

# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZSAR-TRF-01-A05 Rev. A/0 Aug 16,2024

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up		
				18625	18900	19175			
5MHz	QPSK	1	7	17.26	17.41	17.39	18.70		
		1	14	17.57	17.48	17.27	18.70		
		8	0	17.13	17.45	17.29	18.70		
		8	4	17.53	17.52	17.15	18.70		
		8	7	17.17	17.37	17.32	18.70		
		15	0	17.42	17.38	17.34	18.70		
	16QAM	16QAM	1	0	17.20	17.32	17.18	18.70	
			1	13	17.06	17.35	16.98	18.70	
			1	24	17.35	17.33	17.21	18.70	
			12	0	17.43	17.35	17.19	18.70	
			12	6	17.38	17.47	17.32	18.70	
			12	13	17.32	17.23	17.07	18.70	
		16QAM	16QAM	25	0	17.19	17.42	17.43	18.70
				1	0	17.50	17.40	17.45	18.70
				1	13	17.62	17.15	17.17	18.70
				1	24	17.47	17.58	17.22	18.70
				12	0	17.11	17.27	17.11	18.70
				12	6	17.53	17.51	17.29	18.70
	64QAM	64QAM	12	13	17.60	17.27	17.12	18.70	
			25	0	17.30	17.18	17.25	18.70	
			1	0	17.10	17.30	17.34	18.70	
			1	13	17.50	17.58	17.47	18.70	
			1	24	17.37	17.45	16.97	18.70	
			12	0	17.30	17.54	17.36	18.70	
	256QAM	256QAM	12	6	17.29	17.18	17.17	18.70	
			12	13	17.32	17.14	17.11	18.70	
			25	0	17.36	17.31	17.32	18.70	
			1	0	17.27	17.41	17.49	18.70	
1			13	17.41	17.45	17.26	18.70		
1			24	17.56	17.42	17.25	18.70		
10MHz	QPSK	12	0	17.38	17.29	17.42	18.70		
		12	6	17.16	17.35	17.24	18.70		
		12	13	17.41	17.26	17.07	18.70		
		25	0	17.27	17.20	17.23	18.70		
		1	0	17.11	17.19	17.18	18.70		
		1	25	17.03	17.33	17.04	18.70		
	16QAM	16QAM	1	49	17.25	17.43	16.91	18.70	
			25	0	17.49	17.17	17.32	18.70	
			25	13	17.32	17.39	17.37	18.70	
			25	25	17.39	17.36	17.04	18.70	
			50	0	17.19	17.31	17.33	18.70	
			1	0	17.31	17.47	17.44	18.70	
64QAM	64QAM	1	25	17.44	17.30	17.29	18.70		
		1	49	17.46	17.44	17.24	18.70		
		25	0	17.31	17.31	17.26	18.70		
		25	13	17.36	17.34	17.34	18.70		
		25	25	17.54	17.32	17.02	18.70		
		50	0	17.32	17.40	17.12	18.70		
256QAM	256QAM	1	0	17.29	17.25	17.38	18.70		
		1	25	17.51	17.50	17.27	18.70		
		1	49	17.35	17.41	17.36	18.70		
		25	0	17.26	17.32	17.21	18.70		
		25	13	17.33	17.07	17.49	18.70		
		25	25	17.51	17.30	17.28	18.70		
10MHz	256QAM	50	0	17.26	17.27	17.44	18.70		
		1	0	17.43	17.35	17.42	18.70		
10MHz	256QAM	1	25	17.40	17.43	17.29	18.70		
		1	25	17.40	17.43	17.29	18.70		



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	49	17.64	17.31	17.24	18.70
		25	0	17.30	17.29	17.17	18.70
		25	13	17.31	17.20	17.34	18.70
		25	25	17.48	17.35	17.27	18.70
		50	0	17.41	17.51	17.31	18.70
		1	0	17.15	17.29	17.19	18.70
		1	38	17.16	17.22	17.13	18.70
	16QAM	1	74	17.39	17.42	17.12	18.70
		36	0	17.28	17.41	17.46	18.70
		36	18	17.46	17.33	17.52	18.70
		36	39	17.36	17.36	17.10	18.70
		75	0	17.01	17.41	17.12	18.70
		1	0	17.27	17.54	17.35	18.70
		1	38	17.43	17.41	17.21	18.70
	64QAM	1	74	17.38	17.57	17.07	18.70
		36	0	17.42	17.39	17.28	18.70
		36	18	17.05	17.33	17.22	18.70
		36	39	17.32	17.23	17.43	18.70
		75	0	17.25	17.24	17.30	18.70
		1	0	17.04	17.26	17.28	18.70
		1	38	17.46	17.50	17.33	18.70
	256QAM	1	74	17.43	17.43	17.17	18.70
		36	0	17.22	17.41	17.14	18.70
		36	18	17.50	17.23	17.46	18.70
		36	39	17.40	17.29	17.17	18.70
		75	0	17.33	17.46	17.14	18.70
		1	0	17.43	17.38	17.29	18.70
		1	38	17.51	17.23	17.42	18.70
256QAM	1	74	17.30	17.30	17.38	18.70	
	36	0	17.26	17.27	17.29	18.70	
	36	18	17.38	17.40	17.47	18.70	
	36	39	17.34	17.26	17.22	18.70	
	75	0	17.37	17.30	17.25	18.70	
	1	0	17.26	17.21	17.43	18.70	
	1	50	17.43	17.46	17.07	18.70	
20MHz	QPSK	1	99	17.49	17.42	17.05	18.70
		50	0	17.51	17.37	17.54	18.70
		50	25	17.37	17.29	17.33	18.70
		50	50	17.52	17.36	17.26	18.70
		100	0	17.40	17.28	17.26	18.70
		1	0	17.32	17.52	17.27	18.70
		1	50	17.35	17.50	17.24	18.70
	16QAM	1	99	17.35	17.49	17.21	18.70
		50	0	17.27	17.49	17.13	18.70
		50	25	17.29	17.46	17.26	18.70
		50	50	17.44	17.33	17.10	18.70
		100	0	17.34	17.19	17.49	18.70
		1	0	17.25	17.34	17.20	18.70
		1	50	17.32	17.54	17.24	18.70
64QAM	1	99	17.40	17.46	17.05	18.70	
	50	0	17.43	17.33	17.06	18.70	
	50	25	17.26	17.50	17.28	18.70	
	50	50	17.44	17.41	17.22	18.70	
	100	0	17.40	17.34	17.27	18.70	
	1	0	17.27	17.57	17.54	18.70	
	1	50	17.38	17.41	17.25	18.70	
256QAM	1	99	17.44	17.50	17.19	18.70	



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		50	0	17.16	17.31	17.22	18.70
		50	25	17.47	17.38	17.45	18.70
		50	50	17.19	17.36	17.22	18.70
		100	0	17.22	17.50	17.32	18.70

LTE Band 4 DSI0				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				19957	20175	20393		
1.4MHz	QPSK	1	0	24.55	24.70	24.56	25.70	
		1	2	24.41	24.51	24.56	25.70	
		1	5	24.78	24.54	24.65	25.70	
		3	0	24.29	23.99	24.24	25.70	
		3	2	24.25	24.23	24.26	25.70	
		3	3	24.27	24.29	24.24	25.70	
	16QAM	6	0	23.75	23.79	23.68	24.70	
		1	0	23.72	23.66	23.66	24.70	
		1	2	23.41	22.99	23.29	24.70	
		1	5	23.11	23.88	23.99	24.70	
		3	0	23.20	23.21	23.21	24.70	
		3	2	23.24	23.20	23.18	24.70	
		3	3	23.31	23.24	23.24	24.70	
		6	0	22.70	22.67	22.74	23.70	
	64QAM	1	0	22.75	22.56	22.64	23.70	
		1	2	22.71	22.71	22.75	23.70	
		1	5	22.82	22.76	22.83	23.70	
		3	0	22.22	22.15	22.19	23.70	
		3	2	22.25	22.15	22.17	23.70	
		3	3	22.29	22.05	22.23	23.70	
	256QAM	6	0	21.81	21.60	21.70	22.70	
		1	0	19.69	19.78	19.79	20.70	
		1	2	19.77	19.80	19.71	20.70	
		1	5	19.84	19.79	19.77	20.70	
		3	0	19.73	19.67	19.68	20.70	
		3	2	19.76	19.52	19.65	20.70	
	3MHz	QPSK	3	3	19.79	19.54	19.28	20.70
			6	0	19.63	19.81	19.69	20.70
			1	0	24.63	24.65	24.56	25.70
			1	7	24.41	24.56	24.57	25.70
1			14	24.72	24.49	24.61	25.70	
8			0	23.76	23.57	23.74	24.70	
16QAM		8	4	23.76	23.75	23.73	24.70	
		8	7	23.83	23.82	23.69	24.70	
		15	0	23.75	23.70	23.72	24.70	
		1	0	23.72	23.70	23.65	24.70	
		1	7	23.38	22.99	23.26	24.70	
		1	14	23.11	23.83	24.01	24.70	
		8	0	22.71	22.73	22.67	23.70	
		8	4	22.75	22.63	22.68	23.70	
64QAM		8	7	22.79	22.68	22.65	23.70	
		15	0	21.80	22.77	22.75	23.70	
		1	0	22.77	22.56	22.74	23.70	
		1	7	22.64	22.67	22.74	23.70	
		1	14	22.77	22.76	22.75	23.70	
		8	0	21.81	21.69	21.67	22.70	
		8	4	21.74	21.65	21.73	22.70	
		8	7	21.75	21.61	21.72	22.70	
			15	0	21.82	21.56	21.77	22.70



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				19975	20175	20375		
5MHz	256QAM	1	0	19.76	19.77	19.73	20.70	
		1	7	19.82	19.71	19.66	20.70	
		1	14	19.86	19.81	19.76	20.70	
		8	0	19.70	19.70	19.65	20.70	
		8	4	19.83	19.61	19.68	20.70	
		8	7	19.84	19.50	19.26	20.70	
			15	0	19.62	19.77	19.70	20.70
	5MHz	QPSK	1	0	24.55	24.70	24.54	25.70
			1	13	24.50	24.46	24.49	25.70
			1	24	24.77	24.54	24.59	25.70
			12	0	23.75	23.55	23.68	24.70
			12	6	23.82	23.76	23.69	24.70
			12	13	23.83	23.80	23.70	24.70
		16QAM	25	0	23.78	23.73	23.67	24.70
			1	0	23.73	23.60	23.69	24.70
			1	13	23.44	23.03	23.26	24.70
			1	24	23.15	23.82	24.01	24.70
			12	0	22.77	22.74	22.68	23.70
			12	6	22.81	22.69	22.73	23.70
		64QAM	12	13	22.88	22.73	22.65	23.70
			25	0	21.84	22.77	22.75	23.70
1			0	22.73	22.49	22.64	23.70	
1			13	22.68	22.69	22.70	23.70	
1			24	22.74	22.78	22.80	23.70	
12			0	21.79	21.67	21.70	22.70	
256QAM		12	6	21.77	21.74	21.73	22.70	
		12	13	21.81	21.60	21.68	22.70	
		25	0	21.78	21.61	21.75	22.70	
	1	0	19.69	19.75	19.77	20.70		
	1	13	19.81	19.73	19.69	20.70		
	1	24	19.89	19.79	19.85	20.70		
10MHz	QPSK	12	0	19.74	19.65	19.68	20.70	
		12	6	19.77	19.52	19.66	20.70	
		12	13	19.76	19.48	19.23	20.70	
		25	0	19.57	19.72	19.71	20.70	
		1	0	24.53	24.67	24.51	25.70	
		1	25	24.41	24.52	24.54	25.70	
	16QAM	1	49	24.74	24.48	24.66	25.70	
		25	0	23.75	23.49	23.75	24.70	
		25	13	23.81	23.80	23.76	24.70	
		25	25	23.73	23.81	23.77	24.70	
		50	0	23.72	23.69	23.74	24.70	
		1	0	23.68	23.68	23.64	24.70	
	64QAM	1	25	23.42	23.00	23.29	24.70	
		1	49	23.20	23.87	24.00	24.70	
		25	0	22.78	22.78	22.73	23.70	
		25	13	22.79	22.69	22.73	23.70	
		25	25	22.88	22.69	22.73	23.70	
		50	0	21.81	22.74	22.66	23.70	
	256QAM	1	0	22.76	22.47	22.73	23.70	
		1	25	22.65	22.70	22.71	23.70	
		1	49	22.74	22.76	22.75	23.70	
25		0	21.75	21.66	21.70	22.70		
25		13	21.77	21.73	21.72	22.70		
25		25	21.78	21.59	21.68	22.70		
		50	0	21.80	21.63	21.72	22.70	



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	25	19.83	19.75	19.71	20.70
		1	49	19.84	19.85	19.84	20.70
		25	0	19.69	19.68	19.70	20.70
		25	13	19.79	19.52	19.72	20.70
		25	25	19.83	19.51	19.25	20.70
		50	0	19.60	19.74	19.66	20.70
		1	0	24.63	24.68	24.49	25.70
	16QAM	1	38	24.42	24.47	24.56	25.70
		1	74	24.72	24.44	24.58	25.70
		36	0	23.70	23.48	23.69	24.70
		36	18	23.77	23.75	23.71	24.70
		36	39	23.79	23.73	23.68	24.70
		75	0	23.77	23.73	23.70	24.70
		1	0	23.70	23.62	23.72	24.70
	64QAM	1	38	23.44	22.98	23.28	24.70
		1	74	23.18	23.85	23.99	24.70
		36	0	22.79	22.71	22.64	23.70
		36	18	22.79	22.70	22.70	23.70
		36	39	22.85	22.67	22.69	23.70
		75	0	21.81	22.71	22.75	23.70
		1	0	22.79	22.47	22.67	23.70
	256QAM	1	38	22.72	22.66	22.71	23.70
		1	74	22.78	22.77	22.82	23.70
		36	0	21.75	21.70	21.73	22.70
		36	18	21.78	21.65	21.75	22.70
		36	39	21.77	21.56	21.69	22.70
		75	0	21.76	21.58	21.76	22.70
		1	0	19.77	19.81	19.78	20.70
256QAM	1	38	19.79	19.81	19.64	20.70	
	1	74	19.85	19.88	19.85	20.70	
	36	0	19.66	19.70	19.63	20.70	
	36	18	19.83	19.57	19.68	20.70	
	36	39	19.82	19.54	19.22	20.70	
	75	0	19.65	19.77	19.73	20.70	
	20MHz	QPSK	1	0	/	24.64	/
1			50	/	24.49	/	25.70
1	99		/	24.46	/	25.70	
50	0		/	23.56	/	24.70	
50	25		/	23.75	/	24.70	
50	50		/	23.81	/	24.70	
100	0		/	23.76	/	24.70	
16QAM	1	0	/	23.61	/	24.70	
	1	50	/	23.00	/	24.70	
	1	99	/	23.92	/	24.70	
	50	0	/	22.73	/	23.70	
	50	25	/	22.67	/	23.70	
	50	50	/	22.76	/	23.70	
	100	0	/	22.69	/	23.70	
64QAM	1	0	/	22.52	/	23.70	
	1	50	/	22.61	/	23.70	
	1	99	/	22.78	/	23.70	
	50	0	/	21.68	/	22.70	
	50	25	/	21.66	/	22.70	
	50	50	/	21.61	/	22.70	
	100	0	/	21.60	/	22.70	
256QAM	1	0	/	19.78	/	20.70	
	1	50	/	19.80	/	20.70	



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		1	99	/	19.80	/	20.70
		50	0	/	19.65	/	20.70
		50	25	/	19.55	/	20.70
		50	50	/	19.54	/	20.70
		100	0	/	19.81	/	20.70

LTE Band 4 DS1				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				19957	20175	20393		
1.4MHz	QPSK	1	0	20.10	20.13	20.12	21.20	
		1	2	20.06	20.08	20.10	21.20	
		1	5	20.11	20.10	20.14	21.20	
		3	0	20.16	20.20	20.16	21.20	
		3	2	20.06	20.04	20.03	21.20	
		3	3	20.21	20.16	20.17	21.20	
	16QAM	6	0	19.97	19.98	19.94	21.20	
		1	0	20.36	20.33	20.35	21.20	
		1	2	19.99	19.94	20.01	21.20	
		1	5	20.29	20.21	20.21	21.20	
		3	0	19.99	20.02	20.00	21.20	
		3	2	20.15	20.17	20.19	21.20	
	64QAM	3	3	20.18	20.17	20.16	21.20	
		6	0	20.14	20.11	20.19	21.20	
		1	0	19.97	19.97	19.93	21.20	
		1	2	20.21	20.18	20.20	21.20	
		1	5	20.18	20.20	20.21	21.20	
		3	0	20.07	20.02	20.07	21.20	
	256QAM	3	2	20.16	20.12	20.10	21.20	
		3	3	20.19	20.16	20.19	21.20	
		6	0	20.17	20.24	20.19	21.20	
		1	0	19.68	19.62	19.63	20.70	
		1	2	19.80	19.76	19.81	20.70	
		1	5	19.73	19.77	19.76	20.70	
	3MHz	QPSK	3	0	19.72	19.70	19.69	20.70
			3	2	19.77	19.73	19.72	20.70
			3	3	19.72	19.67	19.68	20.70
			6	0	19.72	19.69	19.75	20.70
			1	0	20.11	20.10	20.13	21.20
			1	7	20.05	20.05	20.11	21.20
16QAM	QPSK	1	14	20.09	20.12	20.12	21.20	
		8	0	20.14	20.16	20.18	21.20	
		8	4	20.03	20.03	20.03	21.20	
		8	7	20.23	20.21	20.16	21.20	
		15	0	19.95	19.98	19.99	21.20	
		1	0	20.35	20.33	20.29	21.20	
	16QAM	1	7	20.02	19.96	19.99	21.20	
		1	14	20.23	20.27	20.27	21.20	
		8	0	20.03	20.03	20.01	21.20	
		8	4	20.14	20.14	20.14	21.20	
		8	7	20.16	20.23	20.17	21.20	
		15	0	20.16	20.18	20.18	21.20	
		64QAM	1	0	19.89	19.93	19.90	21.20
			1	7	20.17	20.16	20.13	21.20
			1	14	20.21	20.25	20.26	21.20
8	0		20.07	20.05	20.05	21.20		
8	4		20.15	20.10	20.10	21.20		
8	7		20.16	20.22	20.19	21.20		



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				19975	20175	20375		
5MHz	256QAM	15	0	20.21	20.23	20.25	21.20	
		1	0	19.62	19.69	19.63	20.70	
		1	7	19.80	19.76	19.79	20.70	
		1	14	19.80	19.76	19.77	20.70	
		8	0	19.75	19.69	19.75	20.70	
		8	4	19.77	19.73	19.73	20.70	
		8	7	19.68	19.71	19.67	20.70	
	15	0	19.68	19.74	19.73	20.70		
	5MHz	QPSK	1	0	20.10	20.17	20.14	21.20
			1	13	20.04	20.10	20.04	21.20
			1	24	20.14	20.10	20.13	21.20
			12	0	20.21	20.22	20.20	21.20
			12	6	20.06	20.04	20.09	21.20
			12	13	20.20	20.18	20.17	21.20
			25	0	20.01	20.00	20.01	21.20
		16QAM	1	0	20.30	20.35	20.30	21.20
			1	13	19.97	19.95	19.98	21.20
			1	24	20.24	20.21	20.24	21.20
			12	0	20.01	19.98	19.98	21.20
			12	6	20.20	20.22	20.14	21.20
			12	13	20.22	20.19	20.16	21.20
			25	0	20.14	20.18	20.15	21.20
		64QAM	1	0	19.89	19.91	19.97	21.20
			1	13	20.13	20.15	20.14	21.20
			1	24	20.18	20.20	20.23	21.20
			12	0	20.08	20.00	20.02	21.20
			12	6	20.15	20.10	20.10	21.20
			12	13	20.19	20.19	20.23	21.20
25			0	20.23	20.23	20.24	21.20	
256QAM		1	0	19.62	19.66	19.63	20.70	
		1	13	19.77	19.75	19.78	20.70	
		1	24	19.76	19.80	19.72	20.70	
		12	0	19.68	19.68	19.72	20.70	
		12	6	19.73	19.76	19.76	20.70	
		12	13	19.67	19.69	19.71	20.70	
		25	0	19.70	19.74	19.69	20.70	
10MHz	QPSK	1	0	20.15	20.10	20.11	21.20	
		1	25	20.09	20.11	20.08	21.20	
		1	49	20.13	20.08	20.09	21.20	
		25	0	20.14	20.15	20.20	21.20	
		25	13	20.07	20.06	20.08	21.20	
		25	25	20.18	20.23	20.21	21.20	
		50	0	19.95	19.95	19.95	21.20	
	16QAM	1	0	20.37	20.31	20.34	21.20	
		1	25	19.99	20.00	20.02	21.20	
		1	49	20.21	20.26	20.28	21.20	
		25	0	20.03	20.02	19.99	21.20	
		25	13	20.21	20.21	20.17	21.20	
		25	25	20.18	20.19	20.18	21.20	
		50	0	20.14	20.15	20.18	21.20	
	64QAM	1	0	19.89	19.89	19.95	21.20	
		1	25	20.21	20.19	20.14	21.20	
		1	49	20.23	20.24	20.23	21.20	
		25	0	20.01	20.04	20.07	21.20	
		25	13	20.17	20.11	20.13	21.20	
		25	25	20.22	20.17	20.23	21.20	
		50	0	20.21	20.18	20.19	21.20	



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				20025	20175	20325		
15MHz	256QAM	1	0	19.62	19.70	19.64	20.70	
		1	25	19.74	19.80	19.78	20.70	
		1	49	19.73	19.80	19.74	20.70	
		25	0	19.67	19.71	19.72	20.70	
		25	13	19.72	19.75	19.76	20.70	
		25	25	19.69	19.68	19.68	20.70	
	50	0	19.72	19.69	19.74	20.70		
	QPSK	16QAM	1	0	20.10	20.09	20.12	21.20
			1	38	20.05	20.07	20.08	21.20
			1	74	20.14	20.12	20.14	21.20
			36	0	20.22	20.16	20.20	21.20
			36	18	20.02	20.08	20.02	21.20
			36	39	20.18	20.21	20.16	21.20
		64QAM	1	0	19.98	19.97	19.95	21.20
				38	19.99	19.95	19.99	21.20
				74	20.24	20.23	20.26	21.20
			36	0	19.95	20.00	20.03	21.20
				18	20.21	20.20	20.22	21.20
39				20.15	20.20	20.17	21.20	
256QAM	1	0	20.14	20.18	20.15	21.20		
		38	19.89	19.95	19.95	21.20		
		74	20.17	20.15	20.18	21.20		
	36	0	20.26	20.19	20.24	21.20		
		18	20.05	20.03	20.06	21.20		
		39	20.15	20.11	20.14	21.20		
QPSK	1	0	20.19	20.21	20.19	21.20		
		38	20.18	20.21	20.17	21.20		
		74	20.18	20.21	20.17	21.20		
	36	0	19.64	19.69	19.62	20.70		
		18	19.76	19.77	19.82	20.70		
		39	19.77	19.73	19.74	20.70		
16QAM	1	0	19.74	19.68	19.72	20.70		
		38	19.73	19.69	19.71	20.70		
		74	19.71	19.69	19.68	20.70		
	36	0	19.73	19.69	19.68	20.70		
		18	19.71	19.69	19.68	20.70		
		39	19.71	19.69	19.68	20.70		
QPSK	1	0	19.73	19.72	19.74	20.70		
		38	19.73	19.72	19.74	20.70		
		74	19.73	19.72	19.74	20.70		
	36	0	19.73	19.72	19.74	20.70		
		18	19.73	19.72	19.74	20.70		
		39	19.73	19.72	19.74	20.70		
20MHz	QPSK	1	0	/	20.08	/	21.20	
		1	50	/	20.02	/	21.20	
		1	99	/	20.05	/	21.20	
		50	0	/	20.13	/	21.20	
		50	25	/	20.00	/	21.20	
		50	50	/	20.14	/	21.20	
	16QAM	100	0	/	19.92	/	21.20	
			50	0	/	20.28	/	21.20
			99	0	/	19.93	/	21.20
		50	0	/	20.20	/	21.20	
			25	/	19.94	/	21.20	
			50	0	/	20.13	/	21.20
	64QAM	50	50	/	20.14	/	21.20	
			100	0	/	20.10	/	21.20
			1	0	/	19.88	/	21.20
		1	50	/	20.12	/	21.20	
			99	/	20.17	/	21.20	
			0	/	19.99	/	21.20	
256QAM	50	25	/	20.08	/	21.20		
		50	50	/	20.14	/	21.20	
		100	0	/	20.16	/	21.20	
	1	0	/	19.61	/	20.70		
		50	/	19.61	/	20.70		
		100	0	/	19.61	/	20.70	



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		1	50	/	19.73	/	20.70
		1	99	/	19.71	/	20.70
		50	0	/	19.66	/	20.70
		50	25	/	19.68	/	20.70
		50	50	/	19.66	/	20.70
		100	0	/	19.67	/	20.70

LTE Band 4 DSI3/4/5				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	18.61	18.59	18.60	19.70
		1	2	18.57	18.57	18.60	19.70
		1	5	18.60	18.70	18.67	19.70
		3	0	18.74	18.79	18.70	19.70
		3	2	18.52	18.45	18.59	19.70
		3	3	18.78	18.73	18.73	19.70
	16QAM	6	0	18.40	18.49	18.37	19.70
		1	0	18.94	18.92	18.80	19.70
		1	2	18.59	18.45	18.56	19.70
		1	5	18.85	18.71	18.64	19.70
		3	0	18.41	18.56	18.42	19.70
		3	2	18.55	18.70	18.71	19.70
	64QAM	3	3	18.60	18.76	18.67	19.70
		6	0	18.74	18.71	18.78	19.70
		1	0	18.39	18.38	18.36	19.70
		1	2	18.75	18.74	18.80	19.70
		1	5	18.64	18.70	18.78	19.70
		3	0	18.65	18.53	18.66	19.70
	256QAM	3	2	18.76	18.63	18.63	19.70
		3	3	18.75	18.59	18.61	19.70
		6	0	18.66	18.77	18.60	19.70
		1	0	18.74	18.54	18.70	19.70
		1	2	18.80	18.76	18.73	19.70
		1	5	18.75	18.70	18.69	19.70
3MHz	QPSK	3	0	18.69	18.74	18.64	19.70
		3	2	18.79	18.82	18.82	19.70
		3	3	18.68	18.59	18.74	19.70
		6	0	18.80	18.74	18.78	19.70
		1	0	18.63	18.66	18.57	19.70
		1	7	18.60	18.65	18.51	19.70
	16QAM	1	14	18.53	18.55	18.69	19.70
		8	0	18.71	18.71	18.58	19.70
		8	4	18.53	18.62	18.44	19.70
		8	7	18.73	18.74	18.73	19.70
		8	7	18.70	18.75	18.71	19.70
		15	0	18.39	18.46	18.45	19.70
64QAM	1	0	18.79	18.84	18.79	19.70	
	1	7	18.61	18.51	18.42	19.70	
	1	14	18.80	18.80	18.80	19.70	
	8	0	18.51	18.49	18.43	19.70	
	8	4	18.64	18.63	18.74	19.70	
	8	7	18.70	18.75	18.71	19.70	



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				19975	20175	20375		
5MHz	256QAM	8	7	18.67	18.74	18.77	19.70	
		15	0	18.73	18.69	18.76	19.70	
		1	0	18.68	18.68	18.67	19.70	
		1	7	18.86	18.72	18.71	19.70	
		1	14	18.90	18.72	18.86	19.70	
		8	0	18.85	18.76	18.85	19.70	
		8	4	18.81	18.69	18.65	19.70	
	8	7	18.72	18.61	18.58	19.70		
	15	0	18.76	18.75	18.75	19.70		
	5MHz	QPSK	1	0	18.62	18.66	18.73	19.70
			1	13	18.61	18.51	18.56	19.70
			1	24	18.72	18.68	18.55	19.70
			12	0	18.72	18.63	18.65	19.70
			12	6	18.61	18.46	18.49	19.70
			12	13	18.64	18.67	18.75	19.70
			25	0	18.59	18.48	18.58	19.70
		16QAM	1	0	18.77	18.76	18.87	19.70
			1	13	18.40	18.55	18.40	19.70
			1	24	18.77	18.70	18.78	19.70
			12	0	18.59	18.53	18.49	19.70
			12	6	18.78	18.67	18.60	19.70
			12	13	18.65	18.70	18.66	19.70
			25	0	18.59	18.69	18.71	19.70
		64QAM	1	0	18.49	18.47	18.53	19.70
			1	13	18.67	18.68	18.68	19.70
			1	24	18.70	18.68	18.69	19.70
			12	0	18.62	18.45	18.57	19.70
			12	6	18.60	18.70	18.70	19.70
12			13	18.75	18.61	18.64	19.70	
25			0	18.65	18.79	18.82	19.70	
256QAM		1	0	18.66	18.70	18.55	19.70	
		1	13	18.78	18.78	18.68	19.70	
		1	24	18.71	18.81	18.73	19.70	
		12	0	18.61	18.74	18.73	19.70	
		12	6	18.65	18.69	18.77	19.70	
		12	13	18.65	18.79	18.64	19.70	
		25	0	18.74	18.78	18.72	19.70	
10MHz	QPSK	1	0	18.71	18.62	18.53	19.70	
		1	25	18.59	18.56	18.57	19.70	
		1	49	18.61	18.64	18.56	19.70	
		25	0	18.57	18.74	18.61	19.70	
		25	13	18.58	18.51	18.59	19.70	
		25	25	18.72	18.74	18.72	19.70	
		50	0	18.51	18.43	18.38	19.70	
	16QAM	1	0	18.96	18.72	18.85	19.70	
		1	25	18.41	18.48	18.61	19.70	
		1	49	18.81	18.67	18.77	19.70	
		25	0	18.58	18.57	18.39	19.70	
		25	13	18.68	18.70	18.73	19.70	
		25	25	18.59	18.66	18.72	19.70	
		50	0	18.66	18.73	18.73	19.70	
	64QAM	1	0	18.46	18.48	18.54	19.70	
		1	25	18.74	18.64	18.71	19.70	
		1	49	18.76	18.72	18.76	19.70	
		25	0	18.45	18.49	18.52	19.70	
		25	13	18.73	18.55	18.63	19.70	
		25	25	18.74	18.57	18.80	19.70	
		25	25	18.74	18.57	18.80	19.70	



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				20025	20175	20325		
15MHz	256QAM	50	0	18.75	18.61	18.63	19.70	
		1	0	18.65	18.68	18.71	19.70	
		1	25	18.79	18.82	18.82	19.70	
		1	49	18.83	18.80	18.82	19.70	
		25	0	18.63	18.63	18.67	19.70	
		25	13	18.69	18.72	18.68	19.70	
		25	25	18.60	18.61	18.74	19.70	
	50	0	18.66	18.75	18.80	19.70		
	15MHz	QPSK	1	0	18.52	18.55	18.64	19.70
			1	38	18.51	18.65	18.49	19.70
			1	74	18.64	18.54	18.73	19.70
			36	0	18.63	18.71	18.79	19.70
			36	18	18.59	18.48	18.57	19.70
			36	39	18.72	18.74	18.64	19.70
			75	0	18.57	18.40	18.51	19.70
		16QAM	1	0	18.75	18.76	18.78	19.70
			1	38	18.53	18.39	18.56	19.70
			1	74	18.72	18.81	18.73	19.70
			36	0	18.42	18.43	18.62	19.70
			36	18	18.64	18.72	18.73	19.70
			36	39	18.71	18.76	18.70	19.70
75			0	18.57	18.62	18.61	19.70	
64QAM		1	0	18.34	18.55	18.39	19.70	
		1	38	18.60	18.73	18.59	19.70	
		1	74	18.76	18.70	18.76	19.70	
		36	0	18.50	18.53	18.51	19.70	
		36	18	18.65	18.67	18.72	19.70	
		36	39	18.72	18.80	18.70	19.70	
		75	0	18.66	18.80	18.65	19.70	
256QAM	1	0	18.59	18.71	18.54	19.70		
	1	38	18.82	18.78	18.83	19.70		
	1	74	18.87	18.67	18.84	19.70		
	36	0	18.84	18.70	18.75	19.70		
	36	18	18.78	18.60	18.73	19.70		
	36	39	18.61	18.76	18.68	19.70		
	75	0	18.82	18.66	18.68	19.70		
20MHz	QPSK	1	0	/	18.51	/	19.70	
		1	50	/	18.67	/	19.70	
		1	99	/	18.49	/	19.70	
		50	0	/	18.68	/	19.70	
		50	25	/	18.43	/	19.70	
		50	50	/	18.78	/	19.70	
		100	0	/	18.43	/	19.70	
	16QAM	1	0	/	18.76	/	19.70	
		1	50	/	18.35	/	19.70	
		1	99	/	18.81	/	19.70	
		50	0	/	18.48	/	19.70	
		50	25	/	18.71	/	19.70	
		50	50	/	18.75	/	19.70	
		100	0	/	18.61	/	19.70	
	64QAM	1	0	/	18.51	/	19.70	
		1	50	/	18.72	/	19.70	
		1	99	/	18.73	/	19.70	
		50	0	/	18.50	/	19.70	
		50	25	/	18.63	/	19.70	
		50	50	/	18.75	/	19.70	
		100	0	/	18.85	/	19.70	



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256QAM	1	0	/	18.75	/	19.70
	1	50	/	18.77	/	19.70
	1	99	/	18.65	/	19.70
	50	0	/	18.66	/	19.70
	50	25	/	18.63	/	19.70
	50	50	/	18.73	/	19.70
	100	0	/	18.68	/	19.70

LTE Band 7 DSI0				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				20775	21100	21425		
5MHz	QPSK	1	0	24.37	24.46	24.37	25.70	
		1	13	24.40	24.08	24.09	25.70	
		1	24	24.29	24.24	24.20	25.70	
		12	0	23.42	23.49	23.45	24.70	
		12	6	23.59	23.23	23.24	24.70	
		12	13	23.46	23.54	23.62	24.70	
	16QAM	25	0	23.48	23.38	23.37	24.70	
		1	0	23.13	23.70	23.64	24.70	
		1	13	23.05	23.16	23.25	24.70	
		1	24	23.38	23.18	23.08	24.70	
		12	0	22.45	22.58	22.68	23.70	
		12	6	22.31	22.36	22.33	23.70	
	64QAM	12	13	22.46	22.10	22.16	23.70	
		25	0	22.67	22.19	22.11	23.70	
		1	0	22.15	22.42	22.33	23.70	
		1	13	22.12	22.37	22.30	23.70	
		1	24	22.50	22.31	22.29	23.70	
		12	0	21.26	21.14	21.05	22.70	
	256QAM	12	6	21.80	21.23	21.15	22.70	
		12	13	21.46	21.10	21.17	22.70	
		25	0	21.56	21.29	21.30	22.70	
		1	0	19.49	19.09	19.19	20.70	
		1	13	19.52	19.35	19.37	20.70	
		1	24	19.51	19.44	19.45	20.70	
	10MHz	QPSK	12	0	19.55	19.29	19.23	20.70
			12	6	19.43	19.39	19.45	20.70
			12	13	19.43	19.12	19.09	20.70
			25	0	19.50	19.23	19.27	20.70
			1	0	24.46	24.45	24.55	25.70
			1	25	24.37	24.02	24.02	25.70
		16QAM	1	49	24.36	24.29	24.27	25.70
			25	0	23.39	23.40	23.46	24.70
			25	13	23.52	23.28	23.36	24.70
			25	25	23.49	23.45	23.49	24.70
			50	0	23.40	23.46	23.43	24.70
			1	0	23.21	23.66	23.65	24.70
64QAM	1	25	23.14	23.18	23.25	24.70		
	1	49	23.31	23.26	23.20	24.70		
	25	0	22.37	22.50	22.55	23.70		
	25	13	22.34	22.40	22.32	23.70		
	25	25	22.40	22.18	22.28	23.70		
	50	0	22.63	22.29	22.26	23.70		
	QPSK	1	0	22.17	22.51	22.59	23.70	
		1	25	22.07	22.34	22.37	23.70	
		1	49	22.55	22.40	22.34	23.70	
		25	0	21.34	21.23	21.23	22.70	



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				20825	21100	21375		
15MHz	256QAM	25	13	21.72	21.21	21.14	22.70	
		25	25	21.53	21.20	21.19	22.70	
		50	0	21.53	21.19	21.19	22.70	
		1	0	19.54	19.11	19.13	20.70	
		1	25	19.59	19.39	19.36	20.70	
		1	49	19.49	19.42	19.33	20.70	
		25	0	19.55	19.27	19.29	20.70	
	16QAM	25	13	19.44	19.37	19.38	20.70	
		25	25	19.35	19.18	19.21	20.70	
		50	0	19.43	19.18	19.22	20.70	
		QPSK	1	0	24.47	24.35	24.39	25.70
			1	38	24.38	24.07	24.14	25.70
			1	74	24.41	24.31	24.33	25.70
			36	0	23.42	23.36	23.36	24.70
	36		18	23.52	23.37	23.43	24.70	
	36		39	23.56	23.38	23.48	24.70	
	75		0	23.42	23.37	23.29	24.70	
	64QAM	1	0	23.26	23.64	23.54	24.70	
		1	38	23.24	23.12	23.05	24.70	
		1	74	23.24	23.18	23.27	24.70	
		36	0	22.43	22.45	22.46	23.70	
		36	18	22.29	22.35	22.38	23.70	
		36	39	22.41	22.23	22.28	23.70	
		75	0	22.53	22.29	22.21	23.70	
	256QAM	1	0	22.25	22.43	22.38	23.70	
		1	38	22.09	22.27	22.36	23.70	
		1	74	22.54	22.34	22.44	23.70	
		36	0	21.44	21.31	21.40	22.70	
36		18	21.63	21.24	21.28	22.70		
36		39	21.50	21.30	21.20	22.70		
75		0	21.58	21.21	21.29	22.70		
16QAM	1	0	19.54	19.15	19.17	20.70		
	1	38	19.57	19.35	19.29	20.70		
	1	74	19.43	19.37	19.34	20.70		
	36	0	19.59	19.31	19.29	20.70		
	36	18	19.38	19.35	19.37	20.70		
	36	39	19.38	19.21	19.17	20.70		
	75	0	19.52	19.20	19.25	20.70		
20MHz	QPSK	1	0	24.54	24.27	24.19	25.70	
		1	50	24.35	24.17	23.95	25.70	
		1	99	24.48	24.24	23.94	25.70	
		50	0	23.49	23.42	22.89	24.70	
		50	25	23.47	23.34	23.10	24.70	
		50	50	23.48	23.31	23.09	24.70	
		100	0	23.51	23.35	23.13	24.70	
	16QAM	1	0	23.27	23.56	23.25	24.70	
		1	50	23.14	23.10	23.03	24.70	
		1	99	23.25	23.22	23.10	24.70	
		50	0	22.38	22.41	22.15	23.70	
		50	25	22.38	22.30	22.09	23.70	
		50	50	22.50	22.27	22.07	23.70	
		100	0	22.48	22.33	22.09	23.70	
	64QAM	1	0	22.24	22.48	22.17	23.70	
		1	50	22.08	22.30	21.86	23.70	
		1	99	22.52	22.28	21.96	23.70	
		50	0	21.44	21.33	21.16	22.70	
		50	25	21.56	21.26	21.09	22.70	



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256QAM	50	50	21.50	21.21	21.09	22.70
	100	0	21.48	21.27	21.10	22.70
	1	0	19.46	19.11	19.06	20.70
	1	50	19.59	19.34	19.05	20.70
	1	99	19.46	19.31	19.17	20.70
	50	0	19.51	19.36	19.15	20.70
	50	25	19.48	19.33	19.09	20.70
	50	50	19.45	19.23	19.04	20.70
	100	0	19.45	19.28	19.11	20.70

LTE Band 7 DSI1				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				20775	21100	21425		
5MHz	QPSK	1	0	19.05	19.13	19.05	20.70	
		1	13	19.15	19.08	19.20	20.70	
		1	24	19.10	19.10	19.14	20.70	
		12	0	19.34	19.24	19.32	20.70	
		12	6	19.32	19.22	19.32	20.70	
		12	13	19.27	19.22	19.33	20.70	
	16QAM	25	0	19.33	19.19	19.33	20.70	
		1	0	19.43	19.27	19.36	20.70	
		1	13	19.41	19.18	19.50	20.70	
		1	24	19.26	19.26	19.32	20.70	
		12	0	19.38	19.17	19.29	20.70	
		12	6	19.23	19.19	19.32	20.70	
	64QAM	12	13	19.22	19.18	19.29	20.70	
		25	0	19.26	19.18	19.33	20.70	
		1	0	19.32	19.26	19.24	20.70	
		1	13	19.25	19.33	19.23	20.70	
		1	24	19.24	19.17	19.25	20.70	
		12	0	19.38	19.19	19.35	20.70	
	256QAM	12	6	19.15	19.26	19.23	20.70	
		12	13	19.20	19.24	19.34	20.70	
		25	0	19.11	19.21	19.36	20.70	
		1	0	19.59	19.38	19.04	20.70	
		1	13	19.31	19.33	19.31	20.70	
		1	24	19.24	19.29	19.45	20.70	
	10MHz	QPSK	12	0	19.32	19.26	19.37	20.70
			12	6	19.37	19.28	19.34	20.70
			12	13	19.24	19.30	19.31	20.70
			25	0	19.30	19.30	19.37	20.70
			1	0	19.10	19.16	19.07	20.70
			1	25	19.11	19.05	19.18	20.70
16QAM		1	49	19.13	19.09	19.12	20.70	
		25	0	19.35	19.24	19.29	20.70	
		25	13	19.25	19.21	19.29	20.70	
		25	25	19.24	19.25	19.28	20.70	
		50	0	19.28	19.23	19.36	20.70	
		1	0	19.36	19.32	19.35	20.70	
64QAM	1	25	19.38	19.14	19.47	20.70		
	1	49	19.23	19.24	19.29	20.70		
	25	0	19.35	19.20	19.34	20.70		
	25	13	19.29	19.18	19.33	20.70		
	25	25	19.27	19.20	19.32	20.70		
	50	0	19.25	19.16	19.34	20.70		
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				20800	21100	21400		



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				20825	21100	21375		
15MHz	QPSK	1	0	19.11	19.16	19.02	20.70	
		1	38	19.14	19.12	19.20	20.70	
		1	74	19.11	19.15	19.09	20.70	
		36	0	19.35	19.25	19.29	20.70	
		36	18	19.32	19.23	19.31	20.70	
		36	39	19.22	19.22	19.26	20.70	
		75	0	19.26	19.18	19.33	20.70	
		16QAM	1	0	19.38	19.25	19.36	20.70
			1	38	19.43	19.20	19.49	20.70
			1	74	19.24	19.23	19.29	20.70
	36		0	19.34	19.23	19.33	20.70	
	36		18	19.30	19.14	19.30	20.70	
	36		39	19.29	19.21	19.37	20.70	
	64QAM	75	0	19.25	19.22	19.28	20.70	
		1	0	19.40	19.25	19.32	20.70	
		1	38	19.23	19.32	19.25	20.70	
		1	74	19.24	19.21	19.28	20.70	
		36	0	19.37	19.21	19.34	20.70	
		36	18	19.14	19.22	19.27	20.70	
		36	39	19.13	19.27	19.35	20.70	
	256QAM	75	0	19.12	19.20	19.35	20.70	
		1	0	19.60	19.36	19.05	20.70	
		1	38	19.32	19.31	19.37	20.70	
		1	74	19.23	19.25	19.45	20.70	
		36	0	19.28	19.21	19.37	20.70	
		36	18	19.35	19.21	19.33	20.70	
		36	39	19.27	19.28	19.37	20.70	
	20MHz	QPSK	1	0	19.33	19.38	19.30	20.70
1			50	19.36	19.33	19.47	20.70	
1			99	19.37	19.38	19.37	20.70	
50			0	19.59	19.46	19.57	20.70	
50			25	19.54	19.46	19.56	20.70	
50			50	19.49	19.50	19.55	20.70	
100			0	19.54	19.46	19.57	20.70	
16QAM		1	0	19.35	19.23	19.29	20.70	
		1	50	19.34	19.13	19.43	20.70	
		1	99	19.22	19.21	19.24	20.70	
		50	0	19.33	19.14	19.27	20.70	
		50	25	19.22	19.13	19.29	20.70	
		50	50	19.20	19.15	19.28	20.70	
		100	0	19.23	19.14	19.25	20.70	
64QAM		1	0	19.31	19.22	19.23	20.70	
		1	50	19.17	19.27	19.22	20.70	
		1	99	19.15	19.14	19.22	20.70	
		1	99	19.15	19.14	19.22	20.70	



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256QAM	50	0	19.31	19.18	19.31	20.70
	50	25	19.11	19.19	19.22	20.70
	50	50	19.12	19.21	19.26	20.70
	100	0	19.09	19.19	19.29	20.70
	1	0	19.58	19.31	18.96	20.70
	1	50	19.27	19.28	19.28	20.70
	1	99	19.21	19.22	19.37	20.70
	50	0	19.23	19.17	19.31	20.70
	50	25	19.28	19.19	19.27	20.70
	50	50	19.21	19.24	19.29	20.70
	100	0	19.24	19.22	19.29	20.70

LTE Band 7 DSI3/4/5				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				20775	21100	21425		
5MHz	QPSK	1	0	17.45	17.68	17.62	19.20	
		1	13	17.66	17.52	17.78	19.20	
		1	24	17.55	17.51	17.58	19.20	
		12	0	17.80	17.79	17.73	19.20	
		12	6	17.83	17.74	17.75	19.20	
		12	13	17.87	17.77	17.81	19.20	
	16QAM	1	0	17.96	17.67	17.90	19.20	
		1	13	17.91	17.65	17.93	19.20	
		1	24	17.86	17.69	17.84	19.20	
		12	0	17.91	17.64	17.79	19.20	
		12	6	17.67	17.70	17.92	19.20	
		12	13	17.71	17.65	17.81	19.20	
	64QAM	25	0	17.68	17.77	17.80	19.20	
		1	0	17.90	17.75	17.68	19.20	
		1	13	17.83	17.92	17.75	19.20	
		1	24	17.73	17.75	17.83	19.20	
		12	0	17.92	17.62	17.75	19.20	
		12	6	17.68	17.86	17.71	19.20	
	256QAM	12	13	17.65	17.76	17.81	19.20	
		25	0	17.62	17.63	17.89	19.20	
		1	0	18.11	17.78	17.61	19.20	
		1	13	17.80	17.91	17.74	19.20	
		1	24	17.67	17.89	18.01	19.20	
		12	0	17.82	17.75	17.87	19.20	
	10MHz	QPSK	12	6	17.78	17.68	17.92	19.20
			12	13	17.65	17.87	17.82	19.20
			25	0	17.73	17.81	17.94	19.20
			1	0	17.60	17.57	17.47	19.20
			1	25	17.66	17.64	17.69	19.20
			1	49	17.58	17.53	17.56	19.20
		16QAM	25	0	17.80	17.77	17.71	19.20
			25	13	17.65	17.63	17.72	19.20
			25	25	17.64	17.79	17.88	19.20
			50	0	17.85	17.68	17.85	19.20
			1	0	17.91	17.87	17.91	19.20
			1	25	17.86	17.70	17.88	19.20
16QAM	1	49	17.66	17.72	17.76	19.20		
	25	0	17.85	17.79	17.83	19.20		
	25	13	17.88	17.72	17.77	19.20		
	25	25	17.74	17.70	17.83	19.20		
	50	0	17.69	17.61	17.89	19.20		



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				20825	21100	21375		
15MHz	64QAM	1	0	17.83	17.80	17.71	19.20	
		1	25	17.68	17.91	17.69	19.20	
		1	49	17.68	17.64	17.88	19.20	
		25	0	17.78	17.67	17.94	19.20	
		25	13	17.61	17.78	17.74	19.20	
		25	25	17.71	17.79	17.80	19.20	
	256QAM	50	0	17.62	17.79	17.86	19.20	
		1	0	18.07	17.85	17.46	19.20	
		1	25	17.81	17.87	17.87	19.20	
		1	49	17.82	17.72	17.93	19.20	
		25	0	17.90	17.76	17.88	19.20	
		25	13	17.81	17.68	17.82	19.20	
	16QAM	25	25	17.72	17.82	17.81	19.20	
		50	0	17.86	17.71	17.84	19.20	
		QPSK	1	0	17.53	17.63	17.49	19.20
			1	38	17.58	17.54	17.76	19.20
			1	74	17.57	17.70	17.52	19.20
			36	0	17.82	17.76	17.80	19.20
			36	18	17.81	17.77	17.86	19.20
			36	39	17.70	17.64	17.76	19.20
16QAM		75	0	17.82	17.76	17.85	19.20	
		1	0	17.85	17.79	17.84	19.20	
		1	38	18.00	17.80	17.97	19.20	
		1	74	17.65	17.75	17.88	19.20	
		36	0	17.93	17.73	17.74	19.20	
		36	18	17.82	17.66	17.71	19.20	
64QAM	36	39	17.72	17.80	17.86	19.20		
	75	0	17.84	17.65	17.77	19.20		
	1	0	17.82	17.79	17.86	19.20		
	1	38	17.64	17.81	17.79	19.20		
	1	74	17.70	17.80	17.85	19.20		
	36	0	17.91	17.71	17.91	19.20		
256QAM	36	18	17.59	17.68	17.80	19.20		
	36	39	17.56	17.76	17.77	19.20		
	75	0	17.67	17.71	17.84	19.20		
	1	0	18.19	17.84	17.57	19.20		
	1	38	17.92	17.71	17.81	19.20		
	1	74	17.74	17.69	17.94	19.20		
20MHz	QPSK	36	0	17.83	17.77	17.90	19.20	
		36	18	17.83	17.83	17.92	19.20	
		50	0	18.00	17.89	18.11	19.20	
		50	25	18.13	18.05	18.12	19.20	
		50	50	18.09	18.00	18.00	19.20	
		100	0	18.09	18.04	18.03	19.20	
	16QAM	1	0	17.84	17.75	17.88	19.20	
		1	50	17.80	17.68	17.88	19.20	
		1	99	17.74	17.80	17.64	19.20	
		50	0	17.78	17.66	17.68	19.20	
64QAM	50	25	17.66	17.71	17.87	19.20		
	50	50	17.60	17.63	17.74	19.20		
100	0	17.73	17.71	17.76	19.20			
1	0	17.88	17.74	17.69	19.20			



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