



REPORT No. : SZ21100051S01

Annex E Conducted Power

GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	Ch Delta > 0.5
	128	189	251		128	189	251		
	824.2	836.4	848.8		824.2	836.4	848.8		
Frequency (MHz)	824.2	836.4	848.8						
GSM 1 Tx slot	33.36	33.35	33.30	34.00	24.36	24.35	24.30	25.00	0.08
GPRS 1 Tx slot	33.37	33.38	33.31	34.00	24.37	24.38	24.31	25.00	
GPRS 2 Tx slots	32.28	32.38	32.33	33.00	26.28	26.38	26.33	27.00	0.10
GPRS 3 Tx slots	30.20	30.25	30.24	31.00	25.94	25.99	25.98	26.74	0.05
GPRS 4 Tx slots	28.64	28.65	28.62	29.00	25.64	25.65	25.62	26.00	0.03
EDGE 1 Tx slot	27.66	27.65	27.64	28.50	18.66	18.65	18.64	19.50	0.02
EDGE 2 Tx slots	25.22	25.11	25.42	26.00	19.22	19.11	19.42	20.00	0.31
EDGE 3 Tx slots	22.45	22.46	22.37	23.00	18.19	18.20	18.11	18.74	0.09
EDGE 4 Tx slots	21.55	21.62	21.64	22.00	18.55	18.62	18.64	19.00	0.09

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	Ch Delta > 0.5
	512	661	810		512	661	810		
	1850.2	1880	1909.8		1850.2	1880	1909.8		
Frequency (MHz)	1850.2	1880	1909.8						
GSM 1 Tx slot	30.21	30.23	30.19	31.00	21.21	21.23	21.19	22.00	0.05
GPRS 1 Tx slot	30.22	30.24	30.20	31.00	21.22	21.24	21.20	22.00	
GPRS 2 Tx slots	29.32	29.37	29.35	30.00	23.32	23.37	23.35	24.00	0.05
GPRS 3 Tx slots	27.10	27.18	27.14	28.00	22.84	22.92	22.88	23.74	0.08
GPRS 4 Tx slots	25.64	25.66	25.58	26.00	22.64	22.66	22.58	23.00	0.08
EDGE 1 Tx slot	25.61	25.72	25.64	26.00	16.61	16.72	16.64	17.00	0.11
EDGE 2 Tx slots	24.71	24.86	24.68	25.50	18.71	18.86	18.68	19.50	0.18
EDGE 3 Tx slots	22.55	22.77	22.49	23.00	18.29	18.51	18.23	18.74	0.28
EDGE 4 Tx slots	21.43	21.52	21.48	22.00	18.43	18.52	18.48	19.00	0.09

Band TX Channel	WCDMA Band II			Tune-up Limit (dBm)	WCDMA Band IV			Tune-up Limit (dBm)	WCDMA Band V			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513		4132	4182	4233	
	9662	9800	9938		1537	1638	1738		4357	4407	4458	
Rx Channel	9662	9800	9938									
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99 RMC 12.2Kbps	23.42	23.51	23.44	24.00	23.51	23.56	23.44	24.00	23.26	23.33	23.27	24.00
3GPP Rel 6 HSDPA Subtest-1	22.21	22.35	22.60	23.00	22.53	22.69	22.59	23.00	22.60	22.21	22.67	23.00
3GPP Rel 6 HSDPA Subtest-2	22.32	22.42	22.58	23.00	22.58	22.81	22.68	23.00	22.63	22.30	22.62	23.00
3GPP Rel 6 HSDPA Subtest-3	21.87	21.93	22.14	22.50	22.12	22.30	22.14	23.00	22.12	21.72	22.18	23.00
3GPP Rel 6 HSDPA Subtest-4	21.85	21.88	22.20	22.50	22.08	22.20	22.18	23.00	22.11	21.72	22.12	23.00
3GPP Rel 6 HSUPA Subtest-1	21.70	21.76	21.99	22.50	21.97	22.11	22.05	23.00	22.12	22.03	22.64	23.00
3GPP Rel 6 HSUPA Subtest-2	22.21	22.31	22.50	23.00	22.47	22.67	22.48	23.00	22.52	22.48	22.67	23.00
3GPP Rel 6 HSUPA Subtest-3	21.34	21.38	21.57	22.00	21.50	21.74	21.59	22.50	21.61	21.61	21.72	22.50
3GPP Rel 6 HSUPA Subtest-4	22.17	22.33	22.46	23.00	22.37	22.59	22.53	23.00	22.52	22.51	21.63	23.00
3GPP Rel 6 HSUPA Subtest-5	21.21	21.38	21.59	22.00	21.55	21.68	21.58	22.50	21.54	21.64	21.68	22.50
3GPP Rel 7 HSPA+ (16QAM) Subtest-	21.21	21.25	21.47	22.00	21.46	21.61	21.50	22.50	21.57	21.54	21.59	22.50

3	16QAM	15	0	22.71	22.75	22.70	23
3	64QAM	1	0	22.24	22.17	22.20	
3	64QAM	1	8	22.66	22.65	22.25	
3	64QAM	1	14	22.27	22.63	22.27	23
3	64QAM	8	0	22.19	22.21	22.05	
3	64QAM	8	4	22.29	22.19	22.19	
3	64QAM	8	7	22.39	22.28	22.14	23
3	64QAM	15	0	22.24	22.24	22.22	
Channel				18607	18900	19193	
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	23.17	23.20	23.15	24
1.4	QPSK	1	3	23.07	23.05	23.04	
1.4	QPSK	1	5	23.04	23.02	23.00	
1.4	QPSK	3	0	23.04	23.04	23.00	
1.4	QPSK	3	1	23.08	23.05	23.03	
1.4	QPSK	3	3	23.10	23.14	23.03	
1.4	QPSK	6	0	22.13	22.11	22.10	23
1.4	16QAM	1	0	22.16	22.16	22.10	23
1.4	16QAM	1	3	22.12	22.32	22.30	
1.4	16QAM	1	5	22.00	22.20	21.88	
1.4	16QAM	3	0	22.02	22.07	22.04	
1.4	16QAM	3	1	22.20	22.02	22.07	
1.4	16QAM	3	3	22.22	22.19	21.93	
1.4	16QAM	6	0	22.23	22.16	22.11	23
1.4	64QAM	1	0	22.11	22.03	22.06	23
1.4	64QAM	1	3	22.13	22.34	22.22	
1.4	64QAM	1	5	22.11	22.46	22.05	
1.4	64QAM	3	0	22.14	22.20	22.21	
1.4	64QAM	3	1	22.23	22.20	22.41	
1.4	64QAM	3	3	22.15	22.29	22.06	
1.4	64QAM	6	0	22.20	22.23	22.12	23

3	16QAM	15	0	22.54	22.52	22.59	23
3	64QAM	1	0	22.21	22.30	22.28	
3	64QAM	1	8	22.40	22.28	22.44	
3	64QAM	1	14	22.21	22.28	22.11	23
3	64QAM	8	0	22.19	22.23	22.17	
3	64QAM	8	4	22.31	22.29	22.33	
3	64QAM	8	7	22.25	22.32	22.44	23
3	64QAM	15	0	22.21	22.29	22.20	
Channel				19957	20175	20393	
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	22.86	23.07	23.08	24
1.4	QPSK	1	3	23.20	23.20	23.24	
1.4	QPSK	1	5	23.06	23.15	23.17	
1.4	QPSK	3	0	23.14	23.11	23.10	
1.4	QPSK	3	1	23.10	23.20	23.25	
1.4	QPSK	3	3	23.09	23.16	23.15	
1.4	QPSK	6	0	22.25	22.27	22.23	23
1.4	16QAM	1	0	22.19	22.66	22.32	23
1.4	16QAM	1	3	22.32	22.40	22.44	
1.4	16QAM	1	5	22.38	22.54	22.34	
1.4	16QAM	3	0	22.41	22.45	22.36	
1.4	16QAM	3	1	22.42	22.45	22.47	
1.4	16QAM	3	3	22.41	22.53	22.42	
1.4	16QAM	6	0	22.32	22.33	22.24	23
1.4	64QAM	1	0	22.10	22.04	22.18	23
1.4	64QAM	1	3	22.36	22.34	22.46	
1.4	64QAM	1	5	22.27	22.23	22.07	
1.4	64QAM	3	0	22.18	22.16	22.35	
1.4	64QAM	3	1	22.09	22.24	22.21	
1.4	64QAM	3	3	22.15	22.32	22.20	
1.4	64QAM	6	0	22.14	22.15	22.22	23

LTE Band 17

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	23.44	23.47	23.44	
10	QPSK	1	25	23.32	23.28	23.34	24
10	QPSK	1	49	23.25	23.28	23.23	
10	QPSK	25	0	22.55	22.61	22.53	
10	QPSK	25	12	22.40	22.34	22.48	23
10	QPSK	25	25	22.38	22.38	22.47	
10	QPSK	50	0	22.51	22.38	22.39	
10	16QAM	1	0	22.24	22.43	22.57	23
10	16QAM	1	25	22.45	22.74	22.58	
10	16QAM	1	49	22.41	22.66	22.71	
10	16QAM	25	0	22.35	22.59	22.58	23
10	16QAM	25	12	22.41	22.56	22.54	
10	16QAM	25	25	22.24	22.50	22.55	
10	16QAM	50	0	22.28	22.57	22.54	23
10	64QAM	1	0	22.25	22.58	22.26	
10	64QAM	1	25	22.48	22.38	22.28	
10	64QAM	1	49	22.22	22.25	22.25	23
10	64QAM	25	0	22.40	22.57	22.55	
10	64QAM	25	12	22.32	22.40	22.57	
10	64QAM	25	25	22.26	22.47	22.63	23
10	64QAM	50	0	22.33	22.56	22.57	
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				708.5	710	713.5	
5	QPSK	1	0	23.38	23.34	23.30	24
5	QPSK	1	12	23.37	23.33	23.32	
5	QPSK	1	24	23.29	23.35	23.34	
5	QPSK	12	0	22.45	22.63	22.52	23
5	QPSK	12	7	22.57	22.66	22.22	
5	QPSK	12	13	22.36	22.24	22.30	
5	QPSK	25	0	22.36	22.16	22.29	23
5	16QAM	1	0	22.47	22.52	22.24	
5	16QAM	1	12	22.64	22.20	22.57	
5	16QAM	1	24	22.48	22.53	22.69	23
5	16QAM	12	0	22.36	22.39	22.60	
5	16QAM	12	7	22.36	22.43	22.55	
5	16QAM	12	13	22.27	22.52	22.55	23
5	16QAM	25	0	22.37	22.49	22.53	
5	64QAM	1	0	22.17	22.18	22.18	
5	64QAM	1	12	22.21	22.18	22.26	23
5	64QAM	1	24	22.26	22.26	22.18	
5	64QAM	12	0	22.32	22.37	22.61	
5	64QAM	12	7	22.45	22.53	22.47	23
5	64QAM	12	13	22.30	22.48	22.50	
5	64QAM	25	0	22.27	22.46	22.62	

LTE Band 38

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	23.36	23.38	23.31	24
20	QPSK	1	49	23.31	23.31	23.32	
20	QPSK	1	99	23.32	23.27	23.37	
20	QPSK	50	0	22.47	22.48	22.46	23
20	QPSK	50	24	22.32	22.25	22.22	
20	QPSK	50	50	22.46	22.26	22.25	
20	QPSK	100	0	22.25	22.32	22.26	23
20	16QAM	1	0	22.42	22.25	22.32	
20	16QAM	1	49	22.30	22.25	22.20	
20	16QAM	1	99	22.22	22.32	22.30	23
20	16QAM	50	0	22.32	22.25	22.55	
20	16QAM	50	24	22.53	22.22	22.32	
20	16QAM	50	50	22.59	22.68	22.29	23
20	16QAM	100	0	22.52	22.67	22.36	
20	64QAM	1	0	22.27	22.47	22.30	
20	64QAM	1	49	22.39	22.29	22.58	23
20	64QAM	1	99	22.34	22.25	22.34	
20	64QAM	50	0	22.31	22.28	22.23	
20	64QAM	50	24	22.47	22.35	22.32	23
20	64QAM	50	50	22.46	22.49	22.38	
20	64QAM	100	0	22.56	22.52	22.20	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	23.08	23.28	23.15	24
15	QPSK	1	37	23.26	23.32	23.15	
15	QPSK	1	74	23.24	23.25	23.08	
15	QPSK	36	0	22.42	22.27	22.47	23
15	QPSK	36	20	22.47	22.23	22.43	
15	QPSK	36	39	22.50	22.22	22.46	
15	QPSK	75	0	22.52	22.25	22.49	23
15	16QAM	1	0	22.33	22.62	22.27	
15	16QAM	1	37	22.50	22.19	22.33	
15	16QAM	1	74	22.42	22.26	22.17	23
15	16QAM	36	0	22.49	22.16	22.36	
15	16QAM	36	20	22.43	22.12	22.32	
15	16QAM	36	39	22.56	22.66	22.36	23
15	16QAM	75	0	22.57	22.14	22.36	
15	64QAM	1	0	22.28	22.52	22.16	
15	64QAM	1	37	22.42	22.66	22.29	23
15	64QAM	1	74	22.35	22.45	22.63	
15	64QAM	36	0	22.41	22.23	22.37	
15	64QAM	36	20	22.52	22.67	22.30	23
15	64QAM	36	39	22.51	22.64	22.36	
15	64QAM	75	0	22.52	22.64	22.40	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	23.17	23.25	23.13	24
10	QPSK	1	25	23.22	23.12	23.08	
10	QPSK	1	49	23.09	23.32	23.32	
10	QPSK	25	0	22.47	22.35	22.31	23
10	QPSK	25	12	22.46	22.24	22.31	
10	QPSK	25	25	22.55	22.19	22.35	
10	QPSK	50	0	22.59	22.27	22.33	23
10	16QAM	1	0	21.94	22.09	22.34	
10	16QAM	1	25	22.03	22.24	22.17	
10	16QAM	1	49	21.99	22.16	22.30	23
10	16QAM	25	0	22.02	22.30	22.48	
10	16QAM	25	12	21.99	22.16	22.42	
10	16QAM	25	25	22.06	22.28	22.55	23
10	16QAM	50	0	22.02	22.26	22.44	
10	64QAM	1	0	22.37	21.97	22.31	
10	64QAM	1	25	22.49	22.14	22.36	23
10	64QAM	1	49	22.38	22.01	22.27	
10	64QAM	25	0	22.52	22.22	22.40	
10	64QAM	25	12	22.49	22.11	22.40	23
10	64QAM	25	25	22.53	22.20	22.37	
10	64QAM	50	0	22.50	22.25	22.46	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	23.02	23.25	23.22	24
5	QPSK	1	12	23.17	23.12	23.25	
5	QPSK	1	24	23.08	23.22	22.95	
5	QPSK	12	0	22.40	22.44	22.53	23
5	QPSK	12	7	22.53	22.29	22.59	
5	QPSK	12	13	22.53	22.51	22.65	
5	QPSK	25	0	22.54	22.52	22.67	23
5	16QAM	1	0	22.37	22.53	22.22	
5	16QAM	1	12	22.54	22.70	22.38	
5	16QAM	1	24	22.40	22.51	22.23	23
5	16QAM	12	0	22.17	22.17	22.35	
5	16QAM	12	7	22.12	22.27	22.46	
5	16QAM	12	13	22.25	22.17	22.39	23
5	16QAM	25	0	22.13	22.25	22.46	
5	64QAM	1	0	22.44	22.49	22.24	
5	64QAM	1	12	22.65	22.62	22.33	23
5	64QAM	1	24	22.50	22.55	22.19	
5	64QAM	12	0	22.68	22.15	22.27	
5	64QAM	12	7	22.16	22.23	22.45	23
5	64QAM	12	13	22.15	22.02	22.33	
5	64QAM	25	0	22.15	22.08	22.42	

2.4GHz WLAN

Mode	Channel	Frequency (MHz)	Average power (dBm)		Tune-Up Limit	Power Setting	Duty Cycle %
			1Mbps	2Mbps			
802.11b 1Mbps	CH 1	2412	18.75	19.50	21.00	99.53	
	CH 7	2442	18.65	19.00	21.00		
	CH 13	2472	18.45	19.00	21.00		
802.11g 6Mbps	CH 1	2412	16.57	17.00	19.00	97.22	
	CH 7	2442	16.43	17.00	19.00		
	CH 13	2472	17.46	18.00	19.00		
802.11n-HT20 MCS0	CH 1	2412	15.45	16.00	18.00	96.30	
	CH 7	2442	15.39	16.00	18.00		
	CH 13	2472	15.03	16.00	18.00		
802.11n-HT40 MCS0	CH 1	2412	15.56	16.00	18.00	94.20	
	CH 7	2442	15.37	16.00	18.00		
	CH 13	2472	15.22	16.00	18.00		

5.2GHz WLAN

Mode	Channel	Frequency (MHz)	Average power (dBm)		Tune-Up Limit	Power Setting	Duty Cycle %
			1Mbps	2Mbps			
802.11a 6Mbps	CH 36	5180	15.01	15.50	16.00	96.53	
	CH 44	5220	15.35	16.00	16.00		
	CH 48	5240	15.62	16.00	16.00		
802.11n-HT20 MCS0	CH 36	5180	14.77	15.00	16.00	97.01	
	CH 44	5220	15.14	15.50	16.00		
	CH 48	5240	15.31	16.00	16.00		
802.11n-HT40 MCS0	CH 38	5190	14.64	15.00	16.00	94.20	
	CH 46	5230	14.87	15.50	16.00		
802.11ac-VHT20 MCS0	CH 36	5180	11.82	12.50	16.00	97.06	
	CH 44	5220	12.07	13.00	13.00		
	CH 48	5240	12.10	13.00	13.00		
802.11ac-VHT40 MCS0	CH 38	5190	11.48	12.00	13.00	92.86	
	CH 46	5230	11.75	12.50	13.00		
802.11ac-VHT80 MCS0	CH 42	5210	11.36	12.00	13.00	86.49	

5.8GHz WLAN

Mode	Channel	Frequency (MHz)	Average power (dBm)		Tune-Up Limit	Power Setting	Duty Cycle %
			1Mbps	2Mbps			
802.11a 6Mbps	CH 149	5745	15.51	16.00	16.00	96.53	
	CH 157	5785	15.47	16.00	16.00		
	CH 165	5825	15.40	16.00	16.00		
802.11n-HT20 MCS0	CH 149	5745	15.15	16.00	16.00	97.01	
	CH 157	5785	14.89	15.50	16.00		
	CH 165	5825	14.91	15.50	16.00		
802.11n-HT40 MCS0	CH 151	5755	14.73	15.00	16.00	94.20	
	CH 159	5795	14.50	15.00	16.00		
802.11ac-VHT20 MCS0	CH 149	5745	11.92	12.50	13.00	97.06	
	CH 157	5785	11.70	12.50	13.00		
	CH 165	5825	11.64	12.50	13.00		
802.11ac-VHT40 MCS0	CH 151	5755	11.62	12.50	13.00	92.86	
	CH 159	5795	11.46	12.00	13.00		
802.11ac-VHT80 MCS0	CH 155	5775	11.18	12.00	13.00	86.49	

Bluetooth

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	8.28	4.54	4.93
	CH 39	2441	7.39	4.47	3.93
	CH 78	2480	7.41	5.93	6.06
Tune-up Limit			9.00	6.50	7.00
Duty Cycle %			77.8	77.33	77.33

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
LE	CH 00	2402	-5.67	-8.15	N/A
	CH 19	2440	-5.78	-8.22	N/A
	CH 39	2480	-6.90	-9.47	N/A
Tune-up Limit			-5.00	-9.00	N/A
Duty Cycle %			60.32	32.26	N/A

CA_5B											
Combination:10MHz+10MHz(50RB+50RB)											
PCC Channel	PCC Channel (3GPP)	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level(dB)	Measured Power(dBm)	Tune-up limit(dBm)
				RB Size	RB Offset	RB Size	RB Offset				
20450	20450	20549	QPSK	1	0	0	0	1	0	18.46	19
20525	20476	20575	QPSK	1	0	0	0	1	0	18.57	19
20600	20501	20600	QPSK	1	0	0	0	1	0	18.39	19
20450	20450	20549	16QAM	1	0	0	0	1	0	17.16	18
20525	20476	20575	16QAM	1	0	0	0	1	0	17.22	18
20600	20501	20600	16QAM	1	0	0	0	1	0	16.86	18
20450	20450	20549	64QAM	1	0	0	0	1	0	17.38	18
20525	20476	20575	64QAM	1	0	0	0	1	0	16.92	18
20600	20501	20600	64QAM	1	0	0	0	1	0	17.42	18
20450	20450	20549	QPSK	50	0	0	0	1	0	16.72	18
20525	20476	20575	QPSK	50	0	0	0	1	0	17.11	18
20600	20501	20600	QPSK	50	0	0	0	1	0	16.99	18

CA_7C											
Combination:20MHz+20MHz(100RB+100RB)											
PCC Channel	PCC Channel (3GPP)	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level(dB)	Measured Power(dBm)	Tune-up limit(dBm)
				RB Size	RB Offset	RB Size	RB Offset				
20850	20850	21048	QPSK	1	0	0	0	1	0	18.64	19
21100	21001	21199	QPSK	1	0	0	0	1	0	18.66	19
21350	21152	21350	QPSK	1	0	0	0	1	0	18.52	19
20850	20850	21048	16QAM	1	0	0	0	1	0	17.19	18
21100	21001	21199	16QAM	1	0	0	0	1	0	17.21	18
21350	21152	21350	16QAM	1	0	0	0	1	0	17.16	18
20850	20850	21048	64QAM	1	0	0	0	1	0	17.21	18
21100	21001	21199	64QAM	1	0	0	0	1	0	17.16	18
21350	21152	21350	64QAM	1	0	0	0	1	0	17.11	18
20850	20850	21048	QPSK	50	0	0	0	1	0	17.13	18
21100	21001	21199	QPSK	50	0	0	0	1	0	17.22	18
21350	21152	21350	QPSK	50	0	0	0	1	0	17.15	18

CA_38C											
Combination:20MHz+20MHz(100RB+100RB)											
PCC Channel	PCC Channel (3GPP)	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level(dB)	Measured Power(dBm)	Tune-up limit(dBm)
				RB Size	RB Offset	RB Size	RB Offset				
37850	37850	38048	QPSK	1	0	0	0	1	0	19.21	20
38000	37901	38099	QPSK	1	0	0	0	1	0	19.36	20
38150	37952	38150	QPSK	1	0	0	0	1	0	19.28	20
37850	37850	38048	16QAM	1	0	0	0	1	0	18.24	19
38000	37901	38099	16QAM	1	0	0	0	1	0	18.35	19
38150	37952	38150	16QAM	1	0	0	0	1	0	18.11	19
37850	37850	38048	64QAM	1	0	0	0	1	0	18.12	19
38000	37901	38099	64QAM	1	0	0	0	1	0	17.92	19
38150	37952	38150	64QAM	1	0	0	0	1	0	17.99	19
37850	37850	38048	QPSK	50	0	0	0	1	0	17.26	18
38000	37901	38099	QPSK	50	0	0	0	1	0	17.13	18
38150	37952	38150	QPSK	50	0	0	0	1	0	17.18	18