



<FR1 n66\_Ant 0\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	16.77	16.82	16.66	17.0
40	PI/2 BPSK	1	108	16.50	16.70	16.64	
40	PI/2 BPSK	1	214	16.39	16.47	16.33	
40	PI/2 BPSK	108	0	16.75	16.79	16.73	17.0
40	PI/2 BPSK	108	54	16.63	16.72	16.64	17.0
40	PI/2 BPSK	108	108	16.63	16.77	16.70	17.0
40	PI/2 BPSK	216	0	16.69	16.76	16.72	
40	QPSK	1	1	16.52	16.70	16.67	17.0
40	QPSK	1	108	16.56	16.71	16.57	
40	QPSK	1	214	16.31	16.44	16.28	
40	QPSK	108	0	16.77	16.79	16.78	17.0
40	QPSK	108	54	16.62	16.71	16.51	17.0
40	QPSK	108	108	16.61	16.62	16.59	17.0
40	QPSK	216	0	16.53	16.70	16.52	
40	16QAM	1	1	16.54	16.71	16.66	17.0
40	64QAM	1	1	16.71	16.74	16.66	17.0
40	256QAM	1	1	16.56	16.71	16.58	17.0
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	16.67	16.66	16.58	17.0
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	16.65	16.81	16.57	17.0
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	16.60	16.64	16.59	17.0
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	16.61	16.64	16.63	17.0
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	16.67	16.67	16.65	17.0
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	16.68	16.77	16.55	17.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	17.73	17.40	17.33	18.0
40	PI/2 BPSK	1	108	17.37	17.05	16.98	
40	PI/2 BPSK	1	214	17.33	17.01	16.94	
40	PI/2 BPSK	108	0	17.57	17.24	17.17	18.0
40	PI/2 BPSK	108	54	17.47	17.14	17.08	18.0
40	PI/2 BPSK	108	108	17.35	17.03	16.96	18.0
40	PI/2 BPSK	216	0	17.46	17.14	17.07	
40	QPSK	1	1	17.50	17.17	17.11	18.0
40	QPSK	1	108	17.41	17.09	17.02	
40	QPSK	1	214	17.36	17.04	16.97	
40	QPSK	108	0	17.56	17.23	17.16	18.0
40	QPSK	108	54	17.44	17.12	17.05	18.0
40	QPSK	108	108	17.34	17.02	16.95	18.0
40	QPSK	216	0	17.48	17.15	17.09	
40	16QAM	1	1	17.46	17.14	17.07	18.0
40	64QAM	1	1	17.52	17.19	17.12	18.0
40	256QAM	1	1	17.57	17.24	17.17	18.0
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	17.67	17.29	17.33	18.0
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	17.71	17.40	17.15	18.0
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	17.63	17.38	17.15	18.0
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	17.67	17.37	17.25	18.0
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	17.63	17.35	17.25	18.0
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	17.70	17.36	17.19	18.0



<FR1 n70\_Ant 0\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					340500		
Frequency (MHz)					1702.5		
15	PI/2 BPSK	1	1	23.39	23.44	23.42	24.0
15	PI/2 BPSK	1	40	23.20	23.36	23.29	
15	PI/2 BPSK	1	77	23.16	23.20	23.00	
15	PI/2 BPSK	36	0	22.74	22.75	22.64	23.5
15	PI/2 BPSK	36	22	23.02	23.21	23.12	24.0
15	PI/2 BPSK	36	43	23.00	23.12	23.11	23.5
15	PI/2 BPSK	75	0	23.04	23.14	22.99	
15	QPSK	1	1	23.37	23.41	23.39	24.0
15	QPSK	1	40	23.11	23.30	23.21	
15	QPSK	1	77	23.05	23.21	23.08	
15	QPSK	36	0	22.75	22.81	22.65	23.0
15	QPSK	36	22	23.05	23.20	23.20	24.0
15	QPSK	36	43	22.75	22.87	22.87	23.0
15	QPSK	75	0	22.83	22.89	22.77	
15	16QAM	1	1	22.05	22.07	21.91	23.0
15	64QAM	1	1	20.74	20.81	20.80	21.5
15	256QAM	1	1	18.80	18.82	18.81	19.5
Channel				340000	340500	341000	Tune-up limit (dBm)
Frequency (MHz)				1700	1702.5	1705	
10	PI/2 BPSK	1	1	23.23	23.42	23.22	24.0
Channel				339500	340500	341500	Tune-up limit (dBm)
Frequency (MHz)				1697.5	1702.5	1707.5	
5	PI/2 BPSK	1	1	23.24	23.25	23.24	24.0



<FR1 n70\_Ant 2\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					340500		
Frequency (MHz)					1702.5		
15	PI/2 BPSK	1	1		23.71		24.0
15	PI/2 BPSK	1	40		23.61		
15	PI/2 BPSK	1	77		23.29		
15	PI/2 BPSK	36	0		22.93		23.5
15	PI/2 BPSK	36	22		23.43		24.0
15	PI/2 BPSK	36	43		22.85		23.5
15	PI/2 BPSK	75	0		22.96		
15	QPSK	1	1		23.58		24.0
15	QPSK	1	40		23.63		
15	QPSK	1	77		23.34		
15	QPSK	36	0		22.42		23.0
15	QPSK	36	22		23.41		24.0
15	QPSK	36	43		22.34		23.0
15	QPSK	75	0		22.45		
15	16QAM	1	1		22.80		23.0
15	64QAM	1	1		21.13		21.5
15	256QAM	1	1		18.84		19.5
Channel				340000	340500	341000	Tune-up limit (dBm)
Frequency (MHz)				1700	1702.5	1705	
10	PI/2 BPSK	1	1	23.59	23.65	23.54	24.0
Channel				339500	340500	341500	Tune-up limit (dBm)
Frequency (MHz)				1697.5	1702.5	1707.5	
5	PI/2 BPSK	1	1	23.66	23.51	23.69	24.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					340500		
Frequency (MHz)					1702.5		
15	PI/2 BPSK	1	1		21.32		21.5
15	PI/2 BPSK	1	40		21.00		
15	PI/2 BPSK	1	77		21.14		
15	PI/2 BPSK	36	0		21.20		21.5
15	PI/2 BPSK	36	22		21.10		21.5
15	PI/2 BPSK	36	43		21.09		21.5
15	PI/2 BPSK	75	0		21.16		
15	QPSK	1	1		21.09		21.5
15	QPSK	1	40		21.13		
15	QPSK	1	77		21.17		
15	QPSK	36	0		21.05		21.5
15	QPSK	36	22		21.16		21.5
15	QPSK	36	43		21.23		21.5
15	QPSK	75	0		21.20		
15	16QAM	1	1		21.11		21.5
15	64QAM	1	1		20.60		21.5
15	256QAM	1	1		18.81		19.0
Channel				340000	340500	341000	Tune-up limit (dBm)
Frequency (MHz)				1700	1702.5	1705	
10	PI/2 BPSK	1	1	21.20	21.26	21.24	21.5
Channel				339500	340500	341500	Tune-up limit (dBm)
Frequency (MHz)				1697.5	1702.5	1707.5	
5	PI/2 BPSK	1	1	21.24	21.24	21.22	21.5



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					340500		
Frequency (MHz)					1702.5		
15	PI/2 BPSK	1	1		19.47		19.5
15	PI/2 BPSK	1	40		19.38		
15	PI/2 BPSK	1	77		19.18		
15	PI/2 BPSK	36	0		19.25		19.5
15	PI/2 BPSK	36	22		19.24		19.5
15	PI/2 BPSK	36	43		19.20		19.5
15	PI/2 BPSK	75	0		19.31		
15	QPSK	1	1		19.30		19.5
15	QPSK	1	40		19.43		
15	QPSK	1	77		19.21		
15	QPSK	36	0		19.28		19.5
15	QPSK	36	22		19.24		19.5
15	QPSK	36	43		19.18		19.5
15	QPSK	75	0		19.33		
15	16QAM	1	1		19.42		19.5
15	64QAM	1	1		19.43		19.5
15	256QAM	1	1		18.77		19.5
Channel				340000	340500	341000	Tune-up limit (dBm)
Frequency (MHz)				1700	1702.5	1705	
10	PI/2 BPSK	1	1	19.19	19.20	19.28	19.5
Channel				339500	340500	341500	Tune-up limit (dBm)
Frequency (MHz)				1697.5	1702.5	1707.5	
5	PI/2 BPSK	1	1	19.36	19.20	19.26	19.5



<FR1 n70\_Ant 0\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					340500		
Frequency (MHz)					1702.5		
15	PI/2 BPSK	1	1		15.88		16.0
15	PI/2 BPSK	1	40		15.76		
15	PI/2 BPSK	1	77		15.60		
15	PI/2 BPSK	36	0		15.69		16.0
15	PI/2 BPSK	36	22		15.55		16.0
15	PI/2 BPSK	36	43		15.50		16.0
15	PI/2 BPSK	75	0		15.67		
15	QPSK	1	1		15.69		16.0
15	QPSK	1	40		15.59		
15	QPSK	1	77		15.51		
15	QPSK	36	0		15.58		16.0
15	QPSK	36	22		15.60		16.0
15	QPSK	36	43		15.69		16.0
15	QPSK	75	0		15.50		
15	16QAM	1	1		15.55		16.0
15	64QAM	1	1		15.52		16.0
15	256QAM	1	1		15.57		16.0
Channel				340000	340500	341000	Tune-up limit (dBm)
Frequency (MHz)				1700	1702.5	1705	
10	PI/2 BPSK	1	1	15.79	15.85	15.82	16.0
Channel				339500	340500	341500	Tune-up limit (dBm)
Frequency (MHz)				1697.5	1702.5	1707.5	
5	PI/2 BPSK	1	1	15.82	15.76	15.62	16.0



<FR1 n70\_Ant 2\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					340500		
Frequency (MHz)					1702.5		
15	PI/2 BPSK	1	1		17.47		17.5
15	PI/2 BPSK	1	40		17.44		
15	PI/2 BPSK	1	77		17.23		
15	PI/2 BPSK	36	0		17.36		17.5
15	PI/2 BPSK	36	22		17.34		17.5
15	PI/2 BPSK	36	43		17.28		17.5
15	PI/2 BPSK	75	0		17.38		
15	QPSK	1	1		17.34		17.5
15	QPSK	1	40		17.43		
15	QPSK	1	77		17.30		
15	QPSK	36	0		17.34		17.5
15	QPSK	36	22		17.32		17.5
15	QPSK	36	43		17.26		17.5
15	QPSK	75	0		17.41		
15	16QAM	1	1		17.33		17.5
15	64QAM	1	1		17.21		17.5
15	256QAM	1	1		17.25		17.5
Channel				340000	340500	341000	Tune-up limit (dBm)
Frequency (MHz)				1700	1702.5	1705	
10	PI/2 BPSK	1	1	17.38	17.42	17.29	17.5
Channel				339500	340500	341500	Tune-up limit (dBm)
Frequency (MHz)				1697.5	1702.5	1707.5	
5	PI/2 BPSK	1	1	17.42	17.33	17.28	17.5





<FR1 n71\_Ant 0\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				134600	136100	137600	
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	23.37	23.42	23.41	24.0
20	PI/2 BPSK	1	53	23.14	23.27	23.23	
20	PI/2 BPSK	1	104	23.04	23.07	23.00	
20	PI/2 BPSK	50	0	22.68	22.78	22.75	23.5
20	PI/2 BPSK	50	28	23.28	23.30	23.13	24.0
20	PI/2 BPSK	50	56	22.62	22.70	22.56	23.5
20	PI/2 BPSK	100	0	22.64	22.82	22.63	
20	QPSK	1	1	23.16	23.30	23.26	24.0
20	QPSK	1	53	23.19	23.24	23.04	
20	QPSK	1	104	22.88	23.03	22.86	
20	QPSK	50	0	22.23	22.39	22.23	23.0
20	QPSK	50	28	22.22	22.33	22.15	24.0
20	QPSK	50	56	22.14	22.33	22.29	23.0
20	QPSK	100	0	22.27	22.44	22.25	
20	16QAM	1	1	22.42	22.54	22.41	23.0
20	64QAM	1	1	21.07	21.07	20.98	21.5
20	256QAM	1	1	18.67	18.70	18.53	19.5
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	23.36	23.32	23.33	24.0
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	23.34	23.36	23.28	24.0
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	23.14	23.14	23.23	24.0



<FR1 n71\_Ant 0\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				134600	136100	137600	
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	22.20	22.32	22.22	22.5
20	PI/2 BPSK	1	53	21.99	22.00	21.95	
20	PI/2 BPSK	1	104	22.03	22.14	22.07	
20	PI/2 BPSK	50	0	22.06	22.20	22.06	22.5
20	PI/2 BPSK	50	28	22.03	22.10	22.05	22.5
20	PI/2 BPSK	50	56	21.91	22.09	21.94	22.5
20	PI/2 BPSK	100	0	22.02	22.16	22.09	
20	QPSK	1	1	22.09	22.09	21.89	22.5
20	QPSK	1	53	21.97	22.13	21.93	
20	QPSK	1	104	22.15	22.17	21.97	
20	QPSK	50	0	21.88	22.05	21.86	22.5
20	QPSK	50	28	22.15	22.16	22.14	22.5
20	QPSK	50	56	22.04	22.23	22.20	22.5
20	QPSK	100	0	22.06	22.20	22.13	
20	16QAM	1	1	22.05	22.11	22.11	22.5
20	64QAM	1	1	20.92	21.07	20.92	21.5
20	256QAM	1	1	18.63	18.70	18.61	19.0
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	22.10	22.31	22.12	22.5
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	22.20	22.26	22.12	22.5
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	22.10	22.31	22.06	22.5



<FR1 n71\_Ant 0\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				134600	136100	137600	
Frequency (MHz)				673	680.5	688	
20	PI/2 BPSK	1	1	18.71	18.73	18.71	19.0
20	PI/2 BPSK	1	53	18.64	18.70	18.67	
20	PI/2 BPSK	1	104	18.69	18.69	18.69	
20	PI/2 BPSK	50	0	18.58	18.69	18.64	19.0
20	PI/2 BPSK	50	28	18.53	18.60	18.53	19.0
20	PI/2 BPSK	50	56	18.54	18.59	18.41	19.0
20	PI/2 BPSK	100	0	18.62	18.64	18.49	
20	QPSK	1	1	18.40	18.55	18.37	19.0
20	QPSK	1	53	18.54	18.54	18.43	
20	QPSK	1	104	18.55	18.67	18.67	
20	QPSK	50	0	18.45	18.59	18.53	19.0
20	QPSK	50	28	18.43	18.59	18.46	19.0
20	QPSK	50	56	18.33	18.53	18.44	19.0
20	QPSK	100	0	18.38	18.58	18.47	
20	16QAM	1	1	18.41	18.42	18.35	19.0
20	64QAM	1	1	18.20	18.38	18.23	19.0
20	256QAM	1	1	18.58	18.70	18.46	19.0
Channel				134100	136100	138100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	PI/2 BPSK	1	1	18.66	18.68	18.68	19.0
Channel				133600	136100	138600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	PI/2 BPSK	1	1	18.68	18.58	18.53	19.0
Channel				133100	136100	139100	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	PI/2 BPSK	1	1	18.63	18.67	18.65	19.0



<FR1 n38\_Ant 0\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	23.04	23.11	22.92	24.0
40	PI/2 BPSK	1	53	22.98	22.98	22.87	
40	PI/2 BPSK	1	104	23.00	23.09	22.87	
40	PI/2 BPSK	50	0	22.46	22.50	22.49	23.5
40	PI/2 BPSK	50	28	22.41	22.46	22.44	24.0
40	PI/2 BPSK	50	56	22.40	22.43	22.29	23.5
40	PI/2 BPSK	100	0	22.46	22.52	22.32	
40	QPSK	1	1	22.86	22.98	22.75	24.0
40	QPSK	1	53	22.81	22.96	22.71	
40	QPSK	1	104	22.90	22.89	22.75	
40	QPSK	50	0	22.38	22.36	22.43	24.0
40	QPSK	50	28	22.35	22.31	22.42	
40	QPSK	50	56	22.30	22.25	22.16	
40	QPSK	100	0	22.46	22.44	22.31	23.0
40	16QAM	1	1	22.03	21.90	21.89	23.0
40	64QAM	1	1	20.43	20.53	20.29	21.5
40	256QAM	1	1	18.33	18.39	18.41	19.5
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	22.89	22.99	22.90	24.0
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	22.84	23.03	22.86	24.0
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	22.90	23.06	22.92	24.0
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	22.88	23.00	22.72	24.0



<FR1 n38\_Ant 2\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	23.11	23.16	23.30	24.0
40	PI/2 BPSK	1	53	22.93	22.98	23.14	
40	PI/2 BPSK	1	104	22.94	22.99	23.15	
40	PI/2 BPSK	50	0	22.54	22.58	22.74	23.5
40	PI/2 BPSK	50	28	22.95	23.00	23.16	24.0
40	PI/2 BPSK	50	56	22.39	22.44	22.59	23.5
40	PI/2 BPSK	100	0	22.48	22.52	22.68	
40	QPSK	1	1	22.95	23.00	23.16	24.0
40	QPSK	1	53	22.79	22.84	23.00	
40	QPSK	1	104	22.78	22.83	22.99	
40	QPSK	50	0	22.05	22.10	22.25	24.0
40	QPSK	50	28	22.92	22.97	23.13	
40	QPSK	50	56	22.06	22.01	22.06	
40	QPSK	100	0	21.94	21.99	22.14	23.0
40	16QAM	1	1	22.10	22.15	22.30	23.0
40	64QAM	1	1	20.48	20.53	20.67	21.5
40	256QAM	1	1	18.41	18.45	18.58	19.5
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	22.97	23.03	23.23	24.0
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	23.06	22.98	23.19	24.0
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	23.02	22.98	23.21	24.0
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	23.00	23.04	23.14	24.0



<FR1 n38\_Ant 0\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	16.25	16.38	16.20	16.5
40	PI/2 BPSK	1	53	16.24	16.32	16.17	
40	PI/2 BPSK	1	104	15.94	16.07	16.03	
40	PI/2 BPSK	50	0	16.23	16.28	16.07	16.5
40	PI/2 BPSK	50	28	16.22	16.24	16.04	16.5
40	PI/2 BPSK	50	56	16.19	16.27	16.06	16.5
40	PI/2 BPSK	100	0	15.90	16.19	16.13	
40	QPSK	1	1	16.09	16.29	16.18	16.5
40	QPSK	1	53	16.13	16.37	16.12	
40	QPSK	1	104	16.06	16.23	16.34	
40	QPSK	50	0	16.16	16.15	16.18	16.5
40	QPSK	50	28	16.02	16.24	16.26	
40	QPSK	50	56	16.06	16.37	16.11	
40	QPSK	100	0	16.27	16.37	16.16	16.5
40	16QAM	1	1	16.05	16.24	16.10	16.5
40	64QAM	1	1	16.00	16.08	16.19	16.5
40	256QAM	1	1	15.97	16.07	16.22	16.5
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	16.24	16.24	16.01	16.5
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	16.34	16.07	16.04	16.5
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	16.33	16.23	16.01	16.5
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	16.28	16.24	16.02	16.5



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	15.87	15.83	15.90	16.0
40	PI/2 BPSK	1	53	15.60	15.56	15.63	
40	PI/2 BPSK	1	104	15.54	15.50	15.57	
40	PI/2 BPSK	50	0	15.72	15.69	15.75	16.0
40	PI/2 BPSK	50	28	15.57	15.53	15.60	16.0
40	PI/2 BPSK	50	56	15.72	15.68	15.71	16.0
40	PI/2 BPSK	100	0	15.69	15.65	15.72	
40	QPSK	1	1	15.72	15.68	15.75	16.0
40	QPSK	1	53	15.48	15.44	15.51	
40	QPSK	1	104	15.47	15.43	15.50	
40	QPSK	50	0	15.68	15.64	15.71	16.0
40	QPSK	50	28	15.55	15.51	15.58	
40	QPSK	50	56	15.69	15.65	15.72	
40	QPSK	100	0	15.67	15.63	15.70	16.0
40	16QAM	1	1	15.81	15.77	15.84	16.0
40	64QAM	1	1	15.68	15.64	15.71	16.0
40	256QAM	1	1	15.59	15.55	15.62	16.0
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	15.70	15.73	15.79	16.0
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	15.82	15.65	15.71	16.0
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	15.71	15.78	15.72	16.0
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	15.78	15.64	15.82	16.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	13.70	13.91	13.68	14.0
40	PI/2 BPSK	1	53	13.70	13.84	13.66	
40	PI/2 BPSK	1	104	13.60	13.76	13.52	
40	PI/2 BPSK	50	0	13.62	13.74	13.53	14.0
40	PI/2 BPSK	50	28	13.60	13.64	13.55	14.0
40	PI/2 BPSK	50	56	13.43	13.59	13.41	14.0
40	PI/2 BPSK	100	0	13.61	13.78	13.57	
40	QPSK	1	1	13.64	13.87	13.52	14.0
40	QPSK	1	53	13.65	13.72	13.54	
40	QPSK	1	104	13.60	13.69	13.44	
40	QPSK	50	0	13.50	13.66	13.40	14.0
40	QPSK	50	28	13.60	13.58	13.49	
40	QPSK	50	56	13.33	13.58	13.41	
40	QPSK	100	0	13.47	13.76	13.37	14.0
40	16QAM	1	1	13.41	13.51	13.38	14.0
40	64QAM	1	1	13.39	13.58	13.39	14.0
40	256QAM	1	1	13.33	13.63	13.44	14.0
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	13.52	13.74	13.58	14.0
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	13.60	13.75	13.59	14.0
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	13.69	13.84	13.66	14.0
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	13.70	13.80	13.52	14.0





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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	13.70	13.91	13.68	
40	PI/2 BPSK	1	53	13.70	13.84	13.66	14.0
40	PI/2 BPSK	1	104	13.60	13.76	13.52	14.0
40	PI/2 BPSK	50	0	13.62	13.74	13.53	
40	PI/2 BPSK	50	28	13.60	13.64	13.55	14.0
40	PI/2 BPSK	50	56	13.43	13.59	13.41	14.0
40	PI/2 BPSK	100	0	13.61	13.78	13.57	
40	QPSK	1	1	13.64	13.87	13.52	14.0
40	QPSK	1	53	13.65	13.72	13.54	
40	QPSK	1	104	13.60	13.69	13.44	
40	QPSK	50	0	13.50	13.66	13.40	14.0
40	QPSK	50	28	13.60	13.58	13.49	
40	QPSK	50	56	13.33	13.58	13.41	
40	QPSK	100	0	13.47	13.76	13.37	14.0
40	16QAM	1	1	13.41	13.51	13.38	14.0
40	64QAM	1	1	13.39	13.58	13.39	14.0
40	256QAM	1	1	13.33	13.63	13.44	14.0
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	13.52	13.74	13.58	14.0
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	13.60	13.75	13.59	14.0
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	13.69	13.84	13.66	14.0
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	13.70	13.80	13.52	14.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	14.36	14.27	14.40	
40	PI/2 BPSK	1	53	14.15	14.06	14.19	14.5
40	PI/2 BPSK	1	104	14.22	14.13	14.26	14.5
40	PI/2 BPSK	50	0	14.25	14.16	14.29	
40	PI/2 BPSK	50	28	14.15	14.06	14.19	14.5
40	PI/2 BPSK	50	56	14.16	14.07	14.20	14.5
40	PI/2 BPSK	100	0	14.14	14.05	14.18	
40	QPSK	1	1	14.33	14.24	14.37	14.5
40	QPSK	1	53	14.13	14.04	14.17	
40	QPSK	1	104	14.17	14.08	14.21	
40	QPSK	50	0	14.21	14.12	14.25	14.5
40	QPSK	50	28	14.17	14.08	14.21	
40	QPSK	50	56	14.12	14.03	14.16	
40	QPSK	100	0	14.14	14.05	14.18	14.5
40	16QAM	1	1	14.33	14.24	14.37	14.5
40	64QAM	1	1	14.23	14.14	14.27	14.5
40	256QAM	1	1	13.94	13.85	13.98	14.5
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	14.5
30	PI/2 BPSK	1	1	14.23	14.15	14.39	
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	14.5
20	PI/2 BPSK	1	1	14.31	14.16	14.25	
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	14.5
15	PI/2 BPSK	1	1	14.34	14.23	14.36	
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	14.5
10	PI/2 BPSK	1	1	14.33	14.12	14.24	



<FR1 n41\_Ant 0\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	Tune-up limit (dBm)
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	23.05	23.31	22.99	24.0
100	PI/2 BPSK	1	137	23.04	23.26	22.93	
100	PI/2 BPSK	1	271	23.02	23.19	22.78	
100	PI/2 BPSK	135	0	22.93	23.16	22.78	23.5
100	PI/2 BPSK	135	69	23.12	23.08	22.77	24.0
100	PI/2 BPSK	135	138	22.98	23.06	22.71	23.5
100	PI/2 BPSK	270	0	22.96	23.15	22.75	
100	QPSK	1	1	23.04	23.23	22.97	24.0
100	QPSK	1	137	22.87	23.23	22.77	
100	QPSK	1	271	22.90	23.14	22.63	
100	QPSK	135	0	22.73	23.06	22.61	24.0
100	QPSK	135	69	23.08	23.06	22.57	
100	QPSK	135	138	22.82	22.86	22.54	
100	QPSK	270	0	22.78	22.70	22.66	23.0
100	16QAM	1	1	23.00	22.98	22.81	23.0
100	64QAM	1	1	22.84	22.97	22.90	24.0
100	256QAM	1	1	21.14	21.26	21.02	23.0
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	22.85	23.16	22.82	24.0
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	22.87	23.28	22.95	24.0
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	22.85	23.16	22.98	24.0
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	22.91	23.23	22.87	24.0
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	23.05	23.15	22.89	24.0
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	22.97	23.22	22.90	24.0
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	22.97	23.21	22.99	24.0
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	22.87	23.17	22.79	24.0
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	22.88	23.17	22.98	24.0
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	22.90	23.31	22.80	24.0



<FR1 n41\_Ant 2\_Sensor OFF\_NB/TN>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	22.62	23.32	22.92	24.0
100	PI/2 BPSK	1	137	22.53	23.21	22.83	
100	PI/2 BPSK	1	271	22.52	23.20	22.82	
100	PI/2 BPSK	135	0	22.29	23.16	22.59	23.5
100	PI/2 BPSK	135	69	22.54	23.21	22.67	24.0
100	PI/2 BPSK	135	138	22.41	23.08	22.70	23.5
100	PI/2 BPSK	270	0	22.31	22.98	22.61	
100	QPSK	1	1	22.45	23.12	22.74	24.0
100	QPSK	1	137	22.59	23.27	22.89	
100	QPSK	1	271	22.50	23.18	22.80	
100	QPSK	135	0	22.30	22.97	22.60	24.0
100	QPSK	135	69	22.36	23.03	22.65	
100	QPSK	135	138	22.35	23.02	22.64	
100	QPSK	270	0	22.33	23.00	22.62	23.0
100	16QAM	1	1	22.13	22.80	22.43	23.0
100	64QAM	1	1	20.47	21.09	20.75	21.5
100	256QAM	1	1	18.47	19.03	18.72	19.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	22.55	23.12	22.75	24.0
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	22.59	23.29	22.74	24.0
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	22.52	23.25	22.78	24.0
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	22.52	23.13	22.75	24.0
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	22.43	23.12	22.73	24.0
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	22.46	23.25	22.80	24.0
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	22.45	23.24	22.78	24.0
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	22.57	23.27	22.74	24.0
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	22.57	23.10	22.90	24.0
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	22.48	23.21	22.90	24.0



<FR1 n41\_Ant 0\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	15.88	16.40	15.72	16.5
100	PI/2 BPSK	1	137	15.85	16.05	15.61	
100	PI/2 BPSK	1	271	15.81	16.08	15.64	
100	PI/2 BPSK	135	0	15.89	16.15	15.79	16.5
100	PI/2 BPSK	135	69	15.86	16.14	15.69	16.5
100	PI/2 BPSK	135	138	15.79	16.00	15.77	16.5
100	PI/2 BPSK	270	0	15.80	16.11	15.77	
100	QPSK	1	1	15.78	15.97	15.68	16.5
100	QPSK	1	137	15.85	16.14	15.63	
100	QPSK	1	271	15.96	16.11	15.77	
100	QPSK	135	0	15.88	16.06	15.76	16.5
100	QPSK	135	69	15.79	16.13	15.69	
100	QPSK	135	138	15.86	16.13	15.77	
100	QPSK	270	0	15.82	16.06	15.72	16.5
100	16QAM	1	1	15.81	16.11	15.78	16.5
100	64QAM	1	1	15.79	16.11	15.77	16.5
100	256QAM	1	1	15.86	15.99	15.67	16.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	15.76	16.00	15.60	16.5
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	15.83	16.04	15.56	16.5
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	15.82	15.87	15.41	16.5
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	15.84	15.95	15.49	16.5
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	15.80	16.01	15.53	16.5
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	15.84	16.05	15.55	16.5
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	15.83	16.02	15.53	16.5
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	15.67	15.97	15.52	16.5
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	15.83	15.86	15.46	16.5
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	15.66	15.97	15.50	16.5



<FR1 n41\_Ant 0\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	15.44	15.96	15.47	16.0
100	PI/2 BPSK	1	137	15.30	15.52	15.33	
100	PI/2 BPSK	1	271	15.30	15.52	15.33	
100	PI/2 BPSK	135	0	15.36	15.56	15.39	16.0
100	PI/2 BPSK	135	69	15.30	15.52	15.33	16.0
100	PI/2 BPSK	135	138	15.30	15.52	15.33	16.0
100	PI/2 BPSK	270	0	15.26	15.48	15.29	
100	QPSK	1	1	15.27	15.49	15.30	16.0
100	QPSK	1	137	15.33	15.55	15.36	
100	QPSK	1	271	15.28	15.50	15.31	
100	QPSK	135	0	15.22	15.44	15.25	16.0
100	QPSK	135	69	15.27	15.49	15.30	
100	QPSK	135	138	15.30	15.52	15.33	
100	QPSK	270	0	15.26	15.48	15.29	16.0
100	16QAM	1	1	15.37	15.59	15.40	16.0
100	64QAM	1	1	15.40	15.62	15.43	16.0
100	256QAM	1	1	15.10	15.32	15.13	16.0
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	15.24	15.63	15.27	16.0
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	15.31	15.56	15.47	16.0
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	15.35	15.55	15.33	16.0
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	15.33	15.49	15.39	16.0
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	15.39	15.63	15.32	16.0
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	15.37	15.63	15.38	16.0
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	15.33	15.48	15.45	16.0
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	15.35	15.59	15.38	16.0
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	15.39	15.62	15.41	16.0
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	15.31	15.49	15.47	16.0



<FR1 n41\_Ant 0\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	13.51	13.66	13.34	14.0
100	PI/2 BPSK	1	137	13.22	13.51	13.22	
100	PI/2 BPSK	1	271	13.12	13.46	13.13	
100	PI/2 BPSK	135	0	13.18	13.37	13.28	14.0
100	PI/2 BPSK	135	69	13.12	13.14	13.21	14.0
100	PI/2 BPSK	135	138	13.05	13.28	13.22	14.0
100	PI/2 BPSK	270	0	13.21	13.39	13.18	
100	QPSK	1	1	13.24	13.47	13.13	14.0
100	QPSK	1	137	13.20	13.28	13.15	
100	QPSK	1	271	13.14	13.24	12.97	
100	QPSK	135	0	13.06	13.22	13.05	14.0
100	QPSK	135	69	13.15	13.19	13.11	
100	QPSK	135	138	13.03	13.11	13.09	
100	QPSK	270	0	13.01	13.28	13.00	14.0
100	16QAM	1	1	13.06	13.03	13.06	14.0
100	64QAM	1	1	13.07	13.11	13.07	14.0
100	256QAM	1	1	12.95	13.15	12.96	14.0
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	13.30	13.40	13.27	14.0
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	13.40	13.48	13.17	14.0
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	13.25	13.51	13.18	14.0
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	13.38	13.44	13.23	14.0
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	13.31	13.50	13.33	14.0
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	13.25	13.43	13.17	14.0
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	13.40	13.34	13.35	14.0
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	13.21	13.41	13.23	14.0
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	13.35	13.42	13.17	14.0
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	13.25	13.36	13.20	14.0



<FR1 n41\_Ant 0\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	13.51	13.66	13.34	14.0
100	PI/2 BPSK	1	137	13.22	13.51	13.22	
100	PI/2 BPSK	1	271	13.12	13.46	13.13	
100	PI/2 BPSK	135	0	13.18	13.37	13.28	14.0
100	PI/2 BPSK	135	69	13.12	13.14	13.21	14.0
100	PI/2 BPSK	135	138	13.05	13.28	13.22	14.0
100	PI/2 BPSK	270	0	13.21	13.39	13.18	
100	QPSK	1	1	13.24	13.47	13.13	14.0
100	QPSK	1	137	13.20	13.28	13.15	
100	QPSK	1	271	13.14	13.24	12.97	
100	QPSK	135	0	13.06	13.22	13.05	14.0
100	QPSK	135	69	13.15	13.19	13.11	
100	QPSK	135	138	13.03	13.11	13.09	
100	QPSK	270	0	13.01	13.28	13.00	14.0
100	16QAM	1	1	13.06	13.03	13.06	14.0
100	64QAM	1	1	13.07	13.11	13.07	14.0
100	256QAM	1	1	12.95	13.15	12.96	14.0
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	13.30	13.40	13.27	14.0
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	13.40	13.48	13.17	14.0
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	13.25	13.51	13.18	14.0
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	13.38	13.44	13.23	14.0
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	13.31	13.50	13.33	14.0
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	13.25	13.43	13.17	14.0
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	13.40	13.34	13.35	14.0
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	13.21	13.41	13.23	14.0
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	13.35	13.42	13.17	14.0
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	13.25	13.36	13.20	14.0





<FR1 n41\_Ant 2\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	13.94	14.45	13.92	14.5
100	PI/2 BPSK	1	137	13.67	13.88	13.65	
100	PI/2 BPSK	1	271	13.78	13.99	13.76	
100	PI/2 BPSK	135	0	13.87	14.18	13.85	14.5
100	PI/2 BPSK	135	69	13.91	14.12	13.89	14.5
100	PI/2 BPSK	135	138	13.81	14.02	13.79	14.5
100	PI/2 BPSK	270	0	13.88	14.09	13.86	
100	QPSK	1	1	13.69	13.90	13.67	14.5
100	QPSK	1	137	13.88	14.09	13.86	
100	QPSK	1	271	13.75	13.96	13.73	
100	QPSK	135	0	13.85	14.06	13.83	14.5
100	QPSK	135	69	13.90	14.11	13.88	
100	QPSK	135	138	13.78	13.99	13.76	
100	QPSK	270	0	13.79	14.00	13.77	14.5
100	16QAM	1	1	13.72	13.93	13.70	14.5
100	64QAM	1	1	13.61	13.82	13.60	14.5
100	256QAM	1	1	13.72	13.93	13.70	14.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	13.93	14.41	13.78	14.5
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	13.83	14.25	13.74	14.5
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	13.83	14.34	13.78	14.5
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	13.75	14.33	13.73	14.5
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	13.82	14.31	13.90	14.5
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	13.88	14.35	13.82	14.5
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	13.88	14.38	13.91	14.5
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	13.77	14.25	13.92	14.5
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	13.85	14.43	13.76	14.5
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	13.74	14.43	13.91	14.5



<FR1 n41\_Ant 1\_Sensor OFF(SRS)\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	11.5
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	11.37	11.48	11.42	11.5
100	PI/2 BPSK	1	137	11.22	11.33	11.24	
100	PI/2 BPSK	1	271	10.94	10.99	10.85	
100	PI/2 BPSK	135	0	11.33	11.40	11.31	11.5
100	PI/2 BPSK	135	69	11.15	11.31	11.15	11.5
100	PI/2 BPSK	135	138	10.99	11.13	10.95	11.5
100	PI/2 BPSK	270	0	11.24	11.35	11.23	
100	QPSK	1	1	11.29	11.40	11.38	11.5
100	QPSK	1	137	11.21	11.33	11.31	
100	QPSK	1	271	10.77	10.94	10.90	
100	QPSK	135	0	11.26	11.40	11.34	11.5
100	QPSK	135	69	11.23	11.30	11.21	
100	QPSK	135	138	11.06	11.13	11.05	
100	QPSK	270	0	11.24	11.33	11.19	11.5
100	16QAM	1	1	11.35	11.40	11.40	11.5
100	64QAM	1	1	11.22	11.39	11.34	11.5
100	256QAM	1	1	11.39	11.46	11.31	11.5
Channel				508200	518598	528996	11.5
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	11.27	11.32	11.25	11.5
Channel				507204	518598	529998	11.5
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	11.35	11.31	11.36	11.5
Channel				506202	518598	531000	11.5
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	11.33	11.38	11.37	11.5
Channel				505200	518598	531996	11.5
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	11.20	11.44	11.34	11.5
Channel				504204	518598	532998	11.5
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	11.30	11.30	11.33	11.5
Channel				503202	518598	534000	11.5
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	11.23	11.43	11.36	11.5
Channel				502200	518598	534996	11.5
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	11.28	11.35	11.26	11.5
Channel				501204	518598	535998	11.5
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	11.33	11.33	11.39	11.5
Channel				500700	518598	536496	11.5
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	11.18	11.32	11.40	11.5
Channel				500202	518598	537000	11.5
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	11.18	11.38	11.28	11.5



<FR1 n41\_Ant 3\_Sensor OFF(SRS)\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	Tune-up limit (dBm)
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	15.02	15.17	14.95	15.5
100	PI/2 BPSK	1	137	14.93	14.97	14.80	
100	PI/2 BPSK	1	271	14.62	14.79	14.62	
100	PI/2 BPSK	135	0	14.81	15.01	14.88	15.5
100	PI/2 BPSK	135	69	14.79	14.88	14.84	15.5
100	PI/2 BPSK	135	138	14.66	14.66	14.49	15.5
100	PI/2 BPSK	270	0	14.96	15.03	14.89	
100	QPSK	1	1	14.95	15.06	14.89	15.5
100	QPSK	1	137	14.87	14.99	14.79	
100	QPSK	1	271	14.72	14.88	14.80	
100	QPSK	135	0	14.74	14.84	14.82	15.5
100	QPSK	135	69	14.75	14.79	14.79	
100	QPSK	135	138	14.51	14.65	14.54	
100	QPSK	270	0	14.95	14.98	14.97	15.5
100	16QAM	1	1	14.93	15.04	14.95	15.5
100	64QAM	1	1	14.80	14.88	14.86	15.5
100	256QAM	1	1	14.97	14.98	14.96	15.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	14.86	15.12	14.85	15.5
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	15.00	14.99	14.84	15.5
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	14.96	15.13	14.81	15.5
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	15.01	14.96	14.75	15.5
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	14.95	15.14	14.83	15.5
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	15.01	15.11	14.82	15.5
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	14.84	15.15	14.92	15.5
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	14.93	15.08	14.76	15.5
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	14.82	14.97	14.89	15.5
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	14.99	15.04	14.81	15.5



<FR1 n41\_HPUE\_Ant 0\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	26.12	26.31	26.25	27.0
100	PI/2 BPSK	1	137	25.89	26.01	25.87	
100	PI/2 BPSK	1	271	25.89	25.92	25.73	
100	PI/2 BPSK	135	0	25.41	25.45	25.32	26.5
100	PI/2 BPSK	135	69	26.02	26.04	26.02	27.0
100	PI/2 BPSK	135	138	25.24	25.34	25.15	26.5
100	PI/2 BPSK	270	0	25.30	25.47	25.33	
100	QPSK	1	1	26.04	26.21	26.12	27.0
100	QPSK	1	137	26.03	26.11	25.96	
100	QPSK	1	271	25.70	25.87	25.75	
100	QPSK	135	0	25.03	25.09	25.06	27.0
100	QPSK	135	69	25.56	25.69	25.55	
100	QPSK	135	138	25.05	25.06	25.07	
100	QPSK	270	0	24.84	24.95	24.82	26.0
100	16QAM	1	1	25.09	25.24	25.13	26.0
100	64QAM	1	1	23.45	23.47	23.33	24.5
100	256QAM	1	1	21.38	21.56	21.36	22.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	25.97	26.11	26.07	27.0
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	25.98	26.20	26.07	27.0
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	26.05	26.16	26.23	27.0
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	26.00	26.24	26.06	27.0
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	26.02	26.27	26.24	27.0
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	26.01	26.24	26.17	27.0
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	26.06	26.18	26.22	27.0
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	26.11	26.23	26.06	27.0
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	25.95	26.28	26.13	27.0
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	25.99	26.25	26.08	27.0



<FR1 n41\_PC1.5\_Ant 0\_Sensor OFF\_NB/TB>

Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel	509202	518598	528000	
Frequency (MHz)	2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	25.23
100	PI/2 BPSK	1	137	25.18
100	PI/2 BPSK	1	271	25.19
100	PI/2 BPSK	135	0	25.19
100	PI/2 BPSK	135	69	24.61
100	PI/2 BPSK	135	138	24.56
100	PI/2 BPSK	270	0	24.59
100	QPSK	1	1	25.12
100	QPSK	1	137	25.15
100	QPSK	1	271	25.01
100	QPSK	135	0	24.61
100	QPSK	135	69	25.15
100	QPSK	135	138	24.95
100	QPSK	270	0	24.05
100	16QAM	1	1	23.98
100	64QAM	1	1	22.85
100	256QAM	1	1	20.26
Channel	508200	518598	528996	
Frequency (MHz)	2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	25.14
Channel	507204	518598	529998	
Frequency (MHz)	2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	25.17
Channel	506202	518598	531000	
Frequency (MHz)	2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	25.18
Channel	505200	518598	531996	
Frequency (MHz)	2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	25.02
Channel	504204	518598	532998	
Frequency (MHz)	2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	25.05
Channel	503202	518598	534000	
Frequency (MHz)	2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	25.16
Channel	502200	518598	534996	
Frequency (MHz)	2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	25.08
Channel	501204	518598	535998	
Frequency (MHz)	2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	25.15
Channel	500700	518598	536496	
Frequency (MHz)	2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	25.18
Channel	500202	518598	537000	
Frequency (MHz)	2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	25.08



<FR1 n41\_HPUE\_Ant 2\_Sensor OFF\_NB/TN>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	25.30	25.86	25.36	26.0
100	PI/2 BPSK	1	137	24.79	25.73	25.23	
100	PI/2 BPSK	1	271	24.62	25.55	25.06	
100	PI/2 BPSK	135	0	23.76	24.66	24.18	25.5
100	PI/2 BPSK	135	69	24.75	25.69	25.19	26.0
100	PI/2 BPSK	135	138	23.73	24.63	24.15	25.5
100	PI/2 BPSK	270	0	23.69	24.59	24.11	
100	QPSK	1	1	24.63	25.56	25.07	26.0
100	QPSK	1	137	24.77	25.71	25.21	
100	QPSK	1	271	24.65	25.59	25.10	
100	QPSK	135	0	24.20	25.12	24.63	26.0
100	QPSK	135	69	24.70	25.64	25.14	
100	QPSK	135	138	24.69	25.63	25.13	
100	QPSK	270	0	23.66	24.56	24.09	25.0
100	16QAM	1	1	23.50	24.39	23.92	25.0
100	64QAM	1	1	22.04	22.88	22.44	23.5
100	256QAM	1	1	20.31	21.08	20.67	21.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	25.26	25.77	25.22	26.0
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	25.11	25.72	25.17	26.0
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	25.15	25.75	25.19	26.0
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	25.27	25.83	25.23	26.0
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	25.17	25.84	25.16	26.0
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	25.30	25.72	25.31	26.0
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	25.29	25.75	25.35	26.0
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	25.30	25.84	25.25	26.0
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	25.18	25.81	25.32	26.0
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	25.22	25.82	25.31	26.0



<FR1 n41\_PC1.5\_Ant 2\_Sensor OFF\_NB/TB>

Channel	BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					509202	518598	528000	
Frequency (MHz)					2546.01	2592.99	2640	
100	PI/2 BPSK	1	1		24.92	24.96	24.85	25.0
100	PI/2 BPSK	1	137		24.79	24.83	24.72	
100	PI/2 BPSK	1	271		24.62	24.66	24.55	
100	PI/2 BPSK	135	0		23.76	23.80	23.70	24.5
100	PI/2 BPSK	135	69		24.76	24.80	24.69	25.0
100	PI/2 BPSK	135	138		23.73	23.77	23.67	24.5
100	PI/2 BPSK	270	0		23.69	23.73	23.63	
100	QPSK	1	1		24.63	24.67	24.56	25.0
100	QPSK	1	137		24.78	24.82	24.71	
100	QPSK	1	271		24.66	24.70	24.59	
100	QPSK	135	0		24.21	24.25	24.14	25.0
100	QPSK	135	69		24.71	24.75	24.64	
100	QPSK	135	138		24.70	24.74	24.63	
100	QPSK	270	0		23.67	23.71	23.61	24.0
100	16QAM	1	1		23.50	23.54	23.44	24.0
100	64QAM	1	1		22.04	22.08	21.98	22.5
100	256QAM	1	1		20.32	20.35	20.26	20.5
Channel					508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)					2541	2592.99	2644.98	
90	PI/2 BPSK	1	1		24.71	24.65	24.65	25.0
Channel					507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)					2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1		24.63	24.71	24.59	25.0
Channel					506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)					2531.01	2592.99	2655	
70	PI/2 BPSK	1	1		24.76	24.79	24.52	25.0
Channel					505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)					2526	2592.99	2659.98	
60	PI/2 BPSK	1	1		24.72	24.68	24.54	25.0
Channel					504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)					2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1		24.69	24.81	24.58	25.0
Channel					503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)					2516.01	2592.99	2670	
40	PI/2 BPSK	1	1		24.73	24.75	24.53	25.0
Channel					502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)					2511	2592.99	2674.98	
30	PI/2 BPSK	1	1		24.66	24.66	24.59	25.0
Channel					501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)					2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1		24.73	24.70	24.69	25.0
Channel					500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)					2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1		24.61	24.65	24.52	25.0
Channel					500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)					2501.01	2592.99	2685	
10	PI/2 BPSK	1	1		24.68	24.82	24.66	25.0



<FR1 n41\_HPUE\_Ant 0\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	15.94	16.14	15.77	16.5
100	PI/2 BPSK	1	137	15.83	15.86	15.66	
100	PI/2 BPSK	1	271	15.65	16.00	15.49	
100	PI/2 BPSK	135	0	15.78	15.94	15.82	16.5
100	PI/2 BPSK	135	69	15.69	15.90	15.58	16.5
100	PI/2 BPSK	135	138	15.62	15.80	15.77	16.5
100	PI/2 BPSK	270	0	15.71	16.04	15.59	
100	QPSK	1	1	15.61	15.92	15.60	16.5
100	QPSK	1	137	15.74	16.11	15.44	
100	QPSK	1	271	15.81	16.08	15.76	
100	QPSK	135	0	15.81	15.93	15.57	16.5
100	QPSK	135	69	15.72	16.02	15.67	
100	QPSK	135	138	15.69	16.08	15.62	
100	QPSK	270	0	15.70	15.98	15.71	16.5
100	16QAM	1	1	15.80	15.93	15.69	16.5
100	64QAM	1	1	15.59	15.97	15.66	16.5
100	256QAM	1	1	15.75	15.84	15.52	16.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	15.79	16.05	15.52	16.5
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	15.74	15.88	15.53	16.5
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	15.67	15.94	15.42	16.5
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	15.77	16.05	15.57	16.5
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	15.65	15.91	15.56	16.5
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	15.69	15.91	15.55	16.5
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	15.79	16.05	15.48	16.5
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	15.71	15.85	15.52	16.5
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	15.66	16.04	15.53	16.5
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	15.79	15.99	15.55	16.5





<FR1 n41\_PC1.5\_Ant 0\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	14.95	15.07	14.90	15.5
100	PI/2 BPSK	1	137	14.77	14.81	14.89	
100	PI/2 BPSK	1	271	14.69	14.94	14.66	
100	PI/2 BPSK	135	0	14.91	15.00	14.89	15.5
100	PI/2 BPSK	135	69	14.81	14.85	14.73	15.5
100	PI/2 BPSK	135	138	14.62	14.75	14.77	15.5
100	PI/2 BPSK	270	0	14.75	14.98	14.73	
100	QPSK	1	1	14.67	14.86	14.70	15.5
100	QPSK	1	137	14.69	15.04	14.80	
100	QPSK	1	271	14.91	15.01	14.88	
100	QPSK	135	0	14.75	14.87	14.94	15.5
100	QPSK	135	69	14.80	14.96	14.84	
100	QPSK	135	138	14.77	15.01	14.76	
100	QPSK	270	0	14.78	14.92	14.66	15.5
100	16QAM	1	1	14.92	14.87	14.81	15.5
100	64QAM	1	1	14.72	14.91	14.63	15.5
100	256QAM	1	1	14.71	14.79	14.74	15.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	14.67	14.77	14.78	15.5
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	14.58	14.62	14.73	15.5
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	14.65	14.68	14.78	15.5
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	14.77	14.74	14.84	15.5
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	14.59	14.75	14.82	15.5
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	14.64	14.73	14.79	15.5
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	14.69	14.81	14.83	15.5
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	14.57	14.76	14.72	15.5
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	14.62	14.75	14.86	15.5
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	14.65	14.79	14.89	15.5



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	15.78	15.92	15.77	16.0
100	PI/2 BPSK	1	137	15.70	15.84	15.69	
100	PI/2 BPSK	1	271	15.71	15.85	15.70	
100	PI/2 BPSK	135	0	15.82	15.90	15.77	16.0
100	PI/2 BPSK	135	69	15.75	15.89	15.74	16.0
100	PI/2 BPSK	135	138	15.73	15.87	15.72	16.0
100	PI/2 BPSK	270	0	15.70	15.84	15.69	
100	QPSK	1	1	15.68	15.82	15.67	16.0
100	QPSK	1	137	15.76	15.90	15.75	
100	QPSK	1	271	15.71	15.85	15.70	
100	QPSK	135	0	15.74	15.88	15.73	16.0
100	QPSK	135	69	15.76	15.90	15.75	
100	QPSK	135	138	15.74	15.88	15.73	
100	QPSK	270	0	15.69	15.83	15.68	16.0
100	16QAM	1	1	15.52	15.66	15.51	16.0
100	64QAM	1	1	15.48	15.62	15.47	16.0
100	256QAM	1	1	15.64	15.78	15.63	16.0
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	15.65	15.82	15.58	16.0
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	15.62	15.89	15.74	16.0
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	15.74	15.88	15.70	16.0
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	15.69	15.82	15.69	16.0
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	15.65	15.91	15.68	16.0
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	15.76	15.86	15.60	16.0
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	15.76	15.73	15.74	16.0
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	15.63	15.80	15.70	16.0
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	15.76	15.91	15.66	16.0
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	15.69	15.80	15.77	16.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	14.81	14.82	14.92	15.0
100	PI/2 BPSK	1	137	14.73	14.74	14.84	
100	PI/2 BPSK	1	271	14.74	14.75	14.85	
100	PI/2 BPSK	135	0	14.81	14.82	14.92	15.0
100	PI/2 BPSK	135	69	14.78	14.79	14.89	15.0
100	PI/2 BPSK	135	138	14.76	14.77	14.87	15.0
100	PI/2 BPSK	270	0	14.73	14.74	14.84	
100	QPSK	1	1	14.72	14.73	14.83	15.0
100	QPSK	1	137	14.79	14.80	14.90	
100	QPSK	1	271	14.74	14.75	14.85	
100	QPSK	135	0	14.77	14.78	14.88	15.0
100	QPSK	135	69	14.79	14.80	14.90	
100	QPSK	135	138	14.77	14.78	14.88	
100	QPSK	270	0	14.72	14.73	14.83	15.0
100	16QAM	1	1	14.56	14.57	14.67	15.0
100	64QAM	1	1	14.53	14.54	14.64	15.0
100	256QAM	1	1	14.68	14.69	14.79	15.0
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	14.54	14.61	14.69	15.0
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	14.63	14.65	14.72	15.0
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	14.53	14.74	14.70	15.0
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	14.58	14.68	14.83	15.0
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	14.67	14.74	14.71	15.0
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	14.69	14.73	14.64	15.0
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	14.69	14.61	14.67	15.0
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	14.65	14.67	14.64	15.0
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	14.57	14.64	14.79	15.0
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	14.61	14.65	14.64	15.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	13.47	13.59	13.19	14.0
100	PI/2 BPSK	1	137	13.13	13.35	13.02	
100	PI/2 BPSK	1	271	12.98	13.42	12.93	
100	PI/2 BPSK	135	0	13.17	13.35	13.13	14.0
100	PI/2 BPSK	135	69	13.10	13.00	13.06	14.0
100	PI/2 BPSK	135	138	13.03	13.28	13.14	14.0
100	PI/2 BPSK	270	0	13.19	13.36	13.17	
100	QPSK	1	1	13.05	13.33	12.94	14.0
100	QPSK	1	137	13.12	13.12	13.07	
100	QPSK	1	271	13.04	13.17	12.78	
100	QPSK	135	0	12.95	13.21	13.03	14.0
100	QPSK	135	69	13.10	13.03	13.07	
100	QPSK	135	138	12.83	12.97	12.89	
100	QPSK	270	0	12.89	13.23	12.86	14.0
100	16QAM	1	1	12.89	12.89	12.95	14.0
100	64QAM	1	1	12.95	12.91	12.94	14.0
100	256QAM	1	1	12.94	13.10	12.95	14.0
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	13.44	13.56	13.21	14.0
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	13.32	13.52	13.16	14.0
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	13.46	13.52	13.19	14.0
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	13.38	13.54	13.15	14.0
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	13.40	13.49	13.19	14.0
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	13.51	13.50	13.30	14.0
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	13.44	13.48	13.24	14.0
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	13.45	13.50	13.25	14.0
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	13.39	13.48	13.24	14.0
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	13.31	13.58	13.30	14.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	12.91	12.99	12.97	13.0
100	PI/2 BPSK	1	137	11.79	12.88	12.80	
100	PI/2 BPSK	1	271	11.66	12.92	12.71	
100	PI/2 BPSK	135	0	11.83	12.95	12.91	13.0
100	PI/2 BPSK	135	69	11.77	12.90	12.84	13.0
100	PI/2 BPSK	135	138	11.70	12.87	12.92	13.0
100	PI/2 BPSK	270	0	11.85	12.99	12.95	
100	QPSK	1	1	11.72	12.81	12.72	13.0
100	QPSK	1	137	11.79	12.84	12.85	
100	QPSK	1	271	11.71	12.85	12.57	
100	QPSK	135	0	11.63	12.83	12.81	13.0
100	QPSK	135	69	11.77	12.78	12.85	
100	QPSK	135	138	11.53	12.85	12.68	
100	QPSK	270	0	11.58	12.95	12.65	13.0
100	16QAM	1	1	11.58	12.76	12.73	13.0
100	64QAM	1	1	11.63	12.85	12.72	13.0
100	256QAM	1	1	11.62	12.88	12.73	13.0
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	11.60	12.71	12.64	13.0
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	11.64	12.88	12.62	13.0
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	11.74	12.76	12.66	13.0
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	11.71	12.78	12.62	13.0
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	11.74	12.80	12.61	13.0
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	11.77	12.69	12.67	13.0
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	11.74	12.68	12.64	13.0
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	11.73	12.80	12.68	13.0
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	11.75	12.78	12.64	13.0
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	11.67	12.69	12.74	13.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	13.91	14.13	13.92	14.5
100	PI/2 BPSK	1	137	13.74	13.96	13.75	
100	PI/2 BPSK	1	271	13.88	14.10	13.89	
100	PI/2 BPSK	135	0	13.84	14.08	13.85	14.5
100	PI/2 BPSK	135	69	13.85	14.07	13.86	14.5
100	PI/2 BPSK	135	138	13.82	14.04	13.83	14.5
100	PI/2 BPSK	270	0	13.83	14.05	13.84	
100	QPSK	1	1	13.63	13.85	13.64	14.5
100	QPSK	1	137	13.77	13.99	13.78	
100	QPSK	1	271	13.78	14.00	13.79	
100	QPSK	135	0	13.83	14.05	13.84	14.5
100	QPSK	135	69	13.86	14.08	13.87	
100	QPSK	135	138	13.87	14.09	13.88	
100	QPSK	270	0	13.87	14.09	13.88	14.5
100	16QAM	1	1	13.67	13.89	13.68	14.5
100	64QAM	1	1	13.60	13.82	13.61	14.5
100	256QAM	1	1	13.72	13.94	13.73	14.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	13.75	13.96	13.85	14.5
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	13.78	14.07	13.76	14.5
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	13.83	13.93	13.90	14.5
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	13.76	14.05	13.90	14.5
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	13.75	13.95	13.74	14.5
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	13.83	14.02	13.73	14.5
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	13.75	14.10	13.88	14.5
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	13.74	14.05	13.75	14.5
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	13.77	14.01	13.80	14.5
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	13.82	13.99	13.88	14.5



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	13.5
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	13.33	13.23	13.37	13.5
100	PI/2 BPSK	1	137	13.17	13.07	13.21	
100	PI/2 BPSK	1	271	13.30	13.20	13.34	
100	PI/2 BPSK	135	0	13.26	13.16	13.30	13.5
100	PI/2 BPSK	135	69	13.27	13.17	13.31	13.5
100	PI/2 BPSK	135	138	13.24	13.14	13.28	13.5
100	PI/2 BPSK	270	0	13.25	13.15	13.29	
100	QPSK	1	1	13.06	12.96	13.10	13.5
100	QPSK	1	137	13.20	13.10	13.24	
100	QPSK	1	271	13.21	13.11	13.25	
100	QPSK	135	0	13.25	13.15	13.29	13.5
100	QPSK	135	69	13.28	13.18	13.32	
100	QPSK	135	138	13.29	13.19	13.33	
100	QPSK	270	0	13.29	13.19	13.33	13.5
100	16QAM	1	1	13.10	13.00	13.14	13.5
100	64QAM	1	1	13.03	12.93	13.07	13.5
100	256QAM	1	1	13.15	13.05	13.19	13.5
Channel				508200	518598	528996	13.5
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	13.05	12.91	13.13	13.5
Channel				507204	518598	529998	13.5
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	12.97	13.01	13.19	13.5
Channel				506202	518598	531000	13.5
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	13.12	13.00	13.12	13.5
Channel				505200	518598	531996	13.5
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	13.02	12.94	13.03	13.5
Channel				504204	518598	532998	13.5
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	13.09	12.89	13.18	13.5
Channel				503202	518598	534000	13.5
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	13.13	13.02	13.09	13.5
Channel				502200	518598	534996	13.5
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	13.13	12.99	13.17	13.5
Channel				501204	518598	535998	13.5
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	13.13	12.95	13.15	13.5
Channel				500700	518598	536496	13.5
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	13.08	13.05	13.21	13.5
Channel				500202	518598	537000	13.5
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	12.99	12.93	13.20	13.5



<FR1 n41\_HPUE\_Ant 1\_Sensor OFF(SRS)\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	Tune-up limit (dBm)
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	11.33	11.45	11.40	11.5
100	PI/2 BPSK	1	137	11.14	11.31	11.25	
100	PI/2 BPSK	1	271	10.89	10.89	10.75	
100	PI/2 BPSK	135	0	11.35	11.40	11.22	11.5
100	PI/2 BPSK	135	69	11.34	11.39	11.36	11.5
100	PI/2 BPSK	135	138	11.22	11.36	11.16	11.5
100	PI/2 BPSK	270	0	11.33	11.35	11.17	
100	QPSK	1	1	11.36	11.38	11.37	11.5
100	QPSK	1	137	11.13	11.27	11.23	
100	QPSK	1	271	10.85	10.89	10.81	
100	QPSK	135	0	11.24	11.36	11.19	11.5
100	QPSK	135	69	11.19	11.37	11.37	
100	QPSK	135	138	11.23	11.34	11.25	
100	QPSK	270	0	11.24	11.33	11.26	11.5
100	16QAM	1	1	11.32	11.39	11.23	11.5
100	64QAM	1	1	11.27	11.43	11.36	11.5
100	256QAM	1	1	11.31	11.36	11.24	11.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	11.23	11.31	11.32	11.5
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	11.14	11.38	11.21	11.5
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	11.29	11.42	11.32	11.5
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	11.15	11.43	11.21	11.5
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	11.17	11.40	11.20	11.5
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	11.18	11.41	11.36	11.5
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	11.33	11.36	11.24	11.5
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	11.14	11.33	11.24	11.5
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	11.14	11.38	11.38	11.5
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	11.13	11.43	11.32	11.5





<FR1 n41\_PC1.5\_Ant 1\_Sensor OFF(SRS)\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	Tune-up limit (dBm)
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	10.37	10.46	10.36	10.5
100	PI/2 BPSK	1	137	10.24	10.33	10.23	
100	PI/2 BPSK	1	271	9.86	9.95	9.85	
100	PI/2 BPSK	135	0	10.32	10.30	10.31	10.5
100	PI/2 BPSK	135	69	10.32	10.41	10.31	10.5
100	PI/2 BPSK	135	138	10.29	10.38	10.28	10.5
100	PI/2 BPSK	270	0	10.28	10.37	10.27	
100	QPSK	1	1	10.31	10.40	10.30	10.5
100	QPSK	1	137	10.21	10.30	10.20	
100	QPSK	1	271	9.86	9.95	9.85	
100	QPSK	135	0	10.29	10.38	10.28	10.5
100	QPSK	135	69	10.30	10.39	10.29	
100	QPSK	135	138	10.27	10.36	10.26	
100	QPSK	270	0	10.26	10.35	10.25	10.5
100	16QAM	1	1	10.32	10.41	10.31	10.5
100	64QAM	1	1	10.35	10.44	10.34	10.5
100	256QAM	1	1	10.29	10.38	10.28	10.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	10.18	10.18	10.06	10.5
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	10.20	10.33	10.14	10.5
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	10.10	10.28	10.07	10.5
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	10.17	10.15	10.11	10.5
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	10.09	10.32	10.16	10.5
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	10.20	10.23	10.04	10.5
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	10.21	10.26	10.23	10.5
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	10.07	10.15	10.03	10.5
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	10.07	10.23	10.08	10.5
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	10.16	10.18	10.18	10.5



<FR1 n41\_HPUE\_Ant 3\_Sensor OFF(SRS)\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	15.5
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	14.95	15.02	14.98	15.5
100	PI/2 BPSK	1	137	14.81	14.91	14.87	
100	PI/2 BPSK	1	271	14.56	14.66	14.62	
100	PI/2 BPSK	135	0	14.89	14.99	14.95	15.5
100	PI/2 BPSK	135	69	14.70	14.82	14.78	15.5
100	PI/2 BPSK	135	138	14.84	14.64	14.60	15.5
100	PI/2 BPSK	270	0	14.91	15.00	14.95	
100	QPSK	1	1	14.79	14.88	14.84	15.5
100	QPSK	1	137	14.82	14.92	14.88	
100	QPSK	1	271	14.65	14.73	14.69	
100	QPSK	135	0	14.65	14.75	14.71	15.5
100	QPSK	135	69	14.57	14.66	14.62	
100	QPSK	135	138	14.38	14.48	14.44	
100	QPSK	270	0	14.87	14.96	14.92	15.5
100	16QAM	1	1	14.90	15.00	14.96	15.5
100	64QAM	1	1	14.71	14.79	14.75	15.5
100	256QAM	1	1	14.86	14.94	14.90	15.5
Channel				508200	518598	528996	15.5
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	14.90	14.90	14.87	15.5
Channel				507204	518598	529998	15.5
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	14.83	14.86	14.82	15.5
Channel				506202	518598	531000	15.5
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	14.77	14.86	14.80	15.5
Channel				505200	518598	531996	15.5
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	14.75	14.93	14.80	15.5
Channel				504204	518598	532998	15.5
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	14.75	14.93	14.82	15.5
Channel				503202	518598	534000	15.5
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	14.76	14.91	14.88	15.5
Channel				502200	518598	534996	15.5
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	14.88	14.90	14.85	15.5
Channel				501204	518598	535998	15.5
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	14.91	14.95	14.91	15.5
Channel				500700	518598	536496	15.5
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	14.84	14.98	14.96	15.5
Channel				500202	518598	537000	15.5
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	14.85	14.91	14.79	15.5



<FR1 n41\_PC1.5\_Ant 3\_Sensor OFF(SRS)\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	14.5
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	13.86	14.12	13.95	14.5
100	PI/2 BPSK	1	137	13.71	13.86	13.84	
100	PI/2 BPSK	1	271	13.42	13.60	13.63	
100	PI/2 BPSK	135	0	13.91	14.00	13.95	14.5
100	PI/2 BPSK	135	69	13.63	13.67	13.71	14.5
100	PI/2 BPSK	135	138	13.83	13.61	13.59	14.5
100	PI/2 BPSK	270	0	13.92	13.87	13.79	
100	QPSK	1	1	13.73	13.81	13.79	14.5
100	QPSK	1	137	13.82	13.90	13.90	
100	QPSK	1	271	13.53	13.60	13.70	
100	QPSK	135	0	13.64	13.72	13.56	14.5
100	QPSK	135	69	13.51	13.66	13.55	
100	QPSK	135	138	13.27	13.45	13.41	
100	QPSK	270	0	13.82	13.87	13.74	14.5
100	16QAM	1	1	13.84	13.92	13.80	14.5
100	64QAM	1	1	13.57	13.75	13.71	14.5
100	256QAM	1	1	13.74	13.91	13.92	14.5
Channel				508200	518598	528996	14.5
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	13.51	13.85	13.69	14.5
Channel				507204	518598	529998	14.5
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	13.51	13.74	13.75	14.5
Channel				506202	518598	531000	14.5
Frequency (MHz)				2531.01	2592.99	2655	
70	PI/2 BPSK	1	1	13.51	13.68	13.76	14.5
Channel				505200	518598	531996	14.5
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	13.59	13.86	13.83	14.5
Channel				504204	518598	532998	14.5
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	13.66	13.85	13.66	14.5
Channel				503202	518598	534000	14.5
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	13.57	13.86	13.82	14.5
Channel				502200	518598	534996	14.5
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	13.51	13.76	13.80	14.5
Channel				501204	518598	535998	14.5
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	13.65	13.70	13.67	14.5
Channel				500700	518598	536496	14.5
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	13.57	13.83	13.73	14.5
Channel				500202	518598	537000	14.5
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	13.71	13.85	13.66	14.5



<FR1 n48\_Ant 0\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	22.0
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	21.76	21.79	21.83	
40	PI/2 BPSK	1	53	21.62	21.78	21.80	22.0
40	PI/2 BPSK	1	104	21.65	21.59	21.75	
40	PI/2 BPSK	50	0	21.74	21.77	21.79	22.0
40	PI/2 BPSK	50	28	21.73	21.76	21.74	22.0
40	PI/2 BPSK	50	56	21.61	21.59	21.76	22.0
40	PI/2 BPSK	100	0	21.65	21.62	21.69	
40	QPSK	1	1	21.74	21.67	21.67	22.0
40	QPSK	1	53	21.75	21.61	21.79	
40	QPSK	1	104	21.73	21.61	21.72	
40	QPSK	50	0	21.75	21.71	21.63	22.0
40	QPSK	50	28	21.59	21.75	21.79	
40	QPSK	50	56	21.66	21.77	21.69	22.0
40	QPSK	100	0	21.71	21.69	21.64	
40	16QAM	1	1	21.61	21.66	21.66	22.0
40	64QAM	1	1	21.56	21.66	21.62	22.0
40	256QAM	1	1	21.66	21.63	21.78	22.0
Channel				637668	641666	645666	22.0
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	21.44	21.59	21.72	22.0
Channel				637334	641666	646000	22.0
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	21.58	21.58	21.58	22.0
Channel				637168	641666	646166	22.0
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	21.56	21.59	21.62	22.0
Channel				637000	641666	646332	22.0
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	21.57	21.54	21.66	22.0



<FR1 n48\_Ant 2\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	22.0
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	21.45	21.60	21.44	
40	PI/2 BPSK	1	53	21.23	21.38	21.22	22.0
40	PI/2 BPSK	1	104	21.24	21.39	21.23	
40	PI/2 BPSK	50	0	21.15	21.30	21.14	22.0
40	PI/2 BPSK	50	28	21.18	21.33	21.17	22.0
40	PI/2 BPSK	50	56	21.06	21.21	21.05	22.0
40	PI/2 BPSK	100	0	21.20	21.35	21.19	
40	QPSK	1	1	21.25	21.40	21.24	22.0
40	QPSK	1	53	21.28	21.43	21.27	
40	QPSK	1	104	21.26	21.41	21.25	
40	QPSK	50	0	21.20	21.35	21.19	22.0
40	QPSK	50	28	21.19	21.34	21.18	
40	QPSK	50	56	21.07	21.22	21.06	
40	QPSK	100	0	21.17	21.32	21.16	22.0
40	16QAM	1	1	21.02	21.17	21.01	22.0
40	64QAM	1	1	21.18	21.33	21.17	22.0
40	256QAM	1	1	21.01	21.16	21.00	22.0
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	21.32	21.47	21.36	22.0
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	21.33	21.56	21.44	22.0
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	21.33	21.54	21.40	22.0
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	21.38	21.56	21.40	22.0



<FR1 n48\_Ant 0\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	13.0
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	12.70	12.73	12.77	
40	PI/2 BPSK	1	53	12.56	12.72	12.74	13.0
40	PI/2 BPSK	1	104	12.59	12.53	12.69	
40	PI/2 BPSK	50	0	12.68	12.71	12.73	13.0
40	PI/2 BPSK	50	28	12.67	12.70	12.68	13.0
40	PI/2 BPSK	50	56	12.55	12.53	12.70	13.0
40	PI/2 BPSK	100	0	12.59	12.56	12.63	
40	QPSK	1	1	12.68	12.61	12.61	13.0
40	QPSK	1	53	12.69	12.55	12.73	
40	QPSK	1	104	12.67	12.55	12.66	
40	QPSK	50	0	12.69	12.65	12.57	13.0
40	QPSK	50	28	12.53	12.69	12.73	
40	QPSK	50	56	12.60	12.71	12.63	
40	QPSK	100	0	12.65	12.63	12.58	13.0
40	16QAM	1	1	12.55	12.60	12.60	13.0
40	64QAM	1	1	12.50	12.60	12.56	13.0
40	256QAM	1	1	12.60	12.57	12.72	13.0
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	12.49	12.36	12.64	13.0
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	12.59	12.35	12.53	13.0
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	12.58	12.38	12.65	13.0
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	12.47	12.36	12.51	13.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	16.0
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	15.38	15.66	15.41	
40	PI/2 BPSK	1	53	15.19	15.47	15.22	16.0
40	PI/2 BPSK	1	104	15.29	15.57	15.32	
40	PI/2 BPSK	50	0	15.28	15.56	15.31	16.0
40	PI/2 BPSK	50	28	15.21	15.49	15.24	16.0
40	PI/2 BPSK	50	56	15.20	15.48	15.23	16.0
40	PI/2 BPSK	100	0	15.24	15.52	15.27	
40	QPSK	1	1	15.13	15.41	15.16	16.0
40	QPSK	1	53	15.22	15.50	15.25	
40	QPSK	1	104	15.32	15.60	15.35	
40	QPSK	50	0	15.25	15.53	15.28	16.0
40	QPSK	50	28	15.23	15.51	15.26	
40	QPSK	50	56	15.19	15.47	15.22	
40	QPSK	100	0	15.24	15.52	15.27	16.0
40	16QAM	1	1	15.22	15.50	15.25	16.0
40	64QAM	1	1	15.33	15.61	15.36	16.0
40	256QAM	1	1	15.07	15.34	15.10	16.0
Channel				637668	641666	645666	16.0
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	15.18	15.65	15.35	16.0
Channel				637334	641666	646000	16.0
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	15.18	15.53	15.40	16.0
Channel				637168	641666	646166	16.0
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	15.37	15.64	15.33	16.0
Channel				637000	641666	646332	16.0
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	15.29	15.50	15.33	16.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	10.5
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	10.16	10.19	10.23	
40	PI/2 BPSK	1	53	10.02	10.18	10.20	10.5
40	PI/2 BPSK	1	104	10.05	9.99	10.15	
40	PI/2 BPSK	50	0	10.14	10.17	10.19	10.5
40	PI/2 BPSK	50	28	10.13	10.16	10.14	10.5
40	PI/2 BPSK	50	56	10.01	9.99	10.16	10.5
40	PI/2 BPSK	100	0	10.05	10.02	10.09	
40	QPSK	1	1	10.14	10.07	10.07	10.5
40	QPSK	1	53	10.15	10.01	10.19	
40	QPSK	1	104	10.13	10.01	10.12	
40	QPSK	50	0	10.15	10.11	10.03	10.5
40	QPSK	50	28	9.99	10.15	10.19	
40	QPSK	50	56	10.06	10.17	10.09	
40	QPSK	100	0	10.11	10.09	10.04	10.5
40	16QAM	1	1	10.01	10.06	10.06	10.5
40	64QAM	1	1	9.96	10.06	10.02	10.5
40	256QAM	1	1	10.06	10.03	10.18	10.5
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	10.09	10.18	10.16	10.5
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	10.03	10.14	10.21	10.5
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	9.99	10.11	10.21	10.5
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	10.06	10.10	10.04	10.5





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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	10.5
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	10.16	10.19	10.23	
40	PI/2 BPSK	1	53	10.02	10.18	10.20	10.5
40	PI/2 BPSK	1	104	10.05	9.99	10.15	
40	PI/2 BPSK	50	0	10.14	10.17	10.19	10.5
40	PI/2 BPSK	50	28	10.13	10.16	10.14	10.5
40	PI/2 BPSK	50	56	10.01	9.99	10.16	10.5
40	PI/2 BPSK	100	0	10.05	10.02	10.09	
40	QPSK	1	1	10.14	10.07	10.07	10.5
40	QPSK	1	53	10.15	10.01	10.19	
40	QPSK	1	104	10.13	10.01	10.12	
40	QPSK	50	0	10.15	10.11	10.03	10.5
40	QPSK	50	28	9.99	10.15	10.19	
40	QPSK	50	56	10.06	10.17	10.09	
40	QPSK	100	0	10.11	10.09	10.04	10.5
40	16QAM	1	1	10.01	10.06	10.06	10.5
40	64QAM	1	1	9.96	10.06	10.02	10.5
40	256QAM	1	1	10.06	10.03	10.18	10.5
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	10.09	10.18	10.16	10.5
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	10.03	10.14	10.21	10.5
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	9.99	10.11	10.21	10.5
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	10.06	10.10	10.04	10.5



<FR1 n48\_Ant 2\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	9.96	10.25	9.93	
40	PI/2 BPSK	1	53	9.89	10.18	9.86	10.5
40	PI/2 BPSK	1	104	9.87	10.16	9.84	10.5
40	PI/2 BPSK	50	0	9.86	10.17	9.83	
40	PI/2 BPSK	50	28	9.86	10.15	9.83	10.5
40	PI/2 BPSK	50	56	9.82	10.11	9.79	10.5
40	PI/2 BPSK	100	0	9.85	10.14	9.82	
40	QPSK	1	1	9.82	10.11	9.79	10.5
40	QPSK	1	53	9.88	10.17	9.85	
40	QPSK	1	104	9.84	10.13	9.81	
40	QPSK	50	0	9.89	10.18	9.86	10.5
40	QPSK	50	28	9.87	10.16	9.84	
40	QPSK	50	56	9.81	10.10	9.78	
40	QPSK	100	0	9.83	10.12	9.80	10.5
40	16QAM	1	1	9.80	10.09	9.77	10.5
40	64QAM	1	1	9.79	10.08	9.77	10.5
40	256QAM	1	1	9.69	9.97	9.66	10.5
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	10.5
30	PI/2 BPSK	1	1	9.78	10.21	9.88	
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	10.5
20	PI/2 BPSK	1	1	9.94	10.20	9.93	
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	10.5
15	PI/2 BPSK	1	1	9.92	10.20	9.80	
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	10.5
10	PI/2 BPSK	1	1	9.84	10.09	9.73	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.60	23.42	23.54	24.0
100	PI/2 BPSK	1	137	23.52	23.42	23.37	
100	PI/2 BPSK	1	271	23.22	23.21	23.10	
100	PI/2 BPSK	135	0	23.50	23.39	23.43	24.0
100	PI/2 BPSK	135	69	23.48	23.34	23.39	24.0
100	PI/2 BPSK	135	138	23.23	23.16	23.21	24.0
100	PI/2 BPSK	270	0	23.31	23.15	23.13	
100	QPSK	1	1	23.50	23.48	23.40	24.0
100	QPSK	1	137	23.45	23.27	23.39	
100	QPSK	1	271	23.15	22.95	22.95	
100	QPSK	135	0	23.55	23.36	23.49	24.0
100	QPSK	135	69	23.46	23.32	23.46	
100	QPSK	135	138	23.23	23.16	23.13	
100	QPSK	270	0	23.30	23.25	23.15	24.0
100	16QAM	1	1	23.56	23.40	23.37	24.0
100	64QAM	1	1	23.54	23.44	23.40	24.0
100	256QAM	1	1	21.94	21.83	21.76	22.0
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.57	23.33	23.52	24.0
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.43	23.28	23.19	24.0
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.42	23.26	23.27	24.0
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.34	23.26	23.36	24.0
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.40	23.41	23.36	24.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.46	23.23	23.25	24.0
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	23.43	23.36	23.17	24.0
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.39	23.27	23.25	24.0
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.38	23.30	23.25	24.0
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.35	23.22	23.23	24.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.61	23.16	23.34	24.0
100	PI/2 BPSK	1	137	23.44	22.99	23.17	
100	PI/2 BPSK	1	271	23.17	22.73	22.91	
100	PI/2 BPSK	135	0	23.49	23.04	23.22	24.0
100	PI/2 BPSK	135	69	23.43	22.98	23.16	24.0
100	PI/2 BPSK	135	138	23.26	22.82	22.99	24.0
100	PI/2 BPSK	270	0	23.43	22.98	23.16	
100	QPSK	1	1	23.57	23.12	23.30	24.0
100	QPSK	1	137	23.43	22.98	23.16	
100	QPSK	1	271	23.20	22.76	22.93	
100	QPSK	135	0	23.50	23.05	23.23	24.0
100	QPSK	135	69	23.41	22.96	23.14	
100	QPSK	135	138	23.26	22.82	22.99	
100	QPSK	270	0	23.39	22.94	23.12	24.0
100	16QAM	1	1	23.56	23.11	23.29	24.0
100	64QAM	1	1	23.53	23.08	23.26	24.0
100	256QAM	1	1	21.58	21.17	21.33	22.0
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.52	23.00	23.18	24.0
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.55	22.98	23.24	24.0
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.60	23.10	23.21	24.0
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.42	23.08	23.31	24.0
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.48	23.13	23.34	24.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.45	23.01	23.28	24.0
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	23.56	23.06	23.25	24.0
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.45	22.97	23.22	24.0
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.55	22.98	23.32	24.0
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.51	22.96	23.33	24.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	13.18	13.11	13.05	13.5
100	PI/2 BPSK	1	137	13.06	12.80	12.79	
100	PI/2 BPSK	1	271	12.63	12.72	12.66	
100	PI/2 BPSK	135	0	13.00	12.85	12.93	13.5
100	PI/2 BPSK	135	69	12.87	12.83	12.85	13.5
100	PI/2 BPSK	135	138	12.75	12.58	12.65	13.5
100	PI/2 BPSK	270	0	12.89	12.58	12.69	
100	QPSK	1	1	12.99	12.98	12.79	13.5
100	QPSK	1	137	12.85	12.81	12.87	
100	QPSK	1	271	12.66	12.33	12.48	
100	QPSK	135	0	12.94	12.82	13.05	13.5
100	QPSK	135	69	12.86	12.89	12.88	
100	QPSK	135	138	12.67	12.69	12.63	
100	QPSK	270	0	12.87	12.64	12.58	13.5
100	16QAM	1	1	13.14	12.98	12.90	13.5
100	64QAM	1	1	12.96	12.86	12.97	13.5
100	256QAM	1	1	12.90	12.90	12.89	13.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	13.10	12.99	12.85	13.5
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	12.98	12.87	12.81	13.5
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	13.04	12.92	12.92	13.5
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	13.04	12.87	12.92	13.5
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	12.92	12.94	12.90	13.5
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	12.96	12.88	12.78	13.5
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	13.07	12.88	12.88	13.5
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	12.91	12.85	12.88	13.5
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	12.91	12.86	12.94	13.5
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	13.00	12.85	12.79	13.5



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	14.98	14.46	14.38	15.0
100	PI/2 BPSK	1	137	14.89	14.37	14.29	
100	PI/2 BPSK	1	271	14.51	14.01	13.93	
100	PI/2 BPSK	135	0	14.92	14.40	14.32	15.0
100	PI/2 BPSK	135	69	14.85	14.33	14.26	15.0
100	PI/2 BPSK	135	138	14.62	14.11	14.03	15.0
100	PI/2 BPSK	270	0	14.84	14.32	14.25	
100	QPSK	1	1	14.90	14.38	14.30	15.0
100	QPSK	1	137	14.91	14.39	14.31	
100	QPSK	1	271	14.54	14.04	13.96	
100	QPSK	135	0	14.93	14.41	14.33	15.0
100	QPSK	135	69	14.86	14.34	14.26	
100	QPSK	135	138	14.63	14.12	14.04	
100	QPSK	270	0	14.83	14.32	14.24	15.0
100	16QAM	1	1	14.66	14.15	14.07	15.0
100	64QAM	1	1	14.62	14.11	14.03	15.0
100	256QAM	1	1	14.95	14.43	14.35	15.0
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	14.87	14.30	14.32	15.0
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	14.85	14.44	14.35	15.0
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	14.84	14.27	14.25	15.0
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	14.80	14.46	14.19	15.0
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	14.91	14.44	14.23	15.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	14.80	14.26	14.37	15.0
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	14.78	14.40	14.33	15.0
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	14.91	14.28	14.20	15.0
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	14.96	14.34	14.19	15.0
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	14.78	14.29	14.20	15.0



<FR1 n77\_Ant 0\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	10.69	10.67	10.64	11.0
100	PI/2 BPSK	1	137	10.51	10.42	10.56	
100	PI/2 BPSK	1	271	10.06	10.07	10.17	
100	PI/2 BPSK	135	0	10.51	10.36	10.32	11.0
100	PI/2 BPSK	135	69	10.42	10.22	10.17	11.0
100	PI/2 BPSK	135	138	10.32	10.16	10.27	11.0
100	PI/2 BPSK	270	0	10.44	10.41	10.29	
100	QPSK	1	1	10.50	10.41	10.48	11.0
100	QPSK	1	137	10.40	10.44	10.23	
100	QPSK	1	271	10.11	10.10	10.09	
100	QPSK	135	0	10.41	10.40	10.41	11.0
100	QPSK	135	69	10.43	10.19	10.39	
100	QPSK	135	138	10.22	10.14	10.04	
100	QPSK	270	0	10.46	10.37	10.26	11.0
100	16QAM	1	1	10.54	10.53	10.35	11.0
100	64QAM	1	1	10.53	10.39	10.27	11.0
100	256QAM	1	1	10.42	10.35	10.29	11.0
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	10.60	10.49	10.35	11.0
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	10.48	10.37	10.31	11.0
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	10.54	10.42	10.42	11.0
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	10.54	10.37	10.42	11.0
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	10.42	10.44	10.40	11.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	10.46	10.38	10.28	11.0
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	10.57	10.38	10.38	11.0
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	10.41	10.35	10.38	11.0
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	10.41	10.36	10.44	11.0
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	10.50	10.35	10.29	11.0



<FR1 n77\_Ant 0\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	10.69	10.67	10.64	11.0
100	PI/2 BPSK	1	137	10.51	10.42	10.56	
100	PI/2 BPSK	1	271	10.06	10.07	10.17	
100	PI/2 BPSK	135	0	10.51	10.36	10.32	11.0
100	PI/2 BPSK	135	69	10.42	10.22	10.17	11.0
100	PI/2 BPSK	135	138	10.32	10.16	10.27	11.0
100	PI/2 BPSK	270	0	10.44	10.41	10.29	
100	QPSK	1	1	10.50	10.41	10.48	11.0
100	QPSK	1	137	10.40	10.44	10.23	
100	QPSK	1	271	10.11	10.10	10.09	
100	QPSK	135	0	10.41	10.40	10.41	11.0
100	QPSK	135	69	10.43	10.19	10.39	
100	QPSK	135	138	10.22	10.14	10.04	
100	QPSK	270	0	10.46	10.37	10.26	11.0
100	16QAM	1	1	10.54	10.53	10.35	11.0
100	64QAM	1	1	10.53	10.39	10.27	11.0
100	256QAM	1	1	10.42	10.35	10.29	11.0
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	10.60	10.49	10.35	11.0
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	10.48	10.37	10.31	11.0
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	10.54	10.42	10.42	11.0
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	10.54	10.37	10.42	11.0
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	10.42	10.44	10.40	11.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	10.46	10.38	10.28	11.0
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	10.57	10.38	10.38	11.0
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	10.41	10.35	10.38	11.0
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	10.41	10.36	10.44	11.0
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	10.50	10.35	10.29	11.0





<FR1 n77\_Ant 2\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	11.41	10.95	11.06	11.5
100	PI/2 BPSK	1	137	11.28	10.83	10.93	
100	PI/2 BPSK	1	271	10.90	10.46	10.57	
100	PI/2 BPSK	135	0	11.39	10.93	11.04	11.5
100	PI/2 BPSK	135	69	11.25	10.80	10.90	11.5
100	PI/2 BPSK	135	138	11.00	10.56	10.66	11.5
100	PI/2 BPSK	270	0	11.26	10.81	10.91	
100	QPSK	1	1	11.36	10.90	11.01	11.5
100	QPSK	1	137	11.35	10.89	11.00	
100	QPSK	1	271	10.94	10.50	10.60	
100	QPSK	135	0	11.33	10.87	10.98	11.5
100	QPSK	135	69	11.30	10.84	10.95	
100	QPSK	135	138	11.01	10.57	10.67	
100	QPSK	270	0	11.25	10.80	10.90	11.5
100	16QAM	1	1	11.27	10.82	10.92	11.5
100	64QAM	1	1	11.36	10.90	11.01	11.5
100	256QAM	1	1	11.37	10.91	11.02	11.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	11.31	10.88	11.00	11.5
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	11.26	10.81	10.97	11.5
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	11.35	10.75	11.06	11.5
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	11.22	10.86	10.91	11.5
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	11.24	10.94	11.04	11.5
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	11.40	10.76	10.88	11.5
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	11.28	10.83	10.88	11.5
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	11.35	10.87	11.01	11.5
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	11.24	10.91	11.03	11.5
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	11.40	10.93	10.96	11.5



<FR1 n77\_Ant 1\_Sensor OFF(SRS)\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	8.97	8.96	8.85	9.0
100	PI/2 BPSK	1	137	8.88	8.80	8.76	
100	PI/2 BPSK	1	271	8.94	8.76	8.87	
100	PI/2 BPSK	135	0	8.84	8.80	8.71	9.0
100	PI/2 BPSK	135	69	8.71	8.74	8.66	9.0
100	PI/2 BPSK	135	138	8.66	8.61	8.81	9.0
100	PI/2 BPSK	270	0	8.92	8.91	8.80	
100	QPSK	1	1	8.70	8.71	8.68	9.0
100	QPSK	1	137	8.84	8.80	8.75	
100	QPSK	1	271	8.90	8.91	8.74	
100	QPSK	135	0	8.80	8.80	8.73	9.0
100	QPSK	135	69	8.73	8.86	8.86	
100	QPSK	135	138	8.72	8.69	8.74	
100	QPSK	270	0	8.74	8.76	8.84	9.0
100	16QAM	1	1	8.78	8.79	8.79	9.0
100	64QAM	1	1	8.76	8.83	8.72	9.0
100	256QAM	1	1	8.69	8.73	8.83	9.0
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	8.53	8.74	8.78	9.0
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	8.60	8.82	8.84	9.0
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	8.53	8.77	8.74	9.0
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	8.56	8.72	8.69	9.0
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	8.69	8.72	8.72	9.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	8.66	8.79	8.67	9.0
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	8.64	8.76	8.72	9.0
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	8.59	8.86	8.71	9.0
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	8.70	8.79	8.77	9.0
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	8.64	8.66	8.85	9.0

<FR1 n77\_Ant 3\_Sensor OFF(SRS)\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	Tune-up limit (dBm)
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	9.96	9.97	9.92	10.0
100	PI/2 BPSK	1	137	9.85	9.73	9.82	
100	PI/2 BPSK	1	271	9.69	9.74	9.82	
100	PI/2 BPSK	135	0	9.94	9.95	9.89	10.0
100	PI/2 BPSK	135	69	9.78	9.78	9.66	10.0
100	PI/2 BPSK	135	138	9.69	9.65	9.81	10.0
100	PI/2 BPSK	270	0	9.77	9.79	9.71	
100	QPSK	1	1	9.71	9.67	9.74	10.0
100	QPSK	1	137	9.77	9.74	9.79	
100	QPSK	1	271	9.70	9.57	9.77	
100	QPSK	135	0	9.77	9.77	9.57	10.0
100	QPSK	135	69	9.60	9.63	9.64	
100	QPSK	135	138	9.65	9.68	9.57	
100	QPSK	270	0	9.61	9.72	9.61	10.0
100	16QAM	1	1	9.65	9.72	9.69	10.0
100	64QAM	1	1	9.81	9.75	9.66	10.0
100	256QAM	1	1	9.69	9.74	9.66	10.0
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	9.67	9.60	9.65	10.0
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	9.73	9.54	9.80	10.0
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	9.75	9.72	9.74	10.0
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	9.83	9.67	9.69	10.0
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	9.75	9.57	9.71	10.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	9.70	9.60	9.72	10.0
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	9.83	9.54	9.71	10.0
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	9.73	9.60	9.77	10.0
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	9.70	9.71	9.80	10.0
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	9.82	9.59	9.68	10.0



<FR1 n77\_HPUE\_Ant 0\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	26.09	25.80	26.01	26.5
100	PI/2 BPSK	1	137	25.94	25.75	25.74	
100	PI/2 BPSK	1	271	25.64	25.57	25.42	
100	PI/2 BPSK	135	0	25.82	25.75	25.81	26.5
100	PI/2 BPSK	135	69	25.89	25.82	25.88	26.5
100	PI/2 BPSK	135	138	25.72	25.62	25.71	26.5
100	PI/2 BPSK	270	0	25.64	25.62	25.44	
100	QPSK	1	1	25.87	25.92	25.78	26.5
100	QPSK	1	137	25.92	25.71	25.86	
100	QPSK	1	271	25.50	25.33	25.34	
100	QPSK	135	0	25.99	25.70	25.82	26.5
100	QPSK	135	69	25.84	25.62	25.89	
100	QPSK	135	138	25.54	25.61	25.48	
100	QPSK	270	0	25.69	25.68	25.49	26.0
100	16QAM	1	1	25.30	25.35	25.28	26.0
100	64QAM	1	1	23.70	23.77	23.70	24.5
100	256QAM	1	1	21.55	21.63	21.60	22.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	26.05	25.91	26.01	26.5
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	25.97	25.82	25.91	26.5
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	25.99	25.83	25.98	26.5
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	26.05	25.73	26.02	26.5
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	25.91	25.74	25.96	26.5
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	25.90	25.92	26.03	26.5
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	26.02	25.82	25.90	26.5
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	25.99	25.74	25.85	26.5
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	26.00	25.77	26.02	26.5
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	25.99	25.74	25.95	26.5



<FR1 n77\_PC1.5\_Ant 0\_Sensor  
OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	25.46	25.38	24.78	25.5
100	PI/2 BPSK	1	137	25.36	25.28	24.68	
100	PI/2 BPSK	1	271	24.95	24.87	24.28	
100	PI/2 BPSK	135	0	25.27	25.19	24.60	25.5
100	PI/2 BPSK	135	69	25.03	24.95	24.36	25.5
100	PI/2 BPSK	135	138	24.85	24.77	24.19	25.5
100	PI/2 BPSK	270	0	25.30	25.22	24.62	
100	QPSK	1	1	25.43	25.35	24.75	25.5
100	QPSK	1	137	25.35	25.27	24.67	
100	QPSK	1	271	24.96	24.88	24.29	
100	QPSK	135	0	24.62	24.54	23.96	25.5
100	QPSK	135	69	24.88	24.80	24.22	
100	QPSK	135	138	24.23	24.15	23.58	
100	QPSK	270	0	24.74	24.66	24.08	25.0
100	16QAM	1	1	24.95	24.87	24.28	25.0
100	64QAM	1	1	23.48	23.41	22.85	23.5
100	256QAM	1	1	21.53	21.46	20.95	22.0
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	25.20	25.10	24.54	25.5
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	25.25	25.21	24.63	25.5
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	25.16	25.24	24.55	25.5
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	25.31	25.16	24.56	25.5
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	25.29	25.22	24.67	25.5
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	25.35	25.16	24.64	25.5
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	25.18	25.19	24.59	25.5
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	25.30	25.17	24.61	25.5
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	25.33	25.17	24.48	25.5
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	25.34	25.21	24.52	25.5



<FR1 n77\_HPUE\_Ant 2\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	23.99	23.45	23.40	24.5
100	PI/2 BPSK	1	137	23.85	23.31	23.26	
100	PI/2 BPSK	1	271	23.48	22.95	22.90	
100	PI/2 BPSK	135	0	23.94	23.40	23.35	24.5
100	PI/2 BPSK	135	69	23.86	23.32	23.27	24.5
100	PI/2 BPSK	135	138	23.61	23.08	23.03	24.5
100	PI/2 BPSK	270	0	23.85	23.31	23.26	
100	QPSK	1	1	23.97	23.43	23.38	24.5
100	QPSK	1	137	23.87	23.33	23.28	
100	QPSK	1	271	23.46	22.93	22.88	
100	QPSK	135	0	23.90	23.36	23.31	24.5
100	QPSK	135	69	23.86	23.32	23.27	
100	QPSK	135	138	23.60	23.07	23.02	
100	QPSK	270	0	23.86	23.32	23.27	24.5
100	16QAM	1	1	23.90	23.36	23.31	24.5
100	64QAM	1	1	23.49	22.96	22.91	24.5
100	256QAM	1	1	21.43	20.95	20.90	22.0
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	23.83	23.33	23.40	24.5
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	23.94	23.35	23.34	24.5
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	23.89	23.39	23.35	24.5
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	23.83	23.28	23.33	24.5
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	23.92	23.32	23.21	24.5
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	23.96	23.30	23.23	24.5
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	23.94	23.38	23.32	24.5
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	23.88	23.25	23.40	24.5
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	23.84	23.41	23.20	24.5
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	23.82	23.28	23.23	24.5



<FR1 n77\_PC1.5\_Ant 2\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	22.83	22.46	22.43	23.5
100	PI/2 BPSK	1	137	22.70	22.33	22.67	
100	PI/2 BPSK	1	271	22.34	21.98	22.31	
100	PI/2 BPSK	135	0	22.78	22.41	22.75	23.5
100	PI/2 BPSK	135	69	22.71	22.34	22.68	23.5
100	PI/2 BPSK	135	138	22.47	22.11	22.44	23.5
100	PI/2 BPSK	270	0	22.70	22.33	22.67	
100	QPSK	1	1	22.81	22.44	22.78	23.5
100	QPSK	1	137	22.72	22.35	22.69	
100	QPSK	1	271	22.33	21.97	22.30	
100	QPSK	135	0	22.74	22.37	22.71	23.5
100	QPSK	135	69	22.71	22.34	22.68	
100	QPSK	135	138	22.46	22.10	22.43	
100	QPSK	270	0	22.71	22.34	22.68	23.5
100	16QAM	1	1	22.74	22.37	22.71	23.5
100	64QAM	1	1	22.35	21.99	22.32	23.5
100	256QAM	1	1	20.39	20.06	20.36	21.0
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	22.67	22.31	22.54	23.5
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	22.63	22.33	22.54	23.5
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	22.66	22.20	22.49	23.5
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	22.66	22.22	22.56	23.5
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	22.60	22.33	22.67	23.5
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	22.60	22.16	22.51	23.5
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	22.50	22.29	22.48	23.5
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	22.64	22.30	22.47	23.5
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	22.50	22.30	22.66	23.5
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	22.59	22.16	22.58	23.5



<FR1 n77\_HPUE\_Ant 0\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	13.09	13.08	13.04	13.5
100	PI/2 BPSK	1	137	12.95	12.67	12.67	
100	PI/2 BPSK	1	271	12.53	12.62	12.50	
100	PI/2 BPSK	135	0	12.89	12.76	12.87	13.5
100	PI/2 BPSK	135	69	12.74	12.75	12.85	13.5
100	PI/2 BPSK	135	138	12.73	12.55	12.58	13.5
100	PI/2 BPSK	270	0	12.83	12.57	12.54	
100	QPSK	1	1	12.81	12.89	12.69	13.5
100	QPSK	1	137	12.69	12.75	12.75	
100	QPSK	1	271	12.55	12.14	12.28	
100	QPSK	135	0	12.80	12.63	12.96	13.5
100	QPSK	135	69	12.77	12.84	12.74	
100	QPSK	135	138	12.55	12.49	12.44	
100	QPSK	270	0	12.84	12.44	12.55	13.5
100	16QAM	1	1	13.06	12.95	12.88	13.5
100	64QAM	1	1	12.79	12.84	12.82	13.5
100	256QAM	1	1	12.89	12.72	12.84	13.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	12.98	12.60	12.65	13.5
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	12.92	12.71	12.64	13.5
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	12.92	12.69	12.62	13.5
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	12.96	12.73	12.61	13.5
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	12.97	12.64	12.66	13.5
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	12.88	12.68	12.74	13.5
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	13.03	12.64	12.77	13.5
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	12.95	12.80	12.78	13.5
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	13.00	12.66	12.66	13.5
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	13.03	12.69	12.68	13.5





<FR1 n77\_PC1.5\_Ant 0\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	12.10	12.13	12.08	12.5
100	PI/2 BPSK	1	137	11.79	11.82	11.77	
100	PI/2 BPSK	1	271	11.56	11.59	11.54	
100	PI/2 BPSK	135	0	11.81	11.84	11.79	12.5
100	PI/2 BPSK	135	69	11.55	11.58	11.53	12.5
100	PI/2 BPSK	135	138	11.61	11.64	11.59	12.5
100	PI/2 BPSK	270	0	11.60	11.63	11.58	
100	QPSK	1	1	11.63	11.66	11.61	12.5
100	QPSK	1	137	11.47	11.50	11.45	
100	QPSK	1	271	11.53	11.56	11.51	
100	QPSK	135	0	11.50	11.53	11.48	12.5
100	QPSK	135	69	11.65	11.68	11.63	
100	QPSK	135	138	11.59	11.62	11.57	
100	QPSK	270	0	11.55	11.58	11.53	12.5
100	16QAM	1	1	11.81	11.84	11.79	12.5
100	64QAM	1	1	11.61	11.64	11.59	12.5
100	256QAM	1	1	11.66	11.69	11.64	12.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	10.79	10.78	10.72	12.5
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	10.72	10.73	10.81	12.5
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	10.69	10.71	10.63	12.5
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	10.82	10.81	10.79	12.5
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	10.74	10.63	10.78	12.5
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	10.81	10.71	10.81	12.5
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	10.64	10.73	10.74	12.5
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	10.75	10.82	10.82	12.5
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	10.76	10.62	10.79	12.5
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	10.62	10.75	10.64	12.5



<FR1 n77\_HPUE\_Ant 0\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	15.0
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	14.97	14.46	14.53	15.0
100	PI/2 BPSK	1	137	14.76	14.26	14.33	
100	PI/2 BPSK	1	271	14.52	14.03	14.09	
100	PI/2 BPSK	135	0	14.85	14.34	14.41	15.0
100	PI/2 BPSK	135	69	14.76	14.26	14.33	15.0
100	PI/2 BPSK	135	138	14.63	14.13	14.20	15.0
100	PI/2 BPSK	270	0	14.74	14.24	14.31	
100	QPSK	1	1	14.83	14.32	14.39	15.0
100	QPSK	1	137	14.85	14.34	14.41	
100	QPSK	1	271	14.49	14.00	14.06	
100	QPSK	135	0	14.83	14.32	14.39	15.0
100	QPSK	135	69	14.74	14.24	14.31	
100	QPSK	135	138	14.61	14.11	14.18	
100	QPSK	270	0	14.68	14.18	14.25	15.0
100	16QAM	1	1	14.80	14.30	14.36	15.0
100	64QAM	1	1	14.87	14.36	14.43	15.0
100	256QAM	1	1	14.68	14.18	14.25	15.0
Channel				649668	656000	662332	15.0
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	14.68	14.11	14.31	15.0
Channel				649334	656000	662666	15.0
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	14.67	14.25	14.13	15.0
Channel				649000	656000	663000	15.0
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	14.62	14.20	14.30	15.0
Channel				648668	656000	663332	15.0
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	14.63	14.21	14.18	15.0
Channel				648334	656000	663666	15.0
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	14.65	14.14	14.29	15.0
Channel				648000	656000	664000	15.0
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	14.56	14.23	14.22	15.0
Channel				647668	656000	664332	15.0
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	14.59	14.23	14.16	15.0
Channel				647334	656000	664666	15.0
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	14.76	14.11	14.14	15.0
Channel				647168	656000	664832	15.0
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	14.75	14.18	14.30	15.0
Channel				647000	656000	665000	15.0
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	14.57	14.09	14.26	15.0



<FR1 n77\_PC1.5\_Ant 0\_Sensor  
ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	14.0
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	13.73	13.32	13.42	14.0
100	PI/2 BPSK	1	137	13.66	13.25	13.35	
100	PI/2 BPSK	1	271	13.67	13.26	13.36	
100	PI/2 BPSK	135	0	13.70	13.35	13.45	14.0
100	PI/2 BPSK	135	69	13.66	13.29	13.39	14.0
100	PI/2 BPSK	135	138	13.69	13.28	13.38	14.0
100	PI/2 BPSK	270	0	13.66	13.25	13.35	
100	QPSK	1	1	13.64	13.23	13.33	14.0
100	QPSK	1	137	13.71	13.30	13.40	
100	QPSK	1	271	13.67	13.26	13.36	
100	QPSK	135	0	13.70	13.29	13.39	14.0
100	QPSK	135	69	13.71	13.30	13.40	
100	QPSK	135	138	13.70	13.29	13.39	
100	QPSK	270	0	13.65	13.24	13.34	14.0
100	16QAM	1	1	13.50	13.10	13.20	14.0
100	64QAM	1	1	13.47	13.07	13.17	14.0
100	256QAM	1	1	13.61	13.20	13.30	14.0
Channel				649668	656000	662332	14.0
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	13.48	13.17	13.26	14.0
Channel				649334	656000	662666	14.0
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	13.60	13.07	13.17	14.0
Channel				649000	656000	663000	14.0
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	13.46	13.17	13.33	14.0
Channel				648668	656000	663332	14.0
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	13.51	13.10	13.26	14.0
Channel				648334	656000	663666	14.0
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	13.52	13.09	13.29	14.0
Channel				648000	656000	664000	14.0
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	13.50	13.20	13.15	14.0
Channel				647668	656000	664332	14.0
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	13.60	13.15	13.32	14.0
Channel				647334	656000	664666	14.0
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	13.66	13.15	13.22	14.0
Channel				647168	656000	664832	14.0
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	13.52	13.17	13.19	14.0
Channel				647000	656000	665000	14.0
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	13.54	13.24	13.24	14.0



<FR1 n77\_HPUE\_Ant 0\_Sensor  
ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	10.53	10.48	10.51	11.0
100	PI/2 BPSK	1	137	10.34	10.38	10.44	
100	PI/2 BPSK	1	271	9.99	9.93	10.11	
100	PI/2 BPSK	135	0	10.51	10.26	10.23	11.0
100	PI/2 BPSK	135	69	10.30	10.16	10.06	11.0
100	PI/2 BPSK	135	138	10.26	10.07	10.15	11.0
100	PI/2 BPSK	270	0	10.42	10.22	10.10	
100	QPSK	1	1	10.35	10.22	10.46	11.0
100	QPSK	1	137	10.23	10.29	10.09	
100	QPSK	1	271	10.08	10.08	10.02	
100	QPSK	135	0	10.36	10.30	10.39	11.0
100	QPSK	135	69	10.30	10.12	10.39	
100	QPSK	135	138	10.10	9.96	10.04	
100	QPSK	270	0	10.31	10.37	10.25	11.0
100	16QAM	1	1	10.42	10.33	10.33	11.0
100	64QAM	1	1	10.43	10.39	10.23	11.0
100	256QAM	1	1	10.41	10.26	10.22	11.0
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	10.46	10.30	10.33	11.0
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	10.37	10.34	10.47	11.0
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	10.37	10.41	10.42	11.0
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	10.37	10.46	10.47	11.0
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	10.44	10.37	10.27	11.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	10.50	10.48	10.40	11.0
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	10.36	10.35	10.27	11.0
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	10.51	10.29	10.30	11.0
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	10.47	10.48	10.41	11.0
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	10.35	10.39	10.43	11.0



<FR1 n77\_PC1.5\_Ant 0\_Sensor  
ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	10.0
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	9.65	9.18	9.13	10.0
100	PI/2 BPSK	1	137	9.48	9.02	8.97	
100	PI/2 BPSK	1	271	9.16	8.71	8.67	
100	PI/2 BPSK	135	0	9.63	9.16	9.11	10.0
100	PI/2 BPSK	135	69	9.44	8.98	8.93	10.0
100	PI/2 BPSK	135	138	9.40	8.94	8.89	10.0
100	PI/2 BPSK	270	0	9.55	9.08	9.04	
100	QPSK	1	1	9.49	9.03	8.98	10.0
100	QPSK	1	137	9.38	8.92	8.87	
100	QPSK	1	271	9.24	8.79	8.74	
100	QPSK	135	0	9.49	9.03	8.98	10.0
100	QPSK	135	69	9.44	8.98	8.93	
100	QPSK	135	138	9.26	8.81	8.76	
100	QPSK	270	0	9.45	8.99	8.94	10.0
100	16QAM	1	1	9.55	9.08	9.04	10.0
100	64QAM	1	1	9.56	9.09	9.04	10.0
100	256QAM	1	1	9.54	9.08	9.03	10.0
Channel				649668	656000	662332	10.0
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	9.32	8.94	8.78	10.0
Channel				649334	656000	662666	10.0
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	9.35	9.01	8.96	10.0
Channel				649000	656000	663000	10.0
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	9.29	8.95	8.87	10.0
Channel				648668	656000	663332	10.0
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	9.38	8.86	8.97	10.0
Channel				648334	656000	663666	10.0
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	9.29	8.98	8.83	10.0
Channel				648000	656000	664000	10.0
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	9.40	8.88	8.86	10.0
Channel				647668	656000	664332	10.0
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	9.36	8.88	8.97	10.0
Channel				647334	656000	664666	10.0
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	9.32	8.90	8.79	10.0
Channel				647168	656000	664832	10.0
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	9.39	8.98	8.82	10.0
Channel				647000	656000	665000	10.0
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	9.44	8.92	8.94	10.0



<FR1 n77\_HPUE\_Ant 2\_Sensor  
ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	11.40	11.17	11.07	11.5
100	PI/2 BPSK	1	137	11.34	11.11	11.01	
100	PI/2 BPSK	1	271	10.92	10.70	10.60	
100	PI/2 BPSK	135	0	11.36	11.13	11.03	11.5
100	PI/2 BPSK	135	69	11.12	10.90	10.80	11.5
100	PI/2 BPSK	135	138	11.06	10.84	10.74	11.5
100	PI/2 BPSK	270	0	11.22	10.99	10.90	
100	QPSK	1	1	11.23	11.00	10.90	11.5
100	QPSK	1	137	11.28	11.05	10.95	
100	QPSK	1	271	10.84	10.62	10.53	
100	QPSK	135	0	11.34	11.11	11.01	11.5
100	QPSK	135	69	11.14	10.92	10.82	
100	QPSK	135	138	11.06	10.84	10.74	
100	QPSK	270	0	11.18	10.95	10.86	11.5
100	16QAM	1	1	11.31	11.08	10.98	11.5
100	64QAM	1	1	11.33	11.10	11.00	11.5
100	256QAM	1	1	11.17	10.94	10.85	11.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	11.28	11.12	10.98	11.5
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	11.37	11.13	11.06	11.5
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	11.34	11.00	10.87	11.5
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	11.33	11.04	10.87	11.5
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	11.26	11.05	10.91	11.5
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	11.37	11.08	10.93	11.5
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	11.39	11.06	10.88	11.5
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	11.32	11.10	10.96	11.5
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	11.36	11.15	10.93	11.5
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	11.39	11.10	10.87	11.5



<FR1 n77\_PC1.5\_Ant 2\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	10.27	9.95	9.90	#VALUE!
100	PI/2 BPSK	1	137	10.15	9.83	9.78	
100	PI/2 BPSK	1	271	10.25	9.93	9.88	
100	PI/2 BPSK	135	0	10.22	9.90	9.85	10.5
100	PI/2 BPSK	135	69	10.23	9.91	9.86	#VALUE!
100	PI/2 BPSK	135	138	10.20	9.88	9.83	10.5
100	PI/2 BPSK	270	0	10.21	9.89	9.84	
100	QPSK	1	1	10.07	9.76	9.71	10.5
100	QPSK	1	137	10.17	9.85	9.80	
100	QPSK	1	271	10.18	9.86	9.81	
100	QPSK	135	0	10.21	9.89	9.84	10.5
100	QPSK	135	69	10.23	9.91	9.86	
100	QPSK	135	138	10.24	9.92	9.87	
100	QPSK	270	0	10.24	9.92	9.87	10.5
100	16QAM	1	1	10.10	9.79	9.74	10.5
100	64QAM	1	1	10.04	9.73	9.68	10.5
100	256QAM	1	1	10.13	9.81	9.77	10.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	9.95	9.78	9.76	#VALUE!
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	10.09	9.77	9.63	#VALUE!
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	10.07	9.71	9.66	#VALUE!
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	10.00	9.69	9.61	#VALUE!
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	10.03	9.72	9.77	#VALUE!
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	10.09	9.82	9.67	#VALUE!
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	10.08	9.76	9.59	#VALUE!
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	10.14	9.76	9.73	#VALUE!
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	10.05	9.79	9.67	#VALUE!
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	10.09	9.65	9.78	#VALUE!



<FR1 n77\_HPUE\_Ant 1\_Sensor OFF(SRS)\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	9.0
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	8.94	8.83	8.78	9.0
100	PI/2 BPSK	1	137	8.78	8.66	8.58	
100	PI/2 BPSK	1	271	8.93	8.76	8.69	
100	PI/2 BPSK	135	0	8.81	8.78	8.68	9.0
100	PI/2 BPSK	135	69	8.58	8.64	8.60	9.0
100	PI/2 BPSK	135	138	8.58	8.56	8.73	9.0
100	PI/2 BPSK	270	0	8.86	8.76	8.72	
100	QPSK	1	1	8.69	8.56	8.49	9.0
100	QPSK	1	137	8.74	8.69	8.70	
100	QPSK	1	271	8.70	8.82	8.68	
100	QPSK	135	0	8.80	8.66	8.72	9.0
100	QPSK	135	69	8.69	8.75	8.81	
100	QPSK	135	138	8.62	8.52	8.55	
100	QPSK	270	0	8.65	8.74	8.75	9.0
100	16QAM	1	1	8.65	8.77	8.66	9.0
100	64QAM	1	1	8.63	8.69	8.53	9.0
100	256QAM	1	1	8.52	8.64	8.67	9.0
Channel				649668	656000	662332	9.0
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	8.62	8.77	8.65	9.0
Channel				649334	656000	662666	9.0
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	8.66	8.70	8.62	9.0
Channel				649000	656000	663000	9.0
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	8.66	8.71	8.68	9.0
Channel				648668	656000	663332	9.0
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	8.65	8.75	8.57	9.0
Channel				648334	656000	663666	9.0
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	8.65	8.69	8.52	9.0
Channel				648000	656000	664000	9.0
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	8.68	8.75	8.57	9.0
Channel				647668	656000	664332	9.0
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	8.51	8.62	8.56	9.0
Channel				647334	656000	664666	9.0
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	8.70	8.62	8.65	9.0
Channel				647168	656000	664832	9.0
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	8.58	8.74	8.49	9.0
Channel				647000	656000	665000	9.0
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	8.62	8.74	8.65	9.0





<FR1 n77\_PC1.5\_Ant 1\_Sensor OFF(SRS)\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	8.0
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	7.71	7.49	7.41	8.0
100	PI/2 BPSK	1	137	7.57	7.35	7.28	
100	PI/2 BPSK	1	271	7.70	7.48	7.40	
100	PI/2 BPSK	135	0	7.60	7.38	7.30	8.0
100	PI/2 BPSK	135	69	7.40	7.19	7.11	8.0
100	PI/2 BPSK	135	138	7.40	7.19	7.11	8.0
100	PI/2 BPSK	270	0	7.64	7.42	7.34	
100	QPSK	1	1	7.49	7.28	7.20	8.0
100	QPSK	1	137	7.54	7.32	7.25	
100	QPSK	1	271	7.50	7.29	7.21	
100	QPSK	135	0	7.59	7.37	7.29	8.0
100	QPSK	135	69	7.49	7.28	7.20	
100	QPSK	135	138	7.43	7.22	7.14	
100	QPSK	270	0	7.46	7.25	7.17	8.0
100	16QAM	1	1	7.46	7.25	7.17	8.0
100	64QAM	1	1	7.44	7.23	7.15	8.0
100	256QAM	1	1	7.35	7.14	7.06	8.0
Channel				649668	656000	662332	8.0
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	7.40	7.34	7.08	8.0
Channel				649334	656000	662666	8.0
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	7.44	7.34	7.15	8.0
Channel				649000	656000	663000	8.0
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	7.57	7.21	7.17	8.0
Channel				648668	656000	663332	8.0
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	7.43	7.16	7.20	8.0
Channel				648334	656000	663666	8.0
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	7.46	7.17	7.11	8.0
Channel				648000	656000	664000	8.0
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	7.45	7.18	7.16	8.0
Channel				647668	656000	664332	8.0
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	7.44	7.19	7.21	8.0
Channel				647334	656000	664666	8.0
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	7.51	7.27	7.08	8.0
Channel				647168	656000	664832	8.0
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	7.53	7.21	7.11	8.0
Channel				647000	656000	665000	8.0
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	7.49	7.15	7.08	8.0



<FR1 n77\_HPUE\_Ant 3\_Sensor OFF(SRS)\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	Tune-up limit (dBm)
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	9.76	9.97	9.83	10.0
100	PI/2 BPSK	1	137	9.69	9.63	9.73	
100	PI/2 BPSK	1	271	9.59	9.56	9.66	
100	PI/2 BPSK	135	0	9.74	9.84	9.71	10.0
100	PI/2 BPSK	135	69	9.70	9.78	9.50	10.0
100	PI/2 BPSK	135	138	9.52	9.56	9.65	10.0
100	PI/2 BPSK	270	0	9.63	9.62	9.70	
100	QPSK	1	1	9.62	9.65	9.72	10.0
100	QPSK	1	137	9.70	9.70	9.63	
100	QPSK	1	271	9.66	9.49	9.62	
100	QPSK	135	0	9.72	9.70	9.50	10.0
100	QPSK	135	69	9.42	9.61	9.47	
100	QPSK	135	138	9.54	9.59	9.47	
100	QPSK	270	0	9.52	9.67	9.55	10.0
100	16QAM	1	1	9.61	9.57	9.64	10.0
100	64QAM	1	1	9.66	9.59	9.64	10.0
100	256QAM	1	1	9.68	9.60	9.46	10.0
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	9.68	9.59	9.76	10.0
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	9.84	9.54	9.64	10.0
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	9.69	9.54	9.79	10.0
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	9.82	9.57	9.67	10.0
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	9.76	9.62	9.76	10.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	9.73	9.64	9.81	10.0
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	9.84	9.53	9.70	10.0
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	9.70	9.71	9.76	10.0
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	9.67	9.69	9.81	10.0
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	9.75	9.54	9.66	10.0



<FR1 n77\_PC1.5\_Ant 3\_Sensor OFF(SRS)\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	9.0
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	8.70	8.84	8.81	9.0
100	PI/2 BPSK	1	137	8.54	8.61	8.56	
100	PI/2 BPSK	1	271	8.44	8.56	8.58	
100	PI/2 BPSK	135	0	8.64	8.68	8.58	9.0
100	PI/2 BPSK	135	69	8.56	8.74	8.46	9.0
100	PI/2 BPSK	135	138	8.53	8.43	8.48	9.0
100	PI/2 BPSK	270	0	8.52	8.60	8.57	
100	QPSK	1	1	8.61	8.57	8.69	9.0
100	QPSK	1	137	8.61	8.65	8.57	
100	QPSK	1	271	8.48	8.48	8.58	
100	QPSK	135	0	8.60	8.53	8.35	9.0
100	QPSK	135	69	8.40	8.43	8.31	
100	QPSK	135	138	8.43	8.54	8.48	
100	QPSK	270	0	8.53	8.62	8.54	9.0
100	16QAM	1	1	8.49	8.49	8.65	9.0
100	64QAM	1	1	8.49	8.55	8.49	9.0
100	256QAM	1	1	8.55	8.44	8.31	9.0
Channel				649668	656000	662332	9.0
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1				9.0
Channel				649334	656000	662666	9.0
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1				9.0
Channel				649000	656000	663000	9.0
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1				9.0
Channel				648668	656000	663332	9.0
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1				9.0
Channel				648334	656000	663666	9.0
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1				9.0
Channel				648000	656000	664000	9.0
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1				9.0
Channel				647668	656000	664332	9.0
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1				9.0
Channel				647334	656000	664666	9.0
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1				9.0
Channel				647168	656000	664832	9.0
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1				9.0
Channel				647000	656000	665000	9.0
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1				9.0



<FR1 n77\_Ant 0\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		24.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.68		24.0
100	PI/2 BPSK	1	137		23.44		
100	PI/2 BPSK	1	271		23.19		
100	PI/2 BPSK	135	0		23.50		23.5
100	PI/2 BPSK	135	69		23.57		24.0
100	PI/2 BPSK	135	138		23.33		23.5
100	PI/2 BPSK	270	0		23.31		
100	QPSK	1	1		23.50		24.0
100	QPSK	1	137		23.41		
100	QPSK	1	271		23.20		
100	QPSK	135	0		23.53		24.0
100	QPSK	135	69		23.46		
100	QPSK	135	138		23.20		
100	QPSK	270	0		23.31		24.0
100	16QAM	1	1		23.48		24.0
100	64QAM	1	1		23.53		24.0
100	256QAM	1	1		21.90		22.0
Channel				633000	633332	633666	24.0
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1		23.48	23.32	24.0
Channel				632668	633332	634000	24.0
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1		23.38	23.41	24.0
Channel				632334	633332	634332	24.0
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1		23.41	23.31	24.0
Channel				632000	633332	634666	24.0
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1		23.48	23.41	24.0
Channel				631668	633332	635000	24.0
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1		23.34	23.39	24.0
Channel				631334	633332	635332	24.0
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1		23.43	23.50	24.0
Channel				631000	633332	635666	24.0
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1		23.44	23.41	24.0
Channel				630668	633332	636000	24.0
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1		23.45	23.40	24.0
Channel				630500	633332	636166	24.0
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1		23.38	23.45	24.0
Channel				630334	633332	636332	24.0
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1		23.34	23.33	24.0



<FR1 n77\_Ant 2\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.73		24.0
100	PI/2 BPSK	1	137		23.53		
100	PI/2 BPSK	1	271		23.64		
100	PI/2 BPSK	135	0		23.55		24.0
100	PI/2 BPSK	135	69		23.59		24.0
100	PI/2 BPSK	135	138		23.57		24.0
100	PI/2 BPSK	270	0		23.57		
100	QPSK	1	1		23.39		24.0
100	QPSK	1	137		23.53		
100	QPSK	1	271		23.62		
100	QPSK	135	0		23.56		24.0
100	QPSK	135	69		23.57		
100	QPSK	135	138		23.55		
100	QPSK	270	0		23.55		24.0
100	16QAM	1	1		23.40		24.0
100	64QAM	1	1		23.44		24.0
100	256QAM	1	1		21.50		22.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.66	23.69	23.62	24.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.66	23.58	23.57	24.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.60	23.67	23.58	24.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.53	23.60	23.59	24.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.70	23.60	23.53	24.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.62	23.64	23.63	24.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.70	23.62	23.60	24.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.71	23.53	23.54	24.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.57	23.70	23.72	24.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.55	23.58	23.70	24.0



<FR1 n77\_Ant 0\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		13.5
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		13.38		13.5
100	PI/2 BPSK	1	137		13.01		
100	PI/2 BPSK	1	271		12.81		
100	PI/2 BPSK	135	0		13.20		13.5
100	PI/2 BPSK	135	69		13.19		13.5
100	PI/2 BPSK	135	138		13.11		13.5
100	PI/2 BPSK	270	0		13.22		
100	QPSK	1	1		13.00		13.5
100	QPSK	1	137		12.96		
100	QPSK	1	271		13.01		
100	QPSK	135	0		13.14		13.5
100	QPSK	135	69		13.21		
100	QPSK	135	138		13.24		
100	QPSK	270	0		12.85		13.5
100	16QAM	1	1		13.08		13.5
100	64QAM	1	1		13.00		13.5
100	256QAM	1	1		13.02		13.5
Channel				633000	633332	633666	13.5
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	13.10	13.05	13.11	13.5
Channel				632668	633332	634000	13.5
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	13.13	13.01	12.95	13.5
Channel				632334	633332	634332	13.5
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	13.01	13.12	13.00	13.5
Channel				632000	633332	634666	13.5
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	13.00	12.99	13.04	13.5
Channel				631668	633332	635000	13.5
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	13.02	12.99	13.09	13.5
Channel				631334	633332	635332	13.5
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	13.06	13.10	12.97	13.5
Channel				631000	633332	635666	13.5
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	13.00	13.17	13.15	13.5
Channel				630668	633332	636000	13.5
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	13.18	13.02	12.95	13.5
Channel				630500	633332	636166	13.5
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	13.10	13.08	13.05	13.5
Channel				630334	633332	636332	13.5
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	13.15	13.12	13.06	13.5



<FR1 n77\_Ant 0\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		15.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		14.90		15.0
100	PI/2 BPSK	1	137		14.69		
100	PI/2 BPSK	1	271		14.46		
100	PI/2 BPSK	135	0		14.78		15.0
100	PI/2 BPSK	135	69		14.69		15.0
100	PI/2 BPSK	135	138		14.56		15.0
100	PI/2 BPSK	270	0		14.67		
100	QPSK	1	1		14.76		15.0
100	QPSK	1	137		14.78		
100	QPSK	1	271		14.43		
100	QPSK	135	0		14.76		15.0
100	QPSK	135	69		14.67		
100	QPSK	135	138		14.54		
100	QPSK	270	0		14.61		15.0
100	16QAM	1	1		14.74		15.0
100	64QAM	1	1		14.80		15.0
100	256QAM	1	1		14.61		15.0
Channel				633000	633332	633666	15.0
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	14.68	14.55	14.52	15.0
Channel				632668	633332	634000	15.0
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	14.53	14.49	14.68	15.0
Channel				632334	633332	634332	15.0
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	14.60	14.58	14.68	15.0
Channel				632000	633332	634666	15.0
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	14.62	14.50	14.58	15.0
Channel				631668	633332	635000	15.0
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	14.64	14.52	14.52	15.0
Channel				631334	633332	635332	15.0
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	14.52	14.52	14.53	15.0
Channel				631000	633332	635666	15.0
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	14.62	14.50	14.68	15.0
Channel				630668	633332	636000	15.0
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	14.63	14.51	14.56	15.0
Channel				630500	633332	636166	15.0
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	14.57	14.63	14.51	15.0
Channel				630334	633332	636332	15.0
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	14.51	14.59	14.53	15.0



<FR1 n77\_Ant 0\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		11.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		10.54		
100	PI/2 BPSK	1	137		10.25		
100	PI/2 BPSK	1	271		10.22		
100	PI/2 BPSK	135	0		10.51		11.0
100	PI/2 BPSK	135	69		10.10		11.0
100	PI/2 BPSK	135	138		10.11		11.0
100	PI/2 BPSK	270	0		10.39		
100	QPSK	1	1		10.20		11.0
100	QPSK	1	137		10.09		
100	QPSK	1	271		10.02		
100	QPSK	135	0		10.16		11.0
100	QPSK	135	69		10.28		
100	QPSK	135	138		10.03		
100	QPSK	270	0		10.23		
100	16QAM	1	1		10.27		11.0
100	64QAM	1	1		10.34		11.0
100	256QAM	1	1		10.22		11.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	10.45	10.22	10.25	11.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	10.26	10.28	10.32	11.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	10.46	10.16	10.22	11.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	10.31	10.23	10.32	11.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	10.35	10.27	10.18	11.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	10.26	10.27	10.33	11.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	10.45	10.28	10.17	11.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	10.37	10.24	10.27	11.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	10.31	10.19	10.17	11.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	10.36	10.18	10.15	11.0





<FR1 n77\_Ant 0\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		11.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		10.54		11.0
100	PI/2 BPSK	1	137		10.25		
100	PI/2 BPSK	1	271		10.22		11.0
100	PI/2 BPSK	135	0		10.51		
100	PI/2 BPSK	135	69		10.10		11.0
100	PI/2 BPSK	135	138		10.11		
100	PI/2 BPSK	270	0		10.39		11.0
100	QPSK	1	1		10.20		
100	QPSK	1	137		10.09		11.0
100	QPSK	1	271		10.02		
100	QPSK	135	0		10.16		11.0
100	QPSK	135	69		10.28		
100	QPSK	135	138		10.03		11.0
100	QPSK	270	0		10.23		
100	16QAM	1	1		10.27		11.0
100	64QAM	1	1		10.34		
100	256QAM	1	1		10.22		11.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	10.45	10.22	10.25	11.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	10.26	10.28	10.32	11.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	10.46	10.16	10.22	11.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	10.31	10.23	10.32	11.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	10.35	10.27	10.18	11.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	10.26	10.27	10.33	11.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	10.45	10.28	10.17	11.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	10.37	10.24	10.27	11.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	10.31	10.19	10.17	11.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	10.36	10.18	10.15	11.0



<FR1 n77\_Ant 2\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		11.49		11.5
100	PI/2 BPSK	1	137		11.40		
100	PI/2 BPSK	1	271		11.30		
100	PI/2 BPSK	135	0		11.44		11.5
100	PI/2 BPSK	135	69		11.34		11.5
100	PI/2 BPSK	135	138		11.43		11.5
100	PI/2 BPSK	270	0		11.39		
100	QPSK	1	1		11.33		11.5
100	QPSK	1	137		11.39		
100	QPSK	1	271		11.38		
100	QPSK	135	0		11.39		11.5
100	QPSK	135	69		11.25		
100	QPSK	135	138		11.33		
100	QPSK	270	0		11.26		11.5
100	16QAM	1	1		11.34		11.5
100	64QAM	1	1		11.38		11.5
100	256QAM	1	1		10.99		11.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	11.24	11.21	11.31	11.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	11.22	11.39	11.36	11.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	11.32	11.39	11.23	11.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	11.36	11.31	11.21	11.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	11.26	11.35	11.20	11.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	11.36	11.27	11.23	11.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	11.34	11.36	11.20	11.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	11.22	11.20	11.39	11.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	11.39	11.22	11.25	11.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	11.29	11.22	11.28	11.5



<FR1 n77\_Ant 1\_Sensor OFF(SRS)\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		9.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		8.97		9.0
100	PI/2 BPSK	1	137		8.96		
100	PI/2 BPSK	1	271		8.94		
100	PI/2 BPSK	135	0		8.90		9.0
100	PI/2 BPSK	135	69		8.84		9.0
100	PI/2 BPSK	135	138		8.81		9.0
100	PI/2 BPSK	270	0		8.92		
100	QPSK	1	1		8.86		9.0
100	QPSK	1	137		8.88		
100	QPSK	1	271		8.91		
100	QPSK	135	0		8.89		9.0
100	QPSK	135	69		8.86		
100	QPSK	135	138		8.88		
100	QPSK	270	0		8.90		9.0
100	16QAM	1	1		8.89		9.0
100	64QAM	1	1		8.84		9.0
100	256QAM	1	1		8.89		9.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	8.79	8.84	8.63	9.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	8.68	8.80	8.64	9.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	8.59	8.80	8.66	9.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	8.72	8.92	8.75	9.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	8.67	8.84	8.74	9.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	8.73	8.84	8.64	9.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	8.67	8.96	8.67	9.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	8.74	8.80	8.78	9.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	8.62	8.83	8.63	9.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	8.70	8.77	8.79	9.0



<FR1 n77\_Ant 3\_Sensor OFF(SRS)\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		10.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		9.97		10.0
100	PI/2 BPSK	1	137		9.88		
100	PI/2 BPSK	1	271		9.84		
100	PI/2 BPSK	135	0		9.95		10.0
100	PI/2 BPSK	135	69		9.84		10.0
100	PI/2 BPSK	135	138		9.82		10.0
100	PI/2 BPSK	270	0		9.88		
100	QPSK	1	1		9.85		10.0
100	QPSK	1	137		9.84		
100	QPSK	1	271		9.77		
100	QPSK	135	0		9.77		10.0
100	QPSK	135	69		9.74		
100	QPSK	135	138		9.70		
100	QPSK	270	0		9.81		10.0
100	16QAM	1	1		9.74		10.0
100	64QAM	1	1		9.85		10.0
100	256QAM	1	1		9.83		10.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	9.80	9.91	9.81	10.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	9.88	9.82	9.79	10.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	9.78	9.89	9.90	10.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	9.96	9.86	9.92	10.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	9.96	9.78	9.93	10.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	9.84	9.90	9.87	10.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	9.80	9.95	9.81	10.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	9.79	9.88	9.78	10.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	9.88	9.85	9.84	10.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	9.90	9.94	9.80	10.0



<FR1 n77\_HPUE\_Ant 0\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		25.89		26.5
100	PI/2 BPSK	1	137		25.57		
100	PI/2 BPSK	1	271		25.46		
100	PI/2 BPSK	135	0		25.66		26.5
100	PI/2 BPSK	135	69		25.69		26.5
100	PI/2 BPSK	135	138		25.54		26.5
100	PI/2 BPSK	270	0		25.47		
100	QPSK	1	1		25.82		26.5
100	QPSK	1	137		25.65		
100	QPSK	1	271		25.27		
100	QPSK	135	0		25.61		26.5
100	QPSK	135	69		25.48		
100	QPSK	135	138		25.53		
100	QPSK	270	0		25.57		26.0
100	16QAM	1	1		25.74		26.0
100	64QAM	1	1		23.77		24.5
100	256QAM	1	1		21.64		22.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.57	25.77	25.80	26.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.57	25.74	25.79	26.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.62	25.71	25.70	26.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	25.64	25.80	25.77	26.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.57	25.79	25.66	26.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.67	25.77	25.65	26.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.67	25.71	25.72	26.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.56	25.70	25.68	26.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.73	25.79	25.65	26.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	25.56	25.74	25.62	26.5



<FR1 n77\_PC1.5\_Ant 0\_Sensor OFF\_NB/TB>

Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel		633332		25.5
Frequency (MHz)		3499.98		
100	PI/2 BPSK	1	1	24.81
100	PI/2 BPSK	1	137	24.71
100	PI/2 BPSK	1	271	24.31
100	PI/2 BPSK	135	0	24.62
100	PI/2 BPSK	135	69	24.39
100	PI/2 BPSK	135	138	24.22
100	PI/2 BPSK	270	0	24.65
100	QPSK	1	1	24.78
100	QPSK	1	137	24.70
100	QPSK	1	271	24.32
100	QPSK	135	0	23.99
100	QPSK	135	69	24.24
100	QPSK	135	138	23.61
100	QPSK	270	0	24.11
100	16QAM	1	1	24.31
100	64QAM	1	1	22.88
100	256QAM	1	1	20.98
Channel	633000	633332	633666	25.5
Frequency (MHz)	3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	24.77
Channel	632668	633332	634000	25.5
Frequency (MHz)	3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	24.71
Channel	632334	633332	634332	25.5
Frequency (MHz)	3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	24.70
Channel	632000	633332	634666	25.5
Frequency (MHz)	3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	24.64
Channel	631668	633332	635000	25.5
Frequency (MHz)	3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.77
Channel	631334	633332	635332	25.5
Frequency (MHz)	3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	24.75
Channel	631000	633332	635666	25.5
Frequency (MHz)	3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	24.64
Channel	630668	633332	636000	25.5
Frequency (MHz)	3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	24.70
Channel	630500	633332	636166	25.5
Frequency (MHz)	3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	24.61
Channel	630334	633332	636332	25.5
Frequency (MHz)	3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	24.76



<FR1 n77\_HPUE\_Ant 2\_Sensor OFF\_NB/TN>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		24.5
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.21		24.5
100	PI/2 BPSK	1	137		24.02		
100	PI/2 BPSK	1	271		24.10		24.5
100	PI/2 BPSK	135	0		24.02		
100	PI/2 BPSK	135	69		24.06		24.5
100	PI/2 BPSK	135	138		24.05		
100	PI/2 BPSK	270	0		24.04		24.5
100	QPSK	1	1		24.00		
100	QPSK	1	137		24.05		24.5
100	QPSK	1	271		24.15		
100	QPSK	135	0		24.01		24.5
100	QPSK	135	69		24.02		
100	QPSK	135	138		24.03		24.5
100	QPSK	270	0		24.03		
100	16QAM	1	1		23.92		24.5
100	64QAM	1	1		23.55		
100	256QAM	1	1		21.16		22.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	24.08	24.19	24.11	24.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	24.06	24.12	24.03	24.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	24.08	24.03	24.15	24.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	24.20	24.19	24.04	24.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.03	24.15	24.12	24.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	24.20	24.14	24.11	24.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	24.08	24.18	24.03	24.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	24.05	24.10	24.04	24.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	24.04	24.18	24.13	24.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	24.16	24.20	24.13	24.5



<FR1 n77\_PC1.5\_Ant 2\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		22.97		23.5
100	PI/2 BPSK	1	137		22.79		
100	PI/2 BPSK	1	271		22.87		
100	PI/2 BPSK	135	0		22.79		23.5
100	PI/2 BPSK	135	69		22.83		23.5
100	PI/2 BPSK	135	138		22.82		23.5
100	PI/2 BPSK	270	0		22.81		
100	QPSK	1	1		22.77		23.5
100	QPSK	1	137		22.82		
100	QPSK	1	271		22.91		
100	QPSK	135	0		22.78		23.5
100	QPSK	135	69		22.79		
100	QPSK	135	138		22.80		
100	QPSK	270	0		22.80		23.5
100	16QAM	1	1		22.69		23.5
100	64QAM	1	1		22.34		23.5
100	256QAM	1	1		20.08		21.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	22.71	22.76	22.78	23.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	22.69	22.73	22.66	23.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	22.70	22.68	22.74	23.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	22.65	22.78	22.67	23.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	22.76	22.63	22.73	23.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	22.64	22.68	22.71	23.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	22.76	22.77	22.76	23.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	22.73	22.77	22.61	23.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	22.72	22.59	22.78	23.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	22.61	22.75	22.61	23.5





<FR1 n77\_HPUE\_Ant 0\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		13.18		13.5
100	PI/2 BPSK	1	137		12.94		
100	PI/2 BPSK	1	271		12.85		
100	PI/2 BPSK	135	0		13.05		13.5
100	PI/2 BPSK	135	69		12.92		13.5
100	PI/2 BPSK	135	138		12.91		13.5
100	PI/2 BPSK	270	0		13.03		
100	QPSK	1	1		13.07		13.5
100	QPSK	1	137		12.88		
100	QPSK	1	271		12.80		
100	QPSK	135	0		13.02		13.5
100	QPSK	135	69		12.83		
100	QPSK	135	138		12.83		
100	QPSK	270	0		12.98		13.5
100	16QAM	1	1		13.05		13.5
100	64QAM	1	1		13.00		13.5
100	256QAM	1	1		12.96		13.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	12.94	13.02	13.04	13.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	12.91	13.04	13.03	13.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	12.88	13.14	12.91	13.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	12.81	13.13	12.99	13.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	12.91	13.02	13.00	13.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	12.82	13.10	13.05	13.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	12.85	13.05	13.01	13.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	12.90	13.10	13.02	13.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	13.00	13.11	13.00	13.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	12.94	12.98	12.95	13.5



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		12.5
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		11.10		12.5
100	PI/2 BPSK	1	137		10.75		
100	PI/2 BPSK	1	271		10.62		12.5
100	PI/2 BPSK	135	0		10.90		
100	PI/2 BPSK	135	69		10.69		12.5
100	PI/2 BPSK	135	138		10.82		
100	PI/2 BPSK	270	0		10.80		12.5
100	QPSK	1	1		10.70		
100	QPSK	1	137		10.64		12.5
100	QPSK	1	271		10.75		
100	QPSK	135	0		10.67		12.5
100	QPSK	135	69		10.63		
100	QPSK	135	138		10.72		12.5
100	QPSK	270	0		10.55		
100	16QAM	1	1		11.08		12.5
100	64QAM	1	1		10.65		
100	256QAM	1	1		10.85		12.5
Channel				633000	633332	633666	12.5
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	10.58	10.57	10.64	12.5
Channel				632668	633332	634000	12.5
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	10.62	10.55	10.69	12.5
Channel				632334	633332	634332	12.5
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	10.63	10.55	10.61	12.5
Channel				632000	633332	634666	12.5
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	10.60	10.74	10.59	12.5
Channel				631668	633332	635000	12.5
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	10.74	10.74	10.58	12.5
Channel				631334	633332	635332	12.5
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	10.75	10.71	10.57	12.5
Channel				631000	633332	635666	12.5
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	10.61	10.62	10.59	12.5
Channel				630668	633332	636000	12.5
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	10.60	10.62	10.58	12.5
Channel				630500	633332	636166	12.5
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	10.70	10.69	10.67	12.5
Channel				630334	633332	636332	12.5
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	10.59	10.68	10.73	12.5



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		15.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		14.87		15.0
100	PI/2 BPSK	1	137		14.66		
100	PI/2 BPSK	1	271		14.43		
100	PI/2 BPSK	135	0		14.75		15.0
100	PI/2 BPSK	135	69		14.66		15.0
100	PI/2 BPSK	135	138		14.53		15.0
100	PI/2 BPSK	270	0		14.64		
100	QPSK	1	1		14.73		15.0
100	QPSK	1	137		14.75		
100	QPSK	1	271		14.40		
100	QPSK	135	0		14.73		15.0
100	QPSK	135	69		14.64		
100	QPSK	135	138		14.51		
100	QPSK	270	0		14.58		15.0
100	16QAM	1	1		14.71		15.0
100	64QAM	1	1		14.77		15.0
100	256QAM	1	1		14.58		15.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	14.48	14.58	14.62	15.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	14.53	14.62	14.54	15.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	14.64	14.49	14.47	15.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	14.55	14.57	14.51	15.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	14.53	14.49	14.65	15.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	14.52	14.55	14.51	15.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	14.49	14.48	14.50	15.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	14.55	14.49	14.62	15.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	14.59	14.52	14.46	15.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	14.59	14.56	14.58	15.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		14.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		13.80		14.0
100	PI/2 BPSK	1	137		13.61		
100	PI/2 BPSK	1	271		13.39		
100	PI/2 BPSK	135	0		13.69		14.0
100	PI/2 BPSK	135	69		13.61		14.0
100	PI/2 BPSK	135	138		13.48		14.0
100	PI/2 BPSK	270	0		13.59		
100	QPSK	1	1		13.67		14.0
100	QPSK	1	137		13.69		
100	QPSK	1	271		13.36		
100	QPSK	135	0		13.67		14.0
100	QPSK	135	69		13.59		
100	QPSK	135	138		13.47		
100	QPSK	270	0		13.53		14.0
100	16QAM	1	1		13.65		14.0
100	64QAM	1	1		13.71		14.0
100	256QAM	1	1		13.53		14.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	13.47	13.49	13.42	14.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	13.56	13.41	13.61	14.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	13.49	13.51	13.58	14.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	13.42	13.43	13.43	14.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	13.45	13.41	13.53	14.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	13.42	13.47	13.51	14.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	13.50	13.45	13.60	14.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	13.58	13.51	13.47	14.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	13.57	13.59	13.48	14.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	13.58	13.53	13.59	14.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		10.70		11.0
100	PI/2 BPSK	1	137		10.52		
100	PI/2 BPSK	1	271		10.54		
100	PI/2 BPSK	135	0		10.61		11.0
100	PI/2 BPSK	135	69		10.48		11.0
100	PI/2 BPSK	135	138		10.44		11.0
100	PI/2 BPSK	270	0		10.69		
100	QPSK	1	1		10.60		11.0
100	QPSK	1	137		10.49		
100	QPSK	1	271		10.45		
100	QPSK	135	0		10.58		11.0
100	QPSK	135	69		10.54		
100	QPSK	135	138		10.40		
100	QPSK	270	0		10.63		11.0
100	16QAM	1	1		10.59		11.0
100	64QAM	1	1		10.69		11.0
100	256QAM	1	1		10.58		11.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	10.43	10.48	10.36	11.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	10.41	10.54	10.44	11.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	10.38	10.48	10.27	11.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	10.49	10.47	10.37	11.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	10.34	10.58	10.30	11.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	10.37	10.51	10.41	11.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	10.49	10.53	10.41	11.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	10.44	10.49	10.29	11.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	10.30	10.43	10.38	11.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	10.40	10.58	10.45	11.0



<FR1 n77\_PC1.5\_Ant 0\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		10.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		9.59		10.0
100	PI/2 BPSK	1	137		9.43		
100	PI/2 BPSK	1	271		9.45		
100	PI/2 BPSK	135	0		9.51		10.0
100	PI/2 BPSK	135	69		9.39		10.0
100	PI/2 BPSK	135	138		9.36		10.0
100	PI/2 BPSK	270	0		9.58		
100	QPSK	1	1		9.50		10.0
100	QPSK	1	137		9.40		
100	QPSK	1	271		9.37		
100	QPSK	135	0		9.48		10.0
100	QPSK	135	69		9.45		
100	QPSK	135	138		9.32		
100	QPSK	270	0		9.53		10.0
100	16QAM	1	1		9.49		10.0
100	64QAM	1	1		9.58		10.0
100	256QAM	1	1		9.48		10.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	9.25	9.38	9.39	10.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	9.33	9.36	9.43	10.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	9.29	9.35	9.38	10.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	9.42	9.34	9.30	10.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	9.23	9.32	9.37	10.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	9.23	9.33	9.27	10.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	9.41	9.32	9.24	10.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	9.27	9.43	9.26	10.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	9.25	9.39	9.25	10.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	9.42	9.33	9.31	10.0



<FR1 n77\_HPUE\_Ant 2\_Sensor  
ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		11.5
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		11.39		11.5
100	PI/2 BPSK	1	137		11.30		
100	PI/2 BPSK	1	271		11.20		11.5
100	PI/2 BPSK	135	0		11.35		
100	PI/2 BPSK	135	69		11.24		11.5
100	PI/2 BPSK	135	138		11.33		
100	PI/2 BPSK	270	0		11.29		11.5
100	QPSK	1	1		11.23		
100	QPSK	1	137		11.29		11.5
100	QPSK	1	271		11.28		
100	QPSK	135	0		11.29		11.5
100	QPSK	135	69		11.15		
100	QPSK	135	138		11.23		11.5
100	QPSK	270	0		11.16		
100	16QAM	1	1		11.24		11.5
100	64QAM	1	1		11.28		11.5
100	256QAM	1	1		10.89		11.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	11.5
90	PI/2 BPSK	1	1	11.22	11.04	11.21	11.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	11.5
80	PI/2 BPSK	1	1	11.17	11.24	11.07	11.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	11.5
70	PI/2 BPSK	1	1	11.10	11.09	11.21	11.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	11.5
60	PI/2 BPSK	1	1	11.14	11.12	11.09	11.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	11.5
50	PI/2 BPSK	1	1	11.10	11.08	11.18	11.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	11.5
40	PI/2 BPSK	1	1	11.21	11.05	11.16	11.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	11.5
30	PI/2 BPSK	1	1	11.13	11.16	11.04	11.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	11.5
20	PI/2 BPSK	1	1	11.04	11.16	11.13	11.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	11.5
15	PI/2 BPSK	1	1	11.17	11.16	11.11	11.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	11.5
10	PI/2 BPSK	1	1	11.05	11.08	11.24	11.5



<FR1 n77\_PC1.5\_Ant 2\_Sensor ON\_TB>

Channel	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		10.5
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		10.47		10.5
100	PI/2 BPSK	1	137		10.39		
100	PI/2 BPSK	1	271		10.30		10.5
100	PI/2 BPSK	135	0		10.43		
100	PI/2 BPSK	135	69		10.33		10.5
100	PI/2 BPSK	135	138		10.41		
100	PI/2 BPSK	270	0		10.38		10.5
100	QPSK	1	1		10.32		
100	QPSK	1	137		10.38		10.5
100	QPSK	1	271		10.37		
100	QPSK	135	0		10.38		10.5
100	QPSK	135	69		10.25		
100	QPSK	135	138		10.32		10.5
100	QPSK	270	0		10.26		
100	16QAM	1	1		10.33		10.5
100	64QAM	1	1		10.37		
100	256QAM	1	1		10.01		10.5
Channel				633000	633332	633666	10.5
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	10.20	10.20	10.38	10.5
Channel				632668	633332	634000	10.5
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	10.25	10.23	10.34	10.5
Channel				632334	633332	634332	10.5
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	10.31	10.20	10.21	10.5
Channel				632000	633332	634666	10.5
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	10.25	10.27	10.20	10.5
Channel				631668	633332	635000	10.5
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	10.32	10.28	10.30	10.5
Channel				631334	633332	635332	10.5
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	10.26	10.38	10.39	10.5
Channel				631000	633332	635666	10.5
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	10.35	10.26	10.24	10.5
Channel				630668	633332	636000	10.5
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	10.34	10.29	10.32	10.5
Channel				630500	633332	636166	10.5
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	10.33	10.34	10.37	10.5
Channel				630334	633332	636332	10.5
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	10.27	10.30	10.19	10.5





<FR1 n77\_HPUE\_Ant 1\_Sensor  
OFF(SRS)\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		9.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		8.94		9.0
100	PI/2 BPSK	1	137		8.92		
100	PI/2 BPSK	1	271		8.90		9.0
100	PI/2 BPSK	135	0		8.86		
100	PI/2 BPSK	135	69		8.80		9.0
100	PI/2 BPSK	135	138		8.77		
100	PI/2 BPSK	270	0		8.88		9.0
100	QPSK	1	1		8.81		
100	QPSK	1	137		8.80		9.0
100	QPSK	1	271		8.87		
100	QPSK	135	0		8.85		9.0
100	QPSK	135	69		8.82		
100	QPSK	135	138		8.84		9.0
100	QPSK	270	0		8.86		
100	16QAM	1	1		8.85		9.0
100	64QAM	1	1		8.80		
100	256QAM	1	1		8.85		9.0
Channel				633000	633332	633666	
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	8.65	8.82	8.72	9.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	8.69	8.84	8.72	9.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	8.63	8.78	8.81	9.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	8.70	8.80	8.74	9.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	8.77	8.93	8.78	9.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	8.61	8.89	8.76	9.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	8.79	8.78	8.80	9.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	8.75	8.89	8.68	9.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	8.79	8.87	8.80	9.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	8.60	8.80	8.80	9.0



**<FR1 n77\_PC1.5\_Ant 1\_Sensor OFF(SRS)\_NB/TB>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		8.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		7.84		8.0
100	PI/2 BPSK	1	137		7.82		
100	PI/2 BPSK	1	271		7.80		
100	PI/2 BPSK	135	0		7.77		8.0
100	PI/2 BPSK	135	69		7.72		8.0
100	PI/2 BPSK	135	138		7.69		8.0
100	PI/2 BPSK	270	0		7.79		
100	QPSK	1	1		7.73		8.0
100	QPSK	1	137		7.72		
100	QPSK	1	271		7.78		
100	QPSK	135	0		7.76		8.0
100	QPSK	135	69		7.73		
100	QPSK	135	138		7.75		
100	QPSK	270	0		7.77		8.0
100	16QAM	1	1		7.76		8.0
100	64QAM	1	1		7.72		8.0
100	256QAM	1	1		7.76		8.0
Channel				633000	633332	633666	8.0
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	7.63	7.66	7.80	8.0
Channel				632668	633332	634000	8.0
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	7.79	7.76	7.70	8.0
Channel				632334	633332	634332	8.0
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	7.70	7.69	7.70	8.0
Channel				632000	633332	634666	8.0
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	7.78	7.78	7.77	8.0
Channel				631668	633332	635000	8.0
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	7.82	7.77	7.79	8.0
Channel				631334	633332	635332	8.0
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	7.66	7.65	7.81	8.0
Channel				631000	633332	635666	8.0
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	7.64	7.67	7.64	8.0
Channel				630668	633332	636000	8.0
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	7.65	7.73	7.79	8.0
Channel				630500	633332	636166	8.0
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	7.73	7.79	7.63	8.0
Channel				630334	633332	636332	8.0
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	7.82	7.81	7.73	8.0



<FR1 n77\_HPUE\_Ant 3\_Sensor OFF(SRS)\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		10.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		9.91		10.0
100	PI/2 BPSK	1	137		9.73		
100	PI/2 BPSK	1	271		9.65		
100	PI/2 BPSK	135	0		9.85		10.0
100	PI/2 BPSK	135	69		9.81		10.0
100	PI/2 BPSK	135	138		9.82		10.0
100	PI/2 BPSK	270	0		9.79		
100	QPSK	1	1		9.67		10.0
100	QPSK	1	137		9.64		
100	QPSK	1	271		9.69		
100	QPSK	135	0		9.57		10.0
100	QPSK	135	69		9.55		
100	QPSK	135	138		9.54		
100	QPSK	270	0		9.69		10.0
100	16QAM	1	1		9.65		10.0
100	64QAM	1	1		9.72		10.0
100	256QAM	1	1		9.63		10.0
Channel				633000	633332	633666	10.0
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	9.81	9.85	9.81	10.0
Channel				632668	633332	634000	10.0
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	9.85	9.84	9.71	10.0
Channel				632334	633332	634332	10.0
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	9.87	9.75	9.82	10.0
Channel				632000	633332	634666	10.0
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	9.82	9.85	9.84	10.0
Channel				631668	633332	635000	10.0
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	9.75	9.79	9.80	10.0
Channel				631334	633332	635332	10.0
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	9.89	9.80	9.75	10.0
Channel				631000	633332	635666	10.0
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	9.79	9.91	9.83	10.0
Channel				630668	633332	636000	10.0
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	9.91	9.81	9.75	10.0
Channel				630500	633332	636166	10.0
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	9.78	9.84	9.91	10.0
Channel				630334	633332	636332	10.0
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	9.79	9.79	9.82	10.0



<FR1 n77\_PC1.5\_Ant 3\_Sensor  
OFF(SRS) NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		9.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		8.90		9.0
100	PI/2 BPSK	1	137		8.60		
100	PI/2 BPSK	1	271		8.62		
100	PI/2 BPSK	135	0		8.84		9.0
100	PI/2 BPSK	135	69		8.68		9.0
100	PI/2 BPSK	135	138		8.67		9.0
100	PI/2 BPSK	270	0		8.77		
100	QPSK	1	1		8.63		9.0
100	QPSK	1	137		8.47		
100	QPSK	1	271		8.52		
100	QPSK	135	0		8.54		9.0
100	QPSK	135	69		8.44		
100	QPSK	135	138		8.49		
100	QPSK	270	0		8.51		9.0
100	16QAM	1	1		8.57		9.0
100	64QAM	1	1		8.65		9.0
100	256QAM	1	1		8.52		9.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	8.42	8.51	8.49	9.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	8.53	8.59	8.55	9.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	8.46	8.60	8.59	9.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	8.60	8.44	8.45	9.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	8.53	8.55	8.56	9.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	8.58	8.43	8.45	9.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	8.61	8.55	8.55	9.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	8.61	8.49	8.56	9.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	8.46	8.48	8.56	9.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	8.46	8.62	8.53	9.0



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<FR1 n78\_Ant 0\_Sensor OFF\_NB/TB

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		23.66		24.0
100	PI/2 BPSK	1	137		23.38		
100	PI/2 BPSK	1	271		23.17		
100	PI/2 BPSK	135	0		23.21		24.0
100	PI/2 BPSK	135	69		23.41		24.0
100	PI/2 BPSK	135	138		23.33		24.0
100	PI/2 BPSK	270	0		23.13		
100	QPSK	1	1		23.29		24.0
100	QPSK	1	137		23.31		
100	QPSK	1	271		22.96		
100	QPSK	135	0		23.33		24.0
100	QPSK	135	69		23.39		
100	QPSK	135	138		23.21		
100	QPSK	270	0		23.42		24.0
100	16QAM	1	1		23.46		24.0
100	64QAM	1	1		23.27		24.0
100	256QAM	1	1		22.38		23.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	23.39	23.61	23.39	24.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	23.38	23.50	23.26	24.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	23.25	23.53	23.23	24.0
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	23.34	23.49	23.26	24.0
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	23.32	23.62	23.21	24.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	23.21	23.51	23.20	24.0
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	23.23	23.63	23.38	24.0
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	23.21	23.56	23.34	24.0
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	23.28	23.64	23.28	24.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	23.36	23.52	23.34	24.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		23.76		24.0
100	PI/2 BPSK	1	137		23.32		
100	PI/2 BPSK	1	271		23.07		
100	PI/2 BPSK	135	0		23.30		24.0
100	PI/2 BPSK	135	69		23.23		24.0
100	PI/2 BPSK	135	138		23.12		24.0
100	PI/2 BPSK	270	0		23.30		
100	QPSK	1	1		23.56		24.0
100	QPSK	1	137		23.38		
100	QPSK	1	271		23.17		
100	QPSK	135	0		23.42		24.0
100	QPSK	135	69		23.34		
100	QPSK	135	138		23.07		
100	QPSK	270	0		23.33		24.0
100	16QAM	1	1		23.36		24.0
100	64QAM	1	1		23.42		24.0
100	256QAM	1	1		21.50		21.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	23.62	23.67	23.61	24.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	23.63	23.72	23.69	24.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	23.63	23.72	23.69	24.0
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	23.71	23.63	23.58	24.0
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	23.71	23.66	23.57	24.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	23.61	23.67	23.60	24.0
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	23.56	23.58	23.74	24.0
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	23.60	23.70	23.75	24.0
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	23.66	23.66	23.58	24.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	23.75	23.66	23.59	24.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		12.29		12.5
100	PI/2 BPSK	1	137		12.07		
100	PI/2 BPSK	1	271		11.75		
100	PI/2 BPSK	135	0		11.89		12.5
100	PI/2 BPSK	135	69		11.81		12.5
100	PI/2 BPSK	135	138		11.71		12.5
100	PI/2 BPSK	270	0		11.94		
100	QPSK	1	1		11.92		12.5
100	QPSK	1	137		11.77		
100	QPSK	1	271		11.85		
100	QPSK	135	0		11.66		12.5
100	QPSK	135	69		11.73		
100	QPSK	135	138		11.84		
100	QPSK	270	0		11.81		12.5
100	16QAM	1	1		11.97		12.5
100	64QAM	1	1		11.69		12.5
100	256QAM	1	1		11.88		12.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	11.92	12.17	11.91	12.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	11.90	12.14	12.03	12.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	12.07	12.19	11.92	12.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	12.02	12.10	12.05	12.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	11.95	12.17	11.90	12.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	11.93	12.07	12.05	12.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	12.05	12.14	11.95	12.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	11.99	12.25	11.90	12.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	12.05	12.13	11.96	12.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	12.02	12.09	12.09	12.5



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		17.49		17.5
100	PI/2 BPSK	1	137		17.36		
100	PI/2 BPSK	1	271		17.03		
100	PI/2 BPSK	135	0		17.43		17.5
100	PI/2 BPSK	135	69		17.32		17.5
100	PI/2 BPSK	135	138		17.16		17.5
100	PI/2 BPSK	270	0		17.30		
100	QPSK	1	1		17.42		17.5
100	QPSK	1	137		17.34		
100	QPSK	1	271		17.05		
100	QPSK	135	0		17.40		17.5
100	QPSK	135	69		17.30		
100	QPSK	135	138		17.17		
100	QPSK	270	0		17.21		17.5
100	16QAM	1	1		17.22		17.5
100	64QAM	1	1		17.35		17.5
100	256QAM	1	1		17.45		17.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	17.17	17.26	17.18	17.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	17.36	17.16	17.23	17.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	17.36	17.31	17.30	17.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	17.36	17.32	17.31	17.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	17.20	17.23	17.25	17.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	17.32	17.28	17.36	17.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	17.24	17.36	17.27	17.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	17.36	17.35	17.34	17.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	17.16	17.28	17.18	17.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	17.20	17.16	17.28	17.5





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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		10.15		10.5
100	PI/2 BPSK	1	137		10.02		
100	PI/2 BPSK	1	271		9.85		
100	PI/2 BPSK	135	0		10.05		10.5
100	PI/2 BPSK	135	69		9.91		10.5
100	PI/2 BPSK	135	138		9.69		10.5
100	PI/2 BPSK	270	0		10.11		
100	QPSK	1	1		9.83		10.5
100	QPSK	1	137		9.71		
100	QPSK	1	271		9.84		
100	QPSK	135	0		10.08		10.5
100	QPSK	135	69		9.83		
100	QPSK	135	138		9.79		
100	QPSK	270	0		9.96		10.5
100	16QAM	1	1		9.90		10.5
100	64QAM	1	1		10.02		10.5
100	256QAM	1	1		10.07		10.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	10.05	10.03	9.95	10.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	9.98	10.02	9.97	10.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	9.90	10.04	10.01	10.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	9.85	10.10	9.95	10.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	9.87	10.07	9.91	10.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	9.95	10.10	9.99	10.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	10.05	10.10	9.93	10.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	10.04	10.04	10.06	10.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	10.04	10.11	10.07	10.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	9.89	10.05	9.98	10.5



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		10.15		10.5
100	PI/2 BPSK	1	137		10.02		
100	PI/2 BPSK	1	271		9.85		
100	PI/2 BPSK	135	0		10.05		10.5
100	PI/2 BPSK	135	69		9.91		10.5
100	PI/2 BPSK	135	138		9.69		10.5
100	PI/2 BPSK	270	0		10.11		
100	QPSK	1	1		9.83		10.5
100	QPSK	1	137		9.71		
100	QPSK	1	271		9.84		
100	QPSK	135	0		10.08		10.5
100	QPSK	135	69		9.83		
100	QPSK	135	138		9.79		
100	QPSK	270	0		9.96		10.5
100	16QAM	1	1		9.90		10.5
100	64QAM	1	1		10.02		10.5
100	256QAM	1	1		10.07		10.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	10.05	10.03	9.95	10.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	9.98	10.02	9.97	10.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	9.90	10.04	10.01	10.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	9.85	10.10	9.95	10.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	9.87	10.07	9.91	10.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	9.95	10.10	9.99	10.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	10.05	10.10	9.93	10.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	10.04	10.04	10.06	10.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	10.04	10.11	10.07	10.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	9.89	10.05	9.98	10.5



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		9.45		9.5
100	PI/2 BPSK	1	137		9.32		
100	PI/2 BPSK	1	271		8.89		
100	PI/2 BPSK	135	0		9.33		9.5
100	PI/2 BPSK	135	69		9.27		9.5
100	PI/2 BPSK	135	138		8.98		9.5
100	PI/2 BPSK	270	0		9.05		
100	QPSK	1	1		9.32		9.5
100	QPSK	1	137		9.28		
100	QPSK	1	271		8.91		
100	QPSK	135	0		9.37		9.5
100	QPSK	135	69		9.26		
100	QPSK	135	138		8.97		
100	QPSK	270	0		9.01		9.5
100	16QAM	1	1		9.30		9.5
100	64QAM	1	1		9.39		9.5
100	256QAM	1	1		9.37		9.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	9.32	9.18	9.31	9.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	9.13	9.18	9.23	9.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	9.32	9.28	9.21	9.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	9.12	9.18	9.32	9.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	9.29	9.14	9.13	9.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	9.28	9.16	9.29	9.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	9.22	9.14	9.25	9.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	9.29	9.19	9.29	9.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	9.22	9.12	9.20	9.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	9.13	9.30	9.13	9.5



<FR1 n78\_Ant 1\_Sensor OFF(SRS)\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		9.5
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		9.42		9.5
100	PI/2 BPSK	1	137		9.12		
100	PI/2 BPSK	1	271		9.05		
100	PI/2 BPSK	135	0		9.19		9.5
100	PI/2 BPSK	135	69		9.15		9.5
100	PI/2 BPSK	135	138		9.01		9.5
100	PI/2 BPSK	270	0		9.05		
100	QPSK	1	1		9.21		
100	QPSK	1	137		9.14		9.5
100	QPSK	1	271		8.99		
100	QPSK	135	0		9.21		
100	QPSK	135	69		9.11		9.5
100	QPSK	135	138		8.99		
100	QPSK	270	0		9.08		
100	16QAM	1	1		9.24		9.5
100	64QAM	1	1		9.09		9.5
100	256QAM	1	1		9.20		9.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	9.05	9.38	9.17	9.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	8.98	9.41	9.18	9.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	9.15	9.34	9.16	9.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	9.12	9.39	9.01	9.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	9.06	9.25	9.12	9.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	9.13	9.41	9.02	9.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	9.06	9.22	9.00	9.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	8.98	9.41	9.03	9.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	8.96	9.25	9.10	9.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	9.09	9.31	9.11	9.5



<FR1 n78\_Ant 3\_Sensor OFF(SRS)\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		9.69		10.0
100	PI/2 BPSK	1	137		9.27		
100	PI/2 BPSK	1	271		9.12		
100	PI/2 BPSK	135	0		9.25		10.0
100	PI/2 BPSK	135	69		9.13		10.0
100	PI/2 BPSK	135	138		8.94		10.0
100	PI/2 BPSK	270	0		8.84		
100	QPSK	1	1		9.43		10.0
100	QPSK	1	137		9.38		
100	QPSK	1	271		9.14		
100	QPSK	135	0		9.28		10.0
100	QPSK	135	69		9.06		
100	QPSK	135	138		8.94		
100	QPSK	270	0		9.27		10.0
100	16QAM	1	1		9.53		10.0
100	64QAM	1	1		9.11		10.0
100	256QAM	1	1		9.27		10.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	9.46	9.49	9.47	10.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	9.42	9.52	9.45	10.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	9.50	9.63	9.41	10.0
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	9.45	9.62	9.43	10.0
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	9.32	9.67	9.46	10.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	9.43	9.65	9.51	10.0
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	9.43	9.60	9.53	10.0
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	9.49	9.65	9.59	10.0
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	9.45	9.57	9.59	10.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	9.36	9.52	9.44	10.0



<FR1 n78\_HPUE\_Ant 0\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		26.13		26.5
100	PI/2 BPSK	1	137		25.93		
100	PI/2 BPSK	1	271		25.91		
100	PI/2 BPSK	135	0		25.81		26.5
100	PI/2 BPSK	135	69		25.99		26.5
100	PI/2 BPSK	135	138		25.76		26.5
100	PI/2 BPSK	270	0		25.66		
100	QPSK	1	1		26.02		26.5
100	QPSK	1	137		25.90		
100	QPSK	1	271		25.43		
100	QPSK	135	0		25.96		26.5
100	QPSK	135	69		25.78		
100	QPSK	135	138		25.76		
100	QPSK	270	0		25.95		26.0
100	16QAM	1	1		25.64		26.0
100	64QAM	1	1		24.07		24.5
100	256QAM	1	1		22.08		22.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	26.05	26.07	26.02	26.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	25.89	26.07	26.08	26.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	26.01	25.99	26.05	26.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	25.86	25.99	25.98	26.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	26.02	26.02	26.03	26.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	25.91	25.98	25.90	26.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	26.05	26.13	25.99	26.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	25.97	25.94	25.90	26.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	26.01	25.93	26.07	26.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	25.97	26.03	26.07	26.5



<FR1 n78\_PC1.5\_Ant 0\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		25.26		25.5
100	PI/2 BPSK	1	137		25.16		
100	PI/2 BPSK	1	271		24.75		
100	PI/2 BPSK	135	0		25.07		25.5
100	PI/2 BPSK	135	69		24.83		25.5
100	PI/2 BPSK	135	138		24.66		25.5
100	PI/2 BPSK	270	0		25.10		
100	QPSK	1	1		25.23		25.5
100	QPSK	1	137		25.15		
100	QPSK	1	271		24.76		
100	QPSK	135	0		24.43		25.5
100	QPSK	135	69		24.68		
100	QPSK	135	138		24.04		
100	QPSK	270	0		24.55		25.0
100	16QAM	1	1		24.75		25.0
100	64QAM	1	1		23.29		23.5
100	256QAM	1	1		21.36		21.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	25.07	25.07	24.98	25.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	25.06	25.13	25.03	25.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	25.13	25.11	24.98	25.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	25.09	25.14	25.16	25.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	25.13	25.08	25.03	25.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	25.16	25.11	25.12	25.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	25.04	24.96	25.12	25.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	25.03	25.07	25.16	25.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	25.02	24.96	25.11	25.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	25.15	24.96	25.07	25.5



<FR1 n78\_HPUE\_Ant 2\_Sensor OFF\_NB/TN>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		23.93		24.5
100	PI/2 BPSK	1	137		23.85		
100	PI/2 BPSK	1	271		23.38		
100	PI/2 BPSK	135	0		23.91		24.5
100	PI/2 BPSK	135	69		23.83		24.5
100	PI/2 BPSK	135	138		23.58		24.5
100	PI/2 BPSK	270	0		23.83		
100	QPSK	1	1		23.82		24.5
100	QPSK	1	137		23.76		
100	QPSK	1	271		23.37		
100	QPSK	135	0		23.82		24.5
100	QPSK	135	69		23.79		
100	QPSK	135	138		23.44		
100	QPSK	270	0		23.66		24.5
100	16QAM	1	1		23.82		24.5
100	64QAM	1	1		23.38		24.5
100	256QAM	1	1		21.40		22.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	26.05	26.07	26.02	24.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	25.89	26.07	26.08	24.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	26.01	25.99	26.05	24.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	25.86	25.99	25.98	24.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	26.02	26.02	26.03	24.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	25.91	25.98	25.90	24.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	26.05	26.13	25.99	24.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	25.97	25.94	25.90	24.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	26.01	25.93	26.07	24.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	25.97	26.03	26.07	24.5





<FR1 n78\_PC1.5\_Ant 2\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		22.89		23.5
100	PI/2 BPSK	1	137		22.66		
100	PI/2 BPSK	1	271		22.16		
100	PI/2 BPSK	135	0		22.78		23.5
100	PI/2 BPSK	135	69		22.68		23.5
100	PI/2 BPSK	135	138		22.27		23.5
100	PI/2 BPSK	270	0		22.50		
100	QPSK	1	1		22.63		23.5
100	QPSK	1	137		22.61		
100	QPSK	1	271		22.17		
100	QPSK	135	0		22.59		23.5
100	QPSK	135	69		22.56		
100	QPSK	135	138		22.38		
100	QPSK	270	0		22.62		23.5
100	16QAM	1	1		22.60		23.5
100	64QAM	1	1		22.17		23.5
100	256QAM	1	1		20.29		21.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	22.50	22.56	22.54	23.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	22.64	22.51	22.64	23.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	22.51	22.62	22.54	23.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	22.55	22.51	22.46	23.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	22.48	22.65	22.57	23.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	22.49	22.46	22.58	23.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	22.48	22.54	22.62	23.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	22.63	22.57	22.48	23.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	22.51	22.53	22.61	23.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	22.64	22.56	22.58	23.5



<FR1 n78\_HPUE\_Ant 0\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		12.10		12.5
100	PI/2 BPSK	1	137		11.95		
100	PI/2 BPSK	1	271		11.65		
100	PI/2 BPSK	135	0		11.92		12.5
100	PI/2 BPSK	135	69		11.68		12.5
100	PI/2 BPSK	135	138		11.83		12.5
100	PI/2 BPSK	270	0		11.78		
100	QPSK	1	1		11.75		12.5
100	QPSK	1	137		11.62		
100	QPSK	1	271		11.77		
100	QPSK	135	0		11.55		12.5
100	QPSK	135	69		11.58		
100	QPSK	135	138		11.66		
100	QPSK	270	0		11.67		12.5
100	16QAM	1	1		11.94		12.5
100	64QAM	1	1		11.61		12.5
100	256QAM	1	1		11.85		12.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	12.02	12.04	12.09	12.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	11.87	12.05	11.95	12.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	11.85	12.04	12.04	12.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	11.95	12.02	11.89	12.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	12.00	12.04	11.96	12.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	11.92	12.05	12.05	12.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	11.94	11.93	12.06	12.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	11.82	12.02	11.89	12.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	11.98	11.96	11.97	12.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	11.85	11.97	12.01	12.5



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		Tune-up limit (dBm)
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		11.01		11.5
100	PI/2 BPSK	1	137		10.87		
100	PI/2 BPSK	1	271		10.60		
100	PI/2 BPSK	135	0		10.85		11.5
100	PI/2 BPSK	135	69		10.63		11.5
100	PI/2 BPSK	135	138		10.76		11.5
100	PI/2 BPSK	270	0		10.72		
100	QPSK	1	1		10.69		11.5
100	QPSK	1	137		10.57		
100	QPSK	1	271		10.71		
100	QPSK	135	0		10.51		11.5
100	QPSK	135	69		10.54		
100	QPSK	135	138		10.61		
100	QPSK	270	0		10.62		11.5
100	16QAM	1	1		10.86		11.5
100	64QAM	1	1		10.56		11.5
100	256QAM	1	1		10.78		11.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	10.50	10.46	10.50	11.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	10.49	10.48	10.45	11.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	10.41	10.60	10.60	11.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	10.59	10.47	10.59	11.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	10.51	10.55	10.51	11.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	10.43	10.54	10.58	11.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	10.54	10.44	10.50	11.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	10.60	10.47	10.40	11.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	10.56	10.59	10.45	11.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	10.59	10.48	10.51	11.5



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		17.44		17.5
100	PI/2 BPSK	1	137		17.31		
100	PI/2 BPSK	1	271		16.98		
100	PI/2 BPSK	135	0		17.38		17.5
100	PI/2 BPSK	135	69		17.27		17.5
100	PI/2 BPSK	135	138		17.11		17.5
100	PI/2 BPSK	270	0		17.25		
100	QPSK	1	1		17.37		17.5
100	QPSK	1	137		17.29		
100	QPSK	1	271		17.00		
100	QPSK	135	0		17.35		17.5
100	QPSK	135	69		17.25		
100	QPSK	135	138		17.12		
100	QPSK	270	0		17.16		17.5
100	16QAM	1	1		17.17		17.5
100	64QAM	1	1		17.30		17.5
100	256QAM	1	1		17.40		17.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	17.18	17.27	17.27	17.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	17.16	17.23	17.19	17.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	17.17	17.27	17.17	17.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	17.27	17.29	17.22	17.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	17.25	17.12	17.17	17.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	17.15	17.23	17.19	17.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	17.18	17.28	17.16	17.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	17.24	17.11	17.18	17.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	17.20	17.18	17.20	17.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	17.29	17.26	17.29	17.5



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		16.28		16.5
100	PI/2 BPSK	1	137		16.20		
100	PI/2 BPSK	1	271		16.21		
100	PI/2 BPSK	135	0		16.24		16.5
100	PI/2 BPSK	135	69		16.20		16.5
100	PI/2 BPSK	135	138		16.23		16.5
100	PI/2 BPSK	270	0		16.20		
100	QPSK	1	1		16.17		16.5
100	QPSK	1	137		16.26		
100	QPSK	1	271		16.21		
100	QPSK	135	0		16.24		16.5
100	QPSK	135	69		16.26		
100	QPSK	135	138		16.24		
100	QPSK	270	0		16.19		16.5
100	16QAM	1	1		16.01		16.5
100	64QAM	1	1		15.97		16.5
100	256QAM	1	1		16.14		16.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	16.03	16.18	16.16	16.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	16.14	16.03	16.11	16.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	16.14	16.07	16.00	16.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	16.06	16.04	16.07	16.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	16.07	16.14	16.18	16.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	16.00	16.11	16.13	16.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	16.16	16.13	16.14	16.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	16.12	16.18	16.06	16.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	16.10	16.18	16.02	16.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	16.16	16.12	16.18	16.5



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		10.25		10.5
100	PI/2 BPSK	1	137		9.98		
100	PI/2 BPSK	1	271		9.90		
100	PI/2 BPSK	135	0		10.13		10.5
100	PI/2 BPSK	135	69		9.88		10.5
100	PI/2 BPSK	135	138		9.69		10.5
100	PI/2 BPSK	270	0		10.10		
100	QPSK	1	1		9.78		10.5
100	QPSK	1	137		9.77		
100	QPSK	1	271		9.81		
100	QPSK	135	0		10.12		10.5
100	QPSK	135	69		9.81		
100	QPSK	135	138		9.79		
100	QPSK	270	0		9.89		10.5
100	16QAM	1	1		9.81		10.5
100	64QAM	1	1		10.09		10.5
100	256QAM	1	1		10.06		10.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	10.04	10.11	9.91	10.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	9.93	10.10	9.94	10.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	9.97	10.05	9.95	10.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	9.91	10.06	9.90	10.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	10.01	10.18	9.91	10.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	9.91	10.19	10.03	10.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	9.86	10.17	9.97	10.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	10.05	10.10	10.01	10.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	10.04	10.23	10.02	10.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	9.87	10.09	10.07	10.5



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		9.47		9.5
100	PI/2 BPSK	1	137		9.33		
100	PI/2 BPSK	1	271		9.13		
100	PI/2 BPSK	135	0		9.41		9.5
100	PI/2 BPSK	135	69		9.40		9.5
100	PI/2 BPSK	135	138		9.27		9.5
100	PI/2 BPSK	270	0		9.37		
100	QPSK	1	1		9.43		9.5
100	QPSK	1	137		9.26		
100	QPSK	1	271		9.20		
100	QPSK	135	0		9.35		9.5
100	QPSK	135	69		9.25		
100	QPSK	135	138		9.07		
100	QPSK	270	0		9.35		9.5
100	16QAM	1	1		9.41		9.5
100	64QAM	1	1		9.34		9.5
100	256QAM	1	1		9.44		9.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	9.30	9.27	9.31	9.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	9.33	9.21	9.26	9.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	9.33	9.23	9.29	9.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	9.32	9.13	9.17	9.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	9.30	9.18	9.26	9.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	9.14	9.14	9.28	9.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	9.29	9.26	9.20	9.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	9.19	9.23	9.13	9.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	9.25	9.20	9.32	9.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	9.28	9.29	9.16	9.5



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		9.46		9.5
100	PI/2 BPSK	1	137		9.33		
100	PI/2 BPSK	1	271		9.00		
100	PI/2 BPSK	135	0		9.38		9.5
100	PI/2 BPSK	135	69		9.32		9.5
100	PI/2 BPSK	135	138		9.13		9.5
100	PI/2 BPSK	270	0		9.26		
100	QPSK	1	1		9.40		9.5
100	QPSK	1	137		9.27		
100	QPSK	1	271		8.99		
100	QPSK	135	0		9.37		9.5
100	QPSK	135	69		9.31		
100	QPSK	135	138		9.15		
100	QPSK	270	0		9.21		9.5
100	16QAM	1	1		9.39		9.5
100	64QAM	1	1		9.44		9.5
100	256QAM	1	1		9.35		9.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	9.20	9.21	9.29	9.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	9.15	9.29	9.13	9.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	9.14	9.16	9.16	9.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	9.25	9.30	9.33	9.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	9.22	9.28	9.21	9.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	9.33	9.17	9.24	9.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	9.15	9.25	9.27	9.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	9.13	9.26	9.26	9.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	9.20	9.14	9.20	9.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	9.16	9.30	9.22	9.5





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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		8.27		8.5
100	PI/2 BPSK	1	137		8.17		
100	PI/2 BPSK	1	271		8.25		
100	PI/2 BPSK	135	0		8.23		8.5
100	PI/2 BPSK	135	69		8.24		8.5
100	PI/2 BPSK	135	138		8.21		8.5
100	PI/2 BPSK	270	0		8.22		
100	QPSK	1	1		8.11		8.5
100	QPSK	1	137		8.19		
100	QPSK	1	271		8.20		
100	QPSK	135	0		8.22		8.5
100	QPSK	135	69		8.24		
100	QPSK	135	138		8.25		
100	QPSK	270	0		8.25		8.5
100	16QAM	1	1		8.13		8.5
100	64QAM	1	1		8.08		8.5
100	256QAM	1	1		8.16		8.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	8.14	8.15	8.23	8.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	8.06	8.12	8.23	8.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	8.14	8.17	8.11	8.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	8.11	8.15	8.11	8.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	8.24	8.07	8.15	8.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	8.20	8.20	8.11	8.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	8.12	8.15	8.09	8.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	8.05	8.10	8.12	8.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	8.06	8.18	8.20	8.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	8.15	8.11	8.11	8.5



<FR1 n78\_HPUE\_Ant 1\_Sensor OFF(SRS)\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		Tune-up limit (dBm)
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		9.35		9.5
100	PI/2 BPSK	1	137		8.93		
100	PI/2 BPSK	1	271		8.91		
100	PI/2 BPSK	135	0		9.06		9.5
100	PI/2 BPSK	135	69		9.07		9.5
100	PI/2 BPSK	135	138		8.85		9.5
100	PI/2 BPSK	270	0		9.00		
100	QPSK	1	1		9.08		9.5
100	QPSK	1	137		9.01		
100	QPSK	1	271		8.97		
100	QPSK	135	0		9.19		9.5
100	QPSK	135	69		8.97		
100	QPSK	135	138		8.88		
100	QPSK	270	0		8.89		9.5
100	16QAM	1	1		9.07		9.5
100	64QAM	1	1		9.08		9.5
100	256QAM	1	1		9.03		9.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	8.97	9.27	8.96	9.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	9.00	9.17	8.98	9.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	9.02	9.28	9.00	9.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	8.94	9.10	8.92	9.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	9.02	9.14	8.99	9.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	9.08	9.18	8.99	9.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	9.10	9.21	8.91	9.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	9.03	9.25	9.09	9.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	9.07	9.09	9.09	9.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	9.03	9.15	9.06	9.5



<FR1 n78\_PC1.5\_Ant 1\_Sensor OFF(SRS)\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		8.5
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		7.62		8.5
100	PI/2 BPSK	1	137		7.41		
100	PI/2 BPSK	1	271		7.53		
100	PI/2 BPSK	135	0		7.45		8.5
100	PI/2 BPSK	135	69		7.28		8.5
100	PI/2 BPSK	135	138		7.26		8.5
100	PI/2 BPSK	270	0		7.50		
100	QPSK	1	1		7.43		8.5
100	QPSK	1	137		7.40		
100	QPSK	1	271		7.45		
100	QPSK	135	0		7.56		8.5
100	QPSK	135	69		7.40		
100	QPSK	135	138		7.29		
100	QPSK	270	0		7.41		8.5
100	16QAM	1	1		7.30		8.5
100	64QAM	1	1		7.43		8.5
100	256QAM	1	1		7.30		8.5
Channel				649668	650000	650332	8.5
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	7.35	7.37	7.36	8.5
Channel				649334	650000	650666	8.5
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	7.26	7.33	7.39	8.5
Channel				649000	650000	651000	8.5
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	7.27	7.34	7.37	8.5
Channel				648668	650000	651332	8.5
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	7.37	7.34	7.29	8.5
Channel				648334	650000	651666	8.5
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	7.21	7.40	7.34	8.5
Channel				648000	650000	652000	8.5
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	7.23	7.21	7.31	8.5
Channel				647668	650000	652332	8.5
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	7.22	7.31	7.28	8.5
Channel				647334	650000	652666	8.5
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	7.23	7.27	7.40	8.5
Channel				647168	650000	652832	8.5
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	7.34	7.26	7.39	8.5
Channel				647000	650000	653000	8.5
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	7.41	7.41	7.31	8.5



<FR1 n78\_HPUE\_Ant 3\_Sensor OFF(SRS)\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		10.0
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		9.58		10.0
100	PI/2 BPSK	1	137		9.26		
100	PI/2 BPSK	1	271		9.03		
100	PI/2 BPSK	135	0		9.25		10.0
100	PI/2 BPSK	135	69		8.94		10.0
100	PI/2 BPSK	135	138		8.93		10.0
100	PI/2 BPSK	270	0		8.69		
100	QPSK	1	1		9.28		10.0
100	QPSK	1	137		9.37		
100	QPSK	1	271		9.10		
100	QPSK	135	0		9.26		10.0
100	QPSK	135	69		8.90		
100	QPSK	135	138		8.87		
100	QPSK	270	0		9.20		10.0
100	16QAM	1	1		9.52		10.0
100	64QAM	1	1		9.02		10.0
100	256QAM	1	1		9.16		10.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	9.23	9.56	9.27	10.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	9.26	9.53	9.37	10.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	9.34	9.48	9.39	10.0
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	9.35	9.41	9.37	10.0
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	9.24	9.55	9.31	10.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	9.22	9.51	9.23	10.0
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	9.39	9.57	9.35	10.0
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	9.27	9.49	9.23	10.0
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	9.27	9.42	9.36	10.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	9.34	9.52	9.39	10.0



<FR1 n78\_PC1.5\_Ant 3\_Sensor OFF(SRS)\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		9.0
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		8.61		9.0
100	PI/2 BPSK	1	137		8.50		
100	PI/2 BPSK	1	271		8.39		
100	PI/2 BPSK	135	0		8.59		9.0
100	PI/2 BPSK	135	69		8.50		9.0
100	PI/2 BPSK	135	138		8.50		9.0
100	PI/2 BPSK	270	0		8.32		
100	QPSK	1	1		8.49		9.0
100	QPSK	1	137		8.50		
100	QPSK	1	271		8.35		
100	QPSK	135	0		8.56		9.0
100	QPSK	135	69		8.27		
100	QPSK	135	138		8.31		
100	QPSK	270	0		8.41		9.0
100	16QAM	1	1		8.45		9.0
100	64QAM	1	1		8.37		9.0
100	256QAM	1	1		8.47		9.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	8.47	8.41	8.42	9.0
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	8.41	8.46	8.47	9.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	8.37	8.46	8.42	9.0
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	8.47	8.47	8.35	9.0
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	8.30	8.42	8.36	9.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	8.48	8.31	8.49	9.0
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	8.35	8.30	8.34	9.0
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	8.45	8.36	8.34	9.0
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	8.34	8.47	8.33	9.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	8.48	8.47	8.42	9.0



<FR1 n78\_Ant 0\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		24.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.86		24.0
100	PI/2 BPSK	1	137		23.24		
100	PI/2 BPSK	1	271		23.15		
100	PI/2 BPSK	135	0		23.18		24.0
100	PI/2 BPSK	135	69		23.41		24.0
100	PI/2 BPSK	135	138		23.33		24.0
100	PI/2 BPSK	270	0		23.12		
100	QPSK	1	1		23.15		24.0
100	QPSK	1	137		23.29		
100	QPSK	1	271		22.82		
100	QPSK	135	0		23.15		24.0
100	QPSK	135	69		23.37		
100	QPSK	135	138		23.18		
100	QPSK	270	0		23.22		24.0
100	16QAM	1	1		23.39		24.0
100	64QAM	1	1		23.23		24.0
100	256QAM	1	1		22.29		23.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.68	23.67	23.59	24.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.50	23.71	23.60	24.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.58	23.82	23.58	24.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.70	23.73	23.64	24.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.54	23.71	23.63	24.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.64	23.72	23.50	24.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.60	23.84	23.70	24.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.68	23.76	23.69	24.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.68	23.75	23.51	24.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.69	23.66	23.57	24.0



<FR1 n78\_Ant 2\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		24.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		23.65		24.0
100	PI/2 BPSK	1	137		23.53		
100	PI/2 BPSK	1	271		23.54		
100	PI/2 BPSK	135	0		23.46		24.0
100	PI/2 BPSK	135	69		23.42		24.0
100	PI/2 BPSK	135	138		23.44		24.0
100	PI/2 BPSK	270	0		23.45		
100	QPSK	1	1		23.36		24.0
100	QPSK	1	137		23.34		
100	QPSK	1	271		23.62		
100	QPSK	135	0		23.49		24.0
100	QPSK	135	69		23.39		
100	QPSK	135	138		23.55		
100	QPSK	270	0		23.35		24.0
100	16QAM	1	1		23.30		24.0
100	64QAM	1	1		23.32		24.0
100	256QAM	1	1		21.43		22.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.62	23.58	23.51	24.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.55	23.48	23.45	24.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	23.46	23.56	23.62	24.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	23.55	23.46	23.57	24.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	23.63	23.54	23.47	24.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	23.49	23.50	23.55	24.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	23.46	23.64	23.49	24.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	23.56	23.62	23.50	24.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	23.47	23.58	23.54	24.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	23.50	23.54	23.56	24.0



<FR1 n78\_Ant 0\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		12.02		12.5
100	PI/2 BPSK	1	137		11.77		
100	PI/2 BPSK	1	271		11.53		
100	PI/2 BPSK	135	0		11.78		12.5
100	PI/2 BPSK	135	69		11.60		12.5
100	PI/2 BPSK	135	138		11.69		12.5
100	PI/2 BPSK	270	0		11.63		
100	QPSK	1	1		11.55		12.5
100	QPSK	1	137		11.43		
100	QPSK	1	271		11.71		
100	QPSK	135	0		11.48		12.5
100	QPSK	135	69		11.43		
100	QPSK	135	138		11.51		
100	QPSK	270	0		11.67		12.5
100	16QAM	1	1		11.81		12.5
100	64QAM	1	1		11.49		12.5
100	256QAM	1	1		11.80		12.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	11.68	11.74	11.64	12.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	11.67	11.71	11.64	12.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	11.68	11.77	11.74	12.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	11.64	11.68	11.58	12.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	11.60	11.58	11.69	12.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	11.67	11.74	11.70	12.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	11.61	11.63	11.67	12.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	11.60	11.60	11.77	12.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	11.73	11.70	11.71	12.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	11.62	11.66	11.60	12.5





<FR1 n78\_Ant 0\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		17.40		17.5
100	PI/2 BPSK	1	137		17.27		
100	PI/2 BPSK	1	271		16.94		
100	PI/2 BPSK	135	0		17.34		17.5
100	PI/2 BPSK	135	69		17.23		17.5
100	PI/2 BPSK	135	138		17.07		17.5
100	PI/2 BPSK	270	0		17.21		
100	QPSK	1	1		17.33		17.5
100	QPSK	1	137		17.25		
100	QPSK	1	271		16.96		
100	QPSK	135	0		17.31		17.5
100	QPSK	135	69		17.21		
100	QPSK	135	138		17.08		
100	QPSK	270	0		17.12		17.5
100	16QAM	1	1		17.13		17.5
100	64QAM	1	1		17.26		17.5
100	256QAM	1	1		17.36		17.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	17.28	17.29	17.32	17.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	17.25	17.18	17.16	17.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	17.28	17.26	17.21	17.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	17.33	17.31	17.34	17.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	17.20	17.32	17.20	17.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	17.14	17.27	17.15	17.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	17.29	17.23	17.18	17.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	17.20	17.29	17.27	17.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	17.32	17.21	17.24	17.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	17.29	17.14	17.30	17.5



<FR1 n78\_Ant 0\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		10.5
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		10.12		10.5
100	PI/2 BPSK	1	137		9.89		
100	PI/2 BPSK	1	271		10.00		
100	PI/2 BPSK	135	0		9.99		10.5
100	PI/2 BPSK	135	69		9.53		10.5
100	PI/2 BPSK	135	138		9.91		10.5
100	PI/2 BPSK	270	0		9.71		
100	QPSK	1	1		9.63		10.5
100	QPSK	1	137		9.62		
100	QPSK	1	271		9.92		
100	QPSK	135	0		9.75		10.5
100	QPSK	135	69		9.71		
100	QPSK	135	138		9.83		
100	QPSK	270	0		9.75		10.5
100	16QAM	1	1		10.05		10.5
100	64QAM	1	1		9.89		10.5
100	256QAM	1	1		10.10		10.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	9.89	9.93	9.81	10.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	10.01	10.02	9.81	10.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	9.93	9.93	9.74	10.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	9.99	10.07	9.83	10.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	9.86	9.98	9.77	10.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	10.01	10.08	9.75	10.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	10.03	10.08	9.88	10.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	9.85	10.06	9.73	10.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	10.03	10.11	9.71	10.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	10.00	9.98	9.75	10.5



<FR1 n78\_Ant 0\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		10.12		10.5
100	PI/2 BPSK	1	137		9.89		
100	PI/2 BPSK	1	271		10.00		
100	PI/2 BPSK	135	0		9.99		10.5
100	PI/2 BPSK	135	69		9.53		10.5
100	PI/2 BPSK	135	138		9.91		10.5
100	PI/2 BPSK	270	0		9.71		
100	QPSK	1	1		9.63		10.5
100	QPSK	1	137		9.62		
100	QPSK	1	271		9.92		
100	QPSK	135	0		9.75		10.5
100	QPSK	135	69		9.71		
100	QPSK	135	138		9.83		
100	QPSK	270	0		9.75		10.5
100	16QAM	1	1		10.05		10.5
100	64QAM	1	1		9.89		10.5
100	256QAM	1	1		10.10		10.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	9.89	9.93	9.81	10.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	10.01	10.02	9.81	10.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	9.93	9.93	9.74	10.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	9.99	10.07	9.83	10.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	9.86	9.98	9.77	10.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	10.01	10.08	9.75	10.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	10.03	10.08	9.88	10.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	9.85	10.06	9.73	10.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	10.03	10.11	9.71	10.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	10.00	9.98	9.75	10.5



<FR1 n78\_Ant 2\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		9.47		9.5
100	PI/2 BPSK	1	137		9.34		
100	PI/2 BPSK	1	271		8.91		
100	PI/2 BPSK	135	0		9.35		9.5
100	PI/2 BPSK	135	69		9.29		9.5
100	PI/2 BPSK	135	138		9.00		9.5
100	PI/2 BPSK	270	0		9.07		
100	QPSK	1	1		9.34		9.5
100	QPSK	1	137		9.30		
100	QPSK	1	271		8.93		
100	QPSK	135	0		9.39		9.5
100	QPSK	135	69		9.28		
100	QPSK	135	138		8.99		
100	QPSK	270	0		9.03		9.5
100	16QAM	1	1		9.32		9.5
100	64QAM	1	1		9.41		9.5
100	256QAM	1	1		9.39		9.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	9.15	9.23	9.20	9.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	9.34	9.31	9.20	9.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	9.33	9.16	9.25	9.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	9.28	9.21	9.30	9.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	9.25	9.18	9.14	9.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	9.18	9.33	9.32	9.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	9.23	9.29	9.19	9.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	9.25	9.20	9.25	9.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	9.31	9.16	9.34	9.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	9.23	9.16	9.33	9.5



<FR1 n78\_Ant 1\_Sensor OFF(SRS)\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		9.5
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		9.19		9.5
100	PI/2 BPSK	1	137		8.92		
100	PI/2 BPSK	1	271		8.85		
100	PI/2 BPSK	135	0		9.01		9.5
100	PI/2 BPSK	135	69		8.87		9.5
100	PI/2 BPSK	135	138		8.70		9.5
100	PI/2 BPSK	270	0		8.86		
100	QPSK	1	1		9.05		
100	QPSK	1	137		8.93		9.5
100	QPSK	1	271		8.82		
100	QPSK	135	0		8.99		
100	QPSK	135	69		8.77		9.5
100	QPSK	135	138		8.77		
100	QPSK	270	0		9.04		
100	16QAM	1	1		9.00		9.5
100	64QAM	1	1		8.96		9.5
100	256QAM	1	1		8.99		9.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	8.87	9.06	8.99	9.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	8.98	9.01	8.94	9.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	8.91	9.16	8.91	9.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	8.85	8.99	8.86	9.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	8.94	9.00	8.89	9.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	8.84	9.10	8.85	9.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	8.81	9.02	9.01	9.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	8.97	9.16	8.89	9.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	8.83	9.11	8.85	9.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	8.82	9.14	8.87	9.5



<FR1 n78\_Ant 3\_Sensor OFF(SRS)\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		10.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		9.98		10.0
100	PI/2 BPSK	1	137		9.78		
100	PI/2 BPSK	1	271		9.84		
100	PI/2 BPSK	135	0		9.71		10.0
100	PI/2 BPSK	135	69		9.66		10.0
100	PI/2 BPSK	135	138		9.74		10.0
100	PI/2 BPSK	270	0		9.61		
100	QPSK	1	1		9.79		10.0
100	QPSK	1	137		9.77		
100	QPSK	1	271		9.66		
100	QPSK	135	0		9.76		10.0
100	QPSK	135	69		9.70		
100	QPSK	135	138		9.57		
100	QPSK	270	0		9.71		10.0
100	16QAM	1	1		9.66		10.0
100	64QAM	1	1		9.75		10.0
100	256QAM	1	1		9.82		10.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	9.78	9.73	9.62	10.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	9.84	9.89	9.60	10.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	9.65	9.86	9.66	10.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	9.73	9.74	9.61	10.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	9.73	9.71	9.65	10.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	9.83	9.88	9.80	10.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	9.81	9.71	9.63	10.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	9.85	9.71	9.65	10.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	9.84	9.76	9.70	10.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	9.65	9.78	9.72	10.0



<FR1 n78\_HPUE\_Ant 0\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		26.18		26.5
100	PI/2 BPSK	1	137		25.78		
100	PI/2 BPSK	1	271		25.81		
100	PI/2 BPSK	135	0		25.68		26.5
100	PI/2 BPSK	135	69		25.94		26.5
100	PI/2 BPSK	135	138		25.63		26.5
100	PI/2 BPSK	270	0		25.58		
100	QPSK	1	1		25.92		26.5
100	QPSK	1	137		25.71		
100	QPSK	1	271		25.30		
100	QPSK	135	0		25.95		26.5
100	QPSK	135	69		25.68		
100	QPSK	135	138		25.69		
100	QPSK	270	0		25.89		26.5
100	16QAM	1	1		25.59		26.5
100	64QAM	1	1		23.98		24.0
100	256QAM	1	1		22.01		22.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	25.84	26.16	25.85	26.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	25.87	26.02	25.87	26.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	25.85	26.11	25.90	26.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	25.95	26.06	25.91	26.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	25.91	26.00	25.96	26.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	25.80	26.04	25.95	26.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	25.92	26.16	25.97	26.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	25.77	26.07	25.80	26.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	25.78	26.15	25.91	26.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	25.84	26.08	25.96	26.5



<FR1 n78\_PC1.5\_Ant 0\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.62		25.5
100	PI/2 BPSK	1	137		24.52		
100	PI/2 BPSK	1	271		24.12		
100	PI/2 BPSK	135	0		24.43		25.5
100	PI/2 BPSK	135	69		24.20		25.5
100	PI/2 BPSK	135	138		24.03		25.5
100	PI/2 BPSK	270	0		24.46		
100	QPSK	1	1		24.59		25.5
100	QPSK	1	137		24.51		
100	QPSK	1	271		24.13		
100	QPSK	135	0		23.81		25.5
100	QPSK	135	69		24.05		
100	QPSK	135	138		23.53		
100	QPSK	270	0		23.93		25.5
100	16QAM	1	1		24.12		25.5
100	64QAM	1	1		22.70		23.0
100	256QAM	1	1		20.82		21.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	24.43	24.51	24.44	25.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	24.53	24.44	24.47	25.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	24.60	24.53	24.57	25.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	24.49	24.52	24.44	25.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.60	24.55	24.48	25.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	24.53	24.61	24.55	25.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	24.56	24.52	24.51	25.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	24.50	24.57	24.59	25.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	24.60	24.60	24.59	25.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	24.55	24.47	24.57	25.5





<FR1 n78\_HPUE\_Ant 2\_Sensor OFF\_NB/TN>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		24.15		24.5
100	PI/2 BPSK	1	137		23.92		
100	PI/2 BPSK	1	271		24.03		
100	PI/2 BPSK	135	0		23.83		24.5
100	PI/2 BPSK	135	69		23.87		24.5
100	PI/2 BPSK	135	138		23.90		24.5
100	PI/2 BPSK	270	0		23.84		
100	QPSK	1	1		23.84		24.5
100	QPSK	1	137		24.01		
100	QPSK	1	271		24.09		
100	QPSK	135	0		23.91		24.5
100	QPSK	135	69		24.02		
100	QPSK	135	138		23.91		
100	QPSK	270	0		24.02		24.5
100	16QAM	1	1		23.72		24.5
100	64QAM	1	1		23.43		24.5
100	256QAM	1	1		21.03		22.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	23.97	24.11	24.09	24.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	23.98	23.96	24.01	24.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	24.05	23.98	24.03	24.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	24.13	23.98	24.09	24.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	24.04	24.02	24.00	24.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	24.07	24.14	23.97	24.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	24.10	24.12	23.97	24.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	24.11	24.13	24.09	24.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	24.04	24.03	24.09	24.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	24.04	24.14	24.12	24.5



<FR1 n78\_PC1.5\_Ant 2\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		22.83		23.5
100	PI/2 BPSK	1	137		22.78		
100	PI/2 BPSK	1	271		22.75		
100	PI/2 BPSK	135	0		22.69		23.5
100	PI/2 BPSK	135	69		22.70		23.5
100	PI/2 BPSK	135	138		22.64		23.5
100	PI/2 BPSK	270	0		22.65		
100	QPSK	1	1		22.65		23.5
100	QPSK	1	137		22.76		
100	QPSK	1	271		22.71		
100	QPSK	135	0		22.77		23.5
100	QPSK	135	69		22.73		
100	QPSK	135	138		22.69		
100	QPSK	270	0		22.75		23.5
100	16QAM	1	1		22.51		23.5
100	64QAM	1	1		22.16		23.5
100	256QAM	1	1		19.91		21.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	22.59	22.68	22.68	23.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	22.72	22.70	22.72	23.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	22.59	22.77	22.77	23.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	22.66	22.64	22.74	23.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	22.62	22.60	22.67	23.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	22.65	22.78	22.63	23.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	22.67	22.75	22.63	23.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	22.73	22.65	22.75	23.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	22.66	22.61	22.61	23.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	22.76	22.71	22.73	23.5



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		12.5
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		12.11		12.5
100	PI/2 BPSK	1	137		11.75		
100	PI/2 BPSK	1	271		11.60		
100	PI/2 BPSK	135	0		11.75		12.5
100	PI/2 BPSK	135	69		11.62		12.5
100	PI/2 BPSK	135	138		11.70		12.5
100	PI/2 BPSK	270	0		11.69		
100	QPSK	1	1		11.63		12.5
100	QPSK	1	137		11.57		
100	QPSK	1	271		11.65		
100	QPSK	135	0		11.54		12.5
100	QPSK	135	69		11.46		
100	QPSK	135	138		11.61		
100	QPSK	270	0		11.55		12.5
100	16QAM	1	1		11.91		12.5
100	64QAM	1	1		11.53		12.5
100	256QAM	1	1		11.70		12.5
Channel				633000	633332	633666	12.5
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	11.68	11.56	11.71	12.5
Channel				632668	633332	634000	12.5
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	11.74	11.57	11.68	12.5
Channel				632334	633332	634332	12.5
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	11.71	11.56	11.62	12.5
Channel				632000	633332	634666	12.5
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	11.64	11.64	11.65	12.5
Channel				631668	633332	635000	12.5
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	11.68	11.75	11.69	12.5
Channel				631334	633332	635332	12.5
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	11.72	11.62	11.70	12.5
Channel				631000	633332	635666	12.5
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	11.69	11.63	11.63	12.5
Channel				630668	633332	636000	12.5
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	11.73	11.73	11.58	12.5
Channel				630500	633332	636166	12.5
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	11.75	11.66	11.55	12.5
Channel				630334	633332	636332	12.5
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	11.60	11.74	11.67	12.5



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		11.5
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		11.27		11.5
100	PI/2 BPSK	1	137		10.93		
100	PI/2 BPSK	1	271		10.80		11.5
100	PI/2 BPSK	135	0		10.93		
100	PI/2 BPSK	135	69		10.81		11.5
100	PI/2 BPSK	135	138		10.89		
100	PI/2 BPSK	270	0		10.88		11.5
100	QPSK	1	1		10.82		
100	QPSK	1	137		10.77		11.5
100	QPSK	1	271		10.84		
100	QPSK	135	0		10.74		11.5
100	QPSK	135	69		10.67		
100	QPSK	135	138		10.80		11.5
100	QPSK	270	0		10.75		
100	16QAM	1	1		11.08		11.5
100	64QAM	1	1		10.73		
100	256QAM	1	1		10.89		11.5
Channel				633000	633332	633666	11.5
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	10.67	10.74	10.64	11.5
Channel				632668	633332	634000	11.5
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	10.65	10.61	10.80	11.5
Channel				632334	633332	634332	11.5
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	10.65	10.61	10.80	11.5
Channel				632000	633332	634666	11.5
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	10.75	10.72	10.75	11.5
Channel				631668	633332	635000	11.5
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	10.61	10.76	10.78	11.5
Channel				631334	633332	635332	11.5
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	10.71	10.72	10.75	11.5
Channel				631000	633332	635666	11.5
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	10.60	10.74	10.72	11.5
Channel				630668	633332	636000	11.5
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	10.66	10.74	10.68	11.5
Channel				630500	633332	636166	11.5
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	10.62	10.75	10.78	11.5
Channel				630334	633332	636332	11.5
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	10.67	10.70	10.62	11.5



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		17.5
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		17.37		
100	PI/2 BPSK	1	137		17.24		
100	PI/2 BPSK	1	271		16.91		
100	PI/2 BPSK	135	0		17.31		
100	PI/2 BPSK	135	69		17.20		
100	PI/2 BPSK	135	138		17.04		
100	PI/2 BPSK	270	0		17.18		
100	QPSK	1	1		17.30		
100	QPSK	1	137		17.22		
100	QPSK	1	271		16.93		
100	QPSK	135	0		17.28		
100	QPSK	135	69		17.18		
100	QPSK	135	138		17.05		
100	QPSK	270	0		17.09		
100	16QAM	1	1		17.10		
100	64QAM	1	1		17.23		
100	256QAM	1	1		17.33		
Channel				633000	633332	633666	17.5
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	17.18	17.14	17.08	
Channel				632668	633332	634000	17.5
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	17.09	17.23	17.18	
Channel				632334	633332	634332	17.5
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	17.14	17.05	17.13	
Channel				632000	633332	634666	17.5
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	17.15	17.04	17.05	
Channel				631668	633332	635000	17.5
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	17.05	17.12	17.10	
Channel				631334	633332	635332	17.5
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	17.10	17.18	17.20	
Channel				631000	633332	635666	17.5
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	17.12	17.21	17.15	
Channel				630668	633332	636000	17.5
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	17.22	17.12	17.18	
Channel				630500	633332	636166	17.5
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	17.09	17.13	17.13	
Channel				630334	633332	636332	17.5
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	17.24	17.15	17.16	



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ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		16.5
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		16.35		16.5
100	PI/2 BPSK	1	137		16.12		
100	PI/2 BPSK	1	271		15.86		16.5
100	PI/2 BPSK	135	0		16.22		
100	PI/2 BPSK	135	69		16.12		16.5
100	PI/2 BPSK	135	138		15.97		
100	PI/2 BPSK	270	0		16.10		16.5
100	QPSK	1	1		16.20		
100	QPSK	1	137		16.22		16.5
100	QPSK	1	271		15.83		
100	QPSK	135	0		16.20		16.5
100	QPSK	135	69		16.10		
100	QPSK	135	138		15.96		16.5
100	QPSK	270	0		16.03		
100	16QAM	1	1		16.17		16.5
100	64QAM	1	1		16.24		16.5
100	256QAM	1	1		16.03		16.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	15.97	16.06	16.12	16.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	16.03	15.94	15.96	16.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	15.94	16.04	16.06	16.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	16.12	16.07	16.10	16.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	15.96	16.03	16.00	16.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	16.00	15.94	15.99	16.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	16.12	15.94	15.99	16.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	16.05	15.98	16.05	16.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	16.10	16.07	16.00	16.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	16.00	16.08	16.04	16.5



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ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		10.5
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		10.20		10.5
100	PI/2 BPSK	1	137		9.84		
100	PI/2 BPSK	1	271		9.71		10.5
100	PI/2 BPSK	135	0		9.99		
100	PI/2 BPSK	135	69		9.74		10.5
100	PI/2 BPSK	135	138		9.61		
100	PI/2 BPSK	270	0		9.99		10.5
100	QPSK	1	1		9.74		
100	QPSK	1	137		9.58		10.5
100	QPSK	1	271		9.77		
100	QPSK	135	0		9.92		10.5
100	QPSK	135	69		9.69		
100	QPSK	135	138		9.61		10.5
100	QPSK	270	0		9.88		
100	16QAM	1	1		9.69		10.5
100	64QAM	1	1		9.90		10.5
100	256QAM	1	1		9.87		10.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	9.87	10.12	10.09	10.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	9.86	10.11	9.98	10.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	10.01	10.09	10.05	10.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	10.04	10.07	10.03	10.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	9.94	10.03	10.06	10.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	9.93	10.11	10.10	10.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	9.99	10.02	9.97	10.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	10.04	10.01	10.01	10.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	10.01	10.00	9.98	10.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	9.89	10.15	10.05	10.5



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		9.5
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		9.50		9.5
100	PI/2 BPSK	1	137		9.46		
100	PI/2 BPSK	1	271		9.11		9.5
100	PI/2 BPSK	135	0		9.40		
100	PI/2 BPSK	135	69		9.32		9.5
100	PI/2 BPSK	135	138		9.38		
100	PI/2 BPSK	270	0		9.49		9.5
100	QPSK	1	1		9.34		
100	QPSK	1	137		9.19		9.5
100	QPSK	1	271		9.10		
100	QPSK	135	0		9.41		9.5
100	QPSK	135	69		9.27		
100	QPSK	135	138		9.25		9.5
100	QPSK	270	0		9.43		
100	16QAM	1	1		9.38		9.5
100	64QAM	1	1		9.39		
100	256QAM	1	1		9.46		9.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	9.34	9.45	9.32	9.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	9.30	9.35	9.27	9.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	9.46	9.32	9.46	9.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	9.41	9.37	9.43	9.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	9.33	9.32	9.43	9.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	9.33	9.36	9.33	9.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	9.42	9.41	9.31	9.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	9.39	9.27	9.43	9.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	9.41	9.36	9.32	9.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	9.36	9.45	9.46	9.5





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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		9.43		9.5
100	PI/2 BPSK	1	137		9.30		
100	PI/2 BPSK	1	271		8.87		
100	PI/2 BPSK	135	0		9.31		9.5
100	PI/2 BPSK	135	69		9.25		9.5
100	PI/2 BPSK	135	138		8.96		9.5
100	PI/2 BPSK	270	0		9.03		
100	QPSK	1	1		9.30		9.5
100	QPSK	1	137		9.26		
100	QPSK	1	271		8.89		
100	QPSK	135	0		9.35		9.5
100	QPSK	135	69		9.24		
100	QPSK	135	138		8.95		
100	QPSK	270	0		8.99		9.5
100	16QAM	1	1		9.28		9.5
100	64QAM	1	1		9.37		9.5
100	256QAM	1	1		9.35		9.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	9.19	9.24	9.30	9.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	9.24	9.30	9.18	9.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	9.20	9.19	9.27	9.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	9.15	9.23	9.19	9.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	9.12	9.17	9.23	9.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	9.22	9.14	9.18	9.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	9.20	9.20	9.13	9.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	9.30	9.16	9.12	9.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	9.10	9.16	9.28	9.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	9.25	9.17	9.16	9.5



<FR1 n78\_PC1.5\_Ant 2\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		8.49		8.5
100	PI/2 BPSK	1	137		8.43		
100	PI/2 BPSK	1	271		8.35		
100	PI/2 BPSK	135	0		8.46		8.5
100	PI/2 BPSK	135	69		8.38		8.5
100	PI/2 BPSK	135	138		8.44		8.5
100	PI/2 BPSK	270	0		8.42		
100	QPSK	1	1		8.37		8.5
100	QPSK	1	137		8.42		
100	QPSK	1	271		8.41		
100	QPSK	135	0		8.42		8.5
100	QPSK	135	69		8.31		
100	QPSK	135	138		8.37		
100	QPSK	270	0		8.32		8.5
100	16QAM	1	1		8.38		8.5
100	64QAM	1	1		8.41		8.5
100	256QAM	1	1		8.12		8.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	8.23	8.19	8.35	8.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	8.22	8.34	8.18	8.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	8.35	8.22	8.25	8.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	8.18	8.20	8.18	8.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	8.22	8.27	8.32	8.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	8.24	8.17	8.19	8.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	8.32	8.27	8.34	8.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	8.19	8.29	8.17	8.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	8.20	8.22	8.33	8.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	8.35	8.19	8.33	8.5



<FR1 n78\_HPUE\_Ant 1\_Sensor OFF(SRS)\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		Tune-up limit (dBm)
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		9.46		9.5
100	PI/2 BPSK	1	137		9.36		
100	PI/2 BPSK	1	271		9.31		
100	PI/2 BPSK	135	0		9.06		9.5
100	PI/2 BPSK	135	69		9.20		9.5
100	PI/2 BPSK	135	138		9.24		9.5
100	PI/2 BPSK	270	0		9.21		
100	QPSK	1	1		9.33		9.5
100	QPSK	1	137		9.33		
100	QPSK	1	271		9.32		
100	QPSK	135	0		9.03		9.5
100	QPSK	135	69		9.20		
100	QPSK	135	138		9.23		
100	QPSK	270	0		9.21		9.5
100	16QAM	1	1		9.39		9.5
100	64QAM	1	1		9.40		9.5
100	256QAM	1	1		9.28		9.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	9.12	9.41	9.07	9.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	9.07	9.41	9.05	9.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	9.03	9.29	9.11	9.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	9.03	9.33	8.98	9.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	9.04	9.27	9.13	9.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	9.05	9.25	9.04	9.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	8.96	9.38	9.01	9.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	9.03	9.24	9.07	9.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	9.12	9.34	9.00	9.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	9.00	9.36	9.07	9.5



<FR1 n78\_PC1.5\_Ant 1\_Sensor OFF(SRS)\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		Tune-up limit (dBm)
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		7.90		8.5
100	PI/2 BPSK	1	137		7.81		
100	PI/2 BPSK	1	271		7.77		
100	PI/2 BPSK	135	0		7.74		8.5
100	PI/2 BPSK	135	69		7.54		8.5
100	PI/2 BPSK	135	138		7.55		8.5
100	PI/2 BPSK	270	0		7.79		
100	QPSK	1	1		7.61		8.5
100	QPSK	1	137		7.58		
100	QPSK	1	271		7.61		
100	QPSK	135	0		7.63		8.5
100	QPSK	135	69		7.66		
100	QPSK	135	138		7.63		
100	QPSK	270	0		7.69		8.5
100	16QAM	1	1		7.64		8.5
100	64QAM	1	1		7.69		8.5
100	256QAM	1	1		7.56		8.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	7.75	7.75	7.71	8.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	7.62	7.75	7.73	8.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	7.63	7.76	7.78	8.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	7.67	7.74	7.62	8.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	7.64	7.62	7.63	8.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	7.73	7.76	7.76	8.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	7.79	7.81	7.67	8.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	7.81	7.68	7.73	8.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	7.79	7.67	7.80	8.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	7.65	7.79	7.71	8.5



<FR1 n78\_HPUE\_Ant 3\_Sensor OFF(SRS)\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		10.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		9.89		10.0
100	PI/2 BPSK	1	137		9.86		
100	PI/2 BPSK	1	271		9.81		
100	PI/2 BPSK	135	0		9.76		10.0
100	PI/2 BPSK	135	69		9.70		10.0
100	PI/2 BPSK	135	138		9.69		10.0
100	PI/2 BPSK	270	0		9.70		
100	QPSK	1	1		9.79		10.0
100	QPSK	1	137		9.69		
100	QPSK	1	271		9.58		
100	QPSK	135	0		9.68		10.0
100	QPSK	135	69		9.71		
100	QPSK	135	138		9.55		
100	QPSK	270	0		9.63		10.0
100	16QAM	1	1		9.73		10.0
100	64QAM	1	1		9.78		10.0
100	256QAM	1	1		9.73		10.0
Channel				633000	633332	633666	10.0
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	9.71	9.74	9.58	10.0
Channel				632668	633332	634000	10.0
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	9.76	9.85	9.62	10.0
Channel				632334	633332	634332	10.0
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	9.62	9.82	9.68	10.0
Channel				632000	633332	634666	10.0
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	9.66	9.69	9.58	10.0
Channel				631668	633332	635000	10.0
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	9.62	9.73	9.61	10.0
Channel				631334	633332	635332	10.0
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	9.67	9.77	9.74	10.0
Channel				631000	633332	635666	10.0
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	9.72	9.69	9.59	10.0
Channel				630668	633332	636000	10.0
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	9.65	9.78	9.72	10.0
Channel				630500	633332	636166	10.0
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	9.72	9.79	9.73	10.0
Channel				630334	633332	636332	10.0
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	9.76	9.88	9.62	10.0



<FR1 n78\_PC1.5\_Ant 3\_Sensor OFF(SRS)\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		9.0
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		8.75		9.0
100	PI/2 BPSK	1	137		8.36		
100	PI/2 BPSK	1	271		8.34		
100	PI/2 BPSK	135	0		8.64		9.0
100	PI/2 BPSK	135	69		8.52		9.0
100	PI/2 BPSK	135	138		8.50		9.0
100	PI/2 BPSK	270	0		8.43		
100	QPSK	1	1		8.54		9.0
100	QPSK	1	137		8.47		
100	QPSK	1	271		8.44		
100	QPSK	135	0		8.51		9.0
100	QPSK	135	69		8.25		
100	QPSK	135	138		8.27		
100	QPSK	270	0		8.51		9.0
100	16QAM	1	1		8.34		9.0
100	64QAM	1	1		8.43		9.0
100	256QAM	1	1		8.46		9.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	8.28	8.24	8.33	9.0
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	8.25	8.33	8.24	9.0
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	8.27	8.17	8.34	9.0
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	8.28	8.32	8.31	9.0
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	8.34	8.36	8.24	9.0
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	8.36	8.28	8.35	9.0
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	8.34	8.28	8.34	9.0
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	8.21	8.32	8.23	9.0
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	8.20	8.24	8.34	9.0
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	8.26	8.33	8.17	9.0



<FR1 n77/n78\_Ant 0\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				640000	641666	643332	22.0
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	21.77	21.90	21.80	22.0
100	PI/2 BPSK	1	137	21.74	21.87	21.75	
100	PI/2 BPSK	1	271	21.72	21.85	21.72	
100	PI/2 BPSK	135	0	21.70	21.83	21.77	22.0
100	PI/2 BPSK	135	69	21.56	21.69	21.60	22.0
100	PI/2 BPSK	135	138	21.48	21.61	21.61	22.0
100	PI/2 BPSK	270	0	21.84	21.90	21.89	
100	QPSK	1	1	21.50	21.63	21.70	22.0
100	QPSK	1	137	21.41	21.54	21.59	
100	QPSK	1	271	21.44	21.57	21.52	
100	QPSK	135	0	21.52	21.65	21.66	22.0
100	QPSK	135	69	21.67	21.80	21.78	
100	QPSK	135	138	21.45	21.58	21.53	
100	QPSK	270	0	21.70	21.83	21.73	22.0
100	16QAM	1	1	21.65	21.78	21.77	22.0
100	64QAM	1	1	21.76	21.89	21.84	22.0
100	256QAM	1	1	21.52	21.65	21.72	22.0
Channel				639668	641666	643666	22.0
Frequency (MHz)				3595.02	3624.99	3654.99	
90	PI/2 BPSK	1	1	21.57	21.70	21.71	22.0
Channel				639334	641666	644000	22.0
Frequency (MHz)				3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	21.57	21.83	21.70	22.0
Channel				639000	641666	644332	22.0
Frequency (MHz)				3585	3624.99	3664.98	
70	PI/2 BPSK	1	1	21.66	21.89	21.74	22.0
Channel				638668	641666	644666	22.0
Frequency (MHz)				3580.02	3624.99	3669.99	
60	PI/2 BPSK	1	1	21.77	21.76	21.62	22.0
Channel				638334	641666	645000	22.0
Frequency (MHz)				3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	21.66	21.86	21.64	22.0
Channel				638000	641666	645332	22.0
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	21.62	21.84	21.78	22.0
Channel				637668	641666	645666	22.0
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	21.64	21.71	21.77	22.0
Channel				637334	641666	646000	22.0
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	21.72	21.77	21.80	22.0
Channel				637168	641666	646166	22.0
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	21.62	21.73	21.77	22.0
Channel				637000	641666	646332	22.0
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	21.74	21.80	21.63	22.0



<FR1 n77/n78\_Ant 2\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				640000	641666	643332	22.0
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	21.48	21.93	21.49	22.0
100	PI/2 BPSK	1	137	21.12	21.56	21.13	
100	PI/2 BPSK	1	271	21.29	21.74	21.30	
100	PI/2 BPSK	135	0	21.30	21.75	21.31	22.0
100	PI/2 BPSK	135	69	21.42	21.87	21.43	22.0
100	PI/2 BPSK	135	138	21.35	21.80	21.36	22.0
100	PI/2 BPSK	270	0	21.41	21.86	21.42	
100	QPSK	1	1	21.08	21.52	21.09	22.0
100	QPSK	1	137	21.32	21.77	21.33	
100	QPSK	1	271	21.21	21.65	21.22	
100	QPSK	135	0	21.29	21.74	21.30	22.0
100	QPSK	135	69	21.40	21.85	21.41	
100	QPSK	135	138	21.34	21.79	21.35	
100	QPSK	270	0	21.38	21.83	21.39	22.0
100	16QAM	1	1	20.85	21.29	20.86	22.0
100	64QAM	1	1	21.03	21.47	21.04	22.0
100	256QAM	1	1	20.94	21.38	20.95	22.0
Channel				639668	641666	643666	22.0
Frequency (MHz)				3595.02	3624.99	3654.99	
90	PI/2 BPSK	1	1	21.32	21.92	21.36	22.0
Channel				639334	641666	644000	22.0
Frequency (MHz)				3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	21.46	21.73	21.33	22.0
Channel				639000	641666	644332	22.0
Frequency (MHz)				3585	3624.99	3664.98	
70	PI/2 BPSK	1	1	21.46	21.89	21.47	22.0
Channel				638668	641666	644666	22.0
Frequency (MHz)				3580.02	3624.99	3669.99	
60	PI/2 BPSK	1	1	21.30	21.78	21.40	22.0
Channel				638334	641666	645000	22.0
Frequency (MHz)				3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	21.43	21.82	21.39	22.0
Channel				638000	641666	645332	22.0
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	21.28	21.76	21.39	22.0
Channel				637668	641666	645666	22.0
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	21.29	21.86	21.30	22.0
Channel				637334	641666	646000	22.0
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	21.37	21.90	21.43	22.0
Channel				637168	641666	646166	22.0
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	21.37	21.79	21.39	22.0
Channel				637000	641666	646332	22.0
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	21.43	21.75	21.42	22.0





<FR1 n77/n78\_Ant 0\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				640000	641666	643332	13.5
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	13.15	13.29	13.19	13.5
100	PI/2 BPSK	1	137	13.04	13.06	12.91	
100	PI/2 BPSK	1	271	12.78	12.82	12.93	
100	PI/2 BPSK	135	0	12.99	13.05	13.00	13.5
100	PI/2 BPSK	135	69	12.85	12.87	12.78	13.5
100	PI/2 BPSK	135	138	12.84	13.00	12.94	13.5
100	PI/2 BPSK	270	0	12.95	13.04	13.02	
100	QPSK	1	1	13.01	13.04	13.10	13.5
100	QPSK	1	137	12.78	12.91	12.82	
100	QPSK	1	271	13.03	13.13	13.04	
100	QPSK	135	0	12.85	12.74	12.75	13.5
100	QPSK	135	69	12.62	12.61	12.66	
100	QPSK	135	138	12.77	12.83	12.86	
100	QPSK	270	0	13.07	13.07	13.08	13.5
100	16QAM	1	1	12.94	12.85	12.84	13.5
100	64QAM	1	1	13.08	12.91	12.95	13.5
100	256QAM	1	1	12.98	13.00	12.96	13.5
Channel				639668	641666	643666	13.5
Frequency (MHz)				3595.02	3624.99	3654.99	
90	PI/2 BPSK	1	1	13.02	13.18	13.14	13.5
Channel				639334	641666	644000	13.5
Frequency (MHz)				3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	13.01	13.19	13.07	13.5
Channel				639000	641666	644332	13.5
Frequency (MHz)				3585	3624.99	3664.98	
70	PI/2 BPSK	1	1	13.11	13.17	12.99	13.5
Channel				638668	641666	644666	13.5
Frequency (MHz)				3580.02	3624.99	3669.99	
60	PI/2 BPSK	1	1	13.10	13.12	13.11	13.5
Channel				638334	641666	645000	13.5
Frequency (MHz)				3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	12.95	13.26	13.04	13.5
Channel				638000	641666	645332	13.5
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	13.07	13.09	13.17	13.5
Channel				637668	641666	645666	13.5
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	13.07	13.27	13.15	13.5
Channel				637334	641666	646000	13.5
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	13.13	13.14	13.12	13.5
Channel				637168	641666	646166	13.5
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	13.01	13.09	12.99	13.5
Channel				637000	641666	646332	13.5
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	13.09	13.19	13.09	13.5



<FR1 n77/n78\_Ant 2\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				640000	641666	643332	Tune-up limit (dBm)
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	17.32	17.46	17.37	17.5
100	PI/2 BPSK	1	137	17.19	17.33	17.24	
100	PI/2 BPSK	1	271	16.86	17.00	16.91	
100	PI/2 BPSK	135	0	17.26	17.40	17.31	17.5
100	PI/2 BPSK	135	69	17.15	17.29	17.20	17.5
100	PI/2 BPSK	135	138	16.99	17.13	17.04	17.5
100	PI/2 BPSK	270	0	17.13	17.27	17.18	
100	QPSK	1	1	17.25	17.39	17.30	17.5
100	QPSK	1	137	17.17	17.31	17.22	
100	QPSK	1	271	16.88	17.02	16.93	
100	QPSK	135	0	17.23	17.37	17.28	17.5
100	QPSK	135	69	17.13	17.27	17.18	
100	QPSK	135	138	17.00	17.14	17.05	
100	QPSK	270	0	17.04	17.18	17.09	17.5
100	16QAM	1	1	17.05	17.19	17.10	17.5
100	64QAM	1	1	17.18	17.32	17.23	17.5
100	256QAM	1	1	17.28	17.42	17.33	17.5
Channel				639668	641666	643666	Tune-up limit (dBm)
Frequency (MHz)				3595.02	3624.99	3654.99	
90	PI/2 BPSK	1	1	17.00	17.14	17.16	17.5
Channel				639334	641666	644000	Tune-up limit (dBm)
Frequency (MHz)				3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	17.00	17.17	17.04	17.5
Channel				639000	641666	644332	Tune-up limit (dBm)
Frequency (MHz)				3585	3624.99	3664.98	
70	PI/2 BPSK	1	1	17.12	17.32	17.06	17.5
Channel				638668	641666	644666	Tune-up limit (dBm)
Frequency (MHz)				3580.02	3624.99	3669.99	
60	PI/2 BPSK	1	1	17.11	17.30	17.13	17.5
Channel				638334	641666	645000	Tune-up limit (dBm)
Frequency (MHz)				3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	17.01	17.21	17.09	17.5
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	16.99	17.27	17.13	17.5
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	17.09	17.13	17.20	17.5
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	17.08	17.13	17.24	17.5
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	17.16	17.19	17.16	17.5
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	17.17	17.15	17.08	17.5



<FR1 n77/n78\_Ant 0\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				640000	641666	643332	11.0
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	10.59	10.74	10.58	11.0
100	PI/2 BPSK	1	137	10.55	10.60	10.42	
100	PI/2 BPSK	1	271	10.19	10.21	10.40	
100	PI/2 BPSK	135	0	10.51	10.52	10.35	11.0
100	PI/2 BPSK	135	69	10.38	10.29	10.16	11.0
100	PI/2 BPSK	135	138	10.46	10.43	10.49	11.0
100	PI/2 BPSK	270	0	10.49	10.53	10.44	
100	QPSK	1	1	10.36	10.39	10.59	11.0
100	QPSK	1	137	10.32	10.37	10.27	
100	QPSK	1	271	10.49	10.52	10.43	
100	QPSK	135	0	10.32	10.26	10.26	11.0
100	QPSK	135	69	9.98	10.16	10.15	
100	QPSK	135	138	10.27	10.30	10.39	
100	QPSK	270	0	10.48	10.56	10.59	11.0
100	16QAM	1	1	10.36	10.29	10.19	11.0
100	64QAM	1	1	10.61	10.39	10.30	11.0
100	256QAM	1	1	10.41	10.53	10.33	11.0
Channel				639668	641666	643666	11.0
Frequency (MHz)				3595.02	3624.99	3654.99	
90	PI/2 BPSK	1	1	10.50	10.72	10.39	11.0
Channel				639334	641666	644000	11.0
Frequency (MHz)				3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	10.43	10.71	10.58	11.0
Channel				639000	641666	644332	11.0
Frequency (MHz)				3585	3624.99	3664.98	
70	PI/2 BPSK	1	1	10.55	10.60	10.54	11.0
Channel				638668	641666	644666	11.0
Frequency (MHz)				3580.02	3624.99	3669.99	
60	PI/2 BPSK	1	1	10.52	10.60	10.55	11.0
Channel				638334	641666	645000	11.0
Frequency (MHz)				3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	10.53	10.59	10.42	11.0
Channel				638000	641666	645332	11.0
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	10.47	10.62	10.54	11.0
Channel				637668	641666	645666	11.0
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	10.44	10.59	10.45	11.0
Channel				637334	641666	646000	11.0
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	10.57	10.73	10.56	11.0
Channel				637168	641666	646166	11.0
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	10.42	10.70	10.42	11.0
Channel				637000	641666	646332	11.0
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	10.51	10.67	10.58	11.0



<FR1 n77/n78\_Ant 2\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				640000	641666	643332	Tune-up limit (dBm)
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	11.41	11.50	11.39	11.5
100	PI/2 BPSK	1	137	11.32	11.45	11.40	
100	PI/2 BPSK	1	271	11.22	11.40	11.30	
100	PI/2 BPSK	135	0	11.36	11.48	11.44	11.5
100	PI/2 BPSK	135	69	11.26	11.44	11.34	11.5
100	PI/2 BPSK	135	138	11.35	11.47	11.43	11.5
100	PI/2 BPSK	270	0	11.31	11.49	11.39	
100	QPSK	1	1	11.25	11.43	11.33	11.5
100	QPSK	1	137	11.31	11.49	11.39	
100	QPSK	1	271	11.30	11.48	11.38	
100	QPSK	135	0	11.31	11.49	11.39	11.5
100	QPSK	135	69	11.17	11.35	11.25	
100	QPSK	135	138	11.25	11.43	11.33	
100	QPSK	270	0	11.18	11.36	11.26	11.5
100	16QAM	1	1	11.26	11.44	11.34	11.5
100	64QAM	1	1	11.30	11.48	11.38	11.5
100	256QAM	1	1	10.91	11.09	10.99	11.5
Channel				639668	641666	643666	Tune-up limit (dBm)
Frequency (MHz)				3595.02	3624.99	3654.99	
90	PI/2 BPSK	1	1	11.17	11.26	11.35	11.5
Channel				639334	641666	644000	Tune-up limit (dBm)
Frequency (MHz)				3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	11.26	11.30	11.34	11.5
Channel				639000	641666	644332	Tune-up limit (dBm)
Frequency (MHz)				3585	3624.99	3664.98	
70	PI/2 BPSK	1	1	11.27	11.28	11.31	11.5
Channel				638668	641666	644666	Tune-up limit (dBm)
Frequency (MHz)				3580.02	3624.99	3669.99	
60	PI/2 BPSK	1	1	11.20	11.34	11.39	11.5
Channel				638334	641666	645000	Tune-up limit (dBm)
Frequency (MHz)				3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	11.21	11.33	11.33	11.5
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	11.16	11.37	11.32	11.5
Channel				637668	641666	645666	Tune-up limit (dBm)
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	11.13	11.42	11.26	11.5
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	11.20	11.27	11.40	11.5
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	11.31	11.44	11.37	11.5
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	11.13	11.38	11.25	11.5



<FR1 n77/n78\_Ant 1\_Sensor OFF(SRS)>\_NB/TB

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				640000	641666	643332	9.0
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	8.77	8.89	8.95	9.0
100	PI/2 BPSK	1	137	8.44	8.62	8.66	
100	PI/2 BPSK	1	271	8.43	8.51	8.48	
100	PI/2 BPSK	135	0	8.60	8.72	8.79	9.0
100	PI/2 BPSK	135	69	8.37	8.52	8.55	9.0
100	PI/2 BPSK	135	138	8.26	8.38	8.40	9.0
100	PI/2 BPSK	270	0	8.47	8.56	8.57	
100	QPSK	1	1	8.79	8.87	8.72	9.0
100	QPSK	1	137	8.58	8.74	8.74	
100	QPSK	1	271	8.27	8.43	8.42	
100	QPSK	135	0	8.52	8.52	8.55	9.0
100	QPSK	135	69	8.40	8.50	8.55	
100	QPSK	135	138	8.20	8.31	8.35	9.0
100	QPSK	270	0	8.50	8.68	8.63	
100	16QAM	1	1	8.46	8.62	8.66	9.0
100	64QAM	1	1	8.44	8.60	8.65	9.0
100	256QAM	1	1	8.72	8.74	8.60	9.0
Channel				639668	641666	643666	9.0
Frequency (MHz)				3595.02	3624.99	3654.99	
90	PI/2 BPSK	1	1	8.62	8.89	8.84	9.0
Channel				639334	641666	644000	9.0
Frequency (MHz)				3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	8.67	8.74	8.93	9.0
Channel				639000	641666	644332	9.0
Frequency (MHz)				3585	3624.99	3664.98	
70	PI/2 BPSK	1	1	8.62	8.74	8.91	9.0
Channel				638668	641666	644666	9.0
Frequency (MHz)				3580.02	3624.99	3669.99	
60	PI/2 BPSK	1	1	8.65	8.69	8.83	9.0
Channel				638334	641666	645000	9.0
Frequency (MHz)				3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	8.73	8.74	8.91	9.0
Channel				638000	641666	645332	9.0
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	8.72	8.72	8.82	9.0
Channel				637668	641666	645666	9.0
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	8.67	8.77	8.89	9.0
Channel				637334	641666	646000	9.0
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	8.72	8.82	8.77	9.0
Channel				637168	641666	646166	9.0
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	8.57	8.72	8.92	9.0
Channel				637000	641666	646332	9.0
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	8.64	8.70	8.79	9.0



<FR1 n77/n78\_Ant 3\_Sensor OFF(SRS)\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				640000	641666	643332	10.0
Frequency (MHz)				3600	3624.99	3649.98	
100	PI/2 BPSK	1	1	9.59	9.59	9.70	10.0
100	PI/2 BPSK	1	137	9.33	9.39	9.43	
100	PI/2 BPSK	1	271	9.33	9.36	9.13	
100	PI/2 BPSK	135	0	9.61	9.61	9.69	10.0
100	PI/2 BPSK	135	69	9.45	9.60	9.56	10.0
100	PI/2 BPSK	135	138	9.53	9.65	9.40	10.0
100	PI/2 BPSK	270	0	9.21	9.55	9.65	
100	QPSK	1	1	9.28	9.45	9.44	10.0
100	QPSK	1	137	9.36	9.27	9.47	
100	QPSK	1	271	9.33	9.31	9.35	
100	QPSK	135	0	9.33	9.25	9.38	10.0
100	QPSK	135	69	9.21	9.25	9.44	
100	QPSK	135	138	9.21	9.24	9.32	
100	QPSK	270	0	9.25	9.38	9.44	10.0
100	16QAM	1	1	9.52	9.42	9.22	10.0
100	64QAM	1	1	9.49	9.33	9.29	10.0
100	256QAM	1	1	9.38	9.27	9.37	10.0
Channel				639668	641666	643666	10.0
Frequency (MHz)				3595.02	3624.99	3654.99	
90	PI/2 BPSK	1	1	9.57	9.56	9.50	10.0
Channel				639334	641666	644000	10.0
Frequency (MHz)				3590.01	3624.99	3660	
80	PI/2 BPSK	1	1	9.48	9.44	9.53	10.0
Channel				639000	641666	644332	10.0
Frequency (MHz)				3585	3624.99	3664.98	
70	PI/2 BPSK	1	1	9.43	9.57	9.47	10.0
Channel				638668	641666	644666	10.0
Frequency (MHz)				3580.02	3624.99	3669.99	
60	PI/2 BPSK	1	1	9.44	9.56	9.57	10.0
Channel				638334	641666	645000	10.0
Frequency (MHz)				3575.01	3624.99	3675	
50	PI/2 BPSK	1	1	9.49	9.47	9.65	10.0
Channel				638000	641666	645332	10.0
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	9.57	9.45	9.61	10.0
Channel				637668	641666	645666	10.0
Frequency (MHz)				3565.02	3624.99	3684.99	
30	PI/2 BPSK	1	1	9.56	9.58	9.58	10.0
Channel				637334	641666	646000	10.0
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	9.55	9.48	9.53	10.0
Channel				637168	641666	646166	10.0
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	9.48	9.49	9.56	10.0
Channel				637000	641666	646332	10.0
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	9.52	9.49	9.54	10.0