

DASY/EASY - Parameters of Probe: ES3DV3 - SN:3279

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	-6.7
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	10 mm
Tip Diameter	4 mm
Probe Tip to Sensor X Calibration Point	2 mm
Probe Tip to Sensor Y Calibration Point	2 mm
Probe Tip to Sensor Z Calibration Point	2 mm
Recommended Measurement Distance from Surface	3 mm

DASY/EASY - Parameters of Probe: ES3DV3 - SN:3279

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) ^C	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)
750	41.9	0.89	6.58	6.58	6.58	0.80	1.19	± 12.0 %
835	41.5	0.90	6.38	6.38	6.38	0.80	1.21	± 12.0 %
1750	40.1	1.37	5.59	5.59	5.59	0.64	1.37	± 12.0 %
1900	40.0	1.40	5.35	5.35	5.35	0.57	1.45	± 12.0 %
2000	40.0	1.40	5.25	5.25	5.25	0.80	1.22	± 12.0 %
2300	39.5	1.67	5.02	5.02	5.02	0.78	1.30	± 12.0 %
2450	39.2	1.80	4.77	4.77	4.77	0.67	1.44	± 12.0 %
2600	39.0	1.96	4.58	4.58	4.58	0.73	1.39	± 12.0 %

^C Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ± 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 6 MHz is 4-9 MHz, and ConvF assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity can be extended to ± 110 MHz.

^F At frequencies below 3 GHz, the validity of tissue parameters (ϵ and σ) can be relaxed to ± 10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters (ϵ and σ) is restricted to ± 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

^G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ± 1% for frequencies below 3 GHz and below ± 2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.

DASY/EASY - Parameters of Probe: ES3DV3 - SN:3279

Calibration Parameter Determined in Body Tissue Simulating Media

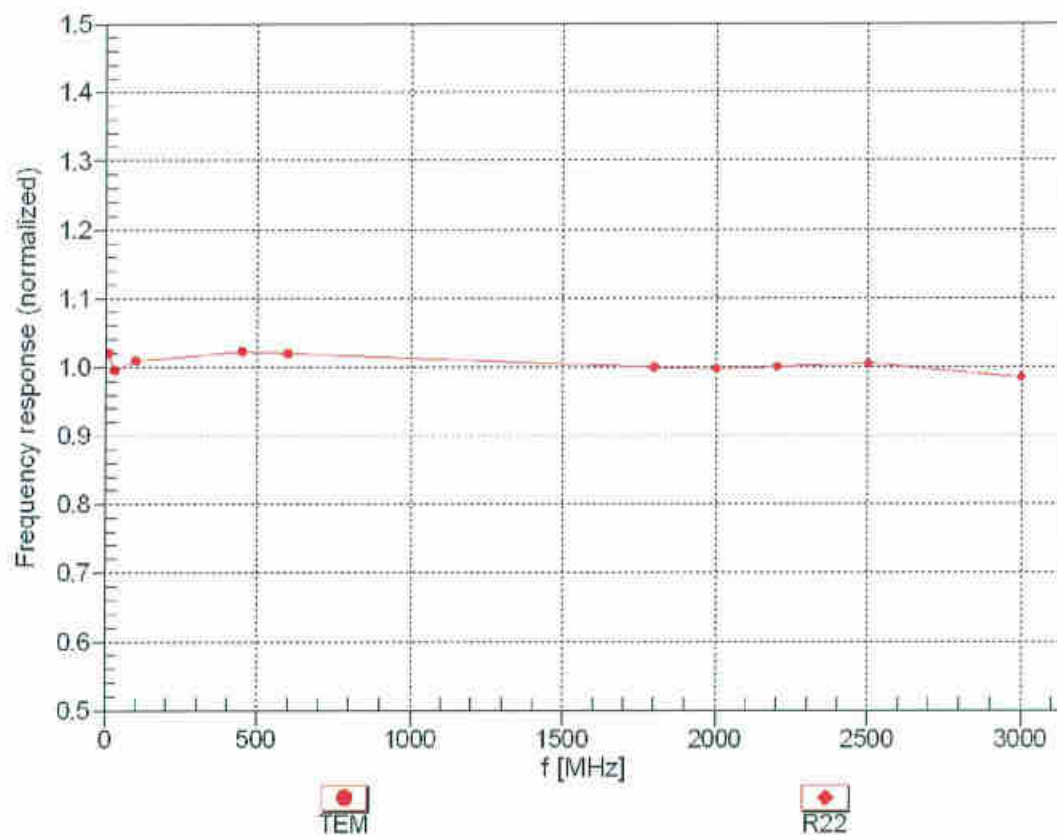
f (MHz) ^C	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)
750	55.5	0.96	6.40	6.40	6.40	0.68	1.25	± 12.0 %
835	55.2	0.97	6.23	6.23	6.23	0.70	1.22	± 12.0 %
1750	53.4	1.49	5.08	5.08	5.08	0.61	1.42	± 12.0 %
1900	53.3	1.52	4.85	4.85	4.85	0.41	1.84	± 12.0 %
2300	52.9	1.81	4.66	4.66	4.66	0.80	1.24	± 12.0 %
2450	52.7	1.95	4.50	4.50	4.50	0.80	1.25	± 12.0 %
2600	52.5	2.16	4.34	4.34	4.34	0.80	1.25	± 12.0 %

^C Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ± 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 6 MHz is 4-9 MHz, and ConvF assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity can be extended to ± 110 MHz.

^F At frequencies below 3 GHz, the validity of tissue parameters (ϵ and σ) can be relaxed to ± 10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters (ϵ and σ) is restricted to ± 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

^G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ± 1% for frequencies below 3 GHz and below ± 2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.

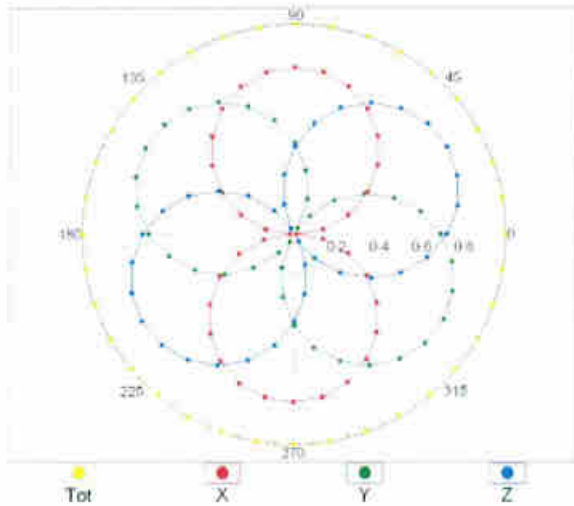
Frequency Response of E-Field (TEM-Cell:ifi110 EXX, Waveguide: R22)



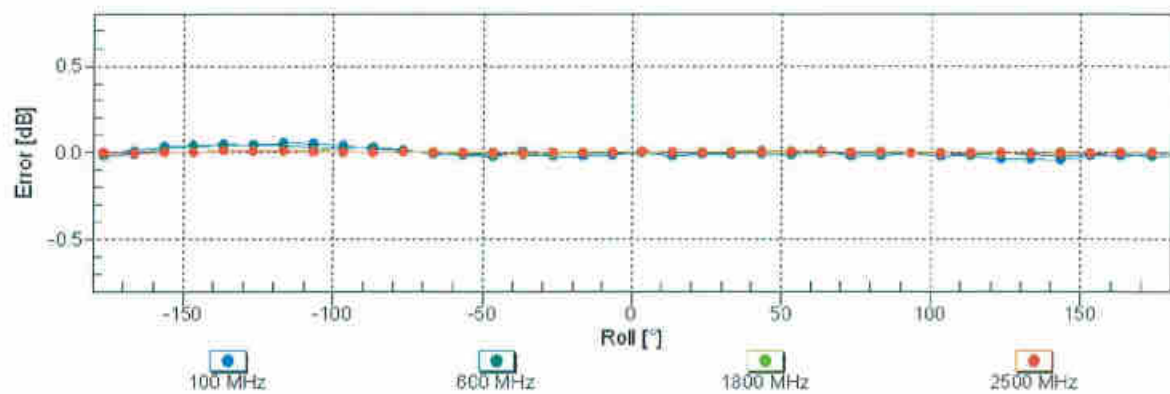
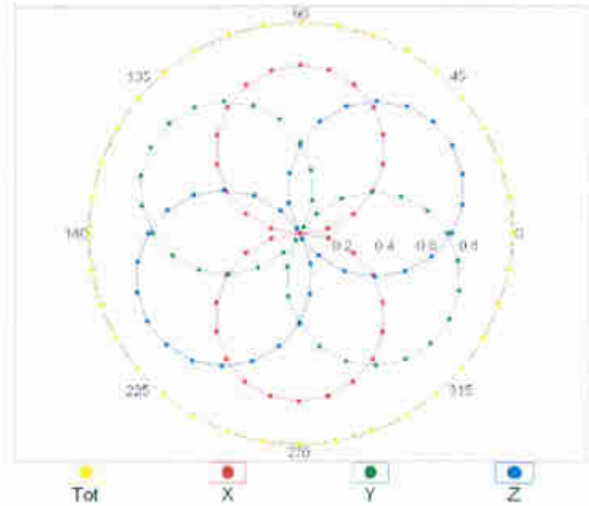
Uncertainty of Frequency Response of E-field: $\pm 6.3\%$ ($k=2$)

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

f=600 MHz,TEM

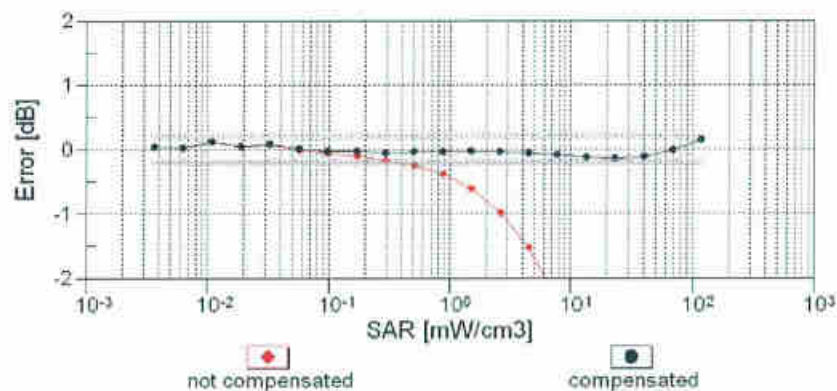
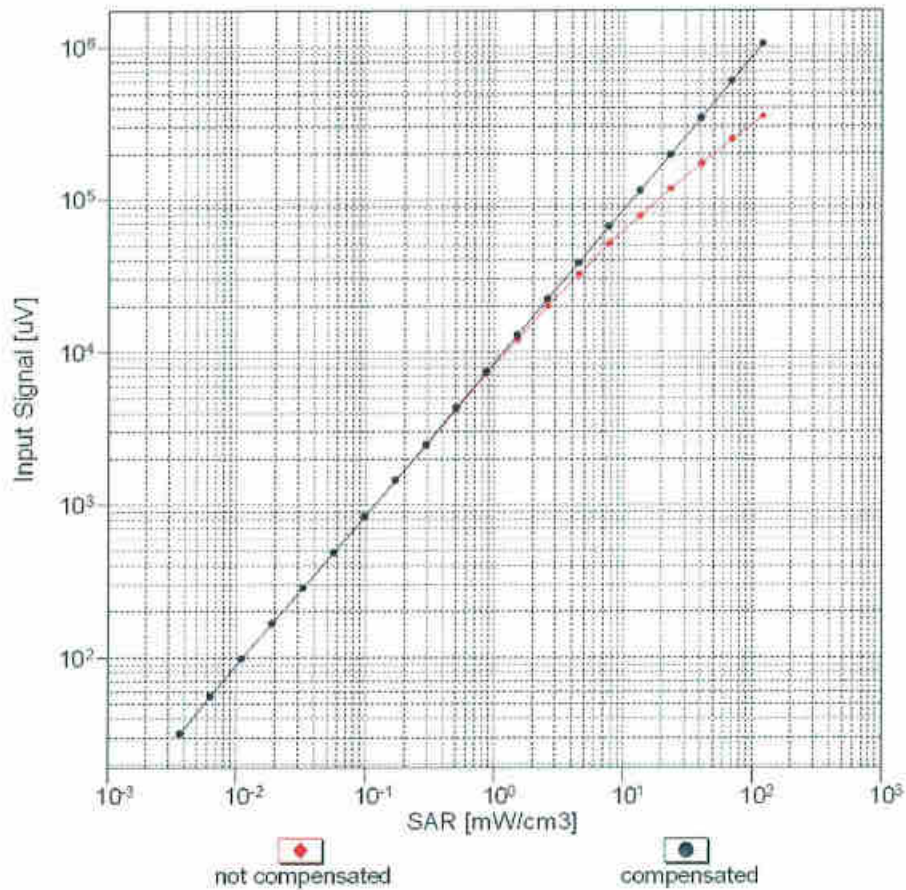


f=1800 MHz,R22



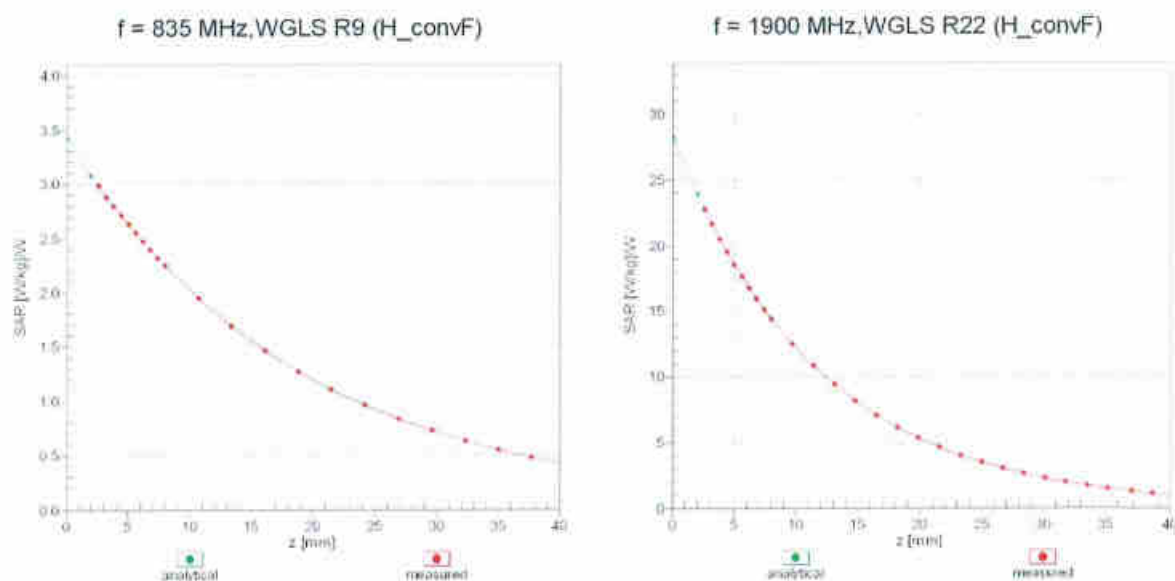
Uncertainty of Axial Isotropy Assessment: $\pm 0.5\%$ ($k=2$)

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



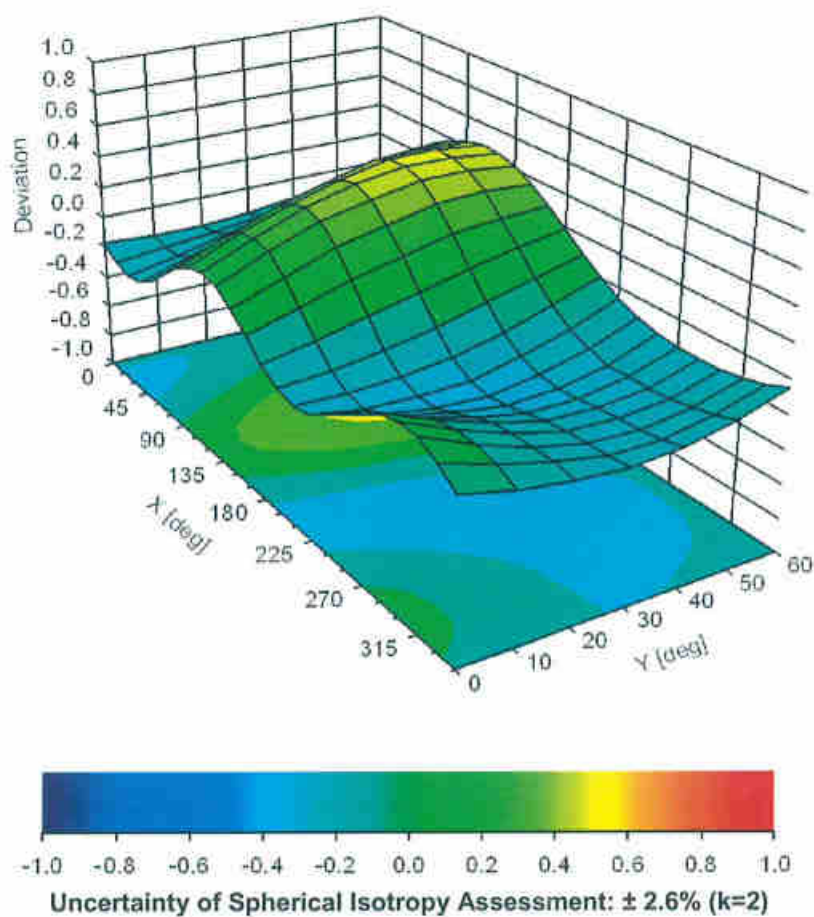
Uncertainty of Linearity Assessment: $\pm 0.6\%$ ($k=2$)

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.

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	32.48	32.48	32.43	33.50	23.48	23.48	23.43	24.50
GPRS 1 Tx slot	32.47	32.47	32.41	33.50	23.47	23.47	23.41	24.50
GPRS 2 Tx slots	30.52	30.47	30.39	31.00	24.52	24.47	24.39	25.00
GPRS 3 Tx slots	29.42	29.39	29.30	30.00	25.16	25.13	25.04	25.74
GPRS 4 Tx slots	28.48	28.42	28.34	29.00	25.48	25.42	25.34	26.00
EDGE 1 Tx slot	26.15	26.13	26.11	27.00	17.15	17.13	17.11	18.00
EDGE 2 Tx slots	24.65	24.57	24.60	25.00	18.65	18.57	18.60	19.00
EDGE 3 Tx slots	23.50	23.49	23.41	24.00	19.24	19.23	19.15	19.74
EDGE 4 Tx slots	22.35	22.32	22.30	23.00	19.35	19.32	19.30	20.00

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)	1850.20	1880.00	1909.80		1850.20	1880.00	1909.80	
GSM 1 Tx slot	29.28	29.43	29.69	30.50	20.28	20.43	20.69	21.50
GPRS 1 Tx slot	29.27	29.42	29.68	30.50	20.27	20.42	20.68	21.50
GPRS 2 Tx slots	26.88	27.00	27.29	28.00	20.88	21.00	21.29	22.00
GPRS 3 Tx slots	25.78	25.94	26.23	27.00	21.52	21.68	21.97	22.74
GPRS 4 Tx slots	24.81	24.97	25.30	26.00	21.81	21.97	22.30	23.00
EDGE 1 Tx slot	25.86	25.65	25.77	26.50	16.86	16.65	16.77	17.50
EDGE 2 Tx slots	24.00	23.81	23.98	24.00	18.00	17.81	17.98	18.00
EDGE 3 Tx slots	22.60	22.43	22.56	23.00	18.34	18.17	18.30	18.74
EDGE 4 Tx slots	21.17	21.13	21.20	22.00	18.17	18.13	18.20	19.00

Band		WCDMA II			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		9662.00	9800.00	9938.00		1537.00	1638.00	1738.00		4357.00	4407.00	4458.00	
Frequency (MHz)		1852.40	1880.00	1907.60		1712.40	1732.60	1752.60		826.40	836.40	846.60	
3GPP Rel 99	AMR 12.2Kbps	22.61	22.63	22.67	24.00	22.50	22.52	22.53	24.00	24.31	24.32	24.34	25.00
3GPP Rel 99	RMC 12.2Kbps	22.62	22.65	22.70	24.00	22.51	22.53	22.54	24.00	24.32	24.33	24.36	25.00
3GPP Rel 6	HSDPA Subtest-1	22.46	22.48	22.47	24.00	22.49	22.51	22.54	24.00	24.19	24.21	24.23	25.00
3GPP Rel 6	HSDPA Subtest-2	22.41	22.43	22.43	24.00	22.42	22.53	22.42	24.00	24.13	24.16	24.15	25.00
3GPP Rel 6	HSDPA Subtest-3	21.87	21.93	21.92	23.50	21.86	22.05	21.93	23.50	23.69	23.65	23.70	24.50
3GPP Rel 6	HSDPA Subtest-4	21.86	21.92	21.88	23.50	21.85	22.04	21.86	23.50	23.60	23.62	23.62	24.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.49	22.51	22.50	24.00	22.47	22.52	22.51	24.00	24.22	24.24	24.26	25.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.38	22.48	22.41	24.00	22.41	22.53	22.40	24.00	24.10	24.21	24.13	25.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.84	21.98	21.90	23.50	21.84	22.04	21.95	23.50	23.66	23.70	23.68	24.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.83	21.97	21.86	23.50	21.84	22.02	21.87	23.50	23.57	23.67	23.60	24.50
3GPP Rel 6	HSUPA Subtest-1	20.76	20.76	20.82	22.00	21.02	21.03	21.08	22.00	22.15	22.18	22.20	23.00
3GPP Rel 6	HSUPA Subtest-2	20.42	20.47	20.50	22.00	20.44	20.41	20.44	22.00	21.81	21.86	21.86	23.00
3GPP Rel 6	HSUPA Subtest-3	21.45	21.50	21.52	23.00	21.43	21.45	21.48	23.00	22.61	22.66	22.72	24.00
3GPP Rel 6	HSUPA Subtest-4	20.04	20.04	20.10	21.50	20.06	20.04	20.12	21.50	21.24	21.29	21.35	22.50
3GPP Rel 6	HSUPA Subtest-5	22.43	22.40	22.40	23.00	22.34	22.40	22.30	23.00	23.31	23.41	23.51	24.00

Tab 100										
BW (Hz)	Modulation	RB Size	RB Offset	Power Low Ch. 1	Power Middle Ch. 1	Power High Ch. 1	Turn-on time (dBm)	APRS (dB)		
Channel										
Frequency (MHz)										
30	QPSK	1	0	22.49	22.49	22.24				
30	QPSK	1	49	22.12	22.20	22.25	24	0		
30	QPSK	1	99	22.35	22.31	22.36				
30	QPSK	50	0	21.92	21.73	21.48				
30	QPSK	100	0	21.32	21.49	21.71				
30	QPSK	50	50	21.60	21.57	21.50	23	1		
30	QPSK	100	0	21.38	21.65	21.61				
30	16QAM	1	49	22.05	22.12	22.07	23	1		
30	16QAM	1	99	21.73	21.79	21.79				
30	16QAM	50	0	20.63	20.65	20.70				
30	16QAM	50	24	20.68	20.73	20.77				
30	16QAM	100	0	20.61	20.72	20.68	22	2		
30	16QAM	1	49	21.52	21.56	21.52				
30	16QAM	1	99	21.66	21.65	21.65	22	2		
30	16QAM	50	50	20.62	20.63	20.70				
30	16QAM	50	24	20.71	20.73	20.77	21	3		
30	16QAM	100	0	20.64	20.75	20.74				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.14	22.12	22.06				
15	QPSK	1	37	22.32	22.33	22.36	24	0		
15	QPSK	1	74	22.07	22.07	22.05				
15	QPSK	36	0	21.70	21.74	21.70				
15	QPSK	36	36	21.73	21.71	21.70	23	1		
15	QPSK	36	72	21.70	21.68	21.65				
15	QPSK	72	0	21.70	21.71	21.71				
15	16QAM	1	49	22.00	22.01	21.99				
15	16QAM	1	37	22.25	22.21	22.13	23	1		
15	16QAM	36	0	20.77	20.81	20.85				
15	16QAM	36	20	20.79	20.79	20.79	22	2		
15	16QAM	36	24	20.74	20.73	20.73				
15	16QAM	72	0	20.79	20.77	20.70				
15	16QAM	1	37	21.59	21.60	22.05	22	2		
15	16QAM	1	74	21.80	21.79	21.80				
15	16QAM	36	36	20.78	20.76	20.83				
15	16QAM	36	20	20.78	20.77	20.77	21	3		
15	16QAM	72	0	20.74	20.75	20.75				
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.29	22.29	22.24				
10	QPSK	1	25	22.37	22.24	22.32	24	0		
10	QPSK	1	49	22.32	22.32	22.21				
10	QPSK	25	0	21.82	21.85	21.80				
10	QPSK	25	25	21.82	21.82	21.73	23	1		
10	QPSK	25	25	21.84	21.77	21.71				
10	QPSK	50	0	21.86	21.83	21.83				
10	16QAM	1	49	22.15	22.14	22.00				
10	16QAM	1	25	22.27	22.23	22.13	23	1		
10	16QAM	25	0	20.54	20.54	20.55				
10	16QAM	25	12	20.50	20.48	20.50	22	2		
10	16QAM	25	25	20.50	20.48	20.51				
10	16QAM	50	0	20.53	20.50	20.51				
10	16QAM	1	25	21.78	21.82	21.82	22	2		
10	16QAM	1	25	21.84	21.85	21.81				
10	16QAM	1	49	21.95	22.00	21.87				
10	16QAM	25	25	20.51	20.48	20.50	21	3		
10	16QAM	25	12	20.49	20.50	20.50				
10	16QAM	50	0	20.52	20.51	20.50				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.30	22.17	22.15				
5	QPSK	1	12	22.45	22.38	22.38	24	0		
5	QPSK	1	24	22.14	22.03	22.08				
5	QPSK	12	0	21.79	21.79	21.74				
5	QPSK	12	7	21.83	21.81	21.76	23	1		
5	QPSK	12	14	21.83	21.76	21.76				
5	QPSK	25	0	21.80	21.74	21.70				
5	16QAM	1	12	22.30	22.30	22.26	23	1		
5	16QAM	1	24	22.30	22.33	21.86				
5	16QAM	12	7	20.54	20.50	20.51	22	2		
5	16QAM	12	14	20.51	20.57	20.48				
5	16QAM	25	0	20.49	20.48	20.46				
5	16QAM	1	0	21.87	21.87	21.86				
5	16QAM	1	24	21.73	21.67	21.71	22	2		
5	16QAM	1	36	21.31	21.80	21.83				
5	16QAM	12	7	20.49	20.47	20.46	21	3		
5	16QAM	12	14	20.48	20.54	20.45				
5	16QAM	25	0	20.49	20.48	20.45				
Channel										
Frequency (MHz)										
16	QPSK	1	0	22.20	22.20	22.19				
16	QPSK	1	8	22.29	22.26	22.21	24	0		
16	QPSK	1	16	22.26	22.25	22.19				
16	QPSK	8	0	21.80	21.77	21.76				
16	QPSK	8	4	21.83	21.79	21.76	23	1		
16	QPSK	8	8	21.78	21.76	21.75				
16	QPSK	16	0	21.77	21.76	21.70				
16	16QAM	1	12	22.34	22.32	22.28				
16	16QAM	1	24	22.35	22.31	21.86				
16	16QAM	12	7	20.54	20.57	20.54	22	2		
16	16QAM	12	16	20.53	20.59	20.48				
16	16QAM	1	0	21.48	21.45	21.41				
16	16QAM	1	8	21.68	21.71	21.72	22	2		
16	16QAM	1	36	21.40	21.44	21.42				
16	16QAM	12	7	20.49	20.49	20.46	21	3		
16	16QAM	12	16	20.48	20.51	20.52				
16	16QAM	25	0	20.47	20.45	20.48				
Channel										
Frequency (MHz)										
3	QPSK	1	0	22.23	22.23	22.19				
3	QPSK	1	8	22.29	22.26	22.21	24	0		
3	QPSK	1	16	22.26	22.25	22.19				
3	QPSK	8	0	21.80	21.77	21.76				
3	QPSK	8	4	21.83	21.79	21.76	23	1		
3	QPSK	8	8	21.78	21.76	21.75				
3	QPSK	16	0	21.77	21.76	21.70				
3	16QAM	1	12	22.34	22.32	22.28				
3	16QAM	1	14	22.35	22.31	21.86				
3	16QAM	12	7	20.54	20.57	20.54	22	2		
3	16QAM	12	16	20.53	20.59	20.48				
3	16QAM	1	0	21.48	21.45	21.41				
3	16QAM	1	8	21.68	21.71	21.72	22	2		
3	16QAM	1	36	21.40	21.44	21.42				
3	16QAM	12	7	20.49	20.49	20.46	21	3		
3	16QAM	12	16	20.48	20.51	20.52				
3	16QAM	25	0	20.47	20.45	20.48				
Channel										
Frequency (MHz)										
14	QPSK	1	0	22.23	22.19	22.19				
14	QPSK	1	3	22.40	22.33	22.27	24	0		
14	QPSK	1	6	22.24	22.24	22.19				
14	QPSK	3	0	22.23	22.24	22.26				
14	QPSK	3	1	22.29	22.26	22.26				
14	QPSK	6	0	21.84	21.76	21.70	23	1		
14	16QAM	1	6	22.24	22.12	22.06				
14	16QAM	1	14	22.35	22.32	21.86				
14	16QAM	1	18	22.30	22.30	22.26	22	2		
14	16QAM	12	7	20.49	20.47	20.46	21	3		
14	16QAM	12	18	20.48	20.51	20.52				
14	16QAM	25	0	20.47	20.45	20.48				
Channel										
Frequency (MHz)										
14	QPSK	1	0	22.13	22.13	22.09				
14	QPSK	1	3	22.30	22.22	22.22	24	0		
14	QPSK	1	6	22.26	22.26	22.20				
14	QPSK	3	0	22.26	22.28	22.29				
14	QPSK	3	1	22.28	22.23	22.23				
14	QPSK	6	0	21.77	21.71	21.65	23	1		
14	16QAM	1	6	22.27	22.31	21.80	23	1		
14	16QAM	1	12	22.33	22.27	21.82				
14	16QAM	1	18	22.34	22.31	21.86				
14	16QAM	3	0	21.92	21.94	21.88				
14	16QAM	3	1	21.95	21.94	21.88				
14	16QAM	6	0	21.89	21.87	21.85	22	2		
14	16QAM	1	0	21.67	21.67	21.62				
14	16QAM	1	12	21.69	21.70	21.70	22	2		
14	16QAM	1	36	21.38	21.91	21.84				
14	16QAM	12	7	20.49	20.47	20.46	21	3		
14	16QAM	12	18	20.48	20.51	20.52				
14	16QAM	25	0	20.47	20.45	20.48				

Table V

SW (MHz)	Mode	RB Size	RB Offset	Power Low (dBm)	Power Middle (dBm)	Power High (dBm)	Tune-up (MHz)	MPR (dB)
Channel								
Frequency (MHz)								
21500 21500 21500								
10	QPSK	1	0	22.87	22.71	22.85		
20	QPSK	1	40	22.59	22.49	22.56	23.5	0
30	QPSK	1	80	22.41	22.32	22.38		
40	QPSK	50	0	21.47	21.40	21.48		
50	QPSK	50	24	21.50	21.48	21.51		
60	QPSK	50	56	21.55	21.58	21.49	22.5	1
70	QPSK	100	0	21.44	21.47	21.46		
80	QPSK	1	0	21.50	21.54	21.58		
90	QPSK	1	40	21.30	21.30	21.33	22.5	1
100	QPSK	1	80	21.67	21.60	21.68		
110	QPSK	50	0	20.46	20.46	20.45		
120	QPSK	50	24	20.51	20.50	20.52	21.5	2
130	QPSK	50	50	20.56	20.47	20.49		
140	QPSK	100	0	20.46	20.46	20.47		
150	QPSK	1	0	21.36	21.36	21.36		
160	QPSK	1	40	21.34	21.44	21.44	21.5	2
170	QPSK	1	80	21.42	21.24	21.44		
180	QPSK	50	0	20.43	20.46	20.45		
190	QPSK	50	24	20.32	20.47	20.50	20.5	3
200	QPSK	50	50	20.34	20.44	20.46		
210	QPSK	100	0	20.48	20.46	20.48		
Channel								
Frequency (MHz)								
20500 21500 21500								
15	QPSK	1	0	22.42	22.32	22.33		
15	QPSK	1	37	22.70	22.57	22.56	23.5	0
15	QPSK	1	74	22.43	22.38	22.44		
15	QPSK	36	0	21.05	21.43	21.50		
15	QPSK	36	36	21.57	21.48	21.51		
15	QPSK	36	56	21.61	21.46	21.55	22.5	1
15	QPSK	75	0	21.59	21.47	21.51		
15	QPSK	1	0	21.70	21.65	21.64		
15	QPSK	1	37	21.86	21.83	21.86	22.5	1
15	QPSK	1	74	21.82	21.82	21.82		
15	QPSK	36	0	20.52	20.43	20.47		
15	QPSK	36	20	20.53	20.45	20.49	21.5	2
15	QPSK	36	39	20.58	20.45	20.52		
15	QPSK	75	0	20.54	20.48	20.49		
15	QPSK	1	0	21.56	21.56	21.56		
15	QPSK	1	37	21.40	21.48	21.54	21.5	2
15	QPSK	1	74	21.47	21.33	21.39		
15	QPSK	36	0	20.32	20.22	20.25		
15	QPSK	36	20	20.35	20.23	20.28	20.5	3
15	QPSK	36	39	20.36	20.24	20.29		
15	QPSK	75	0	20.34	20.24	20.29		
Channel								
Frequency (MHz)								
21600 21500 21600								
10	QPSK	1	0	22.46	22.34	22.41		
10	QPSK	1	25	22.54	22.49	22.52	23.5	0
10	QPSK	1	40	22.49	22.41	22.48		
10	QPSK	25	0	21.52	21.47	21.54		
10	QPSK	25	12	21.54	21.46	21.53		
10	QPSK	25	25	21.56	21.48	21.54	22.5	1
10	QPSK	50	0	21.55	21.47	21.54		
10	QPSK	1	0	21.70	21.65	21.72		
10	QPSK	1	25	21.81	21.75	21.82	22.5	1
10	QPSK	1	40	21.76	21.67	21.75		
10	QPSK	25	0	20.53	20.47	20.54		
10	QPSK	25	12	20.55	20.47	20.51	21.5	2
10	QPSK	25	25	20.56	20.46	20.52		
10	QPSK	50	0	20.55	20.47	20.51		
10	QPSK	1	0	21.53	21.50	21.52		
10	QPSK	1	25	21.45	21.34	21.46	21.5	2
10	QPSK	1	40	21.40	21.29	21.40		
10	QPSK	25	0	20.27	20.24	20.27		
10	QPSK	25	12	20.28	20.22	20.25	20.5	3
10	QPSK	25	25	20.32	20.22	20.28		
10	QPSK	50	0	20.29	20.22	20.29		
Channel								
Frequency (MHz)								
20700 21500 21400								
5	QPSK	1	0	22.38	22.30	22.35		
5	QPSK	1	12	22.85	22.57	22.58	23.5	0
5	QPSK	1	24	22.37	22.28	22.38		
5	QPSK	12	0	21.48	21.42	21.50		
5	QPSK	12	7	21.57	21.47	21.50	22.5	1
5	QPSK	12	15	21.56	21.46	21.53		
5	QPSK	25	0	21.52	21.43	21.52		
5	QPSK	1	0	22.00	21.81	21.80		
5	QPSK	1	12	21.95	21.88	21.81	22.5	1
5	QPSK	1	24	21.87	21.86	21.80		
5	QPSK	12	0	20.46	20.39	20.49		
5	QPSK	12	7	20.53	20.46	20.57	21.5	2
5	QPSK	12	15	20.53	20.44	20.53		
5	QPSK	25	0	20.50	20.44	20.49		
5	QPSK	1	0	21.29	21.22	21.31		
5	QPSK	1	12	21.22	21.21	21.33	21.5	2
5	QPSK	1	24	21.28	21.25	21.30		
5	QPSK	12	0	20.21	20.13	20.24		
5	QPSK	12	7	20.30	20.21	20.31	20.5	3
5	QPSK	12	15	20.27	20.20	20.27		
5	QPSK	25	0	20.27	20.18	20.26		

Table V

SW (MHz)	Mode	RB Size	RB Offset	Power Low (dBm)	Power Middle (dBm)	Power High (dBm)	Tune-up (MHz)	MPR (dB)
Channel								
Frequency (MHz)								
20600 20500 20500								
10	QPSK	1	0	23.71	23.69	23.72		
10	QPSK	1	25	23.33	23.69	23.63	25	0
10	QPSK	1	40	23.81	23.80	23.78		
10	QPSK	25	12	22.87	22.87	22.86		
10	QPSK	25	25	22.83	22.85	22.78	24	1
10	QPSK	50	0	22.83	22.83	22.79		
10	QPSK	1	0	23.01	22.98	22.96		
10	QPSK	1	25	23.17	23.11	23.14	24	1
10	QPSK	1	40	23.13	23.11	23.12		
10	QPSK	25	0	21.96	21.84	21.83		
10	QPSK	25	12	21.92	21.91	21.81	23	2
10	QPSK	25	25	21.98	21.91	21.83		
10	QPSK	50	0	21.86	21.89	21.85		
10	QPSK	1	0	22.87	22.86	22.86		
10	QPSK	1	25	22.78	22.77	22.77	23	2
10	QPSK	1	40	22.72	22.74	22.79		
10	QPSK	25	0	21.96	21.83	21.83		
10	QPSK	25	12	21.85	21.89	21.86	22	3
10	QPSK	25	25	21.87	21.87	21.80		
10	QPSK	50	0	21.95	21.88	21.83		
Channel								
Frequency (MHz)								
20500 20500 20500								
5	QPSK	1	0	23.62	23.67	23.62		
5	QPSK	1	12	23.69	23.64	23.63	25	0
5	QPSK	1	24	23.69	23.69	23.67		
5	QPSK	12	7	22.79	22.80	22.88		
5	QPSK	12	15	22.81	22.80	22.81		
5	QPSK	12	23	22.78	22.85	22.82	24	1
5	QPSK	25	0	22.79	22.81	22.85		
5	QPSK	1	0	22.85	22.85	22.87		
5	QPSK	1	12	23.17	23.12	23.18	24	1
5	QPSK	1	24	22.77	22.77	22.77		
5	QPSK	12	0	21.85	21.83	21.89		
5	QPSK	12	7	21.89	21.86	21.89	23	2
5	QPSK	12	15	21.81	21.80	21.85		
5	QPSK	25	0	21.85	21.85	21.82		
5	QPSK	1	0	22.86	22.86	22.86		
5	QPSK	1	12	22.81	22.80	22.81	23	2
5	QPSK	1	24	22.87	22.89	22.88		
5	QPSK	12	0	21.81	21.81	21.80		
5	QPSK	12	7	21.85	21.85	21.85	22	3
5	QPSK	12	15	21.81	21.86	21.83		
5	QPSK	25	0	21.83	21.86	21.80		
Channel								
Frequency (MHz)								
20400 20500 20400								
3	QPSK	1	0	23.72	23.75	23.74		
3	QPSK	1	8	23.79	23.71	23.71	25	0
3	QPSK	1	14	23.79	23.73	23.80		
3	QPSK	8	0	22.75	22.77	22.77		
3	QPSK	8	4	22.83	22.80	22.84		
3	QPSK	8	7	22.79	22.79	22.88	24	1
3	QPSK	15	0	22.77	22.78	22.83		
3	QPSK	1	0	23.02	23.05	23.07		
3	QPSK	1	8	23.05	22.99	22.99	24	1
3	QPSK	1	14	22.97	22.94	22.91		
3	QPSK	8	0	21.85	21.85	21.87		
3	QPSK	8	4	21.84	21.90	21.95	23	2
3	QPSK	8	7	21.82	21.80	21.97		
3	QPSK	15	0	21.84	21.86	21.88		
3	QPSK	1	0	22.88	22.82	22.81		
3	QPSK	1	8	22.94	22.97	22.98	23	2
3	QPSK	1	14	22.97	22.95	22.90		
3	QPSK	8	0	21.82	21.82	21.84	22	2
3	QPSK	8	4	21.84	21.87	21.98		
3	QPSK	8	7	21.82	21.82	21.98	22	3
3	QPSK	15	0	21.83	21.82	21.82		
Channel								
Frequency (MHz)								
20300 20400 20300								
1	QPSK	1	0	23.69	23.68	23.69		
1	QPSK	1	5	23.63	23.79	23.82	25	0
1	QPSK	1	10	23.62	23.76	23.86		
1	QPSK	3	0	23.80	23.90	23.85		
1	QPSK	3	5	23.86	23.86	23.86		
1	QPSK	3	10	23.84	23.82	23.78	24	1
1	QPSK	6	0	22.81	22.81	22.82		
1	QPSK	6	5	22.84	22.81	22.86	24	1
1	QPSK	6	10	22.82	22.81	22.81		
1	QPSK	1	0	23.11	23.09	23.13		
1	QPSK	1	5	23.05	23.07	23.11	24	1
1	QPSK	1	10	23.07	23.06	23.06		
1	QPSK	3	0	22.87	22.91	22.97		
1	QPSK	3	5	22.87	22.91	22.97	23	2
1	QPSK	3	10	22.87	22.91	22.97		
1	QPSK	6	0	22.87	22.89	22.92		
1	QPSK	6	5	22.86	22.83	22.80	22	3
1	QPSK	6	10	22.86	22.83	22.80		

Table 43

SW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.	Power Mid Ch.	Power High Ch.	Tune-up Ref. (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
16	QPSK	1	0	23.65	23.56	23.40		
16	QPSK	1	20	23.79	23.76	23.60	25	0
16	QPSK	1	40	23.71	23.69	23.76		
16	QPSK	25	0	23.70	22.88	22.88		
16	QPSK	25	12	22.76	22.74	22.77		
16	QPSK	25	24	22.76	22.76	22.69	24	1
16	QPSK	50	0	22.72	22.68	22.70		
16	HQAM	1	0	22.92	22.85	22.90		
16	HQAM	1	20	23.08	23.07	23.11	24	1
16	HQAM	1	40	22.97	22.92	23.01		
16	HQAM	25	0	21.76	21.72	21.73		
16	HQAM	25	12	21.76	21.79	21.82	23	2
16	HQAM	25	24	21.74	21.72	21.76		
16	HQAM	50	0	21.72	21.72	21.74		
16	HQAM	1	25	22.94	22.97	22.98	23	2
16	HQAM	1	40	22.84	22.85	22.90		
16	HQAM	25	0	21.70	21.71	21.72		
16	HQAM	25	12	21.77	21.76	21.82	22	3
16	HQAM	25	24	21.72	21.72	21.71		
16	HQAM	50	0	21.70	21.72	21.71		
Channel								
Frequency (MHz)								
5	QPSK	1	0	23.60	23.53	23.51		
5	QPSK	1	12	23.60	23.60	23.67	25	0
5	QPSK	1	24	23.50	23.50	23.72		
5	QPSK	12	0	22.73	22.69	22.80		
5	QPSK	12	7	22.63	22.62	22.82	24	1
5	QPSK	12	13	22.84	22.78	22.82		
5	QPSK	25	0	22.80	22.74	22.80		
5	HQAM	1	0	22.85	22.80	22.76		
5	HQAM	1	12	23.16	23.11	23.14	24	1
5	HQAM	1	24	22.85	22.84	22.80		
5	HQAM	12	7	21.82	21.86	21.87	23	2
5	HQAM	12	13	21.86	21.81	21.82		
5	HQAM	25	0	21.83	21.77	21.88		
5	HQAM	1	12	22.85	22.78	22.76	23	2
5	HQAM	1	24	22.78	22.78	22.77		
5	HQAM	12	0	21.76	21.73	21.84		
5	HQAM	12	7	21.82	21.83	21.85	22	3
5	HQAM	12	13	21.86	21.78	21.82		
5	HQAM	25	0	21.84	21.77	21.88		

Table 44

SW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.	Power Mid Ch.	Power High Ch.	Tune-up Ref. (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
24	QPSK	1	0	22.74	22.87	22.76		
24	QPSK	1	40	22.97	22.87	22.88	24	0
24	QPSK	1	96	22.68	22.58	22.87		
24	QPSK	50	0	21.88	21.69	21.87		
24	QPSK	50	24	21.95	21.61	21.95	23	1
24	QPSK	50	50	21.97	21.83	21.91		
24	QPSK	100	0	21.95	21.98	21.93		
24	HQAM	1	0	22.21	22.17	22.17		
24	HQAM	1	40	22.42	22.28	22.39	23	1
24	HQAM	1	96	22.73	22.59	22.68		
24	HQAM	50	0	21.92	20.93	21.91		
24	HQAM	50	24	21.91	20.95	20.99	22	2
24	HQAM	50	50	20.99	20.98	20.92		
24	HQAM	100	0	20.97	20.88	20.99		
24	HQAM	1	0	21.96	21.97	21.92		
24	HQAM	1	40	21.78	21.87	21.98	22	2
24	HQAM	1	50	21.68	21.68	21.93		
24	HQAM	50	0	21.00	20.93	20.90		
24	HQAM	50	24	21.00	20.94	20.98	21	3
24	HQAM	50	50	20.98	20.98	20.92		
24	HQAM	100	0	20.78	20.95	20.98		
Channel								
Frequency (MHz)								
18	QPSK	1	0	22.73	22.80	22.76		
18	QPSK	1	37	22.82	22.78	22.83	24	0
18	QPSK	1	74	22.68	22.71	22.83		
18	QPSK	36	0	21.84	21.63	21.84		
18	QPSK	36	36	21.88	21.51	21.91	23	1
18	QPSK	36	36	21.89	21.68	21.89		
18	QPSK	75	0	21.87	21.62	21.91		
18	HQAM	1	0	22.12	22.22	22.19		
18	HQAM	1	37	22.28	22.34	22.38	23	1
18	HQAM	1	74	22.11	22.12	22.11		
18	HQAM	36	0	20.95	20.94	20.97		
18	HQAM	36	36	20.92	20.91	20.94	22	2
18	HQAM	36	36	20.93	20.93	20.93		
18	HQAM	75	0	20.92	20.93	20.99		
18	HQAM	1	0	21.74	21.66	21.76		
18	HQAM	1	37	21.92	21.94	21.96	22	2
18	HQAM	1	74	21.72	21.72	21.73		
18	HQAM	36	0	20.87	20.90	21.00		
18	HQAM	36	36	20.91	20.93	20.94	21	3
18	HQAM	36	36	20.93	20.96	20.93		
18	HQAM	75	0	20.93	20.93	20.99		
Channel								
Frequency (MHz)								
18	QPSK	1	0	22.72	22.79	22.81		
18	QPSK	1	25	22.88	22.91	22.84	24	0
18	QPSK	1	40	22.73	22.78	22.71		
18	QPSK	25	0	21.81	21.69	21.85		
18	QPSK	25	12	21.88	21.68	21.88	23	1
18	QPSK	25	25	21.84	21.93	21.86		
18	QPSK	50	0	21.84	21.83	21.88		
18	HQAM	1	0	22.15	22.20	22.22		
18	HQAM	1	25	22.27	22.27	22.30	23	1
18	HQAM	1	40	22.17	22.14	22.12		
18	HQAM	25	0	20.97	20.94	20.94		
18	HQAM	25	12	20.89	20.92	20.92	22	2
18	HQAM	25	25	20.92	20.90	20.91		
18	HQAM	50	0	20.89	20.93	20.88		
18	HQAM	1	0	21.87	21.92	21.84		
18	HQAM	1	25	21.90	21.87	21.75	22	2
18	HQAM	1	40	21.88	21.89	21.85		
18	HQAM	25	0	20.89	20.93	20.92		
18	HQAM	25	12	20.92	20.91	20.93	21	3
18	HQAM	25	25	20.91	20.90	20.92		
18	HQAM	50	0	20.89	20.93	20.88		
Channel								
Frequency (MHz)								
5	QPSK	1	0	22.05	22.84	22.05		
5	QPSK	1	12	22.81	22.88	22.81	24	0
5	QPSK	1	24	22.96	22.93	22.85		
5	QPSK	12	0	21.71	21.80	21.88		
5	QPSK	12	7	21.77	21.69	21.90	23	1
5	QPSK	12	13	21.75	21.83	21.86		
5	QPSK	25	0	21.70	21.83	21.85		
5	HQAM	1	0	22.04	22.07	22.06		
5	HQAM	1	12	22.34	22.27	22.34	23	1
5	HQAM	1	24	22.04	22.06	22.09		
5	HQAM	12	0	22.78	22.85	22.91		
5	HQAM	12	7	20.88	20.94	20.97	22	2
5	HQAM	12	13	20.92	20.98	20.92		
5	HQAM	25	0	20.80	20.80	20.90		
5	HQAM	1	0	21.89	21.92	21.98		
5	HQAM	1	12	21.93	21.88	21.94	22	2
5	HQAM	1	24	21.93	21.87	21.91		
5	HQAM	12	0	20.79	20.79	20.87		
5	HQAM	12	7	20.84	20.90	20.92	21	3
5	HQAM	12	13	20.79	20.84	20.91		
5	HQAM	25	0	20.80	20.86	20.90		
Channel								
Frequency (MHz)								
3	QPSK	1	0	22.65	22.74	22.71		
3	QPSK	1	8	22.68	22.74	22.71	24	0
3	QPSK	1	14	22.71	22.78	22.70		
3	QPSK	8	0	21.77	21.81	21.84		
3	QPSK	8	4	21.80	21.88	21.84	23	1
3	QPSK	8	7	21.78	21.84	21.80		
3	QPSK	15	0	21.74	21.83	21.82		
3	HQAM	1	0	22.11	22.18	22.15		
3	HQAM	1	8	22.08	22.11	22.18	23	1
3	HQAM	1	14	22.13	22.14	22.18		
3	HQAM	8	0	20.87	20.93	20.98		
3	HQAM	8	4	20.91	21.00	20.97	22	2
3	HQAM	8	7	20.98	21.02	21.05		
3	HQAM	15	0	20.92	20.88	20.90		
3	HQAM	1	0	21.87	21.89	21.98		
3	HQAM	1	8	21.88	21.92	21.93	22	2
3	HQAM	1	14	22.00	21.91	21.91		
3	HQAM	8	0	20.93	20.98	20.91		
3	HQAM	8	4	20.87	20.92	20.94	21	3
3	HQAM	8	7	20.85	20.91	20.91		
3	HQAM	15	0	20.91	20.97	20.98		
Channel								
Frequency (MHz)								
14	QPSK	1	0	22.96	22.69	22.66		
14	QPSK	1	3	22.65	22.78	22.80	24	0
14	QPSK	1	6	22.97	22.94	22.99		
14	QPSK	3	0	22.08	22.74	22.77		
14	QPSK	3	1	22.73	22.79	22.84		
14	QPSK	3	3	22.68	22.78	22.79	23	1
14	QPSK	6	0	21.71	21.76	21.84		
14	HQAM	1	0	22.98	22.97	22.12		
14	HQAM	1	3	21.81	21.80	21.89	23	1
14	HQAM	1	6	21.82	21.86	21.88		
14	HQAM	3	0	21.79	21.82	21.84		
14	HQAM	3	1	21.80	21.86	21.88	22	2
14	HQAM	3	3	21.80	21.83	21.78		
14	HQAM	6	0	21.69	21.80	21.86		
14	HQAM	6	3	21.70	21.77	21.89	21	3
14	HQAM	6	6	21.70	21.78	21.86		
14	HQAM	3	0	21.80	21.83	21.78		
14	HQAM	3	3	21.80	21.80	21.86	21	3

LTE Band 38									
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				37850.00	38000.00	38150.00	23.50	0.00	
Frequency (MHz)				2572.50	2585.00	2597.50			
20.00	QPSK	1.00	0.00	22.30	22.50	22.14	22.50	1.00	
20.00	QPSK	1.00	49.00	22.52	22.50	22.54			
20.00	QPSK	1.00	99.00	22.25	22.20	22.27			
20.00	QPSK	50.00	0.00	21.33	21.40	21.38			
20.00	QPSK	50.00	24.00	21.32	21.32	21.34			
20.00	QPSK	50.00	50	21.29	21.30	21.37			
20.00	QPSK	100.00	0.00	21.35	21.45	21.42	22.50	1.00	
20.00	16QAM	1.00	0.00	21.36	21.36	21.43			
20.00	16QAM	1.00	49.00	21.82	21.63	21.63			
20.00	16QAM	1.00	99.00	21.33	21.30	21.34			
20.00	16QAM	50.00	0.00	20.35	20.35	20.41			
20.00	16QAM	50.00	24.00	20.36	20.33	20.42			
20.00	16QAM	50.00	50	20.36	20.35	20.40	21.50	2.00	
20.00	16QAM	100.00	0.00	20.39	20.38	20.48			
20.00	64QAM	1.00	0.00	21.13	21.09	21.14			
20.00	64QAM	1.00	49.00	21.35	21.39	21.38			
20.00	64QAM	1.00	99.00	21.05	21.05	21.08			
20.00	64QAM	50.00	0.00	20.31	20.29	20.37			
20.00	64QAM	50.00	24.00	20.29	20.30	20.37	20.50	3.00	
20.00	64QAM	50.00	50	20.30	20.30	20.37			
20.00	64QAM	100.00	0.00	20.45	20.45	20.30			
Channel				37925.00	38000.00	38175.00	23.50	0.00	
Frequency (MHz)				2577.50	2585.00	2592.50			
15.00	QPSK	1.00	0.00	22.37	22.34	22.39	22.50	1.00	
15.00	QPSK	1.00	37.00	22.46	22.53	22.53			
15.00	QPSK	1.00	74.00	22.28	22.27	22.35			
15.00	QPSK	36.00	0.00	21.43	21.41	21.44			
15.00	QPSK	36.00	20.00	21.43	21.44	21.47			
15.00	QPSK	36.00	39.00	21.43	21.39	21.43			
15.00	QPSK	75.00	0.00	21.38	21.34	21.38	22.50	1.00	
15.00	16QAM	1.00	0.00	21.40	21.40	21.45			
15.00	16QAM	1.00	37.00	21.53	21.60	21.61			
15.00	16QAM	1.00	74.00	21.34	21.36	21.41			
15.00	16QAM	36.00	0.00	20.37	20.34	20.41			
15.00	16QAM	36.00	20.00	20.33	20.37	20.40			
15.00	16QAM	36.00	39.00	20.34	20.33	20.42	21.50	2.00	
15.00	16QAM	75.00	0.00	20.42	20.37	20.42			
15.00	64QAM	1.00	0.00	21.16	21.15	21.18			
15.00	64QAM	1.00	37.00	21.31	21.29	21.36			
15.00	64QAM	1.00	74.00	21.12	21.09	21.17			
15.00	64QAM	36.00	0.00	20.41	20.37	20.41			
15.00	64QAM	36.00	20.00	20.41	20.39	20.47	20.50	3.00	
15.00	64QAM	36.00	39.00	20.38	20.37	20.40			
15.00	64QAM	75.00	0.00	20.40	20.36	20.39			
Channel				37875.00	38000.00	38200.00	23.50	0.00	
Frequency (MHz)				2578.00	2585.00	2595.00			
10.00	QPSK	1.00	0.00	22.51	22.48	22.48	22.50	1.00	
10.00	QPSK	1.00	25	22.56	22.55	22.56			
10.00	QPSK	1.00	49	22.47	22.43	22.45			
10.00	QPSK	25.00	0.00	21.51	21.50	21.55			
10.00	QPSK	25.00	12.00	21.48	21.55	21.57			
10.00	QPSK	25.00	25	21.53	21.51	21.57			
10.00	QPSK	50.00	0.00	21.43	21.46	21.52	22.50	1.00	
10.00	16QAM	1.00	0.00	21.57	21.54	21.54			
10.00	16QAM	1.00	25	21.65	21.61	21.63			
10.00	16QAM	1.00	49	21.67	21.51	21.56			
10.00	16QAM	25.00	0.00	20.65	20.51	20.56			
10.00	16QAM	25.00	12.00	20.51	20.46	20.58			
10.00	16QAM	25.00	25	20.52	20.50	20.60	21.50	2.00	
10.00	16QAM	50.00	0.00	20.50	20.49	20.54			
10.00	64QAM	1.00	0.00	21.30	21.24	21.27			
10.00	64QAM	1.00	25	21.39	21.35	21.33			
10.00	64QAM	1.00	49	21.29	21.25	21.27			
10.00	64QAM	25.00	0.00	20.43	20.45	20.34			
10.00	64QAM	25.00	12.00	20.46	20.42	20.43	20.50	3.00	
10.00	64QAM	25.00	25	20.48	20.47	20.30			
10.00	64QAM	50.00	0.00	20.41	20.42	20.45			
Channel				37775.00	38000.00	38225.00	23.50	0.00	
Frequency (MHz)				2572.50	2585.00	2597.50			
5.00	QPSK	1.00	0.00	22.36	22.31	22.39	22.50	1.00	
5.00	QPSK	1.00	12.00	22.50	22.55	22.58			
5.00	QPSK	1.00	24.00	22.35	22.31	22.38			
5.00	QPSK	12.00	0.00	21.53	21.45	21.54			
5.00	QPSK	12.00	7	21.57	21.50	21.58			
5.00	QPSK	12.00	13	21.57	21.54	21.58			
5.00	QPSK	25.00	0.00	21.53	21.50	21.56	22.50	1.00	
5.00	16QAM	1.00	0.00	21.51	21.43	21.50			
5.00	16QAM	1.00	12.00	21.79	21.63	21.68			
5.00	16QAM	1.00	24.00	21.48	21.42	21.48			
5.00	16QAM	12.00	0.00	20.46	20.40	20.50			
5.00	16QAM	12.00	7	20.51	20.45	20.52			
5.00	16QAM	12.00	13	20.52	20.49	20.53	21.50	2.00	
5.00	16QAM	25.00	0.00	20.54	20.50	20.57			
5.00	64QAM	1.00	0.00	21.27	21.16	21.25			
5.00	64QAM	1.00	12.00	21.40	21.38	21.42			
5.00	64QAM	1.00	24.00	21.25	21.15	21.22			
5.00	64QAM	12.00	0.00	20.48	20.41	20.48			
5.00	64QAM	12.00	7	20.31	20.42	20.34	20.50	3.00	
5.00	64QAM	12.00	13	20.25	20.47	20.35			
5.00	64QAM	25.00	0.00	20.30	20.44	20.32			

2.4GHz WLAN						
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1.00	2412.00	16.22	17.50	100.00
		6.00	2437.00	16.31	17.50	
		11.00	2462.00	16.53	17.50	
	802.11g 6Mbps	1.00	2412.00	13.16	14.50	96.94
		6.00	2437.00	15.80	16.00	
		11.00	2462.00	13.30	14.50	
	802.11n-HT20 MCS0	1.00	2412.00	12.70	14.00	96.72
		6.00	2437.00	15.26	16.00	
		11.00	2462.00	12.83	14.00	

BT 2.0

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402.00	9.15	8.06	8.30
	CH 39	2441.00	9.99	7.99	8.04
	CH 78	2480.00	9.55	8.01	8.13
Tune-up Limit			11.00	10.00	10.00

BT 4.0

Mode	Channel	Frequency (MHz)	Average power (dBm)
			GFSK
LE	CH 00	2402.00	4.09
	CH 19	2440.00	5.42
	CH 39	2480.00	4.27
Tune-up Limit			7.00

BT 5.0

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402.00	4.76
	CH 19	2440.00	5.99
	CH 39	2480.00	4.80
Tune-up Limit			7.00