

8.3 Conducted Power of LTE Downlink CA (Ant31)

DL LTE CA Class DSI 2/3	PCC							SCC1				SCC2				SCC3				Power		
	LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL LTE CA Tx. Power	LTE Rel 8 Tx. Power	Tune-up
CA_7C	Band 7	20M	2510	20850	QPSK	1	99	Band 7	20M	2649.8	3048	/	/	/	/	/	/	/	/	23.00	23.08	24
	Band 7	20M	2535	21100	QPSK	1	99	Band 7	20M	2674.8	3298	/	/	/	/	/	/	/	/	22.95	23.06	24
	Band 7	20M	2560	21350	QPSK	1	99	Band 7	20M	2660.2	3152	/	/	/	/	/	/	/	/	22.95	22.98	24
CA_38C	Band 38	20M	2580	37850	QPSK	1	99	Band 38	20M	2599.8	38048	/	/	/	/	/	/	/	/	23.77	23.77	24.8
	Band 38	20M	2585.1	37901	QPSK	1	99	Band 38	20M	2604.9	38099	/	/	/	/	/	/	/	/	23.87	23.88	24.8
	Band 38	20M	2610	38150	QPSK	1	99	Band 38	20M	2590.2	37952	/	/	/	/	/	/	/	/	23.73	23.78	24.8
CA_41C	Band 41	20M	2506	39750	QPSK	1	0	Band 41	20M	2525.8	39948	/	/	/	/	/	/	/	/	23.61	23.74	24.8
	Band 41	20M	2549.5	40185	QPSK	1	99	Band 41	20M	2569.3	40383	/	/	/	/	/	/	/	/	23.71	23.88	24.8
	Band 41	20M	2593	40620	QPSK	1	0	Band 41	20M	2612.8	40818	/	/	/	/	/	/	/	/	23.66	23.85	24.8
	Band 41	20M	2636.5	41055	QPSK	1	0	Band 41	20M	2656.3	41253	/	/	/	/	/	/	/	/	23.54	23.71	24.8
	Band 41	20M	2680	41490	QPSK	1	0	Band 41	20M	2660.2	41292	/	/	/	/	/	/	/	/	23.67	23.85	24.8
CA_66C	Band 66	20M	1720	132072	QPSK	1	99	Band 66	20M	2139.8	66734	/	/	/	/	/	/	/	/	23.07	23.16	24.2
	Band 66	20M	1745	132322	QPSK	1	99	Band 66	20M	2174.8	67084	/	/	/	/	/	/	/	/	23.14	23.19	24.2
	Band 66	20M	1770	132572	QPSK	1	99	Band 66	20M	2170.2	67038	/	/	/	/	/	/	/	/	23.18	23.22	24.2
CA_2A-2A	Band 2	20M	1860	18700	QPSK	1	99	Band 2	5M	1987.5	1175	/	/	/	/	/	/	/	/	22.91	23.02	24
	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	/	/	/	/	/	/	/	/	22.96	23.07	24
	Band 2	20M	1900	19100	QPSK	1	50	Band 2	5M	1932.5	625	/	/	/	/	/	/	/	/	22.85	23.04	24
CA_4A-4A	Band 4	20M	1720	20050	QPSK	1	99	Band 4	5M	2152.5	2375	/	/	/	/	/	/	/	/	23.27	23.30	24.2
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	/	/	/	/	/	/	/	/	23.11	23.23	24.2
	Band 4	20M	1745	20300	QPSK	1	0	Band 4	5M	2112.5	1975	/	/	/	/	/	/	/	/	23.05	23.19	24.2
CA_7A-7A	Band 7	20M	2510	20850	QPSK	1	99	Band 7	5M	2687.5	3425	/	/	/	/	/	/	/	/	22.99	23.06	24
	Band 7	20M	2535	21100	QPSK	1	99	Band 7	5M	2687.5	3425	/	/	/	/	/	/	/	/	22.92	23.06	24
	Band 7	20M	2560	21350	QPSK	1	99	Band 7	5M	2622.5	2775	/	/	/	/	/	/	/	/	22.88	23.04	24
CA_41A-41A	Band 41	20M	2506	39750	QPSK	1	0	Band 41	5M	2687.5	41565	/	/	/	/	/	/	/	/	23.62	23.77	24.8
	Band 41	20M	2549.5	40185	QPSK	1	99	Band 41	5M	2687.5	41565	/	/	/	/	/	/	/	/	23.73	23.78	24.8
	Band 41	20M	2593	40620	QPSK	1	0	Band 41	5M	2687.5	41565	/	/	/	/	/	/	/	/	23.70	23.85	24.8
	Band 41	20M	2636.5	41055	QPSK	1	0	Band 41	5M	2498.5	39675	/	/	/	/	/	/	/	/	23.60	23.71	24.8
	Band 41	20M	2680	41490	QPSK	1	0	Band 41	5M	2498.5	39675	/	/	/	/	/	/	/	/	23.78	23.89	24.8
CA_66A-66A	Band 66	20M	1720	132072	QPSK	1	99	Band 66	5M	2197.5	67311	/	/	/	/	/	/	/	/	23.07	23.14	24.2
	Band 66	20M	1745	132322	QPSK	1	99	Band 66	5M	2197.5	67311	/	/	/	/	/	/	/	/	23.01	23.10	24.2
	Band 66	20M	1770	132572	QPSK	1	99	Band 66	5M	2112.5	66461	/	/	/	/	/	/	/	/	23.10	23.22	24.2
CA_2A-4A	Band 2	20M	1860	18700	QPSK	1	99	Band 4	20M	2132.5	2175	/	/	/	/	/	/	/	/	22.82	22.90	24
	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	/	/	/	/	/	/	/	/	22.79	22.92	24
	Band 2	20M	1900	19100	QPSK	1	50	Band 4	20M	2132.5	2175	/	/	/	/	/	/	/	/	22.81	22.92	24
	Band 4	20M	1720	20050	QPSK	1	0	Band 2	20M	1960	900	/	/	/	/	/	/	/	/	23.05	23.25	24.2
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	/	/	/	/	/	/	/	/	23.03	23.15	24.2
	Band 4	20M	1745	20300	QPSK	1	0	Band 2	20M	1960	900	/	/	/	/	/	/	/	/	23.11	23.24	24.2
CA_2A-5A	Band 2	20M	1860	18700	QPSK	1	99	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	/	22.90	22.90	24
	Band 2	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	/	22.84	22.97	24
	Band 2	20M	1900	19100	QPSK	1	50	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	/	22.89	23.07	24
CA_2A-7A	Band 2	20M	1860	18700	QPSK	1	99	Band 7	20M	2655	3100	/	/	/	/	/	/	/	/	23.05	23.10	24
	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	/	/	/	/	/	/	/	/	22.96	22.99	24
	Band 2	20M	1900	19100	QPSK	1	50	Band 7	20M	2655	3100	/	/	/	/	/	/	/	/	22.90	22.90	24
	Band 7	20M	2510	20850	QPSK	1	99	Band 2	20M	1960	900	/	/	/	/	/	/	/	/	22.85	22.95	24
	Band 7	20M	2535	21100	QPSK	1	99	Band 2	20M	1960	900	/	/	/	/	/	/	/	/	22.88	22.98	24

	Band 7	20M	2560	21350	QPSK	1	99	Band 2	20M	1960	900	/	/	/	/	/	/	/	22.89	23.03	24
CA_2A-26A	Band 2	20M	1860	18700	QPSK	1	99	Band 26	15M	876.5	8865	/	/	/	/	/	/	/	22.86	22.90	24
	Band 2	20M	1880	18900	QPSK	1	0	Band 26	15M	876.5	8865	/	/	/	/	/	/	/	22.93	22.97	24
	Band 2	20M	1900	19100	QPSK	1	50	Band 26	15M	876.5	8865	/	/	/	/	/	/	/	23.00	23.07	24
CA_2A-66A	Band 2	20M	1860	18700	QPSK	1	99	Band 66	20M	2155	66886	/	/	/	/	/	/	/	22.79	22.91	24
	Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	/	/	/	/	/	/	/	22.81	23.01	24
	Band 2	20M	1900	19100	QPSK	1	50	Band 66	20M	2155	66886	/	/	/	/	/	/	/	22.92	22.98	24
	Band 66	20M	1720	132072	QPSK	1	99	Band 2	20M	1960	900	/	/	/	/	/	/	/	23.02	23.15	24.2
	Band 66	20M	1745	132322	QPSK	1	99	Band 2	20M	1960	900	/	/	/	/	/	/	/	23.15	23.26	24.2
	Band 66	20M	1770	132572	QPSK	1	99	Band 2	20M	1960	900	/	/	/	/	/	/	/	22.92	23.10	24.2
CA_4A-5A	Band 4	20M	1720	20050	QPSK	1	0	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	23.09	23.11	24.2
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	23.12	23.22	24.2
	Band 4	20M	1745	20300	QPSK	1	0	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	23.06	23.18	24.2
CA_4A-7A	Band 4	20M	1720	20050	QPSK	1	0	Band 7	20M	2655	3100	/	/	/	/	/	/	/	22.92	23.11	24.2
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	/	/	/	/	/	/	/	23.18	23.23	24.2
	Band 4	20M	1745	20300	QPSK	1	0	Band 7	20M	2655	3100	/	/	/	/	/	/	/	22.98	23.13	24.2
	Band 7	20M	2510	20850	QPSK	1	99	Band 4	20M	2132.5	2175	/	/	/	/	/	/	/	22.95	23.10	24
	Band 7	20M	2535	21100	QPSK	1	99	Band 4	20M	2132.5	2175	/	/	/	/	/	/	/	22.84	23.01	24
	Band 7	20M	2560	21350	QPSK	1	99	Band 4	20M	2132.5	2175	/	/	/	/	/	/	/	22.76	22.93	24
CA_5A-7A	Band 7	20M	2510	20850	QPSK	1	99	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	22.91	23.09	24
	Band 7	20M	2535	21100	QPSK	1	99	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	22.84	22.93	24
	Band 7	20M	2560	21350	QPSK	1	99	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	22.85	22.92	24
CA_5A-38A	Band 38	20M	2580	37850	QPSK	1	99	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	23.60	23.73	24.8
	Band 38	20M	2595	38000	QPSK	1	99	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	23.68	23.78	24.8
	Band 38	20M	2610	38150	QPSK	1	99	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	23.57	23.74	24.8
CA_5A-41A	Band 41	20M	2506	39750	QPSK	1	0	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	23.80	23.86	24.8
	Band 41	20M	2549.5	40185	QPSK	1	99	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	23.67	23.72	24.8
	Band 41	20M	2593	40620	QPSK	1	0	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	23.53	23.71	24.8
	Band 41	20M	2636.5	41055	QPSK	1	0	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	23.79	23.86	24.8
CA_5A-66A	Band 41	20M	2680	41490	QPSK	1	0	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	23.79	23.87	24.8
	Band 66	20M	1720	132072	QPSK	1	99	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	23.15	23.27	24.2
	Band 66	20M	1745	132322	QPSK	1	99	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	23.05	23.12	24.2
CA_7A-26A	Band 66	20M	1770	132572	QPSK	1	99	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	23.21	23.30	24.2
	Band 7	20M	2510	20850	QPSK	1	99	Band 26	15M	876.5	8865	/	/	/	/	/	/	/	23.02	23.02	24
	Band 7	20M	2535	21100	QPSK	1	99	Band 26	15M	876.5	8865	/	/	/	/	/	/	/	22.85	23.01	24
CA_7A-66A	Band 7	20M	2560	21350	QPSK	1	99	Band 26	15M	876.5	8865	/	/	/	/	/	/	/	22.83	22.91	24
	Band 7	20M	2510	20850	QPSK	1	99	Band 66	20M	2155	66886	/	/	/	/	/	/	/	22.75	22.94	24
	Band 7	20M	2535	21100	QPSK	1	99	Band 66	20M	2155	66886	/	/	/	/	/	/	/	22.86	22.95	24
	Band 7	20M	2560	21350	QPSK	1	99	Band 66	20M	2155	66886	/	/	/	/	/	/	/	22.80	22.96	24
	Band 66	20M	1720	132072	QPSK	1	99	Band 7	20M	2655	3100	/	/	/	/	/	/	/	23.02	23.11	24.2
	Band 66	20M	1745	132322	QPSK	1	99	Band 7	20M	2655	3100	/	/	/	/	/	/	/	23.23	23.27	24.2
CA_26A-38A	Band 66	20M	1770	132572	QPSK	1	99	Band 7	20M	2655	3100	/	/	/	/	/	/	/	23.15	23.18	24.2
	Band 38	20M	2580	37850	QPSK	1	99	Band 26	15M	876.5	8865	/	/	/	/	/	/	/	23.83	23.87	24.8
	Band 38	20M	2595	38000	QPSK	1	0	Band 26	15M	876.5	8865	/	/	/	/	/	/	/	23.66	23.73	24.8
CA_26A-41A	Band 38	20M	2610	38150	QPSK	1	0	Band 26	15M	876.5	8865	/	/	/	/	/	/	/	23.70	23.80	24.8
	Band 41	20M	2506	39750	QPSK	1	99	Band 26	15M	876.5	8865	/	/	/	/	/	/	/	23.54	23.72	24.8
	Band 41	20M	2549.5	40185	QPSK	1	0	Band 26	15M	876.5	8865	/	/	/	/	/	/	/	23.76	23.76	24.8
	Band 41	20M	2593	40620	QPSK	1	0	Band 26	15M	876.5	8865	/	/	/	/	/	/	/	23.79	23.85	24.8

	Band 41	20M	2549.5	40185	QPSK	1	99	Band 41	5M	2687.5	41565	/	/	/	/	/	/	/	22.65	22.76	23.8
	Band 41	20M	2593	40620	QPSK	1	0	Band 41	5M	2687.5	41565	/	/	/	/	/	/	/	22.72	22.84	23.8
	Band 41	20M	2636.5	41055	QPSK	1	0	Band 41	5M	2498.5	39675	/	/	/	/	/	/	/	22.84	22.89	23.8
	Band 41	20M	2680	41490	QPSK	1	0	Band 41	5M	2498.5	39675	/	/	/	/	/	/	/	22.62	22.71	23.8
CA_66A-66A	Band 66	20M	1720	132072	QPSK	1	99	Band 66	5M	2197.5	67311	/	/	/	/	/	/	/	21.57	21.69	22.7
	Band 66	20M	1745	132322	QPSK	1	99	Band 66	5M	2197.5	67311	/	/	/	/	/	/	/	21.59	21.78	22.7
	Band 66	20M	1770	132572	QPSK	1	99	Band 66	5M	2112.5	66461	/	/	/	/	/	/	/	21.59	21.65	22.7
CA_2A-4A	Band 2	20M	1860	18700	QPSK	1	99	Band 4	20M	2132.5	2175	/	/	/	/	/	/	/	20.41	20.49	21.5
	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	/	/	/	/	/	/	/	20.27	20.42	21.5
	Band 2	20M	1900	19100	QPSK	1	50	Band 4	20M	2132.5	2175	/	/	/	/	/	/	/	20.48	20.49	21.5
	Band 4	20M	1720	20050	QPSK	1	0	Band 2	20M	1960	900	/	/	/	/	/	/	/	21.10	21.27	22.2
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	/	/	/	/	/	/	/	21.05	21.24	22.2
	Band 4	20M	1745	20300	QPSK	1	0	Band 2	20M	1960	900	/	/	/	/	/	/	/	20.99	21.19	22.2
CA_2A-5A	Band 2	20M	1860	18700	QPSK	1	99	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	20.48	20.54	21.5
	Band 2	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	20.47	20.49	21.5
	Band 2	20M	1900	19100	QPSK	1	50	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	20.24	20.44	21.5
CA_2A-7A	Band 2	20M	1860	18700	QPSK	1	99	Band 7	20M	2655	3100	/	/	/	/	/	/	/	20.33	20.42	21.5
	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	/	/	/	/	/	/	/	20.39	20.48	21.5
	Band 2	20M	1900	19100	QPSK	1	50	Band 7	20M	2655	3100	/	/	/	/	/	/	/	20.29	20.49	21.5
	Band 7	20M	2510	20850	QPSK	1	99	Band 2	20M	1960	900	/	/	/	/	/	/	/	21.32	21.45	22.5
	Band 7	20M	2535	21100	QPSK	1	99	Band 2	20M	1960	900	/	/	/	/	/	/	/	21.41	21.45	22.5
	Band 7	20M	2560	21350	QPSK	1	99	Band 2	20M	1960	900	/	/	/	/	/	/	/	21.38	21.51	22.5
CA_2A-26A	Band 2	20M	1860	18700	QPSK	1	99	Band 26	15M	876.5	8865	/	/	/	/	/	/	/	20.43	20.47	21.5
	Band 2	20M	1880	18900	QPSK	1	0	Band 26	15M	876.5	8865	/	/	/	/	/	/	/	20.47	20.54	21.5
	Band 2	20M	1900	19100	QPSK	1	50	Band 26	15M	876.5	8865	/	/	/	/	/	/	/	20.52	20.55	21.5
CA_2A-66A	Band 2	20M	1860	18700	QPSK	1	99	Band 66	20M	2155	66886	/	/	/	/	/	/	/	20.56	20.56	21.5
	Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	/	/	/	/	/	/	/	20.48	20.49	21.5
	Band 2	20M	1900	19100	QPSK	1	50	Band 66	20M	2155	66886	/	/	/	/	/	/	/	20.36	20.48	21.5
	Band 66	20M	1720	132072	QPSK	1	99	Band 2	20M	1960	900	/	/	/	/	/	/	/	21.56	21.65	22.7
	Band 66	20M	1745	132322	QPSK	1	99	Band 2	20M	1960	900	/	/	/	/	/	/	/	21.43	21.62	22.7
	Band 66	20M	1770	132572	QPSK	1	99	Band 2	20M	1960	900	/	/	/	/	/	/	/	21.67	21.70	22.7
CA_4A-5A	Band 4	20M	1720	20050	QPSK	1	0	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	21.16	21.16	22.2
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	20.98	21.14	22.2
	Band 4	20M	1745	20300	QPSK	1	0	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	21.02	21.22	22.2
CA_4A-7A	Band 4	20M	1720	20050	QPSK	1	0	Band 7	20M	2655	3100	/	/	/	/	/	/	/	21.25	21.26	22.2
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	/	/	/	/	/	/	/	21.27	21.30	22.2
	Band 4	20M	1745	20300	QPSK	1	0	Band 7	20M	2655	3100	/	/	/	/	/	/	/	21.05	21.17	22.2
	Band 7	20M	2510	20850	QPSK	1	99	Band 4	20M	2132.5	2175	/	/	/	/	/	/	/	21.49	21.58	22.5
	Band 7	20M	2535	21100	QPSK	1	99	Band 4	20M	2132.5	2175	/	/	/	/	/	/	/	21.40	21.60	22.5
	Band 7	20M	2560	21350	QPSK	1	99	Band 4	20M	2132.5	2175	/	/	/	/	/	/	/	21.41	21.60	22.5
CA_5A-7A	Band 7	20M	2510	20850	QPSK	1	99	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	21.51	21.54	22.5
	Band 7	20M	2535	21100	QPSK	1	99	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	21.43	21.49	22.5
	Band 7	20M	2560	21350	QPSK	1	99	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	21.45	21.56	22.5
CA_5A-38A	Band 38	20M	2580	37850	QPSK	1	99	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	22.80	22.90	23.8
	Band 38	20M	2595	38000	QPSK	1	99	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	22.73	22.81	23.8
	Band 38	20M	2610	38150	QPSK	1	99	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	22.58	22.72	23.8
CA_5A-41A	Band 41	20M	2506	39750	QPSK	1	0	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	22.84	22.84	23.8
	Band 41	20M	2549.5	40185	QPSK	1	99	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	22.61	22.81	23.8

CA_7A-66A-66A	Band 66	20M	1770	132572	QPSK	1	99	Band 66	5M	2112.5	66461	Band 5	10M	881.5	2525	/	/	/	/	21.55	21.67	22.7
	Band 7	20M	2510	20850	QPSK	1	99	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	/	/	/	/	21.41	21.53	22.5
	Band 7	20M	2535	21100	QPSK	1	99	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	/	/	/	/	21.38	21.43	22.5
	Band 7	20M	2560	21350	QPSK	1	99	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	/	/	/	/	21.40	21.47	22.5
	Band 66	20M	1720	132072	QPSK	1	99	Band 66	5M	2197.5	67311	Band 5	10M	881.5	2525	/	/	/	/	21.76	21.79	22.7
	Band 66	20M	1745	132322	QPSK	1	99	Band 66	5M	2197.5	67311	Band 5	10M	881.5	2525	/	/	/	/	21.61	21.77	22.7
	Band 66	20M	1770	132572	QPSK	1	99	Band 66	5M	2112.5	66461	Band 5	10M	881.5	2525	/	/	/	/	21.57	21.72	22.7
CA_2A-7C	Band 2	20M	1860	18700	QPSK	1	99	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	/	/	/	/	20.55	20.56	21.5
	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	/	/	/	/	20.43	20.49	21.5
	Band 2	20M	1900	19100	QPSK	1	50	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	/	/	/	/	20.35	20.40	21.5
	Band 7	20M	2510	20850	QPSK	1	99	Band 7	20M	2649.8	3048	Band 2	20M	1960	900	/	/	/	/	21.44	21.55	22.5
	Band 7	20M	2535	21100	QPSK	1	99	Band 7	20M	2674.8	3298	Band 2	20M	1960	900	/	/	/	/	21.45	21.47	22.5
	Band 7	20M	2560	21350	QPSK	1	99	Band 7	20M	2660.2	3152	Band 2	20M	1960	900	/	/	/	/	21.39	21.52	22.5
CA_4A-7C	Band 4	20M	1720	20050	QPSK	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	/	/	/	/	21.00	21.17	22.2
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	/	/	/	/	21.04	21.11	22.2
	Band 4	20M	1745	20300	QPSK	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	/	/	/	/	21.14	21.27	22.2
	Band 7	20M	2510	20850	QPSK	1	99	Band 7	20M	2649.8	3048	Band 4	20M	2132.5	2175	/	/	/	/	21.52	21.54	22.5
	Band 7	20M	2535	21100	QPSK	1	99	Band 7	20M	2674.8	3298	Band 4	20M	2132.5	2175	/	/	/	/	21.50	21.53	22.5
	Band 7	20M	2560	21350	QPSK	1	99	Band 7	20M	2660.2	3152	Band 4	20M	2132.5	2175	/	/	/	/	21.31	21.46	22.5
CA_5A-7C	Band 7	20M	2510	20850	QPSK	1	99	Band 7	20M	2649.8	3048	Band 5	10M	881.5	2525	/	/	/	/	21.37	21.56	22.5
	Band 7	20M	2535	21100	QPSK	1	99	Band 7	20M	2674.8	3298	Band 5	10M	881.5	2525	/	/	/	/	21.30	21.50	22.5
	Band 7	20M	2560	21350	QPSK	1	99	Band 7	20M	2660.2	3152	Band 5	10M	881.5	2525	/	/	/	/	21.40	21.46	22.5
CA_5A-66C	Band 66	20M	1720	132072	QPSK	1	99	Band 66	20M	2139.8	66734	Band 5	10M	881.5	2525	/	/	/	/	21.64	21.79	22.7
	Band 66	20M	1745	132322	QPSK	1	99	Band 66	20M	2174.8	67084	Band 5	10M	881.5	2525	/	/	/	/	21.59	21.76	22.7
	Band 66	20M	1770	132572	QPSK	1	99	Band 66	20M	2170.2	67038	Band 5	10M	881.5	2525	/	/	/	/	21.49	21.68	22.7
CA_41D	Band 41	20M	2506	39750	QPSK	1	0	Band 41	20M	2525.8	39948	Band 41	20M	2545.6	40146	/	/	/	/	22.53	22.71	23.8
	Band 41	20M	2549.5	40185	QPSK	1	99	Band 41	20M	2569.3	40383	Band 41	20M	2589.1	40581	/	/	/	/	22.57	22.74	23.8
	Band 41	20M	2593	40620	QPSK	1	0	Band 41	20M	2612.8	40818	Band 41	20M	2632.6	41016	/	/	/	/	22.77	22.84	23.8
	Band 41	20M	2636.5	41055	QPSK	1	0	Band 41	20M	2656.3	41253	Band 41	20M	2676.1	41451	/	/	/	/	22.76	22.80	23.8
CA_41A-41A-41A	Band 41	20M	2680	41490	QPSK	1	0	Band 41	20M	2660.2	41292	Band 41	20M	2640.4	41094	/	/	/	/	22.69	22.86	23.8
	Band 41	20M	2506	39750	QPSK	1	0	Band 41	20M	2525.8	39948	Band 41	20M	2545.6	40146	Band 41	20M	2565.4	40344	22.64	22.72	23.8
	Band 41	20M	2549.5	40185	QPSK	1	99	Band 41	20M	2569.3	40383	Band 41	20M	2589.1	40581	Band 41	20M	2608.9	40779	22.67	22.82	23.8
	Band 41	20M	2593	40620	QPSK	1	0	Band 41	20M	2612.8	40818	Band 41	20M	2632.6	41016	Band 41	20M	2652.4	41214	22.60	22.74	23.8
	Band 41	20M	2636.5	41055	QPSK	1	0	Band 41	20M	2656.3	41253	Band 41	20M	2676.1	41451	Band 41	20M	2695.9	41649	22.65	22.71	23.8
CA_7C-66A	Band 41	20M	2680	41490	QPSK	1	0	Band 41	20M	2660.2	41292	Band 41	20M	2640.4	41490	Band 41	20M	2660.2	41688	22.70	22.90	23.8
CA_5A-7A-66A-66A	Band 7	20M	2535	21100	QPSK	1	99	Band 7	20M	2674.8	3298	Band 66	20M	2155	66886	/	/	/	/	21.43	21.60	22.5
	Band 7	20M	2510	20850	QPSK	1	99	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	Band 5	10M	881.5	2525	21.38	21.43	22.5
	Band 7	20M	2535	21100	QPSK	1	99	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	Band 5	10M	881.5	2525	21.45	21.53	22.5
	Band 7	20M	2560	21350	QPSK	1	99	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	Band 5	10M	881.5	2525	21.51	21.60	22.5
	Band 66	20M	1720	132072	QPSK	1	99	Band 66	5M	2197.5	67311	Band 5	10M	881.5	2525	Band 5	10M	881.5	2525	21.55	21.67	22.7
	Band 66	20M	1745	132322	QPSK	1	99	Band 66	5M	2197.5	67311	Band 5	10M	881.5	2525	Band 5	10M	881.5	2525	21.65	21.74	22.7
Band 66	20M	1770	132572	QPSK	1	99	Band 66	5M	2112.5	66461	Band 5	10M	881.5	2525	Band 5	10M	881.5	2525	21.64	21.76	22.7	

CA_2A-26A	Band 2	20M	1860	18700	QPSK	1	99	Band 26	15M	876.5	8865	/	/	/	/	/	/	/	/	19.45	19.46	20.5
	Band 2	20M	1880	18900	QPSK	1	0	Band 26	15M	876.5	8865	/	/	/	/	/	/	/	/	19.47	19.60	20.5
	Band 2	20M	1900	19100	QPSK	1	50	Band 26	15M	876.5	8865	/	/	/	/	/	/	/	/	19.43	19.46	20.5
CA_2A-66A	Band 2	20M	1860	18700	QPSK	1	99	Band 66	20M	2155	66886	/	/	/	/	/	/	/	/	19.28	19.43	20.5
	Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	/	/	/	/	/	/	/	/	19.29	19.47	20.5
	Band 2	20M	1900	19100	QPSK	1	50	Band 66	20M	2155	66886	/	/	/	/	/	/	/	/	19.49	19.50	20.5
	Band 66	20M	1720	132072	QPSK	1	99	Band 2	20M	1960	900	/	/	/	/	/	/	/	/	20.17	20.24	21.2
	Band 66	20M	1745	132322	QPSK	1	99	Band 2	20M	1960	900	/	/	/	/	/	/	/	/	20.17	20.26	21.2
	Band 66	20M	1770	132572	QPSK	1	99	Band 2	20M	1960	900	/	/	/	/	/	/	/	/	20.08	20.13	21.2
CA_4A-5A	Band 4	20M	1720	20050	QPSK	1	0	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	/	20.02	20.12	21.2
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	/	20.21	20.29	21.2
	Band 4	20M	1745	20300	QPSK	1	0	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	/	20.08	20.15	21.2
CA_4A-7A	Band 4	20M	1720	20050	QPSK	1	0	Band 7	20M	2655	3100	/	/	/	/	/	/	/	/	20.05	20.21	21.2
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	/	/	/	/	/	/	/	/	20.13	20.20	21.2
	Band 4	20M	1745	20300	QPSK	1	0	Band 7	20M	2655	3100	/	/	/	/	/	/	/	/	20.23	20.28	21.2
	Band 7	20M	2510	20850	QPSK	1	99	Band 4	20M	2132.5	2175	/	/	/	/	/	/	/	/	19.96	19.97	21
	Band 7	20M	2535	21100	QPSK	1	99	Band 4	20M	2132.5	2175	/	/	/	/	/	/	/	/	19.91	19.98	21
	Band 7	20M	2560	21350	QPSK	1	99	Band 4	20M	2132.5	2175	/	/	/	/	/	/	/	/	19.89	19.96	21
CA_5A-7A	Band 7	20M	2510	20850	QPSK	1	99	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	/	19.99	20.09	21
	Band 7	20M	2535	21100	QPSK	1	99	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	/	19.91	19.97	21
	Band 7	20M	2560	21350	QPSK	1	99	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	/	19.87	20.02	21
CA_5A-38A	Band 38	20M	2580	37850	QPSK	1	99	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	/	21.18	21.33	22.3
	Band 38	20M	2595	38000	QPSK	1	99	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	/	21.18	21.31	22.3
	Band 38	20M	2610	38150	QPSK	1	99	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	/	21.23	21.25	22.3
CA_5A-41A	Band 41	20M	2506	39750	QPSK	1	0	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	/	21.12	21.32	22.3
	Band 41	20M	2549.5	40185	QPSK	1	99	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	/	21.33	21.34	22.3
	Band 41	20M	2593	40620	QPSK	1	0	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	/	21.33	21.37	22.3
	Band 41	20M	2636.5	41055	QPSK	1	0	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	/	21.06	21.22	22.3
	Band 41	20M	2680	41490	QPSK	1	0	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	/	21.23	21.31	22.3
CA_5A-66A	Band 66	20M	1720	132072	QPSK	1	99	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	/	19.98	20.14	21.2
	Band 66	20M	1745	132322	QPSK	1	99	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	/	20.21	20.25	21.2
	Band 66	20M	1770	132572	QPSK	1	99	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	/	20.00	20.13	21.2
CA_7A-26A	Band 7	20M	2510	20850	QPSK	1	99	Band 26	15M	876.5	8865	/	/	/	/	/	/	/	/	19.87	20.04	21
	Band 7	20M	2535	21100	QPSK	1	99	Band 26	15M	876.5	8865	/	/	/	/	/	/	/	/	20.01	20.05	21
	Band 7	20M	2560	21350	QPSK	1	99	Band 26	15M	876.5	8865	/	/	/	/	/	/	/	/	19.92	19.92	21
CA_7A-66A	Band 7	20M	2510	20850	QPSK	1	99	Band 66	20M	2155	66886	/	/	/	/	/	/	/	/	19.86	20.05	21
	Band 7	20M	2535	21100	QPSK	1	99	Band 66	20M	2155	66886	/	/	/	/	/	/	/	/	19.83	19.90	21
	Band 7	20M	2560	21350	QPSK	1	99	Band 66	20M	2155	66886	/	/	/	/	/	/	/	/	19.92	19.96	21
	Band 66	20M	1720	132072	QPSK	1	99	Band 7	20M	2655	3100	/	/	/	/	/	/	/	/	20.12	20.13	21.2
	Band 66	20M	1745	132322	QPSK	1	99	Band 7	20M	2655	3100	/	/	/	/	/	/	/	/	20.01	20.20	21.2
	Band 66	20M	1770	132572	QPSK	1	99	Band 7	20M	2655	3100	/	/	/	/	/	/	/	/	20.04	20.22	21.2
CA_26A-38A	Band 38	20M	2580	37850	QPSK	1	99	Band 26	15M	876.5	8865	/	/	/	/	/	/	/	/	21.11	21.21	22.3
	Band 38	20M	2595	38000	QPSK	1	0	Band 26	15M	876.5	8865	/	/	/	/	/	/	/	/	21.27	21.33	22.3
	Band 38	20M	2610	38150	QPSK	1	0	Band 26	15M	876.5	8865	/	/	/	/	/	/	/	/	21.15	21.22	22.3
CA_26A-41A	Band 41	20M	2506	39750	QPSK	1	99	Band 26	15M	876.5	8865	/	/	/	/	/	/	/	/	21.31	21.33	22.3
	Band 41	20M	2549.5	40185	QPSK	1	0	Band 26	15M	876.5	8865	/	/	/	/	/	/	/	/	21.32	21.40	22.3
	Band 41	20M	2593	40620	QPSK	1	0	Band 26	15M	876.5	8865	/	/	/	/	/	/	/	/	21.21	21.37	22.3
	Band 41	20M	2636.5	41055	QPSK	1	0	Band 26	15M	876.5	8865	/	/	/	/	/	/	/	/	21.13	21.31	22.3

CA_2A-4A-5A	Band 41	20M	2680	41490	QPSK	1	0	Band 26	15M	876.5	8865	/	/	/	/	/	/	/	/	21.25	21.31	22.3	
	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 5	10M	881.5	2525	/	/	/	/	/	19.40	19.51	20.5
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	Band 2	20M	1960	900	/	/	/	/	/	20.15	20.25	21.2
CA_2A-5A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	Band 7	20M	2655	3100	/	/	/	/	/	19.55	19.59	20.5
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 5	10M	881.5	2525	/	/	/	/	/	20.23	20.25	21.2
CA_2A-5A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	Band 66	20M	2155	66886	/	/	/	/	/	19.53	19.55	20.5
	Band 66	20M	1745	132322	QPSK	1	99	Band 2	20M	1960	900	Band 5	10M	881.5	2525	/	/	/	/	/	20.24	20.25	21.2
CA_2A-7A-7A	Band 2	20M	1860	18700	QPSK	1	99	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	/	/	/	/	/	19.50	19.50	20.5
	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	/	/	/	/	/	19.50	19.59	20.5
	Band 2	20M	1900	19100	QPSK	1	50	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	/	/	/	/	/	19.25	19.41	20.5
	Band 7	20M	2510	20850	QPSK	1	99	Band 7	5M	2687.5	3425	Band 2	20M	1960	900	/	/	/	/	/	19.73	19.91	21
	Band 7	20M	2535	21100	QPSK	1	99	Band 7	5M	2687.5	3425	Band 2	20M	1960	900	/	/	/	/	/	19.88	19.98	21
	Band 7	20M	2560	21350	QPSK	1	99	Band 7	5M	2622.5	2775	Band 2	20M	1960	900	/	/	/	/	/	19.83	19.91	21
CA_4A-4A-5A	Band 4	20M	1720	20050	QPSK	1	0	Band 4	5M	2152.5	2375	Band 5	10M	881.5	2525	/	/	/	/	/	20.14	20.19	21.2
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 5	10M	881.5	2525	/	/	/	/	/	20.24	20.27	21.2
	Band 4	20M	1745	20300	QPSK	1	0	Band 4	5M	2112.5	1975	Band 5	10M	881.5	2525	/	/	/	/	/	19.97	20.17	21.2
CA_4A-4A-7A	Band 4	20M	1720	20050	QPSK	1	0	Band 4	5M	2152.5	2375	Band 7	20M	2655	3100	/	/	/	/	/	20.11	20.29	21.2
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 7	20M	2655	3100	/	/	/	/	/	20.11	20.28	21.2
	Band 4	20M	1745	20300	QPSK	1	0	Band 4	5M	2112.5	1975	Band 7	20M	2655	3100	/	/	/	/	/	20.08	20.15	21.2
	Band 7	20M	2510	20850	QPSK	1	99	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	/	/	/	/	/	19.85	20.02	21
	Band 7	20M	2535	21100	QPSK	1	99	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	/	/	/	/	/	19.89	19.93	21
	Band 7	20M	2560	21350	QPSK	1	99	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	/	/	/	/	/	19.88	20.03	21
CA_5A-7A-66A	Band 7	20M	2535	21100	QPSK	1	0	Band 66	20M	2155	66886	Band 5	10M	881.5	2525	/	/	/	/	/	19.93	19.96	21
	Band 66	20M	1745	132322	QPSK	1	99	Band 5	10M	881.5	2525	Band 7	20M	2655	3100	/	/	/	/	/	20.07	20.21	21.2
CA_5A-66A-66A	Band 66	20M	1720	132072	QPSK	1	99	Band 66	5M	2197.5	67311	Band 5	10M	881.5	2525	/	/	/	/	/	20.20	20.24	21.2
	Band 66	20M	1745	132322	QPSK	1	99	Band 66	5M	2197.5	67311	Band 5	10M	881.5	2525	/	/	/	/	/	20.09	20.26	21.2
	Band 66	20M	1770	132572	QPSK	1	99	Band 66	5M	2112.5	66461	Band 5	10M	881.5	2525	/	/	/	/	/	20.13	20.21	21.2
CA_7A-66A-66A	Band 7	20M	2510	20850	QPSK	1	99	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	/	/	/	/	/	19.96	20.08	21
	Band 7	20M	2535	21100	QPSK	1	99	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	/	/	/	/	/	19.87	19.95	21
	Band 7	20M	2560	21350	QPSK	1	99	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	/	/	/	/	/	19.86	20.06	21
	Band 66	20M	1720	132072	QPSK	1	99	Band 66	5M	2197.5	67311	Band 5	10M	881.5	2525	/	/	/	/	/	20.10	20.17	21.2
	Band 66	20M	1745	132322	QPSK	1	99	Band 66	5M	2197.5	67311	Band 5	10M	881.5	2525	/	/	/	/	/	20.01	20.20	21.2
	Band 66	20M	1770	132572	QPSK	1	99	Band 66	5M	2112.5	66461	Band 5	10M	881.5	2525	/	/	/	/	/	20.22	20.27	21.2
CA_2A-7C	Band 2	20M	1860	18700	QPSK	1	99	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	/	/	/	/	/	19.31	19.48	20.5
	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	/	/	/	/	/	19.39	19.53	20.5
	Band 2	20M	1900	19100	QPSK	1	50	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	/	/	/	/	/	19.35	19.55	20.5
	Band 7	20M	2510	20850	QPSK	1	99	Band 7	20M	2649.8	3048	Band 2	20M	1960	900	/	/	/	/	/	19.89	20.02	21
	Band 7	20M	2535	21100	QPSK	1	99	Band 7	20M	2674.8	3298	Band 2	20M	1960	900	/	/	/	/	/	19.84	19.97	21
	Band 7	20M	2560	21350	QPSK	1	99	Band 7	20M	2660.2	3152	Band 2	20M	1960	900	/	/	/	/	/	19.91	20.00	21
CA_4A-7C	Band 4	20M	1720	20050	QPSK	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	/	/	/	/	/	20.07	20.26	21.2
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	/	/	/	/	/	20.03	20.23	21.2
	Band 4	20M	1745	20300	QPSK	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	/	/	/	/	/	20.11	20.17	21.2
	Band 7	20M	2510	20850	QPSK	1	99	Band 7	20M	2649.8	3048	Band 4	20M	2132.5	2175	/	/	/	/	/	19.81	19.99	21
	Band 7	20M	2535	21100	QPSK	1	99	Band 7	20M	2674.8	3298	Band 4	20M	2132.5	2175	/	/	/	/	/	19.98	20.03	21
	Band 7	20M	2560	21350	QPSK	1	99	Band 7	20M	2660.2	3152	Band 4	20M	2132.5	2175	/	/	/	/	/	19.83	19.97	21
CA_5A-7C	Band 7	20M	2510	20850	QPSK	1	99	Band 7	20M	2649.8	3048	Band 5	10M	881.5	2525	/	/	/	/	/	20.04	20.05	21
	Band 7	20M	2535	21100	QPSK	1	99	Band 7	20M	2674.8	3298	Band 5	10M	881.5	2525	/	/	/	/	/	19.84	19.96	21
	Band 7	20M	2560	21350	QPSK	1	99	Band 7	20M	2660.2	3152	Band 5	10M	881.5	2525	/	/	/	/	/	19.89	19.99	21

CA_5A-66C	Band 66	20M	1720	132072	QPSK	1	99	Band 66	20M	2139.8	66734	Band 5	10M	881.5	2525	/	/	/	/	20.04	20.11	21.2
	Band 66	20M	1745	132322	QPSK	1	99	Band 66	20M	2174.8	67084	Band 5	10M	881.5	2525	/	/	/	/	20.10	20.26	21.2
	Band 66	20M	1770	132572	QPSK	1	99	Band 66	20M	2170.2	67038	Band 5	10M	881.5	2525	/	/	/	/	20.06	20.12	21.2
CA_41D	Band 41	20M	2506	39750	QPSK	1	0	Band 41	20M	2525.8	39948	Band 41	20M	2545.6	40146	/	/	/	/	21.08	21.23	22.3
	Band 41	20M	2549.5	40185	QPSK	1	99	Band 41	20M	2569.3	40383	Band 41	20M	2589.1	40581	/	/	/	/	21.04	21.22	22.3
	Band 41	20M	2593	40620	QPSK	1	0	Band 41	20M	2612.8	40818	Band 41	20M	2632.6	41016	/	/	/	/	21.26	21.34	22.3
	Band 41	20M	2636.5	41055	QPSK	1	0	Band 41	20M	2656.3	41253	Band 41	20M	2676.1	41451	/	/	/	/	21.29	21.38	22.3
	Band 41	20M	2680	41490	QPSK	1	0	Band 41	20M	2660.2	41292	Band 41	20M	2640.4	41094	/	/	/	/	21.25	21.39	22.3
CA_41A-41A-41A	Band 41	20M	2506	39750	QPSK	1	0	Band 41	20M	2525.8	39948	Band 41	20M	2545.6	40146	Band 41	20M	2565.4	40344	21.35	21.39	22.3
	Band 41	20M	2549.5	40185	QPSK	1	99	Band 41	20M	2569.3	40383	Band 41	20M	2589.1	40581	Band 41	20M	2608.9	40779	21.08	21.26	22.3
	Band 41	20M	2593	40620	QPSK	1	0	Band 41	20M	2612.8	40818	Band 41	20M	2632.6	41016	Band 41	20M	2652.4	41214	21.19	21.22	22.3
	Band 41	20M	2636.5	41055	QPSK	1	0	Band 41	20M	2656.3	41253	Band 41	20M	2676.1	41451	Band 41	20M	2695.9	41649	21.07	21.27	22.3
	Band 41	20M	2680	41490	QPSK	1	0	Band 41	20M	2660.2	41292	Band 41	20M	2640.4	41490	Band 41	20M	2660.2	41688	21.32	21.32	22.3
CA_7C-66A	Band 7	20M	2535	21100	QPSK	1	99	Band 7	20M	2674.8	3298	Band 66	20M	2155	66886	/	/	/	/	19.97	20.06	21
CA_5A-7A-66A-66A	Band 7	20M	2510	20850	QPSK	1	99	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	Band 5	10M	881.5	2525	19.88	20.07	21
	Band 7	20M	2535	21100	QPSK	1	99	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	Band 5	10M	881.5	2525	20.06	20.07	21
	Band 7	20M	2560	21350	QPSK	1	99	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	Band 5	10M	881.5	2525	19.93	20.00	21
	Band 66	20M	1720	132072	QPSK	1	99	Band 66	5M	2197.5	67311	Band 5	10M	881.5	2525	Band 5	10M	881.5	2525	20.08	20.16	21.2
	Band 66	20M	1745	132322	QPSK	1	99	Band 66	5M	2197.5	67311	Band 5	10M	881.5	2525	Band 5	10M	881.5	2525	20.15	20.21	21.2
	Band 66	20M	1770	132572	QPSK	1	99	Band 66	5M	2112.5	66461	Band 5	10M	881.5	2525	Band 5	10M	881.5	2525	20.11	20.23	21.2

8.4 Conducted Power of LTE Downlink CA (Ant41)

DL LTE CA Class DSI 2/3/4/5/8/9/10	PCC							SCC1				SCC2				SCC3				Power		
	LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL LTE CA Tx.Power	LTE Rel 8 Tx.Power	Tune-up
CA_5A-5A	Band 5	10M	829	20450	QPSK	1	49	Band 5	5M	891.5	2625	/	/	/	/	/	/	/	/	23.14	23.29	24.2
	Band 5	10M	836.5	20525	QPSK	1	0	Band 5	5M	891.5	2625	/	/	/	/	/	/	/	/	23.09	23.15	24.2
	Band 5	10M	844	20600	QPSK	1	0	Band 5	5M	871.5	2425	/	/	/	/	/	/	/	/	23.07	23.12	24.2
CA_2A-5A	Band 5	10M	829	20450	QPSK	1	49	Band 2	20M	1960	900	/	/	/	/	/	/	/	/	23.02	23.22	24.2
	Band 5	10M	836.5	20525	QPSK	1	0	Band 2	20M	1960	900	/	/	/	/	/	/	/	/	23.12	23.27	24.2
	Band 5	10M	844	20600	QPSK	1	0	Band 2	20M	1960	900	/	/	/	/	/	/	/	/	22.95	23.14	24.2
CA_4A-5A	Band 5	10M	829	20450	QPSK	1	49	Band 4	20M	2132.5	2175	/	/	/	/	/	/	/	/	23.26	23.26	24.2
	Band 5	10M	836.5	20525	QPSK	1	0	Band 4	20M	2132.5	2175	/	/	/	/	/	/	/	/	23.11	23.20	24.2
	Band 5	10M	844	20600	QPSK	1	0	Band 4	20M	2132.5	2175	/	/	/	/	/	/	/	/	23.06	23.24	24.2
CA_5A-7A	Band 5	10M	829	20450	QPSK	1	49	Band 7	20M	2655	3100	/	/	/	/	/	/	/	/	23.11	23.21	24.2
	Band 5	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	/	/	/	/	/	/	/	/	23.22	23.23	24.2
	Band 5	10M	844	20600	QPSK	1	0	Band 7	20M	2655	3100	/	/	/	/	/	/	/	/	23.28	23.29	24.2
CA_5A-38A	Band 5	10M	829	20450	QPSK	1	49	Band 38	20M	2595	38000	/	/	/	/	/	/	/	/	23.22	23.28	24.2
	Band 5	10M	836.5	20525	QPSK	1	0	Band 38	20M	2595	38000	/	/	/	/	/	/	/	/	22.99	23.19	24.2
	Band 5	10M	844	20600	QPSK	1	0	Band 38	20M	2595	38000	/	/	/	/	/	/	/	/	22.95	23.12	24.2
CA_5A-41A	Band 5	10M	829	20450	QPSK	1	49	Band 41	20M	2593	40620	/	/	/	/	/	/	/	/	23.05	23.24	24.2
	Band 5	10M	836.5	20525	QPSK	1	0	Band 41	20M	2593	40620	/	/	/	/	/	/	/	/	23.12	23.30	24.2
	Band 5	10M	844	20600	QPSK	1	0	Band 41	20M	2593	40620	/	/	/	/	/	/	/	/	23.10	23.18	24.2
CA_5A-66A	Band 5	10M	829	20450	QPSK	1	49	Band 66	20M	2155	66886	/	/	/	/	/	/	/	/	23.18	23.22	24.2
	Band 5	10M	836.5	20525	QPSK	1	0	Band 66	20M	2155	66886	/	/	/	/	/	/	/	/	23.00	23.13	24.2
	Band 5	10M	844	20600	QPSK	1	0	Band 66	20M	2155	66886	/	/	/	/	/	/	/	/	23.12	23.23	24.2
CA_2A-4A-5A	Band 5	10M	836.5	20525	QPSK	1	0	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	/	/	/	/	23.11	23.25	24.2
CA_2A-5A-7A	Band 5	10M	836.5	20525	QPSK	1	0	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	/	/	/	/	23.21	23.22	24.2
CA_2A-5A-66A	Band 5	10M	836.5	20525	QPSK	1	0	Band 66	20M	2155	66886	Band 2	20M	1960	900	/	/	/	/	23.10	23.12	24.2
CA_4A-4A-5A	Band 5	10M	829	20450	QPSK	1	49	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	/	/	/	/	23.20	23.24	24.2
	Band 5	10M	836.5	20525	QPSK	1	0	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	/	/	/	/	23.06	23.24	24.2
	Band 5	10M	844	20600	QPSK	1	0	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	/	/	/	/	23.12	23.25	24.2
CA_5A-7A-66A	Band 5	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	Band 66	20M	2155	66886	/	/	/	/	23.10	23.24	24.2
CA_5A-66A-66A	Band 5	10M	829	20450	QPSK	1	49	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	/	/	/	/	22.96	23.13	24.2
	Band 5	10M	836.5	20525	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	/	/	/	/	23.14	23.24	24.2
	Band 5	10M	844	20600	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	/	/	/	/	23.14	23.27	24.2
CA_5A-7C	Band 5	10M	829	20450	QPSK	1	49	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	/	/	/	/	23.27	23.27	24.2
	Band 5	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	/	/	/	/	23.12	23.15	24.2
	Band 5	10M	844	20600	QPSK	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	/	/	/	/	23.21	23.30	24.2
CA_5A-66C	Band 5	10M	829	20450	QPSK	1	49	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	/	/	/	/	23.06	23.18	24.2
	Band 5	10M	836.5	20525	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	/	/	/	/	23.15	23.29	24.2
	Band 5	10M	844	20600	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	/	/	/	/	23.11	23.11	24.2
CA_5A-7C-66A	Band 5	10M	836.5	20525	QPSK	1	0	Band 7	20M	2535	3100	Band 7	20M	2674.8	3298	Band 66	20M	2155	66886	23.04	23.13	24.2
CA_5A-7A-66A-66A	Band 5	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	Band 66	20M	2155	66886	Band 66	20M	2190	67236	23.02	23.17	24.2
CA_7A-26A	Band 26	15M	821.5	26765	QPSK	1	0	Band 7	20M	2655	3100	/	/	/	/	/	/	/	/	22.92	23.11	24.2
	Band 26	15M	831.5	26865	QPSK	1	74	Band 7	20M	2655	3100	/	/	/	/	/	/	/	/	23.17	23.21	24.2
	Band 26	15M	841.5	26965	QPSK	1	38	Band 7	20M	2655	3100	/	/	/	/	/	/	/	/	23.02	23.17	24.2
CA_26A-41A	Band 26	15M	821.5	26765	QPSK	1	0	Band 41	20M	2593	40620	/	/	/	/	/	/	/	/	23.05	23.11	24.2
	Band 26	15M	831.5	26865	QPSK	1	74	Band 41	20M	2593	40620	/	/	/	/	/	/	/	/	23.06	23.25	24.2
	Band 26	15M	841.5	26965	QPSK	1	38	Band 41	20M	2593	40620	/	/	/	/	/	/	/	/	23.14	23.30	24.2

9 Conducted Power of NR Antenna

9.1 Conducted Power of NR Antenna (Ant11)

N5 DSI 2/4/5/8/9/10				Conducted Power(dBm)				
SCS 15kHz								
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				166800	167300	167800		
				834	836.5	839		
20MHz	DFT-s-OFDM PI/2 BPSK	1	1	23.04	22.90	22.98	24.70	
		1	53	22.90	22.78	22.82	24.70	
		1	104	22.71	22.70	22.70	24.70	
		50	0	22.34	22.30	22.29	24.20	
		50	28	22.78	22.76	22.77	24.70	
		50	56	22.20	22.14	22.18	24.20	
	DFT-s-OFDM QPSK	100	0	22.25	22.25	22.29	24.20	
		1	1	23.01	23.03	22.97	24.70	
		1	53	22.86	22.84	22.80	24.70	
		1	104	22.72	22.75	22.70	24.70	
		50	0	21.89	21.82	21.78	23.70	
		50	28	22.76	22.80	22.74	24.70	
	DFT-s-OFDM 16QAM	50	56	21.72	21.67	21.64	23.70	
		100	0	21.80	21.78	21.80	23.70	
		1	1	22.19	22.17	21.75	23.70	
		DFT-s-OFDM 64QAM	1	1	20.27	20.31	20.37	22.20
		DFT-s-OFDM 256QAM	1	1	18.51	18.49	18.47	20.20
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	CP-OFDM QPSK	1	1	166800	167300	167800	23.20	
				21.36	21.33	21.21		
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
15MHz	DFT-s-OFDM QPSK	1	1	166300	167300	168300	24.70	
				22.89	22.93	22.86		
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
10MHz	DFT-s-OFDM QPSK	1	1	165800	167300	168800	24.70	
				22.90	22.89	22.83		
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
5MHz	DFT-s-OFDM QPSK	1	1	165300	167300	169300	24.70	
				22.91	22.94	22.86		

N5 DSI 3				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				166800	167300	167800	
				834	836.5	839	
20MHz	DFT-s-OFDM PI/2 BPSK	1	1	22.56	22.36	22.44	24.20
		1	53	22.43	22.27	22.28	24.20
		1	104	22.20	22.15	22.18	24.20
		50	0	21.86	21.76	21.79	23.70
		50	28	22.29	22.28	22.23	24.20
		50	56	21.68	21.61	21.63	23.70
		100	0	21.71	21.77	21.77	23.70
	DFT-s-OFDM QPSK	1	1	22.47	22.52	22.43	24.20
		1	53	22.33	22.35	22.31	24.20
		1	104	22.23	22.25	22.20	24.20
		50	0	21.43	21.34	21.27	23.20
		50	28	22.30	22.30	22.27	24.20
		50	56	21.25	21.18	21.19	23.20
		100	0	21.29	21.25	21.31	23.20
	DFT-s-OFDM 16QAM	1	1	21.74	21.71	21.25	23.20
DFT-s-OFDM 64QAM	1	1	19.81	19.86	19.82	21.70	
DFT-s-OFDM 256QAM	1	1	17.97	17.95	17.93	19.70	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				166800	167300	167800	
20MHz	CP-OFDM QPSK	1	1	20.89	20.78	20.67	22.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				166300	167300	168300	
15MHz	DFT-s-OFDM QPSK	1	1	22.37	22.47	22.36	24.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				165800	167300	168800	
10MHz	DFT-s-OFDM QPSK	1	1	22.43	22.43	22.38	24.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				165300	167300	169300	
5MHz	DFT-s-OFDM QPSK	1	1	22.46	22.47	22.31	24.20

N7 DSI 2				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				504000	507000	510000	
				2520	2535	2550	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	16.22	16.23	16.26	17.50
		1	108	16.29	16.23	16.15	17.50
		1	214	16.20	16.22	16.29	17.50
		108	0	15.81	15.73	15.85	17.00
		108	54	16.26	16.20	16.25	17.50
		108	108	15.85	15.75	15.81	17.00
		216	0	15.78	15.87	15.76	17.00
	DFT-s-OFDM QPSK	1	1	16.28	16.25	16.22	17.50
		1	108	16.29	16.20	16.22	17.50
		1	214	16.24	16.22	16.23	17.50
		108	0	15.32	15.25	15.34	16.50
		108	54	16.21	16.29	16.25	17.50
		108	108	15.36	15.22	15.30	16.50
		216	0	15.25	15.39	15.25	16.50
	DFT-s-OFDM 16QAM	1	1	15.60	15.07	15.14	16.50
DFT-s-OFDM 64QAM	1	1	13.77	13.68	13.75	15.00	
DFT-s-OFDM 256QAM	1	1	12.10	12.11	12.14	13.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				504000	507000	510000	
40MHz	CP-OFDM QPSK	1	1	14.82	14.79	14.88	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				503000	507000	511000	
30MHz	DFT-s-OFDM QPSK	1	1	16.26	16.31	16.26	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502500	507000	511500	
25MHz	DFT-s-OFDM QPSK	1	1	16.27	16.26	16.20	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502000	507000	512000	
20MHz	DFT-s-OFDM QPSK	1	1	15.95	16.02	15.97	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501500	507000	512500	
15MHz	DFT-s-OFDM QPSK	1	1	16.15	16.17	16.07	17.50

Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501000	507000	513000	
10MHz	DFT-s-OFDM QPSK	1	1	16.24	16.30	16.14	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				500500	507000	513500	
5MHz	DFT-s-OFDM QPSK	1	1	16.27	16.20	16.08	17.50

N7 DSI 3				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				504000	507000	510000	
				2520	2535	2550	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	15.69	15.72	15.74	17.00
		1	108	15.73	15.80	15.71	17.00
		1	214	15.75	15.78	15.82	17.00
		108	0	15.37	15.21	15.35	16.50
		108	54	15.73	15.72	15.72	17.00
		108	108	15.29	15.15	15.27	16.50
		216	0	15.20	15.28	15.25	16.50
	DFT-s-OFDM QPSK	1	1	15.77	15.75	15.67	17.00
		1	108	15.80	15.76	15.72	17.00
		1	214	15.73	15.70	15.84	17.00
		108	0	14.88	14.80	14.82	16.00
		108	54	15.76	15.74	15.75	17.00
		108	108	14.83	14.71	14.73	16.00
	DFT-s-OFDM 16QAM	1	1	15.10	14.60	14.62	16.00
		1	1	13.31	13.28	13.19	14.50
1		1	11.62	11.58	11.72	12.50	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				504000	507000	510000	
40MHz	CP-OFDM QPSK	1	1	14.31	14.29	14.35	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				503000	507000	511000	
30MHz	DFT-s-OFDM QPSK	1	1	15.77	15.77	15.73	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502500	507000	511500	
25MHz	DFT-s-OFDM QPSK	1	1	15.71	15.72	15.63	17.00

Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502000	507000	512000	
20MHz	DFT-s-OFDM QPSK	1	1	15.48	15.57	15.54	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501500	507000	512500	
15MHz	DFT-s-OFDM QPSK	1	1	15.62	15.58	15.54	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501000	507000	513000	
10MHz	DFT-s-OFDM QPSK	1	1	15.80	15.73	15.66	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				500500	507000	513500	
5MHz	DFT-s-OFDM QPSK	1	1	15.78	15.77	15.60	17.00

N7 DSI 4				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				504000	507000	510000	
				2520	2535	2550	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	22.74	22.71	22.70	24.00
		1	108	22.78	22.74	22.68	24.00
		1	214	22.74	22.76	22.80	24.00
		108	0	22.32	22.26	22.31	23.50
		108	54	22.75	22.71	22.75	24.00
		108	108	22.34	22.20	22.28	23.50
	DFT-s-OFDM QPSK	216	0	22.23	22.33	22.30	23.50
		1	1	22.72	22.75	22.67	24.00
		1	108	22.80	22.71	22.68	24.00
		1	214	22.72	22.70	22.78	24.00
		108	0	21.83	21.79	21.80	23.00
		108	54	22.75	22.76	22.71	24.00
	DFT-s-OFDM 16QAM	108	108	21.81	21.74	21.78	23.00
		216	0	21.77	21.84	21.76	23.00
		1	1	22.15	21.61	21.62	23.00
DFT-s-OFDM 64QAM	1	1	20.27	20.23	20.22	21.50	
DFT-s-OFDM 256QAM	1	1	18.59	18.63	18.67	19.50	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				504000	507000	510000	
40MHz	CP-OFDM QPSK	1	1	21.36	21.30	21.32	22.50

Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				503000	507000	511000	
30MHz	DFT-s-OFDM QPSK	1	1	22.74	22.77	22.71	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502500	507000	511500	
25MHz	DFT-s-OFDM QPSK	1	1	22.73	22.72	22.68	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502000	507000	512000	
20MHz	DFT-s-OFDM QPSK	1	1	22.50	22.57	22.49	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501500	507000	512500	
15MHz	DFT-s-OFDM QPSK	1	1	22.60	22.61	22.58	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501000	507000	513000	
10MHz	DFT-s-OFDM QPSK	1	1	22.75	22.78	22.65	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				500500	507000	513500	
5MHz	DFT-s-OFDM QPSK	1	1	22.80	22.75	22.63	24.00

N7 DSI 5				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				504000	507000	510000	
				2520	2535	2550	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	18.75	18.74	18.71	20.00
		1	108	18.81	18.71	18.71	20.00
		1	214	18.78	18.81	18.84	20.00
		108	0	18.34	18.26	18.34	19.50
		108	54	18.78	18.73	18.73	20.00
		108	108	18.36	18.23	18.33	19.50
		216	0	18.18	18.32	18.33	19.50
	DFT-s-OFDM QPSK	1	1	18.73	18.80	18.68	20.00
		1	108	18.84	18.73	18.73	20.00
		1	214	18.73	18.71	18.75	20.00
		108	0	17.80	17.75	17.82	19.00
		108	54	18.72	18.81	18.71	20.00
		108	108	17.82	17.72	17.77	19.00
		216	0	17.73	17.85	17.72	19.00
DFT-s-OFDM 16QAM	1	1	18.17	17.67	17.58	19.00	

	DFT-s-OFDM 64QAM	1	1	16.24	16.25	16.20	17.50
	DFT-s-OFDM 256QAM	1	1	14.62	14.58	14.67	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				504000	507000	510000	
40MHz	CP-OFDM QPSK	1	1	17.42	17.25	17.33	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				503000	507000	511000	
30MHz	DFT-s-OFDM QPSK	1	1	18.74	18.72	18.75	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502500	507000	511500	
25MHz	DFT-s-OFDM QPSK	1	1	18.72	18.67	18.63	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502000	507000	512000	
20MHz	DFT-s-OFDM QPSK	1	1	18.51	18.60	18.44	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501500	507000	512500	
15MHz	DFT-s-OFDM QPSK	1	1	18.58	18.67	18.61	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501000	507000	513000	
10MHz	DFT-s-OFDM QPSK	1	1	18.71	18.73	18.62	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				500500	507000	513500	
5MHz	DFT-s-OFDM QPSK	1	1	18.78	18.73	18.63	20.00

N7 DSI 8/9/10				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				504000	507000	510000	
				2520	2535	2550	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	17.25	17.17	17.22	18.50
		1	108	17.26	17.19	17.15	18.50
		1	214	17.21	17.26	17.36	18.50
		108	0	16.83	16.74	16.82	18.00
		108	54	17.28	17.24	17.31	18.50
		108	108	16.90	16.66	16.73	18.00
		216	0	16.77	16.87	16.83	18.00
		1	1	17.20	17.26	17.13	18.50

	DFT-s-OFDM QPSK	1	108	17.29	17.19	17.19	18.50
		1	214	17.27	17.17	17.26	18.50
		108	0	16.35	16.27	16.26	17.50
		108	54	17.30	17.32	17.19	18.50
		108	108	16.27	16.22	16.26	17.50
		216	0	16.33	16.40	16.26	17.50
	DFT-s-OFDM 16QAM	1	1	16.70	16.16	16.18	17.50
	DFT-s-OFDM 64QAM	1	1	14.83	14.72	14.70	16.00
	DFT-s-OFDM 256QAM	1	1	13.09	13.15	13.17	14.00
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				504000	507000	510000	
40MHz	CP-OFDM QPSK	1	1	15.82	15.76	15.77	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				503000	507000	511000	
30MHz	DFT-s-OFDM QPSK	1	1	17.20	17.32	17.23	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502500	507000	511500	
25MHz	DFT-s-OFDM QPSK	1	1	17.24	17.24	17.21	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502000	507000	512000	
20MHz	DFT-s-OFDM QPSK	1	1	17.01	17.02	16.95	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501500	507000	512500	
15MHz	DFT-s-OFDM QPSK	1	1	17.08	17.12	17.03	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501000	507000	513000	
10MHz	DFT-s-OFDM QPSK	1	1	17.26	17.31	17.13	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				500500	507000	513500	
5MHz	DFT-s-OFDM QPSK	1	1	17.25	17.29	17.19	18.50

N26 DSI 2/4/5/8/9/10				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				164800	166300	167800	
				824	831.5	839	
20MHz	DFT-s-OFDM PI/2 BPSK	1	1	23.09	23.00	22.97	24.70
		1	53	23.02	22.93	22.93	24.70
		1	104	22.95	22.91	22.84	24.70
		50	0	22.47	22.51	22.39	24.20
		50	28	22.92	22.93	22.86	24.70
		50	56	22.35	22.32	22.34	24.20
		100	0	22.54	22.40	22.36	24.20
	DFT-s-OFDM QPSK	1	1	23.11	23.02	23.00	24.70
		1	53	23.03	22.96	22.94	24.70
		1	104	22.98	22.90	22.83	24.70
		50	0	22.00	21.94	21.86	23.70
		50	28	22.94	22.89	22.81	24.70
		50	56	21.87	21.82	21.85	23.70
	DFT-s-OFDM 16QAM	1	1	22.01	21.91	21.86	23.70
		1	1	20.68	20.56	20.50	22.20
1		1	18.73	18.65	18.63	20.20	
DFT-s-OFDM 256QAM	1	1	18.73	18.65	18.63	20.20	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				164800	166300	167800	
20MHz	CP-OFDM QPSK	1	1	21.82	21.70	21.64	23.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				164300	166300	168300	
15MHz	DFT-s-OFDM QPSK	1	1	23.07	22.99	23.02	24.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				163800	166300	168800	
10MHz	DFT-s-OFDM QPSK	1	1	23.15	23.04	23.06	24.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				163300	166300	169300	
5MHz	DFT-s-OFDM QPSK	1	1	23.21	23.08	23.07	24.70

N26 DSI 3				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				164800	166300	167800	
				824	831.5	839	
20MHz	DFT-s-OFDM PI/2 BPSK	1	1	22.63	22.54	22.53	24.20
		1	53	22.47	22.39	22.37	24.20
		1	104	22.39	22.39	22.30	24.20
		50	0	22.02	22.06	21.93	23.70
		50	28	22.42	22.40	22.42	24.20
		50	56	21.83	21.85	21.89	23.70
		100	0	22.06	21.87	21.83	23.70
	DFT-s-OFDM QPSK	1	1	22.57	22.51	22.50	24.20
		1	53	22.47	22.43	22.48	24.20
		1	104	22.45	22.36	22.36	24.20
		50	0	21.50	21.44	21.36	23.20
		50	28	22.43	22.43	22.35	24.20
		50	56	21.36	21.29	21.35	23.20
		100	0	21.57	21.45	21.36	23.20
	DFT-s-OFDM 16QAM	1	1	21.56	21.37	21.36	23.20
DFT-s-OFDM 64QAM	1	1	20.24	20.04	20.00	21.70	
DFT-s-OFDM 256QAM	1	1	18.27	18.15	18.14	19.70	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				164800	166300	167800	
20MHz	CP-OFDM QPSK	1	1	21.32	21.17	21.09	22.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				164300	166300	168300	
15MHz	DFT-s-OFDM QPSK	1	1	22.61	22.48	22.57	24.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				163800	166300	168800	
10MHz	DFT-s-OFDM QPSK	1	1	22.68	22.58	22.57	24.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				163300	166300	169300	
5MHz	DFT-s-OFDM QPSK	1	1	22.69	22.61	22.63	24.20

N38 DSI 2				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				518000	519000	520000	
				2590	2595	2600	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	16.40	16.42	16.43	17.50
		1	53	16.33	16.39	16.46	17.50
		1	104	16.44	16.44	16.54	17.50
		50	0	15.91	15.83	15.91	17.00
		50	28	16.29	16.27	16.36	17.50
		50	56	15.95	15.96	15.87	17.00
		100	0	15.82	15.86	15.87	17.00
	DFT-s-OFDM QPSK	1	1	16.30	16.35	16.46	17.50
		1	53	16.26	16.27	16.33	17.50
		1	104	16.47	16.44	16.55	17.50
		50	0	15.32	15.35	15.36	16.50
		50	28	16.38	16.31	16.44	17.50
		50	56	15.37	15.44	15.38	16.50
		100	0	15.39	15.36	15.37	16.50
	DFT-s-OFDM 16QAM	1	1	15.16	15.20	15.15	16.50
DFT-s-OFDM 64QAM	1	1	13.90	13.94	13.98	15.00	
DFT-s-OFDM 256QAM	1	1	12.20	12.15	12.14	13.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				518000	519000	520000	
40MHz	CP-OFDM QPSK	1	1	15.15	15.15	15.23	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				517000	519000	521000	
30MHz	DFT-s-OFDM QPSK	1	1	16.34	16.39	16.50	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				516000	519000	522000	
20MHz	DFT-s-OFDM QPSK	1	1	16.21	16.29	16.34	17.50

N38 DSI 3				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				518000	519000	520000	
				2590	2595	2600	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	14.80	14.94	14.87	16.00
		1	53	14.74	14.91	14.89	16.00
		1	104	14.89	14.97	15.04	16.00
		50	0	14.38	14.34	14.37	15.50
		50	28	14.79	14.78	14.87	16.00
		50	56	14.46	14.47	14.42	15.50
		100	0	14.36	14.35	14.31	15.50
	DFT-s-OFDM QPSK	1	1	14.79	14.85	14.93	16.00
		1	53	14.84	14.86	14.94	16.00
		1	104	14.97	14.94	15.02	16.00
		50	0	13.88	13.86	13.93	15.00
		50	28	14.89	14.80	14.96	16.00
		50	56	13.91	13.89	13.89	15.00
	DFT-s-OFDM 16QAM	1	1	13.59	13.63	13.63	15.00
	DFT-s-OFDM 64QAM	1	1	12.38	12.49	12.52	13.50
DFT-s-OFDM 256QAM	1	1	10.72	10.62	10.55	11.50	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				518000	519000	520000	
40MHz	CP-OFDM QPSK	1	1	13.66	13.67	13.65	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				517000	519000	521000	
30MHz	DFT-s-OFDM QPSK	1	1	14.83	14.91	14.93	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				516000	519000	522000	
20MHz	DFT-s-OFDM QPSK	1	1	14.76	14.75	14.89	16.00

N38 DSI 4				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				518000	519000	520000	
				2590	2595	2600	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	23.36	23.38	23.41	24.50
		1	53	23.28	23.35	23.44	24.50
		1	104	23.43	23.47	23.57	24.50
		50	0	22.88	22.89	22.90	24.00
		50	28	23.34	23.32	23.39	24.50
		50	56	22.93	22.91	22.92	24.00
		100	0	22.82	22.87	22.87	24.00
	DFT-s-OFDM QPSK	1	1	23.34	23.37	23.40	24.50
		1	53	23.30	23.33	23.39	24.50
		1	104	23.41	23.44	23.51	24.50
		50	0	22.34	22.33	22.38	23.50
		50	28	23.33	23.31	23.40	24.50
		50	56	22.42	22.38	22.42	23.50
	DFT-s-OFDM 16QAM	1	1	22.13	22.14	22.16	23.50
		DFT-s-OFDM 64QAM	1	1	20.92	20.96	21.03
DFT-s-OFDM 256QAM			1	1	19.17	19.16	19.11
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				518000	519000	520000	
40MHz	CP-OFDM QPSK	1	1	22.16	22.12	22.18	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				517000	519000	521000	
30MHz	DFT-s-OFDM QPSK	1	1	23.36	23.40	23.45	24.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				516000	519000	522000	
20MHz	DFT-s-OFDM QPSK	1	1	23.27	23.30	23.38	24.50

N38 DSI 5				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				518000	519000	520000	
				2590	2595	2600	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	18.89	18.86	18.95	20.00
		1	53	18.76	18.83	18.99	20.00
		1	104	18.97	18.97	19.12	20.00
		50	0	18.35	18.33	18.39	19.50
		50	28	18.88	18.76	18.90	20.00
		50	56	18.43	18.37	18.39	19.50
		100	0	18.35	18.31	18.39	19.50
	DFT-s-OFDM QPSK	1	1	18.88	18.83	18.95	20.00
		1	53	18.83	18.79	18.94	20.00
		1	104	18.90	18.98	19.06	20.00
		50	0	17.85	17.77	17.90	19.00
		50	28	18.85	18.75	18.92	20.00
		50	56	17.92	17.94	17.95	19.00
		100	0	17.84	17.90	17.93	19.00
	DFT-s-OFDM 16QAM	1	1	17.59	17.69	17.61	19.00
	DFT-s-OFDM 64QAM	1	1	16.39	16.40	16.57	17.50
	DFT-s-OFDM 256QAM	1	1	14.68	14.65	14.57	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				518000	519000	520000	
40MHz	CP-OFDM QPSK	1	1	17.69	17.57	17.66	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				517000	519000	521000	
30MHz	DFT-s-OFDM QPSK	1	1	18.84	18.95	18.91	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				516000	519000	522000	
20MHz	DFT-s-OFDM QPSK	1	1	18.78	18.78	18.91	20.00

N38 DSI 8/9/10				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				518000	519000	520000	
				2590	2595	2600	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	17.38	17.34	17.36	18.50
		1	53	17.25	17.41	17.45	18.50
		1	104	17.44	17.47	17.56	18.50
		50	0	16.89	16.90	16.96	18.00
		50	28	17.32	17.28	17.44	18.50
		50	56	16.98	16.95	16.91	18.00
		100	0	16.82	16.86	16.83	18.00
	DFT-s-OFDM QPSK	1	1	17.32	17.35	17.35	18.50
		1	53	17.28	17.29	17.36	18.50
		1	104	17.38	17.38	17.56	18.50
		50	0	16.33	16.32	16.40	17.50
		50	28	17.32	17.34	17.41	18.50
		50	56	16.36	16.43	16.46	17.50
	DFT-s-OFDM 16QAM	1	1	16.14	16.15	16.19	17.50
		DFT-s-OFDM 64QAM	1	1	14.94	14.94	14.98
DFT-s-OFDM 256QAM		1	1	13.15	13.10	13.09	14.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				518000	519000	520000	
40MHz	CP-OFDM QPSK	1	1	16.17	16.07	16.16	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				517000	519000	521000	
30MHz	DFT-s-OFDM QPSK	1	1	17.32	17.35	17.41	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				516000	519000	522000	
20MHz	DFT-s-OFDM QPSK	1	1	17.22	17.35	17.40	18.50

N41 DSI 4 PC2				Conducted Power(dBm)					
SCS 30kHz									
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				509202	513900	518598	523302	528000	
				2546.01	2569.5	2592.99	2616.51	2640	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	24.74	24.67	24.69	24.64	24.62	25.50
		1	137	24.56	24.59	24.58	24.52	24.76	25.50
		1	271	24.70	24.72	24.70	24.72	24.85	25.50
		135	0	21.24	21.21	21.30	21.16	21.26	22.00
		135	69	24.69	24.59	24.61	24.65	24.79	25.50
		135	138	21.26	21.23	21.24	21.27	21.12	22.00
		270	0	24.28	24.16	24.33	24.10	24.17	25.00
	DFT-s-OFDM QPSK	1	1	24.70	24.67	24.62	24.66	24.56	25.50
		1	137	24.56	24.60	24.62	24.52	24.74	25.50
		1	271	24.68	24.71	24.83	24.70	24.82	25.50
		135	0	21.24	21.15	21.24	21.19	21.20	22.00
		135	69	24.72	24.57	24.59	24.62	24.76	25.50
		135	138	21.23	21.21	21.16	21.22	21.09	22.00
		270	0	23.75	23.68	23.73	23.62	23.69	24.50
	DFT-s-OFDM 16QAM	1	1	23.49	23.46	23.52	23.44	23.42	24.50
DFT-s-OFDM 64QAM	1	1	22.24	22.22	22.28	22.14	22.16	23.00	
DFT-s-OFDM 256QAM	1	1	20.41	20.31	20.38	20.30	20.28	21.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				509202	513900	518598	523302	528000	
100MHz	CP-OFDM QPSK	1	1	23.40	23.26	23.44	23.28	23.30	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				508200	513402	518598	523800	528996	
90MHz	DFT-s-OFDM QPSK	1	1	24.74	24.68	24.59	24.68	24.58	25.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				507204	512904	518598	524298	529998	
80MHz	DFT-s-OFDM QPSK	1	1	24.72	24.70	24.63	24.67	24.59	25.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				506202	512403	518598	524799	530997	
70MHz	DFT-s-OFDM QPSK	1	1	24.74	24.73	24.66	24.70	24.59	25.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				505200	511902	518598	525300	531996	
60MHz	DFT-s-OFDM QPSK	1	1	24.77	24.72	24.70	24.77	24.64	25.50

Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				504204	511404	518598	525798	532998	
50MHz	DFT-s-OFDM QPSK	1	1	24.87	24.83	24.78	24.79	24.70	25.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				503202	510900	518598	526302	534000	
40MHz	DFT-s-OFDM QPSK	1	1	24.88	24.90	24.83	24.89	24.74	25.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				502200	510402	518598	526800	534996	
30MHz	DFT-s-OFDM QPSK	1	1	24.89	24.82	24.79	24.85	24.71	25.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				501204	509904	518598	527298	535998	
20MHz	DFT-s-OFDM QPSK	1	1	24.79	24.75	24.73	24.74	24.66	25.50

N41 DSI 5 PC2				Conducted Power(dBm)					
SCS 30kHz									
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				509202	513900	518598	523302	528000	
				2546.01	2569.5	2592.99	2616.51	2640	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	19.19	19.21	19.14	19.15	19.13	20.00
		1	137	19.08	19.05	19.11	19.02	19.32	20.00
		1	271	19.20	19.28	19.26	19.20	19.36	20.00
		135	0	15.76	15.72	15.86	15.71	15.75	16.50
		135	69	19.20	19.11	19.11	19.18	19.26	20.00
		135	138	15.79	15.78	15.79	15.73	15.66	16.50
		270	0	18.82	18.63	18.79	18.56	18.66	19.50
	DFT-s-OFDM QPSK	1	1	19.23	19.21	19.13	19.11	19.05	20.00
		1	137	19.11	19.16	19.06	19.03	19.26	20.00
		1	271	19.19	19.18	19.37	19.19	19.32	20.00
		135	0	15.73	15.59	15.78	15.74	15.76	16.50
		135	69	19.18	19.12	19.05	19.14	19.27	20.00
		135	138	15.70	15.75	15.64	15.73	15.63	16.50
		270	0	18.19	18.21	18.18	18.17	18.24	19.00
DFT-s-OFDM 16QAM	1	1	17.99	18.02	18.04	17.89	17.96	19.00	
DFT-s-OFDM 64QAM	1	1	16.79	16.68	16.79	16.59	16.61	17.50	
DFT-s-OFDM 256QAM	1	1	14.94	14.86	14.88	14.75	14.73	15.50	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				509202	513900	518598	523302	528000	
100MHz	CP-OFDM QPSK	1	1	17.90	17.75	18.00	17.78	17.82	18.50

Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				508200	513402	518598	523800	528996	
90MHz	DFT-s-OFDM QPSK	1	1	19.21	19.16	19.08	19.14	19.10	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				507204	512904	518598	524298	529998	
80MHz	DFT-s-OFDM QPSK	1	1	19.28	19.19	19.18	19.22	19.14	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				506202	512403	518598	524799	530997	
70MHz	DFT-s-OFDM QPSK	1	1	19.21	19.22	19.21	19.16	19.09	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				505200	511902	518598	525300	531996	
60MHz	DFT-s-OFDM QPSK	1	1	19.27	19.20	19.18	19.30	19.17	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				504204	511404	518598	525798	532998	
50MHz	DFT-s-OFDM QPSK	1	1	19.38	19.34	19.24	19.30	19.25	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				503202	510900	518598	526302	534000	
40MHz	DFT-s-OFDM QPSK	1	1	19.44	19.46	19.33	19.40	19.18	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				502200	510402	518598	526800	534996	
30MHz	DFT-s-OFDM QPSK	1	1	19.39	19.27	19.27	19.37	19.21	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				501204	509904	518598	527298	535998	
20MHz	DFT-s-OFDM QPSK	1	1	19.29	19.26	19.23	19.23	19.20	20.00

N41 DSI 8/9/10 PC2				Conducted Power(dBm)					
SCS 30kHz									
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				509202	513900	518598	523302	528000	
				2546.01	2569.5	2592.99	2616.51	2640	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	17.69	17.62	17.60	17.49	17.54	18.50
		1	137	17.47	17.46	17.47	17.47	17.63	18.50
		1	271	17.58	17.61	17.66	17.58	17.77	18.50
		135	0	14.19	14.05	14.26	14.10	14.16	15.00
		135	69	17.64	17.50	17.57	17.49	17.68	18.50
		135	138	14.15	14.10	14.08	14.19	14.02	15.00
		270	0	17.22	17.01	17.28	17.03	17.13	18.00
	DFT-s-OFDM QPSK	1	1	17.58	17.56	17.55	17.50	17.50	18.50
		1	137	17.42	17.52	17.55	17.41	17.64	18.50
		1	271	17.64	17.65	17.76	17.54	17.66	18.50
		135	0	14.18	14.03	14.18	14.05	14.04	15.00
		135	69	17.65	17.41	17.54	17.55	17.60	18.50
		135	138	14.16	14.15	14.09	14.07	13.96	15.00
		270	0	16.68	16.56	16.67	16.53	16.56	17.50
	DFT-s-OFDM 16QAM	1	1	16.36	16.34	16.39	16.34	16.28	17.50
	DFT-s-OFDM 64QAM	1	1	15.13	15.09	15.12	15.06	15.01	16.00
	DFT-s-OFDM 256QAM	1	1	13.30	13.16	13.27	13.26	13.17	14.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
100MHz	CP-OFDM QPSK	1	1	16.28	16.13	16.29	16.22	16.26	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	17.58	17.61	17.53	17.52	17.44	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	17.64	17.58	17.50	17.58	17.43	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
70MHz	DFT-s-OFDM QPSK	1	1	17.64	17.68	17.56	17.61	17.52	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	17.67	17.65	17.63	17.62	17.57	18.50

Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				504204	511404	518598	525798	532998	
50MHz	DFT-s-OFDM QPSK	1	1	17.72	17.72	17.73	17.72	17.61	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				503202	510900	518598	526302	534000	
40MHz	DFT-s-OFDM QPSK	1	1	17.72	17.83	17.71	17.81	17.66	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				502200	510402	518598	526800	534996	
30MHz	DFT-s-OFDM QPSK	1	1	17.83	17.78	17.74	17.81	17.62	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				501204	509904	518598	527298	535998	
20MHz	DFT-s-OFDM QPSK	1	1	17.70	17.68	17.65	17.62	17.59	18.50

N41 DSI 2 PC2				Conducted Power(dBm)					
SCS 30kHz									
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				509202	513900	518598	523302	528000	
				2546.01	2569.5	2592.99	2616.51	2640	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	16.54	16.43	16.45	16.45	16.48	17.50
		1	137	16.35	16.43	16.38	16.28	16.51	17.50
		1	271	16.53	16.46	16.52	16.48	16.71	17.50
		135	0	13.09	13.03	13.10	12.90	13.01	14.00
		135	69	16.51	16.43	16.37	16.45	16.64	17.50
		135	138	13.04	12.97	13.01	13.12	12.98	14.00
	DFT-s-OFDM QPSK	270	0	16.08	15.95	16.14	15.96	15.98	17.00
		1	1	16.44	16.49	16.42	16.41	16.32	17.50
		1	137	16.36	16.38	16.46	16.34	16.48	17.50
		1	271	16.45	16.48	16.68	16.54	16.61	17.50
		135	0	13.10	12.92	13.00	12.99	13.03	14.00
		135	69	16.57	16.36	16.45	16.47	16.50	17.50
	DFT-s-OFDM 16QAM	135	138	13.08	12.97	12.97	13.01	12.89	14.00
		270	0	15.49	15.52	15.57	15.37	15.52	16.50
		1	1	15.28	15.31	15.37	15.18	15.24	16.50
DFT-s-OFDM 64QAM	1	1	14.03	14.05	14.08	13.90	14.02	15.00	
	1	1	12.18	12.08	12.24	12.08	12.09	13.00	
DFT-s-OFDM 256QAM	1	1	12.18	12.08	12.24	12.08	12.09	13.00	
	1	1	12.18	12.08	12.24	12.08	12.09	13.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				509202	513900	518598	523302	528000	
100MHz	CP-OFDM QPSK	1	1	15.19	15.11	15.25	15.14	15.16	16.00

Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				508200	513402	518598	523800	528996	
90MHz	DFT-s-OFDM QPSK	1	1	16.52	16.48	16.35	16.43	16.32	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				507204	512904	518598	524298	529998	
80MHz	DFT-s-OFDM QPSK	1	1	16.57	16.54	16.48	16.44	16.33	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				506202	512403	518598	524799	530997	
70MHz	DFT-s-OFDM QPSK	1	1	16.51	16.53	16.45	16.48	16.37	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				505200	511902	518598	525300	531996	
60MHz	DFT-s-OFDM QPSK	1	1	16.57	16.55	16.55	16.59	16.41	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				504204	511404	518598	525798	532998	
50MHz	DFT-s-OFDM QPSK	1	1	16.65	16.64	16.62	16.59	16.50	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				503202	510900	518598	526302	534000	
40MHz	DFT-s-OFDM QPSK	1	1	16.68	16.66	16.65	16.72	16.50	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				502200	510402	518598	526800	534996	
30MHz	DFT-s-OFDM QPSK	1	1	16.63	16.65	16.65	16.60	16.54	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				501204	509904	518598	527298	535998	
20MHz	DFT-s-OFDM QPSK	1	1	16.58	16.58	16.59	16.60	16.47	17.50

				504204	511404	518598	525798	532998	
50MHz	DFT-s-OFDM QPSK	1	1	16.16	16.14	16.05	16.10	15.97	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				503202	510900	518598	526302	534000	
40MHz	DFT-s-OFDM QPSK	1	1	16.21	16.20	16.13	16.24	16.05	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				502200	510402	518598	526800	534996	
30MHz	DFT-s-OFDM QPSK	1	1	16.24	16.14	16.05	16.17	16.00	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				501204	509904	518598	527298	535998	
20MHz	DFT-s-OFDM QPSK	1	1	16.05	16.02	16.07	16.00	16.01	17.00

N41 DSI 4 PC3				Conducted Power(dBm)					
SCS 30kHz									
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				509202	513900	518598	523302	528000	
				2546.01	2569.5	2592.99	2616.51	2640	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	22.62	22.81	22.73	22.66	22.74	24.00
		1	137	22.78	22.94	22.75	22.67	22.82	24.00
		1	271	22.79	22.91	22.89	22.82	22.82	24.00
		135	0	22.28	22.30	22.34	22.26	22.40	23.50
		135	69	22.81	22.69	22.80	22.66	22.77	24.00
		135	138	22.17	22.23	22.23	22.26	22.23	23.50
		270	0	22.20	22.17	22.26	22.25	22.35	23.50
	DFT-s-OFDM QPSK	1	1	22.62	22.79	22.72	22.62	22.76	24.00
		1	137	22.78	22.88	22.78	22.66	22.84	24.00
		1	271	22.82	22.86	22.91	22.76	22.87	24.00
		135	0	21.76	21.77	21.85	21.76	21.85	23.00
		135	69	22.77	22.73	22.82	22.68	22.81	24.00
		135	138	21.74	21.75	21.79	21.79	21.80	23.00
		270	0	21.75	21.71	21.81	21.70	21.84	23.00
	DFT-s-OFDM 16QAM	1	1	21.59	21.60	21.64	21.66	21.63	23.00
DFT-s-OFDM 64QAM	1	1	20.08	20.12	20.19	20.21	20.14	21.50	
DFT-s-OFDM 256QAM	1	1	18.02	18.04	18.12	18.15	18.21	19.50	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				509202	513900	518598	523302	528000	
100MHz	CP-OFDM QPSK	1	1	21.10	21.13	21.15	21.23	21.10	22.50

Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				508200	513402	518598	523800	528996	
90MHz	DFT-s-OFDM QPSK	1	1	22.51	22.62	22.58	22.45	22.62	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				507204	512904	518598	524298	529998	
80MHz	DFT-s-OFDM QPSK	1	1	22.65	22.83	22.77	22.65	22.83	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				506202	512403	518598	524799	530997	
70MHz	DFT-s-OFDM QPSK	1	1	22.73	22.88	22.80	22.71	22.86	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				505200	511902	518598	525300	531996	
60MHz	DFT-s-OFDM QPSK	1	1	22.74	22.88	22.84	22.74	22.85	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				504204	511404	518598	525798	532998	
50MHz	DFT-s-OFDM QPSK	1	1	22.74	22.89	22.82	22.73	22.88	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				503202	510900	518598	526302	534000	
40MHz	DFT-s-OFDM QPSK	1	1	22.80	23.01	22.92	22.84	22.93	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				502200	510402	518598	526800	534996	
30MHz	DFT-s-OFDM QPSK	1	1	22.86	23.02	22.95	22.82	22.97	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				501204	509904	518598	527298	535998	
20MHz	DFT-s-OFDM QPSK	1	1	22.86	23.01	22.86	22.87	23.02	24.00

N41 DSI 5 PC3				Conducted Power(dBm)					
SCS 30kHz									
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				509202	513900	518598	523302	528000	
				2546.01	2569.5	2592.99	2616.51	2640	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	18.56	18.78	18.69	18.68	18.66	20.00
		1	137	18.80	18.85	18.69	18.65	18.75	20.00
		1	271	18.71	18.84	18.90	18.83	18.74	20.00
		135	0	18.27	18.28	18.36	18.18	18.38	19.50
		135	69	18.77	18.67	18.81	18.68	18.79	20.00
		135	138	18.13	18.16	18.14	18.19	18.15	19.50
	DFT-s-OFDM QPSK	270	0	18.17	18.19	18.21	18.16	18.26	19.50
		1	1	18.55	18.72	18.63	18.56	18.73	20.00
		1	137	18.69	18.87	18.69	18.66	18.85	20.00
		1	271	18.78	18.84	18.83	18.75	18.89	20.00
		135	0	17.76	17.73	17.77	17.71	17.80	19.00
		135	69	18.74	18.65	18.82	18.70	18.78	20.00
	DFT-s-OFDM 16QAM	135	138	17.75	17.76	17.71	17.71	17.80	19.00
		270	0	17.71	17.71	17.76	17.70	17.86	19.00
		DFT-s-OFDM 64QAM	1	1	17.56	17.59	17.56	17.66	17.54
DFT-s-OFDM 256QAM	1	1	16.09	16.06	16.21	16.19	16.11	17.50	
DFT-s-OFDM 256QAM	1	1	13.94	14.00	14.12	14.12	14.21	15.50	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
100MHz	CP-OFDM QPSK	1	1	509202	513900	518598	523302	528000	18.50
				508200	513402	518598	523800	528996	
90MHz	DFT-s-OFDM QPSK	1	1	18.47	18.53	18.56	18.44	18.56	20.00
				507204	512904	518598	524298	529998	
80MHz	DFT-s-OFDM QPSK	1	1	18.61	18.82	18.76	18.63	18.79	20.00
				506202	512403	518598	524799	530997	
70MHz	DFT-s-OFDM QPSK	1	1	18.65	18.87	18.81	18.62	18.83	20.00
				505200	511902	518598	525300	531996	
60MHz	DFT-s-OFDM QPSK	1	1	18.65	18.80	18.82	18.65	18.76	20.00
				504204	511404	518598	525798	532998	

50MHz	DFT-s-OFDM QPSK	1	1	18.65	18.82	18.74	18.69	18.85	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				503202	510900	518598	526302	534000	
40MHz	DFT-s-OFDM QPSK	1	1	18.78	18.97	18.83	18.77	18.93	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				502200	510402	518598	526800	534996	
30MHz	DFT-s-OFDM QPSK	1	1	18.87	18.96	18.91	18.79	18.99	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				501204	509904	518598	527298	535998	
20MHz	DFT-s-OFDM QPSK	1	1	18.82	18.97	18.86	18.84	18.97	20.00

N41 DSI 8/9/10 PC3				Conducted Power(dBm)					
SCS 30kHz									
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				509202	513900	518598	523302	528000	
				2546.01	2569.5	2592.99	2616.51	2640	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	16.97	17.25	17.09	17.05	17.17	18.50
		1	137	17.21	17.31	17.17	17.05	17.23	18.50
		1	271	17.16	17.27	17.33	17.22	17.21	18.50
		135	0	16.72	16.69	16.75	16.71	16.76	18.00
		135	69	17.26	17.10	17.21	17.12	17.18	18.50
		135	138	16.61	16.69	16.68	16.63	16.68	18.00
		270	0	16.65	16.52	16.71	16.60	16.70	18.00
	DFT-s-OFDM QPSK	1	1	17.00	17.14	17.07	17.03	17.11	18.50
		1	137	17.19	17.30	17.20	17.11	17.29	18.50
		1	271	17.22	17.23	17.27	17.11	17.28	18.50
		135	0	16.22	16.23	16.26	16.12	16.26	17.50
		135	69	17.18	17.14	17.20	17.03	17.22	18.50
		135	138	16.18	16.12	16.16	16.15	16.26	17.50
		270	0	16.16	16.13	16.24	16.14	16.24	17.50
	DFT-s-OFDM 16QAM	1	1	16.00	16.05	16.04	16.06	16.05	17.50
DFT-s-OFDM 64QAM	1	1	14.50	14.53	14.61	14.59	14.53	16.00	
DFT-s-OFDM 256QAM	1	1	12.48	12.48	12.55	12.52	12.57	14.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				509202	513900	518598	523302	528000	
100MHz	CP-OFDM QPSK	1	1	15.49	15.48	15.58	15.59	15.55	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				508200	513402	518598	523800	528996	

90MHz	DFT-s-OFDM QPSK	1	1	16.88	17.03	17.00	16.80	17.04	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				507204	512904	518598	524298	529998	
80MHz	DFT-s-OFDM QPSK	1	1	17.07	17.18	17.23	17.11	17.20	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				506202	512403	518598	524799	530997	
70MHz	DFT-s-OFDM QPSK	1	1	17.16	17.27	17.22	17.14	17.28	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				505200	511902	518598	525300	531996	
60MHz	DFT-s-OFDM QPSK	1	1	17.13	17.25	17.21	17.13	17.29	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				504204	511404	518598	525798	532998	
50MHz	DFT-s-OFDM QPSK	1	1	17.18	17.34	17.18	17.16	17.23	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				503202	510900	518598	526302	534000	
40MHz	DFT-s-OFDM QPSK	1	1	17.22	17.36	17.33	17.23	17.31	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				502200	510402	518598	526800	534996	
30MHz	DFT-s-OFDM QPSK	1	1	17.27	17.42	17.30	17.21	17.39	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				501204	509904	518598	527298	535998	
20MHz	DFT-s-OFDM QPSK	1	1	17.23	17.45	17.29	17.33	17.48	18.50