



REPORT No. : SZ21040341S01

Annex E2 Conducted Reduced Power

GSM850		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251	128		189	251		
Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8			
GSM 1 Tx slot	28.98	29.06	28.99	30.00	19.98	20.06	19.99	21.00	
GPRS 1 Tx slot	29.00	29.05	29.01	30.00	20.00	20.05	20.01	21.00	
GPRS 2 Tx slots	26.62	26.65	26.64	27.50	20.62	20.65	20.64	21.50	
GPRS 3 Tx slots	24.64	24.62	24.61	25.50	20.38	20.36	20.35	21.24	
GPRS 4 Tx slots	23.58	23.62	23.43	24.50	20.58	20.62	20.43	21.50	
EDGE 1 Tx slot	22.36	22.33	22.41	23.50	13.36	13.33	13.41	14.50	
EDGE 2 Tx slots	20.36	20.32	20.38	21.50	14.36	14.32	14.38	15.50	
EDGE 3 Tx slots	18.56	18.57	18.53	19.50	14.30	14.31	14.27	15.24	
EDGE 4 Tx slots	18.15	18.09	18.10	19.00	15.15	15.09	15.10	16.00	
Antenna	Ant.1 for Head								

GSM1900		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810	512		661	810		
Frequency (MHz)	1850.2	1880	1909.8	1850.2	1880	1909.8			
GSM 1 Tx slot	25.51	25.45	25.48	26.50	16.51	16.45	16.48	17.50	
GPRS 1 Tx slot	25.50	25.46	25.50	26.50	16.50	16.46	16.50	17.50	
GPRS 2 Tx slots	22.82	22.86	22.83	24.00	16.82	16.86	16.83	18.00	
GPRS 3 Tx slots	20.78	20.60	20.71	22.00	16.52	16.34	16.45	17.74	
GPRS 4 Tx slots	19.95	20.01	19.94	21.00	16.95	17.01	16.94	18.00	
EDGE 1 Tx slot	20.86	20.89	20.82	22.00	11.86	11.89	11.82	13.00	
EDGE 2 Tx slots	18.91	18.82	18.88	20.00	12.91	12.82	12.88	14.00	
EDGE 3 Tx slots	17.13	17.12	16.93	18.00	12.87	12.86	12.67	13.74	
EDGE 4 Tx slots	16.46	16.41	16.44	17.50	13.46	13.41	13.44	14.50	
Antenna	Ant.1 for Head								

Band		WCDMA Band II			Tune-up Limit (dBm)	WCDMA Band IV			Tune-up Limit (dBm)
TX Channel	9262	9400	9538	1312		1413	1513		
Rx Channel	9662	9800	9938	1537	1638	1738			
Frequency (MHz)	1852.4	1880	1907.6	1712.4	1732.6	1752.6			
3GPP Rel 99 RMC 12.2Kbps	15.01	15.08	15.05	16.00	15.60	15.61	15.49	16.50	
3GPP Rel 6 HSDPA Subtest-1	14.79	14.50	14.53	15.50	14.94	15.06	14.91	16.00	
3GPP Rel 6 HSDPA Subtest-2	14.86	14.73	14.43	15.50	15.08	15.03	14.93	16.00	
3GPP Rel 6 HSDPA Subtest-3	14.21	14.27	13.97	15.00	13.53	13.55	13.30	14.00	
3GPP Rel 6 HSDPA Subtest-4	14.28	14.25	14.15	15.00	13.54	13.45	13.38	14.00	
3GPP Rel 6 HSUPA Subtest-1	14.86	14.71	14.47	15.50	14.93	14.99	14.77	16.00	
3GPP Rel 6 HSUPA Subtest-2	14.29	14.11	14.07	15.00	13.51	13.50	13.41	14.00	
3GPP Rel 6 HSUPA Subtest-3	14.97	14.74	14.49	15.50	14.98	15.07	14.88	15.50	
3GPP Rel 6 HSUPA Subtest-4	14.88	14.79	14.48	15.50	14.96	15.00	14.97	15.50	
3GPP Rel 6 HSUPA Subtest-5	14.85	14.76	14.47	15.50	15.01	15.05	14.90	16.00	
3GPP Rel 7 HSPA+ (16QAM) Subtest-	14.85	14.82	14.49	15.50	15.15	15.02	14.96	16.00	
Antenna	Ant.1 for Head				Ant.1 for Head				

Band		WCDMA Band V			Tune-up Limit (dBm)
TX Channel	4132	4182	4233		
Rx Channel	4357	4407	4458		
Frequency (MHz)	826.4	836.4	846.6		
3GPP Rel 99 RMC 12.2Kbps	22.50	22.52	22.47	23.50	
3GPP Rel 6 HSDPA Subtest-1	21.13	21.17	21.03	22.00	
3GPP Rel 6 HSDPA Subtest-2	21.31	21.13	21.15	22.00	
3GPP Rel 6 HSDPA Subtest-3	20.73	20.67	20.57	21.50	
3GPP Rel 6 HSDPA Subtest-4	20.63	20.68	20.64	21.50	
3GPP Rel 6 HSUPA Subtest-1	21.14	21.17	21.12	22.00	
3GPP Rel 6 HSUPA Subtest-2	20.63	20.64	20.58	21.00	
3GPP Rel 6 HSUPA Subtest-3	21.19	21.20	21.20	22.00	
3GPP Rel 6 HSUPA Subtest-4	21.15	21.20	21.09	22.00	
3GPP Rel 6 HSUPA Subtest-5	21.24	21.19	21.05	22.00	
3GPP Rel 7 HSPA+ (16QAM) Subtest-	21.12	21.17	21.07	22.00	
Antenna	Ant.1 for Head				

3	16QAM	8	4	12.97	12.99	12.95	14
3	16QAM	8	7	12.95	12.90	12.89	
3	16QAM	15	0	12.96	12.88	12.87	
3	64QAM	1	0	13.38	13.45	13.46	14
3	64QAM	1	8	13.41	13.42	13.40	
3	64QAM	1	14	13.32	13.46	13.41	
3	64QAM	8	0	12.46	12.56	12.46	13
3	64QAM	8	4	12.61	12.35	12.33	
3	64QAM	8	7	12.53	12.47	12.40	
3	64QAM	15	0	12.50	12.49	12.43	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	15.12	15.13	15.06	17
1.4	QPSK	1	3	15.10	15.07	15.12	
1.4	QPSK	1	5	15.02	14.98	14.95	
1.4	QPSK	3	0	14.26	14.34	14.27	
1.4	QPSK	3	1	14.17	14.18	14.21	
1.4	QPSK	3	3	14.06	14.12	14.15	
1.4	QPSK	6	0	13.95	13.94	13.93	
1.4	16QAM	1	0	14.33	14.32	14.30	16
1.4	16QAM	1	3	14.05	14.04	14.20	
1.4	16QAM	1	5	13.99	13.96	13.94	
1.4	16QAM	3	0	12.88	12.85	12.85	
1.4	16QAM	3	1	12.84	12.86	12.82	
1.4	16QAM	3	3	12.82	12.77	12.76	
1.4	16QAM	6	0	12.83	12.75	12.74	
1.4	64QAM	1	0	13.25	13.32	13.33	14
1.4	64QAM	1	3	13.28	13.29	13.27	
1.4	64QAM	1	5	13.19	13.33	13.28	
1.4	64QAM	3	0	12.33	12.43	12.33	14
1.4	64QAM	3	1	12.48	12.22	12.20	
1.4	64QAM	3	3	12.40	12.34	12.27	
1.4	64QAM	6	0	12.37	12.36	12.30	
1.4	64QAM	6	0	12.37	12.36	12.30	13

3	16QAM	8	4	13.47	13.44	13.54	15
3	16QAM	8	7	13.34	13.51	13.37	
3	16QAM	15	0	13.37	13.43	13.34	
3	16QAM	1	0	13.55	13.52	13.57	14
3	16QAM	1	8	13.42	13.45	13.44	
3	16QAM	1	14	13.34	13.37	13.39	
3	16QAM	8	0	12.56	12.57	12.46	13
3	16QAM	8	4	12.44	12.45	12.37	
3	16QAM	8	7	12.24	12.29	12.27	
3	16QAM	15	0	12.48	12.49	12.46	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	15.34	15.37	15.32	17
1.4	QPSK	1	3	15.16	15.20	15.14	
1.4	QPSK	1	5	15.02	14.99	15.06	
1.4	QPSK	3	0	14.24	14.33	14.27	
1.4	QPSK	3	1	14.17	14.23	14.04	
1.4	QPSK	3	3	14.12	14.08	14.00	
1.4	QPSK	6	0	14.07	14.03	14.05	
1.4	16QAM	1	0	14.34	14.46	14.34	16
1.4	16QAM	1	3	14.27	14.34	14.24	
1.4	16QAM	1	5	14.17	14.21	14.18	
1.4	16QAM	3	0	13.51	13.50	13.43	
1.4	16QAM	3	1	13.34	13.31	13.41	
1.4	16QAM	3	3	13.21	13.38	13.24	
1.4	16QAM	6	0	13.24	13.30	13.21	
1.4	16QAM	1	0	13.42	13.39	13.44	14
1.4	16QAM	1	3	13.29	13.32	13.31	
1.4	16QAM	1	5	13.21	13.24	13.26	
1.4	16QAM	3	0	12.43	12.44	12.33	14
1.4	16QAM	3	1	12.31	12.32	12.24	
1.4	16QAM	3	3	12.11	12.16	12.14	
1.4	16QAM	6	0	12.36	12.37	12.34	
1.4	16QAM	6	0	12.36	12.37	12.34	13

LTE Band 26 (Ant. 1 for Head)

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	22.57	22.65	22.58	23.5
15	QPSK	1	37	22.39	22.42	22.35	
15	QPSK	1	74	22.24	22.28	22.27	
15	QPSK	36	0	21.65	21.68	21.60	22.5
15	QPSK	36	20	21.66	21.63	21.59	
15	QPSK	36	39	21.59	21.57	21.53	
15	QPSK	75	0	21.68	21.64	21.63	22.5
15	16QAM	1	0	22.24	22.04	21.84	
15	16QAM	1	37	22.03	21.91	21.81	
15	16QAM	1	74	21.84	21.78	21.76	21.5
15	16QAM	36	0	20.72	20.69	20.65	
15	16QAM	36	20	20.68	20.65	20.61	
15	16QAM	36	39	20.64	20.62	20.69	21.5
15	16QAM	75	0	20.69	20.67	20.65	
15	64QAM	1	0	20.91	20.95	20.90	
15	64QAM	1	37	20.73	20.81	20.85	21.5
15	64QAM	1	74	20.95	20.94	20.91	
15	64QAM	36	0	19.70	19.85	19.84	
15	64QAM	36	20	19.75	19.71	19.71	20.5
15	64QAM	36	39	19.71	19.65	19.71	
15	64QAM	75	0	19.74	19.71	19.76	
Channel				26740	26865	26990	
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	22.46	22.54	22.47	23.5
10	QPSK	1	25	22.28	22.31	22.24	
10	QPSK	1	49	22.13	22.17	22.16	
10	QPSK	25	0	21.54	21.57	21.49	22.5
10	QPSK	25	12	21.55	21.52	21.48	
10	QPSK	25	25	21.48	21.46	21.42	
10	QPSK	50	0	21.57	21.53	21.52	22.5
10	16QAM	1	0	22.13	21.93	21.73	
10	16QAM	1	25	21.92	21.80	21.70	
10	16QAM	1	49	21.73	21.67	21.65	21.5
10	16QAM	25	0	20.61	20.58	20.54	
10	16QAM	25	12	20.57	20.54	20.50	
10	16QAM	25	25	20.53	20.51	20.58	21.5
10	16QAM	50	0	20.58	20.56	20.54	
10	64QAM	1	0	20.80	20.84	20.79	
10	64QAM	1	25	20.62	20.70	20.74	21.5
10	64QAM	1	49	20.84	20.83	20.80	
10	64QAM	25	0	19.59	19.74	19.73	
10	64QAM	25	12	19.64	19.60	19.60	20.5
10	64QAM	25	25	19.60	19.54	19.60	
10	64QAM	50	0	19.63	19.60	19.65	
Channel				26715	26865	27015	
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	22.33	22.41	22.34	23.5
5	QPSK	1	12	22.15	22.18	22.11	
5	QPSK	1	24	22.00	22.04	22.03	
5	QPSK	12	0	21.41	21.44	21.36	22.5
5	QPSK	12	7	21.42	21.39	21.35	
5	QPSK	12	13	21.35	21.33	21.29	
5	QPSK	25	0	21.44	21.40	21.39	22.5
5	16QAM	1	0	22.00	21.80	21.60	
5	16QAM	1	12	21.79	21.67	21.57	
5	16QAM	1	24	21.60	21.54	21.52	21.5
5	16QAM	12	0	20.48	20.45	20.41	
5	16QAM	12	7	20.44	20.41	20.37	
5	16QAM	12	13	20.40	20.38	20.45	21.5
5	16QAM	25	0	20.45	20.43	20.41	
5	64QAM	1	0	20.67	20.71	20.66	
5	64QAM	1	12	20.49	20.57	20.61	21.5
5	64QAM	1	24	20.71	20.70	20.67	
5	64QAM	12	0	19.46	19.61	19.60	
5	64QAM	12	7	19.51	19.47	19.47	20.5
5	64QAM	12	13	19.47	19.41	19.47	
5	64QAM	25	0	19.50	19.47	19.52	
Channel				26705	26865	27025	
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	22.21	22.29	22.22	23.5
3	QPSK	1	8	22.03	22.06	21.99	
3	QPSK	1	14	21.88	21.92	21.91	
3	QPSK	8	0	21.29	21.32	21.24	22.5
3	QPSK	8	4	21.30	21.27	21.23	
3	QPSK	8	7	21.23	21.21	21.17	
3	QPSK	15	0	21.32	21.28	21.27	22.5
3	16QAM	1	0	21.58	21.68	21.48	
3	16QAM	1	8	21.67	21.55	21.45	
3	16QAM	1	14	21.48	21.42	21.40	21.5
3	16QAM	8	0	20.36	20.33	20.29	
3	16QAM	8	4	20.32	20.29	20.25	
3	16QAM	8	7	20.28	20.26	20.33	21.5
3	16QAM	15	0	20.33	20.31	20.29	
3	64QAM	1	0	20.55	20.59	20.54	
3	64QAM	1	8	20.37	20.45	20.49	21.5
3	64QAM	1	14	20.59	20.58	20.55	
3	64QAM	8	0	19.34	19.49	19.48	
3	64QAM	8	4	19.39	19.35	19.35	20.5
3	64QAM	8	7	19.35	19.29	19.35	
3	64QAM	15	0	19.38	19.35	19.40	
Channel				26697	26865	27033	
Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	22.08	22.16	22.09	23
1.4	QPSK	1	3	21.90	21.93	21.86	
1.4	QPSK	1	5	21.75	21.79	21.78	
1.4	QPSK	3	0	21.16	21.19	21.11	22
1.4	QPSK	3	1	21.17	21.14	21.10	
1.4	QPSK	3	3	21.10	21.08	21.04	
1.4	QPSK	6	0	21.19	21.15	21.14	22
1.4	16QAM	1	0	21.52	21.55	21.35	
1.4	16QAM	1	3	21.54	21.42	21.32	
1.4	16QAM	1	5	21.35	21.29	21.27	22
1.4	16QAM	3	0	20.23	20.20	20.16	

1.4	16QAM	3	1	20.19	20.16	20.12	
1.4	16QAM	3	3	20.15	20.13	20.20	
1.4	16QAM	6	0	20.20	20.18	20.16	21
1.4	16QAM	1	0	20.42	20.46	20.41	21
1.4	16QAM	1	3	20.24	20.32	20.36	
1.4	16QAM	1	5	20.46	20.45	20.42	
1.4	16QAM	3	0	19.21	19.36	19.35	
1.4	16QAM	3	1	19.26	19.22	19.22	
1.4	16QAM	3	3	19.22	19.16	19.22	
1.4	16QAM	6	0	19.25	19.22	19.27	20.5

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	28.51	28.45	28.48	29.50	19.51	19.45	19.48	20.50
GPRS 1 Tx slot	28.50	28.46	28.50	29.50	19.50	19.46	19.50	20.50
GPRS 2 Tx slots	25.82	25.86	25.83	27.00	19.82	19.86	19.83	21.00
GPRS 3 Tx slots	23.78	23.60	23.71	25.00	19.52	19.34	19.45	20.74
GPRS 4 Tx slots	22.95	23.01	22.94	24.00	19.95	20.01	19.94	21.00
EDGE 1 Tx slot	23.86	23.89	23.82	25.00	14.86	14.89	14.82	16.00
EDGE 2 Tx slots	21.91	21.82	21.88	23.00	15.91	15.82	15.88	17.00
EDGE 3 Tx slots	20.13	20.12	19.93	21.00	15.87	15.86	15.67	16.74
EDGE 4 Tx slots	19.46	19.41	19.44	20.50	16.46	16.41	16.44	17.50
Antenna	Ant.1 for Body							

Band TX Channel	WCDMA Band II			Tune-up Limit (dBm)	WCDMA Band IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
Rx Channel	9662	9800	9938		1537	1638	1738	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99 RMC 12.2Kbps	19.51	19.58	19.55	20.50	21.10	21.11	20.99	22.00
3GPP Rel 6 HSDPA Subtest-1	19.29	19.00	19.03	20.00	20.44	20.56	20.41	21.50
3GPP Rel 6 HSDPA Subtest-2	19.36	19.23	18.93	20.00	20.58	20.53	20.43	21.50
3GPP Rel 6 HSDPA Subtest-3	18.71	18.77	18.47	19.50	19.03	19.05	18.80	19.50
3GPP Rel 6 HSDPA Subtest-4	18.78	18.75	18.65	19.50	19.04	18.95	18.88	19.50
3GPP Rel 6 HSUPA Subtest-1	19.36	19.21	18.97	20.00	20.43	20.49	20.27	21.50
3GPP Rel 6 HSUPA Subtest-2	18.79	18.61	18.57	19.50	19.01	19.00	18.91	19.50
3GPP Rel 6 HSUPA Subtest-3	19.47	19.24	18.99	20.00	20.48	20.57	20.38	21.00
3GPP Rel 6 HSUPA Subtest-4	19.38	19.29	18.98	20.00	20.46	20.50	20.47	21.00
3GPP Rel 6 HSUPA Subtest-5	19.35	19.26	18.97	20.00	20.51	20.55	20.40	21.50
3GPP Rel 7 HSPA+ (16QAM) Subtest-	19.35	19.32	18.99	20.00	20.65	20.52	20.46	21.50
Antenna	Ant.1 for Body			Ant.1 for Body				

3	16QAM	8	4	16.97	16.99	16.95	19
3	16QAM	8	7	16.95	16.90	16.89	
3	16QAM	15	0	16.96	16.88	16.87	
3	64QAM	1	0	17.38	17.45	17.46	18
3	64QAM	1	8	17.41	17.42	17.40	
3	64QAM	1	14	17.32	17.46	17.41	
3	64QAM	8	0	16.46	16.56	16.46	17
3	64QAM	8	4	16.61	16.35	16.33	
3	64QAM	8	7	16.53	16.47	16.40	
3	64QAM	15	0	16.50	16.49	16.43	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	19.12	19.13	19.06	21
1.4	QPSK	1	3	19.10	19.07	19.12	
1.4	QPSK	1	5	19.02	18.98	18.95	
1.4	QPSK	3	0	18.26	18.34	18.27	
1.4	QPSK	3	1	18.17	18.18	18.21	
1.4	QPSK	3	3	18.06	18.12	18.15	
1.4	QPSK	6	0	17.95	17.94	17.93	20
1.4	16QAM	1	0	18.33	18.32	18.30	19
1.4	16QAM	1	3	18.05	18.04	18.20	
1.4	16QAM	1	5	17.99	17.96	17.94	
1.4	16QAM	3	0	16.88	16.85	16.85	
1.4	16QAM	3	1	16.84	16.86	16.82	
1.4	16QAM	3	3	16.82	16.77	16.76	
1.4	16QAM	6	0	16.83	16.75	16.74	18
1.4	64QAM	1	0	17.25	17.32	17.33	18
1.4	64QAM	1	3	17.28	17.29	17.27	
1.4	64QAM	1	5	17.19	17.33	17.28	
1.4	64QAM	3	0	16.33	16.43	16.33	
1.4	64QAM	3	1	16.48	16.22	16.20	
1.4	64QAM	3	3	16.40	16.34	16.27	
1.4	64QAM	6	0	16.37	16.36	16.30	17

3	16QAM	8	4	18.47	18.44	18.54	20
3	16QAM	8	7	18.34	18.51	18.37	
3	16QAM	15	0	18.37	18.43	18.34	
3	16QAM	1	0	18.55	18.52	18.57	19
3	16QAM	1	8	18.42	18.45	18.44	
3	16QAM	1	14	18.34	18.37	18.39	
3	16QAM	8	0	17.56	17.57	17.46	18
3	16QAM	8	4	17.44	17.45	17.37	
3	16QAM	8	7	17.24	17.29	17.27	
3	16QAM	15	0	17.48	17.49	17.46	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	20.34	20.37	20.32	22
1.4	QPSK	1	3	20.16	20.20	20.14	
1.4	QPSK	1	5	20.02	19.99	20.06	
1.4	QPSK	3	0	19.24	19.33	19.27	
1.4	QPSK	3	1	19.17	19.23	19.04	
1.4	QPSK	3	3	19.12	19.08	19.00	
1.4	QPSK	6	0	19.07	19.03	19.05	21
1.4	16QAM	1	0	19.34	19.46	19.34	20
1.4	16QAM	1	3	19.27	19.34	19.24	
1.4	16QAM	1	5	19.17	19.21	19.18	
1.4	16QAM	3	0	18.51	18.50	18.43	
1.4	16QAM	3	1	18.34	18.31	18.41	
1.4	16QAM	3	3	18.21	18.38	18.24	
1.4	16QAM	6	0	18.24	18.30	18.21	19
1.4	16QAM	1	0	18.42	18.39	18.44	19
1.4	16QAM	1	3	18.29	18.32	18.31	
1.4	16QAM	1	5	18.21	18.24	18.26	
1.4	16QAM	3	0	17.43	17.44	17.33	
1.4	16QAM	3	1	17.31	17.32	17.24	
1.4	16QAM	3	3	17.11	17.16	17.14	
1.4	16QAM	6	0	17.36	17.37	17.34	18

LTE Band 7 (Ant.1 for Body)

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	20.15	20.21	20.04	21.2
20	QPSK	1	49	20.03	20.08	19.99	
20	QPSK	1	99	19.91	19.97	19.84	
20	QPSK	50	0	19.35	19.37	19.31	20.2
20	QPSK	50	24	19.30	19.24	19.18	
20	QPSK	50	50	19.12	19.14	19.15	
20	QPSK	100	0	18.98	19.02	19.05	20.2
20	16QAM	1	0	19.32	19.30	19.31	
20	16QAM	1	49	19.23	19.21	19.33	
20	16QAM	1	99	19.22	19.27	19.29	19.2
20	16QAM	50	0	18.33	18.31	18.40	
20	16QAM	50	24	18.45	18.31	18.43	
20	16QAM	50	50	18.36	18.50	18.40	19.2
20	16QAM	100	0	18.54	18.40	18.42	
20	64QAM	1	0	18.21	18.38	18.48	
20	64QAM	1	49	18.40	18.51	18.69	19.2
20	64QAM	1	99	18.26	18.64	18.52	
20	64QAM	50	0	17.36	17.28	17.38	
20	64QAM	50	24	17.45	17.41	17.44	18.2
20	64QAM	50	50	17.45	17.42	17.31	
20	64QAM	100	0	17.45	17.35	17.42	
Channel				20825	21100	21375	
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	20.05	20.11	19.94	21.2
15	QPSK	1	37	19.93	19.98	19.89	
15	QPSK	1	74	19.81	19.87	19.74	
15	QPSK	36	0	19.25	19.27	19.21	20.2
15	QPSK	36	20	19.20	19.14	19.08	
15	QPSK	36	39	19.02	19.04	19.05	
15	QPSK	75	0	18.88	18.92	18.95	20.2
15	16QAM	1	0	19.22	19.20	19.21	
15	16QAM	1	37	19.13	19.11	19.23	
15	16QAM	1	74	19.12	19.17	19.19	19.2
15	16QAM	36	0	18.23	18.21	18.30	
15	16QAM	36	20	18.35	18.21	18.33	
15	16QAM	36	39	18.26	18.40	18.30	19.2
15	16QAM	75	0	18.44	18.30	18.32	
15	64QAM	1	0	18.11	18.28	18.38	
15	64QAM	1	37	18.30	18.41	18.59	19.2
15	64QAM	1	74	18.16	18.54	18.42	
15	64QAM	36	0	17.26	17.18	17.28	
15	64QAM	36	20	17.35	17.31	17.34	18.2
15	64QAM	36	39	17.35	17.32	17.21	
15	64QAM	75	0	17.35	17.25	17.32	
Channel				20800	21100	21400	
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	19.93	19.99	19.82	21.2
10	QPSK	1	25	19.81	19.86	19.77	
10	QPSK	1	49	19.69	19.75	19.62	
10	QPSK	25	0	19.13	19.15	19.09	20.2
10	QPSK	25	12	19.08	19.02	18.96	
10	QPSK	25	25	18.90	18.92	18.93	
10	QPSK	50	0	18.76	18.80	18.83	20.2
10	16QAM	1	0	19.10	19.08	19.09	
10	16QAM	1	25	19.01	18.99	19.11	
10	16QAM	1	49	19.00	19.05	19.07	19.2
10	16QAM	25	0	18.11	18.09	18.18	
10	16QAM	25	12	18.23	18.09	18.21	
10	16QAM	25	25	18.14	18.28	18.18	19.2
10	16QAM	50	0	18.32	18.18	18.20	
10	64QAM	1	0	17.99	18.16	18.26	
10	64QAM	1	25	18.18	18.29	18.47	19.2
10	64QAM	1	49	18.04	18.42	18.30	
10	64QAM	25	0	17.14	17.06	17.16	
10	64QAM	25	12	17.23	17.19	17.22	18.2
10	64QAM	25	25	17.23	17.20	17.09	
10	64QAM	50	0	17.23	17.13	17.20	
Channel				20775	21100	21425	
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	19.82	19.88	19.71	21.2
5	QPSK	1	12	19.70	19.75	19.66	
5	QPSK	1	24	19.58	19.64	19.51	
5	QPSK	12	0	19.02	19.04	18.98	20.2
5	QPSK	12	7	18.97	18.91	18.85	
5	QPSK	12	13	18.79	18.81	18.82	
5	QPSK	25	0	18.65	18.69	18.72	20.2
5	16QAM	1	0	18.99	18.97	18.98	
5	16QAM	1	12	18.90	18.88	19.00	
5	16QAM	1	24	18.89	18.94	18.96	19.2
5	16QAM	12	0	18.00	17.98	18.07	
5	16QAM	12	7	18.12	17.98	18.10	
5	16QAM	12	13	18.03	18.17	18.07	19.2
5	16QAM	25	0	18.21	18.07	18.09	
5	64QAM	1	0	17.88	18.05	18.15	
5	64QAM	1	12	18.07	18.18	18.36	19.2
5	64QAM	1	24	17.93	18.31	18.19	
5	64QAM	12	0	17.03	16.95	17.05	
5	64QAM	12	7	17.12	17.08	17.11	18.2
5	64QAM	12	13	17.12	17.09	16.98	
5	64QAM	25	0	17.12	17.02	17.09	

5G NR n5(Ant. 1 for Head)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				166800	167300	167800	22.2
Frequency (MHz)				834	836.5	839	
20	DFT-s-OFDM PI/2 BPSK	1	1	20.68	20.71	20.84	22.2
20		1	53	20.57	20.75	20.96	
20		1	104	20.53	20.65	20.89	
20		50	1	20.67	20.69	20.88	
20		50	25	20.63	20.66	20.90	
20		50	50	20.62	20.67	20.84	
20	DFT-s-OFDM QPSK	100	0	20.68	20.75	20.71	22.2
20		1	1	20.98	21.11	20.98	
20		1	53	20.78	20.85	20.86	
20		1	104	20.70	20.72	20.74	
20		50	1	20.65	20.70	20.62	
20		50	25	20.69	20.66	20.67	
20	DFT-s-OFDM	50	50	20.63	20.67	20.96	21.7
20		100	0	20.71	20.23	20.66	
20	DFT-s-OFDM	1	1	20.77	20.13	20.71	21.2
20	DFT-s-OFDM	1	1	19.35	18.38	19.30	20.7
20	DFT-s-OFDM	1	1	17.28	17.52	17.33	21.2
Channel				166300	167300	168300	21.7
Frequency (MHz)				831.5	836.5	841.5	
15	DFT-s-OFDM	1	1	20.11	20.13	20.03	21.7
Channel				165800	167300	168800	21.7
Frequency (MHz)				829	836.5	844	
10	DFT-s-OFDM	1	1	20.43	20.56	20.18	21.7
Channel				165300	167300	169300	21.7
Frequency (MHz)				826.5	836.5	846.5	
5	DFT-s-OFDM	1	1	20.71	20.13	20.36	21.7
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				166800	167300	167800	21.2
Frequency (MHz)				834	836.5	839	
20	CP-OFDM QPSK	1	1	20.57	20.46	19.76	21.2
20	CP-OFDM 16QAM	1	1	20.23	20.15	19.53	21.7
20	CP-OFDM 64QAM	1	1	18.23	18.33	18.28	21.7
20	CP-OFDM 256QAM	1	1	15.40	15.52	15.39	19.2

5G NR n7(Ant. 1 for Head)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				502000	507000	512000	16.2
Frequency (MHz)				2510	2535	2560	
20	DFT-s-OFDM PI/2 BPSK	1	1	15.05	14.90	14.82	16.2
20		1	53	15.04	14.94	14.85	
20		1	104	15.00	14.87	14.78	
20		50	1	14.77	14.51	14.41	
20		50	25	15.03	15.01	14.88	
20		50	50	14.78	14.46	14.39	
20	DFT-s-OFDM QPSK	100	0	14.72	14.49	14.37	16.2
20		1	1	15.00	15.06	14.97	
20		1	53	14.92	14.79	14.92	
20		1	104	14.97	14.78	14.91	
20		50	1	14.27	14.65	13.93	
20		50	25	14.61	14.57	14.58	
20	DFT-s-OFDM	50	50	14.30	13.99	13.89	15.7
20		100	0	14.26	13.98	13.94	
20	DFT-s-OFDM	1	1	14.32	14.09	13.95	15.2
20	DFT-s-OFDM	1	1	12.56	12.21	12.19	13.2
20	DFT-s-OFDM	1	1	10.69	10.51	10.26	11.7
Channel				501500	507000	512500	16.2
Frequency (MHz)				2507.5	2535	2562.5	
15	DFT-s-OFDM	1	1	15.00	14.86	14.76	16.2
Channel				501000	507000	513000	16.2
Frequency (MHz)				2505	2535	2565	
10	DFT-s-OFDM	1	1	15.00	14.96	14.91	16.2
Channel				500500	507000	513500	16.2
Frequency (MHz)				2502.5	2535	2567.5	
5	DFT-s-OFDM	1	1	14.93	14.95	14.94	16.2
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				502000	507000	512000	14.7
Frequency (MHz)				2510	2535	1767.5	
20	CP-OFDM QPSK	1	1	13.73	13.45	13.29	14.7
20	CP-OFDM 16QAM	1	1	13.43	13.25	13.09	14.2
20	CP-OFDM 64QAM	1	1	11.41	11.18	11.01	12.2
20	CP-OFDM 256QAM	1	1	8.84	8.55	8.41	9.7

5G NR n38(Ant. 1 for Head)

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				518000	519000	520000	16.2
Frequency (MHz)				2590	2595	2600	
40	DFT-s-OFDM PI/2 BPSK	1	1	15.20	15.51	15.08	16.2
40		1	53	15.43	15.43	15.19	
40		1	104	14.87	14.85	14.58	
40		50	1	15.19	15.00	14.56	
40		50	25	15.43	15.33	15.20	
40		50	50	14.94	14.91	14.75	
40		100	0	15.15	14.91	14.51	
40		1	1	15.45	15.54	15.36	16.2
40		1	53	15.40	15.41	15.22	
40		1	104	14.69	14.75	15.01	
40	50	1	14.41	14.50	14.43		
40	50	25	15.12	15.34	15.10		
40	50	50	14.47	14.42	14.44		
40	100	0	14.69	14.35	14.32		
40	DFT-s-OFDM	1	1	14.68	14.52	14.14	15.2
40	DFT-s-OFDM	1	1	12.97	12.85	12.36	14.2
40	DFT-s-OFDM	1	1	11.16	11.35	10.73	12.2
Channel				516000	519000	522000	16.2
Frequency (MHz)				2580	2595	2610	
20	DFT-s-OFDM	1	1	14.91	14.90	15.02	16.2
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				518000	519000	520000	15.2
Frequency (MHz)				2590	2595	2600	
40	CP-OFDM QPSK	1	1	14.34	14.07	13.93	15.2
40	CP-OFDM 16QAM	1	1	13.65	13.72	13.59	14.2
40	CP-OFDM 64QAM	1	1	12.17	12.02	12.33	13.2
40	CP-OFDM 256QAM	1	1	9.35	9.07	8.89	10.2

2570

2620

5G NR n41(Ant. 1 for Head)

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Low/Middle Channel	Middle Channel	Middle/High Channel	High Channel	Tune-up limit (dBm)
Channel				509202	513900	518598	523296	528000	17.2
Frequency (MHz)				2546	2569.5	2593	2616.5	2640	
100	DFT-s-OFDM PI/2 BPSK	1	1	15.84	15.90	15.61	15.97	15.90	17.2
100		1	136	15.66	15.92	15.85	15.83	15.98	
100		1	272	15.38	15.56	15.60	15.34	15.62	
100		135	1	15.59	15.50	15.54	15.54	15.64	
100		135	67	15.95	15.97	16.00	16.00	15.98	
100		135	136	15.58	15.47	15.38	15.49	15.53	
100		270	0	15.50	15.42	15.50	15.48	15.44	
100		1	1	15.87	16.08	16.18	16.03	15.97	17.2
100		1	136	15.70	16.01	15.62	15.92	16.02	
100		1	272	15.76	15.60	15.47	15.50	15.59	
100	135	1	15.62	15.97	15.98	15.59	15.74		
100	135	67	15.92	15.95	15.94	15.96	15.96		
100	135	136	15.97	15.93	15.81	15.89	15.94		
100	270	0	15.03	15.12	15.00	14.92	14.93		
100	DFT-s-OFDM	1	1	14.55	14.96	15.09	15.01	14.84	16.2
100	DFT-s-OFDM	1	1	13.30	12.96	12.99	13.31	13.33	14.2
100	DFT-s-OFDM	1	1	11.08	11.93	11.08	11.62	11.47	12.2
Channel				508200	513402	518598	523800	528996	17.2
Frequency (MHz)				2541	2567	2593	2619	2645	
90	DFT-s-OFDM	1	1	15.30	15.39	15.50	15.29	15.56	17.2
Channel				507204	512904	518598	524298	529998	17.2
Frequency (MHz)				2536	2564.5	2593	2621.5	2650	
80	DFT-s-OFDM	1	1	15.33	15.27	15.41	15.30	15.51	17.2
Channel				505200	511902	518598	525300	531996	17.2
Frequency (MHz)				2526	2559.5	2593	2626.5	2660	
60	DFT-s-OFDM	1	1	15.50	15.65	15.62	15.72	15.72	17.2
Channel				504204	511404	518598	525798	532998	17.2
Frequency (MHz)				2521	2557	2593	2629	2665	
50	DFT-s-OFDM	1	1	15.75	15.65	15.77	15.74	15.85	17.2
Channel				503202	510900	518598	526296	534000	17.2
Frequency (MHz)				2516	2554.5	2593	2631.5	2670	
40	DFT-s-OFDM	1	1	15.74	15.69	15.78	15.81	15.78	17.2
Channel				502200	510402	518598	526800	534996	17.2
Frequency (MHz)				2511	2552	2593	2634	2675	
30	DFT-s-OFDM	1	1	15.86	15.58	15.61	15.68	15.90	17.2
Channel				501204	509898	518598	527298	535998	17.2
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	DFT-s-OFDM	1	1	15.58	15.66	15.58	15.83	15.65	17.2
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Low/Middle Channel	Middle Channel	Middle/High Channel	High Channel	Tune-up limit (dBm)
Channel				509202	513900	518598	523296	528000	15.2
Frequency (MHz)				2546	2569.5	2593	2616.5	2640	
100	CP-OFDM QPSK	1	1	14.37	14.42	14.34	14.41	14.61	15.2
100	CP-OFDM 16QAM	1	1	13.93	13.95	13.96	14.37	14.19	15.2
100	CP-OFDM 64QAM	1	1	12.44	12.59	12.12	12.43	12.37	16.2
100	CP-OFDM 256QAM	1	1	9.29	9.34	9.37	9.33	9.46	18.2

5G NR n7(Ant.1 for Body)

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	DFT-s-OFDM PI/2 BPSK	1	1	19.55	19.40	19.32	20.7
20		1	53	19.54	19.44	19.35	
20		1	104	19.50	19.37	19.28	
20		50	1	19.27	19.01	18.91	20.2
20		50	25	19.53	19.51	19.38	
20		50	50	19.28	18.96	18.89	
20		100	0	19.22	18.99	18.87	
20	DFT-s-OFDM QPSK	1	1	19.50	19.56	19.37	20.7
20		1	53	19.42	19.29	19.42	
20		1	104	19.47	19.28	19.41	
20		50	1	18.77	19.15	18.43	20.2
20		50	25	19.11	19.07	19.08	
20		50	50	18.80	18.49	18.39	
20		100	0	18.76	18.48	18.44	
20	DFT-s-OFDM	1	1	18.82	18.59	18.45	19.7
20	DFT-s-OFDM	1	1	17.06	16.71	16.69	18.2
20	DFT-s-OFDM	1	1	15.19	15.01	14.76	16.2
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	DFT-s-OFDM	1	1	19.50	19.36	19.26	20.7
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	DFT-s-OFDM	1	1	19.93	20.06	19.68	20.7
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	DFT-s-OFDM	1	1	19.43	19.45	19.44	20.7
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	1767.5	
20	CP-OFDM QPSK	1	1	18.23	17.95	17.79	19.2
20	CP-OFDM 16QAM	1	1	17.93	17.75	17.59	18.7
20	CP-OFDM 64QAM	1	1	15.91	15.68	15.51	16.7
20	CP-OFDM 256QAM	1	1	13.34	13.05	12.91	14.2

5G NR n38(Ant.1 for Body)

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				518000	519000	520000	21.2
Frequency (MHz)				2590	2595	2600	
40	DFT-s-OFDM PI/2 BPSK	1	1	20.20	20.51	20.08	
40		1	53	20.43	20.43	20.19	
40		1	104	19.87	19.85	19.58	
40		50	1	20.19	20.00	19.56	
40		50	25	20.43	20.33	20.20	
40		50	50	19.94	19.91	19.75	
40		100	0	20.15	19.91	19.51	
40		1	1	20.45	20.54	20.36	
40		1	53	20.40	20.41	20.22	
40		1	104	19.69	19.75	20.01	
40	DFT-s-OFDM QPSK	50	1	19.41	19.50	19.43	
40		50	25	20.12	20.34	20.10	
40		50	50	19.47	19.42	19.44	
40		100	0	19.69	19.35	19.32	
40	DFT-s-OFDM	1	1	19.68	19.52	19.14	20.2
40	DFT-s-OFDM	1	1	17.97	17.85	17.36	19.2
40	DFT-s-OFDM	1	1	16.16	16.35	15.73	17.2
Channel				516000	519000	522000	21.2
Frequency (MHz)				2560	2595	2610	
20	DFT-s-OFDM	1	1	19.91	19.90	20.02	
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				518000	519000	520000	20
Frequency (MHz)				2590	2595	2600	
40	CP-OFDM QPSK	1	1	19.34	19.07	18.93	
40	CP-OFDM 16QAM	1	1	18.65	18.72	18.59	19.2
40	CP-OFDM 64QAM	1	1	17.17	17.02	17.33	18.2
40	CP-OFDM 256QAM	1	1	14.35	14.07	13.89	15.2

2570

2620

5G NR n41(Ant.1 for Body)

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Low/Middle Channel	Middle Channel	Middle/High Channel	High Channel	Tune-up limit (dBm)
Channel				509202	519900	518598	523296	528000	21.2
Frequency (MHz)				2546	2569.5	2593	2616.5	2640	
100	DFT-s-OFDM PI/2 BPSK	1	1	21.34	21.40	21.11	21.47	21.40	
100		1	136	21.16	21.42	21.35	21.33	21.48	
100		1	272	20.88	21.06	21.10	20.84	21.12	
100		135	1	21.09	21.00	21.04	21.04	21.14	
100		135	67	21.45	21.47	21.50	21.50	21.48	
100		135	136	21.08	20.97	20.88	20.99	21.03	
100		270	0	21.00	20.92	21.00	20.98	20.94	
100		1	1	21.37	21.58	21.68	21.53	21.47	
100		1	136	21.20	21.51	21.12	21.42	21.52	
100		1	272	21.26	21.10	20.97	21.00	21.09	
100	DFT-s-OFDM QPSK	135	1	21.12	21.47	21.48	21.09	21.24	
100		135	67	21.42	21.45	21.44	21.46	21.46	
100		135	136	21.47	21.43	21.31	21.39	21.44	
100		270	0	20.53	20.62	20.50	20.42	20.43	
100	DFT-s-OFDM	1	1	20.05	20.46	20.59	20.51	20.34	21.2
100	DFT-s-OFDM	1	1	18.80	18.46	18.49	18.81	18.83	20.2
100	DFT-s-OFDM	1	1	16.58	17.43	16.58	17.12	16.97	17.2
Channel				508200	513402	518598	523800	528996	22.2
Frequency (MHz)				2541	2567	2593	2619	2645	
90	DFT-s-OFDM	1	1	20.80	20.89	21.00	20.79	21.06	
Channel				507204	512904	518598	524298	529998	22.2
Frequency (MHz)				2536	2564.5	2593	2621.5	2650	
80	DFT-s-OFDM	1	1	20.83	20.77	20.91	20.80	21.01	
Channel				505200	511902	518598	525300	531996	22.2
Frequency (MHz)				2526	2559.5	2593	2626.5	2660	
60	DFT-s-OFDM	1	1	21.00	21.15	21.12	21.22	21.22	
Channel				504204	511404	518598	525798	532998	22.2
Frequency (MHz)				2521	2557	2593	2629	2665	
50	DFT-s-OFDM	1	1	21.25	21.15	21.27	21.24	21.35	
Channel				503202	510900	518598	526296	534000	22.2
Frequency (MHz)				2516	2554.5	2593	2631.5	2670	
40	DFT-s-OFDM	1	1	21.24	21.19	21.28	21.31	21.28	
Channel				502200	510402	518598	526800	534996	22.2
Frequency (MHz)				2511	2552	2593	2634	2675	
30	DFT-s-OFDM	1	1	21.36	21.08	21.11	21.18	21.40	
Channel				501204	509898	518598	527298	535998	22.2
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	DFT-s-OFDM	1	1	21.08	21.16	21.08	21.33	21.15	
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Low/Middle Channel	Middle Channel	Middle/High Channel	High Channel	Tune-up limit (dBm)
Channel				509202	519900	518598	523296	528000	21.2
Frequency (MHz)				2546	2569.5	2593	2616.5	2640	
100	CP-OFDM QPSK	1	1	19.87	19.92	19.84	19.91	20.11	
100	CP-OFDM 16QAM	1	1	19.43	19.45	19.46	19.87	19.69	20.2
100	CP-OFDM 64QAM	1	1	17.94	18.09	17.62	17.93	17.87	19.2
100	CP-OFDM 256QAM	1	1	14.79	14.84	14.87	14.83	14.96	16.2

3	16QAM	8	4	8.47	8.49	8.45	10.5
3	16QAM	8	7	8.45	8.40	8.39	
3	16QAM	15	0	8.46	8.38	8.37	
3	64QAM	1	0	8.88	8.95	8.96	9.5
3	64QAM	1	8	8.91	8.92	8.90	
3	64QAM	1	14	8.82	8.96	8.91	
3	64QAM	8	0	7.96	8.06	7.96	8.5
3	64QAM	8	4	8.11	7.85	7.83	
3	64QAM	8	7	8.03	7.97	7.90	
3	64QAM	15	0	8.00	7.99	7.93	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	10.62	10.63	10.56	12.5
1.4	QPSK	1	3	10.60	10.57	10.62	
1.4	QPSK	1	5	10.52	10.48	10.45	
1.4	QPSK	3	0	9.76	9.84	9.77	11.5
1.4	QPSK	3	1	9.67	9.68	9.71	
1.4	QPSK	3	3	9.56	9.62	9.65	
1.4	QPSK	6	0	9.45	9.44	9.43	
1.4	16QAM	1	0	9.83	9.82	9.80	
1.4	16QAM	1	3	9.55	9.54	9.70	11.5
1.4	16QAM	1	5	9.49	9.46	9.44	
1.4	16QAM	3	0	8.38	8.35	8.35	
1.4	16QAM	3	1	8.34	8.36	8.32	10.5
1.4	16QAM	3	3	8.32	8.27	8.26	
1.4	16QAM	6	0	8.33	8.25	8.24	
1.4	64QAM	1	0	8.75	8.82	8.83	
1.4	64QAM	1	3	8.78	8.79	8.77	9.5
1.4	64QAM	1	5	8.69	8.83	8.78	
1.4	64QAM	3	0	7.83	7.93	7.83	
1.4	64QAM	3	1	7.98	7.72	7.70	8.5
1.4	64QAM	3	3	7.90	7.84	7.77	
1.4	64QAM	6	0	7.87	7.86	7.80	

1.4	16QAM	3	1	19.19	19.16	19.12	
1.4	16QAM	3	3	19.15	19.13	19.20	
1.4	16QAM	6	0	19.20	19.18	19.16	20.5
1.4	16QAM	1	0	19.42	19.46	19.41	20.5
1.4	16QAM	1	3	19.24	19.32	19.36	
1.4	16QAM	1	5	19.46	19.45	19.42	
1.4	16QAM	3	0	18.21	18.36	18.35	
1.4	16QAM	3	1	18.26	18.22	18.22	
1.4	16QAM	3	3	18.22	18.16	18.22	
1.4	16QAM	6	0	18.25	18.22	18.27	19.5

LTE Band 66(Ant.4 for Head ENDC)

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	22.35	22.46	22.41	23.3
20	QPSK	1	49	22.27	22.34	22.29	
20	QPSK	1	99	22.12	22.25	22.21	
20	QPSK	50	0	21.49	21.54	21.50	22.3
20	QPSK	50	24	21.36	21.32	21.41	
20	QPSK	50	50	21.24	21.21	21.38	
20	QPSK	100	0	21.17	21.13	21.22	22.3
20	16QAM	1	0	21.32	21.37	21.33	
20	16QAM	1	49	21.30	21.24	21.40	
20	16QAM	1	99	21.23	21.31	21.38	21.3
20	16QAM	50	0	20.44	20.36	20.41	
20	16QAM	50	24	20.40	20.43	20.49	
20	16QAM	50	50	20.55	20.42	20.36	21.3
20	16QAM	100	0	20.60	20.40	20.45	
20	64QAM	1	0	20.34	20.52	20.59	
20	64QAM	1	49	20.49	20.49	20.53	21.3
20	64QAM	1	99	20.46	20.60	20.65	
20	64QAM	50	0	19.55	19.53	19.55	
20	64QAM	50	24	19.65	19.55	19.43	20.3
20	64QAM	50	50	19.60	19.48	19.37	
20	64QAM	100	0	19.42	19.50	19.41	
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	22.23	22.34	22.29	23.3
15	QPSK	1	37	22.15	22.22	22.17	
15	QPSK	1	74	22.00	22.13	22.09	
15	QPSK	36	0	21.37	21.42	21.38	22.3
15	QPSK	36	20	21.24	21.20	21.29	
15	QPSK	36	39	21.12	21.09	21.26	
15	QPSK	75	0	21.05	21.01	21.10	22.3
15	16QAM	1	0	21.20	21.25	21.21	
15	16QAM	1	37	21.18	21.12	21.28	
15	16QAM	1	74	21.11	21.19	21.26	21.3
15	16QAM	36	0	20.32	20.24	20.29	
15	16QAM	36	20	20.28	20.31	20.37	
15	16QAM	36	39	20.43	20.30	20.24	21.3
15	16QAM	75	0	20.48	20.28	20.33	
15	64QAM	1	0	20.22	20.40	20.47	
15	64QAM	1	37	20.37	20.37	20.41	21.3
15	64QAM	1	74	20.34	20.48	20.53	
15	64QAM	36	0	19.43	19.41	19.43	
15	64QAM	36	20	19.53	19.43	19.31	20.3
15	64QAM	36	39	19.48	19.36	19.25	
15	64QAM	75	0	19.30	19.38	19.29	
Channel				132022	132322	132622	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	22.11	22.22	22.17	23.3
10	QPSK	1	25	22.03	22.10	22.05	
10	QPSK	1	49	21.88	22.01	21.97	
10	QPSK	25	0	21.25	21.30	21.26	22.3
10	QPSK	25	12	21.12	21.08	21.17	
10	QPSK	25	25	21.00	20.97	21.14	
10	QPSK	50	0	20.93	20.89	20.98	22.3
10	16QAM	1	0	21.08	21.13	21.09	
10	16QAM	1	25	21.06	21.00	21.16	
10	16QAM	1	49	20.99	21.07	21.14	21.3
10	16QAM	25	0	20.20	20.12	20.17	
10	16QAM	25	12	20.16	20.19	20.25	
10	16QAM	25	25	20.31	20.18	20.12	21.3
10	16QAM	50	0	20.36	20.16	20.21	
10	64QAM	1	0	20.10	20.28	20.35	
10	64QAM	1	25	20.25	20.25	20.29	21.3
10	64QAM	1	49	20.22	20.36	20.41	
10	64QAM	25	0	19.31	19.29	19.31	
10	64QAM	25	12	19.41	19.31	19.19	20.3
10	64QAM	25	25	19.36	19.24	19.13	
10	64QAM	50	0	19.18	19.26	19.17	
Channel				131997	132322	132647	
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	22.00	22.11	22.06	23.3
5	QPSK	1	12	21.92	21.99	21.94	
5	QPSK	1	24	21.77	21.90	21.86	
5	QPSK	12	0	21.14	21.19	21.15	22.3
5	QPSK	12	7	21.01	20.97	21.06	
5	QPSK	12	13	20.89	20.86	21.03	
5	QPSK	25	0	20.82	20.78	20.87	22.3
5	16QAM	1	0	20.97	21.02	20.98	
5	16QAM	1	12	20.95	20.89	21.05	
5	16QAM	1	24	20.88	20.96	21.03	21.3
5	16QAM	12	0	20.09	20.01	20.06	
5	16QAM	12	7	20.05	20.08	20.14	
5	16QAM	12	13	20.20	20.07	20.01	21.3
5	16QAM	25	0	20.25	20.05	20.10	
5	64QAM	1	0	19.99	20.17	20.24	
5	64QAM	1	12	20.14	20.14	20.18	21.3
5	64QAM	1	24	20.11	20.25	20.30	
5	64QAM	12	0	19.20	19.18	19.10	
5	64QAM	12	7	19.30	19.20	19.08	20.3
5	64QAM	12	13	19.25	19.13	19.02	
5	64QAM	25	0	19.07	19.15	19.06	
Channel				131987	132322	132657	
Frequency (MHz)				1711.5	1745	1777.5	
3	QPSK	1	0	22.12	22.23	22.18	23.3
3	QPSK	1	8	22.04	22.11	22.06	
3	QPSK	1	14	21.89	22.02	21.98	
3	QPSK	8	0	21.26	21.22	21.31	22.3
3	QPSK	8	4	21.13	21.09	21.18	
3	QPSK	8	7	21.01	20.98	21.15	
3	QPSK	15	0	20.94	20.90	20.99	22.3
3	16QAM	1	0	21.83	21.86	21.80	
3	16QAM	1	8	21.75	21.79	21.73	
3	16QAM	1	14	21.60	21.66	21.61	22.3
3	16QAM	8	0	20.23	20.29	20.38	

3	16QAM	8	4	20.12	20.21	20.31	21.3
3	16QAM	8	7	20.06	20.08	20.24	
3	16QAM	15	0	19.99	20.02	20.09	
3	64QAM	1	0	21.66	21.58	21.76	22.3
3	64QAM	1	8	21.53	21.51	21.63	
3	64QAM	1	14	21.46	21.43	21.55	
3	64QAM	8	0	20.26	20.23	20.20	21.3
3	64QAM	8	4	20.11	20.10	20.23	
3	64QAM	8	7	20.04	20.03	20.15	
3	64QAM	15	0	19.96	19.91	20.00	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	21.88	21.99	21.94	23.3
1.4	QPSK	1	3	21.80	21.87	21.82	
1.4	QPSK	1	5	21.65	21.78	21.74	
1.4	QPSK	3	0	21.02	21.07	21.03	
1.4	QPSK	3	1	20.89	20.85	20.94	
1.4	QPSK	3	3	20.77	20.74	20.91	
1.4	QPSK	6	0	20.70	20.66	20.75	22.3
1.4	16QAM	1	0	20.85	20.90	20.86	21.3
1.4	16QAM	1	3	20.83	20.77	20.93	
1.4	16QAM	1	5	20.76	20.84	20.91	
1.4	16QAM	3	0	19.97	19.89	19.94	
1.4	16QAM	3	1	19.93	19.96	20.02	
1.4	16QAM	3	3	20.08	19.95	19.89	
1.4	16QAM	6	0	20.13	19.93	19.98	21.3
1.4	64QAM	1	0	19.87	20.05	20.12	21.3
1.4	64QAM	1	3	20.02	20.02	20.06	
1.4	64QAM	1	5	19.99	20.13	20.18	
1.4	64QAM	3	0	19.08	19.06	19.08	
1.4	64QAM	3	1	19.18	19.08	18.96	
1.4	64QAM	3	3	19.13	19.01	18.90	
1.4	64QAM	6	0	18.95	19.03	18.94	20.3

3	16QAM	8	4	12.16	12.18	12.14	13.5
3	16QAM	8	7	12.14	12.09	12.08	
3	16QAM	15	0	12.15	12.07	12.06	
3	64QAM	1	0	12.67	12.74	12.65	13.5
3	64QAM	1	8	12.60	12.71	12.59	
3	64QAM	1	14	12.51	12.65	12.60	
3	64QAM	8	0	11.65	11.75	11.65	12.5
3	64QAM	8	4	11.80	11.54	11.52	
3	64QAM	8	7	11.72	11.66	11.59	
3	64QAM	15	0	11.69	11.68	11.62	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	14.42	14.53	14.46	15.5
1.4	QPSK	1	3	14.30	14.27	14.32	
1.4	QPSK	1	5	14.22	14.18	14.15	
1.4	QPSK	3	0	13.46	13.54	13.47	
1.4	QPSK	3	1	13.37	13.38	13.41	
1.4	QPSK	3	3	13.26	13.32	13.35	
1.4	QPSK	6	0	13.15	13.14	13.13	14
1.4	16QAM	1	0	13.53	13.52	13.60	14.5
1.4	16QAM	1	3	13.25	13.24	13.40	
1.4	16QAM	1	5	13.19	13.16	13.14	
1.4	16QAM	3	0	12.08	12.05	12.05	
1.4	16QAM	3	1	12.04	12.06	12.02	
1.4	16QAM	3	3	12.02	11.97	11.96	
1.4	16QAM	6	0	12.03	11.95	11.94	12.5
1.4	64QAM	1	0	12.55	12.62	12.53	
1.4	64QAM	1	3	12.48	12.59	12.47	
1.4	64QAM	1	5	12.39	12.53	12.48	113.5
1.4	64QAM	3	0	11.53	11.63	11.53	
1.4	64QAM	3	1	11.68	11.42	11.40	
1.4	64QAM	3	3	11.60	11.54	11.47	
1.4	64QAM	6	0	11.57	11.56	11.50	12.5

3	16QAM	8	4	16.48	16.51	16.57	17.3
3	16QAM	8	7	16.63	16.50	16.44	
3	16QAM	15	0	16.38	16.48	16.53	
3	64QAM	1	0	16.42	16.60	16.57	17.3
3	64QAM	1	8	16.57	16.57	16.61	
3	64QAM	1	14	16.54	16.54	16.53	
3	64QAM	8	0	15.63	15.61	15.63	16.3
3	64QAM	8	4	15.73	15.63	15.51	
3	64QAM	8	7	15.68	15.56	15.45	
3	64QAM	15	0	15.50	15.58	15.49	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	18.31	18.42	18.37	19.3
1.4	QPSK	1	3	18.23	18.30	18.25	
1.4	QPSK	1	5	18.08	18.21	18.17	
1.4	QPSK	3	0	17.45	17.50	17.46	
1.4	QPSK	3	1	17.32	17.28	17.37	
1.4	QPSK	3	3	17.20	17.17	17.34	
1.4	QPSK	6	0	17.13	17.09	17.18	18.3
1.4	16QAM	1	0	17.28	17.33	17.29	18.3
1.4	16QAM	1	3	17.26	17.20	17.36	
1.4	16QAM	1	5	17.19	17.27	17.34	
1.4	16QAM	3	0	16.40	16.32	16.37	
1.4	16QAM	3	1	16.36	16.39	16.45	
1.4	16QAM	3	3	16.51	16.38	16.32	
1.4	16QAM	6	0	16.26	16.36	16.41	17.3
1.4	64QAM	1	0	16.30	16.48	16.45	
1.4	64QAM	1	3	16.45	16.45	16.49	
1.4	64QAM	1	5	16.42	16.42	16.41	17.3
1.4	64QAM	3	0	15.51	15.49	15.51	
1.4	64QAM	3	1	15.61	15.51	15.39	
1.4	64QAM	3	3	15.56	15.44	15.33	
1.4	64QAM	6	0	15.38	15.46	15.37	16.3

5G NR n5(Ant.1 for Head ENDC)

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				166800	167300	167800	19.2
Frequency (MHz)				834	836.5	839	
20	DFT-s-OFDM PI/2 BPSK	1	1	17.77	17.80	17.93	19.2
20		1	53	17.66	17.84	18.05	
20		1	104	17.62	17.74	17.98	
20		50	1	17.76	17.78	17.97	19.2
20		50	25	17.72	17.75	17.99	
20		50	50	17.71	17.76	17.93	
20	DFT-s-OFDM QPSK	100	0	17.77	17.84	17.80	19.2
20		1	1	18.07	18.20	18.07	
20		1	53	17.87	17.94	17.95	
20		1	104	17.79	17.81	17.83	19.2
20		50	1	17.74	17.79	17.71	
20		50	25	17.78	17.75	17.76	
20	DFT-s-OFDM	50	50	17.72	17.76	18.05	19.2
20		100	0	17.80	17.32	17.75	
20	DFT-s-OFDM	1	1	17.86	17.22	17.80	19.2
20	DFT-s-OFDM	1	1	16.44	15.47	16.39	18.2
20	DFT-s-OFDM	1	1	14.37	14.61	14.42	15.2
Channel				166300	167300	168300	18.2
Frequency (MHz)				831.5	836.5	841.5	
15	DFT-s-OFDM	1	1	17.09	17.13	17.10	18.2
Channel				165800	167300	168800	18.7
Frequency (MHz)				829	836.5	844	
10	DFT-s-OFDM	1	1	17.45	17.36	17.28	18.7
Channel				165300	167300	169300	18.7
Frequency (MHz)				826.5	836.5	846.5	
5	DFT-s-OFDM	1	1	17.62	17.22	17.26	18.7
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				166800	167300	167800	18.7
Frequency (MHz)				834	836.5	839	
20	CP-OFDM QPSK	1	1	17.66	17.55	16.85	18.7
20	CP-OFDM 16QAM	1	1	17.32	17.24	16.62	18.7
20	CP-OFDM 64QAM	1	1	15.32	15.42	15.37	16.7
20	CP-OFDM 256QAM	1	1	12.49	12.61	12.48	13.7

5G NR n7(Ant.1 for Head ENDC)

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				502000	507000	512000	14.2
Frequency (MHz)				2510	2535	2560	
20	DFT-s-OFDM PI/2 BPSK	1	1	13.05	12.90	12.82	14.2
20		1	53	13.04	12.94	12.85	
20		1	104	13.00	12.87	12.78	
20		50	1	12.77	12.51	12.41	13.7
20		50	25	13.03	13.01	12.88	
20		50	50	12.78	12.46	12.39	
20	DFT-s-OFDM QPSK	100	0	12.72	12.49	12.37	14.2
20		1	1	13.50	13.76	13.57	
20		1	53	12.92	12.79	12.92	
20		1	104	12.97	12.78	12.91	13.7
20		50	1	12.27	12.65	11.93	
20		50	25	12.61	12.57	12.58	
20	DFT-s-OFDM	50	50	12.30	11.99	11.89	13.7
20		100	0	12.26	11.98	11.94	
20	DFT-s-OFDM	1	1	12.32	12.09	11.95	13.7
20	DFT-s-OFDM	1	1	10.56	10.21	10.19	12.2
20	DFT-s-OFDM	1	1	8.69	8.51	8.26	9.7
Channel				501500	507000	512500	14.2
Frequency (MHz)				2507.5	2535	2562.5	
15	DFT-s-OFDM	1	1	13.00	12.86	12.76	14.2
Channel				501000	507000	513000	14.2
Frequency (MHz)				2505	2535	2565	
10	DFT-s-OFDM	1	1	13.00	12.96	12.91	14.2
Channel				500500	507000	513500	14.2
Frequency (MHz)				2502.5	2535	2567.5	
5	DFT-s-OFDM	1	1	12.93	12.95	12.94	14.2
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				502000	507000	512000	13.7
Frequency (MHz)				2510	2535	1767.5	
20	CP-OFDM QPSK	1	1	11.73	11.45	11.29	13.7
20	CP-OFDM 16QAM	1	1	11.43	11.25	11.09	12.7
20	CP-OFDM 64QAM	1	1	9.41	9.18	9.01	10.7
20	CP-OFDM 256QAM	1	1	6.84	6.55	6.41	7.7

5G NR n41(Ant.1 for Head ENDC)

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Low/Middle Channel	Middle Channel	Middle/High Channel	High Channel	Tune-up limit (dBm)	
Channel				509202	513900	518598	523296	528000	14.2	
Frequency (MHz)				2546	2569.5	2593	2616.5	2640		
100	DFT-s-OFDM PI/2 BPSK	1	1	12.72	12.78	12.49	12.85	12.78	14.2	
100		1	136	12.54	12.80	12.73	12.71	12.86		
100		1	272	12.26	12.44	12.48	12.22	12.50		
100		DFT-s-OFDM QPSK	135	1	12.47	12.38	12.42	12.42	12.52	14.2
100			135	67	12.83	12.85	12.88	12.88	12.86	
100			135	136	12.46	12.35	12.26	12.37	12.41	
100			270	0	12.38	12.30	12.38	12.36	12.32	
100	DFT-s-OFDM QPSK	1	1	12.75	12.96	13.08	12.91	12.85	14.2	
100		1	136	12.58	12.89	12.50	12.80	12.90		
100		1	272	12.64	12.48	12.35	12.38	12.47		
100		DFT-s-OFDM	135	1	12.50	12.85	12.86	12.47	12.62	14.2
100			135	67	12.80	12.83	12.82	12.84	12.84	
100			135	136	12.85	12.81	12.69	12.77	12.82	
100	270	0	11.91	12.00	11.88	11.80	11.81			
100	DFT-s-OFDM	1	1	11.43	11.84	11.97	11.89	11.72	13.2	
100	DFT-s-OFDM	1	1	10.18	9.84	9.87	10.19	10.21	11.2	
100	DFT-s-OFDM	1	1	7.96	8.81	7.96	8.50	8.35	10.2	
Channel				508200	513402	518598	523800	528996	14.2	
Frequency (MHz)				2541	2567	2593	2619	2645		
90	DFT-s-OFDM	1	1	12.18	12.27	12.38	12.17	12.44	14.2	
Channel				507204	512904	518598	524298	529998	14.2	
Frequency (MHz)				2536	2564.5	2593	2621.5	2650		
80	DFT-s-OFDM	1	1	12.21	12.15	12.29	12.18	12.39	14.2	
Channel				505200	511902	518598	525300	531996	14.2	
Frequency (MHz)				2526	2559.5	2593	2626.5	2660		
60	DFT-s-OFDM	1	1	12.40	12.55	12.52	12.62	12.62	14.2	
Channel				504204	511404	518598	525798	532998	14.2	
Frequency (MHz)				2521	2557	2593	2629	2665		
50	DFT-s-OFDM	1	1	12.63	12.53	12.65	12.62	12.73	14.2	
Channel				503202	510900	518598	526296	534000	14.2	
Frequency (MHz)				2516	2554.5	2593	2631.5	2670		
40	DFT-s-OFDM	1	1	12.64	12.59	12.68	12.71	12.68	14.2	
Channel				502200	510402	518598	526800	534996	14.2	
Frequency (MHz)				2511	2552	2593	2634	2675		
30	DFT-s-OFDM	1	1	12.74	12.46	12.49	12.56	12.78	14.2	
Channel				501204	509898	518598	527298	535998	13.2	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	DFT-s-OFDM	1	1	12.46	12.54	12.46	12.71	12.53	13.2	
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Low/Middle Channel	Middle Channel	Middle/High Channel	High Channel	Tune-up limit (dBm)	
Channel				509202	513900	518598	523296	528000	14.2	

Frequency (MHz)				2546	2569.5	2593	2616.5	2640	
100	CP-OFDM QPSK	1	1	11.27	11.32	11.24	11.31	11.51	12.2
100	CP-OFDM 16QAM	1	1	10.83	10.85	10.86	11.27	11.09	12.2
100	CP-OFDM 64QAM	1	1	9.34	9.49	9.02	9.33	9.27	10.2
100	CP-OFDM 256QAM	1	1	6.19	6.24	6.27	6.23	6.36	7.2

5.8GHz WLAN ANT 6

Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Power Setting	Duty Cycle %
802.11a MCS0	CH 149	5745	13.90	16.00	14.00	100.00
	CH 157	5785	14.02	16.00	14.00	
	CH 165	5825	13.78	16.00	14.00	
802.11n-VHT20 MCS0	CH 149	5745	12.13	14.00	14.00	100.00
	CH 157	5785	12.31	14.00	14.00	
	CH 165	5825	12.26	14.00	14.00	
802.11n-VHT40 MCS0	CH 151	5755	10.88	12.50	14.00	100.00
	CH 159	5795	10.97	12.50	14.00	
	CH 149	5745	12.32	14.00	14.00	
802.11ac-VHT20 MCS0	CH 157	5785	12.41	14.00	14.00	100.00
	CH 165	5825	12.50	14.00	14.00	
	CH 151	5755	12.01	14.00	14.00	
802.11ac-VHT40 MCS0	CH 159	5795	12.71	14.50	14.00	100.00
	CH 149	5745	11.66	13.50	13.00	
	CH 155	5775	11.66	13.50	13.00	
802.11ax-HEW20 MCS0 (RU2x2)	CH 149	5745	12.52	14.50	14.00	100.00
	CH 157	5785	12.28	14.00	14.00	
	CH 165	5825	12.15	14.00	14.00	
802.11ax-HEW20 MCS0 (RU2x8)	CH 149	5745	1.97	3.50	2.00	100.00
	CH 157	5785	2.07	4.00	2.00	
	CH 165	5825	2.00	4.00	2.00	
802.11ax-HEW20 MCS0 (RU2x8)	CH 149	5745	4.99	8.50	5.00	100.00
	CH 157	5785	4.52	6.50	5.00	
	CH 165	5825	3.68	5.50	5.00	
802.11ax-HEW20 MCS0 (RU10x8)	CH 149	5745	7.86	9.50	8.00	100.00
	CH 157	5785	7.13	9.00	8.00	
	CH 165	5825	7.22	9.00	8.00	
802.11ax-HEW40 MCS0	CH 151	5755	13.12	16.00	14.00	100.00
	CH 159	5795	13.60	15.50	14.00	
	CH 155	5775	11.31	13.00	13.00	

5.8GHz WLAN ANT 7

Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Power Setting	Duty Cycle %
802.11a MCS0	CH 149	5745	11.21	13.50	12	100.00
	CH 157	5785	11.36	13.50	12	
	CH 165	5825	11.27	13.50	12	
802.11n-VHT20 MCS0	CH 149	5745	10.30	12.00	12	100.00
	CH 157	5785	10.17	12.00	12	
	CH 165	5825	10.22	12.00	12	
802.11n-VHT40 MCS0	CH 151	5755	9.73	11.50	11.50	100.00
	CH 159	5795	9.64	11.50	11.50	
	CH 149	5745	10.87	12.50	12	
802.11ac-VHT20 MCS0	CH 157	5785	10.21	12.00	12	100.00
	CH 165	5825	10.31	12.00	12	
	CH 151	5755	10.43	12.00	12.00	
802.11ac-VHT40 MCS0	CH 159	5795	10.48	12.00	12.00	100.00
	CH 149	5745	10.38	12.00	12.00	
	CH 155	5775	10.38	12.00	12.00	
802.11ax-HEW20 MCS0 (RU2x2)	CH 149	5745	10.21	12.00	12.00	100.00
	CH 157	5785	10.44	12.00	12.00	
	CH 165	5825	10.78	12.50	12.00	
802.11ax-HEW20 MCS0 (RU2x8)	CH 149	5745	-2.83	-1.50	-1.00	100.00
	CH 157	5785	-2.17	-1.00	-1.00	
	CH 165	5825	-2.36	-1.00	-1.00	
802.11ax-HEW20 MCS0 (RU2x8)	CH 149	5745	1.86	3.50	2.00	100.00
	CH 157	5785	2.44	4.00	2.00	
	CH 165	5825	2.65	4.00	2.00	
802.11ax-HEW20 MCS0 (RU10x8)	CH 149	5745	3.92	5.50	5.00	100.00
	CH 157	5785	3.88	5.50	5.00	
	CH 165	5825	3.70	5.50	5.00	
802.11ax-HEW40 MCS0	CH 151	5755	10.12	12.00	12.00	100.00
	CH 159	5795	10.36	12.00	12.00	
	CH 155	5775	10.61	12.50	12.00	

5.8GHz WLAN ANT 6+7

Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Power Setting	Duty Cycle %
802.11a MCS0	CH 149	5745	N/A	N/A	N/A	100.00
	CH 157	5785	N/A	N/A	N/A	
	CH 165	5825	N/A	N/A	N/A	
802.11n-VHT20 MCS0	CH 149	5745	14.32	16.00	16.00	100.00
	CH 157	5785	14.38	16.00	16.00	
	CH 165	5825	14.25	16.00	16.00	
802.11n-VHT40 MCS0	CH 149	5745	13.35	15.00	15.00	100.00
	CH 157	5785	13.37	15.00	15.00	
	CH 149	5745	14.62	16.50	16.50	
802.11ac-VHT20 MCS0	CH 157	5785	14.46	16.00	16.00	100.00
	CH 165	5825	14.62	16.50	16.50	
	CH 151	5755	14.30	16.00	16.00	
802.11ac-VHT40 MCS0	CH 159	5795	14.75	16.50	16.50	100.00
	CH 149	5745	14.08	16.00	16.00	
	CH 149	5745	14.53	16.50	16.50	
802.11ax-HEW20 MCS0 (RU2x2)	CH 149	5745	14.47	16.00	16.00	100.00
	CH 157	5785	14.47	16.00	16.00	
	CH 165	5825	14.52	16.50	16.50	
802.11ax-HEW20 MCS0 (RU2x8)	CH 149	5745	3.21	5.00	5.00	100.00
	CH 157	5785	3.46	5.00	5.00	
	CH 165	5825	3.36	5.00	5.00	
802.11ax-HEW20 MCS0 (RU2x8)	CH 149	5745	6.71	8.50	8.50	100.00
	CH 157	5785	6.61	8.50	8.50	
	CH 165	5825	6.95	7.50	7.50	
802.11ax-HEW20 MCS0 (RU10x8)	CH 149	5745	9.33	11.00	11.00	100.00
	CH 157	5785	8.91	10.50	10.50	
	CH 165	5825	8.82	10.50	10.50	
802.11ac-HEW40 MCS0	CH 151	5755	14.88	16.50	16.50	100.00
	CH 159	5795	15.28	17.00	17.00	
	CH 155	5775	13.98	15.50	15.50	

5.8GHz WLAN ANT 6

Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Power Setting	Duty Cycle %
802.11a MCS0	CH 149	5745	8.50	10.00	9.00	100.00
	CH 157	5785	9.02	11.00	9.00	
	CH 165	5825	8.78	10.50	9.00	
802.11n-HT20 MCS0	CH 149	5745	7.13	9.00	9.00	100.00
	CH 157	5785	7.21	9.00	9.00	
	CH 165	5825	7.26	9.00	9.00	
802.11n-HT40 MCS0	CH 151	5755	5.88	7.50	9.00	100.00
	CH 159	5795	5.97	7.50	9.00	
	CH 149	5745	7.32	9.00	9.00	
802.11ac-VHT20 MCS0	CH 157	5785	7.41	9.00	9.00	100.00
	CH 165	5825	7.50	9.00	9.00	
	CH 151	5755	7.01	9.00	9.00	
802.11ac-VHT40 MCS0	CH 151	5755	7.01	9.00	9.00	100.00
	CH 159	5795	7.71	9.50	9.00	
	CH 155	5775	6.66	8.50	8.00	
802.11ac-VHT80 MCS0	CH 149	5745	7.52	9.50	9.00	100.00
	CH 157	5785	7.28	9.00	9.00	
	CH 165	5825	7.15	9.00	9.00	
802.11ax-HEW20 MCS0 (RU2x)	CH 149	5745	-3.03	-1.50	-3.00	100.00
	CH 157	5785	-2.93	-1.00	-3.00	
	CH 165	5825	-3.00	-1.00	-3.00	
802.11ax-HEW20 MCS0 (RU2x)	CH 149	5745	-0.01	1.50	0.00	100.00
	CH 157	5785	-0.48	1.50	0.00	
	CH 165	5825	-1.32	0.50	0.00	
802.11ax-HEW20 MCS0 (RU10x)	CH 149	5745	2.86	4.50	3.00	100.00
	CH 157	5785	2.13	4.00	3.00	
	CH 165	5825	2.22	4.00	3.00	
802.11ax-HEW40 MCS0	CH 151	5755	8.12	10.00	9.00	100.00
	CH 159	5795	8.60	10.50	9.00	
	CH 155	5775	6.31	8.00	8.00	

5.8GHz WLAN ANT 7

Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Power Setting	Duty Cycle %
802.11a MCS0	CH 149	5745	9.21	11.00	10	100.00
	CH 157	5785	9.36	11.00	10	
	CH 165	5825	9.27	11.00	10	
802.11n-HT20 MCS0	CH 149	5745	8.30	10.00	10	100.00
	CH 157	5785	8.17	10.00	10	
	CH 165	5825	8.22	10.00	10	
802.11n-HT40 MCS0	CH 151	5755	7.73	9.50	9.50	100.00
	CH 159	5795	7.64	9.50	9.50	
	CH 149	5745	8.87	10.50	10	
802.11ac-VHT20 MCS0	CH 157	5785	8.21	10.00	10	100.00
	CH 165	5825	8.21	10.00	10	
	CH 151	5755	8.43	10.00	10.00	
802.11ac-VHT40 MCS0	CH 151	5755	8.43	10.00	10.00	100.00
	CH 159	5795	8.48	10.00	10.00	
	CH 155	5775	8.38	10.00	10.00	
802.11ac-VHT80 MCS0	CH 149	5745	8.21	10.00	10.00	100.00
	CH 157	5785	8.44	10.00	10.00	
	CH 165	5825	8.78	10.50	10.00	
802.11ax-HEW20 MCS0 (RU2x)	CH 149	5745	-4.83	-3.50	-3.00	100.00
	CH 157	5785	-4.17	-3.00	-3.00	
	CH 165	5825	-4.26	-3.00	-3.00	
802.11ax-HEW20 MCS0 (RU2x)	CH 149	5745	-0.14	1.50	0.00	100.00
	CH 157	5785	0.44	2.00	0.00	
	CH 165	5825	0.05	2.00	0.00	
802.11ax-HEW20 MCS0 (RU10x)	CH 149	5745	1.92	3.50	3.00	100.00
	CH 157	5785	1.98	3.50	3.00	
	CH 165	5825	1.70	3.50	3.00	
802.11ax-HEW40 MCS0	CH 151	5755	8.12	10.00	10.00	100.00
	CH 159	5795	8.35	10.00	10.00	
	CH 155	5775	8.61	10.50	10.00	

5.8GHz WLAN ANT 6+7

Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit
802.11a MCS0	CH 149	5745	N/A	N/A
	CH 157	5785	N/A	N/A
	CH 165	5825	N/A	N/A
802.11n-HT20 MCS0	CH 149	5745	10.79	12.50
	CH 157	5785	10.79	12.50
	CH 165	5825	10.79	12.50
802.11n-HT40 MCS0	CH 151	5755	10.00	12.00
	CH 159	5795	10.00	12.00
	CH 149	5745	11.14	13.00
802.11ac-VHT20 MCS0	CH 157	5785	10.79	12.50
	CH 165	5825	10.79	12.50
	CH 151	5755	10.79	12.50
802.11ac-VHT40 MCS0	CH 151	5755	11.14	13.00
	CH 159	5795	11.14	13.00
	CH 155	5775	10.79	12.50
802.11ac-VHT80 MCS0	CH 149	5745	10.79	12.50
	CH 157	5785	10.79	12.50
	CH 165	5825	11.14	13.00
802.11ax-HEW20 MCS0 (RU2x)	CH 149	5745	0.00	2.00
	CH 157	5785	0.00	2.00
	CH 165	5825	0.00	2.00
802.11ax-HEW20 MCS0 (RU2x)	CH 149	5745	3.01	5.00
	CH 157	5785	3.01	5.00
	CH 165	5825	3.01	5.00
802.11ax-HEW20 MCS0 (RU10x)	CH 149	5745	4.77	6.50
	CH 157	5785	4.77	6.50
	CH 165	5825	4.77	6.50
802.11ac-HEW40 MCS0	CH 151	5755	11.14	13.00
	CH 159	5795	11.46	13.00
	CH 155	5775	10.79	12.50

CA Reduction Power for Head

CA_7C

Combination:20MHz+20MHz(100RB+100RB)

PCC Channel	PCC Channel (3GPP)	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level(dB)	Measured Power(dBm)	Tune-up limit(dBm)
				RB Size	RB Offset	RB Size	RB Offset				
20850	20850	21048	QPSK	1	0	0	0	1	0	14.85	16.2
21100	21001	21199	QPSK	1	0	0	0	1	0	15.24	16.2
21350	21152	21350	QPSK	1	0	0	0	1	0	15.32	16.2

CA_38C

Combination:20MHz+20MHz(100RB+100RB)

PCC Channel	PCC Channel (3GPP)	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level(dB)	Measured Power(dBm)	Tune-up limit(dBm)
				RB Size	RB Offset	RB Size	RB Offset				
37850	37850	38048	QPSK	1	0	0	0	1	0	20.29	21.5
38000	37901	38099	QPSK	1	0	0	0	1	0	20.25	21.5
38150	37952	38150	QPSK	1	0	0	0	1	0	20.31	21.5

CA_41C

Combination:20MHz+20MHz(100RB+100RB)

PCC Channel	PCC Channel (3GPP)	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level(dB)	Measured Power(dBm)	Tune-up limit(dBm)
				RB Size	RB Offset	RB Size	RB Offset				
39750	39750	39948	QPSK	1	0	0	0	1	0	20.63	22
40620	40521	40719	QPSK	1	0	0	0	1	0	20.83	22
41490	41292	41490	QPSK	1	0	0	0	1	0	20.62	22

CA Reduction Power for Body

CA_7C

Combination:20MHz+20MHz(100RB+100RB)

PCC Channel	PCC Channel (3GPP)	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level(dB)	Measured Power(dBm)	Tune-up limit(dBm)
				RB Size	RB Offset	RB Size	RB Offset				
20850	20850	21048	QPSK	1	0	0	0	1	0	19.85	21.2
21100	21001	21199	QPSK	1	0	0	0	1	0	20.24	21.2
21350	21152	21350	QPSK	1	0	0	0	1	0	20.32	21.2