



Full&Sensor off Power

Band 2										
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										
Frequency (MHz)				18700	18900	19100				
20	QPSK	1	0	23.31	23.35	23.26				
20	QPSK	1	49	23.14	23.13	23.11	24	0		
20	QPSK	1	99	23.00	23.09	22.99				
20	QPSK	50	0	22.27	22.41	22.39				
20	QPSK	50	24	21.95	22.26	22.23	23	1		
20	QPSK	50	50	22.05	22.33	22.17				
20	QPSK	100	0	22.08	22.33	22.29				
20	16QAM	1	0	22.17	22.20	22.00				
20	16QAM	1	49	22.12	22.17	22.28	23	1		
20	16QAM	1	99	22.01	22.06	22.15				
20	16QAM	50	0	21.27	21.21	21.30				
20	16QAM	50	24	21.21	21.09	21.16				
20	16QAM	50	50	21.25	21.26	21.27	22	2		
20	16QAM	100	0	21.32	21.00	21.05				
Channel										
Frequency (MHz)				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	1880	1902.5				
15	QPSK	1	0	23.11	23.29	23.16				
15	QPSK	1	37	22.94	22.95	23.02	24	0		
15	QPSK	1	74	22.91	22.89	22.84				
15	QPSK	36	0	22.10	22.26	22.40				
15	QPSK	36	20	21.78	22.08	22.04	23	1		
15	QPSK	36	39	21.88	22.20	22.19				
15	QPSK	75	0	22.02	22.25	22.20				
15	16QAM	1	0	22.07	22.06	21.80				
15	16QAM	1	37	22.06	22.16	22.24	23	1		
15	16QAM	1	74	21.93	22.01	22.06				
15	16QAM	36	0	21.28	21.19	21.14				
15	16QAM	36	20	21.01	21.10	20.98	22	2		
15	16QAM	36	39	21.10	21.16	21.20				
15	16QAM	75	0	21.31	20.88	20.90				
Channel										
Frequency (MHz)				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	1880	1905				
10	QPSK	1	0	23.13	23.18	23.27				
10	QPSK	1	25	23.06	23.06	23.05	24	0		
10	QPSK	1	49	22.89	22.91	22.82				
10	QPSK	25	0	22.09	22.33	22.36				
10	QPSK	25	12	21.77	22.22	22.01	23	1		
10	QPSK	25	25	21.99	22.18	21.98				
10	QPSK	50	0	21.93	22.20	22.16				
10	16QAM	1	0	22.15	22.16	21.98				
10	16QAM	1	25	22.09	22.09	22.18	23	1		
10	16QAM	1	49	21.90	22.06	21.99				
10	16QAM	25	0	21.09	21.13	21.30				
10	16QAM	25	12	21.01	21.03	21.07	22	2		
10	16QAM	25	25	21.17	21.18	21.07				
10	16QAM	50	0	21.16	20.89	21.04				
Channel										
Frequency (MHz)				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	1880	1907.5				
5	QPSK	1	0	23.27	23.33	23.10				
5	QPSK	1	12	23.14	23.12	23.01	24	0		
5	QPSK	1	24	22.83	23.06	22.79				
5	QPSK	12	7	21.12	22.31	22.33				
5	QPSK	12	7	21.97	22.15	22.33	23	1		
5	QPSK	12	13	21.98	22.24	21.97				
5	QPSK	25	0	21.92	22.33	22.11				
5	16QAM	1	0	22.16	22.14	21.90				
5	16QAM	1	12	22.08	22.00	22.08	23	1		
5	16QAM	1	24	21.81	22.08	22.09				
5	16QAM	12	0	21.09	21.09	21.25				
5	16QAM	12	7	21.17	20.90	21.05	22	2		
5	16QAM	12	13	21.04	21.10	21.24				
5	16QAM	25	0	21.27	20.90	21.03				
Channel										
Frequency (MHz)				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1851.5	1880	1908.5				
3	QPSK	1	0	23.14	23.23	23.11				
3	QPSK	1	8	23.00	23.12	23.04	24	0		
3	QPSK	1	14	22.84	22.96	23.00				
3	QPSK	8	0	22.17	22.29	22.29				
3	QPSK	8	4	22.15	22.32	22.21	23	1		
3	QPSK	8	7	22.27	22.32	22.27				
3	QPSK	15	0	22.07	22.13	22.21				
3	16QAM	1	0	22.06	22.18	22.01	23	1		
3	16QAM	12	8	22.07	22.06	22.09				
3	16QAM	1	14	22.07	22.28	22.23				
3	16QAM	8	0	21.07	21.18	21.17				
3	16QAM	8	4	21.09	21.00	21.02	22	2		
3	16QAM	8	7	21.04	21.11	21.29				
3	16QAM	15	0	21.13	20.85	20.95				
Channel										
Frequency (MHz)				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1850.7	1880	1909.3				
1.4	QPSK	1	0	23.22	23.33	23.14				
1.4	QPSK	1	3	23.10	22.93	23.02	24	0		
1.4	QPSK	1	5	22.99	22.90	22.94				
1.4	QPSK	3	0	23.22	23.33	23.21				
1.4	QPSK	3	1	22.92	22.96	22.94				
1.4	QPSK	3	3	22.99	23.09	22.89				
1.4	QPSK	6	0	21.96	22.25	22.11	23	1		
1.4	16QAM	1	0	22.19	22.32	22.20				
1.4	16QAM	1	3	22.28	22.31	22.26				
1.4	16QAM	1	5	22.19	22.25	22.24	23	1		
1.4	16QAM	3	0	22.12	22.29	22.33				
1.4	16QAM	3	1	22.06	22.41	22.24				
1.4	16QAM	3	3	22.17	22.37	22.21				
1.4	16QAM	6	0	21.24	20.90	21.03	22	2		

Band 4										
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										
Frequency (MHz)				20950	20175	20300				
Frequency (MHz)				1720	1732.5	1745				
20	QPSK	1	0	23.26	23.37	23.30				
20	QPSK	1	49	23.20	23.28	23.20	24	0		
20	QPSK	1	99	23.21	23.18	23.36				
20	QPSK	50	0	22.12	22.30	22.29				
20	QPSK	50	24	22.13	22.10	22.13	23	1		
20	QPSK	50	50	21.96	22.10	22.25				
20	QPSK	100	0	22.00	22.22	22.21				
20	16QAM	1	0	22.01	22.17	22.05				
20	16QAM	1	49	22.00	22.14	21.92	23	1		
20	16QAM	1	99	21.87	21.97	21.93				
20	16QAM	50	0	21.12	21.28	21.09				
20	16QAM	50	24	20.92	21.10	21.10				
20	16QAM	50	50	21.14	21.15	20.92	22	2		
20	16QAM	100	0	20.97	21.24	20.95				
Channel										
Frequency (MHz)				20925	20175	20325	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1732.5	1747.5				
15	QPSK	1	0	23.14	23.31	23.08				
15	QPSK	1	37	23.09	23.21	23.19	24	0		
15	QPSK	1	74	23.06	23.18	23.21				
15	QPSK	36	0	21.98	22.17	22.11				
15	QPSK	36	20	21.96	21.96	21.98	23	1		
15	QPSK	36	39	21.85	21.99	22.27				
15	QPSK	75	0	21.82	22.04	22.02				
15	16QAM	1	0	22.02	22.11	21.85				
15	16QAM	1	37	21.97	21.95	21.71	23	1		
15	16QAM	1	74	21.79	21.89	21.81				
15	16QAM	36	0	21.11	21.23	20.99				
15	16QAM	36	20	20.85	20.94	20.99	22	2		
15	16QAM	36	39	21.04	21.00	20.81				
15	16QAM	75	0	20.96	21.25	20.92				
Channel										
Frequency (MHz)				20900	20175	20350	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1732.5	1750				



Band 13									
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				23230					
Frequency (MHz)				782					
10	QPSK	1	0		24.15		24.5	0	
10	QPSK	1	25		24.08				
10	QPSK	1	49		24.06				
10	QPSK	25	0		23.19		23.5	1	
10	QPSK	25	12		23.11				
10	QPSK	25	25		23.07				
10	QPSK	50	0		23.06		23.5	1	
10	16QAM	1	0		23.11				
10	16QAM	1	25		23.04				
10	16QAM	1	49		23.06		22.5	2	
10	16QAM	25	0		22.20				
10	16QAM	25	12		22.12				
10	16QAM	25	25		22.11		22.5	2	
10	16QAM	50	0		22.08				
Channel				23205	23230	23255			
Frequency (MHz)				779.5			782	784.5	
5	QPSK	1	0	24.04	23.96	24.08	24.5	0	
5	QPSK	1	12	23.92	23.92	23.91			
5	QPSK	1	24	23.84	23.94	24.08			
5	QPSK	12	0	22.99	23.15	23.15	23.5	1	
5	QPSK	12	7	22.90	23.00	22.92			
5	QPSK	12	13	23.05	22.97	23.01			
5	QPSK	25	0	22.97	22.89	23.01	23.5	1	
5	16QAM	1	0	23.07	23.02	22.95			
5	16QAM	1	12	22.89	22.96	22.86			
5	16QAM	1	24	23.03	23.08	23.04	22.5	2	
5	16QAM	12	0	22.02	21.99	22.21			
5	16QAM	12	7	22.03	21.91	21.94			
5	16QAM	12	13	22.12	21.99	21.97	22.5	2	
5	16QAM	25	0	22.08	22.10	21.90			

Band 66									
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				132072			132322	132572	
Frequency (MHz)				1720			1745	1770	
20	QPSK	1	0	23.31	23.40	23.35	24	0	
20	QPSK	1	49	23.32	23.25	23.18			
20	QPSK	1	99	23.11	23.32	23.27			
20	QPSK	50	0	22.44	22.56	22.35	23	1	
20	QPSK	50	24	22.30	22.42	22.31			
20	QPSK	50	50	22.29	22.48	22.35			
20	QPSK	100	0	22.43	22.57	22.24	23	1	
20	16QAM	1	0	22.21	22.41	22.22			
20	16QAM	1	49	22.26	22.34	22.20			
20	16QAM	1	99	22.23	22.43	22.32	22	2	
20	16QAM	50	0	21.73	21.75	21.68			
20	16QAM	50	24	21.59	21.64	21.55			
20	16QAM	50	50	21.72	21.81	21.56	22	2	
20	16QAM	100	0	21.58	21.75	21.43			
Channel				132047	132322	132597			
Frequency (MHz)				1717.5			1745	1772.5	
15	QPSK	1	0	23.18	23.20	23.21	24	0	
15	QPSK	1	37	23.31	23.08	23.08			
15	QPSK	1	74	22.94	23.31	23.23			
15	QPSK	36	0	22.24	22.57	22.31	23	1	
15	QPSK	36	20	22.13	22.40	22.15			
15	QPSK	36	39	22.12	22.40	22.32			
15	QPSK	75	0	22.33	22.44	22.17	23	1	
15	16QAM	1	0	22.16	22.43	22.18			
15	16QAM	1	37	22.20	22.27	22.21			
15	16QAM	1	74	22.07	22.30	22.17	22	2	
15	16QAM	36	0	21.69	21.61	21.54			
15	16QAM	36	20	21.39	21.62	21.39			
15	16QAM	36	39	21.55	21.58	21.54	23	1	
15	16QAM	1	37	22.20	22.27	22.21			
15	16QAM	1	74	22.07	22.30	22.17			
15	16QAM	75	0	21.44	21.72	21.24	22	2	
15	16QAM	75	0	21.44	21.72	21.24			
Channel				132022	132322	132622			
Frequency (MHz)				1715			1745	1775	
10	QPSK	1	0	23.15	23.36	23.30	24	0	
10	QPSK	1	25	23.33	23.21	23.11			
10	QPSK	1	49	23.02	23.20	23.25			
10	QPSK	25	0	22.24	22.50	22.30	23	1	
10	QPSK	25	12	22.09	22.35	22.16			
10	QPSK	25	25	22.23	22.36	22.14			
10	QPSK	50	0	22.31	22.52	22.09	23	1	
10	16QAM	1	0	22.16	22.33	22.22			
10	16QAM	1	25	22.23	22.35	21.99			
10	16QAM	1	49	22.22	22.32	22.22	22	2	
10	16QAM	25	0	21.52	21.60	21.46			
10	16QAM	25	12	21.50	21.54	21.54			
10	16QAM	25	25	21.68	21.43	21.54	23	1	
10	16QAM	50	0	21.54	21.63	21.40			
Channel				131997	132322	132647			
Frequency (MHz)				1712.5			1745	1777.5	
5	QPSK	1	0	23.21	23.22	23.18	24	0	
5	QPSK	1	12	23.26	23.18	23.13			
5	QPSK	1	24	23.07	23.17	23.13			
5	QPSK	12	0	22.30	22.56	22.35	23	1	
5	QPSK	12	7	22.13	22.30	22.10			
5	QPSK	12	13	22.11	22.30	22.25			
5	QPSK	25	0	22.39	22.50	22.08	23	1	
5	16QAM	1	0	22.23	22.33	22.13			
5	16QAM	1	12	22.17	22.18	22.12			
5	16QAM	1	24	22.01	22.23	22.16	22	2	
5	16QAM	12	0	21.64	21.63	21.40			
5	16QAM	12	7	21.45	21.62	21.43			
5	16QAM	12	13	21.67	21.52	21.36	23	1	
5	16QAM	25	0	21.54	21.66	21.43			
Channel				131967	132322	132657			
Frequency (MHz)				1711.5			1745	1778.5	
3	QPSK	1	0	23.30	23.36	23.37	24	0	
3	QPSK	1	8	23.27	23.19	23.12			
3	QPSK	1	14	23.00	23.11	23.26			
3	QPSK	8	0	22.44	22.38	22.23	23	1	
3	QPSK	8	4	22.30	22.35	22.31			
3	QPSK	8	7	22.26	22.50	22.15			
3	QPSK	15	0	22.31	22.49	22.05	23	1	
3	16QAM	1	0	22.12	22.32	22.10			
3	16QAM	1	8	22.05	22.33	22.14			
3	16QAM	1	14	22.07	22.32	22.25	22	2	
3	16QAM	8	0	21.60	21.68	21.38			
3	16QAM	8	4	21.41	21.62	21.42			
3	16QAM	8	7	21.58	21.39	21.40	23	1	
3	16QAM	15	0	21.57	21.74	21.21			
Channel				131979	132322	132665			
Frequency (MHz)				1710.7			1745	1779.3	
1.4	QPSK	1	0	23.31	23.37	23.25	24	0	
1.4	QPSK	1	3	23.18	23.18	23.05			
1.4	QPSK	1	5	22.92	23.18	23.06			
1.4	QPSK	3	0	23.27	23.39	23.25	23	1	
1.4	QPSK	3	1	23.19	23.08	23.15			
1.4	QPSK	3	3	23.05	23.16	23.07			
1.4	QPSK	6	0	22.31	22.35	22.12	23	1	
1.4	16QAM	1	0	22.06	22.23	22.15			
1.4	16QAM	1	3	22.22	22.16	22.03			
1.4	16QAM	1	5	22.04	22.22	22.22	22	2	
1.4	16QAM	3	0	22.34	22.44	22.24			
1.4	16QAM	3	1	22.20	22.37	22.24			
1.4	16QAM	3	3	22.07	22.28	22.14	22	2	
1.4	16QAM	6	0	21.48	21.63	21.38			



Band 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				18700	18900	19100				
Frequency (MHz)				1860	1880	1900				
20	QPSK	1	0	20.34	20.38	20.22				
20	QPSK	1	49	20.21	20.33	20.14	21	0		
20	QPSK	1	99	20.20	20.27	20.13				
20	QPSK	50	0	20.30	20.33	20.13				
20	QPSK	50	24	20.16	20.19	20.20	21	0		
20	QPSK	50	50	20.15	20.13	20.04				
20	QPSK	100	0	20.29	20.31	20.10				
20	16QAM	1	0	20.26	20.29	20.07				
20	16QAM	1	49	20.13	20.29	20.06	21	0		
20	16QAM	1	99	20.13	20.17	20.08				
20	16QAM	50	0	20.25	20.23	20.02				
20	16QAM	50	24	20.13	20.07	19.99				
20	16QAM	50	50	20.07	20.03	19.89	21	0		
20	16QAM	100	0	20.16	20.24	19.95				
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	1880	1902.5				
15	QPSK	1	0	20.21	20.24	20.03				
15	QPSK	1	37	20.17	20.21	20.09	21	0		
15	QPSK	1	74	20.07	20.15	20.00				
15	QPSK	36	0	20.16	20.21	20.03				
15	QPSK	36	20	20.07	20.07	20.04	21	0		
15	QPSK	36	39	20.04	20.08	19.99				
15	QPSK	75	0	20.17	20.16	20.05				
15	16QAM	1	0	20.23	20.20	19.95				
15	16QAM	1	37	20.03	20.23	19.92	21	0		
15	16QAM	1	74	20.00	20.08	19.96				
15	16QAM	36	0	20.13	20.15	19.90				
15	16QAM	36	20	20.03	19.94	19.94	21	0		
15	16QAM	36	39	20.04	19.92	19.92				
15	16QAM	75	0	20.11	20.15	19.91				
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	1880	1905				
10	QPSK	1	0	20.21	20.32	20.09				
10	QPSK	1	25	20.07	20.28	20.11	21	0		
10	QPSK	1	49	20.05	20.13	20.09				
10	QPSK	25	0	20.15	20.25	20.06				
10	QPSK	25	12	20.13	20.14	20.02	21	0		
10	QPSK	25	25	20.01	20.05	20.00				
10	QPSK	50	0	20.21	20.23	20.01				
10	16QAM	1	0	20.20	20.23	20.01				
10	16QAM	1	25	20.09	20.24	20.02	21	0		
10	16QAM	1	49	20.02	20.09	20.03				
10	16QAM	25	0	20.18	20.09	19.89				
10	16QAM	25	12	20.04	20.01	19.91	21	0		
10	16QAM	25	25	20.01	19.89	19.78				
10	16QAM	50	0	20.08	20.21	19.91				
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	1880	1907.5				
5	QPSK	1	0	20.25	20.28	20.15				
5	QPSK	1	12	20.18	20.26	20.01	21	0		
5	QPSK	1	24	20.09	20.17	20.08				
5	QPSK	12	0	20.26	20.28	20.08				
5	QPSK	12	7	20.03	20.07	20.08	21	0		
5	QPSK	12	13	20.09	20.09	19.92				
5	QPSK	25	0	20.22	20.19	20.02				
5	16QAM	1	0	20.12	20.23	19.96				
5	16QAM	1	12	20.09	20.24	19.97	21	0		
5	16QAM	1	24	19.99	20.05	19.99				
5	16QAM	12	0	20.21	20.19	19.98				
5	16QAM	12	7	20.06	19.96	19.93	21	0		
5	16QAM	12	13	19.94	19.95	19.82				
5	16QAM	25	0	20.08	20.10	19.90				
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1851.5	1880	1908.5				
3	QPSK	1	0	20.28	20.29	20.16				
3	QPSK	1	8	20.17	20.25	20.09	21	0		
3	QPSK	1	14	20.09	20.16	20.04				
3	QPSK	8	0	20.20	20.18	20.09				
3	QPSK	8	4	20.12	20.08	19.96	21	0		
3	QPSK	8	7	20.09	20.04	20.01				
3	QPSK	15	0	20.16	20.16	19.99				
3	16QAM	1	0	20.18	20.22	19.96				
3	16QAM	1	8	20.08	20.22	20.02	21	0		
3	16QAM	1	14	20.07	20.10	19.96				
3	16QAM	8	0	20.18	20.18	19.94				
3	16QAM	8	4	20.02	20.00	19.85	21	0		
3	16QAM	8	7	19.97	19.98	19.79				
3	16QAM	15	0	20.05	20.18	19.88				
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1850.7	1880	1909.3				
1.4	QPSK	1	0	20.23	20.23	20.16				
1.4	QPSK	1	3	20.08	20.28	20.07	21	0		
1.4	QPSK	1	5	20.06	20.20	20.02				
1.4	QPSK	3	0	20.26	20.29	20.08				
1.4	QPSK	3	1	20.09	20.10	20.00				
1.4	QPSK	3	3	20.04	20.05	19.92				
1.4	QPSK	6	0	20.20	20.26	19.96	21	0		
1.4	16QAM	1	0	20.14	20.15	20.02				
1.4	16QAM	1	3	20.09	20.20	19.96				
1.4	16QAM	1	5	20.03	20.07	19.99	21	0		
1.4	16QAM	3	0	20.16	20.11	19.98				
1.4	16QAM	3	1	20.05	20.01	19.86				
1.4	16QAM	3	3	19.98	19.91	19.77				
1.4	16QAM	6	0	20.06	20.17	19.89	21	0		

Band 4										
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				20950	20175	20300				
Frequency (MHz)				1720	1732.5	1745				
20	QPSK	1	0	20.27	20.30	20.19				
20	QPSK	1	49	20.17	20.27	20.20	21	0		
20	QPSK	1	99	20.23	20.22	20.09				
20	QPSK	50	0	20.21	20.25	20.09				
20	QPSK	50	24	20.02	20.16	20.07	21	0		
20	QPSK	50	50	20.15	20.13	20.08				
20	QPSK	100	0	20.11	20.19	20.17				
20	16QAM	1	0	20.09	20.22	20.02				
20	16QAM	1	49	20.00	20.17	20.01	21	0		
20	16QAM	1	99	20.18	20.18	20.08				
20	16QAM	50	0	20.09	20.09	20.01				
20	16QAM	50	24	19.91	19.99	20.01				
20	16QAM	50	50	19.94	20.06	20.01	21	0		
20	16QAM	100	0	20.03	20.13	20.05				
Channel				20925	20175	20325	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1732.5	1747.5				
15	QPSK	1	0	20.23	20.27	20.18				
15	QPSK	1	37	20.17	20.24	20.19	21	0		
15	QPSK	1	74	20.11	20.16	19.98				
15	QPSK	36	0	20.17	20.18	20.08				
15	QPSK	36	20	19.94	20.06	19.96	21	0		
15	QPSK	36	39	20.12	20.11	20.00				
15	QPSK	75	0	20.10	20.16	20.16				
15	16QAM	1	0	20.02	20.19	19.99				
15	16QAM	1	37	19.90	20.06	19.98	21	0		
15	16QAM	1	74	20.10	20.15	20.07				
15	16QAM	36	0	19.99	19.99	19.90				
15	16QAM	36	20	19.82	19.91	19.99	21	0		
15	16QAM	36	39	19.85	19.97	19.85				
15	16QAM	75	0	19.92	20.01	20.00				
Channel				20900	20175	20350	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1732.5	1750				
10	QPSK	1	0	20.18	20.22	20.10				
10	QPSK	1	25	20.11	20.19	20.18	21	0		
10	QPSK	1	49	20.14	20.21	20.03				
10	QPSK	25	0	20.20	20.21	19.99				
10	QPSK	25	1							



Band 13									
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				23230					
Frequency (MHz)				782					
10	QPSK	1	0		24.15		24.5	0	
10	QPSK	1	25		24.08				
10	QPSK	1	49		24.06				
10	QPSK	25	0		23.19		23.5	1	
10	QPSK	25	12		23.11				
10	QPSK	25	25		23.07				
10	QPSK	50	0		23.06		23.5	1	
10	16QAM	1	0		23.11				
10	16QAM	1	25		23.04				
10	16QAM	1	49		23.06		22.5	2	
10	16QAM	25	0		22.20				
10	16QAM	25	12		22.12				
10	16QAM	25	25		22.11		22.5	2	
10	16QAM	50	0		22.08				
Channel				23205	23230	23255			
Frequency (MHz)				779.5	782	784.5			
5	QPSK	1	0	24.04	23.96	24.08	24.5	0	
5	QPSK	1	12	23.92	23.92	23.91			
5	QPSK	1	24	23.84	23.94	24.08			
5	QPSK	12	0	22.99	23.15	23.15	23.5	1	
5	QPSK	12	7	22.90	23.00	22.92			
5	QPSK	12	13	23.05	22.97	23.01			
5	QPSK	25	0	22.97	22.89	23.01	23.5	1	
5	16QAM	1	0	23.07	23.02	22.95			
5	16QAM	1	12	22.89	22.96	22.86			
5	16QAM	1	24	23.03	23.08	23.04	22.5	2	
5	16QAM	12	0	22.02	21.99	22.21			
5	16QAM	12	7	22.03	21.91	21.94			
5	16QAM	12	13	22.12	21.99	21.97	22.5	2	
5	16QAM	25	0	22.08	22.10	21.90			
5	16QAM	25	0	22.08	22.10	21.90			

Band 66									
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				132072			132322	132572	
Frequency (MHz)				1720			1745	1770	
20	QPSK	1	0	20.34	20.36	20.32	21	0	
20	QPSK	1	49	20.27	20.32	20.26			
20	QPSK	1	99	20.29	20.31	20.20			
20	QPSK	50	0	20.29	20.32	20.22	21	0	
20	QPSK	50	24	20.12	20.24	20.20			
20	QPSK	50	50	20.19	20.17	20.13			
20	QPSK	100	0	20.23	20.28	20.22	21	0	
20	16QAM	1	0	20.24	20.26	20.16			
20	16QAM	1	49	20.11	20.22	20.10			
20	16QAM	1	99	20.21	20.22	20.14	21	0	
20	16QAM	50	0	20.23	20.17	20.11			
20	16QAM	50	24	20.02	20.08	20.07			
20	16QAM	50	50	20.07	20.12	20.04	21	0	
20	16QAM	100	0	20.14	20.18	20.13			
Channel				132047	132322	132597			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	20.20	20.24	20.18	21	0	
15	QPSK	1	37	20.17	20.27	20.21			
15	QPSK	1	74	20.25	20.22	20.09			
15	QPSK	36	0	20.17	20.19	20.17	21	0	
15	QPSK	36	20	20.06	20.11	20.05			
15	QPSK	36	39	20.15	20.09	20.04			
15	QPSK	75	0	20.20	20.13	20.14	21	0	
15	16QAM	1	0	20.11	20.18	20.09			
15	16QAM	1	37	20.02	20.08	19.95			
15	16QAM	1	74	20.08	20.13	20.03	21	0	
15	16QAM	36	0	20.14	20.04	20.07			
15	16QAM	36	20	19.95	19.96	19.95			
15	16QAM	36	39	19.98	20.02	19.91	21	0	
15	16QAM	75	0	20.03	20.14	19.98			
15	16QAM	75	0	20.03	20.14	19.98			
Channel				132022	132322	132622			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	20.30	20.24	20.27	21	0	
10	QPSK	1	25	20.12	20.27	20.17			
10	QPSK	1	49	20.24	20.27	20.09			
10	QPSK	25	0	20.25	20.23	20.10	21	0	
10	QPSK	25	12	20.06	20.10	20.12			
10	QPSK	25	25	20.13	20.11	20.01			
10	QPSK	50	0	20.17	20.15	20.14	21	0	
10	16QAM	1	0	20.19	20.14	20.03			
10	16QAM	1	25	20.01	20.12	19.96			
10	16QAM	1	49	20.09	20.16	20.02	21	0	
10	16QAM	25	0	20.15	20.04	19.99			
10	16QAM	25	12	19.95	20.00	19.96			
10	16QAM	25	25	19.93	19.97	19.96	21	0	
10	16QAM	50	0	20.09	20.10	20.08			
Channel				131997	132322	132647			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	20.22	20.23	20.29	21	0	
5	QPSK	1	12	20.20	20.27	20.18			
5	QPSK	1	24	20.16	20.16	20.14			
5	QPSK	12	0	20.17	20.23	20.07	21	0	
5	QPSK	12	7	20.03	20.12	20.07			
5	QPSK	12	13	20.11	20.03	20.10			
5	QPSK	25	0	20.15	20.19	20.18	21	0	
5	16QAM	1	0	20.10	20.16	20.03			
5	16QAM	1	12	19.97	20.09	20.03			
5	16QAM	1	24	20.15	20.11	20.00	21	0	
5	16QAM	12	0	20.19	20.06	19.99			
5	16QAM	12	7	19.92	19.99	20.02			
5	16QAM	12	13	19.98	20.07	19.94	21	0	
5	16QAM	25	0	20.06	20.06	20.06			
Channel				131987	132322	132657			
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	20.27	20.21	20.29	21	0	
3	QPSK	1	8	20.19	20.23	20.18			
3	QPSK	1	14	20.17	20.24	20.12			
3	QPSK	8	0	20.22	20.20	20.16	21	0	
3	QPSK	8	4	20.02	20.21	20.15			
3	QPSK	8	7	20.14	20.07	19.98			
3	QPSK	15	0	20.11	20.19	20.16	21	0	
3	16QAM	1	0	20.14	20.23	20.08			
3	16QAM	1	8	20.06	20.12	20.04			
3	16QAM	1	14	20.15	20.08	20.05	21	0	
3	16QAM	8	0	20.15	20.07	20.00			
3	16QAM	8	4	19.87	19.95	20.03			
3	16QAM	8	7	19.96	20.01	19.95	21	0	
3	16QAM	15	0	20.09	20.05	20.06			
Channel				131979	132322	132665			
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	20.30	20.25	20.28	21	0	
1.4	QPSK	1	3	20.19	20.27	20.11			
1.4	QPSK	1	5	20.18	20.22	20.06			
1.4	QPSK	3	0	20.21	20.23	20.10	21	0	
1.4	QPSK	3	1	20.04	20.16	20.15			
1.4	QPSK	3	3	20.05	20.11	20.08			
1.4	QPSK	6	0	20.18	20.23	20.18	21	0	
1.4	16QAM	1	0	20.16	20.13	20.11			
1.4	16QAM	1	3	20.01	20.08	19.95			
1.4	16QAM	1	5	20.12	20.17	20.06	21	0	
1.4	16QAM	3	0	20.15	20.12	19.96			
1.4	16QAM	3	1	19.90	19.94	20.00			
1.4	16QAM	3	3	19.94	20.05	19.93	21	0	
1.4	16QAM	6	0	20.05	20.13	20.04			
1.4	16QAM	6	0	20.05	20.13	20.04			



## Conducted Power

2.4GHz WLAN						
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	17.59	18.00	98.6
		6	2437	15.58	16.50	
		11	2462	15.90	16.00	
	802.11g 6Mbps	1	2412	15.59	16.50	97.9
		6	2437	15.56	17.00	
		11	2462	15.63	16.50	
	802.11n-HT20 MCS0	1	2412	14.86	16.00	97.92
		6	2437	15.46	17.00	
		11	2462	14.37	15.50	
	802.11n-HT40 MCS0	3	2422	12.43	14.00	94.31
		6	2437	14.02	15.00	
		9	2452	12.26	13.50	

5.2GHz WLAN						
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	16.62	17.00	98.25
		40	5200	16.88	17.50	
		44	5220	17.80	18.00	
		48	5240	17.70	18.00	
	802.11n-HT20 MCS0	36	5180	14.91	15.50	97.92
		40	5200	16.77	17.50	
		44	5220	16.65	17.50	
	802.11n-HT40 MCS0	38	5190	10.91	12.00	95.87
		46	5230	15.95	16.50	
		36	5180	14.64	15.50	
	802.11ac-VHT20 MCS0	40	5200	15.52	16.50	97.93
		44	5220	15.51	16.50	
		48	5240	15.44	16.50	
	802.11ac-VHT40 MCS0	38	5190	10.70	12.00	95.9
		46	5230	14.98	15.00	
	802.11ac-VHT80 MCS0	42	5210	10.19	11.00	92.61

5.3GHz WLAN						
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5260	17.04	18.00	98.25
		56	5280	16.66	17.50	
		60	5300	16.19	17.50	
		64	5320	16.21	18.00	
	802.11n-HT20 MCS0	52	5260	16.40	17.00	97.92
		56	5280	16.11	17.00	
		60	5300	15.62	17.00	
	802.11n-HT40 MCS0	54	5270	14.60	15.50	95.87
		62	5310	11.22	12.50	
		52	5260	14.33	15.50	
	802.11ac-VHT20 MCS0	56	5280	14.09	15.50	97.93
		60	5300	14.02	15.50	
		64	5320	14.56	16.00	
	802.11ac-VHT40 MCS0	54	5270	13.44	14.00	95.9
		62	5310	11.13	12.50	
	802.11ac-VHT80 MCS0	58	5290	10.05	11.50	92.61

5.5GHz WLAN						
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5500	17.31	18.50	98.25
		116	5580	17.65	18.50	
		124	5620	17.78	18.50	
		132	5660	17.54	18.50	
		140	5700	17.01	18.00	
	802.11n-HT20 MCS0	100	5500	15.89	17.00	97.92
		116	5580	14.96	16.50	
		124	5620	14.98	16.50	
		132	5660	15.64	16.50	
	802.11n-HT40 MCS0	102	5510	11.89	13.00	95.87
		110	5550	14.20	16.00	
		126	5630	14.14	16.00	
		134	5670	15.89	17.50	
	802.11ac-VHT20 MCS0	100	5500	15.53	17.00	97.93
		116	5580	13.85	15.50	
		124	5620	14.27	16.00	
		132	5660	14.52	16.50	
		140	5700	14.11	16.00	
	802.11ac-VHT40 MCS0	102	5510	11.80	13.00	95.9
		110	5550	13.62	15.50	
		126	5630	13.74	15.50	
		134	5670	14.69	16.50	
	802.11ac-VHT80 MCS0	106	5530	10.49	12.00	92.61
		122	5610	15.39	17.00	

5.8GHz WLAN						
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	149	5745	15.51	17.00	98.25
		157	5785	15.90	17.50	
		165	5825	16.02	17.50	
	802.11n-HT20 MCS0	149	5745	14.81	16.50	97.92
		157	5785	14.68	16.50	
	802.11n-HT40 MCS0	151	5755	15.70	16.50	95.87
		159	5795	16.06	16.50	
	802.11ac-VHT20 MCS0	149	5745	14.66	15.00	97.93
		157	5785	13.11	15.00	
	802.11ac-VHT40 MCS0	165	5825	15.86	17.50	95.9
		151	5755	13.40	14.50	
	802.11ac-VHT80 MCS0	159	5795	15.42	17.00	92.61
		155	5775	14.84	16.50	

**BT BR/EDR**

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	10.08	7.71	7.55	12
	CH 39	2441	9.62	7.09	7.00	11.5
	CH 78	2480	9.59	6.93	6.94	11.5

**BLE\_1M**

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	5.81
	CH 19	2440	5.94
	CH 39	2480	5.38
Tune-up Limit			7

5.3GHz WLAN						
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Sample
5.3GHz WLAN	802.11a 6Mbps	64	5320	16.21	18.00	P2A Sample
		64	5320	16.20	18.00	PP Sample
		Deviation		-0.01		

5.5GHz WLAN						
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Sample
5.5GHz WLAN	802.11a 6Mbps	124	5620	17.78	18.50	P2A Sample
		124	5620	18.05	18.50	PP Sample
		Deviation		0.27		

5.8GHz WLAN						
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Sample
5.8GHz WLAN	802.11a 6Mbps	165	5825	16.02	17.50	P2A Sample
		165	5825	16.35	17.50	PP Sample
		Deviation		0.33		



**BT BR/EDR**

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-up Limit	Sample
			1Mbps		
BR / EDR	CH 00	2402	10.08	12	P2A Sample
	CH 00	2402	10.34	12	PP Sample
	Deviation		0.26		





**Full&Sensor off Power**

Band 5								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	Sample
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0		23.78		24.5	P2A Sample
10	QPSK	1	0		23.55			PP Sample
Deviation								-0.23

**Sensor on Power**

Band 66								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	Sample
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	50	0		20.32			P2A Sample
20	QPSK	50	0		19.61		-21.0	PP Sample
Deviation								-0.71