38150	37952	QPSK	1	0	1	99	17.31	18.20

ANT 6		Main PA		CA_38C				
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	18.41	20.00
37901	38099	QPSK	1	99	1	0	18.45	20.00
38150	37952	QPSK	1	0	1	99	18.35	20.00

ANT 0		Other PA		CA_41C					
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Turn up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
39750	39948	QPSK	1	99	1	0	23.71	24.70	
40185	40383	QPSK	1	99	1	0	23.75	24.70	
40620	40818	QPSK	1	99	1	0	23.79	24.70	
41055	41253	QPSK	1	99	1	0	23.61	24.70	
41490	41292	QPSK	1	0	1	99	23.73	24.70	

ANT 1		Other PA		CA_41C					
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Turn up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
39750	39948	QPSK	1	99	1	0	18.71	19.70	
40185	40383	QPSK	1	99	1	0	18.75	19.70	
40620	40818	QPSK	1	99	1	0	18.91	19.70	
41055	41253	QPSK	1	99	1	0	18.51	19.70	
41490	41292	QPSK	1	0	1	99	18.43	19.70	

ANT 5		Main PA		CA_41C					
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
39750	39948	QPSK	1	99	1	0	17.21	18.20	
40185	40383	QPSK	1	99	1	0	17.25	18.20	
40620	40818	QPSK	1	99	1	0	17.56	18.20	
41055	41253	QPSK	1	99	1	0	17.31	18.20	
41490	41292	QPSK	1	0	1	99	17.29	18.20	

ANT 6		Main PA		CA_41C					
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
39750	39948	QPSK	1	99	1	0	19.21	21.00	
40185	40383	QPSK	1	99	1	0	19.23	21.00	
40620	40818	QPSK	1	99	1	0	19.42	21.00	
41055	41253	QPSK	1	99	1	0	19.35	21.00	
41490	41292	QPSK	1	0	1	99	19.18	21.00	