

8 CONDUCTED RF OUPUT POWER

8.2	GSM Output Power
8.3	WCDMA Output Power
8.4	LTE Output Power
8.5	WIFI Output Power
8.6	Bluetooth Output Power
8.6.1	Bluetooth Duty Cycle

8.2 GSM Output Power

GSM-SENSOR ON&OFF									
GSM850 Band	Burst Average Power(dBm)			Tune-up	Division	Frame-Averaged power			Tune-up
Channel	128	190	251	Power(dBm)	Factors	128	190	251	Power(dBm)
GSM (GMSK, 1-Slot)	32.51	32.64	32.64	33.50	9.19	23.32	23.45	23.45	24.31
GPRS (GMSK, 1-Slot)	32.40	32.53	32.53	33.50	9.19	23.21	23.34	23.34	24.31
GPRS (GMSK, 2-Slots)	30.39	30.30	30.28	31.50	6.13	24.26	24.17	24.15	25.37
GPRS (GMSK, 3-Slots)	28.11	28.02	27.94	29.50	4.42	23.69	23.60	23.52	25.08
GPRS (GMSK, 4-Slots)	25.84	25.73	25.67	27.50	3.18	22.66	22.55	22.49	24.32
EGPRS (8PSK, 1-Slot)	26.46	26.22	26.47	27.00	9.19	17.27	17.03	17.28	17.81
EGPRS (8PSK, 2-Slots)	23.98	24.04	24.22	25.00	6.13	17.85	17.91	18.09	18.87
EGPRS (8PSK, 3-Slots)	21.53	21.94	21.55	22.00	4.42	17.11	17.52	17.13	17.58
EGPRS (8PSK, 4-Slots)	18.98	18.99	19.28	20.00	3.18	15.80	15.81	16.10	16.82
GSM1900 Band	Burst Average Power(dBm)			Tune-up	Division	Frame-Averaged			Tune-up
Channel	512	661	810	Power(dBm)	Factors	512	661	810	Power(dBm)
GSM (GMSK, 1-Slot)	29.45	29.33	29.44	30.50	9.19	20.26	20.14	20.25	21.31
GPRS (GMSK, 1-Slot)	29.52	29.38	29.50	30.50	9.19	20.33	20.19	20.31	21.31
GPRS (GMSK, 2-Slots)	27.48	27.16	26.80	28.50	6.13	21.35	21.03	20.67	22.37
GPRS (GMSK, 3-Slots)	25.24	24.89	24.52	26.50	4.42	20.82	20.47	20.10	22.08
GPRS (GMSK, 4-Slots)	23.09	22.74	22.54	24.50	3.18	19.91	19.56	19.36	21.32
EGPRS (8PSK, 1-Slot)	26.01	25.98	25.94	27.00	9.19	16.82	16.79	16.75	17.81
EGPRS (8PSK, 2-Slots)	22.95	23.13	23.06	24.00	6.13	16.82	17.00	16.93	17.87
EGPRS (8PSK, 3-Slots)	21.40	21.22	21.01	22.00	4.42	16.98	16.80	16.59	17.58
EGPRS (8PSK, 4-Slots)	19.30	19.28	18.97	20.00	3.18	16.12	16.10	15.79	16.82

8.3 WCDMA Output Power

WCDMA-SENSOR ON				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
AMR 12.2Kbps	17.13	16.92	16.82	18.50
RMC 12.2Kbps	17.15	17.06	17.18	18.50
HSDPA Subtest-1	17.02	17.08	16.92	18.00
HSDPA Subtest-2	16.87	16.80	16.62	18.00
HSDPA Subtest-3	15.81	15.86	15.66	17.00
HSDPA Subtest-4	16.63	16.62	16.80	17.00
HSUPA Subtest-1	15.00	14.95	14.75	16.00
HSUPA Subtest-2	14.83	14.82	15.02	16.00
HSUPA Subtest-3	14.55	14.56	14.36	16.00
HSUPA Subtest-4	14.95	15.09	15.09	16.00
HSUPA Subtest-5	17.15	17.17	17.13	18.00
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
AMR 12.2Kbps	18.17	18.05	18.01	19.50
RMC 12.2Kbps	18.03	18.09	18.09	19.50
HSDPA Subtest-1	18.02	18.11	17.92	19.00
HSDPA Subtest-2	18.10	18.12	18.21	19.00
HSDPA Subtest-3	18.19	18.03	18.17	19.00
HSDPA Subtest-4	17.99	18.03	18.04	19.00
HSUPA Subtest-1	17.85	18.05	17.90	19.00
HSUPA Subtest-2	17.58	17.60	17.58	18.00
HSUPA Subtest-3	17.19	17.30	17.33	18.00
HSUPA Subtest-4	17.89	17.89	18.00	18.00
HSUPA Subtest-5	18.09	18.13	17.98	19.00
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
AMR 12.2Kbps	22.25	22.32	22.46	23.50
RMC 12.2Kbps	22.39	22.44	22.50	23.50
HSDPA Subtest-1	21.89	21.71	21.65	22.00
HSDPA Subtest-2	21.50	21.48	21.49	22.00
HSDPA Subtest-3	20.97	21.11	21.17	22.00
HSDPA Subtest-4	21.14	21.00	20.87	22.00
HSUPA Subtest-1	20.25	20.34	20.44	21.00
HSUPA Subtest-2	19.86	19.91	19.96	21.00
HSUPA Subtest-3	19.74	19.58	19.60	21.00
HSUPA Subtest-4	19.38	19.58	19.75	21.00
HSUPA Subtest-5	22.04	21.95	21.86	23.00

WCDMA-SENSOR OFF				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
AMR 12.2Kbps	22.40	22.44	22.41	23.50
RMC 12.2Kbps	22.53	22.48	22.56	23.50
HSDPA Subtest-1	22.06	22.12	22.31	23.00
HSDPA Subtest-2	21.67	21.76	21.88	23.00
HSDPA Subtest-3	20.70	20.90	20.87	22.00
HSDPA Subtest-4	21.37	21.54	21.58	22.00
HSUPA Subtest-1	19.94	20.02	20.15	21.00
HSUPA Subtest-2	19.85	19.89	19.98	21.00
HSUPA Subtest-3	19.77	19.57	19.41	21.00
HSUPA Subtest-4	20.10	20.14	20.27	21.00
HSUPA Subtest-5	22.31	22.13	22.10	23.00
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
AMR 12.2Kbps	22.32	22.29	22.40	23.50
RMC 12.2Kbps	22.35	22.41	22.51	23.50
HSDPA Subtest-1	21.83	22.03	21.86	23.00
HSDPA Subtest-2	22.28	22.09	22.00	23.00
HSDPA Subtest-3	22.15	22.02	21.85	23.00
HSDPA Subtest-4	22.23	22.05	21.90	23.00
HSUPA Subtest-1	21.96	22.06	22.00	23.00
HSUPA Subtest-2	21.57	21.56	21.75	22.00
HSUPA Subtest-3	21.27	21.41	21.46	22.00
HSUPA Subtest-4	21.86	21.86	21.77	22.00
HSUPA Subtest-5	22.38	22.19	22.18	23.00
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
AMR 12.2Kbps	22.25	22.32	22.46	23.50
RMC 12.2Kbps	22.39	22.44	22.50	23.50
HSDPA Subtest-1	21.89	21.71	21.65	22.00
HSDPA Subtest-2	21.50	21.48	21.49	22.00
HSDPA Subtest-3	20.97	21.11	21.17	22.00
HSDPA Subtest-4	21.14	21.00	20.87	22.00
HSUPA Subtest-1	20.25	20.34	20.44	21.00
HSUPA Subtest-2	19.86	19.91	19.96	21.00
HSUPA Subtest-3	19.74	19.58	19.60	21.00
HSUPA Subtest-4	19.38	19.58	19.75	21.00
HSUPA Subtest-5	22.04	21.95	21.86	23.00

8.4 LTE Output Power

LTE B2 SENSOR ON							
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	16.02	17.39	17.20	18.00
		MID	QPSK	16.15	16.56	16.62	18.00
		HIGH	QPSK	16.83	16.86	16.07	18.00
	3	LOW	QPSK	16.33	16.40	16.51	18.00
		MID	QPSK	16.12	16.02	16.22	18.00
		HIGH	QPSK	16.27	16.15	16.02	18.00
6	LOW	QPSK	15.97	16.31	15.98	17.00	
1.4	1	LOW	Q16	15.22	15.07	15.24	17.00
		MID	Q16	15.13	15.02	15.19	17.00
		HIGH	Q16	15.14	15.17	15.13	17.00
	3	LOW	Q16	15.14	15.28	15.21	17.00
		MID	Q16	15.05	15.04	15.08	17.00
		HIGH	Q16	15.04	15.02	15.03	17.00
6	LOW	Q16	15.04	15.23	14.94	16.00	
1.4	1	LOW	64QAM	14.33	14.10	14.35	16.00
		MID	64QAM	14.02	14.17	14.18	16.00
		HIGH	64QAM	14.00	14.06	14.30	16.00
	3	LOW	64QAM	14.03	14.28	14.09	16.00
		MID	64QAM	14.10	14.02	14.03	16.00
		HIGH	64QAM	14.09	14.04	14.03	16.00
6	LOW	64QAM	14.09	14.09	13.94	15.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	16.15	17.42	16.98	18.00
		MID	QPSK	16.16	16.43	16.43	18.00
		HIGH	QPSK	16.86	16.79	16.01	18.00
	8	LOW	QPSK	15.84	16.40	16.38	17.00
		MID	QPSK	16.00	16.07	16.12	17.00
		HIGH	QPSK	16.13	16.11	15.92	17.00
15	LOW	QPSK	16.07	16.16	16.23	17.00	
3	1	LOW	Q16	15.19	15.11	15.44	17.00
		MID	Q16	15.04	15.15	15.08	17.00
		HIGH	Q16	15.12	15.00	15.09	17.00
	8	LOW	Q16	14.77	15.36	15.22	16.00
		MID	Q16	14.84	15.01	15.07	16.00
		HIGH	Q16	15.05	15.00	14.83	16.00
15	LOW	Q16	14.87	15.15	15.08	16.00	
3	1	LOW	64QAM	14.24	14.21	14.62	16.00
		MID	64QAM	14.38	14.00	14.40	16.00
		HIGH	64QAM	14.08	14.25	14.04	16.00
	8	LOW	64QAM	13.94	14.42	14.26	15.00
		MID	64QAM	14.03	13.83	13.92	15.00
		HIGH	64QAM	14.13	14.03	13.75	15.00
15	LOW	64QAM	14.07	14.13	13.93	15.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	16.16	17.37	17.24	18.00
		MID	QPSK	16.13	16.44	16.58	18.00
		HIGH	QPSK	16.89	16.85	16.16	18.00
	12	LOW	QPSK	15.86	16.28	16.24	17.00
		MID	QPSK	15.92	15.79	16.10	17.00
		HIGH	QPSK	16.12	16.08	15.97	17.00
25	LOW	QPSK	16.00	16.20	16.23	17.00	
5	1	LOW	Q16	15.10	15.14	15.37	17.00
		MID	Q16	15.21	15.09	15.05	17.00
		HIGH	Q16	15.26	15.21	15.17	17.00
	12	LOW	Q16	14.89	15.46	15.31	16.00
		MID	Q16	14.85	15.06	14.83	16.00
		HIGH	Q16	15.04	15.05	14.60	16.00
25	LOW	Q16	14.96	15.08	15.06	16.00	
5	1	LOW	64QAM	14.26	14.16	14.52	16.00
		MID	64QAM	14.30	14.05	14.28	16.00
		HIGH	64QAM	14.05	14.11	14.24	16.00
	12	LOW	64QAM	14.03	14.34	14.27	15.00
		MID	64QAM	14.01	14.01	13.75	15.00
		HIGH	64QAM	14.07	14.04	13.72	15.00
25	LOW	64QAM	14.02	14.22	13.86	15.00	

LTE B2 SENSOR ON							
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	16.13	17.55	17.17	18.00
		MID	QPSK	16.24	16.42	16.57	18.00
		HIGH	QPSK	16.94	16.70	16.26	18.00
	25	LOW	QPSK	16.05	16.42	16.25	17.00
		MID	QPSK	15.90	15.82	16.04	17.00
		HIGH	QPSK	16.23	16.03	16.00	17.00
10	1	LOW	QPSK	16.07	16.28	16.09	17.00
		LOW	Q16	15.18	15.05	15.35	17.00
		MID	Q16	15.08	15.02	15.26	17.00
	25	HIGH	Q16	15.00	15.03	15.07	17.00
		LOW	Q16	14.94	15.44	15.23	16.00
		MID	Q16	14.88	14.98	15.05	16.00
10	1	HIGH	Q16	14.98	15.20	14.80	16.00
		LOW	Q16	15.00	15.29	15.08	16.00
	25	LOW	64QAM	14.06	14.19	14.57	16.00
		MID	64QAM	14.25	14.05	14.35	16.00
		HIGH	64QAM	14.13	14.10	14.11	16.00
	50	LOW	64QAM	13.96	14.46	14.26	15.00
Bandwidth (MHz)	15	MID	64QAM	13.78	13.93	13.98	15.00
		HIGH	64QAM	13.90	13.91	13.70	15.00
		LOW	64QAM	13.98	14.12	13.88	15.00
	15	LOW	QPSK	16.01	17.29	17.24	18.00
		MID	QPSK	16.10	16.47	16.53	18.00
		HIGH	QPSK	16.67	16.75	16.01	18.00
	36	LOW	QPSK	15.90	16.24	16.54	17.00
		MID	QPSK	16.01	15.79	16.05	17.00
		HIGH	QPSK	16.19	16.28	15.73	17.00
	75	LOW	QPSK	16.11	16.25	16.20	17.00
		LOW	Q16	15.23	15.05	15.39	17.00
		MID	Q16	15.02	15.08	15.33	17.00
	15	HIGH	Q16	15.12	15.15	15.07	17.00
		LOW	Q16	15.01	15.49	15.14	16.00
		MID	Q16	14.83	15.09	14.84	16.00
	36	HIGH	Q16	15.03	15.03	14.78	16.00
		LOW	Q16	15.09	15.25	14.83	16.00
	75	LOW	64QAM	14.09	14.19	14.35	16.00
		MID	64QAM	14.16	14.03	14.24	16.00
		HIGH	64QAM	14.04	14.28	14.22	16.00
Bandwidth (MHz)	15	LOW	64QAM	13.98	14.31	14.26	15.00
		MID	64QAM	14.00	14.09	13.90	15.00
		HIGH	64QAM	13.98	14.21	13.67	15.00
	36	LOW	64QAM	14.03	14.05	13.98	15.00
	75	LOW	64QAM	14.03	14.05	13.98	15.00
	15	LOW	QPSK	16.15	17.42	17.13	18.00
		MID	QPSK	16.23	16.42	16.47	18.00
		HIGH	QPSK	16.72	16.75	16.12	18.00
	20	LOW	QPSK	15.91	16.32	16.39	17.00
		MID	QPSK	15.86	15.92	16.07	17.00
		HIGH	QPSK	16.14	16.15	15.88	17.00
	50	LOW	QPSK	16.00	16.30	16.12	17.00
		LOW	Q16	15.13	15.17	15.33	17.00
		MID	Q16	15.11	15.13	15.18	17.00
	100	HIGH	Q16	15.12	15.15	15.11	17.00
		LOW	Q16	14.88	15.39	15.22	16.00
		MID	Q16	14.84	14.99	14.94	16.00
	20	HIGH	Q16	15.11	15.05	14.72	16.00
		LOW	Q16	14.99	15.18	14.97	16.00
	50	LOW	64QAM	14.11	14.28	14.48	16.00
		MID	64QAM	14.24	14.06	14.31	16.00
		HIGH	64QAM	14.02	14.22	14.09	16.00
20	1	LOW	64QAM	13.92	14.34	14.18	15.00
		MID	64QAM	13.92	13.94	13.85	15.00
		HIGH	64QAM	14.03	14.06	13.79	15.00
	50	LOW	64QAM	13.95	14.17	13.86	15.00
		MID	64QAM	13.95	14.17	13.86	15.00
		HIGH	64QAM	13.95	14.17	13.86	15.00

LTE B2 SENSOR OFF							
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.87	23.12	22.91	24.00
		MID	QPSK	22.91	23.16	23.08	24.00
		HIGH	QPSK	22.79	23.07	23.05	24.00
	3	LOW	QPSK	22.26	22.33	22.44	24.00
		MID	QPSK	22.32	22.54	22.33	24.00
		HIGH	QPSK	22.43	22.51	22.48	24.00
	6	LOW	QPSK	22.54	22.19	22.32	23.00
1.4	1	LOW	Q16	22.47	22.35	22.43	23.00
		MID	Q16	22.27	22.25	22.39	23.00
		HIGH	Q16	22.52	22.46	22.38	23.00
	3	LOW	Q16	21.94	21.82	21.86	23.00
		MID	Q16	21.49	21.70	21.52	23.00
		HIGH	Q16	21.93	21.38	21.23	23.00
	6	LOW	Q16	21.40	21.39	21.72	22.00
1.4	1	LOW	64QAM	21.55	21.22	21.42	22.00
		MID	64QAM	21.20	21.34	21.46	22.00
		HIGH	64QAM	21.62	21.34	21.28	22.00
	3	LOW	64QAM	21.06	20.77	20.79	22.00
		MID	64QAM	20.59	20.70	20.65	22.00
		HIGH	64QAM	20.89	20.39	20.14	22.00
	6	LOW	64QAM	20.31	20.41	20.65	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	22.83	23.04	22.92	24.00
		MID	QPSK	22.89	23.22	22.95	24.00
		HIGH	QPSK	22.82	23.15	23.09	24.00
	8	LOW	QPSK	22.56	22.44	22.46	23.00
		MID	QPSK	22.54	22.45	22.45	23.00
		HIGH	QPSK	22.55	22.50	22.54	23.00
	15	LOW	QPSK	22.37	22.27	22.42	23.00
3	1	LOW	Q16	22.11	22.34	22.33	23.00
		MID	Q16	22.25	22.17	22.31	23.00
		HIGH	Q16	22.52	22.16	22.63	23.00
	8	LOW	Q16	21.92	21.74	21.59	22.00
		MID	Q16	21.55	21.53	21.67	22.00
		HIGH	Q16	21.13	21.59	21.54	22.00
	15	LOW	Q16	21.37	21.62	21.84	22.00
3	1	LOW	64QAM	21.10	21.13	21.20	22.00
		MID	64QAM	21.30	21.25	21.40	22.00
		HIGH	64QAM	21.29	21.20	21.67	22.00
	8	LOW	64QAM	20.80	20.93	20.71	21.00
		MID	64QAM	20.35	20.44	20.69	21.00
		HIGH	64QAM	20.02	20.45	20.57	21.00
	15	LOW	64QAM	20.33	20.54	20.75	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	22.92	23.15	23.01	24.00
		MID	QPSK	22.88	23.09	22.99	24.00
		HIGH	QPSK	22.87	23.17	23.21	24.00
	12	LOW	QPSK	22.36	22.53	22.45	23.00
		MID	QPSK	22.60	22.48	22.40	23.00
		HIGH	QPSK	22.35	22.60	22.45	23.00
	25	LOW	QPSK	22.41	22.38	22.29	23.00
5	1	LOW	Q16	22.21	22.29	22.39	23.00
		MID	Q16	22.21	22.35	22.54	23.00
		HIGH	Q16	22.32	22.15	22.54	23.00
	12	LOW	Q16	21.95	21.97	21.73	22.00
		MID	Q16	21.65	21.60	21.69	22.00
		HIGH	Q16	21.97	21.53	21.34	22.00
	25	LOW	Q16	21.41	21.61	21.85	22.00
5	1	LOW	64QAM	21.14	21.07	21.17	22.00
		MID	64QAM	21.53	21.25	21.35	22.00
		HIGH	64QAM	21.31	21.23	21.65	22.00
	12	LOW	64QAM	20.79	20.74	20.50	21.00
		MID	64QAM	20.52	20.44	20.81	21.00
		HIGH	64QAM	20.87	20.39	20.62	21.00
	25	LOW	64QAM	20.27	20.61	20.93	21.00

LTE B2 SENSOR OFF							
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	22.76	23.26	22.79	24.00
		MID	QPSK	22.86	23.08	23.00	24.00
		HIGH	QPSK	23.01	23.07	23.11	24.00
	25	LOW	QPSK	22.60	22.50	22.58	23.00
		MID	QPSK	22.40	22.41	22.38	23.00
		HIGH	QPSK	22.46	22.37	22.37	23.00
50	LOW	QPSK	22.56	22.43	22.30	23.00	
10	1	LOW	Q16	22.40	22.21	22.34	23.00
		MID	Q16	22.37	22.23	22.32	23.00
		HIGH	Q16	22.49	22.16	22.51	23.00
	25	LOW	Q16	20.74	21.71	21.87	22.00
		MID	Q16	21.41	21.61	21.52	22.00
		HIGH	Q16	21.82	21.49	21.47	22.00
50	LOW	Q16	21.52	21.48	21.77	22.00	
10	1	LOW	64QAM	21.19	21.27	21.14	22.00
		MID	64QAM	21.32	21.17	21.54	22.00
		HIGH	64QAM	21.24	21.31	21.75	22.00
	25	LOW	64QAM	20.95	20.72	20.56	21.00
		MID	64QAM	20.51	20.47	20.77	21.00
		HIGH	64QAM	20.82	20.42	20.46	21.00
50	LOW	64QAM	20.40	20.54	20.72	21.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	22.89	23.26	22.96	24.00
		MID	QPSK	22.90	23.18	23.01	24.00
		HIGH	QPSK	22.79	23.09	23.17	24.00
	36	LOW	QPSK	22.41	22.46	22.50	23.00
		MID	QPSK	22.36	22.43	22.46	23.00
		HIGH	QPSK	22.40	22.49	22.59	23.00
75	LOW	QPSK	22.42	22.33	22.44	23.00	
15	1	LOW	Q16	22.34	22.30	22.29	23.00
		MID	Q16	22.18	22.30	22.45	23.00
		HIGH	Q16	22.39	22.34	22.53	23.00
	36	LOW	Q16	21.93	21.90	21.78	22.00
		MID	Q16	21.50	21.57	21.61	22.00
		HIGH	Q16	21.79	21.41	21.33	22.00
75	LOW	Q16	21.52	21.52	21.72	22.00	
15	1	LOW	64QAM	21.18	21.25	21.32	22.00
		MID	64QAM	21.44	21.03	21.54	22.00
		HIGH	64QAM	21.20	21.12	21.69	22.00
	36	LOW	64QAM	20.82	20.87	20.67	21.00
		MID	64QAM	20.32	20.38	20.78	21.00
		HIGH	64QAM	20.18	20.57	20.58	21.00
75	LOW	64QAM	20.38	20.56	20.97	21.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	22.87	23.19	22.87	24.00
		MID	QPSK	22.89	23.14	22.95	24.00
		HIGH	QPSK	22.91	23.19	23.11	24.00
	50	LOW	QPSK	22.49	22.47	22.44	23.00
		MID	QPSK	22.51	22.47	22.38	23.00
		HIGH	QPSK	22.46	22.51	22.45	23.00
100	LOW	QPSK	22.42	22.41	22.31	23.00	
20	1	LOW	Q16	22.25	22.26	22.38	23.00
		MID	Q16	22.30	22.26	22.43	23.00
		HIGH	Q16	22.40	22.29	22.57	23.00
	50	LOW	Q16	21.94	21.86	21.73	22.00
		MID	Q16	21.54	21.49	21.67	22.00
		HIGH	Q16	21.94	21.55	21.47	22.00
100	LOW	Q16	21.45	21.56	21.72	22.00	
20	1	LOW	64QAM	21.11	21.18	21.27	22.00
		MID	64QAM	21.42	21.15	21.50	22.00
		HIGH	64QAM	21.31	21.25	21.67	22.00
	50	LOW	64QAM	20.93	20.81	20.59	21.00
		MID	64QAM	20.47	20.49	20.68	21.00
		HIGH	64QAM	20.93	20.54	20.49	21.00
100	LOW	64QAM	20.37	20.65	20.82	21.00	

LTE B4 SENSOR ON							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	16.81	17.12	17.39	18.00
		MID	QPSK	16.50	16.71	16.42	18.00
		HIGH	QPSK	17.28	17.16	17.55	18.00
	3	LOW	QPSK	16.26	16.38	16.42	18.00
		MID	QPSK	16.35	16.04	16.02	18.00
		HIGH	QPSK	16.44	16.28	16.46	18.00
	6	LOW	QPSK	16.30	16.29	16.37	17.00
1.4	1	LOW	Q16	15.14	15.09	15.22	17.00
		MID	Q16	15.33	15.31	15.26	17.00
		HIGH	Q16	15.41	15.19	15.29	17.00
	3	LOW	Q16	15.44	15.50	15.49	17.00
		MID	Q16	15.52	15.16	15.17	17.00
		HIGH	Q16	15.82	15.48	15.42	17.00
	6	LOW	Q16	15.54	15.55	15.42	16.00
1.4	1	LOW	64QAM	14.14	14.19	14.10	16.00
		MID	64QAM	14.20	14.31	14.27	16.00
		HIGH	64QAM	14.30	14.29	14.22	16.00
	3	LOW	64QAM	14.51	14.56	14.66	16.00
		MID	64QAM	14.32	14.41	14.14	16.00
		HIGH	64QAM	14.65	14.50	14.66	16.00
	6	LOW	64QAM	14.61	14.53	14.28	15.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	16.75	17.08	17.22	18.00
		MID	QPSK	16.74	16.79	16.43	18.00
		HIGH	QPSK	17.31	17.23	17.49	18.00
	8	LOW	QPSK	16.27	16.31	16.32	17.00
		MID	QPSK	16.28	16.03	16.18	17.00
		HIGH	QPSK	16.53	16.38	16.55	17.00
	15	LOW	QPSK	16.44	16.45	16.29	17.00
3	1	LOW	Q16	15.21	15.10	15.28	17.00
		MID	Q16	15.29	15.26	15.14	17.00
		HIGH	Q16	15.55	15.46	15.37	17.00
	8	LOW	Q16	15.40	15.61	15.35	16.00
		MID	Q16	15.29	15.31	15.39	16.00
		HIGH	Q16	15.61	15.63	15.51	16.00
	15	LOW	Q16	15.54	15.58	15.44	16.00
3	1	LOW	64QAM	14.05	14.07	14.22	16.00
		MID	64QAM	14.23	14.07	14.16	16.00
		HIGH	64QAM	14.58	14.30	14.56	16.00
	8	LOW	64QAM	14.49	14.53	14.53	15.00
		MID	64QAM	14.56	14.26	14.37	15.00
		HIGH	64QAM	14.53	14.32	14.51	15.00
	15	LOW	64QAM	14.47	14.48	14.24	15.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	16.81	17.01	17.17	18.00
		MID	QPSK	16.60	16.73	16.54	18.00
		HIGH	QPSK	17.50	17.18	17.60	18.00
	12	LOW	QPSK	16.33	16.39	16.48	17.00
		MID	QPSK	16.28	16.16	16.05	17.00
		HIGH	QPSK	16.48	16.36	16.29	17.00
	25	LOW	QPSK	16.34	16.45	16.35	17.00
5	1	LOW	Q16	15.30	15.09	15.11	17.00
		MID	Q16	15.26	15.21	15.27	17.00
		HIGH	Q16	15.51	15.42	15.29	17.00
	12	LOW	Q16	15.50	15.33	15.49	16.00
		MID	Q16	15.44	15.25	15.38	16.00
		HIGH	Q16	15.68	15.43	15.56	16.00
	25	LOW	Q16	15.64	15.48	15.58	16.00
5	1	LOW	64QAM	14.03	14.04	14.38	16.00
		MID	64QAM	14.49	14.26	14.25	16.00
		HIGH	64QAM	14.60	14.07	14.45	16.00
	12	LOW	64QAM	14.37	14.35	14.78	15.00
		MID	64QAM	14.51	14.28	14.33	15.00
		HIGH	64QAM	14.70	14.44	14.51	15.00
	25	LOW	64QAM	14.42	14.62	14.43	15.00

LTE B4 SENSOR ON							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	16.62	17.08	17.44	18.00
		MID	QPSK	16.74	16.56	16.69	18.00
		HIGH	QPSK	17.26	17.25	17.33	18.00
	25	LOW	QPSK	16.19	16.41	16.33	17.00
		MID	QPSK	16.21	16.22	16.27	17.00
		HIGH	QPSK	16.64	16.29	16.52	17.00
	50	LOW	QPSK	16.27	16.26	16.25	17.00
10	1	LOW	Q16	15.16	15.13	15.05	17.00
		MID	Q16	15.10	15.24	15.36	17.00
		HIGH	Q16	15.38	15.46	15.43	17.00
	25	LOW	Q16	15.24	15.32	15.40	16.00
		MID	Q16	15.25	15.29	15.39	16.00
		HIGH	Q16	15.60	15.43	15.42	16.00
	50	LOW	Q16	15.45	15.47	15.62	16.00
10	1	LOW	64QAM	14.39	14.09	14.19	16.00
		MID	64QAM	14.14	14.18	14.08	16.00
		HIGH	64QAM	14.38	14.46	14.23	16.00
	25	LOW	64QAM	14.36	14.56	14.32	15.00
		MID	64QAM	14.32	14.29	14.22	15.00
		HIGH	64QAM	14.63	14.55	14.69	15.00
	50	LOW	64QAM	14.58	14.34	14.40	15.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	16.61	17.08	17.22	18.00
		MID	QPSK	16.57	16.64	16.43	18.00
		HIGH	QPSK	17.37	17.03	17.37	18.00
	36	LOW	QPSK	16.19	16.27	16.43	17.00
		MID	QPSK	16.37	16.28	16.22	17.00
		HIGH	QPSK	16.50	16.44	16.36	17.00
	75	LOW	QPSK	16.27	16.40	16.28	17.00
15	1	LOW	Q16	15.35	15.10	15.17	17.00
		MID	Q16	15.16	15.26	15.09	17.00
		HIGH	Q16	15.45	15.20	15.21	17.00
	36	LOW	Q16	15.33	15.60	15.35	16.00
		MID	Q16	15.52	15.31	15.14	16.00
		HIGH	Q16	15.76	15.48	15.49	16.00
	75	LOW	Q16	15.53	15.50	15.46	16.00
15	1	LOW	64QAM	14.29	14.13	14.12	16.00
		MID	64QAM	14.06	14.07	14.25	16.00
		HIGH	64QAM	14.40	14.25	14.24	16.00
	36	LOW	64QAM	14.48	14.57	14.36	15.00
		MID	64QAM	14.39	14.22	14.15	15.00
		HIGH	64QAM	14.61	14.47	14.70	15.00
	75	LOW	64QAM	14.45	14.46	14.32	15.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	16.70	17.06	17.30	18.00
		MID	QPSK	16.59	16.67	16.56	18.00
		HIGH	QPSK	17.35	17.17	17.45	18.00
	50	LOW	QPSK	16.31	16.32	16.37	17.00
		MID	QPSK	16.28	16.15	16.13	17.00
		HIGH	QPSK	16.58	16.34	16.43	17.00
	100	LOW	QPSK	16.42	16.31	16.38	17.00
20	1	LOW	Q16	15.23	15.17	15.18	17.00
		MID	Q16	15.24	15.26	15.21	17.00
		HIGH	Q16	15.46	15.31	15.36	17.00
	50	LOW	Q16	15.39	15.46	15.48	16.00
		MID	Q16	15.38	15.31	15.27	16.00
		HIGH	Q16	15.67	15.48	15.56	16.00
	100	LOW	Q16	15.53	15.46	15.49	16.00
20	1	LOW	64QAM	14.28	14.08	14.16	16.00
		MID	64QAM	14.09	14.11	14.14	16.00
		HIGH	64QAM	14.34	14.38	14.26	16.00
	50	LOW	64QAM	14.33	14.53	14.38	15.00
		MID	64QAM	14.41	14.32	14.25	15.00
		HIGH	64QAM	14.61	14.61	14.64	15.00
	100	LOW	64QAM	14.54	14.43	14.43	15.00

LTE B4 SENSOR OFF							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.94	22.93	22.71	24.00
		MID	QPSK	22.73	22.70	22.78	24.00
		HIGH	QPSK	22.69	23.05	23.00	24.00
	3	LOW	QPSK	22.19	22.22	22.33	24.00
		MID	QPSK	22.14	22.10	22.20	24.00
		HIGH	QPSK	22.08	22.10	22.27	24.00
6	LOW	QPSK	22.44	22.15	22.35	23.00	
1.4	1	LOW	Q16	22.60	22.70	22.37	23.00
		MID	Q16	22.37	22.79	22.56	23.00
		HIGH	Q16	22.36	22.69	22.50	23.00
	3	LOW	Q16	21.24	21.23	21.21	23.00
		MID	Q16	21.23	21.46	21.27	23.00
		HIGH	Q16	21.34	21.32	21.48	23.00
6	LOW	Q16	21.39	21.54	21.45	22.00	
1.4	1	LOW	64QAM	21.07	21.62	21.46	22.00
		MID	64QAM	21.42	21.31	21.47	22.00
		HIGH	64QAM	21.10	21.62	21.65	22.00
	3	LOW	64QAM	20.09	20.49	20.09	22.00
		MID	64QAM	20.41	20.44	20.32	22.00
		HIGH	64QAM	20.03	20.33	20.35	22.00
6	LOW	64QAM	20.40	20.32	20.25	21.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	22.87	22.97	22.91	24.00
		MID	QPSK	22.76	22.90	22.92	24.00
		HIGH	QPSK	22.93	23.04	23.03	24.00
	8	LOW	QPSK	22.25	22.42	22.44	23.00
		MID	QPSK	22.11	22.19	22.51	23.00
		HIGH	QPSK	22.28	22.14	22.51	23.00
15	LOW	QPSK	22.22	22.20	22.28	23.00	
3	1	LOW	Q16	22.33	22.61	22.50	23.00
		MID	Q16	22.34	22.71	22.51	23.00
		HIGH	Q16	22.42	22.70	22.44	23.00
	8	LOW	Q16	21.15	21.19	21.42	22.00
		MID	Q16	21.35	21.48	21.56	22.00
		HIGH	Q16	21.37	21.27	21.27	22.00
15	LOW	Q16	21.25	21.41	21.42	22.00	
3	1	LOW	64QAM	21.18	21.29	21.66	22.00
		MID	64QAM	21.15	21.40	21.31	22.00
		HIGH	64QAM	21.30	21.67	21.58	22.00
	8	LOW	64QAM	20.24	20.43	20.31	21.00
		MID	64QAM	20.36	20.47	20.40	21.00
		HIGH	64QAM	20.11	20.48	20.27	21.00
15	LOW	64QAM	20.18	20.19	20.19	21.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	22.79	22.75	22.87	24.00
		MID	QPSK	22.74	22.98	22.93	24.00
		HIGH	QPSK	22.77	22.84	22.94	24.00
	12	LOW	QPSK	22.11	22.14	22.41	23.00
		MID	QPSK	22.20	22.24	22.32	23.00
		HIGH	QPSK	22.31	22.15	22.33	23.00
25	LOW	QPSK	22.39	22.25	22.47	23.00	
5	1	LOW	Q16	22.51	22.60	22.55	23.00
		MID	Q16	22.37	22.52	22.49	23.00
		HIGH	Q16	22.22	22.69	22.62	23.00
	12	LOW	Q16	21.29	21.28	21.27	22.00
		MID	Q16	21.17	21.43	21.32	22.00
		HIGH	Q16	21.34	21.43	21.47	22.00
25	LOW	Q16	21.32	21.48	21.38	22.00	
5	1	LOW	64QAM	21.38	21.48	21.67	22.00
		MID	64QAM	21.15	21.52	21.37	22.00
		HIGH	64QAM	21.18	21.82	21.49	22.00
	12	LOW	64QAM	20.26	20.55	20.04	21.00
		MID	64QAM	20.49	20.54	20.55	21.00
		HIGH	64QAM	20.20	20.43	20.15	21.00
25	LOW	64QAM	20.21	20.17	20.12	21.00	

LTE B4 SENSOR OFF							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	22.88	22.70	22.89	24.00
		MID	QPSK	22.83	22.96	22.92	24.00
		HIGH	QPSK	22.92	22.89	22.95	24.00
	25	LOW	QPSK	22.19	22.41	22.30	23.00
		MID	QPSK	22.15	22.14	22.56	23.00
		HIGH	QPSK	22.08	22.20	22.40	23.00
10	1	LOW	QPSK	22.29	22.09	22.46	23.00
	25	LOW	Q16	22.23	22.57	22.51	23.00
		MID	Q16	22.15	22.58	22.37	23.00
		HIGH	Q16	22.33	22.50	22.47	23.00
	50	LOW	Q16	21.27	21.18	21.20	22.00
		MID	Q16	21.14	21.32	21.33	22.00
10	1	HIGH	Q16	21.25	21.37	21.34	22.00
	25	LOW	Q16	21.46	21.28	21.28	22.00
		MID	64QAM	21.30	21.49	21.52	22.00
		HIGH	64QAM	21.30	21.47	21.50	22.00
	50	LOW	64QAM	21.28	21.84	21.55	22.00
		MID	64QAM	20.12	20.46	20.14	21.00
10	1	HIGH	64QAM	20.47	20.48	20.45	21.00
	25	HIGH	64QAM	20.28	20.34	20.36	21.00
		LOW	64QAM	20.15	20.31	20.30	21.00
	50	LOW	64QAM	20.15	20.31	20.30	21.00
		MID	64QAM	20.15	20.31	20.30	21.00
		HIGH	64QAM	20.15	20.31	20.30	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	23.01	22.97	22.68	24.00
		MID	QPSK	22.78	22.78	22.87	24.00
		HIGH	QPSK	22.77	22.91	22.91	24.00
	36	LOW	QPSK	22.08	22.37	22.42	23.00
		MID	QPSK	22.18	22.10	22.31	23.00
		HIGH	QPSK	22.06	22.17	22.28	23.00
15	1	LOW	QPSK	22.32	22.15	22.47	23.00
	36	LOW	Q16	22.45	22.57	22.37	23.00
		MID	Q16	22.33	22.69	22.43	23.00
		HIGH	Q16	22.50	22.78	22.64	23.00
	75	LOW	Q16	21.27	21.21	21.36	22.00
		MID	Q16	21.29	21.39	21.29	22.00
15	1	HIGH	Q16	21.31	21.28	21.40	22.00
	36	LOW	Q16	21.48	21.52	21.38	22.00
		MID	64QAM	21.15	21.50	21.50	22.00
	75	HIGH	64QAM	21.30	21.44	21.50	22.00
		LOW	64QAM	21.21	21.75	21.77	22.00
		MID	64QAM	20.20	20.51	20.09	21.00
15	1	HIGH	64QAM	20.28	20.35	20.41	21.00
	36	HIGH	64QAM	20.06	20.38	20.31	21.00
		LOW	64QAM	20.30	20.47	20.17	21.00
	75	LOW	64QAM	20.30	20.47	20.17	21.00
		MID	64QAM	20.30	20.47	20.17	21.00
		HIGH	64QAM	20.30	20.47	20.17	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	22.86	22.82	22.82	24.00
		MID	QPSK	22.81	22.83	22.86	24.00
		HIGH	QPSK	22.88	22.89	22.97	24.00
	50	LOW	QPSK	22.21	22.27	22.30	23.00
		MID	QPSK	22.26	22.19	22.42	23.00
		HIGH	QPSK	22.19	22.26	22.38	23.00
20	1	LOW	QPSK	22.30	22.24	22.32	23.00
	50	LOW	Q16	22.36	22.48	22.45	23.00
		MID	Q16	22.29	22.56	22.52	23.00
		HIGH	Q16	22.36	22.63	22.55	23.00
	100	LOW	Q16	21.20	21.29	21.29	22.00
		MID	Q16	21.26	21.37	21.43	22.00
20	1	HIGH	Q16	21.22	21.31	21.39	22.00
	50	LOW	Q16	21.33	21.37	21.33	22.00
		MID	64QAM	21.30	21.38	21.54	22.00
	100	HIGH	64QAM	21.23	21.54	21.45	22.00
		LOW	64QAM	21.28	21.76	21.62	22.00
		MID	64QAM	20.23	20.43	20.19	21.00
20	1	HIGH	64QAM	20.34	20.43	20.51	21.00
	50	HIGH	64QAM	20.16	20.43	20.27	21.00
		LOW	64QAM	20.29	20.32	20.19	21.00
	100	LOW	64QAM	20.29	20.32	20.19	21.00
		MID	64QAM	20.29	20.32	20.19	21.00
		HIGH	64QAM	20.29	20.32	20.19	21.00

LTE B5 SENSOR ON&OFF							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power (dBm)
1.4	1	LOW	QPSK	22.75	22.96	22.67	24.00
		MID	QPSK	22.56	22.85	22.66	24.00
		HIGH	QPSK	22.74	22.87	22.54	24.00
	3	LOW	QPSK	22.01	22.24	22.13	24.00
		MID	QPSK	22.36	22.06	22.05	24.00
		HIGH	QPSK	22.12	22.26	22.02	24.00
	6	LOW	QPSK	22.33	22.16	22.04	23.00
	1.4	LOW	Q16	22.57	22.49	22.27	23.00
		MID	Q16	22.51	22.33	21.94	23.00
		HIGH	Q16	22.52	21.98	22.03	23.00
		LOW	Q16	21.42	21.54	21.28	23.00
		MID	Q16	21.11	21.74	21.14	23.00
		HIGH	Q16	21.23	21.77	21.52	23.00
1.4	6	LOW	Q16	21.37	21.43	20.96	22.00
	1	LOW	64QAM	21.42	21.39	21.40	22.00
		MID	64QAM	21.54	21.28	20.82	22.00
		HIGH	64QAM	21.52	21.02	21.05	22.00
	3	LOW	64QAM	20.36	20.68	20.34	22.00
		MID	64QAM	20.04	20.88	20.04	22.00
		HIGH	64QAM	20.22	20.88	20.57	22.00
	6	LOW	64QAM	20.30	20.38	19.96	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power (dBm)
3	1	LOW	QPSK	22.81	23.17	22.71	24.00
		MID	QPSK	22.53	22.71	22.67	24.00
		HIGH	QPSK	22.48	22.91	22.60	24.00
	8	LOW	QPSK	22.05	22.12	22.14	23.00
		MID	QPSK	22.34	22.34	21.98	23.00
		HIGH	QPSK	22.32	22.35	22.11	23.00
	15	LOW	QPSK	22.20	22.24	21.95	23.00
	3	LOW	Q16	22.82	22.34	22.15	23.00
		MID	Q16	22.84	22.45	22.23	23.00
		HIGH	Q16	22.57	22.35	22.04	23.00
		LOW	Q16	21.20	21.37	21.10	22.00
		MID	Q16	21.06	21.56	21.02	22.00
		HIGH	Q16	21.27	21.59	21.50	22.00
3	15	LOW	Q16	21.25	21.68	21.02	22.00
	1	LOW	64QAM	21.68	21.64	21.22	22.00
		MID	64QAM	21.68	21.35	20.95	22.00
		HIGH	64QAM	21.51	21.48	20.90	22.00
	8	LOW	64QAM	20.05	20.19	19.92	21.00
		MID	64QAM	19.96	20.74	19.85	21.00
		HIGH	64QAM	20.55	20.62	20.72	21.00
	15	LOW	64QAM	20.03	20.57	20.22	21.00

LTE B5 SENSOR ON&OFF							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power (dBm)
5	1	LOW	QPSK	22.74	23.09	22.60	24.00
		MID	QPSK	22.49	22.76	22.53	24.00
		HIGH	QPSK	22.62	22.95	22.51	24.00
	12	LOW	QPSK	22.06	22.15	22.08	23.00
		MID	QPSK	22.35	22.13	21.90	23.00
		HIGH	QPSK	22.26	22.38	21.95	23.00
	25	LOW	QPSK	22.24	22.10	22.05	23.00
5	1	LOW	Q16	22.70	22.48	22.29	23.00
		MID	Q16	22.62	22.35	22.00	23.00
		HIGH	Q16	22.66	22.09	22.10	23.00
	12	LOW	Q16	21.35	21.42	21.24	22.00
		MID	Q16	21.14	21.71	21.20	22.00
		HIGH	Q16	21.18	21.70	21.50	22.00
	25	LOW	Q16	21.30	21.58	21.02	22.00
5	1	LOW	64QAM	21.60	21.59	21.15	22.00
		MID	64QAM	21.77	21.34	20.90	22.00
		HIGH	64QAM	21.50	21.28	21.12	22.00
	12	LOW	64QAM	20.14	20.31	20.02	21.00
		MID	64QAM	20.09	20.64	19.83	21.00
		HIGH	64QAM	20.46	20.60	20.66	21.00
	25	LOW	64QAM	19.92	20.56	20.01	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power (dBm)
10	1	LOW	QPSK	22.66	23.04	22.57	24.00
		MID	QPSK	22.57	22.86	22.55	24.00
		HIGH	QPSK	22.52	22.87	22.45	24.00
	25	LOW	QPSK	22.20	22.24	22.09	23.00
		MID	QPSK	22.22	22.22	22.04	23.00
		HIGH	QPSK	22.35	22.31	21.97	23.00
50	LOW	QPSK	22.23	22.17	22.03	23.00	
10	1	LOW	Q16	22.81	22.47	22.22	23.00
		MID	Q16	22.72	22.33	22.08	23.00
		HIGH	Q16	22.65	22.24	21.96	23.00
	25	LOW	Q16	21.28	21.31	21.14	22.00
		MID	Q16	21.18	21.66	21.08	22.00
		HIGH	Q16	21.31	21.65	21.52	22.00
50	LOW	Q16	21.21	21.62	21.04	22.00	
10	1	LOW	64QAM	21.74	21.56	21.12	22.00
		MID	64QAM	21.83	21.31	20.98	22.00
		HIGH	64QAM	21.57	21.38	21.02	22.00
	25	LOW	64QAM	20.18	20.22	20.03	21.00
		MID	64QAM	20.11	20.63	19.96	21.00
		HIGH	64QAM	20.40	20.58	20.58	21.00
50	LOW	64QAM	20.06	20.66	20.08	21.00	

LTE B7 SENSOR ON							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	15.92	14.59	15.91	16.00
		MID	QPSK	15.14	14.47	14.97	16.00
		HIGH	QPSK	15.09	14.87	15.06	16.00
	12	LOW	QPSK	14.96	14.36	15.00	15.00
		MID	QPSK	14.84	13.96	14.82	15.00
		HIGH	QPSK	14.84	14.40	14.50	15.00
	25	LOW	QPSK	14.97	14.20	14.73	15.00
5	1	LOW	Q16	14.43	14.66	14.99	15.00
		MID	Q16	14.87	14.14	14.93	15.00
		HIGH	Q16	14.49	14.71	14.96	15.00
	12	LOW	Q16	13.82	13.48	13.90	14.00
		MID	Q16	13.57	13.29	13.44	14.00
		HIGH	Q16	13.92	13.16	13.29	14.00
	25	LOW	Q16	13.91	13.17	13.63	14.00
5	1	LOW	64QAM	13.52	13.97	13.93	14.00
		MID	64QAM	13.86	13.20	13.14	14.00
		HIGH	64QAM	13.43	13.75	13.14	14.00
	12	LOW	64QAM	12.89	12.39	12.92	13.00
		MID	64QAM	12.57	12.22	12.34	13.00
		HIGH	64QAM	12.82	12.31	12.69	13.00
	25	LOW	64QAM	13.00	12.21	12.62	13.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	15.86	14.96	15.93	16.00
		MID	QPSK	15.18	14.53	14.98	16.00
		HIGH	QPSK	15.98	14.69	14.81	16.00
	25	LOW	QPSK	14.98	14.33	14.30	15.00
		MID	QPSK	14.94	13.93	14.48	15.00
		HIGH	QPSK	14.87	14.13	14.57	15.00
50	LOW	QPSK	14.87	14.13	14.55	15.00	
10	1	LOW	Q16	14.41	14.87	14.18	15.00
		MID	Q16	14.82	14.45	14.86	15.00
		HIGH	Q16	14.43	14.70	14.98	15.00
	25	LOW	Q16	13.81	13.30	13.95	14.00
		MID	Q16	13.86	13.15	13.60	14.00
		HIGH	Q16	13.89	13.21	13.44	14.00
50	LOW	Q16	13.88	13.22	13.81	14.00	
10	1	LOW	64QAM	13.29	13.80	13.80	14.00
		MID	64QAM	13.94	13.40	13.16	14.00
		HIGH	64QAM	13.34	13.50	13.25	14.00
	25	LOW	64QAM	12.90	12.32	12.85	13.00
		MID	64QAM	12.49	12.16	12.69	13.00
		HIGH	64QAM	12.85	12.50	12.47	13.00
	50	LOW	64QAM	12.80	12.36	12.54	13.00

LTE B7 SENSOR ON							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	15.85	14.73	15.85	16.00
		MID	QPSK	15.12	14.59	14.96	16.00
		HIGH	QPSK	15.30	14.91	15.03	16.00
	36	LOW	QPSK	14.90	14.37	14.89	15.00
		MID	QPSK	14.94	13.96	14.68	15.00
		HIGH	QPSK	14.90	14.36	14.44	15.00
75	LOW	QPSK	14.97	14.26	14.75	15.00	
15	1	LOW	Q16	14.32	14.72	14.95	15.00
		MID	Q16	14.76	14.29	14.90	15.00
		HIGH	Q16	14.37	14.71	14.95	15.00
	36	LOW	Q16	13.86	13.38	13.97	14.00
		MID	Q16	13.69	13.21	13.48	14.00
		HIGH	Q16	13.98	13.23	13.41	14.00
75	LOW	Q16	13.99	13.28	13.73	14.00	
15	1	LOW	64QAM	13.43	13.83	13.92	14.00
		MID	64QAM	13.88	13.33	12.99	14.00
		HIGH	64QAM	13.44	13.65	13.28	14.00
	36	LOW	64QAM	12.95	12.40	12.81	13.00
		MID	64QAM	12.50	12.35	12.47	13.00
		HIGH	64QAM	12.76	12.33	12.64	13.00
75	LOW	64QAM	12.97	12.22	12.71	13.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	15.82	14.86	15.84	16.00
		MID	QPSK	15.22	14.53	14.92	16.00
		HIGH	QPSK	15.83	14.79	14.89	16.00
	50	LOW	QPSK	14.98	14.26	14.97	15.00
		MID	QPSK	14.85	14.08	14.57	15.00
		HIGH	QPSK	14.93	14.21	14.45	15.00
100	LOW	QPSK	14.92	14.22	14.70	15.00	
20	1	LOW	Q16	14.38	14.79	14.92	15.00
		MID	Q16	14.91	14.40	14.98	15.00
		HIGH	Q16	14.38	14.74	14.89	15.00
	50	LOW	Q16	13.92	13.33	13.93	14.00
		MID	Q16	13.71	13.16	13.57	14.00
		HIGH	Q16	13.95	13.28	13.42	14.00
100	LOW	Q16	13.90	13.31	13.67	14.00	
20	1	LOW	64QAM	13.38	13.85	13.93	14.00
		MID	64QAM	13.80	13.28	13.12	14.00
		HIGH	64QAM	13.38	13.65	13.28	14.00
	50	LOW	64QAM	12.80	12.41	12.96	13.00
		MID	64QAM	12.63	12.23	12.60	13.00
		HIGH	64QAM	12.90	12.35	12.51	13.00
100	LOW	64QAM	12.69	12.22	12.60	13.00	

LTE B7 SENSOR OFF							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	23.02	23.07	22.83	24.00
		MID	QPSK	23.01	22.85	22.77	24.00
		HIGH	QPSK	22.81	22.80	22.97	24.00
	12	LOW	QPSK	22.18	22.29	22.38	23.00
		MID	QPSK	22.26	22.45	22.40	23.00
		HIGH	QPSK	22.19	22.17	22.22	23.00
	25	LOW	QPSK	22.34	22.09	21.97	23.00
5	1	LOW	Q16	22.64	22.66	22.15	23.00
		MID	Q16	22.83	22.69	22.18	23.00
		HIGH	Q16	22.69	22.65	22.28	23.00
	12	LOW	Q16	21.48	21.19	21.13	22.00
		MID	Q16	21.36	21.16	21.01	22.00
		HIGH	Q16	21.24	21.31	21.44	22.00
	25	LOW	Q16	21.28	21.15	21.37	22.00
5	1	LOW	64QAM	21.68	21.66	21.01	22.00
		MID	64QAM	21.76	21.65	21.09	22.00
		HIGH	64QAM	21.67	21.76	21.20	22.00
	12	LOW	64QAM	20.20	20.52	20.26	21.00
		MID	64QAM	20.57	20.17	20.20	21.00
		HIGH	64QAM	20.51	20.01	20.02	21.00
	25	LOW	64QAM	20.10	20.00	20.42	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	22.75	22.86	22.76	24.00
		MID	QPSK	22.67	22.76	23.00	24.00
		HIGH	QPSK	22.86	22.74	23.07	24.00
	25	LOW	QPSK	22.31	22.17	22.25	23.00
		MID	QPSK	22.05	22.12	22.26	23.00
		HIGH	QPSK	22.32	22.02	22.32	23.00
	50	LOW	QPSK	22.20	22.28	22.00	23.00
10	1	LOW	Q16	22.88	22.50	22.34	23.00
		MID	Q16	22.69	22.73	22.37	23.00
		HIGH	Q16	22.86	22.79	22.44	23.00
	25	LOW	Q16	21.47	21.42	21.11	22.00
		MID	Q16	21.57	21.12	21.10	22.00
		HIGH	Q16	21.44	21.17	21.19	22.00
	50	LOW	Q16	21.37	21.29	21.26	22.00
10	1	LOW	64QAM	21.74	21.63	21.04	22.00
		MID	64QAM	21.72	21.70	21.40	22.00
		HIGH	64QAM	21.56	21.92	21.39	22.00
	25	LOW	64QAM	20.36	20.43	20.14	21.00
		MID	64QAM	20.23	20.44	20.21	21.00
		HIGH	64QAM	20.24	20.06	20.28	21.00
	50	LOW	64QAM	20.46	20.31	20.23	21.00

LTE B7 SENSOR OFF							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	22.87	22.98	22.68	24.00
		MID	QPSK	22.87	22.75	22.84	24.00
		HIGH	QPSK	22.68	22.80	22.92	24.00
	36	LOW	QPSK	22.19	22.30	22.24	23.00
		MID	QPSK	22.23	22.37	22.29	23.00
		HIGH	QPSK	22.19	22.27	22.22	23.00
15	1	LOW	Q16	22.71	22.59	22.28	23.00
		MID	Q16	22.74	22.76	22.17	23.00
		HIGH	Q16	22.80	22.74	22.23	23.00
	36	LOW	Q16	21.39	21.19	21.21	22.00
		MID	Q16	21.48	21.31	21.09	22.00
		HIGH	Q16	21.30	21.36	21.36	22.00
15	1	LOW	Q16	21.25	21.14	21.39	22.00
		MID	Q16	21.25	21.14	21.39	22.00
		HIGH	Q16	21.25	21.14	21.39	22.00
	36	LOW	Q16	21.25	21.14	21.39	22.00
		MID	Q16	21.25	21.14	21.39	22.00
		HIGH	Q16	21.25	21.14	21.39	22.00
15	1	LOW	64QAM	21.62	21.60	20.93	22.00
		MID	64QAM	21.69	21.53	21.19	22.00
		HIGH	64QAM	21.56	21.69	21.18	22.00
	36	LOW	64QAM	20.32	20.39	20.14	21.00
		MID	64QAM	20.45	20.25	20.35	21.00
		HIGH	64QAM	20.42	20.01	20.10	21.00
15	1	LOW	64QAM	20.23	20.10	20.43	21.00
		MID	64QAM	20.23	20.10	20.43	21.00
		HIGH	64QAM	20.23	20.10	20.43	21.00
	36	LOW	64QAM	20.23	20.10	20.43	21.00
		MID	64QAM	20.23	20.10	20.43	21.00
		HIGH	64QAM	20.23	20.10	20.43	21.00
20	1	LOW	QPSK	22.81	22.85	22.80	24.00
		MID	QPSK	22.77	22.84	22.87	24.00
		HIGH	QPSK	22.80	22.86	22.92	24.00
	50	LOW	QPSK	22.30	22.25	22.16	23.00
		MID	QPSK	22.18	22.23	22.16	23.00
		HIGH	QPSK	22.25	22.13	22.21	23.00
20	1	LOW	QPSK	22.20	22.16	22.09	23.00
		MID	QPSK	22.20	22.16	22.09	23.00
		HIGH	QPSK	22.20	22.16	22.09	23.00
	50	LOW	QPSK	22.20	22.16	22.09	23.00
		MID	QPSK	22.20	22.16	22.09	23.00
		HIGH	QPSK	22.20	22.16	22.09	23.00
20	1	LOW	Q16	22.77	22.59	22.19	23.00
		MID	Q16	22.74	22.67	22.28	23.00
		HIGH	Q16	22.76	22.71	22.35	23.00
	50	LOW	Q16	21.39	21.30	21.13	22.00
		MID	Q16	21.43	21.26	21.23	22.00
		HIGH	Q16	21.42	21.21	21.21	22.00
20	1	LOW	Q16	21.39	21.22	21.26	22.00
		MID	Q16	21.39	21.22	21.26	22.00
		HIGH	Q16	21.39	21.22	21.26	22.00
	50	LOW	Q16	21.39	21.22	21.26	22.00
		MID	Q16	21.39	21.22	21.26	22.00
		HIGH	Q16	21.39	21.22	21.26	22.00
20	1	LOW	64QAM	21.62	21.66	21.07	22.00
		MID	64QAM	21.77	21.60	21.28	22.00
		HIGH	64QAM	21.62	21.83	21.30	22.00
	50	LOW	64QAM	20.42	20.41	20.02	21.00
		MID	64QAM	20.35	20.36	20.35	21.00
		HIGH	64QAM	20.37	20.08	20.17	21.00
20	1	LOW	64QAM	20.38	20.21	20.31	21.00
		MID	64QAM	20.38	20.21	20.31	21.00
		HIGH	64QAM	20.38	20.21	20.31	21.00
	50	LOW	64QAM	20.38	20.21	20.31	21.00
		MID	64QAM	20.38	20.21	20.31	21.00
		HIGH	64QAM	20.38	20.21	20.31	21.00

LTE B13 SENSOR ON&OFF								
Bandwidth (MHz)	RB Size	RB offset	Modulation	23205	23230	23255	Tune-up power (dBm)	MPR (dB)
5	1	LOW	QPSK	22.52	22.61	22.51	24.00	0.0
		MID	QPSK	22.86	22.57	22.84	24.00	
		HIGH	QPSK	22.74	22.67	22.59	24.00	
	12	LOW	QPSK	22.45	22.44	22.43	23.00	1.0
		MID	QPSK	22.33	22.53	22.51	23.00	
		HIGH	QPSK	22.75	22.67	22.67	23.00	
	25	LOW	QPSK	22.39	22.40	22.49	23.00	1.0
5	1	LOW	Q16	22.65	22.60	22.61	23.00	1.0
		MID	Q16	22.85	22.18	22.94	23.00	
		HIGH	Q16	22.66	22.82	22.67	23.00	
	12	LOW	Q16	21.84	21.68	21.65	22.00	2.0
		MID	Q16	21.74	21.83	21.90	22.00	
		HIGH	Q16	21.95	21.75	21.82	22.00	
	25	LOW	Q16	21.67	21.76	21.66	22.00	2.0
5	1	LOW	64QAM	21.80	21.88	21.75	22.00	2.0
		MID	64QAM	21.67	21.71	21.72	22.00	
		HIGH	64QAM	21.15	21.98	21.82	22.00	
	12	LOW	64QAM	20.64	20.90	20.67	21.00	3.0
		MID	64QAM	20.84	20.80	20.69	21.00	
		HIGH	64QAM	20.95	20.85	20.82	21.00	
	25	LOW	64QAM	20.66	20.69	20.80	21.00	3.0
Bandwidth (MHz)	RB Size	RB offset	Modulation	/	23230	/	Tune-up power (dBm)	MPR (dB)
10	1	LOW	QPSK	/	22.65	/	24.00	0.0
		MID	QPSK	/	22.72	/	24.00	
		HIGH	QPSK	/	22.65	/	24.00	
	25	LOW	QPSK	/	22.35	/	23.00	1.0
		MID	QPSK	/	22.39	/	23.00	
		HIGH	QPSK	/	22.71	/	23.00	
10	50	LOW	QPSK	/	22.37	/	23.00	1.0
	1	LOW	Q16	/	22.72	/	23.00	1.0
		MID	Q16	/	22.87	/	23.00	
		HIGH	Q16	/	22.80	/	23.00	
	25	LOW	Q16	/	21.74	/	22.00	2.0
		MID	Q16	/	21.80	/	22.00	
		HIGH	Q16	/	21.81	/	22.00	
	50	LOW	Q16	/	21.75	/	22.00	2.0
10	1	LOW	64QAM	/	21.86	/	22.00	2.0
		MID	64QAM	/	21.73	/	22.00	
		HIGH	64QAM	/	21.91	/	22.00	
	25	LOW	64QAM	/	20.78	/	21.00	3.0
		MID	64QAM	/	20.71	/	21.00	
		HIGH	64QAM	/	20.88	/	21.00	
	50	LOW	64QAM	/	20.77	/	21.00	3.0

LTE B26 SENSOR ON&OFF							
Bandwidth (MHz)	RB Size	RB offset	Modulation	26697	26865	27033	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.60	22.77	22.67	24.00
		MID	QPSK	22.58	22.59	22.30	24.00
		HIGH	QPSK	22.58	22.71	22.37	24.00
	3	LOW	QPSK	22.25	22.18	22.12	24.00
		MID	QPSK	22.14	22.50	22.02	24.00
		HIGH	QPSK	22.19	22.18	22.03	24.00
1.4	1	LOW	QPSK	22.18	22.10	21.84	23.00
		MID	QPSK	22.18	22.10	21.84	23.00
		HIGH	QPSK	22.18	22.10	21.84	23.00
	3	LOW	QPSK	22.18	22.10	21.84	23.00
		MID	QPSK	22.18	22.10	21.84	23.00
		HIGH	QPSK	22.18	22.10	21.84	23.00
1.4	1	LOW	Q16	22.77	22.34	22.99	23.00
		MID	Q16	22.60	22.33	22.94	23.00
		HIGH	Q16	22.72	22.50	22.94	23.00
	3	LOW	Q16	21.82	21.50	21.61	23.00
		MID	Q16	21.48	21.24	21.43	23.00
		HIGH	Q16	21.83	21.55	21.04	23.00
1.4	1	LOW	Q16	21.59	21.12	21.64	22.00
		MID	Q16	21.59	21.12	21.64	22.00
		HIGH	Q16	21.59	21.12	21.64	22.00
	3	LOW	Q16	21.59	21.12	21.64	22.00
		MID	Q16	21.59	21.12	21.64	22.00
		HIGH	Q16	21.59	21.12	21.64	22.00
1.4	1	LOW	64QAM	21.91	21.36	21.89	22.00
		MID	64QAM	21.63	21.34	21.77	22.00
		HIGH	64QAM	21.61	21.30	21.77	22.00
	3	LOW	64QAM	20.82	20.68	20.55	22.00
		MID	64QAM	20.63	20.41	20.37	22.00
		HIGH	64QAM	20.76	20.55	20.00	22.00
1.4	1	LOW	64QAM	20.65	20.52	20.41	21.00
		MID	64QAM	20.65	20.52	20.41	21.00
		HIGH	64QAM	20.65	20.52	20.41	21.00
	3	LOW	64QAM	20.65	20.52	20.41	21.00
		MID	64QAM	20.65	20.52	20.41	21.00
		HIGH	64QAM	20.65	20.52	20.41	21.00
3	1	LOW	QPSK	22.87	22.78	22.53	24.00
		MID	QPSK	22.60	22.96	22.36	24.00
		HIGH	QPSK	22.77	22.83	22.43	24.00
	8	LOW	QPSK	22.44	22.21	22.09	23.00
		MID	QPSK	22.24	22.38	21.91	23.00
		HIGH	QPSK	22.38	22.13	21.93	23.00
3	1	LOW	QPSK	22.11	22.20	21.81	23.00
		MID	QPSK	22.11	22.20	21.81	23.00
		HIGH	QPSK	22.11	22.20	21.81	23.00
	8	LOW	QPSK	22.11	22.20	21.81	23.00
		MID	QPSK	22.11	22.20	21.81	23.00
		HIGH	QPSK	22.11	22.20	21.81	23.00
3	1	LOW	Q16	22.86	22.32	22.89	23.00
		MID	Q16	22.85	22.40	22.78	23.00
		HIGH	Q16	22.74	22.28	22.88	23.00
	8	LOW	Q16	21.83	21.84	21.50	22.00
		MID	Q16	21.86	21.14	21.51	22.00
		HIGH	Q16	21.82	21.71	21.11	22.00
3	1	LOW	Q16	21.75	21.26	21.41	22.00
		MID	Q16	21.75	21.26	21.41	22.00
		HIGH	Q16	21.75	21.26	21.41	22.00
	8	LOW	Q16	21.75	21.26	21.41	22.00
		MID	Q16	21.75	21.26	21.41	22.00
		HIGH	Q16	21.75	21.26	21.41	22.00
3	1	LOW	64QAM	21.86	21.30	21.66	22.00
		MID	64QAM	21.63	21.32	21.08	22.00
		HIGH	64QAM	21.61	21.39	21.78	22.00
	8	LOW	64QAM	20.67	20.66	20.38	21.00
		MID	64QAM	20.60	20.29	20.48	21.00
		HIGH	64QAM	20.73	20.50	19.97	21.00
3	1	LOW	64QAM	20.56	20.37	20.57	21.00
		MID	64QAM	20.56	20.37	20.57	21.00
		HIGH	64QAM	20.56	20.37	20.57	21.00
	8	LOW	64QAM	20.56	20.37	20.57	21.00
		MID	64QAM	20.56	20.37	20.57	21.00
		HIGH	64QAM	20.56	20.37	20.57	21.00
5	1	LOW	QPSK	22.73	22.97	22.61	24.00
		MID	QPSK	22.74	22.82	22.59	24.00
		HIGH	QPSK	22.65	22.67	22.37	24.00
	12	LOW	QPSK	22.30	22.12	22.16	23.00
		MID	QPSK	22.18	22.40	21.88	23.00
		HIGH	QPSK	22.33	22.05	21.81	23.00
5	1	LOW	QPSK	22.22	22.21	21.84	23.00
		MID	QPSK	22.22	22.21	21.84	23.00
		HIGH	QPSK	22.22	22.21	21.84	23.00
	12	LOW	QPSK	22.22	22.21	21.84	23.00
		MID	QPSK	22.22	22.21	21.84	23.00
		HIGH	QPSK	22.22	22.21	21.84	23.00
5	1	LOW	Q16	22.85	22.36	22.92	23.00
		MID	Q16	22.61	22.43	22.70	23.00
		HIGH	Q16	22.55	22.22	22.80	23.00
	12	LOW	Q16	21.69	21.76	21.50	22.00
		MID	Q16	21.62	21.29	21.45	22.00
		HIGH	Q16	21.64	21.57	20.90	22.00
5	1	LOW	Q16	21.64	21.39	21.39	22.00
		MID	Q16	21.64	21.39	21.39	22.00
		HIGH	Q16	21.64	21.39	21.39	22.00
	12	LOW	Q16	21.64	21.39	21.39	22.00
		MID	Q16	21.64	21.39	21.39	22.00
		HIGH	Q16	21.64	21.39	21.39	22.00
5	1	LOW	64QAM	21.75	21.52	21.64	22.00
		MID	64QAM	21.83	21.42	21.81	22.00
		HIGH	64QAM	21.77	21.10	21.71	22.00
	12	LOW	64QAM	20.70	20.77	20.49	21.00
		MID	64QAM	20.72	20.35	20.48	21.00
		HIGH	64QAM	20.77	20.41	19.96	21.00
5	1	LOW	64QAM	20.76	20.37	20.37	21.00
		MID	64QAM	20.76	20.37	20.37	21.00
		HIGH	64QAM	20.76	20.37	20.37	21.00
	12	LOW	64QAM	20.76	20.37	20.37	21.00
		MID	64QAM	20.76	20.37	20.37	21.00
		HIGH	64QAM	20.76	20.37	20.37	21.00

LTE B26 SENSOR ON&OFF						
RB Size	RB offset	Modulation	26740	26865	26990	Tune-up power(dB m)
1	LOW	QPSK	22.67	22.77	22.71	24.00
	MID	QPSK	22.66	22.69	22.42	24.00
	HIGH	QPSK	22.73	22.60	22.29	24.00
25	LOW	QPSK	22.32	22.26	22.07	23.00
	MID	QPSK	22.24	22.39	21.98	23.00
	HIGH	QPSK	22.33	22.12	21.83	23.00
50	LOW	QPSK	22.23	22.08	21.93	23.00
1	LOW	Q16	22.85	22.45	22.93	23.00
	MID	Q16	22.60	22.36	22.81	23.00
	HIGH	Q16	22.65	22.38	22.86	23.00
25	LOW	Q16	21.83	21.63	21.68	22.00
	MID	Q16	21.62	21.34	21.58	22.00
	HIGH	Q16	21.82	21.59	21.10	22.00
50	LOW	Q16	21.51	21.22	21.50	22.00
1	LOW	64QAM	21.88	21.25	21.75	22.00
	MID	64QAM	21.58	21.32	21.74	22.00
	HIGH	64QAM	21.75	21.29	21.90	22.00
25	LOW	64QAM	20.77	20.66	20.58	21.00
	MID	64QAM	20.68	20.40	20.43	21.00
	HIGH	64QAM	20.67	20.41	19.99	21.00
50	LOW	64QAM	20.79	20.53	20.35	21.00
RB Size	RB offset	Modulation	26765	26865	26965	Tune-up power(dB m)
1	LOW	QPSK	22.78	22.87	22.63	24.00
	MID	QPSK	22.70	22.81	22.44	24.00
	HIGH	QPSK	22.69	22.73	22.29	24.00
36	LOW	QPSK	22.42	22.16	22.03	23.00
	MID	QPSK	22.25	22.25	22.02	23.00
	HIGH	QPSK	22.32	22.17	21.90	23.00
75	LOW	QPSK	22.24	22.22	21.95	23.00
1	LOW	Q16	22.81	22.39	22.99	23.00
	MID	Q16	22.74	22.38	22.78	23.00
	HIGH	Q16	22.69	22.34	22.76	23.00
36	LOW	Q16	21.69	21.72	21.53	22.00
	MID	Q16	21.71	21.29	21.47	22.00
	HIGH	Q16	21.73	21.63	20.98	22.00
75	LOW	Q16	21.65	21.33	21.51	22.00
1	LOW	64QAM	21.75	21.38	21.78	22.00
	MID	64QAM	21.72	21.28	21.88	22.00
	HIGH	64QAM	21.70	21.25	21.80	22.00
36	LOW	64QAM	20.72	20.66	20.45	21.00
	MID	64QAM	20.74	20.37	20.58	21.00
	HIGH	64QAM	20.76	20.49	19.96	21.00
75	LOW	64QAM	20.69	20.45	20.43	21.00

LTE B66 SENSOR ON							
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)
1.4	1	LOW	QPSK	17.37	17.83	17.75	19.00
		MID	QPSK	17.32	17.05	17.32	19.00
		HIGH	QPSK	17.97	18.23	17.90	19.00
	3	LOW	QPSK	17.23	17.10	17.48	19.00
		MID	QPSK	17.15	17.13	17.15	19.00
		HIGH	QPSK	17.39	17.30	17.41	19.00
	6	LOW	QPSK	17.35	17.14	17.23	18.00
1.4	1	LOW	Q16	16.38	16.39	16.16	18.00
		MID	Q16	16.21	16.13	16.19	18.00
		HIGH	Q16	16.01	16.14	16.37	18.00
	3	LOW	Q16	16.15	16.02	16.41	18.00
		MID	Q16	16.13	16.05	16.02	18.00
		HIGH	Q16	16.30	16.04	16.42	18.00
	6	LOW	Q16	16.04	16.20	16.36	17.00
1.4	1	LOW	64QAM	15.33	15.32	15.45	17.00
		MID	64QAM	15.21	15.34	15.10	17.00
		HIGH	64QAM	15.03	15.08	15.10	17.00
	3	LOW	64QAM	15.00	15.02	15.49	17.00
		MID	64QAM	15.07	15.03	15.02	17.00
		HIGH	64QAM	15.17	15.02	15.32	17.00
	6	LOW	64QAM	15.25	15.05	15.14	16.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
3	1	LOW	QPSK	17.21	17.97	17.87	19.00
		MID	QPSK	17.50	17.19	17.36	19.00
		HIGH	QPSK	17.95	18.22	17.76	19.00
	8	LOW	QPSK	17.10	17.19	17.38	18.00
		MID	QPSK	16.90	16.89	17.18	18.00
		HIGH	QPSK	17.44	17.16	17.41	18.00
	15	LOW	QPSK	17.20	17.21	17.28	18.00
3	1	LOW	Q16	16.39	16.20	16.33	18.00
		MID	Q16	16.32	16.33	16.30	18.00
		HIGH	Q16	16.19	16.15	16.38	18.00
	8	LOW	Q16	15.90	16.04	16.30	17.00
		MID	Q16	16.10	15.77	16.12	17.00
		HIGH	Q16	16.32	16.09	16.27	17.00
	15	LOW	Q16	16.22	15.98	16.23	17.00
3	1	LOW	64QAM	15.17	15.18	15.53	17.00
		MID	64QAM	15.47	15.23	15.25	17.00
		HIGH	64QAM	15.06	15.08	15.17	17.00
	8	LOW	64QAM	15.21	15.04	15.17	16.00
		MID	64QAM	14.89	15.00	15.21	16.00
		HIGH	64QAM	15.05	15.11	15.12	16.00
	15	LOW	64QAM	15.27	15.17	15.42	16.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5	1	LOW	QPSK	17.10	17.96	17.85	19.00
		MID	QPSK	17.33	17.32	17.50	19.00
		HIGH	QPSK	17.99	18.17	17.78	19.00
	12	LOW	QPSK	17.11	17.18	17.18	18.00
		MID	QPSK	17.06	16.86	17.25	18.00
		HIGH	QPSK	17.20	17.12	17.41	18.00
	25	LOW	QPSK	17.14	17.18	17.39	18.00
5	1	LOW	Q16	16.28	16.39	16.17	18.00
		MID	Q16	16.25	16.18	16.36	18.00
		HIGH	Q16	16.12	16.20	16.42	18.00
	12	LOW	Q16	16.11	16.13	16.33	17.00
		MID	Q16	15.85	15.90	15.99	17.00
		HIGH	Q16	16.30	16.16	16.44	17.00
	25	LOW	Q16	16.04	16.20	16.25	17.00
5	1	LOW	64QAM	15.35	15.10	15.56	17.00
		MID	64QAM	15.32	15.07	15.30	17.00
		HIGH	64QAM	15.21	15.22	15.25	17.00
	12	LOW	64QAM	15.28	15.20	15.00	16.00
		MID	64QAM	14.97	14.94	15.11	16.00
		HIGH	64QAM	15.19	15.33	15.28	16.00
	25	LOW	64QAM	14.99	15.07	15.42	16.00

LTE B66 SENSOR ON								
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)	
10	1	LOW	QPSK	17.30	17.89	17.97	19.00	
		MID	QPSK	17.38	17.20	17.26	19.00	
		HIGH	QPSK	17.84	17.98	17.88	19.00	
	25	LOW	QPSK	17.20	17.06	17.42	18.00	
		MID	QPSK	16.96	16.98	17.11	18.00	
		HIGH	QPSK	17.43	17.33	17.48	18.00	
	50	LOW	QPSK	17.20	17.19	17.35	18.00	
	10	1	LOW	Q16	16.43	16.14	16.46	18.00
			MID	Q16	16.26	16.31	16.19	18.00
HIGH			Q16	16.00	16.08	16.33	18.00	
25		LOW	Q16	15.97	16.15	16.40	17.00	
		MID	Q16	15.98	15.78	16.21	17.00	
		HIGH	Q16	16.15	16.12	16.22	17.00	
50		LOW	Q16	16.09	16.02	16.32	17.00	
10		1	LOW	64QAM	15.23	15.21	15.55	17.00
			MID	64QAM	15.47	15.03	15.54	17.00
	HIGH		64QAM	15.16	15.18	15.21	17.00	
	25	LOW	64QAM	15.23	15.03	15.26	16.00	
		MID	64QAM	14.92	14.98	15.04	16.00	
		HIGH	64QAM	15.20	15.28	15.19	16.00	
	50	LOW	64QAM	15.26	15.24	15.46	16.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dBm)
	15	1	LOW	QPSK	17.25	17.98	17.82	19.00
MID			QPSK	17.44	17.17	17.25	19.00	
HIGH			QPSK	18.01	18.04	17.80	19.00	
36		LOW	QPSK	17.13	17.24	17.41	18.00	
		MID	QPSK	17.13	17.00	17.06	18.00	
		HIGH	QPSK	17.25	17.28	17.41	18.00	
75		LOW	QPSK	17.27	17.29	17.48	18.00	
15		1	LOW	Q16	16.27	16.21	16.39	18.00
			MID	Q16	16.45	16.14	16.26	18.00
	HIGH		Q16	16.09	16.21	16.25	18.00	
	36	LOW	Q16	16.06	16.17	16.14	17.00	
		MID	Q16	16.05	15.84	16.25	17.00	
		HIGH	Q16	16.39	16.07	16.20	17.00	
	75	LOW	Q16	16.08	16.16	16.43	17.00	
	15	1	LOW	64QAM	15.27	15.13	15.45	17.00
			MID	64QAM	15.49	15.06	15.29	17.00
HIGH			64QAM	15.06	15.02	15.31	17.00	
36		LOW	64QAM	15.10	15.06	15.18	16.00	
		MID	64QAM	14.92	14.85	14.96	16.00	
		HIGH	64QAM	15.03	15.17	15.20	16.00	
75		LOW	64QAM	15.25	15.12	15.33	16.00	
Bandwidth (MHz)		RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dBm)
20		1	LOW	QPSK	17.25	17.92	17.84	19.00
	MID		QPSK	17.39	17.20	17.40	19.00	
	HIGH		QPSK	17.87	18.08	18.05	19.00	
	50	LOW	QPSK	17.08	17.14	17.33	18.00	
		MID	QPSK	17.04	16.88	17.17	18.00	
		HIGH	QPSK	17.35	17.20	17.37	18.00	
	100	LOW	QPSK	17.20	17.14	17.34	18.00	
	20	1	LOW	Q16	16.33	16.24	16.31	18.00
			MID	Q16	16.35	16.27	16.33	18.00
HIGH			Q16	16.06	16.05	16.32	18.00	
50		LOW	Q16	16.02	16.05	16.27	17.00	
		MID	Q16	15.99	15.84	16.11	17.00	
		HIGH	Q16	16.29	16.13	16.31	17.00	
100		LOW	Q16	16.13	16.05	16.29	17.00	
20		1	LOW	64QAM	15.25	15.20	15.43	17.00
			MID	64QAM	15.35	15.18	15.40	17.00
	HIGH		64QAM	15.18	15.09	15.22	17.00	
	50	LOW	64QAM	15.14	15.17	15.13	16.00	
		MID	64QAM	14.84	14.87	15.10	16.00	
		HIGH	64QAM	15.17	15.18	15.25	16.00	
	100	LOW	64QAM	15.14	15.11	15.39	16.00	

LTE B66 SENSOR OFF							
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.81	22.88	22.79	24.00
		MID	QPSK	22.77	23.09	22.86	24.00
		HIGH	QPSK	22.78	23.18	22.99	24.00
	3	LOW	QPSK	22.21	22.26	22.53	24.00
		MID	QPSK	22.44	22.45	22.18	24.00
		HIGH	QPSK	22.27	22.38	22.28	24.00
6	LOW	QPSK	22.37	22.43	22.28	23.00	
1.4	1	LOW	Q16	22.39	21.82	22.51	23.00
		MID	Q16	22.60	22.10	22.42	23.00
		HIGH	Q16	22.50	21.97	22.41	23.00
	3	LOW	Q16	21.42	21.34	21.29	23.00
		MID	Q16	21.39	21.34	21.25	23.00
		HIGH	Q16	21.38	21.41	21.68	23.00
6	LOW	Q16	21.39	21.28	21.42	22.00	
1.4	1	LOW	64QAM	21.31	20.70	21.16	22.00
		MID	64QAM	21.45	21.22	21.55	22.00
		HIGH	64QAM	21.55	21.03	21.64	22.00
	3	LOW	64QAM	20.09	20.27	20.24	22.00
		MID	64QAM	20.38	20.34	20.32	22.00
		HIGH	64QAM	20.29	20.41	20.79	22.00
6	LOW	64QAM	20.48	20.24	20.46	21.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
3	1	LOW	QPSK	22.86	22.84	22.88	24.00
		MID	QPSK	22.98	23.19	22.84	24.00
		HIGH	QPSK	22.79	23.16	22.95	24.00
	8	LOW	QPSK	22.21	22.30	22.35	23.00
		MID	QPSK	22.41	22.39	22.32	23.00
		HIGH	QPSK	22.12	22.18	22.51	23.00
15	LOW	QPSK	22.16	22.46	22.42	23.00	
3	1	LOW	Q16	22.53	22.01	22.44	23.00
		MID	Q16	22.67	22.20	22.33	23.00
		HIGH	Q16	22.60	21.91	22.61	23.00
	8	LOW	Q16	21.40	21.39	21.15	22.00
		MID	Q16	21.29	21.53	21.45	22.00
		HIGH	Q16	21.43	21.57	21.74	22.00
15	LOW	Q16	21.50	21.39	21.46	22.00	
3	1	LOW	64QAM	21.50	20.97	21.62	22.00
		MID	64QAM	21.53	20.89	21.37	22.00
		HIGH	64QAM	21.80	20.85	21.39	22.00
	8	LOW	64QAM	20.22	20.52	20.39	21.00
		MID	64QAM	20.29	20.29	20.16	21.00
		HIGH	64QAM	20.29	20.62	20.65	21.00
15	LOW	64QAM	20.52	20.16	20.50	21.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5	1	LOW	QPSK	22.72	23.00	23.05	24.00
		MID	QPSK	22.70	23.01	22.86	24.00
		HIGH	QPSK	23.02	23.07	23.22	24.00
	12	LOW	QPSK	22.39	22.18	22.37	23.00
		MID	QPSK	22.21	22.30	22.47	23.00
		HIGH	QPSK	22.11	22.27	22.39	23.00
25	LOW	QPSK	22.33	22.55	22.37	23.00	
5	1	LOW	Q16	22.61	21.92	22.40	23.00
		MID	Q16	22.54	22.16	22.39	23.00
		HIGH	Q16	22.67	21.93	22.57	23.00
	12	LOW	Q16	21.26	21.23	21.43	22.00
		MID	Q16	21.34	21.23	21.28	22.00
		HIGH	Q16	21.41	21.37	21.63	22.00
25	LOW	Q16	21.47	21.28	21.55	22.00	
5	1	LOW	64QAM	21.73	20.84	21.54	22.00
		MID	64QAM	21.77	20.89	21.52	22.00
		HIGH	64QAM	21.63	21.00	21.47	22.00
	12	LOW	64QAM	20.20	20.40	20.41	21.00
		MID	64QAM	20.31	20.52	20.16	21.00
		HIGH	64QAM	20.30	20.43	20.57	21.00
25	LOW	64QAM	20.59	20.43	20.41	21.00	

LTE B66 SENSOR OFF							
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)
10	1	LOW	QPSK	22.70	22.95	22.95	24.00
		MID	QPSK	22.85	23.26	23.02	24.00
		HIGH	QPSK	23.02	23.04	23.05	24.00
	25	LOW	QPSK	22.26	22.26	22.25	23.00
		MID	QPSK	22.40	22.42	22.28	23.00
		HIGH	QPSK	22.10	22.27	22.47	23.00
10	1	LOW	QPSK	22.19	22.43	22.39	23.00
		LOW	Q16	22.46	21.76	22.51	23.00
		MID	Q16	22.58	22.18	22.46	23.00
	25	HIGH	Q16	22.44	21.89	22.62	23.00
		LOW	Q16	21.37	21.43	21.32	22.00
		MID	Q16	21.47	21.50	21.36	22.00
10	1	HIGH	Q16	21.54	21.48	21.70	22.00
		LOW	Q16	21.42	21.47	21.49	22.00
	25	LOW	64QAM	21.65	20.99	21.41	22.00
		MID	64QAM	21.68	20.91	21.36	22.00
		HIGH	64QAM	21.65	20.92	21.43	22.00
	50	LOW	64QAM	20.10	20.55	20.49	21.00
Bandwidth (MHz)	15	MID	64QAM	20.26	20.56	20.32	21.00
		HIGH	64QAM	20.35	20.58	20.66	21.00
		LOW	64QAM	20.53	20.40	20.48	21.00
	15	LOW	QPSK	22.74	23.03	22.84	24.00
		MID	QPSK	22.79	23.20	22.96	24.00
		HIGH	QPSK	22.79	23.04	22.96	24.00
	36	LOW	QPSK	22.17	22.22	22.45	23.00
		MID	QPSK	22.43	22.47	22.34	23.00
		HIGH	QPSK	22.12	22.34	22.47	23.00
	75	LOW	QPSK	22.40	22.35	22.34	23.00
		LOW	Q16	22.51	21.80	22.25	23.00
		MID	Q16	22.60	21.98	22.43	23.00
	15	HIGH	Q16	22.64	21.92	22.59	23.00
		LOW	Q16	21.33	21.47	21.16	22.00
		MID	Q16	21.37	21.50	21.47	22.00
	36	HIGH	Q16	21.55	21.32	21.65	22.00
		LOW	Q16	21.34	21.39	21.49	22.00
	15	LOW	64QAM	21.66	20.97	21.60	22.00
		MID	64QAM	21.64	21.09	21.50	22.00
		HIGH	64QAM	21.76	21.00	21.32	22.00
	36	LOW	64QAM	20.39	20.30	20.21	21.00
		MID	64QAM	20.19	20.30	20.27	21.00
		HIGH	64QAM	20.22	20.60	20.53	21.00
	75	LOW	64QAM	20.37	20.25	20.65	21.00
	20	LOW	QPSK	22.81	22.94	22.91	24.00
		MID	QPSK	22.84	23.11	22.93	24.00
		HIGH	QPSK	22.90	23.07	23.08	24.00
	50	LOW	QPSK	22.27	22.27	22.40	23.00
		MID	QPSK	22.31	22.39	22.33	23.00
		HIGH	QPSK	22.24	22.26	22.37	23.00
	100	LOW	QPSK	22.26	22.40	22.37	23.00
		LOW	Q16	22.46	21.90	22.37	23.00
		MID	Q16	22.56	22.09	22.48	23.00
	20	HIGH	Q16	22.53	22.03	22.53	23.00
		LOW	Q16	21.31	21.33	21.30	22.00
		MID	Q16	21.34	21.38	21.36	22.00
	50	HIGH	Q16	21.41	21.43	21.65	22.00
		LOW	Q16	21.38	21.34	21.44	22.00
	100	LOW	64QAM	21.58	20.84	21.48	22.00
		MID	64QAM	21.64	20.97	21.40	22.00
		HIGH	64QAM	21.68	20.90	21.40	22.00
	20	LOW	64QAM	20.24	20.40	20.35	21.00
		MID	64QAM	20.34	20.41	20.26	21.00
		HIGH	64QAM	20.31	20.54	20.58	21.00
	50	LOW	64QAM	20.49	20.30	20.53	21.00

LTE B38 SENSOR ON							
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)
5	1	LOW	QPSK	14.66	14.41	14.53	16.00
		MID	QPSK	14.26	14.13	14.47	16.00
		HIGH	QPSK	14.35	14.13	14.28	16.00
	12	LOW	QPSK	13.48	13.68	13.64	15.00
		MID	QPSK	13.78	13.64	13.64	15.00
		HIGH	QPSK	13.42	13.44	13.62	15.00
	25	LOW	QPSK	13.44	13.43	13.72	15.00
5	1	LOW	Q16	13.27	13.32	13.26	15.00
		MID	Q16	13.60	14.00	13.57	15.00
		HIGH	Q16	13.30	13.15	13.09	15.00
	12	LOW	Q16	12.66	12.63	12.76	14.00
		MID	Q16	12.71	12.82	13.02	14.00
		HIGH	Q16	12.57	12.56	12.61	14.00
	25	LOW	Q16	12.87	12.62	12.64	14.00
5	1	LOW	64QAM	12.15	12.49	12.15	14.00
		MID	64QAM	12.51	12.64	12.93	14.00
		HIGH	64QAM	12.05	12.00	12.11	14.00
	12	LOW	64QAM	11.61	11.78	11.78	13.00
		MID	64QAM	11.94	11.91	11.80	13.00
		HIGH	64QAM	11.61	11.69	11.61	13.00
	25	LOW	64QAM	11.78	11.78	11.69	13.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
10	1	LOW	QPSK	14.49	14.32	14.34	16.00
		MID	QPSK	14.31	14.17	14.48	16.00
		HIGH	QPSK	14.20	14.35	14.26	16.00
	25	LOW	QPSK	13.48	13.77	13.52	15.00
		MID	QPSK	13.55	13.65	13.68	15.00
		HIGH	QPSK	13.48	13.43	13.70	15.00
50	LOW	QPSK	13.69	13.55	13.59	15.00	
10	1	LOW	Q16	13.08	13.40	13.32	15.00
		MID	Q16	13.60	13.89	13.57	15.00
		HIGH	Q16	13.02	13.21	13.05	15.00
	25	LOW	Q16	12.55	12.62	12.71	14.00
		MID	Q16	12.72	12.97	12.89	14.00
		HIGH	Q16	12.83	12.70	12.66	14.00
50	LOW	Q16	12.79	12.76	12.71	14.00	
10	1	LOW	64QAM	12.16	12.12	12.11	14.00
		MID	64QAM	12.55	12.72	12.66	14.00
		HIGH	64QAM	12.16	12.38	12.13	14.00
	25	LOW	64QAM	11.64	11.55	11.62	13.00
		MID	64QAM	11.74	11.77	11.93	13.00
		HIGH	64QAM	11.57	11.79	11.82	13.00
	50	LOW	64QAM	11.96	11.81	11.85	13.00

LTE B38 SENSOR ON							
Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)
15	1	LOW	QPSK	14.56	14.19	14.31	16.00
		MID	QPSK	14.38	14.11	14.41	16.00
		HIGH	QPSK	14.34	14.37	14.39	16.00
	36	LOW	QPSK	13.48	13.64	13.76	15.00
		MID	QPSK	13.72	13.82	13.85	15.00
		HIGH	QPSK	13.46	13.63	13.59	15.00
	75	LOW	QPSK	13.68	13.48	13.67	15.00
15	1	LOW	Q16	13.12	13.54	13.08	15.00
		MID	Q16	13.84	13.91	13.66	15.00
		HIGH	Q16	13.02	13.13	13.09	15.00
	36	LOW	Q16	12.67	12.77	12.81	14.00
		MID	Q16	12.83	12.75	13.03	14.00
		HIGH	Q16	12.82	12.70	12.61	14.00
	75	LOW	Q16	12.73	12.73	12.80	14.00
15	1	LOW	64QAM	12.30	12.16	12.06	14.00
		MID	64QAM	12.53	12.92	12.53	14.00
		HIGH	64QAM	12.16	12.53	12.08	14.00
	36	LOW	64QAM	11.65	11.54	11.67	13.00
		MID	64QAM	11.99	11.83	11.91	13.00
		HIGH	64QAM	11.59	11.71	11.65	13.00
	75	LOW	64QAM	11.96	11.70	11.67	13.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
20	1	LOW	QPSK	14.52	14.33	14.53	16.00
		MID	QPSK	14.36	14.26	14.35	16.00
		HIGH	QPSK	14.35	14.25	14.26	16.00
	50	LOW	QPSK	13.51	13.62	13.63	15.00
		MID	QPSK	13.69	13.73	13.78	15.00
		HIGH	QPSK	13.54	13.52	13.59	15.00
	100	LOW	QPSK	13.54	13.58	13.62	15.00
20	1	LOW	Q16	13.13	13.39	13.19	15.00
		MID	Q16	13.72	13.86	13.71	15.00
		HIGH	Q16	13.16	13.25	13.10	15.00
	50	LOW	Q16	12.68	12.74	12.79	14.00
		MID	Q16	12.85	12.85	12.93	14.00
		HIGH	Q16	12.69	12.65	12.74	14.00
	100	LOW	Q16	12.76	12.65	12.76	14.00
20	1	LOW	64QAM	12.24	12.26	12.11	14.00
		MID	64QAM	12.59	12.84	12.56	14.00
		HIGH	64QAM	12.27	12.39	12.07	14.00
	50	LOW	64QAM	11.78	11.60	11.66	13.00
		MID	64QAM	11.86	11.91	11.97	13.00
		HIGH	64QAM	11.62	11.68	11.75	13.00
	100	LOW	64QAM	11.87	11.80	11.74	13.00

LTE B38 SENSOR OFF							
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)
5	1	LOW	QPSK	22.92	23.04	23.18	24.00
		MID	QPSK	22.88	23.00	23.08	24.00
		HIGH	QPSK	22.90	23.03	23.20	24.00
	12	LOW	QPSK	22.43	22.48	22.49	23.00
		MID	QPSK	22.33	22.41	22.49	23.00
		HIGH	QPSK	22.44	22.36	22.45	23.00
	25	LOW	QPSK	22.42	22.42	22.47	23.00
5	1	LOW	Q16	21.84	22.53	21.60	23.00
		MID	Q16	21.80	22.50	21.61	23.00
		HIGH	Q16	21.84	22.57	21.67	23.00
	12	LOW	Q16	21.27	21.54	21.48	22.00
		MID	Q16	21.27	21.52	21.52	22.00
		HIGH	Q16	21.29	21.47	21.54	22.00
	25	LOW	Q16	21.52	21.47	21.65	22.00
5	1	LOW	64QAM	20.88	20.54	21.87	22.00
		MID	64QAM	21.02	20.67	21.78	22.00
		HIGH	64QAM	21.04	21.02	21.98	22.00
	12	LOW	64QAM	20.45	20.46	20.63	21.00
		MID	64QAM	20.35	20.40	20.48	21.00
		HIGH	64QAM	20.39	20.24	20.55	21.00
	25	LOW	64QAM	20.57	20.78	20.46	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
10	1	LOW	QPSK	23.07	22.73	22.93	24.00
		MID	QPSK	23.04	22.80	23.18	24.00
		HIGH	QPSK	22.83	22.92	23.25	24.00
	25	LOW	QPSK	22.41	22.38	22.42	23.00
		MID	QPSK	22.29	22.35	22.43	23.00
		HIGH	QPSK	22.39	22.54	22.43	23.00
50	LOW	QPSK	22.46	22.33	22.36	23.00	
10	1	LOW	Q16	22.05	21.67	22.86	23.00
		MID	Q16	21.81	21.82	22.74	23.00
		HIGH	Q16	21.74	21.73	22.82	23.00
	25	LOW	Q16	21.55	21.50	21.56	22.00
		MID	Q16	21.39	21.28	21.46	22.00
		HIGH	Q16	21.44	21.51	21.71	22.00
50	LOW	Q16	21.36	21.50	21.42	22.00	
10	1	LOW	64QAM	21.08	20.73	21.07	22.00
		MID	64QAM	20.92	20.64	21.75	22.00
		HIGH	64QAM	21.07	20.98	21.87	22.00
	25	LOW	64QAM	20.56	20.22	20.65	21.00
		MID	64QAM	20.26	20.45	20.40	21.00
		HIGH	64QAM	20.59	20.37	20.81	21.00
	50	LOW	64QAM	20.72	20.54	20.70	21.00

LTE B38 SENSOR OFF							
Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)
15	1	LOW	QPSK	22.89	22.61	23.08	24.00
		MID	QPSK	23.09	22.81	23.06	24.00
		HIGH	QPSK	22.86	22.81	23.31	24.00
	36	LOW	QPSK	22.43	22.34	22.29	23.00
		MID	QPSK	22.33	22.61	22.19	23.00
		HIGH	QPSK	22.49	22.40	22.60	23.00
15	1	LOW	Q16	21.77	21.66	22.93	23.00
		MID	Q16	21.87	21.78	22.82	23.00
		HIGH	Q16	21.99	21.90	22.79	23.00
	36	LOW	Q16	21.39	21.28	21.41	22.00
		MID	Q16	21.47	21.50	21.66	22.00
		HIGH	Q16	21.39	21.30	21.60	22.00
15	1	LOW	64QAM	21.10	20.65	21.05	22.00
		MID	64QAM	21.04	20.85	21.89	22.00
		HIGH	64QAM	21.02	21.07	21.87	22.00
	36	LOW	64QAM	20.69	20.43	20.42	21.00
		MID	64QAM	20.26	20.57	20.58	21.00
		HIGH	64QAM	20.66	20.36	20.82	21.00
15	1	LOW	64QAM	20.70	20.55	20.45	21.00
		MID	64QAM	20.70	20.55	20.45	21.00
		HIGH	64QAM	20.70	20.55	20.45	21.00
	36	LOW	64QAM	20.70	20.55	20.45	21.00
		MID	64QAM	20.70	20.55	20.45	21.00
		HIGH	64QAM	20.70	20.55	20.45	21.00
20	1	LOW	QPSK	22.93	22.76	23.08	24.00
		MID	QPSK	22.99	22.78	23.16	24.00
		HIGH	QPSK	22.81	22.79	23.18	24.00
	50	LOW	QPSK	22.30	22.35	22.41	23.00
		MID	QPSK	22.35	22.48	22.34	23.00
		HIGH	QPSK	22.36	22.49	22.56	23.00
20	1	LOW	QPSK	22.40	22.43	22.44	23.00
		MID	QPSK	22.40	22.43	22.44	23.00
		HIGH	QPSK	22.40	22.43	22.44	23.00
	50	LOW	Q16	21.92	21.70	22.87	23.00
		MID	Q16	21.95	21.78	22.85	23.00
		HIGH	Q16	21.88	21.85	22.92	23.00
20	1	LOW	Q16	21.46	21.40	21.52	22.00
		MID	Q16	21.38	21.37	21.59	22.00
		HIGH	Q16	21.41	21.39	21.68	22.00
	50	LOW	Q16	21.46	21.55	21.52	22.00
		MID	Q16	21.46	21.55	21.52	22.00
		HIGH	Q16	21.46	21.55	21.52	22.00
20	1	LOW	64QAM	20.96	20.66	21.85	22.00
		MID	64QAM	20.94	20.74	21.90	22.00
		HIGH	64QAM	20.94	20.96	22.00	22.00
	50	LOW	64QAM	20.54	20.35	20.50	21.00
		MID	64QAM	20.33	20.49	20.44	21.00
		HIGH	64QAM	20.54	20.26	20.67	21.00
20	1	LOW	64QAM	20.61	20.63	20.58	21.00
		MID	64QAM	20.61	20.63	20.58	21.00
		HIGH	64QAM	20.61	20.63	20.58	21.00
	50	LOW	64QAM	20.61	20.63	20.58	21.00
		MID	64QAM	20.61	20.63	20.58	21.00
		HIGH	64QAM	20.61	20.63	20.58	21.00

LTE B41 SENSOR ON									
Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)
5	1	LOW	QPSK	14.34	14.22	14.47	14.33	14.38	16.00
		MID	QPSK	14.48	14.67	14.42	14.42	14.11	16.00
		HIGH	QPSK	14.17	14.19	14.44	14.34	14.10	16.00
	12	LOW	QPSK	13.80	13.46	13.71	13.06	13.30	15.00
		MID	QPSK	13.98	14.06	13.69	13.28	13.28	15.00
		HIGH	QPSK	13.73	13.84	13.69	13.13	13.14	15.00
	25	LOW	QPSK	13.68	13.89	13.64	13.05	13.04	15.00
5	1	LOW	Q16	13.05	13.01	13.25	13.07	13.02	15.00
		MID	Q16	13.77	13.84	13.87	13.20	13.41	15.00
		HIGH	Q16	13.39	13.54	13.16	13.25	13.35	15.00
	12	LOW	Q16	12.62	12.64	12.64	12.46	12.40	14.00
		MID	Q16	13.09	12.92	12.80	12.84	12.71	14.00
		HIGH	Q16	12.82	12.94	12.64	12.22	12.40	14.00
	25	LOW	Q16	12.89	12.90	12.83	12.29	12.30	14.00
5	1	LOW	64QAM	12.20	12.38	12.39	12.05	12.24	14.00
		MID	64QAM	12.81	12.80	12.90	12.36	12.44	14.00
		HIGH	64QAM	12.55	12.47	12.09	12.25	12.19	14.00
	12	LOW	64QAM	11.56	11.56	11.53	11.63	11.34	13.00
		MID	64QAM	12.00	12.23	11.78	11.76	11.77	13.00
		HIGH	64QAM	11.98	11.85	11.38	11.35	11.34	13.00
	25	LOW	64QAM	11.65	11.83	11.85	11.39	11.46	13.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
10	1	LOW	QPSK	14.22	14.03	14.40	14.30	14.15	16.00
		MID	QPSK	14.49	14.66	14.38	14.34	14.02	16.00
		HIGH	QPSK	14.23	14.22	14.37	14.49	14.08	16.00
	25	LOW	QPSK	13.53	13.60	13.56	13.14	13.37	15.00
		MID	QPSK	14.01	13.82	13.61	13.20	13.34	15.00
		HIGH	QPSK	13.76	13.92	13.65	13.00	13.13	15.00
	50	LOW	QPSK	13.75	14.02	13.67	13.02	13.06	15.00
10	1	LOW	Q16	13.20	13.05	13.17	13.05	13.05	15.00
		MID	Q16	13.88	13.90	13.83	13.46	13.41	15.00
		HIGH	Q16	13.39	13.63	13.01	13.12	13.37	15.00
	25	LOW	Q16	12.54	12.67	12.59	12.48	12.61	14.00
		MID	Q16	12.90	13.09	12.94	12.86	12.75	14.00
		HIGH	Q16	12.78	13.04	12.72	12.42	12.23	14.00
	50	LOW	Q16	12.65	12.95	12.75	12.40	12.30	14.00
10	1	LOW	64QAM	12.09	12.20	12.51	12.22	12.04	14.00
		MID	64QAM	13.02	12.72	12.75	12.39	12.56	14.00
		HIGH	64QAM	12.49	12.36	13.02	12.26	12.03	14.00
	25	LOW	64QAM	11.70	11.60	11.61	11.48	11.34	13.00
		MID	64QAM	11.80	12.28	11.91	11.63	11.73	13.00
		HIGH	64QAM	12.17	11.72	11.35	11.33	11.38	13.00
	50	LOW	64QAM	11.59	11.98	11.82	11.10	11.55	13.00

LTE B41 SENSOR ON									
Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)
15	1	LOW	QPSK	14.39	14.13	14.46	14.37	14.08	16.00
		MID	QPSK	14.72	14.61	14.43	14.23	14.08	16.00
		HIGH	QPSK	14.11	14.24	14.31	14.21	14.02	16.00
	36	LOW	QPSK	13.71	13.43	13.63	13.14	13.32	15.00
		MID	QPSK	13.89	13.87	13.62	13.24	13.36	15.00
		HIGH	QPSK	13.88	13.97	13.56	13.22	13.09	15.00
	75	LOW	QPSK	13.80	13.86	13.48	13.01	13.05	15.00
15	1	LOW	Q16	13.02	13.18	13.33	13.02	13.05	15.00
		MID	Q16	13.87	13.84	13.85	13.34	13.31	15.00
		HIGH	Q16	13.37	13.60	13.12	13.11	13.30	15.00
	36	LOW	Q16	12.52	12.89	12.66	12.66	12.37	14.00
		MID	Q16	13.07	13.15	12.77	12.77	12.47	14.00
		HIGH	Q16	13.00	12.91	12.71	12.29	12.24	14.00
	75	LOW	Q16	12.66	12.91	12.71	12.25	12.31	14.00
15	1	LOW	64QAM	12.09	12.33	12.53	13.05	12.12	14.00
		MID	64QAM	12.78	12.96	12.90	12.59	12.50	14.00
		HIGH	64QAM	12.58	12.65	13.02	12.16	12.11	14.00
	36	LOW	64QAM	11.52	11.57	11.65	11.52	11.47	13.00
		MID	64QAM	12.00	12.33	11.76	11.90	11.86	13.00
		HIGH	64QAM	12.11	11.78	11.55	11.31	11.29	13.00
	75	LOW	64QAM	11.71	11.87	11.64	11.20	11.43	13.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
20	1	LOW	QPSK	14.35	14.08	14.38	14.73	14.25	16.00
		MID	QPSK	14.63	14.63	14.33	14.87	14.21	16.00
		HIGH	QPSK	14.17	14.34	14.39	14.85	14.22	16.00
	50	LOW	QPSK	13.65	13.56	13.64	13.81	13.24	15.00
		MID	QPSK	13.93	13.95	13.76	13.82	13.32	15.00
		HIGH	QPSK	13.87	13.87	13.56	13.74	13.09	15.00
	100	LOW	QPSK	13.77	13.94	13.61	13.04	13.17	15.00
20	1	LOW	Q16	13.11	13.15	13.28	13.03	13.02	15.00
		MID	Q16	13.89	13.80	13.77	13.34	13.44	15.00
		HIGH	Q16	13.50	13.55	13.13	13.25	13.24	15.00
	50	LOW	Q16	12.66	12.77	12.67	12.52	12.51	14.00
		MID	Q16	12.95	13.03	12.79	12.75	12.60	14.00
		HIGH	Q16	12.89	13.00	12.59	12.29	12.38	14.00
	100	LOW	Q16	12.77	12.83	12.70	12.33	12.41	14.00
20	1	LOW	64QAM	12.22	12.35	12.40	12.08	12.11	14.00
		MID	64QAM	12.89	12.83	12.82	12.48	12.42	14.00
		HIGH	64QAM	12.55	12.51	12.05	12.16	12.15	14.00
	50	LOW	64QAM	11.65	11.63	11.55	11.49	11.41	13.00
		MID	64QAM	11.85	12.24	11.86	11.76	11.75	13.00
		HIGH	64QAM	12.03	11.74	11.46	11.22	11.27	13.00
	100	LOW	64QAM	11.65	11.84	11.70	11.25	11.53	13.00

LTE B41 SENSOR OFF									
Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)
5	1	LOW	QPSK	23.03	23.27	22.84	23.31	23.28	24.00
		MID	QPSK	23.00	22.99	23.06	23.20	23.23	24.00
		HIGH	QPSK	23.05	23.18	22.86	23.37	23.23	24.00
	12	LOW	QPSK	22.73	22.57	22.59	22.62	22.67	23.00
		MID	QPSK	22.40	22.37	22.43	22.68	22.79	23.00
		HIGH	QPSK	22.47	22.55	22.45	22.77	22.73	23.00
	25	LOW	QPSK	22.62	22.52	22.39	22.91	22.88	23.00
5	1	LOW	Q16	21.92	22.01	21.42	22.38	22.48	23.00
		MID	Q16	21.87	22.15	21.40	22.61	22.29	23.00
		HIGH	Q16	21.91	22.00	21.47	22.69	22.62	23.00
	12	LOW	Q16	21.67	21.80	21.36	21.83	21.98	22.00
		MID	Q16	21.54	21.45	21.58	21.61	21.87	22.00
		HIGH	Q16	21.60	21.66	21.37	21.97	21.95	22.00
	25	LOW	Q16	21.47	21.84	21.69	21.86	21.74	22.00
5	1	LOW	64QAM	21.19	21.01	20.51	21.55	21.33	22.00
		MID	64QAM	20.95	21.25	20.33	21.53	21.40	22.00
		HIGH	64QAM	20.91	20.96	20.33	21.59	21.35	22.00
	12	LOW	64QAM	20.72	20.73	20.39	20.68	20.79	21.00
		MID	64QAM	20.62	20.28	20.47	20.78	20.72	21.00
		HIGH	64QAM	20.54	20.68	20.34	20.95	20.99	21.00
	25	LOW	64QAM	20.65	20.70	20.38	20.90	20.56	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
10	1	LOW	QPSK	23.06	23.02	22.79	23.26	23.24	24.00
		MID	QPSK	23.06	22.89	22.83	23.24	23.36	24.00
		HIGH	QPSK	23.05	23.11	22.75	23.19	23.50	24.00
	25	LOW	QPSK	22.52	22.60	22.43	22.54	22.84	23.00
		MID	QPSK	22.44	22.37	22.36	22.68	22.65	23.00
		HIGH	QPSK	22.53	22.58	22.43	22.66	22.67	23.00
	50	LOW	QPSK	22.44	22.56	22.39	22.94	22.82	23.00
10	1	LOW	Q16	21.93	21.91	21.41	22.28	22.38	23.00
		MID	Q16	21.89	22.25	21.45	22.48	22.27	23.00
		HIGH	Q16	21.98	22.13	21.51	22.82	22.67	23.00
	25	LOW	Q16	21.51	21.66	21.41	21.81	21.85	22.00
		MID	Q16	21.68	21.64	21.54	21.84	21.87	22.00
		HIGH	Q16	21.51	21.56	21.43	21.81	21.83	22.00
	50	LOW	Q16	21.67	21.79	21.50	21.74	21.92	22.00
10	1	LOW	64QAM	21.17	21.15	20.52	21.51	21.41	22.00
		MID	64QAM	21.01	21.11	20.56	21.61	21.29	22.00
		HIGH	64QAM	20.97	20.93	20.51	21.49	21.48	22.00
	25	LOW	64QAM	20.78	20.71	20.55	20.93	20.70	21.00
		MID	64QAM	20.57	20.27	20.46	20.79	20.94	21.00
		HIGH	64QAM	20.51	20.49	20.27	21.00	20.81	21.00
	50	LOW	64QAM	20.62	20.53	20.54	20.74	20.72	21.00

LTE B41 SENSOR OFF									
Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)
15	1	LOW	QPSK	23.14	23.17	22.83	23.51	23.45	24.00
		MID	QPSK	23.07	22.94	22.95	23.29	23.42	24.00
		HIGH	QPSK	22.95	23.24	22.92	23.36	23.48	24.00
	36	LOW	QPSK	22.63	22.58	22.44	22.72	22.68	23.00
		MID	QPSK	22.41	22.55	22.38	22.73	22.83	23.00
		HIGH	QPSK	22.62	22.47	22.60	22.69	22.54	23.00
	75	LOW	QPSK	22.35	22.44	22.56	22.99	22.76	23.00
15	1	LOW	Q16	21.92	22.19	21.36	22.23	22.53	23.00
		MID	Q16	22.05	22.28	21.55	22.46	22.27	23.00
		HIGH	Q16	22.02	22.12	21.67	22.60	22.46	23.00
	36	LOW	Q16	21.63	21.93	21.55	21.95	21.85	22.00
		MID	Q16	21.51	21.48	21.41	21.83	21.85	22.00
		HIGH	Q16	21.70	21.54	21.31	21.89	21.84	22.00
	75	LOW	Q16	21.63	21.83	21.44	21.77	21.87	22.00
15	1	LOW	64QAM	21.21	21.11	20.52	21.46	21.39	22.00
		MID	64QAM	21.16	21.03	20.54	21.53	21.26	22.00
		HIGH	64QAM	20.90	20.98	20.37	21.70	21.56	22.00
	36	LOW	64QAM	20.76	20.47	20.60	20.78	20.78	21.00
		MID	64QAM	20.71	20.46	20.36	20.74	20.80	21.00
		HIGH	64QAM	20.42	20.70	20.18	20.85	20.89	21.00
	75	LOW	64QAM	20.48	20.63	20.37	20.86	20.70	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
20	1	LOW	QPSK	23.02	23.12	22.86	23.39	23.30	24.00
		MID	QPSK	22.97	23.01	22.91	23.29	23.35	24.00
		HIGH	QPSK	23.01	23.09	22.89	23.24	23.36	24.00
	50	LOW	QPSK	22.63	22.50	22.46	22.62	22.72	23.00
		MID	QPSK	22.55	22.49	22.44	22.68	22.69	23.00
		HIGH	QPSK	22.49	22.48	22.52	22.63	22.66	23.00
	100	LOW	QPSK	22.49	22.50	22.44	22.95	22.79	23.00
20	1	LOW	Q16	21.97	22.05	21.38	22.34	22.39	23.00
		MID	Q16	22.02	22.14	21.52	22.53	22.42	23.00
		HIGH	Q16	22.04	22.14	21.52	22.75	22.57	23.00
	50	LOW	Q16	21.63	21.81	21.40	21.87	21.92	22.00
		MID	Q16	21.63	21.52	21.47	21.76	21.95	22.00
		HIGH	Q16	21.63	21.64	21.42	21.96	21.86	22.00
	100	LOW	Q16	21.56	21.70	21.55	21.85	21.81	22.00
20	1	LOW	64QAM	21.08	21.09	20.41	21.45	21.43	22.00
		MID	64QAM	21.01	21.10	20.46	21.62	21.40	22.00
		HIGH	64QAM	21.02	20.98	20.47	21.64	21.48	22.00
	50	LOW	64QAM	20.68	20.61	20.45	20.79	20.84	21.00
		MID	64QAM	20.64	20.34	20.41	20.83	20.83	21.00
		HIGH	64QAM	20.55	20.62	20.28	20.85	20.84	21.00
	100	LOW	64QAM	20.55	20.55	20.45	20.80	20.69	21.00

8.5 WIFI Output Power

test Mode	Modulation	Channel number	Fre.(MHz)	AV output power(dBm)	tune up power(dBm)	SAR Test
WIFI 2.4G	11b	1	2412	15.39	17.00	Yes
		6	2437	16.01	17.00	Yes
		11	2462	16.42	17.00	Yes
	11g	1	2412	15.83	16.00	No
		6	2437	15.74	16.00	No
		11	2462	15.98	16.00	No
	HT20	1	2412	13.65	15.00	No
		6	2437	14.78	15.00	No
		11	2462	14.42	15.00	No
	HT40	3	2422	12.12	13.00	No
		6	2437	11.79	13.00	No
		9	2452	11.73	13.00	No

Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially.

1) The largest channel bandwidth configuration is selected between the multiple configurations in a frequency band with the same maximum tune-up output power.

2) When multiple transmission modes (802.11b/g/n) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11b is chosen over 802.11g, and 802.11g chosen over 802.11n.

3) According KDB 247228, when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, OFDM SAR test is not required.
Adjusted SAR = $0.458 * (39.81\text{mW}/50.12\text{mW}) = 0.364$ W/Kg, so 2.4G OFDM SAR test is not required.

test Mode	Modulation	Channel number	Fre.(MHz)	Power Setting	output power(dBm)	tune up power(dBm)	SAR Test
5.2 WIFI	11a	36	5180	13	13.58	14.00	Yes
		44	5220	13	13.70	14.00	Yes
		48	5240	13	13.67	14.00	Yes
	11n20	36	5180	13	12.10	13.00	No
		44	5220	13	12.27	13.00	No
		48	5240	13	12.34	13.00	No
	11n40	38	5190	12	12.16	13.00	No
		46	5230	14	11.39	13.00	No
	11ac20	36	5180	13	11.97	13.00	No
		44	5220	13	12.11	13.00	No
		48	5240	13	12.19	13.00	No
	11ac40	38	5190	13	12.14	13.00	No
		46	5230	12	12.30	13.00	No
	11ac80	42	5210	12	11.47	12.00	No
5.3 WIFI	11a	52	5260	12	13.69	14.00	Yes
		60	5300	12	13.68	14.00	Yes
		64	5320	12	13.77	14.00	Yes
	11n20	52	5260	11	12.28	13.00	No
		60	5300	11	12.42	13.00	No
		64	5320	11	12.43	13.00	No
	11n40	54	5270	11	12.38	13.00	No
		62	5310	11	12.60	13.00	No
		52	5260	11	12.30	13.00	No
	11ac20	60	5300	11	12.41	13.00	No
		64	5320	11	12.47	13.00	No
		54	5270	11	12.40	13.00	No
	11ac40	62	5310	11	12.56	13.00	No
		58	5290	12	12.87	13.00	No
5.6G WIFI	11a	100	5500	15	15.06	16.00	Yes
		116	5580	16	15.49	16.00	Yes
		140	5700	16	15.92	16.00	Yes
	11n20	100	5500	14	13.69	15.00	No
		116	5580	15	14.43	15.00	No
		140	5700	14	13.69	15.00	No
	11n40	102	5510	11	10.85	15.00	No
		118	5590	15	14.47	15.00	No
		134	5670	15	14.53	15.00	No
	11ac20	100	5500	15	14.54	15.00	No
		116	5580	15	14.31	15.00	No
		140	5700	14	13.76	15.00	No
	11ac40	102	5510	11	10.86	15.00	No
		118	5590	15	14.50	15.00	No
		134	5670	15	14.58	15.00	No
5.8G WIFI	11a	106	5530	14	13.38	14.00	No
		122	5610	14	13.45	14.00	No
		149	5745	16	16.45	17.00	Yes
	11n20	157	5785	16	16.55	17.00	Yes
		165	5825	16	16.54	17.00	Yes
		149	5745	15	15.08	16.00	No
	11n40	157	5785	15	15.26	16.00	No
		165	5825	15	15.30	16.00	No
		151	5755	16	15.97	16.00	No
	11ac20	159	5795	16	15.89	16.00	No
		149	5745	15	15.12	16.00	No
		157	5785	15	15.25	16.00	No
	11ac40	165	5825	15	15.29	16.00	No
		151	5755	15	14.80	15.00	No
		159	5795	14	14.22	15.00	No
	11ac80	155	5775	14	13.87	14.00	No
Note: When multiple channel bandwidth configurations in a frequency band have the same maximum tune-up output power, the test configuration is determined by applying the following steps sequentially. 1) The largest channel bandwidth configuration is selected among the multiple configurations in a frequency band with the same maximum tune-up output power. 2) When multiple transmission modes (802.11a/n/ac) have the same maximum tune-up output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11a is chosen over 802.11n then 802.11ac.							

8.6 Bluetooth Output Power

Bluetooth					
test Mode	Modulation	Fre.(MHz)	AV output power(dBm)	Tune up power(dBm)	SAR Test
BT	DH5	2402	6.41	7.50	Yes
		2441	6.63	7.50	Yes
		2480	6.23	7.50	Yes
	2DH5	2402	3.64	5.50	No
		2441	4.11	5.50	No
		2480	3.92	5.50	No
	3DH5	2402	3.66	5.50	No
		2441	4.18	5.50	No
		2480	3.95	5.50	No
	BLE1M	2402	-0.63	1.00	No
		2440	-0.70	1.00	No
		2480	0.86	1.00	No
	BLE2M	2402	-0.53	1.00	No
		2440	-0.59	1.00	No
		2480	0.94	1.00	No

Note: Since bluetooth BR mode is the maximum output power mode, SAR measurements were performed with test software using DH5 modulation, and SAR measurement is not required for the EDR and LE. When the secondary mode is $\leq 1/4$ dB higher than the primary mode.

8.6.1 Bluetooth Duty Cycle

The Bluetooth duty cycle is 77.41% as following figure, according to 2016 Oct. TCB workshop for Bluetooth SAR scaling need further consideration and the maximum duty cycle is 100%, therefore the actual duty cycle will be scaled up to 100% for Bluetooth reported SAR calculation.

Duty Cycle

