

GSM 850

GSM850		Burst Average Output Pwr.			Tune-up Limit (dBm)	Division Factor	Frame Average Output Pwr.		
		Channel No.	Channel No.	Channel No.			Channel	Channel	Channel
		128	190	251			128	190	251
		Fre. (MHz)	Fre. (MHz)	Fre. (MHz)			Fre. (MHz)	Fre. (MHz)	Fre. (MHz)
		824.2	836.6	848.8			824.2	836.6	848.8
GPRS/EGPRS (GMSK)	1 TimeSlot	31.90	33.82	33.82	34.0	-9.03	22.87	24.79	24.79
	2 TimeSlots	31.89	32.12	32.12	32.5	-6.02	25.87	26.10	26.10
	3 TimeSlots	30.65	30.75	30.75	31.0	-4.26	26.39	26.49	26.49
	4 TimeSlots	29.28	29.06	29.06	29.5	-3.01	26.27	26.05	26.05
EGPRS (8PSK)	1 TimeSlot	26.62	26.30	26.30	27.0	-9.03	17.59	17.27	17.27
	2 TimeSlots	25.42	25.12	25.12	25.5	-6.02	19.40	19.10	19.10
	3 TimeSlots	23.85	23.43	23.43	24.0	-4.26	19.59	19.17	19.17
	4 TimeSlots	22.67	22.38	22.38	23.0	-3.01	19.66	19.37	19.37

GSM 1900

GSM1900		Burst Average Output Pwr.			Tune-up Limit (dBm)	Division Factor	Frame Average Output Pwr.		
		Channel No.	Channel No.	Channel No.			Channel No.	Channel No.	Channel No.
		512	661	810			512	661	810
		Fre. (MHz)	Fre. (MHz)	Fre. (MHz)			Fre. (MHz)	Fre. (MHz)	Fre. (MHz)
		1850.2	1880	1909.8			1850.2	1880	1909.8
GPRS/EGPRS (GMSK)	1 TimeSlot	26.73	27.28	28.28	28.5	-9.03	17.70	18.25	19.25
	2 TimeSlots	25.51	26.01	27.46	27.5	-6.02	19.49	19.99	21.44
	3 TimeSlots	23.84	24.19	25.26	25.5	-4.26	19.58	19.93	21.00
	4 TimeSlots	22.9	23.26	24.19	24.5	-3.01	19.89	20.25	21.18
EGPRS (8PSK)	1 TimeSlot	22.35	22.79	23.84	24.0	-9.03	13.32	13.76	14.81
	2 TimeSlots	21.54	21.92	22.86	23.0	-6.02	15.52	15.90	16.84
	3 TimeSlots	20.12	20.4	21.38	21.5	-4.26	15.86	16.14	17.12
	4 TimeSlots	18.74	19.03	19.99	20.0	-3.01	15.73	16.02	16.98

WCDMA B2

Band II		Channel No.	Channel No.	Channel No.	Tune-up Limit (dBm)
		9262	9400	9538	
		Fre. (MHz)	Fre. (MHz)	Fre. (MHz)	
		1852.4	1880	1907.6	
WCDMA	12.2kbps RMC	20.67	20.99	20.99	21.0
HSDPA	Subtest 1	19.78	20.17	20.07	20.5
	Subtest 2	19.85	20.22	20.11	20.5
	Subtest 3	19.92	20.18	20.21	20.5
	Subtest 4	19.90	20.22	20.20	20.5
HSUPA	Subtest 1	19.76	19.61	18.19	20.0
	Subtest 2	18.25	17.70	18.54	19.0
	Subtest 3	18.70	18.18	18.71	19.0
	Subtest 4	15.02	16.17	15.71	16.5
	Subtest 5	19.52	20.31	19.57	20.5

WCDMA B4

Band IV		Channel No.	Channel No.	Channel No.	Tune-up Limit (dBm)
		1312	1413	1513	
		Fre. (MHz)	Fre. (MHz)	Fre. (MHz)	
		1712.4	1732.6	1752.6	
WCDMA	12.2kbps RMC	20.15	21.58	21.77	22.0
HSDPA	Subtest 1	19.18	20.55	20.83	21.0
	Subtest 2	19.13	20.61	20.82	21.0
	Subtest 3	19.18	20.63	20.86	21.0
	Subtest 4	20.32	20.64	20.72	21.0
HSUPA	Subtest 1	19.46	19.97	20.10	20.5
	Subtest 2	18.14	19.41	18.84	19.5
	Subtest 3	17.70	19.49	19.51	20.0
	Subtest 4	18.49	19.55	19.94	20.0
	Subtest 5	19.74	20.63	20.94	21.0

WCDMA B5

Band V		Channel No.	Channel No.	Channel No.	Tune-up Limit (dBm)
		4132	4183	4233	
		Fre. (MHz)	Fre. (MHz)	Fre. (MHz)	
		826.4	836.4	846.6	
WCDMA	12.2kbps RMC	23.61	23.43	23.20	24.0
HSDPA	Subtest 1	22.45	22.42	22.37	22.5
	Subtest 2	22.48	22.42	22.37	22.5
	Subtest 3	22.48	22.46	22.39	22.5
	Subtest 4	22.53	22.48	22.42	23.0
HSUPA	Subtest 1	22.36	22.46	22.00	22.5
	Subtest 2	21.47	21.05	21.01	21.5
	Subtest 3	21.76	21.54	21.37	22.0
	Subtest 4	22.10	21.55	21.42	22.5
	Subtest 5	22.66	22.63	22.53	23.0

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Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.	Tune-up Limit (dBm)
				18607	18900	19193	
				Freq. (MHz)	Freq. (MHz)	Freq. (MHz)	
				1850.70	1880.00	1909.30	
1.4	QPSK	1	0	20.91	20.89	21.08	22.0
		1	2	21.25	21.32	21.72	
		1	5	21.05	21.25	21.56	
		3	0	21.06	20.92	21.23	22.0
		3	1	21.37	21.16	21.46	
		3	3	20.89	21.12	21.47	
		6	0	20.30	20.00	20.22	21.0
	16QAM	1	0	20.13	20.36	20.42	21.0
		1	2	20.16	20.37	20.41	
		1	5	20.35	20.28	20.54	
		3	0	20.64	19.93	20.15	21.0
		3	1	20.28	20.44	20.86	
		3	3	20.48	19.83	20.54	
		6	0	19.28	19.41	19.58	20.0
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.	Tune-up Limit (dBm)
				18615	18900	19185	
				Freq. (MHz)	Freq. (MHz)	Freq. (MHz)	
				1851.50	1880.00	1908.50	
3	QPSK	1	0	20.84	20.86	21.10	22.0
		1	8	21.08	21.15	21.63	
		1	14	20.93	21.40	21.64	
		8	0	20.16	20.21	20.29	21.0
		8	4	20.10	20.18	20.31	
		8	7	20.11	20.42	20.64	
		15	0	20.12	20.11	20.34	21.0
	16QAM	1	0	20.39	20.08	20.13	21.0
		1	8	20.11	20.28	20.80	
		1	14	20.52	19.86	20.45	
		8	0	19.12	19.31	19.47	20.0
		8	4	19.07	19.52	19.60	
		8	7	19.32	19.37	19.51	
		15	0	19.34	19.20	19.28	20.0
	Modulation		RB offset	Channel No.	Channel No.	Channel No.	

Bandwidth (MHz)		RB size		18625	18900	19175	Tune-up Limit (dBm)
				Freq. (MHz)	Freq. (MHz)	Freq. (MHz)	
				1852.50	1880.00	1907.50	
5	QPSK	1	0	20.89	20.83	21.21	22.0
		1	12	21.14	21.26	21.68	
		1	24	21.10	21.34	21.60	
		12	0	20.26	20.22	20.09	21.0
		12	6	20.21	20.32	20.43	
		12	13	20.15	20.40	20.64	
		25	0	20.32	20.26	20.38	21.0
	16QAM	1	0	20.61	20.14	20.07	21.0
		1	12	20.37	20.27	20.66	
		1	24	20.41	20.00	20.71	
		12	0	19.37	19.30	19.49	20.0
		12	6	19.08	19.32	19.54	
		12	13	19.16	19.27	19.50	
		25	0	19.15	19.32	19.25	20.0
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.	Tune-up Limit (dBm)
				18650	18900	19150	
				Freq. (MHz)	Freq. (MHz)	Freq. (MHz)	
				1855.00	1880.00	1905.00	
10	QPSK	1	0	21.12	20.75	21.29	22.0
		1	24	21.10	21.21	21.52	
		1	49	20.93	21.24	21.60	
		25	0	20.18	20.04	20.39	21.0
		25	12	20.10	20.35	20.43	
		25	25	20.09	20.23	20.54	
		50	0	20.10	20.25	20.25	21.0
	16QAM	1	0	20.62	19.94	20.27	21.0
		1	24	20.19	20.30	20.63	
		1	49	20.45	19.96	20.43	
		25	0	19.14	19.21	19.54	20.0
		25	12	19.23	19.36	19.68	
		25	25	19.32	19.27	19.61	
		50	0	19.17	19.42	19.51	20.0
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.	Tune-up Limit (dBm)
				18675	18900	19125	
				Freq. (MHz)	Freq. (MHz)	Freq. (MHz)	
				1857.50	1880.00	1902.50	
15	QPSK	1	0	20.87	20.83	21.13	22.0

		1	38	21.27	21.33	21.50	
		1	74	20.86	21.33	21.52	
		36	0	20.36	20.06	20.19	21.0
		36	18	20.31	20.39	20.50	
		36	37	20.23	20.28	20.43	
		75	0	20.12	20.09	20.49	21.0
	16QAM	1	0	20.37	19.96	20.08	21.0
		1	38	20.21	20.37	20.57	
		1	74	20.33	19.94	20.70	
		36	0	19.29	19.25	19.40	20.0
		36	18	19.29	19.56	19.51	
		36	37	19.25	19.36	19.61	
		75	0	19.19	19.33	19.35	20.0
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.	Tune-up Limit (dBm)
				18700	18900	19100	
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)	
				1860	1880	1900	
20	QPSK	1	0	20.99	20.83	21.21	22.0
		1	49	21.22	21.29	21.57	
		1	99	20.97	21.27	21.53	
		50	0	20.27	20.15	20.24	21.0
		50	25	20.21	20.24	20.36	
		50	50	20.17	20.32	20.54	
		100	0	20.21	20.15	20.39	21.0
	16QAM	1	0	20.49	20.07	20.12	21.0
		1	49	20.25	20.34	20.71	
		1	99	20.45	19.95	20.57	
		50	0	19.25	19.31	19.42	20.0
		50	25	19.17	19.44	19.56	
		50	50	19.27	19.36	19.65	
		100	0	19.3	19.34	19.4	20.0

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Bandwidth	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.	Tune-up Limit (dBm)
				19957	20175	20393	
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)	
				1710.70	1732.50	1754.30	
1.4	QPSK	1	0	21.57	21.98	22.23	23.0
		1	2	22.50	22.39	22.30	
		1	5	22.53	21.87	22.31	
		3	0	21.54	22.03	22.28	23.0
		3	1	22.35	22.46	22.29	
		3	3	22.67	21.90	22.20	
		6	0	21.22	21.46	21.18	22.0
	16QAM	1	0	21.26	21.58	21.07	22.0
		1	2	21.60	21.42	21.04	
		1	5	21.15	21.26	21.02	
		3	0	20.56	21.39	21.68	22.0
		3	1	21.74	21.60	21.13	
		3	3	22.00	21.08	21.81	
		6	0	20.28	20.51	20.33	21.0
Bandwidth	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.	Tune-up Limit (dBm)
				19965	20175	20385	
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)	
				1711.50	1732.50	1753.50	
3	QPSK	1	0	21.78	22.01	22.43	23.0
		1	8	22.47	22.42	22.19	
		1	14	22.73	21.88	22.08	
		8	0	21.25	21.52	21.22	22.0
		8	4	21.22	21.40	20.90	
		8	7	21.45	21.20	20.89	
		15	0	21.27	21.45	21.03	22.0
	16QAM	1	0	20.47	21.17	21.77	22.0
		1	8	21.69	21.86	20.94	
		1	14	21.86	21.17	21.76	
		8	0	20.08	20.46	20.08	21.0
		8	4	20.34	20.45	20.06	
		8	7	20.50	20.46	20.12	
		15	0	20.48	20.51	20.14	21.0
	Modulation		RB offset	Channel No.	Channel No.	Channel No.	

Bandwidth (MHz)		RB size		19975	20175	20375	Tune-up Limit (dBm)
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)	
				1712.50	1732.50	1752.50	
5	QPSK	1	0	21.51	22.12	22.35	23.0
		1	12	22.26	22.39	22.09	
		1	24	22.67	21.82	22.10	
		12	0	21.08	21.24	21.32	22.0
		12	6	21.12	21.31	21.02	
		12	13	21.53	21.13	21.07	
		25	0	21.36	21.42	21.08	22.0
	16QAM	1	0	20.43	21.23	21.93	22.0
		1	12	21.68	21.80	21.19	
		1	24	21.95	21.24	21.83	
		12	0	20.32	20.36	20.19	21.0
		12	6	20.52	20.30	20.16	
		12	13	20.56	20.46	20.11	
		25	0	20.44	20.31	20.31	21.0
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.	Tune-up Limit (dBm)
				20000	20175	20350	
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)	
				1715.00	1732.50	1750.00	
10	QPSK	1	0	21.70	22.24	22.37	23.0
		1	24	22.52	22.63	22.32	
		1	49	22.75	21.71	22.17	
		25	0	21.13	21.35	21.15	22.0
		25	12	21.27	21.36	20.92	
		25	25	21.63	21.34	21.04	
		50	0	21.31	21.35	20.89	22.0
	16QAM	1	0	20.64	21.22	21.84	22.0
		1	24	21.60	21.81	21.00	
		1	49	21.96	21.09	21.91	
		25	0	20.21	20.21	20.09	21.0
		25	12	20.29	20.29	20.34	
		25	25	20.40	20.35	19.93	
		50	0	20.23	20.41	20.32	21.0
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.	Tune-up Limit (dBm)
				20025	20175	20325	
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)	
				1717.50	1732.50	1747.50	
15	QPSK	1	0	21.70	22.15	22.36	23.0

		1	38	22.44	22.51	22.33	
		1	74	22.61	21.73	22.31	
		36	0	21.14	21.46	21.09	22.0
		36	18	21.29	21.34	21.13	
		36	37	21.67	21.27	20.87	
		75	0	21.23	21.26	21.04	22.0
	16QAM	1	0	20.46	21.32	21.93	22.0
		1	38	21.79	21.75	20.93	
		1	74	21.90	21.22	21.73	
		36	0	20.24	20.44	20.20	21.0
		36	18	20.41	20.43	20.16	
		36	37	20.40	20.32	20.07	
		75	0	20.22	20.31	20.13	21.0
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.	Tune-up Limit (dBm)
				20050	20175	20300	
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)	
				1720.00	1732.50	1745.00	
20	QPSK	1	0	21.64	22.10	22.38	23.0
		1	49	22.39	22.51	22.19	
		1	99	22.61	21.86	22.23	
		50	0	21.17	21.37	21.23	22.0
		50	25	21.23	21.45	21.02	
		50	50	21.52	21.27	21.02	
		100	0	21.23	21.39	21.04	22.0
	16QAM	1	0	20.57	21.27	21.92	22.0
		1	49	21.73	21.74	21.05	
		1	99	21.98	21.22	21.84	
		50	0	20.19	20.34	20.11	21.0
		50	25	20.37	20.34	20.20	
		50	50	20.51	20.37	20.07	
		100	0	20.33	20.46	20.24	21.0

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Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.	Tune-up Limit (dBm)
				20407	20525	20643	
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)	
				824.70	836.50	848.30	
1.4	QPSK	1	0	23.52	23.80	23.81	24.5
		1	2	24.14	24.09	23.98	
		1	5	23.92	23.72	23.66	
		3	0	23.68	23.79	23.80	24.5
		3	1	24.05	23.95	23.78	
		3	3	23.96	23.55	23.82	
		6	0	23.13	23.06	22.91	23.5
	16QAM	1	0	23.09	22.85	22.90	23.5
		1	2	23.18	23.13	22.73	
		1	5	23.04	22.78	22.81	
		3	0	23.01	23.12	22.81	23.5
		3	1	23.05	23.02	22.87	
		3	3	22.92	22.89	22.81	
		6	0	21.88	21.97	21.74	22.5
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.	Tune-up Limit (dBm)
				20415	20525	20635	
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)	
				825.50	836.50	847.50	
3	QPSK	1	0	23.67	23.72	23.63	24.5
		1	8	24.21	24.07	23.81	
		1	14	23.78	23.58	23.75	
		8	0	22.99	22.89	22.87	23.5
		8	4	22.92	22.87	22.80	
		8	7	23.09	22.94	22.68	
		15	0	23.11	22.83	22.72	23.5
	16QAM	1	0	22.76	22.64	23.34	23.5
		1	8	23.47	23.37	22.63	
		1	14	22.90	22.64	22.81	
		8	0	21.85	22.16	21.65	22.5
		8	4	22.07	21.99	21.68	
		8	7	22.07	22.09	21.93	
		15	0	21.94	22.02	21.95	22.5
	Modulation		RB offset	Channel No.	Channel No.	Channel No.	

Bandwidth (MHz)		RB size		20425	20525	20625	Tune-up Limit (dBm)
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)	
				826.50	836.50	846.50	
5	QPSK	1	0	23.75	23.83	23.80	24.5
		1	12	24.01	24.02	23.88	
		1	24	24.00	23.62	23.83	
		12	0	22.90	23.00	22.86	23.5
		12	6	22.91	22.92	22.87	
		12	13	23.03	23.07	22.86	
		25	0	23.01	23.07	22.80	23.5
	16QAM	1	0	22.93	22.74	23.14	23.5
		1	12	23.31	23.26	22.74	
		1	24	22.90	22.82	22.95	
		12	0	21.92	22.09	21.72	22.5
		12	6	22.03	22.00	21.76	
		12	13	22.04	21.92	21.98	
		25	0	21.90	22.12	21.69	22.5
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.	Tune-up Limit (dBm)
				20450	20525	20600	
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)	
				829.00	836.50	844.00	
10	QPSK	1	0	23.63	23.85	23.73	24.5
		1	24	24.09	24.10	23.90	
		1	49	23.90	23.60	23.81	
		25	0	23.01	23.00	22.91	23.5
		25	12	23.04	23.00	22.79	
		25	25	23.00	22.92	22.73	
		50	0	22.96	22.97	22.80	23.5
	16QAM	1	0	22.84	22.79	23.28	23.5
		1	24	23.42	23.41	22.69	
		1	49	22.85	22.68	22.82	
		25	0	21.90	22.04	21.77	22.5
		25	12	21.96	22.13	21.79	
		25	25	22.01	21.97	21.89	
		50	0	21.97	22.00	21.83	22.5

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Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.	Tune-up Limit (dBm)
				20775	21100	21425	
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)	
				2502.50	2535.00	2567.50	
5	QPSK	1	0	20.99	20.97	21.13	22.0
		1	12	21.01	20.97	21.87	
		1	24	21.05	21.19	21.23	
		12	0	20.08	20.07	20.51	21.0
		12	6	19.96	20.19	20.64	
		12	13	20.11	20.24	20.77	
		25	0	20.03	20.17	20.66	21.0
	16QAM	1	0	20.12	19.84	20.83	21.0
		1	12	20.19	20.38	20.69	
		1	24	19.76	20.76	20.98	
		12	0	18.98	19.10	19.75	20.0
		12	6	18.86	19.32	19.85	
		12	13	19.06	19.32	19.58	
		25	0	19.13	19.03	19.51	20.0
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.	Tune-up Limit (dBm)
				20800	21100	21400	
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)	
				2505.00	2535.00	2565.00	
10	QPSK	1	0	21.06	20.85	21.14	22.0
		1	24	21.21	20.96	21.90	
		1	49	21.00	21.26	21.40	
		25	0	19.96	20.18	20.61	21.0
		25	12	20.01	20.23	20.52	
		25	25	19.97	20.33	20.52	
		50	0	19.95	20.20	20.40	21.0
	16QAM	1	0	20.08	19.82	20.96	21.0
		1	24	20.17	20.48	20.84	
		1	49	19.78	20.78	20.92	
		25	0	18.95	19.21	19.65	20.0
		25	12	18.94	19.34	19.68	
		25	25	18.93	19.42	19.56	
		50	0	19.32	19.15	19.45	20.0
	Modulation		RB offset	Channel No.	Channel No.	Channel No.	

Bandwidth (MHz)		RB size		20825	21100	21375	Tune-up Limit (dBm)
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)	
				2507.50	2535.00	2562.50	
15	QPSK	1	0	20.94	21.11	21.30	22.0
		1	38	21.04	20.95	21.73	
		1	74	21.09	21.46	21.21	
		36	0	20.02	20.33	20.50	21.0
		36	18	19.89	20.33	20.71	
		36	37	19.92	20.39	20.51	
		75	0	19.95	20.39	20.62	21.0
	16QAM	1	0	20.16	19.94	20.80	21.0
		1	38	20.13	20.38	20.76	
		1	74	19.88	20.73	20.88	
		36	0	19.07	19.05	19.78	20.0
		36	18	18.81	19.18	19.59	
		36	37	18.88	19.47	19.38	
		75	0	19.26	19.15	19.67	20.0
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.	Tune-up Limit (dBm)
				20850	21100	21350	
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)	
				2510.00	2535.00	2560.00	
20	QPSK	1	0	20.93	20.98	21.24	22.0
		1	49	21.10	21.07	21.78	
		1	99	21.13	21.31	21.28	
		50	0	19.94	20.22	20.62	21.0
		50	25	19.97	20.26	20.60	
		50	50	20.07	20.31	20.65	
		100	0	20.05	20.27	20.51	21.0
	16QAM	1	0	20.02	19.92	20.86	21.0
		1	49	20.28	20.46	20.76	
		1	99	19.88	20.81	20.93	
		50	0	19.07	19.19	19.70	20.0
		50	25	18.91	19.30	19.71	
		50	50	19.01	19.45	19.53	
		100	0	19.22	19.14	19.56	20.0

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Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.	Tune-up Limit (dBm)
				26047	26365	26683	
				Freq. (MHz)	Freq. (MHz)	Freq. (MHz)	
				1850.70	1882.50	1914.30	
1.4	QPSK	1	0	21.11	21.20	21.32	22.0
		1	2	21.47	21.65	21.90	
		1	5	20.69	21.49	20.77	
		3	0	21.12	21.25	21.33	22.0
		3	1	21.30	21.85	21.79	
		3	3	20.64	21.36	20.54	
		6	0	20.53	20.43	20.66	21.0
	16QAM	1	0	20.55	20.75	20.90	21.0
		1	2	20.70	20.63	20.80	
		1	5	20.45	20.63	20.90	
		3	0	20.52	20.28	20.32	21.0
		3	1	20.49	20.52	20.85	
		3	3	19.65	20.88	20.70	
		6	0	19.56	19.58	20.21	20.5
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.	Tune-up Limit (dBm)
				26055	26365	26675	
				Freq. (MHz)	Freq. (MHz)	Freq. (MHz)	
				1851.50	1882.50	1913.50	
3	QPSK	1	0	21.07	21.06	21.41	22.0
		1	8	21.40	21.63	21.92	
		1	14	20.54	21.28	20.56	
		8	0	20.35	20.55	20.71	21.0
		8	4	20.48	20.72	20.80	
		8	7	20.61	20.48	20.82	
		15	0	20.65	20.48	20.78	21.0
	16QAM	1	0	20.23	20.34	20.27	21.0
		1	8	20.42	20.53	20.92	
		1	14	19.66	20.70	20.61	
		8	0	19.31	19.52	19.86	20.5
		8	4	19.44	19.46	20.07	
		8	7	19.71	19.53	19.99	
		15	0	19.32	19.60	20.10	20.5
	Modulation		RB offset	Channel No.	Channel No.	Channel No.	

Bandwidth (MHz)		RB size		26065	26365	26665	Tune-up Limit (dBm)
				Freq. (MHz)	Freq. (MHz)	Freq. (MHz)	
				1852.50	1882.50	1912.50	
5	QPSK	1	0	21.10	21.14	21.13	22.0
		1	12	21.49	21.90	21.87	
		1	24	20.72	21.28	20.53	
		12	0	20.37	20.48	20.92	21.0
		12	6	20.41	20.65	20.99	
		12	13	20.64	20.58	20.89	
		25	0	20.64	20.68	20.94	21.0
	16QAM	1	0	20.31	20.31	20.21	21.0
		1	12	20.32	20.40	20.86	
		1	24	19.66	20.94	20.60	
		12	0	19.56	19.73	19.72	20.5
		12	6	19.24	19.37	19.91	
		12	13	19.76	19.62	19.86	
		25	0	19.43	19.48	20.03	20.5
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.	Tune-up Limit (dBm)
				26090	26365	26640	
				Freq. (MHz)	Freq. (MHz)	Freq. (MHz)	
				1855.00	1882.50	1910.00	
10	QPSK	1	0	21.27	21.13	21.19	22.0
		1	24	21.38	21.87	21.83	
		1	49	20.55	21.31	20.74	
		25	0	20.60	20.62	20.81	21.0
		25	12	20.59	20.70	20.81	
		25	25	20.52	20.69	21.00	
		50	0	20.45	20.47	20.77	21.0
	16QAM	1	0	20.30	20.42	20.19	21.0
		1	24	20.25	20.52	20.95	
		1	49	19.67	20.69	20.81	
		25	0	19.52	19.65	19.90	20.5
		25	12	19.47	19.55	19.88	
		25	25	19.60	19.63	19.89	
		50	0	19.38	19.60	19.91	20.5
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.	Tune-up Limit (dBm)
				26115	26365	26615	
				Freq. (MHz)	Freq. (MHz)	Freq. (MHz)	
				1857.50	1882.50	1907.50	
15	QPSK	1	0	21.28	21.08	21.41	22.0

		1	38	21.28	21.71	21.87	
		1	74	20.65	21.28	20.59	
		36	0	20.61	20.40	20.82	
		36	18	20.58	20.66	20.73	21.0
		36	37	20.70	20.69	20.83	
		75	0	20.49	20.56	20.67	
	16QAM	1	0	20.28	20.39	20.28	21.0
		1	38	20.25	20.49	20.73	
		1	74	19.58	20.83	20.64	
		36	0	19.41	19.58	19.74	20.5
		36	18	19.20	19.63	19.94	
		36	37	19.81	19.60	19.74	
		75	0	19.52	19.63	20.01	20.5
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.	Tune-up Limit (dBm)
				26140	26365	26590	
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)	
				1860	1882.5	1905	
20	QPSK	1	0	21.17	21.2	21.26	22.0
		1	49	21.39	21.76	21.86	
		1	99	20.58	21.41	20.68	
		50	0	20.49	20.52	20.77	21.0
		50	25	20.55	20.6	20.84	
		50	50	20.61	20.57	20.87	
		100	0	20.54	20.54	20.81	21.0
	16QAM	1	0	20.37	20.38	20.24	21.0
		1	49	20.35	20.52	20.88	
		1	99	19.6	20.82	20.67	
		50	0	19.41	19.64	19.79	20.5
		50	25	19.33	19.52	20.03	
		50	50	19.71	19.5	19.89	
		100	0	19.47	19.61	20.01	20.5

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Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.	Tune-up Limit (dBm)
				26697	26865	27033	
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)	
				814.70	831.50	848.30	
1.4	QPSK	1	0	23.09	23.45	23.52	24.0
		1	2	23.30	23.36	23.62	
		1	5	23.26	23.43	23.21	
		3	0	22.42	22.95	22.70	24.0
		3	1	22.80	22.92	22.60	
		3	3	22.40	22.87	22.59	
		6	0	22.50	22.94	22.35	23.0
	16QAM	1	0	22.15	22.72	22.62	23.0
		1	2	22.79	22.36	22.35	
		1	5	22.67	22.51	22.31	
		3	0	21.64	21.42	21.39	23.0
		3	1	21.50	21.75	21.43	
		3	3	21.63	21.57	21.27	
		6	0	21.20	21.80	21.69	22.0
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.	Tune-up Limit (dBm)
				26705	26865	27025	
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)	
				815.50	831.50	847.50	
3	QPSK	1	0	23.08	23.60	23.49	24.0
		1	8	23.22	23.26	23.77	
		1	14	23.17	23.56	23.18	
		8	0	22.44	22.82	22.85	23.0
		8	4	22.78	22.87	22.74	
		8	7	22.26	22.74	22.47	
		15	0	22.42	22.79	22.50	23.0
	16QAM	1	0	22.20	22.80	22.76	23.0
		1	8	22.94	22.49	22.47	
		1	14	22.62	22.51	22.46	
		8	0	21.52	21.49	21.43	22.0
		8	4	21.51	21.70	21.41	
		8	7	21.77	21.49	21.23	
		15	0	21.29	21.75	21.65	22.0
	Modulation		RB offset	Channel No.	Channel No.	Channel No.	

Bandwidth (MHz)		RB size		26715	26865	27015	Tune-up Limit (dBm)
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)	
				816.50	831.50	846.50	
5	QPSK	1	0	22.99	23.63	23.53	24.0
		1	12	23.30	23.37	23.83	
		1	24	23.14	23.50	23.03	
		12	0	22.32	22.94	22.72	23.0
		12	6	22.68	22.85	22.88	
		12	13	22.24	22.75	22.40	
		25	0	22.35	22.80	22.41	23.0
	16QAM	1	0	22.22	22.87	22.73	23.0
		1	12	22.59	22.51	22.40	
		1	24	22.63	22.65	22.61	
		12	0	21.53	21.64	21.50	22.0
		12	6	21.63	21.68	21.44	
		12	13	21.73	21.58	21.30	
		25	0	21.32	21.73	21.65	22.0
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.	Tune-up Limit (dBm)
				26740	26865	26990	
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)	
				819.00	831.50	844.00	
10	QPSK	1	0	23.05	23.51	23.51	24.0
		1	24	23.34	23.36	23.76	
		1	49	23.29	23.54	23.14	
		25	0	22.32	22.87	22.73	23.0
		25	12	22.59	22.73	22.81	
		25	25	22.39	22.64	22.50	
		50	0	22.28	22.71	22.52	23.0
	16QAM	1	0	22.17	22.73	22.67	23.0
		1	24	22.90	22.54	22.54	
		1	49	22.57	22.71	22.53	
		25	0	21.48	21.65	21.59	22.0
		25	12	21.60	21.69	21.53	
		25	25	21.67	21.66	21.35	
		50	0	21.41	21.58	21.66	22.0
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.	Tune-up Limit (dBm)
				26765	26865	26965	
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)	
				821.50	831.50	841.50	
15	QPSK	1	0	23.08	23.36	23.54	24.0

		1	38	23.35	23.48	23.80	
		1	74	23.36	23.63	23.00	
		36	0	22.34	22.73	22.65	23.0
		36	18	22.54	22.71	22.69	
		36	37	22.54	22.66	22.55	
		75	0	22.43	22.71	22.59	23.0
	16QAM	1	0	22.22	22.62	22.66	23.0
		1	38	22.85	22.58	22.67	
		1	74	22.47	22.74	22.56	
		36	0	21.40	21.53	21.44	22.0
		36	18	21.55	21.68	21.68	
		36	37	21.64	21.63	21.43	
		75	0	21.52	21.70	21.67	22.0

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Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.	Tune-up Limit (dBm)
				37775	38000	38225	
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)	
				2572.50	2595.00	2617.50	
5	QPSK	1	0	21.60	21.75	21.96	23.0
		1	12	22.35	22.61	22.05	
		1	24	21.82	22.11	22.03	
		12	0	20.83	20.97	21.15	21.5
		12	6	20.97	21.34	21.28	
		12	13	21.07	21.27	21.10	
		25	0	21.05	21.29	21.05	21.5
	16QAM	1	0	21.09	21.00	20.77	21.5
		1	12	20.99	21.42	20.44	
		1	24	21.28	20.86	20.62	
		12	0	20.05	20.28	20.05	20.5
		12	6	20.24	20.37	20.27	
		12	13	20.19	20.15	20.15	
		25	0	19.94	20.11	20.08	20.5
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.	Tune-up Limit (dBm)
				37800	38000	38200	
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)	
				2575.00	2595.00	2615.00	
10	QPSK	1	0	21.57	21.93	21.95	23.0
		1	24	22.30	22.37	21.93	
		1	49	21.94	22.32	22.00	
		25	0	20.95	21.10	21.17	21.5
		25	12	21.17	21.35	21.24	
		25	25	21.25	21.07	21.24	
		50	0	21.04	21.12	20.99	21.5
	16QAM	1	0	21.15	20.99	20.94	21.5
		1	24	20.86	21.42	20.69	
		1	49	21.47	20.97	20.56	
		25	0	19.99	20.26	20.19	20.5
		25	12	20.28	20.26	20.16	
		25	25	20.25	20.13	19.99	
		50	0	20.01	20.23	20.06	20.5
	Modulation		RB offset	Channel No.	Channel No.	Channel No.	

Bandwidth (MHz)		RB size		37825	38000	38175	Tune-up Limit (dBm)
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)	
				2577.50	2595.00	2612.50	
15	QPSK	1	0	21.32	22.02	21.98	23.0
		1	38	22.28	22.64	22.06	
		1	74	21.76	22.24	22.01	
		36	0	20.98	21.21	21.03	21.5
		36	18	21.03	21.33	21.28	
		36	37	21.05	21.29	21.13	
		75	0	20.87	21.08	21.27	21.5
	16QAM	1	0	20.97	20.85	20.94	21.5
		1	38	20.84	21.36	20.62	
		1	74	21.37	21.07	20.78	
		36	0	20.11	20.24	20.29	20.5
		36	18	20.15	20.18	20.07	
		36	37	20.39	20.12	20.02	
		75	0	19.99	20.18	20.22	20.5
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.	Tune-up Limit (dBm)
				37850	38000	38150	
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)	
				2580.00	2595.00	2610.00	
20	QPSK	1	0	21.45	21.88	21.89	23.0
		1	49	22.28	22.51	21.99	
		1	99	21.85	22.25	22.03	
		50	0	20.83	21.12	21.14	21.5
		50	25	21.03	21.25	21.14	
		50	50	21.11	21.18	21.17	
		100	0	20.95	21.15	21.12	21.5
	16QAM	1	0	21.08	20.87	20.79	21.5
		1	49	20.93	21.46	20.54	
		1	99	21.35	20.99	20.65	
		50	0	19.99	20.20	20.16	20.5
		50	25	20.14	20.25	20.17	
		50	50	20.29	20.06	20.09	
		100	0	20.00	20.12	20.07	20.5

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Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.	Tune-up Limit (dBm)
				39715	40640	41565	
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)	
				2502.50	2595.00	2687.50	
5	QPSK	1	0	20.72	21.71	22.26	22.5
		1	12	21.27	22.18	22.39	
		1	24	21.08	22.02	22.04	
		12	0	20.13	20.96	21.39	21.5
		12	6	20.40	21.12	21.20	
		12	13	20.28	21.14	21.29	
		25	0	19.97	21.09	21.36	21.5
	16QAM	1	0	20.12	21.54	21.74	22.0
		1	12	20.53	20.84	21.13	
		1	24	20.15	21.79	21.65	
		12	0	18.89	20.07	20.43	20.5
		12	6	19.18	20.14	20.27	
		12	13	19.02	20.30	20.21	
		25	0	19.27	19.89	20.20	20.5
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.	Tune-up Limit (dBm)
				39740	40640	41540	
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)	
				2505.00	2595.00	2685.00	
10	QPSK	1	0	20.89	21.76	22.20	22.5
		1	24	21.36	22.23	22.35	
		1	49	20.99	21.97	21.94	
		25	0	19.94	21.14	21.30	21.5
		25	12	20.43	21.19	21.45	
		25	25	20.16	21.06	21.16	
		50	0	20.04	21.18	21.27	21.5
	16QAM	1	0	20.17	21.55	21.78	22.0
		1	24	20.44	20.97	21.28	
		1	49	20.05	21.75	21.76	
		25	0	18.74	20.07	20.41	20.5
		25	12	19.30	20.21	20.30	
		25	25	19.05	20.19	20.21	
		50	0	19.14	19.91	20.44	20.5
	Modulation		RB offset	Channel No.	Channel No.	Channel No.	

Bandwidth (MHz)		RB size		39765	40640	41515	Tune-up Limit (dBm)
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)	
				2507.50	2595.00	2682.50	
15	QPSK	1	0	20.74	21.60	22.24	22.5
		1	38	21.32	22.19	22.32	
		1	74	21.18	21.86	22.00	
		36	0	20.15	21.13	21.50	21.5
		36	18	20.30	21.22	21.32	
		36	37	20.29	21.20	21.17	
		75	0	20.05	21.03	21.48	21.5
	16QAM	1	0	20.03	21.37	21.75	22.0
		1	38	20.43	20.72	21.26	
		1	74	20.25	21.66	21.74	
		36	0	18.75	20.36	20.15	20.5
		36	18	19.32	20.32	20.44	
		36	37	19.30	20.25	20.29	
		75	0	19.13	20.09	20.25	20.5
Bandwidth (MHz)	Modulation	RB size	RB offset	Channel No.	Channel No.	Channel No.	Tune-up Limit (dBm)
				39790	40640	41490	
				Fre. (MHz)	Fre. (MHz)	Fre. (MHz)	
				2510.00	2595.00	2680.00	
20	QPSK	1	0	20.78	21.68	22.17	22.5
		1	49	21.29	22.27	22.40	
		1	99	21.05	21.90	21.90	
		50	0	20.03	21.04	21.41	21.5
		50	25	20.32	21.19	21.31	
		50	50	20.20	21.11	21.25	
		100	0	20.11	21.15	21.33	21.5
	16QAM	1	0	20.05	21.50	21.76	22.0
		1	49	20.42	20.84	21.25	
		1	99	20.14	21.68	21.71	
		50	0	18.86	20.21	20.42	20.5
		50	25	19.29	20.18	20.32	
		50	50	19.15	20.26	20.32	
		100	0	19.13	20.04	20.29	20.5

RTL8733 2.4G Wi-Fi

Mode	Freq(MHz)	AV Power (dBm)	Tune-up Limit (dBm)
802.11b	2412	19.82	20.0
	2437	19.56	
	2462	19.66	
802.11g	2412	20.16	20.5
	2437	19.46	
	2462	19.37	
802.11n 20M	2412	20.07	20.5
	2437	19.36	
	2462	19.33	

RTL8733 5G Wi-Fi & U-NII-3

Mode	Freq(MHz)	AV Power (dBm)	Tune-up Limit (dBm)
802.11a	5745	19.43	20.0
	5785	19.25	
	5825	19.66	
802.11n20	5745	19.26	20.0
	5785	19.16	
	5825	19.24	

XL100 2.4G Wi-Fi

Mode	Freq(MHz)	AV Power (dBm)			Tune-up Limit (dBm)		
		ANT1	ANT2	MIMO	ANT1	ANT2	MIMO
802.11b	2412	19.30	19.33	/	20.0	20.0	/
	2437	19.30	19.18	/	20.0	20.0	/
	2462	19.66	19.52	/	20.0	20.0	/
802.11g	2412	16.90	17.64	/	18.5	18.5	/
	2437	17.08	17.69	/	18.5	18.5	/
	2462	17.58	18.09	/	18.5	18.5	/
802.11n 20M	2412	16.22	17.00	19.64	17.5	17.5	20.5
	2437	16.38	16.98	19.70	17.5	17.5	20.5
	2462	16.75	17.48	20.14	17.5	17.5	20.5

XL100 5G Wi-Fi & U-NII-3

Mode	Freq(MHz)	AV Power (dBm)			Tune-up Limit (dBm)		
		ANT1	ANT2	MIMO	ANT1	ANT2	MIMO
802.11a	5745	22.13	22.45	/	22.5	22.5	/
	5785	22.27	22.30	/	22.5	22.5	/
	5825	21.85	21.97	/	22.5	22.5	/
802.11n 20M	5745	22.61	22.85	25.74	23.0	23.0	26.0
	5785	22.56	22.74	25.66	23.0	23.0	26.0
	5825	22.17	22.19	25.19	23.0	23.0	26.0

XL100 BLE

Mode	Freq(MHz)	AV Power (dBm)	Tune-up Limit (dBm)
1M	2402	1.30	2.5
	2440	1.43	
	2480	2.11	
2M	2402	1.40	2.5
	2440	1.29	
	2480	2.01	