

n66 Ant1 Main PA DSI3

BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	21.14	21.13	21.13	
40	PI/2 BPSK	1	108	21.07	21.12	21.10	
40	PI/2 BPSK	1	214	21.15	21.14	21.10	
40	PI/2 BPSK	108	0	21.12	20.99	21.10	22.0
40	PI/2 BPSK	108	54	21.11	21.07	21.14	
40	PI/2 BPSK	108	108	21.13	21.18	21.11	
40	PI/2 BPSK	216	0	21.14	21.12	21.10	22.0
40	QPSK	1	1	21.11	21.19	21.05	
40	QPSK	1	108	21.11	21.15	21.06	
40	QPSK	1	214	21.14	21.14	21.10	22.0
40	QPSK	108	0	21.08	21.08	21.10	
40	QPSK	108	54	21.10	21.05	21.08	
40	QPSK	108	108	21.08	21.16	21.05	22.0
40	QPSK	216	0	21.06	21.13	21.12	
40	16QAM	1	1	21.08	21.11	21.06	
40	64QAM	1	1	20.69	20.74	20.71	21.0
40	256QAM	1	1	18.65	18.67	18.64	19.0
Channel				345500	349000	352500	Tune-up limit
Frequency (MHz)				1727.5	1745	1762.5	
35	QPSK	1	1	21.13	21.14	21.11	
Channel				345000	349000	353000	Tune-up limit
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	21.17	21.16	21.18	
Channel				344500	349000	353500	Tune-up limit
Frequency (MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	21.16	21.13	21.14	
Channel				344000	349000	354000	Tune-up limit
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	21.13	21.16	21.14	
Channel				343500	349000	344500	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	21.16	21.13	21.15	
Channel				343000	349000	355000	Tune-up limit
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	21.16	21.18	21.13	
Channel				342500	349000	355500	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	21.11	21.15	21.18	

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BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	19.86	19.98	19.97	
40	PI/2 BPSK	1	108	19.92	19.90	19.93	
40	PI/2 BPSK	1	214	19.88	19.81	19.92	
40	PI/2 BPSK	108	0	19.96	19.97	19.86	21.0
40	PI/2 BPSK	108	54	19.93	19.92	19.97	
40	PI/2 BPSK	108	108	19.94	19.95	19.86	
40	PI/2 BPSK	216	0	19.97	19.96	19.95	21.0
40	QPSK	1	1	19.96	20.09	19.95	
40	QPSK	1	108	19.97	19.95	19.92	
40	QPSK	1	214	19.93	19.81	19.94	21.0
40	QPSK	108	0	19.92	19.93	19.90	

40	QPSK	108	54	19.95	19.95	19.88	21.0
40	QPSK	108	108	19.86	19.93	19.85	
40	QPSK	216	0	19.92	19.87	19.97	
40	16QAM	1	1	19.86	20.08	19.86	21.0
40	64QAM	1	1	19.97	19.62	19.90	
40	256QAM	1	1	17.74	17.76	17.71	19.0
Channel				345500	349000	352500	Tune-up limit
Frequency (MHz)				1727.5	1745	1762.5	
35	QPSK	1	1	19.90	19.94	19.96	21.0
Channel				345000	349000	353000	Tune-up limit
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	19.88	19.93	19.95	21.0
Channel				344500	349000	353500	Tune-up limit
Frequency (MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	19.93	19.89	19.86	21.0
Channel				344000	349000	354000	Tune-up limit
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	19.96	19.92	19.94	21.0
Channel				343500	349000	344500	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	19.91	19.92	19.93	21.0
Channel				343000	349000	355000	Tune-up limit
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	19.86	19.93	19.96	21.0
Channel				342500	349000	355500	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	19.90	19.90	19.91	21.0

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BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	Tune-up limit
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	20.96	20.94	21.06	22.0
40	PI/2 BPSK	1	108	20.99	20.98	20.96	
40	PI/2 BPSK	1	214	21.07	21.07	21.08	
40	PI/2 BPSK	108	0	21.00	21.06	21.04	22.0
40	PI/2 BPSK	108	54	20.99	21.01	20.98	
40	PI/2 BPSK	108	108	20.95	21.05	21.03	
40	PI/2 BPSK	216	0	21.07	21.04	21.01	
40	QPSK	1	1	20.97	21.09	21.08	22.0
40	QPSK	1	108	21.06	21.03	20.96	
40	QPSK	1	214	20.96	21.08	21.05	
40	QPSK	108	0	21.00	21.08	20.99	22.0
40	QPSK	108	54	21.02	21.03	20.97	
40	QPSK	108	108	21.03	21.07	21.01	
40	QPSK	216	0	20.97	21.05	21.03	
40	16QAM	1	1	20.95	21.02	21.03	22.0
40	64QAM	1	1	20.51	20.56	20.49	
40	256QAM	1	1	18.61	18.68	18.65	19.0
Channel				345500	349000	352500	Tune-up limit
Frequency (MHz)				1727.5	1745	1762.5	
35	QPSK	1	1	21.02	21.07	20.96	22.0
Channel				345000	349000	353000	Tune-up limit
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	20.96	20.94	20.91	22.0
Channel				344500	349000	353500	Tune-up limit
Frequency (MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	20.92	20.93	20.92	22.0
Channel				344000	349000	354000	Tune-up limit
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	20.95	21.04	21.04	22.0

Channel				343500	349000	344500	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	21.07	21.08	20.98	22.0
Channel				343000	349000	355000	Tune-up limit
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	20.95	21.00	21.02	22.0
Channel				342500	349000	355500	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	21.06	21.02	20.94	22.0

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BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	19.59	19.58	19.45	
20	PI/2 BPSK	1	53	19.48	19.61	19.61	
20	PI/2 BPSK	1	104	19.57	19.48	19.51	
20	PI/2 BPSK	50	0	19.48	19.47	19.67	20.5
20	PI/2 BPSK	50	28	19.49	19.54	19.58	
20	PI/2 BPSK	50	56	19.50	19.51	19.46	
20	PI/2 BPSK	100	0	19.64	19.55	19.57	
20	QPSK	1	1	19.69	19.71	19.67	20.5
20	QPSK	1	53	19.52	19.61	19.52	
20	QPSK	1	104	19.49	19.55	19.51	
20	QPSK	50	0	19.53	19.53	19.67	20.5
20	QPSK	50	28	19.60	19.54	19.66	
20	QPSK	50	56	19.61	19.48	19.60	
20	QPSK	100	0	19.58	19.54	19.53	
20	16QAM	1	1	19.63	19.66	19.48	20.0
20	64QAM	1	1	19.59	19.47	19.61	20.0
20	256QAM	1	1	19.11	19.17	19.15	20.0
Channel				371500	376000	380500	Tune-up limit
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	19.66	19.51	19.65	20.5
Channel				371000	376000	381000	Tune-up limit
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	1	19.50	19.54	19.48	20.5
Channel				370500	376000	381500	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	19.65	19.64	19.53	20.5

n2 Ant4 Other PA DSI3							
BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	19.52	19.60	19.50	
20	PI/2 BPSK	1	53	19.54	19.59	19.62	
20	PI/2 BPSK	1	104	19.59	19.51	19.63	
20	PI/2 BPSK	50	0	19.45	19.47	19.45	20.5
20	PI/2 BPSK	50	28	19.61	19.53	19.48	
20	PI/2 BPSK	50	56	19.60	19.50	19.63	
20	PI/2 BPSK	100	0	19.48	19.54	19.53	
20	QPSK	1	1	19.49	19.65	19.52	20.5
20	QPSK	1	53	19.55	19.62	19.45	
20	QPSK	1	104	19.56	19.55	19.46	
20	QPSK	50	0	19.62	19.53	19.54	20.5
20	QPSK	50	28	19.49	19.54	19.56	

20	QPSK	50	56	19.53	19.46	19.51	20.0
20	QPSK	100	0	19.64	19.53	19.64	
20	16QAM	1	1	19.55	19.62	19.61	
20	64QAM	1	1	19.54	19.59	19.59	
20	256QAM	1	1	19.15	19.18	19.17	
Channel				371500	376000	380500	Tune-up limit
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	19.55	19.55	19.63	20.5
Channel				371000	376000	381000	Tune-up limit
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	1	19.54	19.60	19.51	20.5
Channel				370500	376000	381500	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	19.55	19.48	19.60	20.5

n2 Ant4 Other PA DSI3							
BW(MHz)	Modulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	18.47	18.43	18.51	19.5
20	PI/2 BPSK	1	53	18.44	18.47	18.50	
20	PI/2 BPSK	1	104	18.48	18.48	18.49	
20	PI/2 BPSK	50	0	18.52	18.46	18.50	19.5
20	PI/2 BPSK	50	28	18.43	18.45	18.46	
20	PI/2 BPSK	50	56	18.52	18.36	18.45	
20	PI/2 BPSK	100	0	18.51	18.44	18.51	19.5
20	QPSK	1	1	18.42	18.58	18.50	
20	QPSK	1	53	18.51	18.51	18.51	
20	QPSK	1	104	18.41	18.47	18.50	19.5
20	QPSK	50	0	18.48	18.46	18.52	
20	QPSK	50	28	18.51	18.46	18.42	
20	QPSK	50	56	18.52	18.33	18.42	19.5
20	QPSK	100	0	18.52	18.46	18.42	
20	16QAM	1	1	18.51	18.54	18.53	
20	64QAM	1	1	18.42	18.48	18.47	19.5
20	256QAM	1	1	18.08	18.05	18.02	19.5
Channel				371500	376000	380500	Tune-up limit
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	18.42	18.47	18.47	19.5
Channel				371000	376000	381000	Tune-up limit
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	1	18.52	18.47	18.47	19.5
Channel				370500	376000	381500	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	18.50	18.42	18.49	19.5

n7 An4 DSI3

BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				504000	507000	510000	
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	18.24	18.25	18.15	19.0
40	PI/2 BPSK	1	108	18.16	18.16	18.27	
40	PI/2 BPSK	1	214	18.12	18.20	18.30	
40	PI/2 BPSK	108	0	18.11	18.21	18.19	19.0
40	PI/2 BPSK	108	54	18.21	18.14	18.27	
40	PI/2 BPSK	108	108	18.14	18.15	18.12	
40	PI/2 BPSK	216	0	18.18	18.24	18.26	
40	QPSK	1	1	18.15	18.37	18.11	19.0
40	QPSK	1	108	18.18	18.36	18.19	
40	QPSK	1	214	18.26	18.14	18.14	
40	QPSK	108	0	18.30	18.15	18.19	19.0
40	QPSK	108	54	18.30	18.20	18.20	
40	QPSK	108	108	18.28	18.13	18.25	
40	QPSK	216	0	18.27	18.13	18.23	
40	16QAM	1	1	18.30	18.14	18.26	19.0
40	64QAM	1	1	18.30	18.10	18.21	
40	256QAM	1	1	18.13	18.29	18.14	
Channel				503000	507000	511000	Tune-up limit
Frequency (MHz)				2515	2535	2555	
30	QPSK	1	1	18.24	18.21	18.11	20.5
Channel				502500	507000	511500	Tune-up limit
Frequency (MHz)				2512.5	2535	2557.5	
25	QPSK	1	1	18.29	18.23	18.10	20.5
Channel				502000	507000	512000	Tune-up limit
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	1	18.10	18.12	18.19	20.5
Channel				501500	507000	512000	Tune-up limit
Frequency (MHz)				2507.5	2535	2562.5	
10	QPSK	1	1	18.23	18.23	18.12	20.5
Channel				501000	507000	513000	Tune-up limit
Frequency (MHz)				2505	2535	2565	
5	QPSK	1	1	18.23	18.10	18.24	20.5
Channel				500500	507000	513500	Tune-up limit
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	1	18.17	18.15	18.26	20.5

n66 Ant4 Main PA DSI3

BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	18.59	18.57	18.57	19.5
40	PI/2 BPSK	1	108	18.68	18.70	18.55	
40	PI/2 BPSK	1	214	18.79	18.81	18.74	
40	PI/2 BPSK	108	0	18.69	18.62	18.70	19.5
40	PI/2 BPSK	108	54	18.61	18.68	18.68	
40	PI/2 BPSK	108	108	18.77	18.83	18.79	
40	PI/2 BPSK	216	0	18.73	18.67	18.67	
40	QPSK	1	1	18.82	18.84	18.79	19.5
40	QPSK	1	108	18.67	18.72	18.65	
40	QPSK	1	214	18.56	18.78	18.66	
40	QPSK	108	0	18.68	18.69	18.62	19.5
40	QPSK	108	54	18.67	18.68	18.58	
40	QPSK	108	108	18.79	18.83	18.81	
40	QPSK	216	0	18.67	18.67	18.68	
40	16QAM	1	1	18.56	18.67	18.62	19.5
40	64QAM	1	1	18.63	18.69	18.69	19.5
40	256QAM	1	1	18.57	18.66	18.58	19.5
Channel				18.57	349000	352500	Tune-up limit
Frequency (MHz)				1727.5	1745	1762.5	
35	QPSK	1	1	18.83	18.72	18.76	19.5
Channel				345000	349000	353000	Tune-up limit
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	18.77	18.81	18.81	19.5
Channel				344500	349000	353500	Tune-up limit
Frequency (MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	18.79	18.75	18.75	19.5
Channel				344000	349000	354000	Tune-up limit
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	18.72	18.83	18.76	19.5
Channel				343500	349000	344500	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	18.81	18.82	18.74	19.5
Channel				343000	349000	355000	Tune-up limit
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	18.77	18.81	18.72	19.5
Channel				342500	349000	355500	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	18.83	18.77	18.77	19.5

n66 Ant4 Other PA DSI3

BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	18.53	18.54	18.51	19.5
40	PI/2 BPSK	1	108	18.63	18.70	18.61	
40	PI/2 BPSK	1	214	18.67	18.77	18.67	
40	PI/2 BPSK	108	0	18.75	18.62	18.68	19.5
40	PI/2 BPSK	108	54	18.71	18.68	18.64	
40	PI/2 BPSK	108	108	18.70	18.69	18.61	
40	PI/2 BPSK	216	0	18.72	18.64	18.72	
40	QPSK	1	1	18.75	18.78	18.76	19.5
40	QPSK	1	108	18.69	18.73	18.71	
40	QPSK	1	214	18.61	18.66	18.62	
40	QPSK	108	0	18.62	18.68	18.69	19.5
40	QPSK	108	54	18.61	18.67	18.63	

40	QPSK	108	108	18.64	18.69	18.63	19.5
40	QPSK	216	0	18.67	18.66	18.62	
40	16QAM	1	1	18.60	18.68	18.64	19.5
40	64QAM	1	1	18.60	18.69	18.68	19.5
40	256QAM	1	1	18.70	18.63	18.63	19.5
Channel				345500	349000	352500	Tune-up limit
Frequency (MHz)				1727.5	1745	1762.5	
35	QPSK	1	1	18.63	18.67	18.69	19.5
Channel				345000	349000	353000	Tune-up limit
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	18.67	18.70	18.65	19.5
Channel				344500	349000	353500	Tune-up limit
Frequency (MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	18.71	18.67	18.69	19.5
Channel				344000	349000	354000	Tune-up limit
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	18.75	18.70	18.73	19.5
Channel				343500	349000	344500	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	18.70	18.69	18.74	19.5
Channel				343000	349000	355000	Tune-up limit
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	18.60	18.65	18.63	19.5
Channel				342500	349000	355500	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	18.66	18.60	18.63	19.5

n66 Ant4 Other PA DSI3

BW(MHz)	Modulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	17.0
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	16.45	16.42	16.39	17.0
40	PI/2 BPSK	1	108	16.64	16.67	16.66	
40	PI/2 BPSK	1	214	16.62	16.65	16.62	17.0
40	PI/2 BPSK	108	0	16.64	16.59	16.57	
40	PI/2 BPSK	108	54	16.56	16.61	16.63	17.0
40	PI/2 BPSK	108	108	16.60	16.67	16.58	
40	PI/2 BPSK	216	0	16.58	16.59	16.55	17.0
40	QPSK	1	1	16.62	16.68	16.64	
40	QPSK	1	108	16.62	16.67	16.59	17.0
40	QPSK	1	214	16.59	16.64	16.66	
40	QPSK	108	0	16.62	16.56	16.66	17.0
40	QPSK	108	54	16.60	16.66	16.60	
40	QPSK	108	108	16.57	16.65	16.62	17.0
40	QPSK	216	0	16.59	16.66	16.66	
40	16QAM	1	1	16.59	16.56	16.57	17.0
40	64QAM	1	1	16.58	16.55	16.58	
40	256QAM	1	1	16.55	16.54	16.52	17.0
Channel				345500	349000	352500	Tune-up limit
Frequency (MHz)				1727.5	1745	1762.5	
35	QPSK	1	1	16.65	16.59	16.57	17.0
Channel				345000	349000	353000	Tune-up limit
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	16.61	16.59	16.66	17.0
Channel				344500	349000	353500	Tune-up limit
Frequency (MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	16.57	16.47	16.50	17.0
Channel				344000	349000	354000	Tune-up limit
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	16.57	16.52	16.53	17.0

Channel				343500	349000	344500	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	16.49	16.60	16.60	17.0
Channel				343000	349000	355000	Tune-up limit
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	16.56	16.56	16.65	17.0
Channel				342500	349000	355500	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	16.66	16.51	16.66	17.0

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BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Ture-up Limit (dBm)
Channel					633332		17.5
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		16.86		17.5
100	PI/2 BPSK	1	137		16.78		
100	PI/2 BPSK	1	271		16.76		
100	PI/2 BPSK	135	0		16.68		17.5
100	PI/2 BPSK	135	69		16.62		
100	PI/2 BPSK	135	138		16.64		
100	PI/2 BPSK	270	0		16.68		17.5
100	QPSK	1	1		16.87		
100	QPSK	1	137		16.81		
100	QPSK	1	271		16.74		17.5
100	QPSK	135	0		16.69		
100	QPSK	135	69		16.63		
100	QPSK	135	138		16.58		17.5
100	QPSK	270	0		16.70		
100	16QAM	1	1		16.84		
100	64QAM	1	1		16.83		17.5
100	256QAM	1	1		16.83		
Channel				633000	633332	633666	Ture-up Limit
Frequency (MHz)				3495	3499.98	3504.99	
90	QPSK	1	1	16.84	16.71	16.61	17.5
Channel				632668	633332	634000	Ture-up Limit
Frequency (MHz)				3490.02	3499.98	3510	
80	QPSK	1	1	16.78	16.62	16.68	17.5
Channel				632334	633332	634332	Ture-up Limit
Frequency (MHz)				3485.01	3499.98	3514.98	
70	QPSK	1	1	16.74	16.60	16.81	17.5
Channel				632000	633332	634666	Ture-up Limit
Frequency (MHz)				3480	3499.98	3519.99	
60	QPSK	1	1	16.66	16.80	16.61	17.5
Channel				631668	633332	635000	Ture-up Limit
Frequency (MHz)				3475.02	3499.98	3525	
50	QPSK	1	1	16.79	16.79	16.77	17.5
Channel				631334	633332	635332	Ture-up Limit
Frequency (MHz)				3470.01	3499.98	3529.98	
40	QPSK	1	1	16.81	16.62	16.61	17.5
Channel				631000	633332	635666	Ture-up Limit
Frequency (MHz)				3465	3499.98	3534.99	
30	QPSK	1	1	16.71	16.76	16.62	17.5
Channel				630668	633332	636000	Ture-up Limit
Frequency (MHz)				3460.02	3499.98	3540	
20	QPSK	1	1	16.63	16.69	16.60	17.5
Channel				630501	633332	636167	Ture-up Limit
Frequency (MHz)				3457.52	3499.98	3542.5	
15	QPSK	1	1	16.75	16.72	16.83	17.5
Channel				630335	633332	636333	Ture-up Limit
Frequency (MHz)				3455.02	3499.98	3545	
10	QPSK	1	1	16.77	16.65	16.60	17.5

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BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Ture-up Limit (dBm)
Channel					633332		22.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		21.57		22.0
100	PI/2 BPSK	1	137		21.54		
100	PI/2 BPSK	1	271		21.40		
100	PI/2 BPSK	135	0		21.43		22.0
100	PI/2 BPSK	135	69		21.39		
100	PI/2 BPSK	135	138		21.35		
100	PI/2 BPSK	270	0		21.38		22.0
100	QPSK	1	1		21.59		
100	QPSK	1	137		21.47		
100	QPSK	1	271		21.42		22.0
100	QPSK	135	0		20.87		
100	QPSK	135	69		21.37		
100	QPSK	135	138		20.61		22.0
100	QPSK	270	0		20.75		
100	16QAM	1	1		21.09		
100	64QAM	1	1		19.57		20.0
100	256QAM	1	1		17.55		18.0
Channel				633000	633332	633666	Ture-up Limit
Frequency (MHz)				3495	3499.98	3504.99	
90	QPSK	1	1	21.45	21.39	21.58	22.0
Channel				632668	633332	634000	Ture-up Limit
Frequency (MHz)				3490.02	3499.98	3510	
80	QPSK	1	1	21.49	21.40	21.55	22.0
Channel				632334	633332	634332	Ture-up Limit
Frequency (MHz)				3485.01	3499.98	3514.98	
70	QPSK	1	1	21.39	21.46	21.49	22.0
Channel				632000	633332	634666	Ture-up Limit
Frequency (MHz)				3480	3499.98	3519.99	
60	QPSK	1	1	21.58	21.44	21.46	22.0
Channel				631668	633332	635000	Ture-up Limit
Frequency (MHz)				3475.02	3499.98	3525	
50	QPSK	1	1	21.54	21.54	21.51	22.0
Channel				631334	633332	635332	Ture-up Limit
Frequency (MHz)				3470.01	3499.98	3529.98	
40	QPSK	1	1	21.55	21.39	21.39	22.0
Channel				631000	633332	635666	Ture-up Limit
Frequency (MHz)				3465	3499.98	3534.99	
30	QPSK	1	1	21.46	21.43	21.55	22.0
Channel				630668	633332	636000	Ture-up Limit
Frequency (MHz)				3460.02	3499.98	3540	
20	QPSK	1	1	21.47	21.43	21.49	22.0
Channel				630501	633332	636167	Ture-up Limit
Frequency (MHz)				3457.52	3499.98	3542.5	
15	QPSK	1	1	21.41	21.57	21.51	22.0
Channel				630335	633332	636333	Ture-up Limit
Frequency (MHz)				3455.02	3499.98	3545	
10	QPSK	1	1	21.52	21.44	21.57	22.0

n2 Ant1 Main PA DSI7

BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	20.11	20.18	20.16	
20	PI/2 BPSK	1	53	20.38	20.41	20.35	
20	PI/2 BPSK	1	104	20.41	20.43	20.39	
20	PI/2 BPSK	50	0	20.30	20.30	20.36	21.0
20	PI/2 BPSK	50	28	20.30	20.30	20.34	
20	PI/2 BPSK	50	56	20.37	20.36	20.31	
20	PI/2 BPSK	100	0	20.38	20.32	20.29	21.0
20	QPSK	1	1	20.52	20.55	20.54	
20	QPSK	1	53	20.39	20.43	20.38	
20	QPSK	1	104	20.41	20.45	20.43	21.0
20	QPSK	50	0	20.34	20.29	20.34	
20	QPSK	50	28	20.37	20.37	20.29	
20	QPSK	50	56	20.35	20.35	20.35	21.0
20	QPSK	100	0	20.35	20.33	20.34	
20	16QAM	1	1	20.37	20.33	20.30	
20	64QAM	1	1	20.31	20.32	20.33	21.0
20	256QAM	1	1	18.71	18.75	18.74	19.0
Channel				371500	376000	380500	Tune-up limit
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	20.30	20.37	20.29	21.0
Channel				371000	376000	381000	Tune-up limit
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	1	20.38	20.28	20.33	21.0
Channel				370500	376000	381500	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	20.31	20.28	20.34	21.0

n2 Ant1 Other PA DSI7

BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	19.60	19.53	19.57	
20	PI/2 BPSK	1	53	19.57	19.66	19.57	
20	PI/2 BPSK	1	104	19.55	19.64	19.64	
20	PI/2 BPSK	50	0	19.59	19.65	19.60	20.0
20	PI/2 BPSK	50	28	19.62	19.63	19.60	
20	PI/2 BPSK	50	56	19.56	19.58	19.61	
20	PI/2 BPSK	100	0	19.56	19.59	19.62	20.0
20	QPSK	1	1	19.63	19.67	19.60	
20	QPSK	1	53	19.65	19.57	19.63	
20	QPSK	1	104	19.55	19.66	19.59	20.0
20	QPSK	50	0	19.56	19.60	19.61	
20	QPSK	50	28	19.59	19.62	19.59	
20	QPSK	50	56	19.60	19.57	19.56	20.0
20	QPSK	100	0	19.56	19.58	19.64	
20	16QAM	1	1	19.60	19.65	19.62	
20	64QAM	1	1	19.61	19.61	19.64	20.0
20	256QAM	1	1	18.08	18.10	18.05	19.0
Channel				371500	376000	380500	Tune-up limit
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	19.60	19.59	19.56	20.0
Channel				371000	376000	381000	Tune-up limit
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	1	19.56	19.61	19.58	20.0
Channel				370500	376000	381500	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	19.64	19.55	19.56	20.0

n7 Ant1 DSI7

BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				504000	507000	510000	
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	19.95	19.91	19.92	21.0
40	PI/2 BPSK	1	108	19.92	20.00	19.88	
40	PI/2 BPSK	1	214	19.87	19.99	19.94	
40	PI/2 BPSK	108	0	19.89	19.89	19.96	21.0
40	PI/2 BPSK	108	54	19.97	19.88	19.95	
40	PI/2 BPSK	108	108	19.95	19.92	19.87	
40	PI/2 BPSK	216	0	19.94	19.98	19.96	
40	QPSK	1	1	20.03	20.09	20.07	21.0
40	QPSK	1	108	19.96	19.95	19.95	
40	QPSK	1	214	19.97	20.01	19.88	
40	QPSK	108	0	19.88	19.84	19.89	21.0
40	QPSK	108	54	19.97	19.95	19.89	
40	QPSK	108	108	19.89	19.94	19.88	
40	QPSK	216	0	19.95	19.96	19.97	
40	16QAM	1	1	19.97	20.08	19.86	21.0
40	64QAM	1	1	19.91	20.06	19.94	21.0
40	256QAM	1	1	19.14	19.12	19.09	20.0
Channel				503000	507000	511000	Tune-up limit
Frequency (MHz)				2515	2535	2555	
30	QPSK	1	1	19.96	19.95	19.90	21.0
Channel				502500	507000	511500	Tune-up limit
Frequency (MHz)				2512.5	2535	2557.5	
25	QPSK	1	1	19.92	19.86	19.93	21.0
Channel				502000	507000	512000	Tune-up limit
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	1	19.90	19.91	19.86	21.0
Channel				501500	507000	512000	Tune-up limit
Frequency (MHz)				2507.5	2535	2562.5	
10	QPSK	1	1	19.94	19.96	19.86	21.0
Channel				501000	507000	513000	Tune-up limit
Frequency (MHz)				2505	2535	2565	
5	QPSK	1	1	19.85	19.86	19.93	21.0
Channel				500500	507000	513500	Tune-up limit
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	1	19.85	19.85	19.97	21.0

n66 Ant1 Main PA DSI7

BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	21.14	21.05	21.15	22.0
40	PI/2 BPSK	1	108	21.17	21.16	21.15	
40	PI/2 BPSK	1	214	21.17	21.20	21.18	
40	PI/2 BPSK	108	0	21.03	20.97	21.12	22.0
40	PI/2 BPSK	108	54	21.14	21.01	21.17	
40	PI/2 BPSK	108	108	21.18	21.19	21.12	
40	PI/2 BPSK	216	0	21.06	21.11	21.03	
40	QPSK	1	1	21.21	21.24	21.19	22.0
40	QPSK	1	108	21.03	21.18	21.05	
40	QPSK	1	214	21.04	21.21	21.10	
40	QPSK	108	0	21.15	20.98	21.08	22.0
40	QPSK	108	54	21.07	21.02	21.13	
40	QPSK	108	108	21.14	21.23	21.11	
40	QPSK	216	0	21.08	21.10	21.11	
40	16QAM	1	1	21.13	21.05	21.04	22.0
40	64QAM	1	1	20.46	20.57	20.41	21.0
40	256QAM	1	1	18.55	18.58	18.52	19.0
Channel				345500	349000	352500	Tune-up limit
Frequency (MHz)				1727.5	1745	1762.5	
35	QPSK	1	1	21.20	21.22	21.22	22.0
Channel				345000	349000	353000	Tune-up limit
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	21.21	21.21	21.22	22.0
Channel				344500	349000	353500	Tune-up limit
Frequency (MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	21.19	21.19	21.16	22.0
Channel				344000	349000	354000	Tune-up limit
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	21.20	21.15	21.18	22.0
Channel				343500	349000	344500	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	21.14	21.18	21.18	22.0
Channel				343000	349000	355000	Tune-up limit
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	21.21	21.20	21.16	22.0
Channel				342500	349000	355500	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	21.16	21.18	21.20	22.0

n66 Ant1 Other PA

BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	20.29	20.36	20.30	21.0
40	PI/2 BPSK	1	108	20.33	20.33	20.30	
40	PI/2 BPSK	1	214	20.28	20.28	20.26	
40	PI/2 BPSK	108	0	20.25	20.31	20.27	21.0
40	PI/2 BPSK	108	54	20.29	20.26	20.29	
40	PI/2 BPSK	108	108	20.32	20.33	20.30	
40	PI/2 BPSK	216	0	20.28	20.26	20.25	
40	QPSK	1	1	20.47	20.49	20.35	21.0
40	QPSK	1	108	20.39	20.37	20.35	
40	QPSK	1	214	20.33	20.32	20.33	
40	QPSK	108	0	20.38	20.30	20.31	21.0
40	QPSK	108	54	20.36	20.31	20.32	

40	QPSK	108	108	20.35	20.35	20.35	21.0
40	QPSK	216	0	20.32	20.36	20.38	
40	16QAM	1	1	20.41	20.44	20.39	21.0
40	64QAM	1	1	19.92	19.97	19.95	21.0
40	256QAM	1	1	17.85	17.89	17.88	19.0
Channel				345500	349000	352500	Tune-up limit
Frequency (MHz)				1727.5	1745	1762.5	
35	QPSK	1	1	20.32	20.36	20.37	21.0
Channel				345000	349000	353000	Tune-up limit
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	20.33	20.33	20.30	21.0
Channel				344500	349000	353500	Tune-up limit
Frequency (MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	20.35	20.38	20.32	21.0
Channel				344000	349000	354000	Tune-up limit
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	20.39	20.38	20.36	21.0
Channel				343500	349000	344500	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	20.31	20.34	20.30	21.0
Channel				343000	349000	355000	Tune-up limit
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	20.35	20.37	20.37	21.0
Channel				342500	349000	355500	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	20.38	20.37	20.36	21.0

n66 Ant1 Other PA

BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	20.0
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	19.58	19.45	19.63	20.0
40	PI/2 BPSK	1	108	19.56	19.51	19.62	
40	PI/2 BPSK	1	214	19.62	19.62	19.57	
40	PI/2 BPSK	108	0	19.49	19.47	19.51	20.0
40	PI/2 BPSK	108	54	19.46	19.49	19.46	
40	PI/2 BPSK	108	108	19.62	19.62	19.54	
40	PI/2 BPSK	216	0	19.46	19.54	19.51	20.0
40	QPSK	1	1	19.46	19.64	19.48	
40	QPSK	1	108	19.62	19.47	19.61	
40	QPSK	1	214	19.55	19.62	19.52	20.0
40	QPSK	108	0	19.61	19.40	19.52	
40	QPSK	108	54	19.61	19.51	19.59	
40	QPSK	108	108	19.59	19.63	19.52	20.0
40	QPSK	216	0	19.60	19.56	19.63	
40	16QAM	1	1	19.62	19.54	19.54	
40	64QAM	1	1	19.55	19.61	19.55	20.0
40	256QAM	1	1	18.52	18.54	18.51	19.0
Channel				345500	349000	352500	Tune-up limit
Frequency (MHz)				1727.5	1745	1762.5	
35	QPSK	1	1	19.58	19.45	19.63	20.0
Channel				345000	349000	353000	Tune-up limit
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	19.55	19.46	19.62	20.0
Channel				344500	349000	353500	Tune-up limit
Frequency (MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	19.52	19.49	19.45	20.0
Channel				344000	349000	354000	Tune-up limit
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	19.62	19.56	19.57	20.0
Channel				343500	349000	344500	Tune-up

	Frequency (MHz)			1717.5	1745	1772.5	limit
15	QPSK	1	1	19.52	19.49	19.55	20.0
	Channel			343000	349000	355000	Tune-up limit
	Frequency (MHz)			1715	1745	1775	
10	QPSK	1	1	19.47	19.60	19.50	20.0
	Channel			342500	349000	355500	Tune-up limit
	Frequency (MHz)			1712.5	1745	1777.5	
5	QPSK	1	1	19.52	19.56	19.54	20.0

n38 Ant1 DSI7

BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				518004	519000	519996	20.0
Frequency (MHz)				2590.02	2595	2599.98	
40	PI/2 BPSK	1	1	19.27	19.17	19.24	20.0
40	PI/2 BPSK	1	108	19.28	19.26	19.32	
40	PI/2 BPSK	1	214	19.05	19.25	19.34	
40	PI/2 BPSK	108	0	19.12	19.34	19.15	20.0
40	PI/2 BPSK	108	54	19.36	19.05	19.13	
40	PI/2 BPSK	108	108	19.02	19.07	19.03	
40	PI/2 BPSK	216	0	19.27	19.20	19.22	20.0
40	QPSK	1	1	19.33	19.45	19.36	
40	QPSK	1	108	19.19	19.04	19.28	
40	QPSK	1	214	19.13	19.38	19.38	20.0
40	QPSK	108	0	19.30	19.37	19.29	
40	QPSK	108	54	19.34	19.16	19.05	
40	QPSK	108	108	19.21	19.37	19.02	20.0
40	QPSK	216	0	19.10	19.15	19.35	
40	16QAM	1	1	19.29	19.13	19.01	
40	64QAM	1	1	19.02	19.31	19.03	20.0
40	256QAM	1	1	19.02	19.09	19.29	20.0
Channel				517002	519000	520998	20.0
Frequency (MHz)				2585.01	2595	2604.99	
30	QPSK	1	1	19.13	19.02	19.22	20.0
Channel				516000	519000	522000	20.0
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	1	19.15	19.13	19.39	20.0
Channel				515500	519000	522500	20.0
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	1	19.37	19.36	19.11	20.0
Channel				515000	519000	523000	20.0
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	1	19.05	19.01	19.38	20.0

n41 Ant1 DSI7

BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				509202	518596	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	19.39	19.32	19.43	20.0
100	PI/2 BPSK	1	137	19.39	19.36	19.33	
100	PI/2 BPSK	1	271	19.45	19.38	19.34	
100	PI/2 BPSK	135	0	19.35	19.47	19.44	20.0
100	PI/2 BPSK	135	69	19.42	19.29	19.41	
100	PI/2 BPSK	135	138	19.34	19.33	19.43	
100	PI/2 BPSK	270	0	19.43	19.37	19.41	
100	QPSK	1	1	19.43	19.48	19.41	20.0
100	QPSK	1	137	19.40	19.38	19.43	
100	QPSK	1	271	19.45	19.41	19.34	
100	QPSK	135	0	19.42	19.45	19.36	20.0
100	QPSK	135	69	19.36	19.37	19.40	
100	QPSK	135	138	19.43	19.36	19.34	
100	QPSK	270	0	19.35	19.38	19.33	
100	16QAM	1	1	19.14	19.18	19.17	20.0
100	64QAM	1	1	19.06	19.15	19.09	20.0
100	256QAM	1	1	19.08	19.05	19.07	20.0
Channel				508200	52	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	QPSK	1	1	19.44	19.43	19.32	20.0
Channel				507204	518596	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	QPSK	1	1	19.39	19.35	19.41	20.0
Channel				506202	518596	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	QPSK	1	1	19.33	19.32	19.34	20.0
Channel				505200	518596	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	QPSK	1	1	19.33	19.32	19.37	20.0
Channel				504204	518596	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	QPSK	1	1	19.37	19.37	19.37	20.0
Channel				503202	518596	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	QPSK	1	1	19.42	19.32	19.32	20.0
Channel				502200	518596	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	19.32	19.32	19.34	20.0
Channel				501204	518596	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	1	19.34	19.35	19.39	20.0
Channel				500703	518596	536499	Tune-up limit (dBm)
Frequency (MHz)				2503.52	2592.99	2682.49	
15	QPSK	1	1	19.42	19.32	19.32	20.0
Channel				500205	518596	536997	Tune-up limit (dBm)
Frequency (MHz)				2501.02	2592.99	2684.99	
10	QPSK	1	1	19.39	19.37	19.41	20.0

n2 Ant4 Main PA DSI7

BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	17.35	17.38	17.43	
20	PI/2 BPSK	1	53	17.37	17.39	17.38	
20	PI/2 BPSK	1	104	17.37	17.33	17.44	
20	PI/2 BPSK	50	0	17.36	17.45	17.43	18.0
20	PI/2 BPSK	50	28	17.34	17.36	17.44	
20	PI/2 BPSK	50	56	17.39	17.34	17.40	
20	PI/2 BPSK	100	0	17.33	17.41	17.40	
20	QPSK	1	1	17.41	17.49	17.43	18.0
20	QPSK	1	53	17.41	17.43	17.42	
20	QPSK	1	104	17.42	17.32	17.42	
20	QPSK	50	0	17.36	17.42	17.35	18.0
20	QPSK	50	28	17.40	17.38	17.36	
20	QPSK	50	56	17.43	17.38	17.35	
20	QPSK	100	0	17.41	17.39	17.40	
20	16QAM	1	1	17.33	17.48	17.39	18.0
20	64QAM	1	1	17.42	17.46	17.38	18.0
20	256QAM	1	1	17.33	17.41	17.45	18.0
Channel				371500	376000	380500	Tune-up limit
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	17.39	17.42	17.39	18.0
Channel				371000	376000	381000	Tune-up limit
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	1	17.42	17.41	17.33	18.0
Channel				370500	376000	381500	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	17.45	17.42	17.33	18.0

n2 Ant4 Other PA DSI7

BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	17.38	17.40	17.33	
20	PI/2 BPSK	1	53	17.32	17.37	17.34	
20	PI/2 BPSK	1	104	17.36	17.35	17.35	
20	PI/2 BPSK	50	0	17.34	17.32	17.32	18.0
20	PI/2 BPSK	50	28	17.31	17.38	17.39	
20	PI/2 BPSK	50	56	17.36	17.37	17.35	
20	PI/2 BPSK	100	0	17.38	17.36	17.30	
20	QPSK	1	1	17.35	17.42	17.31	18.0
20	QPSK	1	53	17.32	17.37	17.38	
20	QPSK	1	104	17.30	17.32	17.35	
20	QPSK	50	0	17.29	17.33	17.30	18.0
20	QPSK	50	28	17.33	17.40	17.36	
20	QPSK	50	56	17.37	17.34	17.29	
20	QPSK	100	0	17.39	17.38	17.33	
20	16QAM	1	1	17.33	17.41	17.29	18.0
20	64QAM	1	1	17.30	17.39	17.33	18.0
20	256QAM	1	1	17.29	17.35	17.37	18.0
Channel				371500	376000	380500	Tune-up limit
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	17.39	17.36	17.39	18.0
Channel				371000	376000	381000	Tune-up limit
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	1	17.38	17.35	17.34	18.0
Channel				370500	376000	381500	Tune-up

Frequency (MHz)				1852.5	1880	1907.5	limit
5	PI/2 BPSK	1	1	17.29	17.36	17.37	18.0

n2 Ant4 Other PA DSI7

BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	15.40	15.42	15.48	
20	PI/2 BPSK	1	53	15.49	15.32	15.53	16.0
20	PI/2 BPSK	1	104	15.38	15.44	15.33	
20	PI/2 BPSK	50	0	15.23	15.26	15.29	
20	PI/2 BPSK	50	28	15.33	15.30	15.48	
20	PI/2 BPSK	50	56	15.51	15.34	15.43	16.0
20	PI/2 BPSK	100	0	15.34	15.37	15.37	
20	QPSK	1	1	15.33	15.55	15.39	
20	QPSK	1	53	15.47	15.35	15.43	
20	QPSK	1	104	15.53	15.45	15.42	
20	QPSK	50	0	15.31	15.28	15.25	
20	QPSK	50	28	15.52	15.33	15.42	
20	QPSK	50	56	15.50	15.37	15.33	16.0
20	QPSK	100	0	15.34	15.34	15.35	
20	16QAM	1	1	15.45	15.47	15.30	
20	64QAM	1	1	15.53	15.46	15.48	
20	256QAM	1	1	15.50	15.54	15.35	16.0
Channel				371500	376000	380500	Tune-up limit
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	15.49	15.40	15.49	16.0
Channel				371000	376000	381000	Tune-up limit
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	1	15.35	15.42	15.32	16.0
Channel				370500	376000	381500	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	15.48	15.34	15.50	16.0

n7 Ant4 DSI7

BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				504000	507000	510000	
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	15.08	15.02	15.08	16.0
40	PI/2 BPSK	1	108	15.21	15.27	15.09	
40	PI/2 BPSK	1	214	15.19	15.23	15.13	
40	PI/2 BPSK	108	0	15.09	15.21	15.23	16.0
40	PI/2 BPSK	108	54	15.16	15.24	15.06	
40	PI/2 BPSK	108	108	15.05	15.16	15.16	
40	PI/2 BPSK	216	0	15.09	15.25	15.10	
40	QPSK	1	1	15.15	15.28	15.06	16.0
40	QPSK	1	108	15.08	15.26	15.10	
40	QPSK	1	214	15.22	15.25	15.18	
40	QPSK	108	0	15.11	15.25	15.20	16.0
40	QPSK	108	54	15.16	15.27	15.19	
40	QPSK	108	108	15.20	15.15	15.17	
40	QPSK	216	0	15.12	15.27	15.22	
40	16QAM	1	1	15.13	15.16	15.13	16.0
40	64QAM	1	1	15.17	15.08	15.20	16.0
40	256QAM	1	1	15.15	15.18	15.18	16.0
Channel				503000	507000	511000	Tune-up limit
Frequency (MHz)				2515	2535	2555	
30	QPSK	1	1	15.20	15.05	15.11	16.0
Channel				502500	507000	511500	Tune-up limit
Frequency (MHz)				2512.5	2535	2557.5	
25	QPSK	1	1	15.17	15.16	15.20	16.0
Channel				502000	507000	512000	Tune-up limit
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	1	15.11	15.24	15.12	16.0
Channel				501500	507000	512000	Tune-up limit
Frequency (MHz)				2507.5	2535	2562.5	
10	QPSK	1	1	15.22	15.08	15.05	16.0
Channel				501000	507000	513000	Tune-up limit
Frequency (MHz)				2505	2535	2565	
5	QPSK	1	1	15.17	15.18	15.12	16.0
Channel				500500	507000	513500	Tune-up limit
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	1	15.18	15.13	15.06	16.0

n66 Ant4 Main PA DSI7

BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	15.89	15.88	15.92	17.0
40	PI/2 BPSK	1	108	15.68	15.64	16.02	
40	PI/2 BPSK	1	214	15.89	15.71	15.99	
40	PI/2 BPSK	108	0	15.87	15.84	15.95	17.0
40	PI/2 BPSK	108	54	15.88	15.65	15.93	
40	PI/2 BPSK	108	108	15.96	15.69	16.02	
40	PI/2 BPSK	216	0	15.93	15.78	15.95	
40	QPSK	1	1	15.86	16.03	15.95	17.0
40	QPSK	1	108	15.87	15.79	15.89	
40	QPSK	1	214	16.01	15.69	16.02	
40	QPSK	108	0	15.98	15.84	16.02	17.0
40	QPSK	108	54	15.85	15.66	15.97	
40	QPSK	108	108	15.71	15.68	15.76	
40	QPSK	216	0	15.92	15.80	15.91	
40	16QAM	1	1	15.87	15.87	15.85	16.0
40	64QAM	1	1	15.87	15.80	15.93	16.0
40	256QAM	1	1	16.01	16.01	15.85	16.0
Channel				345500	349000	352500	Tune-up limit
Frequency (MHz)				1727.5	1745	1762.5	
35	QPSK	1	1	16.02	15.84	15.99	17.0
Channel				345000	349000	353000	Tune-up limit
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	15.94	15.89	15.94	17.0
Channel				344500	349000	353500	Tune-up limit
Frequency (MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	15.95	15.98	15.91	17.0
Channel				344000	349000	354000	Tune-up limit
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	15.81	15.99	15.85	17.0
Channel				343500	349000	344500	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	15.92	15.89	16.02	17.0
Channel				343000	349000	355000	Tune-up limit
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	16.02	15.93	15.89	17.0
Channel				342500	349000	355500	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	15.88	15.82	15.96	17.0

n66 Ant4 Other PA DSI7

BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	15.86	15.85	15.86	17.0
40	PI/2 BPSK	1	108	15.80	15.77	15.85	
40	PI/2 BPSK	1	214	15.90	15.67	15.77	
40	PI/2 BPSK	108	0	15.85	15.86	15.92	17.0
40	PI/2 BPSK	108	54	15.80	15.76	15.84	
40	PI/2 BPSK	108	108	15.95	15.66	15.86	
40	PI/2 BPSK	216	0	15.89	15.73	15.83	
40	QPSK	1	1	15.86	15.98	15.87	17.0
40	QPSK	1	108	15.84	15.69	15.93	
40	QPSK	1	214	15.79	15.70	15.89	
40	QPSK	108	0	15.86	15.85	15.81	17.0
40	QPSK	108	54	15.77	15.68	15.84	

40	QPSK	108	108	15.89	15.69	15.76	17.0
40	QPSK	216	0	15.93	15.80	15.91	17.0
40	16QAM	1	1	15.79	15.97	15.91	17.0
40	64QAM	1	1	15.82	15.92	15.76	17.0
40	256QAM	1	1	15.81	15.96	15.83	17.0
Channel				345500	349000	352500	Tune-up limit
Frequency (MHz)				1727.5	1745	1762.5	
35	QPSK	1	1	15.91	15.95	15.78	17.0
Channel				345000	349000	353000	Tune-up limit
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	15.86	15.91	15.86	17.0
Channel				344500	349000	353500	Tune-up limit
Frequency (MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	15.76	15.86	15.94	17.0
Channel				344000	349000	354000	Tune-up limit
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	15.85	15.85	15.85	17.0
Channel				343500	349000	344500	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	15.78	15.93	15.82	17.0
Channel				343000	349000	355000	Tune-up limit
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	15.84	15.90	15.82	17.0
Channel				342500	349000	355500	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	15.86	15.82	15.75	17.0

n66 Ant4 Other PA DSI7

BW(MHz)	Modulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	15.0
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	14.02	14.07	14.09	15.0
40	PI/2 BPSK	1	108	14.25	14.30	14.37	
40	PI/2 BPSK	1	214	14.23	14.28	14.21	
40	PI/2 BPSK	108	0	14.30	14.20	14.25	15.0
40	PI/2 BPSK	108	54	14.33	14.22	14.20	
40	PI/2 BPSK	108	108	14.26	14.34	14.30	
40	PI/2 BPSK	216	0	14.37	14.23	14.32	15.0
40	QPSK	1	1	14.32	14.39	14.31	
40	QPSK	1	108	14.25	14.22	14.35	
40	QPSK	1	214	14.22	14.30	14.38	15.0
40	QPSK	108	0	14.32	14.24	14.28	
40	QPSK	108	54	14.37	14.25	14.38	
40	QPSK	108	108	14.27	14.35	14.28	15.0
40	QPSK	216	0	14.31	14.23	14.35	
40	16QAM	1	1	14.27	14.19	14.32	
40	64QAM	1	1	14.38	14.16	14.36	15.0
40	256QAM	1	1	14.35	14.31	14.27	15.0
Channel				345500	349000	352500	Tune-up limit
Frequency (MHz)				1727.5	1745	1762.5	
35	QPSK	1	1	14.21	14.26	14.23	15.0
Channel				345000	349000	353000	Tune-up limit
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	14.39	14.31	14.22	15.0
Channel				344500	349000	353500	Tune-up limit
Frequency (MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	14.32	14.36	14.26	15.0
Channel				344000	349000	354000	Tune-up limit
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	14.28	14.28	14.36	15.0

Channel				343500	349000	344500	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	14.21	14.33	14.39	15.0
Channel				343000	349000	355000	Tune-up limit
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	14.36	14.23	14.24	15.0
Channel				342500	349000	355500	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	14.38	14.37	14.27	15.0

n78 Ant2 DSI7

BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Ture-up Limit (dBm)
Channel					633332		13.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		12.22		13.0
100	PI/2 BPSK	1	137		12.27		
100	PI/2 BPSK	1	271		12.22		
100	PI/2 BPSK	135	0		12.16		13.0
100	PI/2 BPSK	135	69		12.07		
100	PI/2 BPSK	135	138		12.13		
100	PI/2 BPSK	270	0		12.11		13.0
100	QPSK	1	1		12.60		
100	QPSK	1	137		12.28		
100	QPSK	1	271		12.25		13.0
100	QPSK	135	0		12.18		
100	QPSK	135	69		12.12		
100	QPSK	135	138		12.14		13.0
100	QPSK	270	0		12.09		
100	16QAM	1	1		12.31		
100	64QAM	1	1		12.30		13.0
100	256QAM	1	1		12.31		13.0
Channel				633000	633332	633666	Ture-up Limit
Frequency (MHz)				3495	3499.98	3504.99	
90	QPSK	1	1	12.46	12.37	12.42	13.0
Channel				632668	633332	634000	Ture-up Limit
Frequency (MHz)				3490.02	3499.98	3510	
80	QPSK	1	1	12.54	12.58	12.37	13.0
Channel				632334	633332	634332	Ture-up Limit
Frequency (MHz)				3485.01	3499.98	3514.98	
70	QPSK	1	1	12.49	12.53	12.36	13.0
Channel				632000	633332	634666	Ture-up Limit
Frequency (MHz)				3480	3499.98	3519.99	
60	QPSK	1	1	12.35	12.49	12.39	13.0
Channel				631668	633332	635000	Ture-up Limit
Frequency (MHz)				3475.02	3499.98	3525	
50	QPSK	1	1	12.36	12.38	12.36	13.0
Channel				631334	633332	635332	Ture-up Limit
Frequency (MHz)				3470.01	3499.98	3529.98	
40	QPSK	1	1	12.50	12.49	12.52	13.0
Channel				631000	633332	635666	Ture-up Limit
Frequency (MHz)				3465	3499.98	3534.99	
30	QPSK	1	1	12.57	12.49	12.55	13.0
Channel				630668	633332	636000	Ture-up Limit
Frequency (MHz)				3460.02	3499.98	3540	
20	QPSK	1	1	12.58	12.41	12.47	13.0
Channel				630501	633332	636167	Ture-up Limit
Frequency (MHz)				3457.52	3499.98	3542.5	
15	QPSK	1	1	12.55	12.43	12.48	13.0
Channel				630335	633332	636333	Ture-up Limit
Frequency (MHz)				3455.02	3499.98	3545	
10	QPSK	1	1	12.51	12.52	12.38	13.0

n78 Ant11 DSI7

BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Ture-up Limit (dBm)
Channel					633332		19.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		18.16		19.0
100	PI/2 BPSK	1	137		18.04		
100	PI/2 BPSK	1	271		18.06		
100	PI/2 BPSK	135	0		18.10		19.0
100	PI/2 BPSK	135	69		18.03		
100	PI/2 BPSK	135	138		17.97		
100	PI/2 BPSK	270	0		18.05		19.0
100	QPSK	1	1		18.18		
100	QPSK	1	137		18.15		
100	QPSK	1	271		18.07		19.0
100	QPSK	135	0		18.13		
100	QPSK	135	69		18.01		
100	QPSK	135	138		17.96		19.0
100	QPSK	270	0		18.04		
100	16QAM	1	1		18.17		
100	64QAM	1	1		18.11		19.0
100	256QAM	1	1		17.74		19.0
Channel				633000	633332	633666	Ture-up Limit
Frequency (MHz)				3495	3499.98	3504.99	
90	QPSK	1	1	18.13	18.06	17.95	19.0
Channel				632668	633332	634000	Ture-up Limit
Frequency (MHz)				3490.02	3499.98	3510	
80	QPSK	1	1	17.97	17.99	18.09	19.0
Channel				632334	633332	634332	Ture-up Limit
Frequency (MHz)				3485.01	3499.98	3514.98	
70	QPSK	1	1	17.96	18.00	18.04	19.0
Channel				632000	633332	634666	Ture-up Limit
Frequency (MHz)				3480	3499.98	3519.99	
60	QPSK	1	1	18.00	18.12	18.14	19.0
Channel				631668	633332	635000	Ture-up Limit
Frequency (MHz)				3475.02	3499.98	3525	
50	QPSK	1	1	17.95	18.14	18.05	19.0
Channel				631334	633332	635332	Ture-up Limit
Frequency (MHz)				3470.01	3499.98	3529.98	
40	QPSK	1	1	18.08	18.07	18.01	19.0
Channel				631000	633332	635666	Ture-up Limit
Frequency (MHz)				3465	3499.98	3534.99	
30	QPSK	1	1	17.98	18.03	18.09	19.0
Channel				630668	633332	636000	Ture-up Limit
Frequency (MHz)				3460.02	3499.98	3540	
20	QPSK	1	1	18.13	18.08	18.11	19.0
Channel				630501	633332	636167	Ture-up Limit
Frequency (MHz)				3457.52	3499.98	3542.5	
15	QPSK	1	1	18.10	18.06	18.01	19.0
Channel				630335	633332	636333	Ture-up Limit
Frequency (MHz)				3455.02	3499.98	3545	
10	QPSK	1	1	18.12	17.97	17.95	19.0

n2 Ant1 Main PA DSI6

BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	22.38	22.43	22.39	23.0
20	PI/2 BPSK	1	53	22.49	22.38	22.48	
20	PI/2 BPSK	1	104	22.50	22.38	22.37	
20	PI/2 BPSK	50	0	22.42	22.48	22.50	23.0
20	PI/2 BPSK	50	28	22.44	22.37	22.37	
20	PI/2 BPSK	50	56	22.49	22.42	22.47	
20	PI/2 BPSK	100	0	22.47	22.49	22.45	23.0
20	QPSK	1	1	22.44	22.53	22.39	
20	QPSK	1	53	22.47	22.50	22.50	
20	QPSK	1	104	22.42	22.47	22.45	23.0
20	QPSK	50	0	22.50	22.42	22.45	
20	QPSK	50	28	22.48	22.37	22.47	
20	QPSK	50	56	22.50	22.38	22.49	23.0
20	QPSK	100	0	22.50	22.38	22.39	
20	16QAM	1	1	22.49	22.44	22.44	
20	64QAM	1	1	22.42	22.49	22.43	23.0
20	256QAM	1	1	20.74	20.82	20.81	
Channel				371500	376000	380500	Tune-up limit
Frequency (MHz)				1857.5	1880	1902.5	23.0
15	PI/2 BPSK	1	1	22.35	22.32	22.34	
Channel				371000	376000	381000	Tune-up limit
Frequency (MHz)				1855	1880	1905	23.0
10	QPSK	1	1	22.38	22.40	22.34	
Channel				370500	376000	381500	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	23.0
5	PI/2 BPSK	1	1	22.38	22.39	22.34	

n2 Ant1 Other PA DSI6

BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	22.12	22.05	22.02	23.0
20	PI/2 BPSK	1	53	22.17	22.09	22.17	
20	PI/2 BPSK	1	104	22.13	22.14	22.17	
20	PI/2 BPSK	50	0	22.09	22.11	22.07	23.0
20	PI/2 BPSK	50	28	22.07	22.14	22.17	
20	PI/2 BPSK	50	56	22.02	22.12	22.10	
20	PI/2 BPSK	100	0	22.03	22.02	22.07	23.0
20	QPSK	1	1	22.19	22.21	22.18	
20	QPSK	1	53	22.04	22.04	22.10	
20	QPSK	1	104	22.11	22.04	22.11	23.0
20	QPSK	50	0	22.04	22.06	22.05	
20	QPSK	50	28	22.06	22.01	22.19	
20	QPSK	50	56	22.12	22.02	22.17	23.0
20	QPSK	100	0	22.09	22.18	22.13	
20	16QAM	1	1	22.10	22.00	22.05	
20	64QAM	1	1	22.03	22.10	22.18	23.0
20	256QAM	1	1	20.18	20.26	20.13	
Channel				371500	376000	380500	Tune-up limit
Frequency (MHz)				1857.5	1880	1902.5	23.0
15	PI/2 BPSK	1	1	22.15	22.11	22.14	
Channel				371000	376000	381000	Tune-up limit
Frequency (MHz)				1855	1880	1905	23.0
10	QPSK	1	1	22.16	22.17	22.11	
Channel				370500	376000	381500	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	23.0
5	PI/2 BPSK	1	1	22.18	22.19	22.05	

n7 Ant1 DSI6

BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				504000	507000	510000	
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	21.07	21.09	20.80	21.5
40	PI/2 BPSK	1	108	20.91	20.91	20.81	
40	PI/2 BPSK	1	214	21.07	21.01	20.85	
40	PI/2 BPSK	108	0	20.80	21.07	20.87	21.5
40	PI/2 BPSK	108	54	20.85	20.97	20.96	
40	PI/2 BPSK	108	108	20.81	20.84	20.83	
40	PI/2 BPSK	216	0	20.82	20.88	20.98	
40	QPSK	1	1	21.03	21.12	21.02	21.5
40	QPSK	1	108	20.93	20.97	21.04	
40	QPSK	1	214	21.10	21.07	20.89	
40	QPSK	108	0	21.02	21.00	20.99	21.5
40	QPSK	108	54	21.03	20.87	20.89	
40	QPSK	108	108	21.06	21.05	20.89	
40	QPSK	216	0	20.84	21.10	20.99	
40	16QAM	1	1	20.87	20.98	20.86	21.5
40	64QAM	1	1	20.90	21.05	21.08	
40	256QAM	1	1	20.97	21.05	21.08	21.5
Channel				503000	507000	511000	Tune-up limit
Frequency (MHz)				2515	2535	2555	
30	QPSK	1	1	21.00	20.94	21.06	21.5
Channel				502500	507000	511500	Tune-up limit
Frequency (MHz)				2512.5	2535	2557.5	
25	QPSK	1	1	21.08	21.01	21.01	21.5
Channel				502000	507000	512000	Tune-up limit
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	1	20.86	21.06	20.87	21.5
Channel				501500	507000	512000	Tune-up limit
Frequency (MHz)				2507.5	2535	2562.5	
10	QPSK	1	1	21.03	21.05	21.04	21.5
Channel				501000	507000	513000	Tune-up limit
Frequency (MHz)				2505	2535	2565	
5	QPSK	1	1	20.98	21.03	20.97	21.5
Channel				500500	507000	513500	Tune-up limit
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	1	21.09	21.03	20.86	21.5

n38 Ant1 DSI6

BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				518004	519000	519996	
Frequency (MHz)				2590.02	2595	2599.98	
40	PI/2 BPSK	1	1	21.70	21.41	21.68	22.5
40	PI/2 BPSK	1	108	21.65	21.50	21.59	
40	PI/2 BPSK	1	214	21.52	21.58	21.53	
40	PI/2 BPSK	108	0	21.51	21.67	21.61	22.5
40	PI/2 BPSK	108	54	21.63	21.68	21.41	
40	PI/2 BPSK	108	108	21.56	21.63	21.42	
40	PI/2 BPSK	216	0	21.64	21.66	21.43	22.5
40	QPSK	1	1	21.42	21.81	21.61	
40	QPSK	1	108	21.43	21.64	21.44	
40	QPSK	1	214	21.59	21.64	21.43	22.5
40	QPSK	108	0	21.60	21.51	21.57	
40	QPSK	108	54	21.47	21.45	21.50	
40	QPSK	108	108	21.56	21.58	21.47	22.5
40	QPSK	216	0	21.65	21.51	21.60	
40	16QAM	1	1	21.56	21.69	21.69	
40	64QAM	1	1	21.66	21.43	21.51	22.5
40	256QAM	1	1	21.52	21.53	21.40	22.5
Channel				517002	519000	520998	Tune-up limit (dBm)
Frequency (MHz)				2585.01	2595	2604.99	
30	QPSK	1	1	21.51	21.48	21.40	22.5
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	1	21.66	21.51	21.52	22.5
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	1	21.49	21.46	21.50	22.5
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	1	21.45	21.66	21.69	22.5

n41 Ant1 DSI6

BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				509202	518596	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	22.18	22.04	22.18	23.0
100	PI/2 BPSK	1	137	22.30	22.12	22.00	
100	PI/2 BPSK	1	271	22.26	22.04	22.21	
100	PI/2 BPSK	135	0	22.05	22.30	22.12	23.0
100	PI/2 BPSK	135	69	22.17	22.20	22.26	
100	PI/2 BPSK	135	138	22.28	22.27	22.15	
100	PI/2 BPSK	270	0	22.26	22.15	22.16	
100	QPSK	1	1	22.30	22.33	22.17	23.0
100	QPSK	1	137	22.24	22.26	22.18	
100	QPSK	1	271	22.09	22.04	22.07	
100	QPSK	135	0	22.30	22.28	22.10	23.0
100	QPSK	135	69	22.17	22.00	22.20	
100	QPSK	135	138	22.13	22.12	22.10	
100	QPSK	270	0	22.21	22.08	22.03	
100	16QAM	1	1	22.15	22.08	22.09	23.0
100	64QAM	1	1	22.14	22.29	22.18	23.0
100	256QAM	1	1	22.07	22.22	22.21	23.0
Channel				508200	528996	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	(dBm)
90	QPSK	1	1	22.20	22.09	22.06	23.0
Channel				507204	518596	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)
80	QPSK	1	1	22.14	22.15	22.25	23.0
Channel				506202	518596	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	(dBm)
70	QPSK	1	1	22.17	22.15	22.20	23.0
Channel				505200	518596	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	(dBm)
60	QPSK	1	1	22.28	22.19	22.30	23.0
Channel				504204	518596	532998	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)
50	QPSK	1	1	22.04	22.08	22.25	23.0
Channel				503202	518596	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	(dBm)
40	QPSK	1	1	22.14	22.19	22.09	23.0
Channel				502200	518596	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	(dBm)
30	QPSK	1	1	22.29	22.15	22.15	23.0
Channel				501204	518596	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)
20	QPSK	1	1	22.15	22.26	22.11	23.0
Channel				500703	518596	536499	Tune-up limit
Frequency (MHz)				2503.52	2592.99	2682.49	(dBm)
15	QPSK	1	1	22.02	22.25	22.07	23.0
Channel				500205	518596	536997	Tune-up limit
Frequency (MHz)				2501.02	2592.99	2684.99	(dBm)
10	QPSK	1	1	22.27	22.29	22.18	23.0

n66 Ant1 Main PA DSI6

BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	23.09	23.04	23.05	
40	PI/2 BPSK	1	108	23.10	22.93	22.89	
40	PI/2 BPSK	1	214	23.08	22.92	23.02	
40	PI/2 BPSK	108	0	22.89	22.97	23.10	23.5
40	PI/2 BPSK	108	54	23.05	22.86	23.01	
40	PI/2 BPSK	108	108	23.01	22.82	22.80	
40	PI/2 BPSK	216	0	23.05	22.83	23.05	23.5
40	QPSK	1	1	22.87	23.12	22.81	
40	QPSK	1	108	22.88	23.07	22.85	
40	QPSK	1	214	22.92	22.95	22.98	23.5
40	QPSK	108	0	22.94	23.06	22.86	
40	QPSK	108	54	23.00	23.00	22.86	
40	QPSK	108	108	22.93	22.88	22.83	23.5
40	QPSK	216	0	22.94	23.09	22.94	
40	16QAM	1	1	23.04	22.88	22.80	
40	64QAM	1	1	22.91	22.80	23.06	23.5
40	256QAM	1	1	23.03	23.05	23.07	23.5
Channel				345500	349000	352500	Tune-up limit
Frequency (MHz)				1727.5	1745	1762.5	
35	QPSK	1	1	23.06	22.89	23.08	
Channel				345000	349000	353000	Tune-up limit
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	22.80	23.03	22.99	
Channel				344500	349000	353500	Tune-up limit
Frequency (MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	22.88	23.04	22.99	
Channel				344000	349000	354000	Tune-up limit
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	22.80	23.10	22.82	
Channel				343500	349000	344500	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	22.90	23.10	22.95	
Channel				343000	349000	355000	Tune-up limit
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	23.09	22.80	23.05	
Channel				342500	349000	355500	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	23.03	22.82	23.01	

n66 Ant1 Other PA DSI6

BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	20.26	20.42	20.23	
40	PI/2 BPSK	1	108	20.49	20.28	20.35	
40	PI/2 BPSK	1	214	20.14	20.31	20.17	
40	PI/2 BPSK	108	0	20.27	20.38	20.39	21.0
40	PI/2 BPSK	108	54	20.45	20.39	20.46	
40	PI/2 BPSK	108	108	20.15	20.36	20.18	
40	PI/2 BPSK	216	0	20.10	20.37	20.45	21.0
40	QPSK	1	1	20.33	20.56	20.24	
40	QPSK	1	108	20.31	20.42	20.50	
40	QPSK	1	214	20.20	20.17	20.22	21.0
40	QPSK	108	0	20.50	20.37	20.31	
40	QPSK	108	54	20.13	20.32	20.11	

40	QPSK	108	108	20.35	20.14	20.12	21.0
40	QPSK	216	0	20.49	20.26	20.25	
40	16QAM	1	1	20.15	20.34	20.29	21.0
40	64QAM	1	1	20.23	20.15	20.14	
40	256QAM	1	1	20.37	20.38	20.36	21.0
Channel				345500	349000	352500	Tune-up limit
Frequency (MHz)				1727.5	1745	1762.5	
35	QPSK	1	1	20.43	20.17	20.20	21.0
Channel				345000	349000	353000	Tune-up limit
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	20.48	20.31	20.17	21.0
Channel				344500	349000	353500	Tune-up limit
Frequency (MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	20.32	20.22	20.44	21.0
Channel				344000	349000	354000	Tune-up limit
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	20.25	20.38	20.27	21.0
Channel				343500	349000	344500	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	20.12	20.17	20.29	21.0
Channel				343000	349000	355000	Tune-up limit
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	20.42	20.19	20.22	21.0
Channel				342500	349000	355500	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	20.46	20.48	20.35	21.0

n66 Ant1 Other PA DSI6

BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	23.0
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	22.22	22.34	22.34	23.0
40	PI/2 BPSK	1	108	22.35	22.14	22.10	
40	PI/2 BPSK	1	214	22.28	22.13	22.26	
40	PI/2 BPSK	108	0	22.16	22.29	22.36	23.0
40	PI/2 BPSK	108	54	22.17	22.34	22.25	
40	PI/2 BPSK	108	108	22.34	22.31	22.26	
40	PI/2 BPSK	216	0	22.22	22.13	22.22	23.0
40	QPSK	1	1	22.31	22.39	22.16	
40	QPSK	1	108	22.32	22.23	22.29	
40	QPSK	1	214	22.30	22.28	22.14	23.0
40	QPSK	108	0	22.31	22.29	22.26	
40	QPSK	108	54	22.11	22.10	22.12	
40	QPSK	108	108	22.36	22.26	22.34	23.0
40	QPSK	216	0	22.15	22.33	22.28	
40	16QAM	1	1	22.17	22.12	22.34	
40	64QAM	1	1	22.23	22.35	22.20	23.0
40	256QAM	1	1	22.10	22.36	22.26	23.0
Channel				345500	349000	352500	Tune-up limit
Frequency (MHz)				1727.5	1745	1762.5	
35	QPSK	1	1	22.09	22.07	22.13	23.0
Channel				345000	349000	353000	Tune-up limit
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	22.15	22.05	22.11	23.0
Channel				344500	349000	353500	Tune-up limit
Frequency (MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	22.03	22.07	22.09	23.0
Channel				344000	349000	354000	Tune-up limit
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	22.02	22.09	22.03	23.0
Channel				343500	349000	344500	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	

15	QPSK	1	1	22.13	22.07	22.13	23.0
Channel				343000	349000	355000	Tune-up limit
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	22.12	22.12	22.12	23.0
Channel				342500	349000	355500	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	22.07	22.02	22.03	23.0

n2 Ant4 Main PA DSI6							
BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	19.00	18.71	18.79	19.5
20	PI/2 BPSK	1	53	18.98	18.91	18.96	
20	PI/2 BPSK	1	104	18.94	18.71	18.94	
20	PI/2 BPSK	50	0	18.87	18.94	18.71	19.5
20	PI/2 BPSK	50	28	18.94	18.79	18.70	
20	PI/2 BPSK	50	56	18.81	18.77	18.91	
20	PI/2 BPSK	100	0	18.96	18.83	18.96	
20	QPSK	1	1	18.80	19.01	18.99	19.5
20	QPSK	1	53	18.91	18.76	18.74	
20	QPSK	1	104	18.86	18.86	18.93	
20	QPSK	50	0	18.81	19.00	18.92	19.5
20	QPSK	50	28	18.99	18.97	19.00	
20	QPSK	50	56	18.85	18.95	18.95	
20	QPSK	100	0	18.75	18.74	18.74	
20	16QAM	1	1	18.94	18.96	18.91	19.5
20	64QAM	1	1	18.72	18.76	18.83	
20	256QAM	1	1	18.73	18.75	18.71	
Channel				371500	376000	380500	Tune-up limit
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	18.91	18.78	18.72	19.5
Channel				371000	376000	381000	Tune-up limit
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	1	18.79	18.73	18.89	19.5
Channel				370500	376000	381500	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	18.98	18.79	18.88	19.5

n2 Ant4 Other PA DSI6							
BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	18.69	18.76	18.88	19.5
20	PI/2 BPSK	1	53	18.84	18.81	18.71	
20	PI/2 BPSK	1	104	18.65	18.76	18.80	
20	PI/2 BPSK	50	0	18.76	18.72	18.83	19.5
20	PI/2 BPSK	50	28	18.65	18.72	18.85	
20	PI/2 BPSK	50	56	18.67	18.85	18.72	
20	PI/2 BPSK	100	0	18.68	18.73	18.75	
20	QPSK	1	1	18.89	18.92	18.87	19.5
20	QPSK	1	53	18.67	18.77	18.65	
20	QPSK	1	104	18.88	18.72	18.68	
20	QPSK	50	0	18.79	18.84	18.76	19.5
20	QPSK	50	28	18.67	18.74	18.84	

20	QPSK	50	56	18.89	18.90	18.73	19.5
20	QPSK	100	0	18.74	18.74	18.87	
20	16QAM	1	1	18.74	18.75	18.68	
20	64QAM	1	1	18.90	18.75	18.83	
20	256QAM	1	1	18.81	18.70	18.82	
Channel				371500	376000	380500	Tune-up limit
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	18.65	18.72	18.83	19.5
Channel				371000	376000	381000	Tune-up limit
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	1	18.78	18.90	18.85	19.5
Channel				370500	376000	381500	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	18.70	18.84	18.75	19.5

n2 Ant4 Other PA DSI6

BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	16.97	16.83	16.89	17.5
20	PI/2 BPSK	1	53	16.86	17.06	17.07	
20	PI/2 BPSK	1	104	17.03	17.05	16.80	
20	PI/2 BPSK	50	0	17.06	16.85	16.92	17.5
20	PI/2 BPSK	50	28	17.05	17.10	16.98	
20	PI/2 BPSK	50	56	16.92	17.04	16.83	
20	PI/2 BPSK	100	0	17.10	16.86	17.04	
20	QPSK	1	1	16.81	17.15	17.04	17.5
20	QPSK	1	53	17.05	16.91	17.00	
20	QPSK	1	104	16.81	17.01	16.82	
20	QPSK	50	0	17.03	16.81	17.05	17.5
20	QPSK	50	28	16.84	17.07	17.03	
20	QPSK	50	56	16.89	17.00	17.02	
20	QPSK	100	0	16.92	17.01	16.98	
20	16QAM	1	1	17.03	16.84	17.02	17.5
20	64QAM	1	1	17.08	16.95	17.10	
20	256QAM	1	1	17.02	17.04	17.04	
Channel				371500	376000	380500	Tune-up limit
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	16.86	16.89	16.82	17.5
Channel				371000	376000	381000	Tune-up limit
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	1	16.87	16.83	17.04	17.5
Channel				370500	376000	381500	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	16.93	16.93	16.87	17.5

n7 Ant4 DSI6

BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				504000	507000	510000	
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	18.61	18.58	18.75	19.5
40	PI/2 BPSK	1	108	18.66	18.71	18.71	
40	PI/2 BPSK	1	214	18.57	18.60	18.70	
40	PI/2 BPSK	108	0	18.76	18.58	18.56	19.5
40	PI/2 BPSK	108	54	18.52	18.76	18.55	
40	PI/2 BPSK	108	108	18.76	18.79	18.51	
40	PI/2 BPSK	216	0	18.77	18.61	18.50	
40	QPSK	1	1	18.60	18.82	18.54	19.5
40	QPSK	1	108	18.73	18.74	18.75	
40	QPSK	1	214	18.74	18.67	18.59	
40	QPSK	108	0	18.70	18.79	18.68	19.5
40	QPSK	108	54	18.73	18.60	18.67	
40	QPSK	108	108	18.55	18.81	18.54	
40	QPSK	216	0	18.64	18.56	18.65	
40	16QAM	1	1	18.52	18.57	18.63	19.5
40	64QAM	1	1	18.71	18.80	18.57	
40	256QAM	1	1	18.67	18.79	18.64	
Channel				503000	507000	511000	Tune-up limit
Frequency (MHz)				2515	2535	2555	
30	QPSK	1	1	18.73	18.61	18.69	19.5
Channel				502500	507000	511500	Tune-up limit
Frequency (MHz)				2512.5	2535	2557.5	
25	QPSK	1	1	18.80	18.69	18.81	19.5
Channel				502000	507000	512000	Tune-up limit
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	1	18.54	18.67	18.70	19.5
Channel				501500	507000	512000	Tune-up limit
Frequency (MHz)				2507.5	2535	2562.5	
10	QPSK	1	1	18.63	18.54	18.79	19.5
Channel				501000	507000	513000	Tune-up limit
Frequency (MHz)				2505	2535	2565	
5	QPSK	1	1	18.66	18.80	18.55	19.5
Channel				500500	507000	513500	Tune-up limit
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	1	18.62	18.79	18.67	19.5

n66 Ant4 Main PA DSI6

BW(MHz)	Moudulation	RB Size	RB Offset	Power Low	Power Mid	Power High	Tune-up limit (dBm)
				CH./Freq.	CH./Freq.	CH./Freq.	
Channel				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	20.87	20.82	20.86	21.5
40	PI/2 BPSK	1	108	20.96	20.88	20.85	
40	PI/2 BPSK	1	214	20.92	20.92	20.94	
40	PI/2 BPSK	108	0	20.96	20.99	20.96	21.5
40	PI/2 BPSK	108	54	20.88	20.91	21.00	
40	PI/2 BPSK	108	108	20.97	20.81	20.85	
40	PI/2 BPSK	216	0	20.95	20.82	21.00	
40	QPSK	1	1	21.00	21.03	20.83	21.5
40	QPSK	1	108	20.91	21.00	20.89	
40	QPSK	1	214	20.84	20.84	20.82	
40	QPSK	108	0	20.83	20.81	20.85	21.5
40	QPSK	108	54	20.85	20.98	20.82	
40	QPSK	108	108	20.86	20.92	20.91	
40	QPSK	216	0	20.92	20.87	20.84	
40	16QAM	1	1	20.84	20.83	20.87	21.5
40	64QAM	1	1	20.83	20.82	20.82	
40	256QAM	1	1	20.99	20.95	20.81	21.5
Channel				345500	349000	352500	Tune-up limit
Frequency (MHz)				1727.5	1745	1762.5	
35	QPSK	1	1	20.95	20.97	21.00	21.5
Channel				345000	349000	353000	Tune-up limit
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	20.82	20.87	20.97	21.5
Channel				344500	349000	353500	Tune-up limit
Frequency (MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	20.95	20.96	20.98	21.5
Channel				344000	349000	354000	Tune-up limit
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	20.99	20.82	20.96	21.5
Channel				343500	349000	344500	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	20.96	20.84	20.89	21.5
Channel				343000	349000	355000	Tune-up limit
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	20.85	20.99	20.96	21.5
Channel				342500	349000	355500	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	20.88	20.96	20.92	21.5

n66 Ant4 Other PA DSI6

BW(MHz)	Moudulation	RB Size	RB Offset	Power Low	Power Mid	Power High	Tune-up limit (dBm)
				CH./Freq.	CH./Freq.	CH./Freq.	
Channel				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	20.73	20.78	20.90	21.5
40	PI/2 BPSK	1	108	20.80	20.80	20.92	
40	PI/2 BPSK	1	214	20.91	20.74	20.83	
40	PI/2 BPSK	108	0	20.92	20.95	20.92	21.5
40	PI/2 BPSK	108	54	20.81	20.79	20.77	
40	PI/2 BPSK	108	108	20.80	20.94	20.73	
40	PI/2 BPSK	216	0	20.87	20.88	20.83	
40	QPSK	1	1	20.95	20.97	20.91	21.5
40	QPSK	1	108	20.76	20.70	20.79	
40	QPSK	1	214	20.80	20.86	20.83	
40	QPSK	108	0	20.70	20.71	20.93	21.5
40	QPSK	108	54	20.82	20.74	20.85	

40	QPSK	108	108	20.75	20.84	20.88	21.5
40	QPSK	216	0	20.85	20.94	20.91	
40	16QAM	1	1	20.78	20.95	20.77	21.5
40	64QAM	1	1	20.89	20.84	20.77	
40	256QAM	1	1	20.84	20.90	20.87	21.5
Channel				345500	349000	352500	Tune-up limit
Frequency (MHz)				1727.5	1745	1762.5	
35	QPSK	1	1	20.88	20.73	20.83	21.5
Channel				345000	349000	353000	Tune-up limit
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	20.73	20.80	20.86	21.5
Channel				344500	349000	353500	Tune-up limit
Frequency (MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	20.89	20.78	20.78	21.5
Channel				344000	349000	354000	Tune-up limit
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	20.94	20.90	20.80	21.5
Channel				343500	349000	344500	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	20.91	20.91	20.81	21.5
Channel				343000	349000	355000	Tune-up limit
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	20.78	20.94	20.81	21.5
Channel				342500	349000	355500	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	20.71	20.73	20.86	21.5

n66 Ant4 Other PA DSI2

BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	18.84	18.87	18.94	19.5
40	PI/2 BPSK	1	108	18.95	19.00	18.70	
40	PI/2 BPSK	1	214	18.75	18.83	18.84	
40	PI/2 BPSK	108	0	18.76	18.88	18.82	19.5
40	PI/2 BPSK	108	54	18.83	18.99	18.87	
40	PI/2 BPSK	108	108	18.83	18.94	18.79	
40	PI/2 BPSK	216	0	18.92	18.91	18.81	
40	QPSK	1	1	18.91	19.02	18.93	19.5
40	QPSK	1	108	18.83	18.81	19.00	
40	QPSK	1	214	18.98	18.87	18.70	19.5
40	QPSK	108	0	18.73	18.96	18.88	
40	QPSK	108	54	18.95	18.95	18.82	
40	QPSK	108	108	18.75	18.88	18.96	
40	QPSK	216	0	18.72	18.78	18.74	
40	16QAM	1	1	18.89	18.91	18.72	19.5
40	64QAM	1	1	18.88	18.79	18.94	
40	256QAM	1	1	18.76	18.99	18.72	19.5
Channel				345500	349000	352500	Tune-up limit
Frequency (MHz)				1727.5	1745	1762.5	
35	QPSK	1	1	18.83	18.95	18.91	19.5
Channel				345000	349000	353000	Tune-up limit
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	18.81	18.84	18.89	19.5
Channel				344500	349000	353500	Tune-up limit
Frequency (MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	18.89	18.97	18.92	19.5
Channel				344000	349000	354000	Tune-up limit
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	18.85	18.85	18.80	19.5

Channel				343500	349000	344500	Tune-up limit
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	18.93	18.90	18.73	19.5
Channel				343000	349000	355000	Tune-up limit
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	19.00	18.84	18.98	19.5
Channel				342500	349000	355500	Tune-up limit
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	18.81	18.71	18.92	19.5

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BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Ture-up Limit (dBm)
Channel					633332		20.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		19.20		20.0
100	PI/2 BPSK	1	137		19.47		
100	PI/2 BPSK	1	271		19.23		
100	PI/2 BPSK	135	0		19.31		20.0
100	PI/2 BPSK	135	69		19.52		
100	PI/2 BPSK	135	138		19.50		
100	PI/2 BPSK	270	0		19.40		20.0
100	QPSK	1	1		19.60		
100	QPSK	1	137		19.34		
100	QPSK	1	271		19.52		20.0
100	QPSK	135	0		19.52		
100	QPSK	135	69		19.50		
100	QPSK	135	138		19.49		20.0
100	QPSK	270	0		19.40		
100	16QAM	1	1		19.42		
100	64QAM	1	1		19.39		20.0
100	256QAM	1	1		19.21		20.0
Channel				633000	633332	633666	Ture-up Limit
Frequency (MHz)				3495	3499.98	3504.99	
90	QPSK	1	1	19.58	19.24	19.42	20.0
Channel				632668	633332	634000	Ture-up Limit
Frequency (MHz)				3490.02	3499.98	3510	
80	QPSK	1	1	19.27	19.28	19.52	20.0
Channel				632334	633332	634332	Ture-up Limit
Frequency (MHz)				3485.01	3499.98	3514.98	
70	QPSK	1	1	19.33	19.51	19.24	20.0
Channel				632000	633332	634666	Ture-up Limit
Frequency (MHz)				3480	3499.98	3519.99	
60	QPSK	1	1	19.58	19.32	19.36	20.0
Channel				631668	633332	635000	Ture-up Limit
Frequency (MHz)				3475.02	3499.98	3525	
50	QPSK	1	1	19.54	19.27	19.48	20.0
Channel				631334	633332	635332	Ture-up Limit
Frequency (MHz)				3470.01	3499.98	3529.98	
40	QPSK	1	1	19.21	19.30	19.33	20.0
Channel				631000	633332	635666	Ture-up Limit
Frequency (MHz)				3465	3499.98	3534.99	
30	QPSK	1	1	19.46	19.24	19.28	20.0
Channel				630668	633332	636000	Ture-up Limit
Frequency (MHz)				3460.02	3499.98	3540	
20	QPSK	1	1	19.53	19.24	19.55	20.0
Channel				630501	633332	636167	Ture-up Limit
Frequency (MHz)				3457.52	3499.98	3542.5	
15	QPSK	1	1	19.49	19.43	19.57	20.0
Channel				630335	633332	636333	Ture-up Limit
Frequency (MHz)				3455.02	3499.98	3545	
10	QPSK	1	1	19.29	19.26	19.20	20.0

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BW(MHz)	Moudulation	RB Size	RB Offset	Power Low CH./Freq.	Power Mid CH./Freq.	Power High CH./Freq.	Ture-up Limit (dBm)
Channel					633332		21.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		20.21		21.0
100	PI/2 BPSK	1	137		20.12		
100	PI/2 BPSK	1	271		20.12		
100	PI/2 BPSK	135	0		20.13		21.0
100	PI/2 BPSK	135	69		20.03		
100	PI/2 BPSK	135	138		20.06		
100	PI/2 BPSK	270	0		20.13		21.0
100	QPSK	1	1		20.30		
100	QPSK	1	137		20.03		
100	QPSK	1	271		20.05		21.0
100	QPSK	135	0		20.04		
100	QPSK	135	69		20.28		
100	QPSK	135	138		20.01		21.0
100	QPSK	270	0		20.18		
100	16QAM	1	1		20.06		
100	64QAM	1	1		20.19		21.0
100	256QAM	1	1		20.13		21.0
Channel				633000	633332	633666	Ture-up Limit
Frequency (MHz)				3495	3499.98	3504.99	
90	QPSK	1	1	20.19	20.23	20.00	21.0
Channel				632668	633332	634000	Ture-up Limit
Frequency (MHz)				3490.02	3499.98	3510	
80	QPSK	1	1	20.18	20.15	20.25	21.0
Channel				632334	633332	634332	Ture-up Limit
Frequency (MHz)				3485.01	3499.98	3514.98	
70	QPSK	1	1	20.24	20.25	20.18	21.0
Channel				632000	633332	634666	Ture-up Limit
Frequency (MHz)				3480	3499.98	3519.99	
60	QPSK	1	1	20.05	20.10	20.02	21.0
Channel				631668	633332	635000	Ture-up Limit
Frequency (MHz)				3475.02	3499.98	3525	
50	QPSK	1	1	20.15	20.19	20.05	21.0
Channel				631334	633332	635332	Ture-up Limit
Frequency (MHz)				3470.01	3499.98	3529.98	
40	QPSK	1	1	20.24	20.09	20.21	21.0
Channel				631000	633332	635666	Ture-up Limit
Frequency (MHz)				3465	3499.98	3534.99	
30	QPSK	1	1	20.27	20.18	20.06	21.0
Channel				630668	633332	636000	Ture-up Limit
Frequency (MHz)				3460.02	3499.98	3540	
20	QPSK	1	1	20.06	20.04	20.04	21.0
Channel				630501	633332	636167	Ture-up Limit
Frequency (MHz)				3457.52	3499.98	3542.5	
15	QPSK	1	1	20.01	20.14	20.24	21.0
Channel				630335	633332	636333	Ture-up Limit
Frequency (MHz)				3455.02	3499.98	3545	
10	QPSK	1	1	20.08	20.14	20.15	21.0

Uplink CA Power

ANT1								
CA_7C Default								
Combination 20MHz+20MHz(100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power(dBm)	Tune-up limit (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	22.31	23.0
21100	21298	QPSK	1	99	1	0	22.38	23.0
21350	21152	QPSK	1	0	1	99	22.37	23.0

ANT1								
CA_38C Default								
Combination 20MHz+20MHz(100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power(dBm)	Tune-up limit (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	22.33	23.0
37901	38099	QPSK	1	99	1	0	22.59	23.0
38150	37952	QPSK	1	0	1	99	22.64	23.0

ANT1								
CA_41C Default								
Combination 20MHz+20MHz(100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power(dBm)	Tune-up limit (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.36	23.0
40185	40383	QPSK	1	99	1	0	22.71	23.0
40620	40818	QPSK	1	99	1	0	22.60	23.0
41055	41253	QPSK	1	99	1	0	22.74	23.0
41490	41292	QPSK	1	0	1	99	22.72	23.0

ANT1								
CA_7C DSI3								
Combination 20MHz+20MHz(100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power(dBm)	Tune-up limit (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	20.21	21.0
21100	21298	QPSK	1	99	1	0	20.49	21.0
21350	21152	QPSK	1	0	1	99	20.57	21.0

ANT1								
CA_38C DSI3								
Combination 20MHz+20MHz(100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power(dBm)	Tune-up limit (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	22.81	23.5
37901	38099	QPSK	1	99	1	0	23.06	23.5
38150	37952	QPSK	1	0	1	99	23.04	23.5

ANT1								
CA_41C DSI3								
Combination 20MHz+20MHz(100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power(dBm)	Tune-up limit (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.88	23.5
40185	40383	QPSK	1	99	1	0	23.25	24.0
40620	40818	QPSK	1	99	1	0	23.07	24.0
41055	41253	QPSK	1	99	1	0	23.30	24.0
41490	41292	QPSK	1	0	1	99	23.21	24.0

ANT1								
CA_7C DSI7								
Combination 20MHz+20MHz(100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power(dBm)	Tune-up limit (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	18.78	19.5
21100	21298	QPSK	1	99	1	0	19.02	19.5
21350	21152	QPSK	1	0	1	99	19.04	19.5

ANT1								
CA_38C DSI7								
Combination 20MHz+20MHz(100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power(dBm)	Tune-up limit (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	21.26	22.0
37901	38099	QPSK	1	99	1	0	21.73	22.0
38150	37952	QPSK	1	0	1	99	21.74	22.0

ANT1								
CA_41C DSI7								
Combination 20MHz+20MHz(100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power(dBm)	Tune-up limit (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	21.43	22.0
40185	40383	QPSK	1	99	1	0	21.74	22.0
40620	40818	QPSK	1	99	1	0	21.60	22.0
41055	41253	QPSK	1	99	1	0	21.79	22.0
41490	41292	QPSK	1	0	1	99	21.73	22.0

ANT1								
CA_7C DSI6								
Combination 20MHz+20MHz(100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power(dBm)	Tune-up limit (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	21.23	22.0
21100	21298	QPSK	1	99	1	0	21.53	22.0
21350	21152	QPSK	1	0	1	99	21.57	22.0

2CA DL														
CA List	PCC							SCC					Power	
	LTE	BW	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	With CA	Without CA
	Band	ANT	(MHZ)	Freq. (MHZ)	Channel		RB	RB Offset	Band	(MHZ)	Freq. (MHZ)	Channel	Tx. Power (dBm)	Tx. Power (dBm)
CA_2C	Band2	ANT1	20M	1880	18900	QPSK	1	0	Band2	20M	1979.8	1098	22.65	22.72
	Band2	ANT4	20M	1880	18900	QPSK	1	0	Band2	20M	1979.8	1098	21.52	21.58
CA_26A-41A	Band26	ANT0	15M	831.5	26865	QPSK	1	0	Band41	20M	2593	40620	22.58	22.65
	Band26	ANT4	15M	831.5	26865	QPSK	1	0	Band41	20M	2593	40620	21.47	21.52
CA_2A-38A	Band2	ANT1	20M	1880	18900	QPSK	1	0	Band38	20M	2595	38000	22.65	22.73
	Band2	ANT4	20M	1880	18900	QPSK	1	0	Band38	20M	2595	38000	21.43	21.51
CA_38C	Band38	ANT1	20M	2580	37850	QPSK	1	0	Band38	20M	2599.8	38048	22.65	22.75
CA_41A-42A	Band41	ANT1	20M	2593	40620	QPSK	1	0	Band42	20M	3500	42590	22.71	22.79
	Band42	ANT2	20M	3500	42590	QPSK	1	0	Band41	20M	2593	40620	21.45	21.55
CA_41C	Band41	ANT1	20M	2593	40620	QPSK	1	0	Band41	20M	2612.8	40818	23.22	23.26
CA_42A-42A	Band42	ANT2	20M	3500	42590	QPSK	1	0	Band42	20M	3547.5	43065	22.73	22.77
CA_42C	Band42	ANT2	20M	3500	42590	QPSK	1	0	Band42	20M	3519.8	42788	20.66	22.70
CA_66B	Band66	ANT1	15M	1745	132322	QPSK	1	0	Band66	5M	2164.3	66979	22.58	22.66
	Band66	ANT4	15M	1745	132322	QPSK	1	0	Band66	5M	2164.3	66979	21.46	21.51
CA_66C	Band66	ANT1	20M	1745	132322	QPSK	1	0	Band66	20M	2164.8	66984	22.73	22.80
	Band66	ANT4	20M	1745	132322	QPSK	1	0	Band66	20M	2164.8	66984	21.72	21.83
CA_7A-42A	Band7	ANT1	20M	2535	21100	QPSK	1	0	Band42	20M	3500	42590	22.69	22.76
CA_7B	Band7	ANT1	15M	2535	21100	QPSK	1	0	Band7	5M	2544.3	3193	22.77	22.79

3CA DL																		
CA List	PCC							SCC1				SCC2				Power		
	LTE	BW	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
	Band	ANT	(MHZ)	Freq. (MHZ)	Channel		RB	RB Offset	Band	(MHZ)	Freq. (MHZ)	Channel	Band	(MHZ)	Freq. (MHZ)	Channel	Tx. Power (dBm)	Tx. Power (dBm)
CA_2A-2A-4A	Band2	ANT1	20M	1880	18900	QPSK	1	0	Band2	5M	1897.5	1175	Band4	20M	2132.5	2175	22.65	22.72
	Band2	ANT4	20M	1880	18900	QPSK	1	0	Band2	5M	1897.5	1175	Band4	20M	2132.5	2175	21.53	21.58
	Band2	ANT1	20M	1880	18900	QPSK	1	0	Band4	20M	2132.5	2175	Band2	5M	1897.5	1175	22.54	22.68
	Band2	ANT4	20M	1880	18900	QPSK	1	0	Band4	20M	2132.5	2175	Band2	5M	1897.5	1175	21.47	21.55
	Band4	ANT1	20M	1732.5	20175	QPSK	1	0	Band2	20M	1960	900	Band2	5M	1897.5	1175	23.06	23.26
Band4	ANT4	20M	1732.5	20175	QPSK	1	0	Band2	20M	1960	900	Band2	5M	1897.5	1175	23.03	23.08	
CA_2A-2A-5A	Band2	ANT1	20M	1880	18900	QPSK	1	0	Band2	5M	1897.5	1175	Band5	10M	881.5	2525	22.46	22.66
	Band2	ANT4	20M	1880	18900	QPSK	1	0	Band2	5M	1897.5	1175	Band5	10M	881.5	2525	21.36	21.54
	Band2	ANT1	20M	1880	18900	QPSK	1	0	Band2	5M	1897.5	1175	Band5	10M	881.5	2525	22.65	22.72
	Band2	ANT4	20M	1880	18900	QPSK	1	0	Band2	5M	1897.5	1175	Band5	10M	881.5	2525	21.46	21.55
	Band5	ANT0	10M	836.5	20525	QPSK	1	0	Band2	20M	1960	900	Band2	5M	1897.5	1175	23.13	23.24
Band5	ANT4	10M	836.5	20525	QPSK	1	0	Band2	20M	1960	900	Band2	5M	1897.5	1175	23.16	23.21	
CA_2A-2A-66A	Band2	ANT1	20M	1880	18900	QPSK	1	0	Band2	5M	1897.5	1175	Band66	20M	2155	66886	22.57	22.68
	Band2	ANT4	20M	1880	18900	QPSK	1	0	Band2	5M	1897.5	1175	Band66	20M	2155	66886	21.49	21.59
	Band2	ANT1	20M	1880	18900	QPSK	1	0	Band2	5M	1897.5	1175	Band66	20M	2155	66886	22.66	22.77
	Band2	ANT4	20M	1880	18900	QPSK	1	0	Band2	5M	1897.5	1175	Band66	20M	2155	66886	21.43	21.57
	Band66	ANT1	20M	1745	132322	QPSK	1	0	Band2	20M	1960	900	Band2	5M	1897.5	1175	23.19	23.31
Band66	ANT4	20M	1745	132322	QPSK	1	0	Band2	20M	1960	900	Band2	5M	1897.5	1175	23.01	23.07	
CA_2A-2A-7A	Band2	ANT1	20M	1880	18900	QPSK	1	0	Band2	5M	1897.5	1175	Band7	20M	2655	3100	22.18	22.32
	Band2	ANT4	20M	1880	18900	QPSK	1	0	Band2	5M	1897.5	1175	Band7	20M	2655	3100	21.26	21.34
	Band2	ANT1	20M	1880	18900	QPSK	1	0	Band2	5M	1897.5	1175	Band7	20M	2655	3100	22.39	22.40
	Band2	ANT4	20M	1880	18900	QPSK	1	0	Band2	5M	1897.5	1175	Band7	20M	2655	3100	21.26	21.36
	Band7	ANT1	20M	2535	21100	QPSK	1	0	Band2	20M	1960	900	Band2	5M	1897.5	1175	23.02	23.06
CA_2A-4A-4A	Band2	ANT1	20M	1880	18900	QPSK	1	0	Band4	20M	2132.5	2175	Band4	5M	2152.5	2375	23.15	23.23
	Band2	ANT4	20M	1880	18900	QPSK	1	0	Band4	20M	2132.5	2175	Band4	5M	2152.5	2375	22.31	22.39
	Band4	ANT1	20M	1732.5	20175	QPSK	1	0	Band4	5M	2152.5	2375	Band2	20M	1960	900	21.36	21.47
	Band4	ANT4	20M	1732.5	20175	QPSK	1	0	Band4	5M	2152.5	2375	Band2	20M	1960	900	23.01	23.09
CA_2A-4A-5A	Band2	ANT1	20M	1880	18900	QPSK	1	0	Band4	20M	2132.5	2175	Band5	10M	881.5	2525	22.23	22.34
	Band2	ANT4	20M	1880	18900	QPSK	1	0	Band4	20M	2132.5	2175	Band5	10M	881.5	2525	21.33	21.36
	Band4	ANT1	20M	1732.5	20175	QPSK	1	0	Band5	10M	881.5	2525	Band2	20M	1960	900	22.19	22.35
	Band4	ANT4	20M	1732.5	20175	QPSK	1	0	Band5	10M	881.5	2525	Band2	20M	1960	900	21.26	21.47
	Band5	ANT0	10M	836.5	20525	QPSK	1	0	Band2	20M	1960	900	Band4	20M	2132.5	2175	22.94	23.01
Band5	ANT4	10M	836.5	20525	QPSK	1	0	Band2	20M	1960	900	Band4	20M	2132.5	2175	23.00	23.08	
CA_2A-4A-7A	Band2	ANT1	20M	1880	18900	QPSK	1	0	Band4	20M	2132.5	2175	Band7	20M	2655	3100	22.18	22.33
	Band2	ANT4	20M	1880	18900	QPSK	1	0	Band4	20M	2132.5	2175	Band7	20M	2655	3100	21.29	21.45
	Band4	ANT1	20M	1732.5	20175	QPSK	1	0	Band7	20M	2655	3100	Band2	20M	1960	900	22.26	22.31
	Band4	ANT4	20M	1732.5	20175	QPSK	1	0	Band7	20M	2655	3100	Band2	20M	1960	900	21.24	21.37
Band7	ANT1	20M	2535	21100	QPSK	1	0	Band2	20M	1960	900	Band4	20M	2132.5	2175	22.86	23.01	
CA_2A-5A-66A	Band2	ANT1	20M	1880	18900	QPSK	1	0	Band5	10M	881.5	2525	Band66	20M	2174.8	67084	22.94	23.10
	Band2	ANT4	20M	1880	18900	QPSK	1	0	Band5	10M	881.5	2525	Band66	20M	2174.8	67084	22.71	22.80
	Band5	ANT0	10M	836.5	20525	QPSK	1	0	Band66	20M	2174.8	67084	Band2	20M	1960	900	21.47	21.53
	Band5	ANT4	10M	836.5	20525	QPSK	1	0	Band66	20M	2174.8	67084	Band2	20M	1960	900	22.69	22.80
	Band66	ANT1	20M	1745	132322	QPSK	1	0	Band2	20M	1960	900	Band5	10M	881.5	2525	22.71	22.73
Band66	ANT4	20M	1745	132322	QPSK	1	0	Band2	20M	1960	900	Band5	10M	881.5	2525	23.06	23.13	
CA_2A-5A-7A	Band2	ANT1	20M	1880	18900	QPSK	1	0	Band5	10M	881.5	2525	Band7	20M	2655	3100	22.33	22.39
	Band2	ANT4	20M	1880	18900	QPSK	1	0	Band5	10M	881.5	2525	Band7	20M	2655	3100	21.33	21.47
	Band5	ANT0	10M	836.5	20525	QPSK	1	0	Band7	20M	2655	3100	Band2	20M	1960	900	22.32	22.38
	Band5	ANT4	10M	836.5	20525	QPSK	1	0	Band7	20M	2655	3100	Band2	20M	1960	900	21.36	21.42
Band7	ANT1	20M	2535	21100	QPSK	1	0	Band2	20M	1960	900	Band5	10M	881.5	2525	23.01	23.08	
CA_2A-7A-7A	Band2	ANT1	20M	1880	18900	QPSK	1	0	Band7	20M	2655	3100	Band7	5M	2687.5	3425	23.16	23.22
	Band2	ANT4	20M	1880	18900	QPSK	1	0	Band7	20M	2655	3100	Band7	5M	2687.5	3425	22.58	22.70
	Band7	ANT1	20M	2535	21100	QPSK	1	0	Band7	5M	2687.5	3425	Band2	20M	1960	900	21.49	21.52
CA_4A-4A-5A	Band4	ANT1	20M	1732.5	20175	QPSK	1	0	Band4	5M	2152.5	2375	Band5	10M	881.5	2525	22.65	22.72
	Band4	ANT4	20M	1732.5	20175	QPSK	1	0	Band4	5M	2152.5	2375	Band5	10M	881.5	2525	21.43	21.59
	Band4	ANT1	20M	1732.5	20175	QPSK	1	0	Band5	10M	881.5	2525	Band4	5M	2152.5	2375	22.52	22.65
	Band4	ANT4	20M	1732.5	20175	QPSK	1	0	Band5	10M	881.5	2525	Band4	5M	2152.5	2375	21.47	21.51
	Band5	ANT0	10M	836.5	20525	QPSK	1	0	Band4	20M	2132.5	2175	Band4	5M	2152.5	2375	23.21	23.33
	Band5	ANT4	10M	836.5	20525	QPSK	1	0	Band4	20M	2132.5	2175	Band4	5M	2152.5	2375	22.88	23.01

CA_4A-7A-7A	Band4	ANT1	20M	1732.5	20175	QPSK	1	0	Band7	20M	2655	3100	Band7	5M	2687.5	3425	22.39	22.56
	Band4	ANT4	20M	1732.5	20175	QPSK	1	0	Band7	20M	2655	3100	Band7	5M	2687.5	3425	21.31	21.39
	Band7	ANT1	20M	2535	21100	QPSK	1	0	Band7	5M	2687.5	3425	Band4	20M	2132.5	2175	23.01	23.04
CA_5A-5A-66A	Band5	ANT0	10M	836.5	20525	QPSK	1	0	Band5	5M	891.5	2625	Band66	20M	2174.8	67084	22.64	22.77
	Band5	ANT4	10M	836.5	20525	QPSK	1	0	Band5	5M	891.5	2625	Band66	20M	2174.8	67084	21.36	21.54
	Band5	ANT0	10M	836.5	20525	QPSK	1	0	Band66	20M	2174.8	67084	Band5	5M	891.5	2625	22.51	22.67
	Band5	ANT4	10M	836.5	20525	QPSK	1	0	Band66	20M	2174.8	67084	Band5	5M	891.5	2625	21.49	21.56
	Band66	ANT1	20M	1745	132322	QPSK	1	0	Band5	5M	891.5	2625	Band5	10M	881.5	2525	23.24	23.38
	Band66	ANT4	20M	1745	132322	QPSK	1	0	Band5	5M	891.5	2625	Band5	10M	881.5	2525	23.06	23.15
CA_5A-66A-66A	Band5	ANT0	10M	836.5	20525	QPSK	1	0	Band66	20M	2155	66886	Band66	5M	2197.5	67311	22.29	22.44
	Band5	ANT4	10M	836.5	20525	QPSK	1	0	Band66	20M	2155	66886	Band66	5M	2197.5	67311	21.35	21.43
	Band66	ANT1	20M	1745	132322	QPSK	1	0	Band66	5M	2197.5	67311	Band5	10M	881.5	2525	22.16	22.35
	Band66	ANT4	20M	1745	132322	QPSK	1	0	Band66	5M	2197.5	67311	Band5	10M	881.5	2525	21.21	21.39
	Band5	ANT0	10M	836.5	20525	QPSK	1	0	Band66	20M	2155	66886	Band66	20M	2174.8	67084	22.91	23.00
CA_5A-66C	Band5	ANT4	10M	836.5	20525	QPSK	1	0	Band66	20M	2155	66886	Band66	20M	2174.8	67084	23.13	23.20
	Band66	ANT1	20M	1745	132322	QPSK	1	0	Band66	20M	2164.8	66984	Band5	10M	881.5	2525	22.36	22.41
	Band66	ANT4	20M	1745	132322	QPSK	1	0	Band66	20M	2164.8	66984	Band5	10M	881.5	2525	21.29	21.39
	Band5	ANT0	10M	836.5	20525	QPSK	1	0	Band66	20M	2155	66886	Band7	20M	2655	3100	22.47	22.59
CA_5A-7A-66A	Band5	ANT4	10M	836.5	20525	QPSK	1	0	Band66	20M	2155	66886	Band7	20M	2655	3100	21.39	21.47
	Band7	ANT1	20M	2535	21100	QPSK	1	0	Band5	10M	881.5	2525	Band66	20M	2155	66886	22.26	22.34
	Band66	ANT1	20M	1745	132322	QPSK	1	0	Band7	20M	2655	3100	Band5	10M	881.5	2525	21.32	21.44
	Band66	ANT1	20M	1745	132322	QPSK	1	0	Band7	20M	2655	3100	Band5	10M	881.5	2525	22.92	23.02
	Band5	ANT0	10M	836.5	20525	QPSK	1	0	Band7	20M	2655	3100	Band7	20M	2554.8	3298	22.41	22.56
CA_5A-7C	Band5	ANT4	10M	836.5	20525	QPSK	1	0	Band7	20M	2655	3100	Band7	20M	2554.8	3298	21.23	21.37
	Band7	ANT1	20M	2535	21100	QPSK	1	0	Band7	20M	2554.8	3298	Band5	10M	881.5	2525	23.00	23.03
	Band7	ANT1	20M	2535	21100	QPSK	1	0	Band26	15M	876.5	8865	Band66	20M	2155	66886	22.19	22.32
CA_7A-26A-66A	Band26	ANT0	20M	831.5	26865	QPSK	1	0	Band66	20M	2155	66886	Band7	20M	2655	3100	21.16	21.33
	Band26	ANT4	20M	831.5	26865	QPSK	1	0	Band66	20M	2155	66886	Band7	20M	2655	3100	22.38	22.50
	Band66	ANT1	20M	1745	132322	QPSK	1	0	Band7	20M	2655	3100	Band26	15M	876.5	8865	21.34	21.43
	Band66	ANT4	20M	1745	132322	QPSK	1	0	Band7	20M	2655	3100	Band26	15M	876.5	8865	22.96	23.09
	Band7	ANT1	20M	2535	21100	QPSK	1	0	Band7	20M	2554.8	3298	Band66	20M	2155	66886	23.14	23.30
CA_7C-66A	Band66	ANT1	20M	1745	132322	QPSK	1	0	Band7	20M	2655	3100	Band7	20M	2554.8	3298	22.65	22.78
	Band66	ANT4	20M	1745	132322	QPSK	1	0	Band7	20M	2655	3100	Band7	20M	2554.8	3298	21.47	21.58

4CA DL																						
CA List	PCC								SCC1				SCC2				SCC3				Power	
	LTE	BW	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
	Band	ANT	(MHZ)	Freq. (MHZ)	Channel		RB	RB Offset	Band	(MHZ)	Freq. (MHZ)	Channel	Band	(MHZ)	Freq. (MHZ)	Channel	Band	(MHZ)	Freq. (MHZ)	Channel	Tx. Power (dBm)	Tx. Power (dBm)
CA_2A-4A-7C	Band2	ANT1	20M	1880	18900	QPSK	1	0	Band4	20M	2132.5	2175	Band7	20M	2655	3100	Band7	20M	2594.8	3298	22.65	22.74
	Band2	ANT4	20M	1880	18900	QPSK	1	0	Band4	20M	2132.5	2175	Band7	20M	2655	3100	Band7	20M	2594.8	3298	21.36	21.47
	Band4	ANT1	20M	1732.5	20175	QPSK	1	0	Band7	20M	2655	3100	Band7	20M	2554.8	3298	Band2	20M	1960	900	22.78	22.82
	Band4	ANT4	20M	1732.5	20175	QPSK	1	0	Band7	20M	2655	3100	Band7	20M	2554.8	3298	Band2	20M	1960	900	21.26	21.36
	Band7	ANT1	20M	2535	21100	QPSK	1	0	Band7	20M	2554.8	3298	Band2	20M	1960	900	Band4	20M	2132.5	2175	22.11	22.21
CA_2A-7A-66A-66A	Band2	ANT1	20M	1880	18900	QPSK	1	0	Band7	20M	2655	3100	Band66	20M	2155	66886	Band66	5M	2197.5	67311	22.30	22.42
	Band2	ANT4	20M	1880	18900	QPSK	1	0	Band7	20M	2655	3100	Band66	20M	2155	66886	Band66	5M	2197.5	67311	21.26	21.48
	Band7	ANT1	20M	2535	21100	QPSK	1	0	Band66	20M	2155	66886	Band66	5M	2197.5	67311	Band2	20M	1960	900	22.29	22.44
	Band66	ANT1	20M	1745	132322	QPSK	1	0	Band66	5M	2197.5	67311	Band2	20M	1960	900	Band7	20M	2655	3100	21.36	21.41
	Band66	ANT4	20M	1745	132322	QPSK	1	0	Band66	5M	2197.5	67311	Band2	20M	1960	900	Band7	20M	2655	3100	22.33	22.42

2.4GHz WLAN	ANT6+8			Full Power Head for Standalone Body-worn for Standalone Hotspot/Sensor off		Head for Simultaneous		Body-worn for Simultaneous /Sensor on		Duty Cycle %
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-up limit (dBm)	Average power (dBm)	Tune-up limit (dBm)	Average power (dBm)	Tune-up limit (dBm)	
2.4GHz WLAN	802.11b 1Mbps	1	2412	20.20	21.0	17.84	18.5	20.20	21.0	100.00
		6	2437	22.24	23.0	18.26	18.5	20.76	21.5	
		11	2462	21.65	22.5	18.10	18.5	20.60	21.5	
	802.11g 6Mbps	1	2412	18.68	19.0	Not Required	Not Required	Not Required	Not Required	
		2	2417	20.93	21.5					
		6	2437	21.68	22.0					
	802.11n-HT20 MCS0	11	2462	19.61	20.0					
		1	2412	19.00	19.5					
		6	2437	21.50	22.0					
	802.11n-HT40 MCS0	11	2462	18.94	19.5					
		3	2422	14.99	15.5					
		4	2427	18.37	19.0					
		6	2437	20.19	20.5					
	9	2452	18.23	18.5						