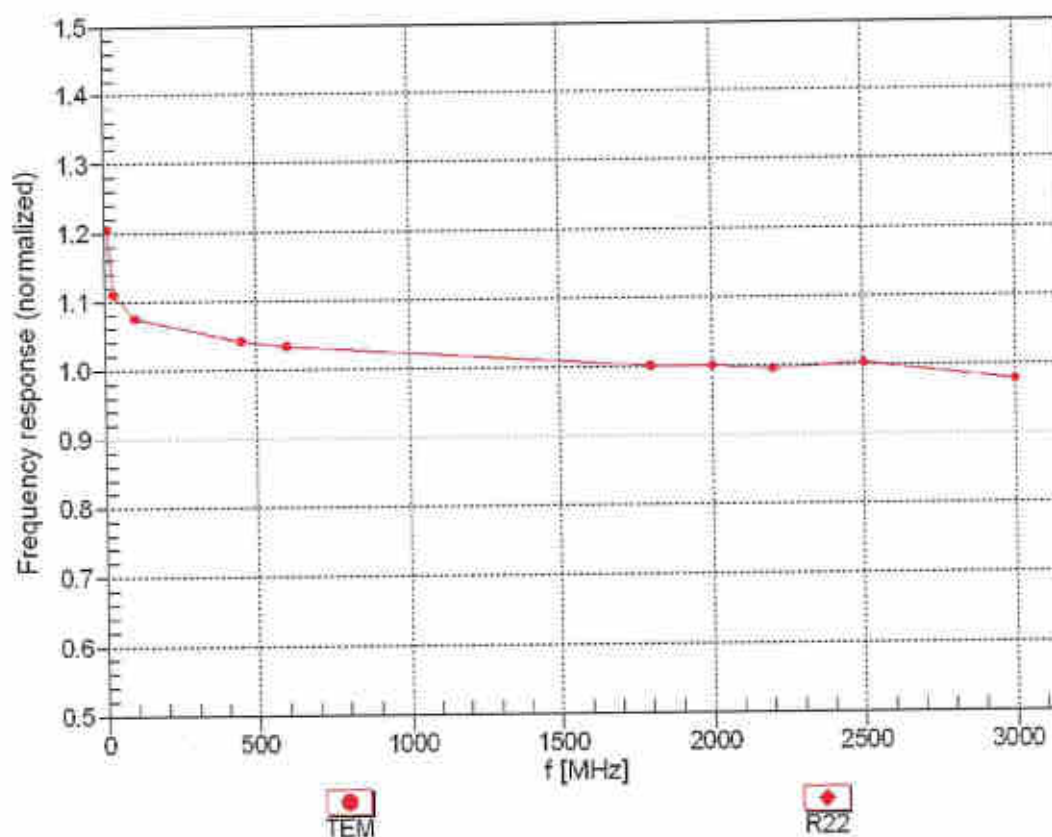


Frequency Response of E-Field

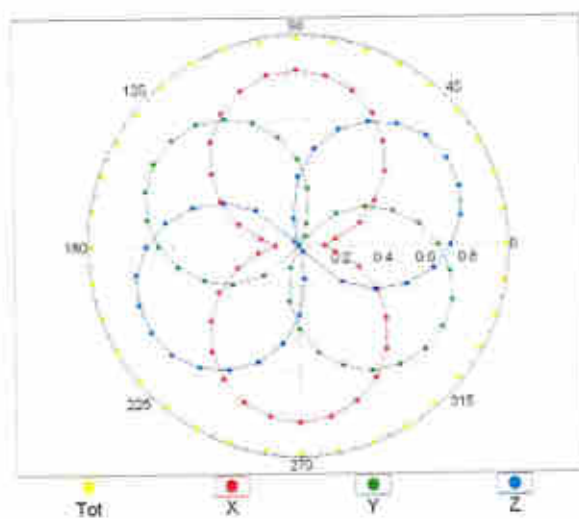
(TEM-Cell: ifi110 EXX, Waveguide: R22)



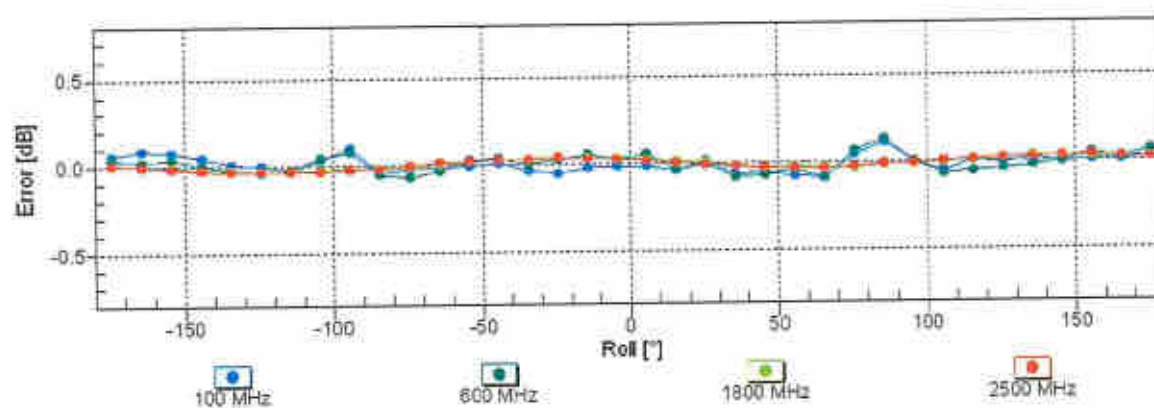
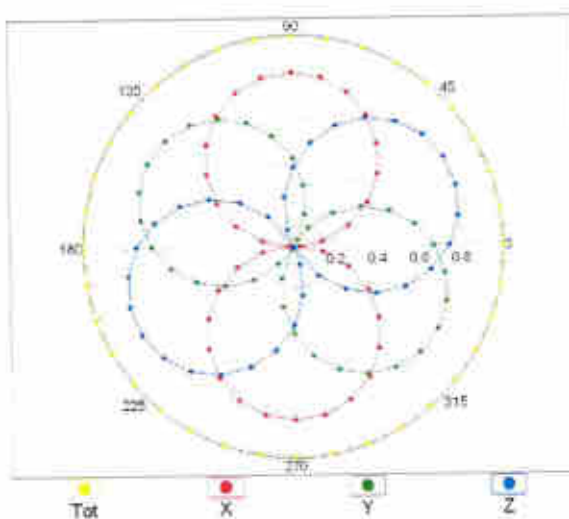
Uncertainty of Frequency Response of E-field: $\pm 6.3\%$ ($k=2$)

Receiving Pattern (ϕ), $\theta = 0^\circ$

f=600 MHz,TEM

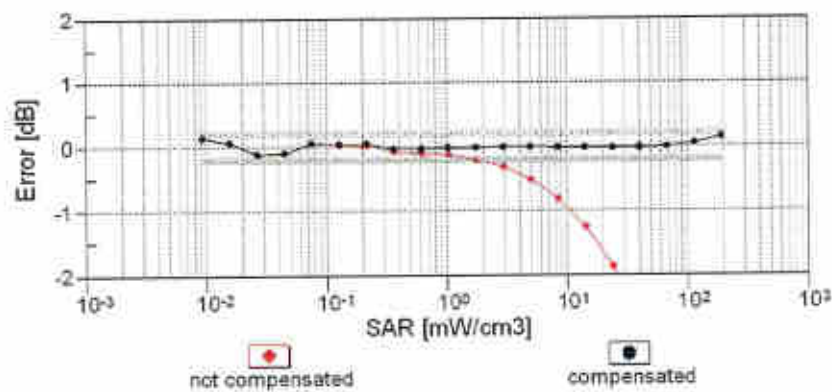
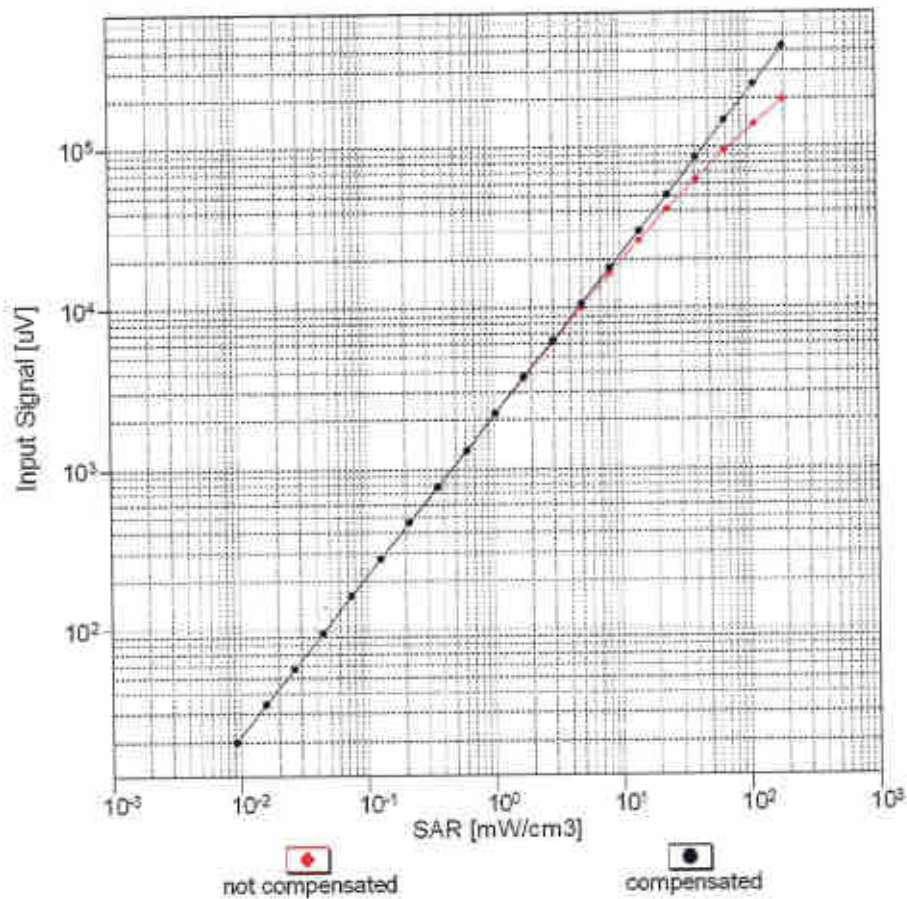


f=1800 MHz,R22



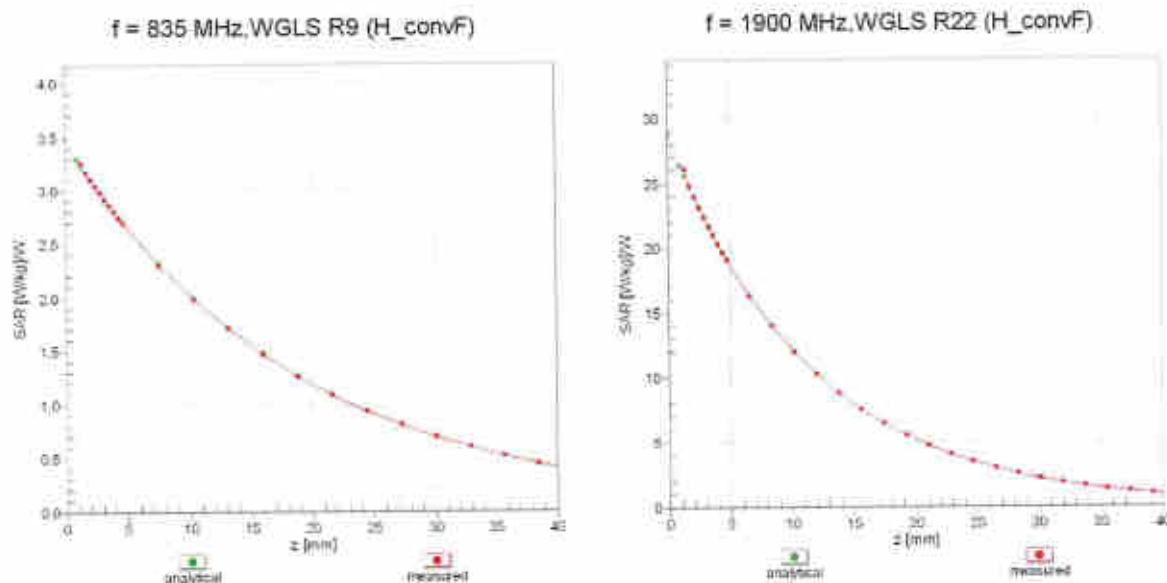
Uncertainty of Axial Isotropy Assessment: $\pm 0.5\%$ ($k=2$)

Dynamic Range $f(\text{SAR}_{\text{head}})$ (TEM cell, $f_{\text{eval}} = 1900 \text{ MHz}$)



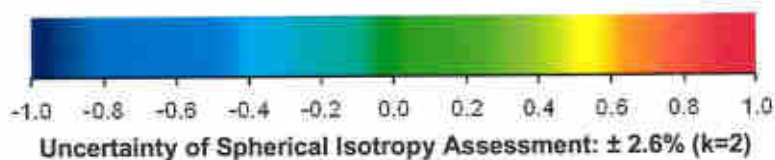
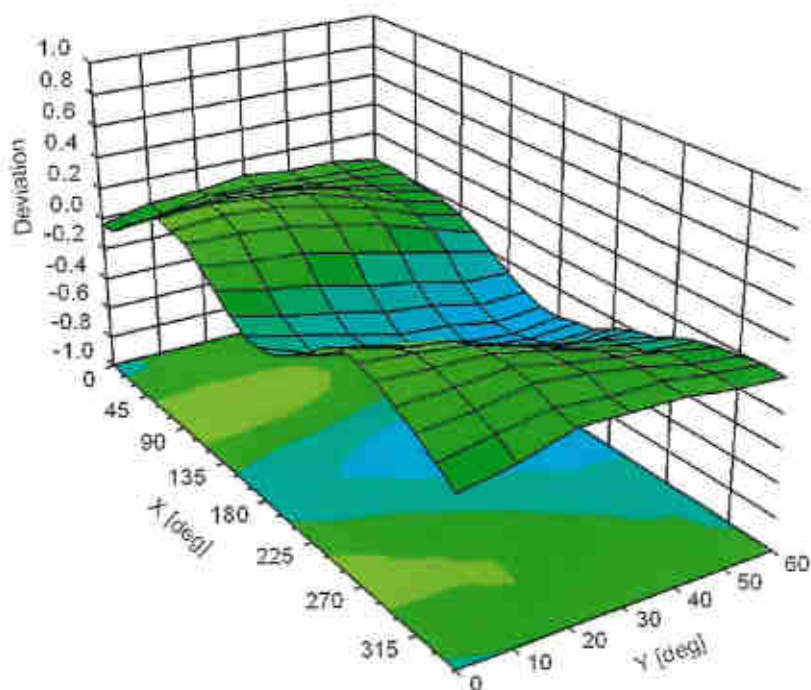
Uncertainty of Linearity Assessment: $\pm 0.6\%$ ($k=2$)

Conversion Factor Assessment



Deviation from Isotropy in Liquid

Error (ϕ , θ), $f = 900 \text{ MHz}$





Appendix E. Conducted RF Output Power Table

The detailed power table are shown as follows.

Full Power

GSM900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	128	189	251	128	128	189	251	128
Frequency (MHz)	921.2	935.4	949.6	921.2	921.2	935.4	949.6	921.2
GSM 1 Tx slot	32.72	32.61	32.49	34.00	23.72	23.61	23.49	25.00
GPRS 1 Tx slot	32.71	32.59	32.50	34.00	23.71	23.59	23.50	25.00
GPRS 2 Tx slots	30.49	30.37	30.38	32.00	24.49	24.37	24.38	26.00
GPRS 3 Tx slots	29.32	29.20	29.32	31.00	25.06	24.94	25.06	26.74
GPRS 4 Tx slots	28.19	28.18	28.15	30.00	25.19	25.18	25.15	27.00
EDGE 1 Tx slot	26.34	26.32	26.25	28.00	17.34	17.32	17.25	19.00
EDGE 2 Tx slots	24.77	24.78	24.71	26.00	16.77	16.78	16.71	20.00
EDGE 3 Tx slots	23.67	23.75	23.63	25.00	16.41	16.49	16.37	20.74
EDGE 4 Tx slots	22.47	22.55	22.62	24.00	16.47	16.55	16.62	21.00

GSM1900	Burst Average Power (dBm)			Tune-up	Frame Average Power (dBm)			Tune-up
	512	661	910		512	661	910	
TX Channel				Limit (dBm)				Limit (dBm)
Frequency (MHz)	1852.2	1860	1868.8	1852.2	1852.2	1860	1868.8	1852.2
GSM 1 Tx slot	30.81	30.68	30.53	31.00	21.81	21.66	21.53	22.00
GPRS 1 Tx slot	30.79	30.64	30.52	31.00	21.79	21.64	21.52	22.00
GPRS 2 Tx slots	28.72	28.38	28.53	29.00	22.72	22.38	22.53	23.00
GPRS 3 Tx slots	27.38	26.96	27.28	28.00	23.12	22.70	23.02	23.74
GPRS 4 Tx slots	26.33	26.44	26.45	27.00	23.33	23.44	23.45	24.00
EDGE 1 Tx slot	25.54	25.23	25.48	27.00	16.54	16.23	16.48	18.00
EDGE 2 Tx slots	23.81	23.61	23.82	25.00	17.81	17.61	17.82	19.00
EDGE 3 Tx slots	22.55	22.45	22.57	24.00	18.29	18.19	18.31	19.74
EDGE 4 Tx slots	21.33	21.09	21.29	23.00	18.33	18.09	18.29	20.00

Band		WCDMA #			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1860	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.54	23.65	23.55	24.50	23.48	23.70	23.78	24.50	23.31	23.44	23.51	24.50
3GPP Rel 99	RM-C 12.2Kbps	23.55	23.68	23.58	24.50	23.50	23.71	23.81	24.50	23.33	23.45	23.52	24.50
3GPP Rel 6	HSDPA Subtest-1	23.15	23.46	23.40	24.00	23.12	23.20	23.22	24.00	23.08	23.18	23.06	24.00
3GPP Rel 6	HSDPA Subtest-2	23.23	23.44	23.37	24.00	23.13	23.19	23.22	24.00	23.08	23.15	23.05	24.00
3GPP Rel 6	HSDPA Subtest-3	22.81	22.96	22.89	23.50	22.64	22.71	22.75	23.50	22.58	22.66	22.55	23.50
3GPP Rel 6	HSDPA Subtest-4	22.88	22.96	22.89	23.50	22.64	22.71	22.75	23.50	22.59	22.66	22.55	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.12	23.31	23.41	24.00	23.19	23.19	23.05	24.00	23.06	23.17	22.98	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.18	23.28	23.31	24.00	23.15	23.19	23.01	24.00	23.03	23.14	22.97	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.72	22.82	22.95	23.50	22.70	22.72	22.57	23.50	22.56	22.61	22.45	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.85	22.86	22.91	23.50	22.68	22.71	22.56	23.50	22.57	22.65	22.47	23.50
3GPP Rel 6	HSUPA Subtest-1	22.58	22.89	22.85	24.00	22.75	23.16	22.89	24.00	22.92	22.92	22.51	24.00
3GPP Rel 6	HSUPA Subtest-2	21.19	21.40	21.12	22.00	21.02	21.01	21.34	22.00	21.01	21.07	21.08	22.00
3GPP Rel 6	HSUPA Subtest-3	21.81	22.13	22.08	23.00	21.60	21.76	21.72	23.00	21.73	21.71	21.69	23.00
3GPP Rel 6	HSUPA Subtest-4	21.19	21.34	21.10	22.00	21.03	21.04	21.02	22.00	21.02	21.01	21.07	22.00
3GPP Rel 6	HSUPA Subtest-5	23.20	23.40	23.20	24.00	23.00	23.10	23.00	24.00	23.00	23.10	23.10	24.00

Band 2 (1900MHz Band)									
Part 24E									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				18700	18800	19100			
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	0	24.25	24.35	24.29	24.5	0	
20	QPSK	1	49	24.21	24.22	24.11			
20	QPSK	1	99	24.21	24.07	23.96			
20	QPSK	50	0	23.32	23.36	23.32	23.5	1	
20	QPSK	50	24	23.26	23.32	23.39			
20	QPSK	50	50	23.22	23.29	23.25			
20	QPSK	100	0	23.18	23.39	23.38	23.5	1	
20	16QAM	1	0	22.75	23.01	23.15			
20	16QAM	1	49	23.18	23.09	23.25			
20	16QAM	1	99	22.95	22.88	22.89	23.5	1	
20	16QAM	50	0	21.59	21.68	21.74			
20	16QAM	50	24	21.87	21.75	21.92			
20	16QAM	50	50	21.47	21.65	21.89	22.5	2	
20	16QAM	100	0	21.46	21.70	21.76			
Channel				18675	18800	19125	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	0	24.30	24.21	24.12	24.5	0	
15	QPSK	1	37	24.34	24.23	24.12			
15	QPSK	1	74	24.29	24.28	24.00			
15	QPSK	36	0	23.33	23.40	23.46	23.5	1	
15	QPSK	36	20	23.32	23.40	23.48			
15	QPSK	36	39	23.13	23.33	23.30			
15	QPSK	75	0	23.03	23.36	23.46	23.5	1	
15	16QAM	1	0	22.87	23.09	23.17			
15	16QAM	1	37	23.32	23.19	23.25			
15	16QAM	1	74	23.14	23.12	23.37	23.5	1	
15	16QAM	36	0	21.83	21.70	21.74			
15	16QAM	36	20	21.49	21.78	21.48			
15	16QAM	36	39	21.42	21.62	21.59	22.5	2	
15	16QAM	75	0	21.40	21.81	21.82			
Channel				18650	18800	19150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	0	24.27	24.11	24.18	24.5	0	
10	QPSK	1	25	24.34	24.32	24.14			
10	QPSK	1	49	24.24	24.12	24.04			
10	QPSK	25	0	23.25	23.43	23.41	23.5	1	
10	QPSK	25	12	23.45	23.41	23.33			
10	QPSK	25	25	23.34	23.31	23.30			
10	QPSK	50	0	23.31	23.32	23.38	23.5	1	
10	16QAM	1	0	23.42	23.08	22.93			
10	16QAM	1	25	23.41	22.96	23.07			
10	16QAM	1	49	23.03	23.03	22.97	23.5	1	
10	16QAM	25	0	21.49	21.80	21.76			
10	16QAM	25	12	21.90	21.77	21.68			
10	16QAM	25	25	21.58	21.65	21.82	22.5	2	
10	16QAM	50	0	21.57	21.59	21.66			
Channel				18625	18800	19175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	0	24.09	24.24	24.10	24.5	0	
5	QPSK	1	12	24.23	24.35	24.11			
5	QPSK	1	24	23.91	24.25	24.31			
5	QPSK	12	0	23.06	23.26	23.32	23.5	1	
5	QPSK	12	7	23.14	23.39	23.43			
5	QPSK	12	13	23.08	23.26	23.29			
5	QPSK	25	0	23.18	23.33	23.23	23.5	1	
5	16QAM	1	0	23.12	22.92	22.74			
5	16QAM	1	12	23.21	23.16	23.03			
5	16QAM	1	24	23.15	23.12	23.08	23.5	1	
5	16QAM	12	0	22.14	22.32	22.34			
5	16QAM	12	7	22.32	22.32	22.12			
5	16QAM	12	13	22.27	22.33	22.34	22.5	2	
5	16QAM	25	0	22.42	22.44	22.33			
Channel				18615	18800	19165	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1851.5	1880	1908.5			
3	QPSK	1	0	24.01	23.99	24.15	24.5	0	
3	QPSK	1	8	23.88	24.04	23.85			
3	QPSK	1	14	24.17	23.84	23.95			
3	QPSK	8	0	22.77	22.96	23.07	23.5	1	
3	QPSK	8	4	22.83	23.10	23.08			
3	QPSK	8	7	22.79	23.02	22.99			
3	QPSK	15	0	22.90	23.05	23.02	23.5	1	
3	16QAM	1	0	23.23	23.43	23.31			
3	16QAM	1	8	23.04	23.12	23.25			
3	16QAM	1	14	23.01	23.39	23.34	23.5	1	
3	16QAM	8	0	21.86	22.17	22.15			
3	16QAM	8	4	21.88	22.03	22.13			
3	16QAM	8	7	21.99	22.11	22.08	22.5	2	
3	16QAM	15	0	21.80	22.16	22.14			
Channel				18607	18800	19153	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1850.7	1880	1909.3			
1.4	QPSK	1	0	23.79	24.16	24.01	24.5	0	
1.4	QPSK	1	3	23.90	24.07	24.10			
1.4	QPSK	1	5	23.75	24.11	24.14			
1.4	QPSK	3	0	23.95	24.13	24.26	23.5	1	
1.4	QPSK	3	1	24.01	24.23	24.28			
1.4	QPSK	3	3	24.06	24.11	24.17			
1.4	QPSK	6	0	22.79	22.98	22.97	23.5	1	
1.4	16QAM	1	0	23.34	23.12	23.13			
1.4	16QAM	1	3	23.39	23.10	23.40			
1.4	16QAM	1	5	23.35	23.08	23.41	23.5	1	
1.4	16QAM	3	0	23.00	22.96	23.09			
1.4	16QAM	3	1	23.03	22.97	22.72			
1.4	16QAM	3	3	23.09	22.90	22.93	22.5	2	
1.4	16QAM	6	0	21.77	21.84	21.83			

Band 4 (AWS Band)									
Part 27L (only on channel required)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	24.11	24.30	24.18	24.5	0	
20	QPSK	1	49	23.97	24.04	24.16			
20	QPSK	1	99	24.00	23.91	24.01			
20	QPSK	50	0	23.14	23.25	23.24	23.5	1	
20	QPSK	50	24	23.19	23.10	23.17			
20	QPSK	50	50	23.21	23.09	22.93			
20	QPSK	100	0	23.12	23.17	23.16	23.5	1	
20	16QAM	1	0	22.91	22.72	22.87			
20	16QAM	1	49	23.03	23.05	22.69			
20	16QAM	1	99	22.91	23.01	22.69	23.5	1	
20	16QAM	50	0	22.22	22.30	22.23			
20	16QAM	50	24	22.27	22.09	22.24			
20	16QAM	50	50	22.30	22.17	22.10	22.5	2	
20	16QAM	100	0	22.18	22.24	22.21			
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1732.5	1747.5			
15	QPSK	1	0	24.26	24.07	24.26	24.5	0	
15	QPSK	1	37	24.29	24.21	24.23			
15	QPSK	1	74	24.18	24.15	24.08			
15	QPSK	36	0	23.13	23.16	23.22	23.5	1	
15	QPSK	36	20	23.17	23.10	23.03			
15	QPSK	36	39	23.09	23.11	22.99			
15	16QAM	1	0	22.97	23.17	23.09	23.5	1	
15	16QAM	1	0	22.68	22.87	22.81			
15	16QAM	1	37	22.84	22.85	22.74			
15	16QAM	1	74	22.86	22.54	22.71	22.5	2	
15	16QAM	36	0	22.04	22.20	22.24			
15	16QAM	36	20	22.10	22.13	22.13			
15	16QAM	36	39	22.12	22.04	22.01	22.5	2	
15	16QAM	75	0	22.10	22.32	22.14			
Channel				20000	20175	20300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1732.5	1750			
10	QPSK	1	0	24.23	23.80	23.87	24.5	0	
10	QPSK	1	25	24.04	23.94	23.99			
10	QPSK	1	49	24.28	23.81	23.99			
10	QPSK	25	0	23.11	23.03	23.10	23.5	1	
10	QPSK	25	12	23.12	23.00	22.86			
10	QPSK	25	25	23.04	23.03	22.85			
10	QPSK	50	0	23.17	23.07	23.00	23.5	1	
10	16QAM	1	0	22.65	22.63	22.93			
10	16QAM	1	25	22.68	23.01	22.84			
10	16QAM	1	49	22.73	23.03	22.77	22.5	2	
10	16QAM	25	0	22.16	21.97	22.06			
10	16QAM	25	12	22.25	21.95	21.99			
10	16QAM	25	25	22.16	21.96	22.00	22.5	2	
10	16QAM	50	0	22.26	22.16	22.08			
Channel				19675	20175	20375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1732.5	1752.5			
5	QPSK	1	0	24.00	24.11	23.84	24.5	0	
5	QPSK	1	12	24.16	24.08	24.03			
5	QPSK	1	24	24.00	23.84	23.91			
5	QPSK	12	0	22.99	23.03	22.86	23.5	1	
5	QPSK	12	7	23.01	22.97	22.87			
5	QPSK	12	13	23.05	22.98	22.90			
5	QPSK	25	0	22.97	22.93	23.05	23.5	1	
5	16QAM	1	0	22.30	22.57	22.20			
5	16QAM	1	12	22.57	22.67	22.62			
5	16QAM	1	24	22.55	22.83	22.37	22.5	2	
5	16QAM	12	0	21.87	21.77	21.77			
5	16QAM	12	7	21.90	21.79	21.87			
5	16QAM	12	13	21.83	21.86	22.01	22.5	2	
5	16QAM	25	0	22.01	22.00	22.10			
Channel				19665	20175	20365	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1732.5	1753.5			
3	QPSK	1	0	24.02	23.63	23.64	24.5	0	
3	QPSK	1	8	23.80	23.64	23.67			
3	QPSK	1	14	23.80	23.81	23.76			
3	QPSK	8	0	22.85	22.74	22.68	23.5	1	
3	QPSK	8	4	22.77	22.74	22.61			
3	QPSK	8	7	22.77	22.65	22.60			
3	QPSK	15	0	22.82	22.70	22.85	23.5	1	
3	16QAM	1	0	23.03	23.05	22.69			
3	16QAM	1	8	22.68	23.06	22.71			
3	16QAM	1	14	22.61	22.96	22.90	22.5	2	
3	16QAM	8	0	21.81	21.58	21.69			
3	16QAM	8	4	21.81	21.70	21.63			
3	16QAM	8	7	21.83	21.73	21.71	22.5	2	
3	16QAM	15	0	21.89	21.89	21.68			
Channel				19657	20175	20393	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1732.5	1754.3			
1.4	QPSK	1	0	23.88	23.74	23.70	24.5	0	
1.4	QPSK	1	3	23.81	23.90	23.78			
1.4	QPSK	1	5	23.95	23.80	23.86			
1.4	QPSK	3	0	24.09	23.88	23.85	23.5	1	
1.4	QPSK	3	1	24.08	23.91	23.99			
1.4	QPSK	3	3	24.09	23.94	23.92			
1.4	16QAM	6	0	22.81	22.81	22.81	23.5	1	
1.4	16QAM	1	0	22.49	22.47	22.40			
1.4	16QAM	1	3	22.85	22.63	22.67			
1.4	16QAM	1	5	22.60	22.42	22.81	23.5	1	
1.4	16QAM	3	0	22.72	22.54	22.64			
1.4	16QAM	3	1	22.83	22.38	22.87			
1.4	16QAM	3	3	22.78	22.51	22.78	22.5	2	
1.4	16QAM	6	0	22.08	21.71	21.72			

Band 12 (700MHz Low Band) Part 27F(only on channel required)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23060	23095	23130	24.5	0	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	23.56	23.72	23.85	23.5	1	
10	QPSK	1	25	23.50	23.46	23.61			
10	QPSK	1	49	23.30	23.34	23.45			
10	QPSK	25	0	22.36	22.73	22.55			
10	QPSK	25	12	22.41	22.52	22.68			
10	QPSK	25	25	22.62	22.51	22.72	23.5	1	
10	QPSK	50	0	22.52	22.72	22.71			
10	16QAM	1	0	22.52	22.13	22.36			
10	16QAM	1	25	22.55	22.62	22.63			
10	16QAM	1	49	22.38	22.53	22.47			
10	16QAM	25	0	21.41	21.55	21.61	22.5	2	
10	16QAM	25	12	21.46	21.68	21.55			
10	16QAM	25	25	21.68	21.47	21.61			
10	16QAM	50	0	21.65	21.58	21.66			
Channel				23035	23095	23155	24.5	0	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	23.48	23.64	23.62	23.5	1	
5	QPSK	1	12	23.71	23.45	23.44			
5	QPSK	1	24	23.37	23.50	23.40			
5	QPSK	12	0	22.59	22.58	22.64			
5	QPSK	12	7	22.57	22.56	22.54			
5	QPSK	12	13	22.64	22.62	22.65	23.5	1	
5	QPSK	25	0	22.30	22.59	22.55			
5	16QAM	1	0	22.09	22.12	22.07			
5	16QAM	1	12	22.35	22.38	22.38			
5	16QAM	1	24	22.28	22.18	22.54			
5	16QAM	12	0	21.41	21.52	21.69	22.5	2	
5	16QAM	12	7	21.44	21.38	21.43			
5	16QAM	12	13	21.42	21.51	21.57			
5	16QAM	25	0	21.59	21.57	21.56			
Channel				23025	23059	23165	24.5	0	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	23.56	23.59	23.52	23.5	1	
3	QPSK	1	8	23.31	23.51	23.66			
3	QPSK	1	14	23.56	23.52	23.66			
3	QPSK	8	0	22.53	22.67	22.58			
3	QPSK	8	4	22.60	22.72	22.62			
3	QPSK	8	7	22.58	22.63	22.61	22.5	2	
3	QPSK	15	0	22.46	22.57	22.56			
3	16QAM	1	0	22.48	22.72	22.65			
3	16QAM	1	8	22.52	22.74	22.42			
3	16QAM	1	14	22.72	22.86	22.48			
3	16QAM	8	0	21.32	21.54	21.32	22.5	2	
3	16QAM	8	4	21.39	21.55	21.53			
3	16QAM	8	7	21.55	21.59	21.67			
3	16QAM	15	0	21.41	21.44	21.80			
Channel				23017	23095	23173	24.5	0	
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	23.38	23.59	23.37	23.5	1	
1.4	QPSK	1	3	23.48	23.45	23.70			
1.4	QPSK	1	5	23.24	23.70	23.34			
1.4	QPSK	3	0	23.66	23.70	23.68			
1.4	QPSK	3	1	23.44	23.70	23.52			
1.4	QPSK	3	3	23.68	23.64	23.62	22.5	2	
1.4	QPSK	6	0	22.52	22.60	22.61			
1.4	16QAM	1	0	22.80	22.34	22.67			
1.4	16QAM	1	3	22.78	22.54	22.80			
1.4	16QAM	1	5	22.35	22.37	22.57			
1.4	16QAM	3	0	22.48	22.53	22.43	22.5	2	
1.4	16QAM	3	1	22.42	22.50	22.56			
1.4	16QAM	3	3	22.40	22.31	22.48			
1.4	16QAM	6	0	21.49	21.54	21.61			
1.4	16QAM	6	0	21.49	21.54	21.61			

Band 14 (700MHz Band)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel				23330			24.5	0	
Frequency (MHz)				793					
10	QPSK	1	0		23.69		23.5	1	
10	QPSK	1	25		23.72				
10	QPSK	1	49		23.62				
10	QPSK	25	0		22.91				
10	QPSK	25	12		22.87				
10	QPSK	25	25		22.82		23.5	1	
10	QPSK	50	0		22.73				
10	16QAM	1	0		22.85				
10	16QAM	1	25		22.99				
10	16QAM	1	49		22.86				
10	16QAM	25	0		21.84		22.5	2	
10	16QAM	25	12		21.77				
10	16QAM	25	25		21.80				
10	16QAM	50	0		21.89				
Channel				23305	23330	23355	Turn-up limit (dBm)	MPR (dbi)	
Frequency (MHz)				790.5	793	795.5			
5	QPSK	1	0	23.62	23.71	23.65	23.5	1	
5	QPSK	1	12	23.78	23.77	23.69			
5	QPSK	1	24	23.76	23.68	23.65			
5	QPSK	12	0	22.87	22.85	22.90			
5	QPSK	12	7	22.85	22.96	22.83			
5	QPSK	12	13	22.84	22.98	22.92	23.5	1	
5	QPSK	25	0	22.81	22.97	22.89			
5	16QAM	1	0	22.09	22.12	22.06			
5	16QAM	1	12	22.55	22.46	22.40			
5	16QAM	1	24	22.47	22.19	22.06			
5	16QAM	12	0	21.71	21.82	21.87	22.5	2	
5	16QAM	12	7	21.79	21.94	21.79			
5	16QAM	12	13	21.67	22.04	22.08			
5	16QAM	25	0	21.88	22.06	21.89			
5	16QAM	25	0	21.88	22.06	21.89			

Band 30									
BW [kHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				27710					
Frequency (MHz)				2310					
10	QPSK	1	0		24.04		24.5		0
10	QPSK	1	25		23.95				
10	QPSK	1	49		23.88				
10	QPSK	25	0		23.11		23.5		1
10	QPSK	25	12		23.06				
10	QPSK	25	25		23.10				
10	QPSK	50	0		23.08		23.5		1
10	16QAM	1	0		23.21				
10	16QAM	1	25		22.76				
10	16QAM	1	49		22.97		22.5		2
10	16QAM	25	0		22.08				
10	16QAM	25	12		22.11				
10	16QAM	25	25		22.14				
10	16QAM	50	0		22.11				
Channel				27685	27710	27735	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	0	23.94	23.80	23.92	23.5		0
5	QPSK	1	12	23.95	23.88	23.85			
5	QPSK	1	24	23.87	23.92	23.72			
5	QPSK	12	0	23.02	23.11	22.98			
5	QPSK	12	7	23.00	23.03	22.98			
5	QPSK	12	13	23.06	23.05	23.05	23.5		1
5	QPSK	25	0	22.96	23.09	23.05			
5	16QAM	1	0	22.40	22.59	22.78			
5	16QAM	1	12	22.73	22.69	22.72			
5	16QAM	1	24	22.35	22.34	22.78			
5	16QAM	12	0	21.87	21.93	21.97	22.5		2
5	16QAM	12	7	21.81	21.75	21.87			
5	16QAM	12	13	21.90	21.97	21.95			
5	16QAM	25	0	21.91	22.12	22.00			

Reduced Power Mode for Hotspot On

Band 30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				27710	27710	27710	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				27710	27710	27710		
10	QPSK	1	0		22.41		23.5	0
10	QPSK	1	25		22.31			
10	QPSK	1	49		22.11			
10	QPSK	25	0		21.66		22.5	1
10	QPSK	25	12		21.59			
10	QPSK	25	25		21.41			
10	QPSK	50	0		21.54		22.5	1
10	16QAM	1	0		21.26			
10	16QAM	1	25		21.30			
10	16QAM	1	49		20.93		21.5	2
10	16QAM	25	0		20.39			
10	16QAM	25	12		20.74			
10	16QAM	25	25		20.34		20.38	
10	16QAM	50	0		20.38			
Channel				27685	27710	27735	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	0	22.31	22.24	22.16	23.5	0
5	QPSK	1	12	22.36	22.30	22.19		
5	QPSK	1	24	22.03	22.10	22.07		
5	QPSK	12	0	21.45	21.53	21.49	22.5	1
5	QPSK	12	7	21.47	21.45	21.50		
5	QPSK	12	13	21.47	21.41	21.33		
5	QPSK	25	0	21.43	21.52	21.40	22.5	1
5	16QAM	1	0	21.42	21.49	21.12		
5	16QAM	1	12	21.52	21.51	21.61		
5	16QAM	1	24	21.35	21.35	21.12	21.5	2
5	16QAM	12	0	20.39	20.23	20.43		
5	16QAM	12	7	20.61	20.28	20.35		
5	16QAM	12	13	20.52	20.20	20.18	20.37	
5	16QAM	25	0	20.37	20.57	20.38		

2.4GHz WLAN	Ant 1					
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	18.25	19.00	97.68
		6	2437	18.06	19.00	
		11	2462	17.62	19.00	
	802.11g 6Mbps	1	2412	13.03	14.00	87.04
		6	2437	17.05	18.00	
		11	2462	13.82	14.00	
	802.11n-HT20 MCS0	1	2412	12.03	14.00	86.76
		6	2437	16.15	17.00	
		11	2462	13.55	14.00	

BR / EDR

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	11.45	10.23	10.16
	CH 39	2441	11.53	10.59	10.64
	CH 78	2480	9.94	8.80	8.62
Tune-up Limit			12	11	11

LE

Mode	Channel	Frequency (MHz)	Average power (dBm)
			GFSK
LE	CH 00	2402	0.25
	CH 19	2440	0.64
	CH 39	2480	-1.00
Tune-up Limit			2