



Tune Up Procedure

Tune-up procedure

GSM/WCDMA/LTE TEST

Measurement Procedure:

GSMWCDMA/LTE

1.Connect EUT with CMU200(E5515C)/CMW500, through RF cable. Make a call from CMU200(E5515C)/CMW500;

2.Measure the Output Power Average value;

3.Remarks: All Output Power are tested in Average Value specification.

For WIFI/BT

1: Connect to Power meter (NRVD) through RF cable and let the EUT Continuously transmit

2: Measure the Output Power Average value

Manufacturing tolerance

1.1.1. Conducted power measurement results for GSM850

GSM 850										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM(GMS K)	GSM	32.6 4	32.6 8	32.6 2	33.00	-9.19	23.45	23.49	23.43	23.81
GPRS(GMS K)	1 TX Slot	32.5 3	32.5 1	32.4 9	33.00	-9.19	23.34	23.32	23.30	23.81
	2 TX Slots	30.9 2	30.9 7	30.9 5	31.00	-6.18	24.74	24.79	24.77	24.82
	3 TX Slots	29.4 4	29.4 7	29.4 3	30.00	-4.42	25.02	25.05	25.01	25.58
	4 TX Slots	27.9 4	27.9 7	27.9 0	28.00	-3.17	24.77	24.80	24.73	24.83
EGPRS(8P SK)	1 TX Slot	25.9 3	25.9 6	25.9 4	26.00	-9.19	16.74	16.77	16.75	16.81
	2 TX Slots	24.5 2	24.5 2	24.4 6	25.00	-6.18	18.34	18.34	18.28	18.82
	3 TX Slots	22.9 5	22.9 7	22.9 2	23.00	-4.42	18.53	18.55	18.50	18.58
	4 TX Slots	21.4 3	21.4 5	21.4 2	22.00	-3.17	18.26	18.28	18.25	18.83





1.1.2. Conducted power measurement results for PCS1900

GSM 1900										
Burst Output Power(dBm)				Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up	
Channel		512	661			512	661	810		
GSM(GMS K)	GSM	29.6 6	29.7 0	29.6 7	30.00	-9.19	20.47	20.51	20.48	20.81
GPRS(GMS K)	1 TX Slot	29.4 8	29.5 0	29.4 1	30.00	-9.19	20.29	20.31	20.22	20.81
	2 TX Slots	27.9 1	27.9 6	27.9 0	28.00	-6.18	21.73	21.78	21.72	21.82
	3 TX Slots	26.4 3	26.4 5	26.3 7	27.00	-4.42	22.01	22.03	21.95	22.58
	4 TX Slots	24.9 4	24.9 7	24.9 3	25.00	-3.17	21.77	21.80	21.76	21.83
EGPRS(8P SK)	1 TX Slot	25.4 5	25.5 2	25.4 6	26.00	-9.19	16.26	16.33	16.27	16.81
	2 TX Slots	23.9 2	23.9 2	23.9 2	24.00	-6.18	17.74	17.74	17.74	17.82
	3 TX Slots	22.4 5	22.4 8	22.4 2	23.00	-4.42	18.03	18.06	18.00	18.58
	4 TX Slots	20.9 4	20.9 5	20.9 2	21.00	-3.17	17.77	17.78	17.75	17.83

1.1.3. Conducted Power Measurement Results(WCDMA Band II)

Item	Band	WCDMA Band II result (dBm)			
		Channel/Frequency(MHz)			
	sub-test	9262/1852.4	9400/1880	9538/1907.6	Tune up
RMC	12.2kbps RMC	23.53	23.66	23.58	24.00
HSDPA	Sub -Test 1	22.98	22.81	22.89	23.00
	Sub -Test 2	22.82	22.84	22.86	23.00
	Sub -Test 3	22.82	22.72	22.83	23.00
	Sub -Test 4	22.78	22.87	22.83	23.00
HSUPA	Sub -Test 1	22.78	22.84	22.82	23.00
	Sub -Test 2	22.72	22.75	22.77	23.00
	Sub -Test 3	22.80	22.73	22.88	23.00
	Sub -Test 4	22.78	22.85	22.83	23.00
	Sub -Test 5	22.73	22.89	22.70	23.00



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1.1.4. Conducted Power Measurement Results(WCDMA Band IV)

Item	Band	WCDMA Band IV result (dBm)			
		Channel/Frequency(MHz)			
	sub-test	1312/1712.4	1413/1732.6	1513/1752.6	Tune up
RMC	12.2kbps RMC	21.63	21.08	21.79	22.00
HSDPA	Sub –Test 1	23.40	23.38	23.47	23.50
	Sub –Test 2	22.81	22.87	22.83	23.00
	Sub –Test 3	22.75	22.76	22.79	23.00
	Sub –Test 4	22.86	22.74	22.73	23.00
HSUPA	Sub –Test 1	22.73	22.79	22.80	23.00
	Sub –Test 2	22.87	22.71	22.72	23.00
	Sub –Test 3	22.88	22.86	22.79	23.00
	Sub –Test 4	22.86	22.89	22.77	23.00
	Sub –Test 5	22.74	22.71	22.79	23.00

1.1.5. Conducted Power Measurement Results(WCDMA Band V)

Item	Band	WCDMA Band V result (dBm)			
		Channel/Frequency(MHz)			
	sub-test	4132/826.4	4182/836.4	4233/846.6	Tune up
RMC	12.2kbps RMC	22.80	22.78	22.87	23.00
HSDPA	Sub –Test 1	21.45	21.30	21.12	21.50
	Sub –Test 2	21.57	21.71	21.54	22.00
	Sub –Test 3	20.64	20.25	20.74	21.00
	Sub –Test 4	21.25	21.07	21.11	21.50
HSUPA	Sub –Test 1	22.14	22.08	22.51	23.00
	Sub –Test 2	21.40	20.83	21.44	21.50
	Sub –Test 3	22.12	21.59	21.63	22.50
	Sub –Test 4	20.61	21.13	20.76	21.50
	Sub –Test 5	21.19	21.35	20.80	21.50

1.1.6. Conducted Power Measurement Results(LTE Band 2)

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Tune up(dBm)
Band2	1.4MHz	QPSK	18607	1RB#0	21.94	22.00
Band2	1.4MHz	16QAM	18607	1RB#0	21.69	22.00
Band2	1.4MHz	QPSK	18607	1RB#2	21.96	22.00
Band2	1.4MHz	16QAM	18607	1RB#2	21.75	22.00
Band2	1.4MHz	QPSK	18607	1RB#5	21.98	22.00
Band2	1.4MHz	16QAM	18607	1RB#5	21.75	22.00



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Band2	1.4MHz	QPSK	18607	3RB#0	22.02	23.00
Band2	1.4MHz	16QAM	18607	3RB#0	21.98	22.00
Band2	1.4MHz	QPSK	18607	3RB#1	21.96	22.00
Band2	1.4MHz	16QAM	18607	3RB#1	22.00	23.00
Band2	1.4MHz	QPSK	18607	3RB#3	22.10	23.00
Band2	1.4MHz	16QAM	18607	3RB#3	21.95	22.00
Band2	1.4MHz	QPSK	18607	6RB#0	21.06	22.00
Band2	1.4MHz	16QAM	18607	6RB#0	20.10	21.00
Band2	1.4MHz	QPSK	18900	1RB#0	22.01	23.00
Band2	1.4MHz	16QAM	18900	1RB#0	21.28	22.00
Band2	1.4MHz	QPSK	18900	1RB#2	22.02	23.00
Band2	1.4MHz	16QAM	18900	1RB#2	21.29	22.00
Band2	1.4MHz	QPSK	18900	1RB#5	22.10	23.00
Band2	1.4MHz	16QAM	18900	1RB#5	21.37	22.00
Band2	1.4MHz	QPSK	18900	3RB#0	22.20	23.00
Band2	1.4MHz	16QAM	18900	3RB#0	22.27	23.00
Band2	1.4MHz	QPSK	18900	3RB#1	22.16	23.00
Band2	1.4MHz	16QAM	18900	3RB#1	22.24	23.00
Band2	1.4MHz	QPSK	18900	3RB#3	22.29	23.00
Band2	1.4MHz	16QAM	18900	3RB#3	22.37	23.00
Band2	1.4MHz	QPSK	18900	6RB#0	21.39	22.00
Band2	1.4MHz	16QAM	18900	6RB#0	20.35	21.00
Band2	1.4MHz	QPSK	19193	1RB#0	23.75	24.00
Band2	1.4MHz	16QAM	19193	1RB#0	22.47	23.00
Band2	1.4MHz	QPSK	19193	1RB#2	23.76	24.00
Band2	1.4MHz	16QAM	19193	1RB#2	22.58	23.00
Band2	1.4MHz	QPSK	19193	1RB#5	23.82	24.00
Band2	1.4MHz	16QAM	19193	1RB#5	22.63	23.00
Band2	1.4MHz	QPSK	19193	3RB#0	23.61	24.00
Band2	1.4MHz	16QAM	19193	3RB#0	23.69	24.00
Band2	1.4MHz	QPSK	19193	3RB#1	23.68	24.00
Band2	1.4MHz	16QAM	19193	3RB#1	23.66	24.00
Band2	1.4MHz	QPSK	19193	3RB#3	23.74	24.00
Band2	1.4MHz	16QAM	19193	3RB#3	23.72	24.00
Band2	1.4MHz	QPSK	19193	6RB#0	22.74	23.00
Band2	1.4MHz	16QAM	19193	6RB#0	21.83	22.00
Band2	3MHz	QPSK	18615	1RB#0	20.82	21.00
Band2	3MHz	16QAM	18615	1RB#0	19.85	20.00
Band2	3MHz	QPSK	18615	1RB#8	20.97	21.00
Band2	3MHz	16QAM	18615	1RB#8	19.81	20.00



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Band2	3MHz	QPSK	18615	1RB#14	20.95	21.00
Band2	3MHz	16QAM	18615	1RB#14	19.83	20.00
Band2	3MHz	QPSK	18615	8RB#0	19.96	20.00
Band2	3MHz	16QAM	18615	8RB#0	20.10	21.00
Band2	3MHz	QPSK	18615	8RB#4	20.10	21.00
Band2	3MHz	16QAM	18615	8RB#4	20.10	21.00
Band2	3MHz	QPSK	18615	8RB#7	20.10	21.00
Band2	3MHz	16QAM	18615	8RB#7	20.10	21.00
Band2	3MHz	QPSK	18615	15RB#0	20.10	21.00
Band2	3MHz	16QAM	18615	15RB#0	19.26	20.00
Band2	3MHz	QPSK	18900	1RB#0	21.20	22.00
Band2	3MHz	16QAM	18900	1RB#0	20.51	21.00
Band2	3MHz	QPSK	18900	1RB#8	21.39	22.00
Band2	3MHz	16QAM	18900	1RB#8	20.66	21.00
Band2	3MHz	QPSK	18900	1RB#14	21.45	22.00
Band2	3MHz	16QAM	18900	1RB#14	20.68	21.00
Band2	3MHz	QPSK	18900	8RB#0	20.67	21.00
Band2	3MHz	16QAM	18900	8RB#0	20.66	21.00
Band2	3MHz	QPSK	18900	8RB#4	20.66	21.00
Band2	3MHz	16QAM	18900	8RB#4	20.66	21.00
Band2	3MHz	QPSK	18900	8RB#7	20.66	21.00
Band2	3MHz	16QAM	18900	8RB#7	20.65	21.00
Band2	3MHz	QPSK	18900	15RB#0	20.65	21.00
Band2	3MHz	16QAM	18900	15RB#0	19.58	20.00
Band2	3MHz	QPSK	19185	1RB#0	22.63	23.00
Band2	3MHz	16QAM	19185	1RB#0	21.49	22.00
Band2	3MHz	QPSK	19185	1RB#8	22.77	23.00
Band2	3MHz	16QAM	19185	1RB#8	21.50	22.00
Band2	3MHz	QPSK	19185	1RB#14	22.78	23.00
Band2	3MHz	16QAM	19185	1RB#14	21.56	22.00
Band2	3MHz	QPSK	19185	8RB#0	21.70	22.00
Band2	3MHz	16QAM	19185	8RB#0	21.69	22.00
Band2	3MHz	QPSK	19185	8RB#4	21.69	22.00
Band2	3MHz	16QAM	19185	8RB#4	21.69	22.00
Band2	3MHz	QPSK	19185	8RB#7	21.69	22.00
Band2	3MHz	16QAM	19185	8RB#7	21.69	22.00
Band2	3MHz	QPSK	19185	15RB#0	21.68	22.00
Band2	3MHz	16QAM	19185	15RB#0	20.90	21.00
Band2	5MHz	QPSK	18625	1RB#0	21.00	22.00
Band2	5MHz	16QAM	18625	1RB#0	19.47	20.00



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Band2	5MHz	QPSK	18625	1RB#12	21.04	22.00
Band2	5MHz	16QAM	18625	1RB#12	19.53	20.00
Band2	5MHz	QPSK	18625	1RB#24	21.13	22.00
Band2	5MHz	16QAM	18625	1RB#24	19.71	20.00
Band2	5MHz	QPSK	18625	12RB#0	20.13	21.00
Band2	5MHz	16QAM	18625	12RB#0	20.13	21.00
Band2	5MHz	QPSK	18625	12RB#6	20.13	21.00
Band2	5MHz	16QAM	18625	12RB#6	20.13	21.00
Band2	5MHz	QPSK	18625	12RB#13	20.24	21.00
Band2	5MHz	16QAM	18625	12RB#13	20.24	21.00
Band2	5MHz	QPSK	18625	25RB#0	20.08	21.00
Band2	5MHz	16QAM	18625	25RB#0	19.33	20.00
Band2	5MHz	QPSK	18900	1RB#0	21.33	22.00
Band2	5MHz	16QAM	18900	1RB#0	20.66	21.00
Band2	5MHz	QPSK	18900	1RB#12	21.46	22.00
Band2	5MHz	16QAM	18900	1RB#12	20.77	21.00
Band2	5MHz	QPSK	18900	1RB#24	21.63	22.00
Band2	5MHz	16QAM	18900	1RB#24	20.94	21.00
Band2	5MHz	QPSK	18900	12RB#0	20.50	21.00
Band2	5MHz	16QAM	18900	12RB#0	20.49	21.00
Band2	5MHz	QPSK	18900	12RB#6	20.49	21.00
Band2	5MHz	16QAM	18900	12RB#6	20.49	21.00
Band2	5MHz	QPSK	18900	12RB#13	20.75	21.00
Band2	5MHz	16QAM	18900	12RB#13	20.76	21.00
Band2	5MHz	QPSK	18900	25RB#0	20.64	21.00
Band2	5MHz	16QAM	18900	25RB#0	19.57	20.00
Band2	5MHz	QPSK	19175	1RB#0	22.38	23.00
Band2	5MHz	16QAM	19175	1RB#0	21.21	22.00
Band2	5MHz	QPSK	19175	1RB#12	22.53	23.00
Band2	5MHz	16QAM	19175	1RB#12	21.33	22.00
Band2	5MHz	QPSK	19175	1RB#24	22.62	23.00
Band2	5MHz	16QAM	19175	1RB#24	21.43	22.00
Band2	5MHz	QPSK	19175	12RB#0	21.64	22.00
Band2	5MHz	16QAM	19175	12RB#0	21.64	22.00
Band2	5MHz	QPSK	19175	12RB#6	21.64	22.00
Band2	5MHz	16QAM	19175	12RB#6	21.64	22.00
Band2	5MHz	QPSK	19175	12RB#13	21.76	22.00
Band2	5MHz	16QAM	19175	12RB#13	21.76	22.00
Band2	5MHz	QPSK	19175	25RB#0	21.60	22.00
Band2	5MHz	16QAM	19175	25RB#0	20.70	21.00



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Band2	10MHz	QPSK	18650	1RB#0	20.88	21.00
Band2	10MHz	16QAM	18650	1RB#0	20.06	21.00
Band2	10MHz	QPSK	18650	1RB#24	21.08	22.00
Band2	10MHz	16QAM	18650	1RB#24	20.25	21.00
Band2	10MHz	QPSK	18650	1RB#49	21.22	22.00
Band2	10MHz	16QAM	18650	1RB#49	20.37	21.00
Band2	10MHz	QPSK	18650	25RB#0	20.11	21.00
Band2	10MHz	16QAM	18650	25RB#0	20.12	21.00
Band2	10MHz	QPSK	18650	25RB#12	20.12	21.00
Band2	10MHz	16QAM	18650	25RB#12	20.19	21.00
Band2	10MHz	QPSK	18650	25RB#25	20.32	21.00
Band2	10MHz	16QAM	18650	25RB#25	20.19	21.00
Band2	10MHz	QPSK	18650	50RB#0	20.25	21.00
Band2	10MHz	16QAM	18650	50RB#0	19.26	20.00
Band2	10MHz	QPSK	18900	1RB#0	21.23	22.00
Band2	10MHz	16QAM	18900	1RB#0	20.24	21.00
Band2	10MHz	QPSK	18900	1RB#24	21.57	22.00
Band2	10MHz	16QAM	18900	1RB#24	20.53	21.00
Band2	10MHz	QPSK	18900	1RB#49	21.89	22.00
Band2	10MHz	16QAM	18900	1RB#49	20.76	21.00
Band2	10MHz	QPSK	18900	25RB#0	20.52	21.00
Band2	10MHz	16QAM	18900	25RB#0	20.51	21.00
Band2	10MHz	QPSK	18900	25RB#12	20.51	21.00
Band2	10MHz	16QAM	18900	25RB#12	20.51	21.00
Band2	10MHz	QPSK	18900	25RB#25	20.80	21.00
Band2	10MHz	16QAM	18900	25RB#25	20.88	21.00
Band2	10MHz	QPSK	18900	50RB#0	20.59	21.00
Band2	10MHz	16QAM	18900	50RB#0	19.74	20.00
Band2	10MHz	QPSK	19150	1RB#0	22.29	23.00
Band2	10MHz	16QAM	19150	1RB#0	21.87	22.00
Band2	10MHz	QPSK	19150	1RB#24	22.46	23.00
Band2	10MHz	16QAM	19150	1RB#24	22.00	23.00
Band2	10MHz	QPSK	19150	1RB#49	22.64	23.00
Band2	10MHz	16QAM	19150	1RB#49	22.24	23.00
Band2	10MHz	QPSK	19150	25RB#0	21.37	22.00
Band2	10MHz	16QAM	19150	25RB#0	21.54	22.00
Band2	10MHz	QPSK	19150	25RB#12	21.54	22.00
Band2	10MHz	16QAM	19150	25RB#12	21.54	22.00
Band2	10MHz	QPSK	19150	25RB#25	21.67	22.00
Band2	10MHz	16QAM	19150	25RB#25	21.65	22.00



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Band2	10MHz	QPSK	19150	50RB#0	21.52	22.00
Band2	10MHz	16QAM	19150	50RB#0	20.76	21.00
Band2	15MHz	QPSK	18675	1RB#0	20.90	21.00
Band2	15MHz	16QAM	18675	1RB#0	20.06	21.00
Band2	15MHz	QPSK	18675	1RB#38	21.16	22.00
Band2	15MHz	16QAM	18675	1RB#38	20.36	21.00
Band2	15MHz	QPSK	18675	1RB#74	21.16	22.00
Band2	15MHz	16QAM	18675	1RB#74	20.38	21.00
Band2	15MHz	QPSK	18675	38RB#0	20.26	21.00
Band2	15MHz	16QAM	18675	38RB#0	20.25	21.00
Band2	15MHz	QPSK	18675	38RB#18	20.25	21.00
Band2	15MHz	16QAM	18675	38RB#18	20.25	21.00
Band2	15MHz	QPSK	18675	38RB#37	20.25	21.00
Band2	15MHz	16QAM	18675	38RB#37	20.25	21.00
Band2	15MHz	QPSK	18675	75RB#0	20.24	21.00
Band2	15MHz	16QAM	18675	75RB#0	19.31	20.00
Band2	15MHz	QPSK	18900	1RB#0	20.78	21.00
Band2	15MHz	16QAM	18900	1RB#0	20.16	21.00
Band2	15MHz	QPSK	18900	1RB#38	21.13	22.00
Band2	15MHz	16QAM	18900	1RB#38	20.46	21.00
Band2	15MHz	QPSK	18900	1RB#74	21.67	22.00
Band2	15MHz	16QAM	18900	1RB#74	20.88	21.00
Band2	15MHz	QPSK	18900	38RB#0	20.54	21.00
Band2	15MHz	16QAM	18900	38RB#0	20.65	21.00
Band2	15MHz	QPSK	18900	38RB#18	20.65	21.00
Band2	15MHz	16QAM	18900	38RB#18	20.64	21.00
Band2	15MHz	QPSK	18900	38RB#37	20.64	21.00
Band2	15MHz	16QAM	18900	38RB#37	20.64	21.00
Band2	15MHz	QPSK	18900	75RB#0	20.64	21.00
Band2	15MHz	16QAM	18900	75RB#0	19.80	20.00
Band2	15MHz	QPSK	19125	1RB#0	22.30	23.00
Band2	15MHz	16QAM	19125	1RB#0	21.87	22.00
Band2	15MHz	QPSK	19125	1RB#38	22.28	23.00
Band2	15MHz	16QAM	19125	1RB#38	21.96	22.00
Band2	15MHz	QPSK	19125	1RB#74	22.66	23.00
Band2	15MHz	16QAM	19125	1RB#74	22.16	23.00
Band2	15MHz	QPSK	19125	38RB#0	21.44	22.00
Band2	15MHz	16QAM	19125	38RB#0	21.44	22.00
Band2	15MHz	QPSK	19125	38RB#18	21.45	22.00
Band2	15MHz	16QAM	19125	38RB#18	21.45	22.00



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Band2	15MHz	QPSK	19125	38RB#37	21.45	22.00
Band2	15MHz	16QAM	19125	38RB#37	21.45	22.00
Band2	15MHz	QPSK	19125	75RB#0	21.45	22.00
Band2	15MHz	16QAM	19125	75RB#0	20.63	21.00
Band2	20MHz	QPSK	18700	1RB#0	21.12	22.00
Band2	20MHz	16QAM	18700	1RB#0	19.91	20.00
Band2	20MHz	QPSK	18700	1RB#49	21.41	22.00
Band2	20MHz	16QAM	18700	1RB#49	20.27	21.00
Band2	20MHz	QPSK	18700	1RB#99	21.40	22.00
Band2	20MHz	16QAM	18700	1RB#99	20.11	21.00
Band2	20MHz	QPSK	18700	50RB#0	20.30	21.00
Band2	20MHz	16QAM	18700	50RB#0	20.29	21.00
Band2	20MHz	QPSK	18700	50RB#25	20.29	21.00
Band2	20MHz	16QAM	18700	50RB#25	20.18	21.00
Band2	20MHz	QPSK	18700	50RB#50	20.32	21.00
Band2	20MHz	16QAM	18700	50RB#50	20.23	21.00
Band2	20MHz	QPSK	18700	100RB#0	20.25	21.00
Band2	20MHz	16QAM	18700	100RB#0	19.36	20.00
Band2	20MHz	QPSK	18900	1RB#0	21.31	22.00
Band2	20MHz	16QAM	18900	1RB#0	20.79	21.00
Band2	20MHz	QPSK	18900	1RB#49	21.62	22.00
Band2	20MHz	16QAM	18900	1RB#49	21.14	22.00
Band2	20MHz	QPSK	18900	1RB#99	22.28	23.00
Band2	20MHz	16QAM	18900	1RB#99	21.73	22.00
Band2	20MHz	QPSK	18900	50RB#0	20.45	21.00
Band2	20MHz	16QAM	18900	50RB#0	20.46	21.00
Band2	20MHz	QPSK	18900	50RB#25	20.48	21.00
Band2	20MHz	16QAM	18900	50RB#25	20.39	21.00
Band2	20MHz	QPSK	18900	50RB#50	20.99	21.00
Band2	20MHz	16QAM	18900	50RB#50	21.00	22.00
Band2	20MHz	QPSK	18900	100RB#0	20.62	21.00
Band2	20MHz	16QAM	18900	100RB#0	19.81	20.00
Band2	20MHz	QPSK	19100	1RB#0	22.18	23.00
Band2	20MHz	16QAM	19100	1RB#0	21.14	22.00
Band2	20MHz	QPSK	19100	1RB#49	22.29	23.00
Band2	20MHz	16QAM	19100	1RB#49	21.24	22.00
Band2	20MHz	QPSK	19100	1RB#99	22.59	23.00
Band2	20MHz	16QAM	19100	1RB#99	21.62	22.00
Band2	20MHz	QPSK	19100	50RB#0	21.46	22.00
Band2	20MHz	16QAM	19100	50RB#0	21.45	22.00



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Band2	20MHz	QPSK	19100	50RB#25	21.46	22.00
Band2	20MHz	16QAM	19100	50RB#25	21.45	22.00
Band2	20MHz	QPSK	19100	50RB#50	21.51	22.00
Band2	20MHz	16QAM	19100	50RB#50	21.51	22.00
Band2	20MHz	QPSK	19100	100RB#0	21.46	22.00
Band2	20MHz	16QAM	19100	100RB#0	20.52	21.00

1.1.7. Conducted Power Measurement Results(LTE Band 4)

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Tune up(dBm)
Band4	1.4MHz	QPSK	19957	1RB#0	21.67	22.00
Band4	1.4MHz	16QAM	19957	1RB#0	21.46	22.00
Band4	1.4MHz	QPSK	19957	1RB#2	21.75	22.00
Band4	1.4MHz	16QAM	19957	1RB#2	21.48	22.00
Band4	1.4MHz	QPSK	19957	1RB#5	21.84	22.00
Band4	1.4MHz	16QAM	19957	1RB#5	21.48	22.00
Band4	1.4MHz	QPSK	19957	3RB#0	21.74	22.00
Band4	1.4MHz	16QAM	19957	3RB#0	21.82	22.00
Band4	1.4MHz	QPSK	19957	3RB#1	21.84	22.00
Band4	1.4MHz	16QAM	19957	3RB#1	21.82	22.00
Band4	1.4MHz	QPSK	19957	3RB#3	21.88	22.00
Band4	1.4MHz	16QAM	19957	3RB#3	21.89	22.00
Band4	1.4MHz	QPSK	19957	6RB#0	21.07	22.00
Band4	1.4MHz	16QAM	19957	6RB#0	20.10	21.00
Band4	1.4MHz	QPSK	20175	1RB#0	21.02	22.00
Band4	1.4MHz	16QAM	20175	1RB#0	20.53	21.00
Band4	1.4MHz	QPSK	20175	1RB#2	21.08	22.00
Band4	1.4MHz	16QAM	20175	1RB#2	20.51	21.00
Band4	1.4MHz	QPSK	20175	1RB#5	21.02	22.00
Band4	1.4MHz	16QAM	20175	1RB#5	20.52	21.00
Band4	1.4MHz	QPSK	20175	3RB#0	21.09	22.00
Band4	1.4MHz	16QAM	20175	3RB#0	21.07	22.00
Band4	1.4MHz	QPSK	20175	3RB#1	21.06	22.00
Band4	1.4MHz	16QAM	20175	3RB#1	21.16	22.00
Band4	1.4MHz	QPSK	20175	3RB#3	21.17	22.00
Band4	1.4MHz	16QAM	20175	3RB#3	21.09	22.00
Band4	1.4MHz	QPSK	20175	6RB#0	20.24	21.00
Band4	1.4MHz	16QAM	20175	6RB#0	19.53	20.00
Band4	1.4MHz	QPSK	20393	1RB#0	23.26	24.00
Band4	1.4MHz	16QAM	20393	1RB#0	21.94	22.00



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Band4	1.4MHz	QPSK	20393	1RB#2	23.21	24.00
Band4	1.4MHz	16QAM	20393	1RB#2	21.96	22.00
Band4	1.4MHz	QPSK	20393	1RB#5	23.23	24.00
Band4	1.4MHz	16QAM	20393	1RB#5	21.93	22.00
Band4	1.4MHz	QPSK	20393	3RB#0	23.15	24.00
Band4	1.4MHz	16QAM	20393	3RB#0	23.15	24.00
Band4	1.4MHz	QPSK	20393	3RB#1	23.15	24.00
Band4	1.4MHz	16QAM	20393	3RB#1	23.15	24.00
Band4	1.4MHz	QPSK	20393	3RB#3	23.14	24.00
Band4	1.4MHz	16QAM	20393	3RB#3	23.13	24.00
Band4	1.4MHz	QPSK	20393	6RB#0	22.24	23.00
Band4	1.4MHz	16QAM	20393	6RB#0	21.52	22.00
Band4	3MHz	QPSK	19965	1RB#0	24.03	25.00
Band4	3MHz	16QAM	19965	1RB#0	23.16	24.00
Band4	3MHz	QPSK	19965	1RB#8	24.08	25.00
Band4	3MHz	16QAM	19965	1RB#8	23.32	24.00
Band4	3MHz	QPSK	19965	1RB#14	24.12	25.00
Band4	3MHz	16QAM	19965	1RB#14	23.28	24.00
Band4	3MHz	QPSK	19965	8RB#0	23.27	24.00
Band4	3MHz	16QAM	19965	8RB#0	23.26	24.00
Band4	3MHz	QPSK	19965	8RB#4	23.25	24.00
Band4	3MHz	16QAM	19965	8RB#4	23.34	24.00
Band4	3MHz	QPSK	19965	8RB#7	23.33	24.00
Band4	3MHz	16QAM	19965	8RB#7	23.32	24.00
Band4	3MHz	QPSK	19965	15RB#0	23.32	24.00
Band4	3MHz	16QAM	19965	15RB#0	22.53	23.00
Band4	3MHz	QPSK	20175	1RB#0	22.99	23.00
Band4	3MHz	16QAM	20175	1RB#0	21.53	22.00
Band4	3MHz	QPSK	20175	1RB#8	22.96	23.00
Band4	3MHz	16QAM	20175	1RB#8	21.56	22.00
Band4	3MHz	QPSK	20175	1RB#14	23.01	24.00
Band4	3MHz	16QAM	20175	1RB#14	22.11	23.00
Band4	3MHz	QPSK	20175	8RB#0	22.15	23.00
Band4	3MHz	16QAM	20175	8RB#0	22.21	23.00
Band4	3MHz	QPSK	20175	8RB#4	22.20	23.00
Band4	3MHz	16QAM	20175	8RB#4	22.20	23.00
Band4	3MHz	QPSK	20175	8RB#7	22.19	23.00
Band4	3MHz	16QAM	20175	8RB#7	22.18	23.00
Band4	3MHz	QPSK	20175	15RB#0	22.18	23.00
Band4	3MHz	16QAM	20175	15RB#0	21.30	22.00



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Band4	3MHz	QPSK	20385	1RB#0	24.10	25.00
Band4	3MHz	16QAM	20385	1RB#0	23.34	24.00
Band4	3MHz	QPSK	20385	1RB#8	24.03	25.00
Band4	3MHz	16QAM	20385	1RB#8	23.33	24.00
Band4	3MHz	QPSK	20385	1RB#14	24.06	25.00
Band4	3MHz	16QAM	20385	1RB#14	23.33	24.00
Band4	3MHz	QPSK	20385	8RB#0	23.23	24.00
Band4	3MHz	16QAM	20385	8RB#0	23.24	24.00
Band4	3MHz	QPSK	20385	8RB#4	23.24	24.00
Band4	3MHz	16QAM	20385	8RB#4	23.24	24.00
Band4	3MHz	QPSK	20385	8RB#7	23.25	24.00
Band4	3MHz	16QAM	20385	8RB#7	23.25	24.00
Band4	3MHz	QPSK	20385	15RB#0	23.25	24.00
Band4	3MHz	16QAM	20385	15RB#0	22.36	23.00
Band4	5MHz	QPSK	19975	1RB#0	24.11	25.00
Band4	5MHz	16QAM	19975	1RB#0	22.79	23.00
Band4	5MHz	QPSK	19975	1RB#12	24.18	25.00
Band4	5MHz	16QAM	19975	1RB#12	22.86	23.00
Band4	5MHz	QPSK	19975	1RB#24	24.22	25.00
Band4	5MHz	16QAM	19975	1RB#24	22.87	23.00
Band4	5MHz	QPSK	19975	12RB#0	23.40	24.00
Band4	5MHz	16QAM	19975	12RB#0	23.43	24.00
Band4	5MHz	QPSK	19975	12RB#6	23.43	24.00
Band4	5MHz	16QAM	19975	12RB#6	23.42	24.00
Band4	5MHz	QPSK	19975	12RB#13	23.43	24.00
Band4	5MHz	16QAM	19975	12RB#13	23.43	24.00
Band4	5MHz	QPSK	19975	25RB#0	23.33	24.00
Band4	5MHz	16QAM	19975	25RB#0	22.63	23.00
Band4	5MHz	QPSK	20175	1RB#0	22.92	23.00
Band4	5MHz	16QAM	20175	1RB#0	22.42	23.00
Band4	5MHz	QPSK	20175	1RB#12	22.92	23.00
Band4	5MHz	16QAM	20175	1RB#12	22.41	23.00
Band4	5MHz	QPSK	20175	1RB#24	22.95	23.00
Band4	5MHz	16QAM	20175	1RB#24	22.47	23.00
Band4	5MHz	QPSK	20175	12RB#0	22.16	23.00
Band4	5MHz	16QAM	20175	12RB#0	22.15	23.00
Band4	5MHz	QPSK	20175	12RB#6	22.15	23.00
Band4	5MHz	16QAM	20175	12RB#6	22.14	23.00
Band4	5MHz	QPSK	20175	12RB#13	22.23	23.00
Band4	5MHz	16QAM	20175	12RB#13	22.23	23.00



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Band4	5MHz	QPSK	20175	25RB#0	22.14	23.00
Band4	5MHz	16QAM	20175	25RB#0	21.29	22.00
Band4	5MHz	QPSK	20375	1RB#0	24.16	25.00
Band4	5MHz	16QAM	20375	1RB#0	22.94	23.00
Band4	5MHz	QPSK	20375	1RB#12	24.15	25.00
Band4	5MHz	16QAM	20375	1RB#12	22.89	23.00
Band4	5MHz	QPSK	20375	1RB#24	24.10	25.00
Band4	5MHz	16QAM	20375	1RB#24	22.80	23.00
Band4	5MHz	QPSK	20375	12RB#0	23.31	24.00
Band4	5MHz	16QAM	20375	12RB#0	23.31	24.00
Band4	5MHz	QPSK	20375	12RB#6	23.31	24.00
Band4	5MHz	16QAM	20375	12RB#6	23.31	24.00
Band4	5MHz	QPSK	20375	12RB#13	23.29	24.00
Band4	5MHz	16QAM	20375	12RB#13	23.30	24.00
Band4	5MHz	QPSK	20375	25RB#0	23.33	24.00
Band4	5MHz	16QAM	20375	25RB#0	22.48	23.00
Band4	10MHz	QPSK	20000	1RB#0	24.06	25.00
Band4	10MHz	16QAM	20000	1RB#0	23.33	24.00
Band4	10MHz	QPSK	20000	1RB#24	24.15	25.00
Band4	10MHz	16QAM	20000	1RB#24	23.40	24.00
Band4	10MHz	QPSK	20000	1RB#49	23.88	24.00
Band4	10MHz	16QAM	20000	1RB#49	23.09	24.00
Band4	10MHz	QPSK	20000	25RB#0	23.32	24.00
Band4	10MHz	16QAM	20000	25RB#0	23.31	24.00
Band4	10MHz	QPSK	20000	25RB#12	23.31	24.00
Band4	10MHz	16QAM	20000	25RB#12	23.31	24.00
Band4	10MHz	QPSK	20000	25RB#25	23.30	24.00
Band4	10MHz	16QAM	20000	25RB#25	23.30	24.00
Band4	10MHz	QPSK	20000	50RB#0	23.22	24.00
Band4	10MHz	16QAM	20000	50RB#0	22.49	23.00
Band4	10MHz	QPSK	20175	1RB#0	23.16	24.00
Band4	10MHz	16QAM	20175	1RB#0	22.24	23.00
Band4	10MHz	QPSK	20175	1RB#24	23.02	24.00
Band4	10MHz	16QAM	20175	1RB#24	22.11	23.00
Band4	10MHz	QPSK	20175	1RB#49	23.22	24.00
Band4	10MHz	16QAM	20175	1RB#49	22.30	23.00
Band4	10MHz	QPSK	20175	25RB#0	22.23	23.00
Band4	10MHz	16QAM	20175	25RB#0	22.21	23.00
Band4	10MHz	QPSK	20175	25RB#12	22.20	23.00
Band4	10MHz	16QAM	20175	25RB#12	22.20	23.00



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Band4	10MHz	QPSK	20175	25RB#25	22.26	23.00
Band4	10MHz	16QAM	20175	25RB#25	22.27	23.00
Band4	10MHz	QPSK	20175	50RB#0	22.21	23.00
Band4	10MHz	16QAM	20175	50RB#0	21.41	22.00
Band4	10MHz	QPSK	20350	1RB#0	23.77	24.00
Band4	10MHz	16QAM	20350	1RB#0	23.63	24.00
Band4	10MHz	QPSK	20350	1RB#24	23.98	24.00
Band4	10MHz	16QAM	20350	1RB#24	23.81	24.00
Band4	10MHz	QPSK	20350	1RB#49	23.94	24.00
Band4	10MHz	16QAM	20350	1RB#49	23.74	24.00
Band4	10MHz	QPSK	20350	25RB#0	23.27	24.00
Band4	10MHz	16QAM	20350	25RB#0	23.28	24.00
Band4	10MHz	QPSK	20350	25RB#12	23.28	24.00
Band4	10MHz	16QAM	20350	25RB#12	23.29	24.00
Band4	10MHz	QPSK	20350	25RB#25	23.28	24.00
Band4	10MHz	16QAM	20350	25RB#25	23.20	24.00
Band4	10MHz	QPSK	20350	50RB#0	23.24	24.00
Band4	10MHz	16QAM	20350	50RB#0	22.53	23.00
Band4	15MHz	QPSK	20025	1RB#0	24.07	25.00
Band4	15MHz	16QAM	20025	1RB#0	23.32	24.00
Band4	15MHz	QPSK	20025	1RB#38	23.98	24.00
Band4	15MHz	16QAM	20025	1RB#38	23.24	24.00
Band4	15MHz	QPSK	20025	1RB#74	23.31	24.00
Band4	15MHz	16QAM	20025	1RB#74	22.61	23.00
Band4	15MHz	QPSK	20025	38RB#0	23.19	24.00
Band4	15MHz	16QAM	20025	38RB#0	23.19	24.00
Band4	15MHz	QPSK	20025	38RB#18	23.19	24.00
Band4	15MHz	16QAM	20025	38RB#18	23.18	24.00
Band4	15MHz	QPSK	20025	38RB#37	23.18	24.00
Band4	15MHz	16QAM	20025	38RB#37	23.17	24.00
Band4	15MHz	QPSK	20025	75RB#0	23.11	24.00
Band4	15MHz	16QAM	20025	75RB#0	22.33	23.00
Band4	15MHz	QPSK	20175	1RB#0	22.84	23.00
Band4	15MHz	16QAM	20175	1RB#0	22.39	23.00
Band4	15MHz	QPSK	20175	1RB#38	22.52	23.00
Band4	15MHz	16QAM	20175	1RB#38	22.04	23.00
Band4	15MHz	QPSK	20175	1RB#74	22.93	23.00
Band4	15MHz	16QAM	20175	1RB#74	22.43	23.00
Band4	15MHz	QPSK	20175	38RB#0	22.29	23.00
Band4	15MHz	16QAM	20175	38RB#0	22.38	23.00



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Band4	15MHz	QPSK	20175	38RB#18	22.27	23.00
Band4	15MHz	16QAM	20175	38RB#18	22.26	23.00
Band4	15MHz	QPSK	20175	38RB#37	22.27	23.00
Band4	15MHz	16QAM	20175	38RB#37	22.27	23.00
Band4	15MHz	QPSK	20175	75RB#0	22.26	23.00
Band4	15MHz	16QAM	20175	75RB#0	21.55	22.00
Band4	15MHz	QPSK	20325	1RB#0	23.31	24.00
Band4	15MHz	16QAM	20325	1RB#0	22.99	23.00
Band4	15MHz	QPSK	20325	1RB#38	23.91	24.00
Band4	15MHz	16QAM	20325	1RB#38	23.50	24.00
Band4	15MHz	QPSK	20325	1RB#74	24.03	25.00
Band4	15MHz	16QAM	20325	1RB#74	23.34	24.00
Band4	15MHz	QPSK	20325	38RB#0	23.12	24.00
Band4	15MHz	16QAM	20325	38RB#0	23.12	24.00
Band4	15MHz	QPSK	20325	38RB#18	23.12	24.00
Band4	15MHz	16QAM	20325	38RB#18	23.12	24.00
Band4	15MHz	QPSK	20325	38RB#37	23.12	24.00
Band4	15MHz	16QAM	20325	38RB#37	23.12	24.00
Band4	15MHz	QPSK	20325	75RB#0	23.12	24.00
Band4	15MHz	16QAM	20325	75RB#0	22.37	23.00
Band4	20MHz	QPSK	20050	1RB#0	24.07	25.00
Band4	20MHz	16QAM	20050	1RB#0	23.14	24.00
Band4	20MHz	QPSK	20050	1RB#49	23.77	24.00
Band4	20MHz	16QAM	20050	1RB#49	22.80	23.00
Band4	20MHz	QPSK	20050	1RB#99	22.90	23.00
Band4	20MHz	16QAM	20050	1RB#99	21.99	22.00
Band4	20MHz	QPSK	20050	50RB#0	23.30	24.00
Band4	20MHz	16QAM	20050	50RB#0	23.31	24.00
Band4	20MHz	QPSK	20050	50RB#25	23.31	24.00
Band4	20MHz	16QAM	20050	50RB#25	23.20	24.00
Band4	20MHz	QPSK	20050	50RB#50	22.64	23.00
Band4	20MHz	16QAM	20050	50RB#50	22.52	23.00
Band4	20MHz	QPSK	20050	100RB#0	22.85	23.00
Band4	20MHz	16QAM	20050	100RB#0	22.15	23.00
Band4	20MHz	QPSK	20175	1RB#0	23.45	24.00
Band4	20MHz	16QAM	20175	1RB#0	23.22	24.00
Band4	20MHz	QPSK	20175	1RB#49	22.98	23.00
Band4	20MHz	16QAM	20175	1RB#49	22.79	23.00
Band4	20MHz	QPSK	20175	1RB#99	23.55	24.00
Band4	20MHz	16QAM	20175	1RB#99	23.27	24.00



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Band4	20MHz	QPSK	20175	50RB#0	22.32	23.00
Band4	20MHz	16QAM	20175	50RB#0	22.36	23.00
Band4	20MHz	QPSK	20175	50RB#25	22.36	23.00
Band4	20MHz	16QAM	20175	50RB#25	22.35	23.00
Band4	20MHz	QPSK	20175	50RB#50	22.46	23.00
Band4	20MHz	16QAM	20175	50RB#50	22.48	23.00
Band4	20MHz	QPSK	20175	100RB#0	22.45	23.00
Band4	20MHz	16QAM	20175	100RB#0	21.62	22.00
Band4	20MHz	QPSK	20300	1RB#0	23.13	24.00
Band4	20MHz	16QAM	20300	1RB#0	21.87	22.00
Band4	20MHz	QPSK	20300	1RB#49	23.94	24.00
Band4	20MHz	16QAM	20300	1RB#49	22.68	23.00
Band4	20MHz	QPSK	20300	1RB#99	24.14	25.00
Band4	20MHz	16QAM	20300	1RB#99	22.83	23.00
Band4	20MHz	QPSK	20300	50RB#0	22.78	23.00
Band4	20MHz	16QAM	20300	50RB#0	22.77	23.00
Band4	20MHz	QPSK	20300	50RB#25	22.76	23.00
Band4	20MHz	16QAM	20300	50RB#25	22.76	23.00
Band4	20MHz	QPSK	20300	50RB#50	23.24	24.00
Band4	20MHz	16QAM	20300	50RB#50	23.30	24.00
Band4	20MHz	QPSK	20300	100RB#0	22.97	23.00
Band4	20MHz	16QAM	20300	100RB#0	22.21	23.00

1.1.8. Conducted Power Measurement Results(LTE Band 5)

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Tune up(dBm)
Band5	1.4MHz	QPSK	20407	1RB#0	24.64	25.00
Band5	1.4MHz	16QAM	20407	1RB#0	25.00	26.00
Band5	1.4MHz	QPSK	20407	1RB#2	24.62	25.00
Band5	1.4MHz	16QAM	20407	1RB#2	25.09	26.00
Band5	1.4MHz	QPSK	20407	1RB#5	24.80	25.00
Band5	1.4MHz	16QAM	20407	1RB#5	24.61	25.00
Band5	1.4MHz	QPSK	20407	3RB#0	24.81	25.00
Band5	1.4MHz	16QAM	20407	3RB#0	24.64	25.00
Band5	1.4MHz	QPSK	20407	3RB#1	24.64	25.00
Band5	1.4MHz	16QAM	20407	3RB#1	24.62	25.00
Band5	1.4MHz	QPSK	20407	3RB#3	24.78	25.00
Band5	1.4MHz	16QAM	20407	3RB#3	24.94	25.00
Band5	1.4MHz	QPSK	20407	6RB#0	23.98	24.00
Band5	1.4MHz	16QAM	20407	6RB#0	23.54	24.00



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Band5	1.4MHz	QPSK	20525	1RB#0	24.08	25.00
Band5	1.4MHz	16QAM	20525	1RB#0	24.19	25.00
Band5	1.4MHz	QPSK	20525	1RB#2	24.17	25.00
Band5	1.4MHz	16QAM	20525	1RB#2	24.15	25.00
Band5	1.4MHz	QPSK	20525	1RB#5	24.11	25.00
Band5	1.4MHz	16QAM	20525	1RB#5	24.10	25.00
Band5	1.4MHz	QPSK	20525	3RB#0	24.32	25.00
Band5	1.4MHz	16QAM	20525	3RB#0	24.29	25.00
Band5	1.4MHz	QPSK	20525	3RB#1	24.31	25.00
Band5	1.4MHz	16QAM	20525	3RB#1	24.33	25.00
Band5	1.4MHz	QPSK	20525	3RB#3	24.31	25.00
Band5	1.4MHz	16QAM	20525	3RB#3	24.30	25.00
Band5	1.4MHz	QPSK	20525	6RB#0	23.52	24.00
Band5	1.4MHz	16QAM	20525	6RB#0	23.26	24.00
Band5	1.4MHz	QPSK	20643	1RB#0	23.61	24.00
Band5	1.4MHz	16QAM	20643	1RB#0	23.38	24.00
Band5	1.4MHz	QPSK	20643	1RB#2	23.34	24.00
Band5	1.4MHz	16QAM	20643	1RB#2	23.12	24.00
Band5	1.4MHz	QPSK	20643	1RB#5	23.08	24.00
Band5	1.4MHz	16QAM	20643	1RB#5	22.82	23.00
Band5	1.4MHz	QPSK	20643	3RB#0	23.71	24.00
Band5	1.4MHz	16QAM	20643	3RB#0	23.71	24.00
Band5	1.4MHz	QPSK	20643	3RB#1	23.72	24.00
Band5	1.4MHz	16QAM	20643	3RB#1	23.70	24.00
Band5	1.4MHz	QPSK	20643	3RB#3	23.47	24.00
Band5	1.4MHz	16QAM	20643	3RB#3	23.30	24.00
Band5	1.4MHz	QPSK	20643	6RB#0	22.97	23.00
Band5	1.4MHz	16QAM	20643	6RB#0	22.44	23.00
Band5	3MHz	QPSK	20415	1RB#0	24.65	25.00
Band5	3MHz	16QAM	20415	1RB#0	23.98	24.00
Band5	3MHz	QPSK	20415	1RB#8	24.51	25.00
Band5	3MHz	16QAM	20415	1RB#8	23.90	24.00
Band5	3MHz	QPSK	20415	1RB#14	24.53	25.00
Band5	3MHz	16QAM	20415	1RB#14	23.95	24.00
Band5	3MHz	QPSK	20415	8RB#0	23.54	24.00
Band5	3MHz	16QAM	20415	8RB#0	23.65	24.00
Band5	3MHz	QPSK	20415	8RB#4	23.54	24.00
Band5	3MHz	16QAM	20415	8RB#4	23.71	24.00
Band5	3MHz	QPSK	20415	8RB#7	23.70	24.00
Band5	3MHz	16QAM	20415	8RB#7	23.70	24.00



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Band5	3MHz	QPSK	20415	15RB#0	23.70	24.00
Band5	3MHz	16QAM	20415	15RB#0	23.04	24.00
Band5	3MHz	QPSK	20525	1RB#0	24.30	25.00
Band5	3MHz	16QAM	20525	1RB#0	22.93	23.00
Band5	3MHz	QPSK	20525	1RB#8	24.10	25.00
Band5	3MHz	16QAM	20525	1RB#8	22.88	23.00
Band5	3MHz	QPSK	20525	1RB#14	24.03	25.00
Band5	3MHz	16QAM	20525	1RB#14	23.77	24.00
Band5	3MHz	QPSK	20525	8RB#0	23.20	24.00
Band5	3MHz	16QAM	20525	8RB#0	23.20	24.00
Band5	3MHz	QPSK	20525	8RB#4	23.21	24.00
Band5	3MHz	16QAM	20525	8RB#4	23.21	24.00
Band5	3MHz	QPSK	20525	8RB#7	23.20	24.00
Band5	3MHz	16QAM	20525	8RB#7	23.21	24.00
Band5	3MHz	QPSK	20525	15RB#0	23.21	24.00
Band5	3MHz	16QAM	20525	15RB#0	22.56	23.00
Band5	3MHz	QPSK	20635	1RB#0	23.54	24.00
Band5	3MHz	16QAM	20635	1RB#0	23.81	24.00
Band5	3MHz	QPSK	20635	1RB#8	23.51	24.00
Band5	3MHz	16QAM	20635	1RB#8	23.65	24.00
Band5	3MHz	QPSK	20635	1RB#14	22.83	23.00
Band5	3MHz	16QAM	20635	1RB#14	22.65	23.00
Band5	3MHz	QPSK	20635	8RB#0	22.83	23.00
Band5	3MHz	16QAM	20635	8RB#0	22.84	23.00
Band5	3MHz	QPSK	20635	8RB#4	22.84	23.00
Band5	3MHz	16QAM	20635	8RB#4	22.84	23.00
Band5	3MHz	QPSK	20635	8RB#7	22.83	23.00
Band5	3MHz	16QAM	20635	8RB#7	22.76	23.00
Band5	3MHz	QPSK	20635	15RB#0	22.81	23.00
Band5	3MHz	16QAM	20635	15RB#0	22.22	23.00
Band5	5MHz	QPSK	20425	1RB#0	24.57	25.00
Band5	5MHz	16QAM	20425	1RB#0	23.34	24.00
Band5	5MHz	QPSK	20425	1RB#12	24.57	25.00
Band5	5MHz	16QAM	20425	1RB#12	23.32	24.00
Band5	5MHz	QPSK	20425	1RB#24	24.49	25.00
Band5	5MHz	16QAM	20425	1RB#24	23.26	24.00
Band5	5MHz	QPSK	20425	12RB#0	23.61	24.00
Band5	5MHz	16QAM	20425	12RB#0	23.58	24.00
Band5	5MHz	QPSK	20425	12RB#6	23.58	24.00
Band5	5MHz	16QAM	20425	12RB#6	23.67	24.00



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Band5	5MHz	QPSK	20425	12RB#13	23.56	24.00
Band5	5MHz	16QAM	20425	12RB#13	23.56	24.00
Band5	5MHz	QPSK	20425	25RB#0	23.51	24.00
Band5	5MHz	16QAM	20425	25RB#0	23.17	24.00
Band5	5MHz	QPSK	20525	1RB#0	24.09	25.00
Band5	5MHz	16QAM	20525	1RB#0	24.10	25.00
Band5	5MHz	QPSK	20525	1RB#12	23.86	24.00
Band5	5MHz	16QAM	20525	1RB#12	24.03	25.00
Band5	5MHz	QPSK	20525	1RB#24	23.88	24.00
Band5	5MHz	16QAM	20525	1RB#24	23.85	24.00
Band5	5MHz	QPSK	20525	12RB#0	23.25	24.00
Band5	5MHz	16QAM	20525	12RB#0	23.28	24.00
Band5	5MHz	QPSK	20525	12RB#6	23.19	24.00
Band5	5MHz	16QAM	20525	12RB#6	23.23	24.00
Band5	5MHz	QPSK	20525	12RB#13	23.14	24.00
Band5	5MHz	16QAM	20525	12RB#13	23.11	24.00
Band5	5MHz	QPSK	20525	25RB#0	23.26	24.00
Band5	5MHz	16QAM	20525	25RB#0	22.65	23.00
Band5	5MHz	QPSK	20625	1RB#0	23.59	24.00
Band5	5MHz	16QAM	20625	1RB#0	22.84	23.00
Band5	5MHz	QPSK	20625	1RB#12	23.54	24.00
Band5	5MHz	16QAM	20625	1RB#12	22.99	23.00
Band5	5MHz	QPSK	20625	1RB#24	23.23	24.00
Band5	5MHz	16QAM	20625	1RB#24	22.69	23.00
Band5	5MHz	QPSK	20625	12RB#0	22.82	23.00
Band5	5MHz	16QAM	20625	12RB#0	22.84	23.00
Band5	5MHz	QPSK	20625	12RB#6	22.83	23.00
Band5	5MHz	16QAM	20625	12RB#6	22.84	23.00
Band5	5MHz	QPSK	20625	12RB#13	22.79	23.00
Band5	5MHz	16QAM	20625	12RB#13	22.85	23.00
Band5	5MHz	QPSK	20625	25RB#0	22.88	23.00
Band5	5MHz	16QAM	20625	25RB#0	22.33	23.00
Band5	10MHz	QPSK	20450	1RB#0	24.58	25.00
Band5	10MHz	16QAM	20450	1RB#0	24.02	25.00
Band5	10MHz	QPSK	20450	1RB#24	24.42	25.00
Band5	10MHz	16QAM	20450	1RB#24	23.93	24.00
Band5	10MHz	QPSK	20450	1RB#49	24.15	25.00
Band5	10MHz	16QAM	20450	1RB#49	23.68	24.00
Band5	10MHz	QPSK	20450	25RB#0	23.60	24.00
Band5	10MHz	16QAM	20450	25RB#0	23.79	24.00



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Band5	10MHz	QPSK	20450	25RB#12	23.66	24.00
Band5	10MHz	16QAM	20450	25RB#12	23.59	24.00
Band5	10MHz	QPSK	20450	25RB#25	23.35	24.00
Band5	10MHz	16QAM	20450	25RB#25	23.31	24.00
Band5	10MHz	QPSK	20450	50RB#0	23.49	24.00
Band5	10MHz	16QAM	20450	50RB#0	23.08	24.00
Band5	10MHz	QPSK	20525	1RB#0	24.30	25.00
Band5	10MHz	16QAM	20525	1RB#0	23.83	24.00
Band5	10MHz	QPSK	20525	1RB#24	24.15	25.00
Band5	10MHz	16QAM	20525	1RB#24	23.73	24.00
Band5	10MHz	QPSK	20525	1RB#49	24.04	25.00
Band5	10MHz	16QAM	20525	1RB#49	23.56	24.00
Band5	10MHz	QPSK	20525	25RB#0	23.28	24.00
Band5	10MHz	16QAM	20525	25RB#0	23.28	24.00
Band5	10MHz	QPSK	20525	25RB#12	23.28	24.00
Band5	10MHz	16QAM	20525	25RB#12	23.28	24.00
Band5	10MHz	QPSK	20525	25RB#25	23.22	24.00
Band5	10MHz	16QAM	20525	25RB#25	23.17	24.00
Band5	10MHz	QPSK	20525	50RB#0	23.22	24.00
Band5	10MHz	16QAM	20525	50RB#0	22.70	23.00
Band5	10MHz	QPSK	20600	1RB#0	23.48	24.00
Band5	10MHz	16QAM	20600	1RB#0	23.59	24.00
Band5	10MHz	QPSK	20600	1RB#24	23.51	24.00
Band5	10MHz	16QAM	20600	1RB#24	23.57	24.00
Band5	10MHz	QPSK	20600	1RB#49	23.41	24.00
Band5	10MHz	16QAM	20600	1RB#49	23.28	24.00
Band5	10MHz	QPSK	20600	25RB#0	22.70	23.00
Band5	10MHz	16QAM	20600	25RB#0	22.58	23.00
Band5	10MHz	QPSK	20600	25RB#12	22.66	23.00
Band5	10MHz	16QAM	20600	25RB#12	22.54	23.00
Band5	10MHz	QPSK	20600	25RB#25	22.81	23.00
Band5	10MHz	16QAM	20600	25RB#25	22.78	23.00
Band5	10MHz	QPSK	20600	50RB#0	22.74	23.00
Band5	10MHz	16QAM	20600	50RB#0	22.30	23.00

1.1.9. Conducted Power Measurement Results(LTE Band 7)

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Tune up(dBm)
Band7	5MHz	QPSK	20775	1RB#0	21.77	22.00
Band7	5MHz	16QAM	20775	1RB#0	20.83	21.00



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Band7	5MHz	QPSK	20775	1RB#12	22.01	23.00
Band7	5MHz	16QAM	20775	1RB#12	20.86	21.00
Band7	5MHz	QPSK	20775	1RB#24	21.65	22.00
Band7	5MHz	16QAM	20775	1RB#24	20.75	21.00
Band7	5MHz	QPSK	20775	12RB#0	21.01	22.00
Band7	5MHz	16QAM	20775	12RB#0	20.99	21.00
Band7	5MHz	QPSK	20775	12RB#6	21.08	22.00
Band7	5MHz	16QAM	20775	12RB#6	21.07	22.00
Band7	5MHz	QPSK	20775	12RB#13	21.06	22.00
Band7	5MHz	16QAM	20775	12RB#13	21.05	22.00
Band7	5MHz	QPSK	20775	25RB#0	21.05	22.00
Band7	5MHz	16QAM	20775	25RB#0	20.15	21.00
Band7	5MHz	QPSK	21100	1RB#0	22.55	23.00
Band7	5MHz	16QAM	21100	1RB#0	21.27	22.00
Band7	5MHz	QPSK	21100	1RB#12	22.45	23.00
Band7	5MHz	16QAM	21100	1RB#12	21.18	22.00
Band7	5MHz	QPSK	21100	1RB#24	22.43	23.00
Band7	5MHz	16QAM	21100	1RB#24	21.05	22.00
Band7	5MHz	QPSK	21100	12RB#0	21.59	22.00
Band7	5MHz	16QAM	21100	12RB#0	21.58	22.00
Band7	5MHz	QPSK	21100	12RB#6	21.61	22.00
Band7	5MHz	16QAM	21100	12RB#6	21.67	22.00
Band7	5MHz	QPSK	21100	12RB#13	21.68	22.00
Band7	5MHz	16QAM	21100	12RB#13	21.54	22.00
Band7	5MHz	QPSK	21100	25RB#0	21.70	22.00
Band7	5MHz	16QAM	21100	25RB#0	20.88	21.00
Band7	5MHz	QPSK	21425	1RB#0	21.41	22.00
Band7	5MHz	16QAM	21425	1RB#0	21.36	22.00
Band7	5MHz	QPSK	21425	1RB#12	21.94	22.00
Band7	5MHz	16QAM	21425	1RB#12	21.38	22.00
Band7	5MHz	QPSK	21425	1RB#24	22.00	23.00
Band7	5MHz	16QAM	21425	1RB#24	21.44	22.00
Band7	5MHz	QPSK	21425	12RB#0	21.16	22.00
Band7	5MHz	16QAM	21425	12RB#0	21.23	22.00
Band7	5MHz	QPSK	21425	12RB#6	21.23	22.00
Band7	5MHz	16QAM	21425	12RB#6	21.21	22.00
Band7	5MHz	QPSK	21425	12RB#13	21.18	22.00
Band7	5MHz	16QAM	21425	12RB#13	21.19	22.00
Band7	5MHz	QPSK	21425	25RB#0	21.21	22.00
Band7	5MHz	16QAM	21425	25RB#0	20.22	21.00



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Band7	10MHz	QPSK	20800	1RB#0	21.47	22.00
Band7	10MHz	16QAM	20800	1RB#0	21.44	22.00
Band7	10MHz	QPSK	20800	1RB#24	21.71	22.00
Band7	10MHz	16QAM	20800	1RB#24	21.69	22.00
Band7	10MHz	QPSK	20800	1RB#49	22.40	23.00
Band7	10MHz	16QAM	20800	1RB#49	21.84	22.00
Band7	10MHz	QPSK	20800	25RB#0	21.57	22.00
Band7	10MHz	16QAM	20800	25RB#0	21.57	22.00
Band7	10MHz	QPSK	20800	25RB#12	21.56	22.00
Band7	10MHz	16QAM	20800	25RB#12	21.56	22.00
Band7	10MHz	QPSK	20800	25RB#25	22.02	23.00
Band7	10MHz	16QAM	20800	25RB#25	21.93	22.00
Band7	10MHz	QPSK	20800	50RB#0	21.83	22.00
Band7	10MHz	16QAM	20800	50RB#0	21.08	22.00
Band7	10MHz	QPSK	21100	1RB#0	23.43	24.00
Band7	10MHz	16QAM	21100	1RB#0	22.49	23.00
Band7	10MHz	QPSK	21100	1RB#24	23.48	24.00
Band7	10MHz	16QAM	21100	1RB#24	22.50	23.00
Band7	10MHz	QPSK	21100	1RB#49	23.50	24.00
Band7	10MHz	16QAM	21100	1RB#49	22.48	23.00
Band7	10MHz	QPSK	21100	25RB#0	22.59	23.00
Band7	10MHz	16QAM	21100	25RB#0	22.59	23.00
Band7	10MHz	QPSK	21100	25RB#12	22.59	23.00
Band7	10MHz	16QAM	21100	25RB#12	22.60	23.00
Band7	10MHz	QPSK	21100	25RB#25	22.63	23.00
Band7	10MHz	16QAM	21100	25RB#25	22.67	23.00
Band7	10MHz	QPSK	21100	50RB#0	22.60	23.00
Band7	10MHz	16QAM	21100	50RB#0	21.76	22.00
Band7	10MHz	QPSK	21400	1RB#0	21.17	22.00
Band7	10MHz	16QAM	21400	1RB#0	20.88	21.00
Band7	10MHz	QPSK	21400	1RB#24	21.64	22.00
Band7	10MHz	16QAM	21400	1RB#24	21.43	22.00
Band7	10MHz	QPSK	21400	1RB#49	22.54	23.00
Band7	10MHz	16QAM	21400	1RB#49	22.33	23.00
Band7	10MHz	QPSK	21400	25RB#0	21.37	22.00
Band7	10MHz	16QAM	21400	25RB#0	21.35	22.00
Band7	10MHz	QPSK	21400	25RB#12	21.34	22.00
Band7	10MHz	16QAM	21400	25RB#12	21.33	22.00
Band7	10MHz	QPSK	21400	25RB#25	22.21	23.00
Band7	10MHz	16QAM	21400	25RB#25	22.23	23.00



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Band7	10MHz	QPSK	21400	50RB#0	21.80	22.00
Band7	10MHz	16QAM	21400	50RB#0	21.51	22.00
Band7	15MHz	QPSK	20825	1RB#0	21.40	22.00
Band7	15MHz	16QAM	20825	1RB#0	21.36	22.00
Band7	15MHz	QPSK	20825	1RB#38	21.91	22.00
Band7	15MHz	16QAM	20825	1RB#38	21.91	22.00
Band7	15MHz	QPSK	20825	1RB#74	22.17	23.00
Band7	15MHz	16QAM	20825	1RB#74	22.20	23.00
Band7	15MHz	QPSK	20825	38RB#0	21.92	22.00
Band7	15MHz	16QAM	20825	38RB#0	21.91	22.00
Band7	15MHz	QPSK	20825	38RB#18	21.91	22.00
Band7	15MHz	16QAM	20825	38RB#18	21.91	22.00
Band7	15MHz	QPSK	20825	38RB#37	21.91	22.00
Band7	15MHz	16QAM	20825	38RB#37	21.91	22.00
Band7	15MHz	QPSK	20825	75RB#0	21.90	22.00
Band7	15MHz	16QAM	20825	75RB#0	21.22	22.00
Band7	15MHz	QPSK	21100	1RB#0	23.12	24.00
Band7	15MHz	16QAM	21100	1RB#0	22.74	23.00
Band7	15MHz	QPSK	21100	1RB#38	23.13	24.00
Band7	15MHz	16QAM	21100	1RB#38	22.70	23.00
Band7	15MHz	QPSK	21100	1RB#74	22.97	23.00
Band7	15MHz	16QAM	21100	1RB#74	22.74	23.00
Band7	15MHz	QPSK	21100	38RB#0	22.52	23.00
Band7	15MHz	16QAM	21100	38RB#0	22.53	23.00
Band7	15MHz	QPSK	21100	38RB#18	22.53	23.00
Band7	15MHz	16QAM	21100	38RB#18	22.53	23.00
Band7	15MHz	QPSK	21100	38RB#37	22.53	23.00
Band7	15MHz	16QAM	21100	38RB#37	22.54	23.00
Band7	15MHz	QPSK	21100	75RB#0	22.53	23.00
Band7	15MHz	16QAM	21100	75RB#0	21.76	22.00
Band7	15MHz	QPSK	21375	1RB#0	21.69	22.00
Band7	15MHz	16QAM	21375	1RB#0	21.38	22.00
Band7	15MHz	QPSK	21375	1RB#38	21.32	22.00
Band7	15MHz	16QAM	21375	1RB#38	21.10	22.00
Band7	15MHz	QPSK	21375	1RB#74	22.16	23.00
Band7	15MHz	16QAM	21375	1RB#74	21.95	22.00
Band7	15MHz	QPSK	21375	38RB#0	21.57	22.00
Band7	15MHz	16QAM	21375	38RB#0	21.56	22.00
Band7	15MHz	QPSK	21375	38RB#18	21.56	22.00
Band7	15MHz	16QAM	21375	38RB#18	21.55	22.00



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Band7	15MHz	QPSK	21375	38RB#37	21.55	22.00
Band7	15MHz	16QAM	21375	38RB#37	21.55	22.00
Band7	15MHz	QPSK	21375	75RB#0	21.55	22.00
Band7	15MHz	16QAM	21375	75RB#0	21.55	22.00
Band7	20MHz	QPSK	20850	1RB#0	21.44	22.00
Band7	20MHz	16QAM	20850	1RB#0	21.29	22.00
Band7	20MHz	QPSK	20850	1RB#49	22.18	23.00
Band7	20MHz	16QAM	20850	1RB#49	21.55	22.00
Band7	20MHz	QPSK	20850	1RB#99	22.59	23.00
Band7	20MHz	16QAM	20850	1RB#99	22.17	23.00
Band7	20MHz	QPSK	20850	50RB#0	21.58	22.00
Band7	20MHz	16QAM	20850	50RB#0	21.58	22.00
Band7	20MHz	QPSK	20850	50RB#25	21.58	22.00
Band7	20MHz	16QAM	20850	50RB#25	21.58	22.00
Band7	20MHz	QPSK	20850	50RB#50	22.22	23.00
Band7	20MHz	16QAM	20850	50RB#50	22.29	23.00
Band7	20MHz	QPSK	20850	100RB#0	22.00	23.00
Band7	20MHz	16QAM	20850	100RB#0	21.27	22.00
Band7	20MHz	QPSK	21100	1RB#0	22.91	23.00
Band7	20MHz	16QAM	21100	1RB#0	22.94	23.00
Band7	20MHz	QPSK	21100	1RB#49	23.52	24.00
Band7	20MHz	16QAM	21100	1RB#49	23.07	24.00
Band7	20MHz	QPSK	21100	1RB#99	23.42	24.00
Band7	20MHz	16QAM	21100	1RB#99	23.10	24.00
Band7	20MHz	QPSK	21100	50RB#0	22.69	23.00
Band7	20MHz	16QAM	21100	50RB#0	22.60	23.00
Band7	20MHz	QPSK	21100	50RB#25	22.61	23.00
Band7	20MHz	16QAM	21100	50RB#25	22.60	23.00
Band7	20MHz	QPSK	21100	50RB#50	22.68	23.00
Band7	20MHz	16QAM	21100	50RB#50	22.60	23.00
Band7	20MHz	QPSK	21100	100RB#0	22.61	23.00
Band7	20MHz	16QAM	21100	100RB#0	21.80	22.00
Band7	20MHz	QPSK	21350	1RB#0	22.60	23.00
Band7	20MHz	16QAM	21350	1RB#0	22.39	23.00
Band7	20MHz	QPSK	21350	1RB#49	21.20	22.00
Band7	20MHz	16QAM	21350	1RB#49	21.07	22.00
Band7	20MHz	QPSK	21350	1RB#99	22.62	23.00
Band7	20MHz	16QAM	21350	1RB#99	22.48	23.00
Band7	20MHz	QPSK	21350	50RB#0	21.74	22.00
Band7	20MHz	16QAM	21350	50RB#0	21.73	22.00



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Band7	20MHz	QPSK	21350	50RB#25	21.73	22.00
Band7	20MHz	16QAM	21350	50RB#25	21.72	22.00
Band7	20MHz	QPSK	21350	50RB#50	21.81	22.00
Band7	20MHz	16QAM	21350	50RB#50	21.80	22.00
Band7	20MHz	QPSK	21350	100RB#0	21.74	22.00
Band7	20MHz	16QAM	21350	100RB#0	21.57	22.00

1.1.10. Conducted Power Measurement Results(LTE Band 12)

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Tune up(dBm)
Band12	1.4MHz	QPSK	23017	1RB#0	23.99	24.00
Band12	1.4MHz	16QAM	23017	1RB#0	22.88	23.00
Band12	1.4MHz	QPSK	23017	1RB#2	23.95	24.00
Band12	1.4MHz	16QAM	23017	1RB#2	22.79	23.00
Band12	1.4MHz	QPSK	23017	1RB#5	24.00	25.00
Band12	1.4MHz	16QAM	23017	1RB#5	22.92	23.00
Band12	1.4MHz	QPSK	23017	3RB#0	23.75	24.00
Band12	1.4MHz	16QAM	23017	3RB#0	23.73	24.00
Band12	1.4MHz	QPSK	23017	3RB#1	23.73	24.00
Band12	1.4MHz	16QAM	23017	3RB#1	23.72	24.00
Band12	1.4MHz	QPSK	23017	3RB#3	23.68	24.00
Band12	1.4MHz	16QAM	23017	3RB#3	23.67	24.00
Band12	1.4MHz	QPSK	23017	6RB#0	22.87	23.00
Band12	1.4MHz	16QAM	23017	6RB#0	22.05	23.00
Band12	1.4MHz	QPSK	23095	1RB#0	23.56	24.00
Band12	1.4MHz	16QAM	23095	1RB#0	22.85	23.00
Band12	1.4MHz	QPSK	23095	1RB#2	23.65	24.00
Band12	1.4MHz	16QAM	23095	1RB#2	23.04	24.00
Band12	1.4MHz	QPSK	23095	1RB#5	23.68	24.00
Band12	1.4MHz	16QAM	23095	1RB#5	23.02	24.00
Band12	1.4MHz	QPSK	23095	3RB#0	23.87	24.00
Band12	1.4MHz	16QAM	23095	3RB#0	23.83	24.00
Band12	1.4MHz	QPSK	23095	3RB#1	23.80	24.00
Band12	1.4MHz	16QAM	23095	3RB#1	23.91	24.00
Band12	1.4MHz	QPSK	23095	3RB#3	23.93	24.00
Band12	1.4MHz	16QAM	23095	3RB#3	23.93	24.00
Band12	1.4MHz	QPSK	23095	6RB#0	22.95	23.00
Band12	1.4MHz	16QAM	23095	6RB#0	21.94	22.00
Band12	1.4MHz	QPSK	23173	1RB#0	23.94	24.00
Band12	1.4MHz	16QAM	23173	1RB#0	23.53	24.00



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Band12	1.4MHz	QPSK	23173	1RB#2	24.02	25.00
Band12	1.4MHz	16QAM	23173	1RB#2	23.63	24.00
Band12	1.4MHz	QPSK	23173	1RB#5	24.04	25.00
Band12	1.4MHz	16QAM	23173	1RB#5	23.58	24.00
Band12	1.4MHz	QPSK	23173	3RB#0	24.13	25.00
Band12	1.4MHz	16QAM	23173	3RB#0	24.13	25.00
Band12	1.4MHz	QPSK	23173	3RB#1	24.12	25.00
Band12	1.4MHz	16QAM	23173	3RB#1	24.12	25.00
Band12	1.4MHz	QPSK	23173	3RB#3	24.19	25.00
Band12	1.4MHz	16QAM	23173	3RB#3	24.18	25.00
Band12	1.4MHz	QPSK	23173	6RB#0	23.27	24.00
Band12	1.4MHz	16QAM	23173	6RB#0	22.70	23.00
Band12	3MHz	QPSK	23025	1RB#0	23.43	24.00
Band12	3MHz	16QAM	23025	1RB#0	22.32	23.00
Band12	3MHz	QPSK	23025	1RB#8	23.38	24.00
Band12	3MHz	16QAM	23025	1RB#8	22.38	23.00
Band12	3MHz	QPSK	23025	1RB#14	23.40	24.00
Band12	3MHz	16QAM	23025	1RB#14	22.57	23.00
Band12	3MHz	QPSK	23025	8RB#0	22.51	23.00
Band12	3MHz	16QAM	23025	8RB#0	22.66	23.00
Band12	3MHz	QPSK	23025	8RB#4	22.66	23.00
Band12	3MHz	16QAM	23025	8RB#4	22.65	23.00
Band12	3MHz	QPSK	23025	8RB#7	22.65	23.00
Band12	3MHz	16QAM	23025	8RB#7	22.65	23.00
Band12	3MHz	QPSK	23025	15RB#0	22.65	23.00
Band12	3MHz	16QAM	23025	15RB#0	21.80	22.00
Band12	3MHz	QPSK	23095	1RB#0	23.60	24.00
Band12	3MHz	16QAM	23095	1RB#0	22.38	23.00
Band12	3MHz	QPSK	23095	1RB#8	23.72	24.00
Band12	3MHz	16QAM	23095	1RB#8	22.45	23.00
Band12	3MHz	QPSK	23095	1RB#14	23.79	24.00
Band12	3MHz	16QAM	23095	1RB#14	22.49	23.00
Band12	3MHz	QPSK	23095	8RB#0	22.74	23.00
Band12	3MHz	16QAM	23095	8RB#0	22.73	23.00
Band12	3MHz	QPSK	23095	8RB#4	22.73	23.00
Band12	3MHz	16QAM	23095	8RB#4	22.73	23.00
Band12	3MHz	QPSK	23095	8RB#7	22.73	23.00
Band12	3MHz	16QAM	23095	8RB#7	22.73	23.00
Band12	3MHz	QPSK	23095	15RB#0	22.73	23.00
Band12	3MHz	16QAM	23095	15RB#0	21.81	22.00



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Band12	3MHz	QPSK	23165	1RB#0	24.06	25.00
Band12	3MHz	16QAM	23165	1RB#0	23.43	24.00
Band12	3MHz	QPSK	23165	1RB#8	24.02	25.00
Band12	3MHz	16QAM	23165	1RB#8	23.46	24.00
Band12	3MHz	QPSK	23165	1RB#14	24.09	25.00
Band12	3MHz	16QAM	23165	1RB#14	23.85	24.00
Band12	3MHz	QPSK	23165	8RB#0	23.05	24.00
Band12	3MHz	16QAM	23165	8RB#0	23.15	24.00
Band12	3MHz	QPSK	23165	8RB#4	23.15	24.00
Band12	3MHz	16QAM	23165	8RB#4	23.15	24.00
Band12	3MHz	QPSK	23165	8RB#7	23.15	24.00
Band12	3MHz	16QAM	23165	8RB#7	23.15	24.00
Band12	3MHz	QPSK	23165	15RB#0	23.15	24.00
Band12	3MHz	16QAM	23165	15RB#0	22.20	23.00
Band12	5MHz	QPSK	23035	1RB#0	23.48	24.00
Band12	5MHz	16QAM	23035	1RB#0	22.06	23.00
Band12	5MHz	QPSK	23035	1RB#12	23.60	24.00
Band12	5MHz	16QAM	23035	1RB#12	22.05	23.00
Band12	5MHz	QPSK	23035	1RB#24	23.49	24.00
Band12	5MHz	16QAM	23035	1RB#24	22.12	23.00
Band12	5MHz	QPSK	23035	12RB#0	22.53	23.00
Band12	5MHz	16QAM	23035	12RB#0	22.51	23.00
Band12	5MHz	QPSK	23035	12RB#6	22.67	23.00
Band12	5MHz	16QAM	23035	12RB#6	22.67	23.00
Band12	5MHz	QPSK	23035	12RB#13	22.53	23.00
Band12	5MHz	16QAM	23035	12RB#13	22.54	23.00
Band12	5MHz	QPSK	23035	25RB#0	22.54	23.00
Band12	5MHz	16QAM	23035	25RB#0	21.83	22.00
Band12	5MHz	QPSK	23095	1RB#0	23.48	24.00
Band12	5MHz	16QAM	23095	1RB#0	22.93	23.00
Band12	5MHz	QPSK	23095	1RB#12	23.53	24.00
Band12	5MHz	16QAM	23095	1RB#12	23.04	24.00
Band12	5MHz	QPSK	23095	1RB#24	23.59	24.00
Band12	5MHz	16QAM	23095	1RB#24	23.23	24.00
Band12	5MHz	QPSK	23095	12RB#0	22.60	23.00
Band12	5MHz	16QAM	23095	12RB#0	22.61	23.00
Band12	5MHz	QPSK	23095	12RB#6	22.61	23.00
Band12	5MHz	16QAM	23095	12RB#6	22.61	23.00
Band12	5MHz	QPSK	23095	12RB#13	22.81	23.00
Band12	5MHz	16QAM	23095	12RB#13	22.81	23.00



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Band12	5MHz	QPSK	23095	25RB#0	22.83	23.00
Band12	5MHz	16QAM	23095	25RB#0	21.91	22.00
Band12	5MHz	QPSK	23155	1RB#0	23.78	24.00
Band12	5MHz	16QAM	23155	1RB#0	22.63	23.00
Band12	5MHz	QPSK	23155	1RB#12	23.85	24.00
Band12	5MHz	16QAM	23155	1RB#12	22.80	23.00
Band12	5MHz	QPSK	23155	1RB#24	23.98	24.00
Band12	5MHz	16QAM	23155	1RB#24	22.87	23.00
Band12	5MHz	QPSK	23155	12RB#0	22.91	23.00
Band12	5MHz	16QAM	23155	12RB#0	22.95	23.00
Band12	5MHz	QPSK	23155	12RB#6	22.91	23.00
Band12	5MHz	16QAM	23155	12RB#6	23.08	24.00
Band12	5MHz	QPSK	23155	12RB#13	23.15	24.00
Band12	5MHz	16QAM	23155	12RB#13	23.15	24.00
Band12	5MHz	QPSK	23155	25RB#0	23.05	24.00
Band12	5MHz	16QAM	23155	25RB#0	22.30	23.00
Band12	10MHz	QPSK	23060	1RB#0	23.46	24.00
Band12	10MHz	16QAM	23060	1RB#0	22.83	23.00
Band12	10MHz	QPSK	23060	1RB#24	23.39	24.00
Band12	10MHz	16QAM	23060	1RB#24	22.79	23.00
Band12	10MHz	QPSK	23060	1RB#49	23.53	24.00
Band12	10MHz	16QAM	23060	1RB#49	22.90	23.00
Band12	10MHz	QPSK	23060	25RB#0	22.67	23.00
Band12	10MHz	16QAM	23060	25RB#0	22.51	23.00
Band12	10MHz	QPSK	23060	25RB#12	22.50	23.00
Band12	10MHz	16QAM	23060	25RB#12	22.50	23.00
Band12	10MHz	QPSK	23060	25RB#25	22.73	23.00
Band12	10MHz	16QAM	23060	25RB#25	22.73	23.00
Band12	10MHz	QPSK	23060	50RB#0	22.69	23.00
Band12	10MHz	16QAM	23060	50RB#0	21.73	22.00
Band12	10MHz	QPSK	23095	1RB#0	23.69	24.00
Band12	10MHz	16QAM	23095	1RB#0	22.56	23.00
Band12	10MHz	QPSK	23095	1RB#24	23.80	24.00
Band12	10MHz	16QAM	23095	1RB#24	22.81	23.00
Band12	10MHz	QPSK	23095	1RB#49	23.99	24.00
Band12	10MHz	16QAM	23095	1RB#49	22.93	23.00
Band12	10MHz	QPSK	23095	25RB#0	22.70	23.00
Band12	10MHz	16QAM	23095	25RB#0	22.70	23.00
Band12	10MHz	QPSK	23095	25RB#12	22.70	23.00
Band12	10MHz	16QAM	23095	25RB#12	22.70	23.00



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Band12	10MHz	QPSK	23095	25RB#25	22.80	23.00
Band12	10MHz	16QAM	23095	25RB#25	22.83	23.00
Band12	10MHz	QPSK	23095	50RB#0	22.86	23.00
Band12	10MHz	16QAM	23095	50RB#0	21.93	22.00
Band12	10MHz	QPSK	23130	1RB#0	23.45	24.00
Band12	10MHz	16QAM	23130	1RB#0	23.36	24.00
Band12	10MHz	QPSK	23130	1RB#24	23.74	24.00
Band12	10MHz	16QAM	23130	1RB#24	23.63	24.00
Band12	10MHz	QPSK	23130	1RB#49	23.84	24.00
Band12	10MHz	16QAM	23130	1RB#49	23.78	24.00
Band12	10MHz	QPSK	23130	25RB#0	22.76	23.00
Band12	10MHz	16QAM	23130	25RB#0	22.81	23.00
Band12	10MHz	QPSK	23130	25RB#12	22.81	23.00
Band12	10MHz	16QAM	23130	25RB#12	22.80	23.00
Band12	10MHz	QPSK	23130	25RB#25	23.08	24.00
Band12	10MHz	16QAM	23130	25RB#25	23.09	24.00
Band12	10MHz	QPSK	23130	50RB#0	22.95	23.00
Band12	10MHz	16QAM	23130	50RB#0	22.16	23.00

1.1.11. Conducted Power Measurement Results(LTE Band 17)

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Tune up(dBm)
Band17	5MHz	QPSK	23755	1RB#0	23.65	24.00
Band17	5MHz	16QAM	23755	1RB#0	22.45	23.00
Band17	5MHz	QPSK	23755	1RB#12	23.72	24.00
Band17	5MHz	16QAM	23755	1RB#12	22.41	23.00
Band17	5MHz	QPSK	23755	1RB#24	23.83	24.00
Band17	5MHz	16QAM	23755	1RB#24	22.60	23.00
Band17	5MHz	QPSK	23755	12RB#0	22.69	23.00
Band17	5MHz	16QAM	23755	12RB#0	22.68	23.00
Band17	5MHz	QPSK	23755	12RB#6	22.67	23.00
Band17	5MHz	16QAM	23755	12RB#6	22.67	23.00
Band17	5MHz	QPSK	23755	12RB#13	22.82	23.00
Band17	5MHz	16QAM	23755	12RB#13	22.76	23.00
Band17	5MHz	QPSK	23755	25RB#0	22.68	23.00
Band17	5MHz	16QAM	23755	25RB#0	21.76	22.00
Band17	5MHz	QPSK	23790	1RB#0	23.70	24.00
Band17	5MHz	16QAM	23790	1RB#0	22.36	23.00
Band17	5MHz	QPSK	23790	1RB#12	23.84	24.00
Band17	5MHz	16QAM	23790	1RB#12	22.46	23.00



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Band17	5MHz	QPSK	23790	1RB#24	23.86	24.00
Band17	5MHz	16QAM	23790	1RB#24	22.77	23.00
Band17	5MHz	QPSK	23790	12RB#0	22.78	23.00
Band17	5MHz	16QAM	23790	12RB#0	22.77	23.00
Band17	5MHz	QPSK	23790	12RB#6	22.81	23.00
Band17	5MHz	16QAM	23790	12RB#6	22.80	23.00
Band17	5MHz	QPSK	23790	12RB#13	23.09	24.00
Band17	5MHz	16QAM	23790	12RB#13	23.08	24.00
Band17	5MHz	QPSK	23790	25RB#0	22.88	23.00
Band17	5MHz	16QAM	23790	25RB#0	22.11	23.00
Band17	5MHz	QPSK	23825	1RB#0	23.96	24.00
Band17	5MHz	16QAM	23825	1RB#0	22.57	23.00
Band17	5MHz	QPSK	23825	1RB#12	24.03	25.00
Band17	5MHz	16QAM	23825	1RB#12	22.71	23.00
Band17	5MHz	QPSK	23825	1RB#24	24.17	25.00
Band17	5MHz	16QAM	23825	1RB#24	22.81	23.00
Band17	5MHz	QPSK	23825	12RB#0	23.07	24.00
Band17	5MHz	16QAM	23825	12RB#0	23.06	24.00
Band17	5MHz	QPSK	23825	12RB#6	23.00	24.00
Band17	5MHz	16QAM	23825	12RB#6	22.93	23.00
Band17	5MHz	QPSK	23825	12RB#13	23.30	24.00
Band17	5MHz	16QAM	23825	12RB#13	23.31	24.00
Band17	5MHz	QPSK	23825	25RB#0	23.12	24.00
Band17	5MHz	16QAM	23825	25RB#0	22.47	23.00
Band17	10MHz	QPSK	23780	1RB#0	23.49	24.00
Band17	10MHz	16QAM	23780	1RB#0	22.39	23.00
Band17	10MHz	QPSK	23780	1RB#24	23.49	24.00
Band17	10MHz	16QAM	23780	1RB#24	22.60	23.00
Band17	10MHz	QPSK	23780	1RB#49	23.79	24.00
Band17	10MHz	16QAM	23780	1RB#49	23.20	24.00
Band17	10MHz	QPSK	23780	25RB#0	22.72	23.00
Band17	10MHz	16QAM	23780	25RB#0	22.71	23.00
Band17	10MHz	QPSK	23780	25RB#12	22.55	23.00
Band17	10MHz	16QAM	23780	25RB#12	22.55	23.00
Band17	10MHz	QPSK	23780	25RB#25	23.00	24.00
Band17	10MHz	16QAM	23780	25RB#25	22.99	23.00
Band17	10MHz	QPSK	23780	50RB#0	22.71	23.00
Band17	10MHz	16QAM	23780	50RB#0	21.94	22.00
Band17	10MHz	QPSK	23790	1RB#0	23.75	24.00
Band17	10MHz	16QAM	23790	1RB#0	22.50	23.00



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Band17	10MHz	QPSK	23790	1RB#24	23.91	24.00
Band17	10MHz	16QAM	23790	1RB#24	22.94	23.00
Band17	10MHz	QPSK	23790	1RB#49	24.09	25.00
Band17	10MHz	16QAM	23790	1RB#49	22.98	23.00
Band17	10MHz	QPSK	23790	25RB#0	22.68	23.00
Band17	10MHz	16QAM	23790	25RB#0	22.67	23.00
Band17	10MHz	QPSK	23790	25RB#12	22.67	23.00
Band17	10MHz	16QAM	23790	25RB#12	22.67	23.00
Band17	10MHz	QPSK	23790	25RB#25	23.03	24.00
Band17	10MHz	16QAM	23790	25RB#25	23.03	24.00
Band17	10MHz	QPSK	23790	50RB#0	22.84	23.00
Band17	10MHz	16QAM	23790	50RB#0	22.02	23.00
Band17	10MHz	QPSK	23800	1RB#0	23.46	24.00
Band17	10MHz	16QAM	23800	1RB#0	23.41	24.00
Band17	10MHz	QPSK	23800	1RB#24	23.74	24.00
Band17	10MHz	16QAM	23800	1RB#24	23.61	24.00
Band17	10MHz	QPSK	23800	1RB#49	23.88	24.00
Band17	10MHz	16QAM	23800	1RB#49	23.78	24.00
Band17	10MHz	QPSK	23800	25RB#0	22.79	23.00
Band17	10MHz	16QAM	23800	25RB#0	22.79	23.00
Band17	10MHz	QPSK	23800	25RB#12	22.79	23.00
Band17	10MHz	16QAM	23800	25RB#12	22.78	23.00
Band17	10MHz	QPSK	23800	25RB#25	23.06	24.00
Band17	10MHz	16QAM	23800	25RB#25	23.07	24.00
Band17	10MHz	QPSK	23800	50RB#0	22.90	23.00
Band17	10MHz	16QAM	23800	50RB#0	22.14	23.00

1.1.12. Conducted Power Measurement Results(LTE Band 38)

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Tune up(dBm)
Band38	5MHz	QPSK	37775	25RB#0	21.02	22.00
Band38	5MHz	16QAM	37775	25RB#0	20.28	21.00
Band38	5MHz	QPSK	38000	25RB#0	20.74	21.00
Band38	5MHz	16QAM	38000	25RB#0	20.04	21.00
Band38	5MHz	QPSK	38225	25RB#0	20.47	21.00
Band38	5MHz	16QAM	38225	25RB#0	19.74	20.00
Band38	10MHz	QPSK	37800	50RB#0	22.09	23.00
Band38	10MHz	16QAM	37800	50RB#0	21.34	22.00
Band38	10MHz	QPSK	38000	50RB#0	21.77	22.00
Band38	10MHz	16QAM	38000	50RB#0	21.01	22.00



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Band38	10MHz	QPSK	38200	50RB#0	21.62	22.00
Band38	10MHz	16QAM	38200	50RB#0	20.85	21.00
Band38	15MHz	QPSK	37825	75RB#0	22.17	23.00
Band38	15MHz	16QAM	37825	75RB#0	21.60	22.00
Band38	15MHz	QPSK	38000	75RB#0	21.71	22.00
Band38	15MHz	16QAM	38000	75RB#0	20.99	21.00
Band38	15MHz	QPSK	38175	75RB#0	21.49	22.00
Band38	15MHz	16QAM	38175	75RB#0	20.74	21.00
Band38	20MHz	QPSK	37850	100RB#0	22.53	23.00
Band38	20MHz	16QAM	37850	100RB#0	21.64	22.00
Band38	20MHz	QPSK	38000	100RB#0	21.94	22.00
Band38	20MHz	16QAM	38000	100RB#0	21.21	22.00
Band38	20MHz	QPSK	38150	100RB#0	21.65	22.00
Band38	20MHz	16QAM	38150	100RB#0	20.83	21.00

1.1.13. Conducted Power Measurement Results(LTE Band 41)

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Tune up(dBm)
Band41	5MHz	QPSK	39675	1RB#0	22.49	23.00
Band41	5MHz	16QAM	39675	1RB#0	22.46	23.00
Band41	5MHz	QPSK	39675	1RB#12	22.35	23.00
Band41	5MHz	16QAM	39675	1RB#12	22.34	23.00
Band41	5MHz	QPSK	39675	1RB#24	21.98	22.00
Band41	5MHz	16QAM	39675	1RB#24	22.12	23.00
Band41	5MHz	QPSK	39675	12RB#0	21.30	22.00
Band41	5MHz	16QAM	39675	12RB#0	21.30	22.00
Band41	5MHz	QPSK	39675	12RB#6	21.30	22.00
Band41	5MHz	16QAM	39675	12RB#6	21.31	22.00
Band41	5MHz	QPSK	39675	12RB#13	21.31	22.00
Band41	5MHz	16QAM	39675	12RB#13	21.31	22.00
Band41	5MHz	QPSK	39675	25RB#0	21.31	22.00
Band41	5MHz	16QAM	39675	25RB#0	20.54	21.00
Band41	5MHz	QPSK	40620	1RB#0	22.19	23.00
Band41	5MHz	16QAM	40620	1RB#0	21.63	22.00
Band41	5MHz	QPSK	40620	1RB#12	21.92	22.00
Band41	5MHz	16QAM	40620	1RB#12	21.63	22.00
Band41	5MHz	QPSK	40620	1RB#24	21.83	22.00
Band41	5MHz	16QAM	40620	1RB#24	21.47	22.00
Band41	5MHz	QPSK	40620	12RB#0	20.96	21.00
Band41	5MHz	16QAM	40620	12RB#0	20.97	21.00



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Band41	5MHz	QPSK	40620	12RB#6	20.97	21.00
Band41	5MHz	16QAM	40620	12RB#6	20.97	21.00
Band41	5MHz	QPSK	40620	12RB#13	20.98	21.00
Band41	5MHz	16QAM	40620	12RB#13	20.98	21.00
Band41	5MHz	QPSK	40620	25RB#0	20.99	21.00
Band41	5MHz	16QAM	40620	25RB#0	20.30	21.00
Band41	5MHz	QPSK	41565	1RB#0	22.83	23.00
Band41	5MHz	16QAM	41565	1RB#0	22.67	23.00
Band41	5MHz	QPSK	41565	1RB#12	23.06	24.00
Band41	5MHz	16QAM	41565	1RB#12	22.73	23.00
Band41	5MHz	QPSK	41565	1RB#24	22.71	23.00
Band41	5MHz	16QAM	41565	1RB#24	22.78	23.00
Band41	5MHz	QPSK	41565	12RB#0	22.38	23.00
Band41	5MHz	16QAM	41565	12RB#0	22.39	23.00
Band41	5MHz	QPSK	41565	12RB#6	22.39	23.00
Band41	5MHz	16QAM	41565	12RB#6	22.40	23.00
Band41	5MHz	QPSK	41565	12RB#13	22.40	23.00
Band41	5MHz	16QAM	41565	12RB#13	22.40	23.00
Band41	5MHz	QPSK	41565	25RB#0	22.40	23.00
Band41	5MHz	16QAM	41565	25RB#0	21.62	22.00
Band41	10MHz	QPSK	39700	1RB#0	22.82	23.00
Band41	10MHz	16QAM	39700	1RB#0	22.28	23.00
Band41	10MHz	QPSK	39700	1RB#24	22.65	23.00
Band41	10MHz	16QAM	39700	1RB#24	22.06	23.00
Band41	10MHz	QPSK	39700	1RB#49	22.71	23.00
Band41	10MHz	16QAM	39700	1RB#49	22.11	23.00
Band41	10MHz	QPSK	39700	25RB#0	21.87	22.00
Band41	10MHz	16QAM	39700	25RB#0	21.86	22.00
Band41	10MHz	QPSK	39700	25RB#12	21.86	22.00
Band41	10MHz	16QAM	39700	25RB#12	21.86	22.00
Band41	10MHz	QPSK	39700	25RB#25	21.85	22.00
Band41	10MHz	16QAM	39700	25RB#25	22.17	23.00
Band41	10MHz	QPSK	39700	50RB#0	22.16	23.00
Band41	10MHz	16QAM	39700	50RB#0	21.44	22.00
Band41	10MHz	QPSK	40620	1RB#0	23.24	24.00
Band41	10MHz	16QAM	40620	1RB#0	22.71	23.00
Band41	10MHz	QPSK	40620	1RB#24	23.06	24.00
Band41	10MHz	16QAM	40620	1RB#24	22.40	23.00
Band41	10MHz	QPSK	40620	1RB#49	22.59	23.00
Band41	10MHz	16QAM	40620	1RB#49	22.01	23.00



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Band41	10MHz	QPSK	40620	25RB#0	22.19	23.00
Band41	10MHz	16QAM	40620	25RB#0	22.20	23.00
Band41	10MHz	QPSK	40620	25RB#12	22.20	23.00
Band41	10MHz	16QAM	40620	25RB#12	22.20	23.00
Band41	10MHz	QPSK	40620	25RB#25	21.71	22.00
Band41	10MHz	16QAM	40620	25RB#25	21.71	22.00
Band41	10MHz	QPSK	40620	50RB#0	21.96	22.00
Band41	10MHz	16QAM	40620	50RB#0	21.12	22.00
Band41	10MHz	QPSK	41540	1RB#0	22.85	23.00
Band41	10MHz	16QAM	41540	1RB#0	22.75	23.00
Band41	10MHz	QPSK	41540	1RB#24	22.86	23.00
Band41	10MHz	16QAM	41540	1RB#24	22.76	23.00
Band41	10MHz	QPSK	41540	1RB#49	22.82	23.00
Band41	10MHz	16QAM	41540	1RB#49	22.66	23.00
Band41	10MHz	QPSK	41540	25RB#0	21.86	22.00
Band41	10MHz	16QAM	41540	25RB#0	21.83	22.00
Band41	10MHz	QPSK	41540	25RB#12	21.83	22.00
Band41	10MHz	16QAM	41540	25RB#12	21.84	22.00
Band41	10MHz	QPSK	41540	25RB#25	21.82	22.00
Band41	10MHz	16QAM	41540	25RB#25	21.82	22.00
Band41	10MHz	QPSK	41540	50RB#0	21.83	22.00
Band41	10MHz	16QAM	41540	50RB#0	20.97	21.00
Band41	15MHz	QPSK	39725	1RB#0	23.31	24.00
Band41	15MHz	16QAM	39725	1RB#0	23.02	24.00
Band41	15MHz	QPSK	39725	1RB#38	23.11	24.00
Band41	15MHz	16QAM	39725	1RB#38	22.90	23.00
Band41	15MHz	QPSK	39725	1RB#74	23.43	24.00
Band41	15MHz	16QAM	39725	1RB#74	23.13	24.00
Band41	15MHz	QPSK	39725	38RB#0	22.21	23.00
Band41	15MHz	16QAM	39725	38RB#0	22.21	23.00
Band41	15MHz	QPSK	39725	38RB#18	22.20	23.00
Band41	15MHz	16QAM	39725	38RB#18	22.20	23.00
Band41	15MHz	QPSK	39725	38RB#37	22.20	23.00
Band41	15MHz	16QAM	39725	38RB#37	22.28	23.00
Band41	15MHz	QPSK	39725	75RB#0	22.28	23.00
Band41	15MHz	16QAM	39725	75RB#0	21.53	22.00
Band41	15MHz	QPSK	40620	1RB#0	23.72	24.00
Band41	15MHz	16QAM	40620	1RB#0	22.22	23.00
Band41	15MHz	QPSK	40620	1RB#38	23.38	24.00
Band41	15MHz	16QAM	40620	1RB#38	21.77	22.00



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Band41	15MHz	QPSK	40620	1RB#74	22.93	23.00
Band41	15MHz	16QAM	40620	1RB#74	21.41	22.00
Band41	15MHz	QPSK	40620	38RB#0	22.14	23.00
Band41	15MHz	16QAM	40620	38RB#0	22.14	23.00
Band41	15MHz	QPSK	40620	38RB#18	22.14	23.00
Band41	15MHz	16QAM	40620	38RB#18	22.14	23.00
Band41	15MHz	QPSK	40620	38RB#37	22.14	23.00
Band41	15MHz	16QAM	40620	38RB#37	22.14	23.00
Band41	15MHz	QPSK	40620	75RB#0	22.14	23.00
Band41	15MHz	16QAM	40620	75RB#0	21.46	22.00
Band41	15MHz	QPSK	41515	1RB#0	22.84	23.00
Band41	15MHz	16QAM	41515	1RB#0	22.72	23.00
Band41	15MHz	QPSK	41515	1RB#38	22.96	23.00
Band41	15MHz	16QAM	41515	1RB#38	22.72	23.00
Band41	15MHz	QPSK	41515	1RB#74	22.77	23.00
Band41	15MHz	16QAM	41515	1RB#74	22.61	23.00
Band41	15MHz	QPSK	41515	38RB#0	21.88	22.00
Band41	15MHz	16QAM	41515	38RB#0	21.88	22.00
Band41	15MHz	QPSK	41515	38RB#18	21.88	22.00
Band41	15MHz	16QAM	41515	38RB#18	21.88	22.00
Band41	15MHz	QPSK	41515	38RB#37	21.88	22.00
Band41	15MHz	16QAM	41515	38RB#37	21.89	22.00
Band41	15MHz	QPSK	41515	75RB#0	21.89	22.00
Band41	15MHz	16QAM	41515	75RB#0	21.25	22.00
Band41	20MHz	QPSK	39750	1RB#0	23.04	24.00
Band41	20MHz	16QAM	39750	1RB#0	22.31	23.00
Band41	20MHz	QPSK	39750	1RB#49	22.75	23.00
Band41	20MHz	16QAM	39750	1RB#49	22.22	23.00
Band41	20MHz	QPSK	39750	1RB#99	23.28	24.00
Band41	20MHz	16QAM	39750	1RB#99	22.96	23.00
Band41	20MHz	QPSK	39750	50RB#0	21.83	22.00
Band41	20MHz	16QAM	39750	50RB#0	21.26	22.00
Band41	20MHz	QPSK	39750	50RB#25	21.82	22.00
Band41	20MHz	16QAM	39750	50RB#25	21.25	22.00
Band41	20MHz	QPSK	39750	50RB#50	22.21	23.00
Band41	20MHz	16QAM	39750	50RB#50	21.61	22.00
Band41	20MHz	QPSK	39750	100RB#0	21.95	22.00
Band41	20MHz	16QAM	39750	100RB#0	21.29	22.00
Band41	20MHz	QPSK	40620	1RB#0	23.60	24.00
Band41	20MHz	16QAM	40620	1RB#0	22.75	23.00



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Band41	20MHz	QPSK	40620	1RB#49	23.16	24.00
Band41	20MHz	16QAM	40620	1RB#49	22.36	23.00
Band41	20MHz	QPSK	40620	1RB#99	22.55	23.00
Band41	20MHz	16QAM	40620	1RB#99	21.66	22.00
Band41	20MHz	QPSK	40620	50RB#0	22.43	23.00
Band41	20MHz	16QAM	40620	50RB#0	21.67	22.00
Band41	20MHz	QPSK	40620	50RB#25	22.44	23.00
Band41	20MHz	16QAM	40620	50RB#25	21.61	22.00
Band41	20MHz	QPSK	40620	50RB#50	21.76	22.00
Band41	20MHz	16QAM	40620	50RB#50	21.08	22.00
Band41	20MHz	QPSK	40620	100RB#0	22.12	23.00
Band41	20MHz	16QAM	40620	100RB#0	21.42	22.00
Band41	20MHz	QPSK	41490	1RB#0	22.88	23.00
Band41	20MHz	16QAM	41490	1RB#0	21.88	22.00
Band41	20MHz	QPSK	41490	1RB#49	23.00	24.00
Band41	20MHz	16QAM	41490	1RB#49	21.97	22.00
Band41	20MHz	QPSK	41490	1RB#99	22.85	23.00
Band41	20MHz	16QAM	41490	1RB#99	21.92	22.00
Band41	20MHz	QPSK	41490	50RB#0	21.90	22.00
Band41	20MHz	16QAM	41490	50RB#0	21.08	22.00
Band41	20MHz	QPSK	41490	50RB#25	21.91	22.00
Band41	20MHz	16QAM	41490	50RB#25	21.13	22.00
Band41	20MHz	QPSK	41490	50RB#50	21.78	22.00
Band41	20MHz	16QAM	41490	50RB#50	20.95	21.00
Band41	20MHz	QPSK	41490	100RB#0	21.76	22.00
Band41	20MHz	16QAM	41490	100RB#0	20.90	21.00



**1.1.14. Conducted Power Measurement Results(WIFI 2.4G)**

Test Mode	Antenna	Freq(MHz)	Channel	Conducted Power AV (dBm)	Tune up(dBm)
11B	Ant1	2412	01	4.652	5.00
		2437	06	4.895	5.00
		2462	11	5.235	6.00
11G	Ant1	2412	01	0.685	1.00
		2437	06	0.265	1.00
		2462	11	0.056	1.00
11N20SISO	Ant1	2412	01	-1.562	-1.00
		2437	06	-1.895	-1.00
		2462	11	-1.965	-1.00
11N40SISO	Ant1	2422	03	-3.251	-3.00
		2437	06	-3.598	-3.00
		2452	09	-3.986	-3.00

1.1.15. Conducted Power Measurement Results(WIFI 5.2G)

Mode	Frequency (MHz)	Channel	Conducted Power (dBm)	Tune up
a	5180	36	9.635	10.00
a	5200	40	9.765	10.00
a	5240	48	9.564	10.00
n20	5180	36	8.635	9.00
n20	5200	40	8.562	9.00
n20	5240	48	8.021	9.00
n40	5190	38	7.635	8.00
n40	5230	46	7.542	8.00
ac20	5180	36	7.523	8.00
ac20	5200	40	5.652	6.00
ac20	5240	48	5.354	6.00
ac40	5190	38	5.123	6.00
ac40	5230	46	5.032	6.00
AC80	5210	42	3.254	4.00

1.1.16. Conducted Power Measurement Results(WIFI 5.8G)

Mode	Frequency (MHz)	Channel	Conducted Power (dBm)	Tune up
a	5745	149	6.854	7.00
a	5785	157	6.562	7.00
a	5825	165	6.235	7.00
n20	5745	149	5.856	6.00





n20	5785	157	5.658	6.00
n20	5825	165	5.465	6.00
n40	5755	151	4.895	5.00
n40	5795	159	4.653	5.00
ac20	5745	149	4.235	5.00
ac20	5785	157	2.632	3.00
ac20	5825	165	2.251	3.00
ac40	5755	151	2.452	3.00
ac40	5795	159	2.354	3.00
Ac80	5775	155	1.632	2.00

Tune Up Procedure

1. RX Gain Calibration
 - a. Put DUT in test mode
 - b. Put DUT in BCH mode
 - c. Put DUT in selected channel band
 - d. Total gain chain calibration at center ARFCN
 - e. Frequency Ripple calibration
 - f. Complete RX_AGC Gain table
2. TX Power Calibration
 - a. Put DUT in test mode
 - b. Put DUT in BCH mode
 - c. Put DUT in selected channel band
 - d. Total gain chain calibration at center ARFCN
 - e. Frequency Ripple calibration
 - f. Complete TX_APC Gain table
3. AFC Calibration
 - a. Put DUT in test mode
 - b. Put DUT in selected channel mode
 - c. Calibration AFC at center ARFCN
 - d. Complete AFC result table

