

8 CONDUCTED RF OUPUT POWER

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8.2 WCDMA Output Power

WCDMA						
WCDMA B2	ANT	DSI State	Output power(dBm)			Tune-up Limit Power(dBm)
Channel			9262	9400	9538	
AMR	ANT0	Full Power&DSI1&2&3&4&5&6	23.36	23.30	23.33	23.50
RMC	ANT0	Full Power&DSI1&2&3&4&5&6	23.36	23.41	23.40	23.50
HSDPA Subtest-1	ANT0	Full Power&DSI1&2&3&4&5&6	22.17	22.33	22.30	23.00
HSDPA Subtest-2	ANT0	Full Power&DSI1&2&3&4&5&6	22.34	22.45	22.65	23.00
HSDPA Subtest-3	ANT0	Full Power&DSI1&2&3&4&5&6	21.91	21.86	21.93	23.00
HSDPA Subtest-4	ANT0	Full Power&DSI1&2&3&4&5&6	21.68	21.87	22.03	23.00
DC-HSDPA Subtest-1	ANT0	Full Power&DSI1&2&3&4&5&6	21.98	22.51	22.12	23.00
DC-HSDPA Subtest-2	ANT0	Full Power&DSI1&2&3&4&5&6	22.15	22.61	22.74	23.00
DC-HSDPA Subtest-3	ANT0	Full Power&DSI1&2&3&4&5&6	21.82	21.92	21.89	23.00
DC-HSDPA Subtest-4	ANT0	Full Power&DSI1&2&3&4&5&6	21.63	21.95	22.14	23.00
HSUPA Subtest-1	ANT0	Full Power&DSI1&2&3&4&5&6	22.45	22.46	22.48	22.50
HSUPA Subtest-2	ANT0	Full Power&DSI1&2&3&4&5&6	20.59	20.53	20.69	22.50
HSUPA Subtest-3	ANT0	Full Power&DSI1&2&3&4&5&6	21.46	21.45	21.33	22.50
HSUPA Subtest-4	ANT0	Full Power&DSI1&2&3&4&5&6	20.52	20.65	20.54	22.50
HSUPA Subtest-5	ANT0	Full Power&DSI1&2&3&4&5&6	21.30	21.45	21.41	21.50
HSPA+	ANT0	Full Power&DSI1&2&3&4&5&6	20.57	20.61	20.54	22.50

WCDMA						
WCDMA B4	ANT	DSI State	Output power(dBm)			Tune-up Limit Power(dBm)
Channel			1312	1412	1513	
AMR	ANT0	Full Power&DSI1&2&4&5&6	23.20	23.23	23.18	23.50
RMC	ANT0	Full Power&DSI1&2&4&5&6	23.27	23.33	23.29	23.50
HSDPA Subtest-1	ANT0	Full Power&DSI1&2&4&5&6	22.41	22.32	22.26	23.00
HSDPA Subtest-2	ANT0	Full Power&DSI1&2&4&5&6	22.35	22.41	22.24	23.00
HSDPA Subtest-3	ANT0	Full Power&DSI1&2&4&5&6	21.88	21.75	21.67	23.00
HSDPA Subtest-4	ANT0	Full Power&DSI1&2&4&5&6	21.89	21.71	21.58	23.00
DC-HSDPA Subtest-1	ANT0	Full Power&DSI1&2&4&5&6	22.59	22.49	22.45	23.00
DC-HSDPA Subtest-2	ANT0	Full Power&DSI1&2&4&5&6	22.39	22.31	22.32	23.00
DC-HSDPA Subtest-3	ANT0	Full Power&DSI1&2&4&5&6	22.06	21.67	21.73	23.00
DC-HSDPA Subtest-4	ANT0	Full Power&DSI1&2&4&5&6	21.97	21.87	21.66	23.00
HSUPA Subtest-1	ANT0	Full Power&DSI1&2&4&5&6	22.27	22.39	22.39	22.50
HSUPA Subtest-2	ANT0	Full Power&DSI1&2&4&5&6	20.63	20.53	20.62	22.50
HSUPA Subtest-3	ANT0	Full Power&DSI1&2&4&5&6	21.56	21.43	21.25	22.50
HSUPA Subtest-4	ANT0	Full Power&DSI1&2&4&5&6	20.65	20.56	20.69	22.50
HSUPA Subtest-5	ANT0	Full Power&DSI1&2&4&5&6	21.45	21.48	21.43	21.50
HSPA+	ANT0	Full Power&DSI1&2&4&5&6	20.66	20.71	20.61	22.50

WCDMA						
WCDMA B5	ANT	DSI State	Output power(dBm)			Tune-up Limit Power(dBm)
Channel			4132	4183	4233	
AMR	ANT0	Full Power&DSI1&2&3&4&5&6	23.24	23.27	23.27	23.50
RMC	ANT0	Full Power&DSI1&2&3&4&5&6	23.31	23.36	23.31	23.50
HSDPA Subtest-1	ANT0	Full Power&DSI1&2&3&4&5&6	22.33	22.32	22.34	23.00
HSDPA Subtest-2	ANT0	Full Power&DSI1&2&3&4&5&6	22.34	22.36	22.35	23.00
HSDPA Subtest-3	ANT0	Full Power&DSI1&2&3&4&5&6	21.97	21.85	21.84	23.00
HSDPA Subtest-4	ANT0	Full Power&DSI1&2&3&4&5&6	21.82	21.84	21.68	23.00
DC-HSDPA Subtest-1	ANT0	Full Power&DSI1&2&3&4&5&6	22.24	22.14	22.27	23.00
DC-HSDPA Subtest-2	ANT0	Full Power&DSI1&2&3&4&5&6	22.43	22.33	22.34	23.00
DC-HSDPA Subtest-3	ANT0	Full Power&DSI1&2&3&4&5&6	22.11	21.97	21.74	23.00
DC-HSDPA Subtest-4	ANT0	Full Power&DSI1&2&3&4&5&6	21.65	21.68	21.76	23.00
HSUPA Subtest-1	ANT0	Full Power&DSI1&2&3&4&5&6	22.31	22.35	22.41	22.50
HSUPA Subtest-2	ANT0	Full Power&DSI1&2&3&4&5&6	20.62	20.55	20.63	22.50
HSUPA Subtest-3	ANT0	Full Power&DSI1&2&3&4&5&6	21.25	21.38	21.47	22.50
HSUPA Subtest-4	ANT0	Full Power&DSI1&2&3&4&5&6	20.59	20.59	20.71	22.50
HSUPA Subtest-5	ANT0	Full Power&DSI1&2&3&4&5&6	21.44	21.47	21.48	21.50
HSPA+	ANT0	Full Power&DSI1&2&3&4&5&6	20.53	20.68	20.55	22.50

WCDMA						
WCDMA B2	ANT	DSI State	Output power(dBm)			Tune-up Limit Power(dBm)
Channel			9262	9400	9538	
AMR	ANT0	Full Power&DSI1&2&3&4&5&6	23.36	23.30	23.33	23.50
RMC	ANT0	Full Power&DSI1&2&3&4&5&6	23.36	23.41	23.40	23.50
HSDPA Subtest-1	ANT0	Full Power&DSI1&2&3&4&5&6	22.17	22.33	22.30	23.00
HSDPA Subtest-2	ANT0	Full Power&DSI1&2&3&4&5&6	22.34	22.45	22.65	23.00
HSDPA Subtest-3	ANT0	Full Power&DSI1&2&3&4&5&6	21.91	21.86	21.93	23.00
HSDPA Subtest-4	ANT0	Full Power&DSI1&2&3&4&5&6	21.68	21.87	22.03	23.00
DC-HSDPA Subtest-1	ANT0	Full Power&DSI1&2&3&4&5&6	21.98	22.51	22.12	23.00
DC-HSDPA Subtest-2	ANT0	Full Power&DSI1&2&3&4&5&6	22.15	22.61	22.74	23.00
DC-HSDPA Subtest-3	ANT0	Full Power&DSI1&2&3&4&5&6	21.82	21.92	21.89	23.00
DC-HSDPA Subtest-4	ANT0	Full Power&DSI1&2&3&4&5&6	21.63	21.95	22.14	23.00
HSUPA Subtest-1	ANT0	Full Power&DSI1&2&3&4&5&6	22.45	22.46	22.48	22.50
HSUPA Subtest-2	ANT0	Full Power&DSI1&2&3&4&5&6	20.59	20.53	20.69	22.50
HSUPA Subtest-3	ANT0	Full Power&DSI1&2&3&4&5&6	21.46	21.45	21.33	22.50
HSUPA Subtest-4	ANT0	Full Power&DSI1&2&3&4&5&6	20.52	20.65	20.54	22.50
HSUPA Subtest-5	ANT0	Full Power&DSI1&2&3&4&5&6	21.30	21.45	21.41	21.50
HSPA+	ANT0	Full Power&DSI1&2&3&4&5&6	20.57	20.61	20.54	22.50

WCDMA						
WCDMA B4	ANT	DSI State	Output power(dBm)			Tune-up Limit Power(dBm)
Channel			1312	1412	1513	
AMR	ANT0	DSI3	22.71	22.71	22.70	23.50
RMC	ANT0	DSI3	22.80	22.79	22.76	23.50
HSDPA Subtest-1	ANT0	DSI3	22.38	22.27	22.28	23.00
HSDPA Subtest-2	ANT0	DSI3	22.37	22.43	22.23	23.00
HSDPA Subtest-3	ANT0	DSI3	21.89	21.79	21.67	23.00
HSDPA Subtest-4	ANT0	DSI3	21.91	21.70	21.63	23.00
DC-HSDPA Subtest-1	ANT0	DSI3	22.59	22.49	22.47	23.00
DC-HSDPA Subtest-2	ANT0	DSI3	22.40	22.30	22.36	23.00
DC-HSDPA Subtest-3	ANT0	DSI3	22.09	21.71	21.71	23.00
DC-HSDPA Subtest-4	ANT0	DSI3	22.01	21.87	21.63	23.00
HSUPA Subtest-1	ANT0	DSI3	22.25	22.37	22.38	22.50
HSUPA Subtest-2	ANT0	DSI3	20.63	20.51	20.57	22.50
HSUPA Subtest-3	ANT0	DSI3	21.60	21.42	21.21	22.50
HSUPA Subtest-4	ANT0	DSI3	20.65	20.60	20.70	22.50
HSUPA Subtest-5	ANT0	DSI3	21.44	21.49	21.48	21.50
HSPA+	ANT0	DSI3	20.68	20.68	20.56	22.50

WCDMA						
WCDMA B5	ANT	DSI State	Output power(dBm)			Tune-up Limit Power(dBm)
Channel			4132	4183	4233	
AMR	ANT0	Full Power&DSI1&2&3&4&5&6	23.24	23.27	23.27	23.50
RMC	ANT0	Full Power&DSI1&2&3&4&5&6	23.31	23.36	23.31	23.50
HSDPA Subtest-1	ANT0	Full Power&DSI1&2&3&4&5&6	22.33	22.32	22.34	23.00
HSDPA Subtest-2	ANT0	Full Power&DSI1&2&3&4&5&6	22.34	22.36	22.35	23.00
HSDPA Subtest-3	ANT0	Full Power&DSI1&2&3&4&5&6	21.97	21.85	21.84	23.00
HSDPA Subtest-4	ANT0	Full Power&DSI1&2&3&4&5&6	21.82	21.84	21.68	23.00
DC-HSDPA Subtest-1	ANT0	Full Power&DSI1&2&3&4&5&6	22.24	22.14	22.27	23.00
DC-HSDPA Subtest-2	ANT0	Full Power&DSI1&2&3&4&5&6	22.43	22.33	22.34	23.00
DC-HSDPA Subtest-3	ANT0	Full Power&DSI1&2&3&4&5&6	22.11	21.97	21.74	23.00
DC-HSDPA Subtest-4	ANT0	Full Power&DSI1&2&3&4&5&6	21.65	21.68	21.76	23.00
HSUPA Subtest-1	ANT0	Full Power&DSI1&2&3&4&5&6	22.31	22.35	22.41	22.50
HSUPA Subtest-2	ANT0	Full Power&DSI1&2&3&4&5&6	20.62	20.55	20.63	22.50
HSUPA Subtest-3	ANT0	Full Power&DSI1&2&3&4&5&6	21.25	21.38	21.47	22.50
HSUPA Subtest-4	ANT0	Full Power&DSI1&2&3&4&5&6	20.59	20.59	20.71	22.50
HSUPA Subtest-5	ANT0	Full Power&DSI1&2&3&4&5&6	21.44	21.47	21.48	21.50
HSPA+	ANT0	Full Power&DSI1&2&3&4&5&6	20.53	20.68	20.55	22.50

8.3 LTE Output Power

Band				LTE Band2					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18607	18900	19185	Tune-up power(dBm)
1.4	QPSK	1	0	ANT0	Full Power&DSI4&5&6	23.73	24.06	23.87	24.50
1.4	QPSK	1	2	ANT0	Full Power&DSI4&5&6	23.86	23.92	23.99	24.50
1.4	QPSK	1	5	ANT0	Full Power&DSI4&5&6	23.72	23.98	23.94	24.50
1.4	QPSK	3	0	ANT0	Full Power&DSI4&5&6	23.90	23.75	23.98	24.50
1.4	QPSK	3	1	ANT0	Full Power&DSI4&5&6	23.92	23.95	24.11	24.50
1.4	QPSK	3	3	ANT0	Full Power&DSI4&5&6	23.87	24.03	23.85	24.50
1.4	QPSK	6	0	ANT0	Full Power&DSI4&5&6	22.86	22.84	23.15	23.50
1.4	16QAM	1	0	ANT0	Full Power&DSI4&5&6	23.34	23.16	23.28	23.50
1.4	16QAM	1	2	ANT0	Full Power&DSI4&5&6	23.28	23.31	22.95	23.50
1.4	16QAM	1	5	ANT0	Full Power&DSI4&5&6	23.18	23.32	22.95	23.50
1.4	16QAM	3	0	ANT0	Full Power&DSI4&5&6	22.85	23.05	22.97	23.50
1.4	16QAM	3	1	ANT0	Full Power&DSI4&5&6	22.88	23.01	23.16	23.50
1.4	16QAM	3	3	ANT0	Full Power&DSI4&5&6	22.88	22.97	23.11	23.50
1.4	16QAM	6	0	ANT0	Full Power&DSI4&5&6	21.96	21.86	21.98	22.50
1.4	64QAM	1	0	ANT0	Full Power&DSI4&5&6	22.24	22.42	22.21	22.50
1.4	64QAM	1	2	ANT0	Full Power&DSI4&5&6	22.43	22.35	22.18	22.50
1.4	64QAM	1	5	ANT0	Full Power&DSI4&5&6	22.22	22.43	22.17	22.50
1.4	64QAM	3	0	ANT0	Full Power&DSI4&5&6	21.94	22.13	21.98	22.50
1.4	64QAM	3	1	ANT0	Full Power&DSI4&5&6	22.05	22.03	22.18	22.50
1.4	64QAM	3	3	ANT0	Full Power&DSI4&5&6	22.13	22.02	21.94	22.50
1.4	64QAM	6	0	ANT0	Full Power&DSI4&5&6	20.98	20.66	21.06	21.50
1.4	256QAM	1	0	ANT0	Full Power&DSI4&5&6	18.98	19.32	19.02	19.50
1.4	256QAM	1	2	ANT0	Full Power&DSI4&5&6	19.42	19.37	19.05	19.50
1.4	256QAM	1	5	ANT0	Full Power&DSI4&5&6	19.40	19.49	19.13	19.50
1.4	256QAM	3	0	ANT0	Full Power&DSI4&5&6	18.88	19.19	19.08	19.50
1.4	256QAM	3	1	ANT0	Full Power&DSI4&5&6	18.94	19.30	19.03	19.50
1.4	256QAM	3	3	ANT0	Full Power&DSI4&5&6	19.05	19.14	18.96	19.50
1.4	256QAM	6	0	ANT0	Full Power&DSI4&5&6	18.91	18.99	19.10	19.50

Band				LTE Band2					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18615	18900	19175	Tune-up power(dBm)
3	QPSK	1	0	ANT0	Full Power&DSI4&5&6	23.81	23.85	23.74	24.50
3	QPSK	1	7	ANT0	Full Power&DSI4&5&6	23.90	23.97	23.83	24.50
3	QPSK	1	14	ANT0	Full Power&DSI4&5&6	23.73	23.90	23.98	24.50
3	QPSK	8	0	ANT0	Full Power&DSI4&5&6	23.01	23.00	22.89	23.50
3	QPSK	8	3	ANT0	Full Power&DSI4&5&6	23.08	22.99	22.98	23.50
3	QPSK	8	7	ANT0	Full Power&DSI4&5&6	22.94	23.18	22.86	23.50
3	QPSK	15	0	ANT0	Full Power&DSI4&5&6	22.89	22.95	23.01	23.50
3	16QAM	1	0	ANT0	Full Power&DSI4&5&6	23.15	23.34	23.02	23.50
3	16QAM	1	7	ANT0	Full Power&DSI4&5&6	23.39	23.45	23.05	23.50
3	16QAM	1	14	ANT0	Full Power&DSI4&5&6	23.15	23.23	23.15	23.50
3	16QAM	8	0	ANT0	Full Power&DSI4&5&6	21.84	21.91	21.83	22.50
3	16QAM	8	3	ANT0	Full Power&DSI4&5&6	21.96	21.99	21.93	22.50
3	16QAM	8	7	ANT0	Full Power&DSI4&5&6	21.87	21.93	22.07	22.50
3	16QAM	15	0	ANT0	Full Power&DSI4&5&6	22.01	21.94	21.95	22.50
3	64QAM	1	0	ANT0	Full Power&DSI4&5&6	22.07	22.34	22.25	22.50
3	64QAM	1	7	ANT0	Full Power&DSI4&5&6	22.36	22.39	21.99	22.50
3	64QAM	1	14	ANT0	Full Power&DSI4&5&6	22.36	22.43	22.12	22.50
3	64QAM	8	0	ANT0	Full Power&DSI4&5&6	21.22	20.90	20.91	21.50
3	64QAM	8	3	ANT0	Full Power&DSI4&5&6	21.13	21.00	21.09	21.50
3	64QAM	8	7	ANT0	Full Power&DSI4&5&6	21.26	20.94	21.16	21.50
3	64QAM	15	0	ANT0	Full Power&DSI4&5&6	21.03	20.70	21.07	21.50
3	256QAM	1	0	ANT0	Full Power&DSI4&5&6	19.13	19.44	19.11	19.50
3	256QAM	1	7	ANT0	Full Power&DSI4&5&6	19.17	19.45	19.11	19.50
3	256QAM	1	14	ANT0	Full Power&DSI4&5&6	19.20	19.29	19.32	19.50
3	256QAM	8	0	ANT0	Full Power&DSI4&5&6	18.93	19.17	19.09	19.50
3	256QAM	8	3	ANT0	Full Power&DSI4&5&6	18.83	19.27	18.99	19.50
3	256QAM	8	7	ANT0	Full Power&DSI4&5&6	19.04	19.32	19.06	19.50
3	256QAM	15	0	ANT0	Full Power&DSI4&5&6	18.89	18.82	19.16	19.50

Band				LTE Band2					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18625	18900	19175	Tune-up power(dBm)
5	QPSK	1	0	ANT0	Full Power&DSI4&S&6	23.76	23.87	23.83	24.50
5	QPSK	1	12	ANT0	Full Power&DSI4&S&6	23.83	23.97	23.84	24.50
5	QPSK	1	24	ANT0	Full Power&DSI4&S&6	23.90	23.76	24.01	24.50
5	QPSK	12	0	ANT0	Full Power&DSI4&S&6	23.05	23.00	22.94	23.50
5	QPSK	12	6	ANT0	Full Power&DSI4&S&6	23.05	22.97	23.08	23.50
5	QPSK	12	13	ANT0	Full Power&DSI4&S&6	22.90	23.06	23.12	23.50
5	QPSK	25	0	ANT0	Full Power&DSI4&S&6	22.94	22.99	23.06	23.50
5	16QAM	1	0	ANT0	Full Power&DSI4&S&6	23.21	23.26	23.11	23.50
5	16QAM	1	12	ANT0	Full Power&DSI4&S&6	23.31	23.34	23.04	23.50
5	16QAM	1	24	ANT0	Full Power&DSI4&S&6	23.10	23.37	22.90	23.50
5	16QAM	12	0	ANT0	Full Power&DSI4&S&6	21.97	21.97	22.04	22.50
5	16QAM	12	6	ANT0	Full Power&DSI4&S&6	21.91	21.89	22.04	22.50
5	16QAM	12	13	ANT0	Full Power&DSI4&S&6	21.87	22.05	22.15	22.50
5	16QAM	25	0	ANT0	Full Power&DSI4&S&6	22.07	21.88	21.89	22.50
5	64QAM	1	0	ANT0	Full Power&DSI4&S&6	22.23	22.36	22.23	22.50
5	64QAM	1	12	ANT0	Full Power&DSI4&S&6	22.32	22.31	21.98	22.50
5	64QAM	1	24	ANT0	Full Power&DSI4&S&6	22.23	22.45	22.11	22.50
5	64QAM	12	0	ANT0	Full Power&DSI4&S&6	21.05	21.13	21.00	21.50
5	64QAM	12	6	ANT0	Full Power&DSI4&S&6	21.14	20.89	21.19	21.50
5	64QAM	12	13	ANT0	Full Power&DSI4&S&6	21.26	20.95	20.96	21.50
5	64QAM	25	0	ANT0	Full Power&DSI4&S&6	21.05	20.92	21.09	21.50
5	256QAM	1	0	ANT0	Full Power&DSI4&S&6	19.11	19.35	19.06	19.50
5	256QAM	1	12	ANT0	Full Power&DSI4&S&6	19.32	19.47	18.89	19.50
5	256QAM	1	24	ANT0	Full Power&DSI4&S&6	19.19	19.25	19.07	19.50
5	256QAM	12	0	ANT0	Full Power&DSI4&S&6	18.81	19.17	18.90	19.50
5	256QAM	12	6	ANT0	Full Power&DSI4&S&6	18.95	19.17	19.19	19.50
5	256QAM	12	13	ANT0	Full Power&DSI4&S&6	19.15	19.28	19.03	19.50
5	256QAM	25	0	ANT0	Full Power&DSI4&S&6	18.89	18.91	19.28	19.50

Band				LTE Band2					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18650	18900	19150	Tune-up power(dBm)
10	QPSK	1	0	ANT0	Full Power&DSI4&S&6	23.81	23.85	23.95	24.50
10	QPSK	1	24	ANT0	Full Power&DSI4&S&6	23.65	23.91	23.84	24.50
10	QPSK	1	49	ANT0	Full Power&DSI4&S&6	23.91	23.76	23.83	24.50
10	QPSK	25	0	ANT0	Full Power&DSI4&S&6	23.03	23.04	22.96	23.50
10	QPSK	25	12	ANT0	Full Power&DSI4&S&6	22.97	22.85	22.89	23.50
10	QPSK	25	25	ANT0	Full Power&DSI4&S&6	22.93	23.17	23.02	23.50
10	QPSK	50	0	ANT0	Full Power&DSI4&S&6	22.85	22.86	23.13	23.50
10	16QAM	1	0	ANT0	Full Power&DSI4&S&6	23.15	23.23	23.04	23.50
10	16QAM	1	24	ANT0	Full Power&DSI4&S&6	23.28	23.24	23.04	23.50
10	16QAM	1	49	ANT0	Full Power&DSI4&S&6	23.30	23.26	22.94	23.50
10	16QAM	25	0	ANT0	Full Power&DSI4&S&6	22.10	21.99	21.87	22.50
10	16QAM	25	12	ANT0	Full Power&DSI4&S&6	22.11	21.81	21.96	22.50
10	16QAM	25	25	ANT0	Full Power&DSI4&S&6	21.99	22.07	21.93	22.50
10	16QAM	50	0	ANT0	Full Power&DSI4&S&6	21.85	21.87	22.15	22.50
10	64QAM	1	0	ANT0	Full Power&DSI4&S&6	22.16	22.26	22.19	22.50
10	64QAM	1	24	ANT0	Full Power&DSI4&S&6	22.41	22.36	22.00	22.50
10	64QAM	1	49	ANT0	Full Power&DSI4&S&6	22.32	22.39	22.25	22.50
10	64QAM	25	0	ANT0	Full Power&DSI4&S&6	21.11	20.92	20.91	21.50
10	64QAM	25	12	ANT0	Full Power&DSI4&S&6	21.19	21.00	21.22	21.50
10	64QAM	25	25	ANT0	Full Power&DSI4&S&6	21.15	21.10	21.00	21.50
10	64QAM	50	0	ANT0	Full Power&DSI4&S&6	21.05	20.73	21.20	21.50
10	256QAM	1	0	ANT0	Full Power&DSI4&S&6	18.88	19.50	19.07	19.50
10	256QAM	1	24	ANT0	Full Power&DSI4&S&6	19.20	19.49	18.84	19.50
10	256QAM	1	49	ANT0	Full Power&DSI4&S&6	19.39	19.46	19.17	19.50
10	256QAM	25	0	ANT0	Full Power&DSI4&S&6	18.93	19.00	19.09	19.50
10	256QAM	25	12	ANT0	Full Power&DSI4&S&6	19.05	19.18	18.96	19.50
10	256QAM	25	25	ANT0	Full Power&DSI4&S&6	19.12	19.16	19.03	19.50
10	256QAM	50	0	ANT0	Full Power&DSI4&S&6	18.87	18.71	19.08	19.50

Band				LTE Band2					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18675	18900	19125	Tune-up power(dBm)
15	QPSK	1	0	ANT0	Full Power&DSI4&5&6	23.72	23.93	23.89	24.50
15	QPSK	1	37	ANT0	Full Power&DSI4&5&6	23.87	24.06	23.96	24.50
15	QPSK	1	74	ANT0	Full Power&DSI4&5&6	23.80	23.99	24.01	24.50
15	QPSK	36	0	ANT0	Full Power&DSI4&5&6	23.08	22.82	22.84	23.50
15	QPSK	36	19	ANT0	Full Power&DSI4&5&6	22.82	23.00	22.94	23.50
15	QPSK	36	39	ANT0	Full Power&DSI4&5&6	22.89	23.08	22.90	23.50
15	QPSK	75	0	ANT0	Full Power&DSI4&5&6	22.92	23.06	23.00	23.50
15	16QAM	1	0	ANT0	Full Power&DSI4&5&6	23.19	23.16	23.00	23.50
15	16QAM	1	37	ANT0	Full Power&DSI4&5&6	23.32	23.48	23.14	23.50
15	16QAM	1	74	ANT0	Full Power&DSI4&5&6	23.25	23.18	22.90	23.50
15	16QAM	36	0	ANT0	Full Power&DSI4&5&6	21.84	22.01	21.87	22.50
15	16QAM	36	19	ANT0	Full Power&DSI4&5&6	22.11	21.99	22.03	22.50
15	16QAM	36	39	ANT0	Full Power&DSI4&5&6	22.05	22.04	22.09	22.50
15	16QAM	75	0	ANT0	Full Power&DSI4&5&6	21.98	21.87	22.13	22.50
15	64QAM	1	0	ANT0	Full Power&DSI4&5&6	22.09	22.34	22.24	22.50
15	64QAM	1	37	ANT0	Full Power&DSI4&5&6	22.41	22.46	22.16	22.50
15	64QAM	1	74	ANT0	Full Power&DSI4&5&6	22.35	22.40	22.23	22.50
15	64QAM	36	0	ANT0	Full Power&DSI4&5&6	20.94	21.14	20.83	21.50
15	64QAM	36	19	ANT0	Full Power&DSI4&5&6	21.12	21.17	21.05	21.50
15	64QAM	36	39	ANT0	Full Power&DSI4&5&6	21.13	20.99	21.21	21.50
15	64QAM	75	0	ANT0	Full Power&DSI4&5&6	21.07	20.66	21.21	21.50
15	256QAM	1	0	ANT0	Full Power&DSI4&5&6	19.09	19.36	19.14	19.50
15	256QAM	1	37	ANT0	Full Power&DSI4&5&6	19.38	19.34	18.83	19.50
15	256QAM	1	74	ANT0	Full Power&DSI4&5&6	19.35	19.34	19.11	19.50
15	256QAM	36	0	ANT0	Full Power&DSI4&5&6	18.94	19.23	18.98	19.50
15	256QAM	36	19	ANT0	Full Power&DSI4&5&6	18.94	19.30	19.12	19.50
15	256QAM	36	39	ANT0	Full Power&DSI4&5&6	19.03	19.19	19.02	19.50
15	256QAM	75	0	ANT0	Full Power&DSI4&5&6	19.11	18.94	19.29	19.50

Band				LTE Band2					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18700	18900	19100	Tune-up power(dBm)
20	QPSK	1	0	ANT0	Full Power&DSI4&5&6	23.74	23.98	23.87	24.50
20	QPSK	1	49	ANT0	Full Power&DSI4&5&6	23.79	23.92	23.92	24.50
20	QPSK	1	99	ANT0	Full Power&DSI4&5&6	23.77	23.85	23.88	24.50
20	QPSK	50	0	ANT0	Full Power&DSI4&5&6	22.94	22.89	22.98	23.50
20	QPSK	50	25	ANT0	Full Power&DSI4&5&6	22.95	22.99	22.95	23.50
20	QPSK	50	50	ANT0	Full Power&DSI4&5&6	22.96	23.03	22.98	23.50
20	QPSK	100	0	ANT0	Full Power&DSI4&5&6	22.98	22.95	23.03	23.50
20	16QAM	1	0	ANT0	Full Power&DSI4&5&6	23.20	23.27	23.14	23.50
20	16QAM	1	49	ANT0	Full Power&DSI4&5&6	23.32	23.33	23.05	23.50
20	16QAM	1	99	ANT0	Full Power&DSI4&5&6	23.23	23.32	23.00	23.50
20	16QAM	50	0	ANT0	Full Power&DSI4&5&6	21.98	21.95	21.96	22.50
20	16QAM	50	25	ANT0	Full Power&DSI4&5&6	22.01	21.95	22.01	22.50
20	16QAM	50	50	ANT0	Full Power&DSI4&5&6	21.97	22.05	22.02	22.50
20	16QAM	100	0	ANT0	Full Power&DSI4&5&6	21.99	21.94	22.01	22.50
20	64QAM	1	0	ANT0	Full Power&DSI4&5&6	22.09	22.34	22.16	22.50
20	64QAM	1	49	ANT0	Full Power&DSI4&5&6	22.29	22.37	22.03	22.50
20	64QAM	1	99	ANT0	Full Power&DSI4&5&6	22.25	22.46	22.14	22.50
20	64QAM	50	0	ANT0	Full Power&DSI4&5&6	21.09	21.05	20.93	21.50
20	64QAM	50	25	ANT0	Full Power&DSI4&5&6	21.08	21.03	21.15	21.50
20	64QAM	50	50	ANT0	Full Power&DSI4&5&6	21.12	21.05	21.07	21.50
20	64QAM	100	0	ANT0	Full Power&DSI4&5&6	20.97	20.81	21.08	21.50
20	256QAM	1	0	ANT0	Full Power&DSI4&5&6	19.02	19.38	19.11	19.50
20	256QAM	1	49	ANT0	Full Power&DSI4&5&6	19.28	19.42	18.96	19.50
20	256QAM	1	99	ANT0	Full Power&DSI4&5&6	19.28	19.35	19.20	19.50
20	256QAM	50	0	ANT0	Full Power&DSI4&5&6	18.95	19.14	18.95	19.50
20	256QAM	50	25	ANT0	Full Power&DSI4&5&6	18.94	19.15	19.07	19.50
20	256QAM	50	50	ANT0	Full Power&DSI4&5&6	19.10	19.17	19.11	19.50
20	256QAM	100	0	ANT0	Full Power&DSI4&5&6	19.00	18.86	19.22	19.50

Band				LTE Band2					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18607	18900	19185	Tune-up power(dBm)
1.4	QPSK	1	0	ANT0	DSI1&2&3	22.70	22.75	22.71	24.50
1.4	QPSK	1	2	ANT0	DSI1&2&3	22.63	22.58	22.60	24.50
1.4	QPSK	1	5	ANT0	DSI1&2&3	22.63	22.61	22.58	24.50
1.4	QPSK	3	0	ANT0	DSI1&2&3	22.57	22.63	22.68	24.50
1.4	QPSK	3	1	ANT0	DSI1&2&3	22.74	22.66	22.62	24.50
1.4	QPSK	3	3	ANT0	DSI1&2&3	22.67	22.59	22.72	24.50
1.4	QPSK	6	0	ANT0	DSI1&2&3	22.61	22.66	22.75	23.50
1.4	16QAM	1	0	ANT0	DSI1&2&3	22.64	22.72	22.68	23.50
1.4	16QAM	1	2	ANT0	DSI1&2&3	22.64	22.71	22.56	23.50
1.4	16QAM	1	5	ANT0	DSI1&2&3	22.70	22.74	22.72	23.50
1.4	16QAM	3	0	ANT0	DSI1&2&3	22.63	22.62	22.66	23.50
1.4	16QAM	3	1	ANT0	DSI1&2&3	22.55	22.75	22.61	23.50
1.4	16QAM	3	3	ANT0	DSI1&2&3	22.56	22.69	22.59	23.50
1.4	16QAM	6	0	ANT0	DSI1&2&3	21.59	21.55	21.56	22.50
1.4	64QAM	1	0	ANT0	DSI1&2&3	21.70	21.72	21.70	22.50
1.4	64QAM	1	2	ANT0	DSI1&2&3	21.56	21.75	21.68	22.50
1.4	64QAM	1	5	ANT0	DSI1&2&3	21.62	21.69	21.74	22.50
1.4	64QAM	3	0	ANT0	DSI1&2&3	21.73	21.58	21.71	22.50
1.4	64QAM	3	1	ANT0	DSI1&2&3	21.55	21.74	21.69	22.50
1.4	64QAM	3	3	ANT0	DSI1&2&3	21.59	21.70	21.58	22.50
1.4	64QAM	6	0	ANT0	DSI1&2&3	20.62	20.74	20.70	21.50
1.4	256QAM	1	0	ANT0	DSI1&2&3	18.65	18.57	18.57	19.50
1.4	256QAM	1	2	ANT0	DSI1&2&3	18.69	18.67	18.57	19.50
1.4	256QAM	1	5	ANT0	DSI1&2&3	18.56	18.62	18.67	19.50
1.4	256QAM	3	0	ANT0	DSI1&2&3	18.71	18.66	18.61	19.50
1.4	256QAM	3	1	ANT0	DSI1&2&3	18.56	18.59	18.64	19.50
1.4	256QAM	3	3	ANT0	DSI1&2&3	18.71	18.67	18.59	19.50
1.4	256QAM	6	0	ANT0	DSI1&2&3	18.57	18.61	18.71	19.50

Band				LTE Band2					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18615	18900	19175	Tune-up power(dBm)
3	QPSK	1	0	ANT0	DSI1&2&3	22.68	22.67	22.75	24.50
3	QPSK	1	7	ANT0	DSI1&2&3	22.58	22.55	22.66	24.50
3	QPSK	1	14	ANT0	DSI1&2&3	22.57	22.58	22.70	24.50
3	QPSK	8	0	ANT0	DSI1&2&3	22.60	22.58	22.75	23.50
3	QPSK	8	3	ANT0	DSI1&2&3	22.61	22.59	22.70	23.50
3	QPSK	8	7	ANT0	DSI1&2&3	22.61	22.64	22.55	23.50
3	QPSK	15	0	ANT0	DSI1&2&3	22.58	22.62	22.64	23.50
3	16QAM	1	0	ANT0	DSI1&2&3	22.67	22.59	22.66	23.50
3	16QAM	1	7	ANT0	DSI1&2&3	22.63	22.68	22.61	23.50
3	16QAM	1	14	ANT0	DSI1&2&3	22.57	22.73	22.64	23.50
3	16QAM	8	0	ANT0	DSI1&2&3	21.58	21.56	21.55	22.50
3	16QAM	8	3	ANT0	DSI1&2&3	21.74	21.72	21.58	22.50
3	16QAM	8	7	ANT0	DSI1&2&3	21.69	21.71	21.67	22.50
3	16QAM	15	0	ANT0	DSI1&2&3	21.75	21.73	21.71	22.50
3	64QAM	1	0	ANT0	DSI1&2&3	21.72	21.66	21.73	22.50
3	64QAM	1	7	ANT0	DSI1&2&3	21.62	21.55	21.70	22.50
3	64QAM	1	14	ANT0	DSI1&2&3	21.75	21.65	21.55	22.50
3	64QAM	8	0	ANT0	DSI1&2&3	20.57	20.67	20.63	21.50
3	64QAM	8	3	ANT0	DSI1&2&3	20.66	20.75	20.63	21.50
3	64QAM	8	7	ANT0	DSI1&2&3	20.65	20.57	20.59	21.50
3	64QAM	15	0	ANT0	DSI1&2&3	20.59	20.71	20.55	21.50
3	256QAM	1	0	ANT0	DSI1&2&3	18.56	18.63	18.57	19.50
3	256QAM	1	7	ANT0	DSI1&2&3	18.63	18.62	18.67	19.50
3	256QAM	1	14	ANT0	DSI1&2&3	18.73	18.58	18.74	19.50
3	256QAM	8	0	ANT0	DSI1&2&3	18.63	18.74	18.72	19.50
3	256QAM	8	3	ANT0	DSI1&2&3	18.60	18.60	18.61	19.50
3	256QAM	8	7	ANT0	DSI1&2&3	18.58	18.75	18.68	19.50
3	256QAM	15	0	ANT0	DSI1&2&3	18.61	18.63	18.70	19.50

Band				LTE Band2					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18625	18900	19175	Tune-up power(dBm)
5	QPSK	1	0	ANT0	DSI1&2&3	22.75	22.57	22.75	24.50
5	QPSK	1	12	ANT0	DSI1&2&3	22.67	22.67	22.55	24.50
5	QPSK	1	24	ANT0	DSI1&2&3	22.62	22.73	22.72	24.50
5	QPSK	12	0	ANT0	DSI1&2&3	22.56	22.68	22.73	23.50
5	QPSK	12	6	ANT0	DSI1&2&3	22.71	22.68	22.59	23.50
5	QPSK	12	13	ANT0	DSI1&2&3	22.68	22.71	22.65	23.50
5	QPSK	25	0	ANT0	DSI1&2&3	22.66	22.75	22.72	23.50
5	16QAM	1	0	ANT0	DSI1&2&3	22.68	22.56	22.72	23.50
5	16QAM	1	12	ANT0	DSI1&2&3	22.59	22.71	22.75	23.50
5	16QAM	1	24	ANT0	DSI1&2&3	22.57	22.70	22.55	23.50
5	16QAM	12	0	ANT0	DSI1&2&3	21.55	21.66	21.65	22.50
5	16QAM	12	6	ANT0	DSI1&2&3	21.56	21.75	21.74	22.50
5	16QAM	12	13	ANT0	DSI1&2&3	21.69	21.58	21.55	22.50
5	16QAM	25	0	ANT0	DSI1&2&3	21.73	21.71	21.62	22.50
5	64QAM	1	0	ANT0	DSI1&2&3	21.63	21.55	21.67	22.50
5	64QAM	1	12	ANT0	DSI1&2&3	21.74	21.66	21.68	22.50
5	64QAM	1	24	ANT0	DSI1&2&3	21.65	21.68	21.64	22.50
5	64QAM	12	0	ANT0	DSI1&2&3	20.55	20.71	20.55	21.50
5	64QAM	12	6	ANT0	DSI1&2&3	20.55	20.73	20.66	21.50
5	64QAM	12	13	ANT0	DSI1&2&3	20.55	20.69	20.72	21.50
5	64QAM	25	0	ANT0	DSI1&2&3	20.72	20.69	20.65	21.50
5	256QAM	1	0	ANT0	DSI1&2&3	18.73	18.57	18.58	19.50
5	256QAM	1	12	ANT0	DSI1&2&3	18.64	18.75	18.59	19.50
5	256QAM	1	24	ANT0	DSI1&2&3	18.74	18.68	18.59	19.50
5	256QAM	12	0	ANT0	DSI1&2&3	18.61	18.67	18.67	19.50
5	256QAM	12	6	ANT0	DSI1&2&3	18.66	18.69	18.63	19.50
5	256QAM	12	13	ANT0	DSI1&2&3	18.69	18.60	18.65	19.50
5	256QAM	25	0	ANT0	DSI1&2&3	18.68	18.75	18.67	19.50

Band				LTE Band2					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18650	18900	19150	Tune-up power(dBm)
10	QPSK	1	0	ANT0	DSI1&2&3	22.69	22.68	22.68	24.50
10	QPSK	1	24	ANT0	DSI1&2&3	22.56	22.58	22.55	24.50
10	QPSK	1	49	ANT0	DSI1&2&3	22.59	22.69	22.65	24.50
10	QPSK	25	0	ANT0	DSI1&2&3	22.72	22.56	22.62	23.50
10	QPSK	25	12	ANT0	DSI1&2&3	22.68	22.70	22.74	23.50
10	QPSK	25	25	ANT0	DSI1&2&3	22.72	22.75	22.55	23.50
10	QPSK	50	0	ANT0	DSI1&2&3	22.65	22.67	22.57	23.50
10	16QAM	1	0	ANT0	DSI1&2&3	22.57	22.60	22.63	23.50
10	16QAM	1	24	ANT0	DSI1&2&3	22.56	22.65	22.74	23.50
10	16QAM	1	49	ANT0	DSI1&2&3	22.73	22.65	22.65	23.50
10	16QAM	25	0	ANT0	DSI1&2&3	21.74	21.62	21.60	22.50
10	16QAM	25	12	ANT0	DSI1&2&3	21.71	21.66	21.71	22.50
10	16QAM	25	25	ANT0	DSI1&2&3	21.69	21.68	21.59	22.50
10	16QAM	50	0	ANT0	DSI1&2&3	21.63	21.59	21.60	22.50
10	64QAM	1	0	ANT0	DSI1&2&3	21.69	21.68	21.64	22.50
10	64QAM	1	24	ANT0	DSI1&2&3	21.58	21.63	21.62	22.50
10	64QAM	1	49	ANT0	DSI1&2&3	21.72	21.65	21.63	22.50
10	64QAM	25	0	ANT0	DSI1&2&3	20.55	20.69	20.68	21.50
10	64QAM	25	12	ANT0	DSI1&2&3	20.62	20.65	20.69	21.50
10	64QAM	25	25	ANT0	DSI1&2&3	20.66	20.72	20.56	21.50
10	64QAM	50	0	ANT0	DSI1&2&3	20.59	20.57	20.64	21.50
10	256QAM	1	0	ANT0	DSI1&2&3	18.57	18.67	18.61	19.50
10	256QAM	1	24	ANT0	DSI1&2&3	18.60	18.59	18.58	19.50
10	256QAM	1	49	ANT0	DSI1&2&3	18.55	18.55	18.66	19.50
10	256QAM	25	0	ANT0	DSI1&2&3	18.65	18.69	18.59	19.50
10	256QAM	25	12	ANT0	DSI1&2&3	18.74	18.58	18.55	19.50
10	256QAM	25	25	ANT0	DSI1&2&3	18.65	18.63	18.65	19.50
10	256QAM	50	0	ANT0	DSI1&2&3	18.56	18.61	18.70	19.50

Band				LTE Band2					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18675	18900	19125	Tune-up power(dBm)
15	QPSK	1	0	ANT0	DSI1&2&3	22.58	22.73	22.71	24.50
15	QPSK	1	37	ANT0	DSI1&2&3	22.62	22.64	22.57	24.50
15	QPSK	1	74	ANT0	DSI1&2&3	22.56	22.74	22.67	24.50
15	QPSK	36	0	ANT0	DSI1&2&3	22.69	22.55	22.59	23.50
15	QPSK	36	19	ANT0	DSI1&2&3	22.71	22.64	22.55	23.50
15	QPSK	36	39	ANT0	DSI1&2&3	22.64	22.70	22.73	23.50
15	QPSK	75	0	ANT0	DSI1&2&3	22.57	22.57	22.67	23.50
15	16QAM	1	0	ANT0	DSI1&2&3	22.67	22.71	22.56	23.50
15	16QAM	1	37	ANT0	DSI1&2&3	22.67	22.64	22.61	23.50
15	16QAM	1	74	ANT0	DSI1&2&3	22.71	22.61	22.59	23.50
15	16QAM	36	0	ANT0	DSI1&2&3	21.66	21.58	21.63	22.50
15	16QAM	36	19	ANT0	DSI1&2&3	21.67	21.67	21.67	22.50
15	16QAM	36	39	ANT0	DSI1&2&3	21.56	21.68	21.70	22.50
15	16QAM	75	0	ANT0	DSI1&2&3	21.71	21.71	21.75	22.50
15	64QAM	1	0	ANT0	DSI1&2&3	21.61	21.63	21.58	22.50
15	64QAM	1	37	ANT0	DSI1&2&3	21.70	21.67	21.59	22.50
15	64QAM	1	74	ANT0	DSI1&2&3	21.64	21.56	21.69	22.50
15	64QAM	36	0	ANT0	DSI1&2&3	20.56	20.72	20.72	21.50
15	64QAM	36	19	ANT0	DSI1&2&3	20.66	20.57	20.63	21.50
15	64QAM	36	39	ANT0	DSI1&2&3	20.71	20.58	20.66	21.50
15	64QAM	75	0	ANT0	DSI1&2&3	20.70	20.69	20.68	21.50
15	256QAM	1	0	ANT0	DSI1&2&3	18.73	18.74	18.71	19.50
15	256QAM	1	37	ANT0	DSI1&2&3	18.55	18.73	18.70	19.50
15	256QAM	1	74	ANT0	DSI1&2&3	18.59	18.57	18.73	19.50
15	256QAM	36	0	ANT0	DSI1&2&3	18.56	18.67	18.74	19.50
15	256QAM	36	19	ANT0	DSI1&2&3	18.74	18.69	18.74	19.50
15	256QAM	36	39	ANT0	DSI1&2&3	18.58	18.71	18.66	19.50
15	256QAM	75	0	ANT0	DSI1&2&3	18.56	18.73	18.60	19.50

Band				LTE Band2					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18700	18900	19100	Tune-up power(dBm)
20	QPSK	1	0	ANT0	DSI1&2&3	22.68	22.70	22.66	24.50
20	QPSK	1	49	ANT0	DSI1&2&3	22.59	22.59	22.62	24.50
20	QPSK	1	99	ANT0	DSI1&2&3	22.75	22.70	22.57	24.50
20	QPSK	50	0	ANT0	DSI1&2&3	22.59	22.73	22.55	23.50
20	QPSK	50	25	ANT0	DSI1&2&3	22.70	22.64	22.74	23.50
20	QPSK	50	50	ANT0	DSI1&2&3	22.62	22.72	22.68	23.50
20	QPSK	100	0	ANT0	DSI1&2&3	22.72	22.55	22.72	23.50
20	16QAM	1	0	ANT0	DSI1&2&3	22.66	22.70	22.72	23.50
20	16QAM	1	49	ANT0	DSI1&2&3	22.58	22.73	22.60	23.50
20	16QAM	1	99	ANT0	DSI1&2&3	22.60	22.73	22.75	23.50
20	16QAM	50	0	ANT0	DSI1&2&3	21.66	21.67	21.63	22.50
20	16QAM	50	25	ANT0	DSI1&2&3	21.61	21.62	21.62	22.50
20	16QAM	50	50	ANT0	DSI1&2&3	21.74	21.56	21.58	22.50
20	16QAM	100	0	ANT0	DSI1&2&3	21.59	21.64	21.62	22.50
20	64QAM	1	0	ANT0	DSI1&2&3	21.58	21.58	21.60	22.50
20	64QAM	1	49	ANT0	DSI1&2&3	21.72	21.66	21.73	22.50
20	64QAM	1	99	ANT0	DSI1&2&3	21.59	21.64	21.70	22.50
20	64QAM	50	0	ANT0	DSI1&2&3	20.72	20.63	20.60	21.50
20	64QAM	50	25	ANT0	DSI1&2&3	20.72	20.63	20.68	21.50
20	64QAM	50	50	ANT0	DSI1&2&3	20.58	20.70	20.67	21.50
20	64QAM	100	0	ANT0	DSI1&2&3	20.55	20.63	20.62	21.50
20	256QAM	1	0	ANT0	DSI1&2&3	18.61	18.66	18.70	19.50
20	256QAM	1	49	ANT0	DSI1&2&3	18.70	18.66	18.63	19.50
20	256QAM	1	99	ANT0	DSI1&2&3	18.70	18.58	18.58	19.50
20	256QAM	50	0	ANT0	DSI1&2&3	18.66	18.60	18.75	19.50
20	256QAM	50	25	ANT0	DSI1&2&3	18.64	18.72	18.64	19.50
20	256QAM	50	50	ANT0	DSI1&2&3	18.57	18.58	18.70	19.50
20	256QAM	100	0	ANT0	DSI1&2&3	18.64	18.57	18.73	19.50

Band				LTE Band4					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	19957	20175	20393	Tune-up power(dBm)
1.4	QPSK	1	0	ANT0	Full Power&DSI1&2&4&5&6	23.65	23.80	23.67	24.50
1.4	QPSK	1	2	ANT0	Full Power&DSI1&2&4&5&6	23.79	23.64	23.64	24.50
1.4	QPSK	1	5	ANT0	Full Power&DSI1&2&4&5&6	23.86	23.71	23.96	24.50
1.4	QPSK	3	0	ANT0	Full Power&DSI1&2&4&5&6	23.73	23.91	23.73	24.50
1.4	QPSK	3	1	ANT0	Full Power&DSI1&2&4&5&6	23.90	23.69	24.01	24.50
1.4	QPSK	3	3	ANT0	Full Power&DSI1&2&4&5&6	23.87	23.75	23.72	24.50
1.4	QPSK	6	0	ANT0	Full Power&DSI1&2&4&5&6	22.90	22.79	22.96	23.50
1.4	16QAM	1	0	ANT0	Full Power&DSI1&2&4&5&6	22.90	22.99	23.05	23.50
1.4	16QAM	1	2	ANT0	Full Power&DSI1&2&4&5&6	22.79	23.06	23.19	23.50
1.4	16QAM	1	5	ANT0	Full Power&DSI1&2&4&5&6	23.18	23.17	23.17	23.50
1.4	16QAM	3	0	ANT0	Full Power&DSI1&2&4&5&6	22.76	22.75	22.90	23.50
1.4	16QAM	3	1	ANT0	Full Power&DSI1&2&4&5&6	23.08	22.85	22.88	23.50
1.4	16QAM	3	3	ANT0	Full Power&DSI1&2&4&5&6	22.87	22.87	22.83	23.50
1.4	16QAM	6	0	ANT0	Full Power&DSI1&2&4&5&6	21.87	21.93	21.84	22.50
1.4	64QAM	1	0	ANT0	Full Power&DSI1&2&4&5&6	22.20	22.05	22.05	22.50
1.4	64QAM	1	2	ANT0	Full Power&DSI1&2&4&5&6	21.96	22.27	22.29	22.50
1.4	64QAM	1	5	ANT0	Full Power&DSI1&2&4&5&6	22.33	22.12	22.27	22.50
1.4	64QAM	3	0	ANT0	Full Power&DSI1&2&4&5&6	22.05	21.86	21.79	22.50
1.4	64QAM	3	1	ANT0	Full Power&DSI1&2&4&5&6	21.95	21.88	21.74	22.50
1.4	64QAM	3	3	ANT0	Full Power&DSI1&2&4&5&6	21.76	22.05	21.99	22.50
1.4	64QAM	6	0	ANT0	Full Power&DSI1&2&4&5&6	20.84	21.03	21.01	21.50
1.4	256QAM	1	0	ANT0	Full Power&DSI1&2&4&5&6	18.94	18.99	18.95	19.50
1.4	256QAM	1	2	ANT0	Full Power&DSI1&2&4&5&6	19.03	19.24	19.32	19.50
1.4	256QAM	1	5	ANT0	Full Power&DSI1&2&4&5&6	19.30	19.07	19.33	19.50
1.4	256QAM	3	0	ANT0	Full Power&DSI1&2&4&5&6	18.82	18.75	18.81	19.50
1.4	256QAM	3	1	ANT0	Full Power&DSI1&2&4&5&6	19.15	18.87	18.72	19.50
1.4	256QAM	3	3	ANT0	Full Power&DSI1&2&4&5&6	18.84	19.13	18.79	19.50
1.4	256QAM	6	0	ANT0	Full Power&DSI1&2&4&5&6	18.92	19.13	19.20	19.50

Band				LTE Band4					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	19965	20175	20385	Tune-up power(dBm)
3	QPSK	1	0	ANT0	Full Power&DSI1&2&4&5&6	23.54	23.59	23.69	24.50
3	QPSK	1	7	ANT0	Full Power&DSI1&2&4&5&6	23.67	23.86	23.62	24.50
3	QPSK	1	14	ANT0	Full Power&DSI1&2&4&5&6	23.73	23.71	23.91	24.50
3	QPSK	8	0	ANT0	Full Power&DSI1&2&4&5&6	22.97	22.86	22.73	23.50
3	QPSK	8	3	ANT0	Full Power&DSI1&2&4&5&6	22.96	22.84	22.88	23.50
3	QPSK	8	7	ANT0	Full Power&DSI1&2&4&5&6	23.00	22.71	22.75	23.50
3	QPSK	15	0	ANT0	Full Power&DSI1&2&4&5&6	22.80	22.75	22.75	23.50
3	16QAM	1	0	ANT0	Full Power&DSI1&2&4&5&6	23.10	22.97	23.19	23.50
3	16QAM	1	7	ANT0	Full Power&DSI1&2&4&5&6	23.04	23.11	22.99	23.50
3	16QAM	1	14	ANT0	Full Power&DSI1&2&4&5&6	23.22	23.13	22.99	23.50
3	16QAM	8	0	ANT0	Full Power&DSI1&2&4&5&6	21.80	21.91	21.91	22.50
3	16QAM	8	3	ANT0	Full Power&DSI1&2&4&5&6	22.03	21.73	22.00	22.50
3	16QAM	8	7	ANT0	Full Power&DSI1&2&4&5&6	21.89	21.75	21.92	22.50
3	16QAM	15	0	ANT0	Full Power&DSI1&2&4&5&6	21.83	21.76	21.76	22.50
3	64QAM	1	0	ANT0	Full Power&DSI1&2&4&5&6	22.20	22.05	22.03	22.50
3	64QAM	1	7	ANT0	Full Power&DSI1&2&4&5&6	21.93	22.20	22.19	22.50
3	64QAM	1	14	ANT0	Full Power&DSI1&2&4&5&6	22.14	22.23	22.21	22.50
3	64QAM	8	0	ANT0	Full Power&DSI1&2&4&5&6	20.83	20.73	20.86	21.50
3	64QAM	8	3	ANT0	Full Power&DSI1&2&4&5&6	21.13	20.86	20.85	21.50
3	64QAM	8	7	ANT0	Full Power&DSI1&2&4&5&6	20.94	20.98	20.86	21.50
3	64QAM	15	0	ANT0	Full Power&DSI1&2&4&5&6	20.72	20.85	21.05	21.50
3	256QAM	1	0	ANT0	Full Power&DSI1&2&4&5&6	19.06	19.19	19.03	19.50
3	256QAM	1	7	ANT0	Full Power&DSI1&2&4&5&6	19.02	19.04	19.30	19.50
3	256QAM	1	14	ANT0	Full Power&DSI1&2&4&5&6	19.35	19.19	19.39	19.50
3	256QAM	8	0	ANT0	Full Power&DSI1&2&4&5&6	18.76	18.69	18.65	19.50
3	256QAM	8	3	ANT0	Full Power&DSI1&2&4&5&6	19.02	19.07	18.69	19.50
3	256QAM	8	7	ANT0	Full Power&DSI1&2&4&5&6	18.70	19.10	18.91	19.50
3	256QAM	15	0	ANT0	Full Power&DSI1&2&4&5&6	18.81	19.06	19.05	19.50

Band				LTE Band4					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	19975	20175	20375	Tune-up power(dBm)
5	QPSK	1	0	ANT0	Full Power&DSI1&2&4&5&6	23.72	23.83	23.68	24.50
5	QPSK	1	12	ANT0	Full Power&DSI1&2&4&5&6	23.61	23.64	23.81	24.50
5	QPSK	1	24	ANT0	Full Power&DSI1&2&4&5&6	23.73	23.84	23.87	24.50
5	QPSK	12	0	ANT0	Full Power&DSI1&2&4&5&6	22.87	22.64	22.73	23.50
5	QPSK	12	6	ANT0	Full Power&DSI1&2&4&5&6	22.84	22.72	22.98	23.50
5	QPSK	12	13	ANT0	Full Power&DSI1&2&4&5&6	22.90	22.69	22.88	23.50
5	QPSK	25	0	ANT0	Full Power&DSI1&2&4&5&6	22.73	22.82	22.74	23.50
5	16QAM	1	0	ANT0	Full Power&DSI1&2&4&5&6	22.98	23.11	23.12	23.50
5	16QAM	1	12	ANT0	Full Power&DSI1&2&4&5&6	22.97	23.11	23.06	23.50
5	16QAM	1	24	ANT0	Full Power&DSI1&2&4&5&6	23.06	23.15	23.25	23.50
5	16QAM	12	0	ANT0	Full Power&DSI1&2&4&5&6	21.86	21.90	21.81	22.50
5	16QAM	12	6	ANT0	Full Power&DSI1&2&4&5&6	21.92	21.97	21.96	22.50
5	16QAM	12	13	ANT0	Full Power&DSI1&2&4&5&6	21.98	21.80	21.95	22.50
5	16QAM	25	0	ANT0	Full Power&DSI1&2&4&5&6	21.91	21.81	21.75	22.50
5	64QAM	1	0	ANT0	Full Power&DSI1&2&4&5&6	22.01	22.09	22.19	22.50
5	64QAM	1	12	ANT0	Full Power&DSI1&2&4&5&6	22.07	22.19	22.22	22.50
5	64QAM	1	24	ANT0	Full Power&DSI1&2&4&5&6	22.32	22.20	22.20	22.50
5	64QAM	12	0	ANT0	Full Power&DSI1&2&4&5&6	20.82	20.70	20.72	21.50
5	64QAM	12	6	ANT0	Full Power&DSI1&2&4&5&6	20.98	20.87	20.65	21.50
5	64QAM	12	13	ANT0	Full Power&DSI1&2&4&5&6	21.01	21.00	20.93	21.50
5	64QAM	25	0	ANT0	Full Power&DSI1&2&4&5&6	20.84	21.02	20.86	21.50
5	256QAM	1	0	ANT0	Full Power&DSI1&2&4&5&6	19.07	19.04	18.83	19.50
5	256QAM	1	12	ANT0	Full Power&DSI1&2&4&5&6	19.13	19.34	19.24	19.50
5	256QAM	1	24	ANT0	Full Power&DSI1&2&4&5&6	19.20	18.99	19.33	19.50
5	256QAM	12	0	ANT0	Full Power&DSI1&2&4&5&6	18.86	18.83	18.65	19.50
5	256QAM	12	6	ANT0	Full Power&DSI1&2&4&5&6	19.03	18.84	18.80	19.50
5	256QAM	12	13	ANT0	Full Power&DSI1&2&4&5&6	18.77	19.20	18.92	19.50
5	256QAM	25	0	ANT0	Full Power&DSI1&2&4&5&6	18.87	19.02	19.10	19.50

Band				LTE Band4					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	20000	20175	20350	Tune-up power(dBm)
10	QPSK	1	0	ANT0	Full Power&DSI1&2&4&5&6	23.68	23.61	23.70	24.50
10	QPSK	1	24	ANT0	Full Power&DSI1&2&4&5&6	23.65	23.67	23.74	24.50
10	QPSK	1	49	ANT0	Full Power&DSI1&2&4&5&6	23.88	23.87	23.90	24.50
10	QPSK	25	0	ANT0	Full Power&DSI1&2&4&5&6	22.83	22.90	22.92	23.50
10	QPSK	25	12	ANT0	Full Power&DSI1&2&4&5&6	23.01	22.82	22.88	23.50
10	QPSK	25	25	ANT0	Full Power&DSI1&2&4&5&6	22.96	22.72	22.87	23.50
10	QPSK	50	0	ANT0	Full Power&DSI1&2&4&5&6	22.81	22.84	22.91	23.50
10	16QAM	1	0	ANT0	Full Power&DSI1&2&4&5&6	23.03	23.00	23.24	23.50
10	16QAM	1	24	ANT0	Full Power&DSI1&2&4&5&6	22.83	22.96	23.00	23.50
10	16QAM	1	49	ANT0	Full Power&DSI1&2&4&5&6	23.06	23.15	23.17	23.50
10	16QAM	25	0	ANT0	Full Power&DSI1&2&4&5&6	21.91	21.66	21.71	22.50
10	16QAM	25	12	ANT0	Full Power&DSI1&2&4&5&6	21.98	21.72	21.73	22.50
10	16QAM	25	25	ANT0	Full Power&DSI1&2&4&5&6	22.06	21.87	21.91	22.50
10	16QAM	50	0	ANT0	Full Power&DSI1&2&4&5&6	21.92	21.80	21.82	22.50
10	64QAM	1	0	ANT0	Full Power&DSI1&2&4&5&6	22.22	21.93	22.07	22.50
10	64QAM	1	24	ANT0	Full Power&DSI1&2&4&5&6	21.89	22.03	22.19	22.50
10	64QAM	1	49	ANT0	Full Power&DSI1&2&4&5&6	22.23	22.21	22.27	22.50
10	64QAM	25	0	ANT0	Full Power&DSI1&2&4&5&6	20.84	20.67	20.66	21.50
10	64QAM	25	12	ANT0	Full Power&DSI1&2&4&5&6	21.17	21.08	20.84	21.50
10	64QAM	25	25	ANT0	Full Power&DSI1&2&4&5&6	20.89	20.87	20.81	21.50
10	64QAM	50	0	ANT0	Full Power&DSI1&2&4&5&6	20.83	20.88	20.89	21.50
10	256QAM	1	0	ANT0	Full Power&DSI1&2&4&5&6	18.88	19.24	19.02	19.50
10	256QAM	1	24	ANT0	Full Power&DSI1&2&4&5&6	19.11	19.15	19.28	19.50
10	256QAM	1	49	ANT0	Full Power&DSI1&2&4&5&6	19.32	19.27	19.29	19.50
10	256QAM	25	0	ANT0	Full Power&DSI1&2&4&5&6	18.89	18.91	18.69	19.50
10	256QAM	25	12	ANT0	Full Power&DSI1&2&4&5&6	19.12	18.98	18.55	19.50
10	256QAM	25	25	ANT0	Full Power&DSI1&2&4&5&6	18.71	19.23	18.94	19.50
10	256QAM	50	0	ANT0	Full Power&DSI1&2&4&5&6	18.83	19.11	19.09	19.50

Band				LTE Band4					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	20025	20175	20325	Tune-up power(dBm)
15	QPSK	1	0	ANT0	Full Power&DSI1&2&4&5&6	23.54	23.65	23.80	24.50
15	QPSK	1	37	ANT0	Full Power&DSI1&2&4&5&6	23.61	23.84	23.58	24.50
15	QPSK	1	74	ANT0	Full Power&DSI1&2&4&5&6	23.77	23.77	23.80	24.50
15	QPSK	36	0	ANT0	Full Power&DSI1&2&4&5&6	22.92	22.92	22.76	23.50
15	QPSK	36	19	ANT0	Full Power&DSI1&2&4&5&6	22.76	22.92	22.81	23.50
15	QPSK	36	39	ANT0	Full Power&DSI1&2&4&5&6	22.95	22.86	22.90	23.50
15	QPSK	75	0	ANT0	Full Power&DSI1&2&4&5&6	22.74	22.93	22.93	23.50
15	16QAM	1	0	ANT0	Full Power&DSI1&2&4&5&6	23.13	22.98	23.14	23.50
15	16QAM	1	37	ANT0	Full Power&DSI1&2&4&5&6	23.03	23.06	23.07	23.50
15	16QAM	1	74	ANT0	Full Power&DSI1&2&4&5&6	23.19	23.09	23.01	23.50
15	16QAM	36	0	ANT0	Full Power&DSI1&2&4&5&6	21.77	21.70	21.78	22.50
15	16QAM	36	19	ANT0	Full Power&DSI1&2&4&5&6	22.02	21.97	21.89	22.50
15	16QAM	36	39	ANT0	Full Power&DSI1&2&4&5&6	21.86	21.90	21.85	22.50
15	16QAM	75	0	ANT0	Full Power&DSI1&2&4&5&6	21.83	21.73	21.91	22.50
15	64QAM	1	0	ANT0	Full Power&DSI1&2&4&5&6	21.98	21.88	22.13	22.50
15	64QAM	1	37	ANT0	Full Power&DSI1&2&4&5&6	22.09	22.07	22.23	22.50
15	64QAM	1	74	ANT0	Full Power&DSI1&2&4&5&6	22.35	22.17	22.16	22.50
15	64QAM	36	0	ANT0	Full Power&DSI1&2&4&5&6	20.83	20.69	20.95	21.50
15	64QAM	36	19	ANT0	Full Power&DSI1&2&4&5&6	21.14	20.84	20.59	21.50
15	64QAM	36	39	ANT0	Full Power&DSI1&2&4&5&6	20.80	20.92	20.89	21.50
15	64QAM	75	0	ANT0	Full Power&DSI1&2&4&5&6	20.90	20.93	20.85	21.50
15	256QAM	1	0	ANT0	Full Power&DSI1&2&4&5&6	18.94	19.16	19.00	19.50
15	256QAM	1	37	ANT0	Full Power&DSI1&2&4&5&6	19.17	19.15	19.43	19.50
15	256QAM	1	74	ANT0	Full Power&DSI1&2&4&5&6	19.39	19.16	19.10	19.50
15	256QAM	36	0	ANT0	Full Power&DSI1&2&4&5&6	18.68	18.93	18.85	19.50
15	256QAM	36	19	ANT0	Full Power&DSI1&2&4&5&6	19.06	19.02	18.59	19.50
15	256QAM	36	39	ANT0	Full Power&DSI1&2&4&5&6	18.84	19.24	18.69	19.50
15	256QAM	75	0	ANT0	Full Power&DSI1&2&4&5&6	18.86	19.12	19.07	19.50

Band				LTE Band4					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	20050	20175	20300	Tune-up power(dBm)
20	QPSK	1	0	ANT0	Full Power&DSI1&2&4&5&6	23.66	23.72	23.69	24.50
20	QPSK	1	49	ANT0	Full Power&DSI1&2&4&5&6	23.73	23.77	23.68	24.50
20	QPSK	1	99	ANT0	Full Power&DSI1&2&4&5&6	23.86	23.83	23.82	24.50
20	QPSK	50	0	ANT0	Full Power&DSI1&2&4&5&6	22.83	22.78	22.84	23.50
20	QPSK	50	25	ANT0	Full Power&DSI1&2&4&5&6	22.79	22.88	22.87	23.50
20	QPSK	50	50	ANT0	Full Power&DSI1&2&4&5&6	22.89	22.83	22.81	23.50
20	QPSK	100	0	ANT0	Full Power&DSI1&2&4&5&6	22.83	22.80	22.86	23.50
20	16QAM	1	0	ANT0	Full Power&DSI1&2&4&5&6	22.99	23.04	23.12	23.50
20	16QAM	1	49	ANT0	Full Power&DSI1&2&4&5&6	22.93	23.08	23.13	23.50
20	16QAM	1	99	ANT0	Full Power&DSI1&2&4&5&6	23.11	23.19	23.10	23.50
20	16QAM	50	0	ANT0	Full Power&DSI1&2&4&5&6	21.90	21.80	21.83	22.50
20	16QAM	50	25	ANT0	Full Power&DSI1&2&4&5&6	21.96	21.83	21.86	22.50
20	16QAM	50	50	ANT0	Full Power&DSI1&2&4&5&6	21.97	21.87	21.81	22.50
20	16QAM	100	0	ANT0	Full Power&DSI1&2&4&5&6	21.89	21.81	21.86	22.50
20	64QAM	1	0	ANT0	Full Power&DSI1&2&4&5&6	22.07	22.00	22.05	22.50
20	64QAM	1	49	ANT0	Full Power&DSI1&2&4&5&6	21.96	22.13	22.17	22.50
20	64QAM	1	99	ANT0	Full Power&DSI1&2&4&5&6	22.26	22.12	22.23	22.50
20	64QAM	50	0	ANT0	Full Power&DSI1&2&4&5&6	20.93	20.73	20.81	21.50
20	64QAM	50	25	ANT0	Full Power&DSI1&2&4&5&6	21.07	20.95	20.73	21.50
20	64QAM	50	50	ANT0	Full Power&DSI1&2&4&5&6	20.89	21.00	20.95	21.50
20	64QAM	100	0	ANT0	Full Power&DSI1&2&4&5&6	20.79	20.95	20.96	21.50
20	256QAM	1	0	ANT0	Full Power&DSI1&2&4&5&6	19.01	19.10	18.91	19.50
20	256QAM	1	49	ANT0	Full Power&DSI1&2&4&5&6	19.06	19.19	19.29	19.50
20	256QAM	1	99	ANT0	Full Power&DSI1&2&4&5&6	19.33	19.14	19.25	19.50
20	256QAM	50	0	ANT0	Full Power&DSI1&2&4&5&6	18.78	18.84	18.79	19.50
20	256QAM	50	25	ANT0	Full Power&DSI1&2&4&5&6	19.15	18.94	18.67	19.50
20	256QAM	50	50	ANT0	Full Power&DSI1&2&4&5&6	18.76	19.12	18.80	19.50
20	256QAM	100	0	ANT0	Full Power&DSI1&2&4&5&6	18.83	18.98	19.07	19.50

Band				LTE Band4					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	19957	20175	20393	Tune-up power(dBm)
1.4	QPSK	1	0	ANT0	DSI3	22.70	22.70	22.54	24.00
1.4	QPSK	1	2	ANT0	DSI3	22.55	22.65	22.51	24.00
1.4	QPSK	1	5	ANT0	DSI3	22.58	22.51	22.60	24.00
1.4	QPSK	3	0	ANT0	DSI3	22.61	22.61	22.68	24.00
1.4	QPSK	3	1	ANT0	DSI3	22.52	22.50	22.64	24.00
1.4	QPSK	3	3	ANT0	DSI3	22.53	22.58	22.54	24.00
1.4	QPSK	6	0	ANT0	DSI3	22.67	22.50	22.64	23.50
1.4	16QAM	1	0	ANT0	DSI3	22.66	22.56	22.69	23.50
1.4	16QAM	1	2	ANT0	DSI3	22.67	22.55	22.52	23.50
1.4	16QAM	1	5	ANT0	DSI3	22.67	22.55	22.70	23.50
1.4	16QAM	3	0	ANT0	DSI3	22.56	22.50	22.54	23.50
1.4	16QAM	3	1	ANT0	DSI3	22.65	22.58	22.50	23.50
1.4	16QAM	3	3	ANT0	DSI3	22.54	22.67	22.68	23.50
1.4	16QAM	6	0	ANT0	DSI3	21.67	21.64	21.69	22.50
1.4	64QAM	1	0	ANT0	DSI3	21.62	21.61	21.66	22.50
1.4	64QAM	1	2	ANT0	DSI3	21.64	21.53	21.56	22.50
1.4	64QAM	1	5	ANT0	DSI3	21.68	21.57	21.65	22.50
1.4	64QAM	3	0	ANT0	DSI3	21.66	21.69	21.56	22.50
1.4	64QAM	3	1	ANT0	DSI3	21.69	21.51	21.64	22.50
1.4	64QAM	3	3	ANT0	DSI3	21.53	21.66	21.62	22.50
1.4	64QAM	6	0	ANT0	DSI3	20.64	20.51	20.54	21.50
1.4	256QAM	1	0	ANT0	DSI3	18.67	18.51	18.57	19.50
1.4	256QAM	1	2	ANT0	DSI3	18.63	18.65	18.67	19.50
1.4	256QAM	1	5	ANT0	DSI3	18.61	18.62	18.58	19.50
1.4	256QAM	3	0	ANT0	DSI3	18.52	18.52	18.53	19.50
1.4	256QAM	3	1	ANT0	DSI3	18.61	18.62	18.68	19.50
1.4	256QAM	3	3	ANT0	DSI3	18.69	18.51	18.50	19.50
1.4	256QAM	6	0	ANT0	DSI3	18.50	18.65	18.50	19.50

Band				LTE Band4					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	19965	20175	20385	Tune-up power(dBm)
3	QPSK	1	0	ANT0	DSI3	22.65	22.55	22.65	24.00
3	QPSK	1	7	ANT0	DSI3	22.65	22.68	22.60	24.00
3	QPSK	1	14	ANT0	DSI3	22.62	22.52	22.67	24.00
3	QPSK	8	0	ANT0	DSI3	22.67	22.53	22.67	23.50
3	QPSK	8	3	ANT0	DSI3	22.65	22.70	22.62	23.50
3	QPSK	8	7	ANT0	DSI3	22.68	22.56	22.51	23.50
3	QPSK	15	0	ANT0	DSI3	22.64	22.53	22.58	23.50
3	16QAM	1	0	ANT0	DSI3	22.51	22.56	22.56	23.50
3	16QAM	1	7	ANT0	DSI3	22.69	22.66	22.62	23.50
3	16QAM	1	14	ANT0	DSI3	22.55	22.53	22.56	23.50
3	16QAM	8	0	ANT0	DSI3	21.59	21.65	21.58	22.50
3	16QAM	8	3	ANT0	DSI3	21.55	21.56	21.52	22.50
3	16QAM	8	7	ANT0	DSI3	21.68	21.67	21.54	22.50
3	16QAM	15	0	ANT0	DSI3	21.61	21.55	21.68	22.50
3	64QAM	1	0	ANT0	DSI3	21.51	21.54	21.52	22.50
3	64QAM	1	7	ANT0	DSI3	21.64	21.66	21.53	22.50
3	64QAM	1	14	ANT0	DSI3	21.52	21.64	21.69	22.50
3	64QAM	8	0	ANT0	DSI3	20.51	20.70	20.54	21.50
3	64QAM	8	3	ANT0	DSI3	20.61	20.55	20.54	21.50
3	64QAM	8	7	ANT0	DSI3	20.58	20.63	20.52	21.50
3	64QAM	15	0	ANT0	DSI3	20.58	20.59	20.67	21.50
3	256QAM	1	0	ANT0	DSI3	18.52	18.62	18.69	19.50
3	256QAM	1	7	ANT0	DSI3	18.62	18.69	18.56	19.50
3	256QAM	1	14	ANT0	DSI3	18.61	18.64	18.65	19.50
3	256QAM	8	0	ANT0	DSI3	18.61	18.67	18.55	19.50
3	256QAM	8	3	ANT0	DSI3	18.54	18.61	18.60	19.50
3	256QAM	8	7	ANT0	DSI3	18.61	18.66	18.62	19.50
3	256QAM	15	0	ANT0	DSI3	18.65	18.50	18.68	19.50

Band				LTE Band4					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	19975	20175	20375	Tune-up power(dBm)
5	QPSK	1	0	ANT0	DSI3	22.70	22.65	22.55	24.00
5	QPSK	1	12	ANT0	DSI3	22.69	22.53	22.62	24.00
5	QPSK	1	24	ANT0	DSI3	22.67	22.62	22.54	24.00
5	QPSK	12	0	ANT0	DSI3	22.50	22.62	22.64	23.50
5	QPSK	12	6	ANT0	DSI3	22.59	22.64	22.50	23.50
5	QPSK	12	13	ANT0	DSI3	22.63	22.61	22.56	23.50
5	QPSK	25	0	ANT0	DSI3	22.69	22.62	22.70	23.50
5	16QAM	1	0	ANT0	DSI3	22.66	22.66	22.50	23.50
5	16QAM	1	12	ANT0	DSI3	22.53	22.59	22.65	23.50
5	16QAM	1	24	ANT0	DSI3	22.64	22.57	22.61	23.50
5	16QAM	12	0	ANT0	DSI3	21.54	21.56	21.52	22.50
5	16QAM	12	6	ANT0	DSI3	21.63	21.68	21.54	22.50
5	16QAM	12	13	ANT0	DSI3	21.69	21.68	21.58	22.50
5	16QAM	25	0	ANT0	DSI3	21.54	21.67	21.67	22.50
5	64QAM	1	0	ANT0	DSI3	21.70	21.53	21.52	22.50
5	64QAM	1	12	ANT0	DSI3	21.63	21.69	21.59	22.50
5	64QAM	1	24	ANT0	DSI3	21.68	21.64	21.59	22.50
5	64QAM	12	0	ANT0	DSI3	20.59	20.66	20.50	21.50
5	64QAM	12	6	ANT0	DSI3	20.53	20.55	20.51	21.50
5	64QAM	12	13	ANT0	DSI3	20.51	20.56	20.70	21.50
5	64QAM	25	0	ANT0	DSI3	20.58	20.51	20.53	21.50
5	256QAM	1	0	ANT0	DSI3	18.59	18.53	18.53	19.50
5	256QAM	1	12	ANT0	DSI3	18.55	18.58	18.59	19.50
5	256QAM	1	24	ANT0	DSI3	18.53	18.55	18.60	19.50
5	256QAM	12	0	ANT0	DSI3	18.54	18.54	18.59	19.50
5	256QAM	12	6	ANT0	DSI3	18.68	18.52	18.68	19.50
5	256QAM	12	13	ANT0	DSI3	18.58	18.63	18.58	19.50
5	256QAM	25	0	ANT0	DSI3	18.53	18.52	18.51	19.50

Band				LTE Band4					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	20000	20175	20350	Tune-up power(dBm)
10	QPSK	1	0	ANT0	DSI3	22.67	22.68	22.67	24.00
10	QPSK	1	24	ANT0	DSI3	22.55	22.54	22.58	24.00
10	QPSK	1	49	ANT0	DSI3	22.60	22.59	22.64	24.00
10	QPSK	25	0	ANT0	DSI3	22.55	22.63	22.65	23.50
10	QPSK	25	12	ANT0	DSI3	22.52	22.62	22.69	23.50
10	QPSK	25	25	ANT0	DSI3	22.68	22.58	22.50	23.50
10	QPSK	50	0	ANT0	DSI3	22.52	22.70	22.56	23.50
10	16QAM	1	0	ANT0	DSI3	22.60	22.63	22.64	23.50
10	16QAM	1	24	ANT0	DSI3	22.54	22.55	22.58	23.50
10	16QAM	1	49	ANT0	DSI3	22.54	22.56	22.59	23.50
10	16QAM	25	0	ANT0	DSI3	21.53	21.68	21.50	22.50
10	16QAM	25	12	ANT0	DSI3	21.51	21.65	21.64	22.50
10	16QAM	25	25	ANT0	DSI3	21.62	21.60	21.59	22.50
10	16QAM	50	0	ANT0	DSI3	21.59	21.57	21.61	22.50
10	64QAM	1	0	ANT0	DSI3	21.56	21.57	21.61	22.50
10	64QAM	1	24	ANT0	DSI3	21.65	21.66	21.68	22.50
10	64QAM	1	49	ANT0	DSI3	21.66	21.63	21.64	22.50
10	64QAM	25	0	ANT0	DSI3	20.70	20.64	20.65	21.50
10	64QAM	25	12	ANT0	DSI3	20.65	20.50	20.58	21.50
10	64QAM	25	25	ANT0	DSI3	20.65	20.62	20.53	21.50
10	64QAM	50	0	ANT0	DSI3	20.64	20.70	20.54	21.50
10	256QAM	1	0	ANT0	DSI3	18.51	18.68	18.68	19.50
10	256QAM	1	24	ANT0	DSI3	18.50	18.62	18.65	19.50
10	256QAM	1	49	ANT0	DSI3	18.58	18.57	18.70	19.50
10	256QAM	25	0	ANT0	DSI3	18.54	18.68	18.64	19.50
10	256QAM	25	12	ANT0	DSI3	18.66	18.69	18.56	19.50
10	256QAM	25	25	ANT0	DSI3	18.59	18.64	18.50	19.50
10	256QAM	50	0	ANT0	DSI3	18.66	18.70	18.56	19.50

Band				LTE Band4					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	20025	20175	20325	Tune-up power(dBm)
15	QPSK	1	0	ANT0	DSI3	22.62	22.60	22.66	24.00
15	QPSK	1	37	ANT0	DSI3	22.60	22.52	22.55	24.00
15	QPSK	1	74	ANT0	DSI3	22.67	22.56	22.53	24.00
15	QPSK	36	0	ANT0	DSI3	22.58	22.64	22.55	23.50
15	QPSK	36	19	ANT0	DSI3	22.67	22.67	22.51	23.50
15	QPSK	36	39	ANT0	DSI3	22.55	22.57	22.52	23.50
15	QPSK	75	0	ANT0	DSI3	22.51	22.67	22.58	23.50
15	16QAM	1	0	ANT0	DSI3	22.59	22.64	22.62	23.50
15	16QAM	1	37	ANT0	DSI3	22.63	22.70	22.64	23.50
15	16QAM	1	74	ANT0	DSI3	22.58	22.67	22.67	23.50
15	16QAM	36	0	ANT0	DSI3	21.56	21.63	21.59	22.50
15	16QAM	36	19	ANT0	DSI3	21.67	21.51	21.70	22.50
15	16QAM	36	39	ANT0	DSI3	21.69	21.53	21.69	22.50
15	16QAM	75	0	ANT0	DSI3	21.56	21.57	21.53	22.50
15	64QAM	1	0	ANT0	DSI3	21.52	21.58	21.70	22.50
15	64QAM	1	37	ANT0	DSI3	21.54	21.62	21.59	22.50
15	64QAM	1	74	ANT0	DSI3	21.56	21.67	21.63	22.50
15	64QAM	36	0	ANT0	DSI3	20.63	20.61	20.60	21.50
15	64QAM	36	19	ANT0	DSI3	20.58	20.61	20.55	21.50
15	64QAM	36	39	ANT0	DSI3	20.51	20.68	20.58	21.50
15	64QAM	75	0	ANT0	DSI3	20.51	20.56	20.63	21.50
15	256QAM	1	0	ANT0	DSI3	18.58	18.50	18.59	19.50
15	256QAM	1	37	ANT0	DSI3	18.56	18.61	18.57	19.50
15	256QAM	1	74	ANT0	DSI3	18.55	18.59	18.62	19.50
15	256QAM	36	0	ANT0	DSI3	18.69	18.57	18.54	19.50
15	256QAM	36	19	ANT0	DSI3	18.59	18.64	18.53	19.50
15	256QAM	36	39	ANT0	DSI3	18.62	18.50	18.60	19.50
15	256QAM	75	0	ANT0	DSI3	18.50	18.58	18.66	19.50

Band				LTE Band4					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	20050	20175	20300	Tune-up power(dBm)
20	QPSK	1	0	ANT0	DSI3	22.69	22.72	22.63	24.00
20	QPSK	1	49	ANT0	DSI3	22.52	22.58	22.55	24.00
20	QPSK	1	99	ANT0	DSI3	22.70	22.64	22.68	24.00
20	QPSK	50	0	ANT0	DSI3	22.66	22.54	22.50	23.50
20	QPSK	50	25	ANT0	DSI3	22.58	22.63	22.63	23.50
20	QPSK	50	50	ANT0	DSI3	22.70	22.51	22.67	23.50
20	QPSK	100	0	ANT0	DSI3	22.54	22.57	22.54	23.50
20	16QAM	1	0	ANT0	DSI3	22.70	22.69	22.63	23.50
20	16QAM	1	49	ANT0	DSI3	22.70	22.70	22.69	23.50
20	16QAM	1	99	ANT0	DSI3	22.59	22.53	22.61	23.50
20	16QAM	50	0	ANT0	DSI3	21.63	21.67	21.67	22.50
20	16QAM	50	25	ANT0	DSI3	21.57	21.54	21.58	22.50
20	16QAM	50	50	ANT0	DSI3	21.58	21.55	21.54	22.50
20	16QAM	100	0	ANT0	DSI3	21.68	21.68	21.57	22.50
20	64QAM	1	0	ANT0	DSI3	21.57	21.50	21.67	22.50
20	64QAM	1	49	ANT0	DSI3	21.66	21.65	21.52	22.50
20	64QAM	1	99	ANT0	DSI3	21.63	21.64	21.56	22.50
20	64QAM	50	0	ANT0	DSI3	20.62	20.55	20.66	21.50
20	64QAM	50	25	ANT0	DSI3	20.54	20.67	20.70	21.50
20	64QAM	50	50	ANT0	DSI3	20.51	20.65	20.68	21.50
20	64QAM	100	0	ANT0	DSI3	20.67	20.65	20.59	21.50
20	256QAM	1	0	ANT0	DSI3	18.54	18.56	18.53	19.50
20	256QAM	1	49	ANT0	DSI3	18.55	18.68	18.52	19.50
20	256QAM	1	99	ANT0	DSI3	18.57	18.50	18.56	19.50
20	256QAM	50	0	ANT0	DSI3	18.67	18.53	18.61	19.50
20	256QAM	50	25	ANT0	DSI3	18.67	18.65	18.53	19.50
20	256QAM	50	50	ANT0	DSI3	18.68	18.63	18.58	19.50
20	256QAM	100	0	ANT0	DSI3	18.66	18.59	18.55	19.50

Band				LTE Band5					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	20407	20525	20643	Tune-up power(dBm)
1.4	QPSK	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	24.11	24.08	24.17	25.00
1.4	QPSK	1	2	ANT0	Full Power&DSI1&2&3&4&5&6	24.21	24.26	24.22	25.00
1.4	QPSK	1	5	ANT0	Full Power&DSI1&2&3&4&5&6	24.20	24.04	24.32	25.00
1.4	QPSK	3	0	ANT0	Full Power&DSI1&2&3&4&5&6	24.06	24.09	24.22	25.00
1.4	QPSK	3	1	ANT0	Full Power&DSI1&2&3&4&5&6	24.19	24.26	24.32	25.00
1.4	QPSK	3	3	ANT0	Full Power&DSI1&2&3&4&5&6	24.24	24.22	24.25	25.00
1.4	QPSK	6	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.14	23.12	23.03	24.00
1.4	16QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.44	23.54	23.42	24.00
1.4	16QAM	1	2	ANT0	Full Power&DSI1&2&3&4&5&6	23.39	23.44	23.52	24.00
1.4	16QAM	1	5	ANT0	Full Power&DSI1&2&3&4&5&6	23.54	23.60	23.30	24.00
1.4	16QAM	3	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.25	23.27	23.08	24.00
1.4	16QAM	3	1	ANT0	Full Power&DSI1&2&3&4&5&6	23.25	23.20	23.06	24.00
1.4	16QAM	3	3	ANT0	Full Power&DSI1&2&3&4&5&6	23.29	23.09	23.19	24.00
1.4	16QAM	6	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.17	22.21	22.26	23.00
1.4	64QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.32	22.33	22.38	23.00
1.4	64QAM	1	2	ANT0	Full Power&DSI1&2&3&4&5&6	22.22	22.55	22.75	23.00
1.4	64QAM	1	5	ANT0	Full Power&DSI1&2&3&4&5&6	22.29	22.40	22.51	23.00
1.4	64QAM	3	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.24	22.24	22.16	23.00
1.4	64QAM	3	1	ANT0	Full Power&DSI1&2&3&4&5&6	22.23	22.10	22.16	23.00
1.4	64QAM	3	3	ANT0	Full Power&DSI1&2&3&4&5&6	22.07	22.35	22.32	23.00
1.4	64QAM	6	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.38	21.10	21.08	22.00
1.4	256QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.40	19.43	19.44	20.00
1.4	256QAM	1	2	ANT0	Full Power&DSI1&2&3&4&5&6	19.00	19.47	19.53	20.00
1.4	256QAM	1	5	ANT0	Full Power&DSI1&2&3&4&5&6	19.50	19.12	19.38	20.00
1.4	256QAM	3	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.26	19.28	19.18	20.00
1.4	256QAM	3	1	ANT0	Full Power&DSI1&2&3&4&5&6	19.20	19.23	19.20	20.00
1.4	256QAM	3	3	ANT0	Full Power&DSI1&2&3&4&5&6	19.02	19.29	19.32	20.00
1.4	256QAM	6	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.47	19.11	19.12	20.00

Band				LTE Band5					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	20415	20525	20635	Tune-up power(dBm)
3	QPSK	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	24.30	24.08	24.03	25.00
3	QPSK	1	7	ANT0	Full Power&DSI1&2&3&4&5&6	24.36	24.31	24.22	25.00
3	QPSK	1	14	ANT0	Full Power&DSI1&2&3&4&5&6	24.27	24.16	24.17	25.00
3	QPSK	8	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.98	23.20	23.04	24.00
3	QPSK	8	3	ANT0	Full Power&DSI1&2&3&4&5&6	23.31	23.25	23.25	24.00
3	QPSK	8	7	ANT0	Full Power&DSI1&2&3&4&5&6	23.23	23.15	23.30	24.00
3	QPSK	15	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.24	23.22	23.16	24.00
3	16QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.44	23.42	23.62	24.00
3	16QAM	1	7	ANT0	Full Power&DSI1&2&3&4&5&6	23.39	23.58	23.55	24.00
3	16QAM	1	14	ANT0	Full Power&DSI1&2&3&4&5&6	23.49	23.36	23.37	24.00
3	16QAM	8	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.00	22.05	21.98	23.00
3	16QAM	8	3	ANT0	Full Power&DSI1&2&3&4&5&6	22.32	22.32	22.09	23.00
3	16QAM	8	7	ANT0	Full Power&DSI1&2&3&4&5&6	22.15	22.21	22.15	23.00
3	16QAM	15	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.30	22.09	22.15	23.00
3	64QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.23	22.36	22.48	23.00
3	64QAM	1	7	ANT0	Full Power&DSI1&2&3&4&5&6	22.22	22.45	22.81	23.00
3	64QAM	1	14	ANT0	Full Power&DSI1&2&3&4&5&6	22.39	22.35	22.68	23.00
3	64QAM	8	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.16	21.04	21.27	22.00
3	64QAM	8	3	ANT0	Full Power&DSI1&2&3&4&5&6	21.21	21.28	21.29	22.00
3	64QAM	8	7	ANT0	Full Power&DSI1&2&3&4&5&6	21.03	21.19	21.24	22.00
3	64QAM	15	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.35	21.22	21.14	22.00
3	256QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.48	19.61	19.48	20.00
3	256QAM	1	7	ANT0	Full Power&DSI1&2&3&4&5&6	18.92	19.20	19.69	20.00
3	256QAM	1	14	ANT0	Full Power&DSI1&2&3&4&5&6	19.41	19.25	19.49	20.00
3	256QAM	8	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.35	19.25	19.10	20.00
3	256QAM	8	3	ANT0	Full Power&DSI1&2&3&4&5&6	19.14	19.33	19.05	20.00
3	256QAM	8	7	ANT0	Full Power&DSI1&2&3&4&5&6	19.13	19.29	19.25	20.00
3	256QAM	15	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.43	19.26	19.23	20.00

Band				LTE Band5					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	20425	20525	20625	Tune-up power(dBm)
5	QPSK	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	24.21	24.19	24.31	25.00
5	QPSK	1	12	ANT0	Full Power&DSI1&2&3&4&5&6	24.16	24.41	24.16	25.00
5	QPSK	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	24.17	24.06	24.14	25.00
5	QPSK	12	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.02	23.06	23.10	24.00
5	QPSK	12	6	ANT0	Full Power&DSI1&2&3&4&5&6	23.14	23.08	23.10	24.00
5	QPSK	12	13	ANT0	Full Power&DSI1&2&3&4&5&6	23.28	23.23	23.17	24.00
5	QPSK	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.14	23.11	23.28	24.00
5	16QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.20	23.55	23.46	24.00
5	16QAM	1	12	ANT0	Full Power&DSI1&2&3&4&5&6	23.28	23.62	23.63	24.00
5	16QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	23.46	23.50	23.51	24.00
5	16QAM	12	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.28	22.06	22.26	23.00
5	16QAM	12	6	ANT0	Full Power&DSI1&2&3&4&5&6	22.27	22.20	22.14	23.00
5	16QAM	12	13	ANT0	Full Power&DSI1&2&3&4&5&6	22.21	22.33	22.09	23.00
5	16QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.22	22.10	22.08	23.00
5	64QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.37	22.41	22.59	23.00
5	64QAM	1	12	ANT0	Full Power&DSI1&2&3&4&5&6	22.08	22.56	22.79	23.00
5	64QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	22.40	22.40	22.60	23.00
5	64QAM	12	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.23	21.09	21.22	22.00
5	64QAM	12	6	ANT0	Full Power&DSI1&2&3&4&5&6	21.20	21.13	21.27	22.00
5	64QAM	12	13	ANT0	Full Power&DSI1&2&3&4&5&6	21.17	21.40	21.30	22.00
5	64QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.22	21.15	21.20	22.00
5	256QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.30	19.37	19.62	20.00
5	256QAM	1	12	ANT0	Full Power&DSI1&2&3&4&5&6	19.01	19.39	19.65	20.00
5	256QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	19.50	19.24	19.45	20.00
5	256QAM	12	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.28	19.24	18.99	20.00
5	256QAM	12	6	ANT0	Full Power&DSI1&2&3&4&5&6	19.33	19.25	19.13	20.00
5	256QAM	12	13	ANT0	Full Power&DSI1&2&3&4&5&6	19.15	19.32	19.48	20.00
5	256QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.54	19.22	19.02	20.00

Band				LTE Band5					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	20450	20525	20600	Tune-up power(dBm)
10	QPSK	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	24.16	24.22	24.17	25.00
10	QPSK	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	24.24	24.26	24.27	25.00
10	QPSK	1	49	ANT0	Full Power&DSI1&2&3&4&5&6	24.21	24.17	24.20	25.00
10	QPSK	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.12	23.19	23.16	24.00
10	QPSK	25	12	ANT0	Full Power&DSI1&2&3&4&5&6	23.21	23.22	23.17	24.00
10	QPSK	25	25	ANT0	Full Power&DSI1&2&3&4&5&6	23.16	23.23	23.19	24.00
10	QPSK	50	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.13	23.18	23.20	24.00
10	16QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.30	23.45	23.51	24.00
10	16QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	23.31	23.56	23.52	24.00
10	16QAM	1	49	ANT0	Full Power&DSI1&2&3&4&5&6	23.40	23.46	23.39	24.00
10	16QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.13	22.17	22.12	23.00
10	16QAM	25	12	ANT0	Full Power&DSI1&2&3&4&5&6	22.25	22.19	22.18	23.00
10	16QAM	25	25	ANT0	Full Power&DSI1&2&3&4&5&6	22.21	22.23	22.22	23.00
10	16QAM	50	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.21	22.18	22.14	23.00
10	64QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.37	22.43	22.52	23.00
10	64QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	22.20	22.46	22.67	23.00
10	64QAM	1	49	ANT0	Full Power&DSI1&2&3&4&5&6	22.29	22.37	22.54	23.00
10	64QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.18	21.15	21.17	22.00
10	64QAM	25	12	ANT0	Full Power&DSI1&2&3&4&5&6	21.13	21.19	21.19	22.00
10	64QAM	25	25	ANT0	Full Power&DSI1&2&3&4&5&6	21.13	21.31	21.36	22.00
10	64QAM	50	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.28	21.10	21.20	22.00
10	256QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.33	19.46	19.49	20.00
10	256QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	19.05	19.34	19.64	20.00
10	256QAM	1	49	ANT0	Full Power&DSI1&2&3&4&5&6	19.38	19.27	19.40	20.00
10	256QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.32	19.16	19.13	20.00
10	256QAM	25	12	ANT0	Full Power&DSI1&2&3&4&5&6	19.27	19.20	19.16	20.00
10	256QAM	25	25	ANT0	Full Power&DSI1&2&3&4&5&6	19.13	19.38	19.37	20.00
10	256QAM	50	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.40	19.13	19.16	20.00

Band				LTE Band7					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	20775	21100	21425	Tune-up power(dBm)
5	QPSK	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.99	23.14	22.89	23.50
5	QPSK	1	12	ANT0	Full Power&DSI1&2&3&4&5&6	22.99	23.18	23.10	23.50
5	QPSK	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	23.17	23.15	23.09	23.50
5	QPSK	12	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.13	22.14	22.00	22.50
5	QPSK	12	6	ANT0	Full Power&DSI1&2&3&4&5&6	22.18	22.11	22.27	22.50
5	QPSK	12	13	ANT0	Full Power&DSI1&2&3&4&5&6	22.31	22.33	21.93	22.50
5	QPSK	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.15	22.16	22.06	22.50
5	16QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.41	22.14	22.40	22.50
5	16QAM	1	12	ANT0	Full Power&DSI1&2&3&4&5&6	22.43	22.36	22.30	22.50
5	16QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	22.39	22.25	22.39	22.50
5	16QAM	12	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.33	21.27	21.15	21.50
5	16QAM	12	6	ANT0	Full Power&DSI1&2&3&4&5&6	21.33	21.17	21.31	21.50
5	16QAM	12	13	ANT0	Full Power&DSI1&2&3&4&5&6	21.34	21.06	21.05	21.50
5	16QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.34	21.20	21.28	21.50
5	64QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.38	21.13	21.22	21.50
5	64QAM	1	12	ANT0	Full Power&DSI1&2&3&4&5&6	21.26	21.47	21.38	21.50
5	64QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	21.49	21.20	21.29	21.50
5	64QAM	12	0	ANT0	Full Power&DSI1&2&3&4&5&6	20.04	20.43	20.31	20.50
5	64QAM	12	6	ANT0	Full Power&DSI1&2&3&4&5&6	20.12	20.20	20.24	20.50
5	64QAM	12	13	ANT0	Full Power&DSI1&2&3&4&5&6	20.02	19.97	20.08	20.50
5	64QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	20.21	20.04	20.06	20.50
5	256QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	18.47	18.22	18.45	18.50
5	256QAM	1	12	ANT0	Full Power&DSI1&2&3&4&5&6	18.42	18.28	18.46	18.50
5	256QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	18.17	18.49	18.13	18.50
5	256QAM	12	0	ANT0	Full Power&DSI1&2&3&4&5&6	18.15	18.49	18.32	18.50
5	256QAM	12	6	ANT0	Full Power&DSI1&2&3&4&5&6	18.10	18.32	18.33	18.50
5	256QAM	12	13	ANT0	Full Power&DSI1&2&3&4&5&6	18.25	18.08	18.06	18.50
5	256QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	18.35	18.12	17.97	18.50

Band				LTE Band7					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	20800	21100	21400	Tune-up power(dBm)
10	QPSK	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.16	23.11	23.13	23.50
10	QPSK	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	23.07	23.14	23.18	23.50
10	QPSK	1	49	ANT0	Full Power&DSI1&2&3&4&5&6	23.11	23.25	23.22	23.50
10	QPSK	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.19	22.23	22.09	22.50
10	QPSK	25	12	ANT0	Full Power&DSI1&2&3&4&5&6	22.18	22.24	22.27	22.50
10	QPSK	25	25	ANT0	Full Power&DSI1&2&3&4&5&6	22.22	22.12	22.00	22.50
10	QPSK	50	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.29	22.24	22.06	22.50
10	16QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.30	22.23	22.21	22.50
10	16QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	22.34	22.41	22.46	22.50
10	16QAM	1	49	ANT0	Full Power&DSI1&2&3&4&5&6	22.49	22.25	22.25	22.50
10	16QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.39	21.24	21.13	21.50
10	16QAM	25	12	ANT0	Full Power&DSI1&2&3&4&5&6	21.18	21.27	21.04	21.50
10	16QAM	25	25	ANT0	Full Power&DSI1&2&3&4&5&6	21.29	21.15	21.04	21.50
10	16QAM	50	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.18	21.16	21.09	21.50
10	64QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.42	21.07	21.15	21.50
10	64QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	21.38	21.24	21.50	21.50
10	64QAM	1	49	ANT0	Full Power&DSI1&2&3&4&5&6	21.42	21.40	21.18	21.50
10	64QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	20.11	20.23	20.08	20.50
10	64QAM	25	12	ANT0	Full Power&DSI1&2&3&4&5&6	20.10	20.32	20.42	20.50
10	64QAM	25	25	ANT0	Full Power&DSI1&2&3&4&5&6	20.15	19.99	19.99	20.50
10	64QAM	50	0	ANT0	Full Power&DSI1&2&3&4&5&6	20.43	20.03	20.16	20.50
10	256QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	18.44	18.22	18.28	18.50
10	256QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	18.23	18.12	18.35	18.50
10	256QAM	1	49	ANT0	Full Power&DSI1&2&3&4&5&6	18.43	18.46	18.13	18.50
10	256QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	17.93	18.49	18.14	18.50
10	256QAM	25	12	ANT0	Full Power&DSI1&2&3&4&5&6	17.99	18.16	18.18	18.50
10	256QAM	25	25	ANT0	Full Power&DSI1&2&3&4&5&6	18.13	18.02	18.04	18.50
10	256QAM	50	0	ANT0	Full Power&DSI1&2&3&4&5&6	18.41	17.99	18.07	18.50

Band				LTE Band7					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	20825	21100	21375	Tune-up power(dBm)
15	QPSK	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.13	23.10	23.00	23.50
15	QPSK	1	37	ANT0	Full Power&DSI1&2&3&4&5&6	22.98	23.31	23.16	23.50
15	QPSK	1	74	ANT0	Full Power&DSI1&2&3&4&5&6	22.96	23.07	22.99	23.50
15	QPSK	36	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.27	22.15	22.06	22.50
15	QPSK	36	19	ANT0	Full Power&DSI1&2&3&4&5&6	22.19	22.16	22.21	22.50
15	QPSK	36	39	ANT0	Full Power&DSI1&2&3&4&5&6	22.33	22.13	21.92	22.50
15	QPSK	75	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.37	22.06	21.99	22.50
15	16QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.49	22.22	22.30	22.50
15	16QAM	1	37	ANT0	Full Power&DSI1&2&3&4&5&6	22.45	22.21	22.44	22.50
15	16QAM	1	74	ANT0	Full Power&DSI1&2&3&4&5&6	22.37	22.20	22.33	22.50
15	16QAM	36	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.32	21.10	21.26	21.50
15	16QAM	36	19	ANT0	Full Power&DSI1&2&3&4&5&6	21.18	21.27	21.06	21.50
15	16QAM	36	39	ANT0	Full Power&DSI1&2&3&4&5&6	21.23	21.06	21.02	21.50
15	16QAM	75	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.24	21.27	21.24	21.50
15	64QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.50	21.09	21.24	21.50
15	64QAM	1	37	ANT0	Full Power&DSI1&2&3&4&5&6	21.38	21.42	21.42	21.50
15	64QAM	1	74	ANT0	Full Power&DSI1&2&3&4&5&6	21.48	21.17	21.11	21.50
15	64QAM	36	0	ANT0	Full Power&DSI1&2&3&4&5&6	20.17	20.50	20.13	20.50
15	64QAM	36	19	ANT0	Full Power&DSI1&2&3&4&5&6	20.28	20.10	20.42	20.50
15	64QAM	36	39	ANT0	Full Power&DSI1&2&3&4&5&6	20.24	19.94	20.06	20.50
15	64QAM	75	0	ANT0	Full Power&DSI1&2&3&4&5&6	20.43	20.14	20.03	20.50
15	256QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	18.45	18.37	18.33	18.50
15	256QAM	1	37	ANT0	Full Power&DSI1&2&3&4&5&6	18.37	18.13	18.42	18.50
15	256QAM	1	74	ANT0	Full Power&DSI1&2&3&4&5&6	18.36	18.31	17.93	18.50
15	256QAM	36	0	ANT0	Full Power&DSI1&2&3&4&5&6	18.18	18.50	18.15	18.50
15	256QAM	36	19	ANT0	Full Power&DSI1&2&3&4&5&6	18.08	18.13	18.15	18.50
15	256QAM	36	39	ANT0	Full Power&DSI1&2&3&4&5&6	18.13	18.13	17.97	18.50
15	256QAM	75	0	ANT0	Full Power&DSI1&2&3&4&5&6	18.16	18.13	17.95	18.50

Band				LTE Band7					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	20850	21100	21350	Tune-up power(dBm)
20	QPSK	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.01	23.11	23.02	23.50
20	QPSK	1	49	ANT0	Full Power&DSI1&2&3&4&5&6	23.12	23.18	23.10	23.50
20	QPSK	1	99	ANT0	Full Power&DSI1&2&3&4&5&6	23.09	23.19	23.09	23.50
20	QPSK	50	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.19	22.23	22.12	22.50
20	QPSK	50	25	ANT0	Full Power&DSI1&2&3&4&5&6	22.19	22.25	22.15	22.50
20	QPSK	50	50	ANT0	Full Power&DSI1&2&3&4&5&6	22.18	22.19	22.07	22.50
20	QPSK	100	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.13	22.18	22.23	22.50
20	16QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.43	22.21	22.31	22.50
20	16QAM	1	49	ANT0	Full Power&DSI1&2&3&4&5&6	22.47	22.30	22.35	22.50
20	16QAM	1	99	ANT0	Full Power&DSI1&2&3&4&5&6	22.50	22.18	22.28	22.50
20	16QAM	50	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.24	21.25	21.21	21.50
20	16QAM	50	25	ANT0	Full Power&DSI1&2&3&4&5&6	21.29	21.23	21.19	21.50
20	16QAM	50	50	ANT0	Full Power&DSI1&2&3&4&5&6	21.20	21.17	21.11	21.50
20	16QAM	100	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.29	21.18	21.16	21.50
20	64QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.45	21.16	21.29	21.50
20	64QAM	1	49	ANT0	Full Power&DSI1&2&3&4&5&6	21.39	21.35	21.50	21.50
20	64QAM	1	99	ANT0	Full Power&DSI1&2&3&4&5&6	21.43	21.28	21.17	21.50
20	64QAM	50	0	ANT0	Full Power&DSI1&2&3&4&5&6	20.10	20.37	20.17	20.50
20	64QAM	50	25	ANT0	Full Power&DSI1&2&3&4&5&6	20.19	20.19	20.29	20.50
20	64QAM	50	50	ANT0	Full Power&DSI1&2&3&4&5&6	20.09	20.06	19.99	20.50
20	64QAM	100	0	ANT0	Full Power&DSI1&2&3&4&5&6	20.31	20.14	20.02	20.50
20	256QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	18.44	18.22	18.41	18.50
20	256QAM	1	49	ANT0	Full Power&DSI1&2&3&4&5&6	18.33	18.24	18.49	18.50
20	256QAM	1	99	ANT0	Full Power&DSI1&2&3&4&5&6	18.32	18.35	18.03	18.50
20	256QAM	50	0	ANT0	Full Power&DSI1&2&3&4&5&6	18.08	18.47	18.21	18.50
20	256QAM	50	25	ANT0	Full Power&DSI1&2&3&4&5&6	18.14	18.27	18.22	18.50
20	256QAM	50	50	ANT0	Full Power&DSI1&2&3&4&5&6	18.24	17.99	17.97	18.50
20	256QAM	100	0	ANT0	Full Power&DSI1&2&3&4&5&6	18.29	18.00	17.97	18.50

Band				LTE Band12					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	23017	23095	23173	Tune-up power(dBm)
1.4	QPSK	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	24.41	24.41	24.36	25.00
1.4	QPSK	1	2	ANT0	Full Power&DSI1&2&3&4&5&6	24.29	24.28	24.48	25.00
1.4	QPSK	1	5	ANT0	Full Power&DSI1&2&3&4&5&6	24.40	24.35	24.24	25.00
1.4	QPSK	3	0	ANT0	Full Power&DSI1&2&3&4&5&6	24.20	24.25	24.35	25.00
1.4	QPSK	3	1	ANT0	Full Power&DSI1&2&3&4&5&6	24.42	24.41	24.41	25.00
1.4	QPSK	3	3	ANT0	Full Power&DSI1&2&3&4&5&6	24.43	24.45	24.33	25.00
1.4	QPSK	6	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.27	23.39	23.26	24.00
1.4	16QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.69	23.69	23.51	24.00
1.4	16QAM	1	2	ANT0	Full Power&DSI1&2&3&4&5&6	23.66	23.77	23.33	24.00
1.4	16QAM	1	5	ANT0	Full Power&DSI1&2&3&4&5&6	23.50	23.53	23.51	24.00
1.4	16QAM	3	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.37	23.21	23.39	24.00
1.4	16QAM	3	1	ANT0	Full Power&DSI1&2&3&4&5&6	23.34	23.45	23.30	24.00
1.4	16QAM	3	3	ANT0	Full Power&DSI1&2&3&4&5&6	23.22	23.48	23.42	24.00
1.4	16QAM	6	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.39	22.39	22.22	23.00
1.4	64QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.73	22.75	22.69	23.00
1.4	64QAM	1	2	ANT0	Full Power&DSI1&2&3&4&5&6	22.34	22.90	22.42	23.00
1.4	64QAM	1	5	ANT0	Full Power&DSI1&2&3&4&5&6	22.57	22.54	22.41	23.00
1.4	64QAM	3	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.27	22.24	22.17	23.00
1.4	64QAM	3	1	ANT0	Full Power&DSI1&2&3&4&5&6	22.44	22.23	22.56	23.00
1.4	64QAM	3	3	ANT0	Full Power&DSI1&2&3&4&5&6	22.23	22.34	22.29	23.00
1.4	64QAM	6	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.27	21.42	21.25	22.00
1.4	256QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.62	19.78	19.35	20.00
1.4	256QAM	1	2	ANT0	Full Power&DSI1&2&3&4&5&6	19.61	19.82	19.52	20.00
1.4	256QAM	1	5	ANT0	Full Power&DSI1&2&3&4&5&6	19.64	19.54	19.77	20.00
1.4	256QAM	3	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.42	19.14	19.29	20.00
1.4	256QAM	3	1	ANT0	Full Power&DSI1&2&3&4&5&6	19.29	19.15	19.41	20.00
1.4	256QAM	3	3	ANT0	Full Power&DSI1&2&3&4&5&6	19.30	19.31	19.40	20.00
1.4	256QAM	6	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.26	19.44	19.29	20.00

Band				LTE Band12					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	23025	23095	23165	Tune-up power(dBm)
3	QPSK	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	24.28	24.25	24.45	25.00
3	QPSK	1	7	ANT0	Full Power&DSI1&2&3&4&5&6	24.35	24.40	24.52	25.00
3	QPSK	1	14	ANT0	Full Power&DSI1&2&3&4&5&6	24.18	24.16	24.33	25.00
3	QPSK	8	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.23	23.39	23.13	24.00
3	QPSK	8	3	ANT0	Full Power&DSI1&2&3&4&5&6	23.39	23.44	23.47	24.00
3	QPSK	8	7	ANT0	Full Power&DSI1&2&3&4&5&6	23.42	23.31	23.35	24.00
3	QPSK	15	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.43	23.40	23.39	24.00
3	16QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.51	23.64	23.70	24.00
3	16QAM	1	7	ANT0	Full Power&DSI1&2&3&4&5&6	23.53	23.74	23.57	24.00
3	16QAM	1	14	ANT0	Full Power&DSI1&2&3&4&5&6	23.68	23.66	23.61	24.00
3	16QAM	8	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.29	22.22	22.44	23.00
3	16QAM	8	3	ANT0	Full Power&DSI1&2&3&4&5&6	22.45	22.19	22.32	23.00
3	16QAM	8	7	ANT0	Full Power&DSI1&2&3&4&5&6	22.32	22.35	22.44	23.00
3	16QAM	15	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.21	22.20	22.39	23.00
3	64QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.75	22.67	22.63	23.00
3	64QAM	1	7	ANT0	Full Power&DSI1&2&3&4&5&6	22.53	22.81	22.31	23.00
3	64QAM	1	14	ANT0	Full Power&DSI1&2&3&4&5&6	22.54	22.72	22.43	23.00
3	64QAM	8	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.23	21.25	21.07	22.00
3	64QAM	8	3	ANT0	Full Power&DSI1&2&3&4&5&6	21.25	21.28	21.44	22.00
3	64QAM	8	7	ANT0	Full Power&DSI1&2&3&4&5&6	21.43	21.23	21.44	22.00
3	64QAM	15	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.07	21.33	21.23	22.00
3	256QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.60	19.61	19.48	20.00
3	256QAM	1	7	ANT0	Full Power&DSI1&2&3&4&5&6	19.34	19.96	19.51	20.00
3	256QAM	1	14	ANT0	Full Power&DSI1&2&3&4&5&6	19.68	19.43	19.75	20.00
3	256QAM	8	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.42	19.19	19.19	20.00
3	256QAM	8	3	ANT0	Full Power&DSI1&2&3&4&5&6	19.25	19.25	19.45	20.00
3	256QAM	8	7	ANT0	Full Power&DSI1&2&3&4&5&6	19.25	19.29	19.17	20.00
3	256QAM	15	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.31	19.34	19.24	20.00

Band				LTE Band12					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	23035	23095	23155	Tune-up power(dBm)
5	QPSK	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	24.36	24.21	24.45	25.00
5	QPSK	1	12	ANT0	Full Power&DSI1&2&3&4&5&6	24.50	24.40	24.51	25.00
5	QPSK	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	24.32	24.36	24.32	25.00
5	QPSK	12	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.10	23.41	23.33	24.00
5	QPSK	12	6	ANT0	Full Power&DSI1&2&3&4&5&6	23.28	23.18	23.27	24.00
5	QPSK	12	13	ANT0	Full Power&DSI1&2&3&4&5&6	23.23	23.47	23.41	24.00
5	QPSK	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.33	23.33	23.38	24.00
5	16QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.55	23.60	23.67	24.00
5	16QAM	1	12	ANT0	Full Power&DSI1&2&3&4&5&6	23.53	23.59	23.53	24.00
5	16QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	23.52	23.61	23.52	24.00
5	16QAM	12	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.38	22.28	22.14	23.00
5	16QAM	12	6	ANT0	Full Power&DSI1&2&3&4&5&6	22.47	22.39	22.48	23.00
5	16QAM	12	13	ANT0	Full Power&DSI1&2&3&4&5&6	22.46	22.23	22.28	23.00
5	16QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.21	22.40	22.37	23.00
5	64QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.75	22.80	22.66	23.00
5	64QAM	1	12	ANT0	Full Power&DSI1&2&3&4&5&6	22.53	22.88	22.37	23.00
5	64QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	22.48	22.56	22.56	23.00
5	64QAM	12	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.22	21.09	21.34	22.00
5	64QAM	12	6	ANT0	Full Power&DSI1&2&3&4&5&6	21.21	21.32	21.45	22.00
5	64QAM	12	13	ANT0	Full Power&DSI1&2&3&4&5&6	21.46	21.38	21.29	22.00
5	64QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.10	21.32	21.18	22.00
5	256QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.69	19.69	19.44	20.00
5	256QAM	1	12	ANT0	Full Power&DSI1&2&3&4&5&6	19.54	19.83	19.35	20.00
5	256QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	19.62	19.39	19.72	20.00
5	256QAM	12	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.34	19.09	19.22	20.00
5	256QAM	12	6	ANT0	Full Power&DSI1&2&3&4&5&6	19.26	19.30	19.57	20.00
5	256QAM	12	13	ANT0	Full Power&DSI1&2&3&4&5&6	19.19	19.29	19.25	20.00
5	256QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.21	19.25	19.05	20.00

Band				LTE Band12					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	23060	23095	23130	Tune-up power(dBm)
10	QPSK	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	24.30	24.38	24.32	25.00
10	QPSK	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	24.35	24.40	24.41	25.00
10	QPSK	1	49	ANT0	Full Power&DSI1&2&3&4&5&6	24.25	24.31	24.36	25.00
10	QPSK	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.25	23.26	23.27	24.00
10	QPSK	25	12	ANT0	Full Power&DSI1&2&3&4&5&6	23.30	23.38	23.33	24.00
10	QPSK	25	25	ANT0	Full Power&DSI1&2&3&4&5&6	23.37	23.36	23.32	24.00
10	QPSK	50	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.35	23.30	23.35	24.00
10	16QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.61	23.59	23.55	24.00
10	16QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	23.56	23.68	23.47	24.00
10	16QAM	1	49	ANT0	Full Power&DSI1&2&3&4&5&6	23.60	23.65	23.49	24.00
10	16QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.31	22.27	22.29	23.00
10	16QAM	25	12	ANT0	Full Power&DSI1&2&3&4&5&6	22.39	22.31	22.37	23.00
10	16QAM	25	25	ANT0	Full Power&DSI1&2&3&4&5&6	22.35	22.37	22.34	23.00
10	16QAM	50	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.35	22.28	22.35	23.00
10	64QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.73	22.72	22.59	23.00
10	64QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	22.41	22.78	22.37	23.00
10	64QAM	1	49	ANT0	Full Power&DSI1&2&3&4&5&6	22.62	22.61	22.52	23.00
10	64QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.29	21.22	21.22	22.00
10	64QAM	25	12	ANT0	Full Power&DSI1&2&3&4&5&6	21.34	21.35	21.41	22.00
10	64QAM	25	25	ANT0	Full Power&DSI1&2&3&4&5&6	21.36	21.35	21.35	22.00
10	64QAM	50	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.21	21.32	21.24	22.00
10	256QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.61	19.75	19.45	20.00
10	256QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	19.48	19.87	19.40	20.00
10	256QAM	1	49	ANT0	Full Power&DSI1&2&3&4&5&6	19.64	19.50	19.63	20.00
10	256QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.34	19.12	19.16	20.00
10	256QAM	25	12	ANT0	Full Power&DSI1&2&3&4&5&6	19.40	19.22	19.49	20.00
10	256QAM	25	25	ANT0	Full Power&DSI1&2&3&4&5&6	19.29	19.29	19.29	20.00
10	256QAM	50	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.30	19.34	19.19	20.00

Band				LTE Band14					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	23305	23330	23355	Tune-up power(dBm)
5	QPSK	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	24.15	24.22	24.20	25.00
5	QPSK	1	12	ANT0	Full Power&DSI1&2&3&4&5&6	24.20	24.15	24.15	25.00
5	QPSK	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	24.17	24.17	24.18	25.00
5	QPSK	12	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.17	23.16	23.20	24.00
5	QPSK	12	6	ANT0	Full Power&DSI1&2&3&4&5&6	23.17	23.20	23.19	24.00
5	QPSK	12	13	ANT0	Full Power&DSI1&2&3&4&5&6	23.18	23.25	23.21	24.00
5	QPSK	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.21	23.17	23.25	24.00
5	16QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.18	23.15	23.17	24.00
5	16QAM	1	12	ANT0	Full Power&DSI1&2&3&4&5&6	23.16	23.19	23.24	24.00
5	16QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	23.17	23.21	23.17	24.00
5	16QAM	12	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.22	22.15	22.21	23.00
5	16QAM	12	6	ANT0	Full Power&DSI1&2&3&4&5&6	22.15	22.24	22.20	23.00
5	16QAM	12	13	ANT0	Full Power&DSI1&2&3&4&5&6	22.17	22.23	22.19	23.00
5	16QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.21	22.20	22.19	23.00
5	64QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.20	22.20	22.24	23.00
5	64QAM	1	12	ANT0	Full Power&DSI1&2&3&4&5&6	22.15	22.20	22.15	23.00
5	64QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	22.20	22.17	22.22	23.00
5	64QAM	12	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.15	21.18	21.21	22.00
5	64QAM	12	6	ANT0	Full Power&DSI1&2&3&4&5&6	21.23	21.22	21.21	22.00
5	64QAM	12	13	ANT0	Full Power&DSI1&2&3&4&5&6	21.16	21.20	21.17	22.00
5	64QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.16	21.18	21.23	22.00
5	256QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.18	19.18	19.24	20.00
5	256QAM	1	12	ANT0	Full Power&DSI1&2&3&4&5&6	19.24	19.23	19.19	20.00
5	256QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	19.25	19.20	19.24	20.00
5	256QAM	12	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.23	19.21	19.17	20.00
5	256QAM	12	6	ANT0	Full Power&DSI1&2&3&4&5&6	19.24	19.18	19.24	20.00
5	256QAM	12	13	ANT0	Full Power&DSI1&2&3&4&5&6	19.20	19.19	19.25	20.00
5	256QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.19	19.24	19.24	20.00

Band				LTE Band14					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	/	23330	/	Tune-up power(dBm)
10	QPSK	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	/	24.16	/	25.00
10	QPSK	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	/	24.18	/	25.00
10	QPSK	1	49	ANT0	Full Power&DSI1&2&3&4&5&6	/	24.15	/	25.00
10	QPSK	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	/	23.16	/	24.00
10	QPSK	25	12	ANT0	Full Power&DSI1&2&3&4&5&6	/	23.22	/	24.00
10	QPSK	25	25	ANT0	Full Power&DSI1&2&3&4&5&6	/	23.24	/	24.00
10	QPSK	50	0	ANT0	Full Power&DSI1&2&3&4&5&6	/	23.24	/	24.00
10	16QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	/	23.23	/	24.00
10	16QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	/	23.24	/	24.00
10	16QAM	1	49	ANT0	Full Power&DSI1&2&3&4&5&6	/	23.20	/	24.00
10	16QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	/	22.23	/	23.00
10	16QAM	25	12	ANT0	Full Power&DSI1&2&3&4&5&6	/	22.25	/	23.00
10	16QAM	25	25	ANT0	Full Power&DSI1&2&3&4&5&6	/	22.22	/	23.00
10	16QAM	50	0	ANT0	Full Power&DSI1&2&3&4&5&6	/	22.19	/	23.00
10	64QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	/	22.15	/	23.00
10	64QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	/	22.17	/	23.00
10	64QAM	1	49	ANT0	Full Power&DSI1&2&3&4&5&6	/	22.16	/	23.00
10	64QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	/	21.22	/	22.00
10	64QAM	25	12	ANT0	Full Power&DSI1&2&3&4&5&6	/	21.18	/	22.00
10	64QAM	25	25	ANT0	Full Power&DSI1&2&3&4&5&6	/	21.22	/	22.00
10	64QAM	50	0	ANT0	Full Power&DSI1&2&3&4&5&6	/	21.23	/	22.00
10	256QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	/	19.17	/	20.00
10	256QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	/	19.20	/	20.00
10	256QAM	1	49	ANT0	Full Power&DSI1&2&3&4&5&6	/	19.17	/	20.00
10	256QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	/	19.20	/	20.00
10	256QAM	25	12	ANT0	Full Power&DSI1&2&3&4&5&6	/	19.22	/	20.00
10	256QAM	25	25	ANT0	Full Power&DSI1&2&3&4&5&6	/	19.23	/	20.00
10	256QAM	50	0	ANT0	Full Power&DSI1&2&3&4&5&6	/	19.18	/	20.00

Band				LTE Band30					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	27685	27710	27735	Tune-up power(dBm)
5	QPSK	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.54	22.36	22.51	23.00
5	QPSK	1	12	ANT0	Full Power&DSI1&2&3&4&5&6	22.35	22.36	22.42	23.00
5	QPSK	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	22.38	22.55	22.36	23.00
5	QPSK	12	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.40	21.37	21.46	22.00
5	QPSK	12	6	ANT0	Full Power&DSI1&2&3&4&5&6	21.36	21.55	21.42	22.00
5	QPSK	12	13	ANT0	Full Power&DSI1&2&3&4&5&6	21.36	21.50	21.55	22.00
5	QPSK	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.52	21.40	21.52	22.00
5	16QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.45	21.76	21.47	22.00
5	16QAM	1	12	ANT0	Full Power&DSI1&2&3&4&5&6	21.41	21.62	21.38	22.00
5	16QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	21.52	21.63	21.44	22.00
5	16QAM	12	0	ANT0	Full Power&DSI1&2&3&4&5&6	20.44	20.53	20.49	21.00
5	16QAM	12	6	ANT0	Full Power&DSI1&2&3&4&5&6	20.39	20.31	20.51	21.00
5	16QAM	12	13	ANT0	Full Power&DSI1&2&3&4&5&6	20.36	20.42	20.48	21.00
5	16QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	20.55	20.29	20.37	21.00
5	64QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	20.51	20.75	20.44	21.00
5	64QAM	1	12	ANT0	Full Power&DSI1&2&3&4&5&6	20.47	20.52	20.50	21.00
5	64QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	20.38	20.72	20.45	21.00
5	64QAM	12	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.55	19.45	19.55	20.00
5	64QAM	12	6	ANT0	Full Power&DSI1&2&3&4&5&6	19.53	19.28	19.45	20.00
5	64QAM	12	13	ANT0	Full Power&DSI1&2&3&4&5&6	19.49	19.24	19.36	20.00
5	64QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.52	19.43	19.44	20.00
5	256QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	17.51	17.56	17.51	18.00
5	256QAM	1	12	ANT0	Full Power&DSI1&2&3&4&5&6	17.36	17.55	17.43	18.00
5	256QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	17.40	17.79	17.51	18.00
5	256QAM	12	0	ANT0	Full Power&DSI1&2&3&4&5&6	17.44	17.36	17.43	18.00
5	256QAM	12	6	ANT0	Full Power&DSI1&2&3&4&5&6	17.35	17.34	17.45	18.00
5	256QAM	12	13	ANT0	Full Power&DSI1&2&3&4&5&6	17.37	17.29	17.35	18.00
5	256QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	17.47	17.53	17.42	18.00

Band				LTE Band30					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	/	27710	/	Tune-up power(dBm)
10	QPSK	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	/	22.41	/	23.00
10	QPSK	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	/	22.51	/	23.00
10	QPSK	1	49	ANT0	Full Power&DSI1&2&3&4&5&6	/	22.45	/	23.00
10	QPSK	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	/	21.37	/	22.00
10	QPSK	25	12	ANT0	Full Power&DSI1&2&3&4&5&6	/	21.42	/	22.00
10	QPSK	25	25	ANT0	Full Power&DSI1&2&3&4&5&6	/	21.39	/	22.00
10	QPSK	50	0	ANT0	Full Power&DSI1&2&3&4&5&6	/	21.41	/	22.00
10	16QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	/	21.65	/	22.00
10	16QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	/	21.71	/	22.00
10	16QAM	1	49	ANT0	Full Power&DSI1&2&3&4&5&6	/	21.70	/	22.00
10	16QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	/	20.39	/	21.00
10	16QAM	25	12	ANT0	Full Power&DSI1&2&3&4&5&6	/	20.42	/	21.00
10	16QAM	25	25	ANT0	Full Power&DSI1&2&3&4&5&6	/	20.47	/	21.00
10	16QAM	50	0	ANT0	Full Power&DSI1&2&3&4&5&6	/	20.42	/	21.00
10	64QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	/	20.63	/	21.00
10	64QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	/	20.57	/	21.00
10	64QAM	1	49	ANT0	Full Power&DSI1&2&3&4&5&6	/	20.71	/	21.00
10	64QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	/	19.36	/	20.00
10	64QAM	25	12	ANT0	Full Power&DSI1&2&3&4&5&6	/	19.27	/	20.00
10	64QAM	25	25	ANT0	Full Power&DSI1&2&3&4&5&6	/	19.37	/	20.00
10	64QAM	50	0	ANT0	Full Power&DSI1&2&3&4&5&6	/	19.46	/	20.00
10	256QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	/	17.62	/	18.00
10	256QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	/	17.67	/	18.00
10	256QAM	1	49	ANT0	Full Power&DSI1&2&3&4&5&6	/	17.83	/	18.00
10	256QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	/	17.33	/	18.00
10	256QAM	25	12	ANT0	Full Power&DSI1&2&3&4&5&6	/	17.25	/	18.00
10	256QAM	25	25	ANT0	Full Power&DSI1&2&3&4&5&6	/	17.29	/	18.00
10	256QAM	50	0	ANT0	Full Power&DSI1&2&3&4&5&6	/	17.55	/	18.00

Band				LTE Band66					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	131979	132322	132665	Tune-up power(dBm)
1.4	QPSK	1	0	ANT0	Full Power&DSI4&5&6	23.80	23.97	23.68	24.50
1.4	QPSK	1	2	ANT0	Full Power&DSI4&5&6	23.76	23.77	23.92	24.50
1.4	QPSK	1	5	ANT0	Full Power&DSI4&5&6	23.78	24.07	23.77	24.50
1.4	QPSK	3	0	ANT0	Full Power&DSI4&5&6	23.81	24.01	23.82	24.50
1.4	QPSK	3	1	ANT0	Full Power&DSI4&5&6	24.12	24.01	24.00	24.50
1.4	QPSK	3	3	ANT0	Full Power&DSI4&5&6	23.99	23.82	24.05	24.50
1.4	QPSK	6	0	ANT0	Full Power&DSI4&5&6	22.98	22.82	23.02	23.50
1.4	16QAM	1	0	ANT0	Full Power&DSI4&5&6	23.08	23.30	22.95	23.50
1.4	16QAM	1	2	ANT0	Full Power&DSI4&5&6	23.22	23.06	23.13	23.50
1.4	16QAM	1	5	ANT0	Full Power&DSI4&5&6	23.28	23.29	23.03	23.50
1.4	16QAM	3	0	ANT0	Full Power&DSI4&5&6	23.08	22.85	22.85	23.50
1.4	16QAM	3	1	ANT0	Full Power&DSI4&5&6	22.94	23.06	22.91	23.50
1.4	16QAM	3	3	ANT0	Full Power&DSI4&5&6	23.08	22.87	23.01	23.50
1.4	16QAM	6	0	ANT0	Full Power&DSI4&5&6	22.01	21.94	21.83	22.50
1.4	64QAM	1	0	ANT0	Full Power&DSI4&5&6	22.30	22.33	21.95	22.50
1.4	64QAM	1	2	ANT0	Full Power&DSI4&5&6	22.01	22.37	21.86	22.50
1.4	64QAM	1	5	ANT0	Full Power&DSI4&5&6	22.19	22.33	22.22	22.50
1.4	64QAM	3	0	ANT0	Full Power&DSI4&5&6	21.75	22.18	22.03	22.50
1.4	64QAM	3	1	ANT0	Full Power&DSI4&5&6	22.10	22.02	21.79	22.50
1.4	64QAM	3	3	ANT0	Full Power&DSI4&5&6	22.06	22.02	21.84	22.50
1.4	64QAM	6	0	ANT0	Full Power&DSI4&5&6	20.73	21.08	20.97	21.50
1.4	256QAM	1	0	ANT0	Full Power&DSI4&5&6	19.22	19.22	19.00	19.50
1.4	256QAM	1	2	ANT0	Full Power&DSI4&5&6	19.08	19.29	19.21	19.50
1.4	256QAM	1	5	ANT0	Full Power&DSI4&5&6	19.28	19.35	19.07	19.50
1.4	256QAM	3	0	ANT0	Full Power&DSI4&5&6	18.91	19.09	19.07	19.50
1.4	256QAM	3	1	ANT0	Full Power&DSI4&5&6	19.03	18.93	18.83	19.50
1.4	256QAM	3	3	ANT0	Full Power&DSI4&5&6	18.88	18.77	18.73	19.50
1.4	256QAM	6	0	ANT0	Full Power&DSI4&5&6	18.87	18.74	18.97	19.50

Band				LTE Band66					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	131987	132322	132657	Tune-up power(dBm)
3	QPSK	1	0	ANT0	Full Power&DSI4&5&6	23.83	24.01	23.76	24.50
3	QPSK	1	7	ANT0	Full Power&DSI4&5&6	23.87	23.90	23.87	24.50
3	QPSK	1	14	ANT0	Full Power&DSI4&5&6	23.81	24.05	23.80	24.50
3	QPSK	8	0	ANT0	Full Power&DSI4&5&6	22.90	22.94	23.01	23.50
3	QPSK	8	3	ANT0	Full Power&DSI4&5&6	23.05	22.85	22.94	23.50
3	QPSK	8	7	ANT0	Full Power&DSI4&5&6	23.06	22.80	22.88	23.50
3	QPSK	15	0	ANT0	Full Power&DSI4&5&6	22.90	23.00	22.96	23.50
3	16QAM	1	0	ANT0	Full Power&DSI4&5&6	23.29	23.36	23.12	23.50
3	16QAM	1	7	ANT0	Full Power&DSI4&5&6	23.36	23.34	23.02	23.50
3	16QAM	1	14	ANT0	Full Power&DSI4&5&6	23.20	23.21	23.08	23.50
3	16QAM	8	0	ANT0	Full Power&DSI4&5&6	21.85	22.01	22.04	22.50
3	16QAM	8	3	ANT0	Full Power&DSI4&5&6	21.96	21.81	21.97	22.50
3	16QAM	8	7	ANT0	Full Power&DSI4&5&6	22.01	21.98	21.95	22.50
3	16QAM	15	0	ANT0	Full Power&DSI4&5&6	22.01	21.85	21.86	22.50
3	64QAM	1	0	ANT0	Full Power&DSI4&5&6	22.25	22.46	22.01	22.50
3	64QAM	1	7	ANT0	Full Power&DSI4&5&6	22.24	22.35	22.03	22.50
3	64QAM	1	14	ANT0	Full Power&DSI4&5&6	22.29	22.27	22.01	22.50
3	64QAM	8	0	ANT0	Full Power&DSI4&5&6	20.99	21.01	20.92	21.50
3	64QAM	8	3	ANT0	Full Power&DSI4&5&6	21.12	21.14	20.78	21.50
3	64QAM	8	7	ANT0	Full Power&DSI4&5&6	20.97	20.99	20.98	21.50
3	64QAM	15	0	ANT0	Full Power&DSI4&5&6	20.79	20.88	21.04	21.50
3	256QAM	1	0	ANT0	Full Power&DSI4&5&6	19.20	19.25	19.07	19.50
3	256QAM	1	7	ANT0	Full Power&DSI4&5&6	19.08	19.19	19.01	19.50
3	256QAM	1	14	ANT0	Full Power&DSI4&5&6	19.46	19.19	19.23	19.50
3	256QAM	8	0	ANT0	Full Power&DSI4&5&6	19.09	19.30	19.04	19.50
3	256QAM	8	3	ANT0	Full Power&DSI4&5&6	18.94	19.18	19.06	19.50
3	256QAM	8	7	ANT0	Full Power&DSI4&5&6	18.70	18.97	18.73	19.50
3	256QAM	15	0	ANT0	Full Power&DSI4&5&6	18.90	18.86	18.94	19.50

Band				LTE Band66					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	131997	132322	132647	Tune-up power(dBm)
5	QPSK	1	0	ANT0	Full Power&DSI4&5&6	23.80	23.84	23.80	24.50
5	QPSK	1	12	ANT0	Full Power&DSI4&5&6	23.86	23.89	23.80	24.50
5	QPSK	1	24	ANT0	Full Power&DSI4&5&6	23.88	24.07	23.95	24.50
5	QPSK	12	0	ANT0	Full Power&DSI4&5&6	23.00	22.88	22.81	23.50
5	QPSK	12	6	ANT0	Full Power&DSI4&5&6	23.01	22.83	23.04	23.50
5	QPSK	12	13	ANT0	Full Power&DSI4&5&6	23.05	23.03	22.96	23.50
5	QPSK	25	0	ANT0	Full Power&DSI4&5&6	22.97	22.92	23.06	23.50
5	16QAM	1	0	ANT0	Full Power&DSI4&5&6	23.22	23.41	23.03	23.50
5	16QAM	1	12	ANT0	Full Power&DSI4&5&6	23.29	23.16	23.19	23.50
5	16QAM	1	24	ANT0	Full Power&DSI4&5&6	23.27	23.30	23.15	23.50
5	16QAM	12	0	ANT0	Full Power&DSI4&5&6	22.00	22.04	22.02	22.50
5	16QAM	12	6	ANT0	Full Power&DSI4&5&6	22.06	21.82	21.86	22.50
5	16QAM	12	13	ANT0	Full Power&DSI4&5&6	22.05	21.99	22.16	22.50
5	16QAM	25	0	ANT0	Full Power&DSI4&5&6	21.87	21.95	21.98	22.50
5	64QAM	1	0	ANT0	Full Power&DSI4&5&6	22.27	22.24	21.98	22.50
5	64QAM	1	12	ANT0	Full Power&DSI4&5&6	22.11	22.29	22.00	22.50
5	64QAM	1	24	ANT0	Full Power&DSI4&5&6	22.12	22.41	21.98	22.50
5	64QAM	12	0	ANT0	Full Power&DSI4&5&6	20.90	21.26	21.12	21.50
5	64QAM	12	6	ANT0	Full Power&DSI4&5&6	20.99	21.18	20.87	21.50
5	64QAM	12	13	ANT0	Full Power&DSI4&5&6	20.80	21.06	20.86	21.50
5	64QAM	25	0	ANT0	Full Power&DSI4&5&6	20.85	20.89	20.97	21.50
5	256QAM	1	0	ANT0	Full Power&DSI4&5&6	19.28	19.20	18.98	19.50
5	256QAM	1	12	ANT0	Full Power&DSI4&5&6	19.20	19.06	18.98	19.50
5	256QAM	1	24	ANT0	Full Power&DSI4&5&6	19.37	19.14	19.15	19.50
5	256QAM	12	0	ANT0	Full Power&DSI4&5&6	18.96	19.22	18.86	19.50
5	256QAM	12	6	ANT0	Full Power&DSI4&5&6	18.92	19.09	19.02	19.50
5	256QAM	12	13	ANT0	Full Power&DSI4&5&6	18.94	18.73	18.90	19.50
5	256QAM	25	0	ANT0	Full Power&DSI4&5&6	18.79	18.80	19.19	19.50

Band				LTE Band66					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	132022	132322	132622	Tune-up power(dBm)
10	QPSK	1	0	ANT0	Full Power&DSI4&5&6	23.89	24.08	23.88	24.50
10	QPSK	1	24	ANT0	Full Power&DSI4&5&6	23.94	23.83	23.78	24.50
10	QPSK	1	49	ANT0	Full Power&DSI4&5&6	23.98	23.98	23.89	24.50
10	QPSK	25	0	ANT0	Full Power&DSI4&5&6	23.02	22.98	22.91	23.50
10	QPSK	25	12	ANT0	Full Power&DSI4&5&6	22.90	22.77	22.88	23.50
10	QPSK	25	25	ANT0	Full Power&DSI4&5&6	23.11	23.07	23.03	23.50
10	QPSK	50	0	ANT0	Full Power&DSI4&5&6	22.97	22.84	22.94	23.50
10	16QAM	1	0	ANT0	Full Power&DSI4&5&6	23.27	23.15	23.07	23.50
10	16QAM	1	24	ANT0	Full Power&DSI4&5&6	23.37	23.34	23.01	23.50
10	16QAM	1	49	ANT0	Full Power&DSI4&5&6	23.38	23.18	23.16	23.50
10	16QAM	25	0	ANT0	Full Power&DSI4&5&6	22.01	21.91	22.09	22.50
10	16QAM	25	12	ANT0	Full Power&DSI4&5&6	22.04	21.81	21.88	22.50
10	16QAM	25	25	ANT0	Full Power&DSI4&5&6	22.17	22.03	22.10	22.50
10	16QAM	50	0	ANT0	Full Power&DSI4&5&6	21.87	22.06	22.02	22.50
10	64QAM	1	0	ANT0	Full Power&DSI4&5&6	22.26	22.39	22.10	22.50
10	64QAM	1	24	ANT0	Full Power&DSI4&5&6	22.13	22.09	21.98	22.50
10	64QAM	1	49	ANT0	Full Power&DSI4&5&6	22.24	22.28	22.00	22.50
10	64QAM	25	0	ANT0	Full Power&DSI4&5&6	21.00	21.15	21.14	21.50
10	64QAM	25	12	ANT0	Full Power&DSI4&5&6	21.06	20.92	21.06	21.50
10	64QAM	25	25	ANT0	Full Power&DSI4&5&6	20.85	21.06	20.91	21.50
10	64QAM	50	0	ANT0	Full Power&DSI4&5&6	21.01	20.88	21.00	21.50
10	256QAM	1	0	ANT0	Full Power&DSI4&5&6	19.21	19.22	18.90	19.50
10	256QAM	1	24	ANT0	Full Power&DSI4&5&6	19.23	19.27	18.92	19.50
10	256QAM	1	49	ANT0	Full Power&DSI4&5&6	19.19	19.39	19.15	19.50
10	256QAM	25	0	ANT0	Full Power&DSI4&5&6	19.11	19.22	18.97	19.50
10	256QAM	25	12	ANT0	Full Power&DSI4&5&6	19.06	19.15	18.92	19.50
10	256QAM	25	25	ANT0	Full Power&DSI4&5&6	18.86	18.79	18.99	19.50
10	256QAM	50	0	ANT0	Full Power&DSI4&5&6	18.93	18.79	19.21	19.50

Band				LTE Band66					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	132047	132322	132597	Tune-up power(dBm)
15	QPSK	1	0	ANT0	Full Power&DSI4&5&6	23.88	23.99	23.86	24.50
15	QPSK	1	37	ANT0	Full Power&DSI4&5&6	23.99	24.03	24.02	24.50
15	QPSK	1	74	ANT0	Full Power&DSI4&5&6	23.81	24.05	23.93	24.50
15	QPSK	36	0	ANT0	Full Power&DSI4&5&6	22.91	22.83	23.03	23.50
15	QPSK	36	19	ANT0	Full Power&DSI4&5&6	22.92	22.82	23.00	23.50
15	QPSK	36	39	ANT0	Full Power&DSI4&5&6	23.01	23.07	22.91	23.50
15	QPSK	75	0	ANT0	Full Power&DSI4&5&6	23.00	22.84	22.87	23.50
15	16QAM	1	0	ANT0	Full Power&DSI4&5&6	23.29	23.40	22.96	23.50
15	16QAM	1	37	ANT0	Full Power&DSI4&5&6	23.28	23.27	23.00	23.50
15	16QAM	1	74	ANT0	Full Power&DSI4&5&6	23.38	23.32	23.10	23.50
15	16QAM	36	0	ANT0	Full Power&DSI4&5&6	21.97	21.92	22.09	22.50
15	16QAM	36	19	ANT0	Full Power&DSI4&5&6	22.05	22.06	21.99	22.50
15	16QAM	36	39	ANT0	Full Power&DSI4&5&6	22.11	22.01	22.11	22.50
15	16QAM	75	0	ANT0	Full Power&DSI4&5&6	21.88	22.05	21.90	22.50
15	64QAM	1	0	ANT0	Full Power&DSI4&5&6	22.20	22.35	21.95	22.50
15	64QAM	1	37	ANT0	Full Power&DSI4&5&6	22.13	22.22	21.97	22.50
15	64QAM	1	74	ANT0	Full Power&DSI4&5&6	22.32	22.30	22.05	22.50
15	64QAM	36	0	ANT0	Full Power&DSI4&5&6	20.90	21.26	21.13	21.50
15	64QAM	36	19	ANT0	Full Power&DSI4&5&6	21.14	21.18	21.01	21.50
15	64QAM	36	39	ANT0	Full Power&DSI4&5&6	20.93	20.90	20.88	21.50
15	64QAM	75	0	ANT0	Full Power&DSI4&5&6	20.95	21.01	20.93	21.50
15	256QAM	1	0	ANT0	Full Power&DSI4&5&6	19.31	19.43	19.04	19.50
15	256QAM	1	37	ANT0	Full Power&DSI4&5&6	19.35	19.28	19.04	19.50
15	256QAM	1	74	ANT0	Full Power&DSI4&5&6	19.20	19.33	19.18	19.50
15	256QAM	36	0	ANT0	Full Power&DSI4&5&6	18.98	19.25	18.98	19.50
15	256QAM	36	19	ANT0	Full Power&DSI4&5&6	19.12	18.93	18.92	19.50
15	256QAM	36	39	ANT0	Full Power&DSI4&5&6	18.90	18.71	18.79	19.50
15	256QAM	75	0	ANT0	Full Power&DSI4&5&6	18.93	19.01	19.01	19.50

Band				LTE Band66					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	132072	132322	132572	Tune-up power(dBm)
20	QPSK	1	0	ANT0	Full Power&DSI4&5&6	23.80	23.93	23.82	24.50
20	QPSK	1	49	ANT0	Full Power&DSI4&5&6	23.84	23.88	23.88	24.50
20	QPSK	1	99	ANT0	Full Power&DSI4&5&6	23.91	23.99	23.89	24.50
20	QPSK	50	0	ANT0	Full Power&DSI4&5&6	22.95	22.94	22.92	23.50
20	QPSK	50	25	ANT0	Full Power&DSI4&5&6	22.90	22.99	22.97	23.50
20	QPSK	50	50	ANT0	Full Power&DSI4&5&6	23.01	22.93	22.97	23.50
20	QPSK	100	0	ANT0	Full Power&DSI4&5&6	22.97	22.89	22.97	23.50
20	16QAM	1	0	ANT0	Full Power&DSI4&5&6	23.20	23.28	23.06	23.50
20	16QAM	1	49	ANT0	Full Power&DSI4&5&6	23.27	23.20	23.09	23.50
20	16QAM	1	99	ANT0	Full Power&DSI4&5&6	23.34	23.32	23.04	23.50
20	16QAM	50	0	ANT0	Full Power&DSI4&5&6	21.98	21.98	21.97	22.50
20	16QAM	50	25	ANT0	Full Power&DSI4&5&6	22.05	21.95	22.00	22.50
20	16QAM	50	50	ANT0	Full Power&DSI4&5&6	22.05	21.99	22.03	22.50
20	16QAM	100	0	ANT0	Full Power&DSI4&5&6	22.01	21.92	21.97	22.50
20	64QAM	1	0	ANT0	Full Power&DSI4&5&6	22.15	22.31	22.00	22.50
20	64QAM	1	49	ANT0	Full Power&DSI4&5&6	22.12	22.22	21.94	22.50
20	64QAM	1	99	ANT0	Full Power&DSI4&5&6	22.26	22.39	22.11	22.50
20	64QAM	50	0	ANT0	Full Power&DSI4&5&6	20.88	21.11	21.02	21.50
20	64QAM	50	25	ANT0	Full Power&DSI4&5&6	21.07	21.05	20.93	21.50
20	64QAM	50	50	ANT0	Full Power&DSI4&5&6	20.94	20.91	20.95	21.50
20	64QAM	100	0	ANT0	Full Power&DSI4&5&6	20.88	21.00	21.02	21.50
20	256QAM	1	0	ANT0	Full Power&DSI4&5&6	19.18	19.32	18.95	19.50
20	256QAM	1	49	ANT0	Full Power&DSI4&5&6	19.21	19.20	19.07	19.50
20	256QAM	1	99	ANT0	Full Power&DSI4&5&6	19.31	19.25	19.20	19.50
20	256QAM	50	0	ANT0	Full Power&DSI4&5&6	18.96	19.23	19.01	19.50
20	256QAM	50	25	ANT0	Full Power&DSI4&5&6	18.99	19.04	18.98	19.50
20	256QAM	50	50	ANT0	Full Power&DSI4&5&6	18.80	18.85	18.87	19.50
20	256QAM	100	0	ANT0	Full Power&DSI4&5&6	18.90	18.88	19.08	19.50

Band				LTE Band66					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	131979	132322	132665	Tune-up power(dBm)
1.4	QPSK	1	0	ANT0	DSI1&2	23.06	23.15	23.02	24.50
1.4	QPSK	1	2	ANT0	DSI1&2	23.11	23.00	23.12	24.50
1.4	QPSK	1	5	ANT0	DSI1&2	23.10	23.01	23.18	24.50
1.4	QPSK	3	0	ANT0	DSI1&2	23.25	23.16	23.30	24.50
1.4	QPSK	3	1	ANT0	DSI1&2	23.19	23.21	23.25	24.50
1.4	QPSK	3	3	ANT0	DSI1&2	23.24	23.06	23.23	24.50
1.4	QPSK	6	0	ANT0	DSI1&2	22.71	22.52	22.79	23.50
1.4	16QAM	1	0	ANT0	DSI1&2	22.70	22.58	22.67	23.50
1.4	16QAM	1	2	ANT0	DSI1&2	22.62	22.52	22.52	23.50
1.4	16QAM	1	5	ANT0	DSI1&2	22.69	22.79	22.80	23.50
1.4	16QAM	3	0	ANT0	DSI1&2	22.57	22.73	22.67	23.50
1.4	16QAM	3	1	ANT0	DSI1&2	22.66	22.76	22.69	23.50
1.4	16QAM	3	3	ANT0	DSI1&2	22.70	22.60	22.57	23.50
1.4	16QAM	6	0	ANT0	DSI1&2	21.59	21.62	21.68	22.50
1.4	64QAM	1	0	ANT0	DSI1&2	21.67	21.72	21.61	22.50
1.4	64QAM	1	2	ANT0	DSI1&2	21.55	21.67	21.71	22.50
1.4	64QAM	1	5	ANT0	DSI1&2	21.59	21.55	21.51	22.50
1.4	64QAM	3	0	ANT0	DSI1&2	21.65	21.80	21.65	22.50
1.4	64QAM	3	1	ANT0	DSI1&2	21.75	21.74	21.65	22.50
1.4	64QAM	3	3	ANT0	DSI1&2	21.68	21.68	21.79	22.50
1.4	64QAM	6	0	ANT0	DSI1&2	20.52	20.75	20.70	21.50
1.4	256QAM	1	0	ANT0	DSI1&2	18.80	18.54	18.53	19.50
1.4	256QAM	1	2	ANT0	DSI1&2	18.53	18.80	18.56	19.50
1.4	256QAM	1	5	ANT0	DSI1&2	18.57	18.66	18.50	19.50
1.4	256QAM	3	0	ANT0	DSI1&2	18.55	18.76	18.57	19.50
1.4	256QAM	3	1	ANT0	DSI1&2	18.71	18.55	18.79	19.50
1.4	256QAM	3	3	ANT0	DSI1&2	18.67	18.55	18.51	19.50
1.4	256QAM	6	0	ANT0	DSI1&2	18.71	18.62	18.61	19.50

Band				LTE Band66					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	131987	132322	132657	Tune-up power(dBm)
3	QPSK	1	0	ANT0	DSI1&2	23.03	23.30	23.03	24.50
3	QPSK	1	7	ANT0	DSI1&2	23.15	23.14	23.14	24.50
3	QPSK	1	14	ANT0	DSI1&2	23.27	23.05	23.30	24.50
3	QPSK	8	0	ANT0	DSI1&2	22.66	22.77	22.62	23.50
3	QPSK	8	3	ANT0	DSI1&2	22.53	22.59	22.62	23.50
3	QPSK	8	7	ANT0	DSI1&2	22.61	22.54	22.62	23.50
3	QPSK	15	0	ANT0	DSI1&2	22.59	22.59	22.59	23.50
3	16QAM	1	0	ANT0	DSI1&2	22.50	22.50	22.79	23.50
3	16QAM	1	7	ANT0	DSI1&2	22.64	22.72	22.63	23.50
3	16QAM	1	14	ANT0	DSI1&2	22.76	22.69	22.64	23.50
3	16QAM	8	0	ANT0	DSI1&2	21.72	21.78	21.51	22.50
3	16QAM	8	3	ANT0	DSI1&2	21.68	21.76	21.77	22.50
3	16QAM	8	7	ANT0	DSI1&2	21.64	21.60	21.63	22.50
3	16QAM	15	0	ANT0	DSI1&2	21.74	21.64	21.67	22.50
3	64QAM	1	0	ANT0	DSI1&2	21.65	21.57	21.54	22.50
3	64QAM	1	7	ANT0	DSI1&2	21.68	21.51	21.66	22.50
3	64QAM	1	14	ANT0	DSI1&2	21.72	21.79	21.65	22.50
3	64QAM	8	0	ANT0	DSI1&2	20.59	20.56	20.66	21.50
3	64QAM	8	3	ANT0	DSI1&2	20.68	20.65	20.61	21.50
3	64QAM	8	7	ANT0	DSI1&2	20.63	20.66	20.55	21.50
3	64QAM	15	0	ANT0	DSI1&2	20.58	20.79	20.68	21.50
3	256QAM	1	0	ANT0	DSI1&2	18.55	18.79	18.76	19.50
3	256QAM	1	7	ANT0	DSI1&2	18.72	18.53	18.78	19.50
3	256QAM	1	14	ANT0	DSI1&2	18.76	18.65	18.78	19.50
3	256QAM	8	0	ANT0	DSI1&2	18.77	18.75	18.78	19.50
3	256QAM	8	3	ANT0	DSI1&2	18.68	18.77	18.73	19.50
3	256QAM	8	7	ANT0	DSI1&2	18.60	18.74	18.57	19.50
3	256QAM	15	0	ANT0	DSI1&2	18.68	18.53	18.71	19.50

Band				LTE Band66					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	131997	132322	132647	Tune-up power(dBm)
5	QPSK	1	0	ANT0	DSI1&2	23.22	23.13	23.17	24.50
5	QPSK	1	12	ANT0	DSI1&2	23.11	23.26	23.14	24.50
5	QPSK	1	24	ANT0	DSI1&2	23.29	23.16	23.02	24.50
5	QPSK	12	0	ANT0	DSI1&2	22.60	22.69	22.78	23.50
5	QPSK	12	6	ANT0	DSI1&2	22.64	22.56	22.51	23.50
5	QPSK	12	13	ANT0	DSI1&2	22.52	22.75	22.80	23.50
5	QPSK	25	0	ANT0	DSI1&2	22.55	22.77	22.73	23.50
5	16QAM	1	0	ANT0	DSI1&2	22.72	22.78	22.57	23.50
5	16QAM	1	12	ANT0	DSI1&2	22.52	22.53	22.52	23.50
5	16QAM	1	24	ANT0	DSI1&2	22.57	22.56	22.61	23.50
5	16QAM	12	0	ANT0	DSI1&2	21.70	21.71	21.73	22.50
5	16QAM	12	6	ANT0	DSI1&2	21.63	21.73	21.70	22.50
5	16QAM	12	13	ANT0	DSI1&2	21.52	21.52	21.52	22.50
5	16QAM	25	0	ANT0	DSI1&2	21.70	21.75	21.59	22.50
5	64QAM	1	0	ANT0	DSI1&2	21.70	21.54	21.76	22.50
5	64QAM	1	12	ANT0	DSI1&2	21.78	21.57	21.66	22.50
5	64QAM	1	24	ANT0	DSI1&2	21.57	21.60	21.76	22.50
5	64QAM	12	0	ANT0	DSI1&2	20.52	20.63	20.56	21.50
5	64QAM	12	6	ANT0	DSI1&2	20.59	20.69	20.72	21.50
5	64QAM	12	13	ANT0	DSI1&2	20.50	20.53	20.72	21.50
5	64QAM	25	0	ANT0	DSI1&2	20.58	20.62	20.68	21.50
5	256QAM	1	0	ANT0	DSI1&2	18.80	18.56	18.50	19.50
5	256QAM	1	12	ANT0	DSI1&2	18.68	18.62	18.63	19.50
5	256QAM	1	24	ANT0	DSI1&2	18.77	18.70	18.63	19.50
5	256QAM	12	0	ANT0	DSI1&2	18.64	18.58	18.52	19.50
5	256QAM	12	6	ANT0	DSI1&2	18.58	18.73	18.51	19.50
5	256QAM	12	13	ANT0	DSI1&2	18.59	18.55	18.72	19.50
5	256QAM	25	0	ANT0	DSI1&2	18.74	18.53	18.54	19.50

Band				LTE Band66					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	132022	132322	132622	Tune-up power(dBm)
10	QPSK	1	0	ANT0	DSI1&2	23.09	23.12	23.18	24.50
10	QPSK	1	24	ANT0	DSI1&2	23.19	23.25	23.21	24.50
10	QPSK	1	49	ANT0	DSI1&2	23.21	23.01	23.02	24.50
10	QPSK	25	0	ANT0	DSI1&2	22.64	22.79	22.77	23.50
10	QPSK	25	12	ANT0	DSI1&2	22.58	22.67	22.75	23.50
10	QPSK	25	25	ANT0	DSI1&2	22.64	22.68	22.62	23.50
10	QPSK	50	0	ANT0	DSI1&2	22.52	22.73	22.54	23.50
10	16QAM	1	0	ANT0	DSI1&2	22.55	22.79	22.74	23.50
10	16QAM	1	24	ANT0	DSI1&2	22.56	22.76	22.50	23.50
10	16QAM	1	49	ANT0	DSI1&2	22.62	22.55	22.60	23.50
10	16QAM	25	0	ANT0	DSI1&2	21.67	21.72	21.79	22.50
10	16QAM	25	12	ANT0	DSI1&2	21.60	21.79	21.79	22.50
10	16QAM	25	25	ANT0	DSI1&2	21.74	21.60	21.59	22.50
10	16QAM	50	0	ANT0	DSI1&2	21.52	21.72	21.59	22.50
10	64QAM	1	0	ANT0	DSI1&2	21.77	21.72	21.78	22.50
10	64QAM	1	24	ANT0	DSI1&2	21.53	21.53	21.68	22.50
10	64QAM	1	49	ANT0	DSI1&2	21.71	21.65	21.77	22.50
10	64QAM	25	0	ANT0	DSI1&2	20.70	20.78	20.75	21.50
10	64QAM	25	12	ANT0	DSI1&2	20.68	20.55	20.77	21.50
10	64QAM	25	25	ANT0	DSI1&2	20.52	20.58	20.58	21.50
10	64QAM	50	0	ANT0	DSI1&2	20.65	20.78	20.68	21.50
10	256QAM	1	0	ANT0	DSI1&2	18.54	18.63	18.70	19.50
10	256QAM	1	24	ANT0	DSI1&2	18.69	18.80	18.60	19.50
10	256QAM	1	49	ANT0	DSI1&2	18.52	18.72	18.73	19.50
10	256QAM	25	0	ANT0	DSI1&2	18.79	18.79	18.77	19.50
10	256QAM	25	12	ANT0	DSI1&2	18.56	18.78	18.61	19.50
10	256QAM	25	25	ANT0	DSI1&2	18.62	18.54	18.52	19.50
10	256QAM	50	0	ANT0	DSI1&2	18.77	18.69	18.63	19.50

Band				LTE Band66					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	132047	132322	132597	Tune-up power(dBm)
15	QPSK	1	0	ANT0	DSI1&2	23.30	23.28	23.23	24.50
15	QPSK	1	37	ANT0	DSI1&2	23.09	23.20	23.26	24.50
15	QPSK	1	74	ANT0	DSI1&2	23.08	23.09	23.29	24.50
15	QPSK	36	0	ANT0	DSI1&2	22.62	22.65	22.64	23.50
15	QPSK	36	19	ANT0	DSI1&2	22.60	22.59	22.52	23.50
15	QPSK	36	39	ANT0	DSI1&2	22.61	22.68	22.53	23.50
15	QPSK	75	0	ANT0	DSI1&2	22.62	22.78	22.62	23.50
15	16QAM	1	0	ANT0	DSI1&2	22.51	22.61	22.76	23.50
15	16QAM	1	37	ANT0	DSI1&2	22.61	22.65	22.68	23.50
15	16QAM	1	74	ANT0	DSI1&2	22.60	22.52	22.52	23.50
15	16QAM	36	0	ANT0	DSI1&2	21.56	21.51	21.69	22.50
15	16QAM	36	19	ANT0	DSI1&2	21.68	21.54	21.61	22.50
15	16QAM	36	39	ANT0	DSI1&2	21.66	21.57	21.63	22.50
15	16QAM	75	0	ANT0	DSI1&2	21.51	21.67	21.65	22.50
15	64QAM	1	0	ANT0	DSI1&2	21.55	21.61	21.71	22.50
15	64QAM	1	37	ANT0	DSI1&2	21.65	21.69	21.78	22.50
15	64QAM	1	74	ANT0	DSI1&2	21.52	21.57	21.54	22.50
15	64QAM	36	0	ANT0	DSI1&2	20.62	20.76	20.62	21.50
15	64QAM	36	19	ANT0	DSI1&2	20.56	20.80	20.58	21.50
15	64QAM	36	39	ANT0	DSI1&2	20.77	20.58	20.51	21.50
15	64QAM	75	0	ANT0	DSI1&2	20.54	20.75	20.54	21.50
15	256QAM	1	0	ANT0	DSI1&2	18.65	18.62	18.72	19.50
15	256QAM	1	37	ANT0	DSI1&2	18.79	18.62	18.64	19.50
15	256QAM	1	74	ANT0	DSI1&2	18.58	18.62	18.52	19.50
15	256QAM	36	0	ANT0	DSI1&2	18.76	18.66	18.52	19.50
15	256QAM	36	19	ANT0	DSI1&2	18.73	18.51	18.77	19.50
15	256QAM	36	39	ANT0	DSI1&2	18.75	18.56	18.50	19.50
15	256QAM	75	0	ANT0	DSI1&2	18.50	18.58	18.64	19.50

Band				LTE Band66					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	132072	132322	132572	Tune-up power(dBm)
20	QPSK	1	0	ANT0	DSI1&2	23.22	23.32	23.06	24.50
20	QPSK	1	49	ANT0	DSI1&2	23.07	23.26	23.24	24.50
20	QPSK	1	99	ANT0	DSI1&2	23.05	23.08	23.22	24.50
20	QPSK	50	0	ANT0	DSI1&2	22.78	22.64	22.50	23.50
20	QPSK	50	25	ANT0	DSI1&2	22.71	22.51	22.57	23.50
20	QPSK	50	50	ANT0	DSI1&2	22.67	22.57	22.71	23.50
20	QPSK	100	0	ANT0	DSI1&2	22.58	22.52	22.64	23.50
20	16QAM	1	0	ANT0	DSI1&2	22.79	22.52	22.57	23.50
20	16QAM	1	49	ANT0	DSI1&2	22.50	22.64	22.78	23.50
20	16QAM	1	99	ANT0	DSI1&2	22.63	22.52	22.70	23.50
20	16QAM	50	0	ANT0	DSI1&2	21.66	21.80	21.79	22.50
20	16QAM	50	25	ANT0	DSI1&2	21.59	21.61	21.52	22.50
20	16QAM	50	50	ANT0	DSI1&2	21.50	21.79	21.56	22.50
20	16QAM	100	0	ANT0	DSI1&2	21.55	21.68	21.65	22.50
20	64QAM	1	0	ANT0	DSI1&2	21.51	21.59	21.67	22.50
20	64QAM	1	49	ANT0	DSI1&2	21.67	21.72	21.60	22.50
20	64QAM	1	99	ANT0	DSI1&2	21.64	21.55	21.79	22.50
20	64QAM	50	0	ANT0	DSI1&2	20.73	20.68	20.74	21.50
20	64QAM	50	25	ANT0	DSI1&2	20.64	20.59	20.67	21.50
20	64QAM	50	50	ANT0	DSI1&2	20.79	20.67	20.58	21.50
20	64QAM	100	0	ANT0	DSI1&2	20.72	20.63	20.67	21.50
20	256QAM	1	0	ANT0	DSI1&2	18.65	18.69	18.53	19.50
20	256QAM	1	49	ANT0	DSI1&2	18.79	18.67	18.80	19.50
20	256QAM	1	99	ANT0	DSI1&2	18.68	18.63	18.79	19.50
20	256QAM	50	0	ANT0	DSI1&2	18.52	18.72	18.51	19.50
20	256QAM	50	25	ANT0	DSI1&2	18.80	18.56	18.76	19.50
20	256QAM	50	50	ANT0	DSI1&2	18.65	18.77	18.55	19.50
20	256QAM	100	0	ANT0	DSI1&2	18.56	18.66	18.56	19.50

Band				LTE Band66					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	131979	132322	132665	Tune-up power(dBm)
1.4	QPSK	1	0	ANT0	DSI3	22.68	22.52	22.50	24.50
1.4	QPSK	1	2	ANT0	DSI3	22.68	22.70	22.60	24.50
1.4	QPSK	1	5	ANT0	DSI3	22.69	22.60	22.62	24.50
1.4	QPSK	3	0	ANT0	DSI3	22.69	22.53	22.65	24.50
1.4	QPSK	3	1	ANT0	DSI3	22.66	22.54	22.63	24.50
1.4	QPSK	3	3	ANT0	DSI3	22.58	22.66	22.62	24.50
1.4	QPSK	6	0	ANT0	DSI3	22.63	22.57	22.68	23.50
1.4	16QAM	1	0	ANT0	DSI3	22.66	22.64	22.70	23.50
1.4	16QAM	1	2	ANT0	DSI3	22.55	22.53	22.57	23.50
1.4	16QAM	1	5	ANT0	DSI3	22.59	22.55	22.60	23.50
1.4	16QAM	3	0	ANT0	DSI3	22.58	22.56	22.51	23.50
1.4	16QAM	3	1	ANT0	DSI3	22.59	22.69	22.64	23.50
1.4	16QAM	3	3	ANT0	DSI3	22.59	22.69	22.63	23.50
1.4	16QAM	6	0	ANT0	DSI3	21.63	21.52	21.67	22.50
1.4	64QAM	1	0	ANT0	DSI3	21.69	21.53	21.59	22.50
1.4	64QAM	1	2	ANT0	DSI3	21.70	21.58	21.51	22.50
1.4	64QAM	1	5	ANT0	DSI3	21.66	21.69	21.50	22.50
1.4	64QAM	3	0	ANT0	DSI3	21.61	21.61	21.69	22.50
1.4	64QAM	3	1	ANT0	DSI3	21.70	21.62	21.61	22.50
1.4	64QAM	3	3	ANT0	DSI3	21.63	21.63	21.69	22.50
1.4	64QAM	6	0	ANT0	DSI3	20.52	20.70	20.55	21.50
1.4	256QAM	1	0	ANT0	DSI3	18.57	18.54	18.65	19.50
1.4	256QAM	1	2	ANT0	DSI3	18.57	18.51	18.61	19.50
1.4	256QAM	1	5	ANT0	DSI3	18.57	18.57	18.70	19.50
1.4	256QAM	3	0	ANT0	DSI3	18.54	18.61	18.53	19.50
1.4	256QAM	3	1	ANT0	DSI3	18.53	18.59	18.57	19.50
1.4	256QAM	3	3	ANT0	DSI3	18.62	18.53	18.62	19.50
1.4	256QAM	6	0	ANT0	DSI3	18.54	18.50	18.54	19.50

Band				LTE Band66					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	131987	132322	132657	Tune-up power(dBm)
3	QPSK	1	0	ANT0	DSI3	22.50	22.64	22.63	24.50
3	QPSK	1	7	ANT0	DSI3	22.61	22.68	22.54	24.50
3	QPSK	1	14	ANT0	DSI3	22.66	22.63	22.69	24.50
3	QPSK	8	0	ANT0	DSI3	22.55	22.60	22.59	23.50
3	QPSK	8	3	ANT0	DSI3	22.68	22.70	22.70	23.50
3	QPSK	8	7	ANT0	DSI3	22.64	22.64	22.60	23.50
3	QPSK	15	0	ANT0	DSI3	22.64	22.58	22.51	23.50
3	16QAM	1	0	ANT0	DSI3	22.55	22.64	22.54	23.50
3	16QAM	1	7	ANT0	DSI3	22.55	22.69	22.62	23.50
3	16QAM	1	14	ANT0	DSI3	22.59	22.69	22.68	23.50
3	16QAM	8	0	ANT0	DSI3	21.51	21.53	21.67	22.50
3	16QAM	8	3	ANT0	DSI3	21.55	21.67	21.62	22.50
3	16QAM	8	7	ANT0	DSI3	21.57	21.68	21.70	22.50
3	16QAM	15	0	ANT0	DSI3	21.53	21.51	21.56	22.50
3	64QAM	1	0	ANT0	DSI3	21.68	21.65	21.56	22.50
3	64QAM	1	7	ANT0	DSI3	21.57	21.56	21.59	22.50
3	64QAM	1	14	ANT0	DSI3	21.51	21.64	21.56	22.50
3	64QAM	8	0	ANT0	DSI3	20.59	20.65	20.51	21.50
3	64QAM	8	3	ANT0	DSI3	20.60	20.70	20.50	21.50
3	64QAM	8	7	ANT0	DSI3	20.53	20.68	20.56	21.50
3	64QAM	15	0	ANT0	DSI3	20.66	20.65	20.57	21.50
3	256QAM	1	0	ANT0	DSI3	18.67	18.55	18.59	19.50
3	256QAM	1	7	ANT0	DSI3	18.63	18.62	18.51	19.50
3	256QAM	1	14	ANT0	DSI3	18.56	18.70	18.65	19.50
3	256QAM	8	0	ANT0	DSI3	18.59	18.67	18.66	19.50
3	256QAM	8	3	ANT0	DSI3	18.53	18.55	18.58	19.50
3	256QAM	8	7	ANT0	DSI3	18.61	18.65	18.59	19.50
3	256QAM	15	0	ANT0	DSI3	18.70	18.54	18.66	19.50

Band				LTE Band66					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	131997	132322	132647	Tune-up power(dBm)
5	QPSK	1	0	ANT0	DSI3	22.55	22.58	22.64	24.50
5	QPSK	1	12	ANT0	DSI3	22.70	22.50	22.51	24.50
5	QPSK	1	24	ANT0	DSI3	22.57	22.57	22.70	24.50
5	QPSK	12	0	ANT0	DSI3	22.67	22.70	22.55	23.50
5	QPSK	12	6	ANT0	DSI3	22.52	22.66	22.63	23.50
5	QPSK	12	13	ANT0	DSI3	22.59	22.70	22.50	23.50
5	QPSK	25	0	ANT0	DSI3	22.64	22.69	22.50	23.50
5	16QAM	1	0	ANT0	DSI3	22.61	22.60	22.62	23.50
5	16QAM	1	12	ANT0	DSI3	22.52	22.60	22.52	23.50
5	16QAM	1	24	ANT0	DSI3	22.57	22.61	22.50	23.50
5	16QAM	12	0	ANT0	DSI3	21.54	21.68	21.55	22.50
5	16QAM	12	6	ANT0	DSI3	21.68	21.57	21.66	22.50
5	16QAM	12	13	ANT0	DSI3	21.54	21.66	21.54	22.50
5	16QAM	25	0	ANT0	DSI3	21.55	21.56	21.59	22.50
5	64QAM	1	0	ANT0	DSI3	21.66	21.60	21.70	22.50
5	64QAM	1	12	ANT0	DSI3	21.58	21.50	21.51	22.50
5	64QAM	1	24	ANT0	DSI3	21.52	21.55	21.61	22.50
5	64QAM	12	0	ANT0	DSI3	20.50	20.63	20.63	21.50
5	64QAM	12	6	ANT0	DSI3	20.69	20.61	20.63	21.50
5	64QAM	12	13	ANT0	DSI3	20.61	20.66	20.61	21.50
5	64QAM	25	0	ANT0	DSI3	20.54	20.60	20.56	21.50
5	256QAM	1	0	ANT0	DSI3	18.58	18.63	18.69	19.50
5	256QAM	1	12	ANT0	DSI3	18.69	18.64	18.68	19.50
5	256QAM	1	24	ANT0	DSI3	18.57	18.55	18.53	19.50
5	256QAM	12	0	ANT0	DSI3	18.56	18.53	18.52	19.50
5	256QAM	12	6	ANT0	DSI3	18.65	18.51	18.64	19.50
5	256QAM	12	13	ANT0	DSI3	18.63	18.62	18.53	19.50
5	256QAM	25	0	ANT0	DSI3	18.53	18.55	18.50	19.50

Band				LTE Band66					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	132022	132322	132622	Tune-up power(dBm)
10	QPSK	1	0	ANT0	DSI3	22.53	22.53	22.65	24.50
10	QPSK	1	24	ANT0	DSI3	22.53	22.64	22.65	24.50
10	QPSK	1	49	ANT0	DSI3	22.66	22.59	22.65	24.50
10	QPSK	25	0	ANT0	DSI3	22.57	22.51	22.63	23.50
10	QPSK	25	12	ANT0	DSI3	22.50	22.62	22.69	23.50
10	QPSK	25	25	ANT0	DSI3	22.67	22.56	22.67	23.50
10	QPSK	50	0	ANT0	DSI3	22.52	22.52	22.54	23.50
10	16QAM	1	0	ANT0	DSI3	22.55	22.56	22.53	23.50
10	16QAM	1	24	ANT0	DSI3	22.60	22.67	22.52	23.50
10	16QAM	1	49	ANT0	DSI3	22.66	22.52	22.57	23.50
10	16QAM	25	0	ANT0	DSI3	21.58	21.59	21.58	22.50
10	16QAM	25	12	ANT0	DSI3	21.61	21.56	21.52	22.50
10	16QAM	25	25	ANT0	DSI3	21.54	21.66	21.50	22.50
10	16QAM	50	0	ANT0	DSI3	21.63	21.52	21.63	22.50
10	64QAM	1	0	ANT0	DSI3	21.64	21.61	21.65	22.50
10	64QAM	1	24	ANT0	DSI3	21.58	21.67	21.55	22.50
10	64QAM	1	49	ANT0	DSI3	21.58	21.61	21.58	22.50
10	64QAM	25	0	ANT0	DSI3	20.58	20.64	20.62	21.50
10	64QAM	25	12	ANT0	DSI3	20.55	20.53	20.54	21.50
10	64QAM	25	25	ANT0	DSI3	20.61	20.66	20.68	21.50
10	64QAM	50	0	ANT0	DSI3	20.51	20.65	20.70	21.50
10	256QAM	1	0	ANT0	DSI3	18.54	18.50	18.51	19.50
10	256QAM	1	24	ANT0	DSI3	18.53	18.61	18.60	19.50
10	256QAM	1	49	ANT0	DSI3	18.59	18.61	18.55	19.50
10	256QAM	25	0	ANT0	DSI3	18.58	18.67	18.60	19.50
10	256QAM	25	12	ANT0	DSI3	18.66	18.55	18.64	19.50
10	256QAM	25	25	ANT0	DSI3	18.62	18.59	18.64	19.50
10	256QAM	50	0	ANT0	DSI3	18.67	18.52	18.63	19.50

Band				LTE Band66					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	132047	132322	132597	Tune-up power(dBm)
15	QPSK	1	0	ANT0	DSI3	22.51	22.63	22.56	24.50
15	QPSK	1	37	ANT0	DSI3	22.58	22.52	22.56	24.50
15	QPSK	1	74	ANT0	DSI3	22.63	22.53	22.54	24.50
15	QPSK	36	0	ANT0	DSI3	22.61	22.69	22.60	23.50
15	QPSK	36	19	ANT0	DSI3	22.63	22.68	22.69	23.50
15	QPSK	36	39	ANT0	DSI3	22.61	22.70	22.55	23.50
15	QPSK	75	0	ANT0	DSI3	22.55	22.57	22.68	23.50
15	16QAM	1	0	ANT0	DSI3	22.65	22.51	22.52	23.50
15	16QAM	1	37	ANT0	DSI3	22.69	22.54	22.51	23.50
15	16QAM	1	74	ANT0	DSI3	22.66	22.56	22.69	23.50
15	16QAM	36	0	ANT0	DSI3	21.66	21.56	21.65	22.50
15	16QAM	36	19	ANT0	DSI3	21.70	21.64	21.62	22.50
15	16QAM	36	39	ANT0	DSI3	21.51	21.65	21.51	22.50
15	16QAM	75	0	ANT0	DSI3	21.65	21.69	21.59	22.50
15	64QAM	1	0	ANT0	DSI3	21.63	21.55	21.63	22.50
15	64QAM	1	37	ANT0	DSI3	21.66	21.55	21.68	22.50
15	64QAM	1	74	ANT0	DSI3	21.63	21.58	21.68	22.50
15	64QAM	36	0	ANT0	DSI3	20.67	20.63	20.56	21.50
15	64QAM	36	19	ANT0	DSI3	20.55	20.62	20.62	21.50
15	64QAM	36	39	ANT0	DSI3	20.69	20.51	20.65	21.50
15	64QAM	75	0	ANT0	DSI3	20.65	20.57	20.52	21.50
15	256QAM	1	0	ANT0	DSI3	18.50	18.55	18.52	19.50
15	256QAM	1	37	ANT0	DSI3	18.52	18.64	18.67	19.50
15	256QAM	1	74	ANT0	DSI3	18.63	18.67	18.60	19.50
15	256QAM	36	0	ANT0	DSI3	18.50	18.68	18.61	19.50
15	256QAM	36	19	ANT0	DSI3	18.58	18.53	18.51	19.50
15	256QAM	36	39	ANT0	DSI3	18.68	18.59	18.58	19.50
15	256QAM	75	0	ANT0	DSI3	18.54	18.57	18.54	19.50

Band				LTE Band66					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	132072	132322	132572	Tune-up power(dBm)
20	QPSK	1	0	ANT0	DSI3	22.61	22.73	22.56	24.50
20	QPSK	1	49	ANT0	DSI3	22.65	22.63	22.66	24.50
20	QPSK	1	99	ANT0	DSI3	22.54	22.62	22.51	24.50
20	QPSK	50	0	ANT0	DSI3	22.64	22.51	22.52	23.50
20	QPSK	50	25	ANT0	DSI3	22.63	22.68	22.55	23.50
20	QPSK	50	50	ANT0	DSI3	22.59	22.62	22.50	23.50
20	QPSK	100	0	ANT0	DSI3	22.59	22.62	22.65	23.50
20	16QAM	1	0	ANT0	DSI3	22.51	22.52	22.56	23.50
20	16QAM	1	49	ANT0	DSI3	22.56	22.70	22.50	23.50
20	16QAM	1	99	ANT0	DSI3	22.68	22.64	22.56	23.50
20	16QAM	50	0	ANT0	DSI3	21.67	21.52	21.60	22.50
20	16QAM	50	25	ANT0	DSI3	21.52	21.50	21.70	22.50
20	16QAM	50	50	ANT0	DSI3	21.50	21.62	21.54	22.50
20	16QAM	100	0	ANT0	DSI3	21.55	21.70	21.66	22.50
20	64QAM	1	0	ANT0	DSI3	21.68	21.68	21.55	22.50
20	64QAM	1	49	ANT0	DSI3	21.55	21.68	21.57	22.50
20	64QAM	1	99	ANT0	DSI3	21.67	21.53	21.51	22.50
20	64QAM	50	0	ANT0	DSI3	20.65	20.54	20.67	21.50
20	64QAM	50	25	ANT0	DSI3	20.55	20.51	20.62	21.50
20	64QAM	50	50	ANT0	DSI3	20.65	20.64	20.52	21.50
20	64QAM	100	0	ANT0	DSI3	20.60	20.69	20.62	21.50
20	256QAM	1	0	ANT0	DSI3	18.58	18.55	18.51	19.50
20	256QAM	1	49	ANT0	DSI3	18.66	18.50	18.63	19.50
20	256QAM	1	99	ANT0	DSI3	18.68	18.64	18.61	19.50
20	256QAM	50	0	ANT0	DSI3	18.51	18.66	18.58	19.50
20	256QAM	50	25	ANT0	DSI3	18.68	18.55	18.60	19.50
20	256QAM	50	50	ANT0	DSI3	18.67	18.67	18.56	19.50
20	256QAM	100	0	ANT0	DSI3	18.64	18.53	18.61	19.50

8.4 NR SA Output Power

N2-ANT0 Full Power&DSI1&2&4&5&6							
Bandwidth (MHz)	Modulation	Channel		370500	376000	381500	Tune-up power(dBm)
		RB Size	RB offset	1852.5	1880	1907.5	
5	DFT-s-OFDM BPSK	1	1	24.10	24.11	24.33	24.50
Bandwidth (MHz)	Modulation	Channel		371000	376000	381000	Tune-up power(dBm)
		RB Size	RB offset	1855	1880	1905	
10	DFT-s-OFDM BPSK	1	1	23.97	24.16	24.32	24.50
Bandwidth (MHz)	Modulation	Channel		371500	376000	380500	Tune-up power(dBm)
		RB Size	RB offset	1857.5	1880	1902.5	
15	DFT-s-OFDM BPSK	1	1	23.99	23.88	24.21	24.50
Bandwidth (MHz)	Modulation	Channel		372000	376000	380000	Tune-up power(dBm)
		RB Size	RB offset	1860	1880	1900	
20	DFT-s-OFDM BPSK	1	1	23.81	23.94	23.89	24.50
		1	53	23.74	23.81	23.99	24.50
		1	104	23.73	23.85	24.02	24.50
		50	0	23.35	23.29	23.29	24.00
	DFT-s-OFDM BPSK	50	28	23.61	23.73	23.55	24.50
		50	56	23.25	23.28	23.47	24.00
		100	0	23.19	23.33	23.15	24.00
	DFT-s-OFDM QPSK	1	1	23.96	24.01	24.13	24.50
		1	53	23.95	24.09	24.29	24.50
		1	104	24.08	23.94	23.79	24.50
		50	0	22.98	22.78	22.63	23.50
	DFT-s-OFDM QPSK	50	28	23.68	23.79	23.95	24.50
		50	56	22.80	22.66	22.62	23.50
		100	0	22.75	22.69	22.67	23.50
	DFT-s-OFDM 16QAM	1	1	23.05	22.97	22.78	23.50
	DFT-s-OFDM 64QAM	1	1	21.30	21.20	21.22	22.00
	DFT-s-OFDM 256QAM	1	1	19.18	19.37	19.45	20.00
	CP-OFDM QPSK	1	1	22.26	22.32	22.39	23.00
	CP-OFDM 16QAM	1	1	22.06	22.08	22.11	22.50
	CP-OFDM 64QAM	1	1	20.25	20.12	19.97	21.00
	CP-OFDM 256QAM	1	1	17.14	17.11	17.21	18.00

N2-ANT4 DSI3							
Bandwidth (MHz)	Modulation	Channel		370500	376000	381500	Tune-up power(dBm)
		RB Size	RB offset	1852.5	1880	1907.5	
5	DFT-s-OFDM BPSK	1	1	22.15	22.13	22.04	24.00
Bandwidth (MHz)	Modulation	Channel		371000	376000	381000	Tune-up power(dBm)
		RB Size	RB offset	1855	1880	1905	
10	DFT-s-OFDM BPSK	1	1	22.14	22.10	22.25	24.00
Bandwidth (MHz)	Modulation	Channel		371500	376000	380500	Tune-up power(dBm)
		RB Size	RB offset	1857.5	1880	1902.5	
15	DFT-s-OFDM BPSK	1	1	22.12	22.11	22.06	24.00
Bandwidth (MHz)	Modulation	Channel		372000	376000	380000	Tune-up power(dBm)
		RB Size	RB offset	1860	1880	1900	
20	DFT-s-OFDM BPSK	1	1	22.16	22.21	22.05	24.00
		1	53	22.09	22.04	22.16	24.00
		1	104	22.01	22.02	22.20	24.00
		50	0	22.27	22.09	22.14	24.00
	DFT-s-OFDM BPSK	50	28	22.17	22.23	22.21	24.00
		50	56	22.14	22.09	22.17	24.00
		100	0	22.13	22.09	22.06	24.00
	DFT-s-OFDM QPSK	1	1	22.14	22.03	22.12	24.00
		1	53	22.04	22.16	22.29	24.00
		1	104	22.13	22.11	22.19	24.00
		50	0	21.96	22.11	22.31	23.50
	DFT-s-OFDM QPSK	50	28	22.14	22.01	22.03	24.00
		50	56	22.03	22.06	21.93	23.50
		100	0	22.01	22.10	22.26	23.50
	DFT-s-OFDM 16QAM	1	1	22.10	22.15	22.13	23.50
	DFT-s-OFDM 64QAM	1	1	21.14	21.21	21.20	22.00
	DFT-s-OFDM 256QAM	1	1	19.11	19.14	19.12	20.00
	CP-OFDM QPSK	1	1	22.09	22.04	22.08	23.00
	CP-OFDM 16QAM	1	1	21.52	21.42	21.56	22.50
	CP-OFDM 64QAM	1	1	20.24	20.23	20.39	21.00
	CP-OFDM 256QAM	1	1	16.70	16.73	16.85	18.00

N5-ANT0 Full Power&DSI1&2&3&4&5&6							
Bandwidth (MHz)	Modulation	Channel		165300	167300	169300	Tune-up power(dBm)
		RB Size	RB offset	826.5	836.5	846.5	
5	DFT-s-OFDM BPSK	1	1	24.95	24.47	24.85	25.00
Bandwidth (MHz)	Modulation	Channel		165800	167300	168800	Tune-up power(dBm)
		RB Size	RB offset	829	836.5	844	
10	DFT-s-OFDM BPSK	1	1	24.96	24.68	25.00	25.00
Bandwidth (MHz)	Modulation	Channel		166300	167300	168300	Tune-up power(dBm)
		RB Size	RB offset	831.5	836.5	841.5	
15	DFT-s-OFDM BPSK	1	1	24.85	24.79	24.85	25.00
Bandwidth (MHz)	Modulation	Channel		166800	167300	167800	Tune-up power(dBm)
		RB Size	RB offset	834	836.5	839	
20	DFT-s-OFDM BPSK	1	1	24.98	24.99	24.98	25.00
		1	53	24.42	24.47	24.45	25.00
		1	104	24.84	24.87	24.84	25.00
		50	0	24.19	24.20	24.15	24.50
	DFT-s-OFDM BPSK	50	28	24.66	24.71	24.68	25.00
		50	56	24.36	24.37	24.35	24.50
		100	0	24.07	24.11	24.08	24.50
	DFT-s-OFDM QPSK	1	1	24.59	24.61	24.61	25.00
		1	53	24.34	24.39	24.38	25.00
		1	104	24.86	24.91	24.9	25.00
		50	0	23.64	23.67	23.65	24.00
	DFT-s-OFDM QPSK	50	28	24.61	24.62	24.57	25.00
		50	56	23.85	23.86	23.84	24.00
		100	0	23.7	23.70	23.65	24.00
	DFT-s-OFDM 16QAM	1	1	23.59	23.61	23.59	24.00
	DFT-s-OFDM 64QAM	1	1	22.25	22.29	22.28	22.50
	DFT-s-OFDM 256QAM	1	1	20.39	20.41	20.36	20.50
	CP-OFDM QPSK	1	1	23.34	23.39	23.35	23.50
	CP-OFDM 16QAM	1	1	22.77	22.80	22.77	23.00
	CP-OFDM 64QAM	1	1	21.28	21.29	21.27	21.50
	CP-OFDM 256QAM	1	1	18.37	18.39	18.34	18.50

N14-ANT0 Full Power&DSI1&2&3&4&5&6							
Bandwidth (MHz)	Modulation	Channel		158100	158600	159100	Tune-up power(dBm)
		RB Size	RB offset	790.5	793	795.5	
5	DFT-s-OFDM BPSK	1	1	24.53	24.24	24.54	25.00
Bandwidth (MHz)	Modulation	Channel		158600			Tune-up power(dBm)
		RB Size	RB offset	793			
10	DFT-s-OFDM BPSK	1	1	/	24.34	/	25.00
		1	26	/	24.24	/	25.00
		1	50	/	24.21	/	25.00
	DFT-s-OFDM BPSK	25	0	/	23.85	/	24.50
		25	14	/	24.26	/	25.00
		25	27	/	23.73	/	24.50
	DFT-s-OFDM BPSK	50	0	/	23.86	/	24.50
	DFT-s-OFDM QPSK	1	1	/	24.37	/	25.00
		1	26	/	24.27	/	25.00
		1	50	/	24.47	/	25.00
	DFT-s-OFDM QPSK	25	0	/	23.27	/	24.00
		25	14	/	24.33	/	25.00
		25	27	/	23.19	/	24.00
	DFT-s-OFDM QPSK	50	0	/	23.19	/	24.00
	DFT-s-OFDM 16QAM	1	1	/	23.38	/	24.00
	DFT-s-OFDM 64QAM	1	1	/	22.12	/	22.50
	DFT-s-OFDM 256QAM	1	1	/	19.83	/	20.50
	CP-OFDM QPSK	1	1	/	22.86	/	23.50
	CP-OFDM 16QAM	1	1	/	22.86	/	23.00
	CP-OFDM 64QAM	1	1	/	20.76	/	21.50
	CP-OFDM 256QAM	1	1	/	17.94	/	18.50

N30-ANT0 Full power&DS11&2&3&4&5&6							
Bandwidth (MHz)	Modulation	Channel		461500	462000	462500	Tune-up power(dBm)
		RB Size	RB offset	2307.5	2310	2312.5	
5	DFT-s-OFDM BPSK	1	1	22.01	21.92	21.85	23.00
Bandwidth (MHz)	Modulation	Channel		/	462000	/	Tune-up power(dBm)
		RB Size	RB offset	/	2310	/	
10	DFT-s-OFDM BPSK	1	1	/	21.83	/	23.00
		1	26	/	22.05	/	23.00
		1	50	/	22.08	/	23.00
	DFT-s-OFDM BPSK	25	0	/	21.41	/	22.50
		25	14	/	21.91	/	23.00
		25	27	/	21.33	/	22.50
	DFT-s-OFDM BPSK	50	0	/	21.57	/	22.50
		1	1	/	21.88	/	23.00
		1	26	/	21.90	/	23.00
	DFT-s-OFDM QPSK	1	50	/	21.80	/	23.00
		25	0	/	20.99	/	22.00
		25	14	/	21.99	/	23.00
	DFT-s-OFDM QPSK	25	27	/	21.07	/	22.00
		50	0	/	21.18	/	22.00
		1	1	/	21.08	/	22.00
	DFT-s-OFDM 16QAM	1	1	/	19.54	/	20.50
	DFT-s-OFDM 64QAM	1	1	/	17.73	/	18.50
	CP-OFDM QPSK	1	1	/	20.69	/	21.50
	CP-OFDM 16QAM	1	1	/	20.36	/	21.00
	CP-OFDM 64QAM	1	1	/	18.16	/	19.50
	CP-OFDM 256QAM	1	1	/	15.35	/	16.50

N66-ANT0 Full Power&DSI1&2&3&4&5&6							
Bandwidth (MHz)	Modulation	Channel		342500	349000	355500	Tune-up power(dBm)
		RB Size	RB offset	1712.5	1745	1777.5	
5	DFT-s-OFDM BPSK	1	1	23.72	23.89	23.99	24.50
Bandwidth (MHz)	Modulation	Channel		343000	349000	355000	Tune-up power(dBm)
		RB Size	RB offset	1715	1745	1775	
10	DFT-s-OFDM BPSK	1	1	23.83	23.60	23.78	24.50
Bandwidth (MHz)	Modulation	Channel		343500	349000	354500	Tune-up power(dBm)
		RB Size	RB offset	1717.5	1745	1772.5	
15	DFT-s-OFDM BPSK	1	1	23.74	23.72	23.82	24.50
Bandwidth (MHz)	Modulation	Channel		344000	349000	354000	Tune-up power(dBm)
		RB Size	RB offset	1720	1745	1770	
20	DFT-s-OFDM BPSK	1	1	23.72	23.82	24.10	24.50
Bandwidth (MHz)	Modulation	Channel		344500	349000	353500	Tune-up power(dBm)
		RB Size	RB offset	1722.5	1745	1767.5	
25	DFT-s-OFDM BPSK	1	1	23.63	23.83	23.77	24.50
Bandwidth (MHz)	Modulation	Channel		345000	349000	353000	Tune-up power(dBm)
		RB Size	RB offset	1725	1745	1765	
30	DFT-s-OFDM BPSK	1	1	23.78	23.92	24.09	24.50
Bandwidth (MHz)	Modulation	Channel		346000	349000	352000	Tune-up power(dBm)
		RB Size	RB offset	1730	1745	1760	
40	DFT-s-OFDM BPSK	1	1	23.86	23.87	23.85	24.50
		1	108	23.80	23.87	23.91	24.50
		1	214	23.67	23.84	23.80	24.50
	DFT-s-OFDM BPSK	108	0	23.51	23.32	23.49	24.00
		108	54	23.72	23.97	23.86	24.50
		108	108	23.18	23.25	23.35	24.00
	DFT-s-OFDM BPSK	216	0	23.54	23.62	23.43	24.00
		1	1	23.63	23.77	23.91	24.50
	DFT-s-OFDM QPSK	1	108	23.71	23.73	23.56	24.50
		1	214	23.68	23.77	23.57	24.50
		108	0	23.01	22.85	22.75	23.50
	DFT-s-OFDM QPSK	108	54	24.02	23.85	23.77	24.50
		108	108	22.83	22.93	22.75	23.50
		216	0	22.99	22.91	22.88	23.50
	DFT-s-OFDM 16QAM	1	1	22.83	22.98	22.99	23.50
	DFT-s-OFDM 64QAM	1	1	21.29	21.35	21.54	22.00
	DFT-s-OFDM 256QAM	1	1	19.48	19.51	19.46	20.00
	CP-OFDM QPSK	1	1	22.25	22.40	22.23	23.00
	CP-OFDM 16QAM	1	1	21.88	21.82	21.94	22.50
	CP-OFDM 64QAM	1	1	20.32	20.32	20.47	21.00
	CP-OFDM 256QAM	1	1	17.11	17.18	17.34	18.00

N70-ANT0 Full Power&DS1&2&3&4&5&6							
Bandwidth (MHz)	Modulation	Channel		339500	340500	341500	Tune-up power(dBm)
		RB Size	RB offset	1697.5	1702.5	1707.5	
5	DFT-s-OFDM BPSK	1	1	22.96	22.92	22.87	24.50
Bandwidth (MHz)	Modulation	Channel		340000	340500	380000	Tune-up power(dBm)
		RB Size	RB offset	1700	1702.5	1705	
10	DFT-s-OFDM BPSK	1	1	22.89	22.94	22.95	24.50
Bandwidth (MHz)	Modulation	Channel		340500			Tune-up power(dBm)
		RB Size	RB offset	/	1702.5	/	
15	DFT-s-OFDM BPSK	1	1	/	22.96	/	24.50
		1	18	/	22.97	/	24.50
		1	36	/	22.87	/	24.50
	DFT-s-OFDM BPSK	18	0	/	22.95	/	24.00
		18	9	/	22.93	/	24.50
		18	18	/	22.95	/	24.00
	DFT-s-OFDM BPSK	36	0	/	22.86	/	24.00
		1	1	/	22.91	/	24.50
	DFT-s-OFDM QPSK	1	18	/	22.98	/	24.50
		1	36	/	22.84	/	24.50
		18	0	/	22.36	/	23.50
	DFT-s-OFDM QPSK	18	9	/	22.94	/	24.50
		18	18	/	22.40	/	23.50
		36	0	/	22.37	/	23.50
	DFT-s-OFDM 16QAM	1	1	/	22.44	/	23.50
	DFT-s-OFDM 64QAM	1	1	/	20.84	/	22.00
	DFT-s-OFDM 256QAM	1	1	/	18.84	/	20.00
	CP-OFDM QPSK	1	1	/	21.90	/	23.00
	CP-OFDM 16QAM	1	1	/	21.49	/	22.50
	CP-OFDM 64QAM	1	1	/	19.64	/	21.00
	CP-OFDM 256QAM	1	1	/	16.96	/	18.00

N70-ANT0 DSI3							
Bandwidth (MHz)	Modulation	Channel		339500	340500	341500	Tune-up power(dBm)
		RB Size	RB offset	1697.5	1702.5	1707.5	
5	DFT-s-OFDM BPSK	1	1	22.96	22.92	22.87	23.50
Bandwidth (MHz)	Modulation	Channel		340000	340500	380000	Tune-up power(dBm)
		RB Size	RB offset	1700	1702.5	1705	
10	DFT-s-OFDM BPSK	1	1	22.89	22.94	22.95	23.50
Bandwidth (MHz)	Modulation	Channel		340500			Tune-up power(dBm)
		RB Size	RB offset	/	1702.5	/	
15	DFT-s-OFDM BPSK	1	1	/	22.96	/	23.50
		1	18	/	22.97	/	23.50
		1	36	/	22.87	/	23.50
	DFT-s-OFDM BPSK	18	0	/	22.95	/	23.50
		18	9	/	22.93	/	23.50
		18	18	/	22.95	/	23.50
	DFT-s-OFDM BPSK	36	0	/	22.86	/	23.50
		1	1	/	22.91	/	23.50
	DFT-s-OFDM QPSK	1	18	/	22.98	/	23.50
		1	36	/	22.84	/	23.50
		18	0	/	22.36	/	23.50
	DFT-s-OFDM QPSK	18	9	/	22.94	/	23.50
		18	18	/	22.40	/	23.50
		36	0	/	22.37	/	23.50
	DFT-s-OFDM 16QAM	1	1	/	22.44	/	23.50
	DFT-s-OFDM 64QAM	1	1	/	20.84	/	22.00
	DFT-s-OFDM 256QAM	1	1	/	18.84	/	20.00
	CP-OFDM QPSK	1	1	/	21.90	/	23.00
	CP-OFDM 16QAM	1	1	/	21.49	/	22.50
	CP-OFDM 64QAM	1	1	/	19.64	/	21.00
	CP-OFDM 256QAM	1	1	/	16.96	/	18.00

N71-ANT0 Full Power&DS11&2&3&4&5&6							
Bandwidth (MHz)	Modulation	Channel		133100	136100	139100	Tune-up power(dBm)
		RB Size	RB offset	665.5	680.5	695.5	
5	DFT-s-OFDM BPSK	1	1	24.59	24.48	24.58	25.00
Bandwidth (MHz)	Modulation	Channel		133600	136100	693	Tune-up power(dBm)
		RB Size	RB offset	668	680.5	138600	
10	DFT-s-OFDM BPSK	1	1	24.57	24.63	24.44	25.00
Bandwidth (MHz)	Modulation	Channel		134100	136100	138100	Tune-up power(dBm)
		RB Size	RB offset	670.5	680.5	690.5	
15	DFT-s-OFDM BPSK	1	1	24.69	24.50	24.74	25.00
Bandwidth (MHz)	Modulation	Channel		134600	136100	137600	Tune-up power(dBm)
		RB Size	RB offset	673	680.5	688	
20	DFT-s-OFDM BPSK	1	1	24.44	24.50	24.41	25.00
		1	53	24.23	24.33	24.37	25.00
		1	104	24.16	24.34	24.40	25.00
		50	0	23.80	23.85	23.95	24.50
	DFT-s-OFDM BPSK	50	28	24.35	24.47	24.42	25.00
		50	56	23.92	24.02	23.97	24.50
		100	0	23.84	23.95	23.84	24.50
	DFT-s-OFDM QPSK	1	1	24.60	24.53	24.58	25.00
		1	53	24.55	24.35	24.25	25.00
		1	104	24.62	24.68	24.88	25.00
		50	0	23.23	23.36	23.56	24.00
	DFT-s-OFDM QPSK	50	28	24.39	24.41	24.36	25.00
		50	56	23.50	23.54	23.36	24.00
		100	0	23.10	23.21	23.27	24.00
	DFT-s-OFDM 16QAM	1	1	23.46	23.51	23.31	24.00
	DFT-s-OFDM 64QAM	1	1	21.53	21.66	21.84	22.50
	DFT-s-OFDM 256QAM	1	1	19.91	19.95	19.78	20.50
	CP-OFDM QPSK	1	1	22.79	22.77	22.73	23.50
	CP-OFDM 16QAM	1	1	22.06	22.22	22.06	23.00
	CP-OFDM 64QAM	1	1	20.87	20.83	20.85	21.50
	CP-OFDM 256QAM	1	1	17.46	17.60	17.51	18.50

N77-ANT1 Full Power&DSI1&&2&3&4&5&6-PC3							
Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dBm)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	21.66	21.67	21.68	22.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dBm)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	21.70	21.44	21.39	22.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dBm)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	21.43	21.55	21.46	22.50
Bandwidth (MHz)	Modulation	Channel		630834	633334	635832	Tune-up power(dBm)
		RB Size	RB offset	3462.51	3500.01	3537.48	
25	DFT-s-OFDM BPSK	1	1	21.52	21.54	21.43	22.50
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dBm)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	21.39	21.49	21.57	22.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dBm)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	21.44	21.42	21.64	22.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dBm)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	21.62	21.35	21.52	22.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dBm)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	21.59	21.31	21.40	22.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dBm)
		RB Size	RB offset	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	21.67	21.51	21.64	22.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dBm)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	21.43	21.65	21.43	22.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dBm)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	21.60	21.36	21.35	22.50
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dBm)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	21.50	/	22.50
		1	137	/	21.57	/	22.50
		1	271	/	21.70	/	22.50
	DFT-s-OFDM BPSK	135	0	/	21.13	/	22.00
		135	69	/	21.57	/	22.50
		135	138	/	20.96	/	22.00
	DFT-s-OFDM BPSK	270	0	/	20.95	/	22.00
		1	1	/	21.67	/	22.50
		1	137	/	21.57	/	22.50
	DFT-s-OFDM QPSK	1	271	/	21.64	/	22.50
		135	0	/	20.56	/	21.50
		135	69	/	21.57	/	22.50
	DFT-s-OFDM QPSK	135	138	/	20.63	/	21.50
		270	0	/	20.42	/	21.50
	DFT-s-OFDM 16QAM	1	1	/	20.54	/	21.50
		1	1	/	19.30	/	20.00
		1	1	/	17.24	/	18.00
	CP-OFDM QPSK	1	1	/	20.20	/	21.00
		1	1	/	19.44	/	20.50
		1	1	/	17.85	/	19.00
	CP-OFDM 256QAM	1	1	/	15.20	/	16.00

N77-ANT1 Full Power&DSI1&&2&3&4&5&6-PC2							
Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dBm)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	24.83	24.67	24.66	25.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dBm)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	24.55	24.81	24.84	25.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dBm)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	24.75	24.89	24.95	25.50
Bandwidth (MHz)	Modulation	Channel		630834	633334	635832	Tune-up power(dBm)
		RB Size	RB offset	3462.51	3500.01	3537.48	
25	DFT-s-OFDM BPSK	1	1	24.92	24.84	24.63	25.50
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dBm)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	24.88	24.70	24.64	25.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dBm)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	24.58	24.90	24.70	25.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dBm)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	24.92	24.58	24.57	25.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dBm)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	24.63	24.86	24.62	25.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dBm)
		RB Size	RB offset	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	24.66	24.72	24.65	25.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dBm)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	24.84	24.74	24.76	25.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dBm)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	24.56	24.81	24.95	25.50
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dBm)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	24.75	/	25.50
		1	137	/	24.60	/	25.50
		1	271	/	24.78	/	25.50
	DFT-s-OFDM BPSK	135	0	/	24.16	/	25.00
		135	69	/	24.71	/	25.50
		135	138	/	24.03	/	25.00
	DFT-s-OFDM BPSK	270	0	/	24.15	/	25.00
		1	1	/	24.70	/	25.50
		1	137	/	24.73	/	25.50
	DFT-s-OFDM QPSK	1	271	/	24.80	/	25.50
		135	0	/	23.65	/	24.50
		135	69	/	24.60	/	25.50
	DFT-s-OFDM QPSK	135	138	/	23.54	/	24.50
		270	0	/	23.81	/	24.50
		1	1	/	23.76	/	24.50
	DFT-s-OFDM 16QAM	1	1	/	22.31	/	23.00
	DFT-s-OFDM 64QAM	1	1	/	22.31	/	23.00
	DFT-s-OFDM 256QAM	1	1	/	20.41	/	21.00
	CP-OFDM QPSK	1	1	/	23.34	/	24.00
	CP-OFDM 16QAM	1	1	/	22.89	/	23.50
	CP-OFDM 64QAM	1	1	/	20.67	/	22.00
	CP-OFDM 256QAM	1	1	/	17.80	/	19.00

N77-ANT2 Full Power&DSI1&2&3&4&5&6-PC3							
Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dBm)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	21.66	21.86	21.83	23.00
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dBm)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	21.57	21.76	21.79	23.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dBm)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	21.57	21.85	21.57	23.00
Bandwidth (MHz)	Modulation	Channel		630834	633334	635832	Tune-up power(dBm)
		RB Size	RB offset	3462.51	3500.01	3537.48	
25	DFT-s-OFDM BPSK	1	1	21.90	21.63	21.54	23.00
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dBm)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	21.62	21.62	21.69	23.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dBm)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	21.83	21.71	21.54	23.00
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dBm)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	21.80	21.58	21.74	23.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dBm)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	21.90	21.89	21.73	23.00
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dBm)
		RB Size	RB offset	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	21.65	21.69	21.57	23.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dBm)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	21.83	21.70	21.60	23.00
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dBm)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	21.71	21.66	21.58	23.00
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dBm)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	21.71	/	23.00
		1	137	/	21.73	/	23.00
		1	271	/	21.70	/	23.00
	DFT-s-OFDM BPSK	135	0	/	21.48	/	22.50
		135	69	/	21.99	/	23.00
		135	138	/	21.46	/	22.50
	DFT-s-OFDM BPSK	270	0	/	21.30	/	22.50
		1	1	/	21.81	/	23.00
		1	137	/	21.95	/	23.00
	DFT-s-OFDM QPSK	1	271	/	21.67	/	23.00
		135	0	/	20.94	/	22.00
		135	69	/	21.95	/	23.00
	DFT-s-OFDM QPSK	135	138	/	20.84	/	22.00
		270	0	/	21.05	/	22.00
		1	1	/	20.66	/	22.00
	DFT-s-OFDM 16QAM	1	1	/	19.36	/	20.50
	DFT-s-OFDM 64QAM	1	1	/	17.38	/	18.50
	DFT-s-OFDM 256QAM	1	1	/	20.42	/	21.50
	CP-OFDM QPSK	1	1	/	20.12	/	21.00
	CP-OFDM 16QAM	1	1	/	18.32	/	19.50
	CP-OFDM 64QAM	1	1	/	15.35	/	16.50

N77-ANT2 Full Power&DSI1&2&3&4&5&6-PC2							
Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dBm)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	24.84	24.93	24.76	26.00
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dBm)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	24.68	24.99	24.84	26.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dBm)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	25.06	25.04	25.02	26.00
Bandwidth (MHz)	Modulation	Channel		630834	633334	635832	Tune-up power(dBm)
		RB Size	RB offset	3462.51	3500.01	3537.48	
25	DFT-s-OFDM BPSK	1	1	24.95	24.73	24.95	26.00
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dBm)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	24.85	24.98	24.92	26.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dBm)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	24.91	24.70	24.94	26.00
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dBm)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	24.72	24.66	24.96	26.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dBm)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	24.76	24.93	24.87	26.00
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dBm)
		RB Size	RB offset	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	24.70	24.80	24.83	26.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dBm)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	24.83	24.78	24.72	26.00
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dBm)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	24.92	24.92	25.06	26.00
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dBm)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	24.86	/	26.00
		1	137	/	24.85	/	26.00
		1	271	/	24.91	/	26.00
	DFT-s-OFDM BPSK	135	0	/	24.43	/	25.50
		135	69	/	24.83	/	26.00
		135	138	/	24.48	/	25.50
	DFT-s-OFDM BPSK	270	0	/	24.62	/	25.50
		1	1	/	24.87	/	26.00
		1	137	/	24.83	/	26.00
	DFT-s-OFDM QPSK	1	271	/	24.74	/	26.00
		135	0	/	23.93	/	25.00
		135	69	/	25.01	/	26.00
	DFT-s-OFDM QPSK	135	138	/	24.09	/	25.00
		270	0	/	23.87	/	25.00
	DFT-s-OFDM 16QAM	1	1	/	23.87	/	25.00
		1	1	/	22.41	/	23.50
		1	1	/	20.39	/	21.50
	CP-OFDM QPSK	1	1	/	23.26	/	24.50
		1	1	/	22.88	/	24.00
		1	1	/	21.16	/	22.50
	CP-OFDM 256QAM	1	1	/	18.43	/	19.50

N77-ANT3 Full Power&DSI1&2-PC3							
Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dBm)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	23.03	23.00	22.72	24.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dBm)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	22.91	22.95	22.89	24.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dBm)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	22.91	22.85	22.93	24.50
Bandwidth (MHz)	Modulation	Channel		630834	633334	635832	Tune-up power(dBm)
		RB Size	RB offset	3462.51	3500.01	3537.48	
25	DFT-s-OFDM BPSK	1	1	22.92	22.96	23.01	24.50
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dBm)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	22.93	23.02	22.80	24.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dBm)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	22.99	22.94	23.08	24.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dBm)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	22.75	23.09	22.78	24.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dBm)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	22.93	22.76	22.77	24.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dBm)
		RB Size	RB offset	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	22.95	22.95	22.81	24.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dBm)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	22.87	22.74	22.91	24.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dBm)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	22.76	23.09	22.75	24.50
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dBm)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	22.89	/	24.50
		1	137	/	22.97	/	24.50
		1	271	/	23.02	/	24.50
	DFT-s-OFDM BPSK	135	0	/	22.58	/	24.00
		135	69	/	22.99	/	24.50
		135	138	/	22.78	/	24.00
	DFT-s-OFDM BPSK	270	0	/	22.72	/	24.00
		1	1	/	23.01	/	24.50
		1	137	/	22.98	/	24.50
	DFT-s-OFDM QPSK	1	271	/	23.13	/	24.50
		135	0	/	22.07	/	23.50
		135	69	/	23.11	/	24.50
	DFT-s-OFDM QPSK	135	138	/	21.95	/	23.50
		270	0	/	22.01	/	23.50
	DFT-s-OFDM 16QAM	1	1	/	22.17	/	23.50
		1	1	/	20.49	/	22.00
		1	1	/	18.77	/	20.00
	CP-OFDM QPSK	1	1	/	21.59	/	23.00
		1	1	/	21.05	/	22.50
		1	1	/	19.40	/	21.00
	CP-OFDM 256QAM	1	1	/	16.62	/	18.00

N77-ANT3 DSI3-PC3							
Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dBm)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	21.32	21.08	21.32	22.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dBm)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	21.17	20.98	21.01	22.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dBm)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	21.25	21.14	21.27	22.50
Bandwidth (MHz)	Modulation	Channel		630834	633334	635832	Tune-up power(dBm)
		RB Size	RB offset	3462.51	3500.01	3537.48	
25	DFT-s-OFDM BPSK	1	1	21.20	20.96	20.93	22.50
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dBm)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	21.29	21.12	21.06	22.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dBm)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	20.99	21.25	21.22	22.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dBm)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	21.13	21.25	21.03	22.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dBm)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	21.06	21.27	21.13	22.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dBm)
		RB Size	RB offset	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	21.11	21.04	21.16	22.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dBm)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	21.15	21.21	21.18	22.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dBm)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	21.11	21.17	21.06	22.50
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dBm)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	21.18	/	22.50
		1	137	/	21.12	/	22.50
		1	271	/	21.15	/	22.50
	DFT-s-OFDM BPSK	135	0	/	21.19	/	22.50
		135	69	/	21.15	/	22.50
		135	138	/	21.07	/	22.50
	DFT-s-OFDM BPSK	270	0	/	21.04	/	22.50
		1	1	/	21.05	/	22.50
		1	137	/	21.19	/	22.50
	DFT-s-OFDM QPSK	1	271	/	21.13	/	22.50
		135	0	/	21.06	/	22.50
		135	69	/	21.16	/	22.50
	DFT-s-OFDM QPSK	135	138	/	21.07	/	22.50
		270	0	/	21.04	/	22.50
	DFT-s-OFDM 16QAM	1	1	/	21.02	/	22.50
		1	1	/	20.51	/	22.00
		1	1	/	18.57	/	20.00
	CP-OFDM QPSK	1	1	/	21.10	/	22.50
		1	1	/	21.13	/	22.50
		1	1	/	19.68	/	21.00
	CP-OFDM 256QAM	1	1	/	16.66	/	18.00

N77-ANT3 DSI4-PC3							
Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dBm)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	16.09	16.05	16.10	17.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dBm)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	16.14	16.16	16.14	17.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dBm)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	16.16	16.14	16.11	17.50
Bandwidth (MHz)	Modulation	Channel		630834	633334	635832	Tune-up power(dBm)
		RB Size	RB offset	3462.51	3500.01	3537.48	
25	DFT-s-OFDM BPSK	1	1	16.20	16.18	16.15	17.50
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dBm)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	16.05	16.14	16.10	17.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dBm)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	16.13	16.15	16.15	17.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dBm)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	16.14	16.15	16.11	17.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dBm)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	16.08	16.15	16.15	17.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dBm)
		RB Size	RB offset	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	16.05	16.19	16.15	17.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dBm)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	16.19	16.08	16.14	17.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dBm)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	16.10	16.10	16.11	17.50
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dBm)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	16.17	/	17.50
		1	137	/	16.11	/	17.50
		1	271	/	16.13	/	17.50
	DFT-s-OFDM BPSK	135	0	/	16.13	/	17.50
		135	69	/	16.06	/	17.50
		135	138	/	16.09	/	17.50
	DFT-s-OFDM BPSK	270	0	/	16.20	/	17.50
		1	1	/	16.11	/	17.50
		1	137	/	16.12	/	17.50
	DFT-s-OFDM QPSK	1	271	/	16.16	/	17.50
		135	0	/	16.19	/	17.50
		135	69	/	16.20	/	17.50
	DFT-s-OFDM QPSK	135	138	/	16.11	/	17.50
		270	0	/	16.20	/	17.50
		1	1	/	16.06	/	17.50
	DFT-s-OFDM 16QAM	1	1	/	16.15	/	17.50
	DFT-s-OFDM 64QAM	1	1	/	16.15	/	17.50
	DFT-s-OFDM 256QAM	1	1	/	16.18	/	17.50
	CP-OFDM QPSK	1	1	/	16.08	/	17.50
	CP-OFDM 16QAM	1	1	/	16.18	/	17.50
	CP-OFDM 64QAM	1	1	/	16.19	/	17.50
	CP-OFDM 256QAM	1	1	/	16.16	/	17.50

N77-ANT3 DSI5&6-PC3							
Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dBm)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	15.53	15.67	15.74	17.00
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dBm)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	15.52	15.79	15.63	17.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dBm)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	15.74	15.60	15.77	17.00
Bandwidth (MHz)	Modulation	Channel		630834	633334	635832	Tune-up power(dBm)
		RB Size	RB offset	3462.51	3500.01	3537.48	
25	DFT-s-OFDM BPSK	1	1	15.56	15.46	15.81	17.00
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dBm)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	15.79	15.56	15.63	17.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dBm)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	15.53	15.53	15.82	17.00
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dBm)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	15.56	15.63	15.62	17.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dBm)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	15.76	15.57	15.63	17.00
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dBm)
		RB Size	RB offset	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	15.66	15.76	15.85	17.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dBm)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	15.74	15.82	15.47	17.00
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dBm)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	15.64	15.79	15.61	17.00
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dBm)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	15.65	/	17.00
		1	137	/	15.53	/	17.00
		1	271	/	15.51	/	17.00
	DFT-s-OFDM BPSK	135	0	/	15.53	/	17.00
		135	69	/	15.46	/	17.00
		135	138	/	15.46	/	17.00
	DFT-s-OFDM BPSK	270	0	/	15.57	/	17.00
		1	1	/	15.68	/	17.00
		1	137	/	15.86	/	17.00
	DFT-s-OFDM QPSK	1	271	/	15.59	/	17.00
		135	0	/	15.53	/	17.00
		135	69	/	15.56	/	17.00
	DFT-s-OFDM QPSK	135	138	/	15.55	/	17.00
		270	0	/	15.39	/	17.00
		1	1	/	15.65	/	17.00
	DFT-s-OFDM 16QAM	1	1	/	15.67	/	17.00
	DFT-s-OFDM 64QAM	1	1	/	15.67	/	17.00
	DFT-s-OFDM 256QAM	1	1	/	15.89	/	17.00
	CP-OFDM QPSK	1	1	/	15.61	/	17.00
	CP-OFDM 16QAM	1	1	/	15.98	/	17.00
	CP-OFDM 64QAM	1	1	/	15.64	/	17.00
	CP-OFDM 256QAM	1	1	/	15.61	/	17.00

N77-ANT3 Full Power&DSI1&2-PC2							
Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dBm)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	25.97	25.96	26.02	27.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dBm)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	26.05	25.99	26.22	27.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dBm)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	26.17	26.17	26.16	27.50
Bandwidth (MHz)	Modulation	Channel		630834	633334	635832	Tune-up power(dBm)
		RB Size	RB offset	3462.51	3500.01	3537.48	
25	DFT-s-OFDM BPSK	1	1	25.93	26.14	26.14	27.50
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dBm)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	26.02	26.07	25.99	27.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dBm)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	25.98	26.17	26.04	27.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dBm)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	26.14	26.07	26.22	27.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dBm)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	25.95	25.99	26.06	27.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dBm)
		RB Size	RB offset	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	26.20	25.96	26.20	27.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dBm)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	26.25	26.19	26.29	27.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dBm)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	25.97	26.16	26.30	27.50
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dBm)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	26.11	/	27.50
		1	137	/	26.01	/	27.50
		1	271	/	26.05	/	27.50
	DFT-s-OFDM BPSK	135	0	/	25.63	/	27.00
		135	69	/	26.16	/	27.50
		135	138	/	25.73	/	27.00
	DFT-s-OFDM BPSK	270	0	/	25.82	/	27.00
		1	1	/	26.12	/	27.50
		1	137	/	25.95	/	27.50
	DFT-s-OFDM QPSK	1	271	/	26.16	/	27.50
		135	0	/	25.09	/	26.50
		135	69	/	26.14	/	27.50
	DFT-s-OFDM QPSK	135	138	/	25.14	/	26.50
		270	0	/	24.99	/	26.50
	DFT-s-OFDM 16QAM	1	1	/	25.36	/	26.50
		1	1	/	23.61	/	25.00
		1	1	/	21.84	/	23.00
	CP-OFDM QPSK	1	1	/	24.64	/	26.00
		1	1	/	24.04	/	25.50
		1	1	/	22.58	/	24.00
	CP-OFDM 256QAM	1	1	/	19.77	/	21.00

N77-ANT3 DSI3-PC2							
Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dBm)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	24.04	24.01	24.01	25.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dBm)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	24.01	24.15	24.16	25.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dBm)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	24.16	24.17	24.09	25.50
Bandwidth (MHz)	Modulation	Channel		630834	633334	635832	Tune-up power(dBm)
		RB Size	RB offset	3462.51	3500.01	3537.48	
25	DFT-s-OFDM BPSK	1	1	24.02	24.13	24.03	25.50
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dBm)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	24.09	24.13	24.16	25.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dBm)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	24.20	24.09	24.19	25.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dBm)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	24.07	24.08	24.08	25.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dBm)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	24.17	24.10	24.20	25.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dBm)
		RB Size	RB offset	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	24.07	24.14	24.17	25.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dBm)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	24.03	24.09	24.01	25.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dBm)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	24.02	24.05	24.11	25.50
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dBm)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	24.17	/	25.50
		1	137	/	24.16	/	25.50
		1	271	/	24.08	/	25.50
	DFT-s-OFDM BPSK	135	0	/	24.03	/	25.50
		135	69	/	24.16	/	25.50
		135	138	/	24.12	/	25.50
	DFT-s-OFDM BPSK	270	0	/	24.06	/	25.50
		1	1	/	24.04	/	25.50
		1	137	/	24.09	/	25.50
	DFT-s-OFDM QPSK	1	271	/	24.03	/	25.50
		135	0	/	24.04	/	25.50
		135	69	/	24.06	/	25.50
	DFT-s-OFDM QPSK	135	138	/	24.17	/	25.50
		270	0	/	24.19	/	25.50
		1	1	/	24.03	/	25.50
	DFT-s-OFDM 16QAM	1	1	/	24.03	/	25.50
	DFT-s-OFDM 64QAM	1	1	/	23.57	/	25.00
	DFT-s-OFDM 256QAM	1	1	/	21.57	/	23.00
	CP-OFDM QPSK	1	1	/	24.05	/	25.50
	CP-OFDM 16QAM	1	1	/	24.03	/	25.50
	CP-OFDM 64QAM	1	1	/	22.55	/	24.00
	CP-OFDM 256QAM	1	1	/	19.57	/	21.00

N77-ANT7 DSI4-PC2							
Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dBm)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	19.09	19.17	19.20	20.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dBm)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	19.14	19.03	19.16	20.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dBm)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	19.12	19.02	19.00	20.50
Bandwidth (MHz)	Modulation	Channel		630834	633334	635832	Tune-up power(dBm)
		RB Size	RB offset	3462.51	3500.01	3537.48	
25	DFT-s-OFDM BPSK	1	1	19.06	19.20	19.10	20.50
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dBm)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	19.06	19.07	19.08	20.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dBm)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	19.20	19.18	19.12	20.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dBm)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	19.00	19.05	19.11	20.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dBm)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	19.13	19.19	19.12	20.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dBm)
		RB Size	RB offset	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	19.05	19.18	19.08	20.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dBm)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	19.01	19.17	19.14	20.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dBm)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	19.08	19.13	19.06	20.50
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dBm)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	19.15	/	20.50
		1	137	/	19.13	/	20.50
		1	271	/	19.20	/	20.50
	DFT-s-OFDM BPSK	135	0	/	19.15	/	20.50
		135	69	/	19.19	/	20.50
		135	138	/	19.07	/	20.50
	DFT-s-OFDM BPSK	270	0	/	19.11	/	20.50
		1	1	/	19.20	/	20.50
		1	137	/	19.16	/	20.50
	DFT-s-OFDM QPSK	1	271	/	19.13	/	20.50
		135	0	/	19.12	/	20.50
		135	69	/	19.03	/	20.50
	DFT-s-OFDM QPSK	135	138	/	19.15	/	20.50
		270	0	/	19.08	/	20.50
	DFT-s-OFDM 16QAM	1	1	/	19.12	/	20.50
		1	1	/	19.11	/	20.50
		1	1	/	19.12	/	20.50
	CP-OFDM QPSK	1	1	/	19.18	/	20.50
		1	1	/	19.04	/	20.50
		1	1	/	19.09	/	20.50
	CP-OFDM 256QAM	1	1	/	19.10	/	20.50

N77-ANT7 DSI4&5&6-PC2							
Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dBm)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	18.51	18.64	18.54	20.00
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dBm)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	18.65	18.59	18.56	20.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dBm)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	18.52	18.69	18.65	20.00
Bandwidth (MHz)	Modulation	Channel		630834	633334	635832	Tune-up power(dBm)
		RB Size	RB offset	3462.51	3500.01	3537.48	
25	DFT-s-OFDM BPSK	1	1	18.69	18.61	18.69	20.00
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dBm)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	18.53	18.65	18.57	20.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dBm)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	18.70	18.61	18.51	20.00
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dBm)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	18.56	18.61	18.62	20.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dBm)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	18.69	18.59	18.64	20.00
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dBm)
		RB Size	RB offset	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	18.68	18.56	18.55	20.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dBm)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	18.64	18.56	18.57	20.00
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dBm)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	18.64	18.70	18.53	20.00
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dBm)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	18.56	/	20.00
		1	137	/	18.70	/	20.00
		1	271	/	18.53	/	20.00
	DFT-s-OFDM BPSK	135	0	/	18.69	/	20.00
		135	69	/	18.62	/	20.00
		135	138	/	18.57	/	20.00
	DFT-s-OFDM BPSK	270	0	/	18.67	/	20.00
		1	1	/	18.55	/	20.00
		1	137	/	18.64	/	20.00
	DFT-s-OFDM QPSK	1	271	/	18.53	/	20.00
		135	0	/	18.50	/	20.00
		135	69	/	18.65	/	20.00
	DFT-s-OFDM QPSK	135	138	/	18.58	/	20.00
		270	0	/	18.51	/	20.00
	DFT-s-OFDM 16QAM	1	1	/	18.67	/	20.00
		1	1	/	18.68	/	20.00
		1	1	/	18.53	/	20.00
	CP-OFDM QPSK	1	1	/	18.51	/	20.00
		1	1	/	18.63	/	20.00
		1	1	/	18.60	/	20.00
	CP-OFDM 256QAM	1	1	/	18.68	/	20.00

N77-ANT6 Full Power&DSI1&2&3&4&5&6-PC3							
Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dBm)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	19.67	19.33	19.33	20.00
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dBm)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	19.36	19.71	19.43	20.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dBm)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	19.49	19.49	19.69	20.00
Bandwidth (MHz)	Modulation	Channel		630834	633334	635832	Tune-up power(dBm)
		RB Size	RB offset	3462.51	3500.01	3537.48	
25	DFT-s-OFDM BPSK	1	1	19.50	19.53	19.57	20.00
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dBm)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	19.63	19.60	19.38	20.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dBm)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	19.65	19.64	19.53	20.00
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dBm)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	19.46	19.70	19.46	20.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dBm)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	19.67	19.46	19.54	20.00
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dBm)
		RB Size	RB offset	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	19.61	19.48	19.37	20.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dBm)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	19.55	19.44	19.54	20.00
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dBm)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	19.40	19.38	19.55	20.00
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dBm)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	19.52	/	20.00
		1	137	/	19.49	/	20.00
		1	271	/	19.44	/	20.00
	DFT-s-OFDM BPSK	135	0	/	18.85	/	19.50
		135	69	/	19.54	/	20.00
		135	138	/	19.05	/	19.50
	DFT-s-OFDM BPSK	270	0	/	18.98	/	19.50
		1	1	/	19.47	/	20.00
		1	137	/	19.65	/	20.00
	DFT-s-OFDM QPSK	1	271	/	19.57	/	20.00
		135	0	/	18.51	/	19.00
		135	69	/	19.36	/	20.00
	DFT-s-OFDM QPSK	135	138	/	18.40	/	19.00
		270	0	/	18.64	/	19.00
	DFT-s-OFDM 16QAM	1	1	/	18.53	/	19.00
		1	1	/	17.09	/	17.50
		1	1	/	14.85	/	15.50
	CP-OFDM QPSK	1	1	/	18.08	/	18.50
		1	1	/	17.65	/	18.00
		1	1	/	16.13	/	16.50
	CP-OFDM 64QAM	1	1	/	12.93	/	13.50
		1	1	/	12.93	/	13.50

N77-ANT6 Full Power&DSI1&2&3&4&5&6-PC2							
Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dBm)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	22.68	22.93	22.88	23.00
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dBm)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	22.92	22.73	22.93	23.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dBm)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	22.82	22.77	23.00	23.00
Bandwidth (MHz)	Modulation	Channel		630834	633334	635832	Tune-up power(dBm)
		RB Size	RB offset	3462.51	3500.01	3537.48	
25	DFT-s-OFDM BPSK	1	1	22.93	22.99	22.95	23.00
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dBm)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	22.84	22.88	22.66	23.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dBm)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	22.89	22.96	22.71	23.00
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dBm)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	22.74	22.81	22.76	23.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dBm)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	22.94	22.97	22.81	23.00
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dBm)
		RB Size	RB offset	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	22.86	22.69	22.84	23.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dBm)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	22.95	22.84	22.73	23.00
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dBm)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	22.81	22.79	22.69	23.00
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dBm)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	22.86	/	23.00
		1	137	/	22.98	/	23.00
		1	271	/	22.92	/	23.00
	DFT-s-OFDM BPSK	135	0	/	22.31	/	22.50
		135	69	/	22.90	/	23.00
		135	138	/	22.42	/	22.50
	DFT-s-OFDM BPSK	270	0	/	22.50	/	22.50
		1	1	/	22.85	/	23.00
		1	137	/	22.93	/	23.00
	DFT-s-OFDM QPSK	1	271	/	22.92	/	23.00
		135	0	/	21.87	/	22.00
		135	69	/	22.93	/	23.00
	DFT-s-OFDM QPSK	135	138	/	22.00	/	22.00
		270	0	/	21.94	/	22.00
	DFT-s-OFDM 16QAM	1	1	/	21.86	/	22.00
		1	1	/	20.36	/	20.50
		1	1	/	18.42	/	18.50
	CP-OFDM QPSK	1	1	/	21.41	/	21.50
		1	1	/	20.94	/	21.00
		1	1	/	19.39	/	19.50
	CP-OFDM 256QAM	1	1	/	16.38	/	16.50

N77-ANT1 Full Power&DSI1&2&3&4&5&6-PC3							
Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dBm)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	21.45	21.53	21.45	22.50
Bandwidth (MHz)	Modulation	Channel		647166	656000	664832	Tune-up power(dBm)
		RB Size	RB offset	3707.49	3840	3972.48	
15	DFT-s-OFDM BPSK	1	1	21.73	21.65	21.72	22.50
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dBm)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	21.77	21.50	21.51	22.50
Bandwidth (MHz)	Modulation	Channel		647500	656000	664500	Tune-up power(dBm)
		RB Size	RB offset	3712.5	3840	3967.5	
25	DFT-s-OFDM BPSK	1	1	21.55	21.40	21.50	22.50
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dBm)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	21.59	21.39	21.52	22.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dBm)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	21.65	21.45	21.70	22.50
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dBm)
		RB Size	RB offset	3725.01	3840	3954.99	
50	DFT-s-OFDM BPSK	1	1	21.62	21.42	21.67	22.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dBm)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	21.49	21.32	21.50	22.50
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dBm)
		RB Size	RB offset	3735	3840	3945	
70	DFT-s-OFDM BPSK	1	1	21.55	21.51	21.82	22.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dBm)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	21.48	21.49	21.81	22.50
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dBm)
		RB Size	RB offset	3745.02	3840	3934.98	
90	DFT-s-OFDM BPSK	1	1	21.53	21.32	21.80	22.50
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dBm)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	21.57	21.65	21.47	22.50
		1	137	21.37	21.26	21.31	22.50
		1	271	21.05	21.15	21.27	22.50
	DFT-s-OFDM BPSK	135	0	20.87	20.97	20.91	22.00
		135	69	21.55	21.62	21.46	22.50
		135	138	20.98	20.86	21.06	22.00
	DFT-s-OFDM BPSK	270	0	21.14	20.99	21.00	22.00
		1	1	21.77	21.61	21.76	22.50
		1	137	21.44	21.55	21.66	22.50
	DFT-s-OFDM QPSK	1	271	21.41	21.60	21.59	22.50
		135	0	20.68	20.50	20.57	21.50
		135	69	21.37	21.54	21.71	22.50
	DFT-s-OFDM QPSK	135	138	20.39	20.59	20.50	21.50
		270	0	20.59	20.42	20.32	21.50
		1	1	20.10	20.21	20.35	21.50
	DFT-s-OFDM 16QAM	1	1	19.17	18.98	18.94	20.00
	DFT-s-OFDM 256QAM	1	1	17.51	17.34	17.45	18.00
	CP-OFDM QPSK	1	1	20.31	20.11	19.91	21.00
	CP-OFDM 16QAM	1	1	19.36	19.54	19.50	20.50
	CP-OFDM 64QAM	1	1	18.00	18.01	18.18	19.00
	CP-OFDM 256QAM	1	1	15.33	15.27	15.19	16.00

N77-ANT1 Full Power&DSI1&2&3&4&5&6-PC3							
Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dBm)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	24.67	24.46	24.65	25.50
Bandwidth (MHz)	Modulation	Channel		647166	656000	664832	Tune-up power(dBm)
		RB Size	RB offset	3707.49	3840	3972.48	
15	DFT-s-OFDM BPSK	1	1	24.69	24.38	24.65	25.50
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dBm)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	24.65	24.52	24.73	25.50
Bandwidth (MHz)	Modulation	Channel		647500	656000	664500	Tune-up power(dBm)
		RB Size	RB offset	3712.5	3840	3967.5	
25	DFT-s-OFDM BPSK	1	1	24.67	24.59	24.67	25.50
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dBm)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	24.72	24.72	24.80	25.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dBm)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	24.89	24.40	24.66	25.50
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dBm)
		RB Size	RB offset	3725.01	3840	3954.99	
50	DFT-s-OFDM BPSK	1	1	24.92	24.42	24.79	25.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dBm)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	24.76	24.36	24.56	25.50
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dBm)
		RB Size	RB offset	3735	3840	3945	
70	DFT-s-OFDM BPSK	1	1	24.59	24.37	24.65	25.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dBm)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	24.65	24.40	24.59	25.50
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dBm)
		RB Size	RB offset	3745.02	3840	3934.98	
90	DFT-s-OFDM BPSK	1	1	24.76	24.46	24.52	25.50
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dBm)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	24.55	24.73	24.66	25.50
		1	137	24.39	24.39	24.43	25.50
		1	271	24.47	24.40	24.59	25.50
	DFT-s-OFDM BPSK	135	0	24.09	23.98	24.09	25.00
		135	69	24.48	24.57	24.50	25.50
		135	138	23.99	23.79	23.76	25.00
	DFT-s-OFDM BPSK	270	0	24.13	23.96	24.04	25.00
		1	1	24.77	24.57	24.64	25.50
		1	137	24.77	24.58	24.71	25.50
	DFT-s-OFDM QPSK	1	271	24.63	24.44	24.41	25.50
		135	0	23.31	23.44	23.35	24.50
		135	69	24.40	24.53	24.38	25.50
	DFT-s-OFDM QPSK	135	138	23.41	23.54	23.44	24.50
		270	0	23.67	23.63	23.60	24.50
		1	1	23.77	23.73	23.69	24.50
	DFT-s-OFDM 16QAM	1	1	22.11	22.08	21.94	23.00
	DFT-s-OFDM 256QAM	1	1	20.35	20.25	20.18	21.00
	CP-OFDM QPSK	1	1	22.90	23.01	23.04	24.00
	CP-OFDM 16QAM	1	1	22.48	22.67	22.87	23.50
	CP-OFDM 64QAM	1	1	20.76	20.96	21.09	22.00
	CP-OFDM 256QAM	1	1	18.26	17.63	18.38	19.00

N77-ANT2 Full Power&DSI1&2&3&4&5&6-PC3							
Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dBm)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	22.61	22.54	22.46	23.00
Bandwidth (MHz)	Modulation	Channel		647166	656000	664832	Tune-up power(dBm)
		RB Size	RB offset	3707.49	3840	3972.48	
15	DFT-s-OFDM BPSK	1	1	22.59	22.46	22.42	23.00
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dBm)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	22.65	22.47	22.50	23.00
Bandwidth (MHz)	Modulation	Channel		647500	656000	664500	Tune-up power(dBm)
		RB Size	RB offset	3712.5	3840	3967.5	
25	DFT-s-OFDM BPSK	1	1	22.60	22.45	22.57	23.00
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dBm)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	22.67	22.41	22.39	23.00
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dBm)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	22.80	22.52	22.73	23.00
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dBm)
		RB Size	RB offset	3725.01	3840	3954.99	
50	DFT-s-OFDM BPSK	1	1	22.71	22.60	22.64	23.00
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dBm)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	22.68	22.60	22.57	23.00
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dBm)
		RB Size	RB offset	3735	3840	3945	
70	DFT-s-OFDM BPSK	1	1	22.78	22.47	22.37	23.00
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dBm)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	22.87	22.65	22.58	23.00
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dBm)
		RB Size	RB offset	3745.02	3840	3934.98	
90	DFT-s-OFDM BPSK	1	1	22.82	22.39	22.39	23.00
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dBm)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	22.52	22.70	22.57	23.00
		1	137	22.48	22.53	22.55	23.00
		1	271	22.73	22.56	22.57	23.00
	DFT-s-OFDM BPSK	135	0	22.35	22.18	22.13	22.50
		135	69	22.56	22.93	22.76	23.00
		135	138	22.38	22.31	22.40	22.50
	DFT-s-OFDM BPSK	270	0	22.34	22.26	22.20	22.50
		1	1	22.63	22.62	22.63	23.00
		1	137	22.42	22.57	22.60	23.00
	DFT-s-OFDM QPSK	1	271	22.75	22.59	22.65	23.00
		135	0	21.51	21.68	21.65	22.00
		135	69	22.85	22.74	22.58	23.00
	DFT-s-OFDM QPSK	135	138	21.73	21.60	21.74	22.00
		270	0	21.86	21.75	21.62	22.00
	DFT-s-OFDM 16QAM	1	1	21.38	21.42	21.36	22.00
		1	1	19.84	19.93	19.76	20.50
		1	1	18.14	18.34	18.36	18.50
	CP-OFDM QPSK	1	1	21.10	20.98	21.10	21.50
		1	1	20.56	20.50	20.63	21.00
		1	1	19.11	18.98	18.94	19.50
	CP-OFDM 256QAM	1	1	16.13	15.98	15.90	16.50

N77-ANT2 Full Power&DSI1&2&3&4&5&6-PC2							
Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dBm)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	25.31	25.49	25.84	26.00
Bandwidth (MHz)	Modulation	Channel		647166	656000	664832	Tune-up power(dBm)
		RB Size	RB offset	3707.49	3840	3972.48	
15	DFT-s-OFDM BPSK	1	1	25.34	25.48	25.88	26.00
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dBm)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	25.66	25.69	25.77	26.00
Bandwidth (MHz)	Modulation	Channel		647500	656000	664500	Tune-up power(dBm)
		RB Size	RB offset	3712.5	3840	3967.5	
25	DFT-s-OFDM BPSK	1	1	25.42	25.48	25.83	26.00
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dBm)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	25.50	25.84	25.69	26.00
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dBm)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	25.34	25.64	25.75	26.00
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dBm)
		RB Size	RB offset	3725.01	3840	3954.99	
50	DFT-s-OFDM BPSK	1	1	25.67	25.47	25.57	26.00
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dBm)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	25.39	25.63	25.85	26.00
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dBm)
		RB Size	RB offset	3735	3840	3945	
70	DFT-s-OFDM BPSK	1	1	25.66	25.81	25.88	26.00
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dBm)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	25.39	25.86	25.88	26.00
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dBm)
		RB Size	RB offset	3745.02	3840	3934.98	
90	DFT-s-OFDM BPSK	1	1	25.49	25.59	25.74	26.00
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dBm)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	25.50	25.75	25.67	26.00
		1	137	25.85	25.73	25.68	26.00
		1	271	25.78	25.89	25.97	26.00
	DFT-s-OFDM BPSK	135	0	25.32	25.22	25.12	25.50
		135	69	25.47	25.70	25.67	26.00
		135	138	25.25	25.28	25.41	25.50
	DFT-s-OFDM BPSK	270	0	25.13	25.07	24.95	25.50
		1	1	25.58	25.71	25.57	26.00
		1	137	25.61	25.58	25.63	26.00
	DFT-s-OFDM QPSK	1	271	25.71	25.64	25.74	26.00
		135	0	24.55	24.70	24.58	25.00
		135	69	25.56	25.62	25.62	26.00
	DFT-s-OFDM QPSK	135	138	24.63	24.68	24.66	25.00
		270	0	24.75	24.72	24.69	25.00
	DFT-s-OFDM 16QAM	1	1	24.98	24.78	24.93	25.00
	DFT-s-OFDM 64QAM	1	1	23.15	23.25	23.37	23.50
	DFT-s-OFDM 256QAM	1	1	21.47	21.48	21.49	21.50
	CP-OFDM QPSK	1	1	24.09	24.08	23.99	24.50
	CP-OFDM 16QAM	1	1	23.46	23.54	23.59	24.00
	CP-OFDM 64QAM	1	1	21.89	21.97	21.82	22.50
	CP-OFDM 256QAM	1	1	18.96	19.12	19.17	19.50

N77-ANT3 Full Power&DSI1&2-PC3							
Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dBm)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	23.06	23.12	23.09	24.50
Bandwidth (MHz)	Modulation	Channel		647166	656000	664832	Tune-up power(dBm)
		RB Size	RB offset	3707.49	3840	3972.48	
15	DFT-s-OFDM BPSK	1	1	23.14	22.81	23.02	24.50
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dBm)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	22.96	22.94	22.95	24.50
Bandwidth (MHz)	Modulation	Channel		647500	656000	664500	Tune-up power(dBm)
		RB Size	RB offset	3712.5	3840	3967.5	
25	DFT-s-OFDM BPSK	1	1	22.88	23.00	22.93	24.50
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dBm)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	22.77	22.91	23.13	24.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dBm)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	22.77	23.20	22.77	24.50
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dBm)
		RB Size	RB offset	3725.01	3840	3954.99	
50	DFT-s-OFDM BPSK	1	1	22.98	22.86	23.12	24.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dBm)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	22.99	23.04	22.78	24.50
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dBm)
		RB Size	RB offset	3735	3840	3945	
70	DFT-s-OFDM BPSK	1	1	22.98	23.01	22.83	24.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dBm)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	22.80	22.80	23.10	24.50
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dBm)
		RB Size	RB offset	3745.02	3840	3934.98	
90	DFT-s-OFDM BPSK	1	1	22.94	23.19	23.11	24.50
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dBm)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	22.94	23.00	22.93	24.50
		1	137	22.83	22.94	23.05	24.50
		1	271	23.06	22.94	22.94	24.50
	DFT-s-OFDM BPSK	135	0	22.49	22.36	22.53	24.00
		135	69	22.82	22.96	22.91	24.50
		135	138	22.38	22.44	22.51	24.00
	DFT-s-OFDM BPSK	270	0	22.33	22.42	22.23	24.00
		1	1	23.02	23.08	23.16	24.50
		1	137	22.97	22.88	23.04	24.50
	DFT-s-OFDM QPSK	1	271	22.85	22.92	22.84	24.50
		135	0	21.93	21.86	21.91	23.50
		135	69	22.94	22.95	23.02	24.50
	DFT-s-OFDM QPSK	135	138	22.00	21.84	21.81	23.50
		270	0	21.56	21.67	21.65	23.50
	DFT-s-OFDM 16QAM	1	1	22.14	22.12	22.15	23.50
		1	1	20.67	20.64	20.82	22.00
		1	1	18.48	18.42	18.31	20.00
	CP-OFDM QPSK	1	1	21.69	21.62	21.77	23.00
		1	1	21.42	21.40	21.55	22.50
		1	1	19.44	19.25	19.26	21.00
	CP-OFDM 256QAM	1	1	16.66	16.47	16.32	18.00

N77-ANT3 DSI3-PC3							
Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dBm)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	21.11	21.09	21.13	22.50
Bandwidth (MHz)	Modulation	Channel		647166	656000	664832	Tune-up power(dBm)
		RB Size	RB offset	3707.49	3840	3972.48	
15	DFT-s-OFDM BPSK	1	1	21.09	21.13	21.04	22.50
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dBm)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	21.06	21.11	21.00	22.50
Bandwidth (MHz)	Modulation	Channel		647500	656000	664500	Tune-up power(dBm)
		RB Size	RB offset	3712.5	3840	3967.5	
25	DFT-s-OFDM BPSK	1	1	21.13	21.09	21.18	22.50
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dBm)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	21.02	21.18	21.11	22.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dBm)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	21.00	21.03	21.02	22.50
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dBm)
		RB Size	RB offset	3725.01	3840	3954.99	
50	DFT-s-OFDM BPSK	1	1	21.19	21.13	21.00	22.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dBm)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	21.07	21.09	21.04	22.50
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dBm)
		RB Size	RB offset	3735	3840	3945	
70	DFT-s-OFDM BPSK	1	1	21.15	21.18	21.11	22.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dBm)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	21.16	21.10	21.20	22.50
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dBm)
		RB Size	RB offset	3745.02	3840	3934.98	
90	DFT-s-OFDM BPSK	1	1	21.20	21.05	21.16	22.50
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dBm)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	21.06	21.15	21.07	22.50
		1	137	21.07	21.02	21.15	22.50
		1	271	21.11	21.07	21.20	22.50
	DFT-s-OFDM BPSK	135	0	21.05	21.05	21.12	22.50
		135	69	21.19	21.02	21.07	22.50
		135	138	21.00	21.00	21.11	22.50
	DFT-s-OFDM BPSK	270	0	21.19	21.19	21.11	22.50
		1	1	21.20	21.03	21.18	22.50
		1	137	21.19	21.16	21.08	22.50
	DFT-s-OFDM QPSK	1	271	21.08	21.05	21.04	22.50
		135	0	21.15	21.18	21.03	22.50
		135	69	21.13	21.17	21.15	22.50
	DFT-s-OFDM QPSK	135	138	21.16	21.05	21.07	22.50
		270	0	21.06	21.07	21.13	22.50
		1	1	21.20	21.02	21.12	22.50
	DFT-s-OFDM 16QAM	1	1	20.52	20.50	20.65	22.00
	DFT-s-OFDM 64QAM	1	1	20.52	20.50	20.65	22.00
	DFT-s-OFDM 256QAM	1	1	18.54	18.52	18.65	20.00
	CP-OFDM QPSK	1	1	21.16	21.04	21.16	22.50
	CP-OFDM 16QAM	1	1	21.02	21.01	21.13	22.50
	CP-OFDM 64QAM	1	1	19.53	19.67	19.64	21.00
	CP-OFDM 256QAM	1	1	16.60	16.64	16.58	18.00

N77-ANT3 DSI4-PC3							
Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dBm)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	16.07	16.05	16.14	17.50
Bandwidth (MHz)	Modulation	Channel		647166	656000	664832	Tune-up power(dBm)
		RB Size	RB offset	3707.49	3840	3972.48	
15	DFT-s-OFDM BPSK	1	1	16.07	16.17	16.10	17.50
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dBm)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	16.19	16.19	16.09	17.50
Bandwidth (MHz)	Modulation	Channel		647500	656000	664500	Tune-up power(dBm)
		RB Size	RB offset	3712.5	3840	3967.5	
25	DFT-s-OFDM BPSK	1	1	16.05	16.00	16.02	17.50
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dBm)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	16.19	16.17	16.09	17.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dBm)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	16.17	16.12	16.14	17.50
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dBm)
		RB Size	RB offset	3725.01	3840	3954.99	
50	DFT-s-OFDM BPSK	1	1	16.04	16.04	16.02	17.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dBm)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	16.05	16.05	16.15	17.50
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dBm)
		RB Size	RB offset	3735	3840	3945	
70	DFT-s-OFDM BPSK	1	1	16.18	16.16	16.07	17.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dBm)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	16.09	16.13	16.02	17.50
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dBm)
		RB Size	RB offset	3745.02	3840	3934.98	
90	DFT-s-OFDM BPSK	1	1	16.09	16.14	16.11	17.50
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dBm)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	16.02	16.18	16.01	17.50
		1	137	16.02	16.08	16.01	17.50
		1	271	16.01	16.13	16.16	17.50
	DFT-s-OFDM BPSK	135	0	16.05	16.00	16.03	17.50
		135	69	16.06	16.10	16.07	17.50
		135	138	16.07	16.15	16.12	17.50
	DFT-s-OFDM BPSK	270	0	16.17	16.19	16.19	17.50
		1	1	16.06	16.16	16.11	17.50
		1	137	16.19	16.09	16.17	17.50
	DFT-s-OFDM QPSK	1	271	16.04	16.01	16.03	17.50
		135	0	16.07	16.07	16.02	17.50
		135	69	16.19	16.18	16.15	17.50
	DFT-s-OFDM QPSK	135	138	16.04	16.09	16.17	17.50
		270	0	16.16	16.19	16.02	17.50
	DFT-s-OFDM 16QAM	1	1	16.08	16.12	16.19	17.50
		1	1	16.06	16.16	16.03	17.50
		1	1	16.00	16.14	16.06	17.50
	CP-OFDM QPSK	1	1	16.03	16.08	16.15	17.50
		1	1	16.05	16.09	16.11	17.50
		1	1	16.12	16.08	16.00	17.50
	CP-OFDM 256QAM	1	1	16.15	16.17	16.02	17.50

N77-ANT3 DSI5&6-PC3							
Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dBm)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	15.64	15.66	15.54	17.00
Bandwidth (MHz)	Modulation	Channel		647166	656000	664832	Tune-up power(dBm)
		RB Size	RB offset	3707.49	3840	3972.48	
15	DFT-s-OFDM BPSK	1	1	15.50	15.63	15.58	17.00
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dBm)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	15.53	15.66	15.60	17.00
Bandwidth (MHz)	Modulation	Channel		647500	656000	664500	Tune-up power(dBm)
		RB Size	RB offset	3712.5	3840	3967.5	
25	DFT-s-OFDM BPSK	1	1	15.62	15.67	15.50	17.00
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dBm)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	15.52	15.57	15.54	17.00
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dBm)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	15.68	15.70	15.56	17.00
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dBm)
		RB Size	RB offset	3725.01	3840	3954.99	
50	DFT-s-OFDM BPSK	1	1	15.66	15.69	15.64	17.00
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dBm)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	15.65	15.50	15.70	17.00
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dBm)
		RB Size	RB offset	3735	3840	3945	
70	DFT-s-OFDM BPSK	1	1	15.54	15.66	15.67	17.00
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dBm)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	15.55	15.50	15.52	17.00
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dBm)
		RB Size	RB offset	3745.02	3840	3934.98	
90	DFT-s-OFDM BPSK	1	1	15.67	15.63	15.63	17.00
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dBm)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	15.52	15.62	15.53	17.00
		1	137	15.55	15.51	15.52	17.00
		1	271	15.63	15.57	15.65	17.00
	DFT-s-OFDM BPSK	135	0	15.50	15.61	15.67	17.00
		135	69	15.56	15.62	15.60	17.00
		135	138	15.63	15.67	15.68	17.00
	DFT-s-OFDM BPSK	270	0	15.64	15.51	15.59	17.00
		1	1	15.54	15.69	15.62	17.00
		1	137	15.67	15.53	15.61	17.00
	DFT-s-OFDM QPSK	1	271	15.54	15.57	15.51	17.00
		135	0	15.58	15.62	15.51	17.00
		135	69	15.59	15.56	15.66	17.00
	DFT-s-OFDM QPSK	135	138	15.61	15.63	15.52	17.00
		270	0	15.51	15.61	15.51	17.00
		DFT-s-OFDM 16QAM	1	1	15.67	15.65	15.68
	DFT-s-OFDM 64QAM	1	1	15.70	15.70	15.56	17.00
	DFT-s-OFDM 256QAM	1	1	15.51	15.56	15.67	17.00
	CP-OFDM QPSK	1	1	15.65	15.66	15.62	17.00
	CP-OFDM 16QAM	1	1	15.53	15.54	15.54	17.00
	CP-OFDM 64QAM	1	1	15.56	15.67	15.65	17.00
	CP-OFDM 256QAM	1	1	15.64	15.56	15.51	17.00

N77-ANT3 Full Power&DSI1&2-PC2							
Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dBm)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	26.14	26.06	26.08	27.50
Bandwidth (MHz)	Modulation	Channel		647166	656000	664832	Tune-up power(dBm)
		RB Size	RB offset	3707.49	3840	3972.48	
15	DFT-s-OFDM BPSK	1	1	26.02	25.93	25.99	27.50
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dBm)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	26.12	26.03	25.98	27.50
Bandwidth (MHz)	Modulation	Channel		647500	656000	664500	Tune-up power(dBm)
		RB Size	RB offset	3712.5	3840	3967.5	
25	DFT-s-OFDM BPSK	1	1	26.08	26.14	26.09	27.50
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dBm)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	26.41	26.23	26.01	27.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dBm)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	26.37	25.92	25.84	27.50
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dBm)
		RB Size	RB offset	3725.01	3840	3954.99	
50	DFT-s-OFDM BPSK	1	1	26.07	26.08	26.07	27.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dBm)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	26.31	26.20	25.92	27.50
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dBm)
		RB Size	RB offset	3735	3840	3945	
70	DFT-s-OFDM BPSK	1	1	26.01	26.14	26.10	27.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dBm)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	26.29	26.08	25.96	27.50
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dBm)
		RB Size	RB offset	3745.02	3840	3934.98	
90	DFT-s-OFDM BPSK	1	1	26.15	26.06	25.97	27.50
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dBm)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	26.09	26.21	25.96	27.50
		1	137	25.92	25.94	26.08	27.50
		1	271	25.94	25.96	26.11	27.50
	DFT-s-OFDM BPSK	135	0	25.55	25.58	25.76	27.00
		135	69	26.03	26.14	26.03	27.50
		135	138	25.37	25.44	25.25	27.00
	DFT-s-OFDM BPSK	270	0	25.71	25.69	25.69	27.00
		1	1	25.93	26.01	26.02	27.50
		1	137	26.16	26.04	26.09	27.50
	DFT-s-OFDM QPSK	1	271	26.36	26.17	26.32	27.50
		135	0	25.16	25.11	25.20	26.50
		135	69	26.00	26.02	26.07	27.50
	DFT-s-OFDM QPSK	135	138	24.89	24.93	24.84	26.50
		270	0	25.11	25.13	25.16	26.50
		1	1	24.93	25.09	25.19	26.50
	DFT-s-OFDM 16QAM	1	1	23.41	23.44	23.51	25.00
	DFT-s-OFDM 256QAM	1	1	21.77	21.77	21.82	23.00
	CP-OFDM QPSK	1	1	24.71	24.57	24.73	26.00
	CP-OFDM 16QAM	1	1	23.61	23.81	23.61	25.50
	CP-OFDM 64QAM	1	1	22.34	22.41	22.26	24.00
	CP-OFDM 256QAM	1	1	19.43	19.48	19.59	21.00

N77-ANT3 DSI3-PC2							
Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dBm)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	24.20	24.19	24.02	25.50
Bandwidth (MHz)	Modulation	Channel		647166	656000	664832	Tune-up power(dBm)
		RB Size	RB offset	3707.49	3840	3972.48	
15	DFT-s-OFDM BPSK	1	1	24.04	24.08	24.11	25.50
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dBm)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	24.06	24.08	24.17	25.50
Bandwidth (MHz)	Modulation	Channel		647500	656000	664500	Tune-up power(dBm)
		RB Size	RB offset	3712.5	3840	3967.5	
25	DFT-s-OFDM BPSK	1	1	24.19	24.16	24.16	25.50
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dBm)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	24.03	24.16	24.08	25.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dBm)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	24.08	24.16	24.01	25.50
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dBm)
		RB Size	RB offset	3725.01	3840	3954.99	
50	DFT-s-OFDM BPSK	1	1	24.04	24.14	24.16	25.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dBm)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	24.11	24.10	24.19	25.50
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dBm)
		RB Size	RB offset	3735	3840	3945	
70	DFT-s-OFDM BPSK	1	1	24.00	24.08	24.18	25.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dBm)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	24.05	24.15	24.00	25.50
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dBm)
		RB Size	RB offset	3745.02	3840	3934.98	
90	DFT-s-OFDM BPSK	1	1	24.04	24.05	24.01	25.50
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dBm)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	24.11	24.08	24.19	25.50
		1	137	24.11	24.07	24.19	25.50
		1	271	24.04	24.03	24.07	25.50
	DFT-s-OFDM BPSK	135	0	24.04	24.02	24.02	25.50
		135	69	24.07	24.09	24.09	25.50
		135	138	24.19	24.00	24.00	25.50
	DFT-s-OFDM BPSK	270	0	24.01	24.08	24.07	25.50
		1	1	24.07	24.08	24.14	25.50
		1	137	24.20	24.12	24.02	25.50
	DFT-s-OFDM QPSK	1	271	24.06	24.10	24.08	25.50
		135	0	24.02	24.04	24.07	25.50
		135	69	24.18	24.07	24.16	25.50
	DFT-s-OFDM QPSK	135	138	24.10	24.10	24.00	25.50
		270	0	24.04	24.07	24.14	25.50
		1	1	24.12	24.18	24.07	25.50
	DFT-s-OFDM 16QAM	1	1	23.53	23.68	23.52	25.00
	DFT-s-OFDM 64QAM	1	1	21.50	21.69	21.64	23.00
	DFT-s-OFDM 256QAM	1	1	24.19	24.09	24.20	25.50
	CP-OFDM 16QAM	1	1	24.13	24.02	24.06	25.50
	CP-OFDM 64QAM	1	1	22.64	22.69	22.50	24.00
	CP-OFDM 256QAM	1	1	19.70	19.67	19.57	21.00

N77-ANT7 DSI4-PC2							
Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dBm)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	19.01	19.01	19.11	20.50
Bandwidth (MHz)	Modulation	Channel		647166	656000	664832	Tune-up power(dBm)
		RB Size	RB offset	3707.49	3840	3972.48	
15	DFT-s-OFDM BPSK	1	1	19.11	19.00	19.20	20.50
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dBm)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	19.08	19.06	19.16	20.50
Bandwidth (MHz)	Modulation	Channel		647500	656000	664500	Tune-up power(dBm)
		RB Size	RB offset	3712.5	3840	3967.5	
25	DFT-s-OFDM BPSK	1	1	19.16	19.13	19.12	20.50
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dBm)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	19.16	19.15	19.03	20.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dBm)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	19.12	19.00	19.11	20.50
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dBm)
		RB Size	RB offset	3725.01	3840	3954.99	
50	DFT-s-OFDM BPSK	1	1	19.15	19.08	19.11	20.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dBm)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	19.16	19.20	19.08	20.50
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dBm)
		RB Size	RB offset	3735	3840	3945	
70	DFT-s-OFDM BPSK	1	1	19.01	19.13	19.07	20.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dBm)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	19.18	19.00	19.13	20.50
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dBm)
		RB Size	RB offset	3745.02	3840	3934.98	
90	DFT-s-OFDM BPSK	1	1	19.16	19.16	19.02	20.50
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dBm)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	19.19	19.01	19.19	20.50
		1	137	19.10	19.06	19.12	20.50
		1	271	19.12	19.18	19.13	20.50
	DFT-s-OFDM BPSK	135	0	19.10	19.07	19.01	20.50
		135	69	19.17	19.17	19.16	20.50
		135	138	19.06	19.15	19.01	20.50
	DFT-s-OFDM BPSK	270	0	19.08	19.14	19.00	20.50
		1	1	19.10	19.02	19.03	20.50
		1	137	19.05	19.14	19.15	20.50
	DFT-s-OFDM QPSK	1	271	19.01	19.01	19.19	20.50
		135	0	19.07	19.19	19.14	20.50
		135	69	19.10	19.10	19.18	20.50
	DFT-s-OFDM QPSK	135	138	19.18	19.06	19.12	20.50
		270	0	19.11	19.18	19.02	20.50
	DFT-s-OFDM 16QAM	1	1	19.15	19.07	19.09	20.50
		1	1	19.19	19.01	19.19	20.50
	DFT-s-OFDM 256QAM	1	1	19.17	19.14	19.01	20.50
		1	1	19.01	19.02	19.01	20.50
	CP-OFDM 16QAM	1	1	19.08	19.05	19.04	20.50
		1	1	19.01	19.09	19.11	20.50
	CP-OFDM 256QAM	1	1	19.11	19.00	19.17	20.50

N77-ANT7 DSI4&5&6-PC2							
Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dBm)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	18.53	18.52	18.69	20.00
Bandwidth (MHz)	Modulation	Channel		647166	656000	664832	Tune-up power(dBm)
		RB Size	RB offset	3707.49	3840	3972.48	
15	DFT-s-OFDM BPSK	1	1	18.56	18.67	18.56	20.00
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dBm)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	18.53	18.55	18.58	20.00
Bandwidth (MHz)	Modulation	Channel		647500	656000	664500	Tune-up power(dBm)
		RB Size	RB offset	3712.5	3840	3967.5	
25	DFT-s-OFDM BPSK	1	1	18.56	18.52	18.51	20.00
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dBm)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	18.52	18.56	18.59	20.00
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dBm)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	18.54	18.60	18.60	20.00
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dBm)
		RB Size	RB offset	3725.01	3840	3954.99	
50	DFT-s-OFDM BPSK	1	1	18.67	18.68	18.58	20.00
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dBm)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	18.63	18.63	18.63	20.00
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dBm)
		RB Size	RB offset	3735	3840	3945	
70	DFT-s-OFDM BPSK	1	1	18.62	18.70	18.50	20.00
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dBm)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	18.54	18.56	18.61	20.00
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dBm)
		RB Size	RB offset	3745.02	3840	3934.98	
90	DFT-s-OFDM BPSK	1	1	18.55	18.54	18.61	20.00
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dBm)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	18.66	18.58	18.59	20.00
		1	137	18.70	18.62	18.60	20.00
		1	271	18.64	18.58	18.66	20.00
	DFT-s-OFDM BPSK	135	0	18.55	18.66	18.53	20.00
		135	69	18.54	18.55	18.61	20.00
		135	138	18.64	18.52	18.65	20.00
	DFT-s-OFDM BPSK	270	0	18.50	18.56	18.64	20.00
		1	1	18.65	18.50	18.70	20.00
		1	137	18.69	18.70	18.55	20.00
	DFT-s-OFDM QPSK	1	271	18.59	18.55	18.67	20.00
		135	0	18.58	18.67	18.58	20.00
		135	69	18.65	18.67	18.57	20.00
	DFT-s-OFDM QPSK	135	138	18.65	18.63	18.68	20.00
		270	0	18.57	18.60	18.59	20.00
	DFT-s-OFDM 16QAM	1	1	18.64	18.54	18.67	20.00
	DFT-s-OFDM 64QAM	1	1	18.53	18.54	18.69	20.00
	DFT-s-OFDM 256QAM	1	1	18.55	18.58	18.58	20.00
	CP-OFDM QPSK	1	1	18.67	18.70	18.66	20.00
	CP-OFDM 16QAM	1	1	18.57	18.61	18.60	20.00
	CP-OFDM 64QAM	1	1	18.67	18.64	18.52	20.00
	CP-OFDM 256QAM	1	1	18.63	18.62	18.50	20.00

N77-ANT6 Full Power&DSI1&2&3&4&5&6-PC3							
Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dBm)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	18.83	18.72	18.79	20.00
Bandwidth (MHz)	Modulation	Channel		647166	656000	664832	Tune-up power(dBm)
		RB Size	RB offset	3707.49	3840	3972.48	
15	DFT-s-OFDM BPSK	1	1	19.01	18.84	19.05	20.00
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dBm)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	19.04	18.95	18.93	20.00
Bandwidth (MHz)	Modulation	Channel		647500	656000	664500	Tune-up power(dBm)
		RB Size	RB offset	3712.5	3840	3967.5	
25	DFT-s-OFDM BPSK	1	1	18.80	18.76	18.66	20.00
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dBm)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	18.94	18.84	18.80	20.00
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dBm)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	18.98	18.86	18.83	20.00
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dBm)
		RB Size	RB offset	3725.01	3840	3954.99	
50	DFT-s-OFDM BPSK	1	1	18.72	18.93	18.79	20.00
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dBm)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	18.76	18.82	18.72	20.00
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dBm)
		RB Size	RB offset	3735	3840	3945	
70	DFT-s-OFDM BPSK	1	1	18.76	19.00	19.03	20.00
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dBm)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	19.01	19.08	18.70	20.00
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dBm)
		RB Size	RB offset	3745.02	3840	3934.98	
90	DFT-s-OFDM BPSK	1	1	18.97	18.96	18.97	20.00
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dBm)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	18.86	18.92	18.85	20.00
		1	137	18.37	18.36	18.51	20.00
		1	271	18.29	18.09	18.23	20.00
	DFT-s-OFDM BPSK	135	0	17.98	18.15	18.19	19.50
		135	69	18.56	18.73	18.68	20.00
		135	138	17.99	18.04	18.00	19.50
	DFT-s-OFDM BPSK	270	0	17.90	17.88	17.81	19.50
		1	1	18.75	18.61	18.47	20.00
		1	137	18.46	18.47	18.67	20.00
	DFT-s-OFDM QPSK	1	271	18.26	18.46	18.44	20.00
		135	0	17.40	17.44	17.57	19.00
		135	69	18.49	18.65	18.57	20.00
	DFT-s-OFDM QPSK	135	138	17.64	17.54	17.40	19.00
		270	0	17.57	17.46	17.42	19.00
	DFT-s-OFDM 16QAM	1	1	17.24	17.36	17.26	19.00
		1	1	15.94	16.02	16.20	17.50
		1	1	13.86	13.91	13.86	15.50
	CP-OFDM QPSK	1	1	17.03	16.98	16.92	18.50
		1	1	16.50	16.47	16.27	18.00
		1	1	15.04	14.98	14.89	16.50
	CP-OFDM 256QAM	1	1	12.40	12.29	12.31	13.50

N77-ANT6 Full Power&DSI1&2&3&4&5&6-PC2							
Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dBm)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	21.15	21.11	21.16	23.00
Bandwidth (MHz)	Modulation	Channel		647166	656000	664832	Tune-up power(dBm)
		RB Size	RB offset	3707.49	3840	3972.48	
15	DFT-s-OFDM BPSK	1	1	21.16	21.21	21.12	23.00
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dBm)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	21.25	21.12	21.27	23.00
Bandwidth (MHz)	Modulation	Channel		647500	656000	664500	Tune-up power(dBm)
		RB Size	RB offset	3712.5	3840	3967.5	
25	DFT-s-OFDM BPSK	1	1	21.26	21.31	21.24	23.00
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dBm)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	21.21	21.09	21.29	23.00
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dBm)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	21.35	21.24	21.28	23.00
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dBm)
		RB Size	RB offset	3725.01	3840	3954.99	
50	DFT-s-OFDM BPSK	1	1	21.25	21.44	21.23	23.00
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dBm)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	21.30	21.25	21.38	23.00
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dBm)
		RB Size	RB offset	3735	3840	3945	
70	DFT-s-OFDM BPSK	1	1	21.11	21.40	21.24	23.00
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dBm)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	21.46	21.24	21.33	23.00
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dBm)
		RB Size	RB offset	3745.02	3840	3934.98	
90	DFT-s-OFDM BPSK	1	1	21.20	21.19	21.26	23.00
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dBm)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	21.29	21.30	21.28	23.00
		1	137	21.05	21.01	21.19	23.00
		1	271	21.09	21.36	21.20	23.00
	DFT-s-OFDM BPSK	135	0	21.16	21.20	21.40	22.50
		135	69	21.32	21.62	21.46	23.00
		135	138	21.09	21.02	21.14	22.50
	DFT-s-OFDM BPSK	270	0	20.94	20.91	20.79	22.50
		1	1	21.36	21.43	21.58	23.00
		1	137	21.50	21.51	21.65	23.00
	DFT-s-OFDM QPSK	1	271	21.29	21.44	21.56	23.00
		135	0	20.63	20.49	20.41	22.00
		135	69	21.71	21.55	21.61	23.00
	DFT-s-OFDM QPSK	135	138	20.55	20.50	20.50	22.00
		270	0	20.43	20.35	20.24	22.00
		1	1	20.47	20.51	20.33	22.00
	DFT-s-OFDM 16QAM	1	1	18.79	18.97	19.07	20.50
	DFT-s-OFDM 256QAM	1	1	16.90	17.04	17.06	18.50
	CP-OFDM QPSK	1	1	19.84	19.89	19.74	21.50
	CP-OFDM 16QAM	1	1	19.25	19.31	19.13	21.00
	CP-OFDM 64QAM	1	1	18.19	18.04	18.00	19.50
	CP-OFDM 256QAM	1	1	14.94	14.76	14.71	16.50

Band				LTE Band2(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18607	18900	19185	Tune-up power(dBm)
1.4	QPSK	1	0	ANT4	Full Power	23.86	23.85	23.82	24.50
1.4	QPSK	1	2	ANT4	Full Power	23.78	23.89	23.81	24.50
1.4	QPSK	1	5	ANT4	Full Power	23.85	23.90	23.84	24.50
1.4	QPSK	3	0	ANT4	Full Power	23.95	23.87	23.84	24.50
1.4	QPSK	3	1	ANT4	Full Power	23.89	23.92	23.83	24.50
1.4	QPSK	3	3	ANT4	Full Power	23.82	23.90	23.83	24.50
1.4	QPSK	6	0	ANT4	Full Power	22.85	22.82	22.77	23.50
1.4	16QAM	1	0	ANT4	Full Power	22.81	22.80	22.91	23.50
1.4	16QAM	1	2	ANT4	Full Power	22.83	22.79	22.87	23.50
1.4	16QAM	1	5	ANT4	Full Power	22.86	22.88	22.82	23.50
1.4	16QAM	3	0	ANT4	Full Power	22.80	22.84	22.85	23.50
1.4	16QAM	3	1	ANT4	Full Power	22.89	22.85	22.83	23.50
1.4	16QAM	3	3	ANT4	Full Power	22.90	22.83	22.82	23.50
1.4	16QAM	6	0	ANT4	Full Power	21.82	21.89	21.76	22.50
1.4	64QAM	1	0	ANT4	Full Power	21.84	21.85	21.88	22.50
1.4	64QAM	1	2	ANT4	Full Power	21.79	21.80	21.90	22.50
1.4	64QAM	1	5	ANT4	Full Power	21.86	21.79	21.87	22.50
1.4	64QAM	3	0	ANT4	Full Power	21.81	21.85	21.90	22.50
1.4	64QAM	3	1	ANT4	Full Power	21.77	21.93	21.85	22.50
1.4	64QAM	3	3	ANT4	Full Power	21.89	21.80	21.90	22.50
1.4	64QAM	6	0	ANT4	Full Power	20.87	20.83	20.81	21.50
1.4	256QAM	1	0	ANT4	Full Power	18.83	18.82	18.91	19.50
1.4	256QAM	1	2	ANT4	Full Power	18.81	18.89	18.93	19.50
1.4	256QAM	1	5	ANT4	Full Power	18.82	18.89	18.88	19.50
1.4	256QAM	3	0	ANT4	Full Power	18.80	18.87	18.82	19.50
1.4	256QAM	3	1	ANT4	Full Power	18.80	18.87	18.85	19.50
1.4	256QAM	3	3	ANT4	Full Power	18.79	18.81	18.83	19.50
1.4	256QAM	6	0	ANT4	Full Power	18.92	18.85	18.85	19.50

Band				LTE Band2(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18615	18900	19175	Tune-up power(dBm)
3	QPSK	1	0	ANT4	Full Power	23.82	23.84	23.83	24.50
3	QPSK	1	7	ANT4	Full Power	23.89	23.77	23.79	24.50
3	QPSK	1	14	ANT4	Full Power	23.79	23.85	23.83	24.50
3	QPSK	8	0	ANT4	Full Power	22.79	22.84	22.86	23.50
3	QPSK	8	3	ANT4	Full Power	22.86	22.87	22.83	23.50
3	QPSK	8	7	ANT4	Full Power	22.84	22.82	22.78	23.50
3	QPSK	15	0	ANT4	Full Power	22.80	22.87	22.93	23.50
3	16QAM	1	0	ANT4	Full Power	22.75	22.86	22.79	23.50
3	16QAM	1	7	ANT4	Full Power	22.90	22.74	22.80	23.50
3	16QAM	1	14	ANT4	Full Power	22.87	22.88	22.83	23.50
3	16QAM	8	0	ANT4	Full Power	21.82	21.91	21.81	22.50
3	16QAM	8	3	ANT4	Full Power	21.74	21.86	21.98	22.50
3	16QAM	8	7	ANT4	Full Power	21.83	21.91	21.93	22.50
3	16QAM	15	0	ANT4	Full Power	21.86	21.76	21.94	22.50
3	64QAM	1	0	ANT4	Full Power	21.79	21.81	21.87	22.50
3	64QAM	1	7	ANT4	Full Power	21.83	21.86	21.85	22.50
3	64QAM	1	14	ANT4	Full Power	21.89	21.90	21.83	22.50
3	64QAM	8	0	ANT4	Full Power	20.84	20.83	20.90	21.50
3	64QAM	8	3	ANT4	Full Power	20.88	20.78	20.75	21.50
3	64QAM	8	7	ANT4	Full Power	20.89	20.79	20.93	21.50
3	64QAM	15	0	ANT4	Full Power	20.85	20.85	20.85	21.50
3	256QAM	1	0	ANT4	Full Power	18.84	18.83	18.79	19.50
3	256QAM	1	7	ANT4	Full Power	18.91	18.75	18.82	19.50
3	256QAM	1	14	ANT4	Full Power	18.87	18.85	18.82	19.50
3	256QAM	8	0	ANT4	Full Power	18.93	18.81	18.81	19.50
3	256QAM	8	3	ANT4	Full Power	18.81	18.91	18.90	19.50
3	256QAM	8	7	ANT4	Full Power	18.95	18.94	18.87	19.50
3	256QAM	15	0	ANT4	Full Power	18.83	19.02	18.92	19.50

Band				LTE Band2(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18625	18900	19175	Tune-up power(dBm)
5	QPSK	1	0	ANT4	Full Power	23.85	23.84	23.81	24.50
5	QPSK	1	12	ANT4	Full Power	23.82	23.85	23.83	24.50
5	QPSK	1	24	ANT4	Full Power	23.75	23.81	23.80	24.50
5	QPSK	12	0	ANT4	Full Power	22.87	22.76	22.86	23.50
5	QPSK	12	6	ANT4	Full Power	22.87	22.93	22.77	23.50
5	QPSK	12	13	ANT4	Full Power	22.80	22.77	22.78	23.50
5	QPSK	25	0	ANT4	Full Power	22.83	22.86	22.91	23.50
5	16QAM	1	0	ANT4	Full Power	22.82	22.88	22.82	23.50
5	16QAM	1	12	ANT4	Full Power	22.88	22.83	22.85	23.50
5	16QAM	1	24	ANT4	Full Power	22.87	22.87	22.86	23.50
5	16QAM	12	0	ANT4	Full Power	21.77	21.88	21.78	22.50
5	16QAM	12	6	ANT4	Full Power	21.73	21.83	21.94	22.50
5	16QAM	12	13	ANT4	Full Power	21.78	21.90	21.95	22.50
5	16QAM	25	0	ANT4	Full Power	21.85	21.80	21.90	22.50
5	64QAM	1	0	ANT4	Full Power	21.89	21.80	21.85	22.50
5	64QAM	1	12	ANT4	Full Power	21.91	21.85	21.85	22.50
5	64QAM	1	24	ANT4	Full Power	21.84	21.82	21.81	22.50
5	64QAM	12	0	ANT4	Full Power	20.81	20.75	20.93	21.50
5	64QAM	12	6	ANT4	Full Power	20.93	20.85	20.81	21.50
5	64QAM	12	13	ANT4	Full Power	20.90	20.79	20.93	21.50
5	64QAM	25	0	ANT4	Full Power	20.92	20.85	20.89	21.50
5	256QAM	1	0	ANT4	Full Power	18.81	18.90	18.82	19.50
5	256QAM	1	12	ANT4	Full Power	18.90	18.78	18.81	19.50
5	256QAM	1	24	ANT4	Full Power	18.91	18.82	18.80	19.50
5	256QAM	12	0	ANT4	Full Power	18.92	18.82	18.86	19.50
5	256QAM	12	6	ANT4	Full Power	18.76	18.92	18.84	19.50
5	256QAM	12	13	ANT4	Full Power	18.86	18.89	18.85	19.50
5	256QAM	25	0	ANT4	Full Power	18.79	18.99	18.84	19.50

Band				LTE Band2(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18650	18900	19150	Tune-up power(dBm)
10	QPSK	1	0	ANT4	Full Power	23.86	23.80	23.82	24.50
10	QPSK	1	24	ANT4	Full Power	23.89	23.79	23.87	24.50
10	QPSK	1	49	ANT4	Full Power	23.78	23.86	23.86	24.50
10	QPSK	25	0	ANT4	Full Power	22.79	22.77	22.87	23.50
10	QPSK	25	12	ANT4	Full Power	22.81	22.83	22.85	23.50
10	QPSK	25	25	ANT4	Full Power	22.86	22.82	22.81	23.50
10	QPSK	50	0	ANT4	Full Power	22.85	22.79	22.95	23.50
10	16QAM	1	0	ANT4	Full Power	22.79	22.84	22.82	23.50
10	16QAM	1	24	ANT4	Full Power	22.84	22.74	22.86	23.50
10	16QAM	1	49	ANT4	Full Power	22.94	22.84	22.81	23.50
10	16QAM	25	0	ANT4	Full Power	21.77	21.93	21.82	22.50
10	16QAM	25	12	ANT4	Full Power	21.76	21.81	21.96	22.50
10	16QAM	25	25	ANT4	Full Power	21.78	21.92	21.99	22.50
10	16QAM	50	0	ANT4	Full Power	21.85	21.83	21.85	22.50
10	64QAM	1	0	ANT4	Full Power	21.89	21.78	21.88	22.50
10	64QAM	1	24	ANT4	Full Power	21.89	21.85	21.85	22.50
10	64QAM	1	49	ANT4	Full Power	21.85	21.85	21.79	22.50
10	64QAM	25	0	ANT4	Full Power	20.80	20.84	20.91	21.50
10	64QAM	25	12	ANT4	Full Power	20.91	20.86	20.82	21.50
10	64QAM	25	25	ANT4	Full Power	20.82	20.74	20.90	21.50
10	64QAM	50	0	ANT4	Full Power	20.88	20.80	20.83	21.50
10	256QAM	1	0	ANT4	Full Power	18.90	18.80	18.80	19.50
10	256QAM	1	24	ANT4	Full Power	18.95	18.83	18.87	19.50
10	256QAM	1	49	ANT4	Full Power	18.83	18.84	18.77	19.50
10	256QAM	25	0	ANT4	Full Power	18.86	18.79	18.83	19.50
10	256QAM	25	12	ANT4	Full Power	18.84	18.85	18.87	19.50
10	256QAM	25	25	ANT4	Full Power	18.96	18.88	18.85	19.50
10	256QAM	50	0	ANT4	Full Power	18.80	18.99	18.90	19.50

Band				LTE Band2(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18675	18900	19125	Tune-up power(dBm)
15	QPSK	1	0	ANT4	Full Power	23.90	23.88	23.84	24.50
15	QPSK	1	37	ANT4	Full Power	23.88	23.83	23.85	24.50
15	QPSK	1	74	ANT4	Full Power	23.79	23.83	23.82	24.50
15	QPSK	36	0	ANT4	Full Power	22.86	22.77	22.88	23.50
15	QPSK	36	19	ANT4	Full Power	22.84	22.86	22.87	23.50
15	QPSK	36	39	ANT4	Full Power	22.77	22.78	22.76	23.50
15	QPSK	75	0	ANT4	Full Power	22.85	22.88	22.97	23.50
15	16QAM	1	0	ANT4	Full Power	22.77	22.87	22.74	23.50
15	16QAM	1	37	ANT4	Full Power	22.87	22.83	22.85	23.50
15	16QAM	1	74	ANT4	Full Power	22.89	22.86	22.82	23.50
15	16QAM	36	0	ANT4	Full Power	21.76	21.91	21.78	22.50
15	16QAM	36	19	ANT4	Full Power	21.73	21.81	21.90	22.50
15	16QAM	36	39	ANT4	Full Power	21.86	21.94	21.95	22.50
15	16QAM	75	0	ANT4	Full Power	21.83	21.82	21.88	22.50
15	64QAM	1	0	ANT4	Full Power	21.83	21.80	21.95	22.50
15	64QAM	1	37	ANT4	Full Power	21.85	21.82	21.90	22.50
15	64QAM	1	74	ANT4	Full Power	21.90	21.83	21.78	22.50
15	64QAM	36	0	ANT4	Full Power	20.88	20.75	20.89	21.50
15	64QAM	36	19	ANT4	Full Power	20.87	20.82	20.77	21.50
15	64QAM	36	39	ANT4	Full Power	20.88	20.79	20.86	21.50
15	64QAM	75	0	ANT4	Full Power	20.90	20.84	20.89	21.50
15	256QAM	1	0	ANT4	Full Power	18.84	18.80	18.85	19.50
15	256QAM	1	37	ANT4	Full Power	18.97	18.82	18.79	19.50
15	256QAM	1	74	ANT4	Full Power	18.89	18.79	18.81	19.50
15	256QAM	36	0	ANT4	Full Power	18.92	18.79	18.81	19.50
15	256QAM	36	19	ANT4	Full Power	18.83	18.84	18.82	19.50
15	256QAM	36	39	ANT4	Full Power	18.89	18.94	18.87	19.50
15	256QAM	75	0	ANT4	Full Power	18.79	18.99	18.86	19.50

Band				LTE Band2(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18700	18900	19100	Tune-up power(dBm)
20	QPSK	1	0	ANT4	Full Power	23.87	23.85	23.84	24.50
20	QPSK	1	49	ANT4	Full Power	23.87	23.80	23.83	24.50
20	QPSK	1	99	ANT4	Full Power	23.79	23.83	23.82	24.50
20	QPSK	50	0	ANT4	Full Power	22.84	22.80	22.85	23.50
20	QPSK	50	25	ANT4	Full Power	22.82	22.88	22.82	23.50
20	QPSK	50	50	ANT4	Full Power	22.81	22.81	22.81	23.50
20	QPSK	100	0	ANT4	Full Power	22.83	22.83	22.93	23.50
20	16QAM	1	0	ANT4	Full Power	22.79	22.86	22.78	23.50
20	16QAM	1	49	ANT4	Full Power	22.88	22.78	22.85	23.50
20	16QAM	1	99	ANT4	Full Power	22.89	22.87	22.86	23.50
20	16QAM	50	0	ANT4	Full Power	21.81	21.91	21.82	22.50
20	16QAM	50	25	ANT4	Full Power	21.76	21.83	21.94	22.50
20	16QAM	50	50	ANT4	Full Power	21.82	21.89	21.95	22.50
20	16QAM	100	0	ANT4	Full Power	21.82	21.81	21.90	22.50
20	64QAM	1	0	ANT4	Full Power	21.84	21.78	21.90	22.50
20	64QAM	1	49	ANT4	Full Power	21.87	21.85	21.87	22.50
20	64QAM	1	99	ANT4	Full Power	21.87	21.85	21.82	22.50
20	64QAM	50	0	ANT4	Full Power	20.85	20.80	20.88	21.50
20	64QAM	50	25	ANT4	Full Power	20.92	20.81	20.80	21.50
20	64QAM	50	50	ANT4	Full Power	20.85	20.78	20.90	21.50
20	64QAM	100	0	ANT4	Full Power	20.88	20.83	20.85	21.50
20	256QAM	1	0	ANT4	Full Power	18.86	18.85	18.81	19.50
20	256QAM	1	49	ANT4	Full Power	18.92	18.78	18.82	19.50
20	256QAM	1	99	ANT4	Full Power	18.88	18.83	18.77	19.50
20	256QAM	50	0	ANT4	Full Power	18.90	18.80	18.86	19.50
20	256QAM	50	25	ANT4	Full Power	18.79	18.88	18.85	19.50
20	256QAM	50	50	ANT4	Full Power	18.91	18.90	18.82	19.50
20	256QAM	100	0	ANT4	Full Power	18.83	18.97	18.87	19.50

Band				LTE Band2(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18607	18900	19185	Tune-up power(dBm)
1.4	QPSK	1	0	ANT4	DSI1&2	21.50	21.42	21.45	22.00
1.4	QPSK	1	2	ANT4	DSI1&2	21.46	21.35	21.36	22.00
1.4	QPSK	1	5	ANT4	DSI1&2	21.37	21.36	21.35	22.00
1.4	QPSK	3	0	ANT4	DSI1&2	21.45	21.40	21.45	22.00
1.4	QPSK	3	1	ANT4	DSI1&2	21.39	21.50	21.39	22.00
1.4	QPSK	3	3	ANT4	DSI1&2	21.45	21.42	21.48	22.00
1.4	QPSK	6	0	ANT4	DSI1&2	21.39	21.48	21.39	22.00
1.4	16QAM	1	0	ANT4	DSI1&2	21.36	21.50	21.50	22.00
1.4	16QAM	1	2	ANT4	DSI1&2	21.49	21.46	21.49	22.00
1.4	16QAM	1	5	ANT4	DSI1&2	21.41	21.46	21.48	22.00
1.4	16QAM	3	0	ANT4	DSI1&2	21.46	21.41	21.49	22.00
1.4	16QAM	3	1	ANT4	DSI1&2	21.37	21.38	21.44	22.00
1.4	16QAM	3	3	ANT4	DSI1&2	21.47	21.39	21.35	22.00
1.4	16QAM	6	0	ANT4	DSI1&2	21.45	21.39	21.49	22.00
1.4	64QAM	1	0	ANT4	DSI1&2	21.40	21.47	21.46	22.00
1.4	64QAM	1	2	ANT4	DSI1&2	21.43	21.40	21.42	22.00
1.4	64QAM	1	5	ANT4	DSI1&2	21.40	21.39	21.45	22.00
1.4	64QAM	3	0	ANT4	DSI1&2	21.40	21.39	21.50	22.00
1.4	64QAM	3	1	ANT4	DSI1&2	21.40	21.49	21.38	22.00
1.4	64QAM	3	3	ANT4	DSI1&2	21.45	21.44	21.50	22.00
1.4	64QAM	6	0	ANT4	DSI1&2	20.93	20.87	20.96	21.50
1.4	256QAM	1	0	ANT4	DSI1&2	18.99	18.88	18.95	19.50
1.4	256QAM	1	2	ANT4	DSI1&2	18.94	18.90	18.87	19.50
1.4	256QAM	1	5	ANT4	DSI1&2	18.99	18.93	18.96	19.50
1.4	256QAM	3	0	ANT4	DSI1&2	19.00	18.92	18.95	19.50
1.4	256QAM	3	1	ANT4	DSI1&2	18.90	18.88	18.87	19.50
1.4	256QAM	3	3	ANT4	DSI1&2	18.98	18.95	18.98	19.50
1.4	256QAM	6	0	ANT4	DSI1&2	19.00	18.98	18.96	19.50

Band				LTE Band2(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18615	18900	19175	Tune-up power(dBm)
3	QPSK	1	0	ANT4	DSI1&2	21.38	21.48	21.43	22.00
3	QPSK	1	7	ANT4	DSI1&2	21.39	21.38	21.47	22.00
3	QPSK	1	14	ANT4	DSI1&2	21.48	21.44	21.49	22.00
3	QPSK	8	0	ANT4	DSI1&2	21.37	21.50	21.40	22.00
3	QPSK	8	3	ANT4	DSI1&2	21.42	21.37	21.44	22.00
3	QPSK	8	7	ANT4	DSI1&2	21.39	21.42	21.41	22.00
3	QPSK	15	0	ANT4	DSI1&2	21.50	21.35	21.44	22.00
3	16QAM	1	0	ANT4	DSI1&2	21.45	21.47	21.39	22.00
3	16QAM	1	7	ANT4	DSI1&2	21.50	21.43	21.48	22.00
3	16QAM	1	14	ANT4	DSI1&2	21.50	21.40	21.46	22.00
3	16QAM	8	0	ANT4	DSI1&2	21.50	21.36	21.46	22.00
3	16QAM	8	3	ANT4	DSI1&2	21.45	21.44	21.38	22.00
3	16QAM	8	7	ANT4	DSI1&2	21.43	21.36	21.47	22.00
3	16QAM	15	0	ANT4	DSI1&2	21.42	21.38	21.38	22.00
3	64QAM	1	0	ANT4	DSI1&2	21.48	21.44	21.48	22.00
3	64QAM	1	7	ANT4	DSI1&2	21.43	21.39	21.45	22.00
3	64QAM	1	14	ANT4	DSI1&2	21.41	21.44	21.39	22.00
3	64QAM	8	0	ANT4	DSI1&2	20.94	20.93	20.85	21.50
3	64QAM	8	3	ANT4	DSI1&2	20.92	20.97	20.99	21.50
3	64QAM	8	7	ANT4	DSI1&2	20.93	20.90	20.95	21.50
3	64QAM	15	0	ANT4	DSI1&2	20.89	20.94	20.93	21.50
3	256QAM	1	0	ANT4	DSI1&2	19.00	18.95	18.99	19.50
3	256QAM	1	7	ANT4	DSI1&2	18.87	18.88	18.96	19.50
3	256QAM	1	14	ANT4	DSI1&2	18.87	18.95	18.99	19.50
3	256QAM	8	0	ANT4	DSI1&2	18.87	18.95	18.87	19.50
3	256QAM	8	3	ANT4	DSI1&2	18.96	18.94	18.97	19.50
3	256QAM	8	7	ANT4	DSI1&2	18.96	18.99	18.92	19.50
3	256QAM	15	0	ANT4	DSI1&2	18.98	18.91	18.91	19.50

Band				LTE Band2(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18625	18900	19175	Tune-up power(dBm)
5	QPSK	1	0	ANT4	DSI1&2	21.50	21.39	21.43	22.00
5	QPSK	1	12	ANT4	DSI1&2	21.46	21.43	21.35	22.00
5	QPSK	1	24	ANT4	DSI1&2	21.39	21.48	21.37	22.00
5	QPSK	12	0	ANT4	DSI1&2	21.40	21.50	21.48	22.00
5	QPSK	12	6	ANT4	DSI1&2	21.49	21.43	21.48	22.00
5	QPSK	12	13	ANT4	DSI1&2	21.49	21.35	21.41	22.00
5	QPSK	25	0	ANT4	DSI1&2	21.36	21.46	21.38	22.00
5	16QAM	1	0	ANT4	DSI1&2	21.36	21.37	21.45	22.00
5	16QAM	1	12	ANT4	DSI1&2	21.37	21.41	21.41	22.00
5	16QAM	1	24	ANT4	DSI1&2	21.37	21.38	21.48	22.00
5	16QAM	12	0	ANT4	DSI1&2	21.37	21.37	21.49	22.00
5	16QAM	12	6	ANT4	DSI1&2	21.43	21.41	21.37	22.00
5	16QAM	12	13	ANT4	DSI1&2	21.36	21.37	21.47	22.00
5	16QAM	25	0	ANT4	DSI1&2	21.46	21.39	21.35	22.00
5	64QAM	1	0	ANT4	DSI1&2	21.50	21.46	21.39	22.00
5	64QAM	1	12	ANT4	DSI1&2	21.38	21.35	21.48	22.00
5	64QAM	1	24	ANT4	DSI1&2	21.41	21.45	21.36	22.00
5	64QAM	12	0	ANT4	DSI1&2	20.95	20.92	20.89	21.50
5	64QAM	12	6	ANT4	DSI1&2	20.97	20.96	20.99	21.50
5	64QAM	12	13	ANT4	DSI1&2	20.95	20.99	20.96	21.50
5	64QAM	25	0	ANT4	DSI1&2	20.94	20.96	20.94	21.50
5	256QAM	1	0	ANT4	DSI1&2	18.95	18.85	18.87	19.50
5	256QAM	1	12	ANT4	DSI1&2	18.97	18.98	18.87	19.50
5	256QAM	1	24	ANT4	DSI1&2	18.91	18.85	18.85	19.50
5	256QAM	12	0	ANT4	DSI1&2	18.92	18.93	18.89	19.50
5	256QAM	12	6	ANT4	DSI1&2	18.97	18.89	18.90	19.50
5	256QAM	12	13	ANT4	DSI1&2	18.97	18.98	19.00	19.50
5	256QAM	25	0	ANT4	DSI1&2	18.90	18.99	18.90	19.50

Band				LTE Band2(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18650	18900	19150	Tune-up power(dBm)
10	QPSK	1	0	ANT4	DSI1&2	21.37	21.40	21.40	22.00
10	QPSK	1	24	ANT4	DSI1&2	21.50	21.38	21.43	22.00
10	QPSK	1	49	ANT4	DSI1&2	21.44	21.50	21.43	22.00
10	QPSK	25	0	ANT4	DSI1&2	21.46	21.50	21.50	22.00
10	QPSK	25	12	ANT4	DSI1&2	21.40	21.42	21.47	22.00
10	QPSK	25	25	ANT4	DSI1&2	21.37	21.45	21.41	22.00
10	QPSK	50	0	ANT4	DSI1&2	21.43	21.37	21.41	22.00
10	16QAM	1	0	ANT4	DSI1&2	21.40	21.39	21.38	22.00
10	16QAM	1	24	ANT4	DSI1&2	21.45	21.43	21.38	22.00
10	16QAM	1	49	ANT4	DSI1&2	21.39	21.37	21.48	22.00
10	16QAM	25	0	ANT4	DSI1&2	21.44	21.35	21.39	22.00
10	16QAM	25	12	ANT4	DSI1&2	21.43	21.49	21.38	22.00
10	16QAM	25	25	ANT4	DSI1&2	21.45	21.35	21.37	22.00
10	16QAM	50	0	ANT4	DSI1&2	21.41	21.40	21.49	22.00
10	64QAM	1	0	ANT4	DSI1&2	21.35	21.40	21.40	22.00
10	64QAM	1	24	ANT4	DSI1&2	21.38	21.38	21.47	22.00
10	64QAM	1	49	ANT4	DSI1&2	21.44	21.43	21.50	22.00
10	64QAM	25	0	ANT4	DSI1&2	20.96	20.98	20.86	21.50
10	64QAM	25	12	ANT4	DSI1&2	20.92	20.86	20.97	21.50
10	64QAM	25	25	ANT4	DSI1&2	20.95	20.92	20.87	21.50
10	64QAM	50	0	ANT4	DSI1&2	20.95	20.96	20.92	21.50
10	256QAM	1	0	ANT4	DSI1&2	18.89	18.90	18.93	19.50
10	256QAM	1	24	ANT4	DSI1&2	18.89	18.97	18.94	19.50
10	256QAM	1	49	ANT4	DSI1&2	18.87	18.94	18.98	19.50
10	256QAM	25	0	ANT4	DSI1&2	18.91	18.86	18.87	19.50
10	256QAM	25	12	ANT4	DSI1&2	18.96	18.89	18.91	19.50
10	256QAM	25	25	ANT4	DSI1&2	18.98	18.94	18.94	19.50
10	256QAM	50	0	ANT4	DSI1&2	18.96	18.89	18.87	19.50

Band				LTE Band2(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18675	18900	19125	Tune-up power(dBm)
15	QPSK	1	0	ANT4	DSI1&2	21.40	21.41	21.42	22.00
15	QPSK	1	37	ANT4	DSI1&2	21.48	21.41	21.35	22.00
15	QPSK	1	74	ANT4	DSI1&2	21.37	21.35	21.38	22.00
15	QPSK	36	0	ANT4	DSI1&2	21.46	21.50	21.36	22.00
15	QPSK	36	19	ANT4	DSI1&2	21.35	21.48	21.49	22.00
15	QPSK	36	39	ANT4	DSI1&2	21.49	21.47	21.45	22.00
15	QPSK	75	0	ANT4	DSI1&2	21.43	21.50	21.41	22.00
15	16QAM	1	0	ANT4	DSI1&2	21.44	21.39	21.36	22.00
15	16QAM	1	37	ANT4	DSI1&2	21.45	21.41	21.47	22.00
15	16QAM	1	74	ANT4	DSI1&2	21.42	21.38	21.50	22.00
15	16QAM	36	0	ANT4	DSI1&2	21.45	21.49	21.49	22.00
15	16QAM	36	19	ANT4	DSI1&2	21.36	21.36	21.49	22.00
15	16QAM	36	39	ANT4	DSI1&2	21.44	21.40	21.50	22.00
15	16QAM	75	0	ANT4	DSI1&2	21.35	21.42	21.47	22.00
15	64QAM	1	0	ANT4	DSI1&2	21.39	21.48	21.37	22.00
15	64QAM	1	37	ANT4	DSI1&2	21.35	21.38	21.50	22.00
15	64QAM	1	74	ANT4	DSI1&2	21.40	21.48	21.44	22.00
15	64QAM	36	0	ANT4	DSI1&2	20.90	20.87	20.90	21.50
15	64QAM	36	19	ANT4	DSI1&2	20.90	20.88	20.98	21.50
15	64QAM	36	39	ANT4	DSI1&2	20.98	21.00	20.88	21.50
15	64QAM	75	0	ANT4	DSI1&2	20.92	20.87	20.98	21.50
15	256QAM	1	0	ANT4	DSI1&2	18.92	18.97	18.89	19.50
15	256QAM	1	37	ANT4	DSI1&2	18.88	18.91	18.94	19.50
15	256QAM	1	74	ANT4	DSI1&2	18.98	18.91	18.92	19.50
15	256QAM	36	0	ANT4	DSI1&2	18.85	18.90	18.93	19.50
15	256QAM	36	19	ANT4	DSI1&2	18.87	18.94	18.98	19.50
15	256QAM	36	39	ANT4	DSI1&2	18.85	18.98	18.94	19.50
15	256QAM	75	0	ANT4	DSI1&2	18.92	18.97	18.92	19.50

Band				LTE Band2(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18700	18900	19100	Tune-up power(dBm)
20	QPSK	1	0	ANT4	DSI1&2	21.37	21.37	21.43	22.00
20	QPSK	1	49	ANT4	DSI1&2	21.38	21.39	21.37	22.00
20	QPSK	1	99	ANT4	DSI1&2	21.45	21.47	21.41	22.00
20	QPSK	50	0	ANT4	DSI1&2	21.35	21.37	21.35	22.00
20	QPSK	50	25	ANT4	DSI1&2	21.49	21.36	21.35	22.00
20	QPSK	50	50	ANT4	DSI1&2	21.44	21.46	21.35	22.00
20	QPSK	100	0	ANT4	DSI1&2	21.39	21.49	21.38	22.00
20	16QAM	1	0	ANT4	DSI1&2	21.39	21.42	21.41	22.00
20	16QAM	1	49	ANT4	DSI1&2	21.38	21.44	21.45	22.00
20	16QAM	1	99	ANT4	DSI1&2	21.38	21.47	21.49	22.00
20	16QAM	50	0	ANT4	DSI1&2	21.40	21.47	21.41	22.00
20	16QAM	50	25	ANT4	DSI1&2	21.48	21.47	21.49	22.00
20	16QAM	50	50	ANT4	DSI1&2	21.42	21.49	21.44	22.00
20	16QAM	100	0	ANT4	DSI1&2	21.40	21.37	21.36	22.00
20	64QAM	1	0	ANT4	DSI1&2	21.47	21.38	21.38	22.00
20	64QAM	1	49	ANT4	DSI1&2	21.43	21.49	21.50	22.00
20	64QAM	1	99	ANT4	DSI1&2	21.45	21.50	21.40	22.00
20	64QAM	50	0	ANT4	DSI1&2	20.93	20.97	20.92	21.50
20	64QAM	50	25	ANT4	DSI1&2	20.87	20.97	20.95	21.50
20	64QAM	50	50	ANT4	DSI1&2	20.90	20.88	20.97	21.50
20	64QAM	100	0	ANT4	DSI1&2	20.92	20.92	20.89	21.50
20	256QAM	1	0	ANT4	DSI1&2	18.93	18.94	18.92	19.50
20	256QAM	1	49	ANT4	DSI1&2	18.87	18.85	18.96	19.50
20	256QAM	1	99	ANT4	DSI1&2	19.00	18.90	18.88	19.50
20	256QAM	50	0	ANT4	DSI1&2	18.98	18.86	18.89	19.50
20	256QAM	50	25	ANT4	DSI1&2	18.89	18.88	19.00	19.50
20	256QAM	50	50	ANT4	DSI1&2	18.95	18.85	18.94	19.50
20	256QAM	100	0	ANT4	DSI1&2	18.94	18.94	18.93	19.50

Band				LTE Band2(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18607	18900	19185	Tune-up power(dBm)
1.4	QPSK	1	0	ANT4	DSI3	17.91	18.04	17.96	19.00
1.4	QPSK	1	2	ANT4	DSI3	17.93	17.99	18.05	19.00
1.4	QPSK	1	5	ANT4	DSI3	18.04	17.93	17.94	19.00
1.4	QPSK	3	0	ANT4	DSI3	18.06	17.98	18.03	19.00
1.4	QPSK	3	1	ANT4	DSI3	18.04	17.96	18.01	19.00
1.4	QPSK	3	3	ANT4	DSI3	18.07	17.94	17.92	19.00
1.4	QPSK	6	0	ANT4	DSI3	18.10	17.94	17.94	19.00
1.4	16QAM	1	0	ANT4	DSI3	17.99	17.97	18.10	19.00
1.4	16QAM	1	2	ANT4	DSI3	18.00	18.01	18.04	19.00
1.4	16QAM	1	5	ANT4	DSI3	18.07	17.94	18.05	19.00
1.4	16QAM	3	0	ANT4	DSI3	17.91	18.05	17.90	19.00
1.4	16QAM	3	1	ANT4	DSI3	18.06	17.95	17.99	19.00
1.4	16QAM	3	3	ANT4	DSI3	17.97	18.00	18.07	19.00
1.4	16QAM	6	0	ANT4	DSI3	18.03	18.03	17.93	19.00
1.4	64QAM	1	0	ANT4	DSI3	17.93	17.99	17.95	19.00
1.4	64QAM	1	2	ANT4	DSI3	18.08	18.07	17.92	19.00
1.4	64QAM	1	5	ANT4	DSI3	18.01	17.93	18.06	19.00
1.4	64QAM	3	0	ANT4	DSI3	17.93	18.02	18.03	19.00
1.4	64QAM	3	1	ANT4	DSI3	18.09	17.93	17.91	19.00
1.4	64QAM	3	3	ANT4	DSI3	17.90	18.00	17.90	19.00
1.4	64QAM	6	0	ANT4	DSI3	17.92	18.00	17.96	19.00
1.4	256QAM	1	0	ANT4	DSI3	17.91	17.91	18.02	19.00
1.4	256QAM	1	2	ANT4	DSI3	18.00	17.91	18.06	19.00
1.4	256QAM	1	5	ANT4	DSI3	18.02	17.99	17.92	19.00
1.4	256QAM	3	0	ANT4	DSI3	18.07	18.10	17.93	19.00
1.4	256QAM	3	1	ANT4	DSI3	17.96	18.08	17.90	19.00
1.4	256QAM	3	3	ANT4	DSI3	18.04	18.07	18.04	19.00
1.4	256QAM	6	0	ANT4	DSI3	18.06	17.98	18.00	19.00

Band				LTE Band2(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18615	18900	19175	Tune-up power(dBm)
3	QPSK	1	0	ANT4	DSI3	18.02	17.90	18.04	19.00
3	QPSK	1	7	ANT4	DSI3	17.91	18.08	17.98	19.00
3	QPSK	1	14	ANT4	DSI3	18.10	18.04	17.97	19.00
3	QPSK	8	0	ANT4	DSI3	17.99	17.97	18.10	19.00
3	QPSK	8	3	ANT4	DSI3	17.91	17.94	17.93	19.00
3	QPSK	8	7	ANT4	DSI3	17.94	17.95	18.05	19.00
3	QPSK	15	0	ANT4	DSI3	17.99	17.94	18.09	19.00
3	16QAM	1	0	ANT4	DSI3	18.09	17.95	17.98	19.00
3	16QAM	1	7	ANT4	DSI3	17.90	17.97	17.99	19.00
3	16QAM	1	14	ANT4	DSI3	18.03	17.93	17.95	19.00
3	16QAM	8	0	ANT4	DSI3	18.00	18.01	17.91	19.00
3	16QAM	8	3	ANT4	DSI3	18.06	18.10	17.99	19.00
3	16QAM	8	7	ANT4	DSI3	18.05	18.07	18.06	19.00
3	16QAM	15	0	ANT4	DSI3	17.99	18.02	17.98	19.00
3	64QAM	1	0	ANT4	DSI3	17.90	18.01	18.01	19.00
3	64QAM	1	7	ANT4	DSI3	18.01	17.93	18.00	19.00
3	64QAM	1	14	ANT4	DSI3	17.90	18.01	18.07	19.00
3	64QAM	8	0	ANT4	DSI3	18.10	18.02	18.06	19.00
3	64QAM	8	3	ANT4	DSI3	18.02	18.02	18.07	19.00
3	64QAM	8	7	ANT4	DSI3	17.94	18.10	18.05	19.00
3	64QAM	15	0	ANT4	DSI3	17.95	17.95	18.05	19.00
3	256QAM	1	0	ANT4	DSI3	17.99	18.04	17.95	19.00
3	256QAM	1	7	ANT4	DSI3	17.90	17.90	18.07	19.00
3	256QAM	1	14	ANT4	DSI3	17.93	18.09	18.02	19.00
3	256QAM	8	0	ANT4	DSI3	17.96	18.10	17.90	19.00
3	256QAM	8	3	ANT4	DSI3	17.98	18.09	18.10	19.00
3	256QAM	8	7	ANT4	DSI3	18.04	18.10	17.90	19.00
3	256QAM	15	0	ANT4	DSI3	17.92	17.92	18.00	19.00

Band				LTE Band2(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18625	18900	19175	Tune-up power(dBm)
5	QPSK	1	0	ANT4	DSI3	18.00	18.06	17.97	19.00
5	QPSK	1	12	ANT4	DSI3	18.02	18.09	17.99	19.00
5	QPSK	1	24	ANT4	DSI3	17.96	17.92	17.92	19.00
5	QPSK	12	0	ANT4	DSI3	17.90	17.90	18.06	19.00
5	QPSK	12	6	ANT4	DSI3	17.93	18.06	18.10	19.00
5	QPSK	12	13	ANT4	DSI3	17.95	17.90	18.04	19.00
5	QPSK	25	0	ANT4	DSI3	18.10	17.92	18.06	19.00
5	16QAM	1	0	ANT4	DSI3	17.93	17.90	17.98	19.00
5	16QAM	1	12	ANT4	DSI3	18.01	18.08	18.01	19.00
5	16QAM	1	24	ANT4	DSI3	18.05	18.01	17.99	19.00
5	16QAM	12	0	ANT4	DSI3	18.10	17.95	18.06	19.00
5	16QAM	12	6	ANT4	DSI3	17.99	17.92	18.07	19.00
5	16QAM	12	13	ANT4	DSI3	17.99	18.08	17.98	19.00
5	16QAM	25	0	ANT4	DSI3	18.08	18.09	17.99	19.00
5	64QAM	1	0	ANT4	DSI3	17.98	17.94	18.00	19.00
5	64QAM	1	12	ANT4	DSI3	18.07	17.95	18.06	19.00
5	64QAM	1	24	ANT4	DSI3	18.01	18.09	17.97	19.00
5	64QAM	12	0	ANT4	DSI3	17.91	17.91	18.10	19.00
5	64QAM	12	6	ANT4	DSI3	17.90	18.05	18.10	19.00
5	64QAM	12	13	ANT4	DSI3	17.96	18.03	18.02	19.00
5	64QAM	25	0	ANT4	DSI3	18.03	18.08	18.01	19.00
5	256QAM	1	0	ANT4	DSI3	17.97	17.94	17.91	19.00
5	256QAM	1	12	ANT4	DSI3	18.02	17.91	17.96	19.00
5	256QAM	1	24	ANT4	DSI3	18.09	18.01	18.06	19.00
5	256QAM	12	0	ANT4	DSI3	17.93	18.03	17.99	19.00
5	256QAM	12	6	ANT4	DSI3	17.98	18.00	17.93	19.00
5	256QAM	12	13	ANT4	DSI3	17.93	18.08	17.99	19.00
5	256QAM	25	0	ANT4	DSI3	17.93	17.96	18.08	19.00

Band				LTE Band2(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18650	18900	19150	Tune-up power(dBm)
10	QPSK	1	0	ANT4	DSI3	17.93	18.02	17.90	19.00
10	QPSK	1	24	ANT4	DSI3	17.98	18.01	18.09	19.00
10	QPSK	1	49	ANT4	DSI3	17.91	17.90	17.92	19.00
10	QPSK	25	0	ANT4	DSI3	18.07	17.92	17.93	19.00
10	QPSK	25	12	ANT4	DSI3	17.96	17.96	18.04	19.00
10	QPSK	25	25	ANT4	DSI3	17.94	17.99	17.93	19.00
10	QPSK	50	0	ANT4	DSI3	18.08	18.04	17.96	19.00
10	16QAM	1	0	ANT4	DSI3	17.99	18.04	18.01	19.00
10	16QAM	1	24	ANT4	DSI3	18.04	17.99	17.91	19.00
10	16QAM	1	49	ANT4	DSI3	18.00	17.91	17.93	19.00
10	16QAM	25	0	ANT4	DSI3	18.07	18.05	18.09	19.00
10	16QAM	25	12	ANT4	DSI3	17.92	18.02	18.05	19.00
10	16QAM	25	25	ANT4	DSI3	18.10	17.98	18.00	19.00
10	16QAM	50	0	ANT4	DSI3	18.10	18.10	17.93	19.00
10	64QAM	1	0	ANT4	DSI3	18.03	17.92	18.02	19.00
10	64QAM	1	24	ANT4	DSI3	18.07	17.96	18.05	19.00
10	64QAM	1	49	ANT4	DSI3	18.09	17.97	17.99	19.00
10	64QAM	25	0	ANT4	DSI3	18.10	17.98	17.97	19.00
10	64QAM	25	12	ANT4	DSI3	17.95	18.10	18.01	19.00
10	64QAM	25	25	ANT4	DSI3	17.95	17.98	17.98	19.00
10	64QAM	50	0	ANT4	DSI3	17.94	17.95	18.00	19.00
10	256QAM	1	0	ANT4	DSI3	18.02	18.01	18.05	19.00
10	256QAM	1	24	ANT4	DSI3	17.90	17.94	17.92	19.00
10	256QAM	1	49	ANT4	DSI3	18.02	17.91	17.90	19.00
10	256QAM	25	0	ANT4	DSI3	18.02	18.03	18.00	19.00
10	256QAM	25	12	ANT4	DSI3	17.98	17.93	17.99	19.00
10	256QAM	25	25	ANT4	DSI3	18.00	17.92	18.10	19.00
10	256QAM	50	0	ANT4	DSI3	17.97	17.97	18.00	19.00

Band				LTE Band2(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18675	18900	19125	Tune-up power(dBm)
15	QPSK	1	0	ANT4	DSI3	18.04	17.91	17.91	19.00
15	QPSK	1	37	ANT4	DSI3	18.09	17.98	17.99	19.00
15	QPSK	1	74	ANT4	DSI3	17.98	18.05	18.08	19.00
15	QPSK	36	0	ANT4	DSI3	18.10	18.08	17.96	19.00
15	QPSK	36	19	ANT4	DSI3	17.91	18.08	17.96	19.00
15	QPSK	36	39	ANT4	DSI3	18.05	18.02	18.00	19.00
15	QPSK	75	0	ANT4	DSI3	17.90	18.10	17.97	19.00
15	16QAM	1	0	ANT4	DSI3	17.99	17.95	18.06	19.00
15	16QAM	1	37	ANT4	DSI3	17.99	17.98	17.97	19.00
15	16QAM	1	74	ANT4	DSI3	17.96	17.92	18.08	19.00
15	16QAM	36	0	ANT4	DSI3	18.01	18.06	17.94	19.00
15	16QAM	36	19	ANT4	DSI3	17.91	17.93	18.00	19.00
15	16QAM	36	39	ANT4	DSI3	17.99	17.91	17.97	19.00
15	16QAM	75	0	ANT4	DSI3	17.94	18.01	18.07	19.00
15	64QAM	1	0	ANT4	DSI3	18.01	17.92	18.03	19.00
15	64QAM	1	37	ANT4	DSI3	18.06	17.95	18.02	19.00
15	64QAM	1	74	ANT4	DSI3	17.90	18.00	17.93	19.00
15	64QAM	36	0	ANT4	DSI3	17.95	18.10	17.97	19.00
15	64QAM	36	19	ANT4	DSI3	18.03	17.96	17.98	19.00
15	64QAM	36	39	ANT4	DSI3	18.06	17.95	17.95	19.00
15	64QAM	75	0	ANT4	DSI3	18.06	18.03	17.95	19.00
15	256QAM	1	0	ANT4	DSI3	17.90	18.10	18.10	19.00
15	256QAM	1	37	ANT4	DSI3	18.02	17.95	17.98	19.00
15	256QAM	1	74	ANT4	DSI3	18.06	17.93	17.92	19.00
15	256QAM	36	0	ANT4	DSI3	18.06	17.92	18.03	19.00
15	256QAM	36	19	ANT4	DSI3	17.92	18.05	18.07	19.00
15	256QAM	36	39	ANT4	DSI3	18.09	17.98	18.10	19.00
15	256QAM	75	0	ANT4	DSI3	18.03	18.01	17.99	19.00

Band				LTE Band2(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18700	18900	19100	Tune-up power(dBm)
20	QPSK	1	0	ANT4	DSI3	17.99	18.08	18.01	19.00
20	QPSK	1	49	ANT4	DSI3	18.13	17.98	17.93	19.00
20	QPSK	1	99	ANT4	DSI3	18.10	18.10	18.10	19.00
20	QPSK	50	0	ANT4	DSI3	18.11	18.01	17.92	19.00
20	QPSK	50	25	ANT4	DSI3	17.97	17.98	17.97	19.00
20	QPSK	50	50	ANT4	DSI3	17.99	18.10	18.03	19.00
20	QPSK	100	0	ANT4	DSI3	17.90	18.04	18.06	19.00
20	16QAM	1	0	ANT4	DSI3	17.99	18.03	17.97	19.00
20	16QAM	1	49	ANT4	DSI3	17.90	17.92	18.07	19.00
20	16QAM	1	99	ANT4	DSI3	17.91	17.95	17.93	19.00
20	16QAM	50	0	ANT4	DSI3	17.99	17.90	18.01	19.00
20	16QAM	50	25	ANT4	DSI3	17.97	18.10	18.10	19.00
20	16QAM	50	50	ANT4	DSI3	18.09	18.04	18.05	19.00
20	16QAM	100	0	ANT4	DSI3	17.90	17.99	18.08	19.00
20	64QAM	1	0	ANT4	DSI3	17.92	17.90	17.96	19.00
20	64QAM	1	49	ANT4	DSI3	17.93	18.05	18.10	19.00
20	64QAM	1	99	ANT4	DSI3	17.92	18.04	18.00	19.00
20	64QAM	50	0	ANT4	DSI3	18.02	18.00	18.03	19.00
20	64QAM	50	25	ANT4	DSI3	18.04	18.05	17.97	19.00
20	64QAM	50	50	ANT4	DSI3	18.06	18.06	18.05	19.00
20	64QAM	100	0	ANT4	DSI3	17.99	17.98	18.02	19.00
20	256QAM	1	0	ANT4	DSI3	18.03	17.94	18.03	19.00
20	256QAM	1	49	ANT4	DSI3	18.02	18.03	17.92	19.00
20	256QAM	1	99	ANT4	DSI3	17.96	17.96	17.92	19.00
20	256QAM	50	0	ANT4	DSI3	17.95	18.09	17.99	19.00
20	256QAM	50	25	ANT4	DSI3	18.02	17.94	18.03	19.00
20	256QAM	50	50	ANT4	DSI3	17.99	17.91	17.90	19.00
20	256QAM	100	0	ANT4	DSI3	18.05	17.98	17.93	19.00

Band				LTE Band2(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18607	18900	19185	Tune-up power(dBm)
1.4	QPSK	1	0	ANT4	DSI4	17.95	17.92	17.96	18.50
1.4	QPSK	1	2	ANT4	DSI4	17.84	17.84	17.86	18.50
1.4	QPSK	1	5	ANT4	DSI4	17.80	17.90	17.80	18.50
1.4	QPSK	3	0	ANT4	DSI4	17.99	17.93	17.98	18.50
1.4	QPSK	3	1	ANT4	DSI4	17.96	17.87	17.91	18.50
1.4	QPSK	3	3	ANT4	DSI4	17.95	17.99	17.98	18.50
1.4	QPSK	6	0	ANT4	DSI4	17.86	17.85	17.86	18.50
1.4	16QAM	1	0	ANT4	DSI4	17.99	17.89	17.96	18.50
1.4	16QAM	1	2	ANT4	DSI4	17.90	17.96	17.81	18.50
1.4	16QAM	1	5	ANT4	DSI4	17.96	17.94	17.86	18.50
1.4	16QAM	3	0	ANT4	DSI4	17.95	17.85	17.88	18.50
1.4	16QAM	3	1	ANT4	DSI4	17.98	17.97	17.90	18.50
1.4	16QAM	3	3	ANT4	DSI4	17.81	17.99	17.81	18.50
1.4	16QAM	6	0	ANT4	DSI4	17.86	17.98	17.94	18.50
1.4	64QAM	1	0	ANT4	DSI4	17.81	17.84	17.97	18.50
1.4	64QAM	1	2	ANT4	DSI4	17.96	17.90	17.96	18.50
1.4	64QAM	1	5	ANT4	DSI4	17.98	17.90	17.89	18.50
1.4	64QAM	3	0	ANT4	DSI4	17.83	18.00	17.84	18.50
1.4	64QAM	3	1	ANT4	DSI4	17.90	17.88	17.82	18.50
1.4	64QAM	3	3	ANT4	DSI4	17.92	17.92	18.00	18.50
1.4	64QAM	6	0	ANT4	DSI4	17.88	17.82	17.80	18.50
1.4	256QAM	1	0	ANT4	DSI4	17.81	17.85	17.80	18.50
1.4	256QAM	1	2	ANT4	DSI4	17.97	17.98	17.85	18.50
1.4	256QAM	1	5	ANT4	DSI4	17.99	18.00	17.87	18.50
1.4	256QAM	3	0	ANT4	DSI4	17.88	17.83	18.00	18.50
1.4	256QAM	3	1	ANT4	DSI4	17.83	17.89	18.00	18.50
1.4	256QAM	3	3	ANT4	DSI4	17.90	17.97	17.89	18.50
1.4	256QAM	6	0	ANT4	DSI4	17.87	17.81	17.83	18.50

Band				LTE Band2(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18615	18900	19175	Tune-up power(dBm)
3	QPSK	1	0	ANT4	DSI4	17.94	17.91	17.82	18.50
3	QPSK	1	7	ANT4	DSI4	17.82	17.85	18.00	18.50
3	QPSK	1	14	ANT4	DSI4	17.91	17.90	17.83	18.50
3	QPSK	8	0	ANT4	DSI4	17.87	17.93	17.86	18.50
3	QPSK	8	3	ANT4	DSI4	17.90	17.92	17.88	18.50
3	QPSK	8	7	ANT4	DSI4	18.00	17.83	17.81	18.50
3	QPSK	15	0	ANT4	DSI4	17.88	17.88	17.88	18.50
3	16QAM	1	0	ANT4	DSI4	17.97	17.94	17.95	18.50
3	16QAM	1	7	ANT4	DSI4	17.84	17.94	17.81	18.50
3	16QAM	1	14	ANT4	DSI4	17.84	17.84	17.94	18.50
3	16QAM	8	0	ANT4	DSI4	17.80	17.89	17.96	18.50
3	16QAM	8	3	ANT4	DSI4	17.88	17.81	17.80	18.50
3	16QAM	8	7	ANT4	DSI4	17.99	17.85	17.86	18.50
3	16QAM	15	0	ANT4	DSI4	17.87	17.86	17.80	18.50
3	64QAM	1	0	ANT4	DSI4	17.94	17.88	18.00	18.50
3	64QAM	1	7	ANT4	DSI4	17.91	17.94	17.83	18.50
3	64QAM	1	14	ANT4	DSI4	17.82	17.82	17.98	18.50
3	64QAM	8	0	ANT4	DSI4	17.90	17.88	18.00	18.50
3	64QAM	8	3	ANT4	DSI4	17.97	17.94	17.97	18.50
3	64QAM	8	7	ANT4	DSI4	17.95	17.84	17.86	18.50
3	64QAM	15	0	ANT4	DSI4	17.98	17.87	17.91	18.50
3	256QAM	1	0	ANT4	DSI4	17.82	17.95	17.99	18.50
3	256QAM	1	7	ANT4	DSI4	17.98	17.91	17.89	18.50
3	256QAM	1	14	ANT4	DSI4	17.85	17.88	17.89	18.50
3	256QAM	8	0	ANT4	DSI4	17.87	17.83	17.95	18.50
3	256QAM	8	3	ANT4	DSI4	17.86	17.84	17.98	18.50
3	256QAM	8	7	ANT4	DSI4	17.86	17.93	17.91	18.50
3	256QAM	15	0	ANT4	DSI4	17.97	17.90	17.86	18.50

Band				LTE Band2(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18625	18900	19175	Tune-up power(dBm)
5	QPSK	1	0	ANT4	DSI4	17.81	17.83	17.95	18.50
5	QPSK	1	12	ANT4	DSI4	17.99	17.82	17.80	18.50
5	QPSK	1	24	ANT4	DSI4	18.00	17.93	17.96	18.50
5	QPSK	12	0	ANT4	DSI4	17.81	17.95	17.96	18.50
5	QPSK	12	6	ANT4	DSI4	17.82	17.89	17.92	18.50
5	QPSK	12	13	ANT4	DSI4	17.85	17.91	17.82	18.50
5	QPSK	25	0	ANT4	DSI4	17.96	17.93	17.92	18.50
5	16QAM	1	0	ANT4	DSI4	17.88	17.94	17.97	18.50
5	16QAM	1	12	ANT4	DSI4	17.96	17.90	18.00	18.50
5	16QAM	1	24	ANT4	DSI4	17.82	17.97	17.86	18.50
5	16QAM	12	0	ANT4	DSI4	17.90	17.93	17.81	18.50
5	16QAM	12	6	ANT4	DSI4	17.93	17.95	17.97	18.50
5	16QAM	12	13	ANT4	DSI4	17.94	18.00	18.00	18.50
5	16QAM	25	0	ANT4	DSI4	17.91	17.85	17.80	18.50
5	64QAM	1	0	ANT4	DSI4	17.94	17.86	17.96	18.50
5	64QAM	1	12	ANT4	DSI4	17.82	17.91	17.90	18.50
5	64QAM	1	24	ANT4	DSI4	17.82	17.89	17.86	18.50
5	64QAM	12	0	ANT4	DSI4	17.93	17.80	17.81	18.50
5	64QAM	12	6	ANT4	DSI4	17.83	17.80	18.00	18.50
5	64QAM	12	13	ANT4	DSI4	17.81	17.96	17.97	18.50
5	64QAM	25	0	ANT4	DSI4	17.89	17.84	17.82	18.50
5	256QAM	1	0	ANT4	DSI4	17.81	17.98	17.85	18.50
5	256QAM	1	12	ANT4	DSI4	17.98	17.81	17.83	18.50
5	256QAM	1	24	ANT4	DSI4	17.88	17.87	17.95	18.50
5	256QAM	12	0	ANT4	DSI4	17.90	17.88	17.99	18.50
5	256QAM	12	6	ANT4	DSI4	17.92	17.96	17.97	18.50
5	256QAM	12	13	ANT4	DSI4	18.00	17.83	17.99	18.50
5	256QAM	25	0	ANT4	DSI4	18.00	17.93	17.86	18.50

Band				LTE Band2(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18650	18900	19150	Tune-up power(dBm)
10	QPSK	1	0	ANT4	DSI4	17.80	17.85	17.85	18.50
10	QPSK	1	24	ANT4	DSI4	17.90	17.85	17.87	18.50
10	QPSK	1	49	ANT4	DSI4	17.96	17.86	17.90	18.50
10	QPSK	25	0	ANT4	DSI4	17.85	17.94	17.88	18.50
10	QPSK	25	12	ANT4	DSI4	17.98	17.99	17.81	18.50
10	QPSK	25	25	ANT4	DSI4	17.94	17.97	17.90	18.50
10	QPSK	50	0	ANT4	DSI4	17.99	17.82	17.97	18.50
10	16QAM	1	0	ANT4	DSI4	17.88	17.86	17.85	18.50
10	16QAM	1	24	ANT4	DSI4	17.83	17.84	17.99	18.50
10	16QAM	1	49	ANT4	DSI4	17.83	17.89	17.98	18.50
10	16QAM	25	0	ANT4	DSI4	17.94	17.98	17.85	18.50
10	16QAM	25	12	ANT4	DSI4	17.95	17.86	17.86	18.50
10	16QAM	25	25	ANT4	DSI4	17.98	17.87	17.85	18.50
10	16QAM	50	0	ANT4	DSI4	17.98	17.81	17.83	18.50
10	64QAM	1	0	ANT4	DSI4	17.80	17.85	17.89	18.50
10	64QAM	1	24	ANT4	DSI4	17.97	17.97	17.99	18.50
10	64QAM	1	49	ANT4	DSI4	17.92	17.99	17.81	18.50
10	64QAM	25	0	ANT4	DSI4	17.94	17.83	17.91	18.50
10	64QAM	25	12	ANT4	DSI4	18.00	17.93	17.96	18.50
10	64QAM	25	25	ANT4	DSI4	17.95	17.87	17.90	18.50
10	64QAM	50	0	ANT4	DSI4	17.89	17.97	17.84	18.50
10	256QAM	1	0	ANT4	DSI4	17.85	18.00	17.81	18.50
10	256QAM	1	24	ANT4	DSI4	18.00	17.98	17.91	18.50
10	256QAM	1	49	ANT4	DSI4	17.82	17.99	17.91	18.50
10	256QAM	25	0	ANT4	DSI4	17.93	17.92	17.87	18.50
10	256QAM	25	12	ANT4	DSI4	17.94	17.91	17.91	18.50
10	256QAM	25	25	ANT4	DSI4	17.90	17.81	17.95	18.50
10	256QAM	50	0	ANT4	DSI4	17.99	17.88	17.90	18.50

Band				LTE Band2(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18675	18900	19125	Tune-up power(dBm)
15	QPSK	1	0	ANT4	DSI4	17.93	17.88	18.00	18.50
15	QPSK	1	37	ANT4	DSI4	17.85	17.99	17.84	18.50
15	QPSK	1	74	ANT4	DSI4	17.80	17.90	17.81	18.50
15	QPSK	36	0	ANT4	DSI4	17.86	18.00	17.88	18.50
15	QPSK	36	19	ANT4	DSI4	17.97	17.87	17.94	18.50
15	QPSK	36	39	ANT4	DSI4	17.80	17.90	17.83	18.50
15	QPSK	75	0	ANT4	DSI4	17.85	17.92	17.88	18.50
15	16QAM	1	0	ANT4	DSI4	17.99	17.80	17.95	18.50
15	16QAM	1	37	ANT4	DSI4	17.84	17.98	17.92	18.50
15	16QAM	1	74	ANT4	DSI4	17.94	17.99	17.82	18.50
15	16QAM	36	0	ANT4	DSI4	17.80	17.87	17.94	18.50
15	16QAM	36	19	ANT4	DSI4	17.93	17.99	17.87	18.50
15	16QAM	36	39	ANT4	DSI4	17.82	17.91	17.93	18.50
15	16QAM	75	0	ANT4	DSI4	17.89	17.98	17.88	18.50
15	64QAM	1	0	ANT4	DSI4	17.84	17.87	17.93	18.50
15	64QAM	1	37	ANT4	DSI4	17.95	17.89	17.90	18.50
15	64QAM	1	74	ANT4	DSI4	17.84	17.84	17.97	18.50
15	64QAM	36	0	ANT4	DSI4	18.00	17.90	17.90	18.50
15	64QAM	36	19	ANT4	DSI4	17.95	17.80	17.87	18.50
15	64QAM	36	39	ANT4	DSI4	17.99	17.82	17.87	18.50
15	64QAM	75	0	ANT4	DSI4	17.94	17.93	17.83	18.50
15	256QAM	1	0	ANT4	DSI4	17.80	17.90	17.95	18.50
15	256QAM	1	37	ANT4	DSI4	17.90	17.92	17.82	18.50
15	256QAM	1	74	ANT4	DSI4	17.84	17.97	18.00	18.50
15	256QAM	36	0	ANT4	DSI4	17.99	17.89	17.95	18.50
15	256QAM	36	19	ANT4	DSI4	17.95	17.98	17.87	18.50
15	256QAM	36	39	ANT4	DSI4	18.00	17.82	17.90	18.50
15	256QAM	75	0	ANT4	DSI4	17.85	17.81	17.94	18.50

Band				LTE Band2(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18700	18900	19100	Tune-up power(dBm)
20	QPSK	1	0	ANT4	DSI4	17.95	17.95	17.89	18.50
20	QPSK	1	49	ANT4	DSI4	17.82	17.87	17.85	18.50
20	QPSK	1	99	ANT4	DSI4	17.96	17.96	17.85	18.50
20	QPSK	50	0	ANT4	DSI4	18.00	17.85	17.85	18.50
20	QPSK	50	25	ANT4	DSI4	17.93	17.96	17.87	18.50
20	QPSK	50	50	ANT4	DSI4	17.97	17.80	17.98	18.50
20	QPSK	100	0	ANT4	DSI4	17.90	17.84	17.98	18.50
20	16QAM	1	0	ANT4	DSI4	17.97	17.96	18.00	18.50
20	16QAM	1	49	ANT4	DSI4	17.93	17.90	17.99	18.50
20	16QAM	1	99	ANT4	DSI4	17.84	17.96	17.88	18.50
20	16QAM	50	0	ANT4	DSI4	17.89	17.91	18.00	18.50
20	16QAM	50	25	ANT4	DSI4	17.93	17.84	17.92	18.50
20	16QAM	50	50	ANT4	DSI4	17.97	17.90	17.94	18.50
20	16QAM	100	0	ANT4	DSI4	17.97	17.92	17.84	18.50
20	64QAM	1	0	ANT4	DSI4	17.91	17.81	17.91	18.50
20	64QAM	1	49	ANT4	DSI4	17.94	17.89	18.00	18.50
20	64QAM	1	99	ANT4	DSI4	17.91	17.95	17.85	18.50
20	64QAM	50	0	ANT4	DSI4	17.81	17.83	17.80	18.50
20	64QAM	50	25	ANT4	DSI4	17.89	17.87	17.88	18.50
20	64QAM	50	50	ANT4	DSI4	17.89	17.86	17.83	18.50
20	64QAM	100	0	ANT4	DSI4	17.95	17.87	18.00	18.50
20	256QAM	1	0	ANT4	DSI4	17.82	17.94	17.81	18.50
20	256QAM	1	49	ANT4	DSI4	17.96	17.81	17.82	18.50
20	256QAM	1	99	ANT4	DSI4	17.86	17.91	17.83	18.50
20	256QAM	50	0	ANT4	DSI4	17.87	17.92	17.92	18.50
20	256QAM	50	25	ANT4	DSI4	17.99	17.96	17.91	18.50
20	256QAM	50	50	ANT4	DSI4	17.97	17.85	17.85	18.50
20	256QAM	100	0	ANT4	DSI4	17.84	17.83	17.95	18.50

Band				LTE Band2(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18607	18900	19185	Tune-up power(dBm)
1.4	QPSK	1	0	ANT4	DSI5&6	15.96	15.96	15.94	16.50
1.4	QPSK	1	2	ANT4	DSI5&6	15.81	15.99	15.95	16.50
1.4	QPSK	1	5	ANT4	DSI5&6	15.87	15.80	15.86	16.50
1.4	QPSK	3	0	ANT4	DSI5&6	15.99	16.00	15.99	16.50
1.4	QPSK	3	1	ANT4	DSI5&6	15.91	15.93	15.85	16.50
1.4	QPSK	3	3	ANT4	DSI5&6	15.80	15.96	15.82	16.50
1.4	QPSK	6	0	ANT4	DSI5&6	15.92	15.99	15.91	16.50
1.4	16QAM	1	0	ANT4	DSI5&6	15.98	15.92	15.83	16.50
1.4	16QAM	1	2	ANT4	DSI5&6	15.95	15.91	15.86	16.50
1.4	16QAM	1	5	ANT4	DSI5&6	15.94	15.96	16.00	16.50
1.4	16QAM	3	0	ANT4	DSI5&6	15.98	15.93	15.96	16.50
1.4	16QAM	3	1	ANT4	DSI5&6	15.83	15.98	15.87	16.50
1.4	16QAM	3	3	ANT4	DSI5&6	15.84	15.90	15.81	16.50
1.4	16QAM	6	0	ANT4	DSI5&6	15.88	16.00	15.95	16.50
1.4	64QAM	1	0	ANT4	DSI5&6	15.96	15.92	15.83	16.50
1.4	64QAM	1	2	ANT4	DSI5&6	15.83	15.92	15.87	16.50
1.4	64QAM	1	5	ANT4	DSI5&6	15.96	15.94	15.90	16.50
1.4	64QAM	3	0	ANT4	DSI5&6	15.85	15.99	15.92	16.50
1.4	64QAM	3	1	ANT4	DSI5&6	15.84	15.98	15.84	16.50
1.4	64QAM	3	3	ANT4	DSI5&6	15.93	15.81	15.91	16.50
1.4	64QAM	6	0	ANT4	DSI5&6	15.99	15.86	15.93	16.50
1.4	256QAM	1	0	ANT4	DSI5&6	15.96	15.91	16.00	16.50
1.4	256QAM	1	2	ANT4	DSI5&6	15.89	15.90	15.98	16.50
1.4	256QAM	1	5	ANT4	DSI5&6	15.87	15.81	15.89	16.50
1.4	256QAM	3	0	ANT4	DSI5&6	15.89	15.85	15.81	16.50
1.4	256QAM	3	1	ANT4	DSI5&6	15.90	15.87	15.88	16.50
1.4	256QAM	3	3	ANT4	DSI5&6	15.89	15.97	15.92	16.50
1.4	256QAM	6	0	ANT4	DSI5&6	16.00	15.92	15.86	16.50

Band				LTE Band2(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18615	18900	19175	Tune-up power(dBm)
3	QPSK	1	0	ANT4	DSI5&6	15.97	15.93	15.99	16.50
3	QPSK	1	7	ANT4	DSI5&6	15.98	15.83	15.80	16.50
3	QPSK	1	14	ANT4	DSI5&6	16.00	15.93	15.80	16.50
3	QPSK	8	0	ANT4	DSI5&6	15.94	15.92	15.93	16.50
3	QPSK	8	3	ANT4	DSI5&6	15.83	15.98	15.88	16.50
3	QPSK	8	7	ANT4	DSI5&6	15.86	15.86	15.84	16.50
3	QPSK	15	0	ANT4	DSI5&6	15.98	15.99	16.00	16.50
3	16QAM	1	0	ANT4	DSI5&6	15.90	16.00	15.90	16.50
3	16QAM	1	7	ANT4	DSI5&6	15.82	15.85	15.94	16.50
3	16QAM	1	14	ANT4	DSI5&6	15.94	15.88	15.89	16.50
3	16QAM	8	0	ANT4	DSI5&6	15.93	15.89	15.83	16.50
3	16QAM	8	3	ANT4	DSI5&6	15.93	15.97	15.84	16.50
3	16QAM	8	7	ANT4	DSI5&6	15.94	15.86	15.80	16.50
3	16QAM	15	0	ANT4	DSI5&6	15.96	15.95	15.85	16.50
3	64QAM	1	0	ANT4	DSI5&6	15.92	15.96	15.91	16.50
3	64QAM	1	7	ANT4	DSI5&6	15.89	15.91	15.88	16.50
3	64QAM	1	14	ANT4	DSI5&6	15.98	15.95	15.95	16.50
3	64QAM	8	0	ANT4	DSI5&6	15.89	15.89	15.98	16.50
3	64QAM	8	3	ANT4	DSI5&6	15.83	15.80	15.99	16.50
3	64QAM	8	7	ANT4	DSI5&6	15.87	15.80	15.98	16.50
3	64QAM	15	0	ANT4	DSI5&6	15.85	15.83	15.99	16.50
3	256QAM	1	0	ANT4	DSI5&6	15.95	15.86	15.80	16.50
3	256QAM	1	7	ANT4	DSI5&6	15.97	15.99	15.95	16.50
3	256QAM	1	14	ANT4	DSI5&6	15.84	15.84	15.81	16.50
3	256QAM	8	0	ANT4	DSI5&6	15.87	16.00	15.83	16.50
3	256QAM	8	3	ANT4	DSI5&6	15.98	15.98	15.88	16.50
3	256QAM	8	7	ANT4	DSI5&6	15.83	15.96	15.94	16.50
3	256QAM	15	0	ANT4	DSI5&6	15.96	15.94	15.95	16.50

Band				LTE Band2(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18625	18900	19175	Tune-up power(dBm)
5	QPSK	1	0	ANT4	DSI5&6	15.81	15.83	15.89	16.50
5	QPSK	1	12	ANT4	DSI5&6	15.85	15.86	15.80	16.50
5	QPSK	1	24	ANT4	DSI5&6	15.98	15.81	15.93	16.50
5	QPSK	12	0	ANT4	DSI5&6	15.98	15.80	15.94	16.50
5	QPSK	12	6	ANT4	DSI5&6	15.86	15.96	15.81	16.50
5	QPSK	12	13	ANT4	DSI5&6	15.88	15.86	15.87	16.50
5	QPSK	25	0	ANT4	DSI5&6	15.82	15.83	15.83	16.50
5	16QAM	1	0	ANT4	DSI5&6	15.90	15.87	15.81	16.50
5	16QAM	1	12	ANT4	DSI5&6	15.92	16.00	15.93	16.50
5	16QAM	1	24	ANT4	DSI5&6	15.98	15.81	15.98	16.50
5	16QAM	12	0	ANT4	DSI5&6	15.91	15.84	15.89	16.50
5	16QAM	12	6	ANT4	DSI5&6	15.81	15.98	15.81	16.50
5	16QAM	12	13	ANT4	DSI5&6	15.84	15.83	15.93	16.50
5	16QAM	25	0	ANT4	DSI5&6	15.95	15.89	15.83	16.50
5	64QAM	1	0	ANT4	DSI5&6	15.85	15.84	16.00	16.50
5	64QAM	1	12	ANT4	DSI5&6	15.84	15.93	15.95	16.50
5	64QAM	1	24	ANT4	DSI5&6	15.99	15.82	15.97	16.50
5	64QAM	12	0	ANT4	DSI5&6	15.97	15.87	15.81	16.50
5	64QAM	12	6	ANT4	DSI5&6	15.89	15.86	15.90	16.50
5	64QAM	12	13	ANT4	DSI5&6	15.91	15.85	15.93	16.50
5	64QAM	25	0	ANT4	DSI5&6	15.83	15.92	15.82	16.50
5	256QAM	1	0	ANT4	DSI5&6	15.96	15.81	15.96	16.50
5	256QAM	1	12	ANT4	DSI5&6	15.82	15.92	15.82	16.50
5	256QAM	1	24	ANT4	DSI5&6	15.98	15.93	15.88	16.50
5	256QAM	12	0	ANT4	DSI5&6	15.89	15.92	15.98	16.50
5	256QAM	12	6	ANT4	DSI5&6	15.87	15.80	16.00	16.50
5	256QAM	12	13	ANT4	DSI5&6	15.92	15.93	15.96	16.50
5	256QAM	25	0	ANT4	DSI5&6	15.99	15.96	15.87	16.50

Band				LTE Band2(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18650	18900	19150	Tune-up power(dBm)
10	QPSK	1	0	ANT4	DSI5&6	15.92	15.80	15.87	16.50
10	QPSK	1	24	ANT4	DSI5&6	15.81	15.91	15.96	16.50
10	QPSK	1	49	ANT4	DSI5&6	15.90	15.98	15.85	16.50
10	QPSK	25	0	ANT4	DSI5&6	15.97	15.98	15.80	16.50
10	QPSK	25	12	ANT4	DSI5&6	15.95	15.86	15.93	16.50
10	QPSK	25	25	ANT4	DSI5&6	15.86	15.81	15.93	16.50
10	QPSK	50	0	ANT4	DSI5&6	15.85	15.89	15.93	16.50
10	16QAM	1	0	ANT4	DSI5&6	16.00	15.90	15.96	16.50
10	16QAM	1	24	ANT4	DSI5&6	15.94	15.94	15.91	16.50
10	16QAM	1	49	ANT4	DSI5&6	15.81	15.85	15.95	16.50
10	16QAM	25	0	ANT4	DSI5&6	15.80	15.84	15.91	16.50
10	16QAM	25	12	ANT4	DSI5&6	15.91	15.95	15.82	16.50
10	16QAM	25	25	ANT4	DSI5&6	15.91	15.98	15.99	16.50
10	16QAM	50	0	ANT4	DSI5&6	15.85	15.80	15.90	16.50
10	64QAM	1	0	ANT4	DSI5&6	15.86	15.88	15.98	16.50
10	64QAM	1	24	ANT4	DSI5&6	15.91	15.96	15.89	16.50
10	64QAM	1	49	ANT4	DSI5&6	15.92	15.91	15.92	16.50
10	64QAM	25	0	ANT4	DSI5&6	15.87	15.94	15.88	16.50
10	64QAM	25	12	ANT4	DSI5&6	15.82	15.91	15.89	16.50
10	64QAM	25	25	ANT4	DSI5&6	15.88	15.92	15.95	16.50
10	64QAM	50	0	ANT4	DSI5&6	16.00	15.83	15.93	16.50
10	256QAM	1	0	ANT4	DSI5&6	15.85	15.83	15.90	16.50
10	256QAM	1	24	ANT4	DSI5&6	15.91	15.84	15.91	16.50
10	256QAM	1	49	ANT4	DSI5&6	15.95	15.97	15.96	16.50
10	256QAM	25	0	ANT4	DSI5&6	15.99	15.80	15.83	16.50
10	256QAM	25	12	ANT4	DSI5&6	15.84	15.94	15.98	16.50
10	256QAM	25	25	ANT4	DSI5&6	15.80	15.99	15.82	16.50
10	256QAM	50	0	ANT4	DSI5&6	15.89	15.84	15.89	16.50

Band				LTE Band2(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18675	18900	19125	Tune-up power(dBm)
15	QPSK	1	0	ANT4	DSI5&6	15.84	15.83	15.85	16.50
15	QPSK	1	37	ANT4	DSI5&6	15.89	15.91	15.90	16.50
15	QPSK	1	74	ANT4	DSI5&6	15.89	15.85	15.87	16.50
15	QPSK	36	0	ANT4	DSI5&6	15.86	15.82	15.83	16.50
15	QPSK	36	19	ANT4	DSI5&6	15.80	15.82	15.93	16.50
15	QPSK	36	39	ANT4	DSI5&6	15.93	15.99	15.96	16.50
15	QPSK	75	0	ANT4	DSI5&6	15.88	15.98	15.93	16.50
15	16QAM	1	0	ANT4	DSI5&6	15.97	15.84	15.96	16.50
15	16QAM	1	37	ANT4	DSI5&6	15.91	15.85	15.91	16.50
15	16QAM	1	74	ANT4	DSI5&6	15.86	16.00	15.85	16.50
15	16QAM	36	0	ANT4	DSI5&6	15.97	15.93	15.94	16.50
15	16QAM	36	19	ANT4	DSI5&6	15.81	15.87	15.82	16.50
15	16QAM	36	39	ANT4	DSI5&6	15.94	15.87	15.88	16.50
15	16QAM	75	0	ANT4	DSI5&6	15.85	15.84	15.90	16.50
15	64QAM	1	0	ANT4	DSI5&6	15.88	15.84	16.00	16.50
15	64QAM	1	37	ANT4	DSI5&6	15.87	15.90	15.94	16.50
15	64QAM	1	74	ANT4	DSI5&6	15.84	15.93	15.80	16.50
15	64QAM	36	0	ANT4	DSI5&6	15.85	15.95	15.96	16.50
15	64QAM	36	19	ANT4	DSI5&6	15.88	15.90	15.97	16.50
15	64QAM	36	39	ANT4	DSI5&6	15.98	15.97	15.80	16.50
15	64QAM	75	0	ANT4	DSI5&6	15.88	15.94	15.98	16.50
15	256QAM	1	0	ANT4	DSI5&6	15.80	15.83	15.82	16.50
15	256QAM	1	37	ANT4	DSI5&6	15.89	15.86	15.94	16.50
15	256QAM	1	74	ANT4	DSI5&6	15.81	15.86	15.84	16.50
15	256QAM	36	0	ANT4	DSI5&6	15.89	15.85	15.85	16.50
15	256QAM	36	19	ANT4	DSI5&6	15.91	15.87	15.96	16.50
15	256QAM	36	39	ANT4	DSI5&6	15.96	15.92	16.00	16.50
15	256QAM	75	0	ANT4	DSI5&6	15.83	15.96	15.86	16.50

Band				LTE Band2(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18700	18900	19100	Tune-up power(dBm)
20	QPSK	1	0	ANT4	DSI5&6	15.92	15.81	15.91	16.50
20	QPSK	1	49	ANT4	DSI5&6	15.92	16.00	15.85	16.50
20	QPSK	1	99	ANT4	DSI5&6	15.85	16.00	16.00	16.50
20	QPSK	50	0	ANT4	DSI5&6	15.83	15.81	15.94	16.50
20	QPSK	50	25	ANT4	DSI5&6	15.97	15.91	15.88	16.50
20	QPSK	50	50	ANT4	DSI5&6	15.92	15.97	15.83	16.50
20	QPSK	100	0	ANT4	DSI5&6	15.95	15.91	15.99	16.50
20	16QAM	1	0	ANT4	DSI5&6	15.90	15.86	15.92	16.50
20	16QAM	1	49	ANT4	DSI5&6	15.99	15.89	15.87	16.50
20	16QAM	1	99	ANT4	DSI5&6	15.93	15.86	15.80	16.50
20	16QAM	50	0	ANT4	DSI5&6	15.88	15.83	15.89	16.50
20	16QAM	50	25	ANT4	DSI5&6	15.84	15.80	15.95	16.50
20	16QAM	50	50	ANT4	DSI5&6	15.88	15.93	15.98	16.50
20	16QAM	100	0	ANT4	DSI5&6	15.92	15.81	15.96	16.50
20	64QAM	1	0	ANT4	DSI5&6	15.84	15.96	15.91	16.50
20	64QAM	1	49	ANT4	DSI5&6	15.98	15.86	15.95	16.50
20	64QAM	1	99	ANT4	DSI5&6	15.90	15.86	15.90	16.50
20	64QAM	50	0	ANT4	DSI5&6	15.99	15.85	15.94	16.50
20	64QAM	50	25	ANT4	DSI5&6	15.90	15.98	15.95	16.50
20	64QAM	50	50	ANT4	DSI5&6	15.93	15.97	15.91	16.50
20	64QAM	100	0	ANT4	DSI5&6	15.83	15.95	15.98	16.50
20	256QAM	1	0	ANT4	DSI5&6	15.83	15.89	15.94	16.50
20	256QAM	1	49	ANT4	DSI5&6	15.92	15.81	15.97	16.50
20	256QAM	1	99	ANT4	DSI5&6	15.86	15.98	15.82	16.50
20	256QAM	50	0	ANT4	DSI5&6	15.85	15.87	15.89	16.50
20	256QAM	50	25	ANT4	DSI5&6	15.81	15.95	15.92	16.50
20	256QAM	50	50	ANT4	DSI5&6	15.94	15.94	15.91	16.50
20	256QAM	100	0	ANT4	DSI5&6	15.97	15.87	15.80	16.50

Band				LTE Band5(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	20407	20525	20643	Tune-up power(dBm)
1.4	QPSK	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	24.13	24.03	24.16	25.00
1.4	QPSK	1	2	ANT0	Full Power&DSI1&2&3&4&5&6	24.24	24.21	24.24	25.00
1.4	QPSK	1	5	ANT0	Full Power&DSI1&2&3&4&5&6	24.24	24.04	24.30	25.00
1.4	QPSK	3	0	ANT0	Full Power&DSI1&2&3&4&5&6	24.11	24.12	24.19	25.00
1.4	QPSK	3	1	ANT0	Full Power&DSI1&2&3&4&5&6	24.24	24.21	24.31	25.00
1.4	QPSK	3	3	ANT0	Full Power&DSI1&2&3&4&5&6	24.27	24.18	24.22	25.00
1.4	QPSK	6	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.19	23.16	22.98	24.00
1.4	16QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.40	23.54	23.42	24.00
1.4	16QAM	1	2	ANT0	Full Power&DSI1&2&3&4&5&6	23.34	23.48	23.53	24.00
1.4	16QAM	1	5	ANT0	Full Power&DSI1&2&3&4&5&6	23.50	23.62	23.29	24.00
1.4	16QAM	3	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.30	23.28	23.05	24.00
1.4	16QAM	3	1	ANT0	Full Power&DSI1&2&3&4&5&6	23.29	23.16	23.03	24.00
1.4	16QAM	3	3	ANT0	Full Power&DSI1&2&3&4&5&6	23.33	23.07	23.17	24.00
1.4	16QAM	6	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.15	22.23	22.28	23.00
1.4	64QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.29	22.34	22.39	23.00
1.4	64QAM	1	2	ANT0	Full Power&DSI1&2&3&4&5&6	22.22	22.50	22.77	23.00
1.4	64QAM	1	5	ANT0	Full Power&DSI1&2&3&4&5&6	22.30	22.44	22.55	23.00
1.4	64QAM	3	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.28	22.23	22.12	23.00
1.4	64QAM	3	1	ANT0	Full Power&DSI1&2&3&4&5&6	22.19	22.06	22.20	23.00
1.4	64QAM	3	3	ANT0	Full Power&DSI1&2&3&4&5&6	22.11	22.35	22.33	23.00
1.4	64QAM	6	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.33	21.12	21.08	22.00
1.4	256QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.42	19.41	19.43	20.00
1.4	256QAM	1	2	ANT0	Full Power&DSI1&2&3&4&5&6	19.02	19.51	19.52	20.00
1.4	256QAM	1	5	ANT0	Full Power&DSI1&2&3&4&5&6	19.51	19.14	19.43	20.00
1.4	256QAM	3	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.27	19.30	19.15	20.00
1.4	256QAM	3	1	ANT0	Full Power&DSI1&2&3&4&5&6	19.18	19.24	19.23	20.00
1.4	256QAM	3	3	ANT0	Full Power&DSI1&2&3&4&5&6	19.00	19.30	19.28	20.00
1.4	256QAM	6	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.51	19.16	19.14	20.00

Band				LTE Band5(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	20415	20525	20635	Tune-up power(dBm)
3	QPSK	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	24.21	24.25	24.22	25.00
3	QPSK	1	7	ANT0	Full Power&DSI1&2&3&4&5&6	24.24	24.23	24.29	25.00
3	QPSK	1	14	ANT0	Full Power&DSI1&2&3&4&5&6	24.27	24.17	24.19	25.00
3	QPSK	8	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.14	23.16	23.21	24.00
3	QPSK	8	3	ANT0	Full Power&DSI1&2&3&4&5&6	23.16	23.24	23.14	24.00
3	QPSK	8	7	ANT0	Full Power&DSI1&2&3&4&5&6	23.13	23.28	23.25	24.00
3	QPSK	15	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.17	23.21	23.12	24.00
3	16QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.21	23.48	23.59	24.00
3	16QAM	1	7	ANT0	Full Power&DSI1&2&3&4&5&6	23.33	23.57	23.46	24.00
3	16QAM	1	14	ANT0	Full Power&DSI1&2&3&4&5&6	23.33	23.44	23.36	24.00
3	16QAM	8	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.10	22.13	22.12	23.00
3	16QAM	8	3	ANT0	Full Power&DSI1&2&3&4&5&6	22.20	22.13	22.18	23.00
3	16QAM	8	7	ANT0	Full Power&DSI1&2&3&4&5&6	22.28	22.22	22.26	23.00
3	16QAM	15	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.20	22.22	22.14	23.00
3	64QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.34	22.35	22.54	23.00
3	64QAM	1	7	ANT0	Full Power&DSI1&2&3&4&5&6	22.18	22.48	22.69	23.00
3	64QAM	1	14	ANT0	Full Power&DSI1&2&3&4&5&6	22.30	22.36	22.56	23.00
3	64QAM	8	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.16	21.25	21.18	22.00
3	64QAM	8	3	ANT0	Full Power&DSI1&2&3&4&5&6	21.10	21.15	21.20	22.00
3	64QAM	8	7	ANT0	Full Power&DSI1&2&3&4&5&6	21.05	21.30	21.40	22.00
3	64QAM	15	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.29	21.13	21.26	22.00
3	256QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.32	19.44	19.46	20.00
3	256QAM	1	7	ANT0	Full Power&DSI1&2&3&4&5&6	19.06	19.35	19.66	20.00
3	256QAM	1	14	ANT0	Full Power&DSI1&2&3&4&5&6	19.35	19.34	19.40	20.00
3	256QAM	8	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.31	19.14	19.21	20.00
3	256QAM	8	3	ANT0	Full Power&DSI1&2&3&4&5&6	19.29	19.22	19.24	20.00
3	256QAM	8	7	ANT0	Full Power&DSI1&2&3&4&5&6	19.22	19.41	19.32	20.00
3	256QAM	15	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.42	19.12	19.17	20.00

Band				LTE Band5(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	20425	20525	20625	Tune-up power(dBm)
5	QPSK	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	24.23	24.24	24.20	25.00
5	QPSK	1	12	ANT0	Full Power&DSI1&2&3&4&5&6	24.27	24.24	24.28	25.00
5	QPSK	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	24.28	24.25	24.15	25.00
5	QPSK	12	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.09	23.19	23.24	24.00
5	QPSK	12	6	ANT0	Full Power&DSI1&2&3&4&5&6	23.25	23.24	23.22	24.00
5	QPSK	12	13	ANT0	Full Power&DSI1&2&3&4&5&6	23.10	23.28	23.18	24.00
5	QPSK	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.11	23.25	23.06	24.00
5	16QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.22	23.43	23.53	24.00
5	16QAM	1	12	ANT0	Full Power&DSI1&2&3&4&5&6	23.37	23.57	23.44	24.00
5	16QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	23.41	23.41	23.32	24.00
5	16QAM	12	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.15	22.13	22.13	23.00
5	16QAM	12	6	ANT0	Full Power&DSI1&2&3&4&5&6	22.27	22.18	22.21	23.00
5	16QAM	12	13	ANT0	Full Power&DSI1&2&3&4&5&6	22.24	22.25	22.21	23.00
5	16QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.22	22.23	22.15	23.00
5	64QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.28	22.43	22.52	23.00
5	64QAM	1	12	ANT0	Full Power&DSI1&2&3&4&5&6	22.22	22.48	22.69	23.00
5	64QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	22.29	22.41	22.62	23.00
5	64QAM	12	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.18	21.21	21.25	22.00
5	64QAM	12	6	ANT0	Full Power&DSI1&2&3&4&5&6	21.09	21.22	21.25	22.00
5	64QAM	12	13	ANT0	Full Power&DSI1&2&3&4&5&6	21.14	21.30	21.36	22.00
5	64QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.37	21.15	21.26	22.00
5	256QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.39	19.46	19.48	20.00
5	256QAM	1	12	ANT0	Full Power&DSI1&2&3&4&5&6	19.10	19.35	19.62	20.00
5	256QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	19.35	19.31	19.44	20.00
5	256QAM	12	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.34	19.21	19.12	20.00
5	256QAM	12	6	ANT0	Full Power&DSI1&2&3&4&5&6	19.27	19.22	19.18	20.00
5	256QAM	12	13	ANT0	Full Power&DSI1&2&3&4&5&6	19.14	19.43	19.27	20.00
5	256QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.35	19.17	19.09	20.00

Band				LTE Band5(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	20450	20525	20600	Tune-up power(dBm)
10	QPSK	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	24.24	24.21	24.21	25.00
10	QPSK	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	24.25	24.28	24.32	25.00
10	QPSK	1	49	ANT0	Full Power&DSI1&2&3&4&5&6	24.23	24.20	24.18	25.00
10	QPSK	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.09	23.20	23.20	24.00
10	QPSK	25	12	ANT0	Full Power&DSI1&2&3&4&5&6	23.21	23.20	23.18	24.00
10	QPSK	25	25	ANT0	Full Power&DSI1&2&3&4&5&6	23.11	23.24	23.20	24.00
10	QPSK	50	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.15	23.21	23.09	24.00
10	16QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.25	23.46	23.54	24.00
10	16QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	23.35	23.52	23.48	24.00
10	16QAM	1	49	ANT0	Full Power&DSI1&2&3&4&5&6	23.37	23.44	23.37	24.00
10	16QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.14	22.17	22.13	23.00
10	16QAM	25	12	ANT0	Full Power&DSI1&2&3&4&5&6	22.22	22.15	22.23	23.00
10	16QAM	25	25	ANT0	Full Power&DSI1&2&3&4&5&6	22.25	22.22	22.25	23.00
10	16QAM	50	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.23	22.21	22.19	23.00
10	64QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.32	22.39	22.49	23.00
10	64QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	22.22	22.43	22.67	23.00
10	64QAM	1	49	ANT0	Full Power&DSI1&2&3&4&5&6	22.34	22.36	22.59	23.00
10	64QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.17	21.20	21.22	22.00
10	64QAM	25	12	ANT0	Full Power&DSI1&2&3&4&5&6	21.11	21.19	21.24	22.00
10	64QAM	25	25	ANT0	Full Power&DSI1&2&3&4&5&6	21.10	21.30	21.40	22.00
10	64QAM	50	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.32	21.15	21.24	22.00
10	256QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.36	19.41	19.49	20.00
10	256QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	19.07	19.36	19.64	20.00
10	256QAM	1	49	ANT0	Full Power&DSI1&2&3&4&5&6	19.34	19.31	19.39	20.00
10	256QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.32	19.16	19.17	20.00
10	256QAM	25	12	ANT0	Full Power&DSI1&2&3&4&5&6	19.27	19.18	19.21	20.00
10	256QAM	25	25	ANT0	Full Power&DSI1&2&3&4&5&6	19.18	19.39	19.32	20.00
10	256QAM	50	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.38	19.15	19.14	20.00

Band				LTE Band12(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	23017	23095	23173	Tune-up power(dBm)
1.4	QPSK	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	24.38	24.44	24.32	25.00
1.4	QPSK	1	2	ANT0	Full Power&DSI1&2&3&4&5&6	24.34	24.29	24.48	25.00
1.4	QPSK	1	5	ANT0	Full Power&DSI1&2&3&4&5&6	24.38	24.32	24.27	25.00
1.4	QPSK	3	0	ANT0	Full Power&DSI1&2&3&4&5&6	24.24	24.23	24.34	25.00
1.4	QPSK	3	1	ANT0	Full Power&DSI1&2&3&4&5&6	24.43	24.41	24.37	25.00
1.4	QPSK	3	3	ANT0	Full Power&DSI1&2&3&4&5&6	24.42	24.42	24.31	25.00
1.4	QPSK	6	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.22	23.44	23.31	24.00
1.4	16QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.72	23.65	23.52	24.00
1.4	16QAM	1	2	ANT0	Full Power&DSI1&2&3&4&5&6	23.70	23.74	23.34	24.00
1.4	16QAM	1	5	ANT0	Full Power&DSI1&2&3&4&5&6	23.50	23.56	23.48	24.00
1.4	16QAM	3	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.37	23.22	23.43	24.00
1.4	16QAM	3	1	ANT0	Full Power&DSI1&2&3&4&5&6	23.30	23.44	23.27	24.00
1.4	16QAM	3	3	ANT0	Full Power&DSI1&2&3&4&5&6	23.22	23.50	23.47	24.00
1.4	16QAM	6	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.38	22.44	22.22	23.00
1.4	64QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.75	22.79	22.73	23.00
1.4	64QAM	1	2	ANT0	Full Power&DSI1&2&3&4&5&6	22.35	22.88	22.41	23.00
1.4	64QAM	1	5	ANT0	Full Power&DSI1&2&3&4&5&6	22.55	22.58	22.37	23.00
1.4	64QAM	3	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.28	22.25	22.19	23.00
1.4	64QAM	3	1	ANT0	Full Power&DSI1&2&3&4&5&6	22.48	22.26	22.60	23.00
1.4	64QAM	3	3	ANT0	Full Power&DSI1&2&3&4&5&6	22.18	22.35	22.25	23.00
1.4	64QAM	6	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.31	21.37	21.20	22.00
1.4	256QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.60	19.74	19.35	20.00
1.4	256QAM	1	2	ANT0	Full Power&DSI1&2&3&4&5&6	19.65	19.82	19.55	20.00
1.4	256QAM	1	5	ANT0	Full Power&DSI1&2&3&4&5&6	19.62	19.58	19.73	20.00
1.4	256QAM	3	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.47	19.19	19.27	20.00
1.4	256QAM	3	1	ANT0	Full Power&DSI1&2&3&4&5&6	19.30	19.12	19.42	20.00
1.4	256QAM	3	3	ANT0	Full Power&DSI1&2&3&4&5&6	19.31	19.35	19.43	20.00
1.4	256QAM	6	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.29	19.48	19.29	20.00

Band				LTE Band12(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	23025	23095	23165	Tune-up power(dBm)
3	QPSK	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	24.28	24.25	24.45	25.00
3	QPSK	1	7	ANT0	Full Power&DSI1&2&3&4&5&6	24.35	24.40	24.52	25.00
3	QPSK	1	14	ANT0	Full Power&DSI1&2&3&4&5&6	24.18	24.16	24.33	25.00
3	QPSK	8	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.23	23.39	23.13	24.00
3	QPSK	8	3	ANT0	Full Power&DSI1&2&3&4&5&6	23.39	23.44	23.47	24.00
3	QPSK	8	7	ANT0	Full Power&DSI1&2&3&4&5&6	23.42	23.31	23.35	24.00
3	QPSK	15	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.43	23.40	23.39	24.00
3	16QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.51	23.64	23.70	24.00
3	16QAM	1	7	ANT0	Full Power&DSI1&2&3&4&5&6	23.53	23.74	23.57	24.00
3	16QAM	1	14	ANT0	Full Power&DSI1&2&3&4&5&6	23.68	23.66	23.61	24.00
3	16QAM	8	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.29	22.22	22.44	23.00
3	16QAM	8	3	ANT0	Full Power&DSI1&2&3&4&5&6	22.45	22.19	22.32	23.00
3	16QAM	8	7	ANT0	Full Power&DSI1&2&3&4&5&6	22.32	22.35	22.44	23.00
3	16QAM	15	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.21	22.20	22.39	23.00
3	64QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.75	22.67	22.63	23.00
3	64QAM	1	7	ANT0	Full Power&DSI1&2&3&4&5&6	22.53	22.81	22.31	23.00
3	64QAM	1	14	ANT0	Full Power&DSI1&2&3&4&5&6	22.54	22.72	22.43	23.00
3	64QAM	8	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.23	21.25	21.07	22.00
3	64QAM	8	3	ANT0	Full Power&DSI1&2&3&4&5&6	21.25	21.28	21.44	22.00
3	64QAM	8	7	ANT0	Full Power&DSI1&2&3&4&5&6	21.43	21.23	21.44	22.00
3	64QAM	15	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.07	21.33	21.23	22.00
3	256QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.60	19.61	19.48	20.00
3	256QAM	1	7	ANT0	Full Power&DSI1&2&3&4&5&6	19.34	19.96	19.51	20.00
3	256QAM	1	14	ANT0	Full Power&DSI1&2&3&4&5&6	19.68	19.43	19.75	20.00
3	256QAM	8	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.42	19.19	19.19	20.00
3	256QAM	8	3	ANT0	Full Power&DSI1&2&3&4&5&6	19.25	19.25	19.45	20.00
3	256QAM	8	7	ANT0	Full Power&DSI1&2&3&4&5&6	19.25	19.29	19.17	20.00
3	256QAM	15	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.31	19.34	19.24	20.00

Band				LTE Band12(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	23035	23095	23155	Tune-up power(dBm)
5	QPSK	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	24.36	24.21	24.45	25.00
5	QPSK	1	12	ANT0	Full Power&DSI1&2&3&4&5&6	24.50	24.40	24.51	25.00
5	QPSK	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	24.32	24.36	24.32	25.00
5	QPSK	12	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.10	23.41	23.33	24.00
5	QPSK	12	6	ANT0	Full Power&DSI1&2&3&4&5&6	23.28	23.18	23.27	24.00
5	QPSK	12	13	ANT0	Full Power&DSI1&2&3&4&5&6	23.23	23.47	23.41	24.00
5	QPSK	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.33	23.33	23.38	24.00
5	16QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.55	23.60	23.67	24.00
5	16QAM	1	12	ANT0	Full Power&DSI1&2&3&4&5&6	23.53	23.59	23.53	24.00
5	16QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	23.52	23.61	23.52	24.00
5	16QAM	12	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.38	22.28	22.14	23.00
5	16QAM	12	6	ANT0	Full Power&DSI1&2&3&4&5&6	22.47	22.39	22.48	23.00
5	16QAM	12	13	ANT0	Full Power&DSI1&2&3&4&5&6	22.46	22.23	22.28	23.00
5	16QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.21	22.40	22.37	23.00
5	64QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.75	22.80	22.66	23.00
5	64QAM	1	12	ANT0	Full Power&DSI1&2&3&4&5&6	22.53	22.88	22.37	23.00
5	64QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	22.48	22.56	22.56	23.00
5	64QAM	12	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.22	21.09	21.34	22.00
5	64QAM	12	6	ANT0	Full Power&DSI1&2&3&4&5&6	21.21	21.32	21.45	22.00
5	64QAM	12	13	ANT0	Full Power&DSI1&2&3&4&5&6	21.46	21.38	21.29	22.00
5	64QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.10	21.32	21.18	22.00
5	256QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.69	19.69	19.44	20.00
5	256QAM	1	12	ANT0	Full Power&DSI1&2&3&4&5&6	19.54	19.83	19.35	20.00
5	256QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	19.62	19.39	19.72	20.00
5	256QAM	12	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.34	19.09	19.22	20.00
5	256QAM	12	6	ANT0	Full Power&DSI1&2&3&4&5&6	19.26	19.30	19.57	20.00
5	256QAM	12	13	ANT0	Full Power&DSI1&2&3&4&5&6	19.19	19.29	19.25	20.00
5	256QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.21	19.25	19.05	20.00

Band				LTE Band12(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	23060	23095	23130	Tune-up power(dBm)
10	QPSK	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	24.31	24.36	24.42	25.00
10	QPSK	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	24.36	24.37	24.37	25.00
10	QPSK	1	49	ANT0	Full Power&DSI1&2&3&4&5&6	24.24	24.36	24.31	25.00
10	QPSK	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.23	23.25	23.31	24.00
10	QPSK	25	12	ANT0	Full Power&DSI1&2&3&4&5&6	23.34	23.25	23.29	24.00
10	QPSK	25	25	ANT0	Full Power&DSI1&2&3&4&5&6	23.41	23.40	23.31	24.00
10	QPSK	50	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.32	23.32	23.38	24.00
10	16QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.61	23.61	23.59	24.00
10	16QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	23.59	23.68	23.52	24.00
10	16QAM	1	49	ANT0	Full Power&DSI1&2&3&4&5&6	23.61	23.61	23.45	24.00
10	16QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.27	22.27	22.25	23.00
10	16QAM	25	12	ANT0	Full Power&DSI1&2&3&4&5&6	22.37	22.32	22.32	23.00
10	16QAM	25	25	ANT0	Full Power&DSI1&2&3&4&5&6	22.34	22.32	22.34	23.00
10	16QAM	50	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.38	22.24	22.35	23.00
10	64QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.69	22.68	22.61	23.00
10	64QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	22.44	22.76	22.37	23.00
10	64QAM	1	49	ANT0	Full Power&DSI1&2&3&4&5&6	22.58	22.58	22.48	23.00
10	64QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.26	21.20	21.21	22.00
10	64QAM	25	12	ANT0	Full Power&DSI1&2&3&4&5&6	21.39	21.37	21.43	22.00
10	64QAM	25	25	ANT0	Full Power&DSI1&2&3&4&5&6	21.35	21.30	21.31	22.00
10	64QAM	50	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.19	21.28	21.24	22.00
10	256QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.56	19.77	19.42	20.00
10	256QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	19.43	19.88	19.41	20.00
10	256QAM	1	49	ANT0	Full Power&DSI1&2&3&4&5&6	19.59	19.54	19.64	20.00
10	256QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.34	19.16	19.18	20.00
10	256QAM	25	12	ANT0	Full Power&DSI1&2&3&4&5&6	19.35	19.27	19.44	20.00
10	256QAM	25	25	ANT0	Full Power&DSI1&2&3&4&5&6	19.25	19.31	19.30	20.00
10	256QAM	50	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.25	19.37	19.23	20.00

Band				LTE Band14(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	23305	23330	23355	Tune-up power(dBm)
5	QPSK	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	24.10	24.18	24.19	25.00
5	QPSK	1	12	ANT0	Full Power&DSI1&2&3&4&5&6	24.24	24.17	24.10	25.00
5	QPSK	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	24.16	24.14	24.21	25.00
5	QPSK	12	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.19	23.16	23.22	24.00
5	QPSK	12	6	ANT0	Full Power&DSI1&2&3&4&5&6	23.13	23.21	23.17	24.00
5	QPSK	12	13	ANT0	Full Power&DSI1&2&3&4&5&6	23.22	23.23	23.20	24.00
5	QPSK	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.22	23.22	23.27	24.00
5	16QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.19	23.13	23.17	24.00
5	16QAM	1	12	ANT0	Full Power&DSI1&2&3&4&5&6	23.20	23.23	23.19	24.00
5	16QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	23.21	23.23	23.20	24.00
5	16QAM	12	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.22	22.20	22.20	23.00
5	16QAM	12	6	ANT0	Full Power&DSI1&2&3&4&5&6	22.10	22.29	22.16	23.00
5	16QAM	12	13	ANT0	Full Power&DSI1&2&3&4&5&6	22.15	22.18	22.16	23.00
5	16QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.20	22.25	22.16	23.00
5	64QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.23	22.16	22.26	23.00
5	64QAM	1	12	ANT0	Full Power&DSI1&2&3&4&5&6	22.13	22.17	22.16	23.00
5	64QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	22.20	22.14	22.21	23.00
5	64QAM	12	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.18	21.18	21.20	22.00
5	64QAM	12	6	ANT0	Full Power&DSI1&2&3&4&5&6	21.24	21.19	21.16	22.00
5	64QAM	12	13	ANT0	Full Power&DSI1&2&3&4&5&6	21.20	21.23	21.18	22.00
5	64QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.21	21.22	21.24	22.00
5	256QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.23	19.16	19.26	20.00
5	256QAM	1	12	ANT0	Full Power&DSI1&2&3&4&5&6	19.27	19.23	19.19	20.00
5	256QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	19.22	19.25	19.19	20.00
5	256QAM	12	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.25	19.23	19.21	20.00
5	256QAM	12	6	ANT0	Full Power&DSI1&2&3&4&5&6	19.19	19.19	19.22	20.00
5	256QAM	12	13	ANT0	Full Power&DSI1&2&3&4&5&6	19.24	19.14	19.25	20.00
5	256QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.14	19.27	19.19	20.00

Band				LTE Band14(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	/	23330	/	Tune-up power(dBm)
10	QPSK	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	/	24.13	/	25.00
10	QPSK	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	/	24.19	/	25.00
10	QPSK	1	49	ANT0	Full Power&DSI1&2&3&4&5&6	/	24.16	/	25.00
10	QPSK	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	/	23.17	/	24.00
10	QPSK	25	12	ANT0	Full Power&DSI1&2&3&4&5&6	/	23.21	/	24.00
10	QPSK	25	25	ANT0	Full Power&DSI1&2&3&4&5&6	/	23.28	/	24.00
10	QPSK	50	0	ANT0	Full Power&DSI1&2&3&4&5&6	/	23.27	/	24.00
10	16QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	/	23.22	/	24.00
10	16QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	/	23.25	/	24.00
10	16QAM	1	49	ANT0	Full Power&DSI1&2&3&4&5&6	/	23.19	/	24.00
10	16QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	/	22.21	/	23.00
10	16QAM	25	12	ANT0	Full Power&DSI1&2&3&4&5&6	/	22.27	/	23.00
10	16QAM	25	25	ANT0	Full Power&DSI1&2&3&4&5&6	/	22.25	/	23.00
10	16QAM	50	0	ANT0	Full Power&DSI1&2&3&4&5&6	/	22.15	/	23.00
10	64QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	/	22.18	/	23.00
10	64QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	/	22.22	/	23.00
10	64QAM	1	49	ANT0	Full Power&DSI1&2&3&4&5&6	/	22.18	/	23.00
10	64QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	/	21.21	/	22.00
10	64QAM	25	12	ANT0	Full Power&DSI1&2&3&4&5&6	/	21.19	/	22.00
10	64QAM	25	25	ANT0	Full Power&DSI1&2&3&4&5&6	/	21.21	/	22.00
10	64QAM	50	0	ANT0	Full Power&DSI1&2&3&4&5&6	/	21.27	/	22.00
10	256QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	/	19.12	/	20.00
10	256QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	/	19.15	/	20.00
10	256QAM	1	49	ANT0	Full Power&DSI1&2&3&4&5&6	/	19.21	/	20.00
10	256QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	/	19.15	/	20.00
10	256QAM	25	12	ANT0	Full Power&DSI1&2&3&4&5&6	/	19.21	/	20.00
10	256QAM	25	25	ANT0	Full Power&DSI1&2&3&4&5&6	/	19.24	/	20.00
10	256QAM	50	0	ANT0	Full Power&DSI1&2&3&4&5&6	/	19.18	/	20.00

Band				LTE Band30(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	27685	27710	27735	Tune-up power(dBm)
5	QPSK	1	0	ANT4	Full Power&DSI1&2&3	22.56	22.54	22.58	23.00
5	QPSK	1	12	ANT4	Full Power&DSI1&2&3	22.60	22.50	22.66	23.00
5	QPSK	1	24	ANT4	Full Power&DSI1&2&3	22.58	22.53	22.55	23.00
5	QPSK	12	0	ANT4	Full Power&DSI1&2&3	21.54	21.60	21.65	22.00
5	QPSK	12	6	ANT4	Full Power&DSI1&2&3	21.64	21.62	21.60	22.00
5	QPSK	12	13	ANT4	Full Power&DSI1&2&3	21.56	21.56	21.54	22.00
5	QPSK	25	0	ANT4	Full Power&DSI1&2&3	21.59	21.66	21.51	22.00
5	16QAM	1	0	ANT4	Full Power&DSI1&2&3	21.61	21.61	21.69	22.00
5	16QAM	1	12	ANT4	Full Power&DSI1&2&3	21.53	21.55	21.56	22.00
5	16QAM	1	24	ANT4	Full Power&DSI1&2&3	21.64	21.64	21.61	22.00
5	16QAM	12	0	ANT4	Full Power&DSI1&2&3	20.51	20.61	20.59	21.00
5	16QAM	12	6	ANT4	Full Power&DSI1&2&3	20.60	20.51	20.59	21.00
5	16QAM	12	13	ANT4	Full Power&DSI1&2&3	20.66	20.63	20.70	21.00
5	16QAM	25	0	ANT4	Full Power&DSI1&2&3	20.65	20.53	20.63	21.00
5	64QAM	1	0	ANT4	Full Power&DSI1&2&3	20.48	20.54	20.61	21.00
5	64QAM	1	12	ANT4	Full Power&DSI1&2&3	20.58	20.59	20.68	21.00
5	64QAM	1	24	ANT4	Full Power&DSI1&2&3	20.53	20.61	20.69	21.00
5	64QAM	12	0	ANT4	Full Power&DSI1&2&3	19.49	19.51	19.55	20.00
5	64QAM	12	6	ANT4	Full Power&DSI1&2&3	19.60	19.54	19.55	20.00
5	64QAM	12	13	ANT4	Full Power&DSI1&2&3	19.46	19.55	19.60	20.00
5	64QAM	25	0	ANT4	Full Power&DSI1&2&3	19.58	19.69	19.57	20.00
5	256QAM	1	0	ANT4	Full Power&DSI1&2&3	17.70	17.54	17.56	18.00
5	256QAM	1	12	ANT4	Full Power&DSI1&2&3	17.51	17.53	17.56	18.00
5	256QAM	1	24	ANT4	Full Power&DSI1&2&3	17.52	17.60	17.45	18.00
5	256QAM	12	0	ANT4	Full Power&DSI1&2&3	17.64	17.50	17.55	18.00
5	256QAM	12	6	ANT4	Full Power&DSI1&2&3	17.53	17.45	17.53	18.00
5	256QAM	12	13	ANT4	Full Power&DSI1&2&3	17.51	17.58	17.59	18.00
5	256QAM	25	0	ANT4	Full Power&DSI1&2&3	17.57	17.58	17.56	18.00

Band				LTE Band30(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	/	27710	/	Tune-up power(dBm)
10	QPSK	1	0	ANT4	Full Power&DSI1&2&3	/	22.58	/	23.00
10	QPSK	1	24	ANT4	Full Power&DSI1&2&3	/	22.52	/	23.00
10	QPSK	1	49	ANT4	Full Power&DSI1&2&3	/	22.67	/	23.00
10	QPSK	25	0	ANT4	Full Power&DSI1&2&3	/	21.59	/	22.00
10	QPSK	25	12	ANT4	Full Power&DSI1&2&3	/	21.60	/	22.00
10	QPSK	25	25	ANT4	Full Power&DSI1&2&3	/	21.54	/	22.00
10	QPSK	50	0	ANT4	Full Power&DSI1&2&3	/	21.65	/	22.00
10	16QAM	1	0	ANT4	Full Power&DSI1&2&3	/	21.67	/	22.00
10	16QAM	1	24	ANT4	Full Power&DSI1&2&3	/	21.64	/	22.00
10	16QAM	1	49	ANT4	Full Power&DSI1&2&3	/	21.47	/	22.00
10	16QAM	25	0	ANT4	Full Power&DSI1&2&3	/	20.63	/	21.00
10	16QAM	25	12	ANT4	Full Power&DSI1&2&3	/	20.51	/	21.00
10	16QAM	25	25	ANT4	Full Power&DSI1&2&3	/	20.57	/	21.00
10	16QAM	50	0	ANT4	Full Power&DSI1&2&3	/	20.52	/	21.00
10	64QAM	1	0	ANT4	Full Power&DSI1&2&3	/	20.63	/	21.00
10	64QAM	1	24	ANT4	Full Power&DSI1&2&3	/	20.55	/	21.00
10	64QAM	1	49	ANT4	Full Power&DSI1&2&3	/	20.69	/	21.00
10	64QAM	25	0	ANT4	Full Power&DSI1&2&3	/	19.58	/	20.00
10	64QAM	25	12	ANT4	Full Power&DSI1&2&3	/	19.57	/	20.00
10	64QAM	25	25	ANT4	Full Power&DSI1&2&3	/	19.59	/	20.00
10	64QAM	50	0	ANT4	Full Power&DSI1&2&3	/	19.58	/	20.00
10	256QAM	1	0	ANT4	Full Power&DSI1&2&3	/	17.56	/	18.00
10	256QAM	1	24	ANT4	Full Power&DSI1&2&3	/	17.62	/	18.00
10	256QAM	1	49	ANT4	Full Power&DSI1&2&3	/	17.68	/	18.00
10	256QAM	25	0	ANT4	Full Power&DSI1&2&3	/	17.49	/	18.00
10	256QAM	25	12	ANT4	Full Power&DSI1&2&3	/	17.56	/	18.00
10	256QAM	25	25	ANT4	Full Power&DSI1&2&3	/	17.51	/	18.00
10	256QAM	50	0	ANT4	Full Power&DSI1&2&3	/	17.51	/	18.00

Band				LTE Band30(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	27685	27710	27735	Tune-up power(dBm)
5	QPSK	1	0	ANT4	DSI14	18.40	18.52	18.50	19.00
5	QPSK	1	12	ANT4	DSI14	18.59	18.42	18.53	19.00
5	QPSK	1	24	ANT4	DSI14	18.43	18.48	18.57	19.00
5	QPSK	12	0	ANT4	DSI14	18.43	18.42	18.50	19.00
5	QPSK	12	6	ANT4	DSI14	18.57	18.42	18.42	19.00
5	QPSK	12	13	ANT4	DSI14	18.45	18.44	18.52	19.00
5	QPSK	25	0	ANT4	DSI14	18.60	18.42	18.41	19.00
5	16QAM	1	0	ANT4	DSI14	18.58	18.41	18.47	19.00
5	16QAM	1	12	ANT4	DSI14	18.51	18.49	18.43	19.00
5	16QAM	1	24	ANT4	DSI14	18.56	18.56	18.43	19.00
5	16QAM	12	0	ANT4	DSI14	18.48	18.43	18.51	19.00
5	16QAM	12	6	ANT4	DSI14	18.44	18.54	18.45	19.00
5	16QAM	12	13	ANT4	DSI14	18.56	18.53	18.40	19.00
5	16QAM	25	0	ANT4	DSI14	18.42	18.52	18.60	19.00
5	64QAM	1	0	ANT4	DSI14	18.42	18.51	18.59	19.00
5	64QAM	1	12	ANT4	DSI14	18.59	18.49	18.43	19.00
5	64QAM	1	24	ANT4	DSI14	18.58	18.40	18.51	19.00
5	64QAM	12	0	ANT4	DSI14	18.51	18.52	18.56	19.00
5	64QAM	12	6	ANT4	DSI14	18.45	18.53	18.58	19.00
5	64QAM	12	13	ANT4	DSI14	18.59	18.53	18.46	19.00
5	64QAM	25	0	ANT4	DSI14	18.51	18.41	18.56	19.00
5	256QAM	1	0	ANT4	DSI14	18.50	18.42	18.58	19.00
5	256QAM	1	12	ANT4	DSI14	18.40	18.60	18.50	19.00
5	256QAM	1	24	ANT4	DSI14	18.41	18.56	18.53	19.00
5	256QAM	12	0	ANT4	DSI14	18.44	18.44	18.44	19.00
5	256QAM	12	6	ANT4	DSI14	18.43	18.49	18.57	19.00
5	256QAM	12	13	ANT4	DSI14	18.41	18.59	18.55	19.00
5	256QAM	25	0	ANT4	DSI14	18.49	18.60	18.40	19.00

Band				LTE Band30(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	/	27710	/	Tune-up power(dBm)
10	QPSK	1	0	ANT4	DSI14	/	18.56	/	19.00
10	QPSK	1	24	ANT4	DSI14	/	18.43	/	19.00
10	QPSK	1	49	ANT4	DSI14	/	18.49	/	19.00
10	QPSK	25	0	ANT4	DSI14	/	18.53	/	19.00
10	QPSK	25	12	ANT4	DSI14	/	18.55	/	19.00
10	QPSK	25	25	ANT4	DSI14	/	18.54	/	19.00
10	QPSK	50	0	ANT4	DSI14	/	18.52	/	19.00
10	16QAM	1	0	ANT4	DSI14	/	18.45	/	19.00
10	16QAM	1	24	ANT4	DSI14	/	18.55	/	19.00
10	16QAM	1	49	ANT4	DSI14	/	18.50	/	19.00
10	16QAM	25	0	ANT4	DSI14	/	18.53	/	19.00
10	16QAM	25	12	ANT4	DSI14	/	18.55	/	19.00
10	16QAM	25	25	ANT4	DSI14	/	18.60	/	19.00
10	16QAM	50	0	ANT4	DSI14	/	18.53	/	19.00
10	64QAM	1	0	ANT4	DSI14	/	18.43	/	19.00
10	64QAM	1	24	ANT4	DSI14	/	18.51	/	19.00
10	64QAM	1	49	ANT4	DSI14	/	18.53	/	19.00
10	64QAM	25	0	ANT4	DSI14	/	18.43	/	19.00
10	64QAM	25	12	ANT4	DSI14	/	18.51	/	19.00
10	64QAM	25	25	ANT4	DSI14	/	18.48	/	19.00
10	64QAM	50	0	ANT4	DSI14	/	18.56	/	19.00
10	256QAM	1	0	ANT4	DSI14	/	18.49	/	19.00
10	256QAM	1	24	ANT4	DSI14	/	18.46	/	19.00
10	256QAM	1	49	ANT4	DSI14	/	18.52	/	19.00
10	256QAM	25	0	ANT4	DSI14	/	18.49	/	19.00
10	256QAM	25	12	ANT4	DSI14	/	18.48	/	19.00
10	256QAM	25	25	ANT4	DSI14	/	18.51	/	19.00
10	256QAM	50	0	ANT4	DSI14	/	18.40	/	19.00

Band				LTE Band30(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	27685	27710	27735	Tune-up power(dBm)
5	QPSK	1	0	ANT4	DSI5&6	16.49	16.42	16.57	17.50
5	QPSK	1	12	ANT4	DSI5&6	16.59	16.46	16.57	17.50
5	QPSK	1	24	ANT4	DSI5&6	16.46	16.40	16.44	17.50
5	QPSK	12	0	ANT4	DSI5&6	16.50	16.48	16.57	17.50
5	QPSK	12	6	ANT4	DSI5&6	16.56	16.50	16.42	17.50
5	QPSK	12	13	ANT4	DSI5&6	16.56	16.44	16.53	17.50
5	QPSK	25	0	ANT4	DSI5&6	16.53	16.41	16.42	17.50
5	16QAM	1	0	ANT4	DSI5&6	16.60	16.56	16.60	17.50
5	16QAM	1	12	ANT4	DSI5&6	16.50	16.50	16.43	17.50
5	16QAM	1	24	ANT4	DSI5&6	16.50	16.52	16.54	17.50
5	16QAM	12	0	ANT4	DSI5&6	16.59	16.55	16.40	17.50
5	16QAM	12	6	ANT4	DSI5&6	16.50	16.54	16.60	17.50
5	16QAM	12	13	ANT4	DSI5&6	16.52	16.54	16.50	17.50
5	16QAM	25	0	ANT4	DSI5&6	16.57	16.46	16.53	17.50
5	64QAM	1	0	ANT4	DSI5&6	16.58	16.51	16.50	17.50
5	64QAM	1	12	ANT4	DSI5&6	16.47	16.48	16.56	17.50
5	64QAM	1	24	ANT4	DSI5&6	16.56	16.48	16.45	17.50
5	64QAM	12	0	ANT4	DSI5&6	16.53	16.58	16.45	17.50
5	64QAM	12	6	ANT4	DSI5&6	16.42	16.49	16.59	17.50
5	64QAM	12	13	ANT4	DSI5&6	16.49	16.58	16.44	17.50
5	64QAM	25	0	ANT4	DSI5&6	16.47	16.41	16.52	17.50
5	256QAM	1	0	ANT4	DSI5&6	16.51	16.59	16.42	17.50
5	256QAM	1	12	ANT4	DSI5&6	16.44	16.52	16.59	17.50
5	256QAM	1	24	ANT4	DSI5&6	16.53	16.46	16.59	17.50
5	256QAM	12	0	ANT4	DSI5&6	16.53	16.43	16.49	17.50
5	256QAM	12	6	ANT4	DSI5&6	16.59	16.60	16.52	17.50
5	256QAM	12	13	ANT4	DSI5&6	16.57	16.41	16.54	17.50
5	256QAM	25	0	ANT4	DSI5&6	16.56	16.50	16.44	17.50

Band				LTE Band30(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	/	27710	/	Tune-up power(dBm)
10	QPSK	1	0	ANT4	DSI5&6	/	16.58	/	17.50
10	QPSK	1	24	ANT4	DSI5&6	/	16.40	/	17.50
10	QPSK	1	49	ANT4	DSI5&6	/	16.57	/	17.50
10	QPSK	25	0	ANT4	DSI5&6	/	16.42	/	17.50
10	QPSK	25	12	ANT4	DSI5&6	/	16.47	/	17.50
10	QPSK	25	25	ANT4	DSI5&6	/	16.47	/	17.50
10	QPSK	50	0	ANT4	DSI5&6	/	16.52	/	17.50
10	16QAM	1	0	ANT4	DSI5&6	/	16.45	/	17.50
10	16QAM	1	24	ANT4	DSI5&6	/	16.60	/	17.50
10	16QAM	1	49	ANT4	DSI5&6	/	16.43	/	17.50
10	16QAM	25	0	ANT4	DSI5&6	/	16.58	/	17.50
10	16QAM	25	12	ANT4	DSI5&6	/	16.56	/	17.50
10	16QAM	25	25	ANT4	DSI5&6	/	16.49	/	17.50
10	16QAM	50	0	ANT4	DSI5&6	/	16.40	/	17.50
10	64QAM	1	0	ANT4	DSI5&6	/	16.55	/	17.50
10	64QAM	1	24	ANT4	DSI5&6	/	16.51	/	17.50
10	64QAM	1	49	ANT4	DSI5&6	/	16.42	/	17.50
10	64QAM	25	0	ANT4	DSI5&6	/	16.45	/	17.50
10	64QAM	25	12	ANT4	DSI5&6	/	16.49	/	17.50
10	64QAM	25	25	ANT4	DSI5&6	/	16.40	/	17.50
10	64QAM	50	0	ANT4	DSI5&6	/	16.47	/	17.50
10	256QAM	1	0	ANT4	DSI5&6	/	16.59	/	17.50
10	256QAM	1	24	ANT4	DSI5&6	/	16.55	/	17.50
10	256QAM	1	49	ANT4	DSI5&6	/	16.43	/	17.50
10	256QAM	25	0	ANT4	DSI5&6	/	16.56	/	17.50
10	256QAM	25	12	ANT4	DSI5&6	/	16.45	/	17.50
10	256QAM	25	25	ANT4	DSI5&6	/	16.41	/	17.50
10	256QAM	50	0	ANT4	DSI5&6	/	16.49	/	17.50

Band				LTE Band66(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	131979	132322	132665	Tune-up power(dBm)
1.4	QPSK	1	0	ANT4	Full Power	23.75	23.74	23.68	24.50
1.4	QPSK	1	2	ANT4	Full Power	23.81	23.79	23.76	24.50
1.4	QPSK	1	5	ANT4	Full Power	23.68	23.71	23.78	24.50
1.4	QPSK	3	0	ANT4	Full Power	23.76	23.70	23.69	24.50
1.4	QPSK	3	1	ANT4	Full Power	23.80	23.77	23.75	24.50
1.4	QPSK	3	3	ANT4	Full Power	23.76	23.65	23.79	24.50
1.4	QPSK	6	0	ANT4	Full Power	22.77	22.77	22.79	23.50
1.4	16QAM	1	0	ANT4	Full Power	22.72	22.80	22.65	23.50
1.4	16QAM	1	2	ANT4	Full Power	22.81	22.74	22.75	23.50
1.4	16QAM	1	5	ANT4	Full Power	22.80	22.81	22.71	23.50
1.4	16QAM	3	0	ANT4	Full Power	22.77	22.73	22.78	23.50
1.4	16QAM	3	1	ANT4	Full Power	22.78	22.75	22.82	23.50
1.4	16QAM	3	3	ANT4	Full Power	22.77	22.76	22.74	23.50
1.4	16QAM	6	0	ANT4	Full Power	21.72	21.75	21.79	22.50
1.4	64QAM	1	0	ANT4	Full Power	21.73	21.67	21.77	22.50
1.4	64QAM	1	2	ANT4	Full Power	21.80	21.71	21.69	22.50
1.4	64QAM	1	5	ANT4	Full Power	21.76	21.77	21.81	22.50
1.4	64QAM	3	0	ANT4	Full Power	21.75	21.70	21.75	22.50
1.4	64QAM	3	1	ANT4	Full Power	21.75	21.74	21.78	22.50
1.4	64QAM	3	3	ANT4	Full Power	21.73	21.76	21.74	22.50
1.4	64QAM	6	0	ANT4	Full Power	20.77	20.76	20.68	21.50
1.4	256QAM	1	0	ANT4	Full Power	18.72	18.78	18.77	19.50
1.4	256QAM	1	2	ANT4	Full Power	18.72	18.72	18.73	19.50
1.4	256QAM	1	5	ANT4	Full Power	18.73	18.72	18.74	19.50
1.4	256QAM	3	0	ANT4	Full Power	18.73	18.68	18.78	19.50
1.4	256QAM	3	1	ANT4	Full Power	18.71	18.82	18.75	19.50
1.4	256QAM	3	3	ANT4	Full Power	18.71	18.74	18.71	19.50
1.4	256QAM	6	0	ANT4	Full Power	18.72	18.70	18.72	19.50

Band				LTE Band66(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	131987	132322	132657	Tune-up power(dBm)
3	QPSK	1	0	ANT4	Full Power	23.90	23.87	23.86	24.50
3	QPSK	1	7	ANT4	Full Power	23.75	23.78	23.78	24.50
3	QPSK	1	14	ANT4	Full Power	23.80	23.81	23.68	24.50
3	QPSK	8	0	ANT4	Full Power	22.68	22.75	22.84	23.50
3	QPSK	8	3	ANT4	Full Power	22.77	22.72	22.68	23.50
3	QPSK	8	7	ANT4	Full Power	22.81	22.75	22.83	23.50
3	QPSK	15	0	ANT4	Full Power	22.74	22.83	22.71	23.50
3	16QAM	1	0	ANT4	Full Power	22.70	22.77	22.79	23.50
3	16QAM	1	7	ANT4	Full Power	22.71	22.83	22.73	23.50
3	16QAM	1	14	ANT4	Full Power	22.81	22.78	22.84	23.50
3	16QAM	8	0	ANT4	Full Power	21.78	21.73	21.76	22.50
3	16QAM	8	3	ANT4	Full Power	21.68	21.67	21.84	22.50
3	16QAM	8	7	ANT4	Full Power	21.79	21.82	21.78	22.50
3	16QAM	15	0	ANT4	Full Power	21.74	21.79	21.77	22.50
3	64QAM	1	0	ANT4	Full Power	21.76	21.69	21.75	22.50
3	64QAM	1	7	ANT4	Full Power	21.78	21.78	21.64	22.50
3	64QAM	1	14	ANT4	Full Power	21.62	21.73	21.85	22.50
3	64QAM	8	0	ANT4	Full Power	20.75	20.65	20.76	21.50
3	64QAM	8	3	ANT4	Full Power	20.83	20.74	20.77	21.50
3	64QAM	8	7	ANT4	Full Power	20.76	20.75	20.71	21.50
3	64QAM	15	0	ANT4	Full Power	20.77	20.80	20.72	21.50
3	256QAM	1	0	ANT4	Full Power	18.85	18.77	18.76	19.50
3	256QAM	1	7	ANT4	Full Power	18.67	18.80	18.73	19.50
3	256QAM	1	14	ANT4	Full Power	18.71	18.71	18.68	19.50
3	256QAM	8	0	ANT4	Full Power	18.68	18.70	18.68	19.50
3	256QAM	8	3	ANT4	Full Power	18.80	18.80	18.66	19.50
3	256QAM	8	7	ANT4	Full Power	18.78	18.67	18.76	19.50
3	256QAM	15	0	ANT4	Full Power	18.75	18.74	18.82	19.50

Band				LTE Band66(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	131997	132322	132647	Tune-up power(dBm)
5	QPSK	1	0	ANT4	Full Power	23.90	23.89	23.90	24.50
5	QPSK	1	12	ANT4	Full Power	23.70	23.80	23.77	24.50
5	QPSK	1	24	ANT4	Full Power	23.73	23.77	23.78	24.50
5	QPSK	12	0	ANT4	Full Power	22.65	22.76	22.76	23.50
5	QPSK	12	6	ANT4	Full Power	22.77	22.72	22.70	23.50
5	QPSK	12	13	ANT4	Full Power	22.75	22.77	22.83	23.50
5	QPSK	25	0	ANT4	Full Power	22.70	22.84	22.77	23.50
5	16QAM	1	0	ANT4	Full Power	22.75	22.76	22.77	23.50
5	16QAM	1	12	ANT4	Full Power	22.79	22.76	22.79	23.50
5	16QAM	1	24	ANT4	Full Power	22.78	22.74	22.75	23.50
5	16QAM	12	0	ANT4	Full Power	21.70	21.78	21.82	22.50
5	16QAM	12	6	ANT4	Full Power	21.73	21.72	21.82	22.50
5	16QAM	12	13	ANT4	Full Power	21.85	21.75	21.73	22.50
5	16QAM	25	0	ANT4	Full Power	21.76	21.73	21.68	22.50
5	64QAM	1	0	ANT4	Full Power	21.73	21.69	21.75	22.50
5	64QAM	1	12	ANT4	Full Power	21.80	21.72	21.62	22.50
5	64QAM	1	24	ANT4	Full Power	21.67	21.68	21.80	22.50
5	64QAM	12	0	ANT4	Full Power	20.83	20.65	20.80	21.50
5	64QAM	12	6	ANT4	Full Power	20.77	20.73	20.79	21.50
5	64QAM	12	13	ANT4	Full Power	20.74	20.71	20.63	21.50
5	64QAM	25	0	ANT4	Full Power	20.76	20.86	20.67	21.50
5	256QAM	1	0	ANT4	Full Power	18.86	18.69	18.73	19.50
5	256QAM	1	12	ANT4	Full Power	18.63	18.78	18.79	19.50
5	256QAM	1	24	ANT4	Full Power	18.79	18.69	18.70	19.50
5	256QAM	12	0	ANT4	Full Power	18.66	18.67	18.68	19.50
5	256QAM	12	6	ANT4	Full Power	18.75	18.81	18.70	19.50
5	256QAM	12	13	ANT4	Full Power	18.85	18.67	18.84	19.50
5	256QAM	25	0	ANT4	Full Power	18.70	18.79	18.80	19.50

Band				LTE Band66(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	132022	132322	132622	Tune-up power(dBm)
10	QPSK	1	0	ANT4	Full Power	23.86	23.94	23.83	24.50
10	QPSK	1	24	ANT4	Full Power	23.67	23.82	23.80	24.50
10	QPSK	1	49	ANT4	Full Power	23.77	23.77	23.73	24.50
10	QPSK	25	0	ANT4	Full Power	22.72	22.75	22.85	23.50
10	QPSK	25	12	ANT4	Full Power	22.80	22.77	22.75	23.50
10	QPSK	25	25	ANT4	Full Power	22.79	22.80	22.80	23.50
10	QPSK	50	0	ANT4	Full Power	22.69	22.81	22.80	23.50
10	16QAM	1	0	ANT4	Full Power	22.71	22.77	22.80	23.50
10	16QAM	1	24	ANT4	Full Power	22.76	22.82	22.75	23.50
10	16QAM	1	49	ANT4	Full Power	22.77	22.80	22.79	23.50
10	16QAM	25	0	ANT4	Full Power	21.73	21.77	21.79	22.50
10	16QAM	25	12	ANT4	Full Power	21.69	21.73	21.82	22.50
10	16QAM	25	25	ANT4	Full Power	21.82	21.76	21.77	22.50
10	16QAM	50	0	ANT4	Full Power	21.77	21.74	21.71	22.50
10	64QAM	1	0	ANT4	Full Power	21.73	21.72	21.73	22.50
10	64QAM	1	24	ANT4	Full Power	21.85	21.78	21.62	22.50
10	64QAM	1	49	ANT4	Full Power	21.70	21.67	21.77	22.50
10	64QAM	25	0	ANT4	Full Power	20.78	20.73	20.77	21.50
10	64QAM	25	12	ANT4	Full Power	20.75	20.69	20.80	21.50
10	64QAM	25	25	ANT4	Full Power	20.77	20.78	20.62	21.50
10	64QAM	50	0	ANT4	Full Power	20.74	20.79	20.71	21.50
10	256QAM	1	0	ANT4	Full Power	18.86	18.70	18.77	19.50
10	256QAM	1	24	ANT4	Full Power	18.64	18.74	18.72	19.50
10	256QAM	1	49	ANT4	Full Power	18.79	18.72	18.73	19.50
10	256QAM	25	0	ANT4	Full Power	18.74	18.69	18.71	19.50
10	256QAM	25	12	ANT4	Full Power	18.72	18.85	18.71	19.50
10	256QAM	25	25	ANT4	Full Power	18.81	18.71	18.76	19.50
10	256QAM	50	0	ANT4	Full Power	18.67	18.83	18.76	19.50

Band				LTE Band66(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	132047	132322	132597	Tune-up power(dBm)
15	QPSK	1	0	ANT4	Full Power	23.82	23.96	23.89	24.50
15	QPSK	1	37	ANT4	Full Power	23.76	23.73	23.72	24.50
15	QPSK	1	74	ANT4	Full Power	23.75	23.77	23.68	24.50
15	QPSK	36	0	ANT4	Full Power	22.65	22.82	22.84	23.50
15	QPSK	36	19	ANT4	Full Power	22.70	22.80	22.73	23.50
15	QPSK	36	39	ANT4	Full Power	22.81	22.72	22.82	23.50
15	QPSK	75	0	ANT4	Full Power	22.72	22.86	22.74	23.50
15	16QAM	1	0	ANT4	Full Power	22.74	22.76	22.75	23.50
15	16QAM	1	37	ANT4	Full Power	22.71	22.82	22.79	23.50
15	16QAM	1	74	ANT4	Full Power	22.80	22.74	22.78	23.50
15	16QAM	36	0	ANT4	Full Power	21.71	21.74	21.83	22.50
15	16QAM	36	19	ANT4	Full Power	21.67	21.65	21.82	22.50
15	16QAM	36	39	ANT4	Full Power	21.81	21.82	21.76	22.50
15	16QAM	75	0	ANT4	Full Power	21.82	21.80	21.72	22.50
15	64QAM	1	0	ANT4	Full Power	21.82	21.76	21.74	22.50
15	64QAM	1	37	ANT4	Full Power	21.76	21.72	21.67	22.50
15	64QAM	1	74	ANT4	Full Power	21.70	21.70	21.81	22.50
15	64QAM	36	0	ANT4	Full Power	20.80	20.70	20.82	21.50
15	64QAM	36	19	ANT4	Full Power	20.75	20.69	20.78	21.50
15	64QAM	36	39	ANT4	Full Power	20.79	20.75	20.71	21.50
15	64QAM	75	0	ANT4	Full Power	20.76	20.87	20.72	21.50
15	256QAM	1	0	ANT4	Full Power	18.79	18.74	18.72	19.50
15	256QAM	1	37	ANT4	Full Power	18.62	18.78	18.79	19.50
15	256QAM	1	74	ANT4	Full Power	18.80	18.74	18.71	19.50
15	256QAM	36	0	ANT4	Full Power	18.69	18.66	18.76	19.50
15	256QAM	36	19	ANT4	Full Power	18.79	18.81	18.67	19.50
15	256QAM	36	39	ANT4	Full Power	18.79	18.64	18.83	19.50
15	256QAM	75	0	ANT4	Full Power	18.72	18.82	18.84	19.50

Band				LTE Band66(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	132072	132322	132572	Tune-up power(dBm)
20	QPSK	1	0	ANT4	Full Power	23.85	23.91	23.88	24.50
20	QPSK	1	49	ANT4	Full Power	23.71	23.77	23.77	24.50
20	QPSK	1	99	ANT4	Full Power	23.77	23.80	23.73	24.50
20	QPSK	50	0	ANT4	Full Power	22.69	22.77	22.80	23.50
20	QPSK	50	25	ANT4	Full Power	22.75	22.76	22.70	23.50
20	QPSK	50	50	ANT4	Full Power	22.79	22.77	22.82	23.50
20	QPSK	100	0	ANT4	Full Power	22.70	22.81	22.76	23.50
20	16QAM	1	0	ANT4	Full Power	22.73	22.77	22.78	23.50
20	16QAM	1	49	ANT4	Full Power	22.75	22.81	22.76	23.50
20	16QAM	1	99	ANT4	Full Power	22.76	22.79	22.79	23.50
20	16QAM	50	0	ANT4	Full Power	21.74	21.77	21.80	22.50
20	16QAM	50	25	ANT4	Full Power	21.70	21.70	21.80	22.50
20	16QAM	50	50	ANT4	Full Power	21.83	21.79	21.78	22.50
20	16QAM	100	0	ANT4	Full Power	21.77	21.78	21.73	22.50
20	64QAM	1	0	ANT4	Full Power	21.78	21.74	21.77	22.50
20	64QAM	1	49	ANT4	Full Power	21.81	21.73	21.67	22.50
20	64QAM	1	99	ANT4	Full Power	21.67	21.69	21.81	22.50
20	64QAM	50	0	ANT4	Full Power	20.79	20.68	20.77	21.50
20	64QAM	50	25	ANT4	Full Power	20.80	20.74	20.76	21.50
20	64QAM	50	50	ANT4	Full Power	20.76	20.76	20.67	21.50
20	64QAM	100	0	ANT4	Full Power	20.79	20.83	20.68	21.50
20	256QAM	1	0	ANT4	Full Power	18.81	18.74	18.74	19.50
20	256QAM	1	49	ANT4	Full Power	18.67	18.76	18.77	19.50
20	256QAM	1	99	ANT4	Full Power	18.75	18.72	18.73	19.50
20	256QAM	50	0	ANT4	Full Power	18.71	18.65	18.73	19.50
20	256QAM	50	25	ANT4	Full Power	18.76	18.80	18.67	19.50
20	256QAM	50	50	ANT4	Full Power	18.80	18.67	18.79	19.50
20	256QAM	100	0	ANT4	Full Power	18.72	18.79	18.80	19.50

Band				LTE Band66(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	131979	132322	132665	Tune-up power(dBm)
1.4	QPSK	1	0	ANT4	DSI1&2&3	22.03	22.07	22.08	22.50
1.4	QPSK	1	2	ANT4	DSI1&2&3	21.93	22.10	22.00	22.50
1.4	QPSK	1	5	ANT4	DSI1&2&3	21.92	21.94	22.07	22.50
1.4	QPSK	3	0	ANT4	DSI1&2&3	21.94	22.10	22.06	22.50
1.4	QPSK	3	1	ANT4	DSI1&2&3	22.10	21.93	22.09	22.50
1.4	QPSK	3	3	ANT4	DSI1&2&3	21.94	21.93	22.07	22.50
1.4	QPSK	6	0	ANT4	DSI1&2&3	21.99	21.95	21.95	22.50
1.4	16QAM	1	0	ANT4	DSI1&2&3	22.04	22.00	22.01	22.50
1.4	16QAM	1	2	ANT4	DSI1&2&3	22.01	22.02	21.92	22.50
1.4	16QAM	1	5	ANT4	DSI1&2&3	22.06	22.10	22.09	22.50
1.4	16QAM	3	0	ANT4	DSI1&2&3	22.00	22.01	22.08	22.50
1.4	16QAM	3	1	ANT4	DSI1&2&3	22.10	22.01	21.93	22.50
1.4	16QAM	3	3	ANT4	DSI1&2&3	22.02	21.97	21.96	22.50
1.4	16QAM	6	0	ANT4	DSI1&2&3	21.98	21.91	22.01	22.50
1.4	64QAM	1	0	ANT4	DSI1&2&3	21.97	22.10	22.01	22.50
1.4	64QAM	1	2	ANT4	DSI1&2&3	22.08	22.05	22.03	22.50
1.4	64QAM	1	5	ANT4	DSI1&2&3	21.98	22.02	22.07	22.50
1.4	64QAM	3	0	ANT4	DSI1&2&3	20.99	20.97	20.91	21.50
1.4	64QAM	3	1	ANT4	DSI1&2&3	21.03	20.90	21.05	21.50
1.4	64QAM	3	3	ANT4	DSI1&2&3	21.10	20.99	20.95	21.50
1.4	64QAM	6	0	ANT4	DSI1&2&3	20.95	20.93	20.99	21.50
1.4	256QAM	1	0	ANT4	DSI1&2&3	18.91	18.95	19.02	19.50
1.4	256QAM	1	2	ANT4	DSI1&2&3	18.97	19.07	18.98	19.50
1.4	256QAM	1	5	ANT4	DSI1&2&3	19.01	19.05	19.00	19.50
1.4	256QAM	3	0	ANT4	DSI1&2&3	18.90	19.09	19.05	19.50
1.4	256QAM	3	1	ANT4	DSI1&2&3	19.10	19.10	19.06	19.50
1.4	256QAM	3	3	ANT4	DSI1&2&3	18.93	19.10	19.01	19.50
1.4	256QAM	6	0	ANT4	DSI1&2&3	19.09	19.01	18.99	19.50

Band				LTE Band66(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	131987	132322	132657	Tune-up power(dBm)
3	QPSK	1	0	ANT4	DSI1&2&3	21.94	22.03	21.97	22.50
3	QPSK	1	7	ANT4	DSI1&2&3	22.09	21.92	22.10	22.50
3	QPSK	1	14	ANT4	DSI1&2&3	21.90	22.03	22.09	22.50
3	QPSK	8	0	ANT4	DSI1&2&3	22.02	22.07	21.93	22.50
3	QPSK	8	3	ANT4	DSI1&2&3	22.01	21.94	22.09	22.50
3	QPSK	8	7	ANT4	DSI1&2&3	22.05	21.90	21.97	22.50
3	QPSK	15	0	ANT4	DSI1&2&3	21.90	21.93	22.01	22.50
3	16QAM	1	0	ANT4	DSI1&2&3	21.99	21.98	21.99	22.50
3	16QAM	1	7	ANT4	DSI1&2&3	22.10	21.93	21.92	22.50
3	16QAM	1	14	ANT4	DSI1&2&3	22.05	22.01	22.08	22.50
3	16QAM	8	0	ANT4	DSI1&2&3	21.99	22.06	22.10	22.50
3	16QAM	8	3	ANT4	DSI1&2&3	21.92	21.99	21.90	22.50
3	16QAM	8	7	ANT4	DSI1&2&3	22.09	21.90	21.92	22.50
3	16QAM	15	0	ANT4	DSI1&2&3	21.93	22.00	21.92	22.50
3	64QAM	1	0	ANT4	DSI1&2&3	22.03	22.04	22.09	22.50
3	64QAM	1	7	ANT4	DSI1&2&3	21.99	22.10	21.97	22.50
3	64QAM	1	14	ANT4	DSI1&2&3	22.09	21.98	22.05	22.50
3	64QAM	8	0	ANT4	DSI1&2&3	20.99	21.09	20.98	21.50
3	64QAM	8	3	ANT4	DSI1&2&3	21.10	21.09	21.05	21.50
3	64QAM	8	7	ANT4	DSI1&2&3	20.98	21.06	21.04	21.50
3	64QAM	15	0	ANT4	DSI1&2&3	21.09	20.91	21.08	21.50
3	256QAM	1	0	ANT4	DSI1&2&3	18.91	18.91	19.03	19.50
3	256QAM	1	7	ANT4	DSI1&2&3	18.93	19.02	19.05	19.50
3	256QAM	1	14	ANT4	DSI1&2&3	18.95	18.92	19.00	19.50
3	256QAM	8	0	ANT4	DSI1&2&3	18.90	19.08	18.90	19.50
3	256QAM	8	3	ANT4	DSI1&2&3	19.01	18.96	18.95	19.50
3	256QAM	8	7	ANT4	DSI1&2&3	19.04	19.01	19.01	19.50
3	256QAM	15	0	ANT4	DSI1&2&3	18.94	19.07	19.10	19.50

Band				LTE Band66(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	131997	132322	132647	Tune-up power(dBm)
5	QPSK	1	0	ANT4	DSI1&2&3	22.00	22.05	21.91	22.50
5	QPSK	1	12	ANT4	DSI1&2&3	21.90	21.92	21.99	22.50
5	QPSK	1	24	ANT4	DSI1&2&3	22.07	21.90	22.07	22.50
5	QPSK	12	0	ANT4	DSI1&2&3	21.90	22.08	21.92	22.50
5	QPSK	12	6	ANT4	DSI1&2&3	21.94	21.96	21.90	22.50
5	QPSK	12	13	ANT4	DSI1&2&3	22.01	21.93	21.91	22.50
5	QPSK	25	0	ANT4	DSI1&2&3	22.04	22.00	22.02	22.50
5	16QAM	1	0	ANT4	DSI1&2&3	22.02	22.07	21.98	22.50
5	16QAM	1	12	ANT4	DSI1&2&3	22.10	21.95	22.03	22.50
5	16QAM	1	24	ANT4	DSI1&2&3	21.98	21.90	21.90	22.50
5	16QAM	12	0	ANT4	DSI1&2&3	22.10	21.99	21.99	22.50
5	16QAM	12	6	ANT4	DSI1&2&3	22.03	22.08	22.05	22.50
5	16QAM	12	13	ANT4	DSI1&2&3	22.00	22.04	21.91	22.50
5	16QAM	25	0	ANT4	DSI1&2&3	21.91	22.03	22.04	22.50
5	64QAM	1	0	ANT4	DSI1&2&3	22.08	22.08	22.10	22.50
5	64QAM	1	12	ANT4	DSI1&2&3	22.05	21.96	21.96	22.50
5	64QAM	1	24	ANT4	DSI1&2&3	21.95	22.03	21.96	22.50
5	64QAM	12	0	ANT4	DSI1&2&3	20.93	21.03	21.08	21.50
5	64QAM	12	6	ANT4	DSI1&2&3	21.01	21.05	21.10	21.50
5	64QAM	12	13	ANT4	DSI1&2&3	21.00	21.02	20.95	21.50
5	64QAM	25	0	ANT4	DSI1&2&3	21.05	21.03	20.97	21.50
5	256QAM	1	0	ANT4	DSI1&2&3	19.05	18.93	19.03	19.50
5	256QAM	1	12	ANT4	DSI1&2&3	19.00	18.90	18.93	19.50
5	256QAM	1	24	ANT4	DSI1&2&3	19.07	18.98	19.04	19.50
5	256QAM	12	0	ANT4	DSI1&2&3	19.10	18.90	18.90	19.50
5	256QAM	12	6	ANT4	DSI1&2&3	18.94	18.94	19.05	19.50
5	256QAM	12	13	ANT4	DSI1&2&3	18.91	18.90	19.00	19.50
5	256QAM	25	0	ANT4	DSI1&2&3	18.91	19.05	18.90	19.50

Band				LTE Band66(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	132022	132322	132622	Tune-up power(dBm)
10	QPSK	1	0	ANT4	DSI1&2&3	22.07	22.02	21.99	22.50
10	QPSK	1	24	ANT4	DSI1&2&3	21.97	21.98	22.09	22.50
10	QPSK	1	49	ANT4	DSI1&2&3	22.04	21.94	21.92	22.50
10	QPSK	25	0	ANT4	DSI1&2&3	21.96	21.96	21.99	22.50
10	QPSK	25	12	ANT4	DSI1&2&3	22.01	22.07	21.91	22.50
10	QPSK	25	25	ANT4	DSI1&2&3	22.02	22.02	22.05	22.50
10	QPSK	50	0	ANT4	DSI1&2&3	21.96	21.94	21.96	22.50
10	16QAM	1	0	ANT4	DSI1&2&3	21.93	21.91	21.93	22.50
10	16QAM	1	24	ANT4	DSI1&2&3	22.05	22.05	21.97	22.50
10	16QAM	1	49	ANT4	DSI1&2&3	22.06	21.97	22.06	22.50
10	16QAM	25	0	ANT4	DSI1&2&3	21.93	21.98	22.08	22.50
10	16QAM	25	12	ANT4	DSI1&2&3	22.05	21.92	21.99	22.50
10	16QAM	25	25	ANT4	DSI1&2&3	21.93	21.90	22.08	22.50
10	16QAM	50	0	ANT4	DSI1&2&3	21.93	21.95	22.05	22.50
10	64QAM	1	0	ANT4	DSI1&2&3	21.96	21.94	22.02	22.50
10	64QAM	1	24	ANT4	DSI1&2&3	21.99	22.00	21.96	22.50
10	64QAM	1	49	ANT4	DSI1&2&3	21.91	21.91	22.02	22.50
10	64QAM	25	0	ANT4	DSI1&2&3	21.10	21.06	20.92	21.50
10	64QAM	25	12	ANT4	DSI1&2&3	20.92	20.98	20.94	21.50
10	64QAM	25	25	ANT4	DSI1&2&3	21.05	20.97	21.04	21.50
10	64QAM	50	0	ANT4	DSI1&2&3	21.02	21.04	21.00	21.50
10	256QAM	1	0	ANT4	DSI1&2&3	18.98	18.91	18.93	19.50
10	256QAM	1	24	ANT4	DSI1&2&3	19.05	19.09	19.09	19.50
10	256QAM	1	49	ANT4	DSI1&2&3	19.01	19.10	19.01	19.50
10	256QAM	25	0	ANT4	DSI1&2&3	19.09	19.09	19.07	19.50
10	256QAM	25	12	ANT4	DSI1&2&3	18.92	18.99	18.99	19.50
10	256QAM	25	25	ANT4	DSI1&2&3	18.91	19.00	19.03	19.50
10	256QAM	50	0	ANT4	DSI1&2&3	19.07	19.00	19.03	19.50

Band				LTE Band66(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	132047	132322	132597	Tune-up power(dBm)
15	QPSK	1	0	ANT4	DSI1&2&3	22.10	21.91	21.91	22.50
15	QPSK	1	37	ANT4	DSI1&2&3	21.94	22.10	21.98	22.50
15	QPSK	1	74	ANT4	DSI1&2&3	22.03	22.05	21.96	22.50
15	QPSK	36	0	ANT4	DSI1&2&3	21.97	22.02	21.94	22.50
15	QPSK	36	19	ANT4	DSI1&2&3	21.91	21.99	22.01	22.50
15	QPSK	36	39	ANT4	DSI1&2&3	22.00	22.10	22.03	22.50
15	QPSK	75	0	ANT4	DSI1&2&3	22.09	22.00	21.92	22.50
15	16QAM	1	0	ANT4	DSI1&2&3	22.04	21.95	21.98	22.50
15	16QAM	1	37	ANT4	DSI1&2&3	22.02	22.08	21.96	22.50
15	16QAM	1	74	ANT4	DSI1&2&3	21.95	21.91	22.10	22.50
15	16QAM	36	0	ANT4	DSI1&2&3	22.05	22.04	22.09	22.50
15	16QAM	36	19	ANT4	DSI1&2&3	22.00	21.90	22.00	22.50
15	16QAM	36	39	ANT4	DSI1&2&3	22.04	21.96	21.93	22.50
15	16QAM	75	0	ANT4	DSI1&2&3	22.07	22.06	22.02	22.50
15	64QAM	1	0	ANT4	DSI1&2&3	22.00	22.10	21.96	22.50
15	64QAM	1	37	ANT4	DSI1&2&3	22.03	21.90	21.95	22.50
15	64QAM	1	74	ANT4	DSI1&2&3	22.00	22.03	22.00	22.50
15	64QAM	36	0	ANT4	DSI1&2&3	20.96	20.97	21.10	21.50
15	64QAM	36	19	ANT4	DSI1&2&3	21.06	20.90	21.07	21.50
15	64QAM	36	39	ANT4	DSI1&2&3	21.04	21.05	20.97	21.50
15	64QAM	75	0	ANT4	DSI1&2&3	20.90	21.06	21.10	21.50
15	256QAM	1	0	ANT4	DSI1&2&3	18.91	19.05	18.94	19.50
15	256QAM	1	37	ANT4	DSI1&2&3	18.92	19.02	19.06	19.50
15	256QAM	1	74	ANT4	DSI1&2&3	18.94	18.98	18.99	19.50
15	256QAM	36	0	ANT4	DSI1&2&3	19.01	19.05	19.10	19.50
15	256QAM	36	19	ANT4	DSI1&2&3	18.90	19.06	19.03	19.50
15	256QAM	36	39	ANT4	DSI1&2&3	18.99	19.02	19.08	19.50
15	256QAM	75	0	ANT4	DSI1&2&3	18.94	18.98	18.93	19.50

Band				LTE Band66(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	132072	132322	132572	Tune-up power(dBm)
20	QPSK	1	0	ANT4	DSI1&2&3	21.94	21.97	21.96	22.50
20	QPSK	1	49	ANT4	DSI1&2&3	21.93	21.93	22.10	22.50
20	QPSK	1	99	ANT4	DSI1&2&3	21.99	21.91	22.10	22.50
20	QPSK	50	0	ANT4	DSI1&2&3	21.99	21.90	22.03	22.50
20	QPSK	50	25	ANT4	DSI1&2&3	21.92	21.97	22.10	22.50
20	QPSK	50	50	ANT4	DSI1&2&3	22.05	21.96	21.98	22.50
20	QPSK	100	0	ANT4	DSI1&2&3	22.03	21.94	21.93	22.50
20	16QAM	1	0	ANT4	DSI1&2&3	21.95	21.96	21.91	22.50
20	16QAM	1	49	ANT4	DSI1&2&3	21.96	21.97	22.01	22.50
20	16QAM	1	99	ANT4	DSI1&2&3	22.02	22.02	22.10	22.50
20	16QAM	50	0	ANT4	DSI1&2&3	21.98	22.04	22.05	22.50
20	16QAM	50	25	ANT4	DSI1&2&3	21.96	21.91	21.98	22.50
20	16QAM	50	50	ANT4	DSI1&2&3	22.06	21.93	22.10	22.50
20	16QAM	100	0	ANT4	DSI1&2&3	21.97	22.01	22.02	22.50
20	64QAM	1	0	ANT4	DSI1&2&3	21.93	22.03	21.90	22.50
20	64QAM	1	49	ANT4	DSI1&2&3	22.05	21.98	21.90	22.50
20	64QAM	1	99	ANT4	DSI1&2&3	22.06	22.09	21.99	22.50
20	64QAM	50	0	ANT4	DSI1&2&3	21.05	21.08	20.95	21.50
20	64QAM	50	25	ANT4	DSI1&2&3	21.09	21.04	21.01	21.50
20	64QAM	50	50	ANT4	DSI1&2&3	21.01	21.04	20.93	21.50
20	64QAM	100	0	ANT4	DSI1&2&3	20.95	20.98	20.90	21.50
20	256QAM	1	0	ANT4	DSI1&2&3	18.92	19.01	18.94	19.50
20	256QAM	1	49	ANT4	DSI1&2&3	19.01	19.00	19.02	19.50
20	256QAM	1	99	ANT4	DSI1&2&3	18.93	18.92	19.03	19.50
20	256QAM	50	0	ANT4	DSI1&2&3	19.01	19.07	18.94	19.50
20	256QAM	50	25	ANT4	DSI1&2&3	19.04	18.96	18.96	19.50
20	256QAM	50	50	ANT4	DSI1&2&3	19.02	18.91	18.91	19.50
20	256QAM	100	0	ANT4	DSI1&2&3	18.91	19.01	18.97	19.50

Band				LTE Band66(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	131979	132322	132665	Tune-up power(dBm)
1.4	QPSK	1	0	ANT4	DSI4	17.08	17.20	17.01	19.00
1.4	QPSK	1	2	ANT4	DSI4	17.10	17.07	17.03	19.00
1.4	QPSK	1	5	ANT4	DSI4	17.16	17.14	17.19	19.00
1.4	QPSK	3	0	ANT4	DSI4	17.06	17.06	17.12	19.00
1.4	QPSK	3	1	ANT4	DSI4	17.03	17.03	17.14	19.00
1.4	QPSK	3	3	ANT4	DSI4	17.05	17.15	17.12	19.00
1.4	QPSK	6	0	ANT4	DSI4	17.09	17.11	17.06	19.00
1.4	16QAM	1	0	ANT4	DSI4	17.18	17.02	17.02	19.00
1.4	16QAM	1	2	ANT4	DSI4	17.12	17.09	17.18	19.00
1.4	16QAM	1	5	ANT4	DSI4	17.11	17.19	17.20	19.00
1.4	16QAM	3	0	ANT4	DSI4	17.08	17.06	17.14	19.00
1.4	16QAM	3	1	ANT4	DSI4	17.11	17.08	17.13	19.00
1.4	16QAM	3	3	ANT4	DSI4	17.15	17.02	17.03	19.00
1.4	16QAM	6	0	ANT4	DSI4	17.06	17.17	17.07	19.00
1.4	64QAM	1	0	ANT4	DSI4	17.19	17.18	17.07	19.00
1.4	64QAM	1	2	ANT4	DSI4	17.01	17.19	17.08	19.00
1.4	64QAM	1	5	ANT4	DSI4	17.16	17.08	17.05	19.00
1.4	64QAM	3	0	ANT4	DSI4	17.02	17.06	17.06	19.00
1.4	64QAM	3	1	ANT4	DSI4	17.19	17.20	17.00	19.00
1.4	64QAM	3	3	ANT4	DSI4	17.17	17.12	17.14	19.00
1.4	64QAM	6	0	ANT4	DSI4	17.15	17.11	17.06	19.00
1.4	256QAM	1	0	ANT4	DSI4	17.09	17.11	17.17	19.00
1.4	256QAM	1	2	ANT4	DSI4	17.19	17.08	17.18	19.00
1.4	256QAM	1	5	ANT4	DSI4	17.16	17.12	17.16	19.00
1.4	256QAM	3	0	ANT4	DSI4	17.18	17.03	17.03	19.00
1.4	256QAM	3	1	ANT4	DSI4	17.10	17.08	17.20	19.00
1.4	256QAM	3	3	ANT4	DSI4	17.10	17.20	17.02	19.00
1.4	256QAM	6	0	ANT4	DSI4	17.17	17.05	17.18	19.00

Band				LTE Band66(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	131987	132322	132657	Tune-up power(dBm)
3	QPSK	1	0	ANT4	DSI4	17.07	17.10	17.03	19.00
3	QPSK	1	7	ANT4	DSI4	17.02	17.20	17.02	19.00
3	QPSK	1	14	ANT4	DSI4	17.02	17.01	17.20	19.00
3	QPSK	8	0	ANT4	DSI4	17.11	17.15	17.02	19.00
3	QPSK	8	3	ANT4	DSI4	17.18	17.07	17.16	19.00
3	QPSK	8	7	ANT4	DSI4	17.11	17.19	17.11	19.00
3	QPSK	15	0	ANT4	DSI4	17.03	17.05	17.20	19.00
3	16QAM	1	0	ANT4	DSI4	17.17	17.13	17.04	19.00
3	16QAM	1	7	ANT4	DSI4	17.19	17.13	17.06	19.00
3	16QAM	1	14	ANT4	DSI4	17.07	17.19	17.09	19.00
3	16QAM	8	0	ANT4	DSI4	17.05	17.01	17.10	19.00
3	16QAM	8	3	ANT4	DSI4	17.16	17.13	17.05	19.00
3	16QAM	8	7	ANT4	DSI4	17.01	17.12	17.18	19.00
3	16QAM	15	0	ANT4	DSI4	17.14	17.12	17.20	19.00
3	64QAM	1	0	ANT4	DSI4	17.16	17.05	17.17	19.00
3	64QAM	1	7	ANT4	DSI4	17.14	17.01	17.02	19.00
3	64QAM	1	14	ANT4	DSI4	17.13	17.18	17.10	19.00
3	64QAM	8	0	ANT4	DSI4	17.14	17.06	17.20	19.00
3	64QAM	8	3	ANT4	DSI4	17.01	17.09	17.19	19.00
3	64QAM	8	7	ANT4	DSI4	17.15	17.03	17.14	19.00
3	64QAM	15	0	ANT4	DSI4	17.15	17.04	17.02	19.00
3	256QAM	1	0	ANT4	DSI4	17.20	17.06	17.07	19.00
3	256QAM	1	7	ANT4	DSI4	17.11	17.12	17.13	19.00
3	256QAM	1	14	ANT4	DSI4	17.12	17.01	17.14	19.00
3	256QAM	8	0	ANT4	DSI4	17.03	17.05	17.07	19.00
3	256QAM	8	3	ANT4	DSI4	17.17	17.06	17.15	19.00
3	256QAM	8	7	ANT4	DSI4	17.14	17.18	17.11	19.00
3	256QAM	15	0	ANT4	DSI4	17.04	17.20	17.05	19.00

Band				LTE Band66(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	131997	132322	132647	Tune-up power(dBm)
5	QPSK	1	0	ANT4	DSI4	17.14	17.12	17.00	19.00
5	QPSK	1	12	ANT4	DSI4	17.03	17.20	17.14	19.00
5	QPSK	1	24	ANT4	DSI4	17.13	17.17	17.06	19.00
5	QPSK	12	0	ANT4	DSI4	17.06	17.00	17.12	19.00
5	QPSK	12	6	ANT4	DSI4	17.04	17.05	17.02	19.00
5	QPSK	12	13	ANT4	DSI4	17.09	17.02	17.09	19.00
5	QPSK	25	0	ANT4	DSI4	17.07	17.14	17.11	19.00
5	16QAM	1	0	ANT4	DSI4	17.13	17.04	17.20	19.00
5	16QAM	1	12	ANT4	DSI4	17.14	17.05	17.00	19.00
5	16QAM	1	24	ANT4	DSI4	17.15	17.10	17.20	19.00
5	16QAM	12	0	ANT4	DSI4	17.09	17.07	17.19	19.00
5	16QAM	12	6	ANT4	DSI4	17.04	17.18	17.12	19.00
5	16QAM	12	13	ANT4	DSI4	17.03	17.13	17.15	19.00
5	16QAM	25	0	ANT4	DSI4	17.10	17.19	17.09	19.00
5	64QAM	1	0	ANT4	DSI4	17.20	17.11	17.01	19.00
5	64QAM	1	12	ANT4	DSI4	17.20	17.02	17.02	19.00
5	64QAM	1	24	ANT4	DSI4	17.11	17.19	17.17	19.00
5	64QAM	12	0	ANT4	DSI4	17.20	17.18	17.11	19.00
5	64QAM	12	6	ANT4	DSI4	17.14	17.09	17.01	19.00
5	64QAM	12	13	ANT4	DSI4	17.14	17.18	17.19	19.00
5	64QAM	25	0	ANT4	DSI4	17.19	17.19	17.07	19.00
5	256QAM	1	0	ANT4	DSI4	17.14	17.00	17.13	19.00
5	256QAM	1	12	ANT4	DSI4	17.17	17.01	17.19	19.00
5	256QAM	1	24	ANT4	DSI4	17.07	17.03	17.13	19.00
5	256QAM	12	0	ANT4	DSI4	17.09	17.19	17.12	19.00
5	256QAM	12	6	ANT4	DSI4	17.07	17.13	17.19	19.00
5	256QAM	12	13	ANT4	DSI4	17.12	17.07	17.14	19.00
5	256QAM	25	0	ANT4	DSI4	17.17	17.07	17.16	19.00

Band				LTE Band66(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	132022	132322	132622	Tune-up power(dBm)
10	QPSK	1	0	ANT4	DSI4	17.01	17.20	17.02	19.00
10	QPSK	1	24	ANT4	DSI4	17.02	17.06	17.16	19.00
10	QPSK	1	49	ANT4	DSI4	17.17	17.16	17.16	19.00
10	QPSK	25	0	ANT4	DSI4	17.00	17.04	17.20	19.00
10	QPSK	25	12	ANT4	DSI4	17.04	17.10	17.17	19.00
10	QPSK	25	25	ANT4	DSI4	17.19	17.09	17.06	19.00
10	QPSK	50	0	ANT4	DSI4	17.06	17.07	17.19	19.00
10	16QAM	1	0	ANT4	DSI4	17.00	17.11	17.06	19.00
10	16QAM	1	24	ANT4	DSI4	17.01	17.06	17.14	19.00
10	16QAM	1	49	ANT4	DSI4	17.11	17.05	17.06	19.00
10	16QAM	25	0	ANT4	DSI4	17.12	17.18	17.20	19.00
10	16QAM	25	12	ANT4	DSI4	17.11	17.04	17.20	19.00
10	16QAM	25	25	ANT4	DSI4	17.03	17.00	17.03	19.00
10	16QAM	50	0	ANT4	DSI4	17.11	17.10	17.08	19.00
10	64QAM	1	0	ANT4	DSI4	17.04	17.08	17.15	19.00
10	64QAM	1	24	ANT4	DSI4	17.01	17.18	17.10	19.00
10	64QAM	1	49	ANT4	DSI4	17.16	17.07	17.20	19.00
10	64QAM	25	0	ANT4	DSI4	17.14	17.07	17.15	19.00
10	64QAM	25	12	ANT4	DSI4	17.07	17.12	17.01	19.00
10	64QAM	25	25	ANT4	DSI4	17.03	17.08	17.20	19.00
10	64QAM	50	0	ANT4	DSI4	17.12	17.20	17.02	19.00
10	256QAM	1	0	ANT4	DSI4	17.01	17.12	17.07	19.00
10	256QAM	1	24	ANT4	DSI4	17.09	17.19	17.09	19.00
10	256QAM	1	49	ANT4	DSI4	17.03	17.08	17.17	19.00
10	256QAM	25	0	ANT4	DSI4	17.04	17.15	17.18	19.00
10	256QAM	25	12	ANT4	DSI4	17.10	17.15	17.00	19.00
10	256QAM	25	25	ANT4	DSI4	17.12	17.19	17.03	19.00
10	256QAM	50	0	ANT4	DSI4	17.20	17.07	17.10	19.00

Band				LTE Band66(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	132047	132322	132597	Tune-up power(dBm)
15	QPSK	1	0	ANT4	DSI4	17.09	17.15	17.01	19.00
15	QPSK	1	37	ANT4	DSI4	17.10	17.15	17.02	19.00
15	QPSK	1	74	ANT4	DSI4	17.04	17.09	17.16	19.00
15	QPSK	36	0	ANT4	DSI4	17.06	17.19	17.17	19.00
15	QPSK	36	19	ANT4	DSI4	17.16	17.19	17.00	19.00
15	QPSK	36	39	ANT4	DSI4	17.08	17.02	17.06	19.00
15	QPSK	75	0	ANT4	DSI4	17.16	17.10	17.13	19.00
15	16QAM	1	0	ANT4	DSI4	17.14	17.09	17.16	19.00
15	16QAM	1	37	ANT4	DSI4	17.16	17.12	17.01	19.00
15	16QAM	1	74	ANT4	DSI4	17.06	17.20	17.04	19.00
15	16QAM	36	0	ANT4	DSI4	17.02	17.20	17.17	19.00
15	16QAM	36	19	ANT4	DSI4	17.18	17.14	17.16	19.00
15	16QAM	36	39	ANT4	DSI4	17.09	17.18	17.01	19.00
15	16QAM	75	0	ANT4	DSI4	17.02	17.08	17.04	19.00
15	64QAM	1	0	ANT4	DSI4	17.02	17.18	17.11	19.00
15	64QAM	1	37	ANT4	DSI4	17.00	17.04	17.18	19.00
15	64QAM	1	74	ANT4	DSI4	17.09	17.10	17.07	19.00
15	64QAM	36	0	ANT4	DSI4	17.17	17.11	17.15	19.00
15	64QAM	36	19	ANT4	DSI4	17.12	17.01	17.05	19.00
15	64QAM	36	39	ANT4	DSI4	17.05	17.04	17.07	19.00
15	64QAM	75	0	ANT4	DSI4	17.09	17.15	17.00	19.00
15	256QAM	1	0	ANT4	DSI4	17.16	17.03	17.06	19.00
15	256QAM	1	37	ANT4	DSI4	17.00	17.13	17.01	19.00
15	256QAM	1	74	ANT4	DSI4	17.20	17.17	17.14	19.00
15	256QAM	36	0	ANT4	DSI4	17.00	17.12	17.14	19.00
15	256QAM	36	19	ANT4	DSI4	17.20	17.04	17.03	19.00
15	256QAM	36	39	ANT4	DSI4	17.00	17.09	17.04	19.00
15	256QAM	75	0	ANT4	DSI4	17.11	17.09	17.19	19.00

Band				LTE Band66(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	132072	132322	132572	Tune-up power(dBm)
20	QPSK	1	0	ANT4	DSI4	17.18	17.23	17.21	19.00
20	QPSK	1	49	ANT4	DSI4	17.03	17.16	17.01	19.00
20	QPSK	1	99	ANT4	DSI4	17.10	17.10	17.08	19.00
20	QPSK	50	0	ANT4	DSI4	17.03	17.11	17.21	19.00
20	QPSK	50	25	ANT4	DSI4	17.12	17.13	17.13	19.00
20	QPSK	50	50	ANT4	DSI4	17.12	17.02	17.20	19.00
20	QPSK	100	0	ANT4	DSI4	17.18	17.01	17.14	19.00
20	16QAM	1	0	ANT4	DSI4	17.09	17.07	17.14	19.00
20	16QAM	1	49	ANT4	DSI4	17.08	17.17	17.17	19.00
20	16QAM	1	99	ANT4	DSI4	17.00	17.07	17.00	19.00
20	16QAM	50	0	ANT4	DSI4	17.07	17.18	17.08	19.00
20	16QAM	50	25	ANT4	DSI4	17.20	17.05	17.15	19.00
20	16QAM	50	50	ANT4	DSI4	17.11	17.12	17.05	19.00
20	16QAM	100	0	ANT4	DSI4	17.01	17.12	17.08	19.00
20	64QAM	1	0	ANT4	DSI4	17.17	17.06	17.03	19.00
20	64QAM	1	49	ANT4	DSI4	17.19	17.02	17.17	19.00
20	64QAM	1	99	ANT4	DSI4	17.13	17.00	17.13	19.00
20	64QAM	50	0	ANT4	DSI4	17.05	17.04	17.05	19.00
20	64QAM	50	25	ANT4	DSI4	17.01	17.10	17.00	19.00
20	64QAM	50	50	ANT4	DSI4	17.11	17.01	17.06	19.00
20	64QAM	100	0	ANT4	DSI4	17.14	17.14	17.20	19.00
20	256QAM	1	0	ANT4	DSI4	17.03	17.13	17.10	19.00
20	256QAM	1	49	ANT4	DSI4	17.12	17.11	17.09	19.00
20	256QAM	1	99	ANT4	DSI4	17.00	17.04	17.19	19.00
20	256QAM	50	0	ANT4	DSI4	17.11	17.17	17.00	19.00
20	256QAM	50	25	ANT4	DSI4	17.19	17.13	17.10	19.00
20	256QAM	50	50	ANT4	DSI4	17.12	17.20	17.15	19.00
20	256QAM	100	0	ANT4	DSI4	17.13	17.08	17.12	19.00

Band				LTE Band66(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	131979	132322	132665	Tune-up power(dBm)
1.4	QPSK	1	0	ANT4	DSI5&6	17.04	17.08	17.03	17.50
1.4	QPSK	1	2	ANT4	DSI5&6	16.99	17.11	17.04	17.50
1.4	QPSK	1	5	ANT4	DSI5&6	16.98	17.10	16.97	17.50
1.4	QPSK	3	0	ANT4	DSI5&6	17.09	17.03	16.99	17.50
1.4	QPSK	3	1	ANT4	DSI5&6	17.14	16.95	17.13	17.50
1.4	QPSK	3	3	ANT4	DSI5&6	17.14	17.12	17.13	17.50
1.4	QPSK	6	0	ANT4	DSI5&6	17.07	16.97	16.95	17.50
1.4	16QAM	1	0	ANT4	DSI5&6	17.10	17.08	17.04	17.50
1.4	16QAM	1	2	ANT4	DSI5&6	16.96	17.08	17.13	17.50
1.4	16QAM	1	5	ANT4	DSI5&6	17.03	17.00	17.07	17.50
1.4	16QAM	3	0	ANT4	DSI5&6	17.14	17.15	17.03	17.50
1.4	16QAM	3	1	ANT4	DSI5&6	17.10	17.08	17.06	17.50
1.4	16QAM	3	3	ANT4	DSI5&6	16.97	17.02	17.15	17.50
1.4	16QAM	6	0	ANT4	DSI5&6	17.12	17.05	17.06	17.50
1.4	64QAM	1	0	ANT4	DSI5&6	17.13	17.12	17.14	17.50
1.4	64QAM	1	2	ANT4	DSI5&6	16.97	17.01	17.04	17.50
1.4	64QAM	1	5	ANT4	DSI5&6	17.13	17.07	17.10	17.50
1.4	64QAM	3	0	ANT4	DSI5&6	17.08	17.05	17.03	17.50
1.4	64QAM	3	1	ANT4	DSI5&6	17.08	17.03	17.04	17.50
1.4	64QAM	3	3	ANT4	DSI5&6	17.15	17.15	17.13	17.50
1.4	64QAM	6	0	ANT4	DSI5&6	17.05	17.04	17.03	17.50
1.4	256QAM	1	0	ANT4	DSI5&6	17.10	17.14	17.01	17.50
1.4	256QAM	1	2	ANT4	DSI5&6	16.96	17.07	16.97	17.50
1.4	256QAM	1	5	ANT4	DSI5&6	17.09	17.11	17.10	17.50
1.4	256QAM	3	0	ANT4	DSI5&6	17.09	16.97	17.13	17.50
1.4	256QAM	3	1	ANT4	DSI5&6	17.09	17.13	17.14	17.50
1.4	256QAM	3	3	ANT4	DSI5&6	17.14	17.01	17.10	17.50
1.4	256QAM	6	0	ANT4	DSI5&6	16.99	16.96	17.10	17.50

Band				LTE Band66(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	131987	132322	132657	Tune-up power(dBm)
3	QPSK	1	0	ANT4	DSI5&6	17.04	16.98	17.06	17.50
3	QPSK	1	7	ANT4	DSI5&6	17.05	17.09	17.10	17.50
3	QPSK	1	14	ANT4	DSI5&6	17.07	17.12	17.02	17.50
3	QPSK	8	0	ANT4	DSI5&6	16.98	17.03	17.02	17.50
3	QPSK	8	3	ANT4	DSI5&6	17.00	17.02	17.11	17.50
3	QPSK	8	7	ANT4	DSI5&6	17.13	17.14	17.00	17.50
3	QPSK	15	0	ANT4	DSI5&6	17.09	17.02	16.96	17.50
3	16QAM	1	0	ANT4	DSI5&6	17.04	17.06	16.99	17.50
3	16QAM	1	7	ANT4	DSI5&6	17.00	17.13	17.00	17.50
3	16QAM	1	14	ANT4	DSI5&6	17.02	16.97	17.00	17.50
3	16QAM	8	0	ANT4	DSI5&6	17.09	17.13	17.09	17.50
3	16QAM	8	3	ANT4	DSI5&6	17.01	17.04	17.02	17.50
3	16QAM	8	7	ANT4	DSI5&6	17.12	16.99	17.09	17.50
3	16QAM	15	0	ANT4	DSI5&6	17.11	17.09	16.97	17.50
3	64QAM	1	0	ANT4	DSI5&6	17.03	17.10	16.96	17.50
3	64QAM	1	7	ANT4	DSI5&6	17.14	17.06	17.12	17.50
3	64QAM	1	14	ANT4	DSI5&6	16.95	17.02	16.95	17.50
3	64QAM	8	0	ANT4	DSI5&6	17.12	17.06	16.99	17.50
3	64QAM	8	3	ANT4	DSI5&6	16.95	17.05	17.12	17.50
3	64QAM	8	7	ANT4	DSI5&6	17.02	16.97	17.01	17.50
3	64QAM	15	0	ANT4	DSI5&6	17.02	16.97	17.03	17.50
3	256QAM	1	0	ANT4	DSI5&6	17.15	17.14	17.03	17.50
3	256QAM	1	7	ANT4	DSI5&6	17.13	17.10	17.06	17.50
3	256QAM	1	14	ANT4	DSI5&6	17.01	17.02	17.05	17.50
3	256QAM	8	0	ANT4	DSI5&6	17.07	17.04	17.15	17.50
3	256QAM	8	3	ANT4	DSI5&6	17.13	17.08	17.01	17.50
3	256QAM	8	7	ANT4	DSI5&6	17.03	16.99	17.09	17.50
3	256QAM	15	0	ANT4	DSI5&6	16.98	17.07	16.99	17.50

Band				LTE Band66(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	131997	132322	132647	Tune-up power(dBm)
5	QPSK	1	0	ANT4	DSI5&6	16.99	17.14	17.01	17.50
5	QPSK	1	12	ANT4	DSI5&6	17.04	17.12	16.99	17.50
5	QPSK	1	24	ANT4	DSI5&6	17.03	17.09	17.14	17.50
5	QPSK	12	0	ANT4	DSI5&6	17.04	16.98	17.05	17.50
5	QPSK	12	6	ANT4	DSI5&6	17.04	17.13	17.02	17.50
5	QPSK	12	13	ANT4	DSI5&6	17.02	17.12	17.12	17.50
5	QPSK	25	0	ANT4	DSI5&6	17.01	17.00	16.95	17.50
5	16QAM	1	0	ANT4	DSI5&6	17.03	16.97	17.15	17.50
5	16QAM	1	12	ANT4	DSI5&6	16.98	17.07	17.03	17.50
5	16QAM	1	24	ANT4	DSI5&6	16.96	17.04	17.13	17.50
5	16QAM	12	0	ANT4	DSI5&6	17.13	17.01	17.02	17.50
5	16QAM	12	6	ANT4	DSI5&6	17.11	17.14	17.11	17.50
5	16QAM	12	13	ANT4	DSI5&6	17.00	17.05	17.12	17.50
5	16QAM	25	0	ANT4	DSI5&6	17.09	17.00	16.99	17.50
5	64QAM	1	0	ANT4	DSI5&6	17.08	16.96	16.97	17.50
5	64QAM	1	12	ANT4	DSI5&6	17.14	17.14	17.12	17.50
5	64QAM	1	24	ANT4	DSI5&6	17.02	17.13	17.01	17.50
5	64QAM	12	0	ANT4	DSI5&6	17.12	16.95	16.99	17.50
5	64QAM	12	6	ANT4	DSI5&6	17.13	17.02	17.13	17.50
5	64QAM	12	13	ANT4	DSI5&6	17.12	17.08	17.02	17.50
5	64QAM	25	0	ANT4	DSI5&6	16.98	17.11	16.96	17.50
5	256QAM	1	0	ANT4	DSI5&6	16.96	17.10	16.95	17.50
5	256QAM	1	12	ANT4	DSI5&6	16.97	17.08	17.01	17.50
5	256QAM	1	24	ANT4	DSI5&6	17.06	17.07	17.12	17.50
5	256QAM	12	0	ANT4	DSI5&6	17.06	17.00	16.98	17.50
5	256QAM	12	6	ANT4	DSI5&6	17.10	16.95	16.97	17.50
5	256QAM	12	13	ANT4	DSI5&6	17.03	16.96	17.00	17.50
5	256QAM	25	0	ANT4	DSI5&6	17.07	17.15	16.96	17.50

Band				LTE Band66(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	132022	132322	132622	Tune-up power(dBm)
10	QPSK	1	0	ANT4	DSI5&6	17.10	17.13	17.05	17.50
10	QPSK	1	24	ANT4	DSI5&6	17.10	17.07	17.13	17.50
10	QPSK	1	49	ANT4	DSI5&6	17.01	17.07	17.02	17.50
10	QPSK	25	0	ANT4	DSI5&6	16.98	17.00	16.97	17.50
10	QPSK	25	12	ANT4	DSI5&6	16.97	17.08	17.09	17.50
10	QPSK	25	25	ANT4	DSI5&6	16.97	17.06	17.15	17.50
10	QPSK	50	0	ANT4	DSI5&6	17.06	17.03	17.15	17.50
10	16QAM	1	0	ANT4	DSI5&6	16.99	17.15	17.11	17.50
10	16QAM	1	24	ANT4	DSI5&6	17.04	17.11	16.99	17.50
10	16QAM	1	49	ANT4	DSI5&6	17.10	17.11	17.11	17.50
10	16QAM	25	0	ANT4	DSI5&6	17.06	17.11	16.95	17.50
10	16QAM	25	12	ANT4	DSI5&6	17.01	17.06	17.06	17.50
10	16QAM	25	25	ANT4	DSI5&6	17.01	17.10	17.12	17.50
10	16QAM	50	0	ANT4	DSI5&6	16.95	17.00	17.15	17.50
10	64QAM	1	0	ANT4	DSI5&6	17.09	17.15	17.10	17.50
10	64QAM	1	24	ANT4	DSI5&6	16.96	17.01	17.08	17.50
10	64QAM	1	49	ANT4	DSI5&6	17.03	17.14	16.98	17.50
10	64QAM	25	0	ANT4	DSI5&6	17.04	17.11	17.11	17.50
10	64QAM	25	12	ANT4	DSI5&6	17.14	17.02	16.95	17.50
10	64QAM	25	25	ANT4	DSI5&6	16.98	17.06	17.03	17.50
10	64QAM	50	0	ANT4	DSI5&6	17.09	16.97	16.95	17.50
10	256QAM	1	0	ANT4	DSI5&6	17.08	16.98	16.98	17.50
10	256QAM	1	24	ANT4	DSI5&6	17.04	17.01	17.00	17.50
10	256QAM	1	49	ANT4	DSI5&6	17.00	16.96	17.14	17.50
10	256QAM	25	0	ANT4	DSI5&6	17.06	17.02	17.12	17.50
10	256QAM	25	12	ANT4	DSI5&6	17.08	17.12	17.06	17.50
10	256QAM	25	25	ANT4	DSI5&6	17.13	17.02	17.04	17.50
10	256QAM	50	0	ANT4	DSI5&6	17.12	17.03	17.02	17.50

Band				LTE Band66(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	132047	132322	132597	Tune-up power(dBm)
15	QPSK	1	0	ANT4	DSI5&6	17.03	17.13	17.03	17.50
15	QPSK	1	37	ANT4	DSI5&6	17.13	17.15	17.09	17.50
15	QPSK	1	74	ANT4	DSI5&6	16.96	17.10	17.04	17.50
15	QPSK	36	0	ANT4	DSI5&6	17.00	17.03	17.11	17.50
15	QPSK	36	19	ANT4	DSI5&6	16.95	17.06	17.02	17.50
15	QPSK	36	39	ANT4	DSI5&6	17.02	17.05	17.12	17.50
15	QPSK	75	0	ANT4	DSI5&6	16.99	17.15	17.14	17.50
15	16QAM	1	0	ANT4	DSI5&6	17.11	16.95	17.02	17.50
15	16QAM	1	37	ANT4	DSI5&6	17.15	17.03	17.10	17.50
15	16QAM	1	74	ANT4	DSI5&6	17.01	17.01	17.13	17.50
15	16QAM	36	0	ANT4	DSI5&6	16.97	17.14	17.12	17.50
15	16QAM	36	19	ANT4	DSI5&6	17.02	17.09	17.06	17.50
15	16QAM	36	39	ANT4	DSI5&6	17.01	17.08	17.03	17.50
15	16QAM	75	0	ANT4	DSI5&6	17.14	16.95	17.12	17.50
15	64QAM	1	0	ANT4	DSI5&6	17.06	17.02	17.14	17.50
15	64QAM	1	37	ANT4	DSI5&6	17.03	16.96	16.96	17.50
15	64QAM	1	74	ANT4	DSI5&6	17.07	17.09	17.15	17.50
15	64QAM	36	0	ANT4	DSI5&6	17.08	16.97	17.13	17.50
15	64QAM	36	19	ANT4	DSI5&6	16.97	17.08	17.00	17.50
15	64QAM	36	39	ANT4	DSI5&6	17.07	16.97	17.15	17.50
15	64QAM	75	0	ANT4	DSI5&6	17.08	17.02	16.96	17.50
15	256QAM	1	0	ANT4	DSI5&6	16.96	16.98	16.96	17.50
15	256QAM	1	37	ANT4	DSI5&6	17.14	17.06	17.00	17.50
15	256QAM	1	74	ANT4	DSI5&6	17.02	17.02	17.07	17.50
15	256QAM	36	0	ANT4	DSI5&6	17.15	16.97	17.01	17.50
15	256QAM	36	19	ANT4	DSI5&6	17.02	17.00	17.08	17.50
15	256QAM	36	39	ANT4	DSI5&6	17.04	16.96	16.97	17.50
15	256QAM	75	0	ANT4	DSI5&6	17.02	17.01	17.07	17.50

Band				LTE Band66(ENDC)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	132072	132322	132572	Tune-up power(dBm)
20	QPSK	1	0	ANT4	DSI5&6	17.06	16.96	16.96	17.50
20	QPSK	1	49	ANT4	DSI5&6	17.01	17.07	17.14	17.50
20	QPSK	1	99	ANT4	DSI5&6	17.09	17.09	17.10	17.50
20	QPSK	50	0	ANT4	DSI5&6	17.07	16.97	17.11	17.50
20	QPSK	50	25	ANT4	DSI5&6	17.04	17.02	17.01	17.50
20	QPSK	50	50	ANT4	DSI5&6	17.15	17.08	17.12	17.50
20	QPSK	100	0	ANT4	DSI5&6	17.11	17.00	16.98	17.50
20	16QAM	1	0	ANT4	DSI5&6	17.13	17.12	17.00	17.50
20	16QAM	1	49	ANT4	DSI5&6	17.13	17.12	17.06	17.50
20	16QAM	1	99	ANT4	DSI5&6	17.15	17.04	17.06	17.50
20	16QAM	50	0	ANT4	DSI5&6	17.08	17.06	16.97	17.50
20	16QAM	50	25	ANT4	DSI5&6	16.99	17.13	17.01	17.50
20	16QAM	50	50	ANT4	DSI5&6	17.04	17.14	16.99	17.50
20	16QAM	100	0	ANT4	DSI5&6	17.05	17.15	17.10	17.50
20	64QAM	1	0	ANT4	DSI5&6	17.15	17.09	17.03	17.50
20	64QAM	1	49	ANT4	DSI5&6	17.06	17.12	17.13	17.50
20	64QAM	1	99	ANT4	DSI5&6	17.12	17.04	17.13	17.50
20	64QAM	50	0	ANT4	DSI5&6	17.12	17.12	17.09	17.50
20	64QAM	50	25	ANT4	DSI5&6	17.14	17.11	17.05	17.50
20	64QAM	50	50	ANT4	DSI5&6	17.06	17.00	17.07	17.50
20	64QAM	100	0	ANT4	DSI5&6	17.10	16.98	16.95	17.50
20	256QAM	1	0	ANT4	DSI5&6	17.05	17.13	16.97	17.50
20	256QAM	1	49	ANT4	DSI5&6	17.13	17.14	17.12	17.50
20	256QAM	1	99	ANT4	DSI5&6	17.15	16.95	17.08	17.50
20	256QAM	50	0	ANT4	DSI5&6	17.04	17.12	17.14	17.50
20	256QAM	50	25	ANT4	DSI5&6	17.06	17.07	17.15	17.50
20	256QAM	50	50	ANT4	DSI5&6	17.02	17.07	16.97	17.50
20	256QAM	100	0	ANT4	DSI5&6	17.05	17.05	17.00	17.50

N2-ANT0 Full Power&DSI4&5&6(ENDC)							
Bandwidth (MHz)	Modulation	Channel		370500	376000	381500	Tune-up power(dBm)
		RB Size	RB offset	1852.5	1880	1907.5	
5	DFT-s-OFDM BPSK	1	1	24.10	24.11	24.33	24.50
Bandwidth (MHz)	Modulation	Channel		371000	376000	381000	Tune-up power(dBm)
		RB Size	RB offset	1855	1880	1905	
10	DFT-s-OFDM BPSK	1	1	23.97	24.16	24.32	24.50
Bandwidth (MHz)	Modulation	Channel		371500	376000	380500	Tune-up power(dBm)
		RB Size	RB offset	1857.5	1880	1902.5	
15	DFT-s-OFDM BPSK	1	1	23.99	23.88	24.21	24.50
Bandwidth (MHz)	Modulation	Channel		372000	376000	380000	Tune-up power(dBm)
		RB Size	RB offset	1860	1880	1900	
20	DFT-s-OFDM BPSK	1	1	23.81	23.94	23.89	24.50
		1	53	23.74	23.81	23.99	24.50
		1	104	23.73	23.85	24.02	24.50
		50	0	23.35	23.29	23.29	24.00
	DFT-s-OFDM BPSK	50	28	23.61	23.73	23.55	24.50
		50	56	23.25	23.28	23.47	24.00
		100	0	23.19	23.33	23.15	24.00
	DFT-s-OFDM QPSK	1	1	23.96	24.01	24.13	24.50
		1	53	23.95	24.09	24.29	24.50
		1	104	24.08	23.94	23.79	24.50
		50	0	22.98	22.78	22.63	23.50
	DFT-s-OFDM QPSK	50	28	23.68	23.79	23.95	24.50
		50	56	22.80	22.66	22.62	23.50
		100	0	22.75	22.69	22.67	23.50
	DFT-s-OFDM 16QAM	1	1	23.05	22.97	22.78	23.50
	DFT-s-OFDM 64QAM	1	1	21.30	21.20	21.22	22.00
	DFT-s-OFDM 256QAM	1	1	19.18	19.37	19.45	20.00
	CP-OFDM QPSK	1	1	22.26	22.32	22.39	23.00
	CP-OFDM 16QAM	1	1	22.06	22.08	22.11	22.50
	CP-OFDM 64QAM	1	1	20.25	20.12	19.97	21.00
	CP-OFDM 256QAM	1	1	17.14	17.11	17.21	18.00

N2-ANT0 DS1&2(ENDC)							
Bandwidth (MHz)	Modulation	Channel		370500	376000	381500	Tune-up power(dBm)
		RB Size	RB offset	1852.5	1880	1907.5	
5	DFT-s-OFDM BPSK	1	1	22.24	22.16	22.36	22.50
Bandwidth (MHz)	Modulation	Channel		371000	376000	381000	Tune-up power(dBm)
		RB Size	RB offset	1855	1880	1905	
10	DFT-s-OFDM BPSK	1	1	22.18	22.08	22.21	22.50
Bandwidth (MHz)	Modulation	Channel		371500	376000	380500	Tune-up power(dBm)
		RB Size	RB offset	1857.5	1880	1902.5	
15	DFT-s-OFDM BPSK	1	1	22.10	22.01	22.15	22.50
Bandwidth (MHz)	Modulation	Channel		372000	376000	380000	Tune-up power(dBm)
		RB Size	RB offset	1860	1880	1900	
20	DFT-s-OFDM BPSK	1	1	22.16	22.07	22.05	22.50
		1	53	22.09	22.01	22.09	22.50
		1	104	22.12	22.08	22.09	22.50
	DFT-s-OFDM BPSK	50	0	22.13	22.04	22.01	22.50
		50	28	22.13	21.98	22.02	22.50
		50	56	21.84	22.00	22.19	22.50
	DFT-s-OFDM BPSK	100	0	22.16	22.02	22.07	22.50
		1	1	22.06	22.12	22.31	22.50
		1	53	22.32	22.15	22.33	22.50
	DFT-s-OFDM QPSK	1	104	21.91	22.10	21.95	22.50
		50	0	22.12	22.10	21.96	22.50
		50	28	22.05	22.11	22.27	22.50
	DFT-s-OFDM QPSK	50	56	21.91	22.05	22.03	22.50
		100	0	22.05	22.12	22.04	22.50
		1	1	22.07	21.96	21.94	22.50
	DFT-s-OFDM 16QAM	1	1	21.21	21.15	21.18	22.00
	DFT-s-OFDM 64QAM	1	1	19.45	19.34	19.19	20.00
	DFT-s-OFDM 256QAM	1	1	19.45	19.34	19.19	20.00
	CP-OFDM QPSK	1	1	22.17	22.07	22.01	22.50
	CP-OFDM 16QAM	1	1	21.61	21.46	21.45	22.50
	CP-OFDM 64QAM	1	1	19.79	19.68	19.69	21.00
	CP-OFDM 256QAM	1	1	16.86	16.98	17.14	18.00

N2-ANT0 DSI3(ENDC)							
Bandwidth (MHz)	Modulation	Channel		370500	376000	381500	Tune-up power(dBm)
		RB Size	RB offset	1852.5	1880	1907.5	
5	DFT-s-OFDM BPSK	1	1	22.90	22.78	22.61	23.00
Bandwidth (MHz)	Modulation	Channel		371000	376000	381000	Tune-up power(dBm)
		RB Size	RB offset	1855	1880	1905	
10	DFT-s-OFDM BPSK	1	1	22.86	22.84	22.32	23.00
Bandwidth (MHz)	Modulation	Channel		371500	376000	380500	Tune-up power(dBm)
		RB Size	RB offset	1857.5	1880	1902.5	
15	DFT-s-OFDM BPSK	1	1	22.52	22.73	22.38	23.00
Bandwidth (MHz)	Modulation	Channel		372000	376000	380000	Tune-up power(dBm)
		RB Size	RB offset	1860	1880	1900	
20	DFT-s-OFDM BPSK	1	1	22.16	22.60	22.05	23.00
		1	53	22.09	22.59	22.09	23.00
		1	104	22.12	22.54	22.09	23.00
		50	0	22.62	22.55	22.64	23.00
	DFT-s-OFDM BPSK	50	28	22.55	22.55	22.75	23.00
		50	56	22.51	22.55	22.47	23.00
		100	0	22.70	22.55	22.49	23.00
	DFT-s-OFDM QPSK	1	1	22.71	22.64	22.52	23.00
		1	53	22.41	22.58	22.55	23.00
		1	104	22.66	22.54	22.50	23.00
	DFT-s-OFDM QPSK	50	0	22.69	22.51	22.55	23.00
		50	28	22.58	22.55	22.57	23.00
		50	56	22.52	22.60	22.67	23.00
	DFT-s-OFDM QPSK	100	0	22.53	22.54	22.68	23.00
	DFT-s-OFDM 16QAM	1	1	22.70	22.83	22.92	23.00
	DFT-s-OFDM 64QAM	1	1	21.02	21.16	21.25	22.00
	DFT-s-OFDM 256QAM	1	1	19.03	19.02	19.14	20.00
	CP-OFDM QPSK	1	1	21.95	22.08	21.90	23.00
	CP-OFDM 16QAM	1	1	22.24	22.23	22.03	22.50
	CP-OFDM 64QAM	1	1	19.63	19.66	19.67	21.00
	CP-OFDM 256QAM	1	1	16.85	17.04	16.98	18.00

N2-ANT4 Full Power(ENDC)							
Bandwidth (MHz)	Modulation	Channel		370500	376000	381500	Tune-up power(dBm)
		RB Size	RB offset	1852.5	1880	1907.5	
5	DFT-s-OFDM BPSK	1	1	23.72	23.95	24.01	24.50
Bandwidth (MHz)	Modulation	Channel		371000	376000	381000	Tune-up power(dBm)
		RB Size	RB offset	1855	1880	1905	
10	DFT-s-OFDM BPSK	1	1	23.80	24.00	24.06	24.50
Bandwidth (MHz)	Modulation	Channel		371500	376000	380500	Tune-up power(dBm)
		RB Size	RB offset	1857.5	1880	1902.5	
15	DFT-s-OFDM BPSK	1	1	23.96	23.84	23.98	24.50
Bandwidth (MHz)	Modulation	Channel		372000	376000	380000	Tune-up power(dBm)
		RB Size	RB offset	1860	1880	1900	
20	DFT-s-OFDM BPSK	1	1	23.84	23.88	23.88	24.50
		1	53	23.96	23.90	23.98	24.50
		1	104	23.96	23.91	24.08	24.50
		50	0	23.28	23.44	23.59	24.00
	DFT-s-OFDM BPSK	50	28	23.89	23.94	24.04	24.50
		50	56	23.21	23.40	23.29	24.00
		100	0	23.46	23.41	23.53	24.00
	DFT-s-OFDM QPSK	1	1	23.92	24.02	23.87	24.50
		1	53	24.30	24.13	24.09	24.50
		1	104	24.10	23.97	24.07	24.50
		50	0	22.78	22.91	22.84	23.50
	DFT-s-OFDM QPSK	50	28	23.79	23.81	23.85	24.50
		50	56	22.74	22.92	22.98	23.50
		100	0	22.82	22.82	22.63	23.50
	DFT-s-OFDM 16QAM	1	1	23.10	22.96	23.15	23.50
	DFT-s-OFDM 64QAM	1	1	21.39	21.46	21.63	22.00
	DFT-s-OFDM 256QAM	1	1	19.82	19.71	19.62	20.00
	CP-OFDM QPSK	1	1	22.27	22.33	22.13	23.00
	CP-OFDM 16QAM	1	1	22.14	22.01	22.20	22.50
	CP-OFDM 64QAM	1	1	20.41	20.40	20.31	21.00
	CP-OFDM 256QAM	1	1	17.38	17.45	17.58	18.00

N2-ANT4 DS1&2(ENDC)							
Bandwidth (MHz)	Modulation	Channel		370500	376000	381500	Tune-up power(dBm)
		RB Size	RB offset	1852.5	1880	1907.5	
5	DFT-s-OFDM BPSK	1	1	21.55	21.46	21.65	22.00
Bandwidth (MHz)	Modulation	Channel		371000	376000	381000	Tune-up power(dBm)
		RB Size	RB offset	1855	1880	1905	
10	DFT-s-OFDM BPSK	1	1	21.75	21.54	21.77	22.00
Bandwidth (MHz)	Modulation	Channel		371500	376000	380500	Tune-up power(dBm)
		RB Size	RB offset	1857.5	1880	1902.5	
15	DFT-s-OFDM BPSK	1	1	21.78	21.50	21.70	22.00
Bandwidth (MHz)	Modulation	Channel		372000	376000	380000	Tune-up power(dBm)
		RB Size	RB offset	1860	1880	1900	
20	DFT-s-OFDM BPSK	1	1	21.51	21.31	21.46	22.00
		1	53	21.53	21.32	21.50	22.00
		1	104	21.51	21.35	21.54	22.00
		50	0	21.39	21.30	21.42	22.00
	DFT-s-OFDM BPSK	50	28	21.37	21.44	21.38	22.00
		50	56	21.32	21.34	21.71	22.00
		100	0	21.57	21.32	21.60	22.00
	DFT-s-OFDM QPSK	1	1	21.60	21.35	21.75	22.00
		1	53	21.71	21.33	21.49	22.00
		1	104	21.53	21.34	21.47	22.00
		50	0	21.45	21.33	21.55	22.00
	DFT-s-OFDM QPSK	50	28	21.55	21.30	21.35	22.00
		50	56	21.47	21.34	21.52	22.00
		100	0	21.37	21.32	21.50	22.00
	DFT-s-OFDM 16QAM	1	1	21.59	21.68	21.82	22.00
	DFT-s-OFDM 64QAM	1	1	21.11	21.30	21.20	22.00
	DFT-s-OFDM 256QAM	1	1	19.50	19.58	19.60	20.00
	CP-OFDM QPSK	1	1	21.46	21.42	21.50	22.00
	CP-OFDM 16QAM	1	1	21.71	21.80	21.77	22.00
	CP-OFDM 64QAM	1	1	20.30	20.16	20.25	21.00
	CP-OFDM 256QAM	1	1	17.36	17.39	17.24	18.00

N2-ANT4 DSI3(ENDC)							
Bandwidth (MHz)	Modulation	Channel		370500	376000	381500	Tune-up power(dBm)
		RB Size	RB offset	1852.5	1880	1907.5	
5	DFT-s-OFDM BPSK	1	1	17.77	17.61	17.74	19.50
Bandwidth (MHz)	Modulation	Channel		371000	376000	381000	Tune-up power(dBm)
		RB Size	RB offset	1855	1880	1905	
10	DFT-s-OFDM BPSK	1	1	17.76	17.65	17.79	19.50
Bandwidth (MHz)	Modulation	Channel		371500	376000	380500	Tune-up power(dBm)
		RB Size	RB offset	1857.5	1880	1902.5	
15	DFT-s-OFDM BPSK	1	1	17.74	17.63	17.77	19.50
Bandwidth (MHz)	Modulation	Channel		372000	376000	380000	Tune-up power(dBm)
		RB Size	RB offset	1860	1880	1900	
20	DFT-s-OFDM BPSK	1	1	17.71	17.51	17.65	19.50
		1	53	17.50	17.52	17.51	19.50
		1	104	17.54	17.64	17.72	19.50
		50	0	17.68	17.59	17.59	19.50
	DFT-s-OFDM BPSK	50	28	17.80	17.89	17.88	19.50
		50	56	17.70	17.60	17.65	19.50
		100	0	17.73	17.62	17.56	19.50
	DFT-s-OFDM QPSK	1	1	17.56	17.51	17.53	19.50
		1	53	17.69	17.53	17.52	19.50
		1	104	17.69	17.56	17.55	19.50
		50	0	17.62	17.68	17.67	19.50
	DFT-s-OFDM QPSK	50	28	17.63	17.58	17.52	19.50
		50	56	17.66	17.50	17.58	19.50
		100	0	17.67	17.56	17.60	19.50
	DFT-s-OFDM 16QAM	1	1	17.68	17.74	17.73	19.50
	DFT-s-OFDM 64QAM	1	1	17.71	17.55	17.62	19.50
	DFT-s-OFDM 256QAM	1	1	18.07	17.85	17.75	19.50
	CP-OFDM QPSK	1	1	17.69	17.73	17.80	19.50
	CP-OFDM 16QAM	1	1	17.66	17.50	17.58	19.50
	CP-OFDM 64QAM	1	1	17.63	17.58	17.60	19.50
	CP-OFDM 256QAM	1	1	16.78	16.95	16.89	18.00

N2-ANT4 DSI4(ENDC)							
Bandwidth (MHz)	Modulation	Channel		370500	376000	381500	Tune-up power(dBm)
		RB Size	RB offset	1852.5	1880	1907.5	
5	DFT-s-OFDM BPSK	1	1	17.19	17.12	17.11	18.50
Bandwidth (MHz)	Modulation	Channel		371000	376000	381000	Tune-up power(dBm)
		RB Size	RB offset	1855	1880	1905	
10	DFT-s-OFDM BPSK	1	1	17.06	17.15	17.08	18.50
Bandwidth (MHz)	Modulation	Channel		371500	376000	380500	Tune-up power(dBm)
		RB Size	RB offset	1857.5	1880	1902.5	
15	DFT-s-OFDM BPSK	1	1	17.06	17.12	17.13	18.50
Bandwidth (MHz)	Modulation	Channel		372000	376000	380000	Tune-up power(dBm)
		RB Size	RB offset	1860	1880	1900	
20	DFT-s-OFDM BPSK	1	1	16.88	16.99	17.19	18.50
		1	53	17.13	17.01	16.86	18.50
		1	104	17.11	17.11	17.27	18.50
		50	0	16.92	17.05	16.95	18.50
	DFT-s-OFDM BPSK	50	28	17.16	17.17	17.08	18.50
		50	56	17.16	16.97	17.07	18.50
		100	0	17.11	16.92	16.80	18.50
	DFT-s-OFDM QPSK	1	1	17.00	16.95	17.10	18.50
		1	53	16.81	17.00	16.90	18.50
		1	104	17.29	17.15	17.03	18.50
	DFT-s-OFDM QPSK	50	0	16.92	17.03	16.90	18.50
		50	28	17.24	17.09	17.18	18.50
		50	56	16.96	16.94	16.78	18.50
	DFT-s-OFDM QPSK	100	0	16.79	16.88	16.93	18.50
	DFT-s-OFDM 16QAM	1	1	17.27	17.14	17.20	18.50
	DFT-s-OFDM 64QAM	1	1	16.78	16.93	16.77	18.50
	DFT-s-OFDM 256QAM	1	1	17.17	17.31	17.35	18.50
	CP-OFDM QPSK	1	1	17.23	17.23	17.14	18.50
	CP-OFDM 16QAM	1	1	17.00	17.07	17.26	18.50
	CP-OFDM 64QAM	1	1	17.17	17.04	16.90	18.50
	CP-OFDM 256QAM	1	1	16.91	16.94	16.89	18.00

N2-ANT4 DSI5&6(ENDC)							
Bandwidth (MHz)	Modulation	Channel		370500	376000	381500	Tune-up power(dBm)
		RB Size	RB offset	1852.5	1880	1907.5	
5	DFT-s-OFDM BPSK	1	1	15.01	15.33	14.99	16.50
Bandwidth (MHz)	Modulation	Channel		371000	376000	381000	Tune-up power(dBm)
		RB Size	RB offset	1855	1880	1905	
10	DFT-s-OFDM BPSK	1	1	15.01	15.25	15.25	16.50
Bandwidth (MHz)	Modulation	Channel		371500	376000	380500	Tune-up power(dBm)
		RB Size	RB offset	1857.5	1880	1902.5	
15	DFT-s-OFDM BPSK	1	1	15.21	15.03	15.20	16.50
Bandwidth (MHz)	Modulation	Channel		372000	376000	380000	Tune-up power(dBm)
		RB Size	RB offset	1860	1880	1900	
20	DFT-s-OFDM BPSK	1	1	15.15	14.99	14.94	16.50
		1	53	15.02	15.01	14.81	16.50
		1	104	15.05	14.96	14.77	16.50
		50	0	14.97	15.02	14.82	16.50
	DFT-s-OFDM BPSK	50	28	14.97	15.00	15.19	16.50
		50	56	15.09	14.92	15.10	16.50
		100	0	15.11	15.15	15.26	16.50
	DFT-s-OFDM QPSK	1	1	14.92	14.93	14.77	16.50
		1	53	14.97	14.86	14.97	16.50
		1	104	15.03	14.90	15.04	16.50
		50	0	14.82	14.97	14.88	16.50
	DFT-s-OFDM QPSK	50	28	15.17	14.97	14.99	16.50
		50	56	14.65	14.80	14.96	16.50
		100	0	15.21	15.16	15.12	16.50
	DFT-s-OFDM 16QAM	1	1	15.23	15.16	15.22	16.50
	DFT-s-OFDM 64QAM	1	1	15.06	14.96	15.02	16.50
	DFT-s-OFDM 256QAM	1	1	15.15	15.28	15.13	16.50
	CP-OFDM QPSK	1	1	15.31	15.22	15.11	16.50
	CP-OFDM 16QAM	1	1	15.20	15.03	15.06	16.50
	CP-OFDM 64QAM	1	1	15.02	15.03	15.11	16.50
	CP-OFDM 256QAM	1	1	14.93	14.88	15.06	16.50

N5-ANT0 Full Power&DS1&2&3&4&5&6(ENDC)							
Bandwidth (MHz)	Modulation	Channel		165300	167300	169300	Tune-up power(dBm)
		RB Size	RB offset	826.5	836.5	846.5	
5	DFT-s-OFDM BPSK	1	1	24.91	24.96	24.91	25.00
Bandwidth (MHz)	Modulation	Channel		165800	167300	168800	Tune-up power(dBm)
		RB Size	RB offset	829	836.5	844	
10	DFT-s-OFDM BPSK	1	1	24.92	24.97	24.93	25.00
Bandwidth (MHz)	Modulation	Channel		166300	167300	168300	Tune-up power(dBm)
		RB Size	RB offset	831.5	836.5	841.5	
15	DFT-s-OFDM BPSK	1	1	24.91	24.97	24.95	25.00
Bandwidth (MHz)	Modulation	Channel		166800	167300	167800	Tune-up power(dBm)
		RB Size	RB offset	834	836.5	839	
20	DFT-s-OFDM BPSK	1	1	24.95	24.98	24.96	25.00
		1	67	24.38	24.44	24.42	25.00
		1	131	24.83	24.82	24.84	25.00
	DFT-s-OFDM BPSK	64	0	24.19	24.15	24.11	24.50
		64	35	24.66	24.70	24.65	25.00
		64	69	24.36	24.34	24.35	24.50
	DFT-s-OFDM BPSK	128	0	24.02	24.09	24.03	24.50
		1	1	24.59	24.59	24.6	25.00
		1	67	24.29	24.39	24.38	25.00
	DFT-s-OFDM QPSK	1	131	24.82	24.87	24.89	25.00
		64	0	23.64	23.65	23.65	24.00
		64	35	24.61	24.59	24.52	25.00
		64	69	23.8	23.82	23.79	24.00
		128	0	23.66	23.65	23.64	24.00
	DFT-s-OFDM 16QAM	1	1	23.56	23.58	23.57	24.00
	DFT-s-OFDM 64QAM	1	1	22.2	22.26	22.25	22.50
	DFT-s-OFDM 256QAM	1	1	20.36	20.38	20.32	20.50
	CP-OFDM QPSK	1	1	23.33	23.38	23.3	23.50
	CP-OFDM 16QAM	1	1	22.76	22.78	22.73	23.00
	CP-OFDM 64QAM	1	1	21.28	21.24	21.27	21.50
	CP-OFDM 256QAM	1	1	18.37	18.38	18.31	18.50

N66-ANT0 Full Power&DSI4&5&6(ENDC)							
Bandwidth (MHz)	Modulation	Channel		342500	349000	355500	Tune-up power(dBm)
		RB Size	RB offset	1712.5	1745	1777.5	
5	DFT-s-OFDM BPSK	1	1	23.69	23.92	24.03	24.50
Bandwidth (MHz)	Modulation	Channel		343000	349000	355000	Tune-up power(dBm)
		RB Size	RB offset	1715	1745	1775	
10	DFT-s-OFDM BPSK	1	1	23.67	23.91	24.06	24.50
Bandwidth (MHz)	Modulation	Channel		343500	349000	354500	Tune-up power(dBm)
		RB Size	RB offset	1717.5	1745	1772.5	
15	DFT-s-OFDM BPSK	1	1	23.67	23.94	23.98	24.50
Bandwidth (MHz)	Modulation	Channel		344000	349000	354000	Tune-up power(dBm)
		RB Size	RB offset	1720	1745	1770	
20	DFT-s-OFDM BPSK	1	1	23.69	23.95	24.00	24.50
Bandwidth (MHz)	Modulation	Channel		344500	349000	353500	Tune-up power(dBm)
		RB Size	RB offset	1722.5	1745	1767.5	
25	DFT-s-OFDM BPSK	1	1	23.71	23.87	24.03	24.50
Bandwidth (MHz)	Modulation	Channel		345000	349000	353000	Tune-up power(dBm)
		RB Size	RB offset	1725	1745	1765	
30	DFT-s-OFDM BPSK	1	1	23.68	23.96	24.08	24.50
Bandwidth (MHz)	Modulation	Channel		346000	349000	352000	Tune-up power(dBm)
		RB Size	RB offset	1730	1745	1760	
40	DFT-s-OFDM BPSK	1	1	23.87	23.89	23.80	24.50
		1	108	23.82	23.86	23.90	24.50
		1	214	23.69	23.88	23.84	24.50
	DFT-s-OFDM BPSK	108	0	23.47	23.32	23.46	24.00
		108	54	23.72	23.88	23.99	24.50
		108	108	23.17	23.23	23.34	24.00
	DFT-s-OFDM BPSK	216	0	23.59	23.43	23.63	24.00
		1	1	23.62	23.77	23.88	24.50
		1	108	23.74	23.78	23.52	24.50
		1	214	23.68	23.78	23.62	24.50
	DFT-s-OFDM QPSK	108	0	23.02	22.86	22.77	23.50
		108	54	24.00	23.87	23.77	24.50
		108	108	22.83	22.98	22.78	23.50
	DFT-s-OFDM QPSK	216	0	22.97	22.88	22.85	23.50
		1	1	22.86	22.97	22.97	23.50
		1	1	21.26	21.38	21.54	22.00
	DFT-s-OFDM 16QAM	1	1	19.46	19.54	19.46	20.00
		1	1	22.20	22.38	22.18	23.00
		1	1	21.86	21.82	21.91	22.50
	CP-OFDM 16QAM	1	1	20.27	20.35	20.49	21.00
		1	1	17.13	17.23	17.38	18.00
		1	1	17.13	17.23	17.38	18.00

N66-ANT0 DSI1&2&3(ENDC)							
Bandwidth (MHz)	Modulation	Channel		342500	349000	355500	Tune-up power(dBm)
		RB Size	RB offset	1712.5	1745	1777.5	
5	DFT-s-OFDM BPSK	1	1	22.55	22.83	22.64	23.00
Bandwidth (MHz)	Modulation	Channel		343000	349000	355000	Tune-up power(dBm)
		RB Size	RB offset	1715	1745	1775	
10	DFT-s-OFDM BPSK	1	1	22.77	22.97	22.93	23.00
Bandwidth (MHz)	Modulation	Channel		343500	349000	354500	Tune-up power(dBm)
		RB Size	RB offset	1717.5	1745	1772.5	
15	DFT-s-OFDM BPSK	1	1	22.52	22.95	22.64	23.00
Bandwidth (MHz)	Modulation	Channel		344000	349000	354000	Tune-up power(dBm)
		RB Size	RB offset	1720	1745	1770	
20	DFT-s-OFDM BPSK	1	1	22.88	22.93	22.98	23.00
Bandwidth (MHz)	Modulation	Channel		344500	349000	353500	Tune-up power(dBm)
		RB Size	RB offset	1722.5	1745	1767.5	
25	DFT-s-OFDM BPSK	1	1	22.75	22.73	22.71	23.00
Bandwidth (MHz)	Modulation	Channel		345000	349000	353000	Tune-up power(dBm)
		RB Size	RB offset	1725	1745	1765	
30	DFT-s-OFDM BPSK	1	1	22.85	22.81	22.61	23.00
Bandwidth (MHz)	Modulation	Channel		346000	349000	352000	Tune-up power(dBm)
		RB Size	RB offset	1730	1745	1760	
40	DFT-s-OFDM BPSK	1	1	22.68	22.69	22.66	23.00
		1	108	22.64	22.67	22.65	23.00
		1	214	22.64	22.67	22.69	23.00
	DFT-s-OFDM BPSK	108	0	22.83	22.65	22.65	23.00
		108	54	22.46	22.64	22.44	23.00
		108	108	22.63	22.76	22.95	23.00
	DFT-s-OFDM BPSK	216	0	22.85	22.73	22.87	23.00
		1	1	22.69	22.87	22.78	23.00
	DFT-s-OFDM QPSK	1	108	22.73	22.70	22.52	23.00
		1	214	22.69	22.71	22.54	23.00
		108	0	22.83	22.68	22.75	23.00
	DFT-s-OFDM QPSK	108	54	22.68	22.69	22.85	23.00
		108	108	22.74	22.73	22.80	23.00
		216	0	22.75	22.71	22.77	23.00
	DFT-s-OFDM 16QAM	1	1	22.72	22.91	22.98	23.00
	DFT-s-OFDM 64QAM	1	1	21.38	21.36	21.16	22.00
	DFT-s-OFDM 256QAM	1	1	19.35	19.41	19.57	20.00
	CP-OFDM QPSK	1	1	22.26	22.23	22.24	23.00
	CP-OFDM 16QAM	1	1	22.19	22.18	22.32	22.50
	CP-OFDM 64QAM	1	1	19.94	20.12	20.15	21.00
	CP-OFDM 256QAM	1	1	17.64	17.59	17.70	18.00

N66-ANT4 Full Power&DSI1&2(ENDC)							
Bandwidth (MHz)	Modulation	Channel		342500	349000	355500	Tune-up power(dBm)
		RB Size	RB offset	1712.5	1745	1777.5	
5	DFT-s-OFDM BPSK	1	1	23.98	23.54	24.10	24.50
Bandwidth (MHz)	Modulation	Channel		343000	349000	355000	Tune-up power(dBm)
		RB Size	RB offset	1715	1745	1775	
10	DFT-s-OFDM BPSK	1	1	23.99	23.59	24.12	24.50
Bandwidth (MHz)	Modulation	Channel		343500	349000	354500	Tune-up power(dBm)
		RB Size	RB offset	1717.5	1745	1772.5	
15	DFT-s-OFDM BPSK	1	1	23.98	23.57	24.11	24.50
Bandwidth (MHz)	Modulation	Channel		344000	349000	354000	Tune-up power(dBm)
		RB Size	RB offset	1720	1745	1770	
20	DFT-s-OFDM BPSK	1	1	23.98	23.56	24.11	24.50
Bandwidth (MHz)	Modulation	Channel		344500	349000	353500	Tune-up power(dBm)
		RB Size	RB offset	1722.5	1745	1767.5	
25	DFT-s-OFDM BPSK	1	1	24.03	23.51	24.05	24.50
Bandwidth (MHz)	Modulation	Channel		345000	349000	353000	Tune-up power(dBm)
		RB Size	RB offset	1725	1745	1765	
30	DFT-s-OFDM BPSK	1	1	24.02	23.55	24.14	24.50
Bandwidth (MHz)	Modulation	Channel		346000	349000	352000	Tune-up power(dBm)
		RB Size	RB offset	1730	1745	1760	
40	DFT-s-OFDM BPSK	1	1	23.49	23.63	23.71	24.50
		1	108	23.94	23.92	24.00	24.50
		1	214	23.78	23.91	23.95	24.50
	DFT-s-OFDM BPSK	108	0	23.34	23.31	23.47	24.00
		108	54	24.04	23.82	23.90	24.50
		108	108	23.01	23.18	23.08	24.00
	DFT-s-OFDM BPSK	216	0	23.39	23.20	23.28	24.00
		1	1	23.83	23.74	23.99	24.50
	DFT-s-OFDM QPSK	1	108	23.91	23.80	23.91	24.50
		1	214	23.64	23.73	23.62	24.50
		108	0	22.78	22.85	22.69	23.50
	DFT-s-OFDM QPSK	108	54	23.67	23.78	23.78	24.50
		108	108	22.81	22.92	22.77	23.50
		216	0	22.85	22.88	23.05	23.50
	DFT-s-OFDM 16QAM	1	1	23.12	22.94	23.22	23.50
	DFT-s-OFDM 64QAM	1	1	21.65	21.41	21.52	22.00
	DFT-s-OFDM 256QAM	1	1	19.61	19.65	19.62	20.00
	CP-OFDM QPSK	1	1	22.48	22.30	22.43	23.00
	CP-OFDM 16QAM	1	1	21.79	21.73	21.65	22.50
	CP-OFDM 64QAM	1	1	20.18	20.15	20.21	21.00
	CP-OFDM 256QAM	1	1	16.89	17.05	17.24	18.00

N66-ANT4 DSI3(ENDC)							
Bandwidth (MHz)	Modulation	Channel		342500	349000	355500	Tune-up power(dBm)
		RB Size	RB offset	1712.5	1745	1777.5	
5	DFT-s-OFDM BPSK	1	1	21.92	21.73	21.94	22.50
Bandwidth (MHz)	Modulation	Channel		343000	349000	355000	Tune-up power(dBm)
		RB Size	RB offset	1715	1745	1775	
10	DFT-s-OFDM BPSK	1	1	21.83	21.63	21.66	22.50
Bandwidth (MHz)	Modulation	Channel		343500	349000	354500	Tune-up power(dBm)
		RB Size	RB offset	1717.5	1745	1772.5	
15	DFT-s-OFDM BPSK	1	1	21.81	21.81	21.77	22.50
Bandwidth (MHz)	Modulation	Channel		344000	349000	354000	Tune-up power(dBm)
		RB Size	RB offset	1720	1745	1770	
20	DFT-s-OFDM BPSK	1	1	21.62	21.57	21.81	22.50
Bandwidth (MHz)	Modulation	Channel		344500	349000	353500	Tune-up power(dBm)
		RB Size	RB offset	1722.5	1745	1767.5	
25	DFT-s-OFDM BPSK	1	1	21.62	21.90	21.63	22.50
Bandwidth (MHz)	Modulation	Channel		345000	349000	353000	Tune-up power(dBm)
		RB Size	RB offset	1725	1745	1765	
30	DFT-s-OFDM BPSK	1	1	21.64	21.74	21.74	22.50
Bandwidth (MHz)	Modulation	Channel		346000	349000	352000	Tune-up power(dBm)
		RB Size	RB offset	1730	1745	1760	
40	DFT-s-OFDM BPSK	1	1	21.69	21.74	21.66	22.50
		1	108	21.71	21.76	21.63	22.50
		1	214	21.69	21.80	21.46	22.50
	DFT-s-OFDM BPSK	108	0	21.77	21.68	21.83	22.50
		108	54	21.59	21.70	21.68	22.50
		108	108	21.81	21.68	21.57	22.50
	DFT-s-OFDM BPSK	216	0	21.88	21.73	21.57	22.50
		1	1	21.72	21.75	21.76	22.50
	DFT-s-OFDM QPSK	1	108	21.53	21.66	21.85	22.50
		1	214	21.46	21.65	21.55	22.50
		108	0	21.62	21.75	21.75	22.50
	DFT-s-OFDM QPSK	108	54	21.53	21.67	21.87	22.50
		108	108	21.81	21.72	21.82	22.50
		216	0	21.89	21.72	21.86	22.50
	DFT-s-OFDM 16QAM	1	1	21.71	21.82	22.01	22.50
	DFT-s-OFDM 64QAM	1	1	21.20	21.09	21.23	22.00
	DFT-s-OFDM 256QAM	1	1	18.99	19.13	19.08	20.00
	CP-OFDM QPSK	1	1	21.61	21.69	21.52	22.50
	CP-OFDM 16QAM	1	1	21.78	21.73	21.53	22.50
	CP-OFDM 64QAM	1	1	19.75	19.91	19.72	21.00
	CP-OFDM 256QAM	1	1	16.91	17.04	17.06	18.00

N66-ANT4 DSI4(ENDC)							
Bandwidth (MHz)	Modulation	Channel		342500	349000	355500	Tune-up power(dBm)
		RB Size	RB offset	1712.5	1745	1777.5	
5	DFT-s-OFDM BPSK	1	1	16.87	16.69	16.68	18.50
Bandwidth (MHz)	Modulation	Channel		343000	349000	355000	Tune-up power(dBm)
		RB Size	RB offset	1715	1745	1775	
10	DFT-s-OFDM BPSK	1	1	16.82	16.80	16.85	18.50
Bandwidth (MHz)	Modulation	Channel		343500	349000	354500	Tune-up power(dBm)
		RB Size	RB offset	1717.5	1745	1772.5	
15	DFT-s-OFDM BPSK	1	1	17.06	16.72	16.53	18.50
Bandwidth (MHz)	Modulation	Channel		344000	349000	354000	Tune-up power(dBm)
		RB Size	RB offset	1720	1745	1770	
20	DFT-s-OFDM BPSK	1	1	16.89	16.73	16.61	18.50
Bandwidth (MHz)	Modulation	Channel		344500	349000	353500	Tune-up power(dBm)
		RB Size	RB offset	1722.5	1745	1767.5	
25	DFT-s-OFDM BPSK	1	1	16.92	16.57	16.50	18.50
Bandwidth (MHz)	Modulation	Channel		345000	349000	353000	Tune-up power(dBm)
		RB Size	RB offset	1725	1745	1765	
30	DFT-s-OFDM BPSK	1	1	16.84	16.52	16.74	18.50
Bandwidth (MHz)	Modulation	Channel		346000	349000	352000	Tune-up power(dBm)
		RB Size	RB offset	1730	1745	1760	
40	DFT-s-OFDM BPSK	1	1	16.96	16.92	16.90	18.50
		1	108	16.97	16.92	17.12	18.50
		1	214	16.90	16.87	16.80	18.50
	DFT-s-OFDM BPSK	108	0	16.91	16.93	16.93	18.50
		108	54	16.92	17.11	16.95	18.50
		108	108	16.84	16.91	16.76	18.50
	DFT-s-OFDM BPSK	216	0	17.02	17.09	17.03	18.50
		1	1	17.03	16.91	16.86	18.50
		1	108	16.68	16.75	16.59	18.50
	DFT-s-OFDM QPSK	1	214	16.86	16.93	16.88	18.50
		108	0	17.01	16.97	17.04	18.50
		108	54	17.20	17.02	16.83	18.50
	DFT-s-OFDM QPSK	108	108	17.07	17.06	16.93	18.50
		216	0	16.93	16.88	16.92	18.50
		DFT-s-OFDM 16QAM	1	1	17.07	16.87	16.71
	DFT-s-OFDM 64QAM	1	1	16.87	16.73	16.57	18.50
	DFT-s-OFDM 256QAM	1	1	16.95	17.15	17.16	18.50
	CP-OFDM QPSK	1	1	16.88	16.83	16.89	18.50
	CP-OFDM 16QAM	1	1	16.89	17.05	17.09	18.50
	CP-OFDM 64QAM	1	1	16.51	16.66	16.85	18.50
	CP-OFDM 256QAM	1	1	16.91	16.82	16.94	18.00

N66-ANT4 DSI5&6(ENDC)							
Bandwidth (MHz)	Modulation	Channel		342500	349000	355500	Tune-up power(dBm)
		RB Size	RB offset	1712.5	1745	1777.5	
5	DFT-s-OFDM BPSK	1	1	16.36	16.69	16.54	17.50
Bandwidth (MHz)	Modulation	Channel		343000	349000	355000	Tune-up power(dBm)
		RB Size	RB offset	1715	1745	1775	
10	DFT-s-OFDM BPSK	1	1	16.66	16.56	16.54	17.50
Bandwidth (MHz)	Modulation	Channel		343500	349000	354500	Tune-up power(dBm)
		RB Size	RB offset	1717.5	1745	1772.5	
15	DFT-s-OFDM BPSK	1	1	16.68	16.81	16.59	17.50
Bandwidth (MHz)	Modulation	Channel		344000	349000	354000	Tune-up power(dBm)
		RB Size	RB offset	1720	1745	1770	
20	DFT-s-OFDM BPSK	1	1	16.47	16.73	16.64	17.50
Bandwidth (MHz)	Modulation	Channel		344500	349000	353500	Tune-up power(dBm)
		RB Size	RB offset	1722.5	1745	1767.5	
25	DFT-s-OFDM BPSK	1	1	16.46	16.77	16.65	17.50
Bandwidth (MHz)	Modulation	Channel		345000	349000	353000	Tune-up power(dBm)
		RB Size	RB offset	1725	1745	1765	
30	DFT-s-OFDM BPSK	1	1	16.39	16.60	16.63	17.50
Bandwidth (MHz)	Modulation	Channel		346000	349000	352000	Tune-up power(dBm)
		RB Size	RB offset	1730	1745	1760	
40	DFT-s-OFDM BPSK	1	1	16.53	16.56	16.57	17.50
		1	108	16.56	16.57	16.60	17.50
		1	214	16.55	16.59	16.56	17.50
	DFT-s-OFDM BPSK	108	0	16.72	16.55	16.45	17.50
		108	54	16.64	16.64	16.46	17.50
		108	108	16.46	16.57	16.45	17.50
	DFT-s-OFDM BPSK	216	0	16.48	16.59	16.76	17.50
		1	1	16.56	16.68	16.58	17.50
	DFT-s-OFDM QPSK	1	108	16.50	16.59	16.40	17.50
		1	214	16.47	16.62	16.79	17.50
		108	0	16.82	16.64	16.77	17.50
	DFT-s-OFDM QPSK	108	54	16.84	16.65	16.66	17.50
		108	108	16.51	16.57	16.38	17.50
		216	0	16.69	16.64	16.70	17.50
	DFT-s-OFDM 16QAM	1	1	16.80	16.62	16.56	17.50
	DFT-s-OFDM 64QAM	1	1	16.51	16.53	16.38	17.50
	DFT-s-OFDM 256QAM	1	1	16.92	16.87	16.87	17.50
	CP-OFDM QPSK	1	1	16.65	16.74	16.82	17.50
	CP-OFDM 16QAM	1	1	16.10	16.28	16.33	17.50
	CP-OFDM 64QAM	1	1	16.71	16.51	16.71	17.50
	CP-OFDM 256QAM	1	1	16.61	16.66	16.84	17.50

N77-ANT3 Full Power-PC3(ENDC)							
Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dBm)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	23.00	22.97	22.70	24.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dBm)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	23.03	22.94	22.73	24.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dBm)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	23.05	22.99	22.69	24.50
Bandwidth (MHz)	Modulation	Channel		630834	633334	635832	Tune-up power(dBm)
		RB Size	RB offset	3462.51	3500.01	3537.48	
25	DFT-s-OFDM BPSK	1	1	22.92	22.96	23.01	24.50
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dBm)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	22.93	23.02	22.80	24.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dBm)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	22.95	23.00	22.73	24.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dBm)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	22.96	22.98	22.71	24.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dBm)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	22.98	22.94	22.71	24.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dBm)
		RB Size	RB offset	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	23.01	22.92	22.66	24.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dBm)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	23.00	23.01	22.75	24.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dBm)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	22.95	22.93	22.67	24.50
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dBm)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	22.89	/	24.50
		1	137	/	22.94	/	24.50
		1	271	/	23.07	/	24.50
	DFT-s-OFDM BPSK	135	0	/	22.57	/	24.00
		135	69	/	22.94	/	24.50
		135	138	/	22.78	/	24.00
	DFT-s-OFDM BPSK	270	0	/	22.75	/	24.00
		1	1	/	23.03	/	24.50
		1	137	/	22.97	/	24.50
	DFT-s-OFDM QPSK	1	271	/	23.11	/	24.50
		135	0	/	22.06	/	23.50
		135	69	/	23.07	/	24.50
	DFT-s-OFDM QPSK	135	138	/	21.94	/	23.50
		270	0	/	21.97	/	23.50
	DFT-s-OFDM 16QAM	1	1	/	22.15	/	23.50
		1	1	/	20.53	/	22.00
		1	1	/	18.73	/	20.00
	CP-OFDM QPSK	1	1	/	21.62	/	23.00
		1	1	/	21.09	/	22.50
		1	1	/	19.42	/	21.00
	CP-OFDM 256QAM	1	1	/	16.57	/	18.00

N77-ANT3 DSI1&2-PC3(ENDC)							
Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dBm)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	20.41	20.45	20.43	22.00
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dBm)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	20.44	20.36	20.36	22.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dBm)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	20.41	20.40	20.37	22.00
Bandwidth (MHz)	Modulation	Channel		630834	633334	635832	Tune-up power(dBm)
		RB Size	RB offset	3462.51	3500.01	3537.48	
25	DFT-s-OFDM BPSK	1	1	20.44	20.41	20.42	22.00
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dBm)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	20.45	20.43	20.44	22.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dBm)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	20.45	20.44	20.39	22.00
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dBm)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	20.35	20.42	20.42	22.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dBm)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	20.37	20.36	20.35	22.00
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dBm)
		RB Size	RB offset	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	20.39	20.43	20.38	22.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dBm)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	20.39	20.39	20.43	22.00
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dBm)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	20.36	20.45	20.41	22.00
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dBm)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	20.45	/	22.00
		1	137	/	20.34	/	22.00
		1	271	/	20.42	/	22.00
	DFT-s-OFDM BPSK	135	0	/	20.41	/	22.00
		135	69	/	20.40	/	22.00
		135	138	/	20.42	/	22.00
	DFT-s-OFDM BPSK	270	0	/	20.42	/	22.00
		1	1	/	20.56	/	22.00
		1	137	/	20.43	/	22.00
	DFT-s-OFDM QPSK	1	271	/	20.39	/	22.00
		135	0	/	20.42	/	22.00
		135	69	/	20.44	/	22.00
	DFT-s-OFDM QPSK	135	138	/	20.38	/	22.00
		270	0	/	20.44	/	22.00
		1	1	/	20.71	/	22.00
	DFT-s-OFDM 16QAM	1	1	/	20.36	/	22.00
	DFT-s-OFDM 64QAM	1	1	/	18.87	/	20.00
	CP-OFDM QPSK	1	1	/	20.59	/	22.00
	CP-OFDM 16QAM	1	1	/	20.93	/	22.00
	CP-OFDM 64QAM	1	1	/	19.66	/	21.00
	CP-OFDM 256QAM	1	1	/	16.55	/	18.00

N77-ANT3 DSI3-PC3(ENDC)							
Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dBm)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	16.36	16.51	16.55	18.00
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dBm)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	16.47	16.50	16.35	18.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dBm)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	16.44	16.47	16.54	18.00
Bandwidth (MHz)	Modulation	Channel		630834	633334	635832	Tune-up power(dBm)
		RB Size	RB offset	3462.51	3500.01	3537.48	
25	DFT-s-OFDM BPSK	1	1	16.47	16.50	16.42	18.00
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dBm)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	16.48	16.48	16.42	18.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dBm)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	16.42	16.38	16.52	18.00
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dBm)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	16.49	16.45	16.54	18.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dBm)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	16.47	16.50	16.51	18.00
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dBm)
		RB Size	RB offset	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	16.50	16.49	16.47	18.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dBm)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	16.36	16.52	16.38	18.00
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dBm)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	16.40	16.51	16.45	18.00
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dBm)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	16.75	/	18.00
		1	137	/	16.56	/	18.00
		1	271	/	16.58	/	18.00
	DFT-s-OFDM BPSK	135	0	/	16.52	/	18.00
		135	69	/	16.48	/	18.00
		135	138	/	16.53	/	18.00
	DFT-s-OFDM BPSK	270	0	/	16.53	/	18.00
		1	1	/	16.64	/	18.00
		1	137	/	16.47	/	18.00
	DFT-s-OFDM QPSK	1	271	/	16.57	/	18.00
		135	0	/	16.50	/	18.00
		135	69	/	16.58	/	18.00
	DFT-s-OFDM QPSK	135	138	/	16.56	/	18.00
		270	0	/	16.45	/	18.00
	DFT-s-OFDM 16QAM	1	1	/	16.84	/	18.00
		1	1	/	16.53	/	18.00
		1	1	/	16.99	/	18.00
	CP-OFDM QPSK	1	1	/	16.69	/	18.00
		1	1	/	16.95	/	18.00
		1	1	/	16.71	/	18.00
	CP-OFDM 256QAM	1	1	/	16.48	/	18.00

N77-ANT3 DSI4&5&6-PC3(ENDC)							
Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dBm)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	14.97	15.03	14.85	16.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dBm)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	14.95	14.91	15.02	16.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dBm)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	14.86	14.91	15.04	16.50
Bandwidth (MHz)	Modulation	Channel		630834	633334	635832	Tune-up power(dBm)
		RB Size	RB offset	3462.51	3500.01	3537.48	
25	DFT-s-OFDM BPSK	1	1	14.96	15.03	14.96	16.50
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dBm)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	14.91	14.89	14.92	16.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dBm)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	14.99	14.96	14.89	16.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dBm)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	14.98	14.86	14.96	16.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dBm)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	15.00	14.96	14.92	16.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dBm)
		RB Size	RB offset	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	15.02	14.85	14.89	16.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dBm)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	14.96	15.03	15.03	16.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dBm)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	15.03	14.91	14.99	16.50
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dBm)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	15.11	/	16.50
		1	137	/	14.97	/	16.50
		1	271	/	14.97	/	16.50
	DFT-s-OFDM BPSK	135	0	/	15.07	/	16.50
		135	69	/	15.05	/	16.50
		135	138	/	14.98	/	16.50
	DFT-s-OFDM BPSK	270	0	/	15.00	/	16.50
		1	1	/	15.09	/	16.50
		1	137	/	15.07	/	16.50
	DFT-s-OFDM QPSK	1	271	/	14.98	/	16.50
		135	0	/	15.01	/	16.50
		135	69	/	14.96	/	16.50
	DFT-s-OFDM QPSK	135	138	/	15.08	/	16.50
		270	0	/	14.98	/	16.50
		1	1	/	15.25	/	16.50
	DFT-s-OFDM 16QAM	1	1	/	15.25	/	16.50
	DFT-s-OFDM 64QAM	1	1	/	14.97	/	16.50
	DFT-s-OFDM 256QAM	1	1	/	15.43	/	16.50
	CP-OFDM QPSK	1	1	/	15.08	/	16.50
	CP-OFDM 16QAM	1	1	/	15.42	/	16.50
	CP-OFDM 64QAM	1	1	/	15.14	/	16.50
	CP-OFDM 256QAM	1	1	/	15.07	/	16.50

N77-ANT3 Full Power-PC3(ENDC)							
Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dBm)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	23.04	23.12	23.13	24.50
Bandwidth (MHz)	Modulation	Channel		647166	656000	664832	Tune-up power(dBm)
		RB Size	RB offset	3707.49	3840	3972.48	
15	DFT-s-OFDM BPSK	1	1	23.08	23.09	23.08	24.50
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dBm)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	23.09	23.15	23.08	24.50
Bandwidth (MHz)	Modulation	Channel		647500	656000	664500	Tune-up power(dBm)
		RB Size	RB offset	3712.5	3840	3967.5	
25	DFT-s-OFDM BPSK	1	1	23.09	23.15	23.11	24.50
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dBm)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	23.02	23.17	23.08	24.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dBm)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	22.89	22.98	22.99	24.50
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dBm)
		RB Size	RB offset	3725.01	3840	3954.99	
50	DFT-s-OFDM BPSK	1	1	22.94	22.99	22.98	24.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dBm)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	22.88	23.00	22.91	24.50
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dBm)
		RB Size	RB offset	3735	3840	3945	
70	DFT-s-OFDM BPSK	1	1	22.90	23.02	22.97	24.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dBm)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	22.86	22.92	22.97	24.50
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dBm)
		RB Size	RB offset	3745.02	3840	3934.98	
90	DFT-s-OFDM BPSK	1	1	22.85	22.92	22.95	24.50
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dBm)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	22.89	22.97	22.96	24.50
		1	137	22.80	22.92	23.00	24.50
		1	271	23.10	22.94	22.97	24.50
	DFT-s-OFDM BPSK	135	0	22.46	22.37	22.57	24.00
		135	69	22.78	22.99	22.90	24.50
		135	138	22.35	22.48	22.48	24.00
	DFT-s-OFDM BPSK	270	0	22.28	22.39	22.28	24.00
		1	1	23.05	23.10	23.12	24.50
		1	137	22.95	22.83	23.06	24.50
	DFT-s-OFDM QPSK	1	271	22.85	22.87	22.88	24.50
		135	0	21.95	21.83	21.90	23.50
		135	69	22.98	23.00	23.06	24.50
	DFT-s-OFDM QPSK	135	138	22.05	21.87	21.81	23.50
		270	0	21.52	21.72	21.63	23.50
		1	1	22.19	22.15	22.17	23.50
	DFT-s-OFDM 16QAM	1	1	20.70	20.64	20.80	22.00
	DFT-s-OFDM 256QAM	1	1	18.50	18.37	18.29	20.00
	CP-OFDM QPSK	1	1	21.66	21.61	21.82	23.00
	CP-OFDM 16QAM	1	1	21.43	21.35	21.51	22.50
	CP-OFDM 64QAM	1	1	19.42	19.22	19.29	21.00
	CP-OFDM 256QAM	1	1	16.70	16.52	16.36	18.00

N77-ANT3 DSI1&2-PC3(ENDC)							
Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dBm)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	20.20	20.37	20.29	22.00
Bandwidth (MHz)	Modulation	Channel		647166	656000	664832	Tune-up power(dBm)
		RB Size	RB offset	3707.49	3840	3972.48	
15	DFT-s-OFDM BPSK	1	1	20.20	20.35	20.26	22.00
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dBm)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	20.36	20.33	20.25	22.00
Bandwidth (MHz)	Modulation	Channel		647500	656000	664500	Tune-up power(dBm)
		RB Size	RB offset	3712.5	3840	3967.5	
25	DFT-s-OFDM BPSK	1	1	20.23	20.40	20.27	22.00
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dBm)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	20.25	20.21	20.39	22.00
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dBm)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	20.21	20.25	20.24	22.00
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dBm)
		RB Size	RB offset	3725.01	3840	3954.99	
50	DFT-s-OFDM BPSK	1	1	20.34	20.20	20.33	22.00
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dBm)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	20.29	20.37	20.26	22.00
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dBm)
		RB Size	RB offset	3735	3840	3945	
70	DFT-s-OFDM BPSK	1	1	20.24	20.35	20.27	22.00
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dBm)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	20.30	20.26	20.22	22.00
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dBm)
		RB Size	RB offset	3745.02	3840	3934.98	
90	DFT-s-OFDM BPSK	1	1	20.26	20.30	20.25	22.00
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dBm)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	20.37	20.42	20.47	22.00
		1	137	20.30	20.30	20.31	22.00
		1	271	20.21	20.19	20.21	22.00
	DFT-s-OFDM BPSK	135	0	20.48	20.28	20.21	22.00
		135	69	20.23	20.32	20.18	22.00
		135	138	20.17	20.24	20.27	22.00
	DFT-s-OFDM BPSK	270	0	20.18	20.21	20.36	22.00
		1	1	20.64	20.49	20.58	22.00
		1	137	20.08	20.21	20.27	22.00
	DFT-s-OFDM QPSK	1	271	20.32	20.20	20.40	22.00
		135	0	20.30	20.35	20.17	22.00
		135	69	20.03	20.20	20.22	22.00
	DFT-s-OFDM QPSK	135	138	20.55	20.37	20.22	22.00
		270	0	20.42	20.23	20.05	22.00
	DFT-s-OFDM 16QAM	1	1	20.63	20.62	20.44	22.00
		1	1	20.52	20.36	20.47	22.00
		1	1	18.76	18.59	18.40	20.00
	CP-OFDM QPSK	1	1	20.53	20.56	20.60	22.00
		1	1	20.60	20.74	20.60	22.00
		1	1	19.30	19.46	19.41	21.00
	CP-OFDM 256QAM	1	1	16.53	16.47	16.29	18.00

N77-ANT3 DSI3-PC3(ENDC)							
Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dBm)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	16.33	16.24	16.35	18.00
Bandwidth (MHz)	Modulation	Channel		647166	656000	664832	Tune-up power(dBm)
		RB Size	RB offset	3707.49	3840	3972.48	
15	DFT-s-OFDM BPSK	1	1	16.32	16.38	16.22	18.00
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dBm)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	16.29	16.30	16.22	18.00
Bandwidth (MHz)	Modulation	Channel		647500	656000	664500	Tune-up power(dBm)
		RB Size	RB offset	3712.5	3840	3967.5	
25	DFT-s-OFDM BPSK	1	1	16.38	16.25	16.23	18.00
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dBm)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	16.38	16.29	16.39	18.00
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dBm)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	16.20	16.38	16.21	18.00
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dBm)
		RB Size	RB offset	3725.01	3840	3954.99	
50	DFT-s-OFDM BPSK	1	1	16.36	16.34	16.26	18.00
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dBm)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	16.31	16.29	16.32	18.00
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dBm)
		RB Size	RB offset	3735	3840	3945	
70	DFT-s-OFDM BPSK	1	1	16.33	16.34	16.31	18.00
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dBm)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	16.37	16.36	16.34	18.00
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dBm)
		RB Size	RB offset	3745.02	3840	3934.98	
90	DFT-s-OFDM BPSK	1	1	16.36	16.28	16.29	18.00
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dBm)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	16.42	16.41	16.41	18.00
		1	137	16.24	16.28	16.29	18.00
		1	271	16.28	16.24	16.22	18.00
	DFT-s-OFDM BPSK	135	0	16.44	16.35	16.35	18.00
		135	69	16.25	16.21	16.01	18.00
		135	138	16.32	16.38	16.21	18.00
	DFT-s-OFDM BPSK	270	0	16.57	16.40	16.43	18.00
		1	1	16.46	16.51	16.54	18.00
		1	137	16.25	16.38	16.19	18.00
	DFT-s-OFDM QPSK	1	271	16.17	16.37	16.39	18.00
		135	0	16.40	16.39	16.49	18.00
		135	69	16.23	16.27	16.40	18.00
	DFT-s-OFDM QPSK	135	138	16.34	16.24	16.36	18.00
		270	0	16.12	16.22	16.05	18.00
	DFT-s-OFDM 16QAM	1	1	16.65	16.59	16.46	18.00
	DFT-s-OFDM 64QAM	1	1	16.47	16.43	16.37	18.00
	DFT-s-OFDM 256QAM	1	1	16.49	16.61	16.51	18.00
	CP-OFDM QPSK	1	1	16.50	16.48	16.38	18.00
	CP-OFDM 16QAM	1	1	16.68	16.70	16.81	18.00
	CP-OFDM 64QAM	1	1	16.35	16.44	16.25	18.00
	CP-OFDM 256QAM	1	1	16.24	16.38	16.37	18.00

N77-ANT3 DSI4&5&6-PC3(ENDC)							
Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dBm)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	15.06	15.06	14.78	16.50
Bandwidth (MHz)	Modulation	Channel		647166	656000	664832	Tune-up power(dBm)
		RB Size	RB offset	3707.49	3840	3972.48	
15	DFT-s-OFDM BPSK	1	1	14.89	15.03	14.90	16.50
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dBm)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	14.78	14.87	15.10	16.50
Bandwidth (MHz)	Modulation	Channel		647500	656000	664500	Tune-up power(dBm)
		RB Size	RB offset	3712.5	3840	3967.5	
25	DFT-s-OFDM BPSK	1	1	15.09	15.09	14.78	16.50
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dBm)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	14.88	14.98	14.76	16.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dBm)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	14.75	14.72	15.10	16.50
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dBm)
		RB Size	RB offset	3725.01	3840	3954.99	
50	DFT-s-OFDM BPSK	1	1	14.89	14.88	14.72	16.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dBm)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	14.97	14.92	14.95	16.50
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dBm)
		RB Size	RB offset	3735	3840	3945	
70	DFT-s-OFDM BPSK	1	1	15.09	14.98	15.08	16.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dBm)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	14.78	14.99	14.92	16.50
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dBm)
		RB Size	RB offset	3745.02	3840	3934.98	
90	DFT-s-OFDM BPSK	1	1	14.93	14.94	14.70	16.50
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dBm)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	15.14	15.10	15.15	16.50
		1	137	14.95	14.90	14.89	16.50
		1	271	14.78	14.83	14.79	16.50
	DFT-s-OFDM BPSK	135	0	14.63	14.83	14.97	16.50
		135	69	14.76	14.74	14.55	16.50
		135	138	14.75	14.75	14.68	16.50
	DFT-s-OFDM BPSK	270	0	14.69	14.87	14.81	16.50
		1	1	14.97	15.09	15.06	16.50
		1	137	14.73	14.79	14.81	16.50
	DFT-s-OFDM QPSK	1	271	14.61	14.71	14.64	16.50
		135	0	14.68	14.78	14.96	16.50
		135	69	15.04	14.96	15.09	16.50
	DFT-s-OFDM QPSK	135	138	15.11	14.96	15.15	16.50
		270	0	14.95	15.02	15.06	16.50
	DFT-s-OFDM 16QAM	1	1	15.01	15.14	15.25	16.50
	DFT-s-OFDM 64QAM	1	1	15.10	14.99	14.95	16.50
	DFT-s-OFDM 256QAM	1	1	15.29	15.14	15.24	16.50
	CP-OFDM QPSK	1	1	15.03	15.01	14.84	16.50
	CP-OFDM 16QAM	1	1	15.06	15.20	15.30	16.50
	CP-OFDM 64QAM	1	1	14.96	14.94	14.86	16.50
	CP-OFDM 256QAM	1	1	15.13	15.01	14.85	16.50

Band				LTE Band2(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18607	18900	19185	Tune-up power(dBm)
1.4	QPSK	1	0	ANT4	Full Power	23.86	23.85	23.82	24.50
1.4	QPSK	1	2	ANT4	Full Power	23.78	23.89	23.81	24.50
1.4	QPSK	1	5	ANT4	Full Power	23.85	23.90	23.84	24.50
1.4	QPSK	3	0	ANT4	Full Power	23.95	23.87	23.84	24.50
1.4	QPSK	3	1	ANT4	Full Power	23.89	23.92	23.83	24.50
1.4	QPSK	3	3	ANT4	Full Power	23.82	23.90	23.83	24.50
1.4	QPSK	6	0	ANT4	Full Power	22.85	22.82	22.77	23.50
1.4	16QAM	1	0	ANT4	Full Power	22.81	22.80	22.91	23.50
1.4	16QAM	1	2	ANT4	Full Power	22.83	22.79	22.87	23.50
1.4	16QAM	1	5	ANT4	Full Power	22.86	22.88	22.82	23.50
1.4	16QAM	3	0	ANT4	Full Power	22.80	22.84	22.85	23.50
1.4	16QAM	3	1	ANT4	Full Power	22.89	22.85	22.83	23.50
1.4	16QAM	3	3	ANT4	Full Power	22.90	22.83	22.82	23.50
1.4	16QAM	6	0	ANT4	Full Power	21.82	21.89	21.76	22.50
1.4	64QAM	1	0	ANT4	Full Power	21.84	21.85	21.88	22.50
1.4	64QAM	1	2	ANT4	Full Power	21.79	21.80	21.90	22.50
1.4	64QAM	1	5	ANT4	Full Power	21.86	21.79	21.87	22.50
1.4	64QAM	3	0	ANT4	Full Power	21.81	21.85	21.90	22.50
1.4	64QAM	3	1	ANT4	Full Power	21.77	21.93	21.85	22.50
1.4	64QAM	3	3	ANT4	Full Power	21.89	21.80	21.90	22.50
1.4	64QAM	6	0	ANT4	Full Power	20.87	20.83	20.81	21.50
1.4	256QAM	1	0	ANT4	Full Power	18.83	18.82	18.91	19.50
1.4	256QAM	1	2	ANT4	Full Power	18.81	18.89	18.93	19.50
1.4	256QAM	1	5	ANT4	Full Power	18.82	18.89	18.88	19.50
1.4	256QAM	3	0	ANT4	Full Power	18.80	18.87	18.82	19.50
1.4	256QAM	3	1	ANT4	Full Power	18.80	18.87	18.85	19.50
1.4	256QAM	3	3	ANT4	Full Power	18.79	18.81	18.83	19.50
1.4	256QAM	6	0	ANT4	Full Power	18.92	18.85	18.85	19.50

Band				LTE Band2(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18615	18900	19175	Tune-up power(dBm)
3	QPSK	1	0	ANT4	Full Power	23.82	23.84	23.83	24.50
3	QPSK	1	7	ANT4	Full Power	23.89	23.77	23.79	24.50
3	QPSK	1	14	ANT4	Full Power	23.79	23.85	23.83	24.50
3	QPSK	8	0	ANT4	Full Power	22.79	22.84	22.86	23.50
3	QPSK	8	3	ANT4	Full Power	22.86	22.87	22.83	23.50
3	QPSK	8	7	ANT4	Full Power	22.84	22.82	22.78	23.50
3	QPSK	15	0	ANT4	Full Power	22.80	22.87	22.93	23.50
3	16QAM	1	0	ANT4	Full Power	22.75	22.86	22.79	23.50
3	16QAM	1	7	ANT4	Full Power	22.90	22.74	22.80	23.50
3	16QAM	1	14	ANT4	Full Power	22.87	22.88	22.83	23.50
3	16QAM	8	0	ANT4	Full Power	21.82	21.91	21.81	22.50
3	16QAM	8	3	ANT4	Full Power	21.74	21.86	21.98	22.50
3	16QAM	8	7	ANT4	Full Power	21.83	21.91	21.93	22.50
3	16QAM	15	0	ANT4	Full Power	21.86	21.76	21.94	22.50
3	64QAM	1	0	ANT4	Full Power	21.79	21.81	21.87	22.50
3	64QAM	1	7	ANT4	Full Power	21.83	21.86	21.85	22.50
3	64QAM	1	14	ANT4	Full Power	21.89	21.90	21.83	22.50
3	64QAM	8	0	ANT4	Full Power	20.84	20.83	20.90	21.50
3	64QAM	8	3	ANT4	Full Power	20.88	20.78	20.75	21.50
3	64QAM	8	7	ANT4	Full Power	20.89	20.79	20.93	21.50
3	64QAM	15	0	ANT4	Full Power	20.85	20.85	20.85	21.50
3	256QAM	1	0	ANT4	Full Power	18.84	18.83	18.79	19.50
3	256QAM	1	7	ANT4	Full Power	18.91	18.75	18.82	19.50
3	256QAM	1	14	ANT4	Full Power	18.87	18.85	18.82	19.50
3	256QAM	8	0	ANT4	Full Power	18.93	18.81	18.81	19.50
3	256QAM	8	3	ANT4	Full Power	18.81	18.91	18.90	19.50
3	256QAM	8	7	ANT4	Full Power	18.95	18.94	18.87	19.50
3	256QAM	15	0	ANT4	Full Power	18.83	19.02	18.92	19.50

Band				LTE Band2(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18625	18900	19175	Tune-up power(dBm)
5	QPSK	1	0	ANT4	Full Power	23.85	23.84	23.81	24.50
5	QPSK	1	12	ANT4	Full Power	23.82	23.85	23.83	24.50
5	QPSK	1	24	ANT4	Full Power	23.75	23.81	23.80	24.50
5	QPSK	12	0	ANT4	Full Power	22.87	22.76	22.86	23.50
5	QPSK	12	6	ANT4	Full Power	22.87	22.93	22.77	23.50
5	QPSK	12	13	ANT4	Full Power	22.80	22.77	22.78	23.50
5	QPSK	25	0	ANT4	Full Power	22.83	22.86	22.91	23.50
5	16QAM	1	0	ANT4	Full Power	22.82	22.88	22.82	23.50
5	16QAM	1	12	ANT4	Full Power	22.88	22.83	22.85	23.50
5	16QAM	1	24	ANT4	Full Power	22.87	22.87	22.86	23.50
5	16QAM	12	0	ANT4	Full Power	21.77	21.88	21.78	22.50
5	16QAM	12	6	ANT4	Full Power	21.73	21.83	21.94	22.50
5	16QAM	12	13	ANT4	Full Power	21.78	21.90	21.95	22.50
5	16QAM	25	0	ANT4	Full Power	21.85	21.80	21.90	22.50
5	64QAM	1	0	ANT4	Full Power	21.89	21.80	21.85	22.50
5	64QAM	1	12	ANT4	Full Power	21.91	21.85	21.85	22.50
5	64QAM	1	24	ANT4	Full Power	21.84	21.82	21.81	22.50
5	64QAM	12	0	ANT4	Full Power	20.81	20.75	20.93	21.50
5	64QAM	12	6	ANT4	Full Power	20.93	20.85	20.81	21.50
5	64QAM	12	13	ANT4	Full Power	20.90	20.79	20.93	21.50
5	64QAM	25	0	ANT4	Full Power	20.92	20.85	20.89	21.50
5	256QAM	1	0	ANT4	Full Power	18.81	18.90	18.82	19.50
5	256QAM	1	12	ANT4	Full Power	18.90	18.78	18.81	19.50
5	256QAM	1	24	ANT4	Full Power	18.91	18.82	18.80	19.50
5	256QAM	12	0	ANT4	Full Power	18.92	18.82	18.86	19.50
5	256QAM	12	6	ANT4	Full Power	18.76	18.92	18.84	19.50
5	256QAM	12	13	ANT4	Full Power	18.86	18.89	18.85	19.50
5	256QAM	25	0	ANT4	Full Power	18.79	18.99	18.84	19.50

Band				LTE Band2(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18650	18900	19150	Tune-up power(dBm)
10	QPSK	1	0	ANT4	Full Power	23.86	23.80	23.82	24.50
10	QPSK	1	24	ANT4	Full Power	23.89	23.79	23.87	24.50
10	QPSK	1	49	ANT4	Full Power	23.78	23.86	23.86	24.50
10	QPSK	25	0	ANT4	Full Power	22.79	22.77	22.87	23.50
10	QPSK	25	12	ANT4	Full Power	22.81	22.83	22.85	23.50
10	QPSK	25	25	ANT4	Full Power	22.86	22.82	22.81	23.50
10	QPSK	50	0	ANT4	Full Power	22.85	22.79	22.95	23.50
10	16QAM	1	0	ANT4	Full Power	22.79	22.84	22.82	23.50
10	16QAM	1	24	ANT4	Full Power	22.84	22.74	22.86	23.50
10	16QAM	1	49	ANT4	Full Power	22.94	22.84	22.81	23.50
10	16QAM	25	0	ANT4	Full Power	21.77	21.93	21.82	22.50
10	16QAM	25	12	ANT4	Full Power	21.76	21.81	21.96	22.50
10	16QAM	25	25	ANT4	Full Power	21.78	21.92	21.99	22.50
10	16QAM	50	0	ANT4	Full Power	21.85	21.83	21.85	22.50
10	64QAM	1	0	ANT4	Full Power	21.89	21.78	21.88	22.50
10	64QAM	1	24	ANT4	Full Power	21.89	21.85	21.85	22.50
10	64QAM	1	49	ANT4	Full Power	21.85	21.85	21.79	22.50
10	64QAM	25	0	ANT4	Full Power	20.80	20.84	20.91	21.50
10	64QAM	25	12	ANT4	Full Power	20.91	20.86	20.82	21.50
10	64QAM	25	25	ANT4	Full Power	20.82	20.74	20.90	21.50
10	64QAM	50	0	ANT4	Full Power	20.88	20.80	20.83	21.50
10	256QAM	1	0	ANT4	Full Power	18.90	18.80	18.80	19.50
10	256QAM	1	24	ANT4	Full Power	18.95	18.83	18.87	19.50
10	256QAM	1	49	ANT4	Full Power	18.83	18.84	18.77	19.50
10	256QAM	25	0	ANT4	Full Power	18.86	18.79	18.83	19.50
10	256QAM	25	12	ANT4	Full Power	18.84	18.85	18.87	19.50
10	256QAM	25	25	ANT4	Full Power	18.96	18.88	18.85	19.50
10	256QAM	50	0	ANT4	Full Power	18.80	18.99	18.90	19.50

Band				LTE Band2(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18675	18900	19125	Tune-up power(dBm)
15	QPSK	1	0	ANT4	Full Power	23.90	23.88	23.84	24.50
15	QPSK	1	37	ANT4	Full Power	23.88	23.83	23.85	24.50
15	QPSK	1	74	ANT4	Full Power	23.79	23.83	23.82	24.50
15	QPSK	36	0	ANT4	Full Power	22.86	22.77	22.88	23.50
15	QPSK	36	19	ANT4	Full Power	22.84	22.86	22.87	23.50
15	QPSK	36	39	ANT4	Full Power	22.77	22.78	22.76	23.50
15	QPSK	75	0	ANT4	Full Power	22.85	22.88	22.97	23.50
15	16QAM	1	0	ANT4	Full Power	22.77	22.87	22.74	23.50
15	16QAM	1	37	ANT4	Full Power	22.87	22.83	22.85	23.50
15	16QAM	1	74	ANT4	Full Power	22.89	22.86	22.82	23.50
15	16QAM	36	0	ANT4	Full Power	21.76	21.91	21.78	22.50
15	16QAM	36	19	ANT4	Full Power	21.73	21.81	21.90	22.50
15	16QAM	36	39	ANT4	Full Power	21.86	21.94	21.95	22.50
15	16QAM	75	0	ANT4	Full Power	21.83	21.82	21.88	22.50
15	64QAM	1	0	ANT4	Full Power	21.83	21.80	21.95	22.50
15	64QAM	1	37	ANT4	Full Power	21.85	21.82	21.90	22.50
15	64QAM	1	74	ANT4	Full Power	21.90	21.83	21.78	22.50
15	64QAM	36	0	ANT4	Full Power	20.88	20.75	20.89	21.50
15	64QAM	36	19	ANT4	Full Power	20.87	20.82	20.77	21.50
15	64QAM	36	39	ANT4	Full Power	20.88	20.79	20.86	21.50
15	64QAM	75	0	ANT4	Full Power	20.90	20.84	20.89	21.50
15	256QAM	1	0	ANT4	Full Power	18.84	18.80	18.85	19.50
15	256QAM	1	37	ANT4	Full Power	18.97	18.82	18.79	19.50
15	256QAM	1	74	ANT4	Full Power	18.89	18.79	18.81	19.50
15	256QAM	36	0	ANT4	Full Power	18.92	18.79	18.81	19.50
15	256QAM	36	19	ANT4	Full Power	18.83	18.84	18.82	19.50
15	256QAM	36	39	ANT4	Full Power	18.89	18.94	18.87	19.50
15	256QAM	75	0	ANT4	Full Power	18.79	18.99	18.86	19.50

Band				LTE Band2(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18700	18900	19100	Tune-up power(dBm)
20	QPSK	1	0	ANT4	Full Power	23.87	23.85	23.84	24.50
20	QPSK	1	49	ANT4	Full Power	23.87	23.80	23.83	24.50
20	QPSK	1	99	ANT4	Full Power	23.79	23.83	23.82	24.50
20	QPSK	50	0	ANT4	Full Power	22.84	22.80	22.85	23.50
20	QPSK	50	25	ANT4	Full Power	22.82	22.88	22.82	23.50
20	QPSK	50	50	ANT4	Full Power	22.81	22.81	22.81	23.50
20	QPSK	100	0	ANT4	Full Power	22.83	22.83	22.93	23.50
20	16QAM	1	0	ANT4	Full Power	22.79	22.86	22.78	23.50
20	16QAM	1	49	ANT4	Full Power	22.88	22.78	22.85	23.50
20	16QAM	1	99	ANT4	Full Power	22.89	22.87	22.86	23.50
20	16QAM	50	0	ANT4	Full Power	21.81	21.91	21.82	22.50
20	16QAM	50	25	ANT4	Full Power	21.76	21.83	21.94	22.50
20	16QAM	50	50	ANT4	Full Power	21.82	21.89	21.95	22.50
20	16QAM	100	0	ANT4	Full Power	21.82	21.81	21.90	22.50
20	64QAM	1	0	ANT4	Full Power	21.84	21.78	21.90	22.50
20	64QAM	1	49	ANT4	Full Power	21.87	21.85	21.87	22.50
20	64QAM	1	99	ANT4	Full Power	21.87	21.85	21.82	22.50
20	64QAM	50	0	ANT4	Full Power	20.85	20.80	20.88	21.50
20	64QAM	50	25	ANT4	Full Power	20.92	20.81	20.80	21.50
20	64QAM	50	50	ANT4	Full Power	20.85	20.78	20.90	21.50
20	64QAM	100	0	ANT4	Full Power	20.88	20.83	20.85	21.50
20	256QAM	1	0	ANT4	Full Power	18.86	18.85	18.81	19.50
20	256QAM	1	49	ANT4	Full Power	18.92	18.78	18.82	19.50
20	256QAM	1	99	ANT4	Full Power	18.88	18.83	18.77	19.50
20	256QAM	50	0	ANT4	Full Power	18.90	18.80	18.86	19.50
20	256QAM	50	25	ANT4	Full Power	18.79	18.88	18.85	19.50
20	256QAM	50	50	ANT4	Full Power	18.91	18.90	18.82	19.50
20	256QAM	100	0	ANT4	Full Power	18.83	18.97	18.87	19.50

Band				LTE Band2(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18607	18900	19185	Tune-up power(dBm)
1.4	QPSK	1	0	ANT4	DSI1&2	21.50	21.42	21.45	22.00
1.4	QPSK	1	2	ANT4	DSI1&2	21.46	21.35	21.36	22.00
1.4	QPSK	1	5	ANT4	DSI1&2	21.37	21.36	21.35	22.00
1.4	QPSK	3	0	ANT4	DSI1&2	21.45	21.40	21.45	22.00
1.4	QPSK	3	1	ANT4	DSI1&2	21.39	21.50	21.39	22.00
1.4	QPSK	3	3	ANT4	DSI1&2	21.45	21.42	21.48	22.00
1.4	QPSK	6	0	ANT4	DSI1&2	21.39	21.48	21.39	22.00
1.4	16QAM	1	0	ANT4	DSI1&2	21.36	21.50	21.50	22.00
1.4	16QAM	1	2	ANT4	DSI1&2	21.49	21.46	21.49	22.00
1.4	16QAM	1	5	ANT4	DSI1&2	21.41	21.46	21.48	22.00
1.4	16QAM	3	0	ANT4	DSI1&2	21.46	21.41	21.49	22.00
1.4	16QAM	3	1	ANT4	DSI1&2	21.37	21.38	21.44	22.00
1.4	16QAM	3	3	ANT4	DSI1&2	21.47	21.39	21.35	22.00
1.4	16QAM	6	0	ANT4	DSI1&2	21.45	21.39	21.49	22.00
1.4	64QAM	1	0	ANT4	DSI1&2	21.40	21.47	21.46	22.00
1.4	64QAM	1	2	ANT4	DSI1&2	21.43	21.40	21.42	22.00
1.4	64QAM	1	5	ANT4	DSI1&2	21.40	21.39	21.45	22.00
1.4	64QAM	3	0	ANT4	DSI1&2	21.40	21.39	21.50	22.00
1.4	64QAM	3	1	ANT4	DSI1&2	21.40	21.49	21.38	22.00
1.4	64QAM	3	3	ANT4	DSI1&2	21.45	21.44	21.50	22.00
1.4	64QAM	6	0	ANT4	DSI1&2	20.93	20.87	20.96	21.50
1.4	256QAM	1	0	ANT4	DSI1&2	18.99	18.88	18.95	19.50
1.4	256QAM	1	2	ANT4	DSI1&2	18.94	18.90	18.87	19.50
1.4	256QAM	1	5	ANT4	DSI1&2	18.99	18.93	18.96	19.50
1.4	256QAM	3	0	ANT4	DSI1&2	19.00	18.92	18.95	19.50
1.4	256QAM	3	1	ANT4	DSI1&2	18.90	18.88	18.87	19.50
1.4	256QAM	3	3	ANT4	DSI1&2	18.98	18.95	18.98	19.50
1.4	256QAM	6	0	ANT4	DSI1&2	19.00	18.98	18.96	19.50

Band				LTE Band2(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18615	18900	19175	Tune-up power(dBm)
3	QPSK	1	0	ANT4	DSI1&2	21.38	21.48	21.43	22.00
3	QPSK	1	7	ANT4	DSI1&2	21.39	21.38	21.47	22.00
3	QPSK	1	14	ANT4	DSI1&2	21.48	21.44	21.49	22.00
3	QPSK	8	0	ANT4	DSI1&2	21.37	21.50	21.40	22.00
3	QPSK	8	3	ANT4	DSI1&2	21.42	21.37	21.44	22.00
3	QPSK	8	7	ANT4	DSI1&2	21.39	21.42	21.41	22.00
3	QPSK	15	0	ANT4	DSI1&2	21.50	21.35	21.44	22.00
3	16QAM	1	0	ANT4	DSI1&2	21.45	21.47	21.39	22.00
3	16QAM	1	7	ANT4	DSI1&2	21.50	21.43	21.48	22.00
3	16QAM	1	14	ANT4	DSI1&2	21.50	21.40	21.46	22.00
3	16QAM	8	0	ANT4	DSI1&2	21.50	21.36	21.46	22.00
3	16QAM	8	3	ANT4	DSI1&2	21.45	21.44	21.38	22.00
3	16QAM	8	7	ANT4	DSI1&2	21.43	21.36	21.47	22.00
3	16QAM	15	0	ANT4	DSI1&2	21.42	21.38	21.38	22.00
3	64QAM	1	0	ANT4	DSI1&2	21.48	21.44	21.48	22.00
3	64QAM	1	7	ANT4	DSI1&2	21.43	21.39	21.45	22.00
3	64QAM	1	14	ANT4	DSI1&2	21.41	21.44	21.39	22.00
3	64QAM	8	0	ANT4	DSI1&2	20.94	20.93	20.85	21.50
3	64QAM	8	3	ANT4	DSI1&2	20.92	20.97	20.99	21.50
3	64QAM	8	7	ANT4	DSI1&2	20.93	20.90	20.95	21.50
3	64QAM	15	0	ANT4	DSI1&2	20.89	20.94	20.93	21.50
3	256QAM	1	0	ANT4	DSI1&2	19.00	18.95	18.99	19.50
3	256QAM	1	7	ANT4	DSI1&2	18.87	18.88	18.96	19.50
3	256QAM	1	14	ANT4	DSI1&2	18.87	18.95	18.99	19.50
3	256QAM	8	0	ANT4	DSI1&2	18.87	18.95	18.87	19.50
3	256QAM	8	3	ANT4	DSI1&2	18.96	18.94	18.97	19.50
3	256QAM	8	7	ANT4	DSI1&2	18.96	18.99	18.92	19.50
3	256QAM	15	0	ANT4	DSI1&2	18.98	18.91	18.91	19.50

Band				LTE Band2(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18625	18900	19175	Tune-up power(dBm)
5	QPSK	1	0	ANT4	DSI1&2	21.50	21.39	21.43	22.00
5	QPSK	1	12	ANT4	DSI1&2	21.46	21.43	21.35	22.00
5	QPSK	1	24	ANT4	DSI1&2	21.39	21.48	21.37	22.00
5	QPSK	12	0	ANT4	DSI1&2	21.40	21.50	21.48	22.00
5	QPSK	12	6	ANT4	DSI1&2	21.49	21.43	21.48	22.00
5	QPSK	12	13	ANT4	DSI1&2	21.49	21.35	21.41	22.00
5	QPSK	25	0	ANT4	DSI1&2	21.36	21.46	21.38	22.00
5	16QAM	1	0	ANT4	DSI1&2	21.36	21.37	21.45	22.00
5	16QAM	1	12	ANT4	DSI1&2	21.37	21.41	21.41	22.00
5	16QAM	1	24	ANT4	DSI1&2	21.37	21.38	21.48	22.00
5	16QAM	12	0	ANT4	DSI1&2	21.37	21.37	21.49	22.00
5	16QAM	12	6	ANT4	DSI1&2	21.43	21.41	21.37	22.00
5	16QAM	12	13	ANT4	DSI1&2	21.36	21.37	21.47	22.00
5	16QAM	25	0	ANT4	DSI1&2	21.46	21.39	21.35	22.00
5	64QAM	1	0	ANT4	DSI1&2	21.50	21.46	21.39	22.00
5	64QAM	1	12	ANT4	DSI1&2	21.38	21.35	21.48	22.00
5	64QAM	1	24	ANT4	DSI1&2	21.41	21.45	21.36	22.00
5	64QAM	12	0	ANT4	DSI1&2	20.95	20.92	20.89	21.50
5	64QAM	12	6	ANT4	DSI1&2	20.97	20.96	20.99	21.50
5	64QAM	12	13	ANT4	DSI1&2	20.95	20.99	20.96	21.50
5	64QAM	25	0	ANT4	DSI1&2	20.94	20.96	20.94	21.50
5	256QAM	1	0	ANT4	DSI1&2	18.95	18.85	18.87	19.50
5	256QAM	1	12	ANT4	DSI1&2	18.97	18.98	18.87	19.50
5	256QAM	1	24	ANT4	DSI1&2	18.91	18.85	18.85	19.50
5	256QAM	12	0	ANT4	DSI1&2	18.92	18.93	18.89	19.50
5	256QAM	12	6	ANT4	DSI1&2	18.97	18.89	18.90	19.50
5	256QAM	12	13	ANT4	DSI1&2	18.97	18.98	19.00	19.50
5	256QAM	25	0	ANT4	DSI1&2	18.90	18.99	18.90	19.50

Band				LTE Band2(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18650	18900	19150	Tune-up power(dBm)
10	QPSK	1	0	ANT4	DSI1&2	21.37	21.40	21.40	22.00
10	QPSK	1	24	ANT4	DSI1&2	21.50	21.38	21.43	22.00
10	QPSK	1	49	ANT4	DSI1&2	21.44	21.50	21.43	22.00
10	QPSK	25	0	ANT4	DSI1&2	21.46	21.50	21.50	22.00
10	QPSK	25	12	ANT4	DSI1&2	21.40	21.42	21.47	22.00
10	QPSK	25	25	ANT4	DSI1&2	21.37	21.45	21.41	22.00
10	QPSK	50	0	ANT4	DSI1&2	21.43	21.37	21.41	22.00
10	16QAM	1	0	ANT4	DSI1&2	21.40	21.39	21.38	22.00
10	16QAM	1	24	ANT4	DSI1&2	21.45	21.43	21.38	22.00
10	16QAM	1	49	ANT4	DSI1&2	21.39	21.37	21.48	22.00
10	16QAM	25	0	ANT4	DSI1&2	21.44	21.35	21.39	22.00
10	16QAM	25	12	ANT4	DSI1&2	21.43	21.49	21.38	22.00
10	16QAM	25	25	ANT4	DSI1&2	21.45	21.35	21.37	22.00
10	16QAM	50	0	ANT4	DSI1&2	21.41	21.40	21.49	22.00
10	64QAM	1	0	ANT4	DSI1&2	21.35	21.40	21.40	22.00
10	64QAM	1	24	ANT4	DSI1&2	21.38	21.38	21.47	22.00
10	64QAM	1	49	ANT4	DSI1&2	21.44	21.43	21.50	22.00
10	64QAM	25	0	ANT4	DSI1&2	20.96	20.98	20.86	21.50
10	64QAM	25	12	ANT4	DSI1&2	20.92	20.86	20.97	21.50
10	64QAM	25	25	ANT4	DSI1&2	20.95	20.92	20.87	21.50
10	64QAM	50	0	ANT4	DSI1&2	20.95	20.96	20.92	21.50
10	256QAM	1	0	ANT4	DSI1&2	18.89	18.90	18.93	19.50
10	256QAM	1	24	ANT4	DSI1&2	18.89	18.97	18.94	19.50
10	256QAM	1	49	ANT4	DSI1&2	18.87	18.94	18.98	19.50
10	256QAM	25	0	ANT4	DSI1&2	18.91	18.86	18.87	19.50
10	256QAM	25	12	ANT4	DSI1&2	18.96	18.89	18.91	19.50
10	256QAM	25	25	ANT4	DSI1&2	18.98	18.94	18.94	19.50
10	256QAM	50	0	ANT4	DSI1&2	18.96	18.89	18.87	19.50

Band				LTE Band2(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18675	18900	19125	Tune-up power(dBm)
15	QPSK	1	0	ANT4	DSI1&2	21.40	21.41	21.42	22.00
15	QPSK	1	37	ANT4	DSI1&2	21.48	21.41	21.35	22.00
15	QPSK	1	74	ANT4	DSI1&2	21.37	21.35	21.38	22.00
15	QPSK	36	0	ANT4	DSI1&2	21.46	21.50	21.36	22.00
15	QPSK	36	19	ANT4	DSI1&2	21.35	21.48	21.49	22.00
15	QPSK	36	39	ANT4	DSI1&2	21.49	21.47	21.45	22.00
15	QPSK	75	0	ANT4	DSI1&2	21.43	21.50	21.41	22.00
15	16QAM	1	0	ANT4	DSI1&2	21.44	21.39	21.36	22.00
15	16QAM	1	37	ANT4	DSI1&2	21.45	21.41	21.47	22.00
15	16QAM	1	74	ANT4	DSI1&2	21.42	21.38	21.50	22.00
15	16QAM	36	0	ANT4	DSI1&2	21.45	21.49	21.49	22.00
15	16QAM	36	19	ANT4	DSI1&2	21.36	21.36	21.49	22.00
15	16QAM	36	39	ANT4	DSI1&2	21.44	21.40	21.50	22.00
15	16QAM	75	0	ANT4	DSI1&2	21.35	21.42	21.47	22.00
15	64QAM	1	0	ANT4	DSI1&2	21.39	21.48	21.37	22.00
15	64QAM	1	37	ANT4	DSI1&2	21.35	21.38	21.50	22.00
15	64QAM	1	74	ANT4	DSI1&2	21.40	21.48	21.44	22.00
15	64QAM	36	0	ANT4	DSI1&2	20.90	20.87	20.90	21.50
15	64QAM	36	19	ANT4	DSI1&2	20.90	20.88	20.98	21.50
15	64QAM	36	39	ANT4	DSI1&2	20.98	21.00	20.88	21.50
15	64QAM	75	0	ANT4	DSI1&2	20.92	20.87	20.98	21.50
15	256QAM	1	0	ANT4	DSI1&2	18.92	18.97	18.89	19.50
15	256QAM	1	37	ANT4	DSI1&2	18.88	18.91	18.94	19.50
15	256QAM	1	74	ANT4	DSI1&2	18.98	18.91	18.92	19.50
15	256QAM	36	0	ANT4	DSI1&2	18.85	18.90	18.93	19.50
15	256QAM	36	19	ANT4	DSI1&2	18.87	18.94	18.98	19.50
15	256QAM	36	39	ANT4	DSI1&2	18.85	18.98	18.94	19.50
15	256QAM	75	0	ANT4	DSI1&2	18.92	18.97	18.92	19.50

Band				LTE Band2(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18700	18900	19100	Tune-up power(dBm)
20	QPSK	1	0	ANT4	DSI1&2	21.37	21.37	21.43	22.00
20	QPSK	1	49	ANT4	DSI1&2	21.38	21.39	21.37	22.00
20	QPSK	1	99	ANT4	DSI1&2	21.45	21.47	21.41	22.00
20	QPSK	50	0	ANT4	DSI1&2	21.35	21.37	21.35	22.00
20	QPSK	50	25	ANT4	DSI1&2	21.49	21.36	21.35	22.00
20	QPSK	50	50	ANT4	DSI1&2	21.44	21.46	21.35	22.00
20	QPSK	100	0	ANT4	DSI1&2	21.39	21.49	21.38	22.00
20	16QAM	1	0	ANT4	DSI1&2	21.39	21.42	21.41	22.00
20	16QAM	1	49	ANT4	DSI1&2	21.38	21.44	21.45	22.00
20	16QAM	1	99	ANT4	DSI1&2	21.38	21.47	21.49	22.00
20	16QAM	50	0	ANT4	DSI1&2	21.40	21.47	21.41	22.00
20	16QAM	50	25	ANT4	DSI1&2	21.48	21.47	21.49	22.00
20	16QAM	50	50	ANT4	DSI1&2	21.42	21.49	21.44	22.00
20	16QAM	100	0	ANT4	DSI1&2	21.40	21.37	21.36	22.00
20	64QAM	1	0	ANT4	DSI1&2	21.47	21.38	21.38	22.00
20	64QAM	1	49	ANT4	DSI1&2	21.43	21.49	21.50	22.00
20	64QAM	1	99	ANT4	DSI1&2	21.45	21.50	21.40	22.00
20	64QAM	50	0	ANT4	DSI1&2	20.93	20.97	20.92	21.50
20	64QAM	50	25	ANT4	DSI1&2	20.87	20.97	20.95	21.50
20	64QAM	50	50	ANT4	DSI1&2	20.90	20.88	20.97	21.50
20	64QAM	100	0	ANT4	DSI1&2	20.92	20.92	20.89	21.50
20	256QAM	1	0	ANT4	DSI1&2	18.93	18.94	18.92	19.50
20	256QAM	1	49	ANT4	DSI1&2	18.87	18.85	18.96	19.50
20	256QAM	1	99	ANT4	DSI1&2	19.00	18.90	18.88	19.50
20	256QAM	50	0	ANT4	DSI1&2	18.98	18.86	18.89	19.50
20	256QAM	50	25	ANT4	DSI1&2	18.89	18.88	19.00	19.50
20	256QAM	50	50	ANT4	DSI1&2	18.95	18.85	18.94	19.50
20	256QAM	100	0	ANT4	DSI1&2	18.94	18.94	18.93	19.50

Band				LTE Band2(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18607	18900	19185	Tune-up power(dBm)
1.4	QPSK	1	0	ANT4	DSI3	17.91	18.04	17.96	19.00
1.4	QPSK	1	2	ANT4	DSI3	17.93	17.99	18.05	19.00
1.4	QPSK	1	5	ANT4	DSI3	18.04	17.93	17.94	19.00
1.4	QPSK	3	0	ANT4	DSI3	18.06	17.98	18.03	19.00
1.4	QPSK	3	1	ANT4	DSI3	18.04	17.96	18.01	19.00
1.4	QPSK	3	3	ANT4	DSI3	18.07	17.94	17.92	19.00
1.4	QPSK	6	0	ANT4	DSI3	18.10	17.94	17.94	19.00
1.4	16QAM	1	0	ANT4	DSI3	17.99	17.97	18.10	19.00
1.4	16QAM	1	2	ANT4	DSI3	18.00	18.01	18.04	19.00
1.4	16QAM	1	5	ANT4	DSI3	18.07	17.94	18.05	19.00
1.4	16QAM	3	0	ANT4	DSI3	17.91	18.05	17.90	19.00
1.4	16QAM	3	1	ANT4	DSI3	18.06	17.95	17.99	19.00
1.4	16QAM	3	3	ANT4	DSI3	17.97	18.00	18.07	19.00
1.4	16QAM	6	0	ANT4	DSI3	18.03	18.03	17.93	19.00
1.4	64QAM	1	0	ANT4	DSI3	17.93	17.99	17.95	19.00
1.4	64QAM	1	2	ANT4	DSI3	18.08	18.07	17.92	19.00
1.4	64QAM	1	5	ANT4	DSI3	18.01	17.93	18.06	19.00
1.4	64QAM	3	0	ANT4	DSI3	17.93	18.02	18.03	19.00
1.4	64QAM	3	1	ANT4	DSI3	18.09	17.93	17.91	19.00
1.4	64QAM	3	3	ANT4	DSI3	17.90	18.00	17.90	19.00
1.4	64QAM	6	0	ANT4	DSI3	17.92	18.00	17.96	19.00
1.4	256QAM	1	0	ANT4	DSI3	17.91	17.91	18.02	19.00
1.4	256QAM	1	2	ANT4	DSI3	18.00	17.91	18.06	19.00
1.4	256QAM	1	5	ANT4	DSI3	18.02	17.99	17.92	19.00
1.4	256QAM	3	0	ANT4	DSI3	18.07	18.10	17.93	19.00
1.4	256QAM	3	1	ANT4	DSI3	17.96	18.08	17.90	19.00
1.4	256QAM	3	3	ANT4	DSI3	18.04	18.07	18.04	19.00
1.4	256QAM	6	0	ANT4	DSI3	18.06	17.98	18.00	19.00

Band				LTE Band2(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18615	18900	19175	Tune-up power(dBm)
3	QPSK	1	0	ANT4	DSI3	18.02	17.90	18.04	19.00
3	QPSK	1	7	ANT4	DSI3	17.91	18.08	17.98	19.00
3	QPSK	1	14	ANT4	DSI3	18.10	18.04	17.97	19.00
3	QPSK	8	0	ANT4	DSI3	17.99	17.97	18.10	19.00
3	QPSK	8	3	ANT4	DSI3	17.91	17.94	17.93	19.00
3	QPSK	8	7	ANT4	DSI3	17.94	17.95	18.05	19.00
3	QPSK	15	0	ANT4	DSI3	17.99	17.94	18.09	19.00
3	16QAM	1	0	ANT4	DSI3	18.09	17.95	17.98	19.00
3	16QAM	1	7	ANT4	DSI3	17.90	17.97	17.99	19.00
3	16QAM	1	14	ANT4	DSI3	18.03	17.93	17.95	19.00
3	16QAM	8	0	ANT4	DSI3	18.00	18.01	17.91	19.00
3	16QAM	8	3	ANT4	DSI3	18.06	18.10	17.99	19.00
3	16QAM	8	7	ANT4	DSI3	18.05	18.07	18.06	19.00
3	16QAM	15	0	ANT4	DSI3	17.99	18.02	17.98	19.00
3	64QAM	1	0	ANT4	DSI3	17.90	18.01	18.01	19.00
3	64QAM	1	7	ANT4	DSI3	18.01	17.93	18.00	19.00
3	64QAM	1	14	ANT4	DSI3	17.90	18.01	18.07	19.00
3	64QAM	8	0	ANT4	DSI3	18.10	18.02	18.06	19.00
3	64QAM	8	3	ANT4	DSI3	18.02	18.02	18.07	19.00
3	64QAM	8	7	ANT4	DSI3	17.94	18.10	18.05	19.00
3	64QAM	15	0	ANT4	DSI3	17.95	17.95	18.05	19.00
3	256QAM	1	0	ANT4	DSI3	17.99	18.04	17.95	19.00
3	256QAM	1	7	ANT4	DSI3	17.90	17.90	18.07	19.00
3	256QAM	1	14	ANT4	DSI3	17.93	18.09	18.02	19.00
3	256QAM	8	0	ANT4	DSI3	17.96	18.10	17.90	19.00
3	256QAM	8	3	ANT4	DSI3	17.98	18.09	18.10	19.00
3	256QAM	8	7	ANT4	DSI3	18.04	18.10	17.90	19.00
3	256QAM	15	0	ANT4	DSI3	17.92	17.92	18.00	19.00

Band				LTE Band2(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18625	18900	19175	Tune-up power(dBm)
5	QPSK	1	0	ANT4	DSI3	18.00	18.06	17.97	19.00
5	QPSK	1	12	ANT4	DSI3	18.02	18.09	17.99	19.00
5	QPSK	1	24	ANT4	DSI3	17.96	17.92	17.92	19.00
5	QPSK	12	0	ANT4	DSI3	17.90	17.90	18.06	19.00
5	QPSK	12	6	ANT4	DSI3	17.93	18.06	18.10	19.00
5	QPSK	12	13	ANT4	DSI3	17.95	17.90	18.04	19.00
5	QPSK	25	0	ANT4	DSI3	18.10	17.92	18.06	19.00
5	16QAM	1	0	ANT4	DSI3	17.93	17.90	17.98	19.00
5	16QAM	1	12	ANT4	DSI3	18.01	18.08	18.01	19.00
5	16QAM	1	24	ANT4	DSI3	18.05	18.01	17.99	19.00
5	16QAM	12	0	ANT4	DSI3	18.10	17.95	18.06	19.00
5	16QAM	12	6	ANT4	DSI3	17.99	17.92	18.07	19.00
5	16QAM	12	13	ANT4	DSI3	17.99	18.08	17.98	19.00
5	16QAM	25	0	ANT4	DSI3	18.08	18.09	17.99	19.00
5	64QAM	1	0	ANT4	DSI3	17.98	17.94	18.00	19.00
5	64QAM	1	12	ANT4	DSI3	18.07	17.95	18.06	19.00
5	64QAM	1	24	ANT4	DSI3	18.01	18.09	17.97	19.00
5	64QAM	12	0	ANT4	DSI3	17.91	17.91	18.10	19.00
5	64QAM	12	6	ANT4	DSI3	17.90	18.05	18.10	19.00
5	64QAM	12	13	ANT4	DSI3	17.96	18.03	18.02	19.00
5	64QAM	25	0	ANT4	DSI3	18.03	18.08	18.01	19.00
5	256QAM	1	0	ANT4	DSI3	17.97	17.94	17.91	19.00
5	256QAM	1	12	ANT4	DSI3	18.02	17.91	17.96	19.00
5	256QAM	1	24	ANT4	DSI3	18.09	18.01	18.06	19.00
5	256QAM	12	0	ANT4	DSI3	17.93	18.03	17.99	19.00
5	256QAM	12	6	ANT4	DSI3	17.98	18.00	17.93	19.00
5	256QAM	12	13	ANT4	DSI3	17.93	18.08	17.99	19.00
5	256QAM	25	0	ANT4	DSI3	17.93	17.96	18.08	19.00

Band				LTE Band2(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18650	18900	19150	Tune-up power(dBm)
10	QPSK	1	0	ANT4	DSI3	17.93	18.02	17.90	19.00
10	QPSK	1	24	ANT4	DSI3	17.98	18.01	18.09	19.00
10	QPSK	1	49	ANT4	DSI3	17.91	17.90	17.92	19.00
10	QPSK	25	0	ANT4	DSI3	18.07	17.92	17.93	19.00
10	QPSK	25	12	ANT4	DSI3	17.96	17.96	18.04	19.00
10	QPSK	25	25	ANT4	DSI3	17.94	17.99	17.93	19.00
10	QPSK	50	0	ANT4	DSI3	18.08	18.04	17.96	19.00
10	16QAM	1	0	ANT4	DSI3	17.99	18.04	18.01	19.00
10	16QAM	1	24	ANT4	DSI3	18.04	17.99	17.91	19.00
10	16QAM	1	49	ANT4	DSI3	18.00	17.91	17.93	19.00
10	16QAM	25	0	ANT4	DSI3	18.07	18.05	18.09	19.00
10	16QAM	25	12	ANT4	DSI3	17.92	18.02	18.05	19.00
10	16QAM	25	25	ANT4	DSI3	18.10	17.98	18.00	19.00
10	16QAM	50	0	ANT4	DSI3	18.10	18.10	17.93	19.00
10	64QAM	1	0	ANT4	DSI3	18.03	17.92	18.02	19.00
10	64QAM	1	24	ANT4	DSI3	18.07	17.96	18.05	19.00
10	64QAM	1	49	ANT4	DSI3	18.09	17.97	17.99	19.00
10	64QAM	25	0	ANT4	DSI3	18.10	17.98	17.97	19.00
10	64QAM	25	12	ANT4	DSI3	17.95	18.10	18.01	19.00
10	64QAM	25	25	ANT4	DSI3	17.95	17.98	17.98	19.00
10	64QAM	50	0	ANT4	DSI3	17.94	17.95	18.00	19.00
10	256QAM	1	0	ANT4	DSI3	18.02	18.01	18.05	19.00
10	256QAM	1	24	ANT4	DSI3	17.90	17.94	17.92	19.00
10	256QAM	1	49	ANT4	DSI3	18.02	17.91	17.90	19.00
10	256QAM	25	0	ANT4	DSI3	18.02	18.03	18.00	19.00
10	256QAM	25	12	ANT4	DSI3	17.98	17.93	17.99	19.00
10	256QAM	25	25	ANT4	DSI3	18.00	17.92	18.10	19.00
10	256QAM	50	0	ANT4	DSI3	17.97	17.97	18.00	19.00

Band				LTE Band2(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18675	18900	19125	Tune-up power(dBm)
15	QPSK	1	0	ANT4	DSI3	18.04	17.91	17.91	19.00
15	QPSK	1	37	ANT4	DSI3	18.09	17.98	17.99	19.00
15	QPSK	1	74	ANT4	DSI3	17.98	18.05	18.08	19.00
15	QPSK	36	0	ANT4	DSI3	18.10	18.08	17.96	19.00
15	QPSK	36	19	ANT4	DSI3	17.91	18.08	17.96	19.00
15	QPSK	36	39	ANT4	DSI3	18.05	18.02	18.00	19.00
15	QPSK	75	0	ANT4	DSI3	17.90	18.10	17.97	19.00
15	16QAM	1	0	ANT4	DSI3	17.99	17.95	18.06	19.00
15	16QAM	1	37	ANT4	DSI3	17.99	17.98	17.97	19.00
15	16QAM	1	74	ANT4	DSI3	17.96	17.92	18.08	19.00
15	16QAM	36	0	ANT4	DSI3	18.01	18.06	17.94	19.00
15	16QAM	36	19	ANT4	DSI3	17.91	17.93	18.00	19.00
15	16QAM	36	39	ANT4	DSI3	17.99	17.91	17.97	19.00
15	16QAM	75	0	ANT4	DSI3	17.94	18.01	18.07	19.00
15	64QAM	1	0	ANT4	DSI3	18.01	17.92	18.03	19.00
15	64QAM	1	37	ANT4	DSI3	18.06	17.95	18.02	19.00
15	64QAM	1	74	ANT4	DSI3	17.90	18.00	17.93	19.00
15	64QAM	36	0	ANT4	DSI3	17.95	18.10	17.97	19.00
15	64QAM	36	19	ANT4	DSI3	18.03	17.96	17.98	19.00
15	64QAM	36	39	ANT4	DSI3	18.06	17.95	17.95	19.00
15	64QAM	75	0	ANT4	DSI3	18.06	18.03	17.95	19.00
15	256QAM	1	0	ANT4	DSI3	17.90	18.10	18.10	19.00
15	256QAM	1	37	ANT4	DSI3	18.02	17.95	17.98	19.00
15	256QAM	1	74	ANT4	DSI3	18.06	17.93	17.92	19.00
15	256QAM	36	0	ANT4	DSI3	18.06	17.92	18.03	19.00
15	256QAM	36	19	ANT4	DSI3	17.92	18.05	18.07	19.00
15	256QAM	36	39	ANT4	DSI3	18.09	17.98	18.10	19.00
15	256QAM	75	0	ANT4	DSI3	18.03	18.01	17.99	19.00

Band				LTE Band2(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18700	18900	19100	Tune-up power(dBm)
20	QPSK	1	0	ANT4	DSI3	17.99	18.08	18.01	19.00
20	QPSK	1	49	ANT4	DSI3	18.13	17.98	17.93	19.00
20	QPSK	1	99	ANT4	DSI3	18.10	18.10	18.10	19.00
20	QPSK	50	0	ANT4	DSI3	18.11	18.01	17.92	19.00
20	QPSK	50	25	ANT4	DSI3	17.97	17.98	17.97	19.00
20	QPSK	50	50	ANT4	DSI3	17.99	18.10	18.03	19.00
20	QPSK	100	0	ANT4	DSI3	17.90	18.04	18.06	19.00
20	16QAM	1	0	ANT4	DSI3	17.99	18.03	17.97	19.00
20	16QAM	1	49	ANT4	DSI3	17.90	17.92	18.07	19.00
20	16QAM	1	99	ANT4	DSI3	17.91	17.95	17.93	19.00
20	16QAM	50	0	ANT4	DSI3	17.99	17.90	18.01	19.00
20	16QAM	50	25	ANT4	DSI3	17.97	18.10	18.10	19.00
20	16QAM	50	50	ANT4	DSI3	18.09	18.04	18.05	19.00
20	16QAM	100	0	ANT4	DSI3	17.90	17.99	18.08	19.00
20	64QAM	1	0	ANT4	DSI3	17.92	17.90	17.96	19.00
20	64QAM	1	49	ANT4	DSI3	17.93	18.05	18.10	19.00
20	64QAM	1	99	ANT4	DSI3	17.92	18.04	18.00	19.00
20	64QAM	50	0	ANT4	DSI3	18.02	18.00	18.03	19.00
20	64QAM	50	25	ANT4	DSI3	18.04	18.05	17.97	19.00
20	64QAM	50	50	ANT4	DSI3	18.06	18.06	18.05	19.00
20	64QAM	100	0	ANT4	DSI3	17.99	17.98	18.02	19.00
20	256QAM	1	0	ANT4	DSI3	18.03	17.94	18.03	19.00
20	256QAM	1	49	ANT4	DSI3	18.02	18.03	17.92	19.00
20	256QAM	1	99	ANT4	DSI3	17.96	17.96	17.92	19.00
20	256QAM	50	0	ANT4	DSI3	17.95	18.09	17.99	19.00
20	256QAM	50	25	ANT4	DSI3	18.02	17.94	18.03	19.00
20	256QAM	50	50	ANT4	DSI3	17.99	17.91	17.90	19.00
20	256QAM	100	0	ANT4	DSI3	18.05	17.98	17.93	19.00

Band				LTE Band2(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18607	18900	19185	Tune-up power(dBm)
1.4	QPSK	1	0	ANT4	DSI4	17.95	17.92	17.96	18.50
1.4	QPSK	1	2	ANT4	DSI4	17.84	17.84	17.86	18.50
1.4	QPSK	1	5	ANT4	DSI4	17.80	17.90	17.80	18.50
1.4	QPSK	3	0	ANT4	DSI4	17.99	17.93	17.98	18.50
1.4	QPSK	3	1	ANT4	DSI4	17.96	17.87	17.91	18.50
1.4	QPSK	3	3	ANT4	DSI4	17.95	17.99	17.98	18.50
1.4	QPSK	6	0	ANT4	DSI4	17.86	17.85	17.86	18.50
1.4	16QAM	1	0	ANT4	DSI4	17.99	17.89	17.96	18.50
1.4	16QAM	1	2	ANT4	DSI4	17.90	17.96	17.81	18.50
1.4	16QAM	1	5	ANT4	DSI4	17.96	17.94	17.86	18.50
1.4	16QAM	3	0	ANT4	DSI4	17.95	17.85	17.88	18.50
1.4	16QAM	3	1	ANT4	DSI4	17.98	17.97	17.90	18.50
1.4	16QAM	3	3	ANT4	DSI4	17.81	17.99	17.81	18.50
1.4	16QAM	6	0	ANT4	DSI4	17.86	17.98	17.94	18.50
1.4	64QAM	1	0	ANT4	DSI4	17.81	17.84	17.97	18.50
1.4	64QAM	1	2	ANT4	DSI4	17.96	17.90	17.96	18.50
1.4	64QAM	1	5	ANT4	DSI4	17.98	17.90	17.89	18.50
1.4	64QAM	3	0	ANT4	DSI4	17.83	18.00	17.84	18.50
1.4	64QAM	3	1	ANT4	DSI4	17.90	17.88	17.82	18.50
1.4	64QAM	3	3	ANT4	DSI4	17.92	17.92	18.00	18.50
1.4	64QAM	6	0	ANT4	DSI4	17.88	17.82	17.80	18.50
1.4	256QAM	1	0	ANT4	DSI4	17.81	17.85	17.80	18.50
1.4	256QAM	1	2	ANT4	DSI4	17.97	17.98	17.85	18.50
1.4	256QAM	1	5	ANT4	DSI4	17.99	18.00	17.87	18.50
1.4	256QAM	3	0	ANT4	DSI4	17.88	17.83	18.00	18.50
1.4	256QAM	3	1	ANT4	DSI4	17.83	17.89	18.00	18.50
1.4	256QAM	3	3	ANT4	DSI4	17.90	17.97	17.89	18.50
1.4	256QAM	6	0	ANT4	DSI4	17.87	17.81	17.83	18.50

Band				LTE Band2(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18615	18900	19175	Tune-up power(dBm)
3	QPSK	1	0	ANT4	DSI4	17.94	17.91	17.82	18.50
3	QPSK	1	7	ANT4	DSI4	17.82	17.85	18.00	18.50
3	QPSK	1	14	ANT4	DSI4	17.91	17.90	17.83	18.50
3	QPSK	8	0	ANT4	DSI4	17.87	17.93	17.86	18.50
3	QPSK	8	3	ANT4	DSI4	17.90	17.92	17.88	18.50
3	QPSK	8	7	ANT4	DSI4	18.00	17.83	17.81	18.50
3	QPSK	15	0	ANT4	DSI4	17.88	17.88	17.88	18.50
3	16QAM	1	0	ANT4	DSI4	17.97	17.94	17.95	18.50
3	16QAM	1	7	ANT4	DSI4	17.84	17.94	17.81	18.50
3	16QAM	1	14	ANT4	DSI4	17.84	17.84	17.94	18.50
3	16QAM	8	0	ANT4	DSI4	17.80	17.89	17.96	18.50
3	16QAM	8	3	ANT4	DSI4	17.88	17.81	17.80	18.50
3	16QAM	8	7	ANT4	DSI4	17.99	17.85	17.86	18.50
3	16QAM	15	0	ANT4	DSI4	17.87	17.86	17.80	18.50
3	64QAM	1	0	ANT4	DSI4	17.94	17.88	18.00	18.50
3	64QAM	1	7	ANT4	DSI4	17.91	17.94	17.83	18.50
3	64QAM	1	14	ANT4	DSI4	17.82	17.82	17.98	18.50
3	64QAM	8	0	ANT4	DSI4	17.90	17.88	18.00	18.50
3	64QAM	8	3	ANT4	DSI4	17.97	17.94	17.97	18.50
3	64QAM	8	7	ANT4	DSI4	17.95	17.84	17.86	18.50
3	64QAM	15	0	ANT4	DSI4	17.98	17.87	17.91	18.50
3	256QAM	1	0	ANT4	DSI4	17.82	17.95	17.99	18.50
3	256QAM	1	7	ANT4	DSI4	17.98	17.91	17.89	18.50
3	256QAM	1	14	ANT4	DSI4	17.85	17.88	17.89	18.50
3	256QAM	8	0	ANT4	DSI4	17.87	17.83	17.95	18.50
3	256QAM	8	3	ANT4	DSI4	17.86	17.84	17.98	18.50
3	256QAM	8	7	ANT4	DSI4	17.86	17.93	17.91	18.50
3	256QAM	15	0	ANT4	DSI4	17.97	17.90	17.86	18.50

Band				LTE Band2(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18625	18900	19175	Tune-up power(dBm)
5	QPSK	1	0	ANT4	DSI4	17.81	17.83	17.95	18.50
5	QPSK	1	12	ANT4	DSI4	17.99	17.82	17.80	18.50
5	QPSK	1	24	ANT4	DSI4	18.00	17.93	17.96	18.50
5	QPSK	12	0	ANT4	DSI4	17.81	17.95	17.96	18.50
5	QPSK	12	6	ANT4	DSI4	17.82	17.89	17.92	18.50
5	QPSK	12	13	ANT4	DSI4	17.85	17.91	17.82	18.50
5	QPSK	25	0	ANT4	DSI4	17.96	17.93	17.92	18.50
5	16QAM	1	0	ANT4	DSI4	17.88	17.94	17.97	18.50
5	16QAM	1	12	ANT4	DSI4	17.96	17.90	18.00	18.50
5	16QAM	1	24	ANT4	DSI4	17.82	17.97	17.86	18.50
5	16QAM	12	0	ANT4	DSI4	17.90	17.93	17.81	18.50
5	16QAM	12	6	ANT4	DSI4	17.93	17.95	17.97	18.50
5	16QAM	12	13	ANT4	DSI4	17.94	18.00	18.00	18.50
5	16QAM	25	0	ANT4	DSI4	17.91	17.85	17.80	18.50
5	64QAM	1	0	ANT4	DSI4	17.94	17.86	17.96	18.50
5	64QAM	1	12	ANT4	DSI4	17.82	17.91	17.90	18.50
5	64QAM	1	24	ANT4	DSI4	17.82	17.89	17.86	18.50
5	64QAM	12	0	ANT4	DSI4	17.93	17.80	17.81	18.50
5	64QAM	12	6	ANT4	DSI4	17.83	17.80	18.00	18.50
5	64QAM	12	13	ANT4	DSI4	17.81	17.96	17.97	18.50
5	64QAM	25	0	ANT4	DSI4	17.89	17.84	17.82	18.50
5	256QAM	1	0	ANT4	DSI4	17.81	17.98	17.85	18.50
5	256QAM	1	12	ANT4	DSI4	17.98	17.81	17.83	18.50
5	256QAM	1	24	ANT4	DSI4	17.88	17.87	17.95	18.50
5	256QAM	12	0	ANT4	DSI4	17.90	17.88	17.99	18.50
5	256QAM	12	6	ANT4	DSI4	17.92	17.96	17.97	18.50
5	256QAM	12	13	ANT4	DSI4	18.00	17.83	17.99	18.50
5	256QAM	25	0	ANT4	DSI4	18.00	17.93	17.86	18.50

Band				LTE Band2(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18650	18900	19150	Tune-up power(dBm)
10	QPSK	1	0	ANT4	DSI4	17.80	17.85	17.85	18.50
10	QPSK	1	24	ANT4	DSI4	17.90	17.85	17.87	18.50
10	QPSK	1	49	ANT4	DSI4	17.96	17.86	17.90	18.50
10	QPSK	25	0	ANT4	DSI4	17.85	17.94	17.88	18.50
10	QPSK	25	12	ANT4	DSI4	17.98	17.99	17.81	18.50
10	QPSK	25	25	ANT4	DSI4	17.94	17.97	17.90	18.50
10	QPSK	50	0	ANT4	DSI4	17.99	17.82	17.97	18.50
10	16QAM	1	0	ANT4	DSI4	17.88	17.86	17.85	18.50
10	16QAM	1	24	ANT4	DSI4	17.83	17.84	17.99	18.50
10	16QAM	1	49	ANT4	DSI4	17.83	17.89	17.98	18.50
10	16QAM	25	0	ANT4	DSI4	17.94	17.98	17.85	18.50
10	16QAM	25	12	ANT4	DSI4	17.95	17.86	17.86	18.50
10	16QAM	25	25	ANT4	DSI4	17.98	17.87	17.85	18.50
10	16QAM	50	0	ANT4	DSI4	17.98	17.81	17.83	18.50
10	64QAM	1	0	ANT4	DSI4	17.80	17.85	17.89	18.50
10	64QAM	1	24	ANT4	DSI4	17.97	17.97	17.99	18.50
10	64QAM	1	49	ANT4	DSI4	17.92	17.99	17.81	18.50
10	64QAM	25	0	ANT4	DSI4	17.94	17.83	17.91	18.50
10	64QAM	25	12	ANT4	DSI4	18.00	17.93	17.96	18.50
10	64QAM	25	25	ANT4	DSI4	17.95	17.87	17.90	18.50
10	64QAM	50	0	ANT4	DSI4	17.89	17.97	17.84	18.50
10	256QAM	1	0	ANT4	DSI4	17.85	18.00	17.81	18.50
10	256QAM	1	24	ANT4	DSI4	18.00	17.98	17.91	18.50
10	256QAM	1	49	ANT4	DSI4	17.82	17.99	17.91	18.50
10	256QAM	25	0	ANT4	DSI4	17.93	17.92	17.87	18.50
10	256QAM	25	12	ANT4	DSI4	17.94	17.91	17.91	18.50
10	256QAM	25	25	ANT4	DSI4	17.90	17.81	17.95	18.50
10	256QAM	50	0	ANT4	DSI4	17.99	17.88	17.90	18.50

Band				LTE Band2(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18675	18900	19125	Tune-up power(dBm)
15	QPSK	1	0	ANT4	DSI4	17.93	17.88	18.00	18.50
15	QPSK	1	37	ANT4	DSI4	17.85	17.99	17.84	18.50
15	QPSK	1	74	ANT4	DSI4	17.80	17.90	17.81	18.50
15	QPSK	36	0	ANT4	DSI4	17.86	18.00	17.88	18.50
15	QPSK	36	19	ANT4	DSI4	17.97	17.87	17.94	18.50
15	QPSK	36	39	ANT4	DSI4	17.80	17.90	17.83	18.50
15	QPSK	75	0	ANT4	DSI4	17.85	17.92	17.88	18.50
15	16QAM	1	0	ANT4	DSI4	17.99	17.80	17.95	18.50
15	16QAM	1	37	ANT4	DSI4	17.84	17.98	17.92	18.50
15	16QAM	1	74	ANT4	DSI4	17.94	17.99	17.82	18.50
15	16QAM	36	0	ANT4	DSI4	17.80	17.87	17.94	18.50
15	16QAM	36	19	ANT4	DSI4	17.93	17.99	17.87	18.50
15	16QAM	36	39	ANT4	DSI4	17.82	17.91	17.93	18.50
15	16QAM	75	0	ANT4	DSI4	17.89	17.98	17.88	18.50
15	64QAM	1	0	ANT4	DSI4	17.84	17.87	17.93	18.50
15	64QAM	1	37	ANT4	DSI4	17.95	17.89	17.90	18.50
15	64QAM	1	74	ANT4	DSI4	17.84	17.84	17.97	18.50
15	64QAM	36	0	ANT4	DSI4	18.00	17.90	17.90	18.50
15	64QAM	36	19	ANT4	DSI4	17.95	17.80	17.87	18.50
15	64QAM	36	39	ANT4	DSI4	17.99	17.82	17.87	18.50
15	64QAM	75	0	ANT4	DSI4	17.94	17.93	17.83	18.50
15	256QAM	1	0	ANT4	DSI4	17.80	17.90	17.95	18.50
15	256QAM	1	37	ANT4	DSI4	17.90	17.92	17.82	18.50
15	256QAM	1	74	ANT4	DSI4	17.84	17.97	18.00	18.50
15	256QAM	36	0	ANT4	DSI4	17.99	17.89	17.95	18.50
15	256QAM	36	19	ANT4	DSI4	17.95	17.98	17.87	18.50
15	256QAM	36	39	ANT4	DSI4	18.00	17.82	17.90	18.50
15	256QAM	75	0	ANT4	DSI4	17.85	17.81	17.94	18.50

Band				LTE Band2(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18700	18900	19100	Tune-up power(dBm)
20	QPSK	1	0	ANT4	DSI4	17.95	17.95	17.89	18.50
20	QPSK	1	49	ANT4	DSI4	17.82	17.87	17.85	18.50
20	QPSK	1	99	ANT4	DSI4	17.96	17.96	17.85	18.50
20	QPSK	50	0	ANT4	DSI4	18.00	17.85	17.85	18.50
20	QPSK	50	25	ANT4	DSI4	17.93	17.96	17.87	18.50
20	QPSK	50	50	ANT4	DSI4	17.97	17.80	17.98	18.50
20	QPSK	100	0	ANT4	DSI4	17.90	17.84	17.98	18.50
20	16QAM	1	0	ANT4	DSI4	17.97	17.96	18.00	18.50
20	16QAM	1	49	ANT4	DSI4	17.93	17.90	17.99	18.50
20	16QAM	1	99	ANT4	DSI4	17.84	17.96	17.88	18.50
20	16QAM	50	0	ANT4	DSI4	17.89	17.91	18.00	18.50
20	16QAM	50	25	ANT4	DSI4	17.93	17.84	17.92	18.50
20	16QAM	50	50	ANT4	DSI4	17.97	17.90	17.94	18.50
20	16QAM	100	0	ANT4	DSI4	17.97	17.92	17.84	18.50
20	64QAM	1	0	ANT4	DSI4	17.91	17.81	17.91	18.50
20	64QAM	1	49	ANT4	DSI4	17.94	17.89	18.00	18.50
20	64QAM	1	99	ANT4	DSI4	17.91	17.95	17.85	18.50
20	64QAM	50	0	ANT4	DSI4	17.81	17.83	17.80	18.50
20	64QAM	50	25	ANT4	DSI4	17.89	17.87	17.88	18.50
20	64QAM	50	50	ANT4	DSI4	17.89	17.86	17.83	18.50
20	64QAM	100	0	ANT4	DSI4	17.95	17.87	18.00	18.50
20	256QAM	1	0	ANT4	DSI4	17.82	17.94	17.81	18.50
20	256QAM	1	49	ANT4	DSI4	17.96	17.81	17.82	18.50
20	256QAM	1	99	ANT4	DSI4	17.86	17.91	17.83	18.50
20	256QAM	50	0	ANT4	DSI4	17.87	17.92	17.92	18.50
20	256QAM	50	25	ANT4	DSI4	17.99	17.96	17.91	18.50
20	256QAM	50	50	ANT4	DSI4	17.97	17.85	17.85	18.50
20	256QAM	100	0	ANT4	DSI4	17.84	17.83	17.95	18.50

Band				LTE Band2(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18607	18900	19185	Tune-up power(dBm)
1.4	QPSK	1	0	ANT4	DSI5&6	15.96	15.96	15.94	16.50
1.4	QPSK	1	2	ANT4	DSI5&6	15.81	15.99	15.95	16.50
1.4	QPSK	1	5	ANT4	DSI5&6	15.87	15.80	15.86	16.50
1.4	QPSK	3	0	ANT4	DSI5&6	15.99	16.00	15.99	16.50
1.4	QPSK	3	1	ANT4	DSI5&6	15.91	15.93	15.85	16.50
1.4	QPSK	3	3	ANT4	DSI5&6	15.80	15.96	15.82	16.50
1.4	QPSK	6	0	ANT4	DSI5&6	15.92	15.99	15.91	16.50
1.4	16QAM	1	0	ANT4	DSI5&6	15.98	15.92	15.83	16.50
1.4	16QAM	1	2	ANT4	DSI5&6	15.95	15.91	15.86	16.50
1.4	16QAM	1	5	ANT4	DSI5&6	15.94	15.96	16.00	16.50
1.4	16QAM	3	0	ANT4	DSI5&6	15.98	15.93	15.96	16.50
1.4	16QAM	3	1	ANT4	DSI5&6	15.83	15.98	15.87	16.50
1.4	16QAM	3	3	ANT4	DSI5&6	15.84	15.90	15.81	16.50
1.4	16QAM	6	0	ANT4	DSI5&6	15.88	16.00	15.95	16.50
1.4	64QAM	1	0	ANT4	DSI5&6	15.96	15.92	15.83	16.50
1.4	64QAM	1	2	ANT4	DSI5&6	15.83	15.92	15.87	16.50
1.4	64QAM	1	5	ANT4	DSI5&6	15.96	15.94	15.90	16.50
1.4	64QAM	3	0	ANT4	DSI5&6	15.85	15.99	15.92	16.50
1.4	64QAM	3	1	ANT4	DSI5&6	15.84	15.98	15.84	16.50
1.4	64QAM	3	3	ANT4	DSI5&6	15.93	15.81	15.91	16.50
1.4	64QAM	6	0	ANT4	DSI5&6	15.99	15.86	15.93	16.50
1.4	256QAM	1	0	ANT4	DSI5&6	15.96	15.91	16.00	16.50
1.4	256QAM	1	2	ANT4	DSI5&6	15.89	15.90	15.98	16.50
1.4	256QAM	1	5	ANT4	DSI5&6	15.87	15.81	15.89	16.50
1.4	256QAM	3	0	ANT4	DSI5&6	15.89	15.85	15.81	16.50
1.4	256QAM	3	1	ANT4	DSI5&6	15.90	15.87	15.88	16.50
1.4	256QAM	3	3	ANT4	DSI5&6	15.89	15.97	15.92	16.50
1.4	256QAM	6	0	ANT4	DSI5&6	16.00	15.92	15.86	16.50

Band				LTE Band2(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18615	18900	19175	Tune-up power(dBm)
3	QPSK	1	0	ANT4	DSI5&6	15.97	15.93	15.99	16.50
3	QPSK	1	7	ANT4	DSI5&6	15.98	15.83	15.80	16.50
3	QPSK	1	14	ANT4	DSI5&6	16.00	15.93	15.80	16.50
3	QPSK	8	0	ANT4	DSI5&6	15.94	15.92	15.93	16.50
3	QPSK	8	3	ANT4	DSI5&6	15.83	15.98	15.88	16.50
3	QPSK	8	7	ANT4	DSI5&6	15.86	15.86	15.84	16.50
3	QPSK	15	0	ANT4	DSI5&6	15.98	15.99	16.00	16.50
3	16QAM	1	0	ANT4	DSI5&6	15.90	16.00	15.90	16.50
3	16QAM	1	7	ANT4	DSI5&6	15.82	15.85	15.94	16.50
3	16QAM	1	14	ANT4	DSI5&6	15.94	15.88	15.89	16.50
3	16QAM	8	0	ANT4	DSI5&6	15.93	15.89	15.83	16.50
3	16QAM	8	3	ANT4	DSI5&6	15.93	15.97	15.84	16.50
3	16QAM	8	7	ANT4	DSI5&6	15.94	15.86	15.80	16.50
3	16QAM	15	0	ANT4	DSI5&6	15.96	15.95	15.85	16.50
3	64QAM	1	0	ANT4	DSI5&6	15.92	15.96	15.91	16.50
3	64QAM	1	7	ANT4	DSI5&6	15.89	15.91	15.88	16.50
3	64QAM	1	14	ANT4	DSI5&6	15.98	15.95	15.95	16.50
3	64QAM	8	0	ANT4	DSI5&6	15.89	15.89	15.98	16.50
3	64QAM	8	3	ANT4	DSI5&6	15.83	15.80	15.99	16.50
3	64QAM	8	7	ANT4	DSI5&6	15.87	15.80	15.98	16.50
3	64QAM	15	0	ANT4	DSI5&6	15.85	15.83	15.99	16.50
3	256QAM	1	0	ANT4	DSI5&6	15.95	15.86	15.80	16.50
3	256QAM	1	7	ANT4	DSI5&6	15.97	15.99	15.95	16.50
3	256QAM	1	14	ANT4	DSI5&6	15.84	15.84	15.81	16.50
3	256QAM	8	0	ANT4	DSI5&6	15.87	16.00	15.83	16.50
3	256QAM	8	3	ANT4	DSI5&6	15.98	15.98	15.88	16.50
3	256QAM	8	7	ANT4	DSI5&6	15.83	15.96	15.94	16.50
3	256QAM	15	0	ANT4	DSI5&6	15.96	15.94	15.95	16.50

Band				LTE Band2(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18625	18900	19175	Tune-up power(dBm)
5	QPSK	1	0	ANT4	DSI5&6	15.81	15.83	15.89	16.50
5	QPSK	1	12	ANT4	DSI5&6	15.85	15.86	15.80	16.50
5	QPSK	1	24	ANT4	DSI5&6	15.98	15.81	15.93	16.50
5	QPSK	12	0	ANT4	DSI5&6	15.98	15.80	15.94	16.50
5	QPSK	12	6	ANT4	DSI5&6	15.86	15.96	15.81	16.50
5	QPSK	12	13	ANT4	DSI5&6	15.88	15.86	15.87	16.50
5	QPSK	25	0	ANT4	DSI5&6	15.82	15.83	15.83	16.50
5	16QAM	1	0	ANT4	DSI5&6	15.90	15.87	15.81	16.50
5	16QAM	1	12	ANT4	DSI5&6	15.92	16.00	15.93	16.50
5	16QAM	1	24	ANT4	DSI5&6	15.98	15.81	15.98	16.50
5	16QAM	12	0	ANT4	DSI5&6	15.91	15.84	15.89	16.50
5	16QAM	12	6	ANT4	DSI5&6	15.81	15.98	15.81	16.50
5	16QAM	12	13	ANT4	DSI5&6	15.84	15.83	15.93	16.50
5	16QAM	25	0	ANT4	DSI5&6	15.95	15.89	15.83	16.50
5	64QAM	1	0	ANT4	DSI5&6	15.85	15.84	16.00	16.50
5	64QAM	1	12	ANT4	DSI5&6	15.84	15.93	15.95	16.50
5	64QAM	1	24	ANT4	DSI5&6	15.99	15.82	15.97	16.50
5	64QAM	12	0	ANT4	DSI5&6	15.97	15.87	15.81	16.50
5	64QAM	12	6	ANT4	DSI5&6	15.89	15.86	15.90	16.50
5	64QAM	12	13	ANT4	DSI5&6	15.91	15.85	15.93	16.50
5	64QAM	25	0	ANT4	DSI5&6	15.83	15.92	15.82	16.50
5	256QAM	1	0	ANT4	DSI5&6	15.96	15.81	15.96	16.50
5	256QAM	1	12	ANT4	DSI5&6	15.82	15.92	15.82	16.50
5	256QAM	1	24	ANT4	DSI5&6	15.98	15.93	15.88	16.50
5	256QAM	12	0	ANT4	DSI5&6	15.89	15.92	15.98	16.50
5	256QAM	12	6	ANT4	DSI5&6	15.87	15.80	16.00	16.50
5	256QAM	12	13	ANT4	DSI5&6	15.92	15.93	15.96	16.50
5	256QAM	25	0	ANT4	DSI5&6	15.99	15.96	15.87	16.50

Band				LTE Band2(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18650	18900	19150	Tune-up power(dBm)
10	QPSK	1	0	ANT4	DSI5&6	15.92	15.80	15.87	16.50
10	QPSK	1	24	ANT4	DSI5&6	15.81	15.91	15.96	16.50
10	QPSK	1	49	ANT4	DSI5&6	15.90	15.98	15.85	16.50
10	QPSK	25	0	ANT4	DSI5&6	15.97	15.98	15.80	16.50
10	QPSK	25	12	ANT4	DSI5&6	15.95	15.86	15.93	16.50
10	QPSK	25	25	ANT4	DSI5&6	15.86	15.81	15.93	16.50
10	QPSK	50	0	ANT4	DSI5&6	15.85	15.89	15.93	16.50
10	16QAM	1	0	ANT4	DSI5&6	16.00	15.90	15.96	16.50
10	16QAM	1	24	ANT4	DSI5&6	15.94	15.94	15.91	16.50
10	16QAM	1	49	ANT4	DSI5&6	15.81	15.85	15.95	16.50
10	16QAM	25	0	ANT4	DSI5&6	15.80	15.84	15.91	16.50
10	16QAM	25	12	ANT4	DSI5&6	15.91	15.95	15.82	16.50
10	16QAM	25	25	ANT4	DSI5&6	15.91	15.98	15.99	16.50
10	16QAM	50	0	ANT4	DSI5&6	15.85	15.80	15.90	16.50
10	64QAM	1	0	ANT4	DSI5&6	15.86	15.88	15.98	16.50
10	64QAM	1	24	ANT4	DSI5&6	15.91	15.96	15.89	16.50
10	64QAM	1	49	ANT4	DSI5&6	15.92	15.91	15.92	16.50
10	64QAM	25	0	ANT4	DSI5&6	15.87	15.94	15.88	16.50
10	64QAM	25	12	ANT4	DSI5&6	15.82	15.91	15.89	16.50
10	64QAM	25	25	ANT4	DSI5&6	15.88	15.92	15.95	16.50
10	64QAM	50	0	ANT4	DSI5&6	16.00	15.83	15.93	16.50
10	256QAM	1	0	ANT4	DSI5&6	15.85	15.83	15.90	16.50
10	256QAM	1	24	ANT4	DSI5&6	15.91	15.84	15.91	16.50
10	256QAM	1	49	ANT4	DSI5&6	15.95	15.97	15.96	16.50
10	256QAM	25	0	ANT4	DSI5&6	15.99	15.80	15.83	16.50
10	256QAM	25	12	ANT4	DSI5&6	15.84	15.94	15.98	16.50
10	256QAM	25	25	ANT4	DSI5&6	15.80	15.99	15.82	16.50
10	256QAM	50	0	ANT4	DSI5&6	15.89	15.84	15.89	16.50

Band				LTE Band2(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18675	18900	19125	Tune-up power(dBm)
15	QPSK	1	0	ANT4	DSI5&6	15.84	15.83	15.85	16.50
15	QPSK	1	37	ANT4	DSI5&6	15.89	15.91	15.90	16.50
15	QPSK	1	74	ANT4	DSI5&6	15.89	15.85	15.87	16.50
15	QPSK	36	0	ANT4	DSI5&6	15.86	15.82	15.83	16.50
15	QPSK	36	19	ANT4	DSI5&6	15.80	15.82	15.93	16.50
15	QPSK	36	39	ANT4	DSI5&6	15.93	15.99	15.96	16.50
15	QPSK	75	0	ANT4	DSI5&6	15.88	15.98	15.93	16.50
15	16QAM	1	0	ANT4	DSI5&6	15.97	15.84	15.96	16.50
15	16QAM	1	37	ANT4	DSI5&6	15.91	15.85	15.91	16.50
15	16QAM	1	74	ANT4	DSI5&6	15.86	16.00	15.85	16.50
15	16QAM	36	0	ANT4	DSI5&6	15.97	15.93	15.94	16.50
15	16QAM	36	19	ANT4	DSI5&6	15.81	15.87	15.82	16.50
15	16QAM	36	39	ANT4	DSI5&6	15.94	15.87	15.88	16.50
15	16QAM	75	0	ANT4	DSI5&6	15.85	15.84	15.90	16.50
15	64QAM	1	0	ANT4	DSI5&6	15.88	15.84	16.00	16.50
15	64QAM	1	37	ANT4	DSI5&6	15.87	15.90	15.94	16.50
15	64QAM	1	74	ANT4	DSI5&6	15.84	15.93	15.80	16.50
15	64QAM	36	0	ANT4	DSI5&6	15.85	15.95	15.96	16.50
15	64QAM	36	19	ANT4	DSI5&6	15.88	15.90	15.97	16.50
15	64QAM	36	39	ANT4	DSI5&6	15.98	15.97	15.80	16.50
15	64QAM	75	0	ANT4	DSI5&6	15.88	15.94	15.98	16.50
15	256QAM	1	0	ANT4	DSI5&6	15.80	15.83	15.82	16.50
15	256QAM	1	37	ANT4	DSI5&6	15.89	15.86	15.94	16.50
15	256QAM	1	74	ANT4	DSI5&6	15.81	15.86	15.84	16.50
15	256QAM	36	0	ANT4	DSI5&6	15.89	15.85	15.85	16.50
15	256QAM	36	19	ANT4	DSI5&6	15.91	15.87	15.96	16.50
15	256QAM	36	39	ANT4	DSI5&6	15.96	15.92	16.00	16.50
15	256QAM	75	0	ANT4	DSI5&6	15.83	15.96	15.86	16.50

Band				LTE Band2(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	18700	18900	19100	Tune-up power(dBm)
20	QPSK	1	0	ANT4	DSI5&6	15.92	15.81	15.91	16.50
20	QPSK	1	49	ANT4	DSI5&6	15.92	16.00	15.85	16.50
20	QPSK	1	99	ANT4	DSI5&6	15.85	16.00	16.00	16.50
20	QPSK	50	0	ANT4	DSI5&6	15.83	15.81	15.94	16.50
20	QPSK	50	25	ANT4	DSI5&6	15.97	15.91	15.88	16.50
20	QPSK	50	50	ANT4	DSI5&6	15.92	15.97	15.83	16.50
20	QPSK	100	0	ANT4	DSI5&6	15.95	15.91	15.99	16.50
20	16QAM	1	0	ANT4	DSI5&6	15.90	15.86	15.92	16.50
20	16QAM	1	49	ANT4	DSI5&6	15.99	15.89	15.87	16.50
20	16QAM	1	99	ANT4	DSI5&6	15.93	15.86	15.80	16.50
20	16QAM	50	0	ANT4	DSI5&6	15.88	15.83	15.89	16.50
20	16QAM	50	25	ANT4	DSI5&6	15.84	15.80	15.95	16.50
20	16QAM	50	50	ANT4	DSI5&6	15.88	15.93	15.98	16.50
20	16QAM	100	0	ANT4	DSI5&6	15.92	15.81	15.96	16.50
20	64QAM	1	0	ANT4	DSI5&6	15.84	15.96	15.91	16.50
20	64QAM	1	49	ANT4	DSI5&6	15.98	15.86	15.95	16.50
20	64QAM	1	99	ANT4	DSI5&6	15.90	15.86	15.90	16.50
20	64QAM	50	0	ANT4	DSI5&6	15.99	15.85	15.94	16.50
20	64QAM	50	25	ANT4	DSI5&6	15.90	15.98	15.95	16.50
20	64QAM	50	50	ANT4	DSI5&6	15.93	15.97	15.91	16.50
20	64QAM	100	0	ANT4	DSI5&6	15.83	15.95	15.98	16.50
20	256QAM	1	0	ANT4	DSI5&6	15.83	15.89	15.94	16.50
20	256QAM	1	49	ANT4	DSI5&6	15.92	15.81	15.97	16.50
20	256QAM	1	99	ANT4	DSI5&6	15.86	15.98	15.82	16.50
20	256QAM	50	0	ANT4	DSI5&6	15.85	15.87	15.89	16.50
20	256QAM	50	25	ANT4	DSI5&6	15.81	15.95	15.92	16.50
20	256QAM	50	50	ANT4	DSI5&6	15.94	15.94	15.91	16.50
20	256QAM	100	0	ANT4	DSI5&6	15.97	15.87	15.80	16.50

Band				LTE Band5 (ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	20407	20525	20643	Tune-up power(dBm)
1.4	QPSK	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	24.13	24.03	24.16	25.00
1.4	QPSK	1	2	ANT0	Full Power&DSI1&2&3&4&5&6	24.24	24.21	24.24	25.00
1.4	QPSK	1	5	ANT0	Full Power&DSI1&2&3&4&5&6	24.24	24.04	24.30	25.00
1.4	QPSK	3	0	ANT0	Full Power&DSI1&2&3&4&5&6	24.11	24.12	24.19	25.00
1.4	QPSK	3	1	ANT0	Full Power&DSI1&2&3&4&5&6	24.24	24.21	24.31	25.00
1.4	QPSK	3	3	ANT0	Full Power&DSI1&2&3&4&5&6	24.27	24.18	24.22	25.00
1.4	QPSK	6	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.19	23.16	22.98	24.00
1.4	16QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.40	23.54	23.42	24.00
1.4	16QAM	1	2	ANT0	Full Power&DSI1&2&3&4&5&6	23.34	23.48	23.53	24.00
1.4	16QAM	1	5	ANT0	Full Power&DSI1&2&3&4&5&6	23.50	23.62	23.29	24.00
1.4	16QAM	3	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.30	23.28	23.05	24.00
1.4	16QAM	3	1	ANT0	Full Power&DSI1&2&3&4&5&6	23.29	23.16	23.03	24.00
1.4	16QAM	3	3	ANT0	Full Power&DSI1&2&3&4&5&6	23.33	23.07	23.17	24.00
1.4	16QAM	6	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.15	22.23	22.28	23.00
1.4	64QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.29	22.34	22.39	23.00
1.4	64QAM	1	2	ANT0	Full Power&DSI1&2&3&4&5&6	22.22	22.50	22.77	23.00
1.4	64QAM	1	5	ANT0	Full Power&DSI1&2&3&4&5&6	22.30	22.44	22.55	23.00
1.4	64QAM	3	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.28	22.23	22.12	23.00
1.4	64QAM	3	1	ANT0	Full Power&DSI1&2&3&4&5&6	22.19	22.06	22.20	23.00
1.4	64QAM	3	3	ANT0	Full Power&DSI1&2&3&4&5&6	22.11	22.35	22.33	23.00
1.4	64QAM	6	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.33	21.12	21.08	22.00
1.4	256QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.42	19.41	19.43	20.00
1.4	256QAM	1	2	ANT0	Full Power&DSI1&2&3&4&5&6	19.02	19.51	19.52	20.00
1.4	256QAM	1	5	ANT0	Full Power&DSI1&2&3&4&5&6	19.51	19.14	19.43	20.00
1.4	256QAM	3	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.27	19.30	19.15	20.00
1.4	256QAM	3	1	ANT0	Full Power&DSI1&2&3&4&5&6	19.18	19.24	19.23	20.00
1.4	256QAM	3	3	ANT0	Full Power&DSI1&2&3&4&5&6	19.00	19.30	19.28	20.00
1.4	256QAM	6	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.51	19.16	19.14	20.00

Band				LTE Band5 (ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	20415	20525	20635	Tune-up power(dBm)
3	QPSK	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	24.21	24.25	24.22	25.00
3	QPSK	1	7	ANT0	Full Power&DSI1&2&3&4&5&6	24.24	24.23	24.29	25.00
3	QPSK	1	14	ANT0	Full Power&DSI1&2&3&4&5&6	24.27	24.17	24.19	25.00
3	QPSK	8	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.14	23.16	23.21	24.00
3	QPSK	8	3	ANT0	Full Power&DSI1&2&3&4&5&6	23.16	23.24	23.14	24.00
3	QPSK	8	7	ANT0	Full Power&DSI1&2&3&4&5&6	23.13	23.28	23.25	24.00
3	QPSK	15	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.17	23.21	23.12	24.00
3	16QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.21	23.48	23.59	24.00
3	16QAM	1	7	ANT0	Full Power&DSI1&2&3&4&5&6	23.33	23.57	23.46	24.00
3	16QAM	1	14	ANT0	Full Power&DSI1&2&3&4&5&6	23.33	23.44	23.36	24.00
3	16QAM	8	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.10	22.13	22.12	23.00
3	16QAM	8	3	ANT0	Full Power&DSI1&2&3&4&5&6	22.20	22.13	22.18	23.00
3	16QAM	8	7	ANT0	Full Power&DSI1&2&3&4&5&6	22.28	22.22	22.26	23.00
3	16QAM	15	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.20	22.22	22.14	23.00
3	64QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.34	22.35	22.54	23.00
3	64QAM	1	7	ANT0	Full Power&DSI1&2&3&4&5&6	22.18	22.48	22.69	23.00
3	64QAM	1	14	ANT0	Full Power&DSI1&2&3&4&5&6	22.30	22.36	22.56	23.00
3	64QAM	8	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.16	21.25	21.18	22.00
3	64QAM	8	3	ANT0	Full Power&DSI1&2&3&4&5&6	21.10	21.15	21.20	22.00
3	64QAM	8	7	ANT0	Full Power&DSI1&2&3&4&5&6	21.05	21.30	21.40	22.00
3	64QAM	15	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.29	21.13	21.26	22.00
3	256QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.32	19.44	19.46	20.00
3	256QAM	1	7	ANT0	Full Power&DSI1&2&3&4&5&6	19.06	19.35	19.66	20.00
3	256QAM	1	14	ANT0	Full Power&DSI1&2&3&4&5&6	19.35	19.34	19.40	20.00
3	256QAM	8	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.31	19.14	19.21	20.00
3	256QAM	8	3	ANT0	Full Power&DSI1&2&3&4&5&6	19.29	19.22	19.24	20.00
3	256QAM	8	7	ANT0	Full Power&DSI1&2&3&4&5&6	19.22	19.41	19.32	20.00
3	256QAM	15	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.42	19.12	19.17	20.00

Band				LTE Band5 (ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	20425	20525	20625	Tune-up power(dBm)
5	QPSK	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	24.23	24.24	24.20	25.00
5	QPSK	1	12	ANT0	Full Power&DSI1&2&3&4&5&6	24.27	24.24	24.28	25.00
5	QPSK	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	24.28	24.25	24.15	25.00
5	QPSK	12	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.09	23.19	23.24	24.00
5	QPSK	12	6	ANT0	Full Power&DSI1&2&3&4&5&6	23.25	23.24	23.22	24.00
5	QPSK	12	13	ANT0	Full Power&DSI1&2&3&4&5&6	23.10	23.28	23.18	24.00
5	QPSK	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.11	23.25	23.06	24.00
5	16QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.22	23.43	23.53	24.00
5	16QAM	1	12	ANT0	Full Power&DSI1&2&3&4&5&6	23.37	23.57	23.44	24.00
5	16QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	23.41	23.41	23.32	24.00
5	16QAM	12	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.15	22.13	22.13	23.00
5	16QAM	12	6	ANT0	Full Power&DSI1&2&3&4&5&6	22.27	22.18	22.21	23.00
5	16QAM	12	13	ANT0	Full Power&DSI1&2&3&4&5&6	22.24	22.25	22.21	23.00
5	16QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.22	22.23	22.15	23.00
5	64QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.28	22.43	22.52	23.00
5	64QAM	1	12	ANT0	Full Power&DSI1&2&3&4&5&6	22.22	22.48	22.69	23.00
5	64QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	22.29	22.41	22.62	23.00
5	64QAM	12	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.18	21.21	21.25	22.00
5	64QAM	12	6	ANT0	Full Power&DSI1&2&3&4&5&6	21.09	21.22	21.25	22.00
5	64QAM	12	13	ANT0	Full Power&DSI1&2&3&4&5&6	21.14	21.30	21.36	22.00
5	64QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.37	21.15	21.26	22.00
5	256QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.39	19.46	19.48	20.00
5	256QAM	1	12	ANT0	Full Power&DSI1&2&3&4&5&6	19.10	19.35	19.62	20.00
5	256QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	19.35	19.31	19.44	20.00
5	256QAM	12	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.34	19.21	19.12	20.00
5	256QAM	12	6	ANT0	Full Power&DSI1&2&3&4&5&6	19.27	19.22	19.18	20.00
5	256QAM	12	13	ANT0	Full Power&DSI1&2&3&4&5&6	19.14	19.43	19.27	20.00
5	256QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.35	19.17	19.09	20.00

Band				LTE Band5 (ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	20450	20525	20600	Tune-up power(dBm)
10	QPSK	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	24.24	24.21	24.21	25.00
10	QPSK	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	24.25	24.28	24.32	25.00
10	QPSK	1	49	ANT0	Full Power&DSI1&2&3&4&5&6	24.23	24.20	24.18	25.00
10	QPSK	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.09	23.20	23.20	24.00
10	QPSK	25	12	ANT0	Full Power&DSI1&2&3&4&5&6	23.21	23.20	23.18	24.00
10	QPSK	25	25	ANT0	Full Power&DSI1&2&3&4&5&6	23.11	23.24	23.20	24.00
10	QPSK	50	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.15	23.21	23.09	24.00
10	16QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.25	23.46	23.54	24.00
10	16QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	23.35	23.52	23.48	24.00
10	16QAM	1	49	ANT0	Full Power&DSI1&2&3&4&5&6	23.37	23.44	23.37	24.00
10	16QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.14	22.17	22.13	23.00
10	16QAM	25	12	ANT0	Full Power&DSI1&2&3&4&5&6	22.22	22.15	22.23	23.00
10	16QAM	25	25	ANT0	Full Power&DSI1&2&3&4&5&6	22.25	22.22	22.25	23.00
10	16QAM	50	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.23	22.21	22.19	23.00
10	64QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.32	22.39	22.49	23.00
10	64QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	22.22	22.43	22.67	23.00
10	64QAM	1	49	ANT0	Full Power&DSI1&2&3&4&5&6	22.34	22.36	22.59	23.00
10	64QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.17	21.20	21.22	22.00
10	64QAM	25	12	ANT0	Full Power&DSI1&2&3&4&5&6	21.11	21.19	21.24	22.00
10	64QAM	25	25	ANT0	Full Power&DSI1&2&3&4&5&6	21.10	21.30	21.40	22.00
10	64QAM	50	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.32	21.15	21.24	22.00
10	256QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.36	19.41	19.49	20.00
10	256QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	19.07	19.36	19.64	20.00
10	256QAM	1	49	ANT0	Full Power&DSI1&2&3&4&5&6	19.34	19.31	19.39	20.00
10	256QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.32	19.16	19.17	20.00
10	256QAM	25	12	ANT0	Full Power&DSI1&2&3&4&5&6	19.27	19.18	19.21	20.00
10	256QAM	25	25	ANT0	Full Power&DSI1&2&3&4&5&6	19.18	19.39	19.32	20.00
10	256QAM	50	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.38	19.15	19.14	20.00

Band				LTE Band12 (ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	23017	23095	23173	Tune-up power(dBm)
1.4	QPSK	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	24.38	24.44	24.32	25.00
1.4	QPSK	1	2	ANT0	Full Power&DSI1&2&3&4&5&6	24.34	24.29	24.48	25.00
1.4	QPSK	1	5	ANT0	Full Power&DSI1&2&3&4&5&6	24.38	24.32	24.27	25.00
1.4	QPSK	3	0	ANT0	Full Power&DSI1&2&3&4&5&6	24.24	24.23	24.34	25.00
1.4	QPSK	3	1	ANT0	Full Power&DSI1&2&3&4&5&6	24.43	24.41	24.37	25.00
1.4	QPSK	3	3	ANT0	Full Power&DSI1&2&3&4&5&6	24.42	24.42	24.31	25.00
1.4	QPSK	6	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.22	23.44	23.31	24.00
1.4	16QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.72	23.65	23.52	24.00
1.4	16QAM	1	2	ANT0	Full Power&DSI1&2&3&4&5&6	23.70	23.74	23.34	24.00
1.4	16QAM	1	5	ANT0	Full Power&DSI1&2&3&4&5&6	23.50	23.56	23.48	24.00
1.4	16QAM	3	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.37	23.22	23.43	24.00
1.4	16QAM	3	1	ANT0	Full Power&DSI1&2&3&4&5&6	23.30	23.44	23.27	24.00
1.4	16QAM	3	3	ANT0	Full Power&DSI1&2&3&4&5&6	23.22	23.50	23.47	24.00
1.4	16QAM	6	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.38	22.44	22.22	23.00
1.4	64QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.75	22.79	22.73	23.00
1.4	64QAM	1	2	ANT0	Full Power&DSI1&2&3&4&5&6	22.35	22.88	22.41	23.00
1.4	64QAM	1	5	ANT0	Full Power&DSI1&2&3&4&5&6	22.55	22.58	22.37	23.00
1.4	64QAM	3	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.28	22.25	22.19	23.00
1.4	64QAM	3	1	ANT0	Full Power&DSI1&2&3&4&5&6	22.48	22.26	22.60	23.00
1.4	64QAM	3	3	ANT0	Full Power&DSI1&2&3&4&5&6	22.18	22.35	22.25	23.00
1.4	64QAM	6	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.31	21.37	21.20	22.00
1.4	256QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.60	19.74	19.35	20.00
1.4	256QAM	1	2	ANT0	Full Power&DSI1&2&3&4&5&6	19.65	19.82	19.55	20.00
1.4	256QAM	1	5	ANT0	Full Power&DSI1&2&3&4&5&6	19.62	19.58	19.73	20.00
1.4	256QAM	3	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.47	19.19	19.27	20.00
1.4	256QAM	3	1	ANT0	Full Power&DSI1&2&3&4&5&6	19.30	19.12	19.42	20.00
1.4	256QAM	3	3	ANT0	Full Power&DSI1&2&3&4&5&6	19.31	19.35	19.43	20.00
1.4	256QAM	6	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.29	19.48	19.29	20.00

Band				LTE Band12 (ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	23025	23095	23165	Tune-up power(dBm)
3	QPSK	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	24.28	24.25	24.45	25.00
3	QPSK	1	7	ANT0	Full Power&DSI1&2&3&4&5&6	24.35	24.40	24.52	25.00
3	QPSK	1	14	ANT0	Full Power&DSI1&2&3&4&5&6	24.18	24.16	24.33	25.00
3	QPSK	8	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.23	23.39	23.13	24.00
3	QPSK	8	3	ANT0	Full Power&DSI1&2&3&4&5&6	23.39	23.44	23.47	24.00
3	QPSK	8	7	ANT0	Full Power&DSI1&2&3&4&5&6	23.42	23.31	23.35	24.00
3	QPSK	15	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.43	23.40	23.39	24.00
3	16QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.51	23.64	23.70	24.00
3	16QAM	1	7	ANT0	Full Power&DSI1&2&3&4&5&6	23.53	23.74	23.57	24.00
3	16QAM	1	14	ANT0	Full Power&DSI1&2&3&4&5&6	23.68	23.66	23.61	24.00
3	16QAM	8	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.29	22.22	22.44	23.00
3	16QAM	8	3	ANT0	Full Power&DSI1&2&3&4&5&6	22.45	22.19	22.32	23.00
3	16QAM	8	7	ANT0	Full Power&DSI1&2&3&4&5&6	22.32	22.35	22.44	23.00
3	16QAM	15	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.21	22.20	22.39	23.00
3	64QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.75	22.67	22.63	23.00
3	64QAM	1	7	ANT0	Full Power&DSI1&2&3&4&5&6	22.53	22.81	22.31	23.00
3	64QAM	1	14	ANT0	Full Power&DSI1&2&3&4&5&6	22.54	22.72	22.43	23.00
3	64QAM	8	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.23	21.25	21.07	22.00
3	64QAM	8	3	ANT0	Full Power&DSI1&2&3&4&5&6	21.25	21.28	21.44	22.00
3	64QAM	8	7	ANT0	Full Power&DSI1&2&3&4&5&6	21.43	21.23	21.44	22.00
3	64QAM	15	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.07	21.33	21.23	22.00
3	256QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.60	19.61	19.48	20.00
3	256QAM	1	7	ANT0	Full Power&DSI1&2&3&4&5&6	19.34	19.96	19.51	20.00
3	256QAM	1	14	ANT0	Full Power&DSI1&2&3&4&5&6	19.68	19.43	19.75	20.00
3	256QAM	8	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.42	19.19	19.19	20.00
3	256QAM	8	3	ANT0	Full Power&DSI1&2&3&4&5&6	19.25	19.25	19.45	20.00
3	256QAM	8	7	ANT0	Full Power&DSI1&2&3&4&5&6	19.25	19.29	19.17	20.00
3	256QAM	15	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.31	19.34	19.24	20.00

Band				LTE Band12 (ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	23035	23095	23155	Tune-up power(dBm)
5	QPSK	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	24.36	24.21	24.45	25.00
5	QPSK	1	12	ANT0	Full Power&DSI1&2&3&4&5&6	24.50	24.40	24.51	25.00
5	QPSK	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	24.32	24.36	24.32	25.00
5	QPSK	12	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.10	23.41	23.33	24.00
5	QPSK	12	6	ANT0	Full Power&DSI1&2&3&4&5&6	23.28	23.18	23.27	24.00
5	QPSK	12	13	ANT0	Full Power&DSI1&2&3&4&5&6	23.23	23.47	23.41	24.00
5	QPSK	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.33	23.33	23.38	24.00
5	16QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.55	23.60	23.67	24.00
5	16QAM	1	12	ANT0	Full Power&DSI1&2&3&4&5&6	23.53	23.59	23.53	24.00
5	16QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	23.52	23.61	23.52	24.00
5	16QAM	12	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.38	22.28	22.14	23.00
5	16QAM	12	6	ANT0	Full Power&DSI1&2&3&4&5&6	22.47	22.39	22.48	23.00
5	16QAM	12	13	ANT0	Full Power&DSI1&2&3&4&5&6	22.46	22.23	22.28	23.00
5	16QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.21	22.40	22.37	23.00
5	64QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.75	22.80	22.66	23.00
5	64QAM	1	12	ANT0	Full Power&DSI1&2&3&4&5&6	22.53	22.88	22.37	23.00
5	64QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	22.48	22.56	22.56	23.00
5	64QAM	12	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.22	21.09	21.34	22.00
5	64QAM	12	6	ANT0	Full Power&DSI1&2&3&4&5&6	21.21	21.32	21.45	22.00
5	64QAM	12	13	ANT0	Full Power&DSI1&2&3&4&5&6	21.46	21.38	21.29	22.00
5	64QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.10	21.32	21.18	22.00
5	256QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.69	19.69	19.44	20.00
5	256QAM	1	12	ANT0	Full Power&DSI1&2&3&4&5&6	19.54	19.83	19.35	20.00
5	256QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	19.62	19.39	19.72	20.00
5	256QAM	12	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.34	19.09	19.22	20.00
5	256QAM	12	6	ANT0	Full Power&DSI1&2&3&4&5&6	19.26	19.30	19.57	20.00
5	256QAM	12	13	ANT0	Full Power&DSI1&2&3&4&5&6	19.19	19.29	19.25	20.00
5	256QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.21	19.25	19.05	20.00

Band				LTE Band12 (ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	23060	23095	23130	Tune-up power(dBm)
10	QPSK	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	24.31	24.36	24.42	25.00
10	QPSK	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	24.36	24.37	24.37	25.00
10	QPSK	1	49	ANT0	Full Power&DSI1&2&3&4&5&6	24.24	24.36	24.31	25.00
10	QPSK	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.23	23.25	23.31	24.00
10	QPSK	25	12	ANT0	Full Power&DSI1&2&3&4&5&6	23.34	23.25	23.29	24.00
10	QPSK	25	25	ANT0	Full Power&DSI1&2&3&4&5&6	23.41	23.40	23.31	24.00
10	QPSK	50	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.32	23.32	23.38	24.00
10	16QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.61	23.61	23.59	24.00
10	16QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	23.59	23.68	23.52	24.00
10	16QAM	1	49	ANT0	Full Power&DSI1&2&3&4&5&6	23.61	23.61	23.45	24.00
10	16QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.27	22.27	22.25	23.00
10	16QAM	25	12	ANT0	Full Power&DSI1&2&3&4&5&6	22.37	22.32	22.32	23.00
10	16QAM	25	25	ANT0	Full Power&DSI1&2&3&4&5&6	22.34	22.32	22.34	23.00
10	16QAM	50	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.38	22.24	22.35	23.00
10	64QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.69	22.68	22.61	23.00
10	64QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	22.44	22.76	22.37	23.00
10	64QAM	1	49	ANT0	Full Power&DSI1&2&3&4&5&6	22.58	22.58	22.48	23.00
10	64QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.26	21.20	21.21	22.00
10	64QAM	25	12	ANT0	Full Power&DSI1&2&3&4&5&6	21.39	21.37	21.43	22.00
10	64QAM	25	25	ANT0	Full Power&DSI1&2&3&4&5&6	21.35	21.30	21.31	22.00
10	64QAM	50	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.19	21.28	21.24	22.00
10	256QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.56	19.77	19.42	20.00
10	256QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	19.43	19.88	19.41	20.00
10	256QAM	1	49	ANT0	Full Power&DSI1&2&3&4&5&6	19.59	19.54	19.64	20.00
10	256QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.34	19.16	19.18	20.00
10	256QAM	25	12	ANT0	Full Power&DSI1&2&3&4&5&6	19.35	19.27	19.44	20.00
10	256QAM	25	25	ANT0	Full Power&DSI1&2&3&4&5&6	19.25	19.31	19.30	20.00
10	256QAM	50	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.25	19.37	19.23	20.00

Band				LTE Band14 (ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	23305	23330	23355	Tune-up power(dBm)
5	QPSK	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	24.10	24.18	24.19	25.00
5	QPSK	1	12	ANT0	Full Power&DSI1&2&3&4&5&6	24.24	24.17	24.10	25.00
5	QPSK	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	24.16	24.14	24.21	25.00
5	QPSK	12	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.19	23.16	23.22	24.00
5	QPSK	12	6	ANT0	Full Power&DSI1&2&3&4&5&6	23.13	23.21	23.17	24.00
5	QPSK	12	13	ANT0	Full Power&DSI1&2&3&4&5&6	23.22	23.23	23.20	24.00
5	QPSK	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.22	23.22	23.27	24.00
5	16QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	23.19	23.13	23.17	24.00
5	16QAM	1	12	ANT0	Full Power&DSI1&2&3&4&5&6	23.20	23.23	23.19	24.00
5	16QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	23.21	23.23	23.20	24.00
5	16QAM	12	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.22	22.20	22.20	23.00
5	16QAM	12	6	ANT0	Full Power&DSI1&2&3&4&5&6	22.10	22.29	22.16	23.00
5	16QAM	12	13	ANT0	Full Power&DSI1&2&3&4&5&6	22.15	22.18	22.16	23.00
5	16QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.20	22.25	22.16	23.00
5	64QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	22.23	22.16	22.26	23.00
5	64QAM	1	12	ANT0	Full Power&DSI1&2&3&4&5&6	22.13	22.17	22.16	23.00
5	64QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	22.20	22.14	22.21	23.00
5	64QAM	12	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.18	21.18	21.20	22.00
5	64QAM	12	6	ANT0	Full Power&DSI1&2&3&4&5&6	21.24	21.19	21.16	22.00
5	64QAM	12	13	ANT0	Full Power&DSI1&2&3&4&5&6	21.20	21.23	21.18	22.00
5	64QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	21.21	21.22	21.24	22.00
5	256QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.23	19.16	19.26	20.00
5	256QAM	1	12	ANT0	Full Power&DSI1&2&3&4&5&6	19.27	19.23	19.19	20.00
5	256QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	19.22	19.25	19.19	20.00
5	256QAM	12	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.25	19.23	19.21	20.00
5	256QAM	12	6	ANT0	Full Power&DSI1&2&3&4&5&6	19.19	19.19	19.22	20.00
5	256QAM	12	13	ANT0	Full Power&DSI1&2&3&4&5&6	19.24	19.14	19.25	20.00
5	256QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	19.14	19.27	19.19	20.00

Band				LTE Band14 (ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	/	23330	/	Tune-up power(dBm)
10	QPSK	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	/	24.13	/	25.00
10	QPSK	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	/	24.19	/	25.00
10	QPSK	1	49	ANT0	Full Power&DSI1&2&3&4&5&6	/	24.16	/	25.00
10	QPSK	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	/	23.17	/	24.00
10	QPSK	25	12	ANT0	Full Power&DSI1&2&3&4&5&6	/	23.21	/	24.00
10	QPSK	25	25	ANT0	Full Power&DSI1&2&3&4&5&6	/	23.28	/	24.00
10	QPSK	50	0	ANT0	Full Power&DSI1&2&3&4&5&6	/	23.27	/	24.00
10	16QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	/	23.22	/	24.00
10	16QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	/	23.25	/	24.00
10	16QAM	1	49	ANT0	Full Power&DSI1&2&3&4&5&6	/	23.19	/	24.00
10	16QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	/	22.21	/	23.00
10	16QAM	25	12	ANT0	Full Power&DSI1&2&3&4&5&6	/	22.27	/	23.00
10	16QAM	25	25	ANT0	Full Power&DSI1&2&3&4&5&6	/	22.25	/	23.00
10	16QAM	50	0	ANT0	Full Power&DSI1&2&3&4&5&6	/	22.15	/	23.00
10	64QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	/	22.18	/	23.00
10	64QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	/	22.22	/	23.00
10	64QAM	1	49	ANT0	Full Power&DSI1&2&3&4&5&6	/	22.18	/	23.00
10	64QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	/	21.21	/	22.00
10	64QAM	25	12	ANT0	Full Power&DSI1&2&3&4&5&6	/	21.19	/	22.00
10	64QAM	25	25	ANT0	Full Power&DSI1&2&3&4&5&6	/	21.21	/	22.00
10	64QAM	50	0	ANT0	Full Power&DSI1&2&3&4&5&6	/	21.27	/	22.00
10	256QAM	1	0	ANT0	Full Power&DSI1&2&3&4&5&6	/	19.12	/	20.00
10	256QAM	1	24	ANT0	Full Power&DSI1&2&3&4&5&6	/	19.15	/	20.00
10	256QAM	1	49	ANT0	Full Power&DSI1&2&3&4&5&6	/	19.21	/	20.00
10	256QAM	25	0	ANT0	Full Power&DSI1&2&3&4&5&6	/	19.15	/	20.00
10	256QAM	25	12	ANT0	Full Power&DSI1&2&3&4&5&6	/	19.21	/	20.00
10	256QAM	25	25	ANT0	Full Power&DSI1&2&3&4&5&6	/	19.24	/	20.00
10	256QAM	50	0	ANT0	Full Power&DSI1&2&3&4&5&6	/	19.18	/	20.00

Band				LTE Band30(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	27685	27710	27735	Tune-up power(dBm)
5	QPSK	1	0	ANT4	Full Power&DSI1&2&3	22.56	22.54	22.58	23.00
5	QPSK	1	12	ANT4	Full Power&DSI1&2&3	22.60	22.50	22.66	23.00
5	QPSK	1	24	ANT4	Full Power&DSI1&2&3	22.58	22.53	22.55	23.00
5	QPSK	12	0	ANT4	Full Power&DSI1&2&3	21.54	21.60	21.65	22.00
5	QPSK	12	6	ANT4	Full Power&DSI1&2&3	21.64	21.62	21.60	22.00
5	QPSK	12	13	ANT4	Full Power&DSI1&2&3	21.56	21.56	21.54	22.00
5	QPSK	25	0	ANT4	Full Power&DSI1&2&3	21.59	21.66	21.51	22.00
5	16QAM	1	0	ANT4	Full Power&DSI1&2&3	21.61	21.61	21.69	22.00
5	16QAM	1	12	ANT4	Full Power&DSI1&2&3	21.53	21.55	21.56	22.00
5	16QAM	1	24	ANT4	Full Power&DSI1&2&3	21.64	21.64	21.61	22.00
5	16QAM	12	0	ANT4	Full Power&DSI1&2&3	20.51	20.61	20.59	21.00
5	16QAM	12	6	ANT4	Full Power&DSI1&2&3	20.60	20.51	20.59	21.00
5	16QAM	12	13	ANT4	Full Power&DSI1&2&3	20.66	20.63	20.70	21.00
5	16QAM	25	0	ANT4	Full Power&DSI1&2&3	20.65	20.53	20.63	21.00
5	64QAM	1	0	ANT4	Full Power&DSI1&2&3	20.48	20.54	20.61	21.00
5	64QAM	1	12	ANT4	Full Power&DSI1&2&3	20.58	20.59	20.68	21.00
5	64QAM	1	24	ANT4	Full Power&DSI1&2&3	20.53	20.61	20.69	21.00
5	64QAM	12	0	ANT4	Full Power&DSI1&2&3	19.49	19.51	19.55	20.00
5	64QAM	12	6	ANT4	Full Power&DSI1&2&3	19.60	19.54	19.55	20.00
5	64QAM	12	13	ANT4	Full Power&DSI1&2&3	19.46	19.55	19.60	20.00
5	64QAM	25	0	ANT4	Full Power&DSI1&2&3	19.58	19.69	19.57	20.00
5	256QAM	1	0	ANT4	Full Power&DSI1&2&3	17.70	17.54	17.56	18.00
5	256QAM	1	12	ANT4	Full Power&DSI1&2&3	17.51	17.53	17.56	18.00
5	256QAM	1	24	ANT4	Full Power&DSI1&2&3	17.52	17.60	17.45	18.00
5	256QAM	12	0	ANT4	Full Power&DSI1&2&3	17.64	17.50	17.55	18.00
5	256QAM	12	6	ANT4	Full Power&DSI1&2&3	17.53	17.45	17.53	18.00
5	256QAM	12	13	ANT4	Full Power&DSI1&2&3	17.51	17.58	17.59	18.00
5	256QAM	25	0	ANT4	Full Power&DSI1&2&3	17.57	17.58	17.56	18.00

Band				LTE Band30(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	/	27710	/	Tune-up power(dBm)
10	QPSK	1	0	ANT4	Full Power&DSI1&2&3	/	22.58	/	23.00
10	QPSK	1	24	ANT4	Full Power&DSI1&2&3	/	22.52	/	23.00
10	QPSK	1	49	ANT4	Full Power&DSI1&2&3	/	22.67	/	23.00
10	QPSK	25	0	ANT4	Full Power&DSI1&2&3	/	21.59	/	22.00
10	QPSK	25	12	ANT4	Full Power&DSI1&2&3	/	21.60	/	22.00
10	QPSK	25	25	ANT4	Full Power&DSI1&2&3	/	21.54	/	22.00
10	QPSK	50	0	ANT4	Full Power&DSI1&2&3	/	21.65	/	22.00
10	16QAM	1	0	ANT4	Full Power&DSI1&2&3	/	21.67	/	22.00
10	16QAM	1	24	ANT4	Full Power&DSI1&2&3	/	21.64	/	22.00
10	16QAM	1	49	ANT4	Full Power&DSI1&2&3	/	21.47	/	22.00
10	16QAM	25	0	ANT4	Full Power&DSI1&2&3	/	20.63	/	21.00
10	16QAM	25	12	ANT4	Full Power&DSI1&2&3	/	20.51	/	21.00
10	16QAM	25	25	ANT4	Full Power&DSI1&2&3	/	20.57	/	21.00
10	16QAM	50	0	ANT4	Full Power&DSI1&2&3	/	20.52	/	21.00
10	64QAM	1	0	ANT4	Full Power&DSI1&2&3	/	20.63	/	21.00
10	64QAM	1	24	ANT4	Full Power&DSI1&2&3	/	20.55	/	21.00
10	64QAM	1	49	ANT4	Full Power&DSI1&2&3	/	20.69	/	21.00
10	64QAM	25	0	ANT4	Full Power&DSI1&2&3	/	19.58	/	20.00
10	64QAM	25	12	ANT4	Full Power&DSI1&2&3	/	19.57	/	20.00
10	64QAM	25	25	ANT4	Full Power&DSI1&2&3	/	19.59	/	20.00
10	64QAM	50	0	ANT4	Full Power&DSI1&2&3	/	19.58	/	20.00
10	256QAM	1	0	ANT4	Full Power&DSI1&2&3	/	17.56	/	18.00
10	256QAM	1	24	ANT4	Full Power&DSI1&2&3	/	17.62	/	18.00
10	256QAM	1	49	ANT4	Full Power&DSI1&2&3	/	17.68	/	18.00
10	256QAM	25	0	ANT4	Full Power&DSI1&2&3	/	17.49	/	18.00
10	256QAM	25	12	ANT4	Full Power&DSI1&2&3	/	17.56	/	18.00
10	256QAM	25	25	ANT4	Full Power&DSI1&2&3	/	17.51	/	18.00
10	256QAM	50	0	ANT4	Full Power&DSI1&2&3	/	17.51	/	18.00

Band				LTE Band30(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	27685	27710	27735	Tune-up power(dBm)
5	QPSK	1	0	ANT4	DSI4	18.40	18.52	18.50	19.00
5	QPSK	1	12	ANT4	DSI4	18.59	18.42	18.53	19.00
5	QPSK	1	24	ANT4	DSI4	18.43	18.48	18.57	19.00
5	QPSK	12	0	ANT4	DSI4	18.43	18.42	18.50	19.00
5	QPSK	12	6	ANT4	DSI4	18.57	18.42	18.42	19.00
5	QPSK	12	13	ANT4	DSI4	18.45	18.44	18.52	19.00
5	QPSK	25	0	ANT4	DSI4	18.60	18.42	18.41	19.00
5	16QAM	1	0	ANT4	DSI4	18.58	18.41	18.47	19.00
5	16QAM	1	12	ANT4	DSI4	18.51	18.49	18.43	19.00
5	16QAM	1	24	ANT4	DSI4	18.56	18.56	18.43	19.00
5	16QAM	12	0	ANT4	DSI4	18.48	18.43	18.51	19.00
5	16QAM	12	6	ANT4	DSI4	18.44	18.54	18.45	19.00
5	16QAM	12	13	ANT4	DSI4	18.56	18.53	18.40	19.00
5	16QAM	25	0	ANT4	DSI4	18.42	18.52	18.60	19.00
5	64QAM	1	0	ANT4	DSI4	18.42	18.51	18.59	19.00
5	64QAM	1	12	ANT4	DSI4	18.59	18.49	18.43	19.00
5	64QAM	1	24	ANT4	DSI4	18.58	18.40	18.51	19.00
5	64QAM	12	0	ANT4	DSI4	18.51	18.52	18.56	19.00
5	64QAM	12	6	ANT4	DSI4	18.45	18.53	18.58	19.00
5	64QAM	12	13	ANT4	DSI4	18.59	18.53	18.46	19.00
5	64QAM	25	0	ANT4	DSI4	18.51	18.41	18.56	19.00
5	256QAM	1	0	ANT4	DSI4	18.50	18.42	18.58	19.00
5	256QAM	1	12	ANT4	DSI4	18.40	18.60	18.50	19.00
5	256QAM	1	24	ANT4	DSI4	18.41	18.56	18.53	19.00
5	256QAM	12	0	ANT4	DSI4	18.44	18.44	18.44	19.00
5	256QAM	12	6	ANT4	DSI4	18.43	18.49	18.57	19.00
5	256QAM	12	13	ANT4	DSI4	18.41	18.59	18.55	19.00
5	256QAM	25	0	ANT4	DSI4	18.49	18.60	18.40	19.00

Band				LTE Band30(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	/	27710	/	Tune-up power(dBm)
10	QPSK	1	0	ANT4	DSI4	/	18.56	/	19.00
10	QPSK	1	24	ANT4	DSI4	/	18.43	/	19.00
10	QPSK	1	49	ANT4	DSI4	/	18.49	/	19.00
10	QPSK	25	0	ANT4	DSI4	/	18.53	/	19.00
10	QPSK	25	12	ANT4	DSI4	/	18.55	/	19.00
10	QPSK	25	25	ANT4	DSI4	/	18.54	/	19.00
10	QPSK	50	0	ANT4	DSI4	/	18.52	/	19.00
10	16QAM	1	0	ANT4	DSI4	/	18.45	/	19.00
10	16QAM	1	24	ANT4	DSI4	/	18.55	/	19.00
10	16QAM	1	49	ANT4	DSI4	/	18.50	/	19.00
10	16QAM	25	0	ANT4	DSI4	/	18.53	/	19.00
10	16QAM	25	12	ANT4	DSI4	/	18.55	/	19.00
10	16QAM	25	25	ANT4	DSI4	/	18.60	/	19.00
10	16QAM	50	0	ANT4	DSI4	/	18.53	/	19.00
10	64QAM	1	0	ANT4	DSI4	/	18.43	/	19.00
10	64QAM	1	24	ANT4	DSI4	/	18.51	/	19.00
10	64QAM	1	49	ANT4	DSI4	/	18.53	/	19.00
10	64QAM	25	0	ANT4	DSI4	/	18.43	/	19.00
10	64QAM	25	12	ANT4	DSI4	/	18.51	/	19.00
10	64QAM	25	25	ANT4	DSI4	/	18.48	/	19.00
10	64QAM	50	0	ANT4	DSI4	/	18.56	/	19.00
10	256QAM	1	0	ANT4	DSI4	/	18.49	/	19.00
10	256QAM	1	24	ANT4	DSI4	/	18.46	/	19.00
10	256QAM	1	49	ANT4	DSI4	/	18.52	/	19.00
10	256QAM	25	0	ANT4	DSI4	/	18.49	/	19.00
10	256QAM	25	12	ANT4	DSI4	/	18.48	/	19.00
10	256QAM	25	25	ANT4	DSI4	/	18.51	/	19.00
10	256QAM	50	0	ANT4	DSI4	/	18.40	/	19.00

Band				LTE Band30(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	27685	27710	27735	Tune-up power(dBm)
5	QPSK	1	0	ANT4	DSI5&6	16.49	16.42	16.57	17.50
5	QPSK	1	12	ANT4	DSI5&6	16.59	16.46	16.57	17.50
5	QPSK	1	24	ANT4	DSI5&6	16.46	16.40	16.44	17.50
5	QPSK	12	0	ANT4	DSI5&6	16.50	16.48	16.57	17.50
5	QPSK	12	6	ANT4	DSI5&6	16.56	16.50	16.42	17.50
5	QPSK	12	13	ANT4	DSI5&6	16.56	16.44	16.53	17.50
5	QPSK	25	0	ANT4	DSI5&6	16.53	16.41	16.42	17.50
5	16QAM	1	0	ANT4	DSI5&6	16.60	16.56	16.60	17.50
5	16QAM	1	12	ANT4	DSI5&6	16.50	16.50	16.43	17.50
5	16QAM	1	24	ANT4	DSI5&6	16.50	16.52	16.54	17.50
5	16QAM	12	0	ANT4	DSI5&6	16.59	16.55	16.40	17.50
5	16QAM	12	6	ANT4	DSI5&6	16.50	16.54	16.60	17.50
5	16QAM	12	13	ANT4	DSI5&6	16.52	16.54	16.50	17.50
5	16QAM	25	0	ANT4	DSI5&6	16.57	16.46	16.53	17.50
5	64QAM	1	0	ANT4	DSI5&6	16.58	16.51	16.50	17.50
5	64QAM	1	12	ANT4	DSI5&6	16.47	16.48	16.56	17.50
5	64QAM	1	24	ANT4	DSI5&6	16.56	16.48	16.45	17.50
5	64QAM	12	0	ANT4	DSI5&6	16.53	16.58	16.45	17.50
5	64QAM	12	6	ANT4	DSI5&6	16.42	16.49	16.59	17.50
5	64QAM	12	13	ANT4	DSI5&6	16.49	16.58	16.44	17.50
5	64QAM	25	0	ANT4	DSI5&6	16.47	16.41	16.52	17.50
5	256QAM	1	0	ANT4	DSI5&6	16.51	16.59	16.42	17.50
5	256QAM	1	12	ANT4	DSI5&6	16.44	16.52	16.59	17.50
5	256QAM	1	24	ANT4	DSI5&6	16.53	16.46	16.59	17.50
5	256QAM	12	0	ANT4	DSI5&6	16.53	16.43	16.49	17.50
5	256QAM	12	6	ANT4	DSI5&6	16.59	16.60	16.52	17.50
5	256QAM	12	13	ANT4	DSI5&6	16.57	16.41	16.54	17.50
5	256QAM	25	0	ANT4	DSI5&6	16.56	16.50	16.44	17.50

Band				LTE Band30(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	/	27710	/	Tune-up power(dBm)
10	QPSK	1	0	ANT4	DSI5&6	/	16.58	/	17.50
10	QPSK	1	24	ANT4	DSI5&6	/	16.40	/	17.50
10	QPSK	1	49	ANT4	DSI5&6	/	16.57	/	17.50
10	QPSK	25	0	ANT4	DSI5&6	/	16.42	/	17.50
10	QPSK	25	12	ANT4	DSI5&6	/	16.47	/	17.50
10	QPSK	25	25	ANT4	DSI5&6	/	16.47	/	17.50
10	QPSK	50	0	ANT4	DSI5&6	/	16.52	/	17.50
10	16QAM	1	0	ANT4	DSI5&6	/	16.45	/	17.50
10	16QAM	1	24	ANT4	DSI5&6	/	16.60	/	17.50
10	16QAM	1	49	ANT4	DSI5&6	/	16.43	/	17.50
10	16QAM	25	0	ANT4	DSI5&6	/	16.58	/	17.50
10	16QAM	25	12	ANT4	DSI5&6	/	16.56	/	17.50
10	16QAM	25	25	ANT4	DSI5&6	/	16.49	/	17.50
10	16QAM	50	0	ANT4	DSI5&6	/	16.40	/	17.50
10	64QAM	1	0	ANT4	DSI5&6	/	16.55	/	17.50
10	64QAM	1	24	ANT4	DSI5&6	/	16.51	/	17.50
10	64QAM	1	49	ANT4	DSI5&6	/	16.42	/	17.50
10	64QAM	25	0	ANT4	DSI5&6	/	16.45	/	17.50
10	64QAM	25	12	ANT4	DSI5&6	/	16.49	/	17.50
10	64QAM	25	25	ANT4	DSI5&6	/	16.40	/	17.50
10	64QAM	50	0	ANT4	DSI5&6	/	16.47	/	17.50
10	256QAM	1	0	ANT4	DSI5&6	/	16.59	/	17.50
10	256QAM	1	24	ANT4	DSI5&6	/	16.55	/	17.50
10	256QAM	1	49	ANT4	DSI5&6	/	16.43	/	17.50
10	256QAM	25	0	ANT4	DSI5&6	/	16.56	/	17.50
10	256QAM	25	12	ANT4	DSI5&6	/	16.45	/	17.50
10	256QAM	25	25	ANT4	DSI5&6	/	16.41	/	17.50
10	256QAM	50	0	ANT4	DSI5&6	/	16.49	/	17.50

Band				LTE Band66(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	131979	132322	132665	Tune-up power(dBm)
1.4	QPSK	1	0	ANT4	Full Power	23.75	23.74	23.68	24.50
1.4	QPSK	1	2	ANT4	Full Power	23.81	23.79	23.76	24.50
1.4	QPSK	1	5	ANT4	Full Power	23.68	23.71	23.78	24.50
1.4	QPSK	3	0	ANT4	Full Power	23.76	23.70	23.69	24.50
1.4	QPSK	3	1	ANT4	Full Power	23.80	23.77	23.75	24.50
1.4	QPSK	3	3	ANT4	Full Power	23.76	23.65	23.79	24.50
1.4	QPSK	6	0	ANT4	Full Power	22.77	22.77	22.79	23.50
1.4	16QAM	1	0	ANT4	Full Power	22.72	22.80	22.65	23.50
1.4	16QAM	1	2	ANT4	Full Power	22.81	22.74	22.75	23.50
1.4	16QAM	1	5	ANT4	Full Power	22.80	22.81	22.71	23.50
1.4	16QAM	3	0	ANT4	Full Power	22.77	22.73	22.78	23.50
1.4	16QAM	3	1	ANT4	Full Power	22.78	22.75	22.82	23.50
1.4	16QAM	3	3	ANT4	Full Power	22.77	22.76	22.74	23.50
1.4	16QAM	6	0	ANT4	Full Power	21.72	21.75	21.79	22.50
1.4	64QAM	1	0	ANT4	Full Power	21.73	21.67	21.77	22.50
1.4	64QAM	1	2	ANT4	Full Power	21.80	21.71	21.69	22.50
1.4	64QAM	1	5	ANT4	Full Power	21.76	21.77	21.81	22.50
1.4	64QAM	3	0	ANT4	Full Power	21.75	21.70	21.75	22.50
1.4	64QAM	3	1	ANT4	Full Power	21.75	21.74	21.78	22.50
1.4	64QAM	3	3	ANT4	Full Power	21.73	21.76	21.74	22.50
1.4	64QAM	6	0	ANT4	Full Power	20.77	20.76	20.68	21.50
1.4	256QAM	1	0	ANT4	Full Power	18.72	18.78	18.77	19.50
1.4	256QAM	1	2	ANT4	Full Power	18.72	18.72	18.73	19.50
1.4	256QAM	1	5	ANT4	Full Power	18.73	18.72	18.74	19.50
1.4	256QAM	3	0	ANT4	Full Power	18.73	18.68	18.78	19.50
1.4	256QAM	3	1	ANT4	Full Power	18.71	18.82	18.75	19.50
1.4	256QAM	3	3	ANT4	Full Power	18.71	18.74	18.71	19.50
1.4	256QAM	6	0	ANT4	Full Power	18.72	18.70	18.72	19.50

Band				LTE Band66(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	131987	132322	132657	Tune-up power(dBm)
3	QPSK	1	0	ANT4	Full Power	23.90	23.87	23.86	24.50
3	QPSK	1	7	ANT4	Full Power	23.75	23.78	23.78	24.50
3	QPSK	1	14	ANT4	Full Power	23.80	23.81	23.68	24.50
3	QPSK	8	0	ANT4	Full Power	22.68	22.75	22.84	23.50
3	QPSK	8	3	ANT4	Full Power	22.77	22.72	22.68	23.50
3	QPSK	8	7	ANT4	Full Power	22.81	22.75	22.83	23.50
3	QPSK	15	0	ANT4	Full Power	22.74	22.83	22.71	23.50
3	16QAM	1	0	ANT4	Full Power	22.70	22.77	22.79	23.50
3	16QAM	1	7	ANT4	Full Power	22.71	22.83	22.73	23.50
3	16QAM	1	14	ANT4	Full Power	22.81	22.78	22.84	23.50
3	16QAM	8	0	ANT4	Full Power	21.78	21.73	21.76	22.50
3	16QAM	8	3	ANT4	Full Power	21.68	21.67	21.84	22.50
3	16QAM	8	7	ANT4	Full Power	21.79	21.82	21.78	22.50
3	16QAM	15	0	ANT4	Full Power	21.74	21.79	21.77	22.50
3	64QAM	1	0	ANT4	Full Power	21.76	21.69	21.75	22.50
3	64QAM	1	7	ANT4	Full Power	21.78	21.78	21.64	22.50
3	64QAM	1	14	ANT4	Full Power	21.62	21.73	21.85	22.50
3	64QAM	8	0	ANT4	Full Power	20.75	20.65	20.76	21.50
3	64QAM	8	3	ANT4	Full Power	20.83	20.74	20.77	21.50
3	64QAM	8	7	ANT4	Full Power	20.76	20.75	20.71	21.50
3	64QAM	15	0	ANT4	Full Power	20.77	20.80	20.72	21.50
3	256QAM	1	0	ANT4	Full Power	18.85	18.77	18.76	19.50
3	256QAM	1	7	ANT4	Full Power	18.67	18.80	18.73	19.50
3	256QAM	1	14	ANT4	Full Power	18.71	18.71	18.68	19.50
3	256QAM	8	0	ANT4	Full Power	18.68	18.70	18.68	19.50
3	256QAM	8	3	ANT4	Full Power	18.80	18.80	18.66	19.50
3	256QAM	8	7	ANT4	Full Power	18.78	18.67	18.76	19.50
3	256QAM	15	0	ANT4	Full Power	18.75	18.74	18.82	19.50

Band				LTE Band66(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	131997	132322	132647	Tune-up power(dBm)
5	QPSK	1	0	ANT4	Full Power	23.90	23.89	23.90	24.50
5	QPSK	1	12	ANT4	Full Power	23.70	23.80	23.77	24.50
5	QPSK	1	24	ANT4	Full Power	23.73	23.77	23.78	24.50
5	QPSK	12	0	ANT4	Full Power	22.65	22.76	22.76	23.50
5	QPSK	12	6	ANT4	Full Power	22.77	22.72	22.70	23.50
5	QPSK	12	13	ANT4	Full Power	22.75	22.77	22.83	23.50
5	QPSK	25	0	ANT4	Full Power	22.70	22.84	22.77	23.50
5	16QAM	1	0	ANT4	Full Power	22.75	22.76	22.77	23.50
5	16QAM	1	12	ANT4	Full Power	22.79	22.76	22.79	23.50
5	16QAM	1	24	ANT4	Full Power	22.78	22.74	22.75	23.50
5	16QAM	12	0	ANT4	Full Power	21.70	21.78	21.82	22.50
5	16QAM	12	6	ANT4	Full Power	21.73	21.72	21.82	22.50
5	16QAM	12	13	ANT4	Full Power	21.85	21.75	21.73	22.50
5	16QAM	25	0	ANT4	Full Power	21.76	21.73	21.68	22.50
5	64QAM	1	0	ANT4	Full Power	21.73	21.69	21.75	22.50
5	64QAM	1	12	ANT4	Full Power	21.80	21.72	21.62	22.50
5	64QAM	1	24	ANT4	Full Power	21.67	21.68	21.80	22.50
5	64QAM	12	0	ANT4	Full Power	20.83	20.65	20.80	21.50
5	64QAM	12	6	ANT4	Full Power	20.77	20.73	20.79	21.50
5	64QAM	12	13	ANT4	Full Power	20.74	20.71	20.63	21.50
5	64QAM	25	0	ANT4	Full Power	20.76	20.86	20.67	21.50
5	256QAM	1	0	ANT4	Full Power	18.86	18.69	18.73	19.50
5	256QAM	1	12	ANT4	Full Power	18.63	18.78	18.79	19.50
5	256QAM	1	24	ANT4	Full Power	18.79	18.69	18.70	19.50
5	256QAM	12	0	ANT4	Full Power	18.66	18.67	18.68	19.50
5	256QAM	12	6	ANT4	Full Power	18.75	18.81	18.70	19.50
5	256QAM	12	13	ANT4	Full Power	18.85	18.67	18.84	19.50
5	256QAM	25	0	ANT4	Full Power	18.70	18.79	18.80	19.50

Band				LTE Band66(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	132022	132322	132622	Tune-up power(dBm)
10	QPSK	1	0	ANT4	Full Power	23.86	23.94	23.83	24.50
10	QPSK	1	24	ANT4	Full Power	23.67	23.82	23.80	24.50
10	QPSK	1	49	ANT4	Full Power	23.77	23.77	23.73	24.50
10	QPSK	25	0	ANT4	Full Power	22.72	22.75	22.85	23.50
10	QPSK	25	12	ANT4	Full Power	22.80	22.77	22.75	23.50
10	QPSK	25	25	ANT4	Full Power	22.79	22.80	22.80	23.50
10	QPSK	50	0	ANT4	Full Power	22.69	22.81	22.80	23.50
10	16QAM	1	0	ANT4	Full Power	22.71	22.77	22.80	23.50
10	16QAM	1	24	ANT4	Full Power	22.76	22.82	22.75	23.50
10	16QAM	1	49	ANT4	Full Power	22.77	22.80	22.79	23.50
10	16QAM	25	0	ANT4	Full Power	21.73	21.77	21.79	22.50
10	16QAM	25	12	ANT4	Full Power	21.69	21.73	21.82	22.50
10	16QAM	25	25	ANT4	Full Power	21.82	21.76	21.77	22.50
10	16QAM	50	0	ANT4	Full Power	21.77	21.74	21.71	22.50
10	64QAM	1	0	ANT4	Full Power	21.73	21.72	21.73	22.50
10	64QAM	1	24	ANT4	Full Power	21.85	21.78	21.62	22.50
10	64QAM	1	49	ANT4	Full Power	21.70	21.67	21.77	22.50
10	64QAM	25	0	ANT4	Full Power	20.78	20.73	20.77	21.50
10	64QAM	25	12	ANT4	Full Power	20.75	20.69	20.80	21.50
10	64QAM	25	25	ANT4	Full Power	20.77	20.78	20.62	21.50
10	64QAM	50	0	ANT4	Full Power	20.74	20.79	20.71	21.50
10	256QAM	1	0	ANT4	Full Power	18.86	18.70	18.77	19.50
10	256QAM	1	24	ANT4	Full Power	18.64	18.74	18.72	19.50
10	256QAM	1	49	ANT4	Full Power	18.79	18.72	18.73	19.50
10	256QAM	25	0	ANT4	Full Power	18.74	18.69	18.71	19.50
10	256QAM	25	12	ANT4	Full Power	18.72	18.85	18.71	19.50
10	256QAM	25	25	ANT4	Full Power	18.81	18.71	18.76	19.50
10	256QAM	50	0	ANT4	Full Power	18.67	18.83	18.76	19.50

Band				LTE Band66(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	132047	132322	132597	Tune-up power(dBm)
15	QPSK	1	0	ANT4	Full Power	23.82	23.96	23.89	24.50
15	QPSK	1	37	ANT4	Full Power	23.76	23.73	23.72	24.50
15	QPSK	1	74	ANT4	Full Power	23.75	23.77	23.68	24.50
15	QPSK	36	0	ANT4	Full Power	22.65	22.82	22.84	23.50
15	QPSK	36	19	ANT4	Full Power	22.70	22.80	22.73	23.50
15	QPSK	36	39	ANT4	Full Power	22.81	22.72	22.82	23.50
15	QPSK	75	0	ANT4	Full Power	22.72	22.86	22.74	23.50
15	16QAM	1	0	ANT4	Full Power	22.74	22.76	22.75	23.50
15	16QAM	1	37	ANT4	Full Power	22.71	22.82	22.79	23.50
15	16QAM	1	74	ANT4	Full Power	22.80	22.74	22.78	23.50
15	16QAM	36	0	ANT4	Full Power	21.71	21.74	21.83	22.50
15	16QAM	36	19	ANT4	Full Power	21.67	21.65	21.82	22.50
15	16QAM	36	39	ANT4	Full Power	21.81	21.82	21.76	22.50
15	16QAM	75	0	ANT4	Full Power	21.82	21.80	21.72	22.50
15	64QAM	1	0	ANT4	Full Power	21.82	21.76	21.74	22.50
15	64QAM	1	37	ANT4	Full Power	21.76	21.72	21.67	22.50
15	64QAM	1	74	ANT4	Full Power	21.70	21.70	21.81	22.50
15	64QAM	36	0	ANT4	Full Power	20.80	20.70	20.82	21.50
15	64QAM	36	19	ANT4	Full Power	20.75	20.69	20.78	21.50
15	64QAM	36	39	ANT4	Full Power	20.79	20.75	20.71	21.50
15	64QAM	75	0	ANT4	Full Power	20.76	20.87	20.72	21.50
15	256QAM	1	0	ANT4	Full Power	18.79	18.74	18.72	19.50
15	256QAM	1	37	ANT4	Full Power	18.62	18.78	18.79	19.50
15	256QAM	1	74	ANT4	Full Power	18.80	18.74	18.71	19.50
15	256QAM	36	0	ANT4	Full Power	18.69	18.66	18.76	19.50
15	256QAM	36	19	ANT4	Full Power	18.79	18.81	18.67	19.50
15	256QAM	36	39	ANT4	Full Power	18.79	18.64	18.83	19.50
15	256QAM	75	0	ANT4	Full Power	18.72	18.82	18.84	19.50

Band				LTE Band66(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	132072	132322	132572	Tune-up power(dBm)
20	QPSK	1	0	ANT4	Full Power	23.85	23.91	23.88	24.50
20	QPSK	1	49	ANT4	Full Power	23.71	23.77	23.77	24.50
20	QPSK	1	99	ANT4	Full Power	23.77	23.80	23.73	24.50
20	QPSK	50	0	ANT4	Full Power	22.69	22.77	22.80	23.50
20	QPSK	50	25	ANT4	Full Power	22.75	22.76	22.70	23.50
20	QPSK	50	50	ANT4	Full Power	22.79	22.77	22.82	23.50
20	QPSK	100	0	ANT4	Full Power	22.70	22.81	22.76	23.50
20	16QAM	1	0	ANT4	Full Power	22.73	22.77	22.78	23.50
20	16QAM	1	49	ANT4	Full Power	22.75	22.81	22.76	23.50
20	16QAM	1	99	ANT4	Full Power	22.76	22.79	22.79	23.50
20	16QAM	50	0	ANT4	Full Power	21.74	21.77	21.80	22.50
20	16QAM	50	25	ANT4	Full Power	21.70	21.70	21.80	22.50
20	16QAM	50	50	ANT4	Full Power	21.83	21.79	21.78	22.50
20	16QAM	100	0	ANT4	Full Power	21.77	21.78	21.73	22.50
20	64QAM	1	0	ANT4	Full Power	21.78	21.74	21.77	22.50
20	64QAM	1	49	ANT4	Full Power	21.81	21.73	21.67	22.50
20	64QAM	1	99	ANT4	Full Power	21.67	21.69	21.81	22.50
20	64QAM	50	0	ANT4	Full Power	20.79	20.68	20.77	21.50
20	64QAM	50	25	ANT4	Full Power	20.80	20.74	20.76	21.50
20	64QAM	50	50	ANT4	Full Power	20.76	20.76	20.67	21.50
20	64QAM	100	0	ANT4	Full Power	20.79	20.83	20.68	21.50
20	256QAM	1	0	ANT4	Full Power	18.81	18.74	18.74	19.50
20	256QAM	1	49	ANT4	Full Power	18.67	18.76	18.77	19.50
20	256QAM	1	99	ANT4	Full Power	18.75	18.72	18.73	19.50
20	256QAM	50	0	ANT4	Full Power	18.71	18.65	18.73	19.50
20	256QAM	50	25	ANT4	Full Power	18.76	18.80	18.67	19.50
20	256QAM	50	50	ANT4	Full Power	18.80	18.67	18.79	19.50
20	256QAM	100	0	ANT4	Full Power	18.72	18.79	18.80	19.50

Band				LTE Band66(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	131979	132322	132665	Tune-up power(dBm)
1.4	QPSK	1	0	ANT4	DSI1&2&3	22.03	22.07	22.08	22.50
1.4	QPSK	1	2	ANT4	DSI1&2&3	21.93	22.10	22.00	22.50
1.4	QPSK	1	5	ANT4	DSI1&2&3	21.92	21.94	22.07	22.50
1.4	QPSK	3	0	ANT4	DSI1&2&3	21.94	22.10	22.06	22.50
1.4	QPSK	3	1	ANT4	DSI1&2&3	22.10	21.93	22.09	22.50
1.4	QPSK	3	3	ANT4	DSI1&2&3	21.94	21.93	22.07	22.50
1.4	QPSK	6	0	ANT4	DSI1&2&3	21.99	21.95	21.95	22.50
1.4	16QAM	1	0	ANT4	DSI1&2&3	22.04	22.00	22.01	22.50
1.4	16QAM	1	2	ANT4	DSI1&2&3	22.01	22.02	21.92	22.50
1.4	16QAM	1	5	ANT4	DSI1&2&3	22.06	22.10	22.09	22.50
1.4	16QAM	3	0	ANT4	DSI1&2&3	22.00	22.01	22.08	22.50
1.4	16QAM	3	1	ANT4	DSI1&2&3	22.10	22.01	21.93	22.50
1.4	16QAM	3	3	ANT4	DSI1&2&3	22.02	21.97	21.96	22.50
1.4	16QAM	6	0	ANT4	DSI1&2&3	21.98	21.91	22.01	22.50
1.4	64QAM	1	0	ANT4	DSI1&2&3	21.97	22.10	22.01	22.50
1.4	64QAM	1	2	ANT4	DSI1&2&3	22.08	22.05	22.03	22.50
1.4	64QAM	1	5	ANT4	DSI1&2&3	21.98	22.02	22.07	22.50
1.4	64QAM	3	0	ANT4	DSI1&2&3	20.99	20.97	20.91	21.50
1.4	64QAM	3	1	ANT4	DSI1&2&3	21.03	20.90	21.05	21.50
1.4	64QAM	3	3	ANT4	DSI1&2&3	21.10	20.99	20.95	21.50
1.4	64QAM	6	0	ANT4	DSI1&2&3	20.95	20.93	20.99	21.50
1.4	256QAM	1	0	ANT4	DSI1&2&3	18.91	18.95	19.02	19.50
1.4	256QAM	1	2	ANT4	DSI1&2&3	18.97	19.07	18.98	19.50
1.4	256QAM	1	5	ANT4	DSI1&2&3	19.01	19.05	19.00	19.50
1.4	256QAM	3	0	ANT4	DSI1&2&3	18.90	19.09	19.05	19.50
1.4	256QAM	3	1	ANT4	DSI1&2&3	19.10	19.10	19.06	19.50
1.4	256QAM	3	3	ANT4	DSI1&2&3	18.93	19.10	19.01	19.50
1.4	256QAM	6	0	ANT4	DSI1&2&3	19.09	19.01	18.99	19.50

Band				LTE Band66(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	131987	132322	132657	Tune-up power(dBm)
3	QPSK	1	0	ANT4	DSI1&2&3	21.94	22.03	21.97	22.50
3	QPSK	1	7	ANT4	DSI1&2&3	22.09	21.92	22.10	22.50
3	QPSK	1	14	ANT4	DSI1&2&3	21.90	22.03	22.09	22.50
3	QPSK	8	0	ANT4	DSI1&2&3	22.02	22.07	21.93	22.50
3	QPSK	8	3	ANT4	DSI1&2&3	22.01	21.94	22.09	22.50
3	QPSK	8	7	ANT4	DSI1&2&3	22.05	21.90	21.97	22.50
3	QPSK	15	0	ANT4	DSI1&2&3	21.90	21.93	22.01	22.50
3	16QAM	1	0	ANT4	DSI1&2&3	21.99	21.98	21.99	22.50
3	16QAM	1	7	ANT4	DSI1&2&3	22.10	21.93	21.92	22.50
3	16QAM	1	14	ANT4	DSI1&2&3	22.05	22.01	22.08	22.50
3	16QAM	8	0	ANT4	DSI1&2&3	21.99	22.06	22.10	22.50
3	16QAM	8	3	ANT4	DSI1&2&3	21.92	21.99	21.90	22.50
3	16QAM	8	7	ANT4	DSI1&2&3	22.09	21.90	21.92	22.50
3	16QAM	15	0	ANT4	DSI1&2&3	21.93	22.00	21.92	22.50
3	64QAM	1	0	ANT4	DSI1&2&3	22.03	22.04	22.09	22.50
3	64QAM	1	7	ANT4	DSI1&2&3	21.99	22.10	21.97	22.50
3	64QAM	1	14	ANT4	DSI1&2&3	22.09	21.98	22.05	22.50
3	64QAM	8	0	ANT4	DSI1&2&3	20.99	21.09	20.98	21.50
3	64QAM	8	3	ANT4	DSI1&2&3	21.10	21.09	21.05	21.50
3	64QAM	8	7	ANT4	DSI1&2&3	20.98	21.06	21.04	21.50
3	64QAM	15	0	ANT4	DSI1&2&3	21.09	20.91	21.08	21.50
3	256QAM	1	0	ANT4	DSI1&2&3	18.91	18.91	19.03	19.50
3	256QAM	1	7	ANT4	DSI1&2&3	18.93	19.02	19.05	19.50
3	256QAM	1	14	ANT4	DSI1&2&3	18.95	18.92	19.00	19.50
3	256QAM	8	0	ANT4	DSI1&2&3	18.90	19.08	18.90	19.50
3	256QAM	8	3	ANT4	DSI1&2&3	19.01	18.96	18.95	19.50
3	256QAM	8	7	ANT4	DSI1&2&3	19.04	19.01	19.01	19.50
3	256QAM	15	0	ANT4	DSI1&2&3	18.94	19.07	19.10	19.50

Band				LTE Band66(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	131997	132322	132647	Tune-up power(dBm)
5	QPSK	1	0	ANT4	DSI1&2&3	22.00	22.05	21.91	22.50
5	QPSK	1	12	ANT4	DSI1&2&3	21.90	21.92	21.99	22.50
5	QPSK	1	24	ANT4	DSI1&2&3	22.07	21.90	22.07	22.50
5	QPSK	12	0	ANT4	DSI1&2&3	21.90	22.08	21.92	22.50
5	QPSK	12	6	ANT4	DSI1&2&3	21.94	21.96	21.90	22.50
5	QPSK	12	13	ANT4	DSI1&2&3	22.01	21.93	21.91	22.50
5	QPSK	25	0	ANT4	DSI1&2&3	22.04	22.00	22.02	22.50
5	16QAM	1	0	ANT4	DSI1&2&3	22.02	22.07	21.98	22.50
5	16QAM	1	12	ANT4	DSI1&2&3	22.10	21.95	22.03	22.50
5	16QAM	1	24	ANT4	DSI1&2&3	21.98	21.90	21.90	22.50
5	16QAM	12	0	ANT4	DSI1&2&3	22.10	21.99	21.99	22.50
5	16QAM	12	6	ANT4	DSI1&2&3	22.03	22.08	22.05	22.50
5	16QAM	12	13	ANT4	DSI1&2&3	22.00	22.04	21.91	22.50
5	16QAM	25	0	ANT4	DSI1&2&3	21.91	22.03	22.04	22.50
5	64QAM	1	0	ANT4	DSI1&2&3	22.08	22.08	22.10	22.50
5	64QAM	1	12	ANT4	DSI1&2&3	22.05	21.96	21.96	22.50
5	64QAM	1	24	ANT4	DSI1&2&3	21.95	22.03	21.96	22.50
5	64QAM	12	0	ANT4	DSI1&2&3	20.93	21.03	21.08	21.50
5	64QAM	12	6	ANT4	DSI1&2&3	21.01	21.05	21.10	21.50
5	64QAM	12	13	ANT4	DSI1&2&3	21.00	21.02	20.95	21.50
5	64QAM	25	0	ANT4	DSI1&2&3	21.05	21.03	20.97	21.50
5	256QAM	1	0	ANT4	DSI1&2&3	19.05	18.93	19.03	19.50
5	256QAM	1	12	ANT4	DSI1&2&3	19.00	18.90	18.93	19.50
5	256QAM	1	24	ANT4	DSI1&2&3	19.07	18.98	19.04	19.50
5	256QAM	12	0	ANT4	DSI1&2&3	19.10	18.90	18.90	19.50
5	256QAM	12	6	ANT4	DSI1&2&3	18.94	18.94	19.05	19.50
5	256QAM	12	13	ANT4	DSI1&2&3	18.91	18.90	19.00	19.50
5	256QAM	25	0	ANT4	DSI1&2&3	18.91	19.05	18.90	19.50

Band				LTE Band66(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	132022	132322	132622	Tune-up power(dBm)
10	QPSK	1	0	ANT4	DSI1&2&3	22.07	22.02	21.99	22.50
10	QPSK	1	24	ANT4	DSI1&2&3	21.97	21.98	22.09	22.50
10	QPSK	1	49	ANT4	DSI1&2&3	22.04	21.94	21.92	22.50
10	QPSK	25	0	ANT4	DSI1&2&3	21.96	21.96	21.99	22.50
10	QPSK	25	12	ANT4	DSI1&2&3	22.01	22.07	21.91	22.50
10	QPSK	25	25	ANT4	DSI1&2&3	22.02	22.02	22.05	22.50
10	QPSK	50	0	ANT4	DSI1&2&3	21.96	21.94	21.96	22.50
10	16QAM	1	0	ANT4	DSI1&2&3	21.93	21.91	21.93	22.50
10	16QAM	1	24	ANT4	DSI1&2&3	22.05	22.05	21.97	22.50
10	16QAM	1	49	ANT4	DSI1&2&3	22.06	21.97	22.06	22.50
10	16QAM	25	0	ANT4	DSI1&2&3	21.93	21.98	22.08	22.50
10	16QAM	25	12	ANT4	DSI1&2&3	22.05	21.92	21.99	22.50
10	16QAM	25	25	ANT4	DSI1&2&3	21.93	21.90	22.08	22.50
10	16QAM	50	0	ANT4	DSI1&2&3	21.93	21.95	22.05	22.50
10	64QAM	1	0	ANT4	DSI1&2&3	21.96	21.94	22.02	22.50
10	64QAM	1	24	ANT4	DSI1&2&3	21.99	22.00	21.96	22.50
10	64QAM	1	49	ANT4	DSI1&2&3	21.91	21.91	22.02	22.50
10	64QAM	25	0	ANT4	DSI1&2&3	21.10	21.06	20.92	21.50
10	64QAM	25	12	ANT4	DSI1&2&3	20.92	20.98	20.94	21.50
10	64QAM	25	25	ANT4	DSI1&2&3	21.05	20.97	21.04	21.50
10	64QAM	50	0	ANT4	DSI1&2&3	21.02	21.04	21.00	21.50
10	256QAM	1	0	ANT4	DSI1&2&3	18.98	18.91	18.93	19.50
10	256QAM	1	24	ANT4	DSI1&2&3	19.05	19.09	19.09	19.50
10	256QAM	1	49	ANT4	DSI1&2&3	19.01	19.10	19.01	19.50
10	256QAM	25	0	ANT4	DSI1&2&3	19.09	19.09	19.07	19.50
10	256QAM	25	12	ANT4	DSI1&2&3	18.92	18.99	18.99	19.50
10	256QAM	25	25	ANT4	DSI1&2&3	18.91	19.00	19.03	19.50
10	256QAM	50	0	ANT4	DSI1&2&3	19.07	19.00	19.03	19.50

Band				LTE Band66(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	132047	132322	132597	Tune-up power(dBm)
15	QPSK	1	0	ANT4	DSI1&2&3	22.10	21.91	21.91	22.50
15	QPSK	1	37	ANT4	DSI1&2&3	21.94	22.10	21.98	22.50
15	QPSK	1	74	ANT4	DSI1&2&3	22.03	22.05	21.96	22.50
15	QPSK	36	0	ANT4	DSI1&2&3	21.97	22.02	21.94	22.50
15	QPSK	36	19	ANT4	DSI1&2&3	21.91	21.99	22.01	22.50
15	QPSK	36	39	ANT4	DSI1&2&3	22.00	22.10	22.03	22.50
15	QPSK	75	0	ANT4	DSI1&2&3	22.09	22.00	21.92	22.50
15	16QAM	1	0	ANT4	DSI1&2&3	22.04	21.95	21.98	22.50
15	16QAM	1	37	ANT4	DSI1&2&3	22.02	22.08	21.96	22.50
15	16QAM	1	74	ANT4	DSI1&2&3	21.95	21.91	22.10	22.50
15	16QAM	36	0	ANT4	DSI1&2&3	22.05	22.04	22.09	22.50
15	16QAM	36	19	ANT4	DSI1&2&3	22.00	21.90	22.00	22.50
15	16QAM	36	39	ANT4	DSI1&2&3	22.04	21.96	21.93	22.50
15	16QAM	75	0	ANT4	DSI1&2&3	22.07	22.06	22.02	22.50
15	64QAM	1	0	ANT4	DSI1&2&3	22.00	22.10	21.96	22.50
15	64QAM	1	37	ANT4	DSI1&2&3	22.03	21.90	21.95	22.50
15	64QAM	1	74	ANT4	DSI1&2&3	22.00	22.03	22.00	22.50
15	64QAM	36	0	ANT4	DSI1&2&3	20.96	20.97	21.10	21.50
15	64QAM	36	19	ANT4	DSI1&2&3	21.06	20.90	21.07	21.50
15	64QAM	36	39	ANT4	DSI1&2&3	21.04	21.05	20.97	21.50
15	64QAM	75	0	ANT4	DSI1&2&3	20.90	21.06	21.10	21.50
15	256QAM	1	0	ANT4	DSI1&2&3	18.91	19.05	18.94	19.50
15	256QAM	1	37	ANT4	DSI1&2&3	18.92	19.02	19.06	19.50
15	256QAM	1	74	ANT4	DSI1&2&3	18.94	18.98	18.99	19.50
15	256QAM	36	0	ANT4	DSI1&2&3	19.01	19.05	19.10	19.50
15	256QAM	36	19	ANT4	DSI1&2&3	18.90	19.06	19.03	19.50
15	256QAM	36	39	ANT4	DSI1&2&3	18.99	19.02	19.08	19.50
15	256QAM	75	0	ANT4	DSI1&2&3	18.94	18.98	18.93	19.50

Band				LTE Band66(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	132072	132322	132572	Tune-up power(dBm)
20	QPSK	1	0	ANT4	DSI1&2&3	21.94	21.97	21.96	22.50
20	QPSK	1	49	ANT4	DSI1&2&3	21.93	21.93	22.10	22.50
20	QPSK	1	99	ANT4	DSI1&2&3	21.99	21.91	22.10	22.50
20	QPSK	50	0	ANT4	DSI1&2&3	21.99	21.90	22.03	22.50
20	QPSK	50	25	ANT4	DSI1&2&3	21.92	21.97	22.10	22.50
20	QPSK	50	50	ANT4	DSI1&2&3	22.05	21.96	21.98	22.50
20	QPSK	100	0	ANT4	DSI1&2&3	22.03	21.94	21.93	22.50
20	16QAM	1	0	ANT4	DSI1&2&3	21.95	21.96	21.91	22.50
20	16QAM	1	49	ANT4	DSI1&2&3	21.96	21.97	22.01	22.50
20	16QAM	1	99	ANT4	DSI1&2&3	22.02	22.02	22.10	22.50
20	16QAM	50	0	ANT4	DSI1&2&3	21.98	22.04	22.05	22.50
20	16QAM	50	25	ANT4	DSI1&2&3	21.96	21.91	21.98	22.50
20	16QAM	50	50	ANT4	DSI1&2&3	22.06	21.93	22.10	22.50
20	16QAM	100	0	ANT4	DSI1&2&3	21.97	22.01	22.02	22.50
20	64QAM	1	0	ANT4	DSI1&2&3	21.93	22.03	21.90	22.50
20	64QAM	1	49	ANT4	DSI1&2&3	22.05	21.98	21.90	22.50
20	64QAM	1	99	ANT4	DSI1&2&3	22.06	22.09	21.99	22.50
20	64QAM	50	0	ANT4	DSI1&2&3	21.05	21.08	20.95	21.50
20	64QAM	50	25	ANT4	DSI1&2&3	21.09	21.04	21.01	21.50
20	64QAM	50	50	ANT4	DSI1&2&3	21.01	21.04	20.93	21.50
20	64QAM	100	0	ANT4	DSI1&2&3	20.95	20.98	20.90	21.50
20	256QAM	1	0	ANT4	DSI1&2&3	18.92	19.01	18.94	19.50
20	256QAM	1	49	ANT4	DSI1&2&3	19.01	19.00	19.02	19.50
20	256QAM	1	99	ANT4	DSI1&2&3	18.93	18.92	19.03	19.50
20	256QAM	50	0	ANT4	DSI1&2&3	19.01	19.07	18.94	19.50
20	256QAM	50	25	ANT4	DSI1&2&3	19.04	18.96	18.96	19.50
20	256QAM	50	50	ANT4	DSI1&2&3	19.02	18.91	18.91	19.50
20	256QAM	100	0	ANT4	DSI1&2&3	18.91	19.01	18.97	19.50

Band				LTE Band66(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	131979	132322	132665	Tune-up power(dBm)
1.4	QPSK	1	0	ANT4	DSI4	17.08	17.20	17.01	19.00
1.4	QPSK	1	2	ANT4	DSI4	17.10	17.07	17.03	19.00
1.4	QPSK	1	5	ANT4	DSI4	17.16	17.14	17.19	19.00
1.4	QPSK	3	0	ANT4	DSI4	17.06	17.06	17.12	19.00
1.4	QPSK	3	1	ANT4	DSI4	17.03	17.03	17.14	19.00
1.4	QPSK	3	3	ANT4	DSI4	17.05	17.15	17.12	19.00
1.4	QPSK	6	0	ANT4	DSI4	17.09	17.11	17.06	19.00
1.4	16QAM	1	0	ANT4	DSI4	17.18	17.02	17.02	19.00
1.4	16QAM	1	2	ANT4	DSI4	17.12	17.09	17.18	19.00
1.4	16QAM	1	5	ANT4	DSI4	17.11	17.19	17.20	19.00
1.4	16QAM	3	0	ANT4	DSI4	17.08	17.06	17.14	19.00
1.4	16QAM	3	1	ANT4	DSI4	17.11	17.08	17.13	19.00
1.4	16QAM	3	3	ANT4	DSI4	17.15	17.02	17.03	19.00
1.4	16QAM	6	0	ANT4	DSI4	17.06	17.17	17.07	19.00
1.4	64QAM	1	0	ANT4	DSI4	17.19	17.18	17.07	19.00
1.4	64QAM	1	2	ANT4	DSI4	17.01	17.19	17.08	19.00
1.4	64QAM	1	5	ANT4	DSI4	17.16	17.08	17.05	19.00
1.4	64QAM	3	0	ANT4	DSI4	17.02	17.06	17.06	19.00
1.4	64QAM	3	1	ANT4	DSI4	17.19	17.20	17.00	19.00
1.4	64QAM	3	3	ANT4	DSI4	17.17	17.12	17.14	19.00
1.4	64QAM	6	0	ANT4	DSI4	17.15	17.11	17.06	19.00
1.4	256QAM	1	0	ANT4	DSI4	17.09	17.11	17.17	19.00
1.4	256QAM	1	2	ANT4	DSI4	17.19	17.08	17.18	19.00
1.4	256QAM	1	5	ANT4	DSI4	17.16	17.12	17.16	19.00
1.4	256QAM	3	0	ANT4	DSI4	17.18	17.03	17.03	19.00
1.4	256QAM	3	1	ANT4	DSI4	17.10	17.08	17.20	19.00
1.4	256QAM	3	3	ANT4	DSI4	17.10	17.20	17.02	19.00
1.4	256QAM	6	0	ANT4	DSI4	17.17	17.05	17.18	19.00

Band				LTE Band66(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	131987	132322	132657	Tune-up power(dBm)
3	QPSK	1	0	ANT4	DSI4	17.07	17.10	17.03	19.00
3	QPSK	1	7	ANT4	DSI4	17.02	17.20	17.02	19.00
3	QPSK	1	14	ANT4	DSI4	17.02	17.01	17.20	19.00
3	QPSK	8	0	ANT4	DSI4	17.11	17.15	17.02	19.00
3	QPSK	8	3	ANT4	DSI4	17.18	17.07	17.16	19.00
3	QPSK	8	7	ANT4	DSI4	17.11	17.19	17.11	19.00
3	QPSK	15	0	ANT4	DSI4	17.03	17.05	17.20	19.00
3	16QAM	1	0	ANT4	DSI4	17.17	17.13	17.04	19.00
3	16QAM	1	7	ANT4	DSI4	17.19	17.13	17.06	19.00
3	16QAM	1	14	ANT4	DSI4	17.07	17.19	17.09	19.00
3	16QAM	8	0	ANT4	DSI4	17.05	17.01	17.10	19.00
3	16QAM	8	3	ANT4	DSI4	17.16	17.13	17.05	19.00
3	16QAM	8	7	ANT4	DSI4	17.01	17.12	17.18	19.00
3	16QAM	15	0	ANT4	DSI4	17.14	17.12	17.20	19.00
3	64QAM	1	0	ANT4	DSI4	17.16	17.05	17.17	19.00
3	64QAM	1	7	ANT4	DSI4	17.14	17.01	17.02	19.00
3	64QAM	1	14	ANT4	DSI4	17.13	17.18	17.10	19.00
3	64QAM	8	0	ANT4	DSI4	17.14	17.06	17.20	19.00
3	64QAM	8	3	ANT4	DSI4	17.01	17.09	17.19	19.00
3	64QAM	8	7	ANT4	DSI4	17.15	17.03	17.14	19.00
3	64QAM	15	0	ANT4	DSI4	17.15	17.04	17.02	19.00
3	256QAM	1	0	ANT4	DSI4	17.20	17.06	17.07	19.00
3	256QAM	1	7	ANT4	DSI4	17.11	17.12	17.13	19.00
3	256QAM	1	14	ANT4	DSI4	17.12	17.01	17.14	19.00
3	256QAM	8	0	ANT4	DSI4	17.03	17.05	17.07	19.00
3	256QAM	8	3	ANT4	DSI4	17.17	17.06	17.15	19.00
3	256QAM	8	7	ANT4	DSI4	17.14	17.18	17.11	19.00
3	256QAM	15	0	ANT4	DSI4	17.04	17.20	17.05	19.00

Band				LTE Band66(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	131997	132322	132647	Tune-up power(dBm)
5	QPSK	1	0	ANT4	DSI4	17.14	17.12	17.00	19.00
5	QPSK	1	12	ANT4	DSI4	17.03	17.20	17.14	19.00
5	QPSK	1	24	ANT4	DSI4	17.13	17.17	17.06	19.00
5	QPSK	12	0	ANT4	DSI4	17.06	17.00	17.12	19.00
5	QPSK	12	6	ANT4	DSI4	17.04	17.05	17.02	19.00
5	QPSK	12	13	ANT4	DSI4	17.09	17.02	17.09	19.00
5	QPSK	25	0	ANT4	DSI4	17.07	17.14	17.11	19.00
5	16QAM	1	0	ANT4	DSI4	17.13	17.04	17.20	19.00
5	16QAM	1	12	ANT4	DSI4	17.14	17.05	17.00	19.00
5	16QAM	1	24	ANT4	DSI4	17.15	17.10	17.20	19.00
5	16QAM	12	0	ANT4	DSI4	17.09	17.07	17.19	19.00
5	16QAM	12	6	ANT4	DSI4	17.04	17.18	17.12	19.00
5	16QAM	12	13	ANT4	DSI4	17.03	17.13	17.15	19.00
5	16QAM	25	0	ANT4	DSI4	17.10	17.19	17.09	19.00
5	64QAM	1	0	ANT4	DSI4	17.20	17.11	17.01	19.00
5	64QAM	1	12	ANT4	DSI4	17.20	17.02	17.02	19.00
5	64QAM	1	24	ANT4	DSI4	17.11	17.19	17.17	19.00
5	64QAM	12	0	ANT4	DSI4	17.20	17.18	17.11	19.00
5	64QAM	12	6	ANT4	DSI4	17.14	17.09	17.01	19.00
5	64QAM	12	13	ANT4	DSI4	17.14	17.18	17.19	19.00
5	64QAM	25	0	ANT4	DSI4	17.19	17.19	17.07	19.00
5	256QAM	1	0	ANT4	DSI4	17.14	17.00	17.13	19.00
5	256QAM	1	12	ANT4	DSI4	17.17	17.01	17.19	19.00
5	256QAM	1	24	ANT4	DSI4	17.07	17.03	17.13	19.00
5	256QAM	12	0	ANT4	DSI4	17.09	17.19	17.12	19.00
5	256QAM	12	6	ANT4	DSI4	17.07	17.13	17.19	19.00
5	256QAM	12	13	ANT4	DSI4	17.12	17.07	17.14	19.00
5	256QAM	25	0	ANT4	DSI4	17.17	17.07	17.16	19.00

Band				LTE Band66(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	132022	132322	132622	Tune-up power(dBm)
10	QPSK	1	0	ANT4	DSI4	17.01	17.20	17.02	19.00
10	QPSK	1	24	ANT4	DSI4	17.02	17.06	17.16	19.00
10	QPSK	1	49	ANT4	DSI4	17.17	17.16	17.16	19.00
10	QPSK	25	0	ANT4	DSI4	17.00	17.04	17.20	19.00
10	QPSK	25	12	ANT4	DSI4	17.04	17.10	17.17	19.00
10	QPSK	25	25	ANT4	DSI4	17.19	17.09	17.06	19.00
10	QPSK	50	0	ANT4	DSI4	17.06	17.07	17.19	19.00
10	16QAM	1	0	ANT4	DSI4	17.00	17.11	17.06	19.00
10	16QAM	1	24	ANT4	DSI4	17.01	17.06	17.14	19.00
10	16QAM	1	49	ANT4	DSI4	17.11	17.05	17.06	19.00
10	16QAM	25	0	ANT4	DSI4	17.12	17.18	17.20	19.00
10	16QAM	25	12	ANT4	DSI4	17.11	17.04	17.20	19.00
10	16QAM	25	25	ANT4	DSI4	17.03	17.00	17.03	19.00
10	16QAM	50	0	ANT4	DSI4	17.11	17.10	17.08	19.00
10	64QAM	1	0	ANT4	DSI4	17.04	17.08	17.15	19.00
10	64QAM	1	24	ANT4	DSI4	17.01	17.18	17.10	19.00
10	64QAM	1	49	ANT4	DSI4	17.16	17.07	17.20	19.00
10	64QAM	25	0	ANT4	DSI4	17.14	17.07	17.15	19.00
10	64QAM	25	12	ANT4	DSI4	17.07	17.12	17.01	19.00
10	64QAM	25	25	ANT4	DSI4	17.03	17.08	17.20	19.00
10	64QAM	50	0	ANT4	DSI4	17.12	17.20	17.02	19.00
10	256QAM	1	0	ANT4	DSI4	17.01	17.12	17.07	19.00
10	256QAM	1	24	ANT4	DSI4	17.09	17.19	17.09	19.00
10	256QAM	1	49	ANT4	DSI4	17.03	17.08	17.17	19.00
10	256QAM	25	0	ANT4	DSI4	17.04	17.15	17.18	19.00
10	256QAM	25	12	ANT4	DSI4	17.10	17.15	17.00	19.00
10	256QAM	25	25	ANT4	DSI4	17.12	17.19	17.03	19.00
10	256QAM	50	0	ANT4	DSI4	17.20	17.07	17.10	19.00

Band				LTE Band66(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	132047	132322	132597	Tune-up power(dBm)
15	QPSK	1	0	ANT4	DSI4	17.09	17.15	17.01	19.00
15	QPSK	1	37	ANT4	DSI4	17.10	17.15	17.02	19.00
15	QPSK	1	74	ANT4	DSI4	17.04	17.09	17.16	19.00
15	QPSK	36	0	ANT4	DSI4	17.06	17.19	17.17	19.00
15	QPSK	36	19	ANT4	DSI4	17.16	17.19	17.00	19.00
15	QPSK	36	39	ANT4	DSI4	17.08	17.02	17.06	19.00
15	QPSK	75	0	ANT4	DSI4	17.16	17.10	17.13	19.00
15	16QAM	1	0	ANT4	DSI4	17.14	17.09	17.16	19.00
15	16QAM	1	37	ANT4	DSI4	17.16	17.12	17.01	19.00
15	16QAM	1	74	ANT4	DSI4	17.06	17.20	17.04	19.00
15	16QAM	36	0	ANT4	DSI4	17.02	17.20	17.17	19.00
15	16QAM	36	19	ANT4	DSI4	17.18	17.14	17.16	19.00
15	16QAM	36	39	ANT4	DSI4	17.09	17.18	17.01	19.00
15	16QAM	75	0	ANT4	DSI4	17.02	17.08	17.04	19.00
15	64QAM	1	0	ANT4	DSI4	17.02	17.18	17.11	19.00
15	64QAM	1	37	ANT4	DSI4	17.00	17.04	17.18	19.00
15	64QAM	1	74	ANT4	DSI4	17.09	17.10	17.07	19.00
15	64QAM	36	0	ANT4	DSI4	17.17	17.11	17.15	19.00
15	64QAM	36	19	ANT4	DSI4	17.12	17.01	17.05	19.00
15	64QAM	36	39	ANT4	DSI4	17.05	17.04	17.07	19.00
15	64QAM	75	0	ANT4	DSI4	17.09	17.15	17.00	19.00
15	256QAM	1	0	ANT4	DSI4	17.16	17.03	17.06	19.00
15	256QAM	1	37	ANT4	DSI4	17.00	17.13	17.01	19.00
15	256QAM	1	74	ANT4	DSI4	17.20	17.17	17.14	19.00
15	256QAM	36	0	ANT4	DSI4	17.00	17.12	17.14	19.00
15	256QAM	36	19	ANT4	DSI4	17.20	17.04	17.03	19.00
15	256QAM	36	39	ANT4	DSI4	17.00	17.09	17.04	19.00
15	256QAM	75	0	ANT4	DSI4	17.11	17.09	17.19	19.00

Band				LTE Band66(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	132072	132322	132572	Tune-up power(dBm)
20	QPSK	1	0	ANT4	DSI4	17.18	17.23	17.21	19.00
20	QPSK	1	49	ANT4	DSI4	17.03	17.16	17.01	19.00
20	QPSK	1	99	ANT4	DSI4	17.10	17.10	17.08	19.00
20	QPSK	50	0	ANT4	DSI4	17.03	17.11	17.21	19.00
20	QPSK	50	25	ANT4	DSI4	17.12	17.13	17.13	19.00
20	QPSK	50	50	ANT4	DSI4	17.12	17.02	17.20	19.00
20	QPSK	100	0	ANT4	DSI4	17.18	17.01	17.14	19.00
20	16QAM	1	0	ANT4	DSI4	17.09	17.07	17.14	19.00
20	16QAM	1	49	ANT4	DSI4	17.08	17.17	17.17	19.00
20	16QAM	1	99	ANT4	DSI4	17.00	17.07	17.00	19.00
20	16QAM	50	0	ANT4	DSI4	17.07	17.18	17.08	19.00
20	16QAM	50	25	ANT4	DSI4	17.20	17.05	17.15	19.00
20	16QAM	50	50	ANT4	DSI4	17.11	17.12	17.05	19.00
20	16QAM	100	0	ANT4	DSI4	17.01	17.12	17.08	19.00
20	64QAM	1	0	ANT4	DSI4	17.17	17.06	17.03	19.00
20	64QAM	1	49	ANT4	DSI4	17.19	17.02	17.17	19.00
20	64QAM	1	99	ANT4	DSI4	17.13	17.00	17.13	19.00
20	64QAM	50	0	ANT4	DSI4	17.05	17.04	17.05	19.00
20	64QAM	50	25	ANT4	DSI4	17.01	17.10	17.00	19.00
20	64QAM	50	50	ANT4	DSI4	17.11	17.01	17.06	19.00
20	64QAM	100	0	ANT4	DSI4	17.14	17.14	17.20	19.00
20	256QAM	1	0	ANT4	DSI4	17.03	17.13	17.10	19.00
20	256QAM	1	49	ANT4	DSI4	17.12	17.11	17.09	19.00
20	256QAM	1	99	ANT4	DSI4	17.00	17.04	17.19	19.00
20	256QAM	50	0	ANT4	DSI4	17.11	17.17	17.00	19.00
20	256QAM	50	25	ANT4	DSI4	17.19	17.13	17.10	19.00
20	256QAM	50	50	ANT4	DSI4	17.12	17.20	17.15	19.00
20	256QAM	100	0	ANT4	DSI4	17.13	17.08	17.12	19.00

Band				LTE Band66(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	131979	132322	132665	Tune-up power(dBm)
1.4	QPSK	1	0	ANT4	DSI5&6	17.04	17.08	17.03	17.50
1.4	QPSK	1	2	ANT4	DSI5&6	16.99	17.11	17.04	17.50
1.4	QPSK	1	5	ANT4	DSI5&6	16.98	17.10	16.97	17.50
1.4	QPSK	3	0	ANT4	DSI5&6	17.09	17.03	16.99	17.50
1.4	QPSK	3	1	ANT4	DSI5&6	17.14	16.95	17.13	17.50
1.4	QPSK	3	3	ANT4	DSI5&6	17.14	17.12	17.13	17.50
1.4	QPSK	6	0	ANT4	DSI5&6	17.07	16.97	16.95	17.50
1.4	16QAM	1	0	ANT4	DSI5&6	17.10	17.08	17.04	17.50
1.4	16QAM	1	2	ANT4	DSI5&6	16.96	17.08	17.13	17.50
1.4	16QAM	1	5	ANT4	DSI5&6	17.03	17.00	17.07	17.50
1.4	16QAM	3	0	ANT4	DSI5&6	17.14	17.15	17.03	17.50
1.4	16QAM	3	1	ANT4	DSI5&6	17.10	17.08	17.06	17.50
1.4	16QAM	3	3	ANT4	DSI5&6	16.97	17.02	17.15	17.50
1.4	16QAM	6	0	ANT4	DSI5&6	17.12	17.05	17.06	17.50
1.4	64QAM	1	0	ANT4	DSI5&6	17.13	17.12	17.14	17.50
1.4	64QAM	1	2	ANT4	DSI5&6	16.97	17.01	17.04	17.50
1.4	64QAM	1	5	ANT4	DSI5&6	17.13	17.07	17.10	17.50
1.4	64QAM	3	0	ANT4	DSI5&6	17.08	17.05	17.03	17.50
1.4	64QAM	3	1	ANT4	DSI5&6	17.08	17.03	17.04	17.50
1.4	64QAM	3	3	ANT4	DSI5&6	17.15	17.15	17.13	17.50
1.4	64QAM	6	0	ANT4	DSI5&6	17.05	17.04	17.03	17.50
1.4	256QAM	1	0	ANT4	DSI5&6	17.10	17.14	17.01	17.50
1.4	256QAM	1	2	ANT4	DSI5&6	16.96	17.07	16.97	17.50
1.4	256QAM	1	5	ANT4	DSI5&6	17.09	17.11	17.10	17.50
1.4	256QAM	3	0	ANT4	DSI5&6	17.09	16.97	17.13	17.50
1.4	256QAM	3	1	ANT4	DSI5&6	17.09	17.13	17.14	17.50
1.4	256QAM	3	3	ANT4	DSI5&6	17.14	17.01	17.10	17.50
1.4	256QAM	6	0	ANT4	DSI5&6	16.99	16.96	17.10	17.50

Band				LTE Band66(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	131987	132322	132657	Tune-up power(dBm)
3	QPSK	1	0	ANT4	DSI5&6	17.04	16.98	17.06	17.50
3	QPSK	1	7	ANT4	DSI5&6	17.05	17.09	17.10	17.50
3	QPSK	1	14	ANT4	DSI5&6	17.07	17.12	17.02	17.50
3	QPSK	8	0	ANT4	DSI5&6	16.98	17.03	17.02	17.50
3	QPSK	8	3	ANT4	DSI5&6	17.00	17.02	17.11	17.50
3	QPSK	8	7	ANT4	DSI5&6	17.13	17.14	17.00	17.50
3	QPSK	15	0	ANT4	DSI5&6	17.09	17.02	16.96	17.50
3	16QAM	1	0	ANT4	DSI5&6	17.04	17.06	16.99	17.50
3	16QAM	1	7	ANT4	DSI5&6	17.00	17.13	17.00	17.50
3	16QAM	1	14	ANT4	DSI5&6	17.02	16.97	17.00	17.50
3	16QAM	8	0	ANT4	DSI5&6	17.09	17.13	17.09	17.50
3	16QAM	8	3	ANT4	DSI5&6	17.01	17.04	17.02	17.50
3	16QAM	8	7	ANT4	DSI5&6	17.12	16.99	17.09	17.50
3	16QAM	15	0	ANT4	DSI5&6	17.11	17.09	16.97	17.50
3	64QAM	1	0	ANT4	DSI5&6	17.03	17.10	16.96	17.50
3	64QAM	1	7	ANT4	DSI5&6	17.14	17.06	17.12	17.50
3	64QAM	1	14	ANT4	DSI5&6	16.95	17.02	16.95	17.50
3	64QAM	8	0	ANT4	DSI5&6	17.12	17.06	16.99	17.50
3	64QAM	8	3	ANT4	DSI5&6	16.95	17.05	17.12	17.50
3	64QAM	8	7	ANT4	DSI5&6	17.02	16.97	17.01	17.50
3	64QAM	15	0	ANT4	DSI5&6	17.02	16.97	17.03	17.50
3	256QAM	1	0	ANT4	DSI5&6	17.15	17.14	17.03	17.50
3	256QAM	1	7	ANT4	DSI5&6	17.13	17.10	17.06	17.50
3	256QAM	1	14	ANT4	DSI5&6	17.01	17.02	17.05	17.50
3	256QAM	8	0	ANT4	DSI5&6	17.07	17.04	17.15	17.50
3	256QAM	8	3	ANT4	DSI5&6	17.13	17.08	17.01	17.50
3	256QAM	8	7	ANT4	DSI5&6	17.03	16.99	17.09	17.50
3	256QAM	15	0	ANT4	DSI5&6	16.98	17.07	16.99	17.50

Band				LTE Band66(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	131997	132322	132647	Tune-up power(dBm)
5	QPSK	1	0	ANT4	DSI5&6	16.99	17.14	17.01	17.50
5	QPSK	1	12	ANT4	DSI5&6	17.04	17.12	16.99	17.50
5	QPSK	1	24	ANT4	DSI5&6	17.03	17.09	17.14	17.50
5	QPSK	12	0	ANT4	DSI5&6	17.04	16.98	17.05	17.50
5	QPSK	12	6	ANT4	DSI5&6	17.04	17.13	17.02	17.50
5	QPSK	12	13	ANT4	DSI5&6	17.02	17.12	17.12	17.50
5	QPSK	25	0	ANT4	DSI5&6	17.01	17.00	16.95	17.50
5	16QAM	1	0	ANT4	DSI5&6	17.03	16.97	17.15	17.50
5	16QAM	1	12	ANT4	DSI5&6	16.98	17.07	17.03	17.50
5	16QAM	1	24	ANT4	DSI5&6	16.96	17.04	17.13	17.50
5	16QAM	12	0	ANT4	DSI5&6	17.13	17.01	17.02	17.50
5	16QAM	12	6	ANT4	DSI5&6	17.11	17.14	17.11	17.50
5	16QAM	12	13	ANT4	DSI5&6	17.00	17.05	17.12	17.50
5	16QAM	25	0	ANT4	DSI5&6	17.09	17.00	16.99	17.50
5	64QAM	1	0	ANT4	DSI5&6	17.08	16.96	16.97	17.50
5	64QAM	1	12	ANT4	DSI5&6	17.14	17.14	17.12	17.50
5	64QAM	1	24	ANT4	DSI5&6	17.02	17.13	17.01	17.50
5	64QAM	12	0	ANT4	DSI5&6	17.12	16.95	16.99	17.50
5	64QAM	12	6	ANT4	DSI5&6	17.13	17.02	17.13	17.50
5	64QAM	12	13	ANT4	DSI5&6	17.12	17.08	17.02	17.50
5	64QAM	25	0	ANT4	DSI5&6	16.98	17.11	16.96	17.50
5	256QAM	1	0	ANT4	DSI5&6	16.96	17.10	16.95	17.50
5	256QAM	1	12	ANT4	DSI5&6	16.97	17.08	17.01	17.50
5	256QAM	1	24	ANT4	DSI5&6	17.06	17.07	17.12	17.50
5	256QAM	12	0	ANT4	DSI5&6	17.06	17.00	16.98	17.50
5	256QAM	12	6	ANT4	DSI5&6	17.10	16.95	16.97	17.50
5	256QAM	12	13	ANT4	DSI5&6	17.03	16.96	17.00	17.50
5	256QAM	25	0	ANT4	DSI5&6	17.07	17.15	16.96	17.50

Band				LTE Band66(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	132022	132322	132622	Tune-up power(dBm)
10	QPSK	1	0	ANT4	DSI5&6	17.10	17.13	17.05	17.50
10	QPSK	1	24	ANT4	DSI5&6	17.10	17.07	17.13	17.50
10	QPSK	1	49	ANT4	DSI5&6	17.01	17.07	17.02	17.50
10	QPSK	25	0	ANT4	DSI5&6	16.98	17.00	16.97	17.50
10	QPSK	25	12	ANT4	DSI5&6	16.97	17.08	17.09	17.50
10	QPSK	25	25	ANT4	DSI5&6	16.97	17.06	17.15	17.50
10	QPSK	50	0	ANT4	DSI5&6	17.06	17.03	17.15	17.50
10	16QAM	1	0	ANT4	DSI5&6	16.99	17.15	17.11	17.50
10	16QAM	1	24	ANT4	DSI5&6	17.04	17.11	16.99	17.50
10	16QAM	1	49	ANT4	DSI5&6	17.10	17.11	17.11	17.50
10	16QAM	25	0	ANT4	DSI5&6	17.06	17.11	16.95	17.50
10	16QAM	25	12	ANT4	DSI5&6	17.01	17.06	17.06	17.50
10	16QAM	25	25	ANT4	DSI5&6	17.01	17.10	17.12	17.50
10	16QAM	50	0	ANT4	DSI5&6	16.95	17.00	17.15	17.50
10	64QAM	1	0	ANT4	DSI5&6	17.09	17.15	17.10	17.50
10	64QAM	1	24	ANT4	DSI5&6	16.96	17.01	17.08	17.50
10	64QAM	1	49	ANT4	DSI5&6	17.03	17.14	16.98	17.50
10	64QAM	25	0	ANT4	DSI5&6	17.04	17.11	17.11	17.50
10	64QAM	25	12	ANT4	DSI5&6	17.14	17.02	16.95	17.50
10	64QAM	25	25	ANT4	DSI5&6	16.98	17.06	17.03	17.50
10	64QAM	50	0	ANT4	DSI5&6	17.09	16.97	16.95	17.50
10	256QAM	1	0	ANT4	DSI5&6	17.08	16.98	16.98	17.50
10	256QAM	1	24	ANT4	DSI5&6	17.04	17.01	17.00	17.50
10	256QAM	1	49	ANT4	DSI5&6	17.00	16.96	17.14	17.50
10	256QAM	25	0	ANT4	DSI5&6	17.06	17.02	17.12	17.50
10	256QAM	25	12	ANT4	DSI5&6	17.08	17.12	17.06	17.50
10	256QAM	25	25	ANT4	DSI5&6	17.13	17.02	17.04	17.50
10	256QAM	50	0	ANT4	DSI5&6	17.12	17.03	17.02	17.50

Band				LTE Band66(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	132047	132322	132597	Tune-up power(dBm)
15	QPSK	1	0	ANT4	DSI5&6	17.03	17.13	17.03	17.50
15	QPSK	1	37	ANT4	DSI5&6	17.13	17.15	17.09	17.50
15	QPSK	1	74	ANT4	DSI5&6	16.96	17.10	17.04	17.50
15	QPSK	36	0	ANT4	DSI5&6	17.00	17.03	17.11	17.50
15	QPSK	36	19	ANT4	DSI5&6	16.95	17.06	17.02	17.50
15	QPSK	36	39	ANT4	DSI5&6	17.02	17.05	17.12	17.50
15	QPSK	75	0	ANT4	DSI5&6	16.99	17.15	17.14	17.50
15	16QAM	1	0	ANT4	DSI5&6	17.11	16.95	17.02	17.50
15	16QAM	1	37	ANT4	DSI5&6	17.15	17.03	17.10	17.50
15	16QAM	1	74	ANT4	DSI5&6	17.01	17.01	17.13	17.50
15	16QAM	36	0	ANT4	DSI5&6	16.97	17.14	17.12	17.50
15	16QAM	36	19	ANT4	DSI5&6	17.02	17.09	17.06	17.50
15	16QAM	36	39	ANT4	DSI5&6	17.01	17.08	17.03	17.50
15	16QAM	75	0	ANT4	DSI5&6	17.14	16.95	17.12	17.50
15	64QAM	1	0	ANT4	DSI5&6	17.06	17.02	17.14	17.50
15	64QAM	1	37	ANT4	DSI5&6	17.03	16.96	16.96	17.50
15	64QAM	1	74	ANT4	DSI5&6	17.07	17.09	17.15	17.50
15	64QAM	36	0	ANT4	DSI5&6	17.08	16.97	17.13	17.50
15	64QAM	36	19	ANT4	DSI5&6	16.97	17.08	17.00	17.50
15	64QAM	36	39	ANT4	DSI5&6	17.07	16.97	17.15	17.50
15	64QAM	75	0	ANT4	DSI5&6	17.08	17.02	16.96	17.50
15	256QAM	1	0	ANT4	DSI5&6	16.96	16.98	16.96	17.50
15	256QAM	1	37	ANT4	DSI5&6	17.14	17.06	17.00	17.50
15	256QAM	1	74	ANT4	DSI5&6	17.02	17.02	17.07	17.50
15	256QAM	36	0	ANT4	DSI5&6	17.15	16.97	17.01	17.50
15	256QAM	36	19	ANT4	DSI5&6	17.02	17.00	17.08	17.50
15	256QAM	36	39	ANT4	DSI5&6	17.04	16.96	16.97	17.50
15	256QAM	75	0	ANT4	DSI5&6	17.02	17.01	17.07	17.50

Band				LTE Band66(ULCA)					
Bandwidth (MHz)	Modulation	RB Size	RB offset	ANT	DSI State	132072	132322	132572	Tune-up power(dBm)
20	QPSK	1	0	ANT4	DSI5&6	17.06	16.96	16.96	17.50
20	QPSK	1	49	ANT4	DSI5&6	17.01	17.07	17.14	17.50
20	QPSK	1	99	ANT4	DSI5&6	17.09	17.09	17.10	17.50
20	QPSK	50	0	ANT4	DSI5&6	17.07	16.97	17.11	17.50
20	QPSK	50	25	ANT4	DSI5&6	17.04	17.02	17.01	17.50
20	QPSK	50	50	ANT4	DSI5&6	17.15	17.08	17.12	17.50
20	QPSK	100	0	ANT4	DSI5&6	17.11	17.00	16.98	17.50
20	16QAM	1	0	ANT4	DSI5&6	17.13	17.12	17.00	17.50
20	16QAM	1	49	ANT4	DSI5&6	17.13	17.12	17.06	17.50
20	16QAM	1	99	ANT4	DSI5&6	17.15	17.04	17.06	17.50
20	16QAM	50	0	ANT4	DSI5&6	17.08	17.06	16.97	17.50
20	16QAM	50	25	ANT4	DSI5&6	16.99	17.13	17.01	17.50
20	16QAM	50	50	ANT4	DSI5&6	17.04	17.14	16.99	17.50
20	16QAM	100	0	ANT4	DSI5&6	17.05	17.15	17.10	17.50
20	64QAM	1	0	ANT4	DSI5&6	17.15	17.09	17.03	17.50
20	64QAM	1	49	ANT4	DSI5&6	17.06	17.12	17.13	17.50
20	64QAM	1	99	ANT4	DSI5&6	17.12	17.04	17.13	17.50
20	64QAM	50	0	ANT4	DSI5&6	17.12	17.12	17.09	17.50
20	64QAM	50	25	ANT4	DSI5&6	17.14	17.11	17.05	17.50
20	64QAM	50	50	ANT4	DSI5&6	17.06	17.00	17.07	17.50
20	64QAM	100	0	ANT4	DSI5&6	17.10	16.98	16.95	17.50
20	256QAM	1	0	ANT4	DSI5&6	17.05	17.13	16.97	17.50
20	256QAM	1	49	ANT4	DSI5&6	17.13	17.14	17.12	17.50
20	256QAM	1	99	ANT4	DSI5&6	17.15	16.95	17.08	17.50
20	256QAM	50	0	ANT4	DSI5&6	17.04	17.12	17.14	17.50
20	256QAM	50	25	ANT4	DSI5&6	17.06	17.07	17.15	17.50
20	256QAM	50	50	ANT4	DSI5&6	17.02	17.07	16.97	17.50
20	256QAM	100	0	ANT4	DSI5&6	17.05	17.05	17.00	17.50

N2-ANT0 Full Power&DSI4&5&6(ULCA)							
Bandwidth (MHz)	Modulation	Channel		370500	376000	381500	Tune-up power(dBm)
		RB Size	RB offset	1852.5	1880	1907.5	
5	DFT-s-OFDM BPSK	1	1	24.10	24.11	24.33	24.50
Bandwidth (MHz)	Modulation	Channel		371000	376000	381000	Tune-up power(dBm)
		RB Size	RB offset	1855	1880	1905	
10	DFT-s-OFDM BPSK	1	1	23.97	24.16	24.32	24.50
Bandwidth (MHz)	Modulation	Channel		371500	376000	380500	Tune-up power(dBm)
		RB Size	RB offset	1857.5	1880	1902.5	
15	DFT-s-OFDM BPSK	1	1	23.99	23.88	24.21	24.50
Bandwidth (MHz)	Modulation	Channel		372000	376000	380000	Tune-up power(dBm)
		RB Size	RB offset	1860	1880	1900	
20	DFT-s-OFDM BPSK	1	1	23.81	23.94	23.89	24.50
		1	53	23.74	23.81	23.99	24.50
		1	104	23.73	23.85	24.02	24.50
		50	0	23.35	23.29	23.29	24.00
	DFT-s-OFDM BPSK	50	28	23.61	23.73	23.55	24.50
		50	56	23.25	23.28	23.47	24.00
		100	0	23.19	23.33	23.15	24.00
	DFT-s-OFDM QPSK	1	1	23.96	24.01	24.13	24.50
		1	53	23.95	24.09	24.29	24.50
		1	104	24.08	23.94	23.79	24.50
		50	0	22.98	22.78	22.63	23.50
	DFT-s-OFDM QPSK	50	28	23.68	23.79	23.95	24.50
		50	56	22.80	22.66	22.62	23.50
		100	0	22.75	22.69	22.67	23.50
	DFT-s-OFDM 16QAM	1	1	23.05	22.97	22.78	23.50
	DFT-s-OFDM 64QAM	1	1	21.30	21.20	21.22	22.00
	DFT-s-OFDM 256QAM	1	1	19.18	19.37	19.45	20.00
	CP-OFDM QPSK	1	1	22.26	22.32	22.39	23.00
	CP-OFDM 16QAM	1	1	22.06	22.08	22.11	22.50
	CP-OFDM 64QAM	1	1	20.25	20.12	19.97	21.00
	CP-OFDM 256QAM	1	1	17.14	17.11	17.21	18.00

N2-ANT0 DSI1&2(ULCA)							
Bandwidth (MHz)	Modulation	Channel		370500	376000	381500	Tune-up power(dBm)
		RB Size	RB offset	1852.5	1880	1907.5	
5	DFT-s-OFDM BPSK	1	1	22.24	22.16	22.36	22.50
Bandwidth (MHz)	Modulation	Channel		371000	376000	381000	Tune-up power(dBm)
		RB Size	RB offset	1855	1880	1905	
10	DFT-s-OFDM BPSK	1	1	22.18	22.08	22.21	22.50
Bandwidth (MHz)	Modulation	Channel		371500	376000	380500	Tune-up power(dBm)
		RB Size	RB offset	1857.5	1880	1902.5	
15	DFT-s-OFDM BPSK	1	1	22.10	22.01	22.15	22.50
Bandwidth (MHz)	Modulation	Channel		372000	376000	380000	Tune-up power(dBm)
		RB Size	RB offset	1860	1880	1900	
20	DFT-s-OFDM BPSK	1	1	22.16	22.07	22.05	22.50
		1	53	22.09	22.01	22.09	22.50
		1	104	22.12	22.08	22.09	22.50
		50	0	22.13	22.04	22.01	22.50
	DFT-s-OFDM BPSK	50	28	22.13	21.98	22.02	22.50
		50	56	21.84	22.00	22.19	22.50
		100	0	22.16	22.02	22.07	22.50
	DFT-s-OFDM QPSK	1	1	22.06	22.12	22.31	22.50
		1	53	22.32	22.15	22.33	22.50
		1	104	21.91	22.10	21.95	22.50
	DFT-s-OFDM QPSK	50	0	22.12	22.10	21.96	22.50
		50	28	22.05	22.11	22.27	22.50
		50	56	21.91	22.05	22.03	22.50
	DFT-s-OFDM QPSK	100	0	22.05	22.12	22.04	22.50
	DFT-s-OFDM 16QAM	1	1	22.07	21.96	21.94	22.50
	DFT-s-OFDM 64QAM	1	1	21.21	21.15	21.18	22.00
	DFT-s-OFDM 256QAM	1	1	19.45	19.34	19.19	20.00
	CP-OFDM QPSK	1	1	22.17	22.07	22.01	22.50
	CP-OFDM 16QAM	1	1	21.61	21.46	21.45	22.50
	CP-OFDM 64QAM	1	1	19.79	19.68	19.69	21.00
	CP-OFDM 256QAM	1	1	16.86	16.98	17.14	18.00

N2-ANT0 DSI3(ULCA)							
Bandwidth (MHz)	Modulation	Channel		370500	376000	381500	Tune-up power(dBm)
		RB Size	RB offset	1852.5	1880	1907.5	
5	DFT-s-OFDM BPSK	1	1	22.90	22.78	22.61	23.00
Bandwidth (MHz)	Modulation	Channel		371000	376000	381000	Tune-up power(dBm)
		RB Size	RB offset	1855	1880	1905	
10	DFT-s-OFDM BPSK	1	1	22.86	22.84	22.32	23.00
Bandwidth (MHz)	Modulation	Channel		371500	376000	380500	Tune-up power(dBm)
		RB Size	RB offset	1857.5	1880	1902.5	
15	DFT-s-OFDM BPSK	1	1	22.52	22.73	22.38	23.00
Bandwidth (MHz)	Modulation	Channel		372000	376000	380000	Tune-up power(dBm)
		RB Size	RB offset	1860	1880	1900	
20	DFT-s-OFDM BPSK	1	1	22.16	22.60	22.05	23.00
		1	53	22.09	22.59	22.09	23.00
		1	104	22.12	22.54	22.09	23.00
		50	0	22.62	22.55	22.64	23.00
	DFT-s-OFDM BPSK	50	28	22.55	22.55	22.75	23.00
		50	56	22.51	22.55	22.47	23.00
		100	0	22.70	22.55	22.49	23.00
	DFT-s-OFDM QPSK	1	1	22.71	22.64	22.52	23.00
		1	53	22.41	22.58	22.55	23.00
		1	104	22.66	22.54	22.50	23.00
		50	0	22.69	22.51	22.55	23.00
	DFT-s-OFDM QPSK	50	28	22.58	22.55	22.57	23.00
		50	56	22.52	22.60	22.67	23.00
		100	0	22.53	22.54	22.68	23.00
	DFT-s-OFDM 16QAM	1	1	22.70	22.83	22.92	23.00
	DFT-s-OFDM 64QAM	1	1	21.02	21.16	21.25	22.00
	DFT-s-OFDM 256QAM	1	1	19.03	19.02	19.14	20.00
	CP-OFDM QPSK	1	1	21.95	22.08	21.90	23.00
	CP-OFDM 16QAM	1	1	22.24	22.23	22.03	22.50
	CP-OFDM 64QAM	1	1	19.63	19.66	19.67	21.00
	CP-OFDM 256QAM	1	1	16.85	17.04	16.98	18.00

N2-ANT4 Full Power(ULCA)							
Bandwidth (MHz)	Modulation	Channel		370500	376000	381500	Tune-up power(dBm)
		RB Size	RB offset	1852.5	1880	1907.5	
5	DFT-s-OFDM BPSK	1	1	23.72	23.95	24.01	24.50
Bandwidth (MHz)	Modulation	Channel		371000	376000	381000	Tune-up power(dBm)
		RB Size	RB offset	1855	1880	1905	
10	DFT-s-OFDM BPSK	1	1	23.80	24.00	24.06	24.50
Bandwidth (MHz)	Modulation	Channel		371500	376000	380500	Tune-up power(dBm)
		RB Size	RB offset	1857.5	1880	1902.5	
15	DFT-s-OFDM BPSK	1	1	23.96	23.84	23.98	24.50
Bandwidth (MHz)	Modulation	Channel		372000	376000	380000	Tune-up power(dBm)
		RB Size	RB offset	1860	1880	1900	
20	DFT-s-OFDM BPSK	1	1	23.84	23.88	23.88	24.50
		1	53	23.96	23.90	23.98	24.50
		1	104	23.96	23.91	24.08	24.50
		50	0	23.28	23.44	23.59	24.00
	DFT-s-OFDM BPSK	50	28	23.89	23.94	24.04	24.50
		50	56	23.21	23.40	23.29	24.00
		100	0	23.46	23.41	23.53	24.00
	DFT-s-OFDM QPSK	1	1	23.92	24.02	23.87	24.50
		1	53	24.30	24.13	24.09	24.50
		1	104	24.10	23.97	24.07	24.50
		50	0	22.78	22.91	22.84	23.50
	DFT-s-OFDM QPSK	50	28	23.79	23.81	23.85	24.50
		50	56	22.74	22.92	22.98	23.50
		100	0	22.82	22.82	22.63	23.50
	DFT-s-OFDM 16QAM	1	1	23.10	22.96	23.15	23.50
	DFT-s-OFDM 64QAM	1	1	21.39	21.46	21.63	22.00
	DFT-s-OFDM 256QAM	1	1	19.82	19.71	19.62	20.00
	CP-OFDM QPSK	1	1	22.27	22.33	22.13	23.00
	CP-OFDM 16QAM	1	1	22.14	22.01	22.20	22.50
	CP-OFDM 64QAM	1	1	20.41	20.40	20.31	21.00
	CP-OFDM 256QAM	1	1	17.38	17.45	17.58	18.00

N2-ANT4 DSI1&2(ULCA)							
Bandwidth (MHz)	Modulation	Channel		370500	376000	381500	Tune-up power(dBm)
		RB Size	RB offset	1852.5	1880	1907.5	
5	DFT-s-OFDM BPSK	1	1	21.55	21.46	21.65	22.00
Bandwidth (MHz)	Modulation	Channel		371000	376000	381000	Tune-up power(dBm)
		RB Size	RB offset	1855	1880	1905	
10	DFT-s-OFDM BPSK	1	1	21.75	21.54	21.77	22.00
Bandwidth (MHz)	Modulation	Channel		371500	376000	380500	Tune-up power(dBm)
		RB Size	RB offset	1857.5	1880	1902.5	
15	DFT-s-OFDM BPSK	1	1	21.78	21.50	21.70	22.00
Bandwidth (MHz)	Modulation	Channel		372000	376000	380000	Tune-up power(dBm)
		RB Size	RB offset	1860	1880	1900	
20	DFT-s-OFDM BPSK	1	1	21.51	21.31	21.46	22.00
		1	53	21.53	21.32	21.50	22.00
		1	104	21.51	21.35	21.54	22.00
		50	0	21.39	21.30	21.42	22.00
	DFT-s-OFDM BPSK	50	28	21.47	21.34	21.38	22.00
		50	56	21.52	21.34	21.71	22.00
		100	0	21.57	21.32	21.60	22.00
	DFT-s-OFDM QPSK	1	1	21.60	21.35	21.75	22.00
		1	53	21.71	21.33	21.49	22.00
		1	104	21.53	21.34	21.47	22.00
		50	0	21.45	21.33	21.55	22.00
	DFT-s-OFDM QPSK	50	28	21.55	21.30	21.35	22.00
		50	56	21.47	21.34	21.52	22.00
		100	0	21.37	21.32	21.50	22.00
	DFT-s-OFDM 16QAM	1	1	21.59	21.68	21.82	22.00
	DFT-s-OFDM 64QAM	1	1	21.11	21.30	21.20	22.00
	DFT-s-OFDM 256QAM	1	1	19.50	19.58	19.60	20.00
	CP-OFDM QPSK	1	1	21.46	21.42	21.50	22.00
	CP-OFDM 16QAM	1	1	21.71	21.80	21.77	22.00
	CP-OFDM 64QAM	1	1	20.30	20.16	20.25	21.00
	CP-OFDM 256QAM	1	1	17.36	17.39	17.24	18.00

N2-ANT4 DSI3(ULCA)							
Bandwidth (MHz)	Modulation	Channel		370500	376000	381500	Tune-up power(dBm)
		RB Size	RB offset	1852.5	1880	1907.5	
5	DFT-s-OFDM BPSK	1	1	18.33	18.19	18.55	19.50
Bandwidth (MHz)	Modulation	Channel		371000	376000	381000	Tune-up power(dBm)
		RB Size	RB offset	1855	1880	1905	
10	DFT-s-OFDM BPSK	1	1	18.64	18.27	18.71	19.50
Bandwidth (MHz)	Modulation	Channel		371500	376000	380500	Tune-up power(dBm)
		RB Size	RB offset	1857.5	1880	1902.5	
15	DFT-s-OFDM BPSK	1	1	18.62	18.32	18.64	19.50
Bandwidth (MHz)	Modulation	Channel		372000	376000	380000	Tune-up power(dBm)
		RB Size	RB offset	1860	1880	1900	
20	DFT-s-OFDM BPSK	1	1	18.53	18.29	18.52	19.50
		1	53	18.46	18.26	18.45	19.50
		1	104	18.41	18.24	18.49	19.50
		50	0	18.50	18.28	18.66	19.50
	DFT-s-OFDM BPSK	50	28	18.33	18.28	18.32	19.50
		50	56	18.30	18.28	18.68	19.50
		100	0	18.52	18.24	18.32	19.50
	DFT-s-OFDM QPSK	1	1	18.52	18.32	18.64	19.50
		1	53	18.41	18.20	18.58	19.50
		1	104	18.44	18.23	18.24	19.50
		50	0	18.33	18.23	18.50	19.50
	DFT-s-OFDM QPSK	50	28	18.26	18.26	18.54	19.50
		50	56	18.53	18.24	18.51	19.50
		100	0	18.65	18.27	18.66	19.50
	DFT-s-OFDM 16QAM	1	1	18.44	18.56	18.54	19.50
	DFT-s-OFDM 64QAM	1	1	18.32	18.23	18.30	19.50
	DFT-s-OFDM 256QAM	1	1	18.60	18.53	18.69	19.50
	CP-OFDM QPSK	1	1	18.41	18.34	18.33	19.50
	CP-OFDM 16QAM	1	1	18.49	18.64	18.82	19.50
	CP-OFDM 64QAM	1	1	18.16	18.11	17.97	19.50
	CP-OFDM 256QAM	1	1	17.25	17.38	17.47	18.00

N2-ANT4 DSI4(ULCA)							
Bandwidth (MHz)	Modulation	Channel		370500	376000	381500	Tune-up power(dBm)
		RB Size	RB offset	1852.5	1880	1907.5	
5	DFT-s-OFDM BPSK	1	1	17.19	17.12	17.11	18.50
Bandwidth (MHz)	Modulation	Channel		371000	376000	381000	Tune-up power(dBm)
		RB Size	RB offset	1855	1880	1905	
10	DFT-s-OFDM BPSK	1	1	17.06	17.15	17.08	18.50
Bandwidth (MHz)	Modulation	Channel		371500	376000	380500	Tune-up power(dBm)
		RB Size	RB offset	1857.5	1880	1902.5	
15	DFT-s-OFDM BPSK	1	1	17.06	17.12	17.13	18.50
Bandwidth (MHz)	Modulation	Channel		372000	376000	380000	Tune-up power(dBm)
		RB Size	RB offset	1860	1880	1900	
20	DFT-s-OFDM BPSK	1	1	16.88	16.99	17.19	18.50
		1	53	17.13	17.01	16.86	18.50
		1	104	17.11	17.11	17.27	18.50
	DFT-s-OFDM BPSK	50	0	16.92	17.05	16.95	18.50
		50	28	17.16	17.17	17.08	18.50
		50	56	17.16	16.97	17.07	18.50
	DFT-s-OFDM BPSK	100	0	17.11	16.92	16.80	18.50
		1	1	17.00	16.95	17.10	18.50
	DFT-s-OFDM QPSK	1	53	16.81	17.00	16.90	18.50
		1	104	17.29	17.15	17.03	18.50
	DFT-s-OFDM QPSK	50	0	16.92	17.03	16.90	18.50
		50	28	17.24	17.09	17.18	18.50
		50	56	16.96	16.94	16.78	18.50
	DFT-s-OFDM QPSK	100	0	16.79	16.88	16.93	18.50
	DFT-s-OFDM 16QAM	1	1	17.27	17.14	17.20	18.50
	DFT-s-OFDM 64QAM	1	1	16.78	16.93	16.77	18.50
	DFT-s-OFDM 256QAM	1	1	17.17	17.31	17.35	18.50
	CP-OFDM QPSK	1	1	17.23	17.23	17.14	18.50
	CP-OFDM 16QAM	1	1	17.00	17.07	17.26	18.50
	CP-OFDM 64QAM	1	1	17.17	17.04	16.90	18.50
	CP-OFDM 256QAM	1	1	16.91	16.94	16.89	18.00

N2-ANT4 DSI5&6(ULCA)							
Bandwidth (MHz)	Modulation	Channel		370500	376000	381500	Tune-up power(dBm)
		RB Size	RB offset	1852.5	1880	1907.5	
5	DFT-s-OFDM BPSK	1	1	15.01	15.33	14.99	16.50
Bandwidth (MHz)	Modulation	Channel		371000	376000	381000	Tune-up power(dBm)
		RB Size	RB offset	1855	1880	1905	
10	DFT-s-OFDM BPSK	1	1	15.01	15.25	15.25	16.50
Bandwidth (MHz)	Modulation	Channel		371500	376000	380500	Tune-up power(dBm)
		RB Size	RB offset	1857.5	1880	1902.5	
15	DFT-s-OFDM BPSK	1	1	15.21	15.03	15.20	16.50
Bandwidth (MHz)	Modulation	Channel		372000	376000	380000	Tune-up power(dBm)
		RB Size	RB offset	1860	1880	1900	
20	DFT-s-OFDM BPSK	1	1	15.15	14.99	14.94	16.50
		1	53	15.02	15.01	14.81	16.50
		1	104	15.05	14.96	14.77	16.50
		50	0	14.97	15.02	14.82	16.50
	DFT-s-OFDM BPSK	50	28	14.97	15.00	15.19	16.50
		50	56	15.09	14.92	15.10	16.50
		100	0	15.11	15.15	15.26	16.50
	DFT-s-OFDM QPSK	1	1	14.92	14.93	14.77	16.50
		1	53	14.97	14.86	14.97	16.50
		1	104	15.03	14.90	15.04	16.50
		50	0	14.82	14.97	14.88	16.50
	DFT-s-OFDM QPSK	50	28	15.17	14.97	14.99	16.50
		50	56	14.65	14.80	14.96	16.50
		100	0	15.21	15.16	15.12	16.50
	DFT-s-OFDM 16QAM	1	1	15.23	15.16	15.22	16.50
	DFT-s-OFDM 64QAM	1	1	15.06	14.96	15.02	16.50
	DFT-s-OFDM 256QAM	1	1	15.15	15.28	15.13	16.50
	CP-OFDM QPSK	1	1	15.31	15.22	15.11	16.50
	CP-OFDM 16QAM	1	1	15.20	15.03	15.06	16.50
	CP-OFDM 64QAM	1	1	15.02	15.03	15.11	16.50
	CP-OFDM 256QAM	1	1	14.93	14.88	15.06	16.50

N5-ANT0 Full Power&DSI1&2&3&4&5&6(ULCA)							
Bandwidth (MHz)	Modulation	Channel		165300	167300	169300	Tune-up power(dBm)
		RB Size	RB offset	826.5	836.5	846.5	
5	DFT-s-OFDM BPSK	1	1	24.91	24.96	24.91	25.00
Bandwidth (MHz)	Modulation	Channel		165800	167300	168800	Tune-up power(dBm)
		RB Size	RB offset	829	836.5	844	
10	DFT-s-OFDM BPSK	1	1	24.92	24.97	24.93	25.00
Bandwidth (MHz)	Modulation	Channel		166300	167300	168300	Tune-up power(dBm)
		RB Size	RB offset	831.5	836.5	841.5	
15	DFT-s-OFDM BPSK	1	1	24.91	24.97	24.95	25.00
Bandwidth (MHz)	Modulation	Channel		166800	167300	167800	Tune-up power(dBm)
		RB Size	RB offset	834	836.5	839	
20	DFT-s-OFDM BPSK	1	1	24.95	24.98	24.96	25.00
		1	67	24.38	24.44	24.42	25.00
		1	131	24.83	24.82	24.84	25.00
	DFT-s-OFDM BPSK	64	0	24.19	24.15	24.11	24.50
		64	35	24.66	24.70	24.65	25.00
		64	69	24.36	24.34	24.35	24.50
	DFT-s-OFDM BPSK	128	0	24.02	24.09	24.03	24.50
		1	1	24.59	24.59	24.6	25.00
		1	67	24.29	24.39	24.38	25.00
	DFT-s-OFDM QPSK	1	131	24.82	24.87	24.89	25.00
		64	0	23.64	23.65	23.65	24.00
		64	35	24.61	24.59	24.52	25.00
	DFT-s-OFDM QPSK	64	69	23.8	23.82	23.79	24.00
		128	0	23.66	23.65	23.64	24.00
	DFT-s-OFDM 16QAM	1	1	23.56	23.58	23.57	24.00
	DFT-s-OFDM 64QAM	1	1	22.2	22.26	22.25	22.50
	DFT-s-OFDM 256QAM	1	1	20.36	20.38	20.32	20.50
	CP-OFDM QPSK	1	1	23.33	23.38	23.3	23.50
	CP-OFDM 16QAM	1	1	22.76	22.78	22.73	23.00
	CP-OFDM 64QAM	1	1	21.28	21.24	21.27	21.50
	CP-OFDM 256QAM	1	1	18.37	18.38	18.31	18.50

N66-ANT0 Full Power&DSI4&5&6(ULCA)							
Bandwidth (MHz)	Modulation	Channel		342500	349000	355500	Tune-up power(dBm)
		RB Size	RB offset	1712.5	1745	1777.5	
5	DFT-s-OFDM BPSK	1	1	23.69	23.92	24.03	24.50
Bandwidth (MHz)	Modulation	Channel		343000	349000	355000	Tune-up power(dBm)
		RB Size	RB offset	1715	1745	1775	
10	DFT-s-OFDM BPSK	1	1	23.67	23.91	24.06	24.50
Bandwidth (MHz)	Modulation	Channel		343500	349000	354500	Tune-up power(dBm)
		RB Size	RB offset	1717.5	1745	1772.5	
15	DFT-s-OFDM BPSK	1	1	23.67	23.94	23.98	24.50
Bandwidth (MHz)	Modulation	Channel		344000	349000	354000	Tune-up power(dBm)
		RB Size	RB offset	1720	1745	1770	
20	DFT-s-OFDM BPSK	1	1	23.69	23.95	24.00	24.50
Bandwidth (MHz)	Modulation	Channel		344500	349000	353500	Tune-up power(dBm)
		RB Size	RB offset	1722.5	1745	1767.5	
25	DFT-s-OFDM BPSK	1	1	23.71	23.87	24.03	24.50
Bandwidth (MHz)	Modulation	Channel		345000	349000	353000	Tune-up power(dBm)
		RB Size	RB offset	1725	1745	1765	
30	DFT-s-OFDM BPSK	1	1	23.68	23.96	24.08	24.50
Bandwidth (MHz)	Modulation	Channel		346000	349000	352000	Tune-up power(dBm)
		RB Size	RB offset	1730	1745	1760	
40	DFT-s-OFDM BPSK	1	1	23.87	23.89	23.80	24.50
		1	108	23.82	23.86	23.90	24.50
		1	214	23.69	23.88	23.84	24.50
	DFT-s-OFDM BPSK	108	0	23.47	23.32	23.46	24.00
		108	54	23.72	23.88	23.99	24.50
		108	108	23.17	23.23	23.34	24.00
	DFT-s-OFDM BPSK	216	0	23.59	23.43	23.63	24.00
		1	1	23.62	23.77	23.88	24.50
		1	108	23.74	23.78	23.52	24.50
		1	214	23.68	23.78	23.62	24.50
	DFT-s-OFDM QPSK	108	0	23.02	22.86	22.77	23.50
		108	54	24.00	23.87	23.77	24.50
		108	108	22.83	22.98	22.78	23.50
	DFT-s-OFDM QPSK	216	0	22.97	22.88	22.85	23.50
	DFT-s-OFDM 16QAM	1	1	22.86	22.97	22.97	23.50
	DFT-s-OFDM 64QAM	1	1	21.26	21.38	21.54	22.00
	DFT-s-OFDM 256QAM	1	1	19.46	19.54	19.46	20.00
	CP-OFDM QPSK	1	1	22.20	22.38	22.18	23.00
	CP-OFDM 16QAM	1	1	21.86	21.82	21.91	22.50
	CP-OFDM 64QAM	1	1	20.27	20.35	20.49	21.00
	CP-OFDM 256QAM	1	1	17.13	17.23	17.38	18.00

N66-ANT0 DSI1&2&3(ULCA)							
Bandwidth (MHz)	Modulation	Channel		342500	349000	355500	Tune-up power(dBm)
		RB Size	RB offset	1712.5	1745	1777.5	
5	DFT-s-OFDM BPSK	1	1	22.55	22.83	22.64	23.00
Bandwidth (MHz)	Modulation	Channel		343000	349000	355000	Tune-up power(dBm)
		RB Size	RB offset	1715	1745	1775	
10	DFT-s-OFDM BPSK	1	1	22.77	22.97	22.93	23.00
Bandwidth (MHz)	Modulation	Channel		343500	349000	354500	Tune-up power(dBm)
		RB Size	RB offset	1717.5	1745	1772.5	
15	DFT-s-OFDM BPSK	1	1	22.52	22.95	22.64	23.00
Bandwidth (MHz)	Modulation	Channel		344000	349000	354000	Tune-up power(dBm)
		RB Size	RB offset	1720	1745	1770	
20	DFT-s-OFDM BPSK	1	1	22.88	22.93	22.98	23.00
Bandwidth (MHz)	Modulation	Channel		344500	349000	353500	Tune-up power(dBm)
		RB Size	RB offset	1722.5	1745	1767.5	
25	DFT-s-OFDM BPSK	1	1	22.75	22.73	22.71	23.00
Bandwidth (MHz)	Modulation	Channel		345000	349000	353000	Tune-up power(dBm)
		RB Size	RB offset	1725	1745	1765	
30	DFT-s-OFDM BPSK	1	1	22.85	22.81	22.61	23.00
Bandwidth (MHz)	Modulation	Channel		346000	349000	352000	Tune-up power(dBm)
		RB Size	RB offset	1730	1745	1760	
40	DFT-s-OFDM BPSK	1	1	22.68	22.69	22.66	23.00
		1	108	22.64	22.67	22.65	23.00
		1	214	22.64	22.67	22.69	23.00
	DFT-s-OFDM BPSK	108	0	22.83	22.65	22.65	23.00
		108	54	22.46	22.64	22.44	23.00
		108	108	22.63	22.76	22.95	23.00
	DFT-s-OFDM BPSK	216	0	22.85	22.73	22.87	23.00
	DFT-s-OFDM QPSK	1	1	22.69	22.87	22.78	23.00
		1	108	22.73	22.70	22.52	23.00
		1	214	22.69	22.71	22.54	23.00
	DFT-s-OFDM QPSK	108	0	22.83	22.68	22.75	23.00
		108	54	22.68	22.69	22.85	23.00
		108	108	22.74	22.73	22.80	23.00
	DFT-s-OFDM QPSK	216	0	22.75	22.71	22.77	23.00
	DFT-s-OFDM 16QAM	1	1	22.72	22.91	22.98	23.00
	DFT-s-OFDM 64QAM	1	1	21.38	21.36	21.16	22.00
	DFT-s-OFDM 256QAM	1	1	19.35	19.41	19.57	20.00
	CP-OFDM QPSK	1	1	22.26	22.23	22.24	23.00
	CP-OFDM 16QAM	1	1	22.19	22.18	22.32	22.50
	CP-OFDM 64QAM	1	1	19.94	20.12	20.15	21.00
	CP-OFDM 256QAM	1	1	17.64	17.59	17.70	18.00

N66-ANT4 Full Power&DSI1&2(ULCA)							
Bandwidth (MHz)	Modulation	Channel		342500	349000	355500	Tune-up power(dBm)
		RB Size	RB offset	1712.5	1745	1777.5	
5	DFT-s-OFDM BPSK	1	1	23.98	23.54	24.10	24.50
Bandwidth (MHz)	Modulation	Channel		343000	349000	355000	Tune-up power(dBm)
		RB Size	RB offset	1715	1745	1775	
10	DFT-s-OFDM BPSK	1	1	23.99	23.59	24.12	24.50
Bandwidth (MHz)	Modulation	Channel		343500	349000	354500	Tune-up power(dBm)
		RB Size	RB offset	1717.5	1745	1772.5	
15	DFT-s-OFDM BPSK	1	1	23.98	23.57	24.11	24.50
Bandwidth (MHz)	Modulation	Channel		344000	349000	354000	Tune-up power(dBm)
		RB Size	RB offset	1720	1745	1770	
20	DFT-s-OFDM BPSK	1	1	23.98	23.56	24.11	24.50
Bandwidth (MHz)	Modulation	Channel		344500	349000	353500	Tune-up power(dBm)
		RB Size	RB offset	1722.5	1745	1767.5	
25	DFT-s-OFDM BPSK	1	1	24.03	23.51	24.05	24.50
Bandwidth (MHz)	Modulation	Channel		345000	349000	353000	Tune-up power(dBm)
		RB Size	RB offset	1725	1745	1765	
30	DFT-s-OFDM BPSK	1	1	24.02	23.55	24.14	24.50
Bandwidth (MHz)	Modulation	Channel		346000	349000	352000	Tune-up power(dBm)
		RB Size	RB offset	1730	1745	1760	
40	DFT-s-OFDM BPSK	1	1	23.49	23.63	23.71	24.50
		1	108	23.94	23.92	24.00	24.50
		1	214	23.78	23.91	23.95	24.50
	DFT-s-OFDM BPSK	108	0	23.34	23.31	23.47	24.00
		108	54	24.04	23.82	23.90	24.50
		108	108	23.01	23.18	23.08	24.00
	DFT-s-OFDM BPSK	216	0	23.39	23.20	23.28	24.00
		1	1	23.83	23.74	23.99	24.50
	DFT-s-OFDM QPSK	1	108	23.91	23.80	23.91	24.50
		1	214	23.64	23.73	23.62	24.50
		108	0	22.78	22.85	22.69	23.50
	DFT-s-OFDM QPSK	108	54	23.67	23.78	23.78	24.50
		108	108	22.81	22.92	22.77	23.50
		DFT-s-OFDM QPSK	216	0	22.85	22.88	23.05
	DFT-s-OFDM 16QAM	1	1	23.12	22.94	23.22	23.50
	DFT-s-OFDM 64QAM	1	1	21.65	21.41	21.52	22.00
	DFT-s-OFDM 256QAM	1	1	19.61	19.65	19.62	20.00
	CP-OFDM QPSK	1	1	22.48	22.30	22.43	23.00
	CP-OFDM 16QAM	1	1	21.79	21.73	21.65	22.50
	CP-OFDM 64QAM	1	1	20.18	20.15	20.21	21.00
	CP-OFDM 256QAM	1	1	16.89	17.05	17.24	18.00

N66-ANT4 DSI3(ULCA)							
Bandwidth (MHz)	Modulation	Channel		342500	349000	355500	Tune-up power(dBm)
		RB Size	RB offset	1712.5	1745	1777.5	
5	DFT-s-OFDM BPSK	1	1	21.92	21.73	21.94	22.50
Bandwidth (MHz)	Modulation	Channel		343000	349000	355000	Tune-up power(dBm)
		RB Size	RB offset	1715	1745	1775	
10	DFT-s-OFDM BPSK	1	1	21.83	21.63	21.66	22.50
Bandwidth (MHz)	Modulation	Channel		343500	349000	354500	Tune-up power(dBm)
		RB Size	RB offset	1717.5	1745	1772.5	
15	DFT-s-OFDM BPSK	1	1	21.81	21.81	21.77	22.50
Bandwidth (MHz)	Modulation	Channel		344000	349000	354000	Tune-up power(dBm)
		RB Size	RB offset	1720	1745	1770	
20	DFT-s-OFDM BPSK	1	1	21.62	21.57	21.81	22.50
Bandwidth (MHz)	Modulation	Channel		344500	349000	353500	Tune-up power(dBm)
		RB Size	RB offset	1722.5	1745	1767.5	
25	DFT-s-OFDM BPSK	1	1	21.62	21.90	21.63	22.50
Bandwidth (MHz)	Modulation	Channel		345000	349000	353000	Tune-up power(dBm)
		RB Size	RB offset	1725	1745	1765	
30	DFT-s-OFDM BPSK	1	1	21.64	21.74	21.74	22.50
Bandwidth (MHz)	Modulation	Channel		346000	349000	352000	Tune-up power(dBm)
		RB Size	RB offset	1730	1745	1760	
40	DFT-s-OFDM BPSK	1	1	21.69	21.74	21.66	22.50
		1	108	21.71	21.76	21.63	22.50
		1	214	21.69	21.80	21.46	22.50
	DFT-s-OFDM BPSK	108	0	21.77	21.68	21.83	22.50
		108	54	21.59	21.70	21.68	22.50
		108	108	21.81	21.68	21.57	22.50
	DFT-s-OFDM BPSK	216	0	21.88	21.73	21.57	22.50
		1	1	21.72	21.75	21.76	22.50
	DFT-s-OFDM QPSK	1	108	21.53	21.66	21.85	22.50
		1	214	21.46	21.65	21.55	22.50
		108	0	21.62	21.75	21.75	22.50
	DFT-s-OFDM QPSK	108	54	21.53	21.67	21.87	22.50
		108	108	21.81	21.72	21.82	22.50
		DFT-s-OFDM QPSK	216	0	21.89	21.72	21.86
	DFT-s-OFDM 16QAM	1	1	21.71	21.82	22.01	22.50
	DFT-s-OFDM 64QAM	1	1	21.20	21.09	21.23	22.00
	DFT-s-OFDM 256QAM	1	1	18.99	19.13	19.08	20.00
	CP-OFDM QPSK	1	1	21.61	21.69	21.52	22.50
	CP-OFDM 16QAM	1	1	21.78	21.73	21.53	22.50
	CP-OFDM 64QAM	1	1	19.75	19.91	19.72	21.00
	CP-OFDM 256QAM	1	1	16.91	17.04	17.06	18.00

N66-ANT4 DSI4(ULCA)							
Bandwidth (MHz)	Modulation	Channel		342500	349000	355500	Tune-up power(dBm)
		RB Size	RB offset	1712.5	1745	1777.5	
5	DFT-s-OFDM BPSK	1	1	16.87	16.69	16.68	18.50
Bandwidth (MHz)	Modulation	Channel		343000	349000	355000	Tune-up power(dBm)
		RB Size	RB offset	1715	1745	1775	
10	DFT-s-OFDM BPSK	1	1	16.82	16.80	16.85	18.50
Bandwidth (MHz)	Modulation	Channel		343500	349000	354500	Tune-up power(dBm)
		RB Size	RB offset	1717.5	1745	1772.5	
15	DFT-s-OFDM BPSK	1	1	17.06	16.72	16.53	18.50
Bandwidth (MHz)	Modulation	Channel		344000	349000	354000	Tune-up power(dBm)
		RB Size	RB offset	1720	1745	1770	
20	DFT-s-OFDM BPSK	1	1	16.89	16.73	16.61	18.50
Bandwidth (MHz)	Modulation	Channel		344500	349000	353500	Tune-up power(dBm)
		RB Size	RB offset	1722.5	1745	1767.5	
25	DFT-s-OFDM BPSK	1	1	16.92	16.57	16.50	18.50
Bandwidth (MHz)	Modulation	Channel		345000	349000	353000	Tune-up power(dBm)
		RB Size	RB offset	1725	1745	1765	
30	DFT-s-OFDM BPSK	1	1	16.84	16.52	16.74	18.50
Bandwidth (MHz)	Modulation	Channel		346000	349000	352000	Tune-up power(dBm)
		RB Size	RB offset	1730	1745	1760	
40	DFT-s-OFDM BPSK	1	1	16.96	16.92	16.90	18.50
		1	108	16.97	16.92	17.12	18.50
		1	214	16.90	16.87	16.80	18.50
	DFT-s-OFDM BPSK	108	0	16.91	16.93	16.93	18.50
		108	54	16.92	17.11	16.95	18.50
		108	108	16.84	16.91	16.76	18.50
	DFT-s-OFDM BPSK	216	0	17.02	17.09	17.03	18.50
		1	1	17.03	16.91	16.86	18.50
		1	108	16.68	16.75	16.59	18.50
		1	214	16.86	16.93	16.88	18.50
	DFT-s-OFDM QPSK	108	0	17.01	16.97	17.04	18.50
		108	54	17.20	17.02	16.83	18.50
		108	108	17.07	17.06	16.93	18.50
	DFT-s-OFDM QPSK	216	0	16.93	16.88	16.92	18.50
		1	1	17.07	16.87	16.71	18.50
		1	1	16.87	16.73	16.57	18.50
	DFT-s-OFDM 16QAM	1	1	16.95	17.15	17.16	18.50
	DFT-s-OFDM 256QAM	1	1	16.88	16.83	16.89	18.50
	CP-OFDM QPSK	1	1	16.89	17.05	17.09	18.50
	CP-OFDM 16QAM	1	1	16.51	16.66	16.85	18.50
	CP-OFDM 64QAM	1	1	16.91	16.82	16.94	18.00
	CP-OFDM 256QAM	1	1	16.91	16.82	16.94	18.00

N66-ANT4 DSI5&6(ULCA)							
Bandwidth (MHz)	Modulation	Channel		342500	349000	355500	Tune-up power(dBm)
		RB Size	RB offset	1712.5	1745	1777.5	
5	DFT-s-OFDM BPSK	1	1	16.36	16.69	16.54	17.50
Bandwidth (MHz)	Modulation	Channel		343000	349000	355000	Tune-up power(dBm)
		RB Size	RB offset	1715	1745	1775	
10	DFT-s-OFDM BPSK	1	1	16.66	16.56	16.54	17.50
Bandwidth (MHz)	Modulation	Channel		343500	349000	354500	Tune-up power(dBm)
		RB Size	RB offset	1717.5	1745	1772.5	
15	DFT-s-OFDM BPSK	1	1	16.68	16.81	16.59	17.50
Bandwidth (MHz)	Modulation	Channel		344000	349000	354000	Tune-up power(dBm)
		RB Size	RB offset	1720	1745	1770	
20	DFT-s-OFDM BPSK	1	1	16.47	16.73	16.64	17.50
Bandwidth (MHz)	Modulation	Channel		344500	349000	353500	Tune-up power(dBm)
		RB Size	RB offset	1722.5	1745	1767.5	
25	DFT-s-OFDM BPSK	1	1	16.46	16.77	16.65	17.50
Bandwidth (MHz)	Modulation	Channel		345000	349000	353000	Tune-up power(dBm)
		RB Size	RB offset	1725	1745	1765	
30	DFT-s-OFDM BPSK	1	1	16.39	16.60	16.63	17.50
Bandwidth (MHz)	Modulation	Channel		346000	349000	352000	Tune-up power(dBm)
		RB Size	RB offset	1730	1745	1760	
40	DFT-s-OFDM BPSK	1	1	16.53	16.56	16.57	17.50
		1	108	16.56	16.57	16.60	17.50
		1	214	16.55	16.59	16.56	17.50
	DFT-s-OFDM BPSK	108	0	16.72	16.55	16.45	17.50
		108	54	16.64	16.64	16.46	17.50
		108	108	16.46	16.57	16.45	17.50
	DFT-s-OFDM BPSK	216	0	16.48	16.59	16.76	17.50
		1	1	16.56	16.68	16.58	17.50
		1	108	16.50	16.59	16.40	17.50
		1	214	16.47	16.62	16.79	17.50
	DFT-s-OFDM QPSK	108	0	16.82	16.64	16.77	17.50
		108	54	16.84	16.65	16.66	17.50
		108	108	16.51	16.57	16.38	17.50
	DFT-s-OFDM QPSK	216	0	16.69	16.64	16.70	17.50
	DFT-s-OFDM 16QAM	1	1	16.80	16.62	16.56	17.50
	DFT-s-OFDM 64QAM	1	1	16.51	16.53	16.38	17.50
	DFT-s-OFDM 256QAM	1	1	16.92	16.87	16.87	17.50
	CP-OFDM QPSK	1	1	16.65	16.74	16.82	17.50
	CP-OFDM 16QAM	1	1	16.10	16.28	16.33	17.50
	CP-OFDM 64QAM	1	1	16.71	16.51	16.71	17.50
	CP-OFDM 256QAM	1	1	16.61	16.66	16.84	17.50

N77-ANT3 Full Power-PC3(ULCA)							
Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dBm)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	23.00	22.97	22.70	24.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dBm)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	23.03	22.94	22.73	24.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dBm)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	23.05	22.99	22.69	24.50
Bandwidth (MHz)	Modulation	Channel		630834	633334	635832	Tune-up power(dBm)
		RB Size	RB offset	3462.51	3500.01	3537.48	
25	DFT-s-OFDM BPSK	1	1	22.92	22.96	23.01	24.50
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dBm)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	22.93	23.02	22.80	24.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dBm)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	22.95	23.00	22.73	24.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dBm)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	22.96	22.98	22.71	24.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dBm)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	22.98	22.94	22.71	24.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dBm)
		RB Size	RB offset	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	23.01	22.92	22.66	24.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dBm)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	23.00	23.01	22.75	24.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dBm)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	22.95	22.93	22.67	24.50
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dBm)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	22.89	/	24.50
		1	137	/	22.94	/	24.50
		1	271	/	23.07	/	24.50
	DFT-s-OFDM BPSK	135	0	/	22.57	/	24.00
		135	69	/	22.94	/	24.50
		135	138	/	22.78	/	24.00
	DFT-s-OFDM BPSK	270	0	/	22.75	/	24.00
		1	1	/	23.03	/	24.50
		1	137	/	22.97	/	24.50
	DFT-s-OFDM QPSK	1	271	/	23.11	/	24.50
		135	0	/	22.06	/	23.50
		135	69	/	23.07	/	24.50
	DFT-s-OFDM QPSK	135	138	/	21.94	/	23.50
		270	0	/	21.97	/	23.50
	DFT-s-OFDM 16QAM	1	1	/	22.15	/	23.50
		1	1	/	20.53	/	22.00
		1	1	/	18.73	/	20.00
	CP-OFDM QPSK	1	1	/	21.62	/	23.00
		1	1	/	21.09	/	22.50
		1	1	/	19.42	/	21.00
	CP-OFDM 256QAM	1	1	/	16.57	/	18.00

N77-ANT3 DSI1&2-PC3(ULCA)							
Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dBm)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	20.41	20.45	20.43	22.00
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dBm)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	20.44	20.36	20.36	22.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dBm)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	20.41	20.40	20.37	22.00
Bandwidth (MHz)	Modulation	Channel		630834	633334	635832	Tune-up power(dBm)
		RB Size	RB offset	3462.51	3500.01	3537.48	
25	DFT-s-OFDM BPSK	1	1	20.44	20.41	20.42	22.00
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dBm)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	20.45	20.43	20.44	22.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dBm)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	20.45	20.44	20.39	22.00
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dBm)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	20.35	20.42	20.42	22.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dBm)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	20.37	20.36	20.35	22.00
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dBm)
		RB Size	RB offset	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	20.39	20.43	20.38	22.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dBm)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	20.39	20.39	20.43	22.00
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dBm)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	20.36	20.45	20.41	22.00
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dBm)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	20.45	/	22.00
		1	137	/	20.34	/	22.00
		1	271	/	20.42	/	22.00
	DFT-s-OFDM BPSK	135	0	/	20.41	/	22.00
		135	69	/	20.40	/	22.00
		135	138	/	20.42	/	22.00
	DFT-s-OFDM BPSK	270	0	/	20.42	/	22.00
		1	1	/	20.56	/	22.00
		1	137	/	20.43	/	22.00
	DFT-s-OFDM QPSK	1	271	/	20.39	/	22.00
		135	0	/	20.42	/	22.00
		135	69	/	20.44	/	22.00
	DFT-s-OFDM QPSK	135	138	/	20.38	/	22.00
		270	0	/	20.44	/	22.00
		1	1	/	20.71	/	22.00
	DFT-s-OFDM 16QAM	1	1	/	20.36	/	22.00
	DFT-s-OFDM 64QAM	1	1	/	18.87	/	20.00
	CP-OFDM QPSK	1	1	/	20.59	/	22.00
	CP-OFDM 16QAM	1	1	/	20.93	/	22.00
	CP-OFDM 64QAM	1	1	/	19.66	/	21.00
	CP-OFDM 256QAM	1	1	/	16.55	/	18.00

N77-ANT3 DSI3-PC3(ULCA)							
Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dBm)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	16.36	16.51	16.55	18.00
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dBm)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	16.47	16.50	16.35	18.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dBm)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	16.44	16.47	16.54	18.00
Bandwidth (MHz)	Modulation	Channel		630834	633334	635832	Tune-up power(dBm)
		RB Size	RB offset	3462.51	3500.01	3537.48	
25	DFT-s-OFDM BPSK	1	1	16.47	16.50	16.42	18.00
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dBm)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	16.48	16.48	16.42	18.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dBm)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	16.42	16.38	16.52	18.00
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dBm)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	16.49	16.45	16.54	18.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dBm)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	16.47	16.50	16.51	18.00
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dBm)
		RB Size	RB offset	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	16.50	16.49	16.47	18.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dBm)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	16.36	16.52	16.38	18.00
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dBm)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	16.40	16.51	16.45	18.00
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dBm)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	16.75	/	18.00
		1	137	/	16.56	/	18.00
		1	271	/	16.58	/	18.00
	DFT-s-OFDM BPSK	135	0	/	16.52	/	18.00
		135	69	/	16.48	/	18.00
		135	138	/	16.53	/	18.00
	DFT-s-OFDM BPSK	270	0	/	16.53	/	18.00
		1	1	/	16.64	/	18.00
		1	137	/	16.47	/	18.00
	DFT-s-OFDM QPSK	1	271	/	16.57	/	18.00
		135	0	/	16.50	/	18.00
		135	69	/	16.58	/	18.00
	DFT-s-OFDM QPSK	135	138	/	16.56	/	18.00
		270	0	/	16.45	/	18.00
	DFT-s-OFDM 16QAM	1	1	/	16.84	/	18.00
		1	1	/	16.53	/	18.00
		1	1	/	16.99	/	18.00
	CP-OFDM QPSK	1	1	/	16.69	/	18.00
		1	1	/	16.95	/	18.00
		1	1	/	16.71	/	18.00
	CP-OFDM 256QAM	1	1	/	16.48	/	18.00

N77-ANT3 DSI4&5&6-PC3(ULCA)							
Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dBm)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	14.97	15.03	14.85	16.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dBm)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	14.95	14.91	15.02	16.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dBm)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	14.86	14.91	15.04	16.50
Bandwidth (MHz)	Modulation	Channel		630834	633334	635832	Tune-up power(dBm)
		RB Size	RB offset	3462.51	3500.01	3537.48	
25	DFT-s-OFDM BPSK	1	1	14.96	15.03	14.96	16.50
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dBm)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	14.91	14.89	14.92	16.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dBm)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	14.99	14.96	14.89	16.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dBm)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	14.98	14.86	14.96	16.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dBm)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	15.00	14.96	14.92	16.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dBm)
		RB Size	RB offset	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	15.02	14.85	14.89	16.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dBm)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	14.96	15.03	15.03	16.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dBm)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	15.03	14.91	14.99	16.50
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dBm)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	15.11	/	16.50
		1	137	/	14.97	/	16.50
		1	271	/	14.97	/	16.50
	DFT-s-OFDM BPSK	135	0	/	15.07	/	16.50
		135	69	/	15.05	/	16.50
		135	138	/	14.98	/	16.50
	DFT-s-OFDM BPSK	270	0	/	15.00	/	16.50
		1	1	/	15.09	/	16.50
		1	137	/	15.07	/	16.50
	DFT-s-OFDM QPSK	1	271	/	14.98	/	16.50
		135	0	/	15.01	/	16.50
		135	69	/	14.96	/	16.50
	DFT-s-OFDM QPSK	135	138	/	15.08	/	16.50
		270	0	/	14.98	/	16.50
		1	1	/	15.25	/	16.50
	DFT-s-OFDM 16QAM	1	1	/	15.25	/	16.50
	DFT-s-OFDM 64QAM	1	1	/	14.97	/	16.50
	DFT-s-OFDM 256QAM	1	1	/	15.43	/	16.50
	CP-OFDM QPSK	1	1	/	15.08	/	16.50
	CP-OFDM 16QAM	1	1	/	15.42	/	16.50
	CP-OFDM 64QAM	1	1	/	15.14	/	16.50
	CP-OFDM 256QAM	1	1	/	15.07	/	16.50

N77-ANT3 Full Power-PC3(ULCA)							
Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dBm)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	23.04	23.12	23.13	24.50
Bandwidth (MHz)	Modulation	Channel		647166	656000	664832	Tune-up power(dBm)
		RB Size	RB offset	3707.49	3840	3972.48	
15	DFT-s-OFDM BPSK	1	1	23.08	23.09	23.08	24.50
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dBm)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	23.09	23.15	23.08	24.50
Bandwidth (MHz)	Modulation	Channel		647500	656000	664500	Tune-up power(dBm)
		RB Size	RB offset	3712.5	3840	3967.5	
25	DFT-s-OFDM BPSK	1	1	23.09	23.15	23.11	24.50
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dBm)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	23.02	23.17	23.08	24.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dBm)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	22.89	22.98	22.99	24.50
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dBm)
		RB Size	RB offset	3725.01	3840	3954.99	
50	DFT-s-OFDM BPSK	1	1	22.94	22.99	22.98	24.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dBm)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	22.88	23.00	22.91	24.50
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dBm)
		RB Size	RB offset	3735	3840	3945	
70	DFT-s-OFDM BPSK	1	1	22.90	23.02	22.97	24.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dBm)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	22.86	22.92	22.97	24.50
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dBm)
		RB Size	RB offset	3745.02	3840	3934.98	
90	DFT-s-OFDM BPSK	1	1	22.85	22.92	22.95	24.50
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dBm)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	22.89	22.97	22.96	24.50
		1	137	22.80	22.92	23.00	24.50
		1	271	23.10	22.94	22.97	24.50
	DFT-s-OFDM BPSK	135	0	22.46	22.37	22.57	24.00
		135	69	22.78	22.99	22.90	24.50
		135	138	22.35	22.48	22.48	24.00
	DFT-s-OFDM BPSK	270	0	22.28	22.39	22.28	24.00
		1	1	23.05	23.10	23.12	24.50
		1	137	22.95	22.83	23.06	24.50
	DFT-s-OFDM QPSK	1	271	22.85	22.87	22.88	24.50
		135	0	21.95	21.83	21.90	23.50
		135	69	22.98	23.00	23.06	24.50
	DFT-s-OFDM QPSK	135	138	22.05	21.87	21.81	23.50
		270	0	21.52	21.72	21.63	23.50
		1	1	22.19	22.15	22.17	23.50
	DFT-s-OFDM 16QAM	1	1	20.70	20.64	20.80	22.00
	DFT-s-OFDM 256QAM	1	1	18.50	18.37	18.29	20.00
	CP-OFDM QPSK	1	1	21.66	21.61	21.82	23.00
	CP-OFDM 16QAM	1	1	21.43	21.35	21.51	22.50
	CP-OFDM 64QAM	1	1	19.42	19.22	19.29	21.00
	CP-OFDM 256QAM	1	1	16.70	16.52	16.36	18.00

N77-ANT3 DSI1&2-PC3(ULCA)							
Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dBm)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	20.20	20.37	20.29	22.00
Bandwidth (MHz)	Modulation	Channel		647166	656000	664832	Tune-up power(dBm)
		RB Size	RB offset	3707.49	3840	3972.48	
15	DFT-s-OFDM BPSK	1	1	20.20	20.35	20.26	22.00
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dBm)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	20.36	20.33	20.25	22.00
Bandwidth (MHz)	Modulation	Channel		647500	656000	664500	Tune-up power(dBm)
		RB Size	RB offset	3712.5	3840	3967.5	
25	DFT-s-OFDM BPSK	1	1	20.23	20.40	20.27	22.00
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dBm)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	20.25	20.21	20.39	22.00
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dBm)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	20.21	20.25	20.24	22.00
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dBm)
		RB Size	RB offset	3725.01	3840	3954.99	
50	DFT-s-OFDM BPSK	1	1	20.34	20.20	20.33	22.00
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dBm)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	20.29	20.37	20.26	22.00
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dBm)
		RB Size	RB offset	3735	3840	3945	
70	DFT-s-OFDM BPSK	1	1	20.24	20.35	20.27	22.00
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dBm)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	20.30	20.26	20.22	22.00
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dBm)
		RB Size	RB offset	3745.02	3840	3934.98	
90	DFT-s-OFDM BPSK	1	1	20.26	20.30	20.25	22.00
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dBm)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	20.37	20.42	20.47	22.00
		1	137	20.30	20.30	20.31	22.00
		1	271	20.21	20.19	20.21	22.00
	DFT-s-OFDM BPSK	135	0	20.48	20.28	20.21	22.00
		135	69	20.23	20.32	20.18	22.00
		135	138	20.17	20.24	20.27	22.00
	DFT-s-OFDM BPSK	270	0	20.18	20.21	20.36	22.00
		1	1	20.64	20.49	20.58	22.00
		1	137	20.08	20.21	20.27	22.00
	DFT-s-OFDM QPSK	1	271	20.32	20.20	20.40	22.00
		135	0	20.30	20.35	20.17	22.00
		135	69	20.03	20.20	20.22	22.00
	DFT-s-OFDM QPSK	135	138	20.55	20.37	20.22	22.00
		270	0	20.42	20.23	20.05	22.00
	DFT-s-OFDM 16QAM	1	1	20.63	20.62	20.44	22.00
		1	1	20.52	20.36	20.47	22.00
		1	1	18.76	18.59	18.40	20.00
	CP-OFDM QPSK	1	1	20.53	20.56	20.60	22.00
		1	1	20.60	20.74	20.60	22.00
		1	1	19.30	19.46	19.41	21.00
	CP-OFDM 256QAM	1	1	16.53	16.47	16.29	18.00

N77-ANT3 DSI3-PC3(ULCA)							
Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dBm)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	16.33	16.24	16.35	18.00
Bandwidth (MHz)	Modulation	Channel		647166	656000	664832	Tune-up power(dBm)
		RB Size	RB offset	3707.49	3840	3972.48	
15	DFT-s-OFDM BPSK	1	1	16.32	16.38	16.22	18.00
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dBm)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	16.29	16.30	16.22	18.00
Bandwidth (MHz)	Modulation	Channel		647500	656000	664500	Tune-up power(dBm)
		RB Size	RB offset	3712.5	3840	3967.5	
25	DFT-s-OFDM BPSK	1	1	16.38	16.25	16.23	18.00
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dBm)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	16.38	16.29	16.39	18.00
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dBm)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	16.20	16.38	16.21	18.00
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dBm)
		RB Size	RB offset	3725.01	3840	3954.99	
50	DFT-s-OFDM BPSK	1	1	16.36	16.34	16.26	18.00
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dBm)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	16.31	16.29	16.32	18.00
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dBm)
		RB Size	RB offset	3735	3840	3945	
70	DFT-s-OFDM BPSK	1	1	16.33	16.34	16.31	18.00
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dBm)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	16.37	16.36	16.34	18.00
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dBm)
		RB Size	RB offset	3745.02	3840	3934.98	
90	DFT-s-OFDM BPSK	1	1	16.36	16.28	16.29	18.00
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dBm)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	16.42	16.41	16.41	18.00
		1	137	16.24	16.28	16.29	18.00
		1	271	16.28	16.24	16.22	18.00
	DFT-s-OFDM BPSK	135	0	16.44	16.35	16.35	18.00
		135	69	16.25	16.21	16.01	18.00
		135	138	16.32	16.38	16.21	18.00
	DFT-s-OFDM BPSK	270	0	16.57	16.40	16.43	18.00
		1	1	16.46	16.51	16.54	18.00
		1	137	16.25	16.38	16.19	18.00
	DFT-s-OFDM QPSK	1	271	16.17	16.37	16.39	18.00
		135	0	16.40	16.39	16.49	18.00
		135	69	16.23	16.27	16.40	18.00
	DFT-s-OFDM QPSK	135	138	16.34	16.24	16.36	18.00
		270	0	16.12	16.22	16.05	18.00
	DFT-s-OFDM 16QAM	1	1	16.65	16.59	16.46	18.00
	DFT-s-OFDM 64QAM	1	1	16.47	16.43	16.37	18.00
	DFT-s-OFDM 256QAM	1	1	16.49	16.61	16.51	18.00
	CP-OFDM QPSK	1	1	16.50	16.48	16.38	18.00
	CP-OFDM 16QAM	1	1	16.68	16.70	16.81	18.00
	CP-OFDM 64QAM	1	1	16.35	16.44	16.25	18.00
	CP-OFDM 256QAM	1	1	16.24	16.38	16.37	18.00

N77-ANT3 DSI4&5&6-PC3(ULCA)							
Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dBm)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	15.06	15.06	14.78	16.50
Bandwidth (MHz)	Modulation	Channel		647166	656000	664832	Tune-up power(dBm)
		RB Size	RB offset	3707.49	3840	3972.48	
15	DFT-s-OFDM BPSK	1	1	14.89	15.03	14.90	16.50
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dBm)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	14.78	14.87	15.10	16.50
Bandwidth (MHz)	Modulation	Channel		647500	656000	664500	Tune-up power(dBm)
		RB Size	RB offset	3712.5	3840	3967.5	
25	DFT-s-OFDM BPSK	1	1	15.09	15.09	14.78	16.50
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dBm)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	14.88	14.98	14.76	16.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dBm)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	14.75	14.72	15.10	16.50
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dBm)
		RB Size	RB offset	3725.01	3840	3954.99	
50	DFT-s-OFDM BPSK	1	1	14.89	14.88	14.72	16.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dBm)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	14.97	14.92	14.95	16.50
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dBm)
		RB Size	RB offset	3735	3840	3945	
70	DFT-s-OFDM BPSK	1	1	15.09	14.98	15.08	16.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dBm)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	14.78	14.99	14.92	16.50
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dBm)
		RB Size	RB offset	3745.02	3840	3934.98	
90	DFT-s-OFDM BPSK	1	1	14.93	14.94	14.70	16.50
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dBm)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	15.14	15.10	15.15	16.50
		1	137	14.95	14.90	14.89	16.50
		1	271	14.78	14.83	14.79	16.50
	DFT-s-OFDM BPSK	135	0	14.63	14.83	14.97	16.50
		135	69	14.76	14.74	14.55	16.50
		135	138	14.75	14.75	14.68	16.50
	DFT-s-OFDM BPSK	270	0	14.69	14.87	14.81	16.50
		1	1	14.97	15.09	15.06	16.50
		1	137	14.73	14.79	14.81	16.50
	DFT-s-OFDM QPSK	1	271	14.61	14.71	14.64	16.50
		135	0	14.68	14.78	14.96	16.50
		135	69	15.04	14.96	15.09	16.50
	DFT-s-OFDM QPSK	135	138	15.11	14.96	15.15	16.50
		270	0	14.95	15.02	15.06	16.50
	DFT-s-OFDM 16QAM	1	1	15.01	15.14	15.25	16.50
	DFT-s-OFDM 64QAM	1	1	15.10	14.99	14.95	16.50
	DFT-s-OFDM 256QAM	1	1	15.29	15.14	15.24	16.50
	CP-OFDM QPSK	1	1	15.03	15.01	14.84	16.50
	CP-OFDM 16QAM	1	1	15.06	15.20	15.30	16.50
	CP-OFDM 64QAM	1	1	14.96	14.94	14.86	16.50
	CP-OFDM 256QAM	1	1	15.13	15.01	14.85	16.50

8.7 WIFI Output Power

WIFI2.4G-ANT5-Full Power&DS11						
2.4G	Mode	Channel	Frequency (MHz)	AV power (dBm)	Tune up (dBm)	SAR Test
	11b	1	2412	18.92	19.50	Yes
		6	2437	18.84	19.50	Yes
		11	2462	19.05	19.50	Yes
	11g	1	2412	15.89	17.50	No
		6	2437	18.47	19.00	No
		11	2462	16.56	18.50	No
	11n-HT20	1	2412	15.70	17.00	No
		6	2437	18.30	19.00	No
		11	2462	16.08	17.50	No

Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially.

1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.

2) When multiple transmission modes (802.11b/g/n) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n.

3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, OFDM SAR test is not required. Adjusted SAR = $0.327^* (79.43\text{mW}/89.13\text{mW}) = 0.291$ W/Kg, so 2.4G OFDM SAR test is not required.

WIFI2.4G-ANT5-DSI2&3&4						
2.4G	Mode	Channal	Frequency (MHz)	AV power (dBm)	Tune up (dBm)	SAR Test
	11b	1	2412	16.78	17.50	Yes
		6	2437	16.60	17.50	Yes
		11	2462	16.81	17.50	Yes
	11g	1	2412	16.23	17.00	No
		6	2437	16.11	17.00	No
		11	2462	16.12	17.00	No
	11n-HT20	1	2412	16.17	17.00	No
		6	2437	16.19	17.00	No
		11	2462	16.24	17.00	No
Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially. 1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power. 2) When multiple transmission modes (802.11b/g/n) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n. 3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, OFDM SAR test is not required. Adjusted SAR = $1.151 * (50.12\text{mW}/56.23\text{mW}) = 1.026\text{W/Kg}$, so 2.4G OFDM SAR test is not required.						

WIFI2.4G-ANT5-DSI5&6						
2.4G	Mode	Channel	Frequency (MHz)	AV power (dBm)	Tune up (dBm)	SAR Test
	11b	1	2412	13.91	14.50	Yes
		6	2437	13.63	14.50	Yes
		11	2462	13.72	14.50	Yes
	11g	1	2412	13.26	14.00	No
		6	2437	13.22	14.00	No
		11	2462	13.26	14.00	No
	11n-HT20	1	2412	13.33	14.00	No
		6	2437	13.11	14.00	No
		11	2462	13.12	14.00	No

Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially.

1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.

2) When multiple transmission modes (802.11b/g/n) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n.

3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, OFDM SAR test is not required. Adjusted SAR = $0.585 * (25.12\text{mW}/28.19\text{mW}) = 0.521\text{W/Kg}$, so 2.4G OFDM SAR test is not required.

8.4.2 WIFI5G Output Power

WIFI5G-ANT5-Full Power&DSI1						
	Mode	Channel	Frequency (MHz)	AV power (dBm)	Tune up (dBm)	SAR Test
5.2G	11a	36	5180	18.21	19.00	No
		44	5220	17.87	19.00	No
		48	5240	17.84	19.00	No
	11n20	36	5180	17.71	19.00	No
		44	5220	17.71	19.00	No
		48	5240	17.90	19.00	No
	11n40	38	5190	16.89	18.00	No
		46	5230	17.08	18.00	No
	11ac20	36	5180	17.93	19.00	No
		44	5220	17.90	19.00	No
		48	5240	17.78	19.00	No
	11ac40	38	5190	16.94	18.00	No
		46	5230	16.88	18.00	No
	11ac80	42	5210	16.93	18.00	No
5.3G	11a	52	5260	17.65	19.00	Yes
		60	5300	17.66	19.00	Yes
		64	5320	17.63	19.00	Yes
	11n20	52	5260	17.51	19.00	No
		60	5300	17.51	19.00	No
		64	5320	17.44	19.00	No
	11n40	54	5270	16.42	18.00	No
		62	5310	16.57	18.00	No
		52	5260	17.40	19.00	No
	11ac20	60	5300	17.50	19.00	No
		64	5320	17.47	19.00	No
		54	5270	16.52	18.00	No
	11ac40	62	5310	16.41	18.00	No
		58	5290	17.08	18.00	No
	11ac80	58	5290	17.08	18.00	No
5.6G	11a	100	5500	17.43	19.00	Yes
		116	5580	17.70	19.00	Yes
		140	5700	17.89	19.00	Yes
	11n20	100	5500	17.49	19.00	No
		116	5580	17.40	19.00	No
		140	5700	17.65	19.00	No
	11n40	102	5510	16.31	17.50	No
		118	5590	16.44	18.00	No
		134	5670	16.56	18.00	No
	11ac20	100	5500	17.76	19.00	No
		116	5580	17.48	19.00	No
		140	5700	16.82	18.00	No
	11ac40	102	5510	16.67	18.50	No
		118	5590	16.49	18.00	No
		134	5670	16.71	18.00	No
	11ac80	106	5530	15.13	16.00	No
5.8G	11a	122	5610	16.48	18.00	No
		149	5745	18.01	19.00	Yes
		157	5785	17.68	19.00	No
	11n20	165	5825	18.15	19.00	Yes
		149	5745	17.58	18.50	No
		157	5785	17.62	19.00	No
	11n40	165	5825	17.83	19.00	No
		151	5755	16.67	18.00	No
		159	5795	16.67	18.00	No
	11ac20	149	5745	17.88	19.00	No
		157	5785	17.65	19.00	No
		165	5825	17.91	19.00	No
	11ac40	151	5755	16.88	18.00	No
		159	5795	16.63	18.00	No
	11ac80	155	5775	16.97	18.00	No
Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially. 1)When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR. 2)The largest channel bandwidth configuration is selected among the multiple configurations in a frequency band with the same maximum tune-up output power. 3) When multiple transmission modes (802.11a/n/ac) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11a is chosen over 802.11n then 802.11ac.						

WIFI5G-ANT5-DSI2&3&5&6						
	Mode	Channel	Frequency (MHz)	AV power (dBm)	Tune up (dBm)	SAR Test
5.2G	11a	36	5180	13.62	14.00	No
		44	5220	13.60	14.00	No
		48	5240	13.55	14.00	No
	11n20	36	5180	13.36	14.00	No
		44	5220	13.35	14.00	No
		48	5240	13.45	14.00	No
	11n40	38	5190	12.41	13.00	No
		46	5230	12.30	13.00	No
	11ac20	36	5180	13.50	14.00	No
		44	5220	13.48	14.00	No
		48	5240	13.49	14.00	No
	11ac40	38	5190	12.37	13.00	No
		46	5230	12.49	13.00	No
	11ac80	42	5210	12.37	13.00	No
5.3G	11a	52	5260	13.51	14.00	Yes
		60	5300	13.28	14.00	No
		64	5320	13.11	14.00	No
	11n20	52	5260	13.10	14.00	No
		60	5300	13.25	14.00	No
		64	5320	13.29	14.00	No
	11n40	54	5270	12.20	13.00	No
		62	5310	12.14	13.00	No
	11ac20	52	5260	13.22	14.00	No
		60	5300	13.23	14.00	No
		64	5320	13.25	14.00	No
	11ac40	54	5270	12.36	13.00	No
		62	5310	12.10	13.00	No
	11ac80	58	5290	12.19	13.00	No
5.6G	11a	100	5500	13.26	14.00	Yes
		116	5580	13.14	14.00	No
		140	5700	12.86	14.00	No
	11n20	100	5500	12.94	14.00	No
		116	5580	13.05	14.00	No
		140	5700	13.18	14.00	No
	11n40	102	5510	11.92	13.00	No
		118	5590	12.06	13.00	No
		134	5670	12.14	13.00	No
	11ac20	100	5500	12.86	14.00	No
		116	5580	12.94	14.00	No
		140	5700	12.84	14.00	No
	11ac40	102	5510	11.86	13.00	No
		118	5590	12.08	13.00	No
		134	5670	11.81	13.00	No
5.8G	11a	106	5530	12.18	13.00	No
		122	5610	11.89	13.00	No
		149	5745	13.05	14.00	Yes
	11n20	157	5785	12.84	14.00	No
		165	5825	12.78	14.00	No
		149	5745	12.95	14.00	No
	11n40	157	5785	12.78	14.00	No
		165	5825	12.88	14.00	No
		151	5755	11.88	13.00	No
	11ac20	159	5795	11.92	13.00	No
		149	5745	12.90	14.00	No
		157	5785	12.97	14.00	No
	11ac40	165	5825	12.82	14.00	No
		151	5755	11.94	13.00	No
		159	5795	11.84	13.00	No
	11ac80	155	5775	11.72	13.00	No
Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially. 1)When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR. 2)The largest channel bandwidth configuration is selected among the multiple configurations in a frequency band with the same maximum tune-up output power. 3) When multiple transmission modes (802.11a/n/ac) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11a is chosen over 802.11n then 802.11ac.						

WIFI5G-ANT5-DSI4						
5.2G	Mode	Channel	Frequency (MHz)	AV power (dBm)	Tune up (dBm)	SAR Test
	11a	36	5180	17.23	18.00	No
		44	5220	16.89	18.00	No
		48	5240	16.86	18.00	No
	11n20	36	5180	16.66	18.00	No
		44	5220	16.72	18.00	No
		48	5240	16.91	18.00	No
	11n40	38	5190	16.89	18.00	No
		46	5230	17.08	18.00	No
	11ac20	36	5180	16.97	18.00	No
		44	5220	16.88	18.00	No
		48	5240	16.77	18.00	No
	11ac40	38	5190	16.94	18.00	No
		46	5230	16.88	18.00	No
11ac80	42	5210	16.93	18.00	No	
5.3G	11a	52	5260	16.83	18.00	No
		60	5300	16.84	18.00	No
		64	5320	16.88	18.00	No
	11n20	52	5260	16.77	18.00	No
		60	5300	16.82	18.00	No
		64	5320	16.79	18.00	No
	11n40	54	5270	16.72	18.00	No
		62	5310	16.87	18.00	No
	11ac20	52	5260	16.67	18.00	No
		60	5300	16.76	18.00	No
		64	5320	16.73	18.00	No
	11ac40	54	5270	16.82	18.00	No
		62	5310	16.71	18.00	No
	11ac80	58	5290	17.08	18.00	Yes
	5.6G	11a	100	5500	16.13	17.00
116			5580	16.14	17.00	No
140			5700	16.01	17.00	No
11n20		100	5500	16.17	17.00	No
		116	5580	16.20	17.00	No
		140	5700	16.08	17.00	No
11n40		102	5510	16.07	17.00	No
		118	5590	16.02	17.00	No
		134	5670	16.11	17.00	No
11ac20		100	5500	16.08	17.00	No
		116	5580	16.14	17.00	No
		140	5700	16.03	17.00	No
11ac40		102	5510	16.04	17.00	No
		118	5590	16.04	17.00	No
		134	5670	16.18	17.00	No
11ac80	106	5530	16.45	17.00	Yes	
	122	5610	16.01	17.00	Yes	
5.8G	11a	149	5745	16.65	18.00	No
		157	5785	16.68	18.00	No
		165	5825	16.92	18.00	No
	11n20	149	5745	16.87	18.00	No
		157	5785	16.62	18.00	No
		165	5825	16.83	18.00	No
	11n40	151	5755	16.67	18.00	No
		159	5795	16.67	18.00	No
	11ac20	149	5745	16.88	18.00	No
		157	5785	16.65	18.00	No
		165	5825	16.91	18.00	No
	11ac40	151	5755	16.88	18.00	No
		159	5795	16.63	18.00	No
	11ac80	155	5775	16.97	18.00	Yes
Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially. 1)When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR. 2)The largest channel bandwidth configuration is selected among the multiple configurations in a frequency band with the same maximum tune-up output power. 3) When multiple transmission modes (802.11a/n/ac) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11a is chosen over 802.11n then 802.11ac.						

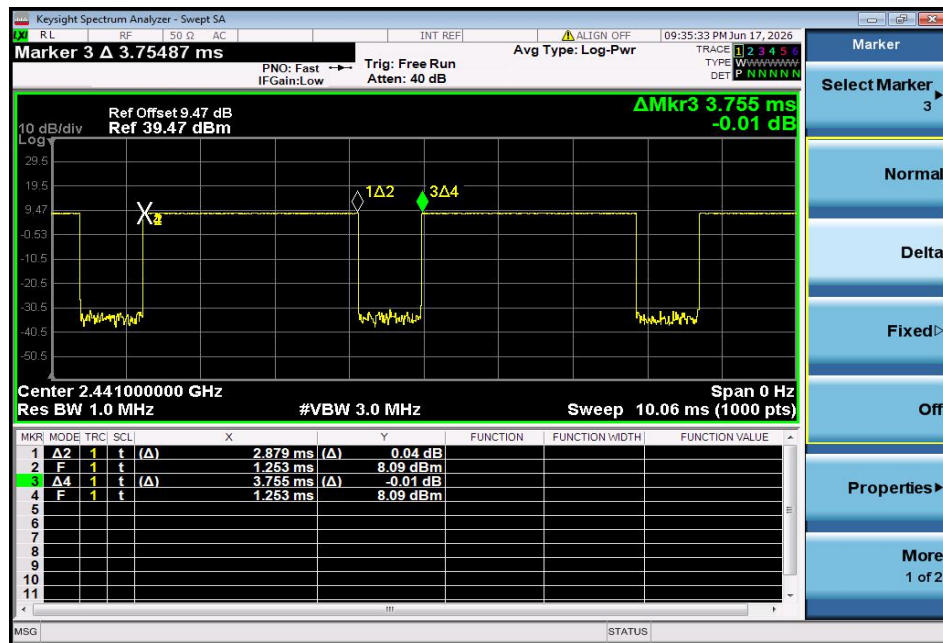
8.8 Bluetooth Output Power

Bluetooth-Ant.2-Full Power						
Test Mode	Modulation	Channel number	Frequency(MHz)	AV power (dBm)	Tune up (dBm))	SAR Test
BT	DH5	0	2402	8.46	9.00	No
		39	2441	8.23	9.00	No
		78	2480	8.95	9.00	Yes
	2DH5	0	2402	5.34	5.50	No
		39	2441	5.05	5.50	No
		78	2480	5.98	5.50	No
	3DH5	0	2402	5.36	5.50	No
		39	2441	5.07	5.50	No
		78	2480	5.91	5.50	No
	BLE-1M	0	2402	7.93	9.50	No
		19	2440	8.14	9.50	No
		39	2480	8.87	9.50	Yes
	BLE-2M	1	2404	8.08	9.50	No
		19	2440	7.98	9.50	No
		38	2478	9.03	9.50	No

Note: Since bluetooth BLE mode is the maximum output power mode, SAR measurements were performed with test software using BLE-1M modulation, and SAR measurement is not required for the BR. When the secondary mode is ≤ ¼ dB higher than the primary mode.

8.9 Bluetooth Duty Cycle

The Bluetooth duty cycle is 76.67% as following figure, according to 2016 Oct. TCB workshop for Bluetooth SAR scaling need further consideration and the maximum duty cycle is 100%, therefore the actual duty cycle will be scaled up to 100% for Bluetooth reported SAR calculation.
Duty Cycle



The Bluetooth duty cycle is 62.84% as following figure, according to 2016 Oct. TCB workshop for Bluetooth SAR scaling need further consideration and the maximum duty cycle is 100%, therefore the actual duty cycle will be scaled up to 100% for Bluetooth reported SAR calculation.
Duty Cycle

