



REPORT No.: SZ24120064S01

Annex E Conducted Power

Note:

Conducted power unit: dBm

The target power was recorded in the manufacturer's document.

Project No.:	SZ24120064	EUT No.:	3#	Model Name:	RG190	
GSM850	Burst Average Power (dBm)			Frame-Average Power (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	31.61	31.63	31.66	22.61	22.63	22.66
GPRS 1 Tx slot	31.58	31.60	31.62	22.58	22.60	22.62
GPRS 2 Tx slots	30.66	30.68	30.63	24.66	24.68	24.63
GPRS 3 Tx slots	29.22	29.30	29.27	24.96	25.04	25.01
GPRS 4 Tx slots	28.11	28.19	28.15	25.11	25.19	25.15
EDGE 1 Tx slot	26.58	26.61	26.51	17.58	17.61	17.51
EDGE 2 Tx slots	25.40	25.42	25.37	19.40	19.42	19.37
EDGE 3 Tx slots	23.55	23.59	23.51	19.29	19.33	19.25
EDGE 4 Tx slots	22.47	22.53	22.46	19.47	19.53	19.46
Mode		Max.	31.66		Max.	25.19
Attenuator	Cable Loss : 0.6					
Date	12/23					

GSM1900	Burst Average Power (dBm)			Frame-Average Power (dBm)		
TX Channel	512	661	810	512	661	810
Frequency (MHz)	1850.2	1860	1909.8	1850.2	1860	1909.8
GSM 1 Tx slot	29.61	29.63	29.58	20.61	20.63	20.58
GPRS 1 Tx slot	29.55	29.61	29.57	20.55	20.61	20.57
GPRS 2 Tx slots	28.55	28.60	28.58	22.55	22.60	22.58
GPRS 3 Tx slots	26.22	26.28	26.25	21.96	22.02	21.99
GPRS 4 Tx slots	25.29	25.32	25.30	22.29	22.32	22.30
EDGE 1 Tx slot	25.47	25.52	25.49	16.47	16.52	16.49
EDGE 2 Tx slots	24.51	24.57	24.56	18.51	18.57	18.56
EDGE 3 Tx slots	22.70	22.73	22.66	18.44	18.47	18.40
EDGE 4 Tx slots	21.65	21.64	21.59	18.65	18.64	18.59
Mode		Max.	29.63		Max.	22.60
Attenuator	Cable Loss : 0.8					
Date	12/23					

Band	WCDMA Band II (dBm)			WCDMA Band IV (dBm)			WCDMA Band V (dBm)			WCDMA II			WCDMA IV			WCDMA V		
TX Channel	9262	9400	9538	1312	1413	1513	4132	4182	4233	Ch Delta > 0.5			Ch Delta > 0.5			Ch Delta > 0.5		
Rx Channel	9662	9800	9938	1537	1638	1738	4357	4407	4458									
Frequency (MHz)	1852.4	1880	1907.6	1712.4	1732.6	1752.6	826.4	836.4	846.6									
3GPP Rel 99	RMC 12.2Kbps	23.05	23.09	23.02	24.00	23.29	23.36	23.33	24.00	23.19	23.22	23.20	24.00					
3GPP Rel 5	HSDPA Subtest-1	22.13	22.27	22.45	23.00	22.72	22.64	22.49	23.00	22.08	22.12	22.16	23.00	0.32	0.23	0.08		
3GPP Rel 5	HSDPA Subtest-2	22.15	22.25	22.43	23.00	22.75	22.68	22.48	23.00	22.09	22.10	22.10	23.00	0.28	0.27	0.01		
3GPP Rel 5	HSDPA Subtest-3	21.65	21.76	21.95	22.50	22.27	22.22	22.03	22.50	21.62	21.59	21.63	22.50	0.30	0.24	0.04		
3GPP Rel 5	HSDPA Subtest-4	21.63	21.87	21.90	22.50	22.26	22.16	21.98	22.50	21.57	21.58	21.61	22.50	0.27	0.28	0.04		
3GPP Rel 6	HSDPA Subtest-1	21.62	21.76	21.90	22.50	22.17	22.10	21.95	22.50	21.54	21.58	21.62	22.50	0.28	0.22	0.08		
3GPP Rel 6	HSDPA Subtest-2	22.14	22.26	22.42	23.00	22.71	22.30	22.47	23.00	22.07	22.12	22.15	23.00	0.28	0.41	0.08		
3GPP Rel 6	HSDPA Subtest-3	21.14	21.27	21.44	22.00	21.75	21.64	21.46	22.00	21.01	21.06	21.17	22.00	0.30	0.29	0.16		
3GPP Rel 6	HSDPA Subtest-4	22.14	22.27	22.43	23.00	22.70	22.62	22.47	23.00	22.06	22.11	22.18	23.00	0.29	0.23	0.12		
3GPP Rel 6	HSDPA Subtest-5	21.13	21.24	21.43	22.00	21.72	21.63	21.44	22.00	21.01	21.06	21.13	22.00	0.30	0.28	0.12		
Attenuator	Cable Loss			0.8		Cable Loss			0.8		Cable Loss			0.6		Cable Loss		
Mode		Max.	23.09				Max.	23.36			Max.	23.22						
Date	12/23																	

Band 2 (1900MHz Band) (dBm)

Part 24E

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	23.05	23.09	23.06	24
20	QPSK	1	49	22.89	22.88	22.95	
20	QPSK	1	99	22.63	22.66	22.69	
20	QPSK	50	0	21.77	21.96	21.88	23
20	QPSK	50	24	21.85	21.93	21.77	
20	QPSK	50	50	21.76	21.90	21.68	
20	QPSK	100	0	21.83	21.87	21.75	23
20	16QAM	1	0	22.25	22.34	22.18	
20	16QAM	1	49	22.19	22.25	22.24	
20	16QAM	1	99	22.08	22.10	22.02	22
20	16QAM	50	0	21.10	21.18	21.13	
20	16QAM	50	24	21.07	21.16	21.11	
20	16QAM	50	50	20.94	21.01	20.93	22
20	16QAM	100	0	20.98	21.17	21.02	
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	22.99	23.03	23.00	24
15	QPSK	1	37	22.83	22.82	22.89	
15	QPSK	1	74	22.57	22.60	22.63	
15	QPSK	36	0	21.71	21.90	21.82	23
15	QPSK	36	20	21.79	21.87	21.71	
15	QPSK	36	39	21.70	21.84	21.62	
15	QPSK	75	0	21.77	21.81	21.69	23
15	16QAM	1	0	22.19	22.28	22.12	
15	16QAM	1	37	22.13	22.19	22.18	
15	16QAM	1	74	22.02	22.04	21.96	22
15	16QAM	36	0	21.04	21.12	21.07	
15	16QAM	36	20	21.01	21.10	21.05	
15	16QAM	36	39	20.88	20.95	20.87	22
15	16QAM	75	0	20.92	21.11	20.96	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	22.91	22.95	22.92	24
10	QPSK	1	25	22.75	22.74	22.81	
10	QPSK	1	49	22.49	22.52	22.55	
10	QPSK	25	0	21.63	21.82	21.74	23
10	QPSK	25	12	21.71	21.79	21.63	
10	QPSK	25	25	21.62	21.76	21.54	
10	QPSK	50	0	21.69	21.73	21.61	23
10	16QAM	1	0	22.11	22.20	22.04	
10	16QAM	1	25	22.05	22.11	22.10	
10	16QAM	1	49	21.94	21.96	21.88	22
10	16QAM	25	0	20.96	21.04	20.99	
10	16QAM	25	12	20.93	21.02	20.97	
10	16QAM	25	25	20.80	20.87	20.79	22
10	16QAM	50	0	20.84	21.03	20.88	

Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	22.88	22.92	22.89	24
5	QPSK	1	12	22.72	22.71	22.78	
5	QPSK	1	24	22.46	22.49	22.52	
5	QPSK	12	0	21.60	21.79	21.71	23
5	QPSK	12	7	21.68	21.76	21.60	
5	QPSK	12	13	21.59	21.73	21.51	
5	QPSK	25	0	21.66	21.70	21.58	23
5	16QAM	1	0	22.08	22.17	22.01	
5	16QAM	1	12	22.02	22.08	22.07	
5	16QAM	1	24	21.91	21.93	21.85	22
5	16QAM	12	0	20.93	21.01	20.96	
5	16QAM	12	7	20.90	20.99	20.94	
5	16QAM	12	13	20.77	20.84	20.76	22
5	16QAM	25	0	20.81	21.00	20.85	
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	22.83	22.87	22.84	24
3	QPSK	1	8	22.67	22.66	22.73	
3	QPSK	1	14	22.41	22.44	22.47	
3	QPSK	8	0	21.55	21.74	21.66	23
3	QPSK	8	4	21.63	21.71	21.55	
3	QPSK	8	7	21.54	21.68	21.46	
3	QPSK	15	0	21.61	21.65	21.53	23
3	16QAM	1	0	22.03	22.12	21.96	
3	16QAM	1	8	21.97	22.03	22.02	
3	16QAM	1	14	21.86	21.88	21.80	22
3	16QAM	8	0	20.88	20.96	20.91	
3	16QAM	8	4	20.85	20.94	20.89	
3	16QAM	8	7	20.72	20.79	20.71	22
3	16QAM	15	0	20.76	20.95	20.80	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	22.79	22.83	22.80	24
1.4	QPSK	1	3	22.63	22.62	22.69	
1.4	QPSK	1	5	22.37	22.40	22.43	
1.4	QPSK	3	0	21.51	21.70	21.62	23
1.4	QPSK	3	1	21.59	21.67	21.51	
1.4	QPSK	3	3	21.50	21.64	21.42	
1.4	QPSK	6	0	21.57	21.61	21.49	23
1.4	16QAM	1	0	21.99	22.08	21.92	
1.4	16QAM	1	3	21.93	21.99	21.98	
1.4	16QAM	1	5	21.82	21.84	21.76	23
1.4	16QAM	3	0	20.84	20.92	20.87	
1.4	16QAM	3	1	20.81	20.90	20.85	
1.4	16QAM	3	3	20.68	20.75	20.67	22
1.4	16QAM	6	0	20.72	20.91	20.76	

Band 4 (AWS Band) (dBm)

Part 27L (only on channel required)

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	23.09	23.11	23.05	24
20	QPSK	1	49	22.92	23.00	22.93	
20	QPSK	1	99	22.97	23.04	22.95	
20	QPSK	50	0	22.00	22.02	21.99	23
20	QPSK	50	24	21.99	22.00	21.90	
20	QPSK	50	50	21.90	21.95	21.85	
20	QPSK	100	0	21.92	21.97	21.94	23
20	16QAM	1	0	22.49	22.55	22.53	
20	16QAM	1	49	22.44	22.51	22.46	
20	16QAM	1	99	22.45	22.48	22.46	22
20	16QAM	50	0	21.22	21.31	21.26	
20	16QAM	50	24	21.26	21.35	21.25	
20	16QAM	50	50	21.29	21.37	21.29	22
20	16QAM	100	0	21.31	21.34	21.37	
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	23.01	23.03	22.97	24
15	QPSK	1	37	22.84	22.92	22.85	
15	QPSK	1	74	22.89	22.96	22.87	
15	QPSK	36	0	21.92	21.94	21.91	23
15	QPSK	36	20	21.91	21.92	21.82	
15	QPSK	36	39	21.82	21.87	21.77	
15	QPSK	75	0	21.84	21.89	21.86	23
15	16QAM	1	0	22.41	22.47	22.45	
15	16QAM	1	37	22.36	22.43	22.38	
15	16QAM	1	74	22.37	22.40	22.38	22
15	16QAM	36	0	21.14	21.23	21.18	
15	16QAM	36	20	21.18	21.27	21.17	
15	16QAM	36	39	21.21	21.29	21.21	22
15	16QAM	75	0	21.23	21.26	21.29	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	22.94	22.96	22.90	24
10	QPSK	1	25	22.77	22.85	22.78	
10	QPSK	1	49	22.82	22.89	22.80	
10	QPSK	25	0	21.85	21.87	21.84	23
10	QPSK	25	12	21.84	21.85	21.75	
10	QPSK	25	25	21.75	21.80	21.70	
10	QPSK	50	0	21.77	21.82	21.79	23
10	16QAM	1	0	22.34	22.40	22.38	
10	16QAM	1	25	22.29	22.36	22.31	
10	16QAM	1	49	22.30	22.33	22.31	22
10	16QAM	25	0	21.07	21.16	21.11	
10	16QAM	25	12	21.11	21.20	21.10	
10	16QAM	25	25	21.14	21.22	21.14	22
10	16QAM	50	0	21.16	21.19	21.22	

Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	22.92	22.94	22.88	24
5	QPSK	1	12	22.75	22.83	22.76	
5	QPSK	1	24	22.80	22.87	22.78	
5	QPSK	12	0	21.83	21.85	21.82	23
5	QPSK	12	7	21.82	21.83	21.73	
5	QPSK	12	13	21.73	21.78	21.68	
5	QPSK	25	0	21.75	21.80	21.77	23
5	16QAM	1	0	22.32	22.38	22.36	
5	16QAM	1	12	22.27	22.34	22.29	
5	16QAM	1	24	22.28	22.31	22.29	22
5	16QAM	12	0	21.05	21.14	21.09	
5	16QAM	12	7	21.09	21.18	21.08	
5	16QAM	12	13	21.12	21.20	21.12	22
5	16QAM	25	0	21.14	21.17	21.20	
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	22.88	22.90	22.84	24
3	QPSK	1	8	22.71	22.79	22.72	
3	QPSK	1	14	22.76	22.83	22.74	
3	QPSK	8	0	21.79	21.81	21.78	23
3	QPSK	8	4	21.78	21.79	21.69	
3	QPSK	8	7	21.69	21.74	21.64	
3	QPSK	15	0	21.71	21.76	21.73	23
3	16QAM	1	0	22.28	22.34	22.32	
3	16QAM	1	8	22.23	22.30	22.25	
3	16QAM	1	14	22.24	22.27	22.25	22
3	16QAM	8	0	21.01	21.10	21.05	
3	16QAM	8	4	21.05	21.14	21.04	
3	16QAM	8	7	21.08	21.16	21.08	22
3	16QAM	15	0	21.10	21.13	21.16	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	22.83	22.85	22.79	24
1.4	QPSK	1	3	22.66	22.74	22.67	
1.4	QPSK	1	5	22.71	22.78	22.69	
1.4	QPSK	3	0	21.74	21.76	21.73	
1.4	QPSK	3	1	21.73	21.74	21.64	
1.4	QPSK	3	3	21.64	21.69	21.59	
1.4	QPSK	6	0	21.66	21.71	21.68	23
1.4	16QAM	1	0	22.23	22.29	22.27	23
1.4	16QAM	1	3	22.18	22.25	22.20	
1.4	16QAM	1	5	22.19	22.22	22.20	
1.4	16QAM	3	0	20.96	21.05	21.00	
1.4	16QAM	3	1	21.00	21.09	20.99	
1.4	16QAM	3	3	21.03	21.11	21.03	
1.4	16QAM	6	0	21.05	21.08	21.11	22

Band 5 (Celluar Band) (dBm) Part 22H(only on channel required)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20450	20525	20600	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	23.64	23.69	23.66	24.5
10	QPSK	1	25	23.55	23.46	23.48	
10	QPSK	1	49	23.22	23.21	23.23	
10	QPSK	25	0	22.72	22.75	22.58	23.5
10	QPSK	25	12	22.63	22.68	22.50	
10	QPSK	25	25	22.47	22.60	22.36	
10	QPSK	50	0	22.38	22.47	22.43	23.5
10	16QAM	1	0	22.26	22.32	22.24	
10	16QAM	1	25	22.21	22.29	22.24	
10	16QAM	1	49	22.24	22.25	22.19	22.5
10	16QAM	25	0	21.05	21.12	21.05	
10	16QAM	25	12	20.95	21.03	20.94	
10	16QAM	25	25	21.00	21.05	21.02	22.5
10	16QAM	50	0	20.98	21.08	20.98	
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	23.58	23.63	23.60	
5	QPSK	1	12	23.49	23.40	23.42	24.5
5	QPSK	1	24	23.16	23.15	23.17	
5	QPSK	12	0	22.66	22.69	22.52	23.5
5	QPSK	12	7	22.57	22.62	22.44	
5	QPSK	12	13	22.41	22.54	22.30	
5	QPSK	25	0	22.32	22.41	22.37	23.5
5	16QAM	1	0	22.20	22.26	22.18	
5	16QAM	1	12	22.15	22.23	22.18	
5	16QAM	1	24	22.18	22.19	22.13	22.5
5	16QAM	12	0	20.99	21.06	20.99	
5	16QAM	12	7	20.89	20.97	20.88	
5	16QAM	12	13	20.94	20.99	20.96	22.5
5	16QAM	25	0	20.92	21.02	20.92	
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	23.51	23.56	23.53	
3	QPSK	1	8	23.42	23.33	23.35	24.5
3	QPSK	1	14	23.09	23.08	23.10	
3	QPSK	8	0	22.59	22.62	22.45	23.5
3	QPSK	8	4	22.50	22.55	22.37	
3	QPSK	8	7	22.34	22.47	22.23	
3	QPSK	15	0	22.25	22.34	22.30	23.5
3	16QAM	1	0	22.13	22.19	22.11	
3	16QAM	1	8	22.08	22.16	22.11	
3	16QAM	1	14	22.11	22.12	22.06	22.5
3	16QAM	8	0	20.92	20.99	20.92	
3	16QAM	8	4	20.82	20.90	20.81	
3	16QAM	8	7	20.87	20.92	20.89	22.5
3	16QAM	15	0	20.85	20.95	20.85	

Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	23.43	23.48	23.45	24.5
1.4	QPSK	1	3	23.34	23.25	23.27	
1.4	QPSK	1	5	23.01	23.00	23.02	
1.4	QPSK	3	0	22.51	22.54	22.37	
1.4	QPSK	3	1	22.42	22.47	22.29	
1.4	QPSK	3	3	22.26	22.39	22.15	
1.4	QPSK	6	0	22.17	22.26	22.22	23.5
1.4	16QAM	1	0	22.05	22.11	22.03	23.5
1.4	16QAM	1	3	22.00	22.08	22.03	
1.4	16QAM	1	5	22.03	22.04	21.98	
1.4	16QAM	3	0	20.84	20.91	20.84	
1.4	16QAM	3	1	20.74	20.82	20.73	
1.4	16QAM	3	3	20.79	20.84	20.81	
1.4	16QAM	6	0	20.77	20.87	20.77	22.5

Band 7 (2600MHz Band) (dBm)

Part 27

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	23.24	23.25	23.20	24
20	QPSK	1	49	23.22	23.16	23.23	
20	QPSK	1	99	23.21	23.23	22.90	
20	QPSK	50	0	22.33	22.36	22.27	23
20	QPSK	50	24	22.29	22.33	22.19	
20	QPSK	50	50	22.27	22.34	22.29	
20	QPSK	100	0	22.19	22.27	22.22	
20	16QAM	1	0	22.33	22.17	22.31	23
20	16QAM	1	49	22.17	22.20	22.18	
20	16QAM	1	99	22.04	22.14	22.09	
20	16QAM	50	0	21.30	21.31	21.24	22
20	16QAM	50	24	21.03	21.24	21.23	
20	16QAM	50	50	21.29	21.32	21.30	
20	16QAM	100	0	21.35	21.34	21.28	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	23.18	23.19	23.14	24
15	QPSK	1	37	23.16	23.10	23.17	
15	QPSK	1	74	23.15	23.17	22.84	
15	QPSK	36	0	22.27	22.30	22.21	23
15	QPSK	36	20	22.23	22.27	22.13	
15	QPSK	36	39	22.21	22.28	22.23	
15	QPSK	75	0	22.13	22.21	22.16	
15	16QAM	1	0	22.27	22.11	22.25	23
15	16QAM	1	37	22.11	22.14	22.12	
15	16QAM	1	74	21.98	22.08	22.03	
15	16QAM	36	0	21.24	21.25	21.18	22
15	16QAM	36	20	20.97	21.18	21.17	
15	16QAM	36	39	21.23	21.26	21.24	
15	16QAM	75	0	21.29	21.28	21.22	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	23.09	23.10	23.05	24
10	QPSK	1	25	23.07	23.01	23.08	
10	QPSK	1	49	23.06	23.08	22.75	
10	QPSK	25	0	22.18	22.21	22.12	23
10	QPSK	25	12	22.14	22.18	22.04	
10	QPSK	25	25	22.12	22.19	22.14	
10	QPSK	50	0	22.04	22.12	22.07	
10	16QAM	1	0	22.18	22.02	22.16	23
10	16QAM	1	25	22.02	22.05	22.03	
10	16QAM	1	49	21.89	21.99	21.94	
10	16QAM	25	0	21.15	21.16	21.09	22
10	16QAM	25	12	20.88	21.09	21.08	
10	16QAM	25	25	21.14	21.17	21.15	
10	16QAM	50	0	21.20	21.19	21.13	

Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	23.02	23.03	22.98	24
5	QPSK	1	12	23.00	22.94	23.01	
5	QPSK	1	24	22.99	23.01	22.68	
5	QPSK	12	0	22.11	22.14	22.05	23
5	QPSK	12	7	22.07	22.11	21.97	
5	QPSK	12	13	22.05	22.12	22.07	
5	QPSK	25	0	21.97	22.05	22.00	
5	16QAM	1	0	22.11	21.95	22.09	23
5	16QAM	1	12	21.95	21.98	21.96	
5	16QAM	1	24	21.82	21.92	21.87	
5	16QAM	12	0	21.08	21.09	21.02	22
5	16QAM	12	7	20.81	21.02	21.01	
5	16QAM	12	13	21.07	21.10	21.08	
5	16QAM	25	0	21.13	21.12	21.06	

Band 38(only on channel required) (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	22.73	22.77	22.75	23.5
20	QPSK	1	49	22.60	22.73	22.57	
20	QPSK	1	99	22.72	22.69	22.51	
20	QPSK	50	0	21.72	21.79	21.74	
20	QPSK	50	24	21.75	21.76	21.62	22.5
20	QPSK	50	50	21.72	21.65	21.58	
20	QPSK	100	0	21.75	21.78	21.65	
20	16QAM	1	0	21.85	21.86	21.74	
20	16QAM	1	49	21.75	21.78	21.82	22.5
20	16QAM	1	99	21.67	21.71	21.68	
20	16QAM	50	0	20.72	20.79	20.60	
20	16QAM	50	24	20.80	20.75	20.77	
20	16QAM	50	50	20.62	20.67	20.60	21.5
20	16QAM	100	0	20.71	20.72	20.66	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	22.67	22.71	22.69	23.5
15	QPSK	1	37	22.54	22.67	22.51	
15	QPSK	1	74	22.66	22.63	22.45	
15	QPSK	36	0	21.66	21.73	21.68	
15	QPSK	36	20	21.69	21.70	21.56	22.5
15	QPSK	36	39	21.66	21.59	21.52	
15	QPSK	75	0	21.69	21.72	21.59	
15	16QAM	1	0	21.79	21.80	21.68	
15	16QAM	1	37	21.69	21.72	21.76	22.5
15	16QAM	1	74	21.61	21.65	21.62	
15	16QAM	36	0	20.66	20.73	20.54	
15	16QAM	36	20	20.74	20.69	20.71	
15	16QAM	36	39	20.56	20.61	20.54	21.5
15	16QAM	75	0	20.65	20.66	20.60	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	22.59	22.63	22.61	23.5
10	QPSK	1	25	22.46	22.59	22.43	
10	QPSK	1	49	22.58	22.55	22.37	
10	QPSK	25	0	21.58	21.65	21.60	
10	QPSK	25	12	21.61	21.62	21.48	22.5
10	QPSK	25	25	21.58	21.51	21.44	
10	QPSK	50	0	21.61	21.64	21.51	
10	16QAM	1	0	21.71	21.72	21.60	
10	16QAM	1	25	21.61	21.64	21.68	22.5
10	16QAM	1	49	21.53	21.57	21.54	
10	16QAM	25	0	20.58	20.65	20.46	
10	16QAM	25	12	20.66	20.61	20.63	
10	16QAM	25	25	20.48	20.53	20.46	21.5
10	16QAM	50	0	20.57	20.58	20.52	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	22.54	22.58	22.56	23.5
5	QPSK	1	12	22.41	22.54	22.38	
5	QPSK	1	24	22.53	22.50	22.32	
5	QPSK	12	0	21.53	21.60	21.55	
5	QPSK	12	7	21.56	21.57	21.43	22.5
5	QPSK	12	13	21.53	21.46	21.39	
5	QPSK	25	0	21.56	21.59	21.46	
5	16QAM	1	0	21.66	21.67	21.55	
5	16QAM	1	12	21.56	21.59	21.63	22.5
5	16QAM	1	24	21.48	21.52	21.49	
5	16QAM	12	0	20.53	20.60	20.41	
5	16QAM	12	7	20.61	20.56	20.58	
5	16QAM	12	13	20.43	20.48	20.41	21.5
5	16QAM	25	0	20.52	20.53	20.47	

Band 41 (2496~2690MHz) (dBm)									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Low Channel	Middle Channel	Middle High Channel	High Channel	Tune-up limit (dBm)
Channel				39750	40165	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	22.61	22.66	22.73	22.69	22.67	23.5
20	QPSK	1	49	22.58	22.53	22.58	22.60	22.58	
20	QPSK	1	99	22.54	22.50	22.55	22.49	22.44	
20	QPSK	50	0	21.60	21.59	21.67	21.61	21.57	
20	QPSK	50	24	21.58	21.54	21.42	21.44	21.45	22.5
20	QPSK	50	50	21.51	21.45	21.43	21.46	21.44	
20	QPSK	100	0	21.37	21.38	21.49	21.40	21.32	
20	16QAM	1	0	21.66	21.65	21.69	21.51	21.71	
20	16QAM	1	49	21.44	21.38	21.38	21.45	21.50	22.5
20	16QAM	1	99	21.48	21.44	21.40	21.49	21.38	
20	16QAM	50	0	20.48	20.50	20.45	20.56	20.35	
20	16QAM	50	24	20.42	20.50	20.42	20.47	20.40	
20	16QAM	50	50	20.44	20.44	20.51	20.43	20.52	21.5
20	16QAM	100	0	20.61	20.59	20.50	20.45	20.68	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	22.53	22.58	22.65	22.61	22.59	23.5
15	QPSK	1	37	22.50	22.45	22.50	22.52	22.50	
15	QPSK	1	74	22.46	22.42	22.47	22.41	22.36	
15	QPSK	36	0	21.52	21.51	21.59	21.53	21.49	
15	QPSK	36	20	21.50	21.46	21.34	21.36	21.37	22.5
15	QPSK	36	39	21.43	21.37	21.35	21.38	21.36	
15	QPSK	75	0	21.29	21.30	21.41	21.32	21.24	
15	16QAM	1	0	21.58	21.57	21.61	21.43	21.63	
15	16QAM	1	37	21.36	21.30	21.30	21.37	21.42	22.5
15	16QAM	1	74	21.40	21.36	21.32	21.41	21.30	
15	16QAM	36	0	20.40	20.42	20.37	20.48	20.27	
15	16QAM	36	20	20.34	20.42	20.34	20.39	20.32	
15	16QAM	36	39	20.36	20.36	20.43	20.35	20.44	21.5
15	16QAM	75	0	20.53	20.51	20.42	20.37	20.60	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	22.53	22.58	22.65	22.61	22.59	23.5
10	QPSK	1	25	22.50	22.45	22.50	22.52	22.50	
10	QPSK	1	49	22.46	22.42	22.47	22.41	22.36	
10	QPSK	25	0	21.52	21.51	21.59	21.53	21.49	
10	QPSK	25	12	21.50	21.46	21.34	21.36	21.37	22.5
10	QPSK	25	25	21.43	21.37	21.35	21.38	21.36	
10	QPSK	50	0	21.29	21.30	21.41	21.32	21.24	
10	16QAM	1	0	21.58	21.57	21.61	21.43	21.63	
10	16QAM	1	25	21.36	21.30	21.30	21.37	21.42	22.5
10	16QAM	1	49	21.40	21.36	21.32	21.41	21.30	
10	16QAM	25	0	20.40	20.42	20.37	20.48	20.27	
10	16QAM	25	12	20.34	20.42	20.34	20.39	20.32	
10	16QAM	25	25	20.36	20.36	20.43	20.35	20.44	21.5
10	16QAM	50	0	20.53	20.51	20.42	20.37	20.60	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	22.47	22.52	22.59	22.55	22.53	23.5
5	QPSK	1	12	22.44	22.39	22.44	22.46	22.44	
5	QPSK	1	24	22.40	22.36	22.41	22.35	22.30	
5	QPSK	12	0	21.46	21.45	21.53	21.47	21.43	
5	QPSK	12	7	21.44	21.40	21.28	21.30	21.31	22.5
5	QPSK	12	13	21.37	21.31	21.29	21.32	21.30	
5	QPSK	25	0	21.23	21.24	21.35	21.26	21.18	
5	16QAM	1	0	21.52	21.51	21.55	21.37	21.57	
5	16QAM	1	12	21.30	21.24	21.24	21.31	21.36	22.5
5	16QAM	1	24	21.34	21.30	21.26	21.35	21.24	
5	16QAM	12	0	20.34	20.36	20.31	20.42	20.21	
5	16QAM	12	7	20.28	20.36	20.28	20.33	20.26	
5	16QAM	12	13	20.30	20.30	20.37	20.29	20.38	21.5
5	16QAM	25	0	20.47	20.45	20.36	20.31	20.54	

2.4GHz WLAN ANT 1

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
2.4GHz WLAN ANT 1	802.11b 1Mbps	CH 1	2412	14.95	15.50	18.00	99.67
		CH 6	2437	15.62	16.50	18.00	99.64
		CH 11	2462	14.85	15.50	18.00	99.67
	802.11g 6Mbps	CH 1	2412	13.82	14.50	17.00	97.48
		CH 6	2437	14.14	15.00	17.00	97.62
		CH 11	2462	13.21	14.00	17.00	97.48
	802.11n-HT20 MCS0	CH 1	2412	12.89	13.50	16.00	97.45
		CH 6	2437	13.56	14.50	16.00	97.46
		CH 11	2462	12.61	13.50	16.00	97.31
	802.11n-HT40 MCS0	CH 3	2422	13.26	14.00	16.00	95.03
		CH 6	2437	13.24	14.00	16.00	95.03
		CH 9	2452	13.00	13.50	16.00	95.01

5GHz WLAN ANT 1

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.2GHz WLAN ANT 1	802.11a 6Mbps	CH 36	5180	13.20	14.00	12.00	97.20
		CH 44	5220	12.92	14.00	12.00	97.20
		CH 48	5240	12.31	13.00	12.00	97.90
	802.11n-HT20 MCS0	CH 36	5180	12.62	13.50	12.00	97.74
		CH 44	5220	13.03	13.50	12.00	
		CH 48	5240	12.86	13.50	12.00	
	802.11n-HT40 MCS0	CH 38	5190	13.22	14.00	12.00	95.59
		CH 46	5230	12.61	13.50	12.00	94.12

5GHz WLAN ANT 1

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.3GHz WLAN ANT 1	802.11a 6Mbps	CH 52	5260	12.90	14.00	12.00	97.89
		CH 60	5300	12.59	13.50	12.00	97.89
		CH 64	5320	12.47	13.50	12.00	97.20
	802.11n-HT20 MCS0	CH 52	5260	12.99	14.00	12.00	97.74
		CH 60	5300	12.50	13.50	12.00	97.01
		CH 64	5320	12.47	13.50	12.00	97.76
	802.11n-HT40 MCS0	CH 54	5270	12.73	13.50	12.00	94.20
		CH 62	5310	12.17	13.00	12.00	95.59

5GHz WLAN ANT 1

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.5GHz WLAN ANT 1	802.11a 6Mbps	CH 100	5500	13.06	14.00	12.00	97.20
		CH 116	5580	13.22	14.00	12.00	
		CH 144	5720	13.30	14.00	12.00	
	802.11n-HT20 MCS0	CH 100	5500	13.16	14.00	12.00	97.01
		CH 116	5580	13.15	14.00	12.00	97.74
		CH 144	5720	13.21	14.00	12.00	97.01
	802.11n-HT40 MCS0	CH 102	5510	13.18	14.00	12.00	94.12
		CH 110	5550	12.78	13.50	12.00	
		CH 142	5710	13.35	14.00	12.00	

5GHz WLAN ANT 1

5.8GHz WLAN ANT 1							
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.8GHz WLAN ANT 1	802.11a 6Mbps	CH 149	5745	12.32	13.00	12.00	97.20
		CH 157	5785	12.57	13.50	12.00	
		CH 165	5825	11.95	13.00	12.00	
	802.11n-HT20 MCS0	CH 149	5745	12.29	13.00	12.00	97.74
		CH 157	5785	12.50	13.50	12.00	
		CH 165	5825	12.06	13.00	12.00	
	802.11n-HT40 MCS0	CH 151	5755	12.23	13.00	12.00	94.12
		CH 159	5795	12.23	13.00	12.00	

Mode	Channel	Frequency (MHz)	1Mbps			1Mbps			1Mbps		
			Average power (dBm)	Tune-up Limit	Duty Cycle %	Average power (dBm)	Tune-up Limit	Duty Cycle %	Average power (dBm)	Tune-up Limit	Duty Cycle %
BR / EDR	CH 00	2402	6.81	7.50	76.88	6.03	7.00	76.99	6.06	7.00	77.04
	CH 39	2441	7.64	8.50	76.88	6.90	8.00	76.99	6.93	8.00	77.04
	CH 78	2480	6.46	7.00	76.88	5.80	6.50	76.99	5.91	7.00	77.01
Power Setting			Default								

Mode	Channel	Frequency (MHz)	1Mbps		
			Average power (dBm)	Tune-up Limit	Duty Cycle %
BLE	CH 00	2402	4.45	5.50	61.44
	CH 19	2440	4.10	5.00	61.52
	CH 39	2480	3.92	5.00	61.44
Power Setting			Default		