8.1 GSM Output Power

GSM-Full Powe-UAT

GSM850 Band	Burst Average Power(dBm)			Tune-up	Division	Frame-Averaged power			Tune-up
Channel	128	190	251	Power(dBm)	Factors	128	190	251	Power(dBm)
GSM (GMSK, 1-Slot)	32.58	32.63	32.46	33.50	9.19	23.39	23.44	23.27	24.31
GPRS (GMSK, 1-Slot)	32.42	32.56	32.39	33.50	9.19	23.23	23.37	23.20	24.31
GPRS (GMSK, 2-Slots)	30.04	30.02	29.79	31.50	6.13	23.91	23.89	23.66	25.37
GPRS (GMSK, 3-Slots)	28.50	28.54	28.57	30.00	4.42	24.08	24.12	24.15	25.58
GPRS (GMSK, 4-Slots)	27.67	27.71	27.47	29.00	3.18	24.49	24.53	24.29	**25.82**
EGPRS (8PSK, 1-Slot)	25.46	26.10	25.88	27.00	9.19	16.27	16.91	16.69	17.81
EGPRS (8PSK, 2-Slots)	24.52	24.60	24.68	25.50	6.13	18.39	18.47	18.55	19.37
EGPRS (8PSK, 3-Slots)	23.91	24.18	24.03	24.50	4.42	19.49	19.76	19.61	20.08
EGPRS (8PSK, 4-Slots)	22.68	22.77	22.77	23.50	3.18	19.50	19.59	19.59	20.32
GSM1900 Band	Burst Average Power(dBm)			Tune-up	Division	Frame-Averaged			Tune-up
Channel	512	661	810	Power(dBm)	Factors	512	661	810	Power(dBm)
GSM (GMSK, 1-Slot)	29.52	29.90	29.55	30.50	9.19	20.33	20.71	20.36	21.31
GPRS (GMSK, 1-Slot)	29.68	29.79	29.79	30.50	9.19	20.49	20.60	20.60	21.31
GPRS (GMSK, 2-Slots)	27.71	27.85	27.81	28.50	6.13	21.58	21.72	21.68	22.37
GPRS (GMSK, 3-Slots)	25.94	26.46	26.42	27.50	4.42	21.52	22.04	22.00	**23.08**
GPRS (GMSK, 4-Slots)	24.62	24.78	25.05	25.50	3.18	21.44	21.60	21.87	22.32
EGPRS (8PSK, 1-Slot)	25.65	25.66	25.72	26.50	9.19	16.46	16.47	16.53	17.31
EGPRS (8PSK, 2-Slots)	23.49	23.93	23.86	25.00	6.13	17.36	17.80	17.73	18.87
EGPRS (8PSK, 3-Slots)	22.80	22.79	22.79	24.00	4.42	18.38	18.37	18.37	19.58
EGPRS (8PSK, 4-Slots)	21.54	21.71	21.83	22.50	3.18	18.36	18.53	18.65	19.32

GSM-Level 1-UAT

GSM850 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged power			Tune-up
Channel	128	190	251	Power(dBm)	128	190	251	Power(dBm)
GSM (GMSK, 1-Slot)	30.20	30.28	30.15	30.50	21.01	21.09	20.96	21.31
GPRS (GMSK, 1-Slot)	30.18	30.21	30.15	30.50	20.99	21.02	20.96	21.31
GPRS (GMSK, 2-Slots)	27.56	27.67	27.51	28.50	21.43	21.54	21.38	22.37
GPRS (GMSK, 3-Slots)	25.84	25.97	25.78	27.00	21.42	21.55	21.36	22.58
GPRS (GMSK, 4-Slots)	24.59	24.72	24.54	26.00	21.41	21.54	21.36	**22.82**
EGPRS (8PSK, 1-Slot)	23.15	23.51	23.43	24.00	13.96	14.32	14.24	14.81
EGPRS (8PSK, 2-Slots)	20.80	20.73	20.89	22.50	14.67	14.60	14.76	16.37
EGPRS (8PSK, 3-Slots)	19.69	19.97	19.64	21.50	15.27	15.55	15.22	17.08
EGPRS (8PSK, 4-Slots)	18.81	18.95	19.01	20.50	15.63	15.77	15.83	17.32
GSM1900 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged			Tune-up
Channel	512	661	810	Power(dBm)	512	661	810	Power(dBm)
GSM (GMSK, 1-Slot)	24.08	24.12	24.19	24.50	14.89	14.93	15.00	15.31
GPRS (GMSK, 1-Slot)	24.07	24.10	24.18	24.50	14.88	14.91	14.99	15.31
GPRS (GMSK, 2-Slots)	21.33	21.53	21.58	22.50	15.20	15.40	15.45	16.37
GPRS (GMSK, 3-Slots)	19.57	19.76	19.83	21.50	15.15	15.34	15.41	**17.08**
GPRS (GMSK, 4-Slots)	18.18	18.40	18.46	19.50	15.00	15.22	15.28	16.32
EGPRS (8PSK, 1-Slot)	20.00	20.20	20.13	20.50	10.81	11.01	10.94	11.31
EGPRS (8PSK, 2-Slots)	17.73	18.03	18.08	19.00	11.60	11.90	11.95	12.87
EGPRS (8PSK, 3-Slots)	16.23	16.08	16.09	18.00	11.81	11.66	11.67	13.58
EGPRS (8PSK, 4-Slots)	14.58	14.78	14.76	16.50	11.40	11.60	11.58	13.32

GSM-Level 2/3 -UAT

GSM850 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged power			Tune-up
Channel	128	190	251	Power(dBm)	128	190	251	Power(dBm)
GSM (GMSK, 1-Slot)	30.20	30.28	30.15	30.50	21.01	21.09	20.96	21.31
GPRS (GMSK, 1-Slot)	30.18	30.21	30.15	30.50	20.99	21.02	20.96	21.31
GPRS (GMSK, 2-Slots)	27.56	27.67	27.51	28.50	21.43	21.54	21.38	22.37
GPRS (GMSK, 3-Slots)	25.84	25.97	25.78	27.00	21.42	21.55	21.36	22.58
GPRS (GMSK, 4-Slots)	24.59	24.72	24.54	26.00	21.41	21.54	21.36	**22.82**
EGPRS (8PSK, 1-Slot)	23.15	23.51	23.43	24.00	13.96	14.32	14.24	14.81
EGPRS (8PSK, 2-Slots)	20.80	20.73	20.89	22.50	14.67	14.60	14.76	16.37
EGPRS (8PSK, 3-Slots)	19.69	19.97	19.64	21.50	15.27	15.55	15.22	17.08
EGPRS (8PSK, 4-Slots)	18.81	18.95	19.01	20.50	15.63	15.77	15.83	17.32
GSM1900 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged			Tune-up
Channel	512	661	810	Power(dBm)	512	661	810	Power(dBm)
GSM (GMSK, 1-Slot)	23.01	23.08	23.05	23.50	13.82	13.89	13.86	14.31
GPRS (GMSK, 1-Slot)	23.00	23.05	23.02	23.50	13.81	13.86	13.83	14.31
GPRS (GMSK, 2-Slots)	20.28	20.47	20.18	21.50	14.15	14.34	14.05	15.37
GPRS (GMSK, 3-Slots)	18.53	18.70	18.79	20.50	14.11	14.28	14.37	**16.08**
GPRS (GMSK, 4-Slots)	17.22	17.43	17.46	18.50	14.04	14.25	14.28	15.32
EGPRS (8PSK, 1-Slot)	19.08	19.02	18.89	19.50	9.89	9.83	9.70	10.31
EGPRS (8PSK, 2-Slots)	16.50	16.72	16.74	18.00	10.37	10.59	10.61	11.87
EGPRS (8PSK, 3-Slots)	15.36	15.42	15.45	17.00	10.94	11.00	11.03	12.58
EGPRS (8PSK, 4-Slots)	13.57	13.65	13.77	15.50	10.39	10.47	10.59	12.32

GSM-Level 4-UAT

GSM850 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged power			Tune-up
Channel	128	190	251	Power(dBm)	128	190	251	Power(dBm)
GSM (GMSK, 1-Slot)	32.58	32.63	32.46	33.50	23.39	23.44	23.27	24.31
GPRS (GMSK, 1-Slot)	32.42	32.56	32.39	33.50	23.23	23.37	23.20	24.31
GPRS (GMSK, 2-Slots)	30.04	30.02	29.79	31.50	23.91	23.89	23.66	25.37
GPRS (GMSK, 3-Slots)	28.50	28.54	28.57	30.00	24.08	24.12	24.15	25.58
GPRS (GMSK, 4-Slots)	27.67	27.71	27.47	29.00	24.49	24.53	24.29	**25.82**
EGPRS (8PSK, 1-Slot)	25.46	26.10	25.88	27.00	16.27	16.91	16.69	17.81
EGPRS (8PSK, 2-Slots)	24.52	24.60	24.68	25.50	18.39	18.47	18.55	19.37
EGPRS (8PSK, 3-Slots)	23.91	24.18	24.03	24.50	19.49	19.76	19.61	20.08
EGPRS (8PSK, 4-Slots)	22.68	22.77	22.77	23.50	19.50	19.59	19.59	20.32
GSM1900 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged			Tune-up
Channel	512	661	810	Power(dBm)	512	661	810	Power(dBm)
GSM (GMSK, 1-Slot)	29.52	29.90	29.55	30.50	20.33	20.71	20.36	21.31
GPRS (GMSK, 1-Slot)	29.68	29.79	29.79	30.50	20.49	20.60	20.60	21.31
GPRS (GMSK, 2-Slots)	27.71	27.85	27.81	28.50	21.58	21.72	21.68	22.37
GPRS (GMSK, 3-Slots)	25.94	26.46	26.42	27.50	21.52	22.04	22.00	**23.08**
GPRS (GMSK, 4-Slots)	24.62	24.78	25.05	25.50	21.44	21.60	21.87	22.32
EGPRS (8PSK, 1-Slot)	25.65	25.66	25.72	26.50	16.46	16.47	16.53	17.31
EGPRS (8PSK, 2-Slots)	23.49	23.93	23.86	25.00	17.36	17.80	17.73	18.87
EGPRS (8PSK, 3-Slots)	22.80	22.79	22.79	24.00	18.38	18.37	18.37	19.58
EGPRS (8PSK, 4-Slots)	21.54	21.71	21.83	22.50	18.36	18.53	18.65	19.32

GSM-Level 5/6-UAT

GSM850 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged power			Tune-up
Channel	128	190	251	Power(dBm)	128	190	251	Power(dBm)
GSM (GMSK, 1-Slot)	32.58	32.63	32.46	33.50	23.39	23.44	23.27	24.31
GPRS (GMSK, 1-Slot)	32.42	32.56	32.39	33.50	23.23	23.37	23.20	24.31
GPRS (GMSK, 2-Slots)	30.04	30.02	29.79	31.50	23.91	23.89	23.66	25.37
GPRS (GMSK, 3-Slots)	28.50	28.54	28.57	30.00	24.08	24.12	24.15	25.58
GPRS (GMSK, 4-Slots)	27.67	27.71	27.47	29.00	24.49	24.53	24.29	**25.82**
EGPRS (8PSK, 1-Slot)	25.46	26.10	25.88	27.00	16.27	16.91	16.69	17.81
EGPRS (8PSK, 2-Slots)	24.52	24.60	24.68	25.50	18.39	18.47	18.55	19.37
EGPRS (8PSK, 3-Slots)	23.91	24.18	24.03	24.50	19.49	19.76	19.61	20.08
EGPRS (8PSK, 4-Slots)	22.68	22.77	22.77	23.50	19.50	19.59	19.59	20.32
GSM1900 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged			Tune-up
Channel	512	661	810	Power(dBm)	512	661	810	Power(dBm)
GSM (GMSK, 1-Slot)	26.15	26.37	26.44	26.50	16.96	17.18	17.25	17.31
GPRS (GMSK, 1-Slot)	26.15	26.39	26.46	26.50	16.96	17.20	17.27	17.31
GPRS (GMSK, 2-Slots)	23.17	23.43	23.47	24.50	17.04	17.30	17.34	18.37
GPRS (GMSK, 3-Slots)	21.54	21.61	21.68	23.50	17.12	17.19	17.26	**19.08**
GPRS (GMSK, 4-Slots)	20.13	20.32	20.37	21.50	16.95	17.14	17.19	18.32
EGPRS (8PSK, 1-Slot)	21.53	21.54	21.85	22.50	12.34	12.35	12.66	13.31
EGPRS (8PSK, 2-Slots)	19.71	19.79	19.77	21.00	13.58	13.66	13.64	14.87
EGPRS (8PSK, 3-Slots)	18.26	18.35	18.23	20.00	13.84	13.93	13.81	15.58
EGPRS (8PSK, 4-Slots)	16.74	16.63	16.62	18.50	13.56	13.45	13.44	15.32

GSM-Full Powe-DAT

GSM850 Band	Burst Average Power(dBm)			Tune-up	Division	Frame-Averaged power			Tune-up
Channel	128	190	251	Power(dBm)	Factors	128	190	251	Power(dBm)
GSM (GMSK, 1-Slot)	32.44	32.48	32.35	33.50	9.19	23.25	23.29	23.16	24.31
GPRS (GMSK, 1-Slot)	32.31	32.41	32.33	33.50	9.19	23.12	23.22	23.14	24.31
GPRS (GMSK, 2-Slots)	29.92	29.99	29.75	31.50	6.13	23.79	23.86	23.62	25.37
GPRS (GMSK, 3-Slots)	28.45	28.52	28.36	30.00	4.42	24.03	24.10	23.94	25.58
GPRS (GMSK, 4-Slots)	27.49	27.54	27.38	29.00	3.18	24.31	24.36	24.20	**25.82**
EGPRS (8PSK, 1-Slot)	25.44	26.01	25.75	27.00	9.19	16.25	16.82	16.56	17.81
EGPRS (8PSK, 2-Slots)	24.42	24.46	24.56	25.50	6.13	18.29	18.33	18.43	19.37
EGPRS (8PSK, 3-Slots)	23.79	24.08	23.89	24.50	4.42	19.37	19.66	19.47	20.08
EGPRS (8PSK, 4-Slots)	22.56	22.69	22.65	23.50	3.18	19.38	19.51	19.47	20.32
GSM1900 Band	Burst Average Power(dBm)			Tune-up	Division	Frame-Averaged			Tune-up
Channel	512	661	810	Power(dBm)	Factors	512	661	810	Power(dBm)
GSM (GMSK, 1-Slot)	29.41	29.55	29.43	30.50	9.19	20.22	20.36	20.24	21.31
GPRS (GMSK, 1-Slot)	29.30	29.51	29.45	30.50	9.19	20.11	20.32	20.26	21.31
GPRS (GMSK, 2-Slots)	27.36	27.65	27.72	28.50	6.13	21.23	21.52	21.59	22.37
GPRS (GMSK, 3-Slots)	25.80	26.10	26.20	27.50	4.42	21.38	21.68	21.78	**23.08**
GPRS (GMSK, 4-Slots)	24.33	24.62	24.76	25.50	3.18	21.15	21.44	21.58	22.32
EGPRS (8PSK, 1-Slot)	25.33	25.48	25.52	26.50	9.19	16.14	16.29	16.33	17.31
EGPRS (8PSK, 2-Slots)	23.31	23.58	23.56	25.00	6.13	17.18	17.45	17.43	18.87
EGPRS (8PSK, 3-Slots)	22.65	22.61	22.67	24.00	4.42	18.23	18.19	18.25	19.58
EGPRS (8PSK, 4-Slots)	21.26	21.52	21.58	22.50	3.18	18.08	18.34	18.40	19.32

GSM-Level 1-DAT

GSM850 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged power			Tune-up
Channel	128	190	251	Power(dBm)	128	190	251	Power(dBm)
GSM (GMSK, 1-Slot)	32.44	32.48	32.35	33.50	23.25	23.29	23.16	24.31
GPRS (GMSK, 1-Slot)	32.31	32.41	32.33	33.50	23.12	23.22	23.14	24.31
GPRS (GMSK, 2-Slots)	29.92	29.99	29.75	31.50	23.79	23.86	23.62	25.37
GPRS (GMSK, 3-Slots)	28.45	28.52	28.36	30.00	24.03	24.10	23.94	25.58
GPRS (GMSK, 4-Slots)	27.49	27.54	27.38	29.00	24.31	24.36	24.20	**25.82**
EGPRS (8PSK, 1-Slot)	25.44	26.01	25.75	27.00	16.25	16.82	16.56	17.81
EGPRS (8PSK, 2-Slots)	24.42	24.46	24.56	25.50	18.29	18.33	18.43	19.37
EGPRS (8PSK, 3-Slots)	23.79	24.08	23.89	24.50	19.37	19.66	19.47	20.08
EGPRS (8PSK, 4-Slots)	22.56	22.69	22.65	23.50	19.38	19.51	19.47	20.32
GSM1900 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged			Tune-up
Channel	512	661	810	Power(dBm)	512	661	810	Power(dBm)
GSM (GMSK, 1-Slot)	29.41	29.55	29.43	30.50	20.22	20.36	20.24	21.31
GPRS (GMSK, 1-Slot)	29.30	29.51	29.45	30.50	20.11	20.32	20.26	21.31
GPRS (GMSK, 2-Slots)	27.36	27.65	27.72	28.50	21.23	21.52	21.59	22.37
GPRS (GMSK, 3-Slots)	25.80	26.10	26.20	27.50	21.38	21.68	21.78	**23.08**
GPRS (GMSK, 4-Slots)	24.33	24.62	24.76	25.50	21.15	21.44	21.58	22.32
EGPRS (8PSK, 1-Slot)	25.33	25.48	25.52	26.50	16.14	16.29	16.33	17.31
EGPRS (8PSK, 2-Slots)	23.31	23.58	23.56	25.00	17.18	17.45	17.43	18.87
EGPRS (8PSK, 3-Slots)	22.65	22.61	22.67	24.00	18.23	18.19	18.25	19.58
EGPRS (8PSK, 4-Slots)	21.26	21.52	21.58	22.50	18.08	18.34	18.40	19.32

GSM-Level 2/3-DAT

GSM850 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged power			Tune-up
Channel	128	190	251	Power(dBm)	128	190	251	Power(dBm)
GSM (GMSK, 1-Slot)	32.44	32.48	32.35	33.50	23.25	23.29	23.16	24.31
GPRS (GMSK, 1-Slot)	32.31	32.41	32.33	33.50	23.12	23.22	23.14	24.31
GPRS (GMSK, 2-Slots)	29.92	29.99	29.75	31.50	23.79	23.86	23.62	25.37
GPRS (GMSK, 3-Slots)	28.45	28.52	28.36	30.00	24.03	24.10	23.94	25.58
GPRS (GMSK, 4-Slots)	27.49	27.54	27.38	29.00	24.31	24.36	24.20	**25.82**
EGPRS (8PSK, 1-Slot)	25.44	26.01	25.75	27.00	16.25	16.82	16.56	17.81
EGPRS (8PSK, 2-Slots)	24.42	24.46	24.56	25.50	18.29	18.33	18.43	19.37
EGPRS (8PSK, 3-Slots)	23.79	24.08	23.89	24.50	19.37	19.66	19.47	20.08
EGPRS (8PSK, 4-Slots)	22.56	22.69	22.65	23.50	19.38	19.51	19.47	20.32
GSM1900 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged			Tune-up
Channel	512	661	810	Power(dBm)	512	661	810	Power(dBm)
GSM (GMSK, 1-Slot)	29.41	29.55	29.43	30.50	20.22	20.36	20.24	21.31
GPRS (GMSK, 1-Slot)	29.30	29.51	29.45	30.50	20.11	20.32	20.26	21.31
GPRS (GMSK, 2-Slots)	27.36	27.65	27.72	28.50	21.23	21.52	21.59	22.37
GPRS (GMSK, 3-Slots)	25.80	26.10	26.20	27.50	21.38	21.68	21.78	**23.08**
GPRS (GMSK, 4-Slots)	24.33	24.62	24.76	25.50	21.15	21.44	21.58	22.32
EGPRS (8PSK, 1-Slot)	25.33	25.48	25.52	26.50	16.14	16.29	16.33	17.31
EGPRS (8PSK, 2-Slots)	23.31	23.58	23.56	25.00	17.18	17.45	17.43	18.87
EGPRS (8PSK, 3-Slots)	22.65	22.61	22.67	24.00	18.23	18.19	18.25	19.58
EGPRS (8PSK, 4-Slots)	21.26	21.52	21.58	22.50	18.08	18.34	18.40	19.32

GSM-Level 4-DAT

GSM850 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged power			Tune-up
Channel	128	190	251	Power(dBm)	128	190	251	Power(dBm)
GSM (GMSK, 1-Slot)	32.44	32.48	32.35	33.50	23.25	23.29	23.16	24.31
GPRS (GMSK, 1-Slot)	32.31	32.41	32.33	33.50	23.12	23.22	23.14	24.31
GPRS (GMSK, 2-Slots)	29.92	29.99	29.75	31.50	23.79	23.86	23.62	25.37
GPRS (GMSK, 3-Slots)	28.45	28.52	28.36	30.00	24.03	24.10	23.94	25.58
GPRS (GMSK, 4-Slots)	27.49	27.54	27.38	29.00	24.31	24.36	24.20	**25.82**
EGPRS (8PSK, 1-Slot)	25.44	26.01	25.75	27.00	16.25	16.82	16.56	17.81
EGPRS (8PSK, 2-Slots)	24.42	24.46	24.56	25.50	18.29	18.33	18.43	19.37
EGPRS (8PSK, 3-Slots)	23.79	24.08	23.89	24.50	19.37	19.66	19.47	20.08
EGPRS (8PSK, 4-Slots)	22.56	22.69	22.65	23.50	19.38	19.51	19.47	20.32
GSM1900 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged			Tune-up
Channel	512	661	810	Power(dBm)	512	661	810	Power(dBm)
GSM (GMSK, 1-Slot)	29.41	29.55	29.43	30.50	20.22	20.36	20.24	21.31
GPRS (GMSK, 1-Slot)	29.30	29.51	29.45	30.50	20.11	20.32	20.26	21.31
GPRS (GMSK, 2-Slots)	27.36	27.65	27.72	28.50	21.23	21.52	21.59	22.37
GPRS (GMSK, 3-Slots)	25.80	26.10	26.20	27.50	21.38	21.68	21.78	**23.08**
GPRS (GMSK, 4-Slots)	24.33	24.62	24.76	25.50	21.15	21.44	21.58	22.32
EGPRS (8PSK, 1-Slot)	25.33	25.48	25.52	26.50	16.14	16.29	16.33	17.31
EGPRS (8PSK, 2-Slots)	23.31	23.58	23.56	25.00	17.18	17.45	17.43	18.87
EGPRS (8PSK, 3-Slots)	22.65	22.61	22.67	24.00	18.23	18.19	18.25	19.58
EGPRS (8PSK, 4-Slots)	21.26	21.52	21.58	22.50	18.08	18.34	18.40	19.32

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GSM850 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged power			Tune-up
Channel	128	190	251	Power(dBm)	128	190	251	Power(dBm)
GSM (GMSK, 1-Slot)	31.76	31.83	31.61	32.50	22.57	22.64	22.42	23.31
GPRS (GMSK, 1-Slot)	31.71	31.74	31.65	32.50	22.52	22.55	22.46	23.31
GPRS (GMSK, 2-Slots)	29.02	29.02	28.84	30.50	22.89	22.89	22.71	24.37
GPRS (GMSK, 3-Slots)	27.32	27.37	27.12	29.00	22.90	22.95	22.70	24.58
GPRS (GMSK, 4-Slots)	26.10	26.13	26.10	28.00	22.92	22.95	22.92	**24.82**
EGPRS (8PSK, 1-Slot)	24.59	25.05	24.79	26.00	15.40	15.86	15.60	16.81
EGPRS (8PSK, 2-Slots)	23.51	23.55	23.60	24.50	17.38	17.42	17.47	18.37
EGPRS (8PSK, 3-Slots)	22.98	23.24	22.96	23.50	18.56	18.82	18.54	19.08
EGPRS (8PSK, 4-Slots)	21.72	21.81	21.73	22.50	18.54	18.63	18.55	19.32
GSM1900 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged			Tune-up
Channel	512	661	810	Power(dBm)	512	661	810	Power(dBm)
GSM (GMSK, 1-Slot)	25.95	26.13	26.17	26.50	16.76	16.94	16.98	17.31
GPRS (GMSK, 1-Slot)	25.89	26.07	26.10	26.50	16.70	16.88	16.91	17.31
GPRS (GMSK, 2-Slots)	23.93	23.99	24.01	24.50	17.80	17.86	17.88	18.37
GPRS (GMSK, 3-Slots)	22.62	22.92	23.01	23.50	18.20	18.50	18.59	**19.08**
GPRS (GMSK, 4-Slots)	20.60	20.88	21.00	21.50	17.42	17.70	17.82	18.32
EGPRS (8PSK, 1-Slot)	21.73	22.11	22.11	22.50	12.54	12.92	12.92	13.31
EGPRS (8PSK, 2-Slots)	20.50	20.61	20.52	21.00	14.37	14.48	14.39	14.87
EGPRS (8PSK, 3-Slots)	19.03	19.54	19.42	20.00	14.61	15.12	15.00	15.58
EGPRS (8PSK, 4-Slots)	18.07	18.04	18.18	18.50	14.89	14.86	15.00	15.32

8.2 WCDMA Output Power

WCDMA-Full Powe-UAT				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
RMC 12.2Kbps	**22.74**	22.50	22.70	24.00
HSDPA Subtest-1	22.59	22.43	**22.67**	23.00
HSDPA Subtest-2	22.58	22.49	22.61	23.00
HSDPA Subtest-3	22.27	21.94	22.12	22.50
HSDPA Subtest-4	22.30	21.94	22.08	22.50
DC-HSDPA Subtest-1	22.43	22.16	**22.59**	23.00
DC-HSDPA Subtest-2	22.26	22.42	22.48	23.00
DC-HSDPA Subtest-3	22.10	21.81	22.01	22.50
DC-HSDPA Subtest-4	22.27	21.79	21.95	22.50
HSUPA Subtest-1	22.21	21.88	22.03	23.50
HSUPA Subtest-2	20.80	20.51	20.64	21.50
HSUPA Subtest-3	21.75	21.52	21.59	22.50
HSUPA Subtest-4	20.31	20.02	20.15	21.50
HSUPA Subtest-5	21.77	21.56	21.62	23.50
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
RMC 12.2Kbps	22.81	22.73	**22.88**	24.00
HSDPA Subtest-1	22.84	22.74	22.82	23.00
HSDPA Subtest-2	22.82	22.74	**22.87**	23.00
HSDPA Subtest-3	22.32	22.26	22.40	22.50
HSDPA Subtest-4	22.35	22.29	22.35	22.50
DC-HSDPA Subtest-1	22.67	22.46	**22.79**	23.00
DC-HSDPA Subtest-2	22.58	22.69	22.51	23.00
DC-HSDPA Subtest-3	22.20	22.09	22.26	22.50
DC-HSDPA Subtest-4	22.25	21.94	22.31	22.50
HSUPA Subtest-1	22.54	22.17	22.29	23.50
HSUPA Subtest-2	20.86	20.79	20.93	21.50
HSUPA Subtest-3	21.87	21.74	21.92	22.50
HSUPA Subtest-4	20.38	20.29	20.44	21.50
HSUPA Subtest-5	21.87	21.79	21.94	23.50
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
RMC 12.2Kbps	**23**	22.85	22.85	24.30
HSDPA Subtest-1	22.97	22.91	22.81	23.00
HSDPA Subtest-2	22.96	22.91	22.81	23.00
HSDPA Subtest-3	22.46	22.39	22.29	22.50
HSDPA Subtest-4	**22.46**	22.39	22.32	22.50
DC-HSDPA Subtest-1	**22.94**	22.76	22.48	23.00
DC-HSDPA Subtest-2	22.72	22.81	22.71	23.00
DC-HSDPA Subtest-3	22.22	22.06	22.04	22.50
DC-HSDPA Subtest-4	**22.33**	22.14	22.14	22.50
HSUPA Subtest-1	22.20	22.01	22.17	23.50
HSUPA Subtest-2	20.98	21.04	20.85	21.50
HSUPA Subtest-3	21.80	21.99	21.80	22.50
HSUPA Subtest-4	20.50	20.51	20.32	21.50
HSUPA Subtest-5	21.87	21.75	21.77	23.50

WCDMA-Level 1-UAT				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
RMC 12.2Kbps	**17.71**	17.38	17.58	18.00
HSDPA Subtest-1	17.11	16.82	**17.28**	17.50
HSDPA Subtest-2	17.11	17.05	17.01	17.50
HSDPA Subtest-3	16.60	16.51	16.53	17.00
HSDPA Subtest-4	16.78	16.35	16.40	17.00
DC-HSDPA Subtest-1	16.99	16.74	**17.04**	17.50
DC-HSDPA Subtest-2	16.89	16.85	16.66	17.50
DC-HSDPA Subtest-3	16.28	16.15	16.22	17.00
DC-HSDPA Subtest-4	16.45	15.98	16.19	17.00
HSUPA Subtest-1	15.45	15.47	15.62	16.50
HSUPA Subtest-2	15.04	14.78	14.99	15.50
HSUPA Subtest-3	16.22	16.04	16.01	16.50
HSUPA Subtest-4	14.60	14.41	14.45	15.50
HSUPA Subtest-5	16.21	15.98	16.08	17.50
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
RMC 12.2Kbps	18.90	18.83	**18.93**	19.50
HSDPA Subtest-1	18.50	18.65	18.40	19.00
HSDPA Subtest-2	18.53	18.29	18.60	19.00
HSDPA Subtest-3	18.17	18.11	18.10	18.50
HSDPA Subtest-4	18.09	18.06	17.97	18.50
DC-HSDPA Subtest-1	18.21	**18.56**	18.09	19.00
DC-HSDPA Subtest-2	18.29	18.25	18.53	19.00
DC-HSDPA Subtest-3	18.04	17.73	17.89	18.50
DC-HSDPA Subtest-4	17.88	17.98	17.82	18.50
HSUPA Subtest-1	17.14	16.77	17.05	18.00
HSUPA Subtest-2	16.80	16.64	16.50	17.00
HSUPA Subtest-3	17.46	17.44	17.77	18.00
HSUPA Subtest-4	16.03	16.16	16.32	17.00
HSUPA Subtest-5	17.68	17.47	17.84	19.00
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
RMC 12.2Kbps	**23**	22.85	22.85	24.30
HSDPA Subtest-1	22.97	22.91	22.81	23.00
HSDPA Subtest-2	22.96	22.91	22.81	23.00
HSDPA Subtest-3	22.46	22.39	22.29	22.50
HSDPA Subtest-4	**22.46**	22.39	22.32	22.50
DC-HSDPA Subtest-1	**22.94**	22.76	22.48	23.00
DC-HSDPA Subtest-2	22.72	22.81	22.71	23.00
DC-HSDPA Subtest-3	22.22	22.06	22.04	22.50
DC-HSDPA Subtest-4	**22.33**	22.14	22.14	22.50
HSUPA Subtest-1	22.20	22.01	22.17	23.50
HSUPA Subtest-2	20.98	21.04	20.85	21.50
HSUPA Subtest-3	21.80	21.99	21.80	22.50
HSUPA Subtest-4	20.50	20.51	20.32	21.50
HSUPA Subtest-5	21.87	21.75	21.77	23.50

WCDMA-Level 2/3-UAT				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
RMC 12.2Kbps	**16.71**	16.51	16.63	17.00
HSDPA Subtest-1	**16.14**	15.80	16.04	16.50
HSDPA Subtest-2	16.08	15.97	16.03	16.50
HSDPA Subtest-3	15.56	15.48	15.65	16.00
HSDPA Subtest-4	15.74	15.33	15.51	16.00
DC-HSDPA Subtest-1	**15.83**	15.45	15.81	16.50
DC-HSDPA Subtest-2	15.76	15.59	15.70	16.50
DC-HSDPA Subtest-3	15.51	15.24	15.63	16.00
DC-HSDPA Subtest-4	15.43	15.25	15.17	16.00
HSUPA Subtest-1	14.45	14.51	14.54	15.50
HSUPA Subtest-2	14.38	13.77	13.94	14.50
HSUPA Subtest-3	15.19	14.95	15.13	15.50
HSUPA Subtest-4	13.84	13.47	13.79	14.50
HSUPA Subtest-5	15.19	15.16	14.87	16.50
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
RMC 12.2Kbps	17.73	17.59	**17.84**	18.50
HSDPA Subtest-1	17.51	17.38	17.47	18.00
HSDPA Subtest-2	**17.76**	17.45	17.63	18.00
HSDPA Subtest-3	17.07	16.87	17.05	17.50
HSDPA Subtest-4	17.26	17.07	17.26	17.50
DC-HSDPA Subtest-1	17.51	17.38	17.47	18.00
DC-HSDPA Subtest-2	**17.76**	17.45	17.63	18.00
DC-HSDPA Subtest-3	17.07	16.87	17.05	17.50
DC-HSDPA Subtest-4	17.26	17.07	17.26	17.50
HSUPA Subtest-1	15.93	15.86	16.22	17.00
HSUPA Subtest-2	15.41	15.43	15.52	16.00
HSUPA Subtest-3	16.58	16.54	16.48	17.00
HSUPA Subtest-4	15.01	15.15	15.12	16.00
HSUPA Subtest-5	16.56	16.43	16.71	18.00
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
RMC 12.2Kbps	**23**	22.85	22.85	24.30
HSDPA Subtest-1	22.97	22.91	22.81	23.00
HSDPA Subtest-2	22.96	22.91	22.81	23.00
HSDPA Subtest-3	22.46	22.39	22.29	22.50
HSDPA Subtest-4	**22.46**	22.39	22.32	22.50
DC-HSDPA Subtest-1	**22.94**	22.76	22.48	23.00
DC-HSDPA Subtest-2	22.72	22.81	22.71	23.00
DC-HSDPA Subtest-3	22.22	22.06	22.04	22.50
DC-HSDPA Subtest-4	**22.33**	22.14	22.14	22.50
HSUPA Subtest-1	22.20	22.01	22.17	23.50
HSUPA Subtest-2	20.98	21.04	20.85	21.50
HSUPA Subtest-3	21.80	21.99	21.80	22.50
HSUPA Subtest-4	20.50	20.51	20.32	21.50
HSUPA Subtest-5	21.87	21.75	21.77	23.50

WCDMA-Level 4-UAT				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
RMC 12.2Kbps	**20.42**	20.18	20.32	21.00
HSDPA Subtest-1	19.98	19.83	20.02	20.50
HSDPA Subtest-2	20.14	20.18	20.18	20.50
HSDPA Subtest-3	19.75	19.66	19.55	20.00
HSDPA Subtest-4	19.91	19.31	19.50	20.00
DC-HSDPA Subtest-1	19.60	19.67	19.88	20.50
DC-HSDPA Subtest-2	19.87	19.85	**19.91**	20.50
DC-HSDPA Subtest-3	19.71	19.36	19.23	20.00
DC-HSDPA Subtest-4	19.58	19.28	19.36	20.00
HSUPA Subtest-1	18.69	18.56	18.61	19.50
HSUPA Subtest-2	18.33	18.19	18.00	18.50
HSUPA Subtest-3	19.11	19.04	19.27	19.50
HSUPA Subtest-4	17.91	17.65	17.49	18.50
HSUPA Subtest-5	19.14	18.91	19.23	20.50
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
RMC 12.2Kbps	21.39	21.34	**21.41**	22.00
HSDPA Subtest-1	21.24	20.94	21.22	21.50
HSDPA Subtest-2	21.14	21.07	**21.39**	21.50
HSDPA Subtest-3	20.56	20.59	20.82	21.00
HSDPA Subtest-4	20.63	20.64	20.65	21.00
DC-HSDPA Subtest-1	21.15	20.61	21.03	21.50
DC-HSDPA Subtest-2	20.78	20.97	**21.19**	21.50
DC-HSDPA Subtest-3	20.54	20.57	20.69	21.00
DC-HSDPA Subtest-4	20.38	20.44	20.41	21.00
HSUPA Subtest-1	19.48	19.48	19.83	20.50
HSUPA Subtest-2	19.03	19.19	19.19	19.50
HSUPA Subtest-3	20.37	20.03	20.43	20.50
HSUPA Subtest-4	18.58	18.64	18.78	19.50
HSUPA Subtest-5	20.09	20.15	20.25	21.50
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
RMC 12.2Kbps	**23**	22.85	22.85	24.30
HSDPA Subtest-1	22.97	22.91	22.81	23.00
HSDPA Subtest-2	22.96	22.91	22.81	23.00
HSDPA Subtest-3	22.46	22.39	22.29	22.50
HSDPA Subtest-4	**22.46**	22.39	22.32	22.50
DC-HSDPA Subtest-1	**22.94**	22.76	22.48	23.00
DC-HSDPA Subtest-2	22.72	22.81	22.71	23.00
DC-HSDPA Subtest-3	22.22	22.06	22.04	22.50
DC-HSDPA Subtest-4	**22.33**	22.14	22.14	22.50
HSUPA Subtest-1	22.20	22.01	22.17	23.50
HSUPA Subtest-2	20.98	21.04	20.85	21.50
HSUPA Subtest-3	21.80	21.99	21.80	22.50
HSUPA Subtest-4	20.50	20.51	20.32	21.50
HSUPA Subtest-5	21.87	21.75	21.77	23.50

WCDMA-Level 5/6-UAT				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
RMC 12.2Kbps	**19.58**	19.29	19.51	20.00
HSDPA Subtest-1	18.99	19.04	**19.08**	19.50
HSDPA Subtest-2	19.02	18.93	19.04	19.50
HSDPA Subtest-3	18.89	18.54	18.61	19.00
HSDPA Subtest-4	18.57	18.29	18.44	19.00
DC-HSDPA Subtest-1	18.67	**18.9**	18.82	19.50
DC-HSDPA Subtest-2	18.65	18.83	18.77	19.50
DC-HSDPA Subtest-3	18.76	18.50	18.29	19.00
DC-HSDPA Subtest-4	18.35	18.07	18.06	19.00
HSUPA Subtest-1	17.67	17.45	17.61	18.50
HSUPA Subtest-2	17.42	16.95	17.01	17.50
HSUPA Subtest-3	18.09	18.19	18.13	18.50
HSUPA Subtest-4	16.94	16.59	16.89	17.50
HSUPA Subtest-5	18.21	18.15	18.36	19.50
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
RMC 12.2Kbps	20.41	20.37	**20.42**	21.00
HSDPA Subtest-1	**20.24**	20.23	20.18	20.50
HSDPA Subtest-2	20.02	19.99	20.10	20.50
HSDPA Subtest-3	19.49	19.75	19.83	20.00
HSDPA Subtest-4	19.64	19.59	19.67	20.00
DC-HSDPA Subtest-1	**20.19**	19.92	19.80	20.50
DC-HSDPA Subtest-2	19.81	19.88	19.81	20.50
DC-HSDPA Subtest-3	19.14	19.72	19.55	20.00
DC-HSDPA Subtest-4	19.29	19.55	19.58	20.00
HSUPA Subtest-1	18.67	18.69	18.61	19.50
HSUPA Subtest-2	18.40	17.99	18.36	18.50
HSUPA Subtest-3	19.12	18.92	19.35	19.50
HSUPA Subtest-4	17.52	17.61	17.96	18.50
HSUPA Subtest-5	19.04	19.16	19.40	20.50
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
RMC 12.2Kbps	**23**	22.85	22.85	24.30
HSDPA Subtest-1	22.97	22.91	22.81	23.00
HSDPA Subtest-2	22.96	22.91	22.81	23.00
HSDPA Subtest-3	22.46	22.39	22.29	22.50
HSDPA Subtest-4	**22.46**	22.39	22.32	22.50
DC-HSDPA Subtest-1	**22.94**	22.76	22.48	23.00
DC-HSDPA Subtest-2	22.72	22.81	22.71	23.00
DC-HSDPA Subtest-3	22.22	22.06	22.04	22.50
DC-HSDPA Subtest-4	**22.33**	22.14	22.14	22.50
HSUPA Subtest-1	22.20	22.01	22.17	23.50
HSUPA Subtest-2	20.98	21.04	20.85	21.50
HSUPA Subtest-3	21.80	21.99	21.80	22.50
HSUPA Subtest-4	20.50	20.51	20.32	21.50
HSUPA Subtest-5	21.87	21.75	21.77	23.50

WCDMA-Full Powe-DAT				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
RMC 12.2Kbps	**22.5**	22.16	22.36	24.00
HSDPA Subtest-1	22.43	22.11	**22.36**	23.00
HSDPA Subtest-2	**22.46**	22.16	22.21	23.00
HSDPA Subtest-3	21.95	21.58	21.78	22.50
HSDPA Subtest-4	21.97	21.59	21.75	22.50
DC-HSDPA Subtest-1	**22.17**	22.06	22.06	23.00
DC-HSDPA Subtest-2	22.10	**22.1**	22.08	23.00
DC-HSDPA Subtest-3	21.66	21.26	21.51	22.50
DC-HSDPA Subtest-4	21.87	21.57	21.51	22.50
HSUPA Subtest-1	21.91	21.55	21.70	23.50
HSUPA Subtest-2	20.52	20.19	20.32	21.50
HSUPA Subtest-3	21.48	21.18	21.32	22.50
HSUPA Subtest-4	20.02	19.73	19.84	21.50
HSUPA Subtest-5	21.57	21.53	21.57	23.50
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
RMC 12.2Kbps	23.24	23.14	**23.32**	24.00
HSDPA Subtest-1	22.60	22.56	22.50	23.00
HSDPA Subtest-2	22.49	**22.7**	22.60	23.00
HSDPA Subtest-3	22.31	22.15	22.10	22.50
HSDPA Subtest-4	22.32	22.20	22.39	22.50
DC-HSDPA Subtest-1	**22.65**	22.51	22.43	23.00
DC-HSDPA Subtest-2	22.49	22.58	22.60	23.00
DC-HSDPA Subtest-3	22.22	22.03	22.24	22.50
DC-HSDPA Subtest-4	22.18	22.21	22.23	22.50
HSUPA Subtest-1	22.05	22.02	21.97	23.50
HSUPA Subtest-2	21.49	21.31	21.38	21.50
HSUPA Subtest-3	22.14	22.26	22.39	22.50
HSUPA Subtest-4	20.94	20.78	20.80	21.50
HSUPA Subtest-5	22.36	22.28	22.42	23.50
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
RMC 12.2Kbps	**23.46**	23.34	23.26	24.30
HSDPA Subtest-1	22.78	22.73	22.70	23.00
HSDPA Subtest-2	**22.84**	22.61	22.68	23.00
HSDPA Subtest-3	22.35	22.26	22.26	22.50
HSDPA Subtest-4	22.41	22.31	22.32	22.50
DC-HSDPA Subtest-1	22.43	**22.6**	22.28	23.00
DC-HSDPA Subtest-2	22.40	22.52	22.29	23.00
DC-HSDPA Subtest-3	22.22	22.15	22.25	22.50
DC-HSDPA Subtest-4	22.16	22.29	22.08	22.50
HSUPA Subtest-1	22.29	22.18	22.36	23.50
HSUPA Subtest-2	21.22	21.40	21.33	21.50
HSUPA Subtest-3	22.45	22.42	22.41	22.50
HSUPA Subtest-4	20.92	20.95	20.83	21.50
HSUPA Subtest-5	22.21	22.36	22.47	23.50

WCDMA-Level 1-DAT				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
RMC 12.2Kbps	**22.5**	22.16	22.36	24.00
HSDPA Subtest-1	22.43	22.11	**22.36**	23.00
HSDPA Subtest-2	**22.46**	22.16	22.21	23.00
HSDPA Subtest-3	21.95	21.58	21.78	22.50
HSDPA Subtest-4	21.97	21.59	21.75	22.50
DC-HSDPA Subtest-1	**22.17**	22.06	22.06	23.00
DC-HSDPA Subtest-2	22.10	**22.1**	22.08	23.00
DC-HSDPA Subtest-3	21.66	21.26	21.51	22.50
DC-HSDPA Subtest-4	21.87	21.57	21.51	22.50
HSUPA Subtest-1	21.91	21.55	21.70	23.50
HSUPA Subtest-2	20.52	20.19	20.32	21.50
HSUPA Subtest-3	21.48	21.18	21.32	22.50
HSUPA Subtest-4	20.02	19.73	19.84	21.50
HSUPA Subtest-5	21.57	21.53	21.57	23.50
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
RMC 12.2Kbps	23.24	23.14	**23.32**	24.00
HSDPA Subtest-1	22.60	22.56	22.50	23.00
HSDPA Subtest-2	22.49	**22.7**	22.60	23.00
HSDPA Subtest-3	22.31	22.15	22.10	22.50
HSDPA Subtest-4	22.32	22.20	22.39	22.50
DC-HSDPA Subtest-1	**22.65**	22.51	22.43	23.00
DC-HSDPA Subtest-2	22.49	22.58	22.60	23.00
DC-HSDPA Subtest-3	22.22	22.03	22.24	22.50
DC-HSDPA Subtest-4	22.18	22.21	22.23	22.50
HSUPA Subtest-1	22.05	22.02	21.97	23.50
HSUPA Subtest-2	21.49	21.31	21.38	21.50
HSUPA Subtest-3	22.14	22.26	22.39	22.50
HSUPA Subtest-4	20.94	20.78	20.80	21.50
HSUPA Subtest-5	22.36	22.28	22.42	23.50
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
RMC 12.2Kbps	**23.46**	23.34	23.26	24.30
HSDPA Subtest-1	22.78	22.73	22.70	23.00
HSDPA Subtest-2	**22.84**	22.61	22.68	23.00
HSDPA Subtest-3	22.35	22.26	22.26	22.50
HSDPA Subtest-4	22.41	22.31	22.32	22.50
DC-HSDPA Subtest-1	22.43	**22.6**	22.28	23.00
DC-HSDPA Subtest-2	22.40	22.52	22.29	23.00
DC-HSDPA Subtest-3	22.22	22.15	22.25	22.50
DC-HSDPA Subtest-4	22.16	22.29	22.08	22.50
HSUPA Subtest-1	22.29	22.18	22.36	23.50
HSUPA Subtest-2	21.22	21.40	21.33	21.50
HSUPA Subtest-3	22.45	22.42	22.41	22.50
HSUPA Subtest-4	20.92	20.95	20.83	21.50
HSUPA Subtest-5	22.21	22.36	22.47	23.50

WCDMA-Level 2/3-DAT				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
RMC 12.2Kbps	**22.5**	22.16	22.36	24.00
HSDPA Subtest-1	22.43	22.11	**22.36**	23.00
HSDPA Subtest-2	**22.46**	22.16	22.21	23.00
HSDPA Subtest-3	21.95	21.58	21.78	22.50
HSDPA Subtest-4	21.97	21.59	21.75	22.50
DC-HSDPA Subtest-1	**22.17**	22.06	22.06	23.00
DC-HSDPA Subtest-2	22.10	**22.1**	22.08	23.00
DC-HSDPA Subtest-3	21.66	21.26	21.51	22.50
DC-HSDPA Subtest-4	21.87	21.57	21.51	22.50
HSUPA Subtest-1	21.91	21.55	21.70	23.50
HSUPA Subtest-2	20.52	20.19	20.32	21.50
HSUPA Subtest-3	21.48	21.18	21.32	22.50
HSUPA Subtest-4	20.02	19.73	19.84	21.50
HSUPA Subtest-5	21.57	21.53	21.57	23.50
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
RMC 12.2Kbps	23.24	23.14	**23.32**	24.00
HSDPA Subtest-1	22.60	22.56	22.50	23.00
HSDPA Subtest-2	22.49	**22.7**	22.60	23.00
HSDPA Subtest-3	22.31	22.15	22.10	22.50
HSDPA Subtest-4	22.32	22.20	22.39	22.50
DC-HSDPA Subtest-1	**22.65**	22.51	22.43	23.00
DC-HSDPA Subtest-2	22.49	22.58	22.60	23.00
DC-HSDPA Subtest-3	22.22	22.03	22.24	22.50
DC-HSDPA Subtest-4	22.18	22.21	22.23	22.50
HSUPA Subtest-1	22.05	22.02	21.97	23.50
HSUPA Subtest-2	21.49	21.31	21.38	21.50
HSUPA Subtest-3	22.14	22.26	22.39	22.50
HSUPA Subtest-4	20.94	20.78	20.80	21.50
HSUPA Subtest-5	22.36	22.28	22.42	23.50
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
RMC 12.2Kbps	**23.46**	23.34	23.26	24.30
HSDPA Subtest-1	22.78	22.73	22.70	23.00
HSDPA Subtest-2	**22.84**	22.61	22.68	23.00
HSDPA Subtest-3	22.35	22.26	22.26	22.50
HSDPA Subtest-4	22.41	22.31	22.32	22.50
DC-HSDPA Subtest-1	22.43	**22.6**	22.28	23.00
DC-HSDPA Subtest-2	22.40	22.52	22.29	23.00
DC-HSDPA Subtest-3	22.22	22.15	22.25	22.50
DC-HSDPA Subtest-4	22.16	22.29	22.08	22.50
HSUPA Subtest-1	22.29	22.18	22.36	23.50
HSUPA Subtest-2	21.22	21.40	21.33	21.50
HSUPA Subtest-3	22.45	22.42	22.41	22.50
HSUPA Subtest-4	20.92	20.95	20.83	21.50
HSUPA Subtest-5	22.21	22.36	22.47	23.50

WCDMA-Level 4-DAT				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
RMC 12.2Kbps	**20.39**	20.10	20.23	21.00
HSDPA Subtest-1	20.22	20.13	20.25	20.50
HSDPA Subtest-2	20.06	20.12	19.97	20.50
HSDPA Subtest-3	19.77	19.61	19.66	20.00
HSDPA Subtest-4	19.53	19.58	19.50	20.00
DC-HSDPA Subtest-1	19.84	20.04	**20.29**	20.50
DC-HSDPA Subtest-2	20.02	19.78	20.17	20.50
DC-HSDPA Subtest-3	19.59	19.44	19.86	20.00
DC-HSDPA Subtest-4	19.46	19.17	19.74	20.00
HSUPA Subtest-1	17.69	17.87	17.88	19.50
HSUPA Subtest-2	18.21	18.14	18.16	18.50
HSUPA Subtest-3	19.26	19.11	18.99	19.50
HSUPA Subtest-4	17.56	17.69	17.79	18.50
HSUPA Subtest-5	18.97	19.09	19.13	20.50
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
RMC 12.2Kbps	20.10	20.02	**20.13**	21.00
HSDPA Subtest-1	20.04	20.02	20.08	20.50
HSDPA Subtest-2	20.07	20.03	20.08	20.50
HSDPA Subtest-3	19.93	19.81	19.63	20.00
HSDPA Subtest-4	19.55	19.71	19.90	20.00
DC-HSDPA Subtest-1	19.91	19.84	**20.36**	20.50
DC-HSDPA Subtest-2	20.00	19.81	20.34	20.50
DC-HSDPA Subtest-3	19.73	19.59	19.83	20.00
DC-HSDPA Subtest-4	19.60	19.88	19.73	20.00
HSUPA Subtest-1	18.03	17.96	17.91	19.50
HSUPA Subtest-2	18.20	18.23	18.36	18.50
HSUPA Subtest-3	19.30	19.25	19.36	19.50
HSUPA Subtest-4	17.83	17.73	17.64	18.50
HSUPA Subtest-5	19.41	19.22	19.06	20.50
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
RMC 12.2Kbps	**23.46**	23.34	23.26	24.30
HSDPA Subtest-1	22.78	22.73	22.70	23.00
HSDPA Subtest-2	**22.84**	22.61	22.68	23.00
HSDPA Subtest-3	22.35	22.26	22.26	22.50
HSDPA Subtest-4	22.41	22.31	22.32	22.50
DC-HSDPA Subtest-1	22.43	**22.6**	22.28	23.00
DC-HSDPA Subtest-2	22.40	22.52	22.29	23.00
DC-HSDPA Subtest-3	22.22	22.15	22.25	22.50
DC-HSDPA Subtest-4	22.16	22.29	22.08	22.50
HSUPA Subtest-1	22.29	22.18	22.36	23.50
HSUPA Subtest-2	21.22	21.40	21.33	21.50
HSUPA Subtest-3	22.45	22.42	22.41	22.50
HSUPA Subtest-4	20.92	20.95	20.83	21.50
HSUPA Subtest-5	22.21	22.36	22.47	23.50

WCDMA-Level 5/6-DAT				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
RMC 12.2Kbps	**19.42**	19.10	19.26	20.00
HSDPA Subtest-1	19.00	19.07	18.95	19.50
HSDPA Subtest-2	19.05	19.16	19.11	19.50
HSDPA Subtest-3	18.52	18.56	18.48	19.00
HSDPA Subtest-4	18.72	18.59	18.52	19.00
DC-HSDPA Subtest-1	18.74	18.85	18.64	19.50
DC-HSDPA Subtest-2	18.96	18.80	**19.02**	19.50
DC-HSDPA Subtest-3	18.26	18.33	18.30	19.00
DC-HSDPA Subtest-4	18.57	18.48	18.46	19.00
HSUPA Subtest-1	16.82	16.96	17.08	18.50
HSUPA Subtest-2	17.35	17.25	17.24	17.50
HSUPA Subtest-3	18.39	18.22	18.10	18.50
HSUPA Subtest-4	16.74	16.75	16.81	17.50
HSUPA Subtest-5	17.99	18.17	18.36	19.50
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
RMC 12.2Kbps	19.21	19.08	**19.26**	20.00
HSDPA Subtest-1	19.18	19.20	19.05	19.50
HSDPA Subtest-2	19.24	19.23	19.11	19.50
HSDPA Subtest-3	18.87	18.72	18.57	19.00
HSDPA Subtest-4	18.65	18.75	18.90	19.00
DC-HSDPA Subtest-1	18.85	19.03	18.94	19.50
DC-HSDPA Subtest-2	**19.2**	18.89	18.91	19.50
DC-HSDPA Subtest-3	18.61	18.59	18.48	19.00
DC-HSDPA Subtest-4	18.34	18.72	18.72	19.00
HSUPA Subtest-1	16.73	16.92	16.82	18.50
HSUPA Subtest-2	17.25	17.20	17.11	17.50
HSUPA Subtest-3	18.17	18.18	18.17	18.50
HSUPA Subtest-4	16.79	16.73	16.92	17.50
HSUPA Subtest-5	18.10	18.16	18.23	19.50
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
RMC 12.2Kbps	**22.48**	22.36	22.29	23.30
HSDPA Subtest-1	22.24	22.23	22.18	22.50
HSDPA Subtest-2	22.23	**22.36**	22.12	22.50
HSDPA Subtest-3	21.87	21.82	21.90	22.00
HSDPA Subtest-4	21.85	21.80	21.95	22.00
DC-HSDPA Subtest-1	21.98	21.85	22.00	22.50
DC-HSDPA Subtest-2	22.01	**22.05**	21.88	22.50
DC-HSDPA Subtest-3	21.75	21.67	21.67	22.00
DC-HSDPA Subtest-4	21.54	21.46	21.71	22.00
HSUPA Subtest-1	20.22	20.14	20.28	21.50
HSUPA Subtest-2	20.24	20.38	20.44	20.50
HSUPA Subtest-3	21.45	21.43	21.44	21.50
HSUPA Subtest-4	20.00	20.03	19.73	20.50
HSUPA Subtest-5	21.24	21.36	21.61	22.50

8.3 LTE Output Power

LTE B2-Full Power -UAT

Bandwidth (MHz)	RB Size	RB offest	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.49	23.34	23.39	24.00
		MID	QPSK	23.52	23.42	23.45	24.00
		HIGH	QPSK	23.45	23.35	23.38	24.00
	3	LOW	QPSK	23.58	23.43	23.52	24.00
		MID	QPSK	**23.60**	23.48	23.56	24.00
		HIGH	QPSK	23.59	23.46	23.53	24.00
	6	LOW	QPSK	22.64	22.54	22.54	23.00
1.4	1	LOW	Q16	22.58	22.74	22.41	23.00
		MID	Q16	22.63	**22.76**	22.47	23.00
		HIGH	Q16	22.56	22.70	22.42	23.00
	3	LOW	Q16	22.61	22.61	22.60	23.00
		MID	Q16	22.60	22.60	22.66	23.00
		HIGH	Q16	22.63	22.60	22.62	23.00
	6	LOW	Q16	21.88	21.51	21.79	22.50
1.4	1	LOW	64QAM	22.09	**22.32**	21.72	22.50
		MID	64QAM	22.14	22.20	21.97	22.50
		HIGH	64QAM	22.01	22.00	21.79	22.50
	3	LOW	64QAM	21.61	21.42	21.65	22.50
		MID	64QAM	21.64	21.50	21.59	22.50
		HIGH	64QAM	21.45	21.33	21.42	22.50
	6	LOW	64QAM	20.87	20.53	20.82	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	23.34	23.29	23.29	24.00
		MID	QPSK	**23.41**	23.33	23.40	24.00
		HIGH	QPSK	23.38	23.30	23.27	24.00
	8	LOW	QPSK	22.63	22.48	22.54	23.00
		MID	QPSK	22.68	22.55	22.57	23.00
		HIGH	QPSK	22.59	22.52	22.50	23.00
	15	LOW	QPSK	22.56	22.48	22.52	23.00
3	1	LOW	Q16	22.31	22.64	22.32	23.00
		MID	Q16	22.37	**22.76**	22.42	23.00
		HIGH	Q16	22.31	22.68	22.32	23.00
	8	LOW	Q16	21.78	21.66	21.63	22.50
		MID	Q16	21.82	21.69	21.66	22.50
		HIGH	Q16	21.75	21.59	21.59	22.50
	15	LOW	Q16	21.64	21.52	21.49	22.50
3	1	LOW	64QAM	21.79	21.90	21.84	22.50
		MID	64QAM	21.72	**22.25**	21.86	22.50
		HIGH	64QAM	21.81	22.01	21.68	22.50
	8	LOW	64QAM	20.70	20.61	20.45	21.50
		MID	64QAM	20.53	20.77	20.49	21.50
		HIGH	64QAM	20.46	20.33	20.42	21.50
	15	LOW	64QAM	20.44	20.41	20.33	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	23.64	23.52	23.54	24.00
		MID	QPSK	**23.78**	23.67	23.68	24.00
		HIGH	QPSK	23.62	23.55	23.56	24.00
	12	LOW	QPSK	22.59	22.55	22.62	23.00
		MID	QPSK	22.74	22.60	22.66	23.00
		HIGH	QPSK	22.67	22.53	22.59	23.00
	25	LOW	QPSK	22.65	22.56	22.60	23.00
5	1	LOW	Q16	22.78	22.72	22.63	23.00
		MID	Q16	**22.89**	22.78	22.75	23.00
		HIGH	Q16	22.79	**22.89**	22.67	23.00
	12	LOW	Q16	21.75	21.72	21.69	22.50
		MID	Q16	21.87	21.82	21.77	22.50
		HIGH	Q16	21.83	21.73	21.67	22.50
	25	LOW	Q16	21.78	21.65	21.62	22.50
5	1	LOW	64QAM	22.07	22.07	21.86	22.50
		MID	64QAM	22.26	21.99	22.26	22.50
		HIGH	64QAM	**22.32**	22.17	22.15	22.50
	12	LOW	64QAM	20.56	20.59	20.56	21.50
		MID	64QAM	20.93	20.79	20.70	21.50
		HIGH	64QAM	20.62	20.57	20.46	21.50
	25	LOW	64QAM	20.56	20.68	20.65	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	23.68	23.59	23.61	24.00
		MID	QPSK	**23.74**	23.64	23.66	24.00
		HIGH	QPSK	23.72	23.59	23.67	24.00
	25	LOW	QPSK	22.64	22.53	22.64	23.00
		MID	QPSK	22.76	22.64	22.66	23.00
		HIGH	QPSK	22.79	22.54	22.58	23.00
	50	LOW	QPSK	22.74	22.56	22.58	23.00
10	1	LOW	Q16	22.61	22.95	22.64	23.00
		MID	Q16	22.69	**22.99**	22.66	23.00
		HIGH	Q16	22.65	22.97	22.64	23.00
	25	LOW	Q16	21.71	21.62	21.74	22.50
		MID	Q16	21.85	21.71	21.77	22.50
		HIGH	Q16	21.82	21.64	21.67	22.50
	50	LOW	Q16	21.73	21.60	21.58	22.50
10	1	LOW	64QAM	22.14	22.33	21.85	22.50
		MID	64QAM	22.18	**22.40**	21.90	22.50
		HIGH	64QAM	21.94	22.26	22.10	22.50
	25	LOW	64QAM	20.68	20.46	20.47	21.50
		MID	64QAM	20.71	20.56	20.63	21.50
		HIGH	64QAM	20.64	20.47	20.41	21.50
	50	LOW	64QAM	20.49	20.67	20.49	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	23.63	23.52	23.56	24.00
		MID	QPSK	**23.75**	23.68	23.67	24.00
		HIGH	QPSK	23.65	23.48	23.58	24.00
	36	LOW	QPSK	22.68	22.58	22.58	23.00
		MID	QPSK	22.73	22.62	22.67	23.00
		HIGH	QPSK	22.70	22.56	22.60	23.00
	75	LOW	QPSK	22.75	22.64	22.66	23.00
15	1	LOW	Q16	22.57	22.53	22.50	23.00
		MID	Q16	**22.69**	22.61	22.61	23.00
		HIGH	Q16	22.60	22.48	22.52	23.00
	36	LOW	Q16	21.69	21.67	21.61	22.50
		MID	Q16	21.79	21.70	21.65	22.50
		HIGH	Q16	21.74	21.66	21.62	22.50
	75	LOW	Q16	21.75	21.65	21.62	22.50
15	1	LOW	64QAM	22.10	21.81	21.96	22.50
		MID	64QAM	22.02	22.17	**22.19**	22.50
		HIGH	64QAM	22.13	22.04	21.85	22.50
	36	LOW	64QAM	20.40	20.63	20.46	21.50
		MID	64QAM	20.82	20.60	20.36	21.50
		HIGH	64QAM	20.73	20.70	20.34	21.50
	75	LOW	64QAM	20.74	20.37	20.56	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	23.52	23.52	23.38	24.00
		MID	QPSK	**23.81**	23.69	23.68	24.00
		HIGH	QPSK	23.56	23.53	23.49	24.00
	50	LOW	QPSK	22.66	22.57	22.56	23.00
		MID	QPSK	22.75	22.63	22.69	23.00
		HIGH	QPSK	22.74	22.54	22.56	23.00
	100	LOW	QPSK	22.67	22.54	22.57	23.00
20	1	LOW	Q16	22.61	22.50	22.37	23.00
		MID	Q16	**22.90**	22.69	22.63	23.00
		HIGH	Q16	22.65	22.45	22.45	23.00
	50	LOW	Q16	21.75	21.63	21.61	22.50
		MID	Q16	21.86	21.69	21.67	22.50
		HIGH	Q16	21.80	21.58	21.55	22.50
	100	LOW	Q16	21.75	21.58	21.59	22.50
20	1	LOW	64QAM	21.85	21.75	21.94	22.50
		MID	64QAM	**22.43**	22.21	22.15	22.50
		HIGH	64QAM	22.11	21.77	21.69	22.50
	50	LOW	64QAM	20.55	20.41	20.61	21.50
		MID	64QAM	20.61	20.75	20.55	21.50
		HIGH	64QAM	20.55	20.37	20.61	21.50
	100	LOW	64QAM	20.65	20.32	20.31	21.50

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Bandwidth (MHz)	RB Size	RB offest	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	17.50	17.37	17.44	18.00
		MID	QPSK	17.59	17.44	17.49	18.00
		HIGH	QPSK	17.52	17.40	17.43	18.00
	3	LOW	QPSK	17.61	17.49	17.51	18.00
		MID	QPSK	17.64	17.53	17.49	18.00
		HIGH	QPSK	17.63	17.48	17.53	18.00
	6	LOW	QPSK	**17.70**	17.57	17.62	18.00
1.4	1	LOW	Q16	17.59	17.73	17.41	18.00
		MID	Q16	17.67	17.78	17.48	18.00
		HIGH	Q16	17.62	17.70	17.43	18.00
	3	LOW	Q16	17.62	17.66	17.62	18.00
		MID	Q16	17.64	17.64	17.66	18.00
		HIGH	Q16	17.62	17.61	17.63	18.00
	6	LOW	Q16	**17.84**	17.48	17.77	18.00
1.4	1	LOW	64QAM	17.21	17.49	17.28	18.00
		MID	64QAM	17.61	17.41	17.09	18.00
		HIGH	64QAM	17.41	**17.67**	17.36	18.00
	3	LOW	64QAM	17.34	17.56	17.46	18.00
		MID	64QAM	17.28	17.32	17.31	18.00
		HIGH	64QAM	17.31	17.22	17.34	18.00
	6	LOW	64QAM	17.55	17.23	17.62	18.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	17.39	17.29	17.29	18.00
		MID	QPSK	17.52	17.40	17.51	18.00
		HIGH	QPSK	17.37	17.29	17.37	18.00
	8	LOW	QPSK	17.67	17.55	17.57	18.00
		MID	QPSK	**17.68**	17.59	17.61	18.00
		HIGH	QPSK	17.62	17.54	17.52	18.00
	15	LOW	QPSK	17.59	17.46	17.53	18.00
3	1	LOW	Q16	17.33	17.67	17.33	18.00
		MID	Q16	17.41	**17.77**	17.42	18.00
		HIGH	Q16	17.29	17.67	17.33	18.00
	8	LOW	Q16	17.71	17.59	17.58	18.00
		MID	Q16	**17.77**	17.66	17.64	18.00
		HIGH	Q16	17.71	17.58	17.58	18.00
	15	LOW	Q16	17.58	17.46	17.47	18.00
3	1	LOW	64QAM	17.23	17.65	16.95	18.00
		MID	64QAM	17.21	17.59	17.15	18.00
		HIGH	64QAM	17.14	17.37	17.14	18.00
	8	LOW	64QAM	**17.68**	17.31	17.19	18.00
		MID	64QAM	17.48	17.36	17.29	18.00
		HIGH	64QAM	17.49	17.55	17.57	18.00
	15	LOW	64QAM	17.24	17.45	17.30	18.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	17.68	17.57	17.58	18.00
		MID	QPSK	**17.83**	17.67	17.73	18.00
		HIGH	QPSK	17.67	17.56	17.60	18.00
	12	LOW	QPSK	17.64	17.56	17.62	18.00
		MID	QPSK	17.73	17.62	17.69	18.00
		HIGH	QPSK	17.71	17.54	17.60	18.00
	25	LOW	QPSK	17.66	17.53	17.63	18.00
5	1	LOW	Q16	17.81	17.60	17.67	18.00
		MID	Q16	**17.98**	17.75	17.77	18.00
		HIGH	Q16	17.82	17.61	17.70	18.00
	12	LOW	Q16	17.69	17.67	17.63	18.00
		MID	Q16	17.80	17.71	17.71	18.00
		HIGH	Q16	17.76	17.67	17.59	18.00
	25	LOW	Q16	17.69	17.63	17.56	18.00
5	1	LOW	64QAM	**17.80**	17.37	17.37	18.00
		MID	64QAM	17.63	17.54	17.59	18.00
		HIGH	64QAM	17.43	17.57	17.56	18.00
	12	LOW	64QAM	17.66	17.49	17.33	18.00
		MID	64QAM	17.46	17.36	17.66	18.00
		HIGH	64QAM	17.61	17.50	17.44	18.00
	25	LOW	64QAM	17.38	17.35	17.19	18.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	17.73	17.64	17.70	18.00
		MID	QPSK	17.75	17.69	**17.79**	18.00
		HIGH	QPSK	17.77	17.62	17.70	18.00
	25	LOW	QPSK	17.63	17.58	17.65	18.00
		MID	QPSK	17.76	17.65	17.68	18.00
		HIGH	QPSK	17.73	17.59	17.55	18.00
	50	LOW	QPSK	17.70	17.59	17.62	18.00
10	1	LOW	Q16	17.67	17.96	17.67	18.00
		MID	Q16	17.70	17.82	17.71	18.00
		HIGH	Q16	17.65	**17.97**	17.69	18.00
	25	LOW	Q16	17.67	17.60	17.71	18.00
		MID	Q16	17.79	17.65	17.74	18.00
		HIGH	Q16	17.77	17.59	17.64	18.00
	50	LOW	Q16	17.67	17.54	17.58	18.00
10	1	LOW	64QAM	17.64	17.57	17.33	18.00
		MID	64QAM	17.61	17.63	17.50	18.00
		HIGH	64QAM	17.34	**17.78**	17.54	18.00
	25	LOW	64QAM	17.32	17.49	17.40	18.00
		MID	64QAM	17.70	17.47	17.64	18.00
		HIGH	64QAM	17.76	17.53	17.34	18.00
	50	LOW	64QAM	17.60	17.28	17.49	18.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	17.65	17.59	17.61	18.00
		MID	QPSK	17.81	17.72	17.74	18.00
		HIGH	QPSK	17.69	17.56	17.64	18.00
	36	LOW	QPSK	17.67	17.62	17.65	18.00
		MID	QPSK	**17.82**	17.66	17.73	18.00
		HIGH	QPSK	17.80	17.61	17.67	18.00
	75	LOW	QPSK	17.79	17.62	17.67	18.00
15	1	LOW	Q16	17.56	17.92	**17.95**	18.00
		MID	Q16	17.72	17.63	17.68	18.00
		HIGH	Q16	17.61	17.89	17.94	18.00
	36	LOW	Q16	17.65	17.67	17.60	18.00
		MID	Q16	17.77	17.70	17.69	18.00
		HIGH	Q16	17.74	17.60	17.61	18.00
	75	LOW	Q16	17.74	17.64	17.62	18.00
15	1	LOW	64QAM	17.54	17.58	**17.89**	18.00
		MID	64QAM	17.54	17.41	17.33	18.00
		HIGH	64QAM	17.33	17.83	17.81	18.00
	36	LOW	64QAM	17.45	17.38	17.57	18.00
		MID	64QAM	17.44	17.57	17.63	18.00
		HIGH	64QAM	17.47	17.53	17.28	18.00
	75	LOW	64QAM	17.63	17.50	17.43	18.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	17.59	17.53	17.45	18.00
		MID	QPSK	**17.83**	17.75	17.74	18.00
		HIGH	QPSK	17.62	17.55	17.56	18.00
	50	LOW	QPSK	17.68	17.58	17.55	18.00
		MID	QPSK	17.78	17.66	17.70	18.00
		HIGH	QPSK	17.74	17.55	17.58	18.00
	100	LOW	QPSK	17.70	17.56	17.59	18.00
20	1	LOW	Q16	17.65	17.54	17.41	18.00
		MID	Q16	**17.92**	17.73	17.71	18.00
		HIGH	Q16	17.70	17.48	17.49	18.00
	50	LOW	Q16	17.68	17.62	17.53	18.00
		MID	Q16	17.80	17.66	17.64	18.00
		HIGH	Q16	17.71	17.52	17.51	18.00
	100	LOW	Q16	17.74	17.55	17.55	18.00
20	1	LOW	64QAM	17.53	17.40	17.25	18.00
		MID	64QAM	**17.72**	17.45	17.59	18.00
		HIGH	64QAM	17.65	17.26	17.12	18.00
	50	LOW	64QAM	17.31	17.35	17.37	18.00
		MID	64QAM	17.57	17.37	17.56	18.00
		HIGH	64QAM	17.65	17.17	17.15	18.00
	100	LOW	64QAM	17.67	17.40	17.51	18.00

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Bandwidth (MHz)	RB Size	RB offest	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	16.46	16.36	16.42	17.00
		MID	QPSK	16.54	16.42	16.49	17.00
		HIGH	QPSK	16.48	16.38	16.40	17.00
	3	LOW	QPSK	16.56	16.44	16.50	17.00
		MID	QPSK	16.60	16.49	16.50	17.00
		HIGH	QPSK	16.57	16.47	16.52	17.00
	6	LOW	QPSK	**16.68**	16.56	16.61	17.00
1.4	1	LOW	Q16	16.60	16.79	16.38	17.00
		MID	Q16	16.66	16.77	16.47	17.00
		HIGH	Q16	16.61	16.76	16.42	17.00
	3	LOW	Q16	16.62	16.66	16.63	17.00
		MID	Q16	16.63	16.65	16.69	17.00
		HIGH	Q16	16.62	16.65	16.67	17.00
	6	LOW	Q16	**16.81**	16.45	16.71	17.00
1.4	1	LOW	64QAM	16.43	16.46	16.36	17.00
		MID	64QAM	16.41	16.48	16.10	17.00
		HIGH	64QAM	16.35	16.50	16.34	17.00
	3	LOW	64QAM	16.39	16.46	16.26	17.00
		MID	64QAM	16.43	16.28	16.60	17.00
		HIGH	64QAM	16.57	16.32	16.40	17.00
	6	LOW	64QAM	**16.72**	16.36	16.39	17.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	16.36	16.28	16.33	17.00
		MID	QPSK	16.42	16.38	16.44	17.00
		HIGH	QPSK	16.35	16.30	16.33	17.00
	8	LOW	QPSK	16.65	16.51	16.55	17.00
		MID	QPSK	**16.67**	16.58	16.60	17.00
		HIGH	QPSK	16.61	16.51	16.54	17.00
	15	LOW	QPSK	16.59	16.44	16.51	17.00
3	1	LOW	Q16	16.31	16.63	16.31	17.00
		MID	Q16	16.42	**16.74**	16.41	17.00
		HIGH	Q16	16.27	16.66	16.30	17.00
	8	LOW	Q16	16.71	16.60	16.57	17.00
		MID	Q16	**16.74**	16.64	16.63	17.00
		HIGH	Q16	16.71	16.55	16.52	17.00
	15	LOW	Q16	16.60	16.48	16.43	17.00
3	1	LOW	64QAM	16.16	16.44	16.19	17.00
		MID	64QAM	16.23	16.64	16.38	17.00
		HIGH	64QAM	16.08	16.33	16.28	17.00
	8	LOW	64QAM	16.40	16.56	16.43	17.00
		MID	64QAM	16.48	16.49	16.31	17.00
		HIGH	64QAM	**16.65**	16.27	16.41	17.00
	15	LOW	64QAM	16.29	16.29	16.07	17.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	16.63	16.55	16.59	17.00
		MID	QPSK	**16.77**	16.65	16.69	17.00
		HIGH	QPSK	16.62	16.54	16.58	17.00
	12	LOW	QPSK	16.60	16.48	16.56	17.00
		MID	QPSK	16.70	16.55	16.65	17.00
		HIGH	QPSK	16.68	16.51	16.56	17.00
	25	LOW	QPSK	16.60	16.52	16.58	17.00
5	1	LOW	Q16	16.80	16.82	16.62	17.00
		MID	Q16	16.92	16.81	16.79	17.00
		HIGH	Q16	16.83	**16.99**	16.69	17.00
	12	LOW	Q16	16.66	16.65	16.60	17.00
		MID	Q16	16.78	16.74	16.71	17.00
		HIGH	Q16	16.74	16.66	16.58	17.00
	25	LOW	Q16	16.71	16.60	16.57	17.00
5	1	LOW	64QAM	16.41	16.68	16.41	17.00
		MID	64QAM	16.69	16.74	16.67	17.00
		HIGH	64QAM	16.49	**16.90**	16.48	17.00
	12	LOW	64QAM	16.43	16.58	16.22	17.00
		MID	64QAM	16.59	16.45	16.35	17.00
		HIGH	64QAM	16.70	16.37	16.34	17.00
	25	LOW	64QAM	16.32	16.38	16.50	17.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	16.70	16.61	16.64	17.00
		MID	QPSK	16.73	16.66	16.72	17.00
		HIGH	QPSK	16.71	16.57	16.66	17.00
	25	LOW	QPSK	16.58	16.53	16.59	17.00
		MID	QPSK	**16.77**	16.59	16.61	17.00
		HIGH	QPSK	16.72	16.56	16.53	17.00
	50	LOW	QPSK	16.68	16.51	16.55	17.00
10	1	LOW	Q16	16.65	**16.88**	16.65	17.00
		MID	Q16	16.68	16.86	16.70	17.00
		HIGH	Q16	16.68	16.81	16.66	17.00
	25	LOW	Q16	16.66	16.61	16.67	17.00
		MID	Q16	16.76	16.63	16.72	17.00
		HIGH	Q16	16.79	16.62	16.63	17.00
	50	LOW	Q16	16.69	16.57	16.54	17.00
10	1	LOW	64QAM	16.36	**16.87**	16.51	17.00
		MID	64QAM	16.31	16.70	16.58	17.00
		HIGH	64QAM	16.54	16.58	16.30	17.00
	25	LOW	64QAM	16.32	16.46	16.38	17.00
		MID	64QAM	16.51	16.43	16.44	17.00
		HIGH	64QAM	16.58	16.27	16.54	17.00
	50	LOW	64QAM	16.57	16.26	16.38	17.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	16.62	16.52	16.57	17.00
		MID	QPSK	16.75	16.66	16.68	17.00
		HIGH	QPSK	16.61	16.51	16.60	17.00
	36	LOW	QPSK	16.70	16.59	16.66	17.00
		MID	QPSK	**16.76**	16.66	16.73	17.00
		HIGH	QPSK	16.74	16.59	16.65	17.00
	75	LOW	QPSK	16.75	16.62	16.68	17.00
15	1	LOW	Q16	16.61	16.89	**16.97**	17.00
		MID	Q16	16.70	16.63	16.68	17.00
		HIGH	Q16	16.59	16.88	**16.97**	17.00
	36	LOW	Q16	16.65	16.63	16.57	17.00
		MID	Q16	16.79	16.69	16.63	17.00
		HIGH	Q16	16.73	16.60	16.58	17.00
	75	LOW	Q16	16.73	16.58	16.61	17.00
15	1	LOW	64QAM	16.49	16.68	**16.74**	17.00
		MID	64QAM	16.33	16.42	16.54	17.00
		HIGH	64QAM	16.33	16.68	16.72	17.00
	36	LOW	64QAM	16.26	16.39	16.22	17.00
		MID	64QAM	16.67	16.38	16.50	17.00
		HIGH	64QAM	16.37	16.25	16.35	17.00
	75	LOW	64QAM	16.36	16.25	16.26	17.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	16.55	16.50	16.37	17.00
		MID	QPSK	**16.76**	16.70	16.68	17.00
		HIGH	QPSK	16.54	16.49	16.48	17.00
	50	LOW	QPSK	16.59	16.54	16.56	17.00
		MID	QPSK	16.73	16.60	16.63	17.00
		HIGH	QPSK	16.69	16.47	16.52	17.00
	100	LOW	QPSK	16.67	16.53	16.54	17.00
20	1	LOW	Q16	16.65	16.57	16.34	17.00
		MID	Q16	**16.90**	16.79	16.66	17.00
		HIGH	Q16	16.66	16.54	16.46	17.00
	50	LOW	Q16	16.64	16.57	16.47	17.00
		MID	Q16	16.77	16.61	16.63	17.00
		HIGH	Q16	16.71	16.52	16.45	17.00
	100	LOW	Q16	16.71	16.54	16.52	17.00
20	1	LOW	64QAM	16.56	16.42	16.02	17.00
		MID	64QAM	16.69	16.60	16.34	17.00
		HIGH	64QAM	16.56	16.41	16.21	17.00
	50	LOW	64QAM	16.51	16.56	16.34	17.00
		MID	64QAM	16.56	16.41	16.39	17.00
		HIGH	64QAM	**16.70**	16.48	16.19	17.00
	100	LOW	64QAM	16.66	16.17	16.31	17.00

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Bandwidth (MHz)	RB Size	RB offest	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	20.56	20.40	20.46	21.00
		MID	QPSK	20.60	20.47	20.50	21.00
		HIGH	QPSK	20.56	20.41	20.45	21.00
	3	LOW	QPSK	20.66	20.49	20.50	21.00
		MID	QPSK	20.69	20.53	20.56	21.00
		HIGH	QPSK	20.67	20.48	20.52	21.00
	6	LOW	QPSK	**20.73**	20.59	20.65	21.00
1.4	1	LOW	Q16	20.59	20.49	20.83	21.00
		MID	Q16	20.63	20.60	20.86	21.00
		HIGH	Q16	20.59	20.52	20.83	21.00
	3	LOW	Q16	20.79	20.55	20.69	21.00
		MID	Q16	20.85	20.56	20.70	21.00
		HIGH	Q16	20.86	20.54	20.69	21.00
	6	LOW	Q16	**20.89**	20.73	20.56	21.00
1.4	1	LOW	64QAM	20.28	20.42	20.49	21.00
		MID	64QAM	20.51	20.22	20.74	21.00
		HIGH	64QAM	20.28	20.22	**20.76**	21.00
	3	LOW	64QAM	20.64	20.40	20.47	21.00
		MID	64QAM	20.71	20.25	20.32	21.00
		HIGH	64QAM	20.65	20.43	20.33	21.00
	6	LOW	64QAM	20.70	20.43	20.48	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	20.43	20.36	20.35	21.00
		MID	QPSK	20.50	20.45	20.48	21.00
		HIGH	QPSK	20.42	20.33	20.39	21.00
	8	LOW	QPSK	20.68	20.57	20.57	21.00
		MID	QPSK	**20.71**	20.61	20.64	21.00
		HIGH	QPSK	20.64	20.55	20.56	21.00
	15	LOW	QPSK	20.63	20.52	20.58	21.00
3	1	LOW	Q16	20.38	20.74	20.37	21.00
		MID	Q16	20.48	20.78	20.50	21.00
		HIGH	Q16	20.38	20.72	20.41	21.00
	8	LOW	Q16	20.79	20.65	20.62	21.00
		MID	Q16	**20.83**	20.69	20.70	21.00
		HIGH	Q16	20.75	20.61	20.60	21.00
	15	LOW	Q16	20.65	20.49	20.49	21.00
3	1	LOW	64QAM	20.05	20.52	20.10	21.00
		MID	64QAM	20.38	20.75	20.48	21.00
		HIGH	64QAM	19.99	20.44	20.20	21.00
	8	LOW	64QAM	20.53	20.54	20.60	21.00
		MID	64QAM	**20.82**	20.42	20.47	21.00
		HIGH	64QAM	20.52	20.36	20.54	21.00
	15	LOW	64QAM	20.45	20.14	20.10	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	20.68	20.60	20.57	21.00
		MID	QPSK	**20.85**	20.75	20.76	21.00
		HIGH	QPSK	20.67	20.61	20.59	21.00
	12	LOW	QPSK	20.65	20.55	20.65	21.00
		MID	QPSK	20.77	20.63	20.72	21.00
		HIGH	QPSK	20.72	20.57	20.64	21.00
	25	LOW	QPSK	20.68	20.58	20.64	21.00
5	1	LOW	Q16	20.51	20.69	20.37	21.00
		MID	Q16	20.63	20.81	20.48	21.00
		HIGH	Q16	20.50	20.67	20.40	21.00
	12	LOW	Q16	20.79	20.72	20.67	21.00
		MID	Q16	**20.84**	20.77	20.75	21.00
		HIGH	Q16	20.76	20.71	20.67	21.00
	25	LOW	Q16	20.76	20.67	20.63	21.00
5	1	LOW	64QAM	20.13	20.44	20.24	21.00
		MID	64QAM	20.26	20.65	20.37	21.00
		HIGH	64QAM	20.48	20.32	20.13	21.00
	12	LOW	64QAM	**20.73**	20.63	20.51	21.00
		MID	64QAM	20.53	20.40	20.36	21.00
		HIGH	64QAM	20.44	20.42	20.62	21.00
	25	LOW	64QAM	20.50	20.52	20.35	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	20.74	20.64	20.68	21.00
		MID	QPSK	20.77	20.73	20.75	21.00
		HIGH	QPSK	20.79	20.65	20.73	21.00
	25	LOW	QPSK	20.65	20.56	20.64	21.00
		MID	QPSK	20.79	20.69	20.67	21.00
		HIGH	QPSK	**20.80**	20.60	20.58	21.00
	50	LOW	QPSK	20.72	20.57	20.61	21.00
10	1	LOW	Q16	20.31	20.63	20.34	21.00
		MID	Q16	20.36	20.68	20.38	21.00
		HIGH	Q16	20.38	20.62	20.31	21.00
	25	LOW	Q16	20.70	20.64	20.74	21.00
		MID	Q16	**20.88**	20.71	20.79	21.00
		HIGH	Q16	20.84	20.66	20.69	21.00
	50	LOW	Q16	20.73	20.60	20.63	21.00
10	1	LOW	64QAM	20.17	20.58	20.15	21.00
		MID	64QAM	20.22	20.50	20.18	21.00
		HIGH	64QAM	20.13	20.24	20.07	21.00
	25	LOW	64QAM	20.47	20.52	20.50	21.00
		MID	64QAM	20.52	20.46	20.61	21.00
		HIGH	64QAM	20.57	20.39	20.37	21.00
	50	LOW	64QAM	**20.62**	20.58	20.55	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	20.67	20.60	20.62	21.00
		MID	QPSK	**20.82**	20.72	20.74	21.00
		HIGH	QPSK	20.70	20.59	20.63	21.00
	36	LOW	QPSK	20.70	20.63	20.66	21.00
		MID	QPSK	20.79	20.71	20.71	21.00
		HIGH	QPSK	20.76	20.60	20.70	21.00
	75	LOW	QPSK	20.78	20.65	20.71	21.00
15	1	LOW	Q16	20.29	20.58	20.68	21.00
		MID	Q16	20.37	20.72	**20.81**	21.00
		HIGH	Q16	20.26	20.57	20.68	21.00
	36	LOW	Q16	20.70	20.66	20.62	21.00
		MID	Q16	20.78	20.70	20.67	21.00
		HIGH	Q16	20.77	20.67	20.61	21.00
	75	LOW	Q16	20.75	20.64	20.63	21.00
15	1	LOW	64QAM	20.09	20.20	20.62	21.00
		MID	64QAM	20.12	20.41	20.62	21.00
		HIGH	64QAM	20.02	20.20	20.31	21.00
	36	LOW	64QAM	**20.69**	20.54	20.31	21.00
		MID	64QAM	20.40	20.51	20.42	21.00
		HIGH	64QAM	20.64	20.30	20.42	21.00
	75	LOW	64QAM	20.54	20.34	20.24	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	20.63	20.56	20.46	21.00
		MID	QPSK	**20.86**	20.76	20.74	21.00
		HIGH	QPSK	20.62	20.55	20.59	21.00
	50	LOW	QPSK	20.68	20.58	20.61	21.00
		MID	QPSK	20.80	20.69	20.69	21.00
		HIGH	QPSK	20.77	20.56	20.61	21.00
	100	LOW	QPSK	20.72	20.58	20.60	21.00
20	1	LOW	Q16	20.83	20.76	20.86	21.00
		MID	Q16	20.76	20.65	**20.94**	21.00
		HIGH	Q16	20.88	20.83	20.88	21.00
	50	LOW	Q16	20.73	20.66	20.58	21.00
		MID	Q16	20.82	20.69	20.67	21.00
		HIGH	Q16	20.77	20.61	20.55	21.00
	100	LOW	Q16	20.76	20.61	20.60	21.00
20	1	LOW	64QAM	20.79	20.56	20.68	21.00
		MID	64QAM	20.49	20.48	**20.84**	21.00
		HIGH	64QAM	20.63	20.49	20.50	21.00
	50	LOW	64QAM	20.34	20.60	20.53	21.00
		MID	64QAM	20.48	20.44	20.51	21.00
		HIGH	64QAM	20.46	20.45	20.41	21.00
	100	LOW	64QAM	20.54	20.45	20.25	21.00

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Bandwidth (MHz)	RB Size	RB offest	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	19.57	19.46	19.46	20.00
		MID	QPSK	19.61	19.51	19.57	20.00
		HIGH	QPSK	19.56	19.46	19.51	20.00
	3	LOW	QPSK	19.68	19.52	19.56	20.00
		MID	QPSK	19.68	19.57	19.60	20.00
		HIGH	QPSK	19.66	19.55	19.57	20.00
	6	LOW	QPSK	**19.75**	19.64	19.68	20.00
1.4	1	LOW	Q16	19.67	19.84	19.48	20.00
		MID	Q16	19.75	19.85	19.54	20.00
		HIGH	Q16	19.73	19.79	19.51	20.00
	3	LOW	Q16	19.71	19.71	19.68	20.00
		MID	Q16	19.70	19.71	19.71	20.00
		HIGH	Q16	19.72	19.70	19.68	20.00
	6	LOW	Q16	**19.90**	19.52	19.83	20.00
1.4	1	LOW	64QAM	19.56	19.74	19.37	20.00
		MID	64QAM	19.60	19.49	19.33	20.00
		HIGH	64QAM	19.62	19.74	19.42	20.00
	3	LOW	64QAM	19.46	19.47	19.60	20.00
		MID	64QAM	19.37	19.58	19.66	20.00
		HIGH	64QAM	19.50	19.41	19.57	20.00
	6	LOW	64QAM	**19.87**	19.41	19.61	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	19.42	19.36	19.40	20.00
		MID	QPSK	19.50	19.41	19.52	20.00
		HIGH	QPSK	19.41	19.36	19.45	20.00
	8	LOW	QPSK	19.73	19.59	19.64	20.00
		MID	QPSK	**19.76**	19.63	19.69	20.00
		HIGH	QPSK	19.70	19.60	19.62	20.00
	15	LOW	QPSK	19.66	19.54	19.63	20.00
3	1	LOW	Q16	19.38	19.72	19.42	20.00
		MID	Q16	19.47	**19.86**	19.49	20.00
		HIGH	Q16	19.40	19.73	19.40	20.00
	8	LOW	Q16	19.80	19.65	19.64	20.00
		MID	Q16	19.85	19.68	19.68	20.00
		HIGH	Q16	19.77	19.62	19.63	20.00
	15	LOW	Q16	19.66	19.53	19.52	20.00
3	1	LOW	64QAM	19.24	19.58	19.21	20.00
		MID	64QAM	19.43	19.61	19.45	20.00
		HIGH	64QAM	19.20	19.38	19.31	20.00
	8	LOW	64QAM	19.55	19.62	19.59	20.00
		MID	64QAM	19.73	19.38	19.60	20.00
		HIGH	64QAM	**19.74**	19.29	19.28	20.00
	15	LOW	64QAM	19.29	19.24	19.42	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	19.77	19.62	19.68	20.00
		MID	QPSK	**19.92**	19.72	19.82	20.00
		HIGH	QPSK	19.75	19.62	19.68	20.00
	12	LOW	QPSK	19.68	19.62	19.65	20.00
		MID	QPSK	19.80	19.67	19.78	20.00
		HIGH	QPSK	19.79	19.61	19.69	20.00
	25	LOW	QPSK	19.72	19.62	19.68	20.00
5	1	LOW	Q16	19.51	19.66	19.33	20.00
		MID	Q16	19.62	19.83	19.52	20.00
		HIGH	Q16	19.54	19.71	19.40	20.00
	12	LOW	Q16	19.80	19.70	19.71	20.00
		MID	Q16	**19.90**	19.81	19.78	20.00
		HIGH	Q16	19.86	19.74	19.68	20.00
	25	LOW	Q16	19.83	19.69	19.64	20.00
5	1	LOW	64QAM	19.45	19.49	19.20	20.00
		MID	64QAM	19.34	19.52	19.42	20.00
		HIGH	64QAM	19.46	19.33	19.01	20.00
	12	LOW	64QAM	**19.69**	19.31	19.46	20.00
		MID	64QAM	19.66	19.56	19.52	20.00
		HIGH	64QAM	19.59	19.48	19.35	20.00
	25	LOW	64QAM	19.56	19.64	19.26	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	19.77	19.70	19.72	20.00
		MID	QPSK	19.83	19.77	19.80	20.00
		HIGH	QPSK	19.82	19.73	19.78	20.00
	25	LOW	QPSK	19.70	19.64	19.70	20.00
		MID	QPSK	**19.84**	19.67	19.72	20.00
		HIGH	QPSK	19.80	19.65	19.64	20.00
	50	LOW	QPSK	19.81	19.66	19.68	20.00
10	1	LOW	Q16	19.33	19.67	19.31	20.00
		MID	Q16	19.40	19.73	19.38	20.00
		HIGH	Q16	19.37	19.67	19.34	20.00
	25	LOW	Q16	19.74	19.69	19.78	20.00
		MID	Q16	**19.89**	19.73	19.80	20.00
		HIGH	Q16	19.86	19.68	19.70	20.00
	50	LOW	Q16	19.74	19.64	19.66	20.00
10	1	LOW	64QAM	19.21	19.55	19.04	20.00
		MID	64QAM	19.19	19.61	19.25	20.00
		HIGH	64QAM	19.34	19.57	19.00	20.00
	25	LOW	64QAM	19.70	19.60	19.69	20.00
		MID	64QAM	19.54	19.44	**19.76**	20.00
		HIGH	64QAM	19.60	19.50	19.33	20.00
	50	LOW	64QAM	19.44	19.33	19.29	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	19.71	19.62	19.67	20.00
		MID	QPSK	**19.86**	19.74	19.78	20.00
		HIGH	QPSK	19.73	19.64	19.68	20.00
	36	LOW	QPSK	19.77	19.66	19.66	20.00
		MID	QPSK	19.85	19.73	19.77	20.00
		HIGH	QPSK	19.81	19.67	19.67	20.00
	75	LOW	QPSK	19.81	19.66	19.72	20.00
15	1	LOW	Q16	19.26	19.60	19.68	20.00
		MID	Q16	19.37	19.73	19.79	20.00
		HIGH	Q16	19.32	19.56	19.65	20.00
	36	LOW	Q16	19.73	19.75	19.61	20.00
		MID	Q16	**19.83**	19.74	19.72	20.00
		HIGH	Q16	19.81	19.72	19.65	20.00
	75	LOW	Q16	19.79	19.70	19.67	20.00
15	1	LOW	64QAM	19.14	19.53	19.64	20.00
		MID	64QAM	19.16	19.57	19.66	20.00
		HIGH	64QAM	19.20	19.40	19.28	20.00
	36	LOW	64QAM	19.65	19.68	19.42	20.00
		MID	64QAM	19.56	19.54	19.45	20.00
		HIGH	64QAM	19.69	**19.69**	19.34	20.00
	75	LOW	64QAM	19.61	19.66	19.46	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	19.67	19.60	19.49	20.00
		MID	QPSK	**19.90**	19.81	19.79	20.00
		HIGH	QPSK	19.67	19.62	19.62	20.00
	50	LOW	QPSK	19.72	19.67	19.66	20.00
		MID	QPSK	19.81	19.72	19.75	20.00
		HIGH	QPSK	19.78	19.62	19.66	20.00
	100	LOW	QPSK	19.75	19.64	19.65	20.00
20	1	LOW	Q16	19.74	19.93	19.87	20.00
		MID	Q16	19.84	19.91	19.85	20.00
		HIGH	Q16	19.96	19.91	**19.99**	20.00
	50	LOW	Q16	19.76	19.68	19.57	20.00
		MID	Q16	19.83	19.72	19.69	20.00
		HIGH	Q16	19.81	19.62	19.60	20.00
	100	LOW	Q16	19.79	19.60	19.61	20.00
20	1	LOW	64QAM	19.64	**19.92**	19.76	20.00
		MID	64QAM	19.50	19.75	19.73	20.00
		HIGH	64QAM	19.73	19.73	19.91	20.00
	50	LOW	64QAM	19.48	19.45	19.22	20.00
		MID	64QAM	19.63	19.49	19.55	20.00
		HIGH	64QAM	19.66	19.40	19.22	20.00
	100	LOW	64QAM	19.62	19.39	19.28	20.00

LTE B2-Full Power DAT

Bandwidth (MHz)	RB Size	RB offest	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.22	23.14	23.13	24.00
		MID	QPSK	23.30	23.18	23.19	24.00
		HIGH	QPSK	23.26	23.13	23.09	24.00
	3	LOW	QPSK	**23.41**	23.23	23.26	24.00
		MID	QPSK	**23.41**	23.26	23.27	24.00
		HIGH	QPSK	23.37	23.24	23.26	24.00
	6	LOW	QPSK	22.44	22.31	22.28	23.00
1.4	1	LOW	Q16	22.33	22.49	22.15	23.00
		MID	Q16	22.42	**22.51**	22.19	23.00
		HIGH	Q16	22.36	22.49	22.14	23.00
	3	LOW	Q16	22.40	22.38	22.33	23.00
		MID	Q16	22.43	22.39	22.36	23.00
		HIGH	Q16	22.40	22.38	22.34	23.00
	6	LOW	Q16	21.64	21.31	21.53	22.50
1.4	1	LOW	64QAM	21.75	21.97	21.64	22.50
		MID	64QAM	21.65	**21.98**	21.72	22.50
		HIGH	64QAM	21.81	21.75	21.56	22.50
	3	LOW	64QAM	21.47	21.23	21.05	22.50
		MID	64QAM	21.29	21.43	21.26	22.50
		HIGH	64QAM	21.14	21.23	21.43	22.50
	6	LOW	64QAM	20.44	20.07	20.41	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	23.14	23.06	23.05	24.00
		MID	QPSK	**23.16**	23.13	23.14	24.00
		HIGH	QPSK	23.15	23.05	23.07	24.00
	8	LOW	QPSK	22.39	22.27	22.27	23.00
		MID	QPSK	22.45	22.33	22.31	23.00
		HIGH	QPSK	22.36	22.28	22.25	23.00
	15	LOW	QPSK	22.37	22.25	22.28	23.00
3	1	LOW	Q16	22.07	22.41	22.10	23.00
		MID	Q16	22.16	**22.50**	22.16	23.00
		HIGH	Q16	22.07	22.43	22.05	23.00
	8	LOW	Q16	21.58	21.39	21.38	22.50
		MID	Q16	21.62	21.45	21.41	22.50
		HIGH	Q16	21.51	21.40	21.34	22.50
	15	LOW	Q16	21.46	21.27	21.24	22.50
3	1	LOW	64QAM	21.55	21.70	21.48	22.50
		MID	64QAM	21.41	**21.89**	21.50	22.50
		HIGH	64QAM	21.40	21.76	21.36	22.50
	8	LOW	64QAM	20.53	20.36	20.22	21.50
		MID	64QAM	20.62	20.51	20.35	21.50
		HIGH	64QAM	20.37	20.37	20.33	21.50
	15	LOW	64QAM	20.39	20.22	20.23	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	23.39	23.31	23.26	24.00
		MID	QPSK	**23.53**	23.39	23.41	24.00
		HIGH	QPSK	23.39	23.29	23.28	24.00
	12	LOW	QPSK	22.42	22.27	22.28	23.00
		MID	QPSK	22.50	22.36	22.35	23.00
		HIGH	QPSK	22.46	22.31	22.31	23.00
	25	LOW	QPSK	22.40	22.30	22.35	23.00
5	1	LOW	Q16	22.58	22.75	22.38	23.00
		MID	Q16	22.72	**22.90**	22.48	23.00
		HIGH	Q16	22.58	22.77	22.36	23.00
	12	LOW	Q16	21.54	21.43	21.40	22.50
		MID	Q16	21.59	21.51	21.46	22.50
		HIGH	Q16	21.58	21.47	21.40	22.50
	25	LOW	Q16	21.52	21.42	21.34	22.50
5	1	LOW	64QAM	21.87	22.03	21.67	22.50
		MID	64QAM	22.00	**22.24**	22.01	22.50
		HIGH	64QAM	22.06	22.16	21.75	22.50
	12	LOW	64QAM	20.59	20.16	20.25	21.50
		MID	64QAM	20.45	20.49	20.47	21.50
		HIGH	64QAM	20.48	20.33	20.43	21.50
	25	LOW	64QAM	20.24	20.23	20.23	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	23.45	23.33	23.37	24.00
		MID	QPSK	**23.49**	23.38	23.43	24.00
		HIGH	QPSK	23.48	23.31	23.37	24.00
	25	LOW	QPSK	22.42	22.29	22.32	23.00
		MID	QPSK	22.53	22.36	22.41	23.00
		HIGH	QPSK	22.48	22.27	22.33	23.00
	50	LOW	QPSK	22.48	22.33	22.32	23.00
10	1	LOW	Q16	22.42	22.69	22.36	23.00
		MID	Q16	22.40	**22.75**	22.40	23.00
		HIGH	Q16	22.40	22.65	22.35	23.00
	25	LOW	Q16	21.45	21.36	21.51	22.50
		MID	Q16	21.62	21.45	21.49	22.50
		HIGH	Q16	21.57	21.38	21.47	22.50
	50	LOW	Q16	21.48	21.37	21.38	22.50
10	1	LOW	64QAM	21.68	**22.27**	21.76	22.50
		MID	64QAM	21.90	22.20	21.77	22.50
		HIGH	64QAM	21.70	22.06	21.91	22.50
	25	LOW	64QAM	20.26	20.11	20.36	21.50
		MID	64QAM	20.69	20.30	20.45	21.50
		HIGH	64QAM	20.66	20.24	20.40	21.50
	50	LOW	64QAM	20.50	20.21	20.21	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	23.35	23.30	23.30	24.00
		MID	QPSK	**23.51**	23.38	23.40	24.00
		HIGH	QPSK	23.39	23.24	23.31	24.00
	36	LOW	QPSK	22.42	22.32	22.30	23.00
		MID	QPSK	22.55	22.37	22.39	23.00
		HIGH	QPSK	22.48	22.31	22.33	23.00
	75	LOW	QPSK	22.48	22.35	22.37	23.00
15	1	LOW	Q16	22.32	22.65	22.66	23.00
		MID	Q16	22.44	22.75	**22.77**	23.00
		HIGH	Q16	22.33	22.60	22.62	23.00
	36	LOW	Q16	21.47	21.42	21.32	22.50
		MID	Q16	21.54	21.45	21.42	22.50
		HIGH	Q16	21.51	21.40	21.37	22.50
	75	LOW	Q16	21.52	21.40	21.35	22.50
15	1	LOW	64QAM	22.10	21.81	21.96	22.50
		MID	64QAM	22.02	22.17	**22.19**	22.50
		HIGH	64QAM	22.13	22.04	21.85	22.50
	36	LOW	64QAM	20.40	20.63	20.46	21.50
		MID	64QAM	20.82	20.60	20.36	21.50
		HIGH	64QAM	20.73	20.70	20.34	21.50
	75	LOW	64QAM	20.74	20.37	20.56	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	23.30	23.28	23.11	24.00
		MID	QPSK	**23.55**	23.48	23.39	24.00
		HIGH	QPSK	23.38	23.26	23.21	24.00
	50	LOW	QPSK	22.41	22.33	22.31	23.00
		MID	QPSK	22.52	22.40	22.39	23.00
		HIGH	QPSK	22.46	22.31	22.31	23.00
	100	LOW	QPSK	22.45	22.28	22.32	23.00
20	1	LOW	Q16	22.82	22.66	22.49	23.00
		MID	Q16	**22.88**	22.85	22.79	23.00
		HIGH	Q16	22.81	22.61	22.58	23.00
	50	LOW	Q16	21.52	21.35	21.30	22.50
		MID	Q16	21.58	21.41	21.38	22.50
		HIGH	Q16	21.55	21.35	21.31	22.50
	100	LOW	Q16	21.53	21.32	21.36	22.50
20	1	LOW	64QAM	22.27	21.89	21.98	22.50
		MID	64QAM	**22.39**	22.15	22.22	22.50
		HIGH	64QAM	22.24	22.16	22.09	22.50
	50	LOW	64QAM	20.28	20.44	20.09	21.50
		MID	64QAM	20.41	20.31	20.21	21.50
		HIGH	64QAM	20.42	20.39	20.26	21.50
	100	LOW	64QAM	20.57	20.20	20.18	21.50

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Bandwidth (MHz)	RB Size	RB offest	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.22	23.14	23.13	24.00
		MID	QPSK	23.30	23.18	23.19	24.00
		HIGH	QPSK	23.26	23.13	23.09	24.00
	3	LOW	QPSK	**23.41**	23.23	23.26	24.00
		MID	QPSK	**23.41**	23.26	23.27	24.00
		HIGH	QPSK	23.37	23.24	23.26	24.00
	6	LOW	QPSK	22.44	22.31	22.28	23.00
1.4	1	LOW	Q16	22.33	22.49	22.15	23.00
		MID	Q16	22.42	**22.51**	22.19	23.00
		HIGH	Q16	22.36	22.49	22.14	23.00
	3	LOW	Q16	22.40	22.38	22.33	23.00
		MID	Q16	22.43	22.39	22.36	23.00
		HIGH	Q16	22.40	22.38	22.34	23.00
	6	LOW	Q16	21.64	21.31	21.53	22.50
1.4	1	LOW	64QAM	21.75	21.97	21.64	22.50
		MID	64QAM	21.65	**21.98**	21.72	22.50
		HIGH	64QAM	21.81	21.75	21.56	22.50
	3	LOW	64QAM	21.47	21.23	21.05	22.50
		MID	64QAM	21.29	21.43	21.26	22.50
		HIGH	64QAM	21.14	21.23	21.43	22.50
	6	LOW	64QAM	20.44	20.07	20.41	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	23.14	23.06	23.05	24.00
		MID	QPSK	**23.16**	23.13	23.14	24.00
		HIGH	QPSK	23.15	23.05	23.07	24.00
	8	LOW	QPSK	22.39	22.27	22.27	23.00
		MID	QPSK	22.45	22.33	22.31	23.00
		HIGH	QPSK	22.36	22.28	22.25	23.00
	15	LOW	QPSK	22.37	22.25	22.28	23.00
3	1	LOW	Q16	22.07	22.41	22.10	23.00
		MID	Q16	22.16	**22.50**	22.16	23.00
		HIGH	Q16	22.07	22.43	22.05	23.00
	8	LOW	Q16	21.58	21.39	21.38	22.50
		MID	Q16	21.62	21.45	21.41	22.50
		HIGH	Q16	21.51	21.40	21.34	22.50
	15	LOW	Q16	21.46	21.27	21.24	22.50
3	1	LOW	64QAM	21.55	21.70	21.48	22.50
		MID	64QAM	21.41	**21.89**	21.50	22.50
		HIGH	64QAM	21.40	21.76	21.36	22.50
	8	LOW	64QAM	20.53	20.36	20.22	21.50
		MID	64QAM	20.62	20.51	20.35	21.50
		HIGH	64QAM	20.37	20.37	20.33	21.50
	15	LOW	64QAM	20.39	20.22	20.23	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	23.39	23.31	23.26	24.00
		MID	QPSK	**23.53**	23.39	23.41	24.00
		HIGH	QPSK	23.39	23.29	23.28	24.00
	12	LOW	QPSK	22.42	22.27	22.28	23.00
		MID	QPSK	22.50	22.36	22.35	23.00
		HIGH	QPSK	22.46	22.31	22.31	23.00
	25	LOW	QPSK	22.40	22.30	22.35	23.00
5	1	LOW	Q16	22.58	22.75	22.38	23.00
		MID	Q16	22.72	**22.90**	22.48	23.00
		HIGH	Q16	22.58	22.77	22.36	23.00
	12	LOW	Q16	21.54	21.43	21.40	22.50
		MID	Q16	21.59	21.51	21.46	22.50
		HIGH	Q16	21.58	21.47	21.40	22.50
	25	LOW	Q16	21.52	21.42	21.34	22.50
5	1	LOW	64QAM	21.87	22.03	21.67	22.50
		MID	64QAM	22.00	**22.24**	22.01	22.50
		HIGH	64QAM	22.06	22.16	21.75	22.50
	12	LOW	64QAM	20.59	20.16	20.25	21.50
		MID	64QAM	20.45	20.49	20.47	21.50
		HIGH	64QAM	20.48	20.33	20.43	21.50
	25	LOW	64QAM	20.24	20.23	20.23	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	23.45	23.33	23.37	24.00
		MID	QPSK	**23.49**	23.38	23.43	24.00
		HIGH	QPSK	23.48	23.31	23.37	24.00
	25	LOW	QPSK	22.42	22.29	22.32	23.00
		MID	QPSK	22.53	22.36	22.41	23.00
		HIGH	QPSK	22.48	22.27	22.33	23.00
	50	LOW	QPSK	22.48	22.33	22.32	23.00
10	1	LOW	Q16	22.42	22.69	22.36	23.00
		MID	Q16	22.40	**22.75**	22.40	23.00
		HIGH	Q16	22.40	22.65	22.35	23.00
	25	LOW	Q16	21.45	21.36	21.51	22.50
		MID	Q16	21.62	21.45	21.49	22.50
		HIGH	Q16	21.57	21.38	21.47	22.50
	50	LOW	Q16	21.48	21.37	21.38	22.50
10	1	LOW	64QAM	21.68	**22.27**	21.76	22.50
		MID	64QAM	21.90	22.20	21.77	22.50
		HIGH	64QAM	21.70	22.06	21.91	22.50
	25	LOW	64QAM	20.26	20.11	20.36	21.50
		MID	64QAM	20.69	20.30	20.45	21.50
		HIGH	64QAM	20.66	20.24	20.40	21.50
	50	LOW	64QAM	20.50	20.21	20.21	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	23.35	23.30	23.30	24.00
		MID	QPSK	**23.51**	23.38	23.40	24.00
		HIGH	QPSK	23.39	23.24	23.31	24.00
	36	LOW	QPSK	22.42	22.32	22.30	23.00
		MID	QPSK	22.55	22.37	22.39	23.00
		HIGH	QPSK	22.48	22.31	22.33	23.00
	75	LOW	QPSK	22.48	22.35	22.37	23.00
15	1	LOW	Q16	22.32	22.65	22.66	23.00
		MID	Q16	22.44	22.75	**22.77**	23.00
		HIGH	Q16	22.33	22.60	22.62	23.00
	36	LOW	Q16	21.47	21.42	21.32	22.50
		MID	Q16	21.54	21.45	21.42	22.50
		HIGH	Q16	21.51	21.40	21.37	22.50
	75	LOW	Q16	21.52	21.40	21.35	22.50
15	1	LOW	64QAM	22.10	21.81	21.96	22.50
		MID	64QAM	22.02	22.17	**22.19**	22.50
		HIGH	64QAM	22.13	22.04	21.85	22.50
	36	LOW	64QAM	20.40	20.63	20.46	21.50
		MID	64QAM	20.82	20.60	20.36	21.50
		HIGH	64QAM	20.73	20.70	20.34	21.50
	75	LOW	64QAM	20.74	20.37	20.56	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	23.30	23.28	23.11	24.00
		MID	QPSK	**23.55**	23.48	23.39	24.00
		HIGH	QPSK	23.38	23.26	23.21	24.00
	50	LOW	QPSK	22.41	22.33	22.31	23.00
		MID	QPSK	22.52	22.40	22.39	23.00
		HIGH	QPSK	22.46	22.31	22.31	23.00
	100	LOW	QPSK	22.45	22.28	22.32	23.00
20	1	LOW	Q16	22.82	22.66	22.49	23.00
		MID	Q16	**22.88**	22.85	22.79	23.00
		HIGH	Q16	22.81	22.61	22.58	23.00
	50	LOW	Q16	21.52	21.35	21.30	22.50
		MID	Q16	21.58	21.41	21.38	22.50
		HIGH	Q16	21.55	21.35	21.31	22.50
	100	LOW	Q16	21.53	21.32	21.36	22.50
20	1	LOW	64QAM	22.27	21.89	21.98	22.50
		MID	64QAM	**22.39**	22.15	22.22	22.50
		HIGH	64QAM	22.24	22.16	22.09	22.50
	50	LOW	64QAM	20.28	20.44	20.09	21.50
		MID	64QAM	20.41	20.31	20.21	21.50
		HIGH	64QAM	20.42	20.39	20.26	21.50
	100	LOW	64QAM	20.57	20.20	20.18	21.50

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Bandwidth (MHz)	RB Size	RB offest	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.22	23.14	23.13	24.00
		MID	QPSK	23.30	23.18	23.19	24.00
		HIGH	QPSK	23.26	23.13	23.09	24.00
	3	LOW	QPSK	**23.41**	23.23	23.26	24.00
		MID	QPSK	**23.41**	23.26	23.27	24.00
		HIGH	QPSK	23.37	23.24	23.26	24.00
	6	LOW	QPSK	22.44	22.31	22.28	23.00
1.4	1	LOW	Q16	22.33	22.49	22.15	23.00
		MID	Q16	22.42	**22.51**	22.19	23.00
		HIGH	Q16	22.36	22.49	22.14	23.00
	3	LOW	Q16	22.40	22.38	22.33	23.00
		MID	Q16	22.43	22.39	22.36	23.00
		HIGH	Q16	22.40	22.38	22.34	23.00
	6	LOW	Q16	21.64	21.31	21.53	22.50
1.4	1	LOW	64QAM	21.75	21.97	21.64	22.50
		MID	64QAM	21.65	**21.98**	21.72	22.50
		HIGH	64QAM	21.81	21.75	21.56	22.50
	3	LOW	64QAM	21.47	21.23	21.05	22.50
		MID	64QAM	21.29	21.43	21.26	22.50
		HIGH	64QAM	21.14	21.23	21.43	22.50
	6	LOW	64QAM	20.44	20.07	20.41	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	23.14	23.06	23.05	24.00
		MID	QPSK	**23.16**	23.13	23.14	24.00
		HIGH	QPSK	23.15	23.05	23.07	24.00
	8	LOW	QPSK	22.39	22.27	22.27	23.00
		MID	QPSK	22.45	22.33	22.31	23.00
		HIGH	QPSK	22.36	22.28	22.25	23.00
	15	LOW	QPSK	22.37	22.25	22.28	23.00
3	1	LOW	Q16	22.07	22.41	22.10	23.00
		MID	Q16	22.16	**22.50**	22.16	23.00
		HIGH	Q16	22.07	22.43	22.05	23.00
	8	LOW	Q16	21.58	21.39	21.38	22.50
		MID	Q16	21.62	21.45	21.41	22.50
		HIGH	Q16	21.51	21.40	21.34	22.50
	15	LOW	Q16	21.46	21.27	21.24	22.50
3	1	LOW	64QAM	21.55	21.70	21.48	22.50
		MID	64QAM	21.41	**21.89**	21.50	22.50
		HIGH	64QAM	21.40	21.76	21.36	22.50
	8	LOW	64QAM	20.53	20.36	20.22	21.50
		MID	64QAM	20.62	20.51	20.35	21.50
		HIGH	64QAM	20.37	20.37	20.33	21.50
	15	LOW	64QAM	20.39	20.22	20.23	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	23.39	23.31	23.26	24.00
		MID	QPSK	**23.53**	23.39	23.41	24.00
		HIGH	QPSK	23.39	23.29	23.28	24.00
	12	LOW	QPSK	22.42	22.27	22.28	23.00
		MID	QPSK	22.50	22.36	22.35	23.00
		HIGH	QPSK	22.46	22.31	22.31	23.00
	25	LOW	QPSK	22.40	22.30	22.35	23.00
5	1	LOW	Q16	22.58	22.75	22.38	23.00
		MID	Q16	22.72	**22.90**	22.48	23.00
		HIGH	Q16	22.58	22.77	22.36	23.00
	12	LOW	Q16	21.54	21.43	21.40	22.50
		MID	Q16	21.59	21.51	21.46	22.50
		HIGH	Q16	21.58	21.47	21.40	22.50
	25	LOW	Q16	21.52	21.42	21.34	22.50
5	1	LOW	64QAM	21.87	22.03	21.67	22.50
		MID	64QAM	22.00	**22.24**	22.01	22.50
		HIGH	64QAM	22.06	22.16	21.75	22.50
	12	LOW	64QAM	20.59	20.16	20.25	21.50
		MID	64QAM	20.45	20.49	20.47	21.50
		HIGH	64QAM	20.48	20.33	20.43	21.50
	25	LOW	64QAM	20.24	20.23	20.23	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	23.45	23.33	23.37	24.00
		MID	QPSK	**23.49**	23.38	23.43	24.00
		HIGH	QPSK	23.48	23.31	23.37	24.00
	25	LOW	QPSK	22.42	22.29	22.32	23.00
		MID	QPSK	22.53	22.36	22.41	23.00
		HIGH	QPSK	22.48	22.27	22.33	23.00
	50	LOW	QPSK	22.48	22.33	22.32	23.00
10	1	LOW	Q16	22.42	22.69	22.36	23.00
		MID	Q16	22.40	**22.75**	22.40	23.00
		HIGH	Q16	22.40	22.65	22.35	23.00
	25	LOW	Q16	21.45	21.36	21.51	22.50
		MID	Q16	21.62	21.45	21.49	22.50
		HIGH	Q16	21.57	21.38	21.47	22.50
	50	LOW	Q16	21.48	21.37	21.38	22.50
10	1	LOW	64QAM	21.68	**22.27**	21.76	22.50
		MID	64QAM	21.90	22.20	21.77	22.50
		HIGH	64QAM	21.70	22.06	21.91	22.50
	25	LOW	64QAM	20.26	20.11	20.36	21.50
		MID	64QAM	20.69	20.30	20.45	21.50
		HIGH	64QAM	20.66	20.24	20.40	21.50
	50	LOW	64QAM	20.50	20.21	20.21	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	23.35	23.30	23.30	24.00
		MID	QPSK	**23.51**	23.38	23.40	24.00
		HIGH	QPSK	23.39	23.24	23.31	24.00
	36	LOW	QPSK	22.42	22.32	22.30	23.00
		MID	QPSK	22.55	22.37	22.39	23.00
		HIGH	QPSK	22.48	22.31	22.33	23.00
	75	LOW	QPSK	22.48	22.35	22.37	23.00
15	1	LOW	Q16	22.32	22.65	22.66	23.00
		MID	Q16	22.44	22.75	**22.77**	23.00
		HIGH	Q16	22.33	22.60	22.62	23.00
	36	LOW	Q16	21.47	21.42	21.32	22.50
		MID	Q16	21.54	21.45	21.42	22.50
		HIGH	Q16	21.51	21.40	21.37	22.50
	75	LOW	Q16	21.52	21.40	21.35	22.50
15	1	LOW	64QAM	22.10	21.81	21.96	22.50
		MID	64QAM	22.02	22.17	**22.19**	22.50
		HIGH	64QAM	22.13	22.04	21.85	22.50
	36	LOW	64QAM	20.40	20.63	20.46	21.50
		MID	64QAM	20.82	20.60	20.36	21.50
		HIGH	64QAM	20.73	20.70	20.34	21.50
	75	LOW	64QAM	20.74	20.37	20.56	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	23.30	23.28	23.11	24.00
		MID	QPSK	**23.55**	23.48	23.39	24.00
		HIGH	QPSK	23.38	23.26	23.21	24.00
	50	LOW	QPSK	22.41	22.33	22.31	23.00
		MID	QPSK	22.52	22.40	22.39	23.00
		HIGH	QPSK	22.46	22.31	22.31	23.00
	100	LOW	QPSK	22.45	22.28	22.32	23.00
20	1	LOW	Q16	22.82	22.66	22.49	23.00
		MID	Q16	**22.88**	22.85	22.79	23.00
		HIGH	Q16	22.81	22.61	22.58	23.00
	50	LOW	Q16	21.52	21.35	21.30	22.50
		MID	Q16	21.58	21.41	21.38	22.50
		HIGH	Q16	21.55	21.35	21.31	22.50
	100	LOW	Q16	21.53	21.32	21.36	22.50
20	1	LOW	64QAM	22.27	21.89	21.98	22.50
		MID	64QAM	**22.39**	22.15	22.22	22.50
		HIGH	64QAM	22.24	22.16	22.09	22.50
	50	LOW	64QAM	20.28	20.44	20.09	21.50
		MID	64QAM	20.41	20.31	20.21	21.50
		HIGH	64QAM	20.42	20.39	20.26	21.50
	100	LOW	64QAM	20.57	20.20	20.18	21.50

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Bandwidth (MHz)	RB Size	RB offest	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	20.15	20.01	20.04	21.00
		MID	QPSK	20.20	20.05	20.05	21.00
		HIGH	QPSK	20.16	20.02	19.96	21.00
	3	LOW	QPSK	20.22	20.08	20.06	21.00
		MID	QPSK	20.27	20.10	20.10	21.00
		HIGH	QPSK	20.25	20.07	20.07	21.00
	6	LOW	QPSK	**20.33**	20.20	20.15	21.00
1.4	1	LOW	Q16	20.27	20.34	20.05	21.00
		MID	Q16	20.35	20.40	20.09	21.00
		HIGH	Q16	20.24	20.35	20.00	21.00
	3	LOW	Q16	20.31	20.27	20.21	21.00
		MID	Q16	20.31	20.27	20.26	21.00
		HIGH	Q16	20.34	20.27	20.24	21.00
	6	LOW	Q16	**20.51**	20.07	20.32	21.00
1.4	1	LOW	64QAM	19.98	19.97	20.04	21.00
		MID	64QAM	20.10	20.11	19.86	21.00
		HIGH	64QAM	19.86	20.17	19.94	21.00
	3	LOW	64QAM	20.01	20.12	20.18	21.00
		MID	64QAM	**20.27**	20.24	19.94	21.00
		HIGH	64QAM	19.95	20.21	20.21	21.00
	6	LOW	64QAM	20.14	19.79	20.17	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	20.02	19.87	19.93	21.00
		MID	QPSK	20.11	20.01	20.05	21.00
		HIGH	QPSK	19.99	19.89	19.92	21.00
	8	LOW	QPSK	20.24	20.11	20.09	21.00
		MID	QPSK	**20.32**	20.17	20.18	21.00
		HIGH	QPSK	20.24	20.13	20.08	21.00
	15	LOW	QPSK	20.24	20.06	20.08	21.00
3	1	LOW	Q16	20.03	20.31	19.91	21.00
		MID	Q16	20.09	**20.41**	20.02	21.00
		HIGH	Q16	19.96	20.26	19.92	21.00
	8	LOW	Q16	20.36	20.24	20.14	21.00
		MID	Q16	**20.41**	20.25	20.22	21.00
		HIGH	Q16	20.31	20.17	20.11	21.00
	15	LOW	Q16	20.28	20.05	20.01	21.00
3	1	LOW	64QAM	19.97	**20.29**	19.56	21.00
		MID	64QAM	19.76	20.24	19.71	21.00
		HIGH	64QAM	19.76	20.14	19.57	21.00
	8	LOW	64QAM	20.16	19.96	19.86	21.00
		MID	64QAM	20.27	20.08	20.15	21.00
		HIGH	64QAM	20.06	19.89	20.00	21.00
	15	LOW	64QAM	19.95	19.77	19.68	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	20.30	20.19	20.14	21.00
		MID	QPSK	**20.45**	20.21	20.26	21.00
		HIGH	QPSK	20.28	20.12	20.15	21.00
	12	LOW	QPSK	20.27	20.11	20.16	21.00
		MID	QPSK	20.38	20.20	20.22	21.00
		HIGH	QPSK	20.31	20.10	20.15	21.00
	25	LOW	QPSK	20.28	20.13	20.14	21.00
5	1	LOW	Q16	20.50	20.61	20.22	21.00
		MID	Q16	**20.63**	20.52	20.40	21.00
		HIGH	Q16	20.48	20.61	20.30	21.00
	12	LOW	Q16	20.35	20.23	20.17	21.00
		MID	Q16	20.46	20.34	20.26	21.00
		HIGH	Q16	20.37	20.27	20.18	21.00
	25	LOW	Q16	20.34	20.23	20.13	21.00
5	1	LOW	64QAM	20.11	**20.45**	19.91	21.00
		MID	64QAM	20.27	20.20	20.25	21.00
		HIGH	64QAM	20.10	20.25	20.29	21.00
	12	LOW	64QAM	20.16	19.94	19.84	21.00
		MID	64QAM	20.26	20.00	20.19	21.00
		HIGH	64QAM	20.07	20.00	19.90	21.00
	25	LOW	64QAM	20.26	19.96	20.10	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	20.28	20.23	20.26	21.00
		MID	QPSK	20.34	20.26	20.28	21.00
		HIGH	QPSK	20.33	20.20	20.25	21.00
	25	LOW	QPSK	20.22	20.11	20.16	21.00
		MID	QPSK	**20.42**	20.19	20.19	21.00
		HIGH	QPSK	20.33	20.14	20.10	21.00
	50	LOW	QPSK	20.33	20.11	20.12	21.00
10	1	LOW	Q16	20.31	20.62	20.23	21.00
		MID	Q16	20.35	**20.63**	20.31	21.00
		HIGH	Q16	20.35	20.61	20.29	21.00
	25	LOW	Q16	20.28	20.19	20.24	21.00
		MID	Q16	20.45	20.29	20.33	21.00
		HIGH	Q16	20.41	20.16	20.22	21.00
	50	LOW	Q16	20.34	20.17	20.14	21.00
10	1	LOW	64QAM	19.98	20.29	19.91	21.00
		MID	64QAM	20.29	**20.42**	19.98	21.00
		HIGH	64QAM	20.22	20.35	20.00	21.00
	25	LOW	64QAM	19.92	19.95	20.11	21.00
		MID	64QAM	20.19	20.05	20.17	21.00
		HIGH	64QAM	20.27	20.11	20.00	21.00
	50	LOW	64QAM	20.33	19.78	20.02	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	20.22	20.12	20.09	21.00
		MID	QPSK	20.32	20.20	20.21	21.00
		HIGH	QPSK	20.20	20.06	20.12	21.00
	36	LOW	QPSK	20.22	20.10	20.12	21.00
		MID	QPSK	**20.36**	20.18	20.14	21.00
		HIGH	QPSK	20.33	20.14	20.14	21.00
	75	LOW	QPSK	20.32	20.15	20.15	21.00
15	1	LOW	Q16	20.24	20.45	20.54	21.00
		MID	Q16	20.38	20.62	**20.63**	21.00
		HIGH	Q16	20.26	20.44	20.55	21.00
	36	LOW	Q16	20.25	20.16	20.08	21.00
		MID	Q16	20.35	20.22	20.15	21.00
		HIGH	Q16	20.31	20.16	20.04	21.00
	75	LOW	Q16	20.26	20.14	20.11	21.00
15	1	LOW	64QAM	19.88	20.14	20.15	21.00
		MID	64QAM	20.11	20.49	**20.52**	21.00
		HIGH	64QAM	20.20	20.35	20.22	21.00
	36	LOW	64QAM	20.22	20.06	19.76	21.00
		MID	64QAM	20.16	19.86	19.76	21.00
		HIGH	64QAM	19.98	20.14	20.02	21.00
	75	LOW	64QAM	19.89	20.02	19.73	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	20.15	20.09	19.89	21.00
		MID	QPSK	**20.41**	20.26	20.17	21.00
		HIGH	QPSK	20.13	20.05	19.99	21.00
	50	LOW	QPSK	20.24	20.11	20.10	21.00
		MID	QPSK	20.35	20.18	20.15	21.00
		HIGH	QPSK	20.28	20.06	20.10	21.00
	100	LOW	QPSK	20.27	20.08	20.08	21.00
20	1	LOW	Q16	20.08	20.18	20.34	21.00
		MID	Q16	20.21	20.12	20.03	21.00
		HIGH	Q16	20.06	**20.49**	20.44	21.00
	50	LOW	Q16	20.25	20.12	20.04	21.00
		MID	Q16	20.35	20.18	20.12	21.00
		HIGH	Q16	20.33	20.07	20.00	21.00
	100	LOW	Q16	20.32	20.08	20.07	21.00
20	1	LOW	64QAM	19.98	20.08	20.02	21.00
		MID	64QAM	20.08	19.88	19.81	21.00
		HIGH	64QAM	19.80	**20.31**	20.15	21.00
	50	LOW	64QAM	20.21	19.84	19.82	21.00
		MID	64QAM	19.98	20.02	20.08	21.00
		HIGH	64QAM	20.17	19.75	19.73	21.00
	100	LOW	64QAM	20.02	19.89	20.05	21.00

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Bandwidth (MHz)	RB Size	RB offest	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	19.12	18.97	19.05	20.00
		MID	QPSK	19.23	19.06	19.05	20.00
		HIGH	QPSK	19.12	18.97	19.02	20.00
	3	LOW	QPSK	19.27	19.10	19.04	20.00
		MID	QPSK	19.29	19.11	19.09	20.00
		HIGH	QPSK	19.28	19.07	19.06	20.00
	6	LOW	QPSK	**19.33**	19.17	19.18	20.00
1.4	1	LOW	Q16	19.16	19.10	19.32	20.00
		MID	Q16	19.26	19.17	19.36	20.00
		HIGH	Q16	19.19	19.05	19.31	20.00
	3	LOW	Q16	19.39	19.06	19.21	20.00
		MID	Q16	19.45	19.15	19.18	20.00
		HIGH	Q16	19.43	19.11	19.20	20.00
	6	LOW	Q16	**19.49**	19.31	19.09	20.00
1.4	1	LOW	64QAM	19.16	19.12	18.91	20.00
		MID	64QAM	19.04	18.73	19.05	20.00
		HIGH	64QAM	18.98	18.82	19.06	20.00
	3	LOW	64QAM	18.86	18.76	19.00	20.00
		MID	64QAM	19.12	18.94	18.91	20.00
		HIGH	64QAM	**19.24**	18.92	19.08	20.00
	6	LOW	64QAM	19.08	18.83	18.91	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	19.04	18.89	18.90	20.00
		MID	QPSK	19.16	19.00	18.99	20.00
		HIGH	QPSK	19.01	18.83	18.91	20.00
	8	LOW	QPSK	19.30	19.13	19.09	20.00
		MID	QPSK	**19.32**	19.17	19.17	20.00
		HIGH	QPSK	19.23	19.11	19.11	20.00
	15	LOW	QPSK	19.24	19.04	19.06	20.00
3	1	LOW	Q16	18.96	19.23	18.87	20.00
		MID	Q16	19.08	19.37	18.99	20.00
		HIGH	Q16	18.98	19.21	18.87	20.00
	8	LOW	Q16	19.39	19.19	19.12	20.00
		MID	Q16	**19.40**	19.23	19.16	20.00
		HIGH	Q16	19.34	19.11	19.12	20.00
	15	LOW	Q16	19.24	19.05	19.01	20.00
3	1	LOW	64QAM	19.12	18.85	18.80	20.00
		MID	64QAM	18.77	18.92	18.76	20.00
		HIGH	64QAM	19.04	19.26	18.68	20.00
	8	LOW	64QAM	18.86	19.03	18.83	20.00
		MID	64QAM	19.19	18.89	18.82	20.00
		HIGH	64QAM	**19.29**	19.04	19.13	20.00
	15	LOW	64QAM	19.22	19.08	18.84	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	19.32	19.14	19.13	20.00
		MID	QPSK	**19.43**	19.24	19.27	20.00
		HIGH	QPSK	19.28	19.15	19.12	20.00
	12	LOW	QPSK	19.27	19.09	19.14	20.00
		MID	QPSK	19.37	19.17	19.24	20.00
		HIGH	QPSK	19.33	19.10	19.13	20.00
	25	LOW	QPSK	19.27	19.14	19.15	20.00
5	1	LOW	Q16	19.47	19.58	19.19	20.00
		MID	Q16	19.58	**19.64**	19.35	20.00
		HIGH	Q16	19.45	19.59	19.23	20.00
	12	LOW	Q16	19.30	19.21	19.15	20.00
		MID	Q16	19.43	19.32	19.21	20.00
		HIGH	Q16	19.38	19.23	19.13	20.00
	25	LOW	Q16	19.30	19.20	19.10	20.00
5	1	LOW	64QAM	19.24	18.83	18.84	20.00
		MID	64QAM	19.33	19.24	18.87	20.00
		HIGH	64QAM	**19.44**	19.35	19.00	20.00
	12	LOW	64QAM	19.40	19.28	18.99	20.00
		MID	64QAM	19.21	19.08	18.81	20.00
		HIGH	64QAM	19.09	19.31	18.87	20.00
	25	LOW	64QAM	19.21	18.85	18.91	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	19.34	19.20	19.24	20.00
		MID	QPSK	19.35	19.29	19.29	20.00
		HIGH	QPSK	19.36	19.16	19.25	20.00
	25	LOW	QPSK	19.26	19.14	19.18	20.00
		MID	QPSK	**19.41**	19.23	19.21	20.00
		HIGH	QPSK	19.36	19.16	19.12	20.00
	50	LOW	QPSK	19.30	19.13	19.14	20.00
10	1	LOW	Q16	19.29	19.54	19.18	20.00
		MID	Q16	19.31	**19.57**	19.25	20.00
		HIGH	Q16	19.32	19.54	19.22	20.00
	25	LOW	Q16	19.27	19.17	19.20	20.00
		MID	Q16	19.42	19.23	19.28	20.00
		HIGH	Q16	19.36	19.15	19.17	20.00
	50	LOW	Q16	19.33	19.14	19.11	20.00
10	1	LOW	64QAM	19.20	19.03	19.02	20.00
		MID	64QAM	19.08	**19.53**	19.06	20.00
		HIGH	64QAM	19.19	19.19	18.97	20.00
	25	LOW	64QAM	19.14	**19.53**	19.10	20.00
		MID	64QAM	18.90	18.98	18.98	20.00
		HIGH	64QAM	19.07	19.13	19.00	20.00
	50	LOW	64QAM	19.22	19.02	18.80	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	19.27	19.09	19.12	20.00
		MID	QPSK	**19.39**	19.29	19.24	20.00
		HIGH	QPSK	19.27	19.07	19.17	20.00
	36	LOW	QPSK	19.29	19.16	19.13	20.00
		MID	QPSK	19.33	19.21	19.24	20.00
		HIGH	QPSK	19.32	19.14	19.13	20.00
	75	LOW	QPSK	19.34	19.17	19.20	20.00
15	1	LOW	Q16	19.18	19.49	19.53	20.00
		MID	Q16	19.35	19.59	**19.60**	20.00
		HIGH	Q16	19.20	19.45	19.55	20.00
	36	LOW	Q16	19.28	19.19	19.09	20.00
		MID	Q16	19.37	19.24	19.19	20.00
		HIGH	Q16	19.33	19.17	19.10	20.00
	75	LOW	Q16	19.31	19.16	19.11	20.00
15	1	LOW	64QAM	19.32	18.81	19.06	20.00
		MID	64QAM	19.17	19.33	19.37	20.00
		HIGH	64QAM	19.05	19.20	**19.44**	20.00
	36	LOW	64QAM	18.94	19.27	19.17	20.00
		MID	64QAM	19.03	19.02	18.98	20.00
		HIGH	64QAM	19.09	18.89	19.11	20.00
	75	LOW	64QAM	19.20	18.82	18.75	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	19.18	19.11	18.98	20.00
		MID	QPSK	**19.41**	19.31	19.25	20.00
		HIGH	QPSK	19.17	19.12	19.07	20.00
	50	LOW	QPSK	19.24	19.13	19.14	20.00
		MID	QPSK	19.39	19.20	19.23	20.00
		HIGH	QPSK	19.31	19.10	19.13	20.00
	100	LOW	QPSK	19.30	19.13	19.16	20.00
20	1	LOW	Q16	19.64	19.56	19.35	20.00
		MID	Q16	19.41	**19.74**	19.64	20.00
		HIGH	Q16	19.63	19.50	19.47	20.00
	50	LOW	Q16	19.29	19.13	19.08	20.00
		MID	Q16	19.38	19.19	19.16	20.00
		HIGH	Q16	19.35	19.11	19.09	20.00
	100	LOW	Q16	19.30	19.12	19.11	20.00
20	1	LOW	64QAM	19.54	19.45	19.19	20.00
		MID	64QAM	19.37	19.35	**19.60**	20.00
		HIGH	64QAM	19.42	19.19	19.42	20.00
	50	LOW	64QAM	19.09	18.93	18.80	20.00
		MID	64QAM	19.08	19.15	18.88	20.00
		HIGH	64QAM	19.16	19.04	18.93	20.00
	100	LOW	64QAM	18.15	18.10	18.09	20.00

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Bandwidth (MHz)	RB Size	RB offest	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.40	23.32	23.39	24.00
		MID	QPSK	23.44	23.38	23.46	24.00
		HIGH	QPSK	23.40	23.31	23.37	24.00
	3	LOW	QPSK	23.51	23.40	23.52	24.00
		MID	QPSK	23.51	23.44	23.52	24.00
		HIGH	QPSK	23.50	23.42	**23.53**	24.00
	6	LOW	QPSK	22.58	22.55	22.52	23.00
1.4	1	LOW	Q16	22.58	22.66	22.43	23.00
		MID	Q16	22.64	**22.72**	22.47	23.00
		HIGH	Q16	22.58	22.70	22.46	23.00
	3	LOW	Q16	22.62	22.60	22.66	23.00
		MID	Q16	22.61	22.61	22.70	23.00
		HIGH	Q16	22.62	22.60	22.70	23.00
	6	LOW	Q16	21.77	21.43	21.83	22.00
1.4	1	LOW	64QAM	21.66	21.68	21.49	22.00
		MID	64QAM	21.51	**21.77**	21.30	22.00
		HIGH	64QAM	21.51	21.50	21.19	22.00
	3	LOW	64QAM	21.56	21.66	21.64	22.00
		MID	64QAM	21.49	21.60	21.63	22.00
		HIGH	64QAM	21.54	21.52	21.52	22.00
	6	LOW	64QAM	20.73	20.25	20.74	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	23.23	23.25	23.31	24.00
		MID	QPSK	23.34	23.34	**23.40**	24.00
		HIGH	QPSK	23.27	23.23	23.28	24.00
	8	LOW	QPSK	22.57	22.48	22.51	23.00
		MID	QPSK	22.62	22.55	22.55	23.00
		HIGH	QPSK	22.51	22.49	22.48	23.00
	15	LOW	QPSK	22.52	22.44	22.53	23.00
3	1	LOW	Q16	22.29	22.57	22.35	23.00
		MID	Q16	22.39	**22.65**	22.40	23.00
		HIGH	Q16	22.28	22.63	22.31	23.00
	8	LOW	Q16	21.68	21.58	21.61	22.00
		MID	Q16	21.75	21.59	21.68	22.00
		HIGH	Q16	21.66	21.54	21.61	22.00
	15	LOW	Q16	21.54	21.41	21.54	22.00
3	1	LOW	64QAM	21.29	21.31	21.40	22.00
		MID	64QAM	21.22	21.59	21.27	22.00
		HIGH	64QAM	21.13	**21.71**	21.40	22.00
	8	LOW	64QAM	20.69	20.32	20.64	21.50
		MID	64QAM	20.57	20.35	20.50	21.50
		HIGH	64QAM	20.66	20.45	20.40	21.50
	15	LOW	64QAM	20.25	20.14	20.39	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	23.53	23.43	23.52	24.00
		MID	QPSK	**23.69**	23.57	23.66	24.00
		HIGH	QPSK	23.56	23.47	23.57	24.00
	12	LOW	QPSK	22.58	22.47	22.58	23.00
		MID	QPSK	22.71	22.56	22.64	23.00
		HIGH	QPSK	22.63	22.52	22.58	23.00
	25	LOW	QPSK	22.62	22.47	22.59	23.00
5	1	LOW	Q16	22.39	22.51	22.27	23.00
		MID	Q16	22.52	**22.70**	22.41	23.00
		HIGH	Q16	22.39	22.55	22.32	23.00
	12	LOW	Q16	21.69	21.62	21.72	22.00
		MID	Q16	21.74	21.70	21.76	22.00
		HIGH	Q16	21.73	21.69	21.71	22.00
	25	LOW	Q16	21.71	21.57	21.66	22.00
5	1	LOW	64QAM	21.21	21.38	21.26	22.00
		MID	64QAM	21.39	21.42	21.23	22.00
		HIGH	64QAM	**21.44**	21.43	21.06	22.00
	12	LOW	64QAM	20.46	20.64	20.57	21.50
		MID	64QAM	20.61	20.56	20.65	21.50
		HIGH	64QAM	20.67	20.55	20.50	21.50
	25	LOW	64QAM	20.50	20.35	20.40	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	23.58	23.53	23.54	24.00
		MID	QPSK	23.64	23.58	**23.72**	24.00
		HIGH	QPSK	23.59	23.54	23.68	24.00
	25	LOW	QPSK	22.55	22.46	22.56	23.00
		MID	QPSK	22.66	22.57	22.69	23.00
		HIGH	QPSK	22.70	22.59	22.62	23.00
	50	LOW	QPSK	22.64	22.52	22.63	23.00
10	1	LOW	Q16	22.62	22.89	22.60	23.00
		MID	Q16	22.65	**22.95**	22.75	23.00
		HIGH	Q16	22.57	22.92	22.71	23.00
	25	LOW	Q16	21.60	21.54	21.76	22.00
		MID	Q16	21.74	21.62	21.88	22.00
		HIGH	Q16	21.76	21.60	21.80	22.00
	50	LOW	Q16	21.63	21.55	21.73	22.00
10	1	LOW	64QAM	21.45	21.69	21.56	22.00
		MID	64QAM	21.47	**21.79**	21.57	22.00
		HIGH	64QAM	21.63	**21.79**	21.47	22.00
	25	LOW	64QAM	20.61	20.35	20.77	21.50
		MID	64QAM	20.83	20.40	20.78	21.50
		HIGH	64QAM	20.62	20.62	20.79	21.50
	50	LOW	64QAM	20.65	20.36	20.61	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	23.52	23.46	23.46	24.00
		MID	QPSK	23.65	23.62	**23.69**	24.00
		HIGH	QPSK	23.52	23.48	23.63	24.00
	36	LOW	QPSK	22.56	22.55	22.64	23.00
		MID	QPSK	22.68	22.63	22.69	23.00
		HIGH	QPSK	22.67	22.62	22.62	23.00
	75	LOW	QPSK	22.65	22.61	22.63	23.00
15	1	LOW	Q16	22.11	22.43	22.52	23.00
		MID	Q16	22.28	22.57	**22.72**	23.00
		HIGH	Q16	22.08	22.49	22.68	23.00
	36	LOW	Q16	21.53	21.58	21.59	22.00
		MID	Q16	21.68	21.68	21.74	22.00
		HIGH	Q16	21.70	21.69	21.69	22.00
	75	LOW	Q16	21.61	21.59	21.68	22.00
15	1	LOW	64QAM	20.87	21.32	21.55	22.00
		MID	64QAM	21.21	21.53	21.47	22.00
		HIGH	64QAM	21.08	21.28	**21.65**	22.00
	36	LOW	64QAM	20.61	20.46	20.50	21.50
		MID	64QAM	20.54	20.47	20.58	21.50
		HIGH	64QAM	20.60	20.76	20.76	21.50
	75	LOW	64QAM	20.68	20.42	20.46	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	23.48	23.44	23.31	24.00
		MID	QPSK	**23.70**	23.65	23.67	24.00
		HIGH	QPSK	23.47	23.56	23.57	24.00
	50	LOW	QPSK	22.54	22.48	22.61	23.00
		MID	QPSK	22.70	22.62	22.76	23.00
		HIGH	QPSK	22.75	22.53	22.62	23.00
	100	LOW	QPSK	22.62	22.51	22.66	23.00
20	1	LOW	Q16	22.60	22.47	22.35	23.00
		MID	Q16	**22.82**	22.64	22.67	23.00
		HIGH	Q16	22.57	22.56	22.61	23.00
	50	LOW	Q16	21.55	21.50	21.61	22.00
		MID	Q16	21.70	21.62	21.73	22.00
		HIGH	Q16	21.75	21.61	21.69	22.00
	100	LOW	Q16	21.65	21.53	21.68	22.00
20	1	LOW	64QAM	21.59	21.45	21.42	22.00
		MID	64QAM	**21.62**	21.43	21.52	22.00
		HIGH	64QAM	21.39	21.27	21.50	22.00
	50	LOW	64QAM	20.47	20.40	20.59	21.50
		MID	64QAM	20.60	20.66	20.44	21.50
		HIGH	64QAM	20.78	20.65	20.72	21.50
	100	LOW	64QAM	20.69	20.46	20.66	21.50

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Bandwidth (MHz)	RB Size	RB offest	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	18.92	18.87	18.92	19.50
		MID	QPSK	19.01	18.91	19.01	19.50
		HIGH	QPSK	18.95	18.84	18.92	19.50
	3	LOW	QPSK	19.06	18.96	19.06	19.50
		MID	QPSK	19.06	18.98	19.07	19.50
		HIGH	QPSK	19.05	18.98	19.11	19.50
	6	LOW	QPSK	**19.12**	19.04	19.11	19.50
1.4	1	LOW	Q16	19.10	19.21	18.96	19.50
		MID	Q16	19.14	19.28	19.06	19.50
		HIGH	Q16	19.08	19.24	19.03	19.50
	3	LOW	Q16	19.14	19.18	19.27	19.50
		MID	Q16	19.14	19.16	19.30	19.50
		HIGH	Q16	19.15	19.22	19.29	19.50
	6	LOW	Q16	19.28	18.93	**19.31**	19.50
1.4	1	LOW	64QAM	18.98	19.17	18.76	19.50
		MID	64QAM	18.93	19.05	18.74	19.50
		HIGH	64QAM	18.85	18.89	18.92	19.50
	3	LOW	64QAM	18.78	18.92	18.92	19.50
		MID	64QAM	18.80	18.93	**19.26**	19.50
		HIGH	64QAM	18.81	19.02	19.09	19.50
	6	LOW	64QAM	19.00	18.72	19.25	19.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	18.78	18.74	18.81	19.50
		MID	QPSK	18.84	18.86	18.94	19.50
		HIGH	QPSK	18.78	18.73	18.84	19.50
	8	LOW	QPSK	19.06	18.99	19.09	19.50
		MID	QPSK	19.09	19.04	**19.11**	19.50
		HIGH	QPSK	18.99	18.99	19.04	19.50
	15	LOW	QPSK	19.02	18.92	19.03	19.50
3	1	LOW	Q16	18.80	19.16	18.90	19.50
		MID	Q16	18.89	**19.26**	18.99	19.50
		HIGH	Q16	18.77	19.14	18.86	19.50
	8	LOW	Q16	19.18	19.07	19.11	19.50
		MID	Q16	19.21	19.12	19.16	19.50
		HIGH	Q16	19.15	19.03	19.10	19.50
	15	LOW	Q16	19.08	18.96	19.05	19.50
3	1	LOW	64QAM	18.79	19.01	18.89	19.50
		MID	64QAM	18.71	**19.20**	18.68	19.50
		HIGH	64QAM	18.54	19.03	18.47	19.50
	8	LOW	64QAM	18.92	18.91	18.79	19.50
		MID	64QAM	18.94	19.02	18.80	19.50
		HIGH	64QAM	18.87	18.97	19.07	19.50
	15	LOW	64QAM	18.88	18.62	18.77	19.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	19.11	18.96	19.08	19.50
		MID	QPSK	19.21	19.14	**19.24**	19.50
		HIGH	QPSK	19.11	19.00	19.11	19.50
	12	LOW	QPSK	19.08	18.95	19.10	19.50
		MID	QPSK	19.17	19.06	19.19	19.50
		HIGH	QPSK	19.13	19.01	19.15	19.50
	25	LOW	QPSK	19.08	18.96	19.15	19.50
5	1	LOW	Q16	18.87	19.10	18.92	19.50
		MID	Q16	19.00	19.19	18.98	19.50
		HIGH	Q16	18.95	19.14	18.93	19.50
	12	LOW	Q16	19.16	19.07	19.19	19.50
		MID	Q16	19.27	19.22	**19.30**	19.50
		HIGH	Q16	19.18	19.18	19.22	19.50
	25	LOW	Q16	19.15	19.11	19.15	19.50
5	1	LOW	64QAM	18.51	18.92	18.56	19.50
		MID	64QAM	18.69	18.97	18.64	19.50
		HIGH	64QAM	18.94	18.77	18.70	19.50
	12	LOW	64QAM	19.05	18.75	19.02	19.50
		MID	64QAM	**19.20**	18.90	18.97	19.50
		HIGH	64QAM	19.01	18.84	18.94	19.50
	25	LOW	64QAM	18.80	18.76	18.95	19.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	19.12	19.05	19.09	19.50
		MID	QPSK	19.15	19.11	**19.24**	19.50
		HIGH	QPSK	19.11	19.10	19.18	19.50
	25	LOW	QPSK	19.01	18.94	19.09	19.50
		MID	QPSK	19.14	19.07	19.19	19.50
		HIGH	QPSK	19.16	19.02	19.14	19.50
	50	LOW	QPSK	19.13	18.97	19.14	19.50
10	1	LOW	Q16	18.70	19.01	18.77	19.50
		MID	Q16	18.76	19.13	18.88	19.50
		HIGH	Q16	18.68	19.10	18.84	19.50
	25	LOW	Q16	19.10	19.04	19.25	19.50
		MID	Q16	19.25	19.17	**19.36**	19.50
		HIGH	Q16	19.20	19.11	19.31	19.50
	50	LOW	Q16	19.13	19.05	19.20	19.50
10	1	LOW	64QAM	18.38	18.79	18.38	19.50
		MID	64QAM	18.75	18.92	18.53	19.50
		HIGH	64QAM	18.29	18.97	18.50	19.50
	25	LOW	64QAM	18.95	18.95	18.96	19.50
		MID	64QAM	19.00	18.86	19.21	19.50
		HIGH	64QAM	19.17	19.03	**19.27**	19.50
	50	LOW	64QAM	18.80	18.85	19.14	19.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	19.00	18.96	19.01	19.50
		MID	QPSK	19.15	19.13	**19.22**	19.50
		HIGH	QPSK	19.04	19.06	19.17	19.50
	36	LOW	QPSK	19.05	19.03	19.13	19.50
		MID	QPSK	19.17	19.12	19.19	19.50
		HIGH	QPSK	19.17	19.10	19.20	19.50
	75	LOW	QPSK	19.14	19.11	19.16	19.50
15	1	LOW	Q16	18.66	18.98	19.08	19.50
		MID	Q16	18.76	19.11	**19.37**	19.50
		HIGH	Q16	18.59	19.07	19.31	19.50
	36	LOW	Q16	19.04	19.07	19.10	19.50
		MID	Q16	19.16	19.12	19.17	19.50
		HIGH	Q16	19.18	19.11	19.17	19.50
	75	LOW	Q16	19.13	19.04	19.14	19.50
15	1	LOW	64QAM	18.57	18.78	18.87	19.50
		MID	64QAM	18.72	18.91	19.11	19.50
		HIGH	64QAM	18.24	19.03	**19.18**	19.50
	36	LOW	64QAM	18.69	18.98	18.83	19.50
		MID	64QAM	19.07	18.83	18.86	19.50
		HIGH	64QAM	18.81	18.77	18.85	19.50
	75	LOW	64QAM	18.83	18.67	19.04	19.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	18.96	18.96	18.86	19.50
		MID	QPSK	**19.20**	19.17	19.15	19.50
		HIGH	QPSK	18.96	19.09	19.08	19.50
	50	LOW	QPSK	18.97	18.95	19.09	19.50
		MID	QPSK	19.12	19.05	19.17	19.50
		HIGH	QPSK	19.19	19.03	19.14	19.50
	100	LOW	QPSK	19.09	18.98	19.10	19.50
20	1	LOW	Q16	19.08	19.05	18.90	19.50
		MID	Q16	**19.31**	19.24	19.28	19.50
		HIGH	Q16	19.08	19.16	19.16	19.50
	50	LOW	Q16	19.04	18.97	19.06	19.50
		MID	Q16	19.22	19.11	19.21	19.50
		HIGH	Q16	19.22	19.07	19.17	19.50
	100	LOW	Q16	19.14	19.02	19.17	19.50
20	1	LOW	64QAM	18.88	18.69	18.71	19.50
		MID	64QAM	**19.27**	19.23	19.25	19.50
		HIGH	64QAM	18.88	19.11	19.07	19.50
	50	LOW	64QAM	18.69	18.60	18.72	19.50
		MID	64QAM	18.90	19.09	18.84	19.50
		HIGH	64QAM	19.13	19.03	19.11	19.50
	100	LOW	64QAM	18.88	18.97	18.81	19.50

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Bandwidth (MHz)	RB Size	RB offest	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	17.90	17.81	17.90	18.50
		MID	QPSK	17.97	17.88	17.98	18.50
		HIGH	QPSK	17.92	17.79	17.91	18.50
	3	LOW	QPSK	18.02	17.92	18.04	18.50
		MID	QPSK	18.03	17.98	18.05	18.50
		HIGH	QPSK	18.03	17.92	**18.08**	18.50
	6	LOW	QPSK	18.07	18.00	**18.08**	18.50
1.4	1	LOW	Q16	18.04	18.18	17.92	18.50
		MID	Q16	18.11	18.23	18.01	18.50
		HIGH	Q16	18.05	18.20	17.96	18.50
	3	LOW	Q16	18.07	18.12	18.20	18.50
		MID	Q16	18.07	18.13	18.24	18.50
		HIGH	Q16	18.11	18.12	18.24	18.50
	6	LOW	Q16	18.26	17.93	**18.29**	18.50
1.4	1	LOW	64QAM	17.91	17.89	17.53	18.50
		MID	64QAM	17.87	17.95	17.88	18.50
		HIGH	64QAM	17.90	17.98	17.86	18.50
	3	LOW	64QAM	17.73	17.95	18.18	18.50
		MID	64QAM	17.78	18.04	18.08	18.50
		HIGH	64QAM	17.99	17.74	18.01	18.50
	6	LOW	64QAM	**18.25**	17.61	18.02	18.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	17.81	17.70	17.83	18.50
		MID	QPSK	17.86	17.82	17.94	18.50
		HIGH	QPSK	17.77	17.72	17.82	18.50
	8	LOW	QPSK	18.04	17.95	18.04	18.50
		MID	QPSK	18.07	18.00	**18.12**	18.50
		HIGH	QPSK	18.00	17.97	18.04	18.50
	15	LOW	QPSK	18.01	17.89	18.05	18.50
3	1	LOW	Q16	17.74	18.11	17.89	18.50
		MID	Q16	17.89	**18.22**	17.95	18.50
		HIGH	Q16	17.74	18.07	17.84	18.50
	8	LOW	Q16	18.16	18.05	18.07	18.50
		MID	Q16	18.21	18.07	18.15	18.50
		HIGH	Q16	18.13	18.00	18.08	18.50
	15	LOW	Q16	18.02	17.90	18.02	18.50
3	1	LOW	64QAM	17.62	18.07	17.83	18.50
		MID	64QAM	17.70	17.83	17.63	18.50
		HIGH	64QAM	17.42	17.86	17.66	18.50
	8	LOW	64QAM	17.77	17.87	17.90	18.50
		MID	64QAM	17.86	17.68	17.83	18.50
		HIGH	64QAM	**18.11**	17.73	17.87	18.50
	15	LOW	64QAM	17.63	17.60	17.95	18.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	18.12	17.98	18.06	18.50
		MID	QPSK	**18.19**	18.12	**18.19**	18.50
		HIGH	QPSK	18.03	17.99	18.11	18.50
	12	LOW	QPSK	18.01	17.94	18.07	18.50
		MID	QPSK	18.14	18.03	18.15	18.50
		HIGH	QPSK	18.10	17.98	18.11	18.50
	25	LOW	QPSK	18.07	17.95	18.12	18.50
5	1	LOW	Q16	17.87	18.05	17.82	18.50
		MID	Q16	18.00	**18.22**	17.95	18.50
		HIGH	Q16	17.88	18.10	17.84	18.50
	12	LOW	Q16	18.15	18.09	18.17	18.50
		MID	Q16	18.22	18.17	18.18	18.50
		HIGH	Q16	18.18	18.10	18.17	18.50
	25	LOW	Q16	18.15	18.04	18.11	18.50
5	1	LOW	64QAM	17.58	17.72	17.49	18.50
		MID	64QAM	17.99	18.15	17.74	18.50
		HIGH	64QAM	17.53	17.92	17.61	18.50
	12	LOW	64QAM	17.95	17.94	17.78	18.50
		MID	64QAM	17.90	18.06	18.08	18.50
		HIGH	64QAM	**18.16**	18.08	18.05	18.50
	25	LOW	64QAM	18.10	17.77	17.92	18.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	18.04	18.07	18.09	18.50
		MID	QPSK	18.12	18.08	**18.23**	18.50
		HIGH	QPSK	18.07	18.05	18.19	18.50
	25	LOW	QPSK	18.00	17.95	18.09	18.50
		MID	QPSK	18.14	18.04	18.20	18.50
		HIGH	QPSK	18.14	18.03	18.13	18.50
	50	LOW	QPSK	18.11	17.95	18.16	18.50
10	1	LOW	Q16	18.05	18.36	18.06	18.50
		MID	Q16	18.11	**18.46**	18.25	18.50
		HIGH	Q16	18.05	18.40	18.20	18.50
	25	LOW	Q16	18.07	18.01	18.23	18.50
		MID	Q16	18.17	18.07	18.29	18.50
		HIGH	Q16	18.20	18.06	18.25	18.50
	50	LOW	Q16	18.09	18.00	18.15	18.50
10	1	LOW	64QAM	17.96	18.09	17.67	18.50
		MID	64QAM	17.96	18.21	18.21	18.50
		HIGH	64QAM	17.97	**18.32**	18.13	18.50
	25	LOW	64QAM	17.76	17.74	17.88	18.50
		MID	64QAM	18.10	17.92	18.22	18.50
		HIGH	64QAM	18.03	17.87	18.14	18.50
	50	LOW	64QAM	17.74	17.66	17.86	18.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	18.00	18.00	17.99	18.50
		MID	QPSK	18.13	18.07	**18.22**	18.50
		HIGH	QPSK	17.99	18.06	18.14	18.50
	36	LOW	QPSK	18.01	17.97	18.08	18.50
		MID	QPSK	18.12	18.05	18.16	18.50
		HIGH	QPSK	18.16	18.08	18.16	18.50
	75	LOW	QPSK	18.10	18.00	18.16	18.50
15	1	LOW	Q16	17.58	17.94	17.98	18.50
		MID	Q16	17.69	18.07	**18.23**	18.50
		HIGH	Q16	17.56	17.98	18.14	18.50
	36	LOW	Q16	18.01	18.03	18.07	18.50
		MID	Q16	18.12	18.08	18.16	18.50
		HIGH	Q16	18.15	18.10	18.13	18.50
	75	LOW	Q16	18.07	18.06	18.14	18.50
15	1	LOW	64QAM	17.47	17.62	17.87	18.50
		MID	64QAM	17.59	17.72	**18.22**	18.50
		HIGH	64QAM	17.17	17.72	17.78	18.50
	36	LOW	64QAM	17.64	17.94	17.91	18.50
		MID	64QAM	17.78	18.06	17.83	18.50
		HIGH	64QAM	18.06	18.09	17.78	18.50
	75	LOW	64QAM	17.78	17.81	17.97	18.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	17.96	17.91	17.84	18.50
		MID	QPSK	**18.17**	18.16	18.16	18.50
		HIGH	QPSK	17.97	18.10	18.05	18.50
	50	LOW	QPSK	17.94	17.91	18.11	18.50
		MID	QPSK	18.14	18.05	18.15	18.50
		HIGH	QPSK	**18.17**	18.02	18.12	18.50
	100	LOW	QPSK	18.07	17.97	18.12	18.50
20	1	LOW	Q16	18.06	17.96	17.81	18.50
		MID	Q16	**18.28**	18.15	18.19	18.50
		HIGH	Q16	18.06	18.11	18.11	18.50
	50	LOW	Q16	17.94	17.93	18.05	18.50
		MID	Q16	18.14	18.06	18.13	18.50
		HIGH	Q16	18.19	18.06	18.10	18.50
	100	LOW	Q16	18.09	17.98	18.09	18.50
20	1	LOW	64QAM	17.88	17.92	17.76	18.50
		MID	64QAM	17.93	17.88	17.80	18.50
		HIGH	64QAM	17.91	17.85	17.90	18.50
	50	LOW	64QAM	17.81	17.67	18.00	18.50
		MID	64QAM	18.05	17.72	17.98	18.50
		HIGH	64QAM	17.83	17.91	**18.06**	18.50
	100	LOW	64QAM	17.84	17.74	17.92	18.50

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Bandwidth (MHz)	RB Size	RB offest	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	21.45	21.37	21.48	22.00
		MID	QPSK	21.49	21.41	21.50	22.00
		HIGH	QPSK	21.45	21.33	21.45	22.00
	3	LOW	QPSK	21.55	21.46	21.58	22.00
		MID	QPSK	21.56	21.50	21.60	22.00
		HIGH	QPSK	21.53	21.47	21.62	22.00
	6	LOW	QPSK	**21.63**	21.53	21.59	22.00
1.4	1	LOW	Q16	21.60	21.75	21.48	22.00
		MID	Q16	21.65	21.75	21.54	22.00
		HIGH	Q16	21.61	21.70	21.52	22.00
	3	LOW	Q16	21.63	21.64	21.79	22.00
		MID	Q16	21.63	21.65	21.81	22.00
		HIGH	Q16	21.63	21.67	**21.82**	22.00
	6	LOW	Q16	21.80	21.46	21.81	22.00
1.4	1	LOW	64QAM	21.48	21.69	21.25	22.00
		MID	64QAM	21.45	21.70	21.34	22.00
		HIGH	64QAM	21.57	21.57	21.40	22.00
	3	LOW	64QAM	21.48	21.56	21.55	22.00
		MID	64QAM	21.43	21.55	**21.79**	22.00
		HIGH	64QAM	21.51	21.50	21.78	22.00
	6	LOW	64QAM	20.71	20.75	20.86	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	21.32	21.29	21.36	22.00
		MID	QPSK	21.37	21.33	21.44	22.00
		HIGH	QPSK	21.30	21.22	21.35	22.00
	8	LOW	QPSK	21.56	21.47	21.56	22.00
		MID	QPSK	21.63	21.55	**21.67**	22.00
		HIGH	QPSK	21.53	21.46	21.53	22.00
	15	LOW	QPSK	21.51	21.43	21.57	22.00
3	1	LOW	Q16	21.28	21.66	21.40	22.00
		MID	Q16	21.40	21.66	21.47	22.00
		HIGH	Q16	21.28	21.64	21.39	22.00
	8	LOW	Q16	21.69	21.57	21.67	22.00
		MID	Q16	**21.71**	21.61	21.68	22.00
		HIGH	Q16	21.69	21.52	21.64	22.00
	15	LOW	Q16	21.58	21.45	21.52	22.00
3	1	LOW	64QAM	20.97	21.29	21.10	22.00
		MID	64QAM	21.05	**21.57**	21.08	22.00
		HIGH	64QAM	21.13	21.40	21.17	22.00
	8	LOW	64QAM	20.85	20.72	20.71	21.50
		MID	64QAM	20.94	20.90	21.01	21.50
		HIGH	64QAM	20.95	20.66	20.79	21.50
	15	LOW	64QAM	20.65	20.57	20.73	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	21.62	21.50	21.65	22.00
		MID	QPSK	**21.78**	21.63	21.71	22.00
		HIGH	QPSK	21.61	21.50	21.58	22.00
	12	LOW	QPSK	21.56	21.47	21.63	22.00
		MID	QPSK	21.66	21.58	21.70	22.00
		HIGH	QPSK	21.62	21.49	21.67	22.00
	25	LOW	QPSK	21.63	21.48	21.68	22.00
5	1	LOW	Q16	21.41	21.56	21.33	22.00
		MID	Q16	21.55	21.72	21.42	22.00
		HIGH	Q16	21.43	21.60	21.40	22.00
	12	LOW	Q16	21.68	21.61	21.74	22.00
		MID	Q16	21.76	21.69	**21.77**	22.00
		HIGH	Q16	21.69	21.58	21.70	22.00
	25	LOW	Q16	21.69	21.56	21.67	22.00
5	1	LOW	64QAM	21.20	21.53	21.13	22.00
		MID	64QAM	21.52	**21.60**	21.32	22.00
		HIGH	64QAM	21.39	21.43	21.08	22.00
	12	LOW	64QAM	20.85	20.92	20.91	21.50
		MID	64QAM	21.14	20.78	20.92	21.50
		HIGH	64QAM	21.07	20.83	20.82	21.50
	25	LOW	64QAM	20.90	20.82	20.69	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	21.59	21.59	21.59	22.00
		MID	QPSK	21.67	21.65	**21.75**	22.00
		HIGH	QPSK	21.64	21.57	21.72	22.00
	25	LOW	QPSK	21.52	21.45	21.59	22.00
		MID	QPSK	21.68	21.58	21.73	22.00
		HIGH	QPSK	21.69	21.55	21.66	22.00
	50	LOW	QPSK	21.66	21.49	21.67	22.00
10	1	LOW	Q16	21.62	21.86	21.57	22.00
		MID	Q16	21.65	**21.99**	21.77	22.00
		HIGH	Q16	21.58	21.97	21.75	22.00
	25	LOW	Q16	21.63	21.52	21.67	22.00
		MID	Q16	21.74	21.60	21.84	22.00
		HIGH	Q16	21.75	21.56	21.78	22.00
	50	LOW	Q16	21.61	21.50	21.73	22.00
10	1	LOW	64QAM	21.60	21.73	21.31	22.00
		MID	64QAM	21.43	**21.90**	21.54	22.00
		HIGH	64QAM	21.55	21.63	21.62	22.00
	25	LOW	64QAM	20.78	20.58	20.71	21.50
		MID	64QAM	20.89	20.99	21.09	21.50
		HIGH	64QAM	21.06	20.89	20.92	21.50
	50	LOW	64QAM	20.84	20.70	21.01	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	21.54	21.47	21.52	22.00
		MID	QPSK	21.67	21.62	**21.71**	22.00
		HIGH	QPSK	21.52	21.54	21.67	22.00
	36	LOW	QPSK	21.53	21.48	21.59	22.00
		MID	QPSK	21.64	21.56	21.69	22.00
		HIGH	QPSK	21.62	21.55	21.67	22.00
	75	LOW	QPSK	21.62	21.58	21.64	22.00
15	1	LOW	Q16	21.15	21.44	21.50	22.00
		MID	Q16	21.25	21.58	**21.77**	22.00
		HIGH	Q16	21.10	21.52	21.74	22.00
	36	LOW	Q16	21.58	21.59	21.58	22.00
		MID	Q16	21.64	21.61	21.65	22.00
		HIGH	Q16	21.64	21.63	21.65	22.00
	75	LOW	Q16	21.59	21.55	21.62	22.00
15	1	LOW	64QAM	20.90	21.07	21.48	22.00
		MID	64QAM	21.05	21.48	**21.76**	22.00
		HIGH	64QAM	20.99	21.17	21.37	22.00
	36	LOW	64QAM	20.84	20.62	20.84	21.50
		MID	64QAM	20.80	20.91	20.91	21.50
		HIGH	64QAM	20.82	20.81	20.95	21.50
	75	LOW	64QAM	20.72	20.69	20.94	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	21.48	21.45	21.32	22.00
		MID	QPSK	**21.69**	21.67	21.66	22.00
		HIGH	QPSK	21.51	21.58	21.59	22.00
	50	LOW	QPSK	21.47	21.44	21.62	22.00
		MID	QPSK	21.63	21.60	21.68	22.00
		HIGH	QPSK	21.68	21.55	21.66	22.00
	100	LOW	QPSK	21.58	21.47	21.62	22.00
20	1	LOW	Q16	21.56	21.47	21.34	22.00
		MID	Q16	**21.77**	21.67	21.69	22.00
		HIGH	Q16	21.55	21.60	21.65	22.00
	50	LOW	Q16	21.52	21.47	21.58	22.00
		MID	Q16	21.69	21.62	21.65	22.00
		HIGH	Q16	21.68	21.54	21.63	22.00
	100	LOW	Q16	21.62	21.48	21.61	22.00
20	1	LOW	64QAM	21.24	21.20	21.23	22.00
		MID	64QAM	21.52	21.52	**21.65**	22.00
		HIGH	64QAM	21.44	21.22	21.59	22.00
	50	LOW	64QAM	20.71	20.50	20.70	21.50
		MID	64QAM	20.71	20.66	20.71	21.50
		HIGH	64QAM	20.97	20.66	20.72	21.50
	100	LOW	64QAM	20.98	20.82	20.81	21.50

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Bandwidth (MHz)	RB Size	RB offest	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	20.49	20.41	20.52	21.00
		MID	QPSK	20.51	20.46	20.55	21.00
		HIGH	QPSK	20.49	20.40	20.49	21.00
	3	LOW	QPSK	20.54	20.52	20.60	21.00
		MID	QPSK	20.58	20.53	**20.63**	21.00
		HIGH	QPSK	20.57	20.53	20.61	21.00
	6	LOW	QPSK	**20.63**	20.60	**20.63**	21.00
1.4	1	LOW	Q16	20.66	20.77	20.52	21.00
		MID	Q16	20.69	20.83	20.61	21.00
		HIGH	Q16	20.61	20.75	20.57	21.00
	3	LOW	Q16	20.65	20.70	20.81	21.00
		MID	Q16	20.67	20.70	**20.86**	21.00
		HIGH	Q16	20.64	20.69	20.81	21.00
	6	LOW	Q16	20.81	20.52	20.85	21.00
1.4	1	LOW	64QAM	20.40	20.58	20.17	21.00
		MID	64QAM	20.41	20.65	20.47	21.00
		HIGH	64QAM	20.34	20.56	20.51	21.00
	3	LOW	64QAM	20.50	20.42	20.42	21.00
		MID	64QAM	20.48	20.55	20.49	21.00
		HIGH	64QAM	20.60	20.49	20.61	21.00
	6	LOW	64QAM	**20.66**	20.26	20.63	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	20.39	20.33	20.44	21.00
		MID	QPSK	20.43	20.40	20.48	21.00
		HIGH	QPSK	20.36	20.30	20.39	21.00
	8	LOW	QPSK	**20.65**	20.55	20.57	21.00
		MID	QPSK	**20.65**	20.62	**20.65**	21.00
		HIGH	QPSK	20.57	20.55	20.58	21.00
	15	LOW	QPSK	20.55	20.47	20.58	21.00
3	1	LOW	Q16	20.35	20.63	20.50	21.00
		MID	Q16	20.48	20.78	20.52	21.00
		HIGH	Q16	20.33	20.70	20.47	21.00
	8	LOW	Q16	20.75	20.60	20.69	21.00
		MID	Q16	**20.80**	20.65	20.71	21.00
		HIGH	Q16	20.71	20.58	20.66	21.00
	15	LOW	Q16	20.61	20.54	20.57	21.00
3	1	LOW	64QAM	20.16	20.36	20.15	21.00
		MID	64QAM	20.39	20.54	20.40	21.00
		HIGH	64QAM	20.29	20.61	20.22	21.00
	8	LOW	64QAM	**20.74**	20.43	20.61	21.00
		MID	64QAM	20.44	20.33	20.56	21.00
		HIGH	64QAM	20.64	20.33	20.61	21.00
	15	LOW	64QAM	20.57	20.23	20.34	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	20.63	20.53	20.62	21.00
		MID	QPSK	**20.79**	20.70	20.77	21.00
		HIGH	QPSK	20.64	20.57	20.63	21.00
	12	LOW	QPSK	20.60	20.49	20.66	21.00
		MID	QPSK	20.70	20.59	20.74	21.00
		HIGH	QPSK	20.70	20.55	20.67	21.00
	25	LOW	QPSK	20.66	20.50	20.67	21.00
5	1	LOW	Q16	20.45	20.65	20.40	21.00
		MID	Q16	20.57	20.75	20.54	21.00
		HIGH	Q16	20.47	20.65	20.45	21.00
	12	LOW	Q16	20.69	20.65	20.77	21.00
		MID	Q16	**20.81**	20.76	20.78	21.00
		HIGH	Q16	20.76	20.68	20.77	21.00
	25	LOW	Q16	20.73	20.63	20.71	21.00
5	1	LOW	64QAM	20.69	20.75	20.47	21.00
		MID	64QAM	20.80	**20.95**	20.93	21.00
		HIGH	64QAM	20.74	20.85	20.80	21.00
	12	LOW	64QAM	20.48	20.38	20.59	21.00
		MID	64QAM	20.80	20.68	20.67	21.00
		HIGH	64QAM	20.41	20.43	20.66	21.00
	25	LOW	64QAM	20.47	20.62	20.41	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	20.62	20.59	20.62	21.00
		MID	QPSK	20.70	20.68	**20.79**	21.00
		HIGH	QPSK	20.67	20.62	20.78	21.00
	25	LOW	QPSK	20.55	20.50	20.61	21.00
		MID	QPSK	20.67	20.56	20.71	21.00
		HIGH	QPSK	20.70	20.53	20.69	21.00
	50	LOW	QPSK	20.65	20.50	20.68	21.00
10	1	LOW	Q16	20.25	20.56	20.27	21.00
		MID	Q16	20.30	20.66	20.43	21.00
		HIGH	Q16	20.28	20.63	20.39	21.00
	25	LOW	Q16	20.62	20.56	20.77	21.00
		MID	Q16	20.77	20.65	**20.91**	21.00
		HIGH	Q16	20.74	20.59	20.81	21.00
	50	LOW	Q16	20.65	20.58	20.74	21.00
10	1	LOW	64QAM	19.98	20.35	19.92	21.00
		MID	64QAM	19.92	20.40	20.07	21.00
		HIGH	64QAM	20.17	20.45	20.21	21.00
	25	LOW	64QAM	20.60	20.39	20.67	21.00
		MID	64QAM	20.60	20.39	20.57	21.00
		HIGH	64QAM	20.36	20.21	20.57	21.00
	50	LOW	64QAM	20.38	20.46	**20.71**	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	20.54	20.55	20.54	21.00
		MID	QPSK	20.68	20.64	**20.78**	21.00
		HIGH	QPSK	20.58	20.55	20.71	21.00
	36	LOW	QPSK	20.54	20.59	20.70	21.00
		MID	QPSK	20.71	20.67	20.77	21.00
		HIGH	QPSK	20.71	20.68	20.72	21.00
	75	LOW	QPSK	20.72	20.65	20.72	21.00
15	1	LOW	Q16	20.15	20.49	20.61	21.00
		MID	Q16	20.29	20.65	**20.84**	21.00
		HIGH	Q16	20.15	20.58	20.79	21.00
	36	LOW	Q16	20.56	20.59	20.62	21.00
		MID	Q16	20.68	20.65	20.73	21.00
		HIGH	Q16	20.70	20.68	20.74	21.00
	75	LOW	Q16	20.65	20.62	20.69	21.00
15	1	LOW	64QAM	19.92	20.41	20.42	21.00
		MID	64QAM	19.96	20.49	20.58	21.00
		HIGH	64QAM	20.00	20.38	20.41	21.00
	36	LOW	64QAM	20.33	20.21	20.27	21.00
		MID	64QAM	20.30	20.52	20.35	21.00
		HIGH	64QAM	**20.69**	20.45	20.63	21.00
	75	LOW	64QAM	20.43	20.25	20.48	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	20.49	20.46	20.38	21.00
		MID	QPSK	**20.75**	20.70	20.72	21.00
		HIGH	QPSK	20.54	20.62	20.63	21.00
	50	LOW	QPSK	20.52	20.48	20.62	21.00
		MID	QPSK	20.68	20.60	20.67	21.00
		HIGH	QPSK	20.71	20.56	20.67	21.00
	100	LOW	QPSK	20.62	20.51	20.66	21.00
20	1	LOW	Q16	20.63	20.58	20.42	21.00
		MID	Q16	**20.83**	20.74	20.75	21.00
		HIGH	Q16	20.61	20.68	20.71	21.00
	50	LOW	Q16	20.60	20.50	20.63	21.00
		MID	Q16	20.74	20.68	20.72	21.00
		HIGH	Q16	20.77	20.61	20.70	21.00
	100	LOW	Q16	20.72	20.53	20.71	21.00
20	1	LOW	64QAM	20.36	20.50	20.30	21.00
		MID	64QAM	**20.71**	20.51	20.52	21.00
		HIGH	64QAM	20.39	20.34	20.37	21.00
	50	LOW	64QAM	20.59	20.41	20.57	21.00
		MID	64QAM	20.44	20.61	20.63	21.00
		HIGH	64QAM	20.57	20.38	20.54	21.00
	100	LOW	64QAM	20.47	20.22	20.34	21.00

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Bandwidth (MHz)	RB Size	RB offest	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.95	22.63	23.19	24.00
		MID	QPSK	23.16	22.94	23.25	24.00
		HIGH	QPSK	23.16	22.96	23.18	24.00
	3	LOW	QPSK	23.18	23.07	23.34	24.00
		MID	QPSK	23.28	23.10	23.37	24.00
		HIGH	QPSK	**23.38**	23.23	23.37	24.00
	6	LOW	QPSK	22.35	22.34	22.36	23.00
1.4	1	LOW	Q16	22.55	22.48	22.18	23.00
		MID	Q16	22.60	22.51	22.27	23.00
		HIGH	Q16	**22.62**	22.47	22.22	23.00
	3	LOW	Q16	22.17	22.40	22.48	23.00
		MID	Q16	22.06	22.41	22.49	23.00
		HIGH	Q16	21.91	22.41	22.49	23.00
	6	LOW	Q16	21.23	21.25	21.61	22.00
1.4	1	LOW	64QAM	21.48	21.47	21.25	22.00
		MID	64QAM	21.33	21.23	21.12	22.00
		HIGH	64QAM	**21.70**	21.20	21.11	22.00
	3	LOW	64QAM	20.95	21.46	21.51	22.00
		MID	64QAM	20.99	21.27	21.52	22.00
		HIGH	64QAM	20.78	21.28	21.22	22.00
	6	LOW	64QAM	20.13	20.07	20.33	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	23.03	23.10	23.21	24.00
		MID	QPSK	23.11	23.17	**23.23**	24.00
		HIGH	QPSK	23.02	23.06	23.17	24.00
	8	LOW	QPSK	22.34	22.29	22.36	23.00
		MID	QPSK	22.36	22.39	22.43	23.00
		HIGH	QPSK	22.29	22.32	22.32	23.00
	15	LOW	QPSK	22.29	22.26	22.35	23.00
3	1	LOW	Q16	22.03	22.45	22.20	23.00
		MID	Q16	22.12	**22.54**	22.23	23.00
		HIGH	Q16	21.98	22.44	22.15	23.00
	8	LOW	Q16	21.45	21.36	21.45	22.00
		MID	Q16	21.48	21.45	21.54	22.00
		HIGH	Q16	21.42	21.33	21.46	22.00
	15	LOW	Q16	21.37	21.24	21.35	22.00
3	1	LOW	64QAM	21.09	21.38	21.01	22.00
		MID	64QAM	21.03	**21.49**	20.96	22.00
		HIGH	64QAM	20.88	21.46	21.09	22.00
	8	LOW	64QAM	20.50	20.42	20.38	21.50
		MID	64QAM	20.37	20.24	20.40	21.50
		HIGH	64QAM	20.28	20.23	20.26	21.50
	15	LOW	64QAM	20.36	20.31	20.32	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	23.33	23.26	23.36	24.00
		MID	QPSK	**23.50**	23.39	23.47	24.00
		HIGH	QPSK	23.37	23.29	23.37	24.00
	12	LOW	QPSK	22.40	22.26	22.37	23.00
		MID	QPSK	22.47	22.37	22.45	23.00
		HIGH	QPSK	22.43	22.32	22.39	23.00
	25	LOW	QPSK	22.41	22.30	22.43	23.00
5	1	LOW	Q16	22.60	22.73	22.43	23.00
		MID	Q16	22.67	**22.87**	22.55	23.00
		HIGH	Q16	22.60	22.76	22.51	23.00
	12	LOW	Q16	21.49	21.39	21.53	22.00
		MID	Q16	21.55	21.54	21.59	22.00
		HIGH	Q16	21.55	21.50	21.53	22.00
	25	LOW	Q16	21.48	21.39	21.49	22.00
5	1	LOW	64QAM	21.43	21.53	21.47	22.00
		MID	64QAM	21.47	**21.77**	21.47	22.00
		HIGH	64QAM	21.61	21.54	21.31	22.00
	12	LOW	64QAM	20.56	20.47	20.25	21.50
		MID	64QAM	20.28	20.43	20.39	21.50
		HIGH	64QAM	20.63	20.48	20.44	21.50
	25	LOW	64QAM	20.33	20.39	20.44	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	23.38	23.30	23.33	24.00
		MID	QPSK	23.44	23.41	**23.49**	24.00
		HIGH	QPSK	23.39	23.33	23.46	24.00
	25	LOW	QPSK	22.36	22.22	22.34	23.00
		MID	QPSK	22.45	22.33	22.44	23.00
		HIGH	QPSK	22.47	22.31	22.40	23.00
	50	LOW	QPSK	22.45	22.29	22.39	23.00
10	1	LOW	Q16	22.36	22.67	22.35	23.00
		MID	Q16	22.42	**22.72**	22.48	23.00
		HIGH	Q16	22.34	22.69	22.45	23.00
	25	LOW	Q16	21.42	21.30	21.52	22.00
		MID	Q16	21.54	21.41	21.61	22.00
		HIGH	Q16	21.55	21.38	21.58	22.00
	50	LOW	Q16	21.44	21.29	21.49	22.00
10	1	LOW	64QAM	21.42	21.66	21.09	22.00
		MID	64QAM	21.33	21.70	21.34	22.00
		HIGH	64QAM	21.35	**21.74**	21.33	22.00
	25	LOW	64QAM	20.23	20.11	20.55	21.50
		MID	64QAM	20.54	20.19	20.58	21.50
		HIGH	64QAM	20.47	20.30	20.53	21.50
	50	LOW	64QAM	20.24	20.35	20.36	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	23.25	23.25	23.25	24.00
		MID	QPSK	23.41	23.38	**23.47**	24.00
		HIGH	QPSK	23.29	23.30	23.41	24.00
	36	LOW	QPSK	22.34	22.31	22.41	23.00
		MID	QPSK	22.37	22.40	22.44	23.00
		HIGH	QPSK	22.46	22.41	22.41	23.00
	75	LOW	QPSK	22.43	22.40	22.41	23.00
15	1	LOW	Q16	22.27	22.60	22.59	23.00
		MID	Q16	22.39	22.73	**22.80**	23.00
		HIGH	Q16	22.23	22.63	22.79	23.00
	36	LOW	Q16	21.33	21.35	21.39	22.00
		MID	Q16	21.47	21.41	21.43	22.00
		HIGH	Q16	21.45	21.42	21.44	22.00
	75	LOW	Q16	21.39	21.35	21.44	22.00
15	1	LOW	64QAM	21.02	21.59	**21.65**	22.00
		MID	64QAM	21.18	21.57	21.51	22.00
		HIGH	64QAM	20.99	**21.65**	21.64	22.00
	36	LOW	64QAM	20.35	20.37	20.22	21.50
		MID	64QAM	20.42	20.47	20.35	21.50
		HIGH	64QAM	20.41	20.28	20.18	21.50
	75	LOW	64QAM	20.43	20.28	20.34	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	23.19	23.20	23.05	24.00
		MID	QPSK	**23.42**	23.40	23.39	24.00
		HIGH	QPSK	23.22	23.31	23.32	24.00
	50	LOW	QPSK	22.27	22.24	22.37	23.00
		MID	QPSK	22.44	22.36	22.43	23.00
		HIGH	QPSK	22.47	22.33	22.36	23.00
	100	LOW	QPSK	22.39	22.26	22.38	23.00
20	1	LOW	Q16	22.72	22.63	22.44	23.00
		MID	Q16	**22.94**	22.77	22.79	23.00
		HIGH	Q16	22.72	22.67	22.72	23.00
	50	LOW	Q16	21.32	21.23	21.33	22.00
		MID	Q16	21.47	21.37	21.42	22.00
		HIGH	Q16	21.53	21.37	21.43	22.00
	100	LOW	Q16	21.37	21.22	21.40	22.00
20	1	LOW	64QAM	21.55	21.36	21.42	22.00
		MID	64QAM	**21.82**	21.73	21.66	22.00
		HIGH	64QAM	21.73	21.47	21.69	22.00
	50	LOW	64QAM	20.32	20.18	20.08	21.50
		MID	64QAM	20.38	20.18	20.44	21.50
		HIGH	64QAM	20.35	20.35	20.26	21.50
	100	LOW	64QAM	20.14	20.25	20.26	21.50

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Bandwidth (MHz)	RB Size	RB offest	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.95	22.63	23.19	24.00
		MID	QPSK	23.16	22.94	23.25	24.00
		HIGH	QPSK	23.16	22.96	23.18	24.00
	3	LOW	QPSK	23.18	23.07	23.34	24.00
		MID	QPSK	23.28	23.10	23.37	24.00
		HIGH	QPSK	**23.38**	23.23	23.37	24.00
	6	LOW	QPSK	22.35	22.34	22.36	23.00
1.4	1	LOW	Q16	22.55	22.48	22.18	23.00
		MID	Q16	22.60	22.51	22.27	23.00
		HIGH	Q16	**22.62**	22.47	22.22	23.00
	3	LOW	Q16	22.17	22.40	22.48	23.00
		MID	Q16	22.06	22.41	22.49	23.00
		HIGH	Q16	21.91	22.41	22.49	23.00
	6	LOW	Q16	21.23	21.25	21.61	22.00
1.4	1	LOW	64QAM	21.48	21.47	21.25	22.00
		MID	64QAM	21.33	21.23	21.12	22.00
		HIGH	64QAM	**21.70**	21.20	21.11	22.00
	3	LOW	64QAM	20.95	21.46	21.51	22.00
		MID	64QAM	20.99	21.27	21.52	22.00
		HIGH	64QAM	20.78	21.28	21.22	22.00
	6	LOW	64QAM	20.13	20.07	20.33	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	23.03	23.10	23.21	24.00
		MID	QPSK	23.11	23.17	**23.23**	24.00
		HIGH	QPSK	23.02	23.06	23.17	24.00
	8	LOW	QPSK	22.34	22.29	22.36	23.00
		MID	QPSK	22.36	22.39	22.43	23.00
		HIGH	QPSK	22.29	22.32	22.32	23.00
	15	LOW	QPSK	22.29	22.26	22.35	23.00
3	1	LOW	Q16	22.03	22.45	22.20	23.00
		MID	Q16	22.12	**22.54**	22.23	23.00
		HIGH	Q16	21.98	22.44	22.15	23.00
	8	LOW	Q16	21.45	21.36	21.45	22.00
		MID	Q16	21.48	21.45	21.54	22.00
		HIGH	Q16	21.42	21.33	21.46	22.00
	15	LOW	Q16	21.37	21.24	21.35	22.00
3	1	LOW	64QAM	21.09	21.38	21.01	22.00
		MID	64QAM	21.03	**21.49**	20.96	22.00
		HIGH	64QAM	20.88	21.46	21.09	22.00
	8	LOW	64QAM	20.50	20.42	20.38	21.50
		MID	64QAM	20.37	20.24	20.40	21.50
		HIGH	64QAM	20.28	20.23	20.26	21.50
	15	LOW	64QAM	20.36	20.31	20.32	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	23.33	23.26	23.36	24.00
		MID	QPSK	**23.50**	23.39	23.47	24.00
		HIGH	QPSK	23.37	23.29	23.37	24.00
	12	LOW	QPSK	22.40	22.26	22.37	23.00
		MID	QPSK	22.47	22.37	22.45	23.00
		HIGH	QPSK	22.43	22.32	22.39	23.00
	25	LOW	QPSK	22.41	22.30	22.43	23.00
5	1	LOW	Q16	22.60	22.73	22.43	23.00
		MID	Q16	22.67	**22.87**	22.55	23.00
		HIGH	Q16	22.60	22.76	22.51	23.00
	12	LOW	Q16	21.49	21.39	21.53	22.00
		MID	Q16	21.55	21.54	21.59	22.00
		HIGH	Q16	21.55	21.50	21.53	22.00
	25	LOW	Q16	21.48	21.39	21.49	22.00
5	1	LOW	64QAM	21.43	21.53	21.47	22.00
		MID	64QAM	21.47	**21.77**	21.47	22.00
		HIGH	64QAM	21.61	21.54	21.31	22.00
	12	LOW	64QAM	20.56	20.47	20.25	21.50
		MID	64QAM	20.28	20.43	20.39	21.50
		HIGH	64QAM	20.63	20.48	20.44	21.50
	25	LOW	64QAM	20.33	20.39	20.44	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	23.38	23.30	23.33	24.00
		MID	QPSK	23.44	23.41	**23.49**	24.00
		HIGH	QPSK	23.39	23.33	23.46	24.00
	25	LOW	QPSK	22.36	22.22	22.34	23.00
		MID	QPSK	22.45	22.33	22.44	23.00
		HIGH	QPSK	22.47	22.31	22.40	23.00
	50	LOW	QPSK	22.45	22.29	22.39	23.00
10	1	LOW	Q16	22.36	22.67	22.35	23.00
		MID	Q16	22.42	**22.72**	22.48	23.00
		HIGH	Q16	22.34	22.69	22.45	23.00
	25	LOW	Q16	21.42	21.30	21.52	22.00
		MID	Q16	21.54	21.41	21.61	22.00
		HIGH	Q16	21.55	21.38	21.58	22.00
	50	LOW	Q16	21.44	21.29	21.49	22.00
10	1	LOW	64QAM	21.42	21.66	21.09	22.00
		MID	64QAM	21.33	21.70	21.34	22.00
		HIGH	64QAM	21.35	**21.74**	21.33	22.00
	25	LOW	64QAM	20.23	20.11	20.55	21.50
		MID	64QAM	20.54	20.19	20.58	21.50
		HIGH	64QAM	20.47	20.30	20.53	21.50
	50	LOW	64QAM	20.24	20.35	20.36	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	23.25	23.25	23.25	24.00
		MID	QPSK	23.41	23.38	**23.47**	24.00
		HIGH	QPSK	23.29	23.30	23.41	24.00
	36	LOW	QPSK	22.34	22.31	22.41	23.00
		MID	QPSK	22.37	22.40	22.44	23.00
		HIGH	QPSK	22.46	22.41	22.41	23.00
	75	LOW	QPSK	22.43	22.40	22.41	23.00
15	1	LOW	Q16	22.27	22.60	22.59	23.00
		MID	Q16	22.39	22.73	**22.80**	23.00
		HIGH	Q16	22.23	22.63	22.79	23.00
	36	LOW	Q16	21.33	21.35	21.39	22.00
		MID	Q16	21.47	21.41	21.43	22.00
		HIGH	Q16	21.45	21.42	21.44	22.00
	75	LOW	Q16	21.39	21.35	21.44	22.00
15	1	LOW	64QAM	21.02	21.59	**21.65**	22.00
		MID	64QAM	21.18	21.57	21.51	22.00
		HIGH	64QAM	20.99	**21.65**	21.64	22.00
	36	LOW	64QAM	20.35	20.37	20.22	21.50
		MID	64QAM	20.42	20.47	20.35	21.50
		HIGH	64QAM	20.41	20.28	20.18	21.50
	75	LOW	64QAM	20.43	20.28	20.34	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	23.19	23.20	23.05	24.00
		MID	QPSK	**23.42**	23.40	23.39	24.00
		HIGH	QPSK	23.22	23.31	23.32	24.00
	50	LOW	QPSK	22.27	22.24	22.37	23.00
		MID	QPSK	22.44	22.36	22.43	23.00
		HIGH	QPSK	22.47	22.33	22.36	23.00
	100	LOW	QPSK	22.39	22.26	22.38	23.00
20	1	LOW	Q16	22.72	22.63	22.44	23.00
		MID	Q16	**22.94**	22.77	22.79	23.00
		HIGH	Q16	22.72	22.67	22.72	23.00
	50	LOW	Q16	21.32	21.23	21.33	22.00
		MID	Q16	21.47	21.37	21.42	22.00
		HIGH	Q16	21.53	21.37	21.43	22.00
	100	LOW	Q16	21.37	21.22	21.40	22.00
20	1	LOW	64QAM	21.55	21.36	21.42	22.00
		MID	64QAM	**21.82**	21.73	21.66	22.00
		HIGH	64QAM	21.73	21.47	21.69	22.00
	50	LOW	64QAM	20.32	20.18	20.08	21.50
		MID	64QAM	20.38	20.18	20.44	21.50
		HIGH	64QAM	20.35	20.35	20.26	21.50
	100	LOW	64QAM	20.14	20.25	20.26	21.50

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Bandwidth (MHz)	RB Size	RB offest	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.95	22.63	23.19	24.00
		MID	QPSK	23.16	22.94	23.25	24.00
		HIGH	QPSK	23.16	22.96	23.18	24.00
	3	LOW	QPSK	23.18	23.07	23.34	24.00
		MID	QPSK	23.28	23.10	23.37	24.00
		HIGH	QPSK	**23.38**	23.23	23.37	24.00
	6	LOW	QPSK	22.35	22.34	22.36	23.00
1.4	1	LOW	Q16	22.55	22.48	22.18	23.00
		MID	Q16	22.60	22.51	22.27	23.00
		HIGH	Q16	**22.62**	22.47	22.22	23.00
	3	LOW	Q16	22.17	22.40	22.48	23.00
		MID	Q16	22.06	22.41	22.49	23.00
		HIGH	Q16	21.91	22.41	22.49	23.00
	6	LOW	Q16	21.23	21.25	21.61	22.00
1.4	1	LOW	64QAM	21.48	21.47	21.25	22.00
		MID	64QAM	21.33	21.23	21.12	22.00
		HIGH	64QAM	**21.70**	21.20	21.11	22.00
	3	LOW	64QAM	20.95	21.46	21.51	22.00
		MID	64QAM	20.99	21.27	21.52	22.00
		HIGH	64QAM	20.78	21.28	21.22	22.00
	6	LOW	64QAM	20.13	20.07	20.33	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	23.03	23.10	23.21	24.00
		MID	QPSK	23.11	23.17	**23.23**	24.00
		HIGH	QPSK	23.02	23.06	23.17	24.00
	8	LOW	QPSK	22.34	22.29	22.36	23.00
		MID	QPSK	22.36	22.39	22.43	23.00
		HIGH	QPSK	22.29	22.32	22.32	23.00
	15	LOW	QPSK	22.29	22.26	22.35	23.00
3	1	LOW	Q16	22.03	22.45	22.20	23.00
		MID	Q16	22.12	**22.54**	22.23	23.00
		HIGH	Q16	21.98	22.44	22.15	23.00
	8	LOW	Q16	21.45	21.36	21.45	22.00
		MID	Q16	21.48	21.45	21.54	22.00
		HIGH	Q16	21.42	21.33	21.46	22.00
	15	LOW	Q16	21.37	21.24	21.35	22.00
3	1	LOW	64QAM	21.09	21.38	21.01	22.00
		MID	64QAM	21.03	**21.49**	20.96	22.00
		HIGH	64QAM	20.88	21.46	21.09	22.00
	8	LOW	64QAM	20.50	20.42	20.38	21.50
		MID	64QAM	20.37	20.24	20.40	21.50
		HIGH	64QAM	20.28	20.23	20.26	21.50
	15	LOW	64QAM	20.36	20.31	20.32	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	23.33	23.26	23.36	24.00
		MID	QPSK	**23.50**	23.39	23.47	24.00
		HIGH	QPSK	23.37	23.29	23.37	24.00
	12	LOW	QPSK	22.40	22.26	22.37	23.00
		MID	QPSK	22.47	22.37	22.45	23.00
		HIGH	QPSK	22.43	22.32	22.39	23.00
	25	LOW	QPSK	22.41	22.30	22.43	23.00
5	1	LOW	Q16	22.60	22.73	22.43	23.00
		MID	Q16	22.67	**22.87**	22.55	23.00
		HIGH	Q16	22.60	22.76	22.51	23.00
	12	LOW	Q16	21.49	21.39	21.53	22.00
		MID	Q16	21.55	21.54	21.59	22.00
		HIGH	Q16	21.55	21.50	21.53	22.00
	25	LOW	Q16	21.48	21.39	21.49	22.00
5	1	LOW	64QAM	21.43	21.53	21.47	22.00
		MID	64QAM	21.47	**21.77**	21.47	22.00
		HIGH	64QAM	21.61	21.54	21.31	22.00
	12	LOW	64QAM	20.56	20.47	20.25	21.50
		MID	64QAM	20.28	20.43	20.39	21.50
		HIGH	64QAM	20.63	20.48	20.44	21.50
	25	LOW	64QAM	20.33	20.39	20.44	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	23.38	23.30	23.33	24.00
		MID	QPSK	23.44	23.41	**23.49**	24.00
		HIGH	QPSK	23.39	23.33	23.46	24.00
	25	LOW	QPSK	22.36	22.22	22.34	23.00
		MID	QPSK	22.45	22.33	22.44	23.00
		HIGH	QPSK	22.47	22.31	22.40	23.00
	50	LOW	QPSK	22.45	22.29	22.39	23.00
10	1	LOW	Q16	22.36	22.67	22.35	23.00
		MID	Q16	22.42	**22.72**	22.48	23.00
		HIGH	Q16	22.34	22.69	22.45	23.00
	25	LOW	Q16	21.42	21.30	21.52	22.00
		MID	Q16	21.54	21.41	21.61	22.00
		HIGH	Q16	21.55	21.38	21.58	22.00
	50	LOW	Q16	21.44	21.29	21.49	22.00
10	1	LOW	64QAM	21.42	21.66	21.09	22.00
		MID	64QAM	21.33	21.70	21.34	22.00
		HIGH	64QAM	21.35	**21.74**	21.33	22.00
	25	LOW	64QAM	20.23	20.11	20.55	21.50
		MID	64QAM	20.54	20.19	20.58	21.50
		HIGH	64QAM	20.47	20.30	20.53	21.50
	50	LOW	64QAM	20.24	20.35	20.36	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	23.25	23.25	23.25	24.00
		MID	QPSK	23.41	23.38	**23.47**	24.00
		HIGH	QPSK	23.29	23.30	23.41	24.00
	36	LOW	QPSK	22.34	22.31	22.41	23.00
		MID	QPSK	22.37	22.40	22.44	23.00
		HIGH	QPSK	22.46	22.41	22.41	23.00
	75	LOW	QPSK	22.43	22.40	22.41	23.00
15	1	LOW	Q16	22.27	22.60	22.59	23.00
		MID	Q16	22.39	22.73	**22.80**	23.00
		HIGH	Q16	22.23	22.63	22.79	23.00
	36	LOW	Q16	21.33	21.35	21.39	22.00
		MID	Q16	21.47	21.41	21.43	22.00
		HIGH	Q16	21.45	21.42	21.44	22.00
	75	LOW	Q16	21.39	21.35	21.44	22.00
15	1	LOW	64QAM	21.02	21.59	**21.65**	22.00
		MID	64QAM	21.18	21.57	21.51	22.00
		HIGH	64QAM	20.99	**21.65**	21.64	22.00
	36	LOW	64QAM	20.35	20.37	20.22	21.50
		MID	64QAM	20.42	20.47	20.35	21.50
		HIGH	64QAM	20.41	20.28	20.18	21.50
	75	LOW	64QAM	20.43	20.28	20.34	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	23.19	23.20	23.05	24.00
		MID	QPSK	**23.42**	23.40	23.39	24.00
		HIGH	QPSK	23.22	23.31	23.32	24.00
	50	LOW	QPSK	22.27	22.24	22.37	23.00
		MID	QPSK	22.44	22.36	22.43	23.00
		HIGH	QPSK	22.47	22.33	22.36	23.00
	100	LOW	QPSK	22.39	22.26	22.38	23.00
20	1	LOW	Q16	22.72	22.63	22.44	23.00
		MID	Q16	**22.94**	22.77	22.79	23.00
		HIGH	Q16	22.72	22.67	22.72	23.00
	50	LOW	Q16	21.32	21.23	21.33	22.00
		MID	Q16	21.47	21.37	21.42	22.00
		HIGH	Q16	21.53	21.37	21.43	22.00
	100	LOW	Q16	21.37	21.22	21.40	22.00
20	1	LOW	64QAM	21.55	21.36	21.42	22.00
		MID	64QAM	**21.82**	21.73	21.66	22.00
		HIGH	64QAM	21.73	21.47	21.69	22.00
	50	LOW	64QAM	20.32	20.18	20.08	21.50
		MID	64QAM	20.38	20.18	20.44	21.50
		HIGH	64QAM	20.35	20.35	20.26	21.50
	100	LOW	64QAM	20.14	20.25	20.26	21.50

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Bandwidth (MHz)	RB Size	RB offest	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	19.91	19.89	20.02	21.00
		MID	QPSK	19.97	19.95	20.07	21.00
		HIGH	QPSK	19.93	19.91	19.93	21.00
	3	LOW	QPSK	20.01	19.99	20.10	21.00
		MID	QPSK	20.07	20.02	**20.16**	21.00
		HIGH	QPSK	20.04	19.99	20.14	21.00
	6	LOW	QPSK	20.10	20.09	20.15	21.00
1.4	1	LOW	Q16	20.11	20.29	20.04	21.00
		MID	Q16	20.15	20.30	20.12	21.00
		HIGH	Q16	20.09	20.25	20.07	21.00
	3	LOW	Q16	20.14	20.22	20.32	21.00
		MID	Q16	20.16	20.22	20.34	21.00
		HIGH	Q16	20.16	20.21	20.33	21.00
	6	LOW	Q16	20.33	19.98	**20.37**	21.00
1.4	1	LOW	64QAM	19.99	20.25	19.92	21.00
		MID	64QAM	19.83	19.91	19.81	21.00
		HIGH	64QAM	19.76	19.99	20.06	21.00
	3	LOW	64QAM	19.98	20.13	20.04	21.00
		MID	64QAM	19.94	20.19	20.12	21.00
		HIGH	64QAM	19.95	19.89	**20.30**	21.00
	6	LOW	64QAM	19.98	19.83	20.06	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	19.80	19.80	19.89	21.00
		MID	QPSK	19.91	19.87	19.99	21.00
		HIGH	QPSK	19.83	19.78	19.89	21.00
	8	LOW	QPSK	20.10	20.02	20.10	21.00
		MID	QPSK	20.14	20.09	**20.19**	21.00
		HIGH	QPSK	20.06	20.05	20.10	21.00
	15	LOW	QPSK	20.03	19.95	20.09	21.00
3	1	LOW	Q16	19.79	20.15	19.98	21.00
		MID	Q16	19.95	**20.27**	20.02	21.00
		HIGH	Q16	19.80	20.17	20.00	21.00
	8	LOW	Q16	20.20	20.14	20.18	21.00
		MID	Q16	20.26	20.17	**20.27**	21.00
		HIGH	Q16	20.19	20.10	20.19	21.00
	15	LOW	Q16	20.12	19.96	20.09	21.00
3	1	LOW	64QAM	19.48	19.90	19.63	21.00
		MID	64QAM	19.56	**20.17**	19.90	21.00
		HIGH	64QAM	19.46	20.09	19.94	21.00
	8	LOW	64QAM	20.03	20.12	20.09	21.00
		MID	64QAM	19.87	19.91	19.95	21.00
		HIGH	64QAM	19.91	19.74	**20.17**	21.00
	15	LOW	64QAM	19.93	19.75	20.03	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	20.10	20.02	20.17	21.00
		MID	QPSK	**20.27**	20.19	20.23	21.00
		HIGH	QPSK	20.13	20.08	20.18	21.00
	12	LOW	QPSK	20.11	19.98	20.18	21.00
		MID	QPSK	20.19	20.11	20.26	21.00
		HIGH	QPSK	20.16	20.05	20.19	21.00
	25	LOW	QPSK	20.13	20.00	20.21	21.00
5	1	LOW	Q16	20.34	20.48	20.32	21.00
		MID	Q16	20.44	20.50	20.41	21.00
		HIGH	Q16	20.34	**20.55**	20.38	21.00
	12	LOW	Q16	20.15	20.16	20.26	21.00
		MID	Q16	20.31	20.27	20.37	21.00
		HIGH	Q16	20.26	20.23	20.27	21.00
	25	LOW	Q16	20.22	20.14	20.21	21.00
5	1	LOW	64QAM	20.21	19.76	20.02	21.00
		MID	64QAM	20.28	20.12	20.09	21.00
		HIGH	64QAM	**20.32**	19.82	20.29	21.00
	12	LOW	64QAM	20.09	19.82	19.90	21.00
		MID	64QAM	20.03	20.12	20.14	21.00
		HIGH	64QAM	20.09	20.03	19.92	21.00
	25	LOW	64QAM	20.20	19.91	19.87	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	20.11	20.10	20.21	21.00
		MID	QPSK	20.21	20.17	**20.32**	21.00
		HIGH	QPSK	20.15	20.13	**20.32**	21.00
	25	LOW	QPSK	20.06	19.96	20.17	21.00
		MID	QPSK	20.19	20.11	20.29	21.00
		HIGH	QPSK	20.19	20.05	20.20	21.00
	50	LOW	QPSK	20.14	20.04	20.22	21.00
10	1	LOW	Q16	20.18	20.48	20.20	21.00
		MID	Q16	20.23	**20.58**	20.37	21.00
		HIGH	Q16	20.20	20.54	20.33	21.00
	25	LOW	Q16	20.18	20.11	20.32	21.00
		MID	Q16	20.25	20.16	20.45	21.00
		HIGH	Q16	20.26	20.16	20.37	21.00
	50	LOW	Q16	20.15	20.08	20.27	21.00
10	1	LOW	64QAM	19.88	20.20	19.81	21.00
		MID	64QAM	20.08	20.38	20.11	21.00
		HIGH	64QAM	19.99	**20.51**	19.98	21.00
	25	LOW	64QAM	19.86	20.03	20.25	21.00
		MID	64QAM	20.11	20.00	20.20	21.00
		HIGH	64QAM	20.20	19.85	20.16	21.00
	50	LOW	64QAM	19.87	19.84	19.88	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	20.07	20.07	20.07	21.00
		MID	QPSK	20.18	20.21	20.29	21.00
		HIGH	QPSK	20.10	20.12	20.20	21.00
	36	LOW	QPSK	20.08	20.11	20.27	21.00
		MID	QPSK	20.22	20.17	**20.30**	21.00
		HIGH	QPSK	20.24	20.24	20.29	21.00
	75	LOW	QPSK	20.20	20.18	20.29	21.00
15	1	LOW	Q16	20.06	20.43	20.56	21.00
		MID	Q16	20.22	**20.60**	20.39	21.00
		HIGH	Q16	20.07	20.51	20.31	21.00
	36	LOW	Q16	20.08	20.13	20.19	21.00
		MID	Q16	20.21	20.18	20.28	21.00
		HIGH	Q16	20.23	20.22	20.26	21.00
	75	LOW	Q16	20.18	20.14	20.20	21.00
15	1	LOW	64QAM	19.70	20.22	**20.40**	21.00
		MID	64QAM	19.93	20.32	20.26	21.00
		HIGH	64QAM	19.96	20.19	20.15	21.00
	36	LOW	64QAM	19.89	19.74	19.81	21.00
		MID	64QAM	19.86	19.89	20.24	21.00
		HIGH	64QAM	19.99	20.01	20.22	21.00
	75	LOW	64QAM	19.93	20.10	20.11	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	20.00	19.99	19.93	21.00
		MID	QPSK	20.22	20.24	20.25	21.00
		HIGH	QPSK	20.05	20.15	20.14	21.00
	50	LOW	QPSK	20.05	20.00	20.18	21.00
		MID	QPSK	20.21	20.14	**20.26**	21.00
		HIGH	QPSK	**20.26**	20.11	20.21	21.00
	100	LOW	QPSK	20.17	20.05	20.16	21.00
20	1	LOW	Q16	20.14	20.07	19.96	21.00
		MID	Q16	**20.35**	20.29	20.30	21.00
		HIGH	Q16	20.16	20.21	20.26	21.00
	50	LOW	Q16	20.11	20.04	20.21	21.00
		MID	Q16	20.25	20.20	20.28	21.00
		HIGH	Q16	20.31	20.13	20.29	21.00
	100	LOW	Q16	20.22	20.07	20.22	21.00
20	1	LOW	64QAM	20.10	19.75	19.70	21.00
		MID	64QAM	20.00	20.12	19.96	21.00
		HIGH	64QAM	20.10	19.93	20.11	21.00
	50	LOW	64QAM	19.72	19.85	19.94	21.00
		MID	64QAM	20.00	19.90	19.99	21.00
		HIGH	64QAM	19.97	20.04	**20.25**	21.00
	100	LOW	64QAM	19.85	20.05	20.19	21.00

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Bandwidth (MHz)	RB Size	RB offest	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	18.97	18.89	18.99	20.00
		MID	QPSK	18.99	18.95	19.07	20.00
		HIGH	QPSK	18.96	18.90	18.97	20.00
	3	LOW	QPSK	19.07	19.01	19.14	20.00
		MID	QPSK	19.09	19.03	19.16	20.00
		HIGH	QPSK	19.09	19.03	19.17	20.00
	6	LOW	QPSK	19.11	19.07	**19.19**	20.00
1.4	1	LOW	Q16	19.09	19.26	19.02	20.00
		MID	Q16	19.15	19.31	19.10	20.00
		HIGH	Q16	19.07	19.29	19.10	20.00
	3	LOW	Q16	19.13	19.17	19.31	20.00
		MID	Q16	19.13	19.18	**19.37**	20.00
		HIGH	Q16	19.15	19.18	19.35	20.00
	6	LOW	Q16	19.29	18.98	**19.37**	20.00
1.4	1	LOW	64QAM	18.87	19.10	18.85	20.00
		MID	64QAM	19.13	19.24	18.86	20.00
		HIGH	64QAM	18.96	19.08	19.00	20.00
	3	LOW	64QAM	18.79	19.02	19.27	20.00
		MID	64QAM	19.02	19.12	19.04	20.00
		HIGH	64QAM	19.10	19.07	**19.28**	20.00
	6	LOW	64QAM	18.98	18.60	19.21	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	18.85	18.80	18.93	20.00
		MID	QPSK	18.92	18.92	18.99	20.00
		HIGH	QPSK	18.84	18.83	18.94	20.00
	8	LOW	QPSK	19.10	19.04	19.16	20.00
		MID	QPSK	19.14	19.08	**19.18**	20.00
		HIGH	QPSK	19.06	19.03	19.13	20.00
	15	LOW	QPSK	19.06	19.01	19.15	20.00
3	1	LOW	Q16	18.83	19.15	19.00	20.00
		MID	Q16	18.88	**19.27**	19.05	20.00
		HIGH	Q16	18.80	19.17	18.95	20.00
	8	LOW	Q16	19.20	19.11	19.19	20.00
		MID	Q16	19.25	19.14	19.26	20.00
		HIGH	Q16	19.17	19.06	19.18	20.00
	15	LOW	Q16	19.08	18.98	19.10	20.00
3	1	LOW	64QAM	18.78	19.14	18.86	20.00
		MID	64QAM	18.74	**19.24**	18.86	20.00
		HIGH	64QAM	18.73	18.96	18.84	20.00
	8	LOW	64QAM	18.88	18.94	19.00	20.00
		MID	64QAM	19.02	18.97	19.19	20.00
		HIGH	64QAM	19.04	18.71	19.14	20.00
	15	LOW	64QAM	18.99	18.76	19.01	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	19.12	19.02	19.21	20.00
		MID	QPSK	19.32	19.22	**19.34**	20.00
		HIGH	QPSK	19.15	19.08	19.17	20.00
	12	LOW	QPSK	19.13	19.00	19.21	20.00
		MID	QPSK	19.19	19.14	19.27	20.00
		HIGH	QPSK	19.18	19.07	19.20	20.00
	25	LOW	QPSK	19.17	19.02	19.24	20.00
5	1	LOW	Q16	19.29	19.45	19.33	20.00
		MID	Q16	19.43	**19.66**	19.45	20.00
		HIGH	Q16	19.33	19.54	19.35	20.00
	12	LOW	Q16	19.21	19.08	19.27	20.00
		MID	Q16	19.29	19.25	19.34	20.00
		HIGH	Q16	19.25	19.19	19.27	20.00
	25	LOW	Q16	19.19	19.15	19.23	20.00
5	1	LOW	64QAM	18.91	19.13	19.13	20.00
		MID	64QAM	19.33	19.38	**19.43**	20.00
		HIGH	64QAM	18.99	19.16	19.22	20.00
	12	LOW	64QAM	19.10	18.84	19.12	20.00
		MID	64QAM	19.04	18.94	19.05	20.00
		HIGH	64QAM	19.06	19.00	18.88	20.00
	25	LOW	64QAM	19.04	18.83	19.13	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	19.16	19.11	19.15	20.00
		MID	QPSK	19.23	19.22	**19.32**	20.00
		HIGH	QPSK	19.17	19.17	19.27	20.00
	25	LOW	QPSK	19.07	18.99	19.18	20.00
		MID	QPSK	19.24	19.14	19.29	20.00
		HIGH	QPSK	19.21	19.09	19.27	20.00
	50	LOW	QPSK	19.16	19.07	19.23	20.00
10	1	LOW	Q16	19.14	19.45	19.18	20.00
		MID	Q16	19.21	**19.53**	19.34	20.00
		HIGH	Q16	19.15	19.49	19.34	20.00
	25	LOW	Q16	19.13	19.05	19.31	20.00
		MID	Q16	19.27	19.17	19.42	20.00
		HIGH	Q16	19.26	19.14	19.36	20.00
	50	LOW	Q16	19.17	19.05	19.23	20.00
10	1	LOW	64QAM	18.93	**19.41**	19.17	20.00
		MID	64QAM	19.01	19.16	19.22	20.00
		HIGH	64QAM	18.99	19.14	19.11	20.00
	25	LOW	64QAM	19.08	18.73	19.28	20.00
		MID	64QAM	18.93	19.07	19.22	20.00
		HIGH	64QAM	19.22	18.85	19.03	20.00
	50	LOW	64QAM	18.90	18.75	19.19	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	19.03	19.06	19.09	20.00
		MID	QPSK	19.20	19.20	**19.33**	20.00
		HIGH	QPSK	19.12	19.10	19.26	20.00
	36	LOW	QPSK	19.09	19.06	19.21	20.00
		MID	QPSK	19.20	19.14	19.28	20.00
		HIGH	QPSK	19.23	19.15	19.28	20.00
	75	LOW	QPSK	19.20	19.15	19.28	20.00
15	1	LOW	Q16	19.02	19.38	19.46	20.00
		MID	Q16	19.18	19.54	**19.72**	20.00
		HIGH	Q16	19.04	19.47	19.69	20.00
	36	LOW	Q16	19.10	19.11	19.17	20.00
		MID	Q16	19.19	19.18	19.25	20.00
		HIGH	Q16	19.22	19.18	19.23	20.00
	75	LOW	Q16	19.20	19.15	19.22	20.00
15	1	LOW	64QAM	18.91	19.37	19.07	20.00
		MID	64QAM	18.93	19.47	19.36	20.00
		HIGH	64QAM	18.67	19.28	**19.55**	20.00
	36	LOW	64QAM	18.94	18.80	19.08	20.00
		MID	64QAM	19.13	19.09	18.93	20.00
		HIGH	64QAM	19.15	19.03	19.22	20.00
	75	LOW	64QAM	18.87	18.91	18.96	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	19.02	19.02	18.90	20.00
		MID	QPSK	19.25	19.25	19.24	20.00
		HIGH	QPSK	19.06	19.16	19.16	20.00
	50	LOW	QPSK	19.04	19.00	19.17	20.00
		MID	QPSK	19.24	19.15	19.22	20.00
		HIGH	QPSK	**19.27**	19.10	19.22	20.00
	100	LOW	QPSK	19.15	19.05	19.19	20.00
20	1	LOW	Q16	19.48	19.42	19.28	20.00
		MID	Q16	**19.74**	19.65	19.65	20.00
		HIGH	Q16	19.50	19.54	19.59	20.00
	50	LOW	Q16	19.07	18.99	19.14	20.00
		MID	Q16	19.24	19.15	19.21	20.00
		HIGH	Q16	19.28	19.13	19.17	20.00
	100	LOW	Q16	19.16	19.02	19.14	20.00
20	1	LOW	64QAM	19.22	19.23	19.06	20.00
		MID	64QAM	19.37	19.30	19.33	20.00
		HIGH	64QAM	19.13	**19.52**	19.44	20.00
	50	LOW	64QAM	19.04	18.95	18.82	20.00
		MID	64QAM	18.91	19.09	18.94	20.00
		HIGH	64QAM	18.91	18.81	18.91	20.00
	100	LOW	64QAM	19.00	18.73	18.85	20.00

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Bandwidth (MHz)	RB Size	RB offest	Modulation	20407	20525	20643	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.20	23.22	23.17	24.50
		MID	QPSK	23.26	23.27	23.24	24.50
		HIGH	QPSK	23.25	23.23	23.12	24.50
	3	LOW	QPSK	23.32	23.27	23.30	24.50
		MID	QPSK	**23.33**	**23.33**	**23.33**	24.50
		HIGH	QPSK	23.28	23.28	23.30	24.50
	6	LOW	QPSK	22.37	22.34	22.29	23.50
1.4	1	LOW	Q16	22.32	22.54	22.16	23.50
		MID	Q16	22.36	**22.63**	22.27	23.50
		HIGH	Q16	22.30	22.55	22.18	23.50
	3	LOW	Q16	22.32	22.49	22.43	23.50
		MID	Q16	22.35	22.49	22.47	23.50
		HIGH	Q16	22.33	22.49	22.44	23.50
	6	LOW	Q16	21.53	21.30	21.51	22.50
1.4	1	LOW	64QAM	21.02	21.32	20.82	22.50
		MID	64QAM	20.99	**21.61**	21.09	22.50
		HIGH	64QAM	21.29	21.19	20.94	22.50
	3	LOW	64QAM	21.30	21.10	21.36	22.50
		MID	64QAM	21.12	21.36	21.30	22.50
		HIGH	64QAM	21.19	21.47	21.33	22.50
	6	LOW	64QAM	20.45	20.00	20.43	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20415	20525	20635	Tune-up power(dBm)
3	1	LOW	QPSK	23.11	23.12	23.02	24.50
		MID	QPSK	**23.22**	**23.22**	23.21	24.50
		HIGH	QPSK	23.13	23.14	23.03	24.50
	8	LOW	QPSK	22.36	22.30	22.28	23.50
		MID	QPSK	22.38	22.37	22.36	23.50
		HIGH	QPSK	22.28	22.32	22.23	23.50
	15	LOW	QPSK	22.27	22.32	22.28	23.50
3	1	LOW	Q16	22.03	22.49	22.12	23.50
		MID	Q16	22.09	**22.62**	22.16	23.50
		HIGH	Q16	22.02	22.49	22.12	23.50
	8	LOW	Q16	21.44	21.41	21.32	22.50
		MID	Q16	21.49	21.49	21.39	22.50
		HIGH	Q16	21.40	21.41	21.32	22.50
	15	LOW	Q16	21.33	21.32	21.23	22.50
3	1	LOW	64QAM	21.14	21.40	20.99	22.50
		MID	64QAM	20.95	**21.68**	21.31	22.50
		HIGH	64QAM	20.83	21.48	21.06	22.50
	8	LOW	64QAM	20.52	20.58	20.19	21.50
		MID	64QAM	20.57	20.44	20.51	21.50
		HIGH	64QAM	20.47	20.35	20.17	21.50
	15	LOW	64QAM	20.22	20.18	20.26	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	23.38	23.37	23.31	24.50
		MID	QPSK	**23.49**	23.47	23.43	24.50
		HIGH	QPSK	23.42	23.43	23.32	24.50
	12	LOW	QPSK	22.36	22.35	22.40	23.50
		MID	QPSK	22.43	22.46	22.39	23.50
		HIGH	QPSK	22.42	22.47	22.32	23.50
	25	LOW	QPSK	22.42	22.45	22.35	23.50
5	1	LOW	Q16	22.46	22.86	22.42	23.50
		MID	Q16	22.60	**23.03**	22.58	23.50
		HIGH	Q16	22.59	22.91	22.46	23.50
	12	LOW	Q16	21.46	21.47	21.43	22.50
		MID	Q16	21.52	21.60	21.48	22.50
		HIGH	Q16	21.43	21.59	21.38	22.50
	25	LOW	Q16	21.45	21.54	21.36	22.50
5	1	LOW	64QAM	21.37	21.68	21.27	22.50
		MID	64QAM	21.50	**22.00**	21.73	22.50
		HIGH	64QAM	21.53	21.89	21.59	22.50
	12	LOW	64QAM	20.36	20.45	20.41	21.50
		MID	64QAM	20.43	20.70	20.62	21.50
		HIGH	64QAM	20.29	20.59	20.40	21.50
	25	LOW	64QAM	20.39	20.59	20.44	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20450	20525	20600	Tune-up power(dBm)
10	1	LOW	QPSK	23.39	23.45	23.37	24.50
		MID	QPSK	23.48	**23.51**	23.45	24.50
		HIGH	QPSK	23.43	23.39	23.42	24.50
	25	LOW	QPSK	22.43	22.34	22.35	23.50
		MID	QPSK	22.46	22.49	22.42	23.50
		HIGH	QPSK	22.41	22.45	22.32	23.50
	50	LOW	QPSK	22.43	22.48	22.38	23.50
10	1	LOW	Q16	22.33	22.80	22.46	23.50
		MID	Q16	22.41	**22.88**	22.43	23.50
		HIGH	Q16	22.42	22.80	22.50	23.50
	25	LOW	Q16	21.49	21.40	21.44	22.50
		MID	Q16	21.48	21.57	21.51	22.50
		HIGH	Q16	21.42	21.59	21.45	22.50
	50	LOW	Q16	21.45	21.50	21.35	22.50
10	1	LOW	64QAM	21.51	**21.93**	21.59	22.50
		MID	64QAM	21.43	21.80	21.31	22.50
		HIGH	64QAM	21.24	21.83	21.68	22.50
	25	LOW	64QAM	20.61	20.37	20.25	21.50
		MID	64QAM	20.53	20.42	20.41	21.50
		HIGH	64QAM	20.36	20.42	20.32	21.50
	50	LOW	64QAM	20.56	20.40	20.53	21.50

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Bandwidth (MHz)	RB Size	RB offest	Modulation	20407	20525	20643	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.20	23.22	23.17	24.50
		MID	QPSK	23.26	23.27	23.24	24.50
		HIGH	QPSK	23.25	23.23	23.12	24.50
	3	LOW	QPSK	23.32	23.27	23.30	24.50
		MID	QPSK	**23.33**	**23.33**	**23.33**	24.50
		HIGH	QPSK	23.28	23.28	23.30	24.50
	6	LOW	QPSK	22.37	22.34	22.29	23.50
1.4	1	LOW	Q16	22.32	22.54	22.16	23.50
		MID	Q16	22.36	**22.63**	22.27	23.50
		HIGH	Q16	22.30	22.55	22.18	23.50
	3	LOW	Q16	22.32	22.49	22.43	23.50
		MID	Q16	22.35	22.49	22.47	23.50
		HIGH	Q16	22.33	22.49	22.44	23.50
	6	LOW	Q16	21.53	21.30	21.51	22.50
1.4	1	LOW	64QAM	21.02	21.32	20.82	22.50
		MID	64QAM	20.99	**21.61**	21.09	22.50
		HIGH	64QAM	21.29	21.19	20.94	22.50
	3	LOW	64QAM	21.30	21.10	21.36	22.50
		MID	64QAM	21.12	21.36	21.30	22.50
		HIGH	64QAM	21.19	21.47	21.33	22.50
	6	LOW	64QAM	20.45	20.00	20.43	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20415	20525	20635	Tune-up power(dBm)
3	1	LOW	QPSK	23.11	23.12	23.02	24.50
		MID	QPSK	**23.22**	**23.22**	23.21	24.50
		HIGH	QPSK	23.13	23.14	23.03	24.50
	8	LOW	QPSK	22.36	22.30	22.28	23.50
		MID	QPSK	22.38	22.37	22.36	23.50
		HIGH	QPSK	22.28	22.32	22.23	23.50
	15	LOW	QPSK	22.27	22.32	22.28	23.50
3	1	LOW	Q16	22.03	22.49	22.12	23.50
		MID	Q16	22.09	**22.62**	22.16	23.50
		HIGH	Q16	22.02	22.49	22.12	23.50
	8	LOW	Q16	21.44	21.41	21.32	22.50
		MID	Q16	21.49	21.49	21.39	22.50
		HIGH	Q16	21.40	21.41	21.32	22.50
	15	LOW	Q16	21.33	21.32	21.23	22.50
3	1	LOW	64QAM	21.14	21.40	20.99	22.50
		MID	64QAM	20.95	**21.68**	21.31	22.50
		HIGH	64QAM	20.83	21.48	21.06	22.50
	8	LOW	64QAM	20.52	20.58	20.19	21.50
		MID	64QAM	20.57	20.44	20.51	21.50
		HIGH	64QAM	20.47	20.35	20.17	21.50
	15	LOW	64QAM	20.22	20.18	20.26	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	23.38	23.37	23.31	24.50
		MID	QPSK	**23.49**	23.47	23.43	24.50
		HIGH	QPSK	23.42	23.43	23.32	24.50
	12	LOW	QPSK	22.36	22.35	22.40	23.50
		MID	QPSK	22.43	22.46	22.39	23.50
		HIGH	QPSK	22.42	22.47	22.32	23.50
	25	LOW	QPSK	22.42	22.45	22.35	23.50
5	1	LOW	Q16	22.46	22.86	22.42	23.50
		MID	Q16	22.60	**23.03**	22.58	23.50
		HIGH	Q16	22.59	22.91	22.46	23.50
	12	LOW	Q16	21.46	21.47	21.43	22.50
		MID	Q16	21.52	21.60	21.48	22.50
		HIGH	Q16	21.43	21.59	21.38	22.50
	25	LOW	Q16	21.45	21.54	21.36	22.50
5	1	LOW	64QAM	21.37	21.68	21.27	22.50
		MID	64QAM	21.50	**22.00**	21.73	22.50
		HIGH	64QAM	21.53	21.89	21.59	22.50
	12	LOW	64QAM	20.36	20.45	20.41	21.50
		MID	64QAM	20.43	20.70	20.62	21.50
		HIGH	64QAM	20.29	20.59	20.40	21.50
	25	LOW	64QAM	20.39	20.59	20.44	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20450	20525	20600	Tune-up power(dBm)
10	1	LOW	QPSK	23.39	23.45	23.37	24.50
		MID	QPSK	23.48	**23.51**	23.45	24.50
		HIGH	QPSK	23.43	23.39	23.42	24.50
	25	LOW	QPSK	22.43	22.34	22.35	23.50
		MID	QPSK	22.46	22.49	22.42	23.50
		HIGH	QPSK	22.41	22.45	22.32	23.50
	50	LOW	QPSK	22.43	22.48	22.38	23.50
10	1	LOW	Q16	22.33	22.80	22.46	23.50
		MID	Q16	22.41	**22.88**	22.43	23.50
		HIGH	Q16	22.42	22.80	22.50	23.50
	25	LOW	Q16	21.49	21.40	21.44	22.50
		MID	Q16	21.48	21.57	21.51	22.50
		HIGH	Q16	21.42	21.59	21.45	22.50
	50	LOW	Q16	21.45	21.50	21.35	22.50
10	1	LOW	64QAM	21.51	**21.93**	21.59	22.50
		MID	64QAM	21.43	21.80	21.31	22.50
		HIGH	64QAM	21.24	21.83	21.68	22.50
	25	LOW	64QAM	20.61	20.37	20.25	21.50
		MID	64QAM	20.53	20.42	20.41	21.50
		HIGH	64QAM	20.36	20.42	20.32	21.50
	50	LOW	64QAM	20.56	20.40	20.53	21.50

LTE B5-Level 2/L3-UAT

Bandwidth (MHz)	RB Size	RB offest	Modulation	20407	20525	20643	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.14	22.17	22.08	23.50
		MID	QPSK	22.22	22.22	22.18	23.50
		HIGH	QPSK	22.20	22.17	22.15	23.50
	3	LOW	QPSK	22.31	22.24	22.23	23.50
		MID	QPSK	22.32	22.30	22.27	23.50
		HIGH	QPSK	22.26	22.28	22.28	23.50
	6	LOW	QPSK	**22.34**	22.31	22.31	23.50
1.4	1	LOW	Q16	22.27	22.54	22.15	23.50
		MID	Q16	22.34	**22.59**	22.25	23.50
		HIGH	Q16	22.29	22.58	22.16	23.50
	3	LOW	Q16	22.31	22.46	22.41	23.50
		MID	Q16	22.32	22.45	22.43	23.50
		HIGH	Q16	22.32	22.45	22.42	23.50
	6	LOW	Q16	21.50	21.29	21.53	22.50
1.4	1	LOW	64QAM	21.26	21.41	20.98	22.50
		MID	64QAM	21.10	**21.54**	21.08	22.50
		HIGH	64QAM	21.05	21.38	21.03	22.50
	3	LOW	64QAM	21.06	21.07	21.33	22.50
		MID	64QAM	21.01	21.32	21.18	22.50
		HIGH	64QAM	21.20	21.09	21.31	22.50
	6	LOW	64QAM	20.11	20.16	20.34	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20415	20525	20635	Tune-up power(dBm)
3	1	LOW	QPSK	22.03	22.01	22.03	23.50
		MID	QPSK	22.15	22.18	22.09	23.50
		HIGH	QPSK	22.04	22.08	22.00	23.50
	8	LOW	QPSK	22.31	22.28	22.23	23.50
		MID	QPSK	22.34	**22.35**	22.31	23.50
		HIGH	QPSK	22.26	22.29	22.22	23.50
	15	LOW	QPSK	22.25	22.27	22.27	23.50
3	1	LOW	Q16	21.98	22.43	22.13	23.50
		MID	Q16	22.01	**22.53**	22.10	23.50
		HIGH	Q16	21.95	22.47	22.07	23.50
	8	LOW	Q16	21.43	21.40	21.29	22.50
		MID	Q16	21.45	21.47	21.36	22.50
		HIGH	Q16	21.38	21.40	21.26	22.50
	15	LOW	Q16	21.27	21.28	21.19	22.50
3	1	LOW	64QAM	21.00	**21.61**	20.94	22.50
		MID	64QAM	21.13	21.45	21.15	22.50
		HIGH	64QAM	20.85	21.38	20.94	22.50
	8	LOW	64QAM	20.32	20.51	20.16	21.50
		MID	64QAM	20.63	20.62	20.22	21.50
		HIGH	64QAM	20.25	20.38	20.23	21.50
	15	LOW	64QAM	20.30	20.29	20.28	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	22.34	22.31	22.27	23.50
		MID	QPSK	**22.50**	22.42	22.44	23.50
		HIGH	QPSK	22.38	22.37	22.32	23.50
	12	LOW	QPSK	22.35	22.29	22.33	23.50
		MID	QPSK	22.42	22.40	22.38	23.50
		HIGH	QPSK	22.31	22.45	22.26	23.50
	25	LOW	QPSK	22.35	22.39	22.28	23.50
5	1	LOW	Q16	22.49	22.70	22.43	23.50
		MID	Q16	22.56	**22.86**	22.51	23.50
		HIGH	Q16	22.51	22.78	22.42	23.50
	12	LOW	Q16	21.39	21.40	21.34	22.50
		MID	Q16	21.51	21.59	21.44	22.50
		HIGH	Q16	21.46	21.56	21.34	22.50
	25	LOW	Q16	21.41	21.49	21.30	22.50
5	1	LOW	64QAM	21.51	21.73	21.50	22.50
		MID	64QAM	21.51	**21.95**	21.47	22.50
		HIGH	64QAM	21.70	21.79	21.28	22.50
	12	LOW	64QAM	20.51	20.23	20.24	21.50
		MID	64QAM	20.63	20.55	20.34	21.50
		HIGH	64QAM	20.32	20.39	20.34	21.50
	25	LOW	64QAM	20.41	20.58	20.16	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20450	20525	20600	Tune-up power(dBm)
10	1	LOW	QPSK	22.34	22.41	22.36	23.50
		MID	QPSK	22.45	22.46	22.42	23.50
		HIGH	QPSK	22.40	22.40	22.40	23.50
	25	LOW	QPSK	22.40	22.29	22.32	23.50
		MID	QPSK	22.37	**22.51**	22.39	23.50
		HIGH	QPSK	22.36	22.37	22.23	23.50
	50	LOW	QPSK	22.40	22.45	22.30	23.50
10	1	LOW	Q16	22.29	22.76	22.40	23.50
		MID	Q16	22.34	**22.82**	22.43	23.50
		HIGH	Q16	22.32	22.81	22.38	23.50
	25	LOW	Q16	21.45	21.38	21.39	22.50
		MID	Q16	21.41	21.55	21.49	22.50
		HIGH	Q16	21.39	21.56	21.33	22.50
	50	LOW	Q16	21.39	21.45	21.36	22.50
10	1	LOW	64QAM	21.11	**21.87**	21.58	22.50
		MID	64QAM	21.29	21.63	21.57	22.50
		HIGH	64QAM	21.37	21.70	21.26	22.50
	25	LOW	64QAM	20.29	20.48	20.26	21.50
		MID	64QAM	20.36	20.48	20.41	21.50
		HIGH	64QAM	20.49	20.44	20.26	21.50
	50	LOW	64QAM	20.39	20.60	20.29	21.50

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Bandwidth (MHz)	RB Size	RB offest	Modulation	20407	20525	20643	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.20	23.22	23.17	24.50
		MID	QPSK	23.26	23.27	23.24	24.50
		HIGH	QPSK	23.25	23.23	23.12	24.50
	3	LOW	QPSK	23.32	23.27	23.30	24.50
		MID	QPSK	**23.33**	**23.33**	**23.33**	24.50
		HIGH	QPSK	23.28	23.28	23.30	24.50
	6	LOW	QPSK	22.37	22.34	22.29	23.50
1.4	1	LOW	Q16	22.32	22.54	22.16	23.50
		MID	Q16	22.36	**22.63**	22.27	23.50
		HIGH	Q16	22.30	22.55	22.18	23.50
	3	LOW	Q16	22.32	22.49	22.43	23.50
		MID	Q16	22.35	22.49	22.47	23.50
		HIGH	Q16	22.33	22.49	22.44	23.50
	6	LOW	Q16	21.53	21.30	21.51	22.50
1.4	1	LOW	64QAM	21.02	21.32	20.82	22.50
		MID	64QAM	20.99	**21.61**	21.09	22.50
		HIGH	64QAM	21.29	21.19	20.94	22.50
	3	LOW	64QAM	21.30	21.10	21.36	22.50
		MID	64QAM	21.12	21.36	21.30	22.50
		HIGH	64QAM	21.19	21.47	21.33	22.50
	6	LOW	64QAM	20.45	20.00	20.43	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20415	20525	20635	Tune-up power(dBm)
3	1	LOW	QPSK	23.11	23.12	23.02	24.50
		MID	QPSK	**23.22**	**23.22**	23.21	24.50
		HIGH	QPSK	23.13	23.14	23.03	24.50
	8	LOW	QPSK	22.36	22.30	22.28	23.50
		MID	QPSK	22.38	22.37	22.36	23.50
		HIGH	QPSK	22.28	22.32	22.23	23.50
	15	LOW	QPSK	22.27	22.32	22.28	23.50
3	1	LOW	Q16	22.03	22.49	22.12	23.50
		MID	Q16	22.09	**22.62**	22.16	23.50
		HIGH	Q16	22.02	22.49	22.12	23.50
	8	LOW	Q16	21.44	21.41	21.32	22.50
		MID	Q16	21.49	21.49	21.39	22.50
		HIGH	Q16	21.40	21.41	21.32	22.50
	15	LOW	Q16	21.33	21.32	21.23	22.50
3	1	LOW	64QAM	21.14	21.40	20.99	22.50
		MID	64QAM	20.95	**21.68**	21.31	22.50
		HIGH	64QAM	20.83	21.48	21.06	22.50
	8	LOW	64QAM	20.52	20.58	20.19	21.50
		MID	64QAM	20.57	20.44	20.51	21.50
		HIGH	64QAM	20.47	20.35	20.17	21.50
	15	LOW	64QAM	20.22	20.18	20.26	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	23.38	23.37	23.31	24.50
		MID	QPSK	**23.49**	23.47	23.43	24.50
		HIGH	QPSK	23.42	23.43	23.32	24.50
	12	LOW	QPSK	22.36	22.35	22.40	23.50
		MID	QPSK	22.43	22.46	22.39	23.50
		HIGH	QPSK	22.42	22.47	22.32	23.50
	25	LOW	QPSK	22.42	22.45	22.35	23.50
5	1	LOW	Q16	22.46	22.86	22.42	23.50
		MID	Q16	22.60	**23.03**	22.58	23.50
		HIGH	Q16	22.59	22.91	22.46	23.50
	12	LOW	Q16	21.46	21.47	21.43	22.50
		MID	Q16	21.52	21.60	21.48	22.50
		HIGH	Q16	21.43	21.59	21.38	22.50
	25	LOW	Q16	21.45	21.54	21.36	22.50
5	1	LOW	64QAM	21.37	21.68	21.27	22.50
		MID	64QAM	21.50	**22.00**	21.73	22.50
		HIGH	64QAM	21.53	21.89	21.59	22.50
	12	LOW	64QAM	20.36	20.45	20.41	21.50
		MID	64QAM	20.43	20.70	20.62	21.50
		HIGH	64QAM	20.29	20.59	20.40	21.50
	25	LOW	64QAM	20.39	20.59	20.44	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20450	20525	20600	Tune-up power(dBm)
10	1	LOW	QPSK	23.39	23.45	23.37	24.50
		MID	QPSK	23.48	**23.51**	23.45	24.50
		HIGH	QPSK	23.43	23.39	23.42	24.50
	25	LOW	QPSK	22.43	22.34	22.35	23.50
		MID	QPSK	22.46	22.49	22.42	23.50
		HIGH	QPSK	22.41	22.45	22.32	23.50
	50	LOW	QPSK	22.43	22.48	22.38	23.50
10	1	LOW	Q16	22.33	22.80	22.46	23.50
		MID	Q16	22.41	**22.88**	22.43	23.50
		HIGH	Q16	22.42	22.80	22.50	23.50
	25	LOW	Q16	21.49	21.40	21.44	22.50
		MID	Q16	21.48	21.57	21.51	22.50
		HIGH	Q16	21.42	21.59	21.45	22.50
	50	LOW	Q16	21.45	21.50	21.35	22.50
10	1	LOW	64QAM	21.51	**21.93**	21.59	22.50
		MID	64QAM	21.43	21.80	21.31	22.50
		HIGH	64QAM	21.24	21.83	21.68	22.50
	25	LOW	64QAM	20.61	20.37	20.25	21.50
		MID	64QAM	20.53	20.42	20.41	21.50
		HIGH	64QAM	20.36	20.42	20.32	21.50
	50	LOW	64QAM	20.56	20.40	20.53	21.50

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Bandwidth (MHz)	RB Size	RB offest	Modulation	20407	20525	20643	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.14	22.17	22.08	23.50
		MID	QPSK	22.22	22.22	22.18	23.50
		HIGH	QPSK	22.20	22.17	22.15	23.50
	3	LOW	QPSK	22.31	22.24	22.23	23.50
		MID	QPSK	22.32	22.30	22.27	23.50
		HIGH	QPSK	22.26	22.28	22.28	23.50
	6	LOW	QPSK	**22.34**	22.31	22.31	23.50
1.4	1	LOW	Q16	22.27	22.54	22.15	23.50
		MID	Q16	22.34	**22.59**	22.25	23.50
		HIGH	Q16	22.29	22.58	22.16	23.50
	3	LOW	Q16	22.31	22.46	22.41	23.50
		MID	Q16	22.32	22.45	22.43	23.50
		HIGH	Q16	22.32	22.45	22.42	23.50
	6	LOW	Q16	21.50	21.29	21.53	22.50
1.4	1	LOW	64QAM	21.26	21.41	20.98	22.50
		MID	64QAM	21.10	**21.54**	21.08	22.50
		HIGH	64QAM	21.05	21.38	21.03	22.50
	3	LOW	64QAM	21.06	21.07	21.33	22.50
		MID	64QAM	21.01	21.32	21.18	22.50
		HIGH	64QAM	21.20	21.09	21.31	22.50
	6	LOW	64QAM	20.11	20.16	20.34	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20415	20525	20635	Tune-up power(dBm)
3	1	LOW	QPSK	22.03	22.01	22.03	23.50
		MID	QPSK	22.15	22.18	22.09	23.50
		HIGH	QPSK	22.04	22.08	22.00	23.50
	8	LOW	QPSK	22.31	22.28	22.23	23.50
		MID	QPSK	22.34	**22.35**	22.31	23.50
		HIGH	QPSK	22.26	22.29	22.22	23.50
	15	LOW	QPSK	22.25	22.27	22.27	23.50
3	1	LOW	Q16	21.98	22.43	22.13	23.50
		MID	Q16	22.01	**22.53**	22.10	23.50
		HIGH	Q16	21.95	22.47	22.07	23.50
	8	LOW	Q16	21.43	21.40	21.29	22.50
		MID	Q16	21.45	21.47	21.36	22.50
		HIGH	Q16	21.38	21.40	21.26	22.50
	15	LOW	Q16	21.27	21.28	21.19	22.50
3	1	LOW	64QAM	21.00	**21.61**	20.94	22.50
		MID	64QAM	21.13	21.45	21.15	22.50
		HIGH	64QAM	20.85	21.38	20.94	22.50
	8	LOW	64QAM	20.32	20.51	20.16	21.50
		MID	64QAM	20.63	20.62	20.22	21.50
		HIGH	64QAM	20.25	20.38	20.23	21.50
	15	LOW	64QAM	20.30	20.29	20.28	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	22.34	22.31	22.27	23.50
		MID	QPSK	**22.50**	22.42	22.44	23.50
		HIGH	QPSK	22.38	22.37	22.32	23.50
	12	LOW	QPSK	22.35	22.29	22.33	23.50
		MID	QPSK	22.42	22.40	22.38	23.50
		HIGH	QPSK	22.31	22.45	22.26	23.50
	25	LOW	QPSK	22.35	22.39	22.28	23.50
5	1	LOW	Q16	22.49	22.70	22.43	23.50
		MID	Q16	22.56	**22.86**	22.51	23.50
		HIGH	Q16	22.51	22.78	22.42	23.50
	12	LOW	Q16	21.39	21.40	21.34	22.50
		MID	Q16	21.51	21.59	21.44	22.50
		HIGH	Q16	21.46	21.56	21.34	22.50
	25	LOW	Q16	21.41	21.49	21.30	22.50
5	1	LOW	64QAM	21.51	21.73	21.50	22.50
		MID	64QAM	21.51	**21.95**	21.47	22.50
		HIGH	64QAM	21.70	21.79	21.28	22.50
	12	LOW	64QAM	20.51	20.23	20.24	21.50
		MID	64QAM	20.63	20.55	20.34	21.50
		HIGH	64QAM	20.32	20.39	20.34	21.50
	25	LOW	64QAM	20.41	20.58	20.16	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20450	20525	20600	Tune-up power(dBm)
10	1	LOW	QPSK	22.34	22.41	22.36	23.50
		MID	QPSK	22.45	22.46	22.42	23.50
		HIGH	QPSK	22.40	22.40	22.40	23.50
	25	LOW	QPSK	22.40	22.29	22.32	23.50
		MID	QPSK	22.37	**22.51**	22.39	23.50
		HIGH	QPSK	22.36	22.37	22.23	23.50
	50	LOW	QPSK	22.40	22.45	22.30	23.50
10	1	LOW	Q16	22.29	22.76	22.40	23.50
		MID	Q16	22.34	**22.82**	22.43	23.50
		HIGH	Q16	22.32	22.81	22.38	23.50
	25	LOW	Q16	21.45	21.38	21.39	22.50
		MID	Q16	21.41	21.55	21.49	22.50
		HIGH	Q16	21.39	21.56	21.33	22.50
	50	LOW	Q16	21.39	21.45	21.36	22.50
10	1	LOW	64QAM	21.11	**21.87**	21.58	22.50
		MID	64QAM	21.29	21.63	21.57	22.50
		HIGH	64QAM	21.37	21.70	21.26	22.50
	25	LOW	64QAM	20.29	20.48	20.26	21.50
		MID	64QAM	20.36	20.48	20.41	21.50
		HIGH	64QAM	20.49	20.44	20.26	21.50
	50	LOW	64QAM	20.39	20.60	20.29	21.50

LTE B5-Full Power -DAT

Bandwidth (MHz)	RB Size	RB offest	Modulation	20407	20525	20643	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.12	23.10	23.01	24.50
		MID	QPSK	23.20	23.14	23.14	24.50
		HIGH	QPSK	23.14	23.09	23.06	24.50
	3	LOW	QPSK	23.23	23.18	23.18	24.50
		MID	QPSK	**23.26**	23.23	23.21	24.50
		HIGH	QPSK	23.20	23.20	23.20	24.50
	6	LOW	QPSK	22.30	22.22	22.20	23.50
1.4	1	LOW	Q16	22.20	22.46	22.06	23.50
		MID	Q16	22.27	**22.51**	22.13	23.50
		HIGH	Q16	22.21	22.46	22.06	23.50
	3	LOW	Q16	22.23	22.39	22.34	23.50
		MID	Q16	22.25	22.39	22.35	23.50
		HIGH	Q16	22.26	22.37	22.33	23.50
	6	LOW	Q16	21.41	21.20	21.39	22.50
1.4	1	LOW	64QAM	21.06	21.43	21.04	22.50
		MID	64QAM	21.12	21.52	21.19	22.50
		HIGH	64QAM	21.14	**21.61**	20.96	22.50
	3	LOW	64QAM	21.04	21.22	21.39	22.50
		MID	64QAM	21.29	21.55	21.28	22.50
		HIGH	64QAM	21.15	21.54	21.52	22.50
	6	LOW	64QAM	20.37	20.16	20.22	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20415	20525	20635	Tune-up power(dBm)
3	1	LOW	QPSK	22.97	23.02	22.94	24.50
		MID	QPSK	23.08	**23.12**	22.98	24.50
		HIGH	QPSK	22.98	23.03	22.94	24.50
	8	LOW	QPSK	22.23	22.19	22.17	23.50
		MID	QPSK	22.27	22.29	22.25	23.50
		HIGH	QPSK	22.18	22.19	22.14	23.50
	15	LOW	QPSK	22.17	22.17	22.17	23.50
3	1	LOW	Q16	21.90	22.36	22.00	23.50
		MID	Q16	21.97	**22.44**	22.07	23.50
		HIGH	Q16	21.84	22.40	21.95	23.50
	8	LOW	Q16	21.31	21.30	21.19	22.50
		MID	Q16	21.36	21.37	21.28	22.50
		HIGH	Q16	21.28	21.28	21.18	22.50
	15	LOW	Q16	21.18	21.22	21.12	22.50
3	1	LOW	64QAM	21.00	21.32	20.81	22.50
		MID	64QAM	21.14	21.33	21.26	22.50
		HIGH	64QAM	20.98	**21.59**	20.96	22.50
	8	LOW	64QAM	20.14	20.35	20.20	21.50
		MID	64QAM	20.20	20.21	20.43	21.50
		HIGH	64QAM	20.24	20.19	20.20	21.50
	15	LOW	64QAM	20.03	20.33	20.12	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	23.19	23.18	23.12	24.50
		MID	QPSK	**23.35**	23.32	23.24	24.50
		HIGH	QPSK	23.25	23.21	23.15	24.50
	12	LOW	QPSK	22.22	22.17	22.17	23.50
		MID	QPSK	22.31	22.31	22.20	23.50
		HIGH	QPSK	22.22	22.24	22.18	23.50
	25	LOW	QPSK	22.25	22.23	22.16	23.50
5	1	LOW	Q16	22.33	22.66	22.29	23.50
		MID	Q16	22.43	**22.79**	22.38	23.50
		HIGH	Q16	22.37	22.65	22.27	23.50
	12	LOW	Q16	21.31	21.27	21.27	22.50
		MID	Q16	21.38	21.40	21.32	22.50
		HIGH	Q16	21.29	21.41	21.23	22.50
	25	LOW	Q16	21.29	21.33	21.17	22.50
5	1	LOW	64QAM	21.41	21.70	21.30	22.50
		MID	64QAM	21.29	**21.73**	21.54	22.50
		HIGH	64QAM	21.38	21.51	21.14	22.50
	12	LOW	64QAM	20.28	20.34	20.41	21.50
		MID	64QAM	20.27	20.33	20.38	21.50
		HIGH	64QAM	20.42	20.25	20.23	21.50
	25	LOW	64QAM	20.11	20.24	20.28	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20450	20525	20600	Tune-up power(dBm)
10	1	LOW	QPSK	23.27	23.28	23.25	24.50
		MID	QPSK	23.30	**23.33**	23.28	24.50
		HIGH	QPSK	23.32	23.29	23.29	24.50
	25	LOW	QPSK	22.28	22.20	22.24	23.50
		MID	QPSK	22.28	22.31	22.30	23.50
		HIGH	QPSK	22.27	22.26	22.13	23.50
	50	LOW	QPSK	22.29	22.25	22.23	23.50
10	1	LOW	Q16	22.13	22.68	22.27	23.50
		MID	Q16	22.24	**22.70**	22.31	23.50
		HIGH	Q16	22.18	22.64	22.23	23.50
	25	LOW	Q16	21.31	21.18	21.29	22.50
		MID	Q16	21.32	21.36	21.36	22.50
		HIGH	Q16	21.35	21.37	21.29	22.50
	50	LOW	Q16	21.28	21.27	21.24	22.50
10	1	LOW	64QAM	20.99	**21.77**	21.17	22.50
		MID	64QAM	21.40	21.69	21.33	22.50
		HIGH	64QAM	21.19	21.74	21.29	22.50
	25	LOW	64QAM	20.45	20.08	20.27	21.50
		MID	64QAM	20.13	20.19	20.28	21.50
		HIGH	64QAM	20.22	20.22	20.25	21.50
	50	LOW	64QAM	20.33	20.44	20.29	21.50

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Bandwidth (MHz)	RB Size	RB offest	Modulation	20407	20525	20643	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.12	23.10	23.01	24.50
		MID	QPSK	23.20	23.14	23.14	24.50
		HIGH	QPSK	23.14	23.09	23.06	24.50
	3	LOW	QPSK	23.23	23.18	23.18	24.50
		MID	QPSK	**23.26**	23.23	23.21	24.50
		HIGH	QPSK	23.20	23.20	23.20	24.50
	6	LOW	QPSK	22.30	22.22	22.20	23.50
1.4	1	LOW	Q16	22.20	22.46	22.06	23.50
		MID	Q16	22.27	**22.51**	22.13	23.50
		HIGH	Q16	22.21	22.46	22.06	23.50
	3	LOW	Q16	22.23	22.39	22.34	23.50
		MID	Q16	22.25	22.39	22.35	23.50
		HIGH	Q16	22.26	22.37	22.33	23.50
	6	LOW	Q16	21.41	21.20	21.39	22.50
1.4	1	LOW	64QAM	21.06	21.43	21.04	22.50
		MID	64QAM	21.12	21.52	21.19	22.50
		HIGH	64QAM	21.14	**21.61**	20.96	22.50
	3	LOW	64QAM	21.04	21.22	21.39	22.50
		MID	64QAM	21.29	21.55	21.28	22.50
		HIGH	64QAM	21.15	21.54	21.52	22.50
	6	LOW	64QAM	20.37	20.16	20.22	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20415	20525	20635	Tune-up power(dBm)
3	1	LOW	QPSK	22.97	23.02	22.94	24.50
		MID	QPSK	23.08	**23.12**	22.98	24.50
		HIGH	QPSK	22.98	23.03	22.94	24.50
	8	LOW	QPSK	22.23	22.19	22.17	23.50
		MID	QPSK	22.27	22.29	22.25	23.50
		HIGH	QPSK	22.18	22.19	22.14	23.50
	15	LOW	QPSK	22.17	22.17	22.17	23.50
3	1	LOW	Q16	21.90	22.36	22.00	23.50
		MID	Q16	21.97	**22.44**	22.07	23.50
		HIGH	Q16	21.84	22.40	21.95	23.50
	8	LOW	Q16	21.31	21.30	21.19	22.50
		MID	Q16	21.36	21.37	21.28	22.50
		HIGH	Q16	21.28	21.28	21.18	22.50
	15	LOW	Q16	21.18	21.22	21.12	22.50
3	1	LOW	64QAM	21.00	21.32	20.81	22.50
		MID	64QAM	21.14	21.33	21.26	22.50
		HIGH	64QAM	20.98	**21.59**	20.96	22.50
	8	LOW	64QAM	20.14	20.35	20.20	21.50
		MID	64QAM	20.20	20.21	20.43	21.50
		HIGH	64QAM	20.24	20.19	20.20	21.50
	15	LOW	64QAM	20.03	20.33	20.12	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	23.19	23.18	23.12	24.50
		MID	QPSK	**23.35**	23.32	23.24	24.50
		HIGH	QPSK	23.25	23.21	23.15	24.50
	12	LOW	QPSK	22.22	22.17	22.17	23.50
		MID	QPSK	22.31	22.31	22.20	23.50
		HIGH	QPSK	22.22	22.24	22.18	23.50
	25	LOW	QPSK	22.25	22.23	22.16	23.50
5	1	LOW	Q16	22.33	22.66	22.29	23.50
		MID	Q16	22.43	**22.79**	22.38	23.50
		HIGH	Q16	22.37	22.65	22.27	23.50
	12	LOW	Q16	21.31	21.27	21.27	22.50
		MID	Q16	21.38	21.40	21.32	22.50
		HIGH	Q16	21.29	21.41	21.23	22.50
	25	LOW	Q16	21.29	21.33	21.17	22.50
5	1	LOW	64QAM	21.41	21.70	21.30	22.50
		MID	64QAM	21.29	**21.73**	21.54	22.50
		HIGH	64QAM	21.38	21.51	21.14	22.50
	12	LOW	64QAM	20.28	20.34	20.41	21.50
		MID	64QAM	20.27	20.33	20.38	21.50
		HIGH	64QAM	20.42	20.25	20.23	21.50
	25	LOW	64QAM	20.11	20.24	20.28	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20450	20525	20600	Tune-up power(dBm)
10	1	LOW	QPSK	23.27	23.28	23.25	24.50
		MID	QPSK	23.30	**23.33**	23.28	24.50
		HIGH	QPSK	23.32	23.29	23.29	24.50
	25	LOW	QPSK	22.28	22.20	22.24	23.50
		MID	QPSK	22.28	22.31	22.30	23.50
		HIGH	QPSK	22.27	22.26	22.13	23.50
	50	LOW	QPSK	22.29	22.25	22.23	23.50
10	1	LOW	Q16	22.13	22.68	22.27	23.50
		MID	Q16	22.24	**22.70**	22.31	23.50
		HIGH	Q16	22.18	22.64	22.23	23.50
	25	LOW	Q16	21.31	21.18	21.29	22.50
		MID	Q16	21.32	21.36	21.36	22.50
		HIGH	Q16	21.35	21.37	21.29	22.50
	50	LOW	Q16	21.28	21.27	21.24	22.50
10	1	LOW	64QAM	20.99	**21.77**	21.17	22.50
		MID	64QAM	21.40	21.69	21.33	22.50
		HIGH	64QAM	21.19	21.74	21.29	22.50
	25	LOW	64QAM	20.45	20.08	20.27	21.50
		MID	64QAM	20.13	20.19	20.28	21.50
		HIGH	64QAM	20.22	20.22	20.25	21.50
	50	LOW	64QAM	20.33	20.44	20.29	21.50

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Bandwidth (MHz)	RB Size	RB offest	Modulation	20407	20525	20643	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.12	23.10	23.01	24.50
		MID	QPSK	23.20	23.14	23.14	24.50
		HIGH	QPSK	23.14	23.09	23.06	24.50
	3	LOW	QPSK	23.23	23.18	23.18	24.50
		MID	QPSK	**23.26**	23.23	23.21	24.50
		HIGH	QPSK	23.20	23.20	23.20	24.50
	6	LOW	QPSK	22.30	22.22	22.20	23.50
1.4	1	LOW	Q16	22.20	22.46	22.06	23.50
		MID	Q16	22.27	**22.51**	22.13	23.50
		HIGH	Q16	22.21	22.46	22.06	23.50
	3	LOW	Q16	22.23	22.39	22.34	23.50
		MID	Q16	22.25	22.39	22.35	23.50
		HIGH	Q16	22.26	22.37	22.33	23.50
	6	LOW	Q16	21.41	21.20	21.39	22.50
1.4	1	LOW	64QAM	21.06	21.43	21.04	22.50
		MID	64QAM	21.12	21.52	21.19	22.50
		HIGH	64QAM	21.14	**21.61**	20.96	22.50
	3	LOW	64QAM	21.04	21.22	21.39	22.50
		MID	64QAM	21.29	21.55	21.28	22.50
		HIGH	64QAM	21.15	21.54	21.52	22.50
	6	LOW	64QAM	20.37	20.16	20.22	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20415	20525	20635	Tune-up power(dBm)
3	1	LOW	QPSK	22.97	23.02	22.94	24.50
		MID	QPSK	23.08	**23.12**	22.98	24.50
		HIGH	QPSK	22.98	23.03	22.94	24.50
	8	LOW	QPSK	22.23	22.19	22.17	23.50
		MID	QPSK	22.27	22.29	22.25	23.50
		HIGH	QPSK	22.18	22.19	22.14	23.50
	15	LOW	QPSK	22.17	22.17	22.17	23.50
3	1	LOW	Q16	21.90	22.36	22.00	23.50
		MID	Q16	21.97	**22.44**	22.07	23.50
		HIGH	Q16	21.84	22.40	21.95	23.50
	8	LOW	Q16	21.31	21.30	21.19	22.50
		MID	Q16	21.36	21.37	21.28	22.50
		HIGH	Q16	21.28	21.28	21.18	22.50
	15	LOW	Q16	21.18	21.22	21.12	22.50
3	1	LOW	64QAM	21.00	21.32	20.81	22.50
		MID	64QAM	21.14	21.33	21.26	22.50
		HIGH	64QAM	20.98	**21.59**	20.96	22.50
	8	LOW	64QAM	20.14	20.35	20.20	21.50
		MID	64QAM	20.20	20.21	20.43	21.50
		HIGH	64QAM	20.24	20.19	20.20	21.50
	15	LOW	64QAM	20.03	20.33	20.12	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	23.19	23.18	23.12	24.50
		MID	QPSK	**23.35**	23.32	23.24	24.50
		HIGH	QPSK	23.25	23.21	23.15	24.50
	12	LOW	QPSK	22.22	22.17	22.17	23.50
		MID	QPSK	22.31	22.31	22.20	23.50
		HIGH	QPSK	22.22	22.24	22.18	23.50
	25	LOW	QPSK	22.25	22.23	22.16	23.50
5	1	LOW	Q16	22.33	22.66	22.29	23.50
		MID	Q16	22.43	**22.79**	22.38	23.50
		HIGH	Q16	22.37	22.65	22.27	23.50
	12	LOW	Q16	21.31	21.27	21.27	22.50
		MID	Q16	21.38	21.40	21.32	22.50
		HIGH	Q16	21.29	21.41	21.23	22.50
	25	LOW	Q16	21.29	21.33	21.17	22.50
5	1	LOW	64QAM	21.41	21.70	21.30	22.50
		MID	64QAM	21.29	**21.73**	21.54	22.50
		HIGH	64QAM	21.38	21.51	21.14	22.50
	12	LOW	64QAM	20.28	20.34	20.41	21.50
		MID	64QAM	20.27	20.33	20.38	21.50
		HIGH	64QAM	20.42	20.25	20.23	21.50
	25	LOW	64QAM	20.11	20.24	20.28	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20450	20525	20600	Tune-up power(dBm)
10	1	LOW	QPSK	23.27	23.28	23.25	24.50
		MID	QPSK	23.30	**23.33**	23.28	24.50
		HIGH	QPSK	23.32	23.29	23.29	24.50
	25	LOW	QPSK	22.28	22.20	22.24	23.50
		MID	QPSK	22.28	22.31	22.30	23.50
		HIGH	QPSK	22.27	22.26	22.13	23.50
	50	LOW	QPSK	22.29	22.25	22.23	23.50
10	1	LOW	Q16	22.13	22.68	22.27	23.50
		MID	Q16	22.24	**22.70**	22.31	23.50
		HIGH	Q16	22.18	22.64	22.23	23.50
	25	LOW	Q16	21.31	21.18	21.29	22.50
		MID	Q16	21.32	21.36	21.36	22.50
		HIGH	Q16	21.35	21.37	21.29	22.50
	50	LOW	Q16	21.28	21.27	21.24	22.50
10	1	LOW	64QAM	20.99	**21.77**	21.17	22.50
		MID	64QAM	21.40	21.69	21.33	22.50
		HIGH	64QAM	21.19	21.74	21.29	22.50
	25	LOW	64QAM	20.45	20.08	20.27	21.50
		MID	64QAM	20.13	20.19	20.28	21.50
		HIGH	64QAM	20.22	20.22	20.25	21.50
	50	LOW	64QAM	20.33	20.44	20.29	21.50

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Bandwidth (MHz)	RB Size	RB offest	Modulation	20407	20525	20643	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.12	23.10	23.01	24.50
		MID	QPSK	23.20	23.14	23.14	24.50
		HIGH	QPSK	23.14	23.09	23.06	24.50
	3	LOW	QPSK	23.23	23.18	23.18	24.50
		MID	QPSK	**23.26**	23.23	23.21	24.50
		HIGH	QPSK	23.20	23.20	23.20	24.50
	6	LOW	QPSK	22.30	22.22	22.20	23.50
1.4	1	LOW	Q16	22.20	22.46	22.06	23.50
		MID	Q16	22.27	**22.51**	22.13	23.50
		HIGH	Q16	22.21	22.46	22.06	23.50
	3	LOW	Q16	22.23	22.39	22.34	23.50
		MID	Q16	22.25	22.39	22.35	23.50
		HIGH	Q16	22.26	22.37	22.33	23.50
	6	LOW	Q16	21.41	21.20	21.39	22.50
1.4	1	LOW	64QAM	21.06	21.43	21.04	22.50
		MID	64QAM	21.12	21.52	21.19	22.50
		HIGH	64QAM	21.14	**21.61**	20.96	22.50
	3	LOW	64QAM	21.04	21.22	21.39	22.50
		MID	64QAM	21.29	21.55	21.28	22.50
		HIGH	64QAM	21.15	21.54	21.52	22.50
	6	LOW	64QAM	20.37	20.16	20.22	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20415	20525	20635	Tune-up power(dBm)
3	1	LOW	QPSK	22.97	23.02	22.94	24.50
		MID	QPSK	23.08	**23.12**	22.98	24.50
		HIGH	QPSK	22.98	23.03	22.94	24.50
	8	LOW	QPSK	22.23	22.19	22.17	23.50
		MID	QPSK	22.27	22.29	22.25	23.50
		HIGH	QPSK	22.18	22.19	22.14	23.50
	15	LOW	QPSK	22.17	22.17	22.17	23.50
3	1	LOW	Q16	21.90	22.36	22.00	23.50
		MID	Q16	21.97	**22.44**	22.07	23.50
		HIGH	Q16	21.84	22.40	21.95	23.50
	8	LOW	Q16	21.31	21.30	21.19	22.50
		MID	Q16	21.36	21.37	21.28	22.50
		HIGH	Q16	21.28	21.28	21.18	22.50
	15	LOW	Q16	21.18	21.22	21.12	22.50
3	1	LOW	64QAM	21.00	21.32	20.81	22.50
		MID	64QAM	21.14	21.33	21.26	22.50
		HIGH	64QAM	20.98	**21.59**	20.96	22.50
	8	LOW	64QAM	20.14	20.35	20.20	21.50
		MID	64QAM	20.20	20.21	20.43	21.50
		HIGH	64QAM	20.24	20.19	20.20	21.50
	15	LOW	64QAM	20.03	20.33	20.12	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	23.19	23.18	23.12	24.50
		MID	QPSK	**23.35**	23.32	23.24	24.50
		HIGH	QPSK	23.25	23.21	23.15	24.50
	12	LOW	QPSK	22.22	22.17	22.17	23.50
		MID	QPSK	22.31	22.31	22.20	23.50
		HIGH	QPSK	22.22	22.24	22.18	23.50
	25	LOW	QPSK	22.25	22.23	22.16	23.50
5	1	LOW	Q16	22.33	22.66	22.29	23.50
		MID	Q16	22.43	**22.79**	22.38	23.50
		HIGH	Q16	22.37	22.65	22.27	23.50
	12	LOW	Q16	21.31	21.27	21.27	22.50
		MID	Q16	21.38	21.40	21.32	22.50
		HIGH	Q16	21.29	21.41	21.23	22.50
	25	LOW	Q16	21.29	21.33	21.17	22.50
5	1	LOW	64QAM	21.41	21.70	21.30	22.50
		MID	64QAM	21.29	**21.73**	21.54	22.50
		HIGH	64QAM	21.38	21.51	21.14	22.50
	12	LOW	64QAM	20.28	20.34	20.41	21.50
		MID	64QAM	20.27	20.33	20.38	21.50
		HIGH	64QAM	20.42	20.25	20.23	21.50
	25	LOW	64QAM	20.11	20.24	20.28	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20450	20525	20600	Tune-up power(dBm)
10	1	LOW	QPSK	23.27	23.28	23.25	24.50
		MID	QPSK	23.30	**23.33**	23.28	24.50
		HIGH	QPSK	23.32	23.29	23.29	24.50
	25	LOW	QPSK	22.28	22.20	22.24	23.50
		MID	QPSK	22.28	22.31	22.30	23.50
		HIGH	QPSK	22.27	22.26	22.13	23.50
	50	LOW	QPSK	22.29	22.25	22.23	23.50
10	1	LOW	Q16	22.13	22.68	22.27	23.50
		MID	Q16	22.24	**22.70**	22.31	23.50
		HIGH	Q16	22.18	22.64	22.23	23.50
	25	LOW	Q16	21.31	21.18	21.29	22.50
		MID	Q16	21.32	21.36	21.36	22.50
		HIGH	Q16	21.35	21.37	21.29	22.50
	50	LOW	Q16	21.28	21.27	21.24	22.50
10	1	LOW	64QAM	20.99	**21.77**	21.17	22.50
		MID	64QAM	21.40	21.69	21.33	22.50
		HIGH	64QAM	21.19	21.74	21.29	22.50
	25	LOW	64QAM	20.45	20.08	20.27	21.50
		MID	64QAM	20.13	20.19	20.28	21.50
		HIGH	64QAM	20.22	20.22	20.25	21.50
	50	LOW	64QAM	20.33	20.44	20.29	21.50

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Bandwidth (MHz)	RB Size	RB offest	Modulation	20407	20525	20643	Tune-up power(dBm)
1.4	1	LOW	QPSK	21.87	21.90	21.78	23.50
		MID	QPSK	21.96	21.95	21.84	23.50
		HIGH	QPSK	21.91	21.91	21.75	23.50
	3	LOW	QPSK	22.02	21.93	21.89	23.50
		MID	QPSK	22.02	21.99	21.93	23.50
		HIGH	QPSK	21.99	21.97	21.89	23.50
	6	LOW	QPSK	**22.05**	22.01	21.89	23.50
1.4	1	LOW	Q16	21.96	22.24	21.79	23.50
		MID	Q16	22.05	**22.28**	21.89	23.50
		HIGH	Q16	21.97	22.22	21.83	23.50
	3	LOW	Q16	22.03	22.16	22.11	23.50
		MID	Q16	22.03	22.16	22.14	23.50
		HIGH	Q16	22.02	22.16	22.08	23.50
	6	LOW	Q16	21.23	21.00	21.20	22.50
1.4	1	LOW	64QAM	21.00	21.26	20.92	22.50
		MID	64QAM	21.02	21.18	21.06	22.50
		HIGH	64QAM	20.81	21.33	20.75	22.50
	3	LOW	64QAM	21.02	21.31	21.14	22.50
		MID	64QAM	20.98	21.03	21.08	22.50
		HIGH	64QAM	20.86	**21.34**	20.92	22.50
	6	LOW	64QAM	20.09	19.84	20.05	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20415	20525	20635	Tune-up power(dBm)
3	1	LOW	QPSK	21.73	21.73	21.76	23.50
		MID	QPSK	21.86	21.76	21.81	23.50
		HIGH	QPSK	21.79	21.70	21.74	23.50
	8	LOW	QPSK	22.02	21.99	21.91	23.50
		MID	QPSK	**22.06**	**22.06**	22.00	23.50
		HIGH	QPSK	21.97	22.00	21.96	23.50
	15	LOW	QPSK	21.96	22.00	21.99	23.50
3	1	LOW	Q16	21.57	22.16	21.82	23.50
		MID	Q16	21.68	22.17	21.84	23.50
		HIGH	Q16	21.61	**22.18**	21.77	23.50
	8	LOW	Q16	21.03	21.09	21.00	22.50
		MID	Q16	21.10	21.18	21.08	22.50
		HIGH	Q16	21.02	21.08	20.97	22.50
	15	LOW	Q16	20.89	21.02	20.91	22.50
3	1	LOW	64QAM	20.61	21.04	20.92	22.50
		MID	64QAM	20.53	**21.43**	20.82	22.50
		HIGH	64QAM	20.65	21.32	20.69	22.50
	8	LOW	64QAM	19.97	20.24	20.13	21.50
		MID	64QAM	19.99	20.16	19.90	21.50
		HIGH	64QAM	20.09	20.14	20.09	21.50
	15	LOW	64QAM	19.80	19.93	20.09	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	22.07	22.03	21.99	23.50
		MID	QPSK	22.16	**22.19**	22.14	23.50
		HIGH	QPSK	22.09	22.10	21.98	23.50
	12	LOW	QPSK	22.11	22.00	22.00	23.50
		MID	QPSK	22.18	22.16	22.08	23.50
		HIGH	QPSK	22.07	22.07	22.02	23.50
	25	LOW	QPSK	22.11	22.08	22.01	23.50
5	1	LOW	Q16	22.14	22.47	22.11	23.50
		MID	Q16	22.28	**22.66**	22.24	23.50
		HIGH	Q16	22.23	22.55	22.11	23.50
	12	LOW	Q16	21.13	21.20	21.09	22.50
		MID	Q16	21.22	21.27	21.16	22.50
		HIGH	Q16	21.14	21.23	21.05	22.50
	25	LOW	Q16	21.15	21.18	20.96	22.50
5	1	LOW	64QAM	21.01	21.53	21.08	22.50
		MID	64QAM	21.47	21.53	21.23	22.50
		HIGH	64QAM	21.04	**21.55**	20.95	22.50
	12	LOW	64QAM	20.27	20.32	19.99	21.50
		MID	64QAM	20.36	20.32	20.12	21.50
		HIGH	64QAM	20.09	20.14	20.00	21.50
	25	LOW	64QAM	20.29	20.24	19.86	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20450	20525	20600	Tune-up power(dBm)
10	1	LOW	QPSK	22.04	22.14	22.09	23.50
		MID	QPSK	22.16	**22.17**	22.14	23.50
		HIGH	QPSK	22.09	22.15	22.11	23.50
	25	LOW	QPSK	22.11	21.97	22.02	23.50
		MID	QPSK	22.14	22.14	22.13	23.50
		HIGH	QPSK	22.15	**22.17**	22.04	23.50
	50	LOW	QPSK	22.14	22.06	22.06	23.50
10	1	LOW	Q16	21.98	22.48	22.16	23.50
		MID	Q16	22.11	**22.54**	22.17	23.50
		HIGH	Q16	22.10	22.47	22.13	23.50
	25	LOW	Q16	21.14	21.05	21.20	22.50
		MID	Q16	21.17	21.26	21.22	22.50
		HIGH	Q16	21.18	21.20	21.15	22.50
	50	LOW	Q16	21.12	21.14	21.09	22.50
10	1	LOW	64QAM	21.09	21.39	21.33	22.50
		MID	64QAM	21.03	**21.58**	21.23	22.50
		HIGH	64QAM	20.91	21.35	21.24	22.50
	25	LOW	64QAM	20.14	20.00	20.19	21.50
		MID	64QAM	20.23	20.34	20.37	21.50
		HIGH	64QAM	20.08	20.18	20.21	21.50
	50	LOW	64QAM	20.14	19.99	20.26	21.50

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Bandwidth (MHz)	RB Size	RB offest	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	23.10	22.98	23.07	24.40
		MID	QPSK	**23.21**	23.11	**23.21**	24.40
		HIGH	QPSK	23.09	23.02	23.07	24.40
	12	LOW	QPSK	22.03	21.95	22.12	23.40
		MID	QPSK	22.17	22.07	22.16	23.40
		HIGH	QPSK	22.11	22.02	22.11	23.40
	25	LOW	QPSK	22.10	21.97	22.13	23.40
5	1	LOW	Q16	21.76	22.02	21.74	23.40
		MID	Q16	21.89	**22.15**	21.87	23.40
		HIGH	Q16	21.81	22.00	21.78	23.40
	12	LOW	Q16	21.14	21.04	21.15	22.40
		MID	Q16	21.23	21.17	21.19	22.40
		HIGH	Q16	21.16	21.13	21.12	22.40
	25	LOW	Q16	21.13	21.05	21.03	22.40
5	1	LOW	64QAM	20.94	20.98	20.73	22.40
		MID	64QAM	21.06	20.97	20.87	22.40
		HIGH	64QAM	20.66	**21.16**	20.77	22.40
	12	LOW	64QAM	20.19	19.86	20.34	21.40
		MID	64QAM	20.39	20.09	20.07	21.40
		HIGH	64QAM	20.24	19.96	20.14	21.40
	25	LOW	64QAM	20.22	20.20	19.91	21.40
Bandwidth (MHz)	RB Size	RB offest	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	23.13	23.06	23.16	24.40
		MID	QPSK	23.15	23.12	**23.21**	24.40
		HIGH	QPSK	23.15	23.05	23.19	24.40
	25	LOW	QPSK	22.05	21.97	22.16	23.40
		MID	QPSK	22.13	22.02	22.18	23.40
		HIGH	QPSK	22.11	22.09	22.15	23.40
	50	LOW	QPSK	22.12	22.08	22.16	23.40
10	1	LOW	Q16	21.60	**22.01**	21.71	23.40
		MID	Q16	21.65	**22.01**	21.77	23.40
		HIGH	Q16	21.65	21.99	21.74	23.40
	25	LOW	Q16	21.11	21.00	21.24	22.40
		MID	Q16	21.18	21.07	21.24	22.40
		HIGH	Q16	21.16	21.12	21.21	22.40
	50	LOW	Q16	21.12	21.08	21.13	22.40
10	1	LOW	64QAM	20.58	21.00	20.76	22.40
		MID	64QAM	20.69	20.87	20.90	22.40
		HIGH	64QAM	20.64	**21.16**	20.64	22.40
	25	LOW	64QAM	20.28	20.14	20.29	21.40
		MID	64QAM	20.26	19.89	20.24	21.40
		HIGH	64QAM	19.99	20.31	20.09	21.40
	50	LOW	64QAM	20.16	20.21	20.02	21.40
Bandwidth (MHz)	RB Size	RB offest	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	23.06	23.05	23.09	24.40
		MID	QPSK	23.20	23.12	**23.22**	24.40
		HIGH	QPSK	23.05	23.00	23.14	24.40
	36	LOW	QPSK	22.09	22.00	22.20	23.40
		MID	QPSK	22.18	22.12	22.23	23.40
		HIGH	QPSK	22.10	22.12	22.16	23.40
	75	LOW	QPSK	22.10	22.10	22.20	23.40
15	1	LOW	Q16	21.50	21.93	22.05	23.40
		MID	Q16	21.68	21.99	**22.19**	23.40
		HIGH	Q16	21.58	21.94	22.09	23.40
	36	LOW	Q16	21.05	21.04	21.16	22.40
		MID	Q16	21.14	21.15	21.15	22.40
		HIGH	Q16	21.08	21.18	21.14	22.40
	75	LOW	Q16	21.09	21.08	21.15	22.40
15	1	LOW	64QAM	20.42	20.91	21.14	22.40
		MID	64QAM	20.70	20.81	**21.31**	22.40
		HIGH	64QAM	20.74	20.76	21.18	22.40
	36	LOW	64QAM	20.04	20.13	20.09	21.40
		MID	64QAM	20.26	20.01	20.03	21.40
		HIGH	64QAM	20.09	20.34	20.07	21.40
	75	LOW	64QAM	19.93	20.18	20.24	21.40
Bandwidth (MHz)	RB Size	RB offest	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	23.01	22.96	22.94	24.40
		MID	QPSK	**23.19**	23.13	23.18	24.40
		HIGH	QPSK	23.03	23.06	23.03	24.40
	50	LOW	QPSK	22.07	21.90	22.16	23.40
		MID	QPSK	22.29	22.08	22.22	23.40
		HIGH	QPSK	22.01	22.15	22.08	23.40
	100	LOW	QPSK	22.06	22.03	22.21	23.40
20	1	LOW	Q16	22.06	21.92	21.94	23.40
		MID	Q16	22.01	22.10	**22.15**	23.40
		HIGH	Q16	22.05	21.98	22.01	23.40
	50	LOW	Q16	21.14	20.92	21.27	22.40
		MID	Q16	21.18	21.10	21.16	22.40
		HIGH	Q16	21.00	21.17	21.03	22.40
	100	LOW	Q16	21.07	21.06	21.18	22.40
20	1	LOW	64QAM	**21.15**	20.95	20.80	22.40
		MID	64QAM	21.09	21.04	21.05	22.40
		HIGH	64QAM	20.92	21.12	20.88	22.40
	50	LOW	64QAM	20.21	20.09	20.28	21.40
		MID	64QAM	20.28	20.02	20.07	21.40
		HIGH	64QAM	20.06	20.20	20.04	21.40
	100	LOW	64QAM	20.25	20.07	20.01	21.40

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Bandwidth (MHz)	RB Size	RB offest	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	14.55	14.41	14.49	15.00
		MID	QPSK	**14.72**	14.64	14.67	15.00
		HIGH	QPSK	14.54	14.43	14.53	15.00
	12	LOW	QPSK	14.54	14.40	14.57	15.00
		MID	QPSK	14.64	14.52	14.61	15.00
		HIGH	QPSK	14.57	14.52	14.57	15.00
	25	LOW	QPSK	14.57	14.48	14.56	15.00
5	1	LOW	Q16	14.74	14.83	14.65	15.00
		MID	Q16	14.89	14.37	14.77	15.00
		HIGH	Q16	14.73	**14.90**	14.67	15.00
	12	LOW	Q16	14.61	14.56	14.67	15.00
		MID	Q16	14.73	14.66	14.67	15.00
		HIGH	Q16	14.69	14.64	14.60	15.00
	25	LOW	Q16	14.63	14.56	14.57	15.00
5	1	LOW	64QAM	14.42	**14.81**	14.62	15.00
		MID	64QAM	14.56	14.32	14.68	15.00
		HIGH	64QAM	14.50	14.75	14.64	15.00
	12	LOW	64QAM	14.40	14.27	14.45	15.00
		MID	64QAM	14.46	14.56	14.53	15.00
		HIGH	64QAM	14.68	14.34	14.32	15.00
	25	LOW	64QAM	14.24	14.36	14.26	15.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	14.54	14.51	14.56	15.00
		MID	QPSK	14.61	14.58	14.64	15.00
		HIGH	QPSK	14.60	14.52	14.58	15.00
	25	LOW	QPSK	14.49	14.44	**14.65**	15.00
		MID	QPSK	14.62	14.51	14.61	15.00
		HIGH	QPSK	14.61	14.63	14.59	15.00
	50	LOW	QPSK	14.59	14.57	14.61	15.00
10	1	LOW	Q16	14.58	14.87	14.62	15.00
		MID	Q16	14.62	**14.91**	14.71	15.00
		HIGH	Q16	14.59	14.90	14.65	15.00
	25	LOW	Q16	14.56	14.50	14.76	15.00
		MID	Q16	14.64	14.59	14.73	15.00
		HIGH	Q16	14.66	14.64	14.68	15.00
	50	LOW	Q16	14.59	14.56	14.68	15.00
10	1	LOW	64QAM	14.22	14.52	14.40	15.00
		MID	64QAM	14.41	**14.85**	14.66	15.00
		HIGH	64QAM	14.30	14.75	14.40	15.00
	25	LOW	64QAM	14.22	14.48	14.43	15.00
		MID	64QAM	14.46	14.26	14.35	15.00
		HIGH	64QAM	14.43	14.43	14.56	15.00
	50	LOW	64QAM	14.23	14.53	14.64	15.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	14.51	14.50	14.49	15.00
		MID	QPSK	14.64	14.55	**14.67**	15.00
		HIGH	QPSK	14.51	14.47	14.53	15.00
	36	LOW	QPSK	14.50	14.40	14.64	15.00
		MID	QPSK	14.61	14.52	14.63	15.00
		HIGH	QPSK	14.54	14.55	14.56	15.00
	75	LOW	QPSK	14.56	14.50	14.64	15.00
15	1	LOW	Q16	14.52	14.88	14.59	15.00
		MID	Q16	14.62	**14.93**	14.74	15.00
		HIGH	Q16	14.50	14.82	14.60	15.00
	36	LOW	Q16	14.49	14.51	14.61	15.00
		MID	Q16	14.60	14.62	14.63	15.00
		HIGH	Q16	14.54	14.63	14.57	15.00
	75	LOW	Q16	14.53	14.54	14.60	15.00
15	1	LOW	64QAM	14.27	**14.73**	14.37	15.00
		MID	64QAM	14.40	14.73	14.41	15.00
		HIGH	64QAM	14.25	14.58	14.25	15.00
	36	LOW	64QAM	14.16	14.15	14.28	15.00
		MID	64QAM	14.36	14.46	14.60	15.00
		HIGH	64QAM	14.20	14.57	14.27	15.00
	75	LOW	64QAM	14.23	14.37	14.36	15.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	14.45	14.35	14.38	15.00
		MID	QPSK	**14.74**	14.61	14.64	15.00
		HIGH	QPSK	14.45	14.51	14.47	15.00
	50	LOW	QPSK	14.52	14.39	14.61	15.00
		MID	QPSK	14.65	14.56	14.64	15.00
		HIGH	QPSK	14.47	14.64	14.50	15.00
	100	LOW	QPSK	14.49	14.52	14.64	15.00
20	1	LOW	Q16	14.77	14.77	14.79	15.00
		MID	Q16	14.71	14.72	14.83	15.00
		HIGH	Q16	**14.87**	14.79	14.86	15.00
	50	LOW	Q16	14.54	14.44	14.73	15.00
		MID	Q16	14.66	14.62	14.67	15.00
		HIGH	Q16	14.52	14.68	14.45	15.00
	100	LOW	Q16	14.56	14.53	14.68	15.00
20	1	LOW	64QAM	14.46	**14.71**	14.44	15.00
		MID	64QAM	14.50	14.37	14.51	15.00
		HIGH	64QAM	14.68	14.58	14.55	15.00
	50	LOW	64QAM	14.19	14.32	14.66	15.00
		MID	64QAM	14.59	14.38	14.36	15.00
		HIGH	64QAM	14.16	14.52	14.18	15.00
	100	LOW	64QAM	14.23	14.49	14.39	15.00

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Bandwidth (MHz)	RB Size	RB offest	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	13.49	13.41	13.47	14.00
		MID	QPSK	**13.63**	13.52	13.62	14.00
		HIGH	QPSK	13.54	13.40	13.48	14.00
	12	LOW	QPSK	13.49	13.34	13.54	14.00
		MID	QPSK	13.62	13.49	13.58	14.00
		HIGH	QPSK	13.54	13.47	13.52	14.00
	25	LOW	QPSK	13.51	13.41	13.51	14.00
5	1	LOW	Q16	13.71	**13.89**	13.62	14.00
		MID	Q16	13.84	13.83	13.78	14.00
		HIGH	Q16	13.67	13.88	13.67	14.00
	12	LOW	Q16	13.59	13.52	13.58	14.00
		MID	Q16	13.72	13.63	13.68	14.00
		HIGH	Q16	13.67	13.63	13.58	14.00
	25	LOW	Q16	13.59	13.56	13.51	14.00
5	1	LOW	64QAM	13.60	13.69	13.45	14.00
		MID	64QAM	13.62	13.62	13.61	14.00
		HIGH	64QAM	13.49	**13.78**	13.62	14.00
	12	LOW	64QAM	13.40	13.17	13.52	14.00
		MID	64QAM	13.60	13.27	13.38	14.00
		HIGH	64QAM	13.47	13.28	13.49	14.00
	25	LOW	64QAM	13.24	13.24	13.29	14.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	13.55	13.49	13.56	14.00
		MID	QPSK	13.59	13.55	**13.65**	14.00
		HIGH	QPSK	13.54	13.51	13.59	14.00
	25	LOW	QPSK	13.47	13.42	13.63	14.00
		MID	QPSK	13.57	13.50	13.60	14.00
		HIGH	QPSK	13.60	13.56	13.57	14.00
	50	LOW	QPSK	13.57	13.52	13.59	14.00
10	1	LOW	Q16	13.52	13.86	13.60	14.00
		MID	Q16	13.58	**13.92**	13.71	14.00
		HIGH	Q16	13.53	13.90	13.63	14.00
	25	LOW	Q16	13.58	13.47	13.76	14.00
		MID	Q16	13.67	13.56	13.74	14.00
		HIGH	Q16	13.63	13.64	13.69	14.00
	50	LOW	Q16	13.58	13.56	13.64	14.00
10	1	LOW	64QAM	13.37	13.56	13.37	14.00
		MID	64QAM	13.38	**13.88**	13.49	14.00
		HIGH	64QAM	13.44	13.84	13.38	14.00
	25	LOW	64QAM	13.50	13.13	13.47	14.00
		MID	64QAM	13.53	13.49	13.40	14.00
		HIGH	64QAM	13.60	13.32	13.44	14.00
	50	LOW	64QAM	13.28	13.37	13.32	14.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	13.49	13.46	13.50	14.00
		MID	QPSK	13.60	13.55	**13.66**	14.00
		HIGH	QPSK	13.50	13.45	13.54	14.00
	36	LOW	QPSK	13.51	13.40	13.61	14.00
		MID	QPSK	13.59	13.53	13.61	14.00
		HIGH	QPSK	13.51	13.55	13.56	14.00
	75	LOW	QPSK	13.53	13.50	13.65	14.00
15	1	LOW	Q16	13.49	13.87	13.80	14.00
		MID	Q16	13.61	**13.93**	13.86	14.00
		HIGH	Q16	13.46	13.84	13.74	14.00
	36	LOW	Q16	13.51	13.50	13.62	14.00
		MID	Q16	13.63	13.60	13.61	14.00
		HIGH	Q16	13.53	13.62	13.56	14.00
	75	LOW	Q16	13.56	13.55	13.59	14.00
15	1	LOW	64QAM	13.40	13.67	13.59	14.00
		MID	64QAM	13.31	**13.73**	13.52	14.00
		HIGH	64QAM	13.10	13.55	13.54	14.00
	36	LOW	64QAM	13.40	13.24	13.49	14.00
		MID	64QAM	13.31	13.34	13.45	14.00
		HIGH	64QAM	13.45	13.38	13.51	14.00
	75	LOW	64QAM	13.29	13.19	13.34	14.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	13.44	13.40	13.32	14.00
		MID	QPSK	**13.73**	13.59	13.62	14.00
		HIGH	QPSK	13.45	13.47	13.43	14.00
	50	LOW	QPSK	13.49	13.37	13.61	14.00
		MID	QPSK	13.64	13.58	13.62	14.00
		HIGH	QPSK	13.45	13.61	13.45	14.00
	100	LOW	QPSK	13.49	13.52	13.63	14.00
20	1	LOW	Q16	13.88	13.82	13.80	14.00
		MID	Q16	13.79	13.61	13.85	14.00
		HIGH	Q16	**13.93**	13.78	13.87	14.00
	50	LOW	Q16	13.58	13.41	13.71	14.00
		MID	Q16	13.68	13.61	13.65	14.00
		HIGH	Q16	13.52	13.67	13.49	14.00
	100	LOW	Q16	13.56	13.54	13.67	14.00
20	1	LOW	64QAM	**13.74**	13.51	13.69	14.00
		MID	64QAM	13.64	13.51	13.49	14.00
		HIGH	64QAM	13.61	13.47	13.64	14.00
	50	LOW	64QAM	13.44	13.05	13.52	14.00
		MID	64QAM	13.48	13.59	13.53	14.00
		HIGH	64QAM	13.18	13.60	13.27	14.00
	100	LOW	64QAM	13.54	13.40	13.42	14.00

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Bandwidth (MHz)	RB Size	RB offest	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	23.10	22.98	23.07	23.50
		MID	QPSK	**23.21**	23.11	**23.21**	23.50
		HIGH	QPSK	23.09	23.02	23.07	23.50
	12	LOW	QPSK	22.03	21.95	22.12	22.50
		MID	QPSK	22.17	22.07	22.16	22.50
		HIGH	QPSK	22.11	22.02	22.11	22.50
	25	LOW	QPSK	22.10	21.97	22.13	22.50
5	1	LOW	Q16	21.76	22.02	21.74	22.50
		MID	Q16	21.89	**22.15**	21.87	22.50
		HIGH	Q16	21.81	22.00	21.78	22.50
	12	LOW	Q16	21.14	21.04	21.15	21.50
		MID	Q16	21.23	21.17	21.19	21.50
		HIGH	Q16	21.16	21.13	21.12	21.50
	25	LOW	Q16	21.13	21.05	21.03	21.50
5	1	LOW	64QAM	20.94	20.98	20.73	21.50
		MID	64QAM	21.06	20.97	20.87	21.50
		HIGH	64QAM	20.66	**21.16**	20.77	21.50
	12	LOW	64QAM	20.19	19.86	20.34	20.50
		MID	64QAM	20.39	20.09	20.07	20.50
		HIGH	64QAM	20.24	19.96	20.14	20.50
	25	LOW	64QAM	20.22	20.20	19.91	20.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	23.13	23.06	23.16	23.50
		MID	QPSK	23.15	23.12	**23.21**	23.50
		HIGH	QPSK	23.15	23.05	23.19	23.50
	25	LOW	QPSK	22.05	21.97	22.16	22.50
		MID	QPSK	22.13	22.02	22.18	22.50
		HIGH	QPSK	22.11	22.09	22.15	22.50
	50	LOW	QPSK	22.12	22.08	22.16	22.50
10	1	LOW	Q16	21.60	**22.01**	21.71	22.50
		MID	Q16	21.65	**22.01**	21.77	22.50
		HIGH	Q16	21.65	21.99	21.74	22.50
	25	LOW	Q16	21.11	21.00	21.24	21.50
		MID	Q16	21.18	21.07	21.24	21.50
		HIGH	Q16	21.16	21.12	21.21	21.50
	50	LOW	Q16	21.12	21.08	21.13	21.50
10	1	LOW	64QAM	20.58	21.00	20.76	21.50
		MID	64QAM	20.69	20.87	20.90	21.50
		HIGH	64QAM	20.64	**21.16**	20.64	21.50
	25	LOW	64QAM	20.28	20.14	20.29	20.50
		MID	64QAM	20.26	19.89	20.24	20.50
		HIGH	64QAM	19.99	20.31	20.09	20.50
	50	LOW	64QAM	20.16	20.21	20.02	20.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	23.06	23.05	23.09	23.50
		MID	QPSK	23.20	23.12	**23.22**	23.50
		HIGH	QPSK	23.05	23.00	23.14	23.50
	36	LOW	QPSK	22.09	22.00	22.20	22.50
		MID	QPSK	22.18	22.12	22.23	22.50
		HIGH	QPSK	22.10	22.12	22.16	22.50
	75	LOW	QPSK	22.10	22.10	22.20	22.50
15	1	LOW	Q16	21.50	21.93	22.05	22.50
		MID	Q16	21.68	21.99	**22.19**	22.50
		HIGH	Q16	21.58	21.94	22.09	22.50
	36	LOW	Q16	21.05	21.04	21.16	21.50
		MID	Q16	21.14	21.15	21.15	21.50
		HIGH	Q16	21.08	21.18	21.14	21.50
	75	LOW	Q16	21.09	21.08	21.15	21.50
15	1	LOW	64QAM	20.42	20.91	21.14	21.50
		MID	64QAM	20.70	20.81	**21.31**	21.50
		HIGH	64QAM	20.74	20.76	21.18	21.50
	36	LOW	64QAM	20.04	20.13	20.09	20.50
		MID	64QAM	20.26	20.01	20.03	20.50
		HIGH	64QAM	20.09	20.34	20.07	20.50
	75	LOW	64QAM	19.93	20.18	20.24	20.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	23.01	22.96	22.94	23.50
		MID	QPSK	**23.19**	23.13	23.18	23.50
		HIGH	QPSK	23.03	23.06	23.03	23.50
	50	LOW	QPSK	22.07	21.90	22.16	22.50
		MID	QPSK	22.29	22.08	22.22	22.50
		HIGH	QPSK	22.01	22.15	22.08	22.50
	100	LOW	QPSK	22.06	22.03	22.21	22.50
20	1	LOW	Q16	22.06	21.92	21.94	22.50
		MID	Q16	22.01	22.10	**22.15**	22.50
		HIGH	Q16	22.05	21.98	22.01	22.50
	50	LOW	Q16	21.14	20.92	21.27	21.50
		MID	Q16	21.18	21.10	21.16	21.50
		HIGH	Q16	21.00	21.17	21.03	21.50
	100	LOW	Q16	21.07	21.06	21.18	21.50
20	1	LOW	64QAM	**21.15**	20.95	20.80	21.50
		MID	64QAM	21.09	21.04	21.05	21.50
		HIGH	64QAM	20.92	21.12	20.88	21.50
	50	LOW	64QAM	20.21	20.09	20.28	20.50
		MID	64QAM	20.28	20.02	20.07	20.50
		HIGH	64QAM	20.06	20.20	20.04	20.50
	100	LOW	64QAM	20.25	20.07	20.01	20.50

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Bandwidth (MHz)	RB Size	RB offest	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	18.12	17.98	17.99	18.50
		MID	QPSK	**18.25**	18.18	18.17	18.50
		HIGH	QPSK	18.11	18.02	18.02	18.50
	12	LOW	QPSK	18.07	17.97	18.09	18.50
		MID	QPSK	18.18	18.07	18.13	18.50
		HIGH	QPSK	18.18	18.05	18.08	18.50
	25	LOW	QPSK	18.13	18.01	18.05	18.50
5	1	LOW	Q16	18.27	18.38	18.14	18.50
		MID	Q16	18.39	18.39	18.28	18.50
		HIGH	Q16	18.27	**18.49**	18.17	18.50
	12	LOW	Q16	18.15	18.10	18.10	18.50
		MID	Q16	18.27	18.21	18.18	18.50
		HIGH	Q16	18.23	18.13	18.12	18.50
	25	LOW	Q16	18.19	18.11	18.06	18.50
5	1	LOW	64QAM	17.89	18.02	18.04	18.50
		MID	64QAM	18.15	18.21	**18.26**	18.50
		HIGH	64QAM	18.13	18.14	18.09	18.50
	12	LOW	64QAM	18.10	17.93	17.84	18.50
		MID	64QAM	18.10	17.91	17.97	18.50
		HIGH	64QAM	18.15	17.94	18.10	18.50
	25	LOW	64QAM	17.82	17.85	17.71	18.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	18.11	18.06	18.10	18.50
		MID	QPSK	18.15	18.11	**18.20**	18.50
		HIGH	QPSK	18.11	18.09	18.15	18.50
	25	LOW	QPSK	18.06	17.97	18.14	18.50
		MID	QPSK	18.15	18.07	18.11	18.50
		HIGH	QPSK	18.18	18.14	18.10	18.50
	50	LOW	QPSK	18.18	18.10	18.14	18.50
10	1	LOW	Q16	18.15	**18.45**	18.16	18.50
		MID	Q16	18.14	**18.45**	18.20	18.50
		HIGH	Q16	18.09	18.30	18.15	18.50
	25	LOW	Q16	18.13	18.03	18.24	18.50
		MID	Q16	18.21	18.15	18.25	18.50
		HIGH	Q16	18.23	18.21	18.21	18.50
	50	LOW	Q16	18.16	18.12	18.13	18.50
10	1	LOW	64QAM	17.76	18.25	17.96	18.50
		MID	64QAM	17.81	**18.33**	18.03	18.50
		HIGH	64QAM	17.78	18.20	17.87	18.50
	25	LOW	64QAM	17.94	17.64	17.92	18.50
		MID	64QAM	18.17	17.86	18.14	18.50
		HIGH	64QAM	18.09	18.20	18.11	18.50
	50	LOW	64QAM	17.77	17.93	18.00	18.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	18.05	18.06	18.06	18.50
		MID	QPSK	18.18	18.14	18.18	18.50
		HIGH	QPSK	18.04	18.04	18.10	18.50
	36	LOW	QPSK	18.06	18.00	**18.21**	18.50
		MID	QPSK	18.16	18.07	18.15	18.50
		HIGH	QPSK	18.10	18.13	18.11	18.50
	75	LOW	QPSK	18.13	18.10	18.17	18.50
15	1	LOW	Q16	18.04	18.41	18.17	18.50
		MID	Q16	18.16	**18.48**	18.27	18.50
		HIGH	Q16	18.04	18.41	18.12	18.50
	36	LOW	Q16	18.09	18.06	18.19	18.50
		MID	Q16	18.18	18.20	18.14	18.50
		HIGH	Q16	18.10	18.23	18.10	18.50
	75	LOW	Q16	18.10	18.11	18.14	18.50
15	1	LOW	64QAM	17.94	18.24	17.81	18.50
		MID	64QAM	17.96	18.26	18.01	18.50
		HIGH	64QAM	17.68	**18.31**	17.78	18.50
	36	LOW	64QAM	17.90	17.78	18.05	18.50
		MID	64QAM	17.97	18.16	17.90	18.50
		HIGH	64QAM	17.98	18.00	17.87	18.50
	75	LOW	64QAM	18.07	17.87	17.84	18.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	18.01	17.97	17.96	18.50
		MID	QPSK	18.26	18.16	18.21	18.50
		HIGH	QPSK	18.03	18.04	17.96	18.50
	50	LOW	QPSK	18.12	17.94	18.24	18.50
		MID	QPSK	**18.34**	18.13	18.21	18.50
		HIGH	QPSK	18.06	18.21	18.04	18.50
	100	LOW	QPSK	18.08	18.07	18.18	18.50
20	1	LOW	Q16	18.12	18.04	18.00	18.50
		MID	Q16	**18.35**	18.26	18.26	18.50
		HIGH	Q16	18.16	18.12	18.01	18.50
	50	LOW	Q16	18.15	17.96	18.31	18.50
		MID	Q16	18.25	18.18	18.17	18.50
		HIGH	Q16	18.09	18.25	18.00	18.50
	100	LOW	Q16	18.10	18.10	18.16	18.50
20	1	LOW	64QAM	17.95	17.74	17.71	18.50
		MID	64QAM	18.20	18.20	18.06	18.50
		HIGH	64QAM	17.95	17.76	17.91	18.50
	50	LOW	64QAM	17.85	17.69	**18.27**	18.50
		MID	64QAM	18.24	17.94	18.09	18.50
		HIGH	64QAM	17.89	17.91	17.90	18.50
	100	LOW	64QAM	17.98	18.06	17.85	18.50

LTE B7-Full Power -DAT

Bandwidth (MHz)	RB Size	RB offest	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	22.58	22.54	22.69	24.40
		MID	QPSK	22.73	22.67	**22.86**	24.40
		HIGH	QPSK	22.56	22.52	22.72	24.40
	12	LOW	QPSK	21.56	21.46	21.73	23.40
		MID	QPSK	21.64	21.61	21.79	23.40
		HIGH	QPSK	21.63	21.56	21.73	23.40
	25	LOW	QPSK	21.58	21.50	21.73	23.40
5	1	LOW	Q16	21.67	21.98	21.75	23.40
		MID	Q16	21.83	**22.11**	21.92	23.40
		HIGH	Q16	21.70	21.97	21.81	23.40
	12	LOW	Q16	20.65	20.56	20.69	22.40
		MID	Q16	20.72	20.71	20.83	22.40
		HIGH	Q16	20.63	20.64	20.71	22.40
	25	LOW	Q16	20.62	20.61	20.65	22.40
5	1	LOW	64QAM	20.72	21.09	20.57	22.40
		MID	64QAM	20.69	**21.16**	21.04	22.40
		HIGH	64QAM	20.56	21.08	20.69	22.40
	12	LOW	64QAM	19.53	19.63	19.68	21.40
		MID	64QAM	19.66	19.80	19.89	21.40
		HIGH	64QAM	19.66	19.49	19.89	21.40
	25	LOW	64QAM	19.49	19.65	19.81	21.40
Bandwidth (MHz)	RB Size	RB offest	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	22.63	22.61	22.79	24.40
		MID	QPSK	22.66	22.63	**22.83**	24.40
		HIGH	QPSK	22.68	22.62	**22.83**	24.40
	25	LOW	QPSK	21.58	21.54	21.76	23.40
		MID	QPSK	21.64	21.60	21.77	23.40
		HIGH	QPSK	21.59	21.64	21.75	23.40
	50	LOW	QPSK	21.65	21.59	21.73	23.40
10	1	LOW	Q16	21.49	21.91	21.71	23.40
		MID	Q16	21.55	21.95	21.78	23.40
		HIGH	Q16	21.56	**21.97**	21.77	23.40
	25	LOW	Q16	20.62	20.55	20.83	22.40
		MID	Q16	20.65	20.66	20.85	22.40
		HIGH	Q16	20.62	20.69	20.84	22.40
	50	LOW	Q16	20.57	20.58	20.75	22.40
10	1	LOW	64QAM	20.49	**21.06**	20.59	22.40
		MID	64QAM	20.55	20.85	20.76	22.40
		HIGH	64QAM	20.62	20.95	20.67	22.40
	25	LOW	64QAM	19.68	19.69	19.75	21.40
		MID	64QAM	19.79	19.75	19.77	21.40
		HIGH	64QAM	19.44	19.51	19.74	21.40
	50	LOW	64QAM	19.41	19.46	19.91	21.40
Bandwidth (MHz)	RB Size	RB offest	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	22.54	22.58	22.69	24.40
		MID	QPSK	22.68	22.63	**22.85**	24.40
		HIGH	QPSK	22.58	22.54	22.76	24.40
	36	LOW	QPSK	21.59	21.51	21.78	23.40
		MID	QPSK	21.66	21.66	21.79	23.40
		HIGH	QPSK	21.59	21.67	21.75	23.40
	75	LOW	QPSK	21.61	21.58	21.80	23.40
15	1	LOW	Q16	21.43	21.86	22.02	23.40
		MID	Q16	21.59	21.95	**22.20**	23.40
		HIGH	Q16	21.51	21.83	22.10	23.40
	36	LOW	Q16	20.59	20.56	20.74	22.40
		MID	Q16	20.64	20.68	20.76	22.40
		HIGH	Q16	20.54	20.68	20.72	22.40
	75	LOW	Q16	20.59	20.58	20.72	22.40
15	1	LOW	64QAM	20.60	20.85	**21.16**	22.40
		MID	64QAM	20.56	21.04	21.01	22.40
		HIGH	64QAM	20.46	20.91	20.95	22.40
	36	LOW	64QAM	19.63	19.65	19.88	21.40
		MID	64QAM	19.66	19.76	19.87	21.40
		HIGH	64QAM	19.70	19.58	19.65	21.40
	75	LOW	64QAM	19.47	19.63	19.71	21.40
Bandwidth (MHz)	RB Size	RB offest	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	22.43	22.48	22.49	24.40
		MID	QPSK	**22.78**	22.66	22.69	24.40
		HIGH	QPSK	22.50	22.56	22.62	24.40
	50	LOW	QPSK	21.63	21.42	21.82	23.40
		MID	QPSK	21.78	21.64	21.67	23.40
		HIGH	QPSK	21.50	21.64	21.69	23.40
	100	LOW	QPSK	21.55	21.53	21.77	23.40
20	1	LOW	Q16	21.92	21.82	21.88	23.40
		MID	Q16	**22.17**	22.05	22.12	23.40
		HIGH	Q16	21.95	21.95	21.99	23.40
	50	LOW	Q16	20.59	20.49	20.80	22.40
		MID	Q16	20.68	20.66	20.73	22.40
		HIGH	Q16	20.52	20.66	20.63	22.40
	100	LOW	Q16	20.55	20.54	20.73	22.40
20	1	LOW	64QAM	21.05	20.80	21.00	22.40
		MID	64QAM	**21.31**	21.11	21.29	22.40
		HIGH	64QAM	21.14	21.01	21.17	22.40
	50	LOW	64QAM	19.47	19.50	19.99	21.40
		MID	64QAM	19.50	19.72	19.54	21.40
		HIGH	64QAM	19.59	19.53	19.79	21.40
	100	LOW	64QAM	19.46	19.57	19.59	21.40

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Bandwidth (MHz)	RB Size	RB offest	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	22.58	22.54	22.69	24.40
		MID	QPSK	22.73	22.67	**22.86**	24.40
		HIGH	QPSK	22.56	22.52	22.72	24.40
	12	LOW	QPSK	21.56	21.46	21.73	23.40
		MID	QPSK	21.64	21.61	21.79	23.40
		HIGH	QPSK	21.63	21.56	21.73	23.40
	25	LOW	QPSK	21.58	21.50	21.73	23.40
5	1	LOW	Q16	21.67	21.98	21.75	23.40
		MID	Q16	21.83	**22.11**	21.92	23.40
		HIGH	Q16	21.70	21.97	21.81	23.40
	12	LOW	Q16	20.65	20.56	20.69	22.40
		MID	Q16	20.72	20.71	20.83	22.40
		HIGH	Q16	20.63	20.64	20.71	22.40
	25	LOW	Q16	20.62	20.61	20.65	22.40
5	1	LOW	64QAM	20.72	21.09	20.57	22.40
		MID	64QAM	20.69	**21.16**	21.04	22.40
		HIGH	64QAM	20.56	21.08	20.69	22.40
	12	LOW	64QAM	19.53	19.63	19.68	21.40
		MID	64QAM	19.66	19.80	19.89	21.40
		HIGH	64QAM	19.66	19.49	19.89	21.40
	25	LOW	64QAM	19.49	19.65	19.81	21.40
Bandwidth (MHz)	RB Size	RB offest	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	22.63	22.61	22.79	24.40
		MID	QPSK	22.66	22.63	**22.83**	24.40
		HIGH	QPSK	22.68	22.62	**22.83**	24.40
	25	LOW	QPSK	21.58	21.54	21.76	23.40
		MID	QPSK	21.64	21.60	21.77	23.40
		HIGH	QPSK	21.59	21.64	21.75	23.40
	50	LOW	QPSK	21.65	21.59	21.73	23.40
10	1	LOW	Q16	21.49	21.91	21.71	23.40
		MID	Q16	21.55	21.95	21.78	23.40
		HIGH	Q16	21.56	**21.97**	21.77	23.40
	25	LOW	Q16	20.62	20.55	20.83	22.40
		MID	Q16	20.65	20.66	20.85	22.40
		HIGH	Q16	20.62	20.69	20.84	22.40
	50	LOW	Q16	20.57	20.58	20.75	22.40
10	1	LOW	64QAM	20.49	**21.06**	20.59	22.40
		MID	64QAM	20.55	20.85	20.76	22.40
		HIGH	64QAM	20.62	20.95	20.67	22.40
	25	LOW	64QAM	19.68	19.69	19.75	21.40
		MID	64QAM	19.79	19.75	19.77	21.40
		HIGH	64QAM	19.44	19.51	19.74	21.40
	50	LOW	64QAM	19.41	19.46	19.91	21.40
Bandwidth (MHz)	RB Size	RB offest	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	22.54	22.58	22.69	24.40
		MID	QPSK	22.68	22.63	**22.85**	24.40
		HIGH	QPSK	22.58	22.54	22.76	24.40
	36	LOW	QPSK	21.59	21.51	21.78	23.40
		MID	QPSK	21.66	21.66	21.79	23.40
		HIGH	QPSK	21.59	21.67	21.75	23.40
	75	LOW	QPSK	21.61	21.58	21.80	23.40
15	1	LOW	Q16	21.43	21.86	22.02	23.40
		MID	Q16	21.59	21.95	**22.20**	23.40
		HIGH	Q16	21.51	21.83	22.10	23.40
	36	LOW	Q16	20.59	20.56	20.74	22.40
		MID	Q16	20.64	20.68	20.76	22.40
		HIGH	Q16	20.54	20.68	20.72	22.40
	75	LOW	Q16	20.59	20.58	20.72	22.40
15	1	LOW	64QAM	20.60	20.85	**21.16**	22.40
		MID	64QAM	20.56	21.04	21.01	22.40
		HIGH	64QAM	20.46	20.91	20.95	22.40
	36	LOW	64QAM	19.63	19.65	19.88	21.40
		MID	64QAM	19.66	19.76	19.87	21.40
		HIGH	64QAM	19.70	19.58	19.65	21.40
	75	LOW	64QAM	19.47	19.63	19.71	21.40
Bandwidth (MHz)	RB Size	RB offest	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	22.43	22.48	22.49	24.40
		MID	QPSK	**22.78**	22.66	22.69	24.40
		HIGH	QPSK	22.50	22.56	22.62	24.40
	50	LOW	QPSK	21.63	21.42	21.82	23.40
		MID	QPSK	21.78	21.64	21.67	23.40
		HIGH	QPSK	21.50	21.64	21.69	23.40
	100	LOW	QPSK	21.55	21.53	21.77	23.40
20	1	LOW	Q16	21.92	21.82	21.88	23.40
		MID	Q16	**22.17**	22.05	22.12	23.40
		HIGH	Q16	21.95	21.95	21.99	23.40
	50	LOW	Q16	20.59	20.49	20.80	22.40
		MID	Q16	20.68	20.66	20.73	22.40
		HIGH	Q16	20.52	20.66	20.63	22.40
	100	LOW	Q16	20.55	20.54	20.73	22.40
20	1	LOW	64QAM	21.05	20.80	21.00	22.40
		MID	64QAM	**21.31**	21.11	21.29	22.40
		HIGH	64QAM	21.14	21.01	21.17	22.40
	50	LOW	64QAM	19.47	19.50	19.99	21.40
		MID	64QAM	19.50	19.72	19.54	21.40
		HIGH	64QAM	19.59	19.53	19.79	21.40
	100	LOW	64QAM	19.46	19.57	19.59	21.40

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Bandwidth (MHz)	RB Size	RB offest	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	22.58	22.54	22.69	24.40
		MID	QPSK	22.73	22.67	**22.86**	24.40
		HIGH	QPSK	22.56	22.52	22.72	24.40
	12	LOW	QPSK	21.56	21.46	21.73	23.40
		MID	QPSK	21.64	21.61	21.79	23.40
		HIGH	QPSK	21.63	21.56	21.73	23.40
	25	LOW	QPSK	21.58	21.50	21.73	23.40
5	1	LOW	Q16	21.67	21.98	21.75	23.40
		MID	Q16	21.83	**22.11**	21.92	23.40
		HIGH	Q16	21.70	21.97	21.81	23.40
	12	LOW	Q16	20.65	20.56	20.69	22.40
		MID	Q16	20.72	20.71	20.83	22.40
		HIGH	Q16	20.63	20.64	20.71	22.40
	25	LOW	Q16	20.62	20.61	20.65	22.40
5	1	LOW	64QAM	20.72	21.09	20.57	22.40
		MID	64QAM	20.69	**21.16**	21.04	22.40
		HIGH	64QAM	20.56	21.08	20.69	22.40
	12	LOW	64QAM	19.53	19.63	19.68	21.40
		MID	64QAM	19.66	19.80	19.89	21.40
		HIGH	64QAM	19.66	19.49	19.89	21.40
	25	LOW	64QAM	19.49	19.65	19.81	21.40
Bandwidth (MHz)	RB Size	RB offest	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	22.63	22.61	22.79	24.40
		MID	QPSK	22.66	22.63	**22.83**	24.40
		HIGH	QPSK	22.68	22.62	**22.83**	24.40
	25	LOW	QPSK	21.58	21.54	21.76	23.40
		MID	QPSK	21.64	21.60	21.77	23.40
		HIGH	QPSK	21.59	21.64	21.75	23.40
	50	LOW	QPSK	21.65	21.59	21.73	23.40
10	1	LOW	Q16	21.49	21.91	21.71	23.40
		MID	Q16	21.55	21.95	21.78	23.40
		HIGH	Q16	21.56	**21.97**	21.77	23.40
	25	LOW	Q16	20.62	20.55	20.83	22.40
		MID	Q16	20.65	20.66	20.85	22.40
		HIGH	Q16	20.62	20.69	20.84	22.40
	50	LOW	Q16	20.57	20.58	20.75	22.40
10	1	LOW	64QAM	20.49	**21.06**	20.59	22.40
		MID	64QAM	20.55	20.85	20.76	22.40
		HIGH	64QAM	20.62	20.95	20.67	22.40
	25	LOW	64QAM	19.68	19.69	19.75	21.40
		MID	64QAM	19.79	19.75	19.77	21.40
		HIGH	64QAM	19.44	19.51	19.74	21.40
	50	LOW	64QAM	19.41	19.46	19.91	21.40
Bandwidth (MHz)	RB Size	RB offest	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	22.54	22.58	22.69	24.40
		MID	QPSK	22.68	22.63	**22.85**	24.40
		HIGH	QPSK	22.58	22.54	22.76	24.40
	36	LOW	QPSK	21.59	21.51	21.78	23.40
		MID	QPSK	21.66	21.66	21.79	23.40
		HIGH	QPSK	21.59	21.67	21.75	23.40
	75	LOW	QPSK	21.61	21.58	21.80	23.40
15	1	LOW	Q16	21.43	21.86	22.02	23.40
		MID	Q16	21.59	21.95	**22.20**	23.40
		HIGH	Q16	21.51	21.83	22.10	23.40
	36	LOW	Q16	20.59	20.56	20.74	22.40
		MID	Q16	20.64	20.68	20.76	22.40
		HIGH	Q16	20.54	20.68	20.72	22.40
	75	LOW	Q16	20.59	20.58	20.72	22.40
15	1	LOW	64QAM	20.60	20.85	**21.16**	22.40
		MID	64QAM	20.56	21.04	21.01	22.40
		HIGH	64QAM	20.46	20.91	20.95	22.40
	36	LOW	64QAM	19.63	19.65	19.88	21.40
		MID	64QAM	19.66	19.76	19.87	21.40
		HIGH	64QAM	19.70	19.58	19.65	21.40
	75	LOW	64QAM	19.47	19.63	19.71	21.40
Bandwidth (MHz)	RB Size	RB offest	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	22.43	22.48	22.49	24.40
		MID	QPSK	**22.78**	22.66	22.69	24.40
		HIGH	QPSK	22.50	22.56	22.62	24.40
	50	LOW	QPSK	21.63	21.42	21.82	23.40
		MID	QPSK	21.78	21.64	21.67	23.40
		HIGH	QPSK	21.50	21.64	21.69	23.40
	100	LOW	QPSK	21.55	21.53	21.77	23.40
20	1	LOW	Q16	21.92	21.82	21.88	23.40
		MID	Q16	**22.17**	22.05	22.12	23.40
		HIGH	Q16	21.95	21.95	21.99	23.40
	50	LOW	Q16	20.59	20.49	20.80	22.40
		MID	Q16	20.68	20.66	20.73	22.40
		HIGH	Q16	20.52	20.66	20.63	22.40
	100	LOW	Q16	20.55	20.54	20.73	22.40
20	1	LOW	64QAM	21.05	20.80	21.00	22.40
		MID	64QAM	**21.31**	21.11	21.29	22.40
		HIGH	64QAM	21.14	21.01	21.17	22.40
	50	LOW	64QAM	19.47	19.50	19.99	21.40
		MID	64QAM	19.50	19.72	19.54	21.40
		HIGH	64QAM	19.59	19.53	19.79	21.40
	100	LOW	64QAM	19.46	19.57	19.59	21.40

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Bandwidth (MHz)	RB Size	RB offest	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	22.58	22.54	22.69	23.50
		MID	QPSK	22.73	22.67	**22.86**	23.50
		HIGH	QPSK	22.56	22.52	22.72	23.50
	12	LOW	QPSK	21.56	21.46	21.73	22.50
		MID	QPSK	21.64	21.61	21.79	22.50
		HIGH	QPSK	21.63	21.56	21.73	22.50
	25	LOW	QPSK	21.58	21.50	21.73	22.50
5	1	LOW	Q16	21.67	21.98	21.75	22.50
		MID	Q16	21.83	**22.11**	21.92	22.50
		HIGH	Q16	21.70	21.97	21.81	22.50
	12	LOW	Q16	20.65	20.56	20.69	21.50
		MID	Q16	20.72	20.71	20.83	21.50
		HIGH	Q16	20.63	20.64	20.71	21.50
	25	LOW	Q16	20.62	20.61	20.65	21.50
5	1	LOW	64QAM	20.72	21.09	20.57	21.50
		MID	64QAM	20.69	**21.16**	21.04	21.50
		HIGH	64QAM	20.56	21.08	20.69	21.50
	12	LOW	64QAM	19.53	19.63	19.68	20.50
		MID	64QAM	19.66	19.80	19.89	20.50
		HIGH	64QAM	19.66	19.49	19.89	20.50
	25	LOW	64QAM	19.49	19.65	19.81	20.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	22.63	22.61	22.79	23.50
		MID	QPSK	22.66	22.63	**22.83**	23.50
		HIGH	QPSK	22.68	22.62	**22.83**	23.50
	25	LOW	QPSK	21.58	21.54	21.76	22.50
		MID	QPSK	21.64	21.60	21.77	22.50
		HIGH	QPSK	21.59	21.64	21.75	22.50
	50	LOW	QPSK	21.65	21.59	21.73	22.50
10	1	LOW	Q16	21.49	21.91	21.71	22.50
		MID	Q16	21.55	21.95	21.78	22.50
		HIGH	Q16	21.56	**21.97**	21.77	22.50
	25	LOW	Q16	20.62	20.55	20.83	21.50
		MID	Q16	20.65	20.66	20.85	21.50
		HIGH	Q16	20.62	20.69	20.84	21.50
	50	LOW	Q16	20.57	20.58	20.75	21.50
10	1	LOW	64QAM	20.39	**21.06**	20.59	21.50
		MID	64QAM	20.55	20.85	20.76	21.50
		HIGH	64QAM	20.62	20.95	20.67	21.50
	25	LOW	64QAM	19.68	19.69	19.75	20.50
		MID	64QAM	19.79	19.75	19.77	20.50
		HIGH	64QAM	19.44	19.51	19.74	20.50
	50	LOW	64QAM	19.41	19.46	19.91	20.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	22.54	22.58	22.69	23.50
		MID	QPSK	22.68	22.63	**22.85**	23.50
		HIGH	QPSK	22.58	22.54	22.76	23.50
	36	LOW	QPSK	21.59	21.51	21.78	22.50
		MID	QPSK	21.66	21.66	21.79	22.50
		HIGH	QPSK	21.59	21.67	21.75	22.50
	75	LOW	QPSK	21.61	21.58	21.80	22.50
15	1	LOW	Q16	21.43	21.86	22.02	22.50
		MID	Q16	21.59	21.95	**22.20**	22.50
		HIGH	Q16	21.51	21.83	22.10	22.50
	36	LOW	Q16	20.59	20.56	20.74	21.50
		MID	Q16	20.64	20.68	20.76	21.50
		HIGH	Q16	20.54	20.68	20.72	21.50
	75	LOW	Q16	20.59	20.58	20.72	21.50
15	1	LOW	64QAM	20.60	20.85	**21.16**	21.50
		MID	64QAM	20.56	21.04	21.01	21.50
		HIGH	64QAM	20.36	20.91	20.95	21.50
	36	LOW	64QAM	19.63	19.65	19.88	20.50
		MID	64QAM	19.66	19.76	19.87	20.50
		HIGH	64QAM	19.70	19.58	19.65	20.50
	75	LOW	64QAM	19.47	19.63	19.71	20.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	22.43	22.48	22.49	23.50
		MID	QPSK	**22.78**	22.66	22.69	23.50
		HIGH	QPSK	22.50	22.56	22.62	23.50
	50	LOW	QPSK	21.63	21.42	21.82	22.50
		MID	QPSK	21.78	21.64	21.67	22.50
		HIGH	QPSK	21.50	21.64	21.69	22.50
	100	LOW	QPSK	21.55	21.53	21.77	22.50
20	1	LOW	Q16	21.92	21.82	21.88	22.50
		MID	Q16	**22.17**	22.05	22.12	22.50
		HIGH	Q16	21.95	21.95	21.99	22.50
	50	LOW	Q16	20.59	20.39	20.80	21.50
		MID	Q16	20.68	20.66	20.73	21.50
		HIGH	Q16	20.52	20.66	20.63	21.50
	100	LOW	Q16	20.55	20.54	20.73	21.50
20	1	LOW	64QAM	21.05	20.80	21.00	21.50
		MID	64QAM	**21.31**	21.11	21.29	21.50
		HIGH	64QAM	21.14	21.01	21.17	21.50
	50	LOW	64QAM	19.47	19.50	19.99	20.50
		MID	64QAM	19.50	19.72	19.54	20.50
		HIGH	64QAM	19.59	19.53	19.79	20.50
	100	LOW	64QAM	19.36	19.57	19.59	20.50

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Bandwidth (MHz)	RB Size	RB offest	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	17.52	17.47	17.58	18.50
		MID	QPSK	17.61	17.62	**17.72**	18.50
		HIGH	QPSK	17.50	17.45	17.61	18.50
	12	LOW	QPSK	17.48	17.44	17.67	18.50
		MID	QPSK	17.58	17.53	17.68	18.50
		HIGH	QPSK	17.52	17.50	17.64	18.50
	25	LOW	QPSK	17.48	17.53	17.63	18.50
5	1	LOW	Q16	17.67	17.94	17.75	18.50
		MID	Q16	17.82	**18.07**	17.88	18.50
		HIGH	Q16	17.69	17.91	17.76	18.50
	12	LOW	Q16	17.58	17.50	17.70	18.50
		MID	Q16	17.70	17.70	17.76	18.50
		HIGH	Q16	17.61	17.69	17.67	18.50
	25	LOW	Q16	17.59	17.59	17.64	18.50
5	1	LOW	64QAM	17.30	17.66	17.40	18.50
		MID	64QAM	17.48	17.83	17.57	18.50
		HIGH	64QAM	17.68	**17.84**	17.61	18.50
	12	LOW	64QAM	17.37	17.36	17.40	18.50
		MID	64QAM	17.43	17.47	17.61	18.50
		HIGH	64QAM	17.42	17.65	17.63	18.50
	25	LOW	64QAM	17.37	17.26	17.44	18.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	17.51	17.55	17.71	18.50
		MID	QPSK	17.58	17.60	**17.78**	18.50
		HIGH	QPSK	17.57	17.62	17.74	18.50
	25	LOW	QPSK	17.52	17.46	17.69	18.50
		MID	QPSK	17.59	17.58	17.72	18.50
		HIGH	QPSK	17.56	17.61	17.68	18.50
	50	LOW	QPSK	17.59	17.56	17.72	18.50
10	1	LOW	Q16	17.49	17.90	17.72	18.50
		MID	Q16	17.58	**17.99**	17.77	18.50
		HIGH	Q16	17.54	17.97	17.68	18.50
	25	LOW	Q16	17.53	17.52	17.78	18.50
		MID	Q16	17.60	17.62	17.84	18.50
		HIGH	Q16	17.59	17.71	17.79	18.50
	50	LOW	Q16	17.58	17.58	17.73	18.50
10	1	LOW	64QAM	17.30	17.60	17.67	18.50
		MID	64QAM	17.35	**17.83**	17.73	18.50
		HIGH	64QAM	17.28	17.58	17.41	18.50
	25	LOW	64QAM	17.42	17.35	17.39	18.50
		MID	64QAM	17.25	17.33	17.73	18.50
		HIGH	64QAM	17.33	17.47	17.64	18.50
	50	LOW	64QAM	17.34	17.40	17.48	18.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	17.48	17.51	17.65	18.50
		MID	QPSK	17.58	17.62	**17.76**	18.50
		HIGH	QPSK	17.46	17.56	17.68	18.50
	36	LOW	QPSK	17.50	17.47	17.75	18.50
		MID	QPSK	17.58	17.57	17.72	18.50
		HIGH	QPSK	17.48	17.60	17.70	18.50
	75	LOW	QPSK	17.53	17.55	17.72	18.50
15	1	LOW	Q16	17.43	17.92	18.11	18.50
		MID	Q16	17.56	18.00	**18.23**	18.50
		HIGH	Q16	17.48	17.91	18.09	18.50
	36	LOW	Q16	17.50	17.55	17.70	18.50
		MID	Q16	17.60	17.67	17.71	18.50
		HIGH	Q16	17.54	17.69	17.68	18.50
	75	LOW	Q16	17.54	17.62	17.70	18.50
15	1	LOW	64QAM	17.27	17.61	**18.00**	18.50
		MID	64QAM	17.48	17.75	17.97	18.50
		HIGH	64QAM	17.46	17.65	17.88	18.50
	36	LOW	64QAM	17.26	17.37	17.47	18.50
		MID	64QAM	17.38	17.41	17.49	18.50
		HIGH	64QAM	17.36	17.39	17.48	18.50
	75	LOW	64QAM	17.38	17.48	17.68	18.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	17.40	17.42	17.51	18.50
		MID	QPSK	17.78	17.65	17.63	18.50
		HIGH	QPSK	17.45	17.58	17.57	18.50
	50	LOW	QPSK	17.55	17.41	17.63	18.50
		MID	QPSK	**17.82**	17.62	17.76	18.50
		HIGH	QPSK	17.48	17.66	17.63	18.50
	100	LOW	QPSK	17.53	17.56	17.73	18.50
20	1	LOW	Q16	17.81	17.77	17.90	18.50
		MID	Q16	**18.14**	18.09	18.11	18.50
		HIGH	Q16	17.88	18.04	18.01	18.50
	50	LOW	Q16	17.61	17.44	17.78	18.50
		MID	Q16	17.64	17.67	17.74	18.50
		HIGH	Q16	17.54	17.66	17.62	18.50
	100	LOW	Q16	17.54	17.55	17.74	18.50
20	1	LOW	64QAM	17.61	17.38	17.67	18.50
		MID	64QAM	17.83	17.85	**17.93**	18.50
		HIGH	64QAM	17.54	17.71	17.62	18.50
	50	LOW	64QAM	17.58	17.09	17.61	18.50
		MID	64QAM	17.46	17.39	17.72	18.50
		HIGH	64QAM	17.27	17.27	17.43	18.50
	100	LOW	64QAM	17.24	17.36	17.50	18.50

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Bandwidth (MHz)	RB Size	RB offest	Modulation	23017	23095	23173	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.51	23.48	23.46	24.50
		MID	QPSK	23.61	23.57	23.57	24.50
		HIGH	QPSK	23.57	23.55	23.53	24.50
	3	LOW	QPSK	23.63	23.62	23.60	24.50
		MID	QPSK	**23.69**	23.68	23.63	24.50
		HIGH	QPSK	23.64	23.64	23.61	24.50
	6	LOW	QPSK	22.71	22.76	22.66	23.50
1.4	1	LOW	Q16	22.64	22.95	22.45	23.50
		MID	Q16	22.72	**22.96**	22.53	23.50
		HIGH	Q16	22.66	22.94	22.45	23.50
	3	LOW	Q16	22.70	22.87	22.73	23.50
		MID	Q16	22.74	22.87	22.79	23.50
		HIGH	Q16	22.71	22.85	22.77	23.50
	6	LOW	Q16	21.89	21.70	21.85	22.50
1.4	1	LOW	64QAM	21.54	21.77	21.43	22.50
		MID	64QAM	21.36	21.62	21.18	22.50
		HIGH	64QAM	21.54	**21.92**	21.28	22.50
	3	LOW	64QAM	21.38	21.64	21.52	22.50
		MID	64QAM	21.69	21.59	21.72	22.50
		HIGH	64QAM	21.56	21.53	21.63	22.50
	6	LOW	64QAM	20.59	20.31	20.64	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23025	23095	23165	Tune-up power(dBm)
3	1	LOW	QPSK	23.38	23.44	23.41	24.50
		MID	QPSK	**23.52**	23.51	23.49	24.50
		HIGH	QPSK	23.44	23.43	23.41	24.50
	8	LOW	QPSK	22.74	22.70	22.62	23.50
		MID	QPSK	22.76	22.71	22.66	23.50
		HIGH	QPSK	22.67	22.69	22.58	23.50
	15	LOW	QPSK	22.70	22.68	22.60	23.50
3	1	LOW	Q16	22.35	22.87	22.39	23.50
		MID	Q16	22.48	**23.01**	22.45	23.50
		HIGH	Q16	22.37	22.83	22.36	23.50
	8	LOW	Q16	21.83	21.82	21.71	22.50
		MID	Q16	21.85	21.84	21.68	22.50
		HIGH	Q16	21.75	21.73	21.66	22.50
	15	LOW	Q16	21.70	21.67	21.51	22.50
3	1	LOW	64QAM	21.25	21.94	21.51	22.50
		MID	64QAM	21.34	**22.09**	21.34	22.50
		HIGH	64QAM	21.31	21.66	21.42	22.50
	8	LOW	64QAM	20.74	20.91	20.84	21.50
		MID	64QAM	21.02	20.96	20.59	21.50
		HIGH	64QAM	20.66	20.80	20.80	21.50
	15	LOW	64QAM	20.63	20.75	20.44	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23035	23095	23155	Tune-up power(dBm)
5	1	LOW	QPSK	23.66	23.69	23.58	24.50
		MID	QPSK	**23.83**	23.79	23.75	24.50
		HIGH	QPSK	23.66	23.69	23.64	24.50
	12	LOW	QPSK	22.77	22.71	22.77	23.50
		MID	QPSK	22.83	22.83	22.77	23.50
		HIGH	QPSK	22.74	22.73	22.68	23.50
	25	LOW	QPSK	22.74	22.74	22.70	23.50
5	1	LOW	Q16	22.84	23.23	22.71	23.50
		MID	Q16	22.97	**23.33**	22.83	23.50
		HIGH	Q16	22.91	23.17	22.74	23.50
	12	LOW	Q16	21.85	21.86	21.79	22.50
		MID	Q16	21.92	21.97	21.84	22.50
		HIGH	Q16	21.87	21.88	21.66	22.50
	25	LOW	Q16	21.86	21.88	21.75	22.50
5	1	LOW	64QAM	21.80	22.11	21.59	22.50
		MID	64QAM	22.06	**22.48**	21.73	22.50
		HIGH	64QAM	21.81	22.36	21.69	22.50
	12	LOW	64QAM	20.73	20.84	20.90	21.50
		MID	64QAM	20.75	21.03	20.66	21.50
		HIGH	64QAM	20.69	20.92	20.74	21.50
	25	LOW	64QAM	20.77	20.72	20.56	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23060	23095	23130	Tune-up power(dBm)
10	1	LOW	QPSK	23.76	23.69	23.70	24.50
		MID	QPSK	23.73	23.79	**23.80**	24.50
		HIGH	QPSK	23.71	23.77	23.78	24.50
	25	LOW	QPSK	22.76	22.72	22.69	23.50
		MID	QPSK	22.72	22.82	22.88	23.50
		HIGH	QPSK	22.87	22.69	22.63	23.50
	50	LOW	QPSK	22.88	22.73	22.73	23.50
10	1	LOW	Q16	22.66	23.12	22.82	23.50
		MID	Q16	22.74	**23.21**	22.75	23.50
		HIGH	Q16	22.70	23.10	22.73	23.50
	25	LOW	Q16	21.81	21.78	21.86	22.50
		MID	Q16	21.92	21.93	21.90	22.50
		HIGH	Q16	21.98	21.79	21.74	22.50
	50	LOW	Q16	21.85	21.77	21.76	22.50
10	1	LOW	64QAM	21.51	**22.19**	21.76	22.50
		MID	64QAM	21.74	22.08	21.88	22.50
		HIGH	64QAM	21.87	22.16	21.77	22.50
	25	LOW	64QAM	20.87	20.87	20.87	21.50
		MID	64QAM	20.80	20.82	21.01	21.50
		HIGH	64QAM	21.17	20.95	20.66	21.50
	50	LOW	64QAM	20.93	20.81	20.74	21.50

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Bandwidth (MHz)	RB Size	RB offest	Modulation	23017	23095	23173	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.51	23.48	23.46	24.50
		MID	QPSK	23.61	23.57	23.57	24.50
		HIGH	QPSK	23.57	23.55	23.53	24.50
	3	LOW	QPSK	23.63	23.62	23.60	24.50
		MID	QPSK	**23.69**	23.68	23.63	24.50
		HIGH	QPSK	23.64	23.64	23.61	24.50
	6	LOW	QPSK	22.71	22.76	22.66	23.50
1.4	1	LOW	Q16	22.64	22.95	22.45	23.50
		MID	Q16	22.72	**22.96**	22.53	23.50
		HIGH	Q16	22.66	22.94	22.45	23.50
	3	LOW	Q16	22.70	22.87	22.73	23.50
		MID	Q16	22.74	22.87	22.79	23.50
		HIGH	Q16	22.71	22.85	22.77	23.50
	6	LOW	Q16	21.89	21.70	21.85	22.50
1.4	1	LOW	64QAM	21.54	21.77	21.43	22.50
		MID	64QAM	21.36	21.62	21.18	22.50
		HIGH	64QAM	21.54	**21.92**	21.28	22.50
	3	LOW	64QAM	21.38	21.64	21.52	22.50
		MID	64QAM	21.69	21.59	21.72	22.50
		HIGH	64QAM	21.56	21.53	21.63	22.50
	6	LOW	64QAM	20.59	20.31	20.64	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23025	23095	23165	Tune-up power(dBm)
3	1	LOW	QPSK	23.38	23.44	23.41	24.50
		MID	QPSK	**23.52**	23.51	23.49	24.50
		HIGH	QPSK	23.44	23.43	23.41	24.50
	8	LOW	QPSK	22.74	22.70	22.62	23.50
		MID	QPSK	22.76	22.71	22.66	23.50
		HIGH	QPSK	22.67	22.69	22.58	23.50
	15	LOW	QPSK	22.70	22.68	22.60	23.50
3	1	LOW	Q16	22.35	22.87	22.39	23.50
		MID	Q16	22.48	**23.01**	22.45	23.50
		HIGH	Q16	22.37	22.83	22.36	23.50
	8	LOW	Q16	21.83	21.82	21.71	22.50
		MID	Q16	21.85	21.84	21.68	22.50
		HIGH	Q16	21.75	21.73	21.66	22.50
	15	LOW	Q16	21.70	21.67	21.51	22.50
3	1	LOW	64QAM	21.25	21.94	21.51	22.50
		MID	64QAM	21.34	**22.09**	21.34	22.50
		HIGH	64QAM	21.31	21.66	21.42	22.50
	8	LOW	64QAM	20.74	20.91	20.84	21.50
		MID	64QAM	21.02	20.96	20.59	21.50
		HIGH	64QAM	20.66	20.80	20.80	21.50
	15	LOW	64QAM	20.63	20.75	20.44	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23035	23095	23155	Tune-up power(dBm)
5	1	LOW	QPSK	23.66	23.69	23.58	24.50
		MID	QPSK	**23.83**	23.79	23.75	24.50
		HIGH	QPSK	23.66	23.69	23.64	24.50
	12	LOW	QPSK	22.77	22.71	22.77	23.50
		MID	QPSK	22.83	22.83	22.77	23.50
		HIGH	QPSK	22.74	22.73	22.68	23.50
	25	LOW	QPSK	22.74	22.74	22.70	23.50
5	1	LOW	Q16	22.84	23.23	22.71	23.50
		MID	Q16	22.97	**23.33**	22.83	23.50
		HIGH	Q16	22.91	23.17	22.74	23.50
	12	LOW	Q16	21.85	21.86	21.79	22.50
		MID	Q16	21.92	21.97	21.84	22.50
		HIGH	Q16	21.87	21.88	21.66	22.50
	25	LOW	Q16	21.86	21.88	21.75	22.50
5	1	LOW	64QAM	21.80	22.11	21.59	22.50
		MID	64QAM	22.06	**22.48**	21.73	22.50
		HIGH	64QAM	21.81	22.36	21.69	22.50
	12	LOW	64QAM	20.73	20.84	20.90	21.50
		MID	64QAM	20.75	21.03	20.66	21.50
		HIGH	64QAM	20.69	20.92	20.74	21.50
	25	LOW	64QAM	20.77	20.72	20.56	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23060	23095	23130	Tune-up power(dBm)
10	1	LOW	QPSK	23.76	23.69	23.70	24.50
		MID	QPSK	23.73	23.79	**23.80**	24.50
		HIGH	QPSK	23.71	23.77	23.78	24.50
	25	LOW	QPSK	22.76	22.72	22.69	23.50
		MID	QPSK	22.72	22.82	22.88	23.50
		HIGH	QPSK	22.87	22.69	22.63	23.50
	50	LOW	QPSK	22.88	22.73	22.73	23.50
10	1	LOW	Q16	22.66	23.12	22.82	23.50
		MID	Q16	22.74	**23.21**	22.75	23.50
		HIGH	Q16	22.70	23.10	22.73	23.50
	25	LOW	Q16	21.81	21.78	21.86	22.50
		MID	Q16	21.92	21.93	21.90	22.50
		HIGH	Q16	21.98	21.79	21.74	22.50
	50	LOW	Q16	21.85	21.77	21.76	22.50
10	1	LOW	64QAM	21.51	**22.19**	21.76	22.50
		MID	64QAM	21.74	22.08	21.88	22.50
		HIGH	64QAM	21.87	22.16	21.77	22.50
	25	LOW	64QAM	20.87	20.87	20.87	21.50
		MID	64QAM	20.80	20.82	21.01	21.50
		HIGH	64QAM	21.17	20.95	20.66	21.50
	50	LOW	64QAM	20.93	20.81	20.74	21.50

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Bandwidth (MHz)	RB Size	RB offest	Modulation	23017	23095	23173	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.51	23.48	23.46	24.50
		MID	QPSK	23.61	23.57	23.57	24.50
		HIGH	QPSK	23.57	23.55	23.53	24.50
	3	LOW	QPSK	23.63	23.62	23.60	24.50
		MID	QPSK	**23.69**	23.68	23.63	24.50
		HIGH	QPSK	23.64	23.64	23.61	24.50
	6	LOW	QPSK	22.71	22.76	22.66	23.50
1.4	1	LOW	Q16	22.64	22.95	22.45	23.50
		MID	Q16	22.72	**22.96**	22.53	23.50
		HIGH	Q16	22.66	22.94	22.45	23.50
	3	LOW	Q16	22.70	22.87	22.73	23.50
		MID	Q16	22.74	22.87	22.79	23.50
		HIGH	Q16	22.71	22.85	22.77	23.50
	6	LOW	Q16	21.89	21.70	21.85	22.50
1.4	1	LOW	64QAM	21.54	21.77	21.43	22.50
		MID	64QAM	21.36	21.62	21.18	22.50
		HIGH	64QAM	21.54	**21.92**	21.28	22.50
	3	LOW	64QAM	21.38	21.64	21.52	22.50
		MID	64QAM	21.69	21.59	21.72	22.50
		HIGH	64QAM	21.56	21.53	21.63	22.50
	6	LOW	64QAM	20.59	20.31	20.64	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23025	23095	23165	Tune-up power(dBm)
3	1	LOW	QPSK	23.38	23.44	23.41	24.50
		MID	QPSK	**23.52**	23.51	23.49	24.50
		HIGH	QPSK	23.44	23.43	23.41	24.50
	8	LOW	QPSK	22.74	22.70	22.62	23.50
		MID	QPSK	22.76	22.71	22.66	23.50
		HIGH	QPSK	22.67	22.69	22.58	23.50
	15	LOW	QPSK	22.70	22.68	22.60	23.50
3	1	LOW	Q16	22.35	22.87	22.39	23.50
		MID	Q16	22.48	**23.01**	22.45	23.50
		HIGH	Q16	22.37	22.83	22.36	23.50
	8	LOW	Q16	21.83	21.82	21.71	22.50
		MID	Q16	21.85	21.84	21.68	22.50
		HIGH	Q16	21.75	21.73	21.66	22.50
	15	LOW	Q16	21.70	21.67	21.51	22.50
3	1	LOW	64QAM	21.25	21.94	21.51	22.50
		MID	64QAM	21.34	**22.09**	21.34	22.50
		HIGH	64QAM	21.31	21.66	21.42	22.50
	8	LOW	64QAM	20.74	20.91	20.84	21.50
		MID	64QAM	21.02	20.96	20.59	21.50
		HIGH	64QAM	20.66	20.80	20.80	21.50
	15	LOW	64QAM	20.63	20.75	20.44	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23035	23095	23155	Tune-up power(dBm)
5	1	LOW	QPSK	23.66	23.69	23.58	24.50
		MID	QPSK	**23.83**	23.79	23.75	24.50
		HIGH	QPSK	23.66	23.69	23.64	24.50
	12	LOW	QPSK	22.77	22.71	22.77	23.50
		MID	QPSK	22.83	22.83	22.77	23.50
		HIGH	QPSK	22.74	22.73	22.68	23.50
	25	LOW	QPSK	22.74	22.74	22.70	23.50
5	1	LOW	Q16	22.84	23.23	22.71	23.50
		MID	Q16	22.97	**23.33**	22.83	23.50
		HIGH	Q16	22.91	23.17	22.74	23.50
	12	LOW	Q16	21.85	21.86	21.79	22.50
		MID	Q16	21.92	21.97	21.84	22.50
		HIGH	Q16	21.87	21.88	21.66	22.50
	25	LOW	Q16	21.86	21.88	21.75	22.50
5	1	LOW	64QAM	21.80	22.11	21.59	22.50
		MID	64QAM	22.06	**22.48**	21.73	22.50
		HIGH	64QAM	21.81	22.36	21.69	22.50
	12	LOW	64QAM	20.73	20.84	20.90	21.50
		MID	64QAM	20.75	21.03	20.66	21.50
		HIGH	64QAM	20.69	20.92	20.74	21.50
	25	LOW	64QAM	20.77	20.72	20.56	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23060	23095	23130	Tune-up power(dBm)
10	1	LOW	QPSK	23.76	23.69	23.70	24.50
		MID	QPSK	23.73	23.79	**23.80**	24.50
		HIGH	QPSK	23.71	23.77	23.78	24.50
	25	LOW	QPSK	22.76	22.72	22.69	23.50
		MID	QPSK	22.72	22.82	22.88	23.50
		HIGH	QPSK	22.87	22.69	22.63	23.50
	50	LOW	QPSK	22.88	22.73	22.73	23.50
10	1	LOW	Q16	22.66	23.12	22.82	23.50
		MID	Q16	22.74	**23.21**	22.75	23.50
		HIGH	Q16	22.70	23.10	22.73	23.50
	25	LOW	Q16	21.81	21.78	21.86	22.50
		MID	Q16	21.92	21.93	21.90	22.50
		HIGH	Q16	21.98	21.79	21.74	22.50
	50	LOW	Q16	21.85	21.77	21.76	22.50
10	1	LOW	64QAM	21.51	**22.19**	21.76	22.50
		MID	64QAM	21.74	22.08	21.88	22.50
		HIGH	64QAM	21.87	22.16	21.77	22.50
	25	LOW	64QAM	20.87	20.87	20.87	21.50
		MID	64QAM	20.80	20.82	21.01	21.50
		HIGH	64QAM	21.17	20.95	20.66	21.50
	50	LOW	64QAM	20.93	20.81	20.74	21.50

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Bandwidth (MHz)	RB Size	RB offest	Modulation	23017	23095	23173	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.51	23.48	23.46	24.50
		MID	QPSK	23.61	23.57	23.57	24.50
		HIGH	QPSK	23.57	23.55	23.53	24.50
	3	LOW	QPSK	23.63	23.62	23.60	24.50
		MID	QPSK	**23.69**	23.68	23.63	24.50
		HIGH	QPSK	23.64	23.64	23.61	24.50
	6	LOW	QPSK	22.71	22.76	22.66	23.50
1.4	1	LOW	Q16	22.64	22.95	22.45	23.50
		MID	Q16	22.72	**22.96**	22.53	23.50
		HIGH	Q16	22.66	22.94	22.45	23.50
	3	LOW	Q16	22.70	22.87	22.73	23.50
		MID	Q16	22.74	22.87	22.79	23.50
		HIGH	Q16	22.71	22.85	22.77	23.50
	6	LOW	Q16	21.89	21.70	21.85	22.50
1.4	1	LOW	64QAM	21.54	21.77	21.43	22.50
		MID	64QAM	21.36	21.62	21.18	22.50
		HIGH	64QAM	21.54	**21.92**	21.28	22.50
	3	LOW	64QAM	21.38	21.64	21.52	22.50
		MID	64QAM	21.69	21.59	21.72	22.50
		HIGH	64QAM	21.56	21.53	21.63	22.50
	6	LOW	64QAM	20.59	20.31	20.64	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23025	23095	23165	Tune-up power(dBm)
3	1	LOW	QPSK	23.38	23.44	23.41	24.50
		MID	QPSK	**23.52**	23.51	23.49	24.50
		HIGH	QPSK	23.44	23.43	23.41	24.50
	8	LOW	QPSK	22.74	22.70	22.62	23.50
		MID	QPSK	22.76	22.71	22.66	23.50
		HIGH	QPSK	22.67	22.69	22.58	23.50
	15	LOW	QPSK	22.70	22.68	22.60	23.50
3	1	LOW	Q16	22.35	22.87	22.39	23.50
		MID	Q16	22.48	**23.01**	22.45	23.50
		HIGH	Q16	22.37	22.83	22.36	23.50
	8	LOW	Q16	21.83	21.82	21.71	22.50
		MID	Q16	21.85	21.84	21.68	22.50
		HIGH	Q16	21.75	21.73	21.66	22.50
	15	LOW	Q16	21.70	21.67	21.51	22.50
3	1	LOW	64QAM	21.25	21.94	21.51	22.50
		MID	64QAM	21.34	**22.09**	21.34	22.50
		HIGH	64QAM	21.31	21.66	21.42	22.50
	8	LOW	64QAM	20.74	20.91	20.84	21.50
		MID	64QAM	21.02	20.96	20.59	21.50
		HIGH	64QAM	20.66	20.80	20.80	21.50
	15	LOW	64QAM	20.63	20.75	20.44	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23035	23095	23155	Tune-up power(dBm)
5	1	LOW	QPSK	23.66	23.69	23.58	24.50
		MID	QPSK	**23.83**	23.79	23.75	24.50
		HIGH	QPSK	23.66	23.69	23.64	24.50
	12	LOW	QPSK	22.77	22.71	22.77	23.50
		MID	QPSK	22.83	22.83	22.77	23.50
		HIGH	QPSK	22.74	22.73	22.68	23.50
	25	LOW	QPSK	22.74	22.74	22.70	23.50
5	1	LOW	Q16	22.84	23.23	22.71	23.50
		MID	Q16	22.97	**23.33**	22.83	23.50
		HIGH	Q16	22.91	23.17	22.74	23.50
	12	LOW	Q16	21.85	21.86	21.79	22.50
		MID	Q16	21.92	21.97	21.84	22.50
		HIGH	Q16	21.87	21.88	21.66	22.50
	25	LOW	Q16	21.86	21.88	21.75	22.50
5	1	LOW	64QAM	21.80	22.11	21.59	22.50
		MID	64QAM	22.06	**22.48**	21.73	22.50
		HIGH	64QAM	21.81	22.36	21.69	22.50
	12	LOW	64QAM	20.73	20.84	20.90	21.50
		MID	64QAM	20.75	21.03	20.66	21.50
		HIGH	64QAM	20.69	20.92	20.74	21.50
	25	LOW	64QAM	20.77	20.72	20.56	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23060	23095	23130	Tune-up power(dBm)
10	1	LOW	QPSK	23.76	23.69	23.70	24.50
		MID	QPSK	23.73	23.79	**23.80**	24.50
		HIGH	QPSK	23.71	23.77	23.78	24.50
	25	LOW	QPSK	22.76	22.72	22.69	23.50
		MID	QPSK	22.72	22.82	22.88	23.50
		HIGH	QPSK	22.87	22.69	22.63	23.50
	50	LOW	QPSK	22.88	22.73	22.73	23.50
10	1	LOW	Q16	22.66	23.12	22.82	23.50
		MID	Q16	22.74	**23.21**	22.75	23.50
		HIGH	Q16	22.70	23.10	22.73	23.50
	25	LOW	Q16	21.81	21.78	21.86	22.50
		MID	Q16	21.92	21.93	21.90	22.50
		HIGH	Q16	21.98	21.79	21.74	22.50
	50	LOW	Q16	21.85	21.77	21.76	22.50
10	1	LOW	64QAM	21.51	**22.19**	21.76	22.50
		MID	64QAM	21.74	22.08	21.88	22.50
		HIGH	64QAM	21.87	22.16	21.77	22.50
	25	LOW	64QAM	20.87	20.87	20.87	21.50
		MID	64QAM	20.80	20.82	21.01	21.50
		HIGH	64QAM	21.17	20.95	20.66	21.50
	50	LOW	64QAM	20.93	20.81	20.74	21.50

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Bandwidth (MHz)	RB Size	RB offest	Modulation	23017	23095	23173	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.51	23.48	23.46	24.50
		MID	QPSK	23.61	23.57	23.57	24.50
		HIGH	QPSK	23.57	23.55	23.53	24.50
	3	LOW	QPSK	23.63	23.62	23.60	24.50
		MID	QPSK	**23.69**	23.68	23.63	24.50
		HIGH	QPSK	23.64	23.64	23.61	24.50
	6	LOW	QPSK	22.71	22.76	22.66	23.50
1.4	1	LOW	Q16	22.64	22.95	22.45	23.50
		MID	Q16	22.72	**22.96**	22.53	23.50
		HIGH	Q16	22.66	22.94	22.45	23.50
	3	LOW	Q16	22.70	22.87	22.73	23.50
		MID	Q16	22.74	22.87	22.79	23.50
		HIGH	Q16	22.71	22.85	22.77	23.50
	6	LOW	Q16	21.89	21.70	21.85	22.50
1.4	1	LOW	64QAM	21.54	21.77	21.43	22.50
		MID	64QAM	21.36	21.62	21.18	22.50
		HIGH	64QAM	21.54	**21.92**	21.28	22.50
	3	LOW	64QAM	21.38	21.64	21.52	22.50
		MID	64QAM	21.69	21.59	21.72	22.50
		HIGH	64QAM	21.56	21.53	21.63	22.50
	6	LOW	64QAM	20.59	20.31	20.64	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23025	23095	23165	Tune-up power(dBm)
3	1	LOW	QPSK	23.38	23.44	23.41	24.50
		MID	QPSK	**23.52**	23.51	23.49	24.50
		HIGH	QPSK	23.44	23.43	23.41	24.50
	8	LOW	QPSK	22.74	22.70	22.62	23.50
		MID	QPSK	22.76	22.71	22.66	23.50
		HIGH	QPSK	22.67	22.69	22.58	23.50
	15	LOW	QPSK	22.70	22.68	22.60	23.50
3	1	LOW	Q16	22.35	22.87	22.39	23.50
		MID	Q16	22.48	**23.01**	22.45	23.50
		HIGH	Q16	22.37	22.83	22.36	23.50
	8	LOW	Q16	21.83	21.82	21.71	22.50
		MID	Q16	21.85	21.84	21.68	22.50
		HIGH	Q16	21.75	21.73	21.66	22.50
	15	LOW	Q16	21.70	21.67	21.51	22.50
3	1	LOW	64QAM	21.25	21.94	21.51	22.50
		MID	64QAM	21.34	**22.09**	21.34	22.50
		HIGH	64QAM	21.31	21.66	21.42	22.50
	8	LOW	64QAM	20.74	20.91	20.84	21.50
		MID	64QAM	21.02	20.96	20.59	21.50
		HIGH	64QAM	20.66	20.80	20.80	21.50
	15	LOW	64QAM	20.63	20.75	20.44	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23035	23095	23155	Tune-up power(dBm)
5	1	LOW	QPSK	23.66	23.69	23.58	24.50
		MID	QPSK	**23.83**	23.79	23.75	24.50
		HIGH	QPSK	23.66	23.69	23.64	24.50
	12	LOW	QPSK	22.77	22.71	22.77	23.50
		MID	QPSK	22.83	22.83	22.77	23.50
		HIGH	QPSK	22.74	22.73	22.68	23.50
	25	LOW	QPSK	22.74	22.74	22.70	23.50
5	1	LOW	Q16	22.84	23.23	22.71	23.50
		MID	Q16	22.97	**23.33**	22.83	23.50
		HIGH	Q16	22.91	23.17	22.74	23.50
	12	LOW	Q16	21.85	21.86	21.79	22.50
		MID	Q16	21.92	21.97	21.84	22.50
		HIGH	Q16	21.87	21.88	21.66	22.50
	25	LOW	Q16	21.86	21.88	21.75	22.50
5	1	LOW	64QAM	21.80	22.11	21.59	22.50
		MID	64QAM	22.06	**22.48**	21.73	22.50
		HIGH	64QAM	21.81	22.36	21.69	22.50
	12	LOW	64QAM	20.73	20.84	20.90	21.50
		MID	64QAM	20.75	21.03	20.66	21.50
		HIGH	64QAM	20.69	20.92	20.74	21.50
	25	LOW	64QAM	20.77	20.72	20.56	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23060	23095	23130	Tune-up power(dBm)
10	1	LOW	QPSK	23.76	23.69	23.70	24.50
		MID	QPSK	23.73	23.79	**23.80**	24.50
		HIGH	QPSK	23.71	23.77	23.78	24.50
	25	LOW	QPSK	22.76	22.72	22.69	23.50
		MID	QPSK	22.72	22.82	22.88	23.50
		HIGH	QPSK	22.87	22.69	22.63	23.50
	50	LOW	QPSK	22.88	22.73	22.73	23.50
10	1	LOW	Q16	22.66	23.12	22.82	23.50
		MID	Q16	22.74	**23.21**	22.75	23.50
		HIGH	Q16	22.70	23.10	22.73	23.50
	25	LOW	Q16	21.81	21.78	21.86	22.50
		MID	Q16	21.92	21.93	21.90	22.50
		HIGH	Q16	21.98	21.79	21.74	22.50
	50	LOW	Q16	21.85	21.77	21.76	22.50
10	1	LOW	64QAM	21.51	**22.19**	21.76	22.50
		MID	64QAM	21.74	22.08	21.88	22.50
		HIGH	64QAM	21.87	22.16	21.77	22.50
	25	LOW	64QAM	20.87	20.87	20.87	21.50
		MID	64QAM	20.80	20.82	21.01	21.50
		HIGH	64QAM	21.17	20.95	20.66	21.50
	50	LOW	64QAM	20.93	20.81	20.74	21.50

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Bandwidth (MHz)	RB Size	RB offest	Modulation	23017	23095	23173	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.37	23.30	23.27	24.50
		MID	QPSK	23.40	23.40	23.38	24.50
		HIGH	QPSK	23.36	23.34	23.35	24.50
	3	LOW	QPSK	23.46	23.45	23.36	24.50
		MID	QPSK	23.47	**23.49**	23.43	24.50
		HIGH	QPSK	23.47	23.48	23.40	24.50
	6	LOW	QPSK	22.55	22.57	22.45	23.50
1.4	1	LOW	Q16	22.44	22.75	22.24	23.50
		MID	Q16	22.52	**22.78**	22.29	23.50
		HIGH	Q16	22.43	22.72	22.26	23.50
	3	LOW	Q16	22.52	22.67	22.53	23.50
		MID	Q16	22.53	22.68	22.57	23.50
		HIGH	Q16	22.53	22.66	22.55	23.50
	6	LOW	Q16	21.68	21.48	21.62	22.50
1.4	1	LOW	64QAM	21.28	21.53	21.09	22.50
		MID	64QAM	21.37	21.60	21.08	22.50
		HIGH	64QAM	21.08	21.45	21.22	22.50
	3	LOW	64QAM	21.29	21.51	21.39	22.50
		MID	64QAM	21.41	**21.66**	21.29	22.50
		HIGH	64QAM	21.37	21.53	21.43	22.50
	6	LOW	64QAM	20.44	20.14	20.56	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23025	23095	23165	Tune-up power(dBm)
3	1	LOW	QPSK	23.21	23.21	23.18	24.50
		MID	QPSK	**23.32**	23.30	23.29	24.50
		HIGH	QPSK	23.24	23.21	23.26	24.50
	8	LOW	QPSK	22.54	22.52	22.45	23.50
		MID	QPSK	22.56	22.52	22.44	23.50
		HIGH	QPSK	22.44	22.49	22.44	23.50
	15	LOW	QPSK	22.45	22.44	22.40	23.50
3	1	LOW	Q16	22.15	22.67	22.21	23.50
		MID	Q16	22.33	**22.73**	22.24	23.50
		HIGH	Q16	22.17	22.60	22.17	23.50
	8	LOW	Q16	21.62	21.66	21.46	22.50
		MID	Q16	21.64	21.65	21.47	22.50
		HIGH	Q16	21.60	21.54	21.45	22.50
	15	LOW	Q16	21.54	21.47	21.35	22.50
3	1	LOW	64QAM	21.24	21.53	21.27	22.50
		MID	64QAM	21.15	**21.88**	21.39	22.50
		HIGH	64QAM	21.09	21.42	21.35	22.50
	8	LOW	64QAM	20.65	20.48	20.44	21.50
		MID	64QAM	20.45	20.58	20.48	21.50
		HIGH	64QAM	20.42	20.39	20.43	21.50
	15	LOW	64QAM	20.55	20.44	20.47	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23035	23095	23155	Tune-up power(dBm)
5	1	LOW	QPSK	23.46	23.45	23.43	24.50
		MID	QPSK	**23.63**	23.62	23.56	24.50
		HIGH	QPSK	23.46	23.48	23.50	24.50
	12	LOW	QPSK	22.52	22.50	22.53	23.50
		MID	QPSK	22.64	22.61	22.59	23.50
		HIGH	QPSK	22.61	22.51	22.52	23.50
	25	LOW	QPSK	22.62	22.51	22.56	23.50
5	1	LOW	Q16	22.62	23.01	22.51	23.50
		MID	Q16	22.75	**23.12**	22.60	23.50
		HIGH	Q16	22.64	22.99	22.51	23.50
	12	LOW	Q16	21.64	21.70	21.63	22.50
		MID	Q16	21.72	21.75	21.64	22.50
		HIGH	Q16	21.70	21.67	21.56	22.50
	25	LOW	Q16	21.69	21.71	21.52	22.50
5	1	LOW	64QAM	21.81	22.01	21.47	22.50
		MID	64QAM	21.88	**22.17**	21.41	22.50
		HIGH	64QAM	21.54	21.98	21.42	22.50
	12	LOW	64QAM	20.47	20.87	20.54	21.50
		MID	64QAM	20.58	20.91	20.55	21.50
		HIGH	64QAM	20.59	20.76	20.50	21.50
	25	LOW	64QAM	20.86	20.77	20.52	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23060	23095	23130	Tune-up power(dBm)
10	1	LOW	QPSK	23.55	23.48	23.40	24.50
		MID	QPSK	**23.57**	23.56	23.49	24.50
		HIGH	QPSK	23.54	23.53	23.48	24.50
	25	LOW	QPSK	22.58	22.41	22.48	23.50
		MID	QPSK	22.72	22.57	22.51	23.50
		HIGH	QPSK	22.64	22.41	22.32	23.50
	50	LOW	QPSK	22.70	22.48	22.47	23.50
10	1	LOW	Q16	22.43	22.86	22.47	23.50
		MID	Q16	22.52	**22.94**	22.43	23.50
		HIGH	Q16	22.56	22.83	22.36	23.50
	25	LOW	Q16	21.61	21.50	21.50	22.50
		MID	Q16	21.72	21.62	21.56	22.50
		HIGH	Q16	21.79	21.42	21.41	22.50
	50	LOW	Q16	21.62	21.45	21.45	22.50
10	1	LOW	64QAM	21.60	21.73	21.33	22.50
		MID	64QAM	21.39	**22.04**	21.57	22.50
		HIGH	64QAM	21.48	21.65	21.51	22.50
	25	LOW	64QAM	20.63	20.46	20.62	21.50
		MID	64QAM	20.69	20.76	20.60	21.50
		HIGH	64QAM	20.82	20.46	20.50	21.50
	50	LOW	64QAM	20.75	20.58	20.58	21.50

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Bandwidth (MHz)	RB Size	RB offest	Modulation	23017	23095	23173	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.37	23.30	23.27	24.50
		MID	QPSK	23.40	23.40	23.38	24.50
		HIGH	QPSK	23.36	23.34	23.35	24.50
	3	LOW	QPSK	23.46	23.45	23.36	24.50
		MID	QPSK	23.47	**23.49**	23.43	24.50
		HIGH	QPSK	23.47	23.48	23.40	24.50
	6	LOW	QPSK	22.55	22.57	22.45	23.50
1.4	1	LOW	Q16	22.44	22.75	22.24	23.50
		MID	Q16	22.52	**22.78**	22.29	23.50
		HIGH	Q16	22.43	22.72	22.26	23.50
	3	LOW	Q16	22.52	22.67	22.53	23.50
		MID	Q16	22.53	22.68	22.57	23.50
		HIGH	Q16	22.53	22.66	22.55	23.50
	6	LOW	Q16	21.68	21.48	21.62	22.50
1.4	1	LOW	64QAM	21.28	21.53	21.09	22.50
		MID	64QAM	21.37	21.60	21.08	22.50
		HIGH	64QAM	21.08	21.45	21.22	22.50
	3	LOW	64QAM	21.29	21.51	21.39	22.50
		MID	64QAM	21.41	**21.66**	21.29	22.50
		HIGH	64QAM	21.37	21.53	21.43	22.50
	6	LOW	64QAM	20.44	20.14	20.56	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23025	23095	23165	Tune-up power(dBm)
3	1	LOW	QPSK	23.21	23.21	23.18	24.50
		MID	QPSK	**23.32**	23.30	23.29	24.50
		HIGH	QPSK	23.24	23.21	23.26	24.50
	8	LOW	QPSK	22.54	22.52	22.45	23.50
		MID	QPSK	22.56	22.52	22.44	23.50
		HIGH	QPSK	22.44	22.49	22.44	23.50
	15	LOW	QPSK	22.45	22.44	22.40	23.50
3	1	LOW	Q16	22.15	22.67	22.21	23.50
		MID	Q16	22.33	**22.73**	22.24	23.50
		HIGH	Q16	22.17	22.60	22.17	23.50
	8	LOW	Q16	21.62	21.66	21.46	22.50
		MID	Q16	21.64	21.65	21.47	22.50
		HIGH	Q16	21.60	21.54	21.45	22.50
	15	LOW	Q16	21.54	21.47	21.35	22.50
3	1	LOW	64QAM	21.24	21.53	21.27	22.50
		MID	64QAM	21.15	**21.88**	21.39	22.50
		HIGH	64QAM	21.09	21.42	21.35	22.50
	8	LOW	64QAM	20.65	20.48	20.44	21.50
		MID	64QAM	20.45	20.58	20.48	21.50
		HIGH	64QAM	20.42	20.39	20.43	21.50
	15	LOW	64QAM	20.55	20.44	20.47	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23035	23095	23155	Tune-up power(dBm)
5	1	LOW	QPSK	23.46	23.45	23.43	24.50
		MID	QPSK	**23.63**	23.62	23.56	24.50
		HIGH	QPSK	23.46	23.48	23.50	24.50
	12	LOW	QPSK	22.52	22.50	22.53	23.50
		MID	QPSK	22.64	22.61	22.59	23.50
		HIGH	QPSK	22.61	22.51	22.52	23.50
	25	LOW	QPSK	22.62	22.51	22.56	23.50
5	1	LOW	Q16	22.62	23.01	22.51	23.50
		MID	Q16	22.75	**23.12**	22.60	23.50
		HIGH	Q16	22.64	22.99	22.51	23.50
	12	LOW	Q16	21.64	21.70	21.63	22.50
		MID	Q16	21.72	21.75	21.64	22.50
		HIGH	Q16	21.70	21.67	21.56	22.50
	25	LOW	Q16	21.69	21.71	21.52	22.50
5	1	LOW	64QAM	21.81	22.01	21.47	22.50
		MID	64QAM	21.88	**22.17**	21.41	22.50
		HIGH	64QAM	21.54	21.98	21.42	22.50
	12	LOW	64QAM	20.47	20.87	20.54	21.50
		MID	64QAM	20.58	20.91	20.55	21.50
		HIGH	64QAM	20.59	20.76	20.50	21.50
	25	LOW	64QAM	20.86	20.77	20.52	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23060	23095	23130	Tune-up power(dBm)
10	1	LOW	QPSK	23.55	23.48	23.40	24.50
		MID	QPSK	**23.57**	23.56	23.49	24.50
		HIGH	QPSK	23.54	23.53	23.48	24.50
	25	LOW	QPSK	22.58	22.41	22.48	23.50
		MID	QPSK	22.72	22.57	22.51	23.50
		HIGH	QPSK	22.64	22.41	22.32	23.50
	50	LOW	QPSK	22.70	22.48	22.47	23.50
10	1	LOW	Q16	22.43	22.86	22.47	23.50
		MID	Q16	22.52	**22.94**	22.43	23.50
		HIGH	Q16	22.56	22.83	22.36	23.50
	25	LOW	Q16	21.61	21.50	21.50	22.50
		MID	Q16	21.72	21.62	21.56	22.50
		HIGH	Q16	21.79	21.42	21.41	22.50
	50	LOW	Q16	21.62	21.45	21.45	22.50
10	1	LOW	64QAM	21.60	21.73	21.33	22.50
		MID	64QAM	21.39	**22.04**	21.57	22.50
		HIGH	64QAM	21.48	21.65	21.51	22.50
	25	LOW	64QAM	20.63	20.46	20.62	21.50
		MID	64QAM	20.69	20.76	20.60	21.50
		HIGH	64QAM	20.82	20.46	20.50	21.50
	50	LOW	64QAM	20.75	20.58	20.58	21.50

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Bandwidth (MHz)	RB Size	RB offest	Modulation	23017	23095	23173	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.37	23.30	23.27	24.50
		MID	QPSK	23.40	23.40	23.38	24.50
		HIGH	QPSK	23.36	23.34	23.35	24.50
	3	LOW	QPSK	23.46	23.45	23.36	24.50
		MID	QPSK	23.47	**23.49**	23.43	24.50
		HIGH	QPSK	23.47	23.48	23.40	24.50
	6	LOW	QPSK	22.55	22.57	22.45	23.50
1.4	1	LOW	Q16	22.44	22.75	22.24	23.50
		MID	Q16	22.52	**22.78**	22.29	23.50
		HIGH	Q16	22.43	22.72	22.26	23.50
	3	LOW	Q16	22.52	22.67	22.53	23.50
		MID	Q16	22.53	22.68	22.57	23.50
		HIGH	Q16	22.53	22.66	22.55	23.50
	6	LOW	Q16	21.68	21.48	21.62	22.50
1.4	1	LOW	64QAM	21.28	21.53	21.09	22.50
		MID	64QAM	21.37	21.60	21.08	22.50
		HIGH	64QAM	21.08	21.45	21.22	22.50
	3	LOW	64QAM	21.29	21.51	21.39	22.50
		MID	64QAM	21.41	**21.66**	21.29	22.50
		HIGH	64QAM	21.37	21.53	21.43	22.50
	6	LOW	64QAM	20.44	20.14	20.56	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23025	23095	23165	Tune-up power(dBm)
3	1	LOW	QPSK	23.21	23.21	23.18	24.50
		MID	QPSK	**23.32**	23.30	23.29	24.50
		HIGH	QPSK	23.24	23.21	23.26	24.50
	8	LOW	QPSK	22.54	22.52	22.45	23.50
		MID	QPSK	22.56	22.52	22.44	23.50
		HIGH	QPSK	22.44	22.49	22.44	23.50
	15	LOW	QPSK	22.45	22.44	22.40	23.50
3	1	LOW	Q16	22.15	22.67	22.21	23.50
		MID	Q16	22.33	**22.73**	22.24	23.50
		HIGH	Q16	22.17	22.60	22.17	23.50
	8	LOW	Q16	21.62	21.66	21.46	22.50
		MID	Q16	21.64	21.65	21.47	22.50
		HIGH	Q16	21.60	21.54	21.45	22.50
	15	LOW	Q16	21.54	21.47	21.35	22.50
3	1	LOW	64QAM	21.24	21.53	21.27	22.50
		MID	64QAM	21.15	**21.88**	21.39	22.50
		HIGH	64QAM	21.09	21.42	21.35	22.50
	8	LOW	64QAM	20.65	20.48	20.44	21.50
		MID	64QAM	20.45	20.58	20.48	21.50
		HIGH	64QAM	20.42	20.39	20.43	21.50
	15	LOW	64QAM	20.55	20.44	20.47	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23035	23095	23155	Tune-up power(dBm)
5	1	LOW	QPSK	23.46	23.45	23.43	24.50
		MID	QPSK	**23.63**	23.62	23.56	24.50
		HIGH	QPSK	23.46	23.48	23.50	24.50
	12	LOW	QPSK	22.52	22.50	22.53	23.50
		MID	QPSK	22.64	22.61	22.59	23.50
		HIGH	QPSK	22.61	22.51	22.52	23.50
	25	LOW	QPSK	22.62	22.51	22.56	23.50
5	1	LOW	Q16	22.62	23.01	22.51	23.50
		MID	Q16	22.75	**23.12**	22.60	23.50
		HIGH	Q16	22.64	22.99	22.51	23.50
	12	LOW	Q16	21.64	21.70	21.63	22.50
		MID	Q16	21.72	21.75	21.64	22.50
		HIGH	Q16	21.70	21.67	21.56	22.50
	25	LOW	Q16	21.69	21.71	21.52	22.50
5	1	LOW	64QAM	21.81	22.01	21.47	22.50
		MID	64QAM	21.88	**22.17**	21.41	22.50
		HIGH	64QAM	21.54	21.98	21.42	22.50
	12	LOW	64QAM	20.47	20.87	20.54	21.50
		MID	64QAM	20.58	20.91	20.55	21.50
		HIGH	64QAM	20.59	20.76	20.50	21.50
	25	LOW	64QAM	20.86	20.77	20.52	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23060	23095	23130	Tune-up power(dBm)
10	1	LOW	QPSK	23.55	23.48	23.40	24.50
		MID	QPSK	**23.57**	23.56	23.49	24.50
		HIGH	QPSK	23.54	23.53	23.48	24.50
	25	LOW	QPSK	22.58	22.41	22.48	23.50
		MID	QPSK	22.72	22.57	22.51	23.50
		HIGH	QPSK	22.64	22.41	22.32	23.50
	50	LOW	QPSK	22.70	22.48	22.47	23.50
10	1	LOW	Q16	22.43	22.86	22.47	23.50
		MID	Q16	22.52	**22.94**	22.43	23.50
		HIGH	Q16	22.56	22.83	22.36	23.50
	25	LOW	Q16	21.61	21.50	21.50	22.50
		MID	Q16	21.72	21.62	21.56	22.50
		HIGH	Q16	21.79	21.42	21.41	22.50
	50	LOW	Q16	21.62	21.45	21.45	22.50
10	1	LOW	64QAM	21.60	21.73	21.33	22.50
		MID	64QAM	21.39	**22.04**	21.57	22.50
		HIGH	64QAM	21.48	21.65	21.51	22.50
	25	LOW	64QAM	20.63	20.46	20.62	21.50
		MID	64QAM	20.69	20.76	20.60	21.50
		HIGH	64QAM	20.82	20.46	20.50	21.50
	50	LOW	64QAM	20.75	20.58	20.58	21.50

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Bandwidth (MHz)	RB Size	RB offest	Modulation	23017	23095	23173	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.37	23.30	23.27	24.50
		MID	QPSK	23.40	23.40	23.38	24.50
		HIGH	QPSK	23.36	23.34	23.35	24.50
	3	LOW	QPSK	23.46	23.45	23.36	24.50
		MID	QPSK	23.47	**23.49**	23.43	24.50
		HIGH	QPSK	23.47	23.48	23.40	24.50
	6	LOW	QPSK	22.55	22.57	22.45	23.50
1.4	1	LOW	Q16	22.44	22.75	22.24	23.50
		MID	Q16	22.52	**22.78**	22.29	23.50
		HIGH	Q16	22.43	22.72	22.26	23.50
	3	LOW	Q16	22.52	22.67	22.53	23.50
		MID	Q16	22.53	22.68	22.57	23.50
		HIGH	Q16	22.53	22.66	22.55	23.50
	6	LOW	Q16	21.68	21.48	21.62	22.50
1.4	1	LOW	64QAM	21.28	21.53	21.09	22.50
		MID	64QAM	21.37	21.60	21.08	22.50
		HIGH	64QAM	21.08	21.45	21.22	22.50
	3	LOW	64QAM	21.29	21.51	21.39	22.50
		MID	64QAM	21.41	**21.66**	21.29	22.50
		HIGH	64QAM	21.37	21.53	21.43	22.50
	6	LOW	64QAM	20.44	20.14	20.56	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23025	23095	23165	Tune-up power(dBm)
3	1	LOW	QPSK	23.21	23.21	23.18	24.50
		MID	QPSK	**23.32**	23.30	23.29	24.50
		HIGH	QPSK	23.24	23.21	23.26	24.50
	8	LOW	QPSK	22.54	22.52	22.45	23.50
		MID	QPSK	22.56	22.52	22.44	23.50
		HIGH	QPSK	22.44	22.49	22.44	23.50
	15	LOW	QPSK	22.45	22.44	22.40	23.50
3	1	LOW	Q16	22.15	22.67	22.21	23.50
		MID	Q16	22.33	**22.73**	22.24	23.50
		HIGH	Q16	22.17	22.60	22.17	23.50
	8	LOW	Q16	21.62	21.66	21.46	22.50
		MID	Q16	21.64	21.65	21.47	22.50
		HIGH	Q16	21.60	21.54	21.45	22.50
	15	LOW	Q16	21.54	21.47	21.35	22.50
3	1	LOW	64QAM	21.24	21.53	21.27	22.50
		MID	64QAM	21.15	**21.88**	21.39	22.50
		HIGH	64QAM	21.09	21.42	21.35	22.50
	8	LOW	64QAM	20.65	20.48	20.44	21.50
		MID	64QAM	20.45	20.58	20.48	21.50
		HIGH	64QAM	20.42	20.39	20.43	21.50
	15	LOW	64QAM	20.55	20.44	20.47	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23035	23095	23155	Tune-up power(dBm)
5	1	LOW	QPSK	23.46	23.45	23.43	24.50
		MID	QPSK	**23.63**	23.62	23.56	24.50
		HIGH	QPSK	23.46	23.48	23.50	24.50
	12	LOW	QPSK	22.52	22.50	22.53	23.50
		MID	QPSK	22.64	22.61	22.59	23.50
		HIGH	QPSK	22.61	22.51	22.52	23.50
	25	LOW	QPSK	22.62	22.51	22.56	23.50
5	1	LOW	Q16	22.62	23.01	22.51	23.50
		MID	Q16	22.75	**23.12**	22.60	23.50
		HIGH	Q16	22.64	22.99	22.51	23.50
	12	LOW	Q16	21.64	21.70	21.63	22.50
		MID	Q16	21.72	21.75	21.64	22.50
		HIGH	Q16	21.70	21.67	21.56	22.50
	25	LOW	Q16	21.69	21.71	21.52	22.50
5	1	LOW	64QAM	21.81	22.01	21.47	22.50
		MID	64QAM	21.88	**22.17**	21.41	22.50
		HIGH	64QAM	21.54	21.98	21.42	22.50
	12	LOW	64QAM	20.47	20.87	20.54	21.50
		MID	64QAM	20.58	20.91	20.55	21.50
		HIGH	64QAM	20.59	20.76	20.50	21.50
	25	LOW	64QAM	20.86	20.77	20.52	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23060	23095	23130	Tune-up power(dBm)
10	1	LOW	QPSK	23.55	23.48	23.40	24.50
		MID	QPSK	**23.57**	23.56	23.49	24.50
		HIGH	QPSK	23.54	23.53	23.48	24.50
	25	LOW	QPSK	22.58	22.41	22.48	23.50
		MID	QPSK	22.72	22.57	22.51	23.50
		HIGH	QPSK	22.64	22.41	22.32	23.50
	50	LOW	QPSK	22.70	22.48	22.47	23.50
10	1	LOW	Q16	22.43	22.86	22.47	23.50
		MID	Q16	22.52	**22.94**	22.43	23.50
		HIGH	Q16	22.56	22.83	22.36	23.50
	25	LOW	Q16	21.61	21.50	21.50	22.50
		MID	Q16	21.72	21.62	21.56	22.50
		HIGH	Q16	21.79	21.42	21.41	22.50
	50	LOW	Q16	21.62	21.45	21.45	22.50
10	1	LOW	64QAM	21.60	21.73	21.33	22.50
		MID	64QAM	21.39	**22.04**	21.57	22.50
		HIGH	64QAM	21.48	21.65	21.51	22.50
	25	LOW	64QAM	20.63	20.46	20.62	21.50
		MID	64QAM	20.69	20.76	20.60	21.50
		HIGH	64QAM	20.82	20.46	20.50	21.50
	50	LOW	64QAM	20.75	20.58	20.58	21.50

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Bandwidth (MHz)	RB Size	RB offest	Modulation	23017	23095	23173	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.37	23.30	23.27	24.50
		MID	QPSK	23.40	23.40	23.38	24.50
		HIGH	QPSK	23.36	23.34	23.35	24.50
	3	LOW	QPSK	23.46	23.45	23.36	24.50
		MID	QPSK	23.47	**23.49**	23.43	24.50
		HIGH	QPSK	23.47	23.48	23.40	24.50
	6	LOW	QPSK	22.55	22.57	22.45	23.50
1.4	1	LOW	Q16	22.44	22.75	22.24	23.50
		MID	Q16	22.52	**22.78**	22.29	23.50
		HIGH	Q16	22.43	22.72	22.26	23.50
	3	LOW	Q16	22.52	22.67	22.53	23.50
		MID	Q16	22.53	22.68	22.57	23.50
		HIGH	Q16	22.53	22.66	22.55	23.50
	6	LOW	Q16	21.68	21.48	21.62	22.50
1.4	1	LOW	64QAM	21.28	21.53	21.09	22.50
		MID	64QAM	21.37	21.60	21.08	22.50
		HIGH	64QAM	21.08	21.45	21.22	22.50
	3	LOW	64QAM	21.29	21.51	21.39	22.50
		MID	64QAM	21.41	**21.66**	21.29	22.50
		HIGH	64QAM	21.37	21.53	21.43	22.50
	6	LOW	64QAM	20.44	20.14	20.56	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23025	23095	23165	Tune-up power(dBm)
3	1	LOW	QPSK	23.21	23.21	23.18	24.50
		MID	QPSK	**23.32**	23.30	23.29	24.50
		HIGH	QPSK	23.24	23.21	23.26	24.50
	8	LOW	QPSK	22.54	22.52	22.45	23.50
		MID	QPSK	22.56	22.52	22.44	23.50
		HIGH	QPSK	22.44	22.49	22.44	23.50
	15	LOW	QPSK	22.45	22.44	22.40	23.50
3	1	LOW	Q16	22.15	22.67	22.21	23.50
		MID	Q16	22.33	**22.73**	22.24	23.50
		HIGH	Q16	22.17	22.60	22.17	23.50
	8	LOW	Q16	21.62	21.66	21.46	22.50
		MID	Q16	21.64	21.65	21.47	22.50
		HIGH	Q16	21.60	21.54	21.45	22.50
	15	LOW	Q16	21.54	21.47	21.35	22.50
3	1	LOW	64QAM	21.24	21.53	21.27	22.50
		MID	64QAM	21.15	**21.88**	21.39	22.50
		HIGH	64QAM	21.09	21.42	21.35	22.50
	8	LOW	64QAM	20.65	20.48	20.44	21.50
		MID	64QAM	20.45	20.58	20.48	21.50
		HIGH	64QAM	20.42	20.39	20.43	21.50
	15	LOW	64QAM	20.55	20.44	20.47	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23035	23095	23155	Tune-up power(dBm)
5	1	LOW	QPSK	23.46	23.45	23.43	24.50
		MID	QPSK	**23.63**	23.62	23.56	24.50
		HIGH	QPSK	23.46	23.48	23.50	24.50
	12	LOW	QPSK	22.52	22.50	22.53	23.50
		MID	QPSK	22.64	22.61	22.59	23.50
		HIGH	QPSK	22.61	22.51	22.52	23.50
	25	LOW	QPSK	22.62	22.51	22.56	23.50
5	1	LOW	Q16	22.62	23.01	22.51	23.50
		MID	Q16	22.75	**23.12**	22.60	23.50
		HIGH	Q16	22.64	22.99	22.51	23.50
	12	LOW	Q16	21.64	21.70	21.63	22.50
		MID	Q16	21.72	21.75	21.64	22.50
		HIGH	Q16	21.70	21.67	21.56	22.50
	25	LOW	Q16	21.69	21.71	21.52	22.50
5	1	LOW	64QAM	21.81	22.01	21.47	22.50
		MID	64QAM	21.88	**22.17**	21.41	22.50
		HIGH	64QAM	21.54	21.98	21.42	22.50
	12	LOW	64QAM	20.47	20.87	20.54	21.50
		MID	64QAM	20.58	20.91	20.55	21.50
		HIGH	64QAM	20.59	20.76	20.50	21.50
	25	LOW	64QAM	20.86	20.77	20.52	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23060	23095	23130	Tune-up power(dBm)
10	1	LOW	QPSK	23.55	23.48	23.40	24.50
		MID	QPSK	**23.57**	23.56	23.49	24.50
		HIGH	QPSK	23.54	23.53	23.48	24.50
	25	LOW	QPSK	22.58	22.41	22.48	23.50
		MID	QPSK	22.72	22.57	22.51	23.50
		HIGH	QPSK	22.64	22.41	22.32	23.50
	50	LOW	QPSK	22.70	22.48	22.47	23.50
10	1	LOW	Q16	22.43	22.86	22.47	23.50
		MID	Q16	22.52	**22.94**	22.43	23.50
		HIGH	Q16	22.56	22.83	22.36	23.50
	25	LOW	Q16	21.61	21.50	21.50	22.50
		MID	Q16	21.72	21.62	21.56	22.50
		HIGH	Q16	21.79	21.42	21.41	22.50
	50	LOW	Q16	21.62	21.45	21.45	22.50
10	1	LOW	64QAM	21.60	21.73	21.33	22.50
		MID	64QAM	21.39	**22.04**	21.57	22.50
		HIGH	64QAM	21.48	21.65	21.51	22.50
	25	LOW	64QAM	20.63	20.46	20.62	21.50
		MID	64QAM	20.69	20.76	20.60	21.50
		HIGH	64QAM	20.82	20.46	20.50	21.50
	50	LOW	64QAM	20.75	20.58	20.58	21.50

LTE B17-Full Power -UAT

Bandwidth (MHz)	RB Size	RB offest	Modulation	23755	23790	23825	Tune-up power(dBm)
5	1	LOW	QPSK	23.70	23.64	23.64	24.50
		MID	QPSK	**23.88**	23.83	23.79	24.50
		HIGH	QPSK	23.72	23.69	23.71	24.50
	12	LOW	QPSK	22.74	22.76	22.80	23.50
		MID	QPSK	22.90	22.78	22.77	23.50
		HIGH	QPSK	22.85	22.71	22.67	23.50
	25	LOW	QPSK	22.82	22.73	22.77	23.50
5	1	LOW	Q16	22.91	23.23	22.72	23.50
		MID	Q16	23.05	**23.27**	22.84	23.50
		HIGH	Q16	22.95	23.18	22.77	23.50
	12	LOW	Q16	21.91	21.93	21.87	22.50
		MID	Q16	21.93	21.93	21.81	22.50
		HIGH	Q16	21.92	21.80	21.71	22.50
	25	LOW	Q16	21.94	21.87	21.77	22.50
5	1	LOW	64QAM	21.88	**22.20**	21.63	22.50
		MID	64QAM	21.68	21.97	21.77	22.50
		HIGH	64QAM	21.90	22.12	21.53	22.50
	12	LOW	64QAM	20.90	20.76	20.67	21.50
		MID	64QAM	20.74	20.62	20.61	21.50
		HIGH	64QAM	20.84	20.42	20.56	21.50
	25	LOW	64QAM	20.82	20.80	20.45	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23780	23790	23800	Tune-up power(dBm)
10	1	LOW	QPSK	23.71	23.72	23.73	24.50
		MID	QPSK	23.79	23.80	23.81	24.50
		HIGH	QPSK	23.77	23.76	**23.83**	24.50
	25	LOW	QPSK	22.73	22.71	22.75	23.50
		MID	QPSK	22.81	22.79	22.76	23.50
		HIGH	QPSK	22.60	22.62	22.63	23.50
	50	LOW	QPSK	22.71	22.72	22.77	23.50
10	1	LOW	Q16	22.70	**23.14**	22.84	23.50
		MID	Q16	22.75	23.13	22.71	23.50
		HIGH	Q16	22.67	23.09	22.74	23.50
	25	LOW	Q16	21.80	21.78	21.90	22.50
		MID	Q16	21.88	21.85	21.91	22.50
		HIGH	Q16	21.66	21.70	21.72	22.50
	50	LOW	Q16	21.79	21.73	21.77	22.50
10	1	LOW	64QAM	21.56	**22.33**	21.83	22.50
		MID	64QAM	21.80	22.20	21.54	22.50
		HIGH	64QAM	21.63	21.93	21.89	22.50
	25	LOW	64QAM	20.64	20.69	20.97	21.50
		MID	64QAM	20.94	20.71	20.89	21.50
		HIGH	64QAM	20.47	20.89	20.73	21.50
	50	LOW	64QAM	20.85	20.56	20.71	21.50

LTE B17-Level 1-UAT

Bandwidth (MHz)	RB Size	RB offest	Modulation	23755	23790	23825	Tune-up power(dBm)
5	1	LOW	QPSK	23.70	23.64	23.64	24.50
		MID	QPSK	**23.88**	23.83	23.79	24.50
		HIGH	QPSK	23.72	23.69	23.71	24.50
	12	LOW	QPSK	22.74	22.76	22.80	23.50
		MID	QPSK	22.90	22.78	22.77	23.50
		HIGH	QPSK	22.85	22.71	22.67	23.50
	25	LOW	QPSK	22.82	22.73	22.77	23.50
5	1	LOW	Q16	22.91	23.23	22.72	23.50
		MID	Q16	23.05	**23.27**	22.84	23.50
		HIGH	Q16	22.95	23.18	22.77	23.50
	12	LOW	Q16	21.91	21.93	21.87	22.50
		MID	Q16	21.93	21.93	21.81	22.50
		HIGH	Q16	21.92	21.80	21.71	22.50
	25	LOW	Q16	21.94	21.87	21.77	22.50
5	1	LOW	64QAM	21.88	**22.20**	21.63	22.50
		MID	64QAM	21.68	21.97	21.77	22.50
		HIGH	64QAM	21.90	22.12	21.53	22.50
	12	LOW	64QAM	20.90	20.76	20.67	21.50
		MID	64QAM	20.74	20.62	20.61	21.50
		HIGH	64QAM	20.84	20.42	20.56	21.50
	25	LOW	64QAM	20.82	20.80	20.45	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23780	23790	23800	Tune-up power(dBm)
10	1	LOW	QPSK	23.71	23.72	23.73	24.50
		MID	QPSK	23.79	23.80	23.81	24.50
		HIGH	QPSK	23.77	23.76	**23.83**	24.50
	25	LOW	QPSK	22.73	22.71	22.75	23.50
		MID	QPSK	22.81	22.79	22.76	23.50
		HIGH	QPSK	22.60	22.62	22.63	23.50
	50	LOW	QPSK	22.71	22.72	22.77	23.50
10	1	LOW	Q16	22.70	**23.14**	22.84	23.50
		MID	Q16	22.75	23.13	22.71	23.50
		HIGH	Q16	22.67	23.09	22.74	23.50
	25	LOW	Q16	21.80	21.78	21.90	22.50
		MID	Q16	21.88	21.85	21.91	22.50
		HIGH	Q16	21.66	21.70	21.72	22.50
	50	LOW	Q16	21.79	21.73	21.77	22.50
10	1	LOW	64QAM	21.56	**22.33**	21.83	22.50
		MID	64QAM	21.80	22.20	21.54	22.50
		HIGH	64QAM	21.63	21.93	21.89	22.50
	25	LOW	64QAM	20.64	20.69	20.97	21.50
		MID	64QAM	20.94	20.71	20.89	21.50
		HIGH	64QAM	20.47	20.89	20.73	21.50
	50	LOW	64QAM	20.85	20.56	20.71	21.50

LTE B17-Level 2/3 -UAT

Bandwidth (MHz)	RB Size	RB offest	Modulation	23755	23790	23825	Tune-up power(dBm)
5	1	LOW	QPSK	23.70	23.64	23.64	24.50
		MID	QPSK	**23.88**	23.83	23.79	24.50
		HIGH	QPSK	23.72	23.69	23.71	24.50
	12	LOW	QPSK	22.74	22.76	22.80	23.50
		MID	QPSK	22.90	22.78	22.77	23.50
		HIGH	QPSK	22.85	22.71	22.67	23.50
	25	LOW	QPSK	22.82	22.73	22.77	23.50
5	1	LOW	Q16	22.91	23.23	22.72	23.50
		MID	Q16	23.05	**23.27**	22.84	23.50
		HIGH	Q16	22.95	23.18	22.77	23.50
	12	LOW	Q16	21.91	21.93	21.87	22.50
		MID	Q16	21.93	21.93	21.81	22.50
		HIGH	Q16	21.92	21.80	21.71	22.50
	25	LOW	Q16	21.94	21.87	21.77	22.50
5	1	LOW	64QAM	21.88	**22.20**	21.63	22.50
		MID	64QAM	21.68	21.97	21.77	22.50
		HIGH	64QAM	21.90	22.12	21.53	22.50
	12	LOW	64QAM	20.90	20.76	20.67	21.50
		MID	64QAM	20.74	20.62	20.61	21.50
		HIGH	64QAM	20.84	20.42	20.56	21.50
	25	LOW	64QAM	20.82	20.80	20.45	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23780	23790	23800	Tune-up power(dBm)
10	1	LOW	QPSK	23.71	23.72	23.73	24.50
		MID	QPSK	23.79	23.80	23.81	24.50
		HIGH	QPSK	23.77	23.76	**23.83**	24.50
	25	LOW	QPSK	22.73	22.71	22.75	23.50
		MID	QPSK	22.81	22.79	22.76	23.50
		HIGH	QPSK	22.60	22.62	22.63	23.50
	50	LOW	QPSK	22.71	22.72	22.77	23.50
10	1	LOW	Q16	22.70	**23.14**	22.84	23.50
		MID	Q16	22.75	23.13	22.71	23.50
		HIGH	Q16	22.67	23.09	22.74	23.50
	25	LOW	Q16	21.80	21.78	21.90	22.50
		MID	Q16	21.88	21.85	21.91	22.50
		HIGH	Q16	21.66	21.70	21.72	22.50
	50	LOW	Q16	21.79	21.73	21.77	22.50
10	1	LOW	64QAM	21.56	**22.33**	21.83	22.50
		MID	64QAM	21.80	22.20	21.54	22.50
		HIGH	64QAM	21.63	21.93	21.89	22.50
	25	LOW	64QAM	20.64	20.69	20.97	21.50
		MID	64QAM	20.94	20.71	20.89	21.50
		HIGH	64QAM	20.47	20.89	20.73	21.50
	50	LOW	64QAM	20.85	20.56	20.71	21.50

LTE B17-Level 4 -UAT

Bandwidth (MHz)	RB Size	RB offest	Modulation	23755	23790	23825	Tune-up power(dBm)
5	1	LOW	QPSK	23.70	23.64	23.64	24.50
		MID	QPSK	**23.88**	23.83	23.79	24.50
		HIGH	QPSK	23.72	23.69	23.71	24.50
	12	LOW	QPSK	22.74	22.76	22.80	23.50
		MID	QPSK	22.90	22.78	22.77	23.50
		HIGH	QPSK	22.85	22.71	22.67	23.50
	25	LOW	QPSK	22.82	22.73	22.77	23.50
5	1	LOW	Q16	22.91	23.23	22.72	23.50
		MID	Q16	23.05	**23.27**	22.84	23.50
		HIGH	Q16	22.95	23.18	22.77	23.50
	12	LOW	Q16	21.91	21.93	21.87	22.50
		MID	Q16	21.93	21.93	21.81	22.50
		HIGH	Q16	21.92	21.80	21.71	22.50
	25	LOW	Q16	21.94	21.87	21.77	22.50
5	1	LOW	64QAM	21.88	**22.20**	21.63	22.50
		MID	64QAM	21.68	21.97	21.77	22.50
		HIGH	64QAM	21.90	22.12	21.53	22.50
	12	LOW	64QAM	20.90	20.76	20.67	21.50
		MID	64QAM	20.74	20.62	20.61	21.50
		HIGH	64QAM	20.84	20.42	20.56	21.50
	25	LOW	64QAM	20.82	20.80	20.45	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23780	23790	23800	Tune-up power(dBm)
10	1	LOW	QPSK	23.71	23.72	23.73	24.50
		MID	QPSK	23.79	23.80	23.81	24.50
		HIGH	QPSK	23.77	23.76	**23.83**	24.50
	25	LOW	QPSK	22.73	22.71	22.75	23.50
		MID	QPSK	22.81	22.79	22.76	23.50
		HIGH	QPSK	22.60	22.62	22.63	23.50
	50	LOW	QPSK	22.71	22.72	22.77	23.50
10	1	LOW	Q16	22.70	**23.14**	22.84	23.50
		MID	Q16	22.75	23.13	22.71	23.50
		HIGH	Q16	22.67	23.09	22.74	23.50
	25	LOW	Q16	21.80	21.78	21.90	22.50
		MID	Q16	21.88	21.85	21.91	22.50
		HIGH	Q16	21.66	21.70	21.72	22.50
	50	LOW	Q16	21.79	21.73	21.77	22.50
10	1	LOW	64QAM	21.56	**22.33**	21.83	22.50
		MID	64QAM	21.80	22.20	21.54	22.50
		HIGH	64QAM	21.63	21.93	21.89	22.50
	25	LOW	64QAM	20.64	20.69	20.97	21.50
		MID	64QAM	20.94	20.71	20.89	21.50
		HIGH	64QAM	20.47	20.89	20.73	21.50
	50	LOW	64QAM	20.85	20.56	20.71	21.50

LTE B17-Level 5/6 -UAT

Bandwidth (MHz)	RB Size	RB offest	Modulation	23755	23790	23825	Tune-up power(dBm)
5	1	LOW	QPSK	23.70	23.64	23.64	24.50
		MID	QPSK	**23.88**	23.83	23.79	24.50
		HIGH	QPSK	23.72	23.69	23.71	24.50
	12	LOW	QPSK	22.74	22.76	22.80	23.50
		MID	QPSK	22.90	22.78	22.77	23.50
		HIGH	QPSK	22.85	22.71	22.67	23.50
	25	LOW	QPSK	22.82	22.73	22.77	23.50
5	1	LOW	Q16	22.91	23.23	22.72	23.50
		MID	Q16	23.05	**23.27**	22.84	23.50
		HIGH	Q16	22.95	23.18	22.77	23.50
	12	LOW	Q16	21.91	21.93	21.87	22.50
		MID	Q16	21.93	21.93	21.81	22.50
		HIGH	Q16	21.92	21.80	21.71	22.50
	25	LOW	Q16	21.94	21.87	21.77	22.50
5	1	LOW	64QAM	21.88	**22.20**	21.63	22.50
		MID	64QAM	21.68	21.97	21.77	22.50
		HIGH	64QAM	21.90	22.12	21.53	22.50
	12	LOW	64QAM	20.90	20.76	20.67	21.50
		MID	64QAM	20.74	20.62	20.61	21.50
		HIGH	64QAM	20.84	20.42	20.56	21.50
	25	LOW	64QAM	20.82	20.80	20.45	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23780	23790	23800	Tune-up power(dBm)
10	1	LOW	QPSK	23.71	23.72	23.73	24.50
		MID	QPSK	23.79	23.80	23.81	24.50
		HIGH	QPSK	23.77	23.76	**23.83**	24.50
	25	LOW	QPSK	22.73	22.71	22.75	23.50
		MID	QPSK	22.81	22.79	22.76	23.50
		HIGH	QPSK	22.60	22.62	22.63	23.50
	50	LOW	QPSK	22.71	22.72	22.77	23.50
10	1	LOW	Q16	22.70	**23.14**	22.84	23.50
		MID	Q16	22.75	23.13	22.71	23.50
		HIGH	Q16	22.67	23.09	22.74	23.50
	25	LOW	Q16	21.80	21.78	21.90	22.50
		MID	Q16	21.88	21.85	21.91	22.50
		HIGH	Q16	21.66	21.70	21.72	22.50
	50	LOW	Q16	21.79	21.73	21.77	22.50
10	1	LOW	64QAM	21.56	**22.33**	21.83	22.50
		MID	64QAM	21.80	22.20	21.54	22.50
		HIGH	64QAM	21.63	21.93	21.89	22.50
	25	LOW	64QAM	20.64	20.69	20.97	21.50
		MID	64QAM	20.94	20.71	20.89	21.50
		HIGH	64QAM	20.47	20.89	20.73	21.50
	50	LOW	64QAM	20.85	20.56	20.71	21.50

LTE B17-Full Power -DAT

Bandwidth (MHz)	RB Size	RB offest	Modulation	23755	23790	23825	Tune-up power(dBm)
5	1	LOW	QPSK	23.35	23.24	23.24	24.50
		MID	QPSK	**23.45**	23.42	23.34	24.50
		HIGH	QPSK	23.34	23.30	23.28	24.50
	12	LOW	QPSK	22.32	22.38	22.36	23.50
		MID	QPSK	22.48	22.38	22.36	23.50
		HIGH	QPSK	22.42	22.26	22.27	23.50
	25	LOW	QPSK	22.45	22.29	22.35	23.50
5	1	LOW	Q16	22.52	22.77	22.33	23.50
		MID	Q16	22.64	**22.88**	22.39	23.50
		HIGH	Q16	22.49	22.76	22.37	23.50
	12	LOW	Q16	21.42	21.51	21.39	22.50
		MID	Q16	21.61	21.52	21.41	22.50
		HIGH	Q16	21.52	21.36	21.34	22.50
	25	LOW	Q16	21.53	21.43	21.37	22.50
5	1	LOW	64QAM	21.41	21.67	21.12	22.50
		MID	64QAM	21.49	**21.78**	21.32	22.50
		HIGH	64QAM	21.33	21.67	21.29	22.50
	12	LOW	64QAM	20.35	20.42	20.13	21.50
		MID	64QAM	20.39	20.30	20.28	21.50
		HIGH	64QAM	20.20	20.10	19.97	21.50
	25	LOW	64QAM	20.46	20.15	20.17	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23780	23790	23800	Tune-up power(dBm)
10	1	LOW	QPSK	23.29	23.30	23.28	24.50
		MID	QPSK	23.32	23.34	23.36	24.50
		HIGH	QPSK	23.31	23.30	**23.39**	24.50
	25	LOW	QPSK	22.27	22.23	22.30	23.50
		MID	QPSK	22.35	22.31	22.31	23.50
		HIGH	QPSK	22.18	22.17	22.18	23.50
	50	LOW	QPSK	22.30	22.26	22.32	23.50
10	1	LOW	Q16	22.31	**22.75**	22.36	23.50
		MID	Q16	22.30	22.70	22.31	23.50
		HIGH	Q16	22.23	22.67	22.27	23.50
	25	LOW	Q16	21.34	21.36	21.46	22.50
		MID	Q16	21.46	21.42	21.44	22.50
		HIGH	Q16	21.24	21.24	21.26	22.50
	50	LOW	Q16	21.29	21.31	21.35	22.50
10	1	LOW	64QAM	21.37	21.68	21.21	22.50
		MID	64QAM	21.15	21.77	21.45	22.50
		HIGH	64QAM	21.39	**21.81**	21.21	22.50
	25	LOW	64QAM	20.53	20.37	20.46	21.50
		MID	64QAM	20.60	20.37	20.54	21.50
		HIGH	64QAM	20.11	20.10	20.44	21.50
	50	LOW	64QAM	20.38	20.17	20.27	21.50

LTE B17-Level 1-DAT

Bandwidth (MHz)	RB Size	RB offest	Modulation	23755	23790	23825	Tune-up power(dBm)
5	1	LOW	QPSK	23.35	23.24	23.24	24.50
		MID	QPSK	**23.45**	23.42	23.34	24.50
		HIGH	QPSK	23.34	23.30	23.28	24.50
	12	LOW	QPSK	22.32	22.38	22.36	23.50
		MID	QPSK	22.48	22.38	22.36	23.50
		HIGH	QPSK	22.42	22.26	22.27	23.50
	25	LOW	QPSK	22.45	22.29	22.35	23.50
5	1	LOW	Q16	22.52	22.77	22.33	23.50
		MID	Q16	22.64	**22.88**	22.39	23.50
		HIGH	Q16	22.49	22.76	22.37	23.50
	12	LOW	Q16	21.42	21.51	21.39	22.50
		MID	Q16	21.61	21.52	21.41	22.50
		HIGH	Q16	21.52	21.36	21.34	22.50
	25	LOW	Q16	21.53	21.43	21.37	22.50
5	1	LOW	64QAM	21.41	21.67	21.12	22.50
		MID	64QAM	21.49	**21.78**	21.32	22.50
		HIGH	64QAM	21.33	21.67	21.29	22.50
	12	LOW	64QAM	20.35	20.42	20.13	21.50
		MID	64QAM	20.39	20.30	20.28	21.50
		HIGH	64QAM	20.20	20.10	19.97	21.50
	25	LOW	64QAM	20.46	20.15	20.17	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23780	23790	23800	Tune-up power(dBm)
10	1	LOW	QPSK	23.29	23.30	23.28	24.50
		MID	QPSK	23.32	23.34	23.36	24.50
		HIGH	QPSK	23.31	23.30	**23.39**	24.50
	25	LOW	QPSK	22.27	22.23	22.30	23.50
		MID	QPSK	22.35	22.31	22.31	23.50
		HIGH	QPSK	22.18	22.17	22.18	23.50
	50	LOW	QPSK	22.30	22.26	22.32	23.50
10	1	LOW	Q16	22.31	**22.75**	22.36	23.50
		MID	Q16	22.30	22.70	22.31	23.50
		HIGH	Q16	22.23	22.67	22.27	23.50
	25	LOW	Q16	21.34	21.36	21.46	22.50
		MID	Q16	21.46	21.42	21.44	22.50
		HIGH	Q16	21.24	21.24	21.26	22.50
	50	LOW	Q16	21.29	21.31	21.35	22.50
10	1	LOW	64QAM	21.37	21.68	21.21	22.50
		MID	64QAM	21.15	21.77	21.45	22.50
		HIGH	64QAM	21.39	**21.81**	21.21	22.50
	25	LOW	64QAM	20.53	20.37	20.46	21.50
		MID	64QAM	20.60	20.37	20.54	21.50
		HIGH	64QAM	20.11	20.10	20.44	21.50
	50	LOW	64QAM	20.38	20.17	20.27	21.50

LTE B17-Level 2/3 -DAT

Bandwidth (MHz)	RB Size	RB offest	Modulation	23755	23790	23825	Tune-up power(dBm)
5	1	LOW	QPSK	23.35	23.24	23.24	24.50
		MID	QPSK	**23.45**	23.42	23.34	24.50
		HIGH	QPSK	23.34	23.30	23.28	24.50
	12	LOW	QPSK	22.32	22.38	22.36	23.50
		MID	QPSK	22.48	22.38	22.36	23.50
		HIGH	QPSK	22.42	22.26	22.27	23.50
	25	LOW	QPSK	22.45	22.29	22.35	23.50
5	1	LOW	Q16	22.52	22.77	22.33	23.50
		MID	Q16	22.64	**22.88**	22.39	23.50
		HIGH	Q16	22.49	22.76	22.37	23.50
	12	LOW	Q16	21.42	21.51	21.39	22.50
		MID	Q16	21.61	21.52	21.41	22.50
		HIGH	Q16	21.52	21.36	21.34	22.50
	25	LOW	Q16	21.53	21.43	21.37	22.50
5	1	LOW	64QAM	21.41	21.67	21.12	22.50
		MID	64QAM	21.49	**21.78**	21.32	22.50
		HIGH	64QAM	21.33	21.67	21.29	22.50
	12	LOW	64QAM	20.35	20.42	20.13	21.50
		MID	64QAM	20.39	20.30	20.28	21.50
		HIGH	64QAM	20.20	20.10	19.97	21.50
	25	LOW	64QAM	20.46	20.15	20.17	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23780	23790	23800	Tune-up power(dBm)
10	1	LOW	QPSK	23.29	23.30	23.28	24.50
		MID	QPSK	23.32	23.34	23.36	24.50
		HIGH	QPSK	23.31	23.30	**23.39**	24.50
	25	LOW	QPSK	22.27	22.23	22.30	23.50
		MID	QPSK	22.35	22.31	22.31	23.50
		HIGH	QPSK	22.18	22.17	22.18	23.50
	50	LOW	QPSK	22.30	22.26	22.32	23.50
10	1	LOW	Q16	22.31	**22.75**	22.36	23.50
		MID	Q16	22.30	22.70	22.31	23.50
		HIGH	Q16	22.23	22.67	22.27	23.50
	25	LOW	Q16	21.34	21.36	21.46	22.50
		MID	Q16	21.46	21.42	21.44	22.50
		HIGH	Q16	21.24	21.24	21.26	22.50
	50	LOW	Q16	21.29	21.31	21.35	22.50
10	1	LOW	64QAM	21.37	21.68	21.21	22.50
		MID	64QAM	21.15	21.77	21.45	22.50
		HIGH	64QAM	21.39	**21.81**	21.21	22.50
	25	LOW	64QAM	20.53	20.37	20.46	21.50
		MID	64QAM	20.60	20.37	20.54	21.50
		HIGH	64QAM	20.11	20.10	20.44	21.50
	50	LOW	64QAM	20.38	20.17	20.27	21.50

LTE B17-Level 4 -DAT

Bandwidth (MHz)	RB Size	RB offest	Modulation	23755	23790	23825	Tune-up power(dBm)
5	1	LOW	QPSK	23.35	23.24	23.24	24.50
		MID	QPSK	**23.45**	23.42	23.34	24.50
		HIGH	QPSK	23.34	23.30	23.28	24.50
	12	LOW	QPSK	22.32	22.38	22.36	23.50
		MID	QPSK	22.48	22.38	22.36	23.50
		HIGH	QPSK	22.42	22.26	22.27	23.50
	25	LOW	QPSK	22.45	22.29	22.35	23.50
5	1	LOW	Q16	22.52	22.77	22.33	23.50
		MID	Q16	22.64	**22.88**	22.39	23.50
		HIGH	Q16	22.49	22.76	22.37	23.50
	12	LOW	Q16	21.42	21.51	21.39	22.50
		MID	Q16	21.61	21.52	21.41	22.50
		HIGH	Q16	21.52	21.36	21.34	22.50
	25	LOW	Q16	21.53	21.43	21.37	22.50
5	1	LOW	64QAM	21.41	21.67	21.12	22.50
		MID	64QAM	21.49	**21.78**	21.32	22.50
		HIGH	64QAM	21.33	21.67	21.29	22.50
	12	LOW	64QAM	20.35	20.42	20.13	21.50
		MID	64QAM	20.39	20.30	20.28	21.50
		HIGH	64QAM	20.20	20.10	19.97	21.50
	25	LOW	64QAM	20.46	20.15	20.17	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23780	23790	23800	Tune-up power(dBm)
10	1	LOW	QPSK	23.29	23.30	23.28	24.50
		MID	QPSK	23.32	23.34	23.36	24.50
		HIGH	QPSK	23.31	23.30	**23.39**	24.50
	25	LOW	QPSK	22.27	22.23	22.30	23.50
		MID	QPSK	22.35	22.31	22.31	23.50
		HIGH	QPSK	22.18	22.17	22.18	23.50
	50	LOW	QPSK	22.30	22.26	22.32	23.50
10	1	LOW	Q16	22.31	**22.75**	22.36	23.50
		MID	Q16	22.30	22.70	22.31	23.50
		HIGH	Q16	22.23	22.67	22.27	23.50
	25	LOW	Q16	21.34	21.36	21.46	22.50
		MID	Q16	21.46	21.42	21.44	22.50
		HIGH	Q16	21.24	21.24	21.26	22.50
	50	LOW	Q16	21.29	21.31	21.35	22.50
10	1	LOW	64QAM	21.37	21.68	21.21	22.50
		MID	64QAM	21.15	21.77	21.45	22.50
		HIGH	64QAM	21.39	**21.81**	21.21	22.50
	25	LOW	64QAM	20.53	20.37	20.46	21.50
		MID	64QAM	20.60	20.37	20.54	21.50
		HIGH	64QAM	20.11	20.10	20.44	21.50
	50	LOW	64QAM	20.38	20.17	20.27	21.50

LTE B17-Level 5/6 -DAT

Bandwidth (MHz)	RB Size	RB offest	Modulation	23755	23790	23825	Tune-up power(dBm)
5	1	LOW	QPSK	23.35	23.24	23.24	24.50
		MID	QPSK	**23.45**	23.42	23.34	24.50
		HIGH	QPSK	23.34	23.30	23.28	24.50
	12	LOW	QPSK	22.32	22.38	22.36	23.50
		MID	QPSK	22.48	22.38	22.36	23.50
		HIGH	QPSK	22.42	22.26	22.27	23.50
	25	LOW	QPSK	22.45	22.29	22.35	23.50
5	1	LOW	Q16	22.52	22.77	22.33	23.50
		MID	Q16	22.64	**22.88**	22.39	23.50
		HIGH	Q16	22.49	22.76	22.37	23.50
	12	LOW	Q16	21.42	21.51	21.39	22.50
		MID	Q16	21.61	21.52	21.41	22.50
		HIGH	Q16	21.52	21.36	21.34	22.50
	25	LOW	Q16	21.53	21.43	21.37	22.50
5	1	LOW	64QAM	21.41	21.67	21.12	22.50
		MID	64QAM	21.49	**21.78**	21.32	22.50
		HIGH	64QAM	21.33	21.67	21.29	22.50
	12	LOW	64QAM	20.35	20.42	20.13	21.50
		MID	64QAM	20.39	20.30	20.28	21.50
		HIGH	64QAM	20.20	20.10	19.97	21.50
	25	LOW	64QAM	20.46	20.15	20.17	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	23780	23790	23800	Tune-up power(dBm)
10	1	LOW	QPSK	23.29	23.30	23.28	24.50
		MID	QPSK	23.32	23.34	23.36	24.50
		HIGH	QPSK	23.31	23.30	**23.39**	24.50
	25	LOW	QPSK	22.27	22.23	22.30	23.50
		MID	QPSK	22.35	22.31	22.31	23.50
		HIGH	QPSK	22.18	22.17	22.18	23.50
	50	LOW	QPSK	22.30	22.26	22.32	23.50
10	1	LOW	Q16	22.31	**22.75**	22.36	23.50
		MID	Q16	22.30	22.70	22.31	23.50
		HIGH	Q16	22.23	22.67	22.27	23.50
	25	LOW	Q16	21.34	21.36	21.46	22.50
		MID	Q16	21.46	21.42	21.44	22.50
		HIGH	Q16	21.24	21.24	21.26	22.50
	50	LOW	Q16	21.29	21.31	21.35	22.50
10	1	LOW	64QAM	21.37	21.68	21.21	22.50
		MID	64QAM	21.15	21.77	21.45	22.50
		HIGH	64QAM	21.39	**21.81**	21.21	22.50
	25	LOW	64QAM	20.53	20.37	20.46	21.50
		MID	64QAM	20.60	20.37	20.54	21.50
		HIGH	64QAM	20.11	20.10	20.44	21.50
	50	LOW	64QAM	20.38	20.17	20.27	21.50

LTE B26-Full Power -UAT

Bandwidth (MHz)	RB Size	RB offest	Modulation	26697	26865	27033	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.68	23.64	23.54	24.50
		MID	QPSK	23.73	23.69	23.67	24.50
		HIGH	QPSK	23.67	23.68	23.52	24.50
	3	LOW	QPSK	23.79	23.70	23.74	24.50
		MID	QPSK	**23.82**	23.77	23.73	24.50
		HIGH	QPSK	23.81	23.71	23.71	24.50
	6	LOW	QPSK	22.87	22.77	22.73	23.50
1.4	1	LOW	Q16	22.75	22.97	22.60	23.50
		MID	Q16	22.83	**23.02**	22.68	23.50
		HIGH	Q16	22.77	22.94	22.61	23.50
	3	LOW	Q16	22.79	22.87	22.84	23.50
		MID	Q16	22.82	22.87	22.90	23.50
		HIGH	Q16	22.81	22.87	22.86	23.50
	6	LOW	Q16	21.99	21.72	21.93	22.50
1.4	1	LOW	64QAM	21.55	**21.89**	21.43	22.50
		MID	64QAM	21.72	21.74	21.59	22.50
		HIGH	64QAM	21.65	21.63	21.24	22.50
	3	LOW	64QAM	21.78	21.61	21.50	22.50
		MID	64QAM	21.80	21.49	**21.89**	22.50
		HIGH	64QAM	21.51	21.61	21.74	22.50
	6	LOW	64QAM	20.93	20.68	20.57	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	26705	26865	27025	Tune-up power(dBm)
3	1	LOW	QPSK	23.54	23.48	23.48	24.50
		MID	QPSK	23.60	23.58	**23.63**	24.50
		HIGH	QPSK	23.54	23.52	23.47	24.50
	8	LOW	QPSK	22.80	22.74	22.70	23.50
		MID	QPSK	22.83	22.76	22.76	23.50
		HIGH	QPSK	22.72	22.74	22.63	23.50
	15	LOW	QPSK	22.76	22.71	22.66	23.50
3	1	LOW	Q16	22.43	22.85	22.53	23.50
		MID	Q16	22.53	**22.94**	22.63	23.50
		HIGH	Q16	22.44	22.87	22.49	23.50
	8	LOW	Q16	21.87	21.85	21.77	22.50
		MID	Q16	21.91	21.82	21.81	22.50
		HIGH	Q16	21.85	21.77	21.71	22.50
	15	LOW	Q16	21.79	21.72	21.65	22.50
3	1	LOW	64QAM	21.51	22.03	21.38	22.50
		MID	64QAM	21.59	**22.09**	21.57	22.50
		HIGH	64QAM	21.34	21.75	21.66	22.50
	8	LOW	64QAM	20.87	20.94	20.84	21.50
		MID	64QAM	20.93	20.99	20.92	21.50
		HIGH	64QAM	20.85	20.76	20.56	21.50
	15	LOW	64QAM	20.83	20.88	20.61	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	26715	26865	27015	Tune-up power(dBm)
5	1	LOW	QPSK	23.76	23.73	23.71	24.50
		MID	QPSK	**23.96**	23.83	23.80	24.50
		HIGH	QPSK	23.78	23.77	23.70	24.50
	12	LOW	QPSK	22.75	22.74	22.77	23.50
		MID	QPSK	22.90	22.85	22.84	23.50
		HIGH	QPSK	22.86	22.77	22.75	23.50
	25	LOW	QPSK	22.85	22.79	22.74	23.50
5	1	LOW	Q16	22.90	23.21	22.83	23.50
		MID	Q16	23.02	**23.33**	22.90	23.50
		HIGH	Q16	22.98	23.20	22.85	23.50
	12	LOW	Q16	21.85	21.90	21.84	22.50
		MID	Q16	21.96	21.97	21.90	22.50
		HIGH	Q16	21.93	21.90	21.78	22.50
	25	LOW	Q16	21.90	21.88	21.76	22.50
5	1	LOW	64QAM	21.97	**22.31**	21.68	22.50
		MID	64QAM	22.09	**22.31**	21.79	22.50
		HIGH	64QAM	21.92	22.20	21.69	22.50
	12	LOW	64QAM	20.79	21.01	20.70	21.50
		MID	64QAM	21.01	21.07	21.01	21.50
		HIGH	64QAM	20.99	21.08	20.68	21.50
	25	LOW	64QAM	20.78	20.98	20.92	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	26740	26865	26990	Tune-up power(dBm)
10	1	LOW	QPSK	**23.85**	23.81	23.78	24.50
		MID	QPSK	**23.85**	**23.85**	23.83	24.50
		HIGH	QPSK	23.84	23.83	23.81	24.50
	25	LOW	QPSK	22.71	22.84	22.69	23.50
		MID	QPSK	22.89	22.84	22.80	23.50
		HIGH	QPSK	22.90	22.82	22.66	23.50
	50	LOW	QPSK	22.85	22.83	22.73	23.50
10	1	LOW	Q16	22.72	23.11	22.81	23.50
		MID	Q16	22.84	23.17	22.89	23.50
		HIGH	Q16	22.71	**23.25**	22.89	23.50
	25	LOW	Q16	21.75	21.91	21.85	22.50
		MID	Q16	21.95	21.94	21.92	22.50
		HIGH	Q16	21.97	21.91	21.74	22.50
	50	LOW	Q16	21.81	21.90	21.78	22.50
10	1	LOW	64QAM	21.59	22.16	21.71	22.50
		MID	64QAM	22.03	22.03	22.05	22.50
		HIGH	64QAM	21.58	**22.43**	21.82	22.50
	25	LOW	64QAM	20.64	20.82	20.86	21.50
		MID	64QAM	20.81	20.80	20.86	21.50
		HIGH	64QAM	20.84	20.98	20.68	21.50
	50	LOW	64QAM	20.80	21.04	20.74	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	26765	26865	26965	Tune-up power(dBm)
15	1	LOW	QPSK	23.75	23.78	23.74	24.50
		MID	QPSK	**23.86**	23.83	23.83	24.50
		HIGH	QPSK	23.80	23.68	23.77	24.50
	36	LOW	QPSK	22.66	22.87	22.64	23.50
		MID	QPSK	22.94	22.82	22.74	23.50
		HIGH	QPSK	22.80	22.86	22.71	23.50
	75	LOW	QPSK	22.79	22.91	22.74	23.50
15	1	LOW	Q16	22.66	23.08	23.12	23.50
		MID	Q16	22.78	23.17	**23.25**	23.50
		HIGH	Q16	22.66	23.08	23.12	23.50
	36	LOW	Q16	21.67	21.87	21.64	22.50
		MID	Q16	21.80	21.88	21.79	22.50
		HIGH	Q16	21.79	21.93	21.70	22.50
	75	LOW	Q16	21.74	21.92	21.70	22.50
15	1	LOW	64QAM	21.69	22.21	22.17	22.50
		MID	64QAM	21.60	22.28	**22.42**	22.50
		HIGH	64QAM	21.69	21.97	22.07	22.50
	36	LOW	64QAM	20.55	20.76	20.73	21.50
		MID	64QAM	20.74	20.95	20.65	21.50
		HIGH	64QAM	20.74	20.98	20.64	21.50
	75	LOW	64QAM	20.56	21.00	20.67	21.50

LTE B26-Level 1-UAT

Bandwidth (MHz)	RB Size	RB offest	Modulation	26697	26865	27033	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.68	23.64	23.54	24.50
		MID	QPSK	23.73	23.69	23.67	24.50
		HIGH	QPSK	23.67	23.68	23.52	24.50
	3	LOW	QPSK	23.79	23.70	23.74	24.50
		MID	QPSK	**23.82**	23.77	23.73	24.50
		HIGH	QPSK	23.81	23.71	23.71	24.50
	6	LOW	QPSK	22.87	22.77	22.73	23.50
1.4	1	LOW	Q16	22.75	22.97	22.60	23.50
		MID	Q16	22.83	**23.02**	22.68	23.50
		HIGH	Q16	22.77	22.94	22.61	23.50
	3	LOW	Q16	22.79	22.87	22.84	23.50
		MID	Q16	22.82	22.87	22.90	23.50
		HIGH	Q16	22.81	22.87	22.86	23.50
	6	LOW	Q16	21.99	21.72	21.93	22.50
1.4	1	LOW	64QAM	21.55	**21.89**	21.43	22.50
		MID	64QAM	21.72	21.74	21.59	22.50
		HIGH	64QAM	21.65	21.63	21.24	22.50
	3	LOW	64QAM	21.78	21.61	21.50	22.50
		MID	64QAM	21.80	21.49	**21.89**	22.50
		HIGH	64QAM	21.51	21.61	21.74	22.50
	6	LOW	64QAM	20.93	20.68	20.57	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	26705	26865	27025	Tune-up power(dBm)
3	1	LOW	QPSK	23.54	23.48	23.48	24.50
		MID	QPSK	23.60	23.58	**23.63**	24.50
		HIGH	QPSK	23.54	23.52	23.47	24.50
	8	LOW	QPSK	22.80	22.74	22.70	23.50
		MID	QPSK	22.83	22.76	22.76	23.50
		HIGH	QPSK	22.72	22.74	22.63	23.50
	15	LOW	QPSK	22.76	22.71	22.66	23.50
3	1	LOW	Q16	22.43	22.85	22.53	23.50
		MID	Q16	22.53	**22.94**	22.63	23.50
		HIGH	Q16	22.44	22.87	22.49	23.50
	8	LOW	Q16	21.87	21.85	21.77	22.50
		MID	Q16	21.91	21.82	21.81	22.50
		HIGH	Q16	21.85	21.77	21.71	22.50
	15	LOW	Q16	21.79	21.72	21.65	22.50
3	1	LOW	64QAM	21.51	22.03	21.38	22.50
		MID	64QAM	21.59	**22.09**	21.57	22.50
		HIGH	64QAM	21.34	21.75	21.66	22.50
	8	LOW	64QAM	20.87	20.94	20.84	21.50
		MID	64QAM	20.93	20.99	20.92	21.50
		HIGH	64QAM	20.85	20.76	20.56	21.50
	15	LOW	64QAM	20.83	20.88	20.61	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	26715	26865	27015	Tune-up power(dBm)
5	1	LOW	QPSK	23.76	23.73	23.71	24.50
		MID	QPSK	**23.96**	23.83	23.80	24.50
		HIGH	QPSK	23.78	23.77	23.70	24.50
	12	LOW	QPSK	22.75	22.74	22.77	23.50
		MID	QPSK	22.90	22.85	22.84	23.50
		HIGH	QPSK	22.86	22.77	22.75	23.50
	25	LOW	QPSK	22.85	22.79	22.74	23.50
5	1	LOW	Q16	22.90	23.21	22.83	23.50
		MID	Q16	23.02	**23.33**	22.90	23.50
		HIGH	Q16	22.98	23.20	22.85	23.50
	12	LOW	Q16	21.85	21.90	21.84	22.50
		MID	Q16	21.96	21.97	21.90	22.50
		HIGH	Q16	21.93	21.90	21.78	22.50
	25	LOW	Q16	21.90	21.88	21.76	22.50
5	1	LOW	64QAM	21.97	**22.31**	21.68	22.50
		MID	64QAM	22.09	**22.31**	21.79	22.50
		HIGH	64QAM	21.92	22.20	21.69	22.50
	12	LOW	64QAM	20.79	21.01	20.70	21.50
		MID	64QAM	21.01	21.07	21.01	21.50
		HIGH	64QAM	20.99	21.08	20.68	21.50
	25	LOW	64QAM	20.78	20.98	20.92	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	26740	26865	26990	Tune-up power(dBm)
10	1	LOW	QPSK	**23.85**	23.81	23.78	24.50
		MID	QPSK	**23.85**	**23.85**	23.83	24.50
		HIGH	QPSK	23.84	23.83	23.81	24.50
	25	LOW	QPSK	22.71	22.84	22.69	23.50
		MID	QPSK	22.89	22.84	22.80	23.50
		HIGH	QPSK	22.90	22.82	22.66	23.50
	50	LOW	QPSK	22.85	22.83	22.73	23.50
10	1	LOW	Q16	22.72	23.11	22.81	23.50
		MID	Q16	22.84	23.17	22.89	23.50
		HIGH	Q16	22.71	**23.25**	22.89	23.50
	25	LOW	Q16	21.75	21.91	21.85	22.50
		MID	Q16	21.95	21.94	21.92	22.50
		HIGH	Q16	21.97	21.91	21.74	22.50
	50	LOW	Q16	21.81	21.90	21.78	22.50
10	1	LOW	64QAM	21.59	22.16	21.71	22.50
		MID	64QAM	22.03	22.03	22.05	22.50
		HIGH	64QAM	21.58	**22.43**	21.82	22.50
	25	LOW	64QAM	20.64	20.82	20.86	21.50
		MID	64QAM	20.81	20.80	20.86	21.50
		HIGH	64QAM	20.84	20.98	20.68	21.50
	50	LOW	64QAM	20.80	21.04	20.74	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	26765	26865	26965	Tune-up power(dBm)
15	1	LOW	QPSK	23.75	23.78	23.74	24.50
		MID	QPSK	**23.86**	23.83	23.83	24.50
		HIGH	QPSK	23.80	23.68	23.77	24.50
	36	LOW	QPSK	22.66	22.87	22.64	23.50
		MID	QPSK	22.94	22.82	22.74	23.50
		HIGH	QPSK	22.80	22.86	22.71	23.50
	75	LOW	QPSK	22.79	22.91	22.74	23.50
15	1	LOW	Q16	22.66	23.08	23.12	23.50
		MID	Q16	22.78	23.17	**23.25**	23.50
		HIGH	Q16	22.66	23.08	23.12	23.50
	36	LOW	Q16	21.67	21.87	21.64	22.50
		MID	Q16	21.80	21.88	21.79	22.50
		HIGH	Q16	21.79	21.93	21.70	22.50
	75	LOW	Q16	21.74	21.92	21.70	22.50
15	1	LOW	64QAM	21.69	22.21	22.17	22.50
		MID	64QAM	21.60	22.28	**22.42**	22.50
		HIGH	64QAM	21.69	21.97	22.07	22.50
	36	LOW	64QAM	20.55	20.76	20.73	21.50
		MID	64QAM	20.74	20.95	20.65	21.50
		HIGH	64QAM	20.74	20.98	20.64	21.50
	75	LOW	64QAM	20.56	21.00	20.67	21.50

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Bandwidth (MHz)	RB Size	RB offest	Modulation	26697	26865	27033	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.68	23.64	23.54	24.50
		MID	QPSK	23.73	23.69	23.67	24.50
		HIGH	QPSK	23.67	23.68	23.52	24.50
	3	LOW	QPSK	23.79	23.70	23.74	24.50
		MID	QPSK	**23.82**	23.77	23.73	24.50
		HIGH	QPSK	23.81	23.71	23.71	24.50
	6	LOW	QPSK	22.87	22.77	22.73	23.50
1.4	1	LOW	Q16	22.75	22.97	22.60	23.50
		MID	Q16	22.83	**23.02**	22.68	23.50
		HIGH	Q16	22.77	22.94	22.61	23.50
	3	LOW	Q16	22.79	22.87	22.84	23.50
		MID	Q16	22.82	22.87	22.90	23.50
		HIGH	Q16	22.81	22.87	22.86	23.50
	6	LOW	Q16	21.99	21.72	21.93	22.50
1.4	1	LOW	64QAM	21.55	**21.89**	21.43	22.50
		MID	64QAM	21.72	21.74	21.59	22.50
		HIGH	64QAM	21.65	21.63	21.24	22.50
	3	LOW	64QAM	21.78	21.61	21.50	22.50
		MID	64QAM	21.80	21.49	**21.89**	22.50
		HIGH	64QAM	21.51	21.61	21.74	22.50
	6	LOW	64QAM	20.93	20.68	20.57	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	26705	26865	27025	Tune-up power(dBm)
3	1	LOW	QPSK	23.54	23.48	23.48	24.50
		MID	QPSK	23.60	23.58	**23.63**	24.50
		HIGH	QPSK	23.54	23.52	23.47	24.50
	8	LOW	QPSK	22.80	22.74	22.70	23.50
		MID	QPSK	22.83	22.76	22.76	23.50
		HIGH	QPSK	22.72	22.74	22.63	23.50
	15	LOW	QPSK	22.76	22.71	22.66	23.50
3	1	LOW	Q16	22.43	22.85	22.53	23.50
		MID	Q16	22.53	**22.94**	22.63	23.50
		HIGH	Q16	22.44	22.87	22.49	23.50
	8	LOW	Q16	21.87	21.85	21.77	22.50
		MID	Q16	21.91	21.82	21.81	22.50
		HIGH	Q16	21.85	21.77	21.71	22.50
	15	LOW	Q16	21.79	21.72	21.65	22.50
3	1	LOW	64QAM	21.51	22.03	21.38	22.50
		MID	64QAM	21.59	**22.09**	21.57	22.50
		HIGH	64QAM	21.34	21.75	21.66	22.50
	8	LOW	64QAM	20.87	20.94	20.84	21.50
		MID	64QAM	20.93	20.99	20.92	21.50
		HIGH	64QAM	20.85	20.76	20.56	21.50
	15	LOW	64QAM	20.83	20.88	20.61	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	26715	26865	27015	Tune-up power(dBm)
5	1	LOW	QPSK	23.76	23.73	23.71	24.50
		MID	QPSK	**23.96**	23.83	23.80	24.50
		HIGH	QPSK	23.78	23.77	23.70	24.50
	12	LOW	QPSK	22.75	22.74	22.77	23.50
		MID	QPSK	22.90	22.85	22.84	23.50
		HIGH	QPSK	22.86	22.77	22.75	23.50
	25	LOW	QPSK	22.85	22.79	22.74	23.50
5	1	LOW	Q16	22.90	23.21	22.83	23.50
		MID	Q16	23.02	**23.33**	22.90	23.50
		HIGH	Q16	22.98	23.20	22.85	23.50
	12	LOW	Q16	21.85	21.90	21.84	22.50
		MID	Q16	21.96	21.97	21.90	22.50
		HIGH	Q16	21.93	21.90	21.78	22.50
	25	LOW	Q16	21.90	21.88	21.76	22.50
5	1	LOW	64QAM	21.97	**22.31**	21.68	22.50
		MID	64QAM	22.09	**22.31**	21.79	22.50
		HIGH	64QAM	21.92	22.20	21.69	22.50
	12	LOW	64QAM	20.79	21.01	20.70	21.50
		MID	64QAM	21.01	21.07	21.01	21.50
		HIGH	64QAM	20.99	21.08	20.68	21.50
	25	LOW	64QAM	20.78	20.98	20.92	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	26740	26865	26990	Tune-up power(dBm)
10	1	LOW	QPSK	**23.85**	23.81	23.78	24.50
		MID	QPSK	**23.85**	**23.85**	23.83	24.50
		HIGH	QPSK	23.84	23.83	23.81	24.50
	25	LOW	QPSK	22.71	22.84	22.69	23.50
		MID	QPSK	22.89	22.84	22.80	23.50
		HIGH	QPSK	22.90	22.82	22.66	23.50
	50	LOW	QPSK	22.85	22.83	22.73	23.50
10	1	LOW	Q16	22.72	23.11	22.81	23.50
		MID	Q16	22.84	23.17	22.89	23.50
		HIGH	Q16	22.71	**23.25**	22.89	23.50
	25	LOW	Q16	21.75	21.91	21.85	22.50
		MID	Q16	21.95	21.94	21.92	22.50
		HIGH	Q16	21.97	21.91	21.74	22.50
	50	LOW	Q16	21.81	21.90	21.78	22.50
10	1	LOW	64QAM	21.59	22.16	21.71	22.50
		MID	64QAM	22.03	22.03	22.05	22.50
		HIGH	64QAM	21.58	**22.43**	21.82	22.50
	25	LOW	64QAM	20.64	20.82	20.86	21.50
		MID	64QAM	20.81	20.80	20.86	21.50
		HIGH	64QAM	20.84	20.98	20.68	21.50
	50	LOW	64QAM	20.80	21.04	20.74	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	26765	26865	26965	Tune-up power(dBm)
15	1	LOW	QPSK	23.75	23.78	23.74	24.50
		MID	QPSK	**23.86**	23.83	23.83	24.50
		HIGH	QPSK	23.80	23.68	23.77	24.50
	36	LOW	QPSK	22.66	22.87	22.64	23.50
		MID	QPSK	22.94	22.82	22.74	23.50
		HIGH	QPSK	22.80	22.86	22.71	23.50
	75	LOW	QPSK	22.79	22.91	22.74	23.50
15	1	LOW	Q16	22.66	23.08	23.12	23.50
		MID	Q16	22.78	23.17	**23.25**	23.50
		HIGH	Q16	22.66	23.08	23.12	23.50
	36	LOW	Q16	21.67	21.87	21.64	22.50
		MID	Q16	21.80	21.88	21.79	22.50
		HIGH	Q16	21.79	21.93	21.70	22.50
	75	LOW	Q16	21.74	21.92	21.70	22.50
15	1	LOW	64QAM	21.69	22.21	22.17	22.50
		MID	64QAM	21.60	22.28	**22.42**	22.50
		HIGH	64QAM	21.69	21.97	22.07	22.50
	36	LOW	64QAM	20.55	20.76	20.73	21.50
		MID	64QAM	20.74	20.95	20.65	21.50
		HIGH	64QAM	20.74	20.98	20.64	21.50
	75	LOW	64QAM	20.56	21.00	20.67	21.50

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Bandwidth (MHz)	RB Size	RB offest	Modulation	26697	26865	27033	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.68	23.64	23.54	24.50
		MID	QPSK	23.73	23.69	23.67	24.50
		HIGH	QPSK	23.67	23.68	23.52	24.50
	3	LOW	QPSK	23.79	23.70	23.74	24.50
		MID	QPSK	**23.82**	23.77	23.73	24.50
		HIGH	QPSK	23.81	23.71	23.71	24.50
	6	LOW	QPSK	22.87	22.77	22.73	23.50
1.4	1	LOW	Q16	22.75	22.97	22.60	23.50
		MID	Q16	22.83	**23.02**	22.68	23.50
		HIGH	Q16	22.77	22.94	22.61	23.50
	3	LOW	Q16	22.79	22.87	22.84	23.50
		MID	Q16	22.82	22.87	22.90	23.50
		HIGH	Q16	22.81	22.87	22.86	23.50
	6	LOW	Q16	21.99	21.72	21.93	22.50
1.4	1	LOW	64QAM	21.55	**21.89**	21.43	22.50
		MID	64QAM	21.72	21.74	21.59	22.50
		HIGH	64QAM	21.65	21.63	21.24	22.50
	3	LOW	64QAM	21.78	21.61	21.50	22.50
		MID	64QAM	21.80	21.49	**21.89**	22.50
		HIGH	64QAM	21.51	21.61	21.74	22.50
	6	LOW	64QAM	20.93	20.68	20.57	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	26705	26865	27025	Tune-up power(dBm)
3	1	LOW	QPSK	23.54	23.48	23.48	24.50
		MID	QPSK	23.60	23.58	**23.63**	24.50
		HIGH	QPSK	23.54	23.52	23.47	24.50
	8	LOW	QPSK	22.80	22.74	22.70	23.50
		MID	QPSK	22.83	22.76	22.76	23.50
		HIGH	QPSK	22.72	22.74	22.63	23.50
	15	LOW	QPSK	22.76	22.71	22.66	23.50
3	1	LOW	Q16	22.43	22.85	22.53	23.50
		MID	Q16	22.53	**22.94**	22.63	23.50
		HIGH	Q16	22.44	22.87	22.49	23.50
	8	LOW	Q16	21.87	21.85	21.77	22.50
		MID	Q16	21.91	21.82	21.81	22.50
		HIGH	Q16	21.85	21.77	21.71	22.50
	15	LOW	Q16	21.79	21.72	21.65	22.50
3	1	LOW	64QAM	21.51	22.03	21.38	22.50
		MID	64QAM	21.59	**22.09**	21.57	22.50
		HIGH	64QAM	21.34	21.75	21.66	22.50
	8	LOW	64QAM	20.87	20.94	20.84	21.50
		MID	64QAM	20.93	20.99	20.92	21.50
		HIGH	64QAM	20.85	20.76	20.56	21.50
	15	LOW	64QAM	20.83	20.88	20.61	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	26715	26865	27015	Tune-up power(dBm)
5	1	LOW	QPSK	23.76	23.73	23.71	24.50
		MID	QPSK	**23.96**	23.83	23.80	24.50
		HIGH	QPSK	23.78	23.77	23.70	24.50
	12	LOW	QPSK	22.75	22.74	22.77	23.50
		MID	QPSK	22.90	22.85	22.84	23.50
		HIGH	QPSK	22.86	22.77	22.75	23.50
	25	LOW	QPSK	22.85	22.79	22.74	23.50
5	1	LOW	Q16	22.90	23.21	22.83	23.50
		MID	Q16	23.02	**23.33**	22.90	23.50
		HIGH	Q16	22.98	23.20	22.85	23.50
	12	LOW	Q16	21.85	21.90	21.84	22.50
		MID	Q16	21.96	21.97	21.90	22.50
		HIGH	Q16	21.93	21.90	21.78	22.50
	25	LOW	Q16	21.90	21.88	21.76	22.50
5	1	LOW	64QAM	21.97	**22.31**	21.68	22.50
		MID	64QAM	22.09	**22.31**	21.79	22.50
		HIGH	64QAM	21.92	22.20	21.69	22.50
	12	LOW	64QAM	20.79	21.01	20.70	21.50
		MID	64QAM	21.01	21.07	21.01	21.50
		HIGH	64QAM	20.99	21.08	20.68	21.50
	25	LOW	64QAM	20.78	20.98	20.92	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	26740	26865	26990	Tune-up power(dBm)
10	1	LOW	QPSK	**23.85**	23.81	23.78	24.50
		MID	QPSK	**23.85**	**23.85**	23.83	24.50
		HIGH	QPSK	23.84	23.83	23.81	24.50
	25	LOW	QPSK	22.71	22.84	22.69	23.50
		MID	QPSK	22.89	22.84	22.80	23.50
		HIGH	QPSK	22.90	22.82	22.66	23.50
	50	LOW	QPSK	22.85	22.83	22.73	23.50
10	1	LOW	Q16	22.72	23.11	22.81	23.50
		MID	Q16	22.84	23.17	22.89	23.50
		HIGH	Q16	22.71	**23.25**	22.89	23.50
	25	LOW	Q16	21.75	21.91	21.85	22.50
		MID	Q16	21.95	21.94	21.92	22.50
		HIGH	Q16	21.97	21.91	21.74	22.50
	50	LOW	Q16	21.81	21.90	21.78	22.50
10	1	LOW	64QAM	21.59	22.16	21.71	22.50
		MID	64QAM	22.03	22.03	22.05	22.50
		HIGH	64QAM	21.58	**22.43**	21.82	22.50
	25	LOW	64QAM	20.64	20.82	20.86	21.50
		MID	64QAM	20.81	20.80	20.86	21.50
		HIGH	64QAM	20.84	20.98	20.68	21.50
	50	LOW	64QAM	20.80	21.04	20.74	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	26765	26865	26965	Tune-up power(dBm)
15	1	LOW	QPSK	23.75	23.78	23.74	24.50
		MID	QPSK	**23.86**	23.83	23.83	24.50
		HIGH	QPSK	23.80	23.68	23.77	24.50
	36	LOW	QPSK	22.66	22.87	22.64	23.50
		MID	QPSK	22.94	22.82	22.74	23.50
		HIGH	QPSK	22.80	22.86	22.71	23.50
	75	LOW	QPSK	22.79	22.91	22.74	23.50
15	1	LOW	Q16	22.66	23.08	23.12	23.50
		MID	Q16	22.78	23.17	**23.25**	23.50
		HIGH	Q16	22.66	23.08	23.12	23.50
	36	LOW	Q16	21.67	21.87	21.64	22.50
		MID	Q16	21.80	21.88	21.79	22.50
		HIGH	Q16	21.79	21.93	21.70	22.50
	75	LOW	Q16	21.74	21.92	21.70	22.50
15	1	LOW	64QAM	21.69	22.21	22.17	22.50
		MID	64QAM	21.60	22.28	**22.42**	22.50
		HIGH	64QAM	21.69	21.97	22.07	22.50
	36	LOW	64QAM	20.55	20.76	20.73	21.50
		MID	64QAM	20.74	20.95	20.65	21.50
		HIGH	64QAM	20.74	20.98	20.64	21.50
	75	LOW	64QAM	20.56	21.00	20.67	21.50

LTE B26-Level 5/6 -UAT

Bandwidth (MHz)	RB Size	RB offest	Modulation	26697	26865	27033	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.68	23.64	23.54	24.50
		MID	QPSK	23.73	23.69	23.67	24.50
		HIGH	QPSK	23.67	23.68	23.52	24.50
	3	LOW	QPSK	23.79	23.70	23.74	24.50
		MID	QPSK	**23.82**	23.77	23.73	24.50
		HIGH	QPSK	23.81	23.71	23.71	24.50
	6	LOW	QPSK	22.87	22.77	22.73	23.50
1.4	1	LOW	Q16	22.75	22.97	22.60	23.50
		MID	Q16	22.83	**23.02**	22.68	23.50
		HIGH	Q16	22.77	22.94	22.61	23.50
	3	LOW	Q16	22.79	22.87	22.84	23.50
		MID	Q16	22.82	22.87	22.90	23.50
		HIGH	Q16	22.81	22.87	22.86	23.50
	6	LOW	Q16	21.99	21.72	21.93	22.50
1.4	1	LOW	64QAM	21.55	**21.89**	21.43	22.50
		MID	64QAM	21.72	21.74	21.59	22.50
		HIGH	64QAM	21.65	21.63	21.24	22.50
	3	LOW	64QAM	21.78	21.61	21.50	22.50
		MID	64QAM	21.80	21.49	**21.89**	22.50
		HIGH	64QAM	21.51	21.61	21.74	22.50
	6	LOW	64QAM	20.93	20.68	20.57	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	26705	26865	27025	Tune-up power(dBm)
3	1	LOW	QPSK	23.54	23.48	23.48	24.50
		MID	QPSK	23.60	23.58	**23.63**	24.50
		HIGH	QPSK	23.54	23.52	23.47	24.50
	8	LOW	QPSK	22.80	22.74	22.70	23.50
		MID	QPSK	22.83	22.76	22.76	23.50
		HIGH	QPSK	22.72	22.74	22.63	23.50
	15	LOW	QPSK	22.76	22.71	22.66	23.50
3	1	LOW	Q16	22.43	22.85	22.53	23.50
		MID	Q16	22.53	**22.94**	22.63	23.50
		HIGH	Q16	22.44	22.87	22.49	23.50
	8	LOW	Q16	21.87	21.85	21.77	22.50
		MID	Q16	21.91	21.82	21.81	22.50
		HIGH	Q16	21.85	21.77	21.71	22.50
	15	LOW	Q16	21.79	21.72	21.65	22.50
3	1	LOW	64QAM	21.51	22.03	21.38	22.50
		MID	64QAM	21.59	**22.09**	21.57	22.50
		HIGH	64QAM	21.34	21.75	21.66	22.50
	8	LOW	64QAM	20.87	20.94	20.84	21.50
		MID	64QAM	20.93	20.99	20.92	21.50
		HIGH	64QAM	20.85	20.76	20.56	21.50
	15	LOW	64QAM	20.83	20.88	20.61	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	26715	26865	27015	Tune-up power(dBm)
5	1	LOW	QPSK	23.76	23.73	23.71	24.50
		MID	QPSK	**23.96**	23.83	23.80	24.50
		HIGH	QPSK	23.78	23.77	23.70	24.50
	12	LOW	QPSK	22.75	22.74	22.77	23.50
		MID	QPSK	22.90	22.85	22.84	23.50
		HIGH	QPSK	22.86	22.77	22.75	23.50
	25	LOW	QPSK	22.85	22.79	22.74	23.50
5	1	LOW	Q16	22.90	23.21	22.83	23.50
		MID	Q16	23.02	**23.33**	22.90	23.50
		HIGH	Q16	22.98	23.20	22.85	23.50
	12	LOW	Q16	21.85	21.90	21.84	22.50
		MID	Q16	21.96	21.97	21.90	22.50
		HIGH	Q16	21.93	21.90	21.78	22.50
	25	LOW	Q16	21.90	21.88	21.76	22.50
5	1	LOW	64QAM	21.97	**22.31**	21.68	22.50
		MID	64QAM	22.09	**22.31**	21.79	22.50
		HIGH	64QAM	21.92	22.20	21.69	22.50
	12	LOW	64QAM	20.79	21.01	20.70	21.50
		MID	64QAM	21.01	21.07	21.01	21.50
		HIGH	64QAM	20.99	21.08	20.68	21.50
	25	LOW	64QAM	20.78	20.98	20.92	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	26740	26865	26990	Tune-up power(dBm)
10	1	LOW	QPSK	**23.85**	23.81	23.78	24.50
		MID	QPSK	**23.85**	**23.85**	23.83	24.50
		HIGH	QPSK	23.84	23.83	23.81	24.50
	25	LOW	QPSK	22.71	22.84	22.69	23.50
		MID	QPSK	22.89	22.84	22.80	23.50
		HIGH	QPSK	22.90	22.82	22.66	23.50
	50	LOW	QPSK	22.85	22.83	22.73	23.50
10	1	LOW	Q16	22.72	23.11	22.81	23.50
		MID	Q16	22.84	23.17	22.89	23.50
		HIGH	Q16	22.71	**23.25**	22.89	23.50
	25	LOW	Q16	21.75	21.91	21.85	22.50
		MID	Q16	21.95	21.94	21.92	22.50
		HIGH	Q16	21.97	21.91	21.74	22.50
	50	LOW	Q16	21.81	21.90	21.78	22.50
10	1	LOW	64QAM	21.59	22.16	21.71	22.50
		MID	64QAM	22.03	22.03	22.05	22.50
		HIGH	64QAM	21.58	**22.43**	21.82	22.50
	25	LOW	64QAM	20.64	20.82	20.86	21.50
		MID	64QAM	20.81	20.80	20.86	21.50
		HIGH	64QAM	20.84	20.98	20.68	21.50
	50	LOW	64QAM	20.80	21.04	20.74	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	26765	26865	26965	Tune-up power(dBm)
15	1	LOW	QPSK	23.75	23.78	23.74	24.50
		MID	QPSK	**23.86**	23.83	23.83	24.50
		HIGH	QPSK	23.80	23.68	23.77	24.50
	36	LOW	QPSK	22.66	22.87	22.64	23.50
		MID	QPSK	22.94	22.82	22.74	23.50
		HIGH	QPSK	22.80	22.86	22.71	23.50
	75	LOW	QPSK	22.79	22.91	22.74	23.50
15	1	LOW	Q16	22.66	23.08	23.12	23.50
		MID	Q16	22.78	23.17	**23.25**	23.50
		HIGH	Q16	22.66	23.08	23.12	23.50
	36	LOW	Q16	21.67	21.87	21.64	22.50
		MID	Q16	21.80	21.88	21.79	22.50
		HIGH	Q16	21.79	21.93	21.70	22.50
	75	LOW	Q16	21.74	21.92	21.70	22.50
15	1	LOW	64QAM	21.69	22.21	22.17	22.50
		MID	64QAM	21.60	22.28	**22.42**	22.50
		HIGH	64QAM	21.69	21.97	22.07	22.50
	36	LOW	64QAM	20.55	20.76	20.73	21.50
		MID	64QAM	20.74	20.95	20.65	21.50
		HIGH	64QAM	20.74	20.98	20.64	21.50
	75	LOW	64QAM	20.56	21.00	20.67	21.50

LTE B26-Full Power -DAT

Bandwidth (MHz)	RB Size	RB offest	Modulation	26697	26865	27033	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.51	23.47	23.45	24.50
		MID	QPSK	23.61	23.53	23.56	24.50
		HIGH	QPSK	23.56	23.47	23.40	24.50
	3	LOW	QPSK	23.64	23.57	23.59	24.50
		MID	QPSK	**23.66**	23.60	23.59	24.50
		HIGH	QPSK	23.65	23.57	23.63	24.50
	6	LOW	QPSK	22.69	22.62	22.58	23.50
1.4	1	LOW	Q16	22.60	22.83	22.44	23.50
		MID	Q16	22.68	**22.88**	22.52	23.50
		HIGH	Q16	22.59	22.78	22.44	23.50
	3	LOW	Q16	22.65	22.74	22.70	23.50
		MID	Q16	22.66	22.74	22.73	23.50
		HIGH	Q16	22.66	22.73	22.69	23.50
	6	LOW	Q16	21.84	21.55	21.78	22.50
1.4	1	LOW	64QAM	21.28	**21.74**	21.32	22.50
		MID	64QAM	21.48	21.53	21.50	22.50
		HIGH	64QAM	21.47	21.49	21.05	22.50
	3	LOW	64QAM	21.34	21.41	21.61	22.50
		MID	64QAM	21.30	21.65	21.72	22.50
		HIGH	64QAM	21.56	21.60	21.51	22.50
	6	LOW	64QAM	20.72	20.27	20.47	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	26705	26865	27025	Tune-up power(dBm)
3	1	LOW	QPSK	23.37	23.41	23.33	24.50
		MID	QPSK	**23.46**	**23.46**	**23.46**	24.50
		HIGH	QPSK	23.41	23.39	23.33	24.50
	8	LOW	QPSK	22.67	22.58	22.55	23.50
		MID	QPSK	22.72	22.65	22.61	23.50
		HIGH	QPSK	22.60	22.61	22.54	23.50
	15	LOW	QPSK	22.58	22.56	22.57	23.50
3	1	LOW	Q16	22.30	22.72	22.40	23.50
		MID	Q16	22.34	**22.85**	22.44	23.50
		HIGH	Q16	22.31	22.72	22.31	23.50
	8	LOW	Q16	21.71	21.69	21.65	22.50
		MID	Q16	21.77	21.71	21.68	22.50
		HIGH	Q16	21.69	21.65	21.57	22.50
	15	LOW	Q16	21.65	21.55	21.54	22.50
3	1	LOW	64QAM	21.30	21.78	21.29	22.50
		MID	64QAM	21.15	**21.88**	21.26	22.50
		HIGH	64QAM	21.27	21.85	21.50	22.50
	8	LOW	64QAM	20.56	20.61	20.77	21.50
		MID	64QAM	20.92	20.78	20.84	21.50
		HIGH	64QAM	20.65	20.84	20.69	21.50
	15	LOW	64QAM	20.58	20.68	20.67	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	26715	26865	27015	Tune-up power(dBm)
5	1	LOW	QPSK	23.66	23.62	23.56	24.50
		MID	QPSK	**23.78**	23.76	23.67	24.50
		HIGH	QPSK	23.66	23.59	23.59	24.50
	12	LOW	QPSK	22.63	22.61	22.58	23.50
		MID	QPSK	22.73	22.71	22.68	23.50
		HIGH	QPSK	22.72	22.61	22.57	23.50
	25	LOW	QPSK	22.69	22.69	22.64	23.50
5	1	LOW	Q16	22.80	23.07	22.66	23.50
		MID	Q16	22.92	**23.19**	22.83	23.50
		HIGH	Q16	22.79	23.10	22.70	23.50
	12	LOW	Q16	21.68	21.79	21.67	22.50
		MID	Q16	21.82	21.84	21.74	22.50
		HIGH	Q16	21.81	21.77	21.63	22.50
	25	LOW	Q16	21.76	21.75	21.61	22.50
5	1	LOW	64QAM	21.70	22.06	21.62	22.50
		MID	64QAM	21.94	**22.34**	21.81	22.50
		HIGH	64QAM	21.86	22.06	21.66	22.50
	12	LOW	64QAM	20.87	20.65	20.54	21.50
		MID	64QAM	20.94	20.95	20.71	21.50
		HIGH	64QAM	20.72	20.61	20.57	21.50
	25	LOW	64QAM	20.83	20.85	20.54	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	26740	26865	26990	Tune-up power(dBm)
10	1	LOW	QPSK	23.72	23.69	23.64	24.50
		MID	QPSK	23.73	**23.74**	23.72	24.50
		HIGH	QPSK	23.70	23.73	23.68	24.50
	25	LOW	QPSK	22.53	22.74	22.67	23.50
		MID	QPSK	22.73	22.74	22.72	23.50
		HIGH	QPSK	22.74	22.73	22.58	23.50
	50	LOW	QPSK	22.68	22.75	22.66	23.50
10	1	LOW	Q16	22.61	22.98	22.70	23.50
		MID	Q16	22.69	23.09	22.77	23.50
		HIGH	Q16	22.59	**23.10**	22.73	23.50
	25	LOW	Q16	21.57	21.75	21.79	22.50
		MID	Q16	21.82	21.80	21.80	22.50
		HIGH	Q16	21.76	21.80	21.71	22.50
	50	LOW	Q16	21.65	21.74	21.70	22.50
10	1	LOW	64QAM	21.57	21.84	21.54	22.50
		MID	64QAM	21.75	22.00	21.75	22.50
		HIGH	64QAM	21.64	**22.08**	21.72	22.50
	25	LOW	64QAM	20.45	20.94	20.87	21.50
		MID	64QAM	20.77	20.80	20.99	21.50
		HIGH	64QAM	20.91	20.85	20.72	21.50
	50	LOW	64QAM	20.65	20.68	20.65	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	26765	26865	26965	Tune-up power(dBm)
15	1	LOW	QPSK	23.67	23.63	23.43	24.50
		MID	QPSK	**23.73**	23.71	23.58	24.50
		HIGH	QPSK	23.67	23.55	23.49	24.50
	36	LOW	QPSK	22.56	22.70	22.39	23.50
		MID	QPSK	22.74	22.68	22.60	23.50
		HIGH	QPSK	22.70	22.62	22.55	23.50
	75	LOW	QPSK	22.66	22.70	22.58	23.50
15	1	LOW	Q16	22.53	22.88	22.94	23.50
		MID	Q16	22.66	**23.00**	22.99	23.50
		HIGH	Q16	22.53	22.91	22.90	23.50
	36	LOW	Q16	21.59	21.64	21.47	22.50
		MID	Q16	21.75	21.69	21.51	22.50
		HIGH	Q16	21.66	21.69	21.48	22.50
	75	LOW	Q16	21.64	21.66	21.52	22.50
15	1	LOW	64QAM	21.38	**22.03**	21.95	22.50
		MID	64QAM	21.77	21.98	22.01	22.50
		HIGH	64QAM	21.56	21.83	21.94	22.50
	36	LOW	64QAM	20.42	20.83	20.55	21.50
		MID	64QAM	20.65	20.66	20.32	21.50
		HIGH	64QAM	20.60	20.76	20.62	21.50
	75	LOW	64QAM	20.64	20.80	20.38	21.50

LTE B26-Level 1-DAT

Bandwidth (MHz)	RB Size	RB offest	Modulation	26697	26865	27033	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.51	23.47	23.45	24.50
		MID	QPSK	23.61	23.53	23.56	24.50
		HIGH	QPSK	23.56	23.47	23.40	24.50
	3	LOW	QPSK	23.64	23.57	23.59	24.50
		MID	QPSK	**23.66**	23.60	23.59	24.50
		HIGH	QPSK	23.65	23.57	23.63	24.50
	6	LOW	QPSK	22.69	22.62	22.58	23.50
1.4	1	LOW	Q16	22.60	22.83	22.44	23.50
		MID	Q16	22.68	**22.88**	22.52	23.50
		HIGH	Q16	22.59	22.78	22.44	23.50
	3	LOW	Q16	22.65	22.74	22.70	23.50
		MID	Q16	22.66	22.74	22.73	23.50
		HIGH	Q16	22.66	22.73	22.69	23.50
	6	LOW	Q16	21.84	21.55	21.78	22.50
1.4	1	LOW	64QAM	21.28	**21.74**	21.32	22.50
		MID	64QAM	21.48	21.53	21.50	22.50
		HIGH	64QAM	21.47	21.49	21.05	22.50
	3	LOW	64QAM	21.34	21.41	21.61	22.50
		MID	64QAM	21.30	21.65	21.72	22.50
		HIGH	64QAM	21.56	21.60	21.51	22.50
	6	LOW	64QAM	20.72	20.27	20.47	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	26705	26865	27025	Tune-up power(dBm)
3	1	LOW	QPSK	23.37	23.41	23.33	24.50
		MID	QPSK	**23.46**	**23.46**	**23.46**	24.50
		HIGH	QPSK	23.41	23.39	23.33	24.50
	8	LOW	QPSK	22.67	22.58	22.55	23.50
		MID	QPSK	22.72	22.65	22.61	23.50
		HIGH	QPSK	22.60	22.61	22.54	23.50
	15	LOW	QPSK	22.58	22.56	22.57	23.50
3	1	LOW	Q16	22.30	22.72	22.40	23.50
		MID	Q16	22.34	**22.85**	22.44	23.50
		HIGH	Q16	22.31	22.72	22.31	23.50
	8	LOW	Q16	21.71	21.69	21.65	22.50
		MID	Q16	21.77	21.71	21.68	22.50
		HIGH	Q16	21.69	21.65	21.57	22.50
	15	LOW	Q16	21.65	21.55	21.54	22.50
3	1	LOW	64QAM	21.30	21.78	21.29	22.50
		MID	64QAM	21.15	**21.88**	21.26	22.50
		HIGH	64QAM	21.27	21.85	21.50	22.50
	8	LOW	64QAM	20.56	20.61	20.77	21.50
		MID	64QAM	20.92	20.78	20.84	21.50
		HIGH	64QAM	20.65	20.84	20.69	21.50
	15	LOW	64QAM	20.58	20.68	20.67	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	26715	26865	27015	Tune-up power(dBm)
5	1	LOW	QPSK	23.66	23.62	23.56	24.50
		MID	QPSK	**23.78**	23.76	23.67	24.50
		HIGH	QPSK	23.66	23.59	23.59	24.50
	12	LOW	QPSK	22.63	22.61	22.58	23.50
		MID	QPSK	22.73	22.71	22.68	23.50
		HIGH	QPSK	22.72	22.61	22.57	23.50
	25	LOW	QPSK	22.69	22.69	22.64	23.50
5	1	LOW	Q16	22.80	23.07	22.66	23.50
		MID	Q16	22.92	**23.19**	22.83	23.50
		HIGH	Q16	22.79	23.10	22.70	23.50
	12	LOW	Q16	21.68	21.79	21.67	22.50
		MID	Q16	21.82	21.84	21.74	22.50
		HIGH	Q16	21.81	21.77	21.63	22.50
	25	LOW	Q16	21.76	21.75	21.61	22.50
5	1	LOW	64QAM	21.70	22.06	21.62	22.50
		MID	64QAM	21.94	**22.34**	21.81	22.50
		HIGH	64QAM	21.86	22.06	21.66	22.50
	12	LOW	64QAM	20.87	20.65	20.54	21.50
		MID	64QAM	20.94	20.95	20.71	21.50
		HIGH	64QAM	20.72	20.61	20.57	21.50
	25	LOW	64QAM	20.83	20.85	20.54	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	26740	26865	26990	Tune-up power(dBm)
10	1	LOW	QPSK	23.72	23.69	23.64	24.50
		MID	QPSK	23.73	**23.74**	23.72	24.50
		HIGH	QPSK	23.70	23.73	23.68	24.50
	25	LOW	QPSK	22.53	22.74	22.67	23.50
		MID	QPSK	22.73	22.74	22.72	23.50
		HIGH	QPSK	22.74	22.73	22.58	23.50
	50	LOW	QPSK	22.68	22.75	22.66	23.50
10	1	LOW	Q16	22.61	22.98	22.70	23.50
		MID	Q16	22.69	23.09	22.77	23.50
		HIGH	Q16	22.59	**23.10**	22.73	23.50
	25	LOW	Q16	21.57	21.75	21.79	22.50
		MID	Q16	21.82	21.80	21.80	22.50
		HIGH	Q16	21.76	21.80	21.71	22.50
	50	LOW	Q16	21.65	21.74	21.70	22.50
10	1	LOW	64QAM	21.57	21.84	21.54	22.50
		MID	64QAM	21.75	22.00	21.75	22.50
		HIGH	64QAM	21.64	**22.08**	21.72	22.50
	25	LOW	64QAM	20.45	20.94	20.87	21.50
		MID	64QAM	20.77	20.80	20.99	21.50
		HIGH	64QAM	20.91	20.85	20.72	21.50
	50	LOW	64QAM	20.65	20.68	20.65	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	26765	26865	26965	Tune-up power(dBm)
15	1	LOW	QPSK	23.67	23.63	23.43	24.50
		MID	QPSK	**23.73**	23.71	23.58	24.50
		HIGH	QPSK	23.67	23.55	23.49	24.50
	36	LOW	QPSK	22.56	22.70	22.39	23.50
		MID	QPSK	22.74	22.68	22.60	23.50
		HIGH	QPSK	22.70	22.62	22.55	23.50
	75	LOW	QPSK	22.66	22.70	22.58	23.50
15	1	LOW	Q16	22.53	22.88	22.94	23.50
		MID	Q16	22.66	**23.00**	22.99	23.50
		HIGH	Q16	22.53	22.91	22.90	23.50
	36	LOW	Q16	21.59	21.64	21.47	22.50
		MID	Q16	21.75	21.69	21.51	22.50
		HIGH	Q16	21.66	21.69	21.48	22.50
	75	LOW	Q16	21.64	21.66	21.52	22.50
15	1	LOW	64QAM	21.38	**22.03**	21.95	22.50
		MID	64QAM	21.77	21.98	22.01	22.50
		HIGH	64QAM	21.56	21.83	21.94	22.50
	36	LOW	64QAM	20.42	20.83	20.55	21.50
		MID	64QAM	20.65	20.66	20.32	21.50
		HIGH	64QAM	20.60	20.76	20.62	21.50
	75	LOW	64QAM	20.64	20.80	20.38	21.50

LTE B26-Level 2/3 -DAT

Bandwidth (MHz)	RB Size	RB offest	Modulation	26697	26865	27033	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.51	23.47	23.45	24.50
		MID	QPSK	23.61	23.53	23.56	24.50
		HIGH	QPSK	23.56	23.47	23.40	24.50
	3	LOW	QPSK	23.64	23.57	23.59	24.50
		MID	QPSK	**23.66**	23.60	23.59	24.50
		HIGH	QPSK	23.65	23.57	23.63	24.50
	6	LOW	QPSK	22.69	22.62	22.58	23.50
1.4	1	LOW	Q16	22.60	22.83	22.44	23.50
		MID	Q16	22.68	**22.88**	22.52	23.50
		HIGH	Q16	22.59	22.78	22.44	23.50
	3	LOW	Q16	22.65	22.74	22.70	23.50
		MID	Q16	22.66	22.74	22.73	23.50
		HIGH	Q16	22.66	22.73	22.69	23.50
	6	LOW	Q16	21.84	21.55	21.78	22.50
1.4	1	LOW	64QAM	21.28	**21.74**	21.32	22.50
		MID	64QAM	21.48	21.53	21.50	22.50
		HIGH	64QAM	21.47	21.49	21.05	22.50
	3	LOW	64QAM	21.34	21.41	21.61	22.50
		MID	64QAM	21.30	21.65	21.72	22.50
		HIGH	64QAM	21.56	21.60	21.51	22.50
	6	LOW	64QAM	20.72	20.27	20.47	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	26705	26865	27025	Tune-up power(dBm)
3	1	LOW	QPSK	23.37	23.41	23.33	24.50
		MID	QPSK	**23.46**	**23.46**	**23.46**	24.50
		HIGH	QPSK	23.41	23.39	23.33	24.50
	8	LOW	QPSK	22.67	22.58	22.55	23.50
		MID	QPSK	22.72	22.65	22.61	23.50
		HIGH	QPSK	22.60	22.61	22.54	23.50
	15	LOW	QPSK	22.58	22.56	22.57	23.50
3	1	LOW	Q16	22.30	22.72	22.40	23.50
		MID	Q16	22.34	**22.85**	22.44	23.50
		HIGH	Q16	22.31	22.72	22.31	23.50
	8	LOW	Q16	21.71	21.69	21.65	22.50
		MID	Q16	21.77	21.71	21.68	22.50
		HIGH	Q16	21.69	21.65	21.57	22.50
	15	LOW	Q16	21.65	21.55	21.54	22.50
3	1	LOW	64QAM	21.30	21.78	21.29	22.50
		MID	64QAM	21.15	**21.88**	21.26	22.50
		HIGH	64QAM	21.27	21.85	21.50	22.50
	8	LOW	64QAM	20.56	20.61	20.77	21.50
		MID	64QAM	20.92	20.78	20.84	21.50
		HIGH	64QAM	20.65	20.84	20.69	21.50
	15	LOW	64QAM	20.58	20.68	20.67	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	26715	26865	27015	Tune-up power(dBm)
5	1	LOW	QPSK	23.66	23.62	23.56	24.50
		MID	QPSK	**23.78**	23.76	23.67	24.50
		HIGH	QPSK	23.66	23.59	23.59	24.50
	12	LOW	QPSK	22.63	22.61	22.58	23.50
		MID	QPSK	22.73	22.71	22.68	23.50
		HIGH	QPSK	22.72	22.61	22.57	23.50
	25	LOW	QPSK	22.69	22.69	22.64	23.50
5	1	LOW	Q16	22.80	23.07	22.66	23.50
		MID	Q16	22.92	**23.19**	22.83	23.50
		HIGH	Q16	22.79	23.10	22.70	23.50
	12	LOW	Q16	21.68	21.79	21.67	22.50
		MID	Q16	21.82	21.84	21.74	22.50
		HIGH	Q16	21.81	21.77	21.63	22.50
	25	LOW	Q16	21.76	21.75	21.61	22.50
5	1	LOW	64QAM	21.70	22.06	21.62	22.50
		MID	64QAM	21.94	**22.34**	21.81	22.50
		HIGH	64QAM	21.86	22.06	21.66	22.50
	12	LOW	64QAM	20.87	20.65	20.54	21.50
		MID	64QAM	20.94	20.95	20.71	21.50
		HIGH	64QAM	20.72	20.61	20.57	21.50
	25	LOW	64QAM	20.83	20.85	20.54	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	26740	26865	26990	Tune-up power(dBm)
10	1	LOW	QPSK	23.72	23.69	23.64	24.50
		MID	QPSK	23.73	**23.74**	23.72	24.50
		HIGH	QPSK	23.70	23.73	23.68	24.50
	25	LOW	QPSK	22.53	22.74	22.67	23.50
		MID	QPSK	22.73	22.74	22.72	23.50
		HIGH	QPSK	22.74	22.73	22.58	23.50
	50	LOW	QPSK	22.68	22.75	22.66	23.50
10	1	LOW	Q16	22.61	22.98	22.70	23.50
		MID	Q16	22.69	23.09	22.77	23.50
		HIGH	Q16	22.59	**23.10**	22.73	23.50
	25	LOW	Q16	21.57	21.75	21.79	22.50
		MID	Q16	21.82	21.80	21.80	22.50
		HIGH	Q16	21.76	21.80	21.71	22.50
	50	LOW	Q16	21.65	21.74	21.70	22.50
10	1	LOW	64QAM	21.57	21.84	21.54	22.50
		MID	64QAM	21.75	22.00	21.75	22.50
		HIGH	64QAM	21.64	**22.08**	21.72	22.50
	25	LOW	64QAM	20.45	20.94	20.87	21.50
		MID	64QAM	20.77	20.80	20.99	21.50
		HIGH	64QAM	20.91	20.85	20.72	21.50
	50	LOW	64QAM	20.65	20.68	20.65	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	26765	26865	26965	Tune-up power(dBm)
15	1	LOW	QPSK	23.67	23.63	23.43	24.50
		MID	QPSK	**23.73**	23.71	23.58	24.50
		HIGH	QPSK	23.67	23.55	23.49	24.50
	36	LOW	QPSK	22.56	22.70	22.39	23.50
		MID	QPSK	22.74	22.68	22.60	23.50
		HIGH	QPSK	22.70	22.62	22.55	23.50
	75	LOW	QPSK	22.66	22.70	22.58	23.50
15	1	LOW	Q16	22.53	22.88	22.94	23.50
		MID	Q16	22.66	**23.00**	22.99	23.50
		HIGH	Q16	22.53	22.91	22.90	23.50
	36	LOW	Q16	21.59	21.64	21.47	22.50
		MID	Q16	21.75	21.69	21.51	22.50
		HIGH	Q16	21.66	21.69	21.48	22.50
	75	LOW	Q16	21.64	21.66	21.52	22.50
15	1	LOW	64QAM	21.38	**22.03**	21.95	22.50
		MID	64QAM	21.77	21.98	22.01	22.50
		HIGH	64QAM	21.56	21.83	21.94	22.50
	36	LOW	64QAM	20.42	20.83	20.55	21.50
		MID	64QAM	20.65	20.66	20.32	21.50
		HIGH	64QAM	20.60	20.76	20.62	21.50
	75	LOW	64QAM	20.64	20.80	20.38	21.50

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Bandwidth (MHz)	RB Size	RB offest	Modulation	26697	26865	27033	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.51	23.47	23.45	24.50
		MID	QPSK	23.61	23.53	23.56	24.50
		HIGH	QPSK	23.56	23.47	23.40	24.50
	3	LOW	QPSK	23.64	23.57	23.59	24.50
		MID	QPSK	**23.66**	23.60	23.59	24.50
		HIGH	QPSK	23.65	23.57	23.63	24.50
	6	LOW	QPSK	22.69	22.62	22.58	23.50
1.4	1	LOW	Q16	22.60	22.83	22.44	23.50
		MID	Q16	22.68	**22.88**	22.52	23.50
		HIGH	Q16	22.59	22.78	22.44	23.50
	3	LOW	Q16	22.65	22.74	22.70	23.50
		MID	Q16	22.66	22.74	22.73	23.50
		HIGH	Q16	22.66	22.73	22.69	23.50
	6	LOW	Q16	21.84	21.55	21.78	22.50
1.4	1	LOW	64QAM	21.28	**21.74**	21.32	22.50
		MID	64QAM	21.48	21.53	21.50	22.50
		HIGH	64QAM	21.47	21.49	21.05	22.50
	3	LOW	64QAM	21.34	21.41	21.61	22.50
		MID	64QAM	21.30	21.65	21.72	22.50
		HIGH	64QAM	21.56	21.60	21.51	22.50
	6	LOW	64QAM	20.72	20.27	20.47	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	26705	26865	27025	Tune-up power(dBm)
3	1	LOW	QPSK	23.37	23.41	23.33	24.50
		MID	QPSK	**23.46**	**23.46**	**23.46**	24.50
		HIGH	QPSK	23.41	23.39	23.33	24.50
	8	LOW	QPSK	22.67	22.58	22.55	23.50
		MID	QPSK	22.72	22.65	22.61	23.50
		HIGH	QPSK	22.60	22.61	22.54	23.50
	15	LOW	QPSK	22.58	22.56	22.57	23.50
3	1	LOW	Q16	22.30	22.72	22.40	23.50
		MID	Q16	22.34	**22.85**	22.44	23.50
		HIGH	Q16	22.31	22.72	22.31	23.50
	8	LOW	Q16	21.71	21.69	21.65	22.50
		MID	Q16	21.77	21.71	21.68	22.50
		HIGH	Q16	21.69	21.65	21.57	22.50
	15	LOW	Q16	21.65	21.55	21.54	22.50
3	1	LOW	64QAM	21.30	21.78	21.29	22.50
		MID	64QAM	21.15	**21.88**	21.26	22.50
		HIGH	64QAM	21.27	21.85	21.50	22.50
	8	LOW	64QAM	20.56	20.61	20.77	21.50
		MID	64QAM	20.92	20.78	20.84	21.50
		HIGH	64QAM	20.65	20.84	20.69	21.50
	15	LOW	64QAM	20.58	20.68	20.67	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	26715	26865	27015	Tune-up power(dBm)
5	1	LOW	QPSK	23.66	23.62	23.56	24.50
		MID	QPSK	**23.78**	23.76	23.67	24.50
		HIGH	QPSK	23.66	23.59	23.59	24.50
	12	LOW	QPSK	22.63	22.61	22.58	23.50
		MID	QPSK	22.73	22.71	22.68	23.50
		HIGH	QPSK	22.72	22.61	22.57	23.50
	25	LOW	QPSK	22.69	22.69	22.64	23.50
5	1	LOW	Q16	22.80	23.07	22.66	23.50
		MID	Q16	22.92	**23.19**	22.83	23.50
		HIGH	Q16	22.79	23.10	22.70	23.50
	12	LOW	Q16	21.68	21.79	21.67	22.50
		MID	Q16	21.82	21.84	21.74	22.50
		HIGH	Q16	21.81	21.77	21.63	22.50
	25	LOW	Q16	21.76	21.75	21.61	22.50
5	1	LOW	64QAM	21.70	22.06	21.62	22.50
		MID	64QAM	21.94	**22.34**	21.81	22.50
		HIGH	64QAM	21.86	22.06	21.66	22.50
	12	LOW	64QAM	20.87	20.65	20.54	21.50
		MID	64QAM	20.94	20.95	20.71	21.50
		HIGH	64QAM	20.72	20.61	20.57	21.50
	25	LOW	64QAM	20.83	20.85	20.54	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	26740	26865	26990	Tune-up power(dBm)
10	1	LOW	QPSK	23.72	23.69	23.64	24.50
		MID	QPSK	23.73	**23.74**	23.72	24.50
		HIGH	QPSK	23.70	23.73	23.68	24.50
	25	LOW	QPSK	22.53	22.74	22.67	23.50
		MID	QPSK	22.73	22.74	22.72	23.50
		HIGH	QPSK	22.74	22.73	22.58	23.50
	50	LOW	QPSK	22.68	22.75	22.66	23.50
10	1	LOW	Q16	22.61	22.98	22.70	23.50
		MID	Q16	22.69	23.09	22.77	23.50
		HIGH	Q16	22.59	**23.10**	22.73	23.50
	25	LOW	Q16	21.57	21.75	21.79	22.50
		MID	Q16	21.82	21.80	21.80	22.50
		HIGH	Q16	21.76	21.80	21.71	22.50
	50	LOW	Q16	21.65	21.74	21.70	22.50
10	1	LOW	64QAM	21.57	21.84	21.54	22.50
		MID	64QAM	21.75	22.00	21.75	22.50
		HIGH	64QAM	21.64	**22.08**	21.72	22.50
	25	LOW	64QAM	20.45	20.94	20.87	21.50
		MID	64QAM	20.77	20.80	20.99	21.50
		HIGH	64QAM	20.91	20.85	20.72	21.50
	50	LOW	64QAM	20.65	20.68	20.65	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	26765	26865	26965	Tune-up power(dBm)
15	1	LOW	QPSK	23.67	23.63	23.43	24.50
		MID	QPSK	**23.73**	23.71	23.58	24.50
		HIGH	QPSK	23.67	23.55	23.49	24.50
	36	LOW	QPSK	22.56	22.70	22.39	23.50
		MID	QPSK	22.74	22.68	22.60	23.50
		HIGH	QPSK	22.70	22.62	22.55	23.50
	75	LOW	QPSK	22.66	22.70	22.58	23.50
15	1	LOW	Q16	22.53	22.88	22.94	23.50
		MID	Q16	22.66	**23.00**	22.99	23.50
		HIGH	Q16	22.53	22.91	22.90	23.50
	36	LOW	Q16	21.59	21.64	21.47	22.50
		MID	Q16	21.75	21.69	21.51	22.50
		HIGH	Q16	21.66	21.69	21.48	22.50
	75	LOW	Q16	21.64	21.66	21.52	22.50
15	1	LOW	64QAM	21.38	**22.03**	21.95	22.50
		MID	64QAM	21.77	21.98	22.01	22.50
		HIGH	64QAM	21.56	21.83	21.94	22.50
	36	LOW	64QAM	20.42	20.83	20.55	21.50
		MID	64QAM	20.65	20.66	20.32	21.50
		HIGH	64QAM	20.60	20.76	20.62	21.50
	75	LOW	64QAM	20.64	20.80	20.38	21.50

LTE B26-Level 5/6 -DAT

Bandwidth (MHz)	RB Size	RB offest	Modulation	26697	26865	27033	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.51	23.47	23.45	24.50
		MID	QPSK	23.61	23.53	23.56	24.50
		HIGH	QPSK	23.56	23.47	23.40	24.50
	3	LOW	QPSK	23.64	23.57	23.59	24.50
		MID	QPSK	**23.66**	23.60	23.59	24.50
		HIGH	QPSK	23.65	23.57	23.63	24.50
	6	LOW	QPSK	22.69	22.62	22.58	23.50
1.4	1	LOW	Q16	22.60	22.83	22.44	23.50
		MID	Q16	22.68	**22.88**	22.52	23.50
		HIGH	Q16	22.59	22.78	22.44	23.50
	3	LOW	Q16	22.65	22.74	22.70	23.50
		MID	Q16	22.66	22.74	22.73	23.50
		HIGH	Q16	22.66	22.73	22.69	23.50
	6	LOW	Q16	21.84	21.55	21.78	22.50
1.4	1	LOW	64QAM	21.28	**21.74**	21.32	22.50
		MID	64QAM	21.48	21.53	21.50	22.50
		HIGH	64QAM	21.47	21.49	21.05	22.50
	3	LOW	64QAM	21.34	21.41	21.61	22.50
		MID	64QAM	21.30	21.65	21.72	22.50
		HIGH	64QAM	21.56	21.60	21.51	22.50
	6	LOW	64QAM	20.72	20.27	20.47	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	26705	26865	27025	Tune-up power(dBm)
3	1	LOW	QPSK	23.37	23.41	23.33	24.50
		MID	QPSK	**23.46**	**23.46**	**23.46**	24.50
		HIGH	QPSK	23.41	23.39	23.33	24.50
	8	LOW	QPSK	22.67	22.58	22.55	23.50
		MID	QPSK	22.72	22.65	22.61	23.50
		HIGH	QPSK	22.60	22.61	22.54	23.50
	15	LOW	QPSK	22.58	22.56	22.57	23.50
3	1	LOW	Q16	22.30	22.72	22.40	23.50
		MID	Q16	22.34	**22.85**	22.44	23.50
		HIGH	Q16	22.31	22.72	22.31	23.50
	8	LOW	Q16	21.71	21.69	21.65	22.50
		MID	Q16	21.77	21.71	21.68	22.50
		HIGH	Q16	21.69	21.65	21.57	22.50
	15	LOW	Q16	21.65	21.55	21.54	22.50
3	1	LOW	64QAM	21.30	21.78	21.29	22.50
		MID	64QAM	21.15	**21.88**	21.26	22.50
		HIGH	64QAM	21.27	21.85	21.50	22.50
	8	LOW	64QAM	20.56	20.61	20.77	21.50
		MID	64QAM	20.92	20.78	20.84	21.50
		HIGH	64QAM	20.65	20.84	20.69	21.50
	15	LOW	64QAM	20.58	20.68	20.67	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	26715	26865	27015	Tune-up power(dBm)
5	1	LOW	QPSK	23.66	23.62	23.56	24.50
		MID	QPSK	**23.78**	23.76	23.67	24.50
		HIGH	QPSK	23.66	23.59	23.59	24.50
	12	LOW	QPSK	22.63	22.61	22.58	23.50
		MID	QPSK	22.73	22.71	22.68	23.50
		HIGH	QPSK	22.72	22.61	22.57	23.50
	25	LOW	QPSK	22.69	22.69	22.64	23.50
5	1	LOW	Q16	22.80	23.07	22.66	23.50
		MID	Q16	22.92	**23.19**	22.83	23.50
		HIGH	Q16	22.79	23.10	22.70	23.50
	12	LOW	Q16	21.68	21.79	21.67	22.50
		MID	Q16	21.82	21.84	21.74	22.50
		HIGH	Q16	21.81	21.77	21.63	22.50
	25	LOW	Q16	21.76	21.75	21.61	22.50
5	1	LOW	64QAM	21.70	22.06	21.62	22.50
		MID	64QAM	21.94	**22.34**	21.81	22.50
		HIGH	64QAM	21.86	22.06	21.66	22.50
	12	LOW	64QAM	20.87	20.65	20.54	21.50
		MID	64QAM	20.94	20.95	20.71	21.50
		HIGH	64QAM	20.72	20.61	20.57	21.50
	25	LOW	64QAM	20.83	20.85	20.54	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	26740	26865	26990	Tune-up power(dBm)
10	1	LOW	QPSK	23.72	23.69	23.64	24.50
		MID	QPSK	23.73	**23.74**	23.72	24.50
		HIGH	QPSK	23.70	23.73	23.68	24.50
	25	LOW	QPSK	22.53	22.74	22.67	23.50
		MID	QPSK	22.73	22.74	22.72	23.50
		HIGH	QPSK	22.74	22.73	22.58	23.50
	50	LOW	QPSK	22.68	22.75	22.66	23.50
10	1	LOW	Q16	22.61	22.98	22.70	23.50
		MID	Q16	22.69	23.09	22.77	23.50
		HIGH	Q16	22.59	**23.10**	22.73	23.50
	25	LOW	Q16	21.57	21.75	21.79	22.50
		MID	Q16	21.82	21.80	21.80	22.50
		HIGH	Q16	21.76	21.80	21.71	22.50
	50	LOW	Q16	21.65	21.74	21.70	22.50
10	1	LOW	64QAM	21.57	21.84	21.54	22.50
		MID	64QAM	21.75	22.00	21.75	22.50
		HIGH	64QAM	21.64	**22.08**	21.72	22.50
	25	LOW	64QAM	20.45	20.94	20.87	21.50
		MID	64QAM	20.77	20.80	20.99	21.50
		HIGH	64QAM	20.91	20.85	20.72	21.50
	50	LOW	64QAM	20.65	20.68	20.65	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	26765	26865	26965	Tune-up power(dBm)
15	1	LOW	QPSK	23.67	23.63	23.43	24.50
		MID	QPSK	**23.73**	23.71	23.58	24.50
		HIGH	QPSK	23.67	23.55	23.49	24.50
	36	LOW	QPSK	22.56	22.70	22.39	23.50
		MID	QPSK	22.74	22.68	22.60	23.50
		HIGH	QPSK	22.70	22.62	22.55	23.50
	75	LOW	QPSK	22.66	22.70	22.58	23.50
15	1	LOW	Q16	22.53	22.88	22.94	23.50
		MID	Q16	22.66	**23.00**	22.99	23.50
		HIGH	Q16	22.53	22.91	22.90	23.50
	36	LOW	Q16	21.59	21.64	21.47	22.50
		MID	Q16	21.75	21.69	21.51	22.50
		HIGH	Q16	21.66	21.69	21.48	22.50
	75	LOW	Q16	21.64	21.66	21.52	22.50
15	1	LOW	64QAM	21.38	**22.03**	21.95	22.50
		MID	64QAM	21.77	21.98	22.01	22.50
		HIGH	64QAM	21.56	21.83	21.94	22.50
	36	LOW	64QAM	20.42	20.83	20.55	21.50
		MID	64QAM	20.65	20.66	20.32	21.50
		HIGH	64QAM	20.60	20.76	20.62	21.50
	75	LOW	64QAM	20.64	20.80	20.38	21.50

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Bandwidth (MHz)	RB Size	RB offest	Modulation	131979	132322	132665	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.48	23.44	23.52	24.00
		MID	QPSK	23.51	23.47	23.60	24.00
		HIGH	QPSK	23.43	23.39	23.59	24.00
	3	LOW	QPSK	23.56	23.47	23.60	24.00
		MID	QPSK	23.59	23.53	**23.65**	24.00
		HIGH	QPSK	23.50	23.50	23.60	24.00
	6	LOW	QPSK	22.59	22.56	22.70	23.00
1.4	1	LOW	Q16	22.53	22.70	22.43	23.00
		MID	Q16	22.63	**22.75**	22.49	23.00
		HIGH	Q16	22.52	22.67	22.48	23.00
	3	LOW	Q16	22.57	22.63	22.69	23.00
		MID	Q16	22.58	22.63	22.70	23.00
		HIGH	Q16	22.54	22.62	22.67	23.00
	6	LOW	Q16	21.82	21.47	21.86	22.00
1.4	1	LOW	64QAM	21.52	**21.72**	21.52	22.00
		MID	64QAM	21.37	21.72	21.39	22.00
		HIGH	64QAM	21.61	21.38	21.31	22.00
	3	LOW	64QAM	21.59	21.46	21.56	22.00
		MID	64QAM	21.38	21.65	21.67	22.00
		HIGH	64QAM	21.41	21.62	21.45	22.00
	6	LOW	64QAM	20.81	20.55	20.92	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	131987	132322	132657	Tune-up power(dBm)
3	1	LOW	QPSK	23.29	23.28	23.38	24.00
		MID	QPSK	23.34	23.39	**23.52**	24.00
		HIGH	QPSK	23.30	23.26	23.41	24.00
	8	LOW	QPSK	22.51	22.47	22.56	23.00
		MID	QPSK	22.53	22.54	22.64	23.00
		HIGH	QPSK	22.47	22.47	22.49	23.00
	15	LOW	QPSK	22.48	22.42	22.56	23.00
3	1	LOW	Q16	22.20	22.56	22.30	23.00
		MID	Q16	22.31	**22.66**	22.41	23.00
		HIGH	Q16	22.16	22.55	22.32	23.00
	8	LOW	Q16	21.67	21.59	21.63	22.00
		MID	Q16	21.71	21.65	21.68	22.00
		HIGH	Q16	21.64	21.53	21.61	22.00
	15	LOW	Q16	21.55	21.49	21.53	22.00
3	1	LOW	64QAM	21.20	21.41	21.08	22.00
		MID	64QAM	21.02	**21.73**	21.19	22.00
		HIGH	64QAM	20.93	21.38	21.11	22.00
	8	LOW	64QAM	20.51	20.65	20.62	21.50
		MID	64QAM	20.76	20.65	20.48	21.50
		HIGH	64QAM	20.65	20.24	20.47	21.50
	15	LOW	64QAM	20.59	20.51	20.51	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	131997	132322	132647	Tune-up power(dBm)
5	1	LOW	QPSK	23.55	23.50	23.53	24.00
		MID	QPSK	**23.70**	23.62	**23.70**	24.00
		HIGH	QPSK	23.48	23.47	23.56	24.00
	12	LOW	QPSK	22.51	22.47	22.56	23.00
		MID	QPSK	22.61	22.54	22.65	23.00
		HIGH	QPSK	22.54	22.48	22.56	23.00
	25	LOW	QPSK	22.52	22.50	22.53	23.00
5	1	LOW	Q16	22.72	22.88	22.54	23.00
		MID	Q16	22.82	22.66	22.72	23.00
		HIGH	Q16	22.64	**22.91**	22.65	23.00
	12	LOW	Q16	21.64	21.65	21.63	22.00
		MID	Q16	21.72	21.71	21.75	22.00
		HIGH	Q16	21.64	21.64	21.68	22.00
	25	LOW	Q16	21.66	21.61	21.55	22.00
5	1	LOW	64QAM	21.54	**21.91**	21.38	22.00
		MID	64QAM	21.66	21.61	21.77	22.00
		HIGH	64QAM	21.35	21.89	21.63	22.00
	12	LOW	64QAM	20.53	20.72	20.46	21.50
		MID	64QAM	20.59	20.60	20.73	21.50
		HIGH	64QAM	20.66	20.67	20.75	21.50
	25	LOW	64QAM	20.71	20.61	20.62	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	132022	132322	132622	Tune-up power(dBm)
10	1	LOW	QPSK	23.54	23.58	23.61	24.00
		MID	QPSK	23.59	23.63	23.65	24.00
		HIGH	QPSK	23.58	23.56	**23.71**	24.00
	25	LOW	QPSK	22.43	22.49	22.53	23.00
		MID	QPSK	22.56	22.55	22.63	23.00
		HIGH	QPSK	22.63	22.53	22.53	23.00
	50	LOW	QPSK	22.56	22.56	22.57	23.00
10	1	LOW	Q16	22.52	22.78	22.54	23.00
		MID	Q16	22.50	22.88	22.63	23.00
		HIGH	Q16	22.47	**22.89**	22.58	23.00
	25	LOW	Q16	21.53	21.53	21.70	22.00
		MID	Q16	21.63	21.62	21.79	22.00
		HIGH	Q16	21.67	21.62	21.67	22.00
	50	LOW	Q16	21.55	21.62	21.59	22.00
10	1	LOW	64QAM	21.50	21.52	21.47	22.00
		MID	64QAM	21.38	**21.95**	21.41	22.00
		HIGH	64QAM	21.54	21.84	21.48	22.00
	25	LOW	64QAM	20.54	20.48	20.45	21.50
		MID	64QAM	20.63	20.51	20.66	21.50
		HIGH	64QAM	20.52	20.67	20.45	21.50
	50	LOW	64QAM	20.28	20.44	20.58	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	132047	132322	132597	Tune-up power(dBm)
15	1	LOW	QPSK	23.48	23.54	23.52	24.00
		MID	QPSK	23.59	23.64	**23.71**	24.00
		HIGH	QPSK	23.56	23.50	23.66	24.00
	36	LOW	QPSK	22.49	22.60	22.58	23.00
		MID	QPSK	22.60	22.65	22.68	23.00
		HIGH	QPSK	22.64	22.59	22.64	23.00
	75	LOW	QPSK	22.55	22.67	22.65	23.00
15	1	LOW	Q16	22.45	22.75	22.92	23.00
		MID	Q16	22.50	22.90	**22.95**	23.00
		HIGH	Q16	22.37	22.86	22.90	23.00
	36	LOW	Q16	21.49	21.63	21.57	22.00
		MID	Q16	21.59	21.71	21.68	22.00
		HIGH	Q16	21.65	21.59	21.65	22.00
	75	LOW	Q16	21.59	21.67	21.62	22.00
15	1	LOW	64QAM	21.30	21.48	21.90	22.00
		MID	64QAM	21.51	**21.94**	21.79	22.00
		HIGH	64QAM	21.13	21.85	21.78	22.00
	36	LOW	64QAM	20.48	20.61	20.55	21.50
		MID	64QAM	20.58	20.49	20.65	21.50
		HIGH	64QAM	20.63	20.57	20.39	21.50
	75	LOW	64QAM	20.59	20.74	20.39	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	132072	132322	132572	Tune-up power(dBm)
20	1	LOW	QPSK	23.47	23.47	23.41	24.00
		MID	QPSK	23.67	23.65	**23.68**	24.00
		HIGH	QPSK	23.53	23.57	23.54	24.00
	50	LOW	QPSK	22.42	22.56	22.53	23.00
		MID	QPSK	22.56	22.63	22.66	23.00
		HIGH	QPSK	22.60	22.55	22.58	23.00
	100	LOW	QPSK	22.52	22.55	22.53	23.00
20	1	LOW	Q16	22.91	22.69	22.77	23.00
		MID	Q16	22.70	**22.94**	22.63	23.00
		HIGH	Q16	22.90	**22.94**	22.88	23.00
	50	LOW	Q16	21.46	21.62	21.52	22.00
		MID	Q16	21.65	21.67	21.66	22.00
		HIGH	Q16	21.65	21.61	21.56	22.00
	100	LOW	Q16	21.57	21.62	21.56	22.00
20	1	LOW	64QAM	21.74	21.52	21.67	22.00
		MID	64QAM	21.76	21.72	21.67	22.00
		HIGH	64QAM	**21.88**	21.80	21.67	22.00
	50	LOW	64QAM	20.34	20.71	20.49	21.50
		MID	64QAM	20.74	20.41	20.54	21.50
		HIGH	64QAM	20.42	20.62	20.58	21.50
	100	LOW	64QAM	20.36	20.39	20.37	21.50

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Bandwidth (MHz)	RB Size	RB offest	Modulation	131979	132322	132665	Tune-up power(dBm)
1.4	1	LOW	QPSK	18.96	18.88	18.96	19.50
		MID	QPSK	19.02	18.92	19.07	19.50
		HIGH	QPSK	18.95	18.88	18.98	19.50
	3	LOW	QPSK	19.07	18.96	19.07	19.50
		MID	QPSK	19.07	19.03	19.10	19.50
		HIGH	QPSK	19.01	19.02	19.11	19.50
	6	LOW	QPSK	19.10	19.03	**19.13**	19.50
1.4	1	LOW	Q16	19.06	19.28	19.00	19.50
		MID	Q16	19.16	19.32	19.06	19.50
		HIGH	Q16	19.04	19.20	19.02	19.50
	3	LOW	Q16	19.10	19.23	19.24	19.50
		MID	Q16	19.09	19.18	19.26	19.50
		HIGH	Q16	19.10	19.19	19.24	19.50
	6	LOW	Q16	19.23	18.98	**19.33**	19.50
1.4	1	LOW	64QAM	18.77	18.97	18.67	19.50
		MID	64QAM	18.89	19.17	18.87	19.50
		HIGH	64QAM	18.94	19.17	18.74	19.50
	3	LOW	64QAM	18.96	18.90	19.10	19.50
		MID	64QAM	19.02	18.94	**19.24**	19.50
		HIGH	64QAM	18.91	18.94	19.12	19.50
	6	LOW	64QAM	18.93	18.81	18.97	19.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	131987	132322	132657	Tune-up power(dBm)
3	1	LOW	QPSK	18.77	18.71	18.81	19.50
		MID	QPSK	18.82	18.85	18.96	19.50
		HIGH	QPSK	18.73	18.76	18.87	19.50
	8	LOW	QPSK	19.03	18.97	19.07	19.50
		MID	QPSK	19.06	19.02	**19.11**	19.50
		HIGH	QPSK	18.95	18.96	19.03	19.50
	15	LOW	QPSK	18.98	18.93	19.00	19.50
3	1	LOW	Q16	18.81	19.13	18.84	19.50
		MID	Q16	18.82	**19.26**	18.93	19.50
		HIGH	Q16	18.72	19.12	18.79	19.50
	8	LOW	Q16	19.13	19.07	19.09	19.50
		MID	Q16	19.15	19.10	19.16	19.50
		HIGH	Q16	19.09	19.04	19.08	19.50
	15	LOW	Q16	18.97	18.97	18.98	19.50
3	1	LOW	64QAM	18.49	19.04	18.75	19.50
		MID	64QAM	18.56	**19.18**	18.81	19.50
		HIGH	64QAM	18.45	19.00	18.46	19.50
	8	LOW	64QAM	18.98	18.85	18.92	19.50
		MID	64QAM	19.13	18.73	19.15	19.50
		HIGH	64QAM	19.00	18.78	18.89	19.50
	15	LOW	64QAM	18.64	18.79	18.84	19.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	131997	132322	132647	Tune-up power(dBm)
5	1	LOW	QPSK	19.05	19.00	18.95	19.50
		MID	QPSK	**19.23**	19.12	19.18	19.50
		HIGH	QPSK	19.01	18.99	19.08	19.50
	12	LOW	QPSK	18.99	18.97	19.00	19.50
		MID	QPSK	19.07	19.06	19.16	19.50
		HIGH	QPSK	19.01	18.95	19.06	19.50
	25	LOW	QPSK	19.03	19.00	19.01	19.50
5	1	LOW	Q16	19.20	**19.48**	19.10	19.50
		MID	Q16	19.36	19.36	19.26	19.50
		HIGH	Q16	19.20	19.47	19.20	19.50
	12	LOW	Q16	19.13	19.17	19.07	19.50
		MID	Q16	19.16	19.24	19.19	19.50
		HIGH	Q16	19.12	19.10	19.09	19.50
	25	LOW	Q16	19.08	19.12	19.00	19.50
5	1	LOW	64QAM	19.05	**19.44**	18.71	19.50
		MID	64QAM	19.18	19.01	19.25	19.50
		HIGH	64QAM	18.94	19.29	19.01	19.50
	12	LOW	64QAM	19.07	18.79	18.93	19.50
		MID	64QAM	18.80	19.10	19.10	19.50
		HIGH	64QAM	18.96	19.00	18.99	19.50
	25	LOW	64QAM	18.74	18.80	18.84	19.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	132022	132322	132622	Tune-up power(dBm)
10	1	LOW	QPSK	19.09	19.01	19.08	19.50
		MID	QPSK	19.05	19.10	19.15	19.50
		HIGH	QPSK	19.00	19.12	**19.16**	19.50
	25	LOW	QPSK	18.92	19.04	19.03	19.50
		MID	QPSK	19.05	19.03	19.12	19.50
		HIGH	QPSK	19.10	19.01	19.03	19.50
	50	LOW	QPSK	19.07	19.05	19.03	19.50
10	1	LOW	Q16	19.04	19.35	19.09	19.50
		MID	Q16	19.03	**19.46**	19.16	19.50
		HIGH	Q16	19.04	19.44	19.17	19.50
	25	LOW	Q16	18.97	19.07	19.13	19.50
		MID	Q16	19.08	19.13	19.22	19.50
		HIGH	Q16	19.14	19.06	19.16	19.50
	50	LOW	Q16	19.02	19.10	19.04	19.50
10	1	LOW	64QAM	18.81	**19.26**	18.94	19.50
		MID	64QAM	18.85	19.15	18.97	19.50
		HIGH	64QAM	18.94	19.09	18.82	19.50
	25	LOW	64QAM	18.60	19.03	19.03	19.50
		MID	64QAM	19.03	19.03	19.10	19.50
		HIGH	64QAM	19.10	18.76	18.87	19.50
	50	LOW	64QAM	18.66	18.97	18.97	19.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	132047	132322	132597	Tune-up power(dBm)
15	1	LOW	QPSK	18.94	18.96	19.02	19.50
		MID	QPSK	19.08	19.11	**19.19**	19.50
		HIGH	QPSK	18.98	18.97	19.14	19.50
	36	LOW	QPSK	18.97	19.06	19.06	19.50
		MID	QPSK	19.02	19.07	19.12	19.50
		HIGH	QPSK	19.14	19.06	19.11	19.50
	75	LOW	QPSK	19.03	19.12	19.07	19.50
15	1	LOW	Q16	18.98	19.35	19.09	19.50
		MID	Q16	19.05	**19.48**	19.20	19.50
		HIGH	Q16	18.94	19.40	19.13	19.50
	36	LOW	Q16	18.97	19.09	19.05	19.50
		MID	Q16	19.04	19.10	19.08	19.50
		HIGH	Q16	19.09	19.11	19.08	19.50
	75	LOW	Q16	18.99	19.10	19.05	19.50
15	1	LOW	64QAM	18.65	18.99	18.94	19.50
		MID	64QAM	18.93	19.10	18.96	19.50
		HIGH	64QAM	18.76	**19.24**	18.89	19.50
	36	LOW	64QAM	18.61	18.76	18.80	19.50
		MID	64QAM	18.85	19.08	19.00	19.50
		HIGH	64QAM	19.04	18.82	18.97	19.50
	75	LOW	64QAM	18.87	18.82	18.94	19.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	132072	132322	132572	Tune-up power(dBm)
20	1	LOW	QPSK	18.95	18.90	18.89	19.50
		MID	QPSK	19.10	**19.14**	19.13	19.50
		HIGH	QPSK	18.97	19.07	19.03	19.50
	50	LOW	QPSK	18.91	19.05	19.00	19.50
		MID	QPSK	19.03	19.13	19.11	19.50
		HIGH	QPSK	19.11	19.01	19.08	19.50
	100	LOW	QPSK	19.04	19.07	19.00	19.50
20	1	LOW	Q16	19.43	19.33	19.29	19.50
		MID	Q16	19.43	19.41	19.38	19.50
		HIGH	Q16	**19.45**	19.40	19.44	19.50
	50	LOW	Q16	18.95	19.13	19.05	19.50
		MID	Q16	19.10	19.14	19.10	19.50
		HIGH	Q16	19.20	19.09	19.02	19.50
	100	LOW	Q16	19.02	19.08	19.01	19.50
20	1	LOW	64QAM	19.23	19.23	19.01	19.50
		MID	64QAM	19.09	19.21	19.34	19.50
		HIGH	64QAM	**19.44**	19.19	19.20	19.50
	50	LOW	64QAM	18.60	19.08	18.76	19.50
		MID	64QAM	19.05	18.92	18.96	19.50
		HIGH	64QAM	18.87	18.87	18.71	19.50
	100	LOW	64QAM	18.71	19.05	18.96	19.50

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Bandwidth (MHz)	RB Size	RB offest	Modulation	131979	132322	132665	Tune-up power(dBm)
1.4	1	LOW	QPSK	17.93	17.88	17.96	18.50
		MID	QPSK	17.99	17.95	18.05	18.50
		HIGH	QPSK	17.91	17.85	17.93	18.50
	3	LOW	QPSK	18.10	18.00	18.08	18.50
		MID	QPSK	18.07	17.99	**18.13**	18.50
		HIGH	QPSK	18.02	17.99	18.09	18.50
	6	LOW	QPSK	18.07	18.05	18.12	18.50
1.4	1	LOW	Q16	18.08	18.24	17.93	18.50
		MID	Q16	18.17	18.29	18.06	18.50
		HIGH	Q16	18.01	18.27	18.02	18.50
	3	LOW	Q16	18.10	18.19	18.24	18.50
		MID	Q16	18.10	18.20	18.26	18.50
		HIGH	Q16	18.09	18.18	18.23	18.50
	6	LOW	Q16	18.24	17.94	**18.31**	18.50
1.4	1	LOW	64QAM	18.04	17.89	17.74	18.50
		MID	64QAM	18.08	17.92	17.68	18.50
		HIGH	64QAM	17.93	**18.10**	17.94	18.50
	3	LOW	64QAM	17.84	18.04	17.91	18.50
		MID	64QAM	17.97	18.02	17.91	18.50
		HIGH	64QAM	17.95	17.91	17.92	18.50
	6	LOW	64QAM	18.09	17.91	18.10	18.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	131987	132322	132657	Tune-up power(dBm)
3	1	LOW	QPSK	17.74	17.74	17.74	18.50
		MID	QPSK	17.84	17.79	17.92	18.50
		HIGH	QPSK	17.70	17.75	17.77	18.50
	8	LOW	QPSK	17.98	17.96	18.06	18.50
		MID	QPSK	18.03	18.00	**18.10**	18.50
		HIGH	QPSK	17.92	17.95	18.03	18.50
	15	LOW	QPSK	17.93	17.91	18.02	18.50
3	1	LOW	Q16	17.75	18.08	17.82	18.50
		MID	Q16	17.82	**18.22**	17.96	18.50
		HIGH	Q16	17.65	18.13	17.86	18.50
	8	LOW	Q16	18.11	18.04	18.03	18.50
		MID	Q16	18.16	18.13	18.14	18.50
		HIGH	Q16	18.09	18.01	18.08	18.50
	15	LOW	Q16	17.96	17.90	17.94	18.50
3	1	LOW	64QAM	17.70	17.79	17.59	18.50
		MID	64QAM	17.76	17.93	17.77	18.50
		HIGH	64QAM	17.33	17.96	17.50	18.50
	8	LOW	64QAM	17.73	17.82	17.86	18.50
		MID	64QAM	17.80	17.93	17.87	18.50
		HIGH	64QAM	**18.07**	17.97	18.06	18.50
	15	LOW	64QAM	17.77	17.53	17.92	18.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	131997	132322	132647	Tune-up power(dBm)
5	1	LOW	QPSK	18.03	17.98	17.96	18.50
		MID	QPSK	18.14	18.16	**18.19**	18.50
		HIGH	QPSK	17.98	17.99	18.04	18.50
	12	LOW	QPSK	17.94	18.00	18.01	18.50
		MID	QPSK	18.10	18.07	18.18	18.50
		HIGH	QPSK	18.05	17.97	18.06	18.50
	25	LOW	QPSK	18.03	17.99	18.06	18.50
5	1	LOW	Q16	18.23	**18.45**	18.08	18.50
		MID	Q16	18.35	18.17	18.27	18.50
		HIGH	Q16	18.16	18.44	18.18	18.50
	12	LOW	Q16	18.08	18.14	18.08	18.50
		MID	Q16	18.14	18.20	18.20	18.50
		HIGH	Q16	18.13	18.10	18.08	18.50
	25	LOW	Q16	18.10	18.10	18.04	18.50
5	1	LOW	64QAM	17.96	18.25	17.87	18.50
		MID	64QAM	**18.33**	17.86	18.19	18.50
		HIGH	64QAM	17.93	18.09	17.79	18.50
	12	LOW	64QAM	17.94	17.85	17.78	18.50
		MID	64QAM	18.03	18.02	18.01	18.50
		HIGH	64QAM	18.11	17.85	17.70	18.50
	25	LOW	64QAM	17.78	18.02	17.67	18.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	132022	132322	132622	Tune-up power(dBm)
10	1	LOW	QPSK	18.05	18.03	18.05	18.50
		MID	QPSK	18.05	18.11	18.11	18.50
		HIGH	QPSK	18.05	18.10	**18.15**	18.50
	25	LOW	QPSK	17.92	18.02	18.02	18.50
		MID	QPSK	18.01	18.06	18.13	18.50
		HIGH	QPSK	18.08	18.01	18.03	18.50
	50	LOW	QPSK	18.06	18.06	18.02	18.50
10	1	LOW	Q16	18.04	18.35	18.05	18.50
		MID	Q16	18.03	**18.48**	18.11	18.50
		HIGH	Q16	18.03	18.45	18.15	18.50
	25	LOW	Q16	18.03	18.09	18.13	18.50
		MID	Q16	18.09	18.13	18.20	18.50
		HIGH	Q16	18.13	18.07	18.13	18.50
	50	LOW	Q16	18.03	18.05	18.08	18.50
10	1	LOW	64QAM	17.74	18.01	17.93	18.50
		MID	64QAM	17.83	**18.41**	17.84	18.50
		HIGH	64QAM	17.77	18.30	17.84	18.50
	25	LOW	64QAM	17.78	17.84	18.01	18.50
		MID	64QAM	17.90	18.06	17.95	18.50
		HIGH	64QAM	17.87	17.71	18.02	18.50
	50	LOW	64QAM	17.91	17.67	17.70	18.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	132047	132322	132597	Tune-up power(dBm)
15	1	LOW	QPSK	17.98	17.95	18.00	18.50
		MID	QPSK	18.02	18.11	**18.13**	18.50
		HIGH	QPSK	17.96	18.02	18.11	18.50
	36	LOW	QPSK	17.93	18.07	18.03	18.50
		MID	QPSK	18.03	18.06	18.12	18.50
		HIGH	QPSK	18.09	18.01	18.12	18.50
	75	LOW	QPSK	18.04	18.08	18.09	18.50
15	1	LOW	Q16	17.93	18.31	18.04	18.50
		MID	Q16	18.02	**18.46**	18.18	18.50
		HIGH	Q16	17.91	18.40	18.13	18.50
	36	LOW	Q16	17.97	18.10	18.01	18.50
		MID	Q16	18.04	18.14	18.11	18.50
		HIGH	Q16	18.09	18.07	18.08	18.50
	75	LOW	Q16	18.01	18.09	18.05	18.50
15	1	LOW	64QAM	17.65	18.04	17.66	18.50
		MID	64QAM	17.65	18.15	18.06	18.50
		HIGH	64QAM	17.88	**18.21**	17.86	18.50
	36	LOW	64QAM	17.68	17.73	17.70	18.50
		MID	64QAM	17.86	17.76	18.01	18.50
		HIGH	64QAM	17.86	17.92	17.92	18.50
	75	LOW	64QAM	17.98	17.78	17.85	18.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	132072	132322	132572	Tune-up power(dBm)
20	1	LOW	QPSK	17.93	17.88	17.85	18.50
		MID	QPSK	18.15	**18.16**	18.12	18.50
		HIGH	QPSK	17.95	18.06	18.03	18.50
	50	LOW	QPSK	17.83	18.12	18.00	18.50
		MID	QPSK	18.06	18.13	18.10	18.50
		HIGH	QPSK	18.12	18.03	18.03	18.50
	100	LOW	QPSK	18.03	18.05	17.99	18.50
20	1	LOW	Q16	18.39	18.34	18.31	18.50
		MID	Q16	18.40	18.41	18.36	18.50
		HIGH	Q16	**18.43**	18.42	18.42	18.50
	50	LOW	Q16	17.90	18.05	17.96	18.50
		MID	Q16	18.06	18.12	18.08	18.50
		HIGH	Q16	18.12	18.06	18.02	18.50
	100	LOW	Q16	18.02	18.06	18.00	18.50
20	1	LOW	64QAM	18.12	18.17	17.95	18.50
		MID	64QAM	18.03	18.28	18.26	18.50
		HIGH	64QAM	**18.30**	18.07	18.10	18.50
	50	LOW	64QAM	17.84	17.70	17.90	18.50
		MID	64QAM	17.96	17.94	17.81	18.50
		HIGH	64QAM	18.02	17.91	17.85	18.50
	100	LOW	64QAM	17.73	17.94	17.82	18.50

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Bandwidth (MHz)	RB Size	RB offest	Modulation	131979	132322	132665	Tune-up power(dBm)
1.4	1	LOW	QPSK	21.53	21.39	21.54	22.00
		MID	QPSK	21.57	21.49	21.59	22.00
		HIGH	QPSK	21.50	21.40	21.52	22.00
	3	LOW	QPSK	21.61	21.50	21.65	22.00
		MID	QPSK	21.64	21.54	21.66	22.00
		HIGH	QPSK	21.57	21.55	21.67	22.00
	6	LOW	QPSK	21.65	21.57	**21.69**	22.00
1.4	1	LOW	Q16	21.61	21.77	21.50	22.00
		MID	Q16	21.68	21.80	21.57	22.00
		HIGH	Q16	21.62	21.78	21.52	22.00
	3	LOW	Q16	21.63	21.73	21.74	22.00
		MID	Q16	21.66	21.69	21.77	22.00
		HIGH	Q16	21.65	21.71	21.75	22.00
	6	LOW	Q16	21.78	21.50	**21.83**	22.00
1.4	1	LOW	64QAM	21.36	21.67	21.31	22.00
		MID	64QAM	21.54	21.58	21.23	22.00
		HIGH	64QAM	21.52	**21.75**	21.42	22.00
	3	LOW	64QAM	21.46	21.34	21.55	22.00
		MID	64QAM	21.34	21.38	21.61	22.00
		HIGH	64QAM	21.54	21.45	21.65	22.00
	6	LOW	64QAM	20.89	20.55	20.97	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	131987	132322	132657	Tune-up power(dBm)
3	1	LOW	QPSK	21.32	21.28	21.36	22.00
		MID	QPSK	21.41	21.41	21.50	22.00
		HIGH	QPSK	21.28	21.24	21.37	22.00
	8	LOW	QPSK	21.58	21.54	21.61	22.00
		MID	QPSK	21.60	21.56	**21.65**	22.00
		HIGH	QPSK	21.54	21.51	21.58	22.00
	15	LOW	QPSK	21.50	21.45	21.60	22.00
3	1	LOW	Q16	21.27	21.64	21.38	22.00
		MID	Q16	21.35	**21.70**	21.47	22.00
		HIGH	Q16	21.22	21.65	21.35	22.00
	8	LOW	Q16	21.66	21.58	21.62	22.00
		MID	Q16	**21.70**	21.61	21.68	22.00
		HIGH	Q16	21.63	21.56	21.60	22.00
	15	LOW	Q16	21.54	21.47	21.49	22.00
3	1	LOW	64QAM	20.98	**21.62**	21.14	22.00
		MID	64QAM	21.30	21.43	21.27	22.00
		HIGH	64QAM	20.88	21.54	21.22	22.00
	8	LOW	64QAM	20.56	20.60	20.50	21.50
		MID	64QAM	20.64	20.58	20.62	21.50
		HIGH	64QAM	20.53	20.70	20.71	21.50
	15	LOW	64QAM	20.38	20.48	20.57	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	131997	132322	132647	Tune-up power(dBm)
5	1	LOW	QPSK	21.58	21.53	21.55	22.00
		MID	QPSK	**21.71**	21.69	**21.71**	22.00
		HIGH	QPSK	21.51	21.52	21.60	22.00
	12	LOW	QPSK	21.54	21.51	21.58	22.00
		MID	QPSK	21.65	21.62	21.69	22.00
		HIGH	QPSK	21.59	21.53	21.61	22.00
	25	LOW	QPSK	21.57	21.56	21.57	22.00
5	1	LOW	Q16	21.76	**21.96**	21.63	22.00
		MID	Q16	21.89	21.87	21.83	22.00
		HIGH	Q16	21.72	21.95	21.71	22.00
	12	LOW	Q16	21.58	21.65	21.61	22.00
		MID	Q16	21.71	21.75	21.73	22.00
		HIGH	Q16	21.65	21.64	21.63	22.00
	25	LOW	Q16	21.62	21.65	21.53	22.00
5	1	LOW	64QAM	21.45	**21.71**	21.46	22.00
		MID	64QAM	21.69	21.57	21.70	22.00
		HIGH	64QAM	21.63	21.60	21.58	22.00
	12	LOW	64QAM	20.51	20.61	20.52	21.50
		MID	64QAM	20.77	20.56	20.63	21.50
		HIGH	64QAM	20.47	20.54	20.48	21.50
	25	LOW	64QAM	20.71	20.76	20.54	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	132022	132322	132622	Tune-up power(dBm)
10	1	LOW	QPSK	21.61	21.56	21.61	22.00
		MID	QPSK	21.61	21.59	**21.68**	22.00
		HIGH	QPSK	21.63	21.60	21.67	22.00
	25	LOW	QPSK	21.43	21.55	21.59	22.00
		MID	QPSK	21.63	21.62	21.66	22.00
		HIGH	QPSK	21.66	21.60	21.59	22.00
	50	LOW	QPSK	21.60	21.58	21.57	22.00
10	1	LOW	Q16	21.56	21.88	21.60	22.00
		MID	Q16	21.55	**21.89**	21.66	22.00
		HIGH	Q16	21.55	21.81	21.66	22.00
	25	LOW	Q16	21.52	21.54	21.71	22.00
		MID	Q16	21.66	21.67	21.74	22.00
		HIGH	Q16	21.65	21.65	21.68	22.00
	50	LOW	Q16	21.54	21.59	21.58	22.00
10	1	LOW	64QAM	21.22	21.59	21.29	22.00
		MID	64QAM	21.16	**21.62**	21.33	22.00
		HIGH	64QAM	21.19	21.51	21.28	22.00
	25	LOW	64QAM	20.57	20.40	20.84	21.50
		MID	64QAM	20.59	20.59	20.91	21.50
		HIGH	64QAM	20.72	20.81	20.69	21.50
	50	LOW	64QAM	20.55	20.70	20.48	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	132047	132322	132597	Tune-up power(dBm)
15	1	LOW	QPSK	21.52	21.53	21.58	22.00
		MID	QPSK	21.62	21.64	**21.67**	22.00
		HIGH	QPSK	21.53	21.57	21.65	22.00
	36	LOW	QPSK	21.48	21.62	21.58	22.00
		MID	QPSK	21.58	21.66	21.65	22.00
		HIGH	QPSK	21.64	21.61	21.66	22.00
	75	LOW	QPSK	21.58	21.66	21.65	22.00
15	1	LOW	Q16	21.47	21.84	**21.98**	22.00
		MID	Q16	21.55	21.95	21.88	22.00
		HIGH	Q16	21.42	21.92	21.97	22.00
	36	LOW	Q16	21.49	21.60	21.60	22.00
		MID	Q16	21.59	21.67	21.64	22.00
		HIGH	Q16	21.63	21.62	21.60	22.00
	75	LOW	Q16	21.58	21.63	21.59	22.00
15	1	LOW	64QAM	21.10	21.74	**21.87**	22.00
		MID	64QAM	21.50	21.79	21.54	22.00
		HIGH	64QAM	21.06	21.83	21.74	22.00
	36	LOW	64QAM	20.47	20.77	20.45	21.50
		MID	64QAM	20.75	20.76	20.72	21.50
		HIGH	64QAM	20.45	20.59	20.53	21.50
	75	LOW	64QAM	20.65	20.56	20.78	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	132072	132322	132572	Tune-up power(dBm)
20	1	LOW	QPSK	21.49	21.45	21.41	22.00
		MID	QPSK	21.66	21.64	21.67	22.00
		HIGH	QPSK	21.54	21.60	21.55	22.00
	50	LOW	QPSK	21.41	21.63	21.51	22.00
		MID	QPSK	21.60	21.65	**21.68**	22.00
		HIGH	QPSK	21.65	21.60	21.58	22.00
	100	LOW	QPSK	21.61	21.62	21.58	22.00
20	1	LOW	Q16	**21.97**	21.81	21.80	22.00
		MID	Q16	21.94	21.84	21.87	22.00
		HIGH	Q16	21.96	21.82	21.91	22.00
	50	LOW	Q16	21.45	21.62	21.52	22.00
		MID	Q16	21.63	21.66	21.61	22.00
		HIGH	Q16	21.65	21.61	21.54	22.00
	100	LOW	Q16	21.54	21.59	21.53	22.00
20	1	LOW	64QAM	21.68	21.73	21.47	22.00
		MID	64QAM	21.62	21.47	21.76	22.00
		HIGH	64QAM	**21.83**	21.69	21.63	22.00
	50	LOW	64QAM	20.37	20.61	20.48	21.50
		MID	64QAM	20.72	20.74	20.77	21.50
		HIGH	64QAM	20.49	20.48	20.51	21.50
	100	LOW	64QAM	20.57	20.53	20.63	21.50

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Bandwidth (MHz)	RB Size	RB offest	Modulation	131979	132322	132665	Tune-up power(dBm)
1.4	1	LOW	QPSK	20.50	20.39	20.45	21.00
		MID	QPSK	20.54	20.48	20.57	21.00
		HIGH	QPSK	20.43	20.42	20.51	21.00
	3	LOW	QPSK	20.57	20.51	20.64	21.00
		MID	QPSK	20.59	20.54	20.65	21.00
		HIGH	QPSK	20.57	20.53	20.65	21.00
	6	LOW	QPSK	20.64	20.58	**20.67**	21.00
1.4	1	LOW	Q16	20.57	20.78	20.51	21.00
		MID	Q16	20.67	20.82	20.60	21.00
		HIGH	Q16	20.55	20.74	20.53	21.00
	3	LOW	Q16	20.65	20.69	20.75	21.00
		MID	Q16	20.64	20.73	20.78	21.00
		HIGH	Q16	20.62	20.71	20.76	21.00
	6	LOW	Q16	20.78	20.52	**20.83**	21.00
1.4	1	LOW	64QAM	20.43	20.52	20.20	21.00
		MID	64QAM	20.34	**20.80**	20.42	21.00
		HIGH	64QAM	20.29	20.41	20.35	21.00
	3	LOW	64QAM	20.63	20.35	20.71	21.00
		MID	64QAM	20.29	20.56	20.46	21.00
		HIGH	64QAM	20.56	20.49	20.45	21.00
	6	LOW	64QAM	20.75	20.41	20.49	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	131987	132322	132657	Tune-up power(dBm)
3	1	LOW	QPSK	20.25	20.26	20.36	21.00
		MID	QPSK	20.38	20.40	20.47	21.00
		HIGH	QPSK	20.29	20.22	20.38	21.00
	8	LOW	QPSK	20.49	20.49	20.62	21.00
		MID	QPSK	20.56	20.53	**20.64**	21.00
		HIGH	QPSK	20.49	20.48	20.57	21.00
	15	LOW	QPSK	20.47	20.46	20.54	21.00
3	1	LOW	Q16	20.30	20.67	20.38	21.00
		MID	Q16	20.35	**20.74**	20.47	21.00
		HIGH	Q16	20.23	20.62	20.40	21.00
	8	LOW	Q16	20.60	20.58	20.62	21.00
		MID	Q16	20.68	20.65	20.68	21.00
		HIGH	Q16	20.61	20.55	20.60	21.00
	15	LOW	Q16	20.54	20.48	20.51	21.00
3	1	LOW	64QAM	20.18	20.45	20.10	21.00
		MID	64QAM	20.23	20.59	20.35	21.00
		HIGH	64QAM	20.02	20.39	20.02	21.00
	8	LOW	64QAM	20.57	20.36	20.30	21.00
		MID	64QAM	**20.67**	20.37	20.48	21.00
		HIGH	64QAM	20.59	20.45	20.42	21.00
	15	LOW	64QAM	20.17	20.32	20.15	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	131997	132322	132647	Tune-up power(dBm)
5	1	LOW	QPSK	20.56	20.51	20.51	21.00
		MID	QPSK	**20.72**	20.67	20.70	21.00
		HIGH	QPSK	20.54	20.49	20.58	21.00
	12	LOW	QPSK	20.51	20.51	20.54	21.00
		MID	QPSK	20.65	20.58	20.66	21.00
		HIGH	QPSK	20.55	20.53	20.60	21.00
	25	LOW	QPSK	20.60	20.51	20.53	21.00
5	1	LOW	Q16	20.75	20.81	20.62	21.00
		MID	Q16	20.81	**20.86**	20.82	21.00
		HIGH	Q16	20.73	20.80	20.72	21.00
	12	LOW	Q16	20.63	20.69	20.62	21.00
		MID	Q16	20.72	20.74	20.74	21.00
		HIGH	Q16	20.64	20.66	20.59	21.00
	25	LOW	Q16	20.63	20.67	20.53	21.00
5	1	LOW	64QAM	20.49	20.69	20.56	21.00
		MID	64QAM	20.69	20.55	**20.76**	21.00
		HIGH	64QAM	20.63	20.64	20.42	21.00
	12	LOW	64QAM	20.36	20.34	20.47	21.00
		MID	64QAM	20.34	20.63	20.38	21.00
		HIGH	64QAM	20.28	20.30	20.43	21.00
	25	LOW	64QAM	20.58	20.46	20.23	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	132022	132322	132622	Tune-up power(dBm)
10	1	LOW	QPSK	20.60	20.53	20.60	21.00
		MID	QPSK	20.58	20.62	20.66	21.00
		HIGH	QPSK	20.59	20.59	**20.70**	21.00
	25	LOW	QPSK	20.50	20.51	20.53	21.00
		MID	QPSK	20.53	20.60	20.64	21.00
		HIGH	QPSK	20.60	20.54	20.56	21.00
	50	LOW	QPSK	20.53	20.57	20.55	21.00
10	1	LOW	Q16	20.56	**20.90**	20.59	21.00
		MID	Q16	20.57	20.89	20.65	21.00
		HIGH	Q16	20.56	**20.90**	20.66	21.00
	25	LOW	Q16	20.55	20.61	20.64	21.00
		MID	Q16	20.63	20.66	20.76	21.00
		HIGH	Q16	20.62	20.63	20.64	21.00
	50	LOW	Q16	20.57	20.61	20.56	21.00
10	1	LOW	64QAM	20.40	**20.86**	20.36	21.00
		MID	64QAM	20.21	20.56	20.47	21.00
		HIGH	64QAM	20.46	20.54	20.38	21.00
	25	LOW	64QAM	20.22	20.28	20.59	21.00
		MID	64QAM	20.59	20.39	20.62	21.00
		HIGH	64QAM	20.45	20.42	20.37	21.00
	50	LOW	64QAM	20.49	20.27	20.46	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	132047	132322	132597	Tune-up power(dBm)
15	1	LOW	QPSK	20.49	20.54	20.55	21.00
		MID	QPSK	20.58	20.60	**20.67**	21.00
		HIGH	QPSK	20.49	20.57	20.59	21.00
	36	LOW	QPSK	20.47	20.58	20.54	21.00
		MID	QPSK	20.56	20.62	20.64	21.00
		HIGH	QPSK	20.62	20.56	20.65	21.00
	75	LOW	QPSK	20.56	20.63	20.61	21.00
15	1	LOW	Q16	20.50	20.87	**20.96**	21.00
		MID	Q16	20.57	20.63	20.69	21.00
		HIGH	Q16	20.46	20.54	20.65	21.00
	36	LOW	Q16	20.47	20.63	20.58	21.00
		MID	Q16	20.55	20.69	20.60	21.00
		HIGH	Q16	20.62	20.63	20.62	21.00
	75	LOW	Q16	20.55	20.63	20.58	21.00
15	1	LOW	64QAM	20.19	**20.82**	20.59	21.00
		MID	64QAM	20.32	20.54	20.67	21.00
		HIGH	64QAM	20.41	20.39	20.32	21.00
	36	LOW	64QAM	20.43	20.27	20.45	21.00
		MID	64QAM	20.17	20.52	20.33	21.00
		HIGH	64QAM	20.26	20.52	20.54	21.00
	75	LOW	64QAM	20.28	20.28	20.57	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	132072	132322	132572	Tune-up power(dBm)
20	1	LOW	QPSK	20.48	20.44	20.41	21.00
		MID	QPSK	20.65	**20.68**	20.65	21.00
		HIGH	QPSK	20.49	20.55	20.56	21.00
	50	LOW	QPSK	20.40	20.59	20.53	21.00
		MID	QPSK	20.55	20.67	20.64	21.00
		HIGH	QPSK	20.65	20.57	20.55	21.00
	100	LOW	QPSK	20.52	20.60	20.53	21.00
20	1	LOW	Q16	20.94	20.87	20.86	21.00
		MID	Q16	20.84	20.81	20.79	21.00
		HIGH	Q16	20.89	20.87	**20.96**	21.00
	50	LOW	Q16	20.46	20.62	20.51	21.00
		MID	Q16	20.61	20.69	20.63	21.00
		HIGH	Q16	20.64	20.65	20.56	21.00
	100	LOW	Q16	20.60	20.62	20.53	21.00
20	1	LOW	64QAM	**20.84**	20.66	20.81	21.00
		MID	64QAM	20.46	20.43	20.65	21.00
		HIGH	64QAM	20.70	20.65	20.58	21.00
	50	LOW	64QAM	20.15	20.54	20.17	21.00
		MID	64QAM	20.57	20.50	20.25	21.00
		HIGH	64QAM	20.57	20.40	20.30	21.00
	100	LOW	64QAM	20.39	20.31	20.24	21.00

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Bandwidth (MHz)	RB Size	RB offest	Modulation	131979	132322	132665	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.42	23.38	23.54	24.00
		MID	QPSK	23.46	23.46	23.64	24.00
		HIGH	QPSK	23.38	23.42	23.55	24.00
	3	LOW	QPSK	23.50	23.46	23.63	24.00
		MID	QPSK	23.53	23.54	**23.65**	24.00
		HIGH	QPSK	23.47	23.48	23.61	24.00
	6	LOW	QPSK	22.54	22.55	22.68	23.00
1.4	1	LOW	Q16	22.53	22.65	22.45	23.00
		MID	Q16	22.56	**22.73**	22.52	23.00
		HIGH	Q16	22.45	22.66	22.46	23.00
	3	LOW	Q16	22.54	22.59	22.66	23.00
		MID	Q16	22.54	22.59	22.71	23.00
		HIGH	Q16	22.50	22.62	22.68	23.00
	6	LOW	Q16	21.75	21.49	21.87	22.00
1.4	1	LOW	64QAM	21.40	21.65	21.24	22.00
		MID	64QAM	21.35	**21.81**	21.59	22.00
		HIGH	64QAM	21.52	21.63	21.53	22.00
	3	LOW	64QAM	21.44	21.34	21.53	22.00
		MID	64QAM	21.33	21.34	21.56	22.00
		HIGH	64QAM	21.54	21.60	21.75	22.00
	6	LOW	64QAM	20.56	20.24	20.96	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	131987	132322	132657	Tune-up power(dBm)
3	1	LOW	QPSK	23.19	23.26	23.35	24.00
		MID	QPSK	23.29	23.38	**23.52**	24.00
		HIGH	QPSK	23.19	23.23	23.39	24.00
	8	LOW	QPSK	22.46	22.49	22.57	23.00
		MID	QPSK	22.49	22.54	22.59	23.00
		HIGH	QPSK	22.46	22.48	22.55	23.00
	15	LOW	QPSK	22.40	22.42	22.53	23.00
3	1	LOW	Q16	22.16	22.53	22.32	23.00
		MID	Q16	22.28	**22.65**	22.41	23.00
		HIGH	Q16	22.13	22.53	22.31	23.00
	8	LOW	Q16	21.63	21.58	21.62	22.00
		MID	Q16	21.63	21.63	21.68	22.00
		HIGH	Q16	21.61	21.55	21.63	22.00
	15	LOW	Q16	21.48	21.47	21.51	22.00
3	1	LOW	64QAM	20.96	21.47	21.38	22.00
		MID	64QAM	21.16	**21.59**	21.19	22.00
		HIGH	64QAM	20.87	21.50	21.07	22.00
	8	LOW	64QAM	20.40	20.48	20.55	21.50
		MID	64QAM	20.72	20.53	20.58	21.50
		HIGH	64QAM	20.64	20.56	20.72	21.50
	15	LOW	64QAM	20.30	20.20	20.54	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	131997	132322	132647	Tune-up power(dBm)
5	1	LOW	QPSK	23.47	23.46	23.49	24.00
		MID	QPSK	23.61	23.60	**23.68**	24.00
		HIGH	QPSK	23.45	23.47	23.58	24.00
	12	LOW	QPSK	22.45	22.44	22.52	23.00
		MID	QPSK	22.54	22.53	22.64	23.00
		HIGH	QPSK	22.48	22.46	22.58	23.00
	25	LOW	QPSK	22.48	22.45	22.51	23.00
5	1	LOW	Q16	22.62	22.87	22.53	23.00
		MID	Q16	22.75	**22.91**	22.72	23.00
		HIGH	Q16	22.61	22.85	22.62	23.00
	12	LOW	Q16	21.54	21.65	21.57	22.00
		MID	Q16	21.66	21.72	21.70	22.00
		HIGH	Q16	21.62	21.60	21.63	22.00
	25	LOW	Q16	21.58	21.62	21.54	22.00
5	1	LOW	64QAM	21.44	21.90	21.55	22.00
		MID	64QAM	21.84	21.86	21.48	22.00
		HIGH	64QAM	21.59	**21.94**	21.35	22.00
	12	LOW	64QAM	20.52	20.47	20.49	21.50
		MID	64QAM	20.73	20.59	20.73	21.50
		HIGH	64QAM	20.59	20.60	20.54	21.50
	25	LOW	64QAM	20.42	20.70	20.25	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	132022	132322	132622	Tune-up power(dBm)
10	1	LOW	QPSK	23.53	23.53	23.56	24.00
		MID	QPSK	23.55	23.55	23.66	24.00
		HIGH	QPSK	23.53	23.50	**23.71**	24.00
	25	LOW	QPSK	22.43	22.46	22.55	23.00
		MID	QPSK	22.49	22.50	22.62	23.00
		HIGH	QPSK	22.56	22.47	22.52	23.00
	50	LOW	QPSK	22.50	22.48	22.55	23.00
10	1	LOW	Q16	22.47	22.76	22.53	23.00
		MID	Q16	22.47	22.83	22.58	23.00
		HIGH	Q16	22.45	**22.86**	22.60	23.00
	25	LOW	Q16	21.50	21.53	21.68	22.00
		MID	Q16	21.58	21.61	21.78	22.00
		HIGH	Q16	21.62	21.57	21.68	22.00
	50	LOW	Q16	21.51	21.55	21.58	22.00
10	1	LOW	64QAM	21.21	21.65	21.34	22.00
		MID	64QAM	21.29	**21.91**	21.51	22.00
		HIGH	64QAM	21.31	**21.91**	21.57	22.00
	25	LOW	64QAM	20.56	20.57	20.42	21.50
		MID	64QAM	20.62	20.49	20.54	21.50
		HIGH	64QAM	20.36	20.50	20.64	21.50
	50	LOW	64QAM	20.44	20.51	20.34	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	132047	132322	132597	Tune-up power(dBm)
15	1	LOW	QPSK	23.45	23.51	23.54	24.00
		MID	QPSK	23.53	23.56	**23.68**	24.00
		HIGH	QPSK	23.46	23.52	23.66	24.00
	36	LOW	QPSK	22.42	22.57	22.56	23.00
		MID	QPSK	22.51	22.63	22.63	23.00
		HIGH	QPSK	22.56	22.54	22.64	23.00
	75	LOW	QPSK	22.53	22.63	22.61	23.00
15	1	LOW	Q16	22.38	22.70	22.89	23.00
		MID	Q16	22.48	22.86	**22.99**	23.00
		HIGH	Q16	22.36	22.77	22.88	23.00
	36	LOW	Q16	21.47	21.58	21.58	22.00
		MID	Q16	21.54	21.65	21.61	22.00
		HIGH	Q16	21.59	21.63	21.61	22.00
	75	LOW	Q16	21.55	21.62	21.64	22.00
15	1	LOW	64QAM	21.25	21.69	21.76	22.00
		MID	64QAM	21.45	21.76	**21.90**	22.00
		HIGH	64QAM	21.22	21.84	21.67	22.00
	36	LOW	64QAM	20.37	20.35	20.66	21.50
		MID	64QAM	20.32	20.69	20.65	21.50
		HIGH	64QAM	20.59	20.50	20.57	21.50
	75	LOW	64QAM	20.46	20.62	20.61	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	132072	132322	132572	Tune-up power(dBm)
20	1	LOW	QPSK	23.39	23.39	23.34	24.00
		MID	QPSK	23.61	23.62	**23.64**	24.00
		HIGH	QPSK	23.51	23.54	23.54	24.00
	50	LOW	QPSK	22.37	22.55	22.49	23.00
		MID	QPSK	22.52	22.57	22.61	23.00
		HIGH	QPSK	22.61	22.52	22.52	23.00
	100	LOW	QPSK	22.53	22.55	22.54	23.00
20	1	LOW	Q16	22.87	22.67	22.73	23.00
		MID	Q16	22.85	**22.94**	22.83	23.00
		HIGH	Q16	22.88	22.93	22.84	23.00
	50	LOW	Q16	21.43	21.59	21.50	22.00
		MID	Q16	21.58	21.68	21.63	22.00
		HIGH	Q16	21.65	21.62	21.57	22.00
	100	LOW	Q16	21.58	21.58	21.54	22.00
20	1	LOW	64QAM	21.72	21.76	21.58	22.00
		MID	64QAM	21.79	21.84	21.66	22.00
		HIGH	64QAM	**21.90**	21.71	21.83	22.00
	50	LOW	64QAM	20.48	20.61	20.47	21.50
		MID	64QAM	20.67	20.48	20.52	21.50
		HIGH	64QAM	20.64	20.61	20.66	21.50
	100	LOW	64QAM	20.50	20.49	20.63	21.50

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Bandwidth (MHz)	RB Size	RB offest	Modulation	131979	132322	132665	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.42	23.38	23.54	24.00
		MID	QPSK	23.46	23.46	23.64	24.00
		HIGH	QPSK	23.38	23.42	23.55	24.00
	3	LOW	QPSK	23.50	23.46	23.63	24.00
		MID	QPSK	23.53	23.54	**23.65**	24.00
		HIGH	QPSK	23.47	23.48	23.61	24.00
	6	LOW	QPSK	22.54	22.55	22.68	23.00
1.4	1	LOW	Q16	22.53	22.65	22.45	23.00
		MID	Q16	22.56	**22.73**	22.52	23.00
		HIGH	Q16	22.45	22.66	22.46	23.00
	3	LOW	Q16	22.54	22.59	22.66	23.00
		MID	Q16	22.54	22.59	22.71	23.00
		HIGH	Q16	22.50	22.62	22.68	23.00
	6	LOW	Q16	21.75	21.49	21.87	22.00
1.4	1	LOW	64QAM	21.40	21.65	21.24	22.00
		MID	64QAM	21.35	**21.81**	21.59	22.00
		HIGH	64QAM	21.52	21.63	21.53	22.00
	3	LOW	64QAM	21.44	21.34	21.53	22.00
		MID	64QAM	21.33	21.34	21.56	22.00
		HIGH	64QAM	21.54	21.60	21.75	22.00
	6	LOW	64QAM	20.56	20.24	20.96	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	131987	132322	132657	Tune-up power(dBm)
3	1	LOW	QPSK	23.19	23.26	23.35	24.00
		MID	QPSK	23.29	23.38	**23.52**	24.00
		HIGH	QPSK	23.19	23.23	23.39	24.00
	8	LOW	QPSK	22.46	22.49	22.57	23.00
		MID	QPSK	22.49	22.54	22.59	23.00
		HIGH	QPSK	22.46	22.48	22.55	23.00
	15	LOW	QPSK	22.40	22.42	22.53	23.00
3	1	LOW	Q16	22.16	22.53	22.32	23.00
		MID	Q16	22.28	**22.65**	22.41	23.00
		HIGH	Q16	22.13	22.53	22.31	23.00
	8	LOW	Q16	21.63	21.58	21.62	22.00
		MID	Q16	21.63	21.63	21.68	22.00
		HIGH	Q16	21.61	21.55	21.63	22.00
	15	LOW	Q16	21.48	21.47	21.51	22.00
3	1	LOW	64QAM	20.96	21.47	21.38	22.00
		MID	64QAM	21.16	**21.59**	21.19	22.00
		HIGH	64QAM	20.87	21.50	21.07	22.00
	8	LOW	64QAM	20.40	20.48	20.55	21.50
		MID	64QAM	20.72	20.53	20.58	21.50
		HIGH	64QAM	20.64	20.56	20.72	21.50
	15	LOW	64QAM	20.30	20.20	20.54	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	131997	132322	132647	Tune-up power(dBm)
5	1	LOW	QPSK	23.47	23.46	23.49	24.00
		MID	QPSK	23.61	23.60	**23.68**	24.00
		HIGH	QPSK	23.45	23.47	23.58	24.00
	12	LOW	QPSK	22.45	22.44	22.52	23.00
		MID	QPSK	22.54	22.53	22.64	23.00
		HIGH	QPSK	22.48	22.46	22.58	23.00
	25	LOW	QPSK	22.48	22.45	22.51	23.00
5	1	LOW	Q16	22.62	22.87	22.53	23.00
		MID	Q16	22.75	**22.91**	22.72	23.00
		HIGH	Q16	22.61	22.85	22.62	23.00
	12	LOW	Q16	21.54	21.65	21.57	22.00
		MID	Q16	21.66	21.72	21.70	22.00
		HIGH	Q16	21.62	21.60	21.63	22.00
	25	LOW	Q16	21.58	21.62	21.54	22.00
5	1	LOW	64QAM	21.44	21.90	21.55	22.00
		MID	64QAM	21.84	21.86	21.48	22.00
		HIGH	64QAM	21.59	**21.94**	21.35	22.00
	12	LOW	64QAM	20.52	20.47	20.49	21.50
		MID	64QAM	20.73	20.59	20.73	21.50
		HIGH	64QAM	20.59	20.60	20.54	21.50
	25	LOW	64QAM	20.42	20.70	20.25	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	132022	132322	132622	Tune-up power(dBm)
10	1	LOW	QPSK	23.53	23.53	23.56	24.00
		MID	QPSK	23.55	23.55	23.66	24.00
		HIGH	QPSK	23.53	23.50	**23.71**	24.00
	25	LOW	QPSK	22.43	22.46	22.55	23.00
		MID	QPSK	22.49	22.50	22.62	23.00
		HIGH	QPSK	22.56	22.47	22.52	23.00
	50	LOW	QPSK	22.50	22.48	22.55	23.00
10	1	LOW	Q16	22.47	22.76	22.53	23.00
		MID	Q16	22.47	22.83	22.58	23.00
		HIGH	Q16	22.45	**22.86**	22.60	23.00
	25	LOW	Q16	21.50	21.53	21.68	22.00
		MID	Q16	21.58	21.61	21.78	22.00
		HIGH	Q16	21.62	21.57	21.68	22.00
	50	LOW	Q16	21.51	21.55	21.58	22.00
10	1	LOW	64QAM	21.21	21.65	21.34	22.00
		MID	64QAM	21.29	**21.91**	21.51	22.00
		HIGH	64QAM	21.31	**21.91**	21.57	22.00
	25	LOW	64QAM	20.56	20.57	20.42	21.50
		MID	64QAM	20.62	20.49	20.54	21.50
		HIGH	64QAM	20.36	20.50	20.64	21.50
	50	LOW	64QAM	20.44	20.51	20.34	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	132047	132322	132597	Tune-up power(dBm)
15	1	LOW	QPSK	23.45	23.51	23.54	24.00
		MID	QPSK	23.53	23.56	**23.68**	24.00
		HIGH	QPSK	23.46	23.52	23.66	24.00
	36	LOW	QPSK	22.42	22.57	22.56	23.00
		MID	QPSK	22.51	22.63	22.63	23.00
		HIGH	QPSK	22.56	22.54	22.64	23.00
	75	LOW	QPSK	22.53	22.63	22.61	23.00
15	1	LOW	Q16	22.38	22.70	22.89	23.00
		MID	Q16	22.48	22.86	**22.99**	23.00
		HIGH	Q16	22.36	22.77	22.88	23.00
	36	LOW	Q16	21.47	21.58	21.58	22.00
		MID	Q16	21.54	21.65	21.61	22.00
		HIGH	Q16	21.59	21.63	21.61	22.00
	75	LOW	Q16	21.55	21.62	21.64	22.00
15	1	LOW	64QAM	21.25	21.69	21.76	22.00
		MID	64QAM	21.45	21.76	**21.90**	22.00
		HIGH	64QAM	21.22	21.84	21.67	22.00
	36	LOW	64QAM	20.37	20.35	20.66	21.50
		MID	64QAM	20.32	20.69	20.65	21.50
		HIGH	64QAM	20.59	20.50	20.57	21.50
	75	LOW	64QAM	20.46	20.62	20.61	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	132072	132322	132572	Tune-up power(dBm)
20	1	LOW	QPSK	23.39	23.39	23.34	24.00
		MID	QPSK	23.61	23.62	**23.64**	24.00
		HIGH	QPSK	23.51	23.54	23.54	24.00
	50	LOW	QPSK	22.37	22.55	22.49	23.00
		MID	QPSK	22.52	22.57	22.61	23.00
		HIGH	QPSK	22.61	22.52	22.52	23.00
	100	LOW	QPSK	22.53	22.55	22.54	23.00
20	1	LOW	Q16	22.87	22.67	22.73	23.00
		MID	Q16	22.85	**22.94**	22.83	23.00
		HIGH	Q16	22.88	22.93	22.84	23.00
	50	LOW	Q16	21.43	21.59	21.50	22.00
		MID	Q16	21.58	21.68	21.63	22.00
		HIGH	Q16	21.65	21.62	21.57	22.00
	100	LOW	Q16	21.58	21.58	21.54	22.00
20	1	LOW	64QAM	21.72	21.76	21.58	22.00
		MID	64QAM	21.79	21.84	21.66	22.00
		HIGH	64QAM	**21.90**	21.71	21.83	22.00
	50	LOW	64QAM	20.48	20.61	20.47	21.50
		MID	64QAM	20.67	20.48	20.52	21.50
		HIGH	64QAM	20.64	20.61	20.66	21.50
	100	LOW	64QAM	20.50	20.49	20.63	21.50

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Bandwidth (MHz)	RB Size	RB offest	Modulation	131979	132322	132665	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.42	23.38	23.54	24.00
		MID	QPSK	23.46	23.46	23.64	24.00
		HIGH	QPSK	23.38	23.42	23.55	24.00
	3	LOW	QPSK	23.50	23.46	23.63	24.00
		MID	QPSK	23.53	23.54	**23.65**	24.00
		HIGH	QPSK	23.47	23.48	23.61	24.00
	6	LOW	QPSK	22.54	22.55	22.68	23.00
1.4	1	LOW	Q16	22.53	22.65	22.45	23.00
		MID	Q16	22.56	**22.73**	22.52	23.00
		HIGH	Q16	22.45	22.66	22.46	23.00
	3	LOW	Q16	22.54	22.59	22.66	23.00
		MID	Q16	22.54	22.59	22.71	23.00
		HIGH	Q16	22.50	22.62	22.68	23.00
	6	LOW	Q16	21.75	21.49	21.87	22.00
1.4	1	LOW	64QAM	21.40	21.65	21.24	22.00
		MID	64QAM	21.35	**21.81**	21.59	22.00
		HIGH	64QAM	21.52	21.63	21.53	22.00
	3	LOW	64QAM	21.44	21.34	21.53	22.00
		MID	64QAM	21.33	21.34	21.56	22.00
		HIGH	64QAM	21.54	21.60	21.75	22.00
	6	LOW	64QAM	20.56	20.24	20.96	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	131987	132322	132657	Tune-up power(dBm)
3	1	LOW	QPSK	23.19	23.26	23.35	24.00
		MID	QPSK	23.29	23.38	**23.52**	24.00
		HIGH	QPSK	23.19	23.23	23.39	24.00
	8	LOW	QPSK	22.46	22.49	22.57	23.00
		MID	QPSK	22.49	22.54	22.59	23.00
		HIGH	QPSK	22.46	22.48	22.55	23.00
	15	LOW	QPSK	22.40	22.42	22.53	23.00
3	1	LOW	Q16	22.16	22.53	22.32	23.00
		MID	Q16	22.28	**22.65**	22.41	23.00
		HIGH	Q16	22.13	22.53	22.31	23.00
	8	LOW	Q16	21.63	21.58	21.62	22.00
		MID	Q16	21.63	21.63	21.68	22.00
		HIGH	Q16	21.61	21.55	21.63	22.00
	15	LOW	Q16	21.48	21.47	21.51	22.00
3	1	LOW	64QAM	20.96	21.47	21.38	22.00
		MID	64QAM	21.16	**21.59**	21.19	22.00
		HIGH	64QAM	20.87	21.50	21.07	22.00
	8	LOW	64QAM	20.40	20.48	20.55	21.50
		MID	64QAM	20.72	20.53	20.58	21.50
		HIGH	64QAM	20.64	20.56	20.72	21.50
	15	LOW	64QAM	20.30	20.20	20.54	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	131997	132322	132647	Tune-up power(dBm)
5	1	LOW	QPSK	23.47	23.46	23.49	24.00
		MID	QPSK	23.61	23.60	**23.68**	24.00
		HIGH	QPSK	23.45	23.47	23.58	24.00
	12	LOW	QPSK	22.45	22.44	22.52	23.00
		MID	QPSK	22.54	22.53	22.64	23.00
		HIGH	QPSK	22.48	22.46	22.58	23.00
	25	LOW	QPSK	22.48	22.45	22.51	23.00
5	1	LOW	Q16	22.62	22.87	22.53	23.00
		MID	Q16	22.75	**22.91**	22.72	23.00
		HIGH	Q16	22.61	22.85	22.62	23.00
	12	LOW	Q16	21.54	21.65	21.57	22.00
		MID	Q16	21.66	21.72	21.70	22.00
		HIGH	Q16	21.62	21.60	21.63	22.00
	25	LOW	Q16	21.58	21.62	21.54	22.00
5	1	LOW	64QAM	21.44	21.90	21.55	22.00
		MID	64QAM	21.84	21.86	21.48	22.00
		HIGH	64QAM	21.59	**21.94**	21.35	22.00
	12	LOW	64QAM	20.52	20.47	20.49	21.50
		MID	64QAM	20.73	20.59	20.73	21.50
		HIGH	64QAM	20.59	20.60	20.54	21.50
	25	LOW	64QAM	20.42	20.70	20.25	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	132022	132322	132622	Tune-up power(dBm)
10	1	LOW	QPSK	23.53	23.53	23.56	24.00
		MID	QPSK	23.55	23.55	23.66	24.00
		HIGH	QPSK	23.53	23.50	**23.71**	24.00
	25	LOW	QPSK	22.43	22.46	22.55	23.00
		MID	QPSK	22.49	22.50	22.62	23.00
		HIGH	QPSK	22.56	22.47	22.52	23.00
	50	LOW	QPSK	22.50	22.48	22.55	23.00
10	1	LOW	Q16	22.47	22.76	22.53	23.00
		MID	Q16	22.47	22.83	22.58	23.00
		HIGH	Q16	22.45	**22.86**	22.60	23.00
	25	LOW	Q16	21.50	21.53	21.68	22.00
		MID	Q16	21.58	21.61	21.78	22.00
		HIGH	Q16	21.62	21.57	21.68	22.00
	50	LOW	Q16	21.51	21.55	21.58	22.00
10	1	LOW	64QAM	21.21	21.65	21.34	22.00
		MID	64QAM	21.29	**21.91**	21.51	22.00
		HIGH	64QAM	21.31	**21.91**	21.57	22.00
	25	LOW	64QAM	20.56	20.57	20.42	21.50
		MID	64QAM	20.62	20.49	20.54	21.50
		HIGH	64QAM	20.36	20.50	20.64	21.50
	50	LOW	64QAM	20.44	20.51	20.34	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	132047	132322	132597	Tune-up power(dBm)
15	1	LOW	QPSK	23.45	23.51	23.54	24.00
		MID	QPSK	23.53	23.56	**23.68**	24.00
		HIGH	QPSK	23.46	23.52	23.66	24.00
	36	LOW	QPSK	22.42	22.57	22.56	23.00
		MID	QPSK	22.51	22.63	22.63	23.00
		HIGH	QPSK	22.56	22.54	22.64	23.00
	75	LOW	QPSK	22.53	22.63	22.61	23.00
15	1	LOW	Q16	22.38	22.70	22.89	23.00
		MID	Q16	22.48	22.86	**22.99**	23.00
		HIGH	Q16	22.36	22.77	22.88	23.00
	36	LOW	Q16	21.47	21.58	21.58	22.00
		MID	Q16	21.54	21.65	21.61	22.00
		HIGH	Q16	21.59	21.63	21.61	22.00
	75	LOW	Q16	21.55	21.62	21.64	22.00
15	1	LOW	64QAM	21.25	21.69	21.76	22.00
		MID	64QAM	21.45	21.76	**21.90**	22.00
		HIGH	64QAM	21.22	21.84	21.67	22.00
	36	LOW	64QAM	20.37	20.35	20.66	21.50
		MID	64QAM	20.32	20.69	20.65	21.50
		HIGH	64QAM	20.59	20.50	20.57	21.50
	75	LOW	64QAM	20.46	20.62	20.61	21.50
Bandwidth (MHz)	RB Size	RB offest	Modulation	132072	132322	132572	Tune-up power(dBm)
20	1	LOW	QPSK	23.39	23.39	23.34	24.00
		MID	QPSK	23.61	23.62	**23.64**	24.00
		HIGH	QPSK	23.51	23.54	23.54	24.00
	50	LOW	QPSK	22.37	22.55	22.49	23.00
		MID	QPSK	22.52	22.57	22.61	23.00
		HIGH	QPSK	22.61	22.52	22.52	23.00
	100	LOW	QPSK	22.53	22.55	22.54	23.00
20	1	LOW	Q16	22.87	22.67	22.73	23.00
		MID	Q16	22.85	**22.94**	22.83	23.00
		HIGH	Q16	22.88	22.93	22.84	23.00
	50	LOW	Q16	21.43	21.59	21.50	22.00
		MID	Q16	21.58	21.68	21.63	22.00
		HIGH	Q16	21.65	21.62	21.57	22.00
	100	LOW	Q16	21.58	21.58	21.54	22.00
20	1	LOW	64QAM	21.72	21.76	21.58	22.00
		MID	64QAM	21.79	21.84	21.66	22.00
		HIGH	64QAM	**21.90**	21.71	21.83	22.00
	50	LOW	64QAM	20.48	20.61	20.47	21.50
		MID	64QAM	20.67	20.48	20.52	21.50
		HIGH	64QAM	20.64	20.61	20.66	21.50
	100	LOW	64QAM	20.50	20.49	20.63	21.50

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Bandwidth (MHz)	RB Size	RB offest	Modulation	131979	132322	132665	Tune-up power(dBm)
1.4	1	LOW	QPSK	20.32	20.25	20.41	21.00
		MID	QPSK	20.44	20.36	20.52	21.00
		HIGH	QPSK	20.29	20.27	20.45	21.00
	3	LOW	QPSK	20.47	20.41	20.52	21.00
		MID	QPSK	20.50	20.45	20.56	21.00
		HIGH	QPSK	20.48	20.43	20.56	21.00
	6	LOW	QPSK	20.49	20.47	**20.62**	21.00
1.4	1	LOW	Q16	20.40	20.40	20.79	21.00
		MID	Q16	20.46	20.51	**20.84**	21.00
		HIGH	Q16	20.36	20.40	20.78	21.00
	3	LOW	Q16	20.62	20.48	20.70	21.00
		MID	Q16	20.68	20.48	20.72	21.00
		HIGH	Q16	20.65	20.48	20.72	21.00
	6	LOW	Q16	20.72	20.65	20.55	21.00
1.4	1	LOW	64QAM	20.26	20.39	20.53	21.00
		MID	64QAM	20.11	20.50	**20.76**	21.00
		HIGH	64QAM	20.29	20.39	20.72	21.00
	3	LOW	64QAM	20.31	20.31	20.39	21.00
		MID	64QAM	20.58	20.42	20.35	21.00
		HIGH	64QAM	20.63	20.35	20.53	21.00
	6	LOW	64QAM	20.69	20.42	20.42	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	131987	132322	132657	Tune-up power(dBm)
3	1	LOW	QPSK	20.17	20.17	20.25	21.00
		MID	QPSK	20.20	20.29	20.39	21.00
		HIGH	QPSK	20.17	20.18	20.29	21.00
	8	LOW	QPSK	20.44	20.39	20.53	21.00
		MID	QPSK	20.47	20.46	**20.57**	21.00
		HIGH	QPSK	20.40	20.41	20.50	21.00
	15	LOW	QPSK	20.38	20.40	20.47	21.00
3	1	LOW	Q16	20.19	20.55	20.31	21.00
		MID	Q16	20.26	**20.67**	20.44	21.00
		HIGH	Q16	20.11	20.56	20.31	21.00
	8	LOW	Q16	20.53	20.51	20.54	21.00
		MID	Q16	20.57	20.55	20.61	21.00
		HIGH	Q16	20.50	20.46	20.56	21.00
	15	LOW	Q16	20.42	20.39	20.45	21.00
3	1	LOW	64QAM	20.10	20.47	20.14	21.00
		MID	64QAM	20.23	20.38	20.14	21.00
		HIGH	64QAM	19.91	20.28	20.12	21.00
	8	LOW	64QAM	20.25	20.33	20.42	21.00
		MID	64QAM	**20.49**	20.22	20.27	21.00
		HIGH	64QAM	20.22	20.11	20.31	21.00
	15	LOW	64QAM	20.34	20.04	20.35	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	131997	132322	132647	Tune-up power(dBm)
5	1	LOW	QPSK	20.48	20.45	20.47	21.00
		MID	QPSK	20.58	20.55	**20.66**	21.00
		HIGH	QPSK	20.43	20.40	20.52	21.00
	12	LOW	QPSK	20.47	20.46	20.51	21.00
		MID	QPSK	20.55	20.53	20.64	21.00
		HIGH	QPSK	20.49	20.45	20.57	21.00
	25	LOW	QPSK	20.52	20.44	20.47	21.00
5	1	LOW	Q16	20.66	20.54	20.59	21.00
		MID	Q16	**20.79**	20.71	20.76	21.00
		HIGH	Q16	20.64	20.51	20.69	21.00
	12	LOW	Q16	20.50	20.61	20.58	21.00
		MID	Q16	20.62	20.67	20.65	21.00
		HIGH	Q16	20.56	20.60	20.55	21.00
	25	LOW	Q16	20.51	20.60	20.51	21.00
5	1	LOW	64QAM	20.49	20.30	20.27	21.00
		MID	64QAM	20.40	20.39	**20.69**	21.00
		HIGH	64QAM	20.48	20.38	20.45	21.00
	12	LOW	64QAM	20.17	20.57	20.51	21.00
		MID	64QAM	20.29	20.44	20.53	21.00
		HIGH	64QAM	20.20	20.31	20.35	21.00
	25	LOW	64QAM	20.44	20.39	20.24	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	132022	132322	132622	Tune-up power(dBm)
10	1	LOW	QPSK	20.49	20.50	20.57	21.00
		MID	QPSK	20.48	20.54	**20.66**	21.00
		HIGH	QPSK	20.55	20.56	**20.66**	21.00
	25	LOW	QPSK	20.41	20.47	20.49	21.00
		MID	QPSK	20.49	20.54	20.60	21.00
		HIGH	QPSK	20.49	20.48	20.53	21.00
	50	LOW	QPSK	20.48	20.52	20.52	21.00
10	1	LOW	Q16	20.48	20.89	20.57	21.00
		MID	Q16	20.51	20.95	20.63	21.00
		HIGH	Q16	20.54	**20.96**	20.68	21.00
	25	LOW	Q16	20.50	20.53	20.67	21.00
		MID	Q16	20.54	20.59	20.72	21.00
		HIGH	Q16	20.56	20.56	20.64	21.00
	50	LOW	Q16	20.50	20.55	20.54	21.00
10	1	LOW	64QAM	20.47	20.85	20.19	21.00
		MID	64QAM	20.29	**20.90**	20.57	21.00
		HIGH	64QAM	20.48	20.82	20.49	21.00
	25	LOW	64QAM	20.42	20.43	20.39	21.00
		MID	64QAM	20.18	20.25	20.33	21.00
		HIGH	64QAM	20.19	20.34	20.59	21.00
	50	LOW	64QAM	20.22	20.35	20.20	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	132047	132322	132597	Tune-up power(dBm)
15	1	LOW	QPSK	20.45	20.47	20.52	21.00
		MID	QPSK	20.58	20.56	**20.66**	21.00
		HIGH	QPSK	20.45	20.53	20.63	21.00
	36	LOW	QPSK	20.42	20.56	20.53	21.00
		MID	QPSK	20.54	20.61	20.64	21.00
		HIGH	QPSK	20.55	20.54	20.62	21.00
	75	LOW	QPSK	20.55	20.59	20.60	21.00
15	1	LOW	Q16	20.42	20.85	20.60	21.00
		MID	Q16	20.51	**20.97**	20.71	21.00
		HIGH	Q16	20.43	20.91	20.61	21.00
	36	LOW	Q16	20.42	20.58	20.53	21.00
		MID	Q16	20.48	20.65	20.62	21.00
		HIGH	Q16	20.58	20.59	20.60	21.00
	75	LOW	Q16	20.50	20.55	20.56	21.00
15	1	LOW	64QAM	20.04	20.52	20.49	21.00
		MID	64QAM	20.49	20.58	20.58	21.00
		HIGH	64QAM	20.42	**20.59**	20.41	21.00
	36	LOW	64QAM	20.07	20.28	20.20	21.00
		MID	64QAM	20.42	20.26	20.25	21.00
		HIGH	64QAM	20.38	20.52	20.21	21.00
	75	LOW	64QAM	20.48	20.31	20.49	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	132072	132322	132572	Tune-up power(dBm)
20	1	LOW	QPSK	20.43	20.38	20.35	21.00
		MID	QPSK	**20.65**	20.62	20.63	21.00
		HIGH	QPSK	20.45	20.54	20.52	21.00
	50	LOW	QPSK	20.41	20.55	20.50	21.00
		MID	QPSK	20.63	20.59	20.62	21.00
		HIGH	QPSK	20.52	20.49	20.56	21.00
	100	LOW	QPSK	20.55	20.54	20.53	21.00
20	1	LOW	Q16	20.90	20.82	20.82	21.00
		MID	Q16	20.89	20.77	20.84	21.00
		HIGH	Q16	**20.93**	20.72	20.87	21.00
	50	LOW	Q16	20.41	20.59	20.49	21.00
		MID	Q16	20.54	20.65	20.58	21.00
		HIGH	Q16	20.68	20.55	20.55	21.00
	100	LOW	Q16	20.55	20.58	20.52	21.00
20	1	LOW	64QAM	**20.88**	20.52	20.81	21.00
		MID	64QAM	20.65	20.55	20.61	21.00
		HIGH	64QAM	20.85	20.52	20.81	21.00
	50	LOW	64QAM	20.32	20.29	20.43	21.00
		MID	64QAM	20.16	20.40	20.45	21.00
		HIGH	64QAM	20.44	20.41	20.39	21.00
	100	LOW	64QAM	20.18	20.30	20.45	21.00

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Bandwidth (MHz)	RB Size	RB offest	Modulation	131979	132322	132665	Tune-up power(dBm)
1.4	1	LOW	QPSK	19.41	19.36	19.47	20.00
		MID	QPSK	19.49	19.45	19.56	20.00
		HIGH	QPSK	19.35	19.39	19.50	20.00
	3	LOW	QPSK	19.51	19.50	19.63	20.00
		MID	QPSK	19.55	19.54	19.63	20.00
		HIGH	QPSK	19.47	19.50	19.67	20.00
	6	LOW	QPSK	19.54	19.55	**19.71**	20.00
1.4	1	LOW	Q16	19.54	19.71	19.50	20.00
		MID	Q16	19.60	19.82	19.58	20.00
		HIGH	Q16	19.48	19.74	19.52	20.00
	3	LOW	Q16	19.55	19.68	19.76	20.00
		MID	Q16	19.53	19.68	19.80	20.00
		HIGH	Q16	19.56	19.67	19.78	20.00
	6	LOW	Q16	19.72	19.46	**19.84**	20.00
1.4	1	LOW	64QAM	19.19	19.60	19.17	20.00
		MID	64QAM	19.58	**19.76**	19.39	20.00
		HIGH	64QAM	19.33	19.52	19.18	20.00
	3	LOW	64QAM	19.32	19.61	19.40	20.00
		MID	64QAM	19.19	19.34	19.65	20.00
		HIGH	64QAM	19.24	19.30	19.55	20.00
	6	LOW	64QAM	19.42	19.30	19.74	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	131987	132322	132657	Tune-up power(dBm)
3	1	LOW	QPSK	19.23	19.18	19.31	20.00
		MID	QPSK	19.27	19.30	19.45	20.00
		HIGH	QPSK	19.20	19.18	19.36	20.00
	8	LOW	QPSK	19.47	19.46	19.52	20.00
		MID	QPSK	19.53	19.51	**19.63**	20.00
		HIGH	QPSK	19.43	19.45	19.52	20.00
	15	LOW	QPSK	19.43	19.38	19.56	20.00
3	1	LOW	Q16	19.23	19.55	19.35	20.00
		MID	Q16	19.29	**19.70**	19.44	20.00
		HIGH	Q16	19.16	19.58	19.35	20.00
	8	LOW	Q16	19.60	19.54	19.56	20.00
		MID	Q16	19.60	19.59	19.64	20.00
		HIGH	Q16	19.53	19.47	19.58	20.00
	15	LOW	Q16	19.41	19.41	19.46	20.00
3	1	LOW	64QAM	19.00	19.39	19.21	20.00
		MID	64QAM	19.01	**19.66**	19.43	20.00
		HIGH	64QAM	19.04	19.46	18.97	20.00
	8	LOW	64QAM	19.47	19.31	19.36	20.00
		MID	64QAM	19.35	19.30	19.57	20.00
		HIGH	64QAM	19.19	19.30	19.56	20.00
	15	LOW	64QAM	19.18	19.04	19.12	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	131997	132322	132647	Tune-up power(dBm)
5	1	LOW	QPSK	19.45	19.48	19.50	20.00
		MID	QPSK	19.63	19.62	**19.70**	20.00
		HIGH	QPSK	19.36	19.47	19.56	20.00
	12	LOW	QPSK	19.40	19.46	19.59	20.00
		MID	QPSK	19.50	19.54	19.67	20.00
		HIGH	QPSK	19.46	19.46	19.59	20.00
	25	LOW	QPSK	19.45	19.48	19.54	20.00
5	1	LOW	Q16	19.65	**19.95**	19.59	20.00
		MID	Q16	19.77	19.88	19.77	20.00
		HIGH	Q16	19.59	19.90	19.70	20.00
	12	LOW	Q16	19.51	19.61	19.57	20.00
		MID	Q16	19.60	19.66	19.70	20.00
		HIGH	Q16	19.54	19.59	19.63	20.00
	25	LOW	Q16	19.51	19.55	19.53	20.00
5	1	LOW	64QAM	19.59	19.56	19.47	20.00
		MID	64QAM	19.47	**19.86**	19.52	20.00
		HIGH	64QAM	19.36	19.84	19.36	20.00
	12	LOW	64QAM	19.30	19.38	19.24	20.00
		MID	64QAM	19.52	19.40	19.58	20.00
		HIGH	64QAM	19.46	19.45	19.34	20.00
	25	LOW	64QAM	19.21	19.30	19.33	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	132022	132322	132622	Tune-up power(dBm)
10	1	LOW	QPSK	19.50	19.49	19.55	20.00
		MID	QPSK	19.47	19.57	**19.65**	20.00
		HIGH	QPSK	19.50	19.51	19.64	20.00
	25	LOW	QPSK	19.38	19.45	19.50	20.00
		MID	QPSK	19.46	19.55	19.61	20.00
		HIGH	QPSK	19.51	19.52	19.58	20.00
	50	LOW	QPSK	19.48	19.55	19.52	20.00
10	1	LOW	Q16	19.48	19.82	19.58	20.00
		MID	Q16	19.45	19.87	19.64	20.00
		HIGH	Q16	19.47	**19.90**	19.65	20.00
	25	LOW	Q16	19.44	19.56	19.64	20.00
		MID	Q16	19.52	19.59	19.71	20.00
		HIGH	Q16	19.55	19.52	19.65	20.00
	50	LOW	Q16	19.44	19.51	19.56	20.00
10	1	LOW	64QAM	19.26	19.64	19.23	20.00
		MID	64QAM	19.26	19.50	19.33	20.00
		HIGH	64QAM	19.33	**19.74**	19.34	20.00
	25	LOW	64QAM	19.22	19.46	19.53	20.00
		MID	64QAM	19.36	19.53	19.35	20.00
		HIGH	64QAM	19.39	19.14	19.51	20.00
	50	LOW	64QAM	19.12	19.24	19.24	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	132047	132322	132597	Tune-up power(dBm)
15	1	LOW	QPSK	19.38	19.50	19.49	20.00
		MID	QPSK	19.52	19.58	**19.66**	20.00
		HIGH	QPSK	19.41	19.52	19.61	20.00
	36	LOW	QPSK	19.39	19.50	19.50	20.00
		MID	QPSK	19.47	19.54	19.61	20.00
		HIGH	QPSK	19.55	19.53	19.63	20.00
	75	LOW	QPSK	19.49	19.59	19.59	20.00
15	1	LOW	Q16	19.43	19.79	19.92	20.00
		MID	Q16	19.47	19.91	19.89	20.00
		HIGH	Q16	19.35	19.85	**19.99**	20.00
	36	LOW	Q16	19.42	19.56	19.53	20.00
		MID	Q16	19.49	19.59	19.57	20.00
		HIGH	Q16	19.53	19.53	19.57	20.00
	75	LOW	Q16	19.49	19.54	19.55	20.00
15	1	LOW	64QAM	19.36	19.41	19.74	20.00
		MID	64QAM	19.15	19.63	19.77	20.00
		HIGH	64QAM	19.13	19.56	**19.83**	20.00
	36	LOW	64QAM	19.10	19.21	19.24	20.00
		MID	64QAM	19.33	19.51	19.52	20.00
		HIGH	64QAM	19.45	19.28	19.29	20.00
	75	LOW	64QAM	19.24	19.22	19.42	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	132072	132322	132572	Tune-up power(dBm)
20	1	LOW	QPSK	19.34	19.33	19.36	20.00
		MID	QPSK	**19.62**	19.61	19.58	20.00
		HIGH	QPSK	19.42	19.51	19.50	20.00
	50	LOW	QPSK	19.28	19.51	19.49	20.00
		MID	QPSK	19.61	19.58	19.50	20.00
		HIGH	QPSK	19.56	19.51	19.57	20.00
	100	LOW	QPSK	19.48	19.52	19.50	20.00
20	1	LOW	Q16	19.82	19.77	19.78	20.00
		MID	Q16	19.86	**19.97**	19.83	20.00
		HIGH	Q16	19.91	19.96	19.93	20.00
	50	LOW	Q16	19.39	19.53	19.46	20.00
		MID	Q16	19.51	19.59	19.59	20.00
		HIGH	Q16	19.57	19.50	19.53	20.00
	100	LOW	Q16	19.52	19.52	19.51	20.00
20	1	LOW	64QAM	19.66	19.54	19.72	20.00
		MID	64QAM	19.53	**19.89**	19.68	20.00
		HIGH	64QAM	19.61	19.70	19.86	20.00
	50	LOW	64QAM	19.34	19.40	19.36	20.00
		MID	64QAM	19.32	19.27	19.55	20.00
		HIGH	64QAM	19.24	19.21	19.31	20.00
	100	LOW	64QAM	19.18	19.19	19.34	20.00

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Bandwidth (MHz)	RB Size	RB offest	Modulation	37775	38000	38225	Tune-up power(dBm)
5	1	LOW	QPSK	23.53	23.41	23.49	24.00
		MID	QPSK	**23.62**	23.52	**23.62**	24.00
		HIGH	QPSK	23.50	23.46	23.50	24.00
	12	LOW	QPSK	22.44	22.39	22.46	23.00
		MID	QPSK	22.44	22.49	22.49	23.00
		HIGH	QPSK	22.44	22.46	22.46	23.00
	25	LOW	QPSK	22.42	22.43	22.45	23.00
5	1	LOW	Q16	22.75	22.53	22.71	23.00
		MID	Q16	**22.85**	22.69	22.78	23.00
		HIGH	Q16	22.76	22.61	22.68	23.00
	12	LOW	Q16	21.52	21.44	21.41	22.00
		MID	Q16	21.58	21.48	21.47	22.00
		HIGH	Q16	21.50	21.45	21.42	22.00
	25	LOW	Q16	21.45	21.42	21.49	22.00
5	1	LOW	64QAM	21.52	21.22	21.49	22.00
		MID	64QAM	**21.77**	21.58	21.72	22.00
		HIGH	64QAM	21.43	21.41	21.58	22.00
	12	LOW	64QAM	20.32	20.28	20.04	21.00
		MID	64QAM	20.44	20.14	20.27	21.00
		HIGH	64QAM	20.49	20.35	20.10	21.00
	25	LOW	64QAM	20.09	20.10	20.39	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	37800	38000	38200	Tune-up power(dBm)
10	1	LOW	QPSK	23.52	23.54	23.63	24.00
		MID	QPSK	23.52	23.57	**23.64**	24.00
		HIGH	QPSK	23.50	23.58	23.61	24.00
	25	LOW	QPSK	22.47	22.45	22.53	23.00
		MID	QPSK	22.52	22.48	22.55	23.00
		HIGH	QPSK	22.47	22.49	22.48	23.00
	50	LOW	QPSK	22.48	22.47	22.53	23.00
10	1	LOW	Q16	22.71	22.78	22.87	23.00
		MID	Q16	22.73	**22.90**	**22.90**	23.00
		HIGH	Q16	22.70	22.87	22.89	23.00
	25	LOW	Q16	21.47	21.42	21.56	22.00
		MID	Q16	21.52	21.51	21.55	22.00
		HIGH	Q16	21.48	21.49	21.53	22.00
	50	LOW	Q16	21.44	21.49	21.51	22.00
10	1	LOW	64QAM	21.66	21.69	21.78	22.00
		MID	64QAM	21.50	21.79	21.69	22.00
		HIGH	64QAM	21.66	**21.83**	21.74	22.00
	25	LOW	64QAM	20.08	20.28	20.17	21.00
		MID	64QAM	20.41	20.16	20.22	21.00
		HIGH	64QAM	20.34	20.42	20.48	21.00
	50	LOW	64QAM	20.19	20.41	20.18	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	37825	38000	38175	Tune-up power(dBm)
15	1	LOW	QPSK	23.46	23.43	23.55	24.00
		MID	QPSK	23.54	23.60	**23.70**	24.00
		HIGH	QPSK	23.42	23.53	23.56	24.00
	36	LOW	QPSK	22.53	22.51	22.58	23.00
		MID	QPSK	22.59	22.57	22.63	23.00
		HIGH	QPSK	22.49	22.53	22.54	23.00
	75	LOW	QPSK	22.55	22.54	22.59	23.00
15	1	LOW	Q16	22.66	22.75	22.73	23.00
		MID	Q16	22.71	**22.90**	22.87	23.00
		HIGH	Q16	22.59	22.85	22.74	23.00
	36	LOW	Q16	21.46	21.43	21.54	22.00
		MID	Q16	21.50	21.51	21.56	22.00
		HIGH	Q16	21.46	21.47	21.55	22.00
	75	LOW	Q16	21.46	21.48	21.54	22.00
15	1	LOW	64QAM	21.55	21.48	21.41	22.00
		MID	64QAM	21.56	**21.89**	21.62	22.00
		HIGH	64QAM	21.51	21.64	21.53	22.00
	36	LOW	64QAM	20.39	20.28	20.49	21.00
		MID	64QAM	20.36	20.34	20.26	21.00
		HIGH	64QAM	20.10	20.25	20.38	21.00
	75	LOW	64QAM	20.19	20.10	20.26	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	37850	38000	38150	Tune-up power(dBm)
20	1	LOW	QPSK	23.41	23.38	23.48	24.00
		MID	QPSK	23.56	23.60	**23.71**	24.00
		HIGH	QPSK	23.43	23.49	23.53	24.00
	50	LOW	QPSK	22.46	22.44	22.49	23.00
		MID	QPSK	22.51	22.54	22.55	23.00
		HIGH	QPSK	22.43	22.48	22.44	23.00
	100	LOW	QPSK	22.41	22.46	22.47	23.00
20	1	LOW	Q16	22.60	22.46	22.73	23.00
		MID	Q16	22.78	22.70	**22.97**	23.00
		HIGH	Q16	22.62	22.56	22.76	23.00
	50	LOW	Q16	21.40	21.42	21.50	22.00
		MID	Q16	21.47	21.52	21.59	22.00
		HIGH	Q16	21.38	21.43	21.49	22.00
	100	LOW	Q16	21.41	21.44	21.47	22.00
20	1	LOW	64QAM	21.44	21.26	21.70	22.00
		MID	64QAM	21.40	21.62	**21.85**	22.00
		HIGH	64QAM	21.48	21.19	21.71	22.00
	50	LOW	64QAM	20.02	20.33	20.20	21.00
		MID	64QAM	20.45	20.16	20.26	21.00
		HIGH	64QAM	20.25	20.24	20.21	21.00
	100	LOW	64QAM	20.30	20.31	20.23	21.00

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Bandwidth (MHz)	RB Size	RB offest	Modulation	37775	38000	38225	Tune-up power(dBm)
5	1	LOW	QPSK	19.38	19.38	19.43	20.00
		MID	QPSK	19.51	19.51	**19.53**	20.00
		HIGH	QPSK	19.40	19.45	19.41	20.00
	12	LOW	QPSK	19.42	19.37	19.41	20.00
		MID	QPSK	19.48	19.44	19.43	20.00
		HIGH	QPSK	19.40	19.40	19.39	20.00
	25	LOW	QPSK	19.39	19.37	19.41	20.00
5	1	LOW	Q16	19.63	19.72	19.58	20.00
		MID	Q16	19.76	**19.86**	19.71	20.00
		HIGH	Q16	19.63	19.76	19.59	20.00
	12	LOW	Q16	19.36	19.42	19.44	20.00
		MID	Q16	19.42	19.53	19.49	20.00
		HIGH	Q16	19.36	19.48	19.41	20.00
	25	LOW	Q16	19.44	19.43	19.43	20.00
5	1	LOW	64QAM	19.58	19.68	19.54	20.00
		MID	64QAM	19.46	**19.82**	19.65	20.00
		HIGH	64QAM	19.54	19.44	19.46	20.00
	12	LOW	64QAM	19.17	19.33	19.14	20.00
		MID	64QAM	19.26	19.39	19.26	20.00
		HIGH	64QAM	19.00	19.36	19.28	20.00
	25	LOW	64QAM	19.09	19.22	19.11	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	37800	38000	38200	Tune-up power(dBm)
10	1	LOW	QPSK	19.47	19.49	**19.57**	20.00
		MID	QPSK	19.49	19.56	19.55	20.00
		HIGH	QPSK	19.50	19.54	19.55	20.00
	25	LOW	QPSK	19.43	19.42	19.50	20.00
		MID	QPSK	19.50	19.47	19.50	20.00
		HIGH	QPSK	19.43	19.46	19.45	20.00
	50	LOW	QPSK	19.44	19.42	19.50	20.00
10	1	LOW	Q16	19.68	19.86	19.89	20.00
		MID	Q16	19.75	**19.92**	**19.92**	20.00
		HIGH	Q16	19.72	19.90	19.88	20.00
	25	LOW	Q16	19.44	19.41	19.53	20.00
		MID	Q16	19.48	19.49	19.54	20.00
		HIGH	Q16	19.44	19.47	19.49	20.00
	50	LOW	Q16	19.41	19.46	19.49	20.00
10	1	LOW	64QAM	19.36	19.75	19.72	20.00
		MID	64QAM	19.56	19.83	**19.91**	20.00
		HIGH	64QAM	19.47	19.57	19.51	20.00
	25	LOW	64QAM	19.28	19.25	19.50	20.00
		MID	64QAM	19.42	19.26	19.39	20.00
		HIGH	64QAM	19.37	19.40	19.43	20.00
	50	LOW	64QAM	19.13	19.35	19.28	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	37825	38000	38175	Tune-up power(dBm)
15	1	LOW	QPSK	19.41	19.43	19.44	20.00
		MID	QPSK	19.53	19.55	**19.59**	20.00
		HIGH	QPSK	19.37	19.47	19.43	20.00
	36	LOW	QPSK	19.44	19.43	19.48	20.00
		MID	QPSK	19.45	19.47	19.52	20.00
		HIGH	QPSK	19.43	19.43	19.40	20.00
	75	LOW	QPSK	19.48	19.42	19.46	20.00
15	1	LOW	Q16	19.64	19.76	19.73	20.00
		MID	Q16	19.72	**19.92**	19.85	20.00
		HIGH	Q16	19.60	19.83	19.70	20.00
	36	LOW	Q16	19.42	19.44	19.49	20.00
		MID	Q16	19.47	19.46	19.51	20.00
		HIGH	Q16	19.40	19.43	19.46	20.00
	75	LOW	Q16	19.42	19.45	19.45	20.00
15	1	LOW	64QAM	19.29	19.40	19.42	20.00
		MID	64QAM	19.39	**19.86**	19.69	20.00
		HIGH	64QAM	19.34	19.66	19.45	20.00
	36	LOW	64QAM	19.41	19.05	19.28	20.00
		MID	64QAM	19.13	19.40	19.12	20.00
		HIGH	64QAM	19.17	19.27	19.16	20.00
	75	LOW	64QAM	19.29	19.24	19.12	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	37850	38000	38150	Tune-up power(dBm)
20	1	LOW	QPSK	19.36	19.28	19.42	20.00
		MID	QPSK	19.53	19.52	**19.68**	20.00
		HIGH	QPSK	19.36	19.41	19.43	20.00
	50	LOW	QPSK	19.39	19.39	19.44	20.00
		MID	QPSK	19.46	19.47	19.53	20.00
		HIGH	QPSK	19.36	19.45	19.41	20.00
	100	LOW	QPSK	19.40	19.41	19.44	20.00
20	1	LOW	Q16	19.60	19.42	19.70	20.00
		MID	Q16	19.78	19.69	**19.98**	20.00
		HIGH	Q16	19.62	19.57	19.72	20.00
	50	LOW	Q16	19.34	19.40	19.48	20.00
		MID	Q16	19.42	19.48	19.55	20.00
		HIGH	Q16	19.30	19.44	19.42	20.00
	100	LOW	Q16	19.35	19.41	19.41	20.00
20	1	LOW	64QAM	19.58	19.30	19.61	20.00
		MID	64QAM	**19.69**	19.59	**19.69**	20.00
		HIGH	64QAM	19.30	19.18	19.37	20.00
	50	LOW	64QAM	19.30	19.10	19.22	20.00
		MID	64QAM	19.04	19.18	19.31	20.00
		HIGH	64QAM	19.14	19.13	19.12	20.00
	100	LOW	64QAM	19.05	19.06	19.08	20.00

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Bandwidth (MHz)	RB Size	RB offest	Modulation	37775	38000	38225	Tune-up power(dBm)
5	1	LOW	QPSK	18.37	18.38	18.40	19.00
		MID	QPSK	18.49	**18.50**	18.48	19.00
		HIGH	QPSK	18.39	18.44	18.36	19.00
	12	LOW	QPSK	18.36	18.31	18.39	19.00
		MID	QPSK	18.41	18.43	18.44	19.00
		HIGH	QPSK	18.40	18.36	18.36	19.00
	25	LOW	QPSK	18.38	18.34	18.35	19.00
5	1	LOW	Q16	18.68	18.69	18.58	19.00
		MID	Q16	18.76	**18.85**	18.67	19.00
		HIGH	Q16	18.66	18.80	18.59	19.00
	12	LOW	Q16	18.35	18.40	18.45	19.00
		MID	Q16	18.45	18.49	18.44	19.00
		HIGH	Q16	18.35	18.47	18.41	19.00
	25	LOW	Q16	18.43	18.37	18.40	19.00
5	1	LOW	64QAM	18.32	18.46	18.19	19.00
		MID	64QAM	18.64	18.49	18.58	19.00
		HIGH	64QAM	18.65	**18.72**	18.29	19.00
	12	LOW	64QAM	18.13	18.23	18.13	19.00
		MID	64QAM	18.06	18.32	18.37	19.00
		HIGH	64QAM	18.04	18.44	18.04	19.00
	25	LOW	64QAM	18.28	18.33	18.10	19.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	37800	38000	38200	Tune-up power(dBm)
10	1	LOW	QPSK	18.46	18.50	18.54	19.00
		MID	QPSK	18.52	18.52	**18.57**	19.00
		HIGH	QPSK	18.46	18.53	18.53	19.00
	25	LOW	QPSK	18.40	18.40	18.47	19.00
		MID	QPSK	18.46	18.47	18.46	19.00
		HIGH	QPSK	18.41	18.43	18.44	19.00
	50	LOW	QPSK	18.45	18.44	18.45	19.00
10	1	LOW	Q16	18.71	18.86	**18.94**	19.00
		MID	Q16	18.75	18.93	18.92	19.00
		HIGH	Q16	18.72	18.92	18.87	19.00
	25	LOW	Q16	18.42	18.37	18.53	19.00
		MID	Q16	18.45	18.47	18.55	19.00
		HIGH	Q16	18.43	18.44	18.47	19.00
	50	LOW	Q16	18.41	18.41	18.51	19.00
10	1	LOW	64QAM	18.49	18.67	**18.90**	19.00
		MID	64QAM	18.42	18.57	18.82	19.00
		HIGH	64QAM	18.46	18.85	18.68	19.00
	25	LOW	64QAM	18.16	18.16	18.52	19.00
		MID	64QAM	18.43	18.35	18.36	19.00
		HIGH	64QAM	18.11	18.13	18.45	19.00
	50	LOW	64QAM	18.08	18.26	18.45	19.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	37825	38000	38175	Tune-up power(dBm)
15	1	LOW	QPSK	18.41	18.39	18.44	19.00
		MID	QPSK	18.54	18.55	**18.57**	19.00
		HIGH	QPSK	18.37	18.47	18.43	19.00
	36	LOW	QPSK	18.40	18.40	18.44	19.00
		MID	QPSK	18.46	18.45	18.46	19.00
		HIGH	QPSK	18.42	18.41	18.40	19.00
	75	LOW	QPSK	18.42	18.44	18.46	19.00
15	1	LOW	Q16	18.65	18.80	18.76	19.00
		MID	Q16	18.73	**18.95**	18.84	19.00
		HIGH	Q16	18.59	18.86	18.71	19.00
	36	LOW	Q16	18.41	18.40	18.46	19.00
		MID	Q16	18.46	18.45	18.51	19.00
		HIGH	Q16	18.36	18.40	18.44	19.00
	75	LOW	Q16	18.40	18.40	18.44	19.00
15	1	LOW	64QAM	18.36	18.64	18.47	19.00
		MID	64QAM	18.66	18.59	**18.68**	19.00
		HIGH	64QAM	18.49	18.62	18.45	19.00
	36	LOW	64QAM	18.11	18.33	18.12	19.00
		MID	64QAM	18.08	18.17	18.43	19.00
		HIGH	64QAM	18.10	18.24	18.21	19.00
	75	LOW	64QAM	18.03	18.29	18.14	19.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	37850	38000	38150	Tune-up power(dBm)
20	1	LOW	QPSK	18.29	18.24	18.39	19.00
		MID	QPSK	18.50	18.52	**18.68**	19.00
		HIGH	QPSK	18.30	18.35	18.42	19.00
	50	LOW	QPSK	18.39	18.40	18.45	19.00
		MID	QPSK	18.43	18.49	18.50	19.00
		HIGH	QPSK	18.33	18.43	18.34	19.00
	100	LOW	QPSK	18.34	18.38	18.41	19.00
20	1	LOW	Q16	18.60	18.46	18.71	19.00
		MID	Q16	18.79	18.71	**18.97**	19.00
		HIGH	Q16	18.58	18.59	18.77	19.00
	50	LOW	Q16	18.36	18.34	18.44	19.00
		MID	Q16	18.43	18.48	18.55	19.00
		HIGH	Q16	18.31	18.38	18.43	19.00
	100	LOW	Q16	18.32	18.35	18.38	19.00
20	1	LOW	64QAM	18.51	18.29	18.52	19.00
		MID	64QAM	18.40	18.45	**18.59**	19.00
		HIGH	64QAM	18.28	18.20	18.46	19.00
	50	LOW	64QAM	18.25	17.96	18.11	19.00
		MID	64QAM	18.14	18.34	18.21	19.00
		HIGH	64QAM	18.05	18.22	18.12	19.00
	100	LOW	64QAM	17.95	18.17	18.06	19.00

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Bandwidth (MHz)	RB Size	RB offest	Modulation	37775	38000	38225	Tune-up power(dBm)
5	1	LOW	QPSK	23.53	23.41	23.49	24.00
		MID	QPSK	**23.62**	23.52	**23.62**	24.00
		HIGH	QPSK	23.50	23.46	23.50	24.00
	12	LOW	QPSK	22.44	22.39	22.46	23.00
		MID	QPSK	22.44	22.49	22.49	23.00
		HIGH	QPSK	22.44	22.46	22.46	23.00
	25	LOW	QPSK	22.42	22.43	22.45	23.00
5	1	LOW	Q16	22.75	22.53	22.71	23.00
		MID	Q16	**22.85**	22.69	22.78	23.00
		HIGH	Q16	22.76	22.61	22.68	23.00
	12	LOW	Q16	21.52	21.44	21.41	22.00
		MID	Q16	21.58	21.48	21.47	22.00
		HIGH	Q16	21.50	21.45	21.42	22.00
	25	LOW	Q16	21.45	21.42	21.49	22.00
5	1	LOW	64QAM	21.52	21.22	21.49	22.00
		MID	64QAM	**21.77**	21.58	21.72	22.00
		HIGH	64QAM	21.43	21.41	21.58	22.00
	12	LOW	64QAM	20.32	20.28	20.04	21.00
		MID	64QAM	20.44	20.14	20.27	21.00
		HIGH	64QAM	20.49	20.35	20.10	21.00
	25	LOW	64QAM	20.09	20.10	20.39	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	37800	38000	38200	Tune-up power(dBm)
10	1	LOW	QPSK	23.52	23.54	23.63	24.00
		MID	QPSK	23.52	23.57	**23.64**	24.00
		HIGH	QPSK	23.50	23.58	23.61	24.00
	25	LOW	QPSK	22.47	22.45	22.53	23.00
		MID	QPSK	22.52	22.48	22.55	23.00
		HIGH	QPSK	22.47	22.49	22.48	23.00
	50	LOW	QPSK	22.48	22.47	22.53	23.00
10	1	LOW	Q16	22.71	22.78	22.87	23.00
		MID	Q16	22.73	**22.90**	**22.90**	23.00
		HIGH	Q16	22.70	22.87	22.89	23.00
	25	LOW	Q16	21.47	21.42	21.56	22.00
		MID	Q16	21.52	21.51	21.55	22.00
		HIGH	Q16	21.48	21.49	21.53	22.00
	50	LOW	Q16	21.44	21.49	21.51	22.00
10	1	LOW	64QAM	21.66	21.69	21.78	22.00
		MID	64QAM	21.50	21.79	21.69	22.00
		HIGH	64QAM	21.66	**21.83**	21.74	22.00
	25	LOW	64QAM	20.08	20.28	20.17	21.00
		MID	64QAM	20.41	20.16	20.22	21.00
		HIGH	64QAM	20.34	20.42	20.48	21.00
	50	LOW	64QAM	20.19	20.41	20.18	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	37825	38000	38175	Tune-up power(dBm)
15	1	LOW	QPSK	23.46	23.43	23.55	24.00
		MID	QPSK	23.54	23.60	**23.70**	24.00
		HIGH	QPSK	23.42	23.53	23.56	24.00
	36	LOW	QPSK	22.53	22.51	22.58	23.00
		MID	QPSK	22.59	22.57	22.63	23.00
		HIGH	QPSK	22.49	22.53	22.54	23.00
	75	LOW	QPSK	22.55	22.54	22.59	23.00
15	1	LOW	Q16	22.66	22.75	22.73	23.00
		MID	Q16	22.71	**22.90**	22.87	23.00
		HIGH	Q16	22.59	22.85	22.74	23.00
	36	LOW	Q16	21.46	21.43	21.54	22.00
		MID	Q16	21.50	21.51	21.56	22.00
		HIGH	Q16	21.46	21.47	21.55	22.00
	75	LOW	Q16	21.46	21.48	21.54	22.00
15	1	LOW	64QAM	21.55	21.48	21.41	22.00
		MID	64QAM	21.56	**21.89**	21.62	22.00
		HIGH	64QAM	21.51	21.64	21.53	22.00
	36	LOW	64QAM	20.39	20.28	20.49	21.00
		MID	64QAM	20.36	20.34	20.26	21.00
		HIGH	64QAM	20.10	20.25	20.38	21.00
	75	LOW	64QAM	20.19	20.10	20.26	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	37850	38000	38150	Tune-up power(dBm)
20	1	LOW	QPSK	23.41	23.38	23.48	24.00
		MID	QPSK	23.56	23.60	**23.71**	24.00
		HIGH	QPSK	23.43	23.49	23.53	24.00
	50	LOW	QPSK	22.46	22.44	22.49	23.00
		MID	QPSK	22.51	22.54	22.55	23.00
		HIGH	QPSK	22.43	22.48	22.44	23.00
	100	LOW	QPSK	22.41	22.46	22.47	23.00
20	1	LOW	Q16	22.60	22.46	22.73	23.00
		MID	Q16	22.78	22.70	**22.97**	23.00
		HIGH	Q16	22.62	22.56	22.76	23.00
	50	LOW	Q16	21.40	21.42	21.50	22.00
		MID	Q16	21.47	21.52	21.59	22.00
		HIGH	Q16	21.38	21.43	21.49	22.00
	100	LOW	Q16	21.41	21.44	21.47	22.00
20	1	LOW	64QAM	21.44	21.26	21.70	22.00
		MID	64QAM	21.40	21.62	**21.85**	22.00
		HIGH	64QAM	21.48	21.19	21.71	22.00
	50	LOW	64QAM	20.02	20.33	20.20	21.00
		MID	64QAM	20.45	20.16	20.26	21.00
		HIGH	64QAM	20.25	20.24	20.21	21.00
	100	LOW	64QAM	20.30	20.31	20.23	21.00

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Bandwidth (MHz)	RB Size	RB offest	Modulation	37775	38000	38225	Tune-up power(dBm)
5	1	LOW	QPSK	22.49	22.47	22.48	23.00
		MID	QPSK	**22.62**	**22.62**	22.59	23.00
		HIGH	QPSK	22.50	22.53	22.46	23.00
	12	LOW	QPSK	22.46	22.42	22.49	23.00
		MID	QPSK	22.52	22.50	22.52	23.00
		HIGH	QPSK	22.45	22.50	22.48	23.00
	25	LOW	QPSK	22.45	22.46	22.47	23.00
5	1	LOW	Q16	22.69	22.74	22.63	23.00
		MID	Q16	22.76	**22.85**	22.74	23.00
		HIGH	Q16	22.67	22.83	22.63	23.00
	12	LOW	Q16	21.40	21.49	21.49	22.00
		MID	Q16	21.45	21.58	21.51	22.00
		HIGH	Q16	21.45	21.55	21.48	22.00
	25	LOW	Q16	21.48	21.48	21.47	22.00
5	1	LOW	64QAM	21.57	21.46	21.45	22.00
		MID	64QAM	21.47	21.46	21.50	22.00
		HIGH	64QAM	21.37	**21.72**	21.43	22.00
	12	LOW	64QAM	20.05	20.37	20.27	21.00
		MID	64QAM	20.19	20.49	20.28	21.00
		HIGH	64QAM	20.09	20.50	20.21	21.00
	25	LOW	64QAM	20.47	20.34	20.27	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	37800	38000	38200	Tune-up power(dBm)
10	1	LOW	QPSK	22.54	22.55	22.62	23.00
		MID	QPSK	22.55	22.58	**22.65**	23.00
		HIGH	QPSK	22.52	22.61	22.61	23.00
	25	LOW	QPSK	22.48	22.45	22.52	23.00
		MID	QPSK	22.52	22.51	22.55	23.00
		HIGH	QPSK	22.47	22.48	22.49	23.00
	50	LOW	QPSK	22.47	22.47	22.53	23.00
10	1	LOW	Q16	22.70	22.82	22.88	23.00
		MID	Q16	22.73	22.90	**22.92**	23.00
		HIGH	Q16	22.71	22.88	22.87	23.00
	25	LOW	Q16	21.47	21.47	21.56	22.00
		MID	Q16	21.50	21.54	21.57	22.00
		HIGH	Q16	21.48	21.51	21.51	22.00
	50	LOW	Q16	21.47	21.49	21.57	22.00
10	1	LOW	64QAM	21.63	21.45	**21.86**	22.00
		MID	64QAM	21.49	21.77	21.61	22.00
		HIGH	64QAM	21.48	21.74	21.69	22.00
	25	LOW	64QAM	20.41	20.18	20.25	21.00
		MID	64QAM	20.29	20.38	20.20	21.00
		HIGH	64QAM	20.44	20.47	20.21	21.00
	50	LOW	64QAM	20.44	20.22	20.49	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	37825	38000	38175	Tune-up power(dBm)
15	1	LOW	QPSK	22.47	22.45	22.52	23.00
		MID	QPSK	22.56	22.62	**22.65**	23.00
		HIGH	QPSK	22.41	22.52	22.53	23.00
	36	LOW	QPSK	22.49	22.50	22.56	23.00
		MID	QPSK	22.58	22.58	22.63	23.00
		HIGH	QPSK	22.50	22.53	22.51	23.00
	75	LOW	QPSK	22.56	22.56	22.59	23.00
15	1	LOW	Q16	22.64	22.77	22.76	23.00
		MID	Q16	22.73	**22.91**	22.89	23.00
		HIGH	Q16	22.59	22.84	22.71	23.00
	36	LOW	Q16	21.47	21.46	21.55	22.00
		MID	Q16	21.49	21.50	21.57	22.00
		HIGH	Q16	21.45	21.46	21.51	22.00
	75	LOW	Q16	21.46	21.47	21.52	22.00
15	1	LOW	64QAM	21.31	21.55	21.39	22.00
		MID	64QAM	21.64	**21.79**	21.60	22.00
		HIGH	64QAM	21.22	21.72	21.58	22.00
	36	LOW	64QAM	20.25	20.31	20.36	21.00
		MID	64QAM	20.46	20.33	20.56	21.00
		HIGH	64QAM	20.19	20.11	20.24	21.00
	75	LOW	64QAM	20.39	20.09	20.38	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	37850	38000	38150	Tune-up power(dBm)
20	1	LOW	QPSK	22.39	22.36	22.48	23.00
		MID	QPSK	22.56	22.58	**22.70**	23.00
		HIGH	QPSK	22.41	22.45	22.53	23.00
	50	LOW	QPSK	22.41	22.42	22.51	23.00
		MID	QPSK	22.51	22.53	22.54	23.00
		HIGH	QPSK	22.39	22.45	22.44	23.00
	100	LOW	QPSK	22.40	22.44	22.47	23.00
20	1	LOW	Q16	22.59	22.46	22.72	23.00
		MID	Q16	22.76	22.69	**22.89**	23.00
		HIGH	Q16	22.59	22.57	22.77	23.00
	50	LOW	Q16	21.36	21.41	21.53	22.00
		MID	Q16	21.44	21.50	21.59	22.00
		HIGH	Q16	21.37	21.45	21.47	22.00
	100	LOW	Q16	21.38	21.42	21.47	22.00
20	1	LOW	64QAM	21.30	21.09	21.62	22.00
		MID	64QAM	21.41	21.41	**21.67**	22.00
		HIGH	64QAM	21.45	21.24	21.58	22.00
	50	LOW	64QAM	20.11	20.32	20.31	21.00
		MID	64QAM	20.29	20.45	20.53	21.00
		HIGH	64QAM	20.35	20.13	20.35	21.00
	100	LOW	64QAM	20.17	20.13	20.09	21.00

LTE B38-Full Power -DAT

Bandwidth (MHz)	RB Size	RB offest	Modulation	37775	38000	38225	Tune-up power(dBm)
5	1	LOW	QPSK	23.52	23.49	23.61	24.00
		MID	QPSK	23.64	23.62	**23.74**	24.00
		HIGH	QPSK	23.54	23.55	23.60	24.00
	12	LOW	QPSK	22.47	22.48	22.58	23.00
		MID	QPSK	22.52	22.58	22.59	23.00
		HIGH	QPSK	22.51	22.56	22.59	23.00
	25	LOW	QPSK	22.50	22.53	22.57	23.00
5	1	LOW	Q16	22.76	22.62	22.78	23.00
		MID	Q16	**22.89**	22.78	**22.89**	23.00
		HIGH	Q16	22.81	22.71	22.79	23.00
	12	LOW	Q16	21.52	21.47	21.56	22.00
		MID	Q16	21.57	21.58	21.58	22.00
		HIGH	Q16	21.52	21.56	21.52	22.00
	25	LOW	Q16	21.48	21.51	21.61	22.00
5	1	LOW	64QAM	21.60	21.80	21.90	22.00
		MID	64QAM	21.79	21.89	21.80	22.00
		HIGH	64QAM	21.63	21.60	**21.91**	22.00
	12	LOW	64QAM	20.63	20.63	20.38	21.00
		MID	64QAM	20.46	20.64	20.70	21.00
		HIGH	64QAM	20.49	20.62	20.46	21.00
	25	LOW	64QAM	20.63	20.60	20.72	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	37800	38000	38200	Tune-up power(dBm)
10	1	LOW	QPSK	23.54	23.61	23.75	24.00
		MID	QPSK	23.57	23.65	**23.77**	24.00
		HIGH	QPSK	23.56	23.67	23.73	24.00
	25	LOW	QPSK	22.51	22.52	22.62	23.00
		MID	QPSK	22.54	22.57	22.65	23.00
		HIGH	QPSK	22.51	22.58	22.62	23.00
	50	LOW	QPSK	22.51	22.56	22.62	23.00
10	1	LOW	Q16	22.72	22.87	22.89	23.00
		MID	Q16	22.76	22.94	22.81	23.00
		HIGH	Q16	22.74	**22.96**	22.80	23.00
	25	LOW	Q16	21.48	21.52	21.64	22.00
		MID	Q16	21.53	21.61	21.69	22.00
		HIGH	Q16	21.51	21.58	21.62	22.00
	50	LOW	Q16	21.48	21.56	21.62	22.00
10	1	LOW	64QAM	21.60	21.85	21.81	22.00
		MID	64QAM	21.47	21.74	21.46	22.00
		HIGH	64QAM	21.61	**21.94**	21.54	22.00
	25	LOW	64QAM	20.24	20.20	20.36	21.00
		MID	64QAM	20.49	20.50	20.57	21.00
		HIGH	64QAM	20.38	20.19	20.30	21.00
	50	LOW	64QAM	20.46	20.31	20.49	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	37825	38000	38175	Tune-up power(dBm)
15	1	LOW	QPSK	23.50	23.50	23.64	24.00
		MID	QPSK	23.60	23.67	**23.78**	24.00
		HIGH	QPSK	23.45	23.62	23.66	24.00
	36	LOW	QPSK	22.54	22.53	22.66	23.00
		MID	QPSK	22.59	22.64	22.68	23.00
		HIGH	QPSK	22.57	22.62	22.64	23.00
	75	LOW	QPSK	22.57	22.66	22.69	23.00
15	1	LOW	Q16	22.69	22.82	22.83	23.00
		MID	Q16	22.75	22.93	**22.95**	23.00
		HIGH	Q16	22.65	22.92	22.84	23.00
	36	LOW	Q16	21.48	21.49	21.64	22.00
		MID	Q16	21.54	21.59	21.66	22.00
		HIGH	Q16	21.47	21.56	21.59	22.00
	75	LOW	Q16	21.51	21.56	21.63	22.00
15	1	LOW	64QAM	21.42	21.58	21.49	22.00
		MID	64QAM	21.60	21.60	**21.76**	22.00
		HIGH	64QAM	21.48	21.74	21.60	22.00
	36	LOW	64QAM	20.23	20.32	20.56	21.00
		MID	64QAM	20.27	20.39	20.31	21.00
		HIGH	64QAM	20.19	20.43	20.44	21.00
	75	LOW	64QAM	20.41	20.39	20.48	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	37850	38000	38150	Tune-up power(dBm)
20	1	LOW	QPSK	23.42	23.40	23.55	24.00
		MID	QPSK	23.65	23.67	**23.79**	24.00
		HIGH	QPSK	23.47	23.57	23.61	24.00
	50	LOW	QPSK	22.47	22.50	22.56	23.00
		MID	QPSK	22.52	22.62	22.65	23.00
		HIGH	QPSK	22.47	22.56	22.53	23.00
	100	LOW	QPSK	22.45	22.53	22.59	23.00
20	1	LOW	Q16	22.61	22.49	22.83	23.00
		MID	Q16	22.81	22.77	22.85	23.00
		HIGH	Q16	22.67	22.65	**22.88**	23.00
	50	LOW	Q16	21.42	21.47	21.56	22.00
		MID	Q16	21.50	21.57	21.70	22.00
		HIGH	Q16	21.41	21.53	21.55	22.00
	100	LOW	Q16	21.41	21.52	21.56	22.00
20	1	LOW	64QAM	21.59	21.32	21.76	22.00
		MID	64QAM	21.67	21.53	**21.77**	22.00
		HIGH	64QAM	21.29	21.62	21.72	22.00
	50	LOW	64QAM	20.24	20.09	20.36	21.00
		MID	64QAM	20.37	20.41	20.69	21.00
		HIGH	64QAM	20.33	20.42	20.43	21.00
	100	LOW	64QAM	20.10	20.49	20.26	21.00

LTE B38-Level 1 -DAT

Bandwidth (MHz)	RB Size	RB offest	Modulation	37775	38000	38225	Tune-up power(dBm)
5	1	LOW	QPSK	23.52	23.49	23.61	24.00
		MID	QPSK	23.64	23.62	**23.74**	24.00
		HIGH	QPSK	23.54	23.55	23.60	24.00
	12	LOW	QPSK	22.47	22.48	22.58	23.00
		MID	QPSK	22.52	22.58	22.59	23.00
		HIGH	QPSK	22.51	22.56	22.59	23.00
	25	LOW	QPSK	22.50	22.53	22.57	23.00
5	1	LOW	Q16	22.76	22.62	22.78	23.00
		MID	Q16	**22.89**	22.78	**22.89**	23.00
		HIGH	Q16	22.81	22.71	22.79	23.00
	12	LOW	Q16	21.52	21.47	21.56	22.00
		MID	Q16	21.57	21.58	21.58	22.00
		HIGH	Q16	21.52	21.56	21.52	22.00
	25	LOW	Q16	21.48	21.51	21.61	22.00
5	1	LOW	64QAM	21.60	21.80	21.90	22.00
		MID	64QAM	21.79	21.89	21.80	22.00
		HIGH	64QAM	21.63	21.60	**21.91**	22.00
	12	LOW	64QAM	20.63	20.63	20.38	21.00
		MID	64QAM	20.46	20.64	20.70	21.00
		HIGH	64QAM	20.49	20.62	20.46	21.00
	25	LOW	64QAM	20.63	20.60	20.72	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	37800	38000	38200	Tune-up power(dBm)
10	1	LOW	QPSK	23.54	23.61	23.75	24.00
		MID	QPSK	23.57	23.65	**23.77**	24.00
		HIGH	QPSK	23.56	23.67	23.73	24.00
	25	LOW	QPSK	22.51	22.52	22.62	23.00
		MID	QPSK	22.54	22.57	22.65	23.00
		HIGH	QPSK	22.51	22.58	22.62	23.00
	50	LOW	QPSK	22.51	22.56	22.62	23.00
10	1	LOW	Q16	22.72	22.87	22.89	23.00
		MID	Q16	22.76	22.94	22.81	23.00
		HIGH	Q16	22.74	**22.96**	22.80	23.00
	25	LOW	Q16	21.48	21.52	21.64	22.00
		MID	Q16	21.53	21.61	21.69	22.00
		HIGH	Q16	21.51	21.58	21.62	22.00
	50	LOW	Q16	21.48	21.56	21.62	22.00
10	1	LOW	64QAM	21.60	21.85	21.81	22.00
		MID	64QAM	21.47	21.74	21.46	22.00
		HIGH	64QAM	21.61	**21.94**	21.54	22.00
	25	LOW	64QAM	20.24	20.20	20.36	21.00
		MID	64QAM	20.49	20.50	20.57	21.00
		HIGH	64QAM	20.38	20.19	20.30	21.00
	50	LOW	64QAM	20.46	20.31	20.49	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	37825	38000	38175	Tune-up power(dBm)
15	1	LOW	QPSK	23.50	23.50	23.64	24.00
		MID	QPSK	23.60	23.67	**23.78**	24.00
		HIGH	QPSK	23.45	23.62	23.66	24.00
	36	LOW	QPSK	22.54	22.53	22.66	23.00
		MID	QPSK	22.59	22.64	22.68	23.00
		HIGH	QPSK	22.57	22.62	22.64	23.00
	75	LOW	QPSK	22.57	22.66	22.69	23.00
15	1	LOW	Q16	22.69	22.82	22.83	23.00
		MID	Q16	22.75	22.93	**22.95**	23.00
		HIGH	Q16	22.65	22.92	22.84	23.00
	36	LOW	Q16	21.48	21.49	21.64	22.00
		MID	Q16	21.54	21.59	21.66	22.00
		HIGH	Q16	21.47	21.56	21.59	22.00
	75	LOW	Q16	21.51	21.56	21.63	22.00
15	1	LOW	64QAM	21.42	21.58	21.49	22.00
		MID	64QAM	21.60	21.60	**21.76**	22.00
		HIGH	64QAM	21.48	21.74	21.60	22.00
	36	LOW	64QAM	20.23	20.32	20.56	21.00
		MID	64QAM	20.27	20.39	20.31	21.00
		HIGH	64QAM	20.19	20.43	20.44	21.00
	75	LOW	64QAM	20.41	20.39	20.48	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	37850	38000	38150	Tune-up power(dBm)
20	1	LOW	QPSK	23.42	23.40	23.55	24.00
		MID	QPSK	23.65	23.67	**23.79**	24.00
		HIGH	QPSK	23.47	23.57	23.61	24.00
	50	LOW	QPSK	22.47	22.50	22.56	23.00
		MID	QPSK	22.52	22.62	22.65	23.00
		HIGH	QPSK	22.47	22.56	22.53	23.00
	100	LOW	QPSK	22.45	22.53	22.59	23.00
20	1	LOW	Q16	22.61	22.49	22.83	23.00
		MID	Q16	22.81	22.77	22.85	23.00
		HIGH	Q16	22.67	22.65	**22.88**	23.00
	50	LOW	Q16	21.42	21.47	21.56	22.00
		MID	Q16	21.50	21.57	21.70	22.00
		HIGH	Q16	21.41	21.53	21.55	22.00
	100	LOW	Q16	21.41	21.52	21.56	22.00
20	1	LOW	64QAM	21.59	21.32	21.76	22.00
		MID	64QAM	21.67	21.53	**21.77**	22.00
		HIGH	64QAM	21.29	21.62	21.72	22.00
	50	LOW	64QAM	20.24	20.09	20.36	21.00
		MID	64QAM	20.37	20.41	20.69	21.00
		HIGH	64QAM	20.33	20.42	20.43	21.00
	100	LOW	64QAM	20.10	20.49	20.26	21.00

LTE B38-Level 2/3 -DAT

Bandwidth (MHz)	RB Size	RB offest	Modulation	37775	38000	38225	Tune-up power(dBm)
5	1	LOW	QPSK	23.52	23.49	23.61	24.00
		MID	QPSK	23.64	23.62	**23.74**	24.00
		HIGH	QPSK	23.54	23.55	23.60	24.00
	12	LOW	QPSK	22.47	22.48	22.58	23.00
		MID	QPSK	22.52	22.58	22.59	23.00
		HIGH	QPSK	22.51	22.56	22.59	23.00
	25	LOW	QPSK	22.50	22.53	22.57	23.00
5	1	LOW	Q16	22.76	22.62	22.78	23.00
		MID	Q16	**22.89**	22.78	**22.89**	23.00
		HIGH	Q16	22.81	22.71	22.79	23.00
	12	LOW	Q16	21.52	21.47	21.56	22.00
		MID	Q16	21.57	21.58	21.58	22.00
		HIGH	Q16	21.52	21.56	21.52	22.00
	25	LOW	Q16	21.48	21.51	21.61	22.00
5	1	LOW	64QAM	21.60	21.80	21.90	22.00
		MID	64QAM	21.79	21.89	21.80	22.00
		HIGH	64QAM	21.63	21.60	**21.91**	22.00
	12	LOW	64QAM	20.63	20.63	20.38	21.00
		MID	64QAM	20.46	20.64	20.70	21.00
		HIGH	64QAM	20.49	20.62	20.46	21.00
	25	LOW	64QAM	20.63	20.60	20.72	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	37800	38000	38200	Tune-up power(dBm)
10	1	LOW	QPSK	23.54	23.61	23.75	24.00
		MID	QPSK	23.57	23.65	**23.77**	24.00
		HIGH	QPSK	23.56	23.67	23.73	24.00
	25	LOW	QPSK	22.51	22.52	22.62	23.00
		MID	QPSK	22.54	22.57	22.65	23.00
		HIGH	QPSK	22.51	22.58	22.62	23.00
	50	LOW	QPSK	22.51	22.56	22.62	23.00
10	1	LOW	Q16	22.72	22.87	22.89	23.00
		MID	Q16	22.76	22.94	22.81	23.00
		HIGH	Q16	22.74	**22.96**	22.80	23.00
	25	LOW	Q16	21.48	21.52	21.64	22.00
		MID	Q16	21.53	21.61	21.69	22.00
		HIGH	Q16	21.51	21.58	21.62	22.00
	50	LOW	Q16	21.48	21.56	21.62	22.00
10	1	LOW	64QAM	21.60	21.85	21.81	22.00
		MID	64QAM	21.47	21.74	21.46	22.00
		HIGH	64QAM	21.61	**21.94**	21.54	22.00
	25	LOW	64QAM	20.24	20.20	20.36	21.00
		MID	64QAM	20.49	20.50	20.57	21.00
		HIGH	64QAM	20.38	20.19	20.30	21.00
	50	LOW	64QAM	20.46	20.31	20.49	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	37825	38000	38175	Tune-up power(dBm)
15	1	LOW	QPSK	23.50	23.50	23.64	24.00
		MID	QPSK	23.60	23.67	**23.78**	24.00
		HIGH	QPSK	23.45	23.62	23.66	24.00
	36	LOW	QPSK	22.54	22.53	22.66	23.00
		MID	QPSK	22.59	22.64	22.68	23.00
		HIGH	QPSK	22.57	22.62	22.64	23.00
	75	LOW	QPSK	22.57	22.66	22.69	23.00
15	1	LOW	Q16	22.69	22.82	22.83	23.00
		MID	Q16	22.75	22.93	**22.95**	23.00
		HIGH	Q16	22.65	22.92	22.84	23.00
	36	LOW	Q16	21.48	21.49	21.64	22.00
		MID	Q16	21.54	21.59	21.66	22.00
		HIGH	Q16	21.47	21.56	21.59	22.00
	75	LOW	Q16	21.51	21.56	21.63	22.00
15	1	LOW	64QAM	21.42	21.58	21.49	22.00
		MID	64QAM	21.60	21.60	**21.76**	22.00
		HIGH	64QAM	21.48	21.74	21.60	22.00
	36	LOW	64QAM	20.23	20.32	20.56	21.00
		MID	64QAM	20.27	20.39	20.31	21.00
		HIGH	64QAM	20.19	20.43	20.44	21.00
	75	LOW	64QAM	20.41	20.39	20.48	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	37850	38000	38150	Tune-up power(dBm)
20	1	LOW	QPSK	23.42	23.40	23.55	24.00
		MID	QPSK	23.65	23.67	**23.79**	24.00
		HIGH	QPSK	23.47	23.57	23.61	24.00
	50	LOW	QPSK	22.47	22.50	22.56	23.00
		MID	QPSK	22.52	22.62	22.65	23.00
		HIGH	QPSK	22.47	22.56	22.53	23.00
	100	LOW	QPSK	22.45	22.53	22.59	23.00
20	1	LOW	Q16	22.61	22.49	22.83	23.00
		MID	Q16	22.81	22.77	22.85	23.00
		HIGH	Q16	22.67	22.65	**22.88**	23.00
	50	LOW	Q16	21.42	21.47	21.56	22.00
		MID	Q16	21.50	21.57	21.70	22.00
		HIGH	Q16	21.41	21.53	21.55	22.00
	100	LOW	Q16	21.41	21.52	21.56	22.00
20	1	LOW	64QAM	21.59	21.32	21.76	22.00
		MID	64QAM	21.67	21.53	**21.77**	22.00
		HIGH	64QAM	21.29	21.62	21.72	22.00
	50	LOW	64QAM	20.24	20.09	20.36	21.00
		MID	64QAM	20.37	20.41	20.69	21.00
		HIGH	64QAM	20.33	20.42	20.43	21.00
	100	LOW	64QAM	20.10	20.49	20.26	21.00

LTE B38-Level 4 -DAT

Bandwidth (MHz)	RB Size	RB offest	Modulation	37775	38000	38225	Tune-up power(dBm)
5	1	LOW	QPSK	23.52	23.49	23.61	24.00
		MID	QPSK	23.64	23.62	**23.74**	24.00
		HIGH	QPSK	23.54	23.55	23.60	24.00
	12	LOW	QPSK	22.47	22.48	22.58	23.00
		MID	QPSK	22.52	22.58	22.59	23.00
		HIGH	QPSK	22.51	22.56	22.59	23.00
	25	LOW	QPSK	22.50	22.53	22.57	23.00
5	1	LOW	Q16	22.76	22.62	22.78	23.00
		MID	Q16	**22.89**	22.78	**22.89**	23.00
		HIGH	Q16	22.81	22.71	22.79	23.00
	12	LOW	Q16	21.52	21.47	21.56	22.00
		MID	Q16	21.57	21.58	21.58	22.00
		HIGH	Q16	21.52	21.56	21.52	22.00
	25	LOW	Q16	21.48	21.51	21.61	22.00
5	1	LOW	64QAM	21.60	21.80	21.90	22.00
		MID	64QAM	21.79	21.89	21.80	22.00
		HIGH	64QAM	21.63	21.60	**21.91**	22.00
	12	LOW	64QAM	20.63	20.63	20.38	21.00
		MID	64QAM	20.46	20.64	20.70	21.00
		HIGH	64QAM	20.49	20.62	20.46	21.00
	25	LOW	64QAM	20.63	20.60	20.72	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	37800	38000	38200	Tune-up power(dBm)
10	1	LOW	QPSK	23.54	23.61	23.75	24.00
		MID	QPSK	23.57	23.65	**23.77**	24.00
		HIGH	QPSK	23.56	23.67	23.73	24.00
	25	LOW	QPSK	22.51	22.52	22.62	23.00
		MID	QPSK	22.54	22.57	22.65	23.00
		HIGH	QPSK	22.51	22.58	22.62	23.00
	50	LOW	QPSK	22.51	22.56	22.62	23.00
10	1	LOW	Q16	22.72	22.87	22.89	23.00
		MID	Q16	22.76	22.94	22.81	23.00
		HIGH	Q16	22.74	**22.96**	22.80	23.00
	25	LOW	Q16	21.48	21.52	21.64	22.00
		MID	Q16	21.53	21.61	21.69	22.00
		HIGH	Q16	21.51	21.58	21.62	22.00
	50	LOW	Q16	21.48	21.56	21.62	22.00
10	1	LOW	64QAM	21.60	21.85	21.81	22.00
		MID	64QAM	21.47	21.74	21.46	22.00
		HIGH	64QAM	21.61	**21.94**	21.54	22.00
	25	LOW	64QAM	20.24	20.20	20.36	21.00
		MID	64QAM	20.49	20.50	20.57	21.00
		HIGH	64QAM	20.38	20.19	20.30	21.00
	50	LOW	64QAM	20.46	20.31	20.49	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	37825	38000	38175	Tune-up power(dBm)
15	1	LOW	QPSK	23.50	23.50	23.64	24.00
		MID	QPSK	23.60	23.67	**23.78**	24.00
		HIGH	QPSK	23.45	23.62	23.66	24.00
	36	LOW	QPSK	22.54	22.53	22.66	23.00
		MID	QPSK	22.59	22.64	22.68	23.00
		HIGH	QPSK	22.57	22.62	22.64	23.00
	75	LOW	QPSK	22.57	22.66	22.69	23.00
15	1	LOW	Q16	22.69	22.82	22.83	23.00
		MID	Q16	22.75	22.93	**22.95**	23.00
		HIGH	Q16	22.65	22.92	22.84	23.00
	36	LOW	Q16	21.48	21.49	21.64	22.00
		MID	Q16	21.54	21.59	21.66	22.00
		HIGH	Q16	21.47	21.56	21.59	22.00
	75	LOW	Q16	21.51	21.56	21.63	22.00
15	1	LOW	64QAM	21.42	21.58	21.49	22.00
		MID	64QAM	21.60	21.60	**21.76**	22.00
		HIGH	64QAM	21.48	21.74	21.60	22.00
	36	LOW	64QAM	20.23	20.32	20.56	21.00
		MID	64QAM	20.27	20.39	20.31	21.00
		HIGH	64QAM	20.19	20.43	20.44	21.00
	75	LOW	64QAM	20.41	20.39	20.48	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	37850	38000	38150	Tune-up power(dBm)
20	1	LOW	QPSK	23.42	23.40	23.55	24.00
		MID	QPSK	23.65	23.67	**23.79**	24.00
		HIGH	QPSK	23.47	23.57	23.61	24.00
	50	LOW	QPSK	22.47	22.50	22.56	23.00
		MID	QPSK	22.52	22.62	22.65	23.00
		HIGH	QPSK	22.47	22.56	22.53	23.00
	100	LOW	QPSK	22.45	22.53	22.59	23.00
20	1	LOW	Q16	22.61	22.49	22.83	23.00
		MID	Q16	22.81	22.77	22.85	23.00
		HIGH	Q16	22.67	22.65	**22.88**	23.00
	50	LOW	Q16	21.42	21.47	21.56	22.00
		MID	Q16	21.50	21.57	21.70	22.00
		HIGH	Q16	21.41	21.53	21.55	22.00
	100	LOW	Q16	21.41	21.52	21.56	22.00
20	1	LOW	64QAM	21.59	21.32	21.76	22.00
		MID	64QAM	21.67	21.53	**21.77**	22.00
		HIGH	64QAM	21.29	21.62	21.72	22.00
	50	LOW	64QAM	20.24	20.09	20.36	21.00
		MID	64QAM	20.37	20.41	20.69	21.00
		HIGH	64QAM	20.33	20.42	20.43	21.00
	100	LOW	64QAM	20.10	20.49	20.26	21.00

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Bandwidth (MHz)	RB Size	RB offest	Modulation	37775	38000	38225	Tune-up power(dBm)
5	1	LOW	QPSK	21.38	21.41	21.50	22.00
		MID	QPSK	21.49	21.52	**21.59**	22.00
		HIGH	QPSK	21.41	21.45	21.49	22.00
	12	LOW	QPSK	21.38	21.37	21.47	22.00
		MID	QPSK	21.42	21.48	21.54	22.00
		HIGH	QPSK	21.37	21.49	21.48	22.00
	25	LOW	QPSK	21.37	21.40	21.45	22.00
5	1	LOW	Q16	21.69	21.57	21.70	22.00
		MID	Q16	21.81	21.71	**21.84**	22.00
		HIGH	Q16	21.74	21.63	21.70	22.00
	12	LOW	Q16	21.45	21.44	21.46	22.00
		MID	Q16	21.48	21.46	21.54	22.00
		HIGH	Q16	21.45	21.44	21.47	22.00
	25	LOW	Q16	21.38	21.42	21.53	22.00
5	1	LOW	64QAM	21.33	21.24	21.60	22.00
		MID	64QAM	21.73	21.48	**21.74**	22.00
		HIGH	64QAM	21.72	21.32	21.37	22.00
	12	LOW	64QAM	20.36	20.22	20.31	21.00
		MID	64QAM	20.36	20.32	20.22	21.00
		HIGH	64QAM	20.07	20.15	20.31	21.00
	25	LOW	64QAM	20.19	20.31	20.32	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	37800	38000	38200	Tune-up power(dBm)
10	1	LOW	QPSK	21.44	21.51	21.66	22.00
		MID	QPSK	21.50	21.59	**21.68**	22.00
		HIGH	QPSK	21.46	21.57	21.64	22.00
	25	LOW	QPSK	21.39	21.43	21.56	22.00
		MID	QPSK	21.44	21.50	21.57	22.00
		HIGH	QPSK	21.42	21.50	21.54	22.00
	50	LOW	QPSK	21.39	21.47	21.55	22.00
10	1	LOW	Q16	21.64	21.82	21.90	22.00
		MID	Q16	21.69	21.90	**21.96**	22.00
		HIGH	Q16	21.66	21.93	21.92	22.00
	25	LOW	Q16	21.39	21.44	21.59	22.00
		MID	Q16	21.44	21.50	21.59	22.00
		HIGH	Q16	21.42	21.51	21.56	22.00
	50	LOW	Q16	21.37	21.46	21.55	22.00
10	1	LOW	64QAM	21.56	21.44	21.79	22.00
		MID	64QAM	21.61	21.52	**21.92**	22.00
		HIGH	64QAM	21.41	21.90	21.69	22.00
	25	LOW	64QAM	20.00	20.43	20.31	21.00
		MID	64QAM	20.26	20.16	20.28	21.00
		HIGH	64QAM	20.38	20.47	20.36	21.00
	50	LOW	64QAM	19.99	20.10	20.18	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	37825	38000	38175	Tune-up power(dBm)
15	1	LOW	QPSK	21.38	21.41	21.54	22.00
		MID	QPSK	21.53	21.61	**21.70**	22.00
		HIGH	QPSK	21.42	21.53	21.53	22.00
	36	LOW	QPSK	21.41	21.43	21.58	22.00
		MID	QPSK	21.47	21.52	21.61	22.00
		HIGH	QPSK	21.41	21.49	21.52	22.00
	75	LOW	QPSK	21.44	21.49	21.59	22.00
15	1	LOW	Q16	21.61	21.75	21.78	22.00
		MID	Q16	21.71	**21.92**	**21.92**	22.00
		HIGH	Q16	21.59	21.89	21.80	22.00
	36	LOW	Q16	21.41	21.38	21.56	22.00
		MID	Q16	21.42	21.50	21.61	22.00
		HIGH	Q16	21.39	21.45	21.54	22.00
	75	LOW	Q16	21.42	21.47	21.56	22.00
15	1	LOW	64QAM	21.31	21.43	21.47	22.00
		MID	64QAM	21.56	21.54	**21.90**	22.00
		HIGH	64QAM	21.20	21.76	21.76	22.00
	36	LOW	64QAM	20.27	20.03	20.35	21.00
		MID	64QAM	20.34	20.46	20.41	21.00
		HIGH	64QAM	20.13	20.34	20.27	21.00
	75	LOW	64QAM	20.23	20.29	20.49	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	37850	38000	38150	Tune-up power(dBm)
20	1	LOW	QPSK	21.30	21.28	21.46	22.00
		MID	QPSK	21.54	21.58	**21.75**	22.00
		HIGH	QPSK	21.38	21.47	21.52	22.00
	50	LOW	QPSK	21.38	21.43	21.50	22.00
		MID	QPSK	21.47	21.54	21.61	22.00
		HIGH	QPSK	21.41	21.49	21.49	22.00
	100	LOW	QPSK	21.41	21.41	21.49	22.00
20	1	LOW	Q16	21.57	21.42	21.34	22.00
		MID	Q16	**21.77**	21.68	21.62	22.00
		HIGH	Q16	21.62	21.62	21.43	22.00
	50	LOW	Q16	21.35	21.40	21.51	22.00
		MID	Q16	21.40	21.50	21.61	22.00
		HIGH	Q16	21.35	21.49	21.50	22.00
	100	LOW	Q16	21.36	21.41	21.48	22.00
20	1	LOW	64QAM	21.45	21.15	21.21	22.00
		MID	64QAM	21.50	21.38	21.41	22.00
		HIGH	64QAM	**21.59**	21.24	21.39	22.00
	50	LOW	64QAM	20.02	20.13	20.27	21.00
		MID	64QAM	20.39	20.20	20.27	21.00
		HIGH	64QAM	20.34	20.47	20.25	21.00
	100	LOW	64QAM	20.24	20.35	20.15	21.00

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Bandwidth (MHz)	RB Size	RB offest	Modulation	40065	40765	41215	Tune-up power(dBm)
5	1	LOW	QPSK	23.67	23.65	23.72	24.00
		MID	QPSK	23.79	23.78	**23.87**	24.00
		HIGH	QPSK	23.68	23.65	23.74	24.00
	12	LOW	QPSK	22.66	22.66	22.70	23.00
		MID	QPSK	22.73	22.73	22.73	23.00
		HIGH	QPSK	22.72	22.65	22.72	23.00
	25	LOW	QPSK	22.70	22.67	22.73	23.00
5	1	LOW	Q16	22.61	22.66	22.79	23.00
		MID	Q16	22.78	22.80	**22.95**	23.00
		HIGH	Q16	22.63	22.64	22.82	23.00
	12	LOW	Q16	21.50	21.47	21.57	22.00
		MID	Q16	21.53	21.51	21.61	22.00
		HIGH	Q16	21.54	21.44	21.59	22.00
	25	LOW	Q16	21.49	21.50	21.52	22.00
5	1	LOW	64QAM	21.50	21.63	21.49	22.00
		MID	64QAM	21.50	21.63	**21.82**	22.00
		HIGH	64QAM	21.34	21.26	21.66	22.00
	12	LOW	64QAM	20.45	20.27	20.56	21.00
		MID	64QAM	20.39	20.40	20.47	21.00
		HIGH	64QAM	20.44	20.35	20.57	21.00
	25	LOW	64QAM	20.29	20.45	20.44	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	40090	40765	41190	Tune-up power(dBm)
10	1	LOW	QPSK	23.69	23.73	23.80	24.00
		MID	QPSK	23.77	23.78	**23.84**	24.00
		HIGH	QPSK	23.74	23.76	23.81	24.00
	25	LOW	QPSK	22.63	22.71	22.70	23.00
		MID	QPSK	22.73	22.74	22.75	23.00
		HIGH	QPSK	22.77	22.70	22.71	23.00
	50	LOW	QPSK	22.70	22.74	22.73	23.00
10	1	LOW	Q16	22.69	22.84	22.87	23.00
		MID	Q16	22.79	**22.90**	**22.90**	23.00
		HIGH	Q16	22.75	22.89	22.88	23.00
	25	LOW	Q16	21.45	21.52	21.53	22.00
		MID	Q16	21.52	21.55	21.59	22.00
		HIGH	Q16	21.56	21.52	21.53	22.00
	50	LOW	Q16	21.51	21.53	21.52	22.00
10	1	LOW	64QAM	21.64	21.50	21.63	22.00
		MID	64QAM	21.65	21.63	**21.77**	22.00
		HIGH	64QAM	21.39	21.68	21.52	22.00
	25	LOW	64QAM	20.11	20.45	20.27	21.00
		MID	64QAM	20.42	20.43	20.58	21.00
		HIGH	64QAM	20.47	20.46	20.19	21.00
	50	LOW	64QAM	20.27	20.39	20.37	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	40115	40765	41165	Tune-up power(dBm)
15	1	LOW	QPSK	23.64	23.69	23.74	24.00
		MID	QPSK	23.81	23.79	**23.88**	24.00
		HIGH	QPSK	23.73	23.72	23.75	24.00
	36	LOW	QPSK	22.68	22.78	22.78	23.00
		MID	QPSK	22.79	22.82	22.79	23.00
		HIGH	QPSK	22.81	22.75	22.73	23.00
	75	LOW	QPSK	22.75	22.84	22.78	23.00
15	1	LOW	Q16	22.71	22.81	22.77	23.00
		MID	Q16	22.80	**22.93**	22.90	23.00
		HIGH	Q16	22.70	22.83	22.76	23.00
	36	LOW	Q16	21.41	21.52	21.53	22.00
		MID	Q16	21.55	21.56	21.60	22.00
		HIGH	Q16	21.55	21.48	21.55	22.00
	75	LOW	Q16	21.52	21.55	21.54	22.00
15	1	LOW	64QAM	21.46	21.58	21.70	22.00
		MID	64QAM	21.70	**21.76**	21.55	22.00
		HIGH	64QAM	21.64	21.57	21.61	22.00
	36	LOW	64QAM	20.08	20.20	20.42	21.00
		MID	64QAM	20.45	20.25	20.25	21.00
		HIGH	64QAM	20.50	20.42	20.35	21.00
	75	LOW	64QAM	20.21	20.37	20.23	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	40140	40765	41140	Tune-up power(dBm)
20	1	LOW	QPSK	23.58	23.56	23.66	24.00
		MID	QPSK	23.86	23.76	**23.92**	24.00
		HIGH	QPSK	23.71	23.63	23.71	24.00
	50	LOW	QPSK	22.62	22.73	22.72	23.00
		MID	QPSK	22.81	22.80	22.81	23.00
		HIGH	QPSK	22.78	22.65	22.70	23.00
	100	LOW	QPSK	22.69	22.67	22.68	23.00
20	1	LOW	Q16	22.63	22.46	22.74	23.00
		MID	Q16	**22.88**	22.70	22.78	23.00
		HIGH	Q16	22.70	22.53	22.83	23.00
	50	LOW	Q16	21.38	21.53	21.55	22.00
		MID	Q16	21.59	21.63	21.62	22.00
		HIGH	Q16	21.54	21.47	21.55	22.00
	100	LOW	Q16	21.44	21.48	21.48	22.00
20	1	LOW	64QAM	21.40	21.32	21.53	22.00
		MID	64QAM	21.63	**21.64**	21.45	22.00
		HIGH	64QAM	21.46	21.29	21.48	22.00
	50	LOW	64QAM	20.23	20.30	20.53	21.00
		MID	64QAM	20.24	20.37	20.47	21.00
		HIGH	64QAM	20.52	20.16	20.38	21.00
	100	LOW	64QAM	20.42	20.11	20.42	21.00

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Bandwidth (MHz)	RB Size	RB offest	Modulation	40065	40765	41215	Tune-up power(dBm)
5	1	LOW	QPSK	19.62	19.60	19.58	20.00
		MID	QPSK	**19.75**	19.72	19.70	20.00
		HIGH	QPSK	19.61	19.60	19.56	20.00
	12	LOW	QPSK	19.59	19.57	19.62	20.00
		MID	QPSK	19.72	19.68	19.62	20.00
		HIGH	QPSK	19.64	19.63	19.59	20.00
	25	LOW	QPSK	19.61	19.59	19.62	20.00
5	1	LOW	Q16	19.68	19.75	19.56	20.00
		MID	Q16	19.81	**19.86**	19.74	20.00
		HIGH	Q16	19.67	19.76	19.56	20.00
	12	LOW	Q16	19.38	19.47	19.43	20.00
		MID	Q16	19.49	19.55	19.55	20.00
		HIGH	Q16	19.43	19.49	19.43	20.00
	25	LOW	Q16	19.46	19.44	19.41	20.00
5	1	LOW	64QAM	18.50	18.50	18.33	20.00
		MID	64QAM	18.57	18.66	18.54	20.00
		HIGH	64QAM	18.66	**18.72**	18.49	20.00
	12	LOW	64QAM	18.36	18.41	18.26	20.00
		MID	64QAM	18.42	18.34	18.36	20.00
		HIGH	64QAM	18.13	18.26	18.17	20.00
	25	LOW	64QAM	18.07	18.21	18.31	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	40090	40765	41190	Tune-up power(dBm)
10	1	LOW	QPSK	19.68	19.66	19.71	20.00
		MID	QPSK	19.72	**19.74**	19.73	20.00
		HIGH	QPSK	19.68	19.72	19.67	20.00
	25	LOW	QPSK	19.56	19.63	19.63	20.00
		MID	QPSK	19.64	19.65	19.64	20.00
		HIGH	QPSK	19.67	19.65	19.59	20.00
	50	LOW	QPSK	19.64	19.69	19.65	20.00
10	1	LOW	Q16	19.65	19.84	19.84	20.00
		MID	Q16	19.76	**19.92**	19.88	20.00
		HIGH	Q16	19.73	19.90	19.84	20.00
	25	LOW	Q16	19.39	19.49	19.45	20.00
		MID	Q16	19.45	19.49	19.51	20.00
		HIGH	Q16	19.50	19.46	19.46	20.00
	50	LOW	Q16	19.47	19.49	19.48	20.00
10	1	LOW	64QAM	18.33	18.57	18.52	20.00
		MID	64QAM	18.56	18.75	**18.77**	20.00
		HIGH	64QAM	18.71	18.67	18.46	20.00
	25	LOW	64QAM	18.07	18.28	18.42	20.00
		MID	64QAM	18.23	18.22	18.16	20.00
		HIGH	64QAM	18.40	18.26	18.28	20.00
	50	LOW	64QAM	18.33	18.25	18.31	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	40115	40765	41165	Tune-up power(dBm)
15	1	LOW	QPSK	19.56	19.59	19.59	20.00
		MID	QPSK	**19.76**	19.75	19.74	20.00
		HIGH	QPSK	19.68	19.61	19.58	20.00
	36	LOW	QPSK	19.59	19.65	19.59	20.00
		MID	QPSK	19.71	19.73	19.61	20.00
		HIGH	QPSK	19.69	19.61	19.56	20.00
	75	LOW	QPSK	19.66	19.67	19.60	20.00
15	1	LOW	Q16	19.65	19.83	19.68	20.00
		MID	Q16	19.79	**19.92**	19.83	20.00
		HIGH	Q16	19.67	19.83	19.67	20.00
	36	LOW	Q16	19.35	19.43	19.45	20.00
		MID	Q16	19.48	19.47	19.48	20.00
		HIGH	Q16	19.48	19.40	19.41	20.00
	75	LOW	Q16	19.43	19.46	19.43	20.00
15	1	LOW	64QAM	18.63	18.68	18.56	20.00
		MID	64QAM	18.58	18.65	**18.73**	20.00
		HIGH	64QAM	18.48	18.51	18.62	20.00
	36	LOW	64QAM	18.02	18.34	18.32	20.00
		MID	64QAM	18.28	18.42	18.25	20.00
		HIGH	64QAM	18.29	18.38	18.07	20.00
	75	LOW	64QAM	18.08	18.14	18.31	20.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	40140	40765	41140	Tune-up power(dBm)
20	1	LOW	QPSK	19.48	19.48	19.54	20.00
		MID	QPSK	19.76	19.71	**19.81**	20.00
		HIGH	QPSK	19.60	19.48	19.59	20.00
	50	LOW	QPSK	19.54	19.62	19.61	20.00
		MID	QPSK	19.71	19.69	19.72	20.00
		HIGH	QPSK	19.65	19.59	19.60	20.00
	100	LOW	QPSK	19.60	19.61	19.56	20.00
20	1	LOW	Q16	19.57	19.42	19.66	20.00
		MID	Q16	19.84	19.70	**19.93**	20.00
		HIGH	Q16	19.67	19.49	19.72	20.00
	50	LOW	Q16	19.32	19.46	19.45	20.00
		MID	Q16	19.51	19.54	19.56	20.00
		HIGH	Q16	19.44	19.42	19.45	20.00
	100	LOW	Q16	19.37	19.42	19.40	20.00
20	1	LOW	64QAM	18.44	18.40	18.30	20.00
		MID	64QAM	18.50	18.64	**18.89**	20.00
		HIGH	64QAM	18.31	18.43	18.35	20.00
	50	LOW	64QAM	18.23	18.32	18.12	20.00
		MID	64QAM	18.50	18.30	18.42	20.00
		HIGH	64QAM	18.22	18.20	18.44	20.00
	100	LOW	64QAM	18.15	18.27	18.30	20.00

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Bandwidth (MHz)	RB Size	RB offest	Modulation	40065	40765	41215	Tune-up power(dBm)
5	1	LOW	QPSK	18.80	18.77	18.79	19.00
		MID	QPSK	**18.93**	18.89	18.91	19.00
		HIGH	QPSK	18.79	18.76	18.78	19.00
	12	LOW	QPSK	18.77	18.75	18.78	19.00
		MID	QPSK	18.84	18.87	18.87	19.00
		HIGH	QPSK	18.82	18.76	18.79	19.00
	25	LOW	QPSK	18.81	18.79	18.81	19.00
5	1	LOW	Q16	18.60	18.66	18.75	19.00
		MID	Q16	18.74	18.80	18.90	19.00
		HIGH	Q16	18.60	18.64	18.78	19.00
	12	LOW	Q16	18.83	18.77	18.90	19.00
		MID	Q16	18.89	18.86	**18.95**	19.00
		HIGH	Q16	18.84	18.81	18.90	19.00
	25	LOW	Q16	18.86	18.87	18.85	19.00
5	1	LOW	64QAM	17.22	17.29	17.57	19.00
		MID	64QAM	17.59	17.57	17.82	19.00
		HIGH	64QAM	17.46	17.29	17.56	19.00
	12	LOW	64QAM	17.51	17.60	17.73	19.00
		MID	64QAM	**17.86**	17.71	17.66	19.00
		HIGH	64QAM	17.65	17.70	17.74	19.00
	25	LOW	64QAM	17.53	17.65	17.58	19.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	40090	40765	41190	Tune-up power(dBm)
10	1	LOW	QPSK	18.81	18.89	18.86	19.00
		MID	QPSK	**18.93**	18.92	18.92	19.00
		HIGH	QPSK	18.87	18.87	18.88	19.00
	25	LOW	QPSK	18.75	18.84	18.82	19.00
		MID	QPSK	18.85	18.85	18.85	19.00
		HIGH	QPSK	18.87	18.82	18.80	19.00
	50	LOW	QPSK	18.89	18.88	18.85	19.00
10	1	LOW	Q16	18.71	18.86	18.86	19.00
		MID	Q16	18.79	**18.97**	18.89	19.00
		HIGH	Q16	18.74	18.93	18.87	19.00
	25	LOW	Q16	18.80	18.89	18.86	19.00
		MID	Q16	18.86	18.89	18.93	19.00
		HIGH	Q16	18.91	18.89	18.87	19.00
	50	LOW	Q16	18.86	18.91	18.87	19.00
10	1	LOW	64QAM	17.69	17.76	17.69	19.00
		MID	64QAM	17.59	17.69	17.83	19.00
		HIGH	64QAM	17.69	17.88	17.78	19.00
	25	LOW	64QAM	17.45	17.60	17.54	19.00
		MID	64QAM	17.77	**17.88**	17.59	19.00
		HIGH	64QAM	17.63	17.50	17.57	19.00
	50	LOW	64QAM	17.53	17.83	17.51	19.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	40115	40765	41165	Tune-up power(dBm)
15	1	LOW	QPSK	18.75	18.83	18.76	19.00
		MID	QPSK	18.93	18.93	**18.94**	19.00
		HIGH	QPSK	18.89	18.82	18.80	19.00
	36	LOW	QPSK	18.76	18.83	18.80	19.00
		MID	QPSK	18.86	18.87	18.79	19.00
		HIGH	QPSK	18.87	18.77	18.76	19.00
	75	LOW	QPSK	18.84	18.82	18.82	19.00
15	1	LOW	Q16	18.63	18.84	18.71	19.00
		MID	Q16	18.83	**18.97**	18.81	19.00
		HIGH	Q16	18.70	18.85	18.70	19.00
	36	LOW	Q16	18.76	18.81	18.85	19.00
		MID	Q16	18.87	18.87	18.88	19.00
		HIGH	Q16	18.91	18.80	18.82	19.00
	75	LOW	Q16	18.84	18.85	18.83	19.00
15	1	LOW	64QAM	17.39	17.58	17.70	19.00
		MID	64QAM	17.70	17.75	17.71	19.00
		HIGH	64QAM	17.64	17.75	17.59	19.00
	36	LOW	64QAM	17.41	17.49	17.56	19.00
		MID	64QAM	17.71	**17.86**	17.70	19.00
		HIGH	64QAM	17.82	17.79	17.63	19.00
	75	LOW	64QAM	17.58	17.83	17.75	19.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	40140	40765	41140	Tune-up power(dBm)
20	1	LOW	QPSK	18.66	18.65	18.76	19.00
		MID	QPSK	18.92	18.89	**18.95**	19.00
		HIGH	QPSK	18.80	18.68	18.81	19.00
	50	LOW	QPSK	18.74	18.84	18.81	19.00
		MID	QPSK	18.87	18.89	18.92	19.00
		HIGH	QPSK	18.89	18.78	18.80	19.00
	100	LOW	QPSK	18.82	18.80	18.79	19.00
20	1	LOW	Q16	18.59	18.45	18.66	19.00
		MID	Q16	18.84	18.72	18.91	19.00
		HIGH	Q16	18.67	18.53	18.72	19.00
	50	LOW	Q16	18.68	18.81	18.85	19.00
		MID	Q16	18.90	18.93	**18.95**	19.00
		HIGH	Q16	18.87	18.81	18.85	19.00
	100	LOW	Q16	18.79	18.86	18.81	19.00
20	1	LOW	64QAM	17.44	17.19	17.32	19.00
		MID	64QAM	17.71	17.38	17.66	19.00
		HIGH	64QAM	17.34	17.49	17.62	19.00
	50	LOW	64QAM	17.46	17.74	**17.77**	19.00
		MID	64QAM	17.59	17.63	17.77	19.00
		HIGH	64QAM	17.72	17.58	17.52	19.00
	100	LOW	64QAM	17.43	17.61	17.51	19.00

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Bandwidth (MHz)	RB Size	RB offest	Modulation	40065	40765	41215	Tune-up power(dBm)
5	1	LOW	QPSK	23.67	23.65	23.72	24.00
		MID	QPSK	23.79	23.78	**23.87**	24.00
		HIGH	QPSK	23.68	23.65	23.74	24.00
	12	LOW	QPSK	22.66	22.66	22.70	23.00
		MID	QPSK	22.73	22.73	22.73	23.00
		HIGH	QPSK	22.72	22.65	22.72	23.00
	25	LOW	QPSK	22.70	22.67	22.73	23.00
5	1	LOW	Q16	22.61	22.66	22.79	23.00
		MID	Q16	22.78	22.80	**22.95**	23.00
		HIGH	Q16	22.63	22.64	22.82	23.00
	12	LOW	Q16	21.50	21.47	21.57	22.00
		MID	Q16	21.53	21.51	21.61	22.00
		HIGH	Q16	21.54	21.44	21.59	22.00
	25	LOW	Q16	21.49	21.50	21.52	22.00
5	1	LOW	64QAM	21.50	21.63	21.49	22.00
		MID	64QAM	21.50	21.63	**21.82**	22.00
		HIGH	64QAM	21.34	21.26	21.66	22.00
	12	LOW	64QAM	20.45	20.27	20.56	21.00
		MID	64QAM	20.39	20.40	20.47	21.00
		HIGH	64QAM	20.44	20.35	20.57	21.00
	25	LOW	64QAM	20.29	20.45	20.44	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	40090	40765	41190	Tune-up power(dBm)
10	1	LOW	QPSK	23.69	23.73	23.80	24.00
		MID	QPSK	23.77	23.78	**23.84**	24.00
		HIGH	QPSK	23.74	23.76	23.81	24.00
	25	LOW	QPSK	22.63	22.71	22.70	23.00
		MID	QPSK	22.73	22.74	22.75	23.00
		HIGH	QPSK	22.77	22.70	22.71	23.00
	50	LOW	QPSK	22.70	22.74	22.73	23.00
10	1	LOW	Q16	22.69	22.84	22.87	23.00
		MID	Q16	22.79	**22.90**	**22.90**	23.00
		HIGH	Q16	22.75	22.89	22.88	23.00
	25	LOW	Q16	21.45	21.52	21.53	22.00
		MID	Q16	21.52	21.55	21.59	22.00
		HIGH	Q16	21.56	21.52	21.53	22.00
	50	LOW	Q16	21.51	21.53	21.52	22.00
10	1	LOW	64QAM	21.64	21.50	21.63	22.00
		MID	64QAM	21.65	21.63	**21.77**	22.00
		HIGH	64QAM	21.39	21.68	21.52	22.00
	25	LOW	64QAM	20.11	20.45	20.27	21.00
		MID	64QAM	20.42	20.43	20.58	21.00
		HIGH	64QAM	20.47	20.46	20.19	21.00
	50	LOW	64QAM	20.27	20.39	20.37	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	40115	40765	41165	Tune-up power(dBm)
15	1	LOW	QPSK	23.64	23.69	23.74	24.00
		MID	QPSK	23.81	23.79	**23.88**	24.00
		HIGH	QPSK	23.73	23.72	23.75	24.00
	36	LOW	QPSK	22.68	22.78	22.78	23.00
		MID	QPSK	22.79	22.82	22.79	23.00
		HIGH	QPSK	22.81	22.75	22.73	23.00
	75	LOW	QPSK	22.75	22.84	22.78	23.00
15	1	LOW	Q16	22.71	22.81	22.77	23.00
		MID	Q16	22.80	**22.93**	22.90	23.00
		HIGH	Q16	22.70	22.83	22.76	23.00
	36	LOW	Q16	21.41	21.52	21.53	22.00
		MID	Q16	21.55	21.56	21.60	22.00
		HIGH	Q16	21.55	21.48	21.55	22.00
	75	LOW	Q16	21.52	21.55	21.54	22.00
15	1	LOW	64QAM	21.46	21.58	21.70	22.00
		MID	64QAM	21.70	**21.76**	21.55	22.00
		HIGH	64QAM	21.64	21.57	21.61	22.00
	36	LOW	64QAM	20.08	20.20	20.42	21.00
		MID	64QAM	20.45	20.25	20.25	21.00
		HIGH	64QAM	20.50	20.42	20.35	21.00
	75	LOW	64QAM	20.21	20.37	20.23	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	40140	40765	41140	Tune-up power(dBm)
20	1	LOW	QPSK	23.58	23.56	23.66	24.00
		MID	QPSK	23.86	23.76	**23.92**	24.00
		HIGH	QPSK	23.71	23.63	23.71	24.00
	50	LOW	QPSK	22.62	22.73	22.72	23.00
		MID	QPSK	22.81	22.80	22.81	23.00
		HIGH	QPSK	22.78	22.65	22.70	23.00
	100	LOW	QPSK	22.69	22.67	22.68	23.00
20	1	LOW	Q16	22.63	22.46	22.74	23.00
		MID	Q16	**22.88**	22.70	22.78	23.00
		HIGH	Q16	22.70	22.53	22.83	23.00
	50	LOW	Q16	21.38	21.53	21.55	22.00
		MID	Q16	21.59	21.63	21.62	22.00
		HIGH	Q16	21.54	21.47	21.55	22.00
	100	LOW	Q16	21.44	21.48	21.48	22.00
20	1	LOW	64QAM	21.40	21.32	21.53	22.00
		MID	64QAM	21.63	**21.64**	21.45	22.00
		HIGH	64QAM	21.46	21.29	21.48	22.00
	50	LOW	64QAM	20.23	20.30	20.53	21.00
		MID	64QAM	20.24	20.37	20.47	21.00
		HIGH	64QAM	20.52	20.16	20.38	21.00
	100	LOW	64QAM	20.42	20.11	20.42	21.00

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Bandwidth (MHz)	RB Size	RB offest	Modulation	40065	40765	41215	Tune-up power(dBm)
5	1	LOW	QPSK	22.85	22.83	22.84	23.00
		MID	QPSK	**22.99**	22.98	22.82	23.00
		HIGH	QPSK	22.84	22.81	22.88	23.00
	12	LOW	QPSK	22.84	22.83	22.87	23.00
		MID	QPSK	22.89	22.85	22.93	23.00
		HIGH	QPSK	22.89	22.84	22.85	23.00
	25	LOW	QPSK	22.87	22.85	22.89	23.00
5	1	LOW	Q16	22.60	22.63	22.79	23.00
		MID	Q16	22.75	22.77	**22.94**	23.00
		HIGH	Q16	22.63	22.63	22.80	23.00
	12	LOW	Q16	21.88	21.84	21.94	22.00
		MID	Q16	21.91	21.88	21.95	22.00
		HIGH	Q16	21.92	21.81	21.93	22.00
	25	LOW	Q16	21.89	21.88	21.90	22.00
5	1	LOW	64QAM	21.22	21.32	21.42	22.00
		MID	64QAM	21.37	21.57	**21.84**	22.00
		HIGH	64QAM	21.50	21.26	21.64	22.00
	12	LOW	64QAM	20.56	20.56	20.65	21.00
		MID	64QAM	20.74	20.78	20.97	21.00
		HIGH	64QAM	20.77	20.42	20.63	21.00
	25	LOW	64QAM	20.87	20.64	20.84	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	40090	40765	41190	Tune-up power(dBm)
10	1	LOW	QPSK	22.88	22.89	22.96	23.00
		MID	QPSK	22.96	22.85	22.91	23.00
		HIGH	QPSK	22.91	22.93	**22.97**	23.00
	25	LOW	QPSK	22.82	22.90	22.89	23.00
		MID	QPSK	22.90	22.92	22.93	23.00
		HIGH	QPSK	22.95	22.88	22.90	23.00
	50	LOW	QPSK	22.91	22.91	22.88	23.00
10	1	LOW	Q16	22.71	22.82	22.87	23.00
		MID	Q16	22.76	**22.91**	22.90	23.00
		HIGH	Q16	22.74	22.87	22.86	23.00
	25	LOW	Q16	21.82	21.90	21.90	22.00
		MID	Q16	21.92	21.93	21.94	22.00
		HIGH	Q16	21.93	21.91	21.92	22.00
	50	LOW	Q16	21.90	21.94	21.95	22.00
10	1	LOW	64QAM	21.45	21.55	21.55	22.00
		MID	64QAM	21.51	21.70	21.73	22.00
		HIGH	64QAM	21.47	21.48	**21.81**	22.00
	25	LOW	64QAM	20.54	20.83	20.65	21.00
		MID	64QAM	20.68	20.84	20.85	21.00
		HIGH	64QAM	20.89	20.58	20.55	21.00
	50	LOW	64QAM	20.76	20.85	20.89	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	40115	40765	41165	Tune-up power(dBm)
15	1	LOW	QPSK	22.83	22.86	22.89	23.00
		MID	QPSK	22.97	22.97	22.93	23.00
		HIGH	QPSK	22.89	22.87	22.89	23.00
	36	LOW	QPSK	22.82	22.94	22.92	23.00
		MID	QPSK	22.95	22.80	22.96	23.00
		HIGH	QPSK	**22.99**	22.90	22.90	23.00
	75	LOW	QPSK	22.96	22.98	22.95	23.00
15	1	LOW	Q16	22.62	22.78	22.77	23.00
		MID	Q16	22.80	**22.92**	22.89	23.00
		HIGH	Q16	22.69	22.83	22.72	23.00
	36	LOW	Q16	21.82	21.89	21.93	22.00
		MID	Q16	21.90	21.93	21.98	22.00
		HIGH	Q16	21.94	21.86	21.91	22.00
	75	LOW	Q16	21.90	21.94	21.92	22.00
15	1	LOW	64QAM	21.25	21.56	21.53	22.00
		MID	64QAM	21.70	**21.85**	21.80	22.00
		HIGH	64QAM	21.68	21.78	21.46	22.00
	36	LOW	64QAM	20.58	20.68	20.58	21.00
		MID	64QAM	20.62	20.88	20.79	21.00
		HIGH	64QAM	20.80	20.73	20.70	21.00
	75	LOW	64QAM	20.65	20.63	20.64	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	40140	40765	41140	Tune-up power(dBm)
20	1	LOW	QPSK	22.75	22.70	22.87	23.00
		MID	QPSK	22.93	22.94	22.96	23.00
		HIGH	QPSK	22.85	22.77	22.92	23.00
	50	LOW	QPSK	22.80	22.91	22.93	23.00
		MID	QPSK	22.97	22.94	**22.98**	23.00
		HIGH	QPSK	22.93	22.85	22.91	23.00
	100	LOW	QPSK	22.84	22.85	22.87	23.00
20	1	LOW	Q16	22.60	22.44	22.74	23.00
		MID	Q16	22.83	22.71	**22.97**	23.00
		HIGH	Q16	22.69	22.50	22.81	23.00
	50	LOW	Q16	21.74	21.90	21.94	22.00
		MID	Q16	21.94	21.97	21.82	22.00
		HIGH	Q16	21.89	21.84	21.92	22.00
	100	LOW	Q16	21.83	21.84	21.87	22.00
20	1	LOW	64QAM	21.54	21.32	21.38	22.00
		MID	64QAM	21.57	21.49	21.67	22.00
		HIGH	64QAM	21.64	21.31	**21.72**	22.00
	50	LOW	64QAM	20.41	20.75	20.83	21.00
		MID	64QAM	20.79	20.64	20.81	21.00
		HIGH	64QAM	20.79	20.62	20.65	21.00
	100	LOW	64QAM	20.78	20.57	20.86	21.00

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Bandwidth (MHz)	RB Size	RB offest	Modulation	40065	40765	41215	Tune-up power(dBm)
5	1	LOW	QPSK	23.37	23.50	23.63	24.00
		MID	QPSK	23.49	23.69	**23.75**	24.00
		HIGH	QPSK	23.38	23.53	23.60	24.00
	12	LOW	QPSK	22.35	22.52	22.60	23.00
		MID	QPSK	22.45	22.59	22.65	23.00
		HIGH	QPSK	22.43	22.53	22.57	23.00
	25	LOW	QPSK	22.37	22.50	22.59	23.00
5	1	LOW	Q16	22.54	22.74	**22.90**	23.00
		MID	Q16	22.68	22.86	22.85	23.00
		HIGH	Q16	22.54	22.72	22.88	23.00
	12	LOW	Q16	21.42	21.50	21.67	22.00
		MID	Q16	21.47	21.62	21.73	22.00
		HIGH	Q16	21.43	21.51	21.66	22.00
	25	LOW	Q16	21.39	21.59	21.63	22.00
5	1	LOW	64QAM	21.16	21.60	21.57	22.00
		MID	64QAM	21.66	21.74	**21.79**	22.00
		HIGH	64QAM	21.51	21.69	21.50	22.00
	12	LOW	64QAM	20.40	20.20	20.54	21.00
		MID	64QAM	20.29	20.37	20.66	21.00
		HIGH	64QAM	20.25	20.40	20.43	21.00
	25	LOW	64QAM	20.14	20.28	20.61	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	40090	40765	41190	Tune-up power(dBm)
10	1	LOW	QPSK	23.41	23.60	23.67	24.00
		MID	QPSK	23.47	23.67	**23.73**	24.00
		HIGH	QPSK	23.48	23.67	23.71	24.00
	25	LOW	QPSK	22.35	22.56	22.60	23.00
		MID	QPSK	22.44	22.59	22.64	23.00
		HIGH	QPSK	22.45	22.58	22.59	23.00
	50	LOW	QPSK	22.45	22.60	22.62	23.00
10	1	LOW	Q16	22.59	22.91	22.96	23.00
		MID	Q16	22.70	22.97	**22.98**	23.00
		HIGH	Q16	22.66	22.94	22.96	23.00
	25	LOW	Q16	21.36	21.59	21.62	22.00
		MID	Q16	21.41	21.61	21.67	22.00
		HIGH	Q16	21.47	21.58	21.63	22.00
	50	LOW	Q16	21.43	21.61	21.63	22.00
10	1	LOW	64QAM	21.21	21.70	**21.86**	22.00
		MID	64QAM	21.60	21.62	21.65	22.00
		HIGH	64QAM	21.38	21.85	21.73	22.00
	25	LOW	64QAM	20.25	20.40	20.45	21.00
		MID	64QAM	20.12	20.56	20.29	21.00
		HIGH	64QAM	20.11	20.33	20.38	21.00
	50	LOW	64QAM	20.18	20.26	20.48	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	40115	40765	41165	Tune-up power(dBm)
15	1	LOW	QPSK	23.32	23.50	23.63	24.00
		MID	QPSK	23.48	23.64	**23.74**	24.00
		HIGH	QPSK	23.43	23.55	23.59	24.00
	36	LOW	QPSK	22.33	22.63	22.62	23.00
		MID	QPSK	22.47	22.64	22.64	23.00
		HIGH	QPSK	22.50	22.61	22.60	23.00
	75	LOW	QPSK	22.48	22.65	22.67	23.00
15	1	LOW	Q16	22.53	22.85	22.80	23.00
		MID	Q16	22.71	**22.98**	22.96	23.00
		HIGH	Q16	22.63	22.90	22.81	23.00
	36	LOW	Q16	21.33	21.52	21.60	22.00
		MID	Q16	21.44	21.57	21.67	22.00
		HIGH	Q16	21.46	21.53	21.59	22.00
	75	LOW	Q16	21.43	21.60	21.59	22.00
15	1	LOW	64QAM	21.22	21.60	21.46	22.00
		MID	64QAM	21.45	**21.90**	21.83	22.00
		HIGH	64QAM	21.24	21.78	21.43	22.00
	36	LOW	64QAM	20.02	20.40	20.36	21.00
		MID	64QAM	20.21	20.49	20.59	21.00
		HIGH	64QAM	20.09	20.42	20.58	21.00
	75	LOW	64QAM	20.32	20.41	20.49	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	40140	40765	41140	Tune-up power(dBm)
20	1	LOW	QPSK	23.25	23.40	23.53	24.00
		MID	QPSK	23.53	23.66	**23.80**	24.00
		HIGH	QPSK	23.39	23.46	23.59	24.00
	50	LOW	QPSK	22.31	22.55	22.59	23.00
		MID	QPSK	22.49	22.62	22.65	23.00
		HIGH	QPSK	22.47	22.57	22.58	23.00
	100	LOW	QPSK	22.36	22.53	22.54	23.00
20	1	LOW	Q16	22.47	22.50	22.80	23.00
		MID	Q16	22.75	22.77	22.85	23.00
		HIGH	Q16	22.61	22.59	**22.89**	23.00
	50	LOW	Q16	21.29	21.58	21.62	22.00
		MID	Q16	21.48	21.67	21.70	22.00
		HIGH	Q16	21.40	21.53	21.61	22.00
	100	LOW	Q16	21.33	21.52	21.56	22.00
20	1	LOW	64QAM	21.36	21.36	21.56	22.00
		MID	64QAM	21.67	21.60	21.71	22.00
		HIGH	64QAM	21.35	21.27	**21.88**	22.00
	50	LOW	64QAM	20.15	20.36	20.30	21.00
		MID	64QAM	20.12	20.32	20.42	21.00
		HIGH	64QAM	20.23	20.31	20.59	21.00
	100	LOW	64QAM	20.03	20.21	20.41	21.00

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Bandwidth (MHz)	RB Size	RB offest	Modulation	40065	40765	41215	Tune-up power(dBm)
5	1	LOW	QPSK	23.37	23.50	23.63	24.00
		MID	QPSK	23.49	23.69	**23.75**	24.00
		HIGH	QPSK	23.38	23.53	23.60	24.00
	12	LOW	QPSK	22.35	22.52	22.60	23.00
		MID	QPSK	22.45	22.59	22.65	23.00
		HIGH	QPSK	22.43	22.53	22.57	23.00
	25	LOW	QPSK	22.37	22.50	22.59	23.00
5	1	LOW	Q16	22.54	22.74	**22.90**	23.00
		MID	Q16	22.68	22.86	22.85	23.00
		HIGH	Q16	22.54	22.72	22.88	23.00
	12	LOW	Q16	21.42	21.50	21.67	22.00
		MID	Q16	21.47	21.62	21.73	22.00
		HIGH	Q16	21.43	21.51	21.66	22.00
	25	LOW	Q16	21.39	21.59	21.63	22.00
5	1	LOW	64QAM	21.16	21.60	21.57	22.00
		MID	64QAM	21.66	21.74	**21.79**	22.00
		HIGH	64QAM	21.51	21.69	21.50	22.00
	12	LOW	64QAM	20.40	20.20	20.54	21.00
		MID	64QAM	20.29	20.37	20.66	21.00
		HIGH	64QAM	20.25	20.40	20.43	21.00
	25	LOW	64QAM	20.14	20.28	20.61	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	40090	40765	41190	Tune-up power(dBm)
10	1	LOW	QPSK	23.41	23.60	23.67	24.00
		MID	QPSK	23.47	23.67	**23.73**	24.00
		HIGH	QPSK	23.48	23.67	23.71	24.00
	25	LOW	QPSK	22.35	22.56	22.60	23.00
		MID	QPSK	22.44	22.59	22.64	23.00
		HIGH	QPSK	22.45	22.58	22.59	23.00
	50	LOW	QPSK	22.45	22.60	22.62	23.00
10	1	LOW	Q16	22.59	22.91	22.96	23.00
		MID	Q16	22.70	22.97	**22.98**	23.00
		HIGH	Q16	22.66	22.94	22.96	23.00
	25	LOW	Q16	21.36	21.59	21.62	22.00
		MID	Q16	21.41	21.61	21.67	22.00
		HIGH	Q16	21.47	21.58	21.63	22.00
	50	LOW	Q16	21.43	21.61	21.63	22.00
10	1	LOW	64QAM	21.21	21.70	**21.86**	22.00
		MID	64QAM	21.60	21.62	21.65	22.00
		HIGH	64QAM	21.38	21.85	21.73	22.00
	25	LOW	64QAM	20.25	20.40	20.45	21.00
		MID	64QAM	20.12	20.56	20.29	21.00
		HIGH	64QAM	20.11	20.33	20.38	21.00
	50	LOW	64QAM	20.18	20.26	20.48	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	40115	40765	41165	Tune-up power(dBm)
15	1	LOW	QPSK	23.32	23.50	23.63	24.00
		MID	QPSK	23.48	23.64	**23.74**	24.00
		HIGH	QPSK	23.43	23.55	23.59	24.00
	36	LOW	QPSK	22.33	22.63	22.62	23.00
		MID	QPSK	22.47	22.64	22.64	23.00
		HIGH	QPSK	22.50	22.61	22.60	23.00
	75	LOW	QPSK	22.48	22.65	22.67	23.00
15	1	LOW	Q16	22.53	22.85	22.80	23.00
		MID	Q16	22.71	**22.98**	22.96	23.00
		HIGH	Q16	22.63	22.90	22.81	23.00
	36	LOW	Q16	21.33	21.52	21.60	22.00
		MID	Q16	21.44	21.57	21.67	22.00
		HIGH	Q16	21.46	21.53	21.59	22.00
	75	LOW	Q16	21.43	21.60	21.59	22.00
15	1	LOW	64QAM	21.22	21.60	21.46	22.00
		MID	64QAM	21.45	**21.90**	21.83	22.00
		HIGH	64QAM	21.24	21.78	21.43	22.00
	36	LOW	64QAM	20.02	20.40	20.36	21.00
		MID	64QAM	20.21	20.49	20.59	21.00
		HIGH	64QAM	20.09	20.42	20.58	21.00
	75	LOW	64QAM	20.32	20.41	20.49	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	40140	40765	41140	Tune-up power(dBm)
20	1	LOW	QPSK	23.25	23.40	23.53	24.00
		MID	QPSK	23.53	23.66	**23.80**	24.00
		HIGH	QPSK	23.39	23.46	23.59	24.00
	50	LOW	QPSK	22.31	22.55	22.59	23.00
		MID	QPSK	22.49	22.62	22.65	23.00
		HIGH	QPSK	22.47	22.57	22.58	23.00
	100	LOW	QPSK	22.36	22.53	22.54	23.00
20	1	LOW	Q16	22.47	22.50	22.80	23.00
		MID	Q16	22.75	22.77	22.85	23.00
		HIGH	Q16	22.61	22.59	**22.89**	23.00
	50	LOW	Q16	21.29	21.58	21.62	22.00
		MID	Q16	21.48	21.67	21.70	22.00
		HIGH	Q16	21.40	21.53	21.61	22.00
	100	LOW	Q16	21.33	21.52	21.56	22.00
20	1	LOW	64QAM	21.36	21.36	21.56	22.00
		MID	64QAM	21.67	21.60	21.71	22.00
		HIGH	64QAM	21.35	21.27	**21.88**	22.00
	50	LOW	64QAM	20.15	20.36	20.30	21.00
		MID	64QAM	20.12	20.32	20.42	21.00
		HIGH	64QAM	20.23	20.31	20.59	21.00
	100	LOW	64QAM	20.03	20.21	20.41	21.00

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Bandwidth (MHz)	RB Size	RB offest	Modulation	40065	40765	41215	Tune-up power(dBm)
5	1	LOW	QPSK	23.37	23.50	23.63	24.00
		MID	QPSK	23.49	23.69	**23.75**	24.00
		HIGH	QPSK	23.38	23.53	23.60	24.00
	12	LOW	QPSK	22.35	22.52	22.60	23.00
		MID	QPSK	22.45	22.59	22.65	23.00
		HIGH	QPSK	22.43	22.53	22.57	23.00
	25	LOW	QPSK	22.37	22.50	22.59	23.00
5	1	LOW	Q16	22.54	22.74	**22.90**	23.00
		MID	Q16	22.68	22.86	22.85	23.00
		HIGH	Q16	22.54	22.72	22.88	23.00
	12	LOW	Q16	21.42	21.50	21.67	22.00
		MID	Q16	21.47	21.62	21.73	22.00
		HIGH	Q16	21.43	21.51	21.66	22.00
	25	LOW	Q16	21.39	21.59	21.63	22.00
5	1	LOW	64QAM	21.16	21.60	21.57	22.00
		MID	64QAM	21.66	21.74	**21.79**	22.00
		HIGH	64QAM	21.51	21.69	21.50	22.00
	12	LOW	64QAM	20.40	20.20	20.54	21.00
		MID	64QAM	20.29	20.37	20.66	21.00
		HIGH	64QAM	20.25	20.40	20.43	21.00
	25	LOW	64QAM	20.14	20.28	20.61	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	40090	40765	41190	Tune-up power(dBm)
10	1	LOW	QPSK	23.41	23.60	23.67	24.00
		MID	QPSK	23.47	23.67	**23.73**	24.00
		HIGH	QPSK	23.48	23.67	23.71	24.00
	25	LOW	QPSK	22.35	22.56	22.60	23.00
		MID	QPSK	22.44	22.59	22.64	23.00
		HIGH	QPSK	22.45	22.58	22.59	23.00
	50	LOW	QPSK	22.45	22.60	22.62	23.00
10	1	LOW	Q16	22.59	22.91	22.96	23.00
		MID	Q16	22.70	22.97	**22.98**	23.00
		HIGH	Q16	22.66	22.94	22.96	23.00
	25	LOW	Q16	21.36	21.59	21.62	22.00
		MID	Q16	21.41	21.61	21.67	22.00
		HIGH	Q16	21.47	21.58	21.63	22.00
	50	LOW	Q16	21.43	21.61	21.63	22.00
10	1	LOW	64QAM	21.21	21.70	**21.86**	22.00
		MID	64QAM	21.60	21.62	21.65	22.00
		HIGH	64QAM	21.38	21.85	21.73	22.00
	25	LOW	64QAM	20.25	20.40	20.45	21.00
		MID	64QAM	20.12	20.56	20.29	21.00
		HIGH	64QAM	20.11	20.33	20.38	21.00
	50	LOW	64QAM	20.18	20.26	20.48	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	40115	40765	41165	Tune-up power(dBm)
15	1	LOW	QPSK	23.32	23.50	23.63	24.00
		MID	QPSK	23.48	23.64	**23.74**	24.00
		HIGH	QPSK	23.43	23.55	23.59	24.00
	36	LOW	QPSK	22.33	22.63	22.62	23.00
		MID	QPSK	22.47	22.64	22.64	23.00
		HIGH	QPSK	22.50	22.61	22.60	23.00
	75	LOW	QPSK	22.48	22.65	22.67	23.00
15	1	LOW	Q16	22.53	22.85	22.80	23.00
		MID	Q16	22.71	**22.98**	22.96	23.00
		HIGH	Q16	22.63	22.90	22.81	23.00
	36	LOW	Q16	21.33	21.52	21.60	22.00
		MID	Q16	21.44	21.57	21.67	22.00
		HIGH	Q16	21.46	21.53	21.59	22.00
	75	LOW	Q16	21.43	21.60	21.59	22.00
15	1	LOW	64QAM	21.22	21.60	21.46	22.00
		MID	64QAM	21.45	**21.90**	21.83	22.00
		HIGH	64QAM	21.24	21.78	21.43	22.00
	36	LOW	64QAM	20.02	20.40	20.36	21.00
		MID	64QAM	20.21	20.49	20.59	21.00
		HIGH	64QAM	20.09	20.42	20.58	21.00
	75	LOW	64QAM	20.32	20.41	20.49	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	40140	40765	41140	Tune-up power(dBm)
20	1	LOW	QPSK	23.25	23.40	23.53	24.00
		MID	QPSK	23.53	23.66	**23.80**	24.00
		HIGH	QPSK	23.39	23.46	23.59	24.00
	50	LOW	QPSK	22.31	22.55	22.59	23.00
		MID	QPSK	22.49	22.62	22.65	23.00
		HIGH	QPSK	22.47	22.57	22.58	23.00
	100	LOW	QPSK	22.36	22.53	22.54	23.00
20	1	LOW	Q16	22.47	22.50	22.80	23.00
		MID	Q16	22.75	22.77	22.85	23.00
		HIGH	Q16	22.61	22.59	**22.89**	23.00
	50	LOW	Q16	21.29	21.58	21.62	22.00
		MID	Q16	21.48	21.67	21.70	22.00
		HIGH	Q16	21.40	21.53	21.61	22.00
	100	LOW	Q16	21.33	21.52	21.56	22.00
20	1	LOW	64QAM	21.36	21.36	21.56	22.00
		MID	64QAM	21.67	21.60	21.71	22.00
		HIGH	64QAM	21.35	21.27	**21.88**	22.00
	50	LOW	64QAM	20.15	20.36	20.30	21.00
		MID	64QAM	20.12	20.32	20.42	21.00
		HIGH	64QAM	20.23	20.31	20.59	21.00
	100	LOW	64QAM	20.03	20.21	20.41	21.00

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Bandwidth (MHz)	RB Size	RB offest	Modulation	40065	40765	41215	Tune-up power(dBm)
5	1	LOW	QPSK	23.37	23.50	23.63	24.00
		MID	QPSK	23.49	23.69	**23.75**	24.00
		HIGH	QPSK	23.38	23.53	23.60	24.00
	12	LOW	QPSK	22.35	22.52	22.60	23.00
		MID	QPSK	22.45	22.59	22.65	23.00
		HIGH	QPSK	22.43	22.53	22.57	23.00
	25	LOW	QPSK	22.37	22.50	22.59	23.00
5	1	LOW	Q16	22.54	22.74	**22.90**	23.00
		MID	Q16	22.68	22.86	22.85	23.00
		HIGH	Q16	22.54	22.72	22.88	23.00
	12	LOW	Q16	21.42	21.50	21.67	22.00
		MID	Q16	21.47	21.62	21.73	22.00
		HIGH	Q16	21.43	21.51	21.66	22.00
	25	LOW	Q16	21.39	21.59	21.63	22.00
5	1	LOW	64QAM	21.16	21.60	21.57	22.00
		MID	64QAM	21.66	21.74	**21.79**	22.00
		HIGH	64QAM	21.51	21.69	21.50	22.00
	12	LOW	64QAM	20.40	20.20	20.54	21.00
		MID	64QAM	20.29	20.37	20.66	21.00
		HIGH	64QAM	20.25	20.40	20.43	21.00
	25	LOW	64QAM	20.14	20.28	20.61	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	40090	40765	41190	Tune-up power(dBm)
10	1	LOW	QPSK	23.41	23.60	23.67	24.00
		MID	QPSK	23.47	23.67	**23.73**	24.00
		HIGH	QPSK	23.48	23.67	23.71	24.00
	25	LOW	QPSK	22.35	22.56	22.60	23.00
		MID	QPSK	22.44	22.59	22.64	23.00
		HIGH	QPSK	22.45	22.58	22.59	23.00
	50	LOW	QPSK	22.45	22.60	22.62	23.00
10	1	LOW	Q16	22.59	22.91	22.96	23.00
		MID	Q16	22.70	22.97	**22.98**	23.00
		HIGH	Q16	22.66	22.94	22.96	23.00
	25	LOW	Q16	21.36	21.59	21.62	22.00
		MID	Q16	21.41	21.61	21.67	22.00
		HIGH	Q16	21.47	21.58	21.63	22.00
	50	LOW	Q16	21.43	21.61	21.63	22.00
10	1	LOW	64QAM	21.21	21.70	**21.86**	22.00
		MID	64QAM	21.60	21.62	21.65	22.00
		HIGH	64QAM	21.38	21.85	21.73	22.00
	25	LOW	64QAM	20.25	20.40	20.45	21.00
		MID	64QAM	20.12	20.56	20.29	21.00
		HIGH	64QAM	20.11	20.33	20.38	21.00
	50	LOW	64QAM	20.18	20.26	20.48	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	40115	40765	41165	Tune-up power(dBm)
15	1	LOW	QPSK	23.32	23.50	23.63	24.00
		MID	QPSK	23.48	23.64	**23.74**	24.00
		HIGH	QPSK	23.43	23.55	23.59	24.00
	36	LOW	QPSK	22.33	22.63	22.62	23.00
		MID	QPSK	22.47	22.64	22.64	23.00
		HIGH	QPSK	22.50	22.61	22.60	23.00
	75	LOW	QPSK	22.48	22.65	22.67	23.00
15	1	LOW	Q16	22.53	22.85	22.80	23.00
		MID	Q16	22.71	**22.98**	22.96	23.00
		HIGH	Q16	22.63	22.90	22.81	23.00
	36	LOW	Q16	21.33	21.52	21.60	22.00
		MID	Q16	21.44	21.57	21.67	22.00
		HIGH	Q16	21.46	21.53	21.59	22.00
	75	LOW	Q16	21.43	21.60	21.59	22.00
15	1	LOW	64QAM	21.22	21.60	21.46	22.00
		MID	64QAM	21.45	**21.90**	21.83	22.00
		HIGH	64QAM	21.24	21.78	21.43	22.00
	36	LOW	64QAM	20.02	20.40	20.36	21.00
		MID	64QAM	20.21	20.49	20.59	21.00
		HIGH	64QAM	20.09	20.42	20.58	21.00
	75	LOW	64QAM	20.32	20.41	20.49	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	40140	40765	41140	Tune-up power(dBm)
20	1	LOW	QPSK	23.25	23.40	23.53	24.00
		MID	QPSK	23.53	23.66	**23.80**	24.00
		HIGH	QPSK	23.39	23.46	23.59	24.00
	50	LOW	QPSK	22.31	22.55	22.59	23.00
		MID	QPSK	22.49	22.62	22.65	23.00
		HIGH	QPSK	22.47	22.57	22.58	23.00
	100	LOW	QPSK	22.36	22.53	22.54	23.00
20	1	LOW	Q16	22.47	22.50	22.80	23.00
		MID	Q16	22.75	22.77	22.85	23.00
		HIGH	Q16	22.61	22.59	**22.89**	23.00
	50	LOW	Q16	21.29	21.58	21.62	22.00
		MID	Q16	21.48	21.67	21.70	22.00
		HIGH	Q16	21.40	21.53	21.61	22.00
	100	LOW	Q16	21.33	21.52	21.56	22.00
20	1	LOW	64QAM	21.36	21.36	21.56	22.00
		MID	64QAM	21.67	21.60	21.71	22.00
		HIGH	64QAM	21.35	21.27	**21.88**	22.00
	50	LOW	64QAM	20.15	20.36	20.30	21.00
		MID	64QAM	20.12	20.32	20.42	21.00
		HIGH	64QAM	20.23	20.31	20.59	21.00
	100	LOW	64QAM	20.03	20.21	20.41	21.00

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Bandwidth (MHz)	RB Size	RB offest	Modulation	40065	40765	41215	Tune-up power(dBm)
5	1	LOW	QPSK	20.37	20.54	20.53	21.00
		MID	QPSK	20.52	**20.68**	20.66	21.00
		HIGH	QPSK	20.36	20.51	20.52	21.00
	12	LOW	QPSK	20.37	20.52	20.57	21.00
		MID	QPSK	20.45	20.59	20.60	21.00
		HIGH	QPSK	20.39	20.54	20.56	21.00
	25	LOW	QPSK	20.40	20.55	20.55	21.00
5	1	LOW	Q16	20.64	20.89	20.74	21.00
		MID	Q16	20.78	**20.95**	20.90	21.00
		HIGH	Q16	20.64	20.91	20.76	21.00
	12	LOW	Q16	20.38	20.63	20.63	21.00
		MID	Q16	20.44	20.70	20.65	21.00
		HIGH	Q16	20.40	20.66	20.61	21.00
	25	LOW	Q16	20.45	20.60	20.60	21.00
5	1	LOW	Q16	20.46	20.73	20.47	21.00
		MID	Q16	20.62	20.71	20.69	21.00
		HIGH	Q16	20.38	**20.78**	20.57	21.00
	12	LOW	Q16	20.02	20.56	20.57	21.00
		MID	Q16	20.26	20.54	20.43	21.00
		HIGH	Q16	20.27	20.61	20.27	21.00
	25	LOW	Q16	20.26	20.35	20.21	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	40090	40765	41190	Tune-up power(dBm)
10	1	LOW	QPSK	20.36	20.58	20.63	21.00
		MID	QPSK	20.49	20.64	**20.67**	21.00
		HIGH	QPSK	20.46	20.63	20.63	21.00
	25	LOW	QPSK	20.34	20.57	20.56	21.00
		MID	QPSK	20.41	20.57	20.62	21.00
		HIGH	QPSK	20.46	20.57	20.56	21.00
	50	LOW	QPSK	20.44	20.64	20.58	21.00
10	1	LOW	Q16	20.67	20.90	20.85	21.00
		MID	Q16	20.75	20.91	**20.95**	21.00
		HIGH	Q16	20.75	20.83	**20.95**	21.00
	25	LOW	Q16	20.39	20.61	20.65	21.00
		MID	Q16	20.44	20.62	20.66	21.00
		HIGH	Q16	20.50	20.60	20.65	21.00
	50	LOW	Q16	20.45	20.64	20.63	21.00
10	1	LOW	Q16	20.48	20.67	20.72	21.00
		MID	Q16	20.53	20.92	**20.95**	21.00
		HIGH	Q16	20.60	20.89	20.56	21.00
	25	LOW	Q16	20.11	20.47	20.52	21.00
		MID	Q16	20.12	20.50	20.31	21.00
		HIGH	Q16	20.37	20.56	20.52	21.00
	50	LOW	Q16	20.30	20.32	20.35	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	40115	40765	41165	Tune-up power(dBm)
15	1	LOW	QPSK	20.34	20.55	20.57	21.00
		MID	QPSK	20.52	20.67	**20.71**	21.00
		HIGH	QPSK	20.44	20.55	20.60	21.00
	36	LOW	QPSK	20.34	20.57	20.56	21.00
		MID	QPSK	20.46	20.65	20.62	21.00
		HIGH	QPSK	20.48	20.57	20.58	21.00
	75	LOW	QPSK	20.46	20.63	20.62	21.00
15	1	LOW	Q16	20.59	20.96	20.89	21.00
		MID	Q16	20.78	20.83	20.91	21.00
		HIGH	Q16	20.69	**20.99**	20.81	21.00
	36	LOW	Q16	20.34	20.57	20.63	21.00
		MID	Q16	20.47	20.61	20.65	21.00
		HIGH	Q16	20.47	20.55	20.56	21.00
	75	LOW	Q16	20.44	20.59	20.59	21.00
15	1	LOW	Q16	20.26	20.92	20.62	21.00
		MID	Q16	20.56	**20.93**	20.89	21.00
		HIGH	Q16	20.44	**20.93**	20.46	21.00
	36	LOW	Q16	20.11	20.38	20.61	21.00
		MID	Q16	20.13	20.38	20.45	21.00
		HIGH	Q16	20.33	20.51	20.21	21.00
	75	LOW	Q16	20.28	20.31	20.28	21.00
Bandwidth (MHz)	RB Size	RB offest	Modulation	40140	40765	41140	Tune-up power(dBm)
20	1	LOW	QPSK	20.24	20.38	20.54	21.00
		MID	QPSK	20.55	20.63	**20.77**	21.00
		HIGH	QPSK	20.42	20.45	20.57	21.00
	50	LOW	QPSK	20.34	20.55	20.58	21.00
		MID	QPSK	20.52	20.67	20.67	21.00
		HIGH	QPSK	20.47	20.55	20.57	21.00
	100	LOW	QPSK	20.37	20.54	20.53	21.00
20	1	LOW	Q16	20.52	20.56	20.82	21.00
		MID	Q16	20.85	20.86	20.84	21.00
		HIGH	Q16	20.68	20.64	**20.91**	21.00
	50	LOW	Q16	20.34	20.58	20.62	21.00
		MID	Q16	20.51	20.66	20.73	21.00
		HIGH	Q16	20.46	20.57	20.63	21.00
	100	LOW	Q16	20.36	20.58	20.59	21.00
20	1	LOW	Q16	20.19	20.36	20.70	21.00
		MID	Q16	20.53	20.70	**20.75**	21.00
		HIGH	Q16	20.37	20.25	20.72	21.00
	50	LOW	Q16	20.22	20.56	20.57	21.00
		MID	Q16	20.31	20.33	20.53	21.00
		HIGH	Q16	20.39	20.45	20.32	21.00
	100	LOW	Q16	20.18	20.25	20.24	21.00