



Tune Up Procedure

Tune-up procedure

GSM/WCDMA/LTE TEST

Measurement Procedure:

GSM/WCDMA/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(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(GMSK)	GSM	32.6 6	32.7 1	32.6 7	33.00	-9.19	23.47	23.52	23.48	23.81
GPRS/EGPRS RS (GMSK)	1 TX Slot	32.5 2	32.5 3	32.5	33.00	-9.19	23.33	23.34	23.31	23.81
	2 TX Slots	30.9 5	31.0 0	30.9 8	31.50	-6.18	24.77	24.82	24.80	25.32
	3 TX Slots	29.4 6	29.5 2	29.4 3	30.00	-4.42	25.04	25.10	25.01	25.58
	4 TX Slots	27.9 9	27.9 9	27.9 6	28.50	-3.17	24.82	24.82	24.79	25.33
EGPRS(8PSK)	1 TX Slot	25.9 7	26.0 1	25.9 5	26.50	-9.19	16.78	16.82	16.76	17.31
	2 TX Slots	24.4 9	24.5	24.4 8	25.00	-6.18	18.31	18.32	18.30	18.82
	3 TX Slots	23.0 1	22.9 8	22.9 6	23.50	-4.42	18.59	18.56	18.54	19.08
	4 TX Slots	21.5 1	21.5 1	21.4 6	22.00	-3.17	18.34	18.34	18.29	18.83



**1.1.2. Conducted Power Measurement Results(PCS1900)**

GSM 1900										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		512	661	810			512	661	810	
GSM(GMSK)	GSM	29.65	29.74	29.67	30.00	-9.19	20.46	20.51	20.48	20.81
GPRS/EGPRS (GMSK)	1 TX Slot	29.51	29.54	29.5	30.00	-9.19	20.32	20.35	20.31	20.81
	2 TX Slots	27.96	27.98	27.92	28.50	-6.18	21.78	21.80	21.74	22.32
	3 TX Slots	26.46	26.5	26.47	27.00	-4.42	22.04	22.08	22.05	22.58
	4 TX Slots	24.97	24.99	24.92	25.50	-3.17	21.80	21.82	21.75	22.33
EGPRS(8PSK)	1 TX Slot	25.49	25.48	25.46	26.00	-9.19	16.30	16.29	16.27	16.81
	2 TX Slots	23.96	24.01	23.93	24.50	-6.18	17.78	17.83	17.75	18.32
	3 TX Slots	22.45	22.49	22.43	23.00	-4.42	18.03	18.07	18.01	18.58
	4 TX Slots	20.97	20.99	20.93	21.50	-3.17	17.80	17.82	17.76	18.33

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	23.40	23.41	23.10	24.00
HSDPA	Sub -Test 1	22.72	22.80	22.62	23.00
	Sub -Test 2	22.52	22.68	22.57	23.00
	Sub -Test 3	22.47	22.62	22.37	23.00
	Sub -Test 4	22.45	22.52	22.41	23.00
HSUPA	Sub -Test 1	22.66	22.51	22.42	23.00
	Sub -Test 2	22.42	22.61	22.27	23.00
	Sub -Test 3	22.40	22.63	22.51	23.00
	Sub -Test 4	22.36	22.56	22.29	23.00
	Sub -Test 5	21.51	21.68	21.43	22.00



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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	23.02	23.12	23.12	24.00
HSDPA	Sub –Test 1	22.59	22.79	22.68	23.00
	Sub –Test 2	22.43	22.50	22.41	23.00
	Sub –Test 3	22.64	22.63	22.62	23.00
	Sub –Test 4	22.58	22.72	22.63	23.00
HSUPA	Sub –Test 1	22.43	22.55	22.45	23.00
	Sub –Test 2	22.43	22.70	22.59	23.00
	Sub –Test 3	22.43	22.47	22.63	23.00
	Sub –Test 4	22.59	22.65	22.35	23.00
	Sub –Test 5	21.23	21.45	21.42	22.00

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	22.75	22.97	22.69	24.00
HSDPA	Sub –Test 1	22.45	22.82	22.72	23.00
	Sub –Test 2	22.75	22.75	22.55	23.00
	Sub –Test 3	22.49	22.72	22.43	23.00
	Sub –Test 4	22.54	22.66	22.59	23.00
HSUPA	Sub –Test 1	22.44	22.57	22.54	23.00
	Sub –Test 2	22.37	22.62	22.57	23.00
	Sub –Test 3	22.36	22.64	22.57	23.00
	Sub –Test 4	21.59	21.56	21.58	22.00
	Sub –Test 5	21.66	21.06	21.67	22.00

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	23.48	24.00
Band2	1.4MHz	16QAM	18607	1RB#0	23.68	24.00
Band2	1.4MHz	QPSK	18607	1RB#2	23.56	24.00
Band2	1.4MHz	16QAM	18607	1RB#2	23.71	24.00
Band2	1.4MHz	QPSK	18607	1RB#5	23.50	24.00



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Band2	1.4MHz	16QAM	18607	1RB#5	23.62	24.00
Band2	1.4MHz	QPSK	18607	3RB#0	23.60	24.00
Band2	1.4MHz	16QAM	18607	3RB#0	22.37	23.00
Band2	1.4MHz	QPSK	18607	3RB#1	23.62	24.00
Band2	1.4MHz	16QAM	18607	3RB#1	22.34	23.00
Band2	1.4MHz	QPSK	18607	3RB#3	23.61	24.00
Band2	1.4MHz	16QAM	18607	3RB#3	22.38	23.00
Band2	1.4MHz	QPSK	18607	6RB#0	22.54	23.00
Band2	1.4MHz	16QAM	18607	6RB#0	21.90	22.00
Band2	1.4MHz	QPSK	18900	1RB#0	23.54	24.00
Band2	1.4MHz	16QAM	18900	1RB#0	23.48	24.00
Band2	1.4MHz	QPSK	18900	1RB#2	23.62	24.00
Band2	1.4MHz	16QAM	18900	1RB#2	23.58	24.00
Band2	1.4MHz	QPSK	18900	1RB#5	23.65	24.00
Band2	1.4MHz	16QAM	18900	1RB#5	23.53	24.00
Band2	1.4MHz	QPSK	18900	3RB#0	23.72	24.00
Band2	1.4MHz	16QAM	18900	3RB#0	22.46	23.00
Band2	1.4MHz	QPSK	18900	3RB#1	23.74	24.00
Band2	1.4MHz	16QAM	18900	3RB#1	22.43	23.00
Band2	1.4MHz	QPSK	18900	3RB#3	23.71	24.00
Band2	1.4MHz	16QAM	18900	3RB#3	22.48	23.00
Band2	1.4MHz	QPSK	18900	6RB#0	22.82	23.00
Band2	1.4MHz	16QAM	18900	6RB#0	21.83	22.00
Band2	1.4MHz	QPSK	19193	1RB#0	23.32	24.00
Band2	1.4MHz	16QAM	19193	1RB#0	23.02	24.00
Band2	1.4MHz	QPSK	19193	1RB#2	23.31	24.00
Band2	1.4MHz	16QAM	19193	1RB#2	23.08	24.00
Band2	1.4MHz	QPSK	19193	1RB#5	23.31	24.00
Band2	1.4MHz	16QAM	19193	1RB#5	22.90	23.00
Band2	1.4MHz	QPSK	19193	3RB#0	23.42	24.00
Band2	1.4MHz	16QAM	19193	3RB#0	21.93	22.00
Band2	1.4MHz	QPSK	19193	3RB#1	23.43	24.00
Band2	1.4MHz	16QAM	19193	3RB#1	21.98	22.00
Band2	1.4MHz	QPSK	19193	3RB#3	23.38	24.00
Band2	1.4MHz	16QAM	19193	3RB#3	22.02	23.00
Band2	1.4MHz	QPSK	19193	6RB#0	22.39	23.00
Band2	1.4MHz	16QAM	19193	6RB#0	21.50	22.00
Band2	3MHz	QPSK	18615	1RB#0	23.48	24.00
Band2	3MHz	16QAM	18615	1RB#0	23.11	24.00
Band2	3MHz	QPSK	18615	1RB#8	23.48	24.00



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Band2	3MHz	16QAM	18615	1RB#8	23.08	24.00
Band2	3MHz	QPSK	18615	1RB#14	23.42	24.00
Band2	3MHz	16QAM	18615	1RB#14	23.02	24.00
Band2	3MHz	QPSK	18615	8RB#0	22.63	23.00
Band2	3MHz	16QAM	18615	8RB#0	21.87	22.00
Band2	3MHz	QPSK	18615	8RB#4	22.51	23.00
Band2	3MHz	16QAM	18615	8RB#4	21.77	22.00
Band2	3MHz	QPSK	18615	8RB#7	22.56	23.00
Band2	3MHz	16QAM	18615	8RB#7	21.80	22.00
Band2	3MHz	QPSK	18615	15RB#0	22.54	23.00
Band2	3MHz	16QAM	18615	15RB#0	21.59	22.00
Band2	3MHz	QPSK	18900	1RB#0	23.62	24.00
Band2	3MHz	16QAM	18900	1RB#0	23.10	24.00
Band2	3MHz	QPSK	18900	1RB#8	23.71	24.00
Band2	3MHz	16QAM	18900	1RB#8	23.05	24.00
Band2	3MHz	QPSK	18900	1RB#14	23.71	24.00
Band2	3MHz	16QAM	18900	1RB#14	23.04	24.00
Band2	3MHz	QPSK	18900	8RB#0	22.81	23.00
Band2	3MHz	16QAM	18900	8RB#0	21.90	22.00
Band2	3MHz	QPSK	18900	8RB#4	22.75	23.00
Band2	3MHz	16QAM	18900	8RB#4	21.92	22.00
Band2	3MHz	QPSK	18900	8RB#7	22.70	23.00
Band2	3MHz	16QAM	18900	8RB#7	22.05	23.00
Band2	3MHz	QPSK	18900	15RB#0	22.73	23.00
Band2	3MHz	16QAM	18900	15RB#0	21.90	22.00
Band2	3MHz	QPSK	19185	1RB#0	23.41	24.00
Band2	3MHz	16QAM	19185	1RB#0	22.66	23.00
Band2	3MHz	QPSK	19185	1RB#8	23.35	24.00
Band2	3MHz	16QAM	19185	1RB#8	22.73	23.00
Band2	3MHz	QPSK	19185	1RB#14	23.35	24.00
Band2	3MHz	16QAM	19185	1RB#14	22.79	23.00
Band2	3MHz	QPSK	19185	8RB#0	22.38	23.00
Band2	3MHz	16QAM	19185	8RB#0	21.65	22.00
Band2	3MHz	QPSK	19185	8RB#4	22.41	23.00
Band2	3MHz	16QAM	19185	8RB#4	21.66	22.00
Band2	3MHz	QPSK	19185	8RB#7	22.40	23.00
Band2	3MHz	16QAM	19185	8RB#7	21.66	22.00
Band2	3MHz	QPSK	19185	15RB#0	22.44	23.00
Band2	3MHz	16QAM	19185	15RB#0	21.46	22.00
Band2	5MHz	QPSK	18625	1RB#0	23.72	24.00



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Band2	5MHz	16QAM	18625	1RB#0	22.46	23.00
Band2	5MHz	QPSK	18625	1RB#12	23.65	24.00
Band2	5MHz	16QAM	18625	1RB#12	22.39	23.00
Band2	5MHz	QPSK	18625	1RB#24	23.60	24.00
Band2	5MHz	16QAM	18625	1RB#24	22.41	23.00
Band2	5MHz	QPSK	18625	12RB#0	22.60	23.00
Band2	5MHz	16QAM	18625	12RB#0	21.67	22.00
Band2	5MHz	QPSK	18625	12RB#6	22.62	23.00
Band2	5MHz	16QAM	18625	12RB#6	21.68	22.00
Band2	5MHz	QPSK	18625	12RB#13	22.52	23.00
Band2	5MHz	16QAM	18625	12RB#13	21.54	22.00
Band2	5MHz	QPSK	18625	25RB#0	22.48	23.00
Band2	5MHz	16QAM	18625	25RB#0	21.73	22.00
Band2	5MHz	QPSK	18900	1RB#0	23.68	24.00
Band2	5MHz	16QAM	18900	1RB#0	22.65	23.00
Band2	5MHz	QPSK	18900	1RB#12	23.76	24.00
Band2	5MHz	16QAM	18900	1RB#12	22.72	23.00
Band2	5MHz	QPSK	18900	1RB#24	23.77	24.00
Band2	5MHz	16QAM	18900	1RB#24	22.77	23.00
Band2	5MHz	QPSK	18900	12RB#0	22.66	23.00
Band2	5MHz	16QAM	18900	12RB#0	21.78	22.00
Band2	5MHz	QPSK	18900	12RB#6	22.69	23.00
Band2	5MHz	16QAM	18900	12RB#6	21.79	22.00
Band2	5MHz	QPSK	18900	12RB#13	22.69	23.00
Band2	5MHz	16QAM	18900	12RB#13	21.90	22.00
Band2	5MHz	QPSK	18900	25RB#0	22.76	23.00
Band2	5MHz	16QAM	18900	25RB#0	22.00	23.00
Band2	5MHz	QPSK	19175	1RB#0	23.55	24.00
Band2	5MHz	16QAM	19175	1RB#0	22.55	23.00
Band2	5MHz	QPSK	19175	1RB#12	23.45	24.00
Band2	5MHz	16QAM	19175	1RB#12	22.36	23.00
Band2	5MHz	QPSK	19175	1RB#24	23.44	24.00
Band2	5MHz	16QAM	19175	1RB#24	22.38	23.00
Band2	5MHz	QPSK	19175	12RB#0	22.47	23.00
Band2	5MHz	16QAM	19175	12RB#0	21.60	22.00
Band2	5MHz	QPSK	19175	12RB#6	22.51	23.00
Band2	5MHz	16QAM	19175	12RB#6	21.62	22.00
Band2	5MHz	QPSK	19175	12RB#13	22.43	23.00
Band2	5MHz	16QAM	19175	12RB#13	21.55	22.00
Band2	5MHz	QPSK	19175	25RB#0	22.43	23.00



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Band2	5MHz	16QAM	19175	25RB#0	21.69	22.00
Band2	10MHz	QPSK	18650	1RB#0	23.55	24.00
Band2	10MHz	16QAM	18650	1RB#0	23.15	24.00
Band2	10MHz	QPSK	18650	1RB#24	23.48	24.00
Band2	10MHz	16QAM	18650	1RB#24	23.06	24.00
Band2	10MHz	QPSK	18650	1RB#49	23.46	24.00
Band2	10MHz	16QAM	18650	1RB#49	23.08	24.00
Band2	10MHz	QPSK	18650	25RB#0	22.45	23.00
Band2	10MHz	16QAM	18650	25RB#0	21.64	22.00
Band2	10MHz	QPSK	18650	25RB#12	22.62	23.00
Band2	10MHz	16QAM	18650	25RB#12	21.58	22.00
Band2	10MHz	QPSK	18650	25RB#25	22.43	23.00
Band2	10MHz	16QAM	18650	25RB#25	21.62	22.00
Band2	10MHz	QPSK	18650	50RB#0	22.56	23.00
Band2	10MHz	16QAM	18650	50RB#0	21.66	22.00
Band2	10MHz	QPSK	18900	1RB#0	23.56	24.00
Band2	10MHz	16QAM	18900	1RB#0	23.13	24.00
Band2	10MHz	QPSK	18900	1RB#24	23.63	24.00
Band2	10MHz	16QAM	18900	1RB#24	23.26	24.00
Band2	10MHz	QPSK	18900	1RB#49	23.78	24.00
Band2	10MHz	16QAM	18900	1RB#49	23.34	24.00
Band2	10MHz	QPSK	18900	25RB#0	22.78	23.00
Band2	10MHz	16QAM	18900	25RB#0	21.78	22.00
Band2	10MHz	QPSK	18900	25RB#12	22.70	23.00
Band2	10MHz	16QAM	18900	25RB#12	21.80	22.00
Band2	10MHz	QPSK	18900	25RB#25	22.84	23.00
Band2	10MHz	16QAM	18900	25RB#25	21.80	22.00
Band2	10MHz	QPSK	18900	50RB#0	22.84	23.00
Band2	10MHz	16QAM	18900	50RB#0	21.82	22.00
Band2	10MHz	QPSK	19150	1RB#0	23.47	24.00
Band2	10MHz	16QAM	19150	1RB#0	22.85	23.00
Band2	10MHz	QPSK	19150	1RB#24	23.40	24.00
Band2	10MHz	16QAM	19150	1RB#24	22.78	23.00
Band2	10MHz	QPSK	19150	1RB#49	23.36	24.00
Band2	10MHz	16QAM	19150	1RB#49	22.76	23.00
Band2	10MHz	QPSK	19150	25RB#0	22.52	23.00
Band2	10MHz	16QAM	19150	25RB#0	21.57	22.00
Band2	10MHz	QPSK	19150	25RB#12	22.57	23.00
Band2	10MHz	16QAM	19150	25RB#12	21.58	22.00
Band2	10MHz	QPSK	19150	25RB#25	22.39	23.00



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Band2	10MHz	16QAM	19150	25RB#25	21.55	22.00
Band2	10MHz	QPSK	19150	50RB#0	22.46	23.00
Band2	10MHz	16QAM	19150	50RB#0	21.65	22.00
Band2	15MHz	QPSK	18675	1RB#0	23.58	24.00
Band2	15MHz	16QAM	18675	1RB#0	23.12	24.00
Band2	15MHz	QPSK	18675	1RB#38	23.44	24.00
Band2	15MHz	16QAM	18675	1RB#38	23.02	24.00
Band2	15MHz	QPSK	18675	1RB#74	23.41	24.00
Band2	15MHz	16QAM	18675	1RB#74	22.99	23.00
Band2	15MHz	QPSK	18675	38RB#0	22.56	23.00
Band2	15MHz	16QAM	18675	38RB#0	22.56	23.00
Band2	15MHz	QPSK	18675	38RB#18	22.56	23.00
Band2	15MHz	16QAM	18675	38RB#18	22.56	23.00
Band2	15MHz	QPSK	18675	38RB#37	22.57	23.00
Band2	15MHz	16QAM	18675	38RB#37	22.56	23.00
Band2	15MHz	QPSK	18675	75RB#0	22.57	23.00
Band2	15MHz	16QAM	18675	75RB#0	21.61	22.00
Band2	15MHz	QPSK	18900	1RB#0	23.49	24.00
Band2	15MHz	16QAM	18900	1RB#0	23.19	24.00
Band2	15MHz	QPSK	18900	1RB#38	23.70	24.00
Band2	15MHz	16QAM	18900	1RB#38	23.33	24.00
Band2	15MHz	QPSK	18900	1RB#74	23.81	24.00
Band2	15MHz	16QAM	18900	1RB#74	23.54	24.00
Band2	15MHz	QPSK	18900	38RB#0	22.86	23.00
Band2	15MHz	16QAM	18900	38RB#0	22.77	23.00
Band2	15MHz	QPSK	18900	38RB#18	22.78	23.00
Band2	15MHz	16QAM	18900	38RB#18	22.77	23.00
Band2	15MHz	QPSK	18900	38RB#37	22.77	23.00
Band2	15MHz	16QAM	18900	38RB#37	22.77	23.00
Band2	15MHz	QPSK	18900	75RB#0	22.76	23.00
Band2	15MHz	16QAM	18900	75RB#0	21.82	22.00
Band2	15MHz	QPSK	19125	1RB#0	23.67	24.00
Band2	15MHz	16QAM	19125	1RB#0	23.20	24.00
Band2	15MHz	QPSK	19125	1RB#38	23.45	24.00
Band2	15MHz	16QAM	19125	1RB#38	23.04	24.00
Band2	15MHz	QPSK	19125	1RB#74	23.30	24.00
Band2	15MHz	16QAM	19125	1RB#74	22.93	23.00
Band2	15MHz	QPSK	19125	38RB#0	22.62	23.00
Band2	15MHz	16QAM	19125	38RB#0	22.54	23.00
Band2	15MHz	QPSK	19125	38RB#18	22.54	23.00



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Band2	15MHz	16QAM	19125	38RB#18	22.53	23.00
Band2	15MHz	QPSK	19125	38RB#37	22.53	23.00
Band2	15MHz	16QAM	19125	38RB#37	22.54	23.00
Band2	15MHz	QPSK	19125	75RB#0	22.54	23.00
Band2	15MHz	16QAM	19125	75RB#0	21.59	22.00
Band2	20MHz	QPSK	18700	1RB#0	23.87	24.00
Band2	20MHz	16QAM	18700	1RB#0	23.07	24.00
Band2	20MHz	QPSK	18700	1RB#49	23.71	24.00
Band2	20MHz	16QAM	18700	1RB#49	22.89	23.00
Band2	20MHz	QPSK	18700	1RB#99	23.58	24.00
Band2	20MHz	16QAM	18700	1RB#99	22.94	23.00
Band2	20MHz	QPSK	18700	50RB#0	22.46	23.00
Band2	20MHz	16QAM	18700	50RB#0	21.72	22.00
Band2	20MHz	QPSK	18700	50RB#25	22.61	23.00
Band2	20MHz	16QAM	18700	50RB#25	21.73	22.00
Band2	20MHz	QPSK	18700	50RB#50	22.47	23.00
Band2	20MHz	16QAM	18700	50RB#50	21.58	22.00
Band2	20MHz	QPSK	18700	100RB#0	22.51	23.00
Band2	20MHz	16QAM	18700	100RB#0	21.59	22.00
Band2	20MHz	QPSK	18900	1RB#0	23.62	24.00
Band2	20MHz	16QAM	18900	1RB#0	23.32	24.00
Band2	20MHz	QPSK	18900	1RB#49	23.74	24.00
Band2	20MHz	16QAM	18900	1RB#49	23.43	24.00
Band2	20MHz	QPSK	18900	1RB#99	24.07	25.00
Band2	20MHz	16QAM	18900	1RB#99	23.60	24.00
Band2	20MHz	QPSK	18900	50RB#0	22.63	23.00
Band2	20MHz	16QAM	18900	50RB#0	21.77	22.00
Band2	20MHz	QPSK	18900	50RB#25	22.56	23.00
Band2	20MHz	16QAM	18900	50RB#25	21.80	22.00
Band2	20MHz	QPSK	18900	50RB#50	22.86	23.00
Band2	20MHz	16QAM	18900	50RB#50	22.02	23.00
Band2	20MHz	QPSK	18900	100RB#0	22.88	23.00
Band2	20MHz	16QAM	18900	100RB#0	21.85	22.00
Band2	20MHz	QPSK	19100	1RB#0	24.11	25.00
Band2	20MHz	16QAM	19100	1RB#0	23.26	24.00
Band2	20MHz	QPSK	19100	1RB#49	23.80	24.00
Band2	20MHz	16QAM	19100	1RB#49	23.07	24.00
Band2	20MHz	QPSK	19100	1RB#99	23.62	24.00
Band2	20MHz	16QAM	19100	1RB#99	22.87	23.00
Band2	20MHz	QPSK	19100	50RB#0	22.72	23.00



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Band2	20MHz	16QAM	19100	50RB#0	21.97	22.00
Band2	20MHz	QPSK	19100	50RB#25	22.79	23.00
Band2	20MHz	16QAM	19100	50RB#25	22.00	23.00
Band2	20MHz	QPSK	19100	50RB#50	22.58	23.00
Band2	20MHz	16QAM	19100	50RB#50	21.66	22.00
Band2	20MHz	QPSK	19100	100RB#0	22.62	23.00
Band2	20MHz	16QAM	19100	100RB#0	21.75	22.00

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	22.96	23.00
Band4	1.4MHz	16QAM	19957	1RB#0	22.28	23.00
Band4	1.4MHz	QPSK	19957	1RB#2	22.79	23.00
Band4	1.4MHz	16QAM	19957	1RB#2	22.25	23.00
Band4	1.4MHz	QPSK	19957	1RB#5	22.84	23.00
Band4	1.4MHz	16QAM	19957	1RB#5	22.27	23.00
Band4	1.4MHz	QPSK	19957	3RB#0	22.99	23.00
Band4	1.4MHz	16QAM	19957	3RB#0	21.79	22.00
Band4	1.4MHz	QPSK	19957	3RB#1	23.06	24.00
Band4	1.4MHz	16QAM	19957	3RB#1	21.85	22.00
Band4	1.4MHz	QPSK	19957	3RB#3	23.06	24.00
Band4	1.4MHz	16QAM	19957	3RB#3	21.83	22.00
Band4	1.4MHz	QPSK	19957	6RB#0	22.12	23.00
Band4	1.4MHz	16QAM	19957	6RB#0	21.54	22.00
Band4	1.4MHz	QPSK	20175	1RB#0	23.04	24.00
Band4	1.4MHz	16QAM	20175	1RB#0	21.7	22.00
Band4	1.4MHz	QPSK	20175	1RB#2	23.1	24.00
Band4	1.4MHz	16QAM	20175	1RB#2	21.64	22.00
Band4	1.4MHz	QPSK	20175	1RB#5	23.03	24.00
Band4	1.4MHz	16QAM	20175	1RB#5	21.7	22.00
Band4	1.4MHz	QPSK	20175	3RB#0	23.07	24.00
Band4	1.4MHz	16QAM	20175	3RB#0	21.93	22.00
Band4	1.4MHz	QPSK	20175	3RB#1	23.14	24.00
Band4	1.4MHz	16QAM	20175	3RB#1	22.44	23.00
Band4	1.4MHz	QPSK	20175	3RB#3	23.15	24.00
Band4	1.4MHz	16QAM	20175	3RB#3	22.43	23.00
Band4	1.4MHz	QPSK	20175	6RB#0	22.21	23.00
Band4	1.4MHz	16QAM	20175	6RB#0	21.37	22.00
Band4	1.4MHz	QPSK	20393	1RB#0	22.93	23.00



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Band4	1.4MHz	16QAM	20393	1RB#0	22.21	23.00
Band4	1.4MHz	QPSK	20393	1RB#2	22.89	23.00
Band4	1.4MHz	16QAM	20393	1RB#2	22.23	23.00
Band4	1.4MHz	QPSK	20393	1RB#5	22.86	23.00
Band4	1.4MHz	16QAM	20393	1RB#5	22.41	23.00
Band4	1.4MHz	QPSK	20393	3RB#0	23.13	24.00
Band4	1.4MHz	16QAM	20393	3RB#0	22.04	23.00
Band4	1.4MHz	QPSK	20393	3RB#1	23.13	24.00
Band4	1.4MHz	16QAM	20393	3RB#1	22.03	23.00
Band4	1.4MHz	QPSK	20393	3RB#3	23.19	24.00
Band4	1.4MHz	16QAM	20393	3RB#3	21.96	22.00
Band4	1.4MHz	QPSK	20393	6RB#0	22.14	23.00
Band4	1.4MHz	16QAM	20393	6RB#0	21.39	22.00
Band4	3MHz	QPSK	19965	1RB#0	23.05	24.00
Band4	3MHz	16QAM	19965	1RB#0	22.28	23.00
Band4	3MHz	QPSK	19965	1RB#8	23.1	24.00
Band4	3MHz	16QAM	19965	1RB#8	22.37	23.00
Band4	3MHz	QPSK	19965	1RB#14	23.05	24.00
Band4	3MHz	16QAM	19965	1RB#14	22.35	23.00
Band4	3MHz	QPSK	19965	8RB#0	22.34	23.00
Band4	3MHz	16QAM	19965	8RB#0	21.67	22.00
Band4	3MHz	QPSK	19965	8RB#4	22.37	23.00
Band4	3MHz	16QAM	19965	8RB#4	21.66	22.00
Band4	3MHz	QPSK	19965	8RB#7	22.35	23.00
Band4	3MHz	16QAM	19965	8RB#7	21.62	22.00
Band4	3MHz	QPSK	19965	15RB#0	22.24	23.00
Band4	3MHz	16QAM	19965	15RB#0	21.55	22.00
Band4	3MHz	QPSK	20175	1RB#0	23.19	24.00
Band4	3MHz	16QAM	20175	1RB#0	21.83	22.00
Band4	3MHz	QPSK	20175	1RB#8	23.16	24.00
Band4	3MHz	16QAM	20175	1RB#8	21.79	22.00
Band4	3MHz	QPSK	20175	1RB#14	23.2	24.00
Band4	3MHz	16QAM	20175	1RB#14	21.75	22.00
Band4	3MHz	QPSK	20175	8RB#0	22.37	23.00
Band4	3MHz	16QAM	20175	8RB#0	21.7	22.00
Band4	3MHz	QPSK	20175	8RB#4	22.36	23.00
Band4	3MHz	16QAM	20175	8RB#4	21.69	22.00
Band4	3MHz	QPSK	20175	8RB#7	22.33	23.00
Band4	3MHz	16QAM	20175	8RB#7	21.75	22.00
Band4	3MHz	QPSK	20175	15RB#0	22.34	23.00



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Band4	3MHz	16QAM	20175	15RB#0	21.49	22.00
Band4	3MHz	QPSK	20385	1RB#0	23.07	24.00
Band4	3MHz	16QAM	20385	1RB#0	22.36	23.00
Band4	3MHz	QPSK	20385	1RB#8	23.06	24.00
Band4	3MHz	16QAM	20385	1RB#8	22.37	23.00
Band4	3MHz	QPSK	20385	1RB#14	23.06	24.00
Band4	3MHz	16QAM	20385	1RB#14	22.32	23.00
Band4	3MHz	QPSK	20385	8RB#0	22.23	23.00
Band4	3MHz	16QAM	20385	8RB#0	21.51	22.00
Band4	3MHz	QPSK	20385	8RB#4	22.26	23.00
Band4	3MHz	16QAM	20385	8RB#4	21.48	22.00
Band4	3MHz	QPSK	20385	8RB#7	22.15	23.00
Band4	3MHz	16QAM	20385	8RB#7	21.49	22.00
Band4	3MHz	QPSK	20385	15RB#0	22.22	23.00
Band4	3MHz	16QAM	20385	15RB#0	21.37	22.00
Band4	5MHz	QPSK	19975	1RB#0	23.21	24.00
Band4	5MHz	16QAM	19975	1RB#0	21.88	22.00
Band4	5MHz	QPSK	19975	1RB#12	23.14	24.00
Band4	5MHz	16QAM	19975	1RB#12	21.84	22.00
Band4	5MHz	QPSK	19975	1RB#24	23.17	24.00
Band4	5MHz	16QAM	19975	1RB#24	21.81	22.00
Band4	5MHz	QPSK	19975	12RB#0	22.38	23.00
Band4	5MHz	16QAM	19975	12RB#0	21.56	22.00
Band4	5MHz	QPSK	19975	12RB#6	22.39	23.00
Band4	5MHz	16QAM	19975	12RB#6	21.56	22.00
Band4	5MHz	QPSK	19975	12RB#13	22.29	23.00
Band4	5MHz	16QAM	19975	12RB#13	21.49	22.00
Band4	5MHz	QPSK	19975	25RB#0	22.38	23.00
Band4	5MHz	16QAM	19975	25RB#0	21.63	22.00
Band4	5MHz	QPSK	20175	1RB#0	23.35	24.00
Band4	5MHz	16QAM	20175	1RB#0	22.3	23.00
Band4	5MHz	QPSK	20175	1RB#12	23.32	24.00
Band4	5MHz	16QAM	20175	1RB#12	22.32	23.00
Band4	5MHz	QPSK	20175	1RB#24	23.28	24.00
Band4	5MHz	16QAM	20175	1RB#24	22.3	23.00
Band4	5MHz	QPSK	20175	12RB#0	22.49	23.00
Band4	5MHz	16QAM	20175	12RB#0	21.6	22.00
Band4	5MHz	QPSK	20175	12RB#6	22.38	23.00
Band4	5MHz	16QAM	20175	12RB#6	21.67	22.00
Band4	5MHz	QPSK	20175	12RB#13	22.49	23.00



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Band4	5MHz	16QAM	20175	12RB#13	21.67	22.00
Band4	5MHz	QPSK	20175	25RB#0	22.47	23.00
Band4	5MHz	16QAM	20175	25RB#0	21.69	22.00
Band4	5MHz	QPSK	20375	1RB#0	23.12	24.00
Band4	5MHz	16QAM	20375	1RB#0	21.87	22.00
Band4	5MHz	QPSK	20375	1RB#12	23.14	24.00
Band4	5MHz	16QAM	20375	1RB#12	21.91	22.00
Band4	5MHz	QPSK	20375	1RB#24	23.09	24.00
Band4	5MHz	16QAM	20375	1RB#24	21.92	22.00
Band4	5MHz	QPSK	20375	12RB#0	22.38	23.00
Band4	5MHz	16QAM	20375	12RB#0	21.35	22.00
Band4	5MHz	QPSK	20375	12RB#6	22.4	23.00
Band4	5MHz	16QAM	20375	12RB#6	21.46	22.00
Band4	5MHz	QPSK	20375	12RB#13	22.37	23.00
Band4	5MHz	16QAM	20375	12RB#13	21.43	22.00
Band4	5MHz	QPSK	20375	25RB#0	22.33	23.00
Band4	5MHz	16QAM	20375	25RB#0	21.47	22.00
Band4	10MHz	QPSK	20000	1RB#0	23.1	24.00
Band4	10MHz	16QAM	20000	1RB#0	22.33	23.00
Band4	10MHz	QPSK	20000	1RB#24	23.03	24.00
Band4	10MHz	16QAM	20000	1RB#24	22.33	23.00
Band4	10MHz	QPSK	20000	1RB#49	23.07	24.00
Band4	10MHz	16QAM	20000	1RB#49	22.27	23.00
Band4	10MHz	QPSK	20000	25RB#0	22.39	23.00
Band4	10MHz	16QAM	20000	25RB#0	21.54	22.00
Band4	10MHz	QPSK	20000	25RB#12	22.32	23.00
Band4	10MHz	16QAM	20000	25RB#12	21.46	22.00
Band4	10MHz	QPSK	20000	25RB#25	22.26	23.00
Band4	10MHz	16QAM	20000	25RB#25	21.48	22.00
Band4	10MHz	QPSK	20000	50RB#0	22.38	23.00
Band4	10MHz	16QAM	20000	50RB#0	21.46	22.00
Band4	10MHz	QPSK	20175	1RB#0	23.22	24.00
Band4	10MHz	16QAM	20175	1RB#0	22.36	23.00
Band4	10MHz	QPSK	20175	1RB#24	23.27	24.00
Band4	10MHz	16QAM	20175	1RB#24	22.35	23.00
Band4	10MHz	QPSK	20175	1RB#49	23.19	24.00
Band4	10MHz	16QAM	20175	1RB#49	22.3	23.00
Band4	10MHz	QPSK	20175	25RB#0	22.42	23.00
Band4	10MHz	16QAM	20175	25RB#0	21.71	22.00
Band4	10MHz	QPSK	20175	25RB#12	22.41	23.00



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Band4	10MHz	16QAM	20175	25RB#12	21.7	22.00
Band4	10MHz	QPSK	20175	25RB#25	22.36	23.00
Band4	10MHz	16QAM	20175	25RB#25	21.73	22.00
Band4	10MHz	QPSK	20175	50RB#0	22.42	23.00
Band4	10MHz	16QAM	20175	50RB#0	21.58	22.00
Band4	10MHz	QPSK	20350	1RB#0	22.95	23.00
Band4	10MHz	16QAM	20350	1RB#0	22.88	23.00
Band4	10MHz	QPSK	20350	1RB#24	22.93	23.00
Band4	10MHz	16QAM	20350	1RB#24	22.75	23.00
Band4	10MHz	QPSK	20350	1RB#49	22.97	23.00
Band4	10MHz	16QAM	20350	1RB#49	22.83	23.00
Band4	10MHz	QPSK	20350	25RB#0	22.31	23.00
Band4	10MHz	16QAM	20350	25RB#0	21.5	22.00
Band4	10MHz	QPSK	20350	25RB#12	22.33	23.00
Band4	10MHz	16QAM	20350	25RB#12	21.51	22.00
Band4	10MHz	QPSK	20350	25RB#25	22.29	23.00
Band4	10MHz	16QAM	20350	25RB#25	21.54	22.00
Band4	10MHz	QPSK	20350	50RB#0	22.25	23.00
Band4	10MHz	16QAM	20350	50RB#0	21.54	22.00
Band4	15MHz	QPSK	20025	1RB#0	23.1	24.00
Band4	15MHz	16QAM	20025	1RB#0	22.37	23.00
Band4	15MHz	QPSK	20025	1RB#38	23.02	24.00
Band4	15MHz	16QAM	20025	1RB#38	22.32	23.00
Band4	15MHz	QPSK	20025	1RB#74	23.03	24.00
Band4	15MHz	16QAM	20025	1RB#74	22.36	23.00
Band4	15MHz	QPSK	20025	38RB#0	22.37	23.00
Band4	15MHz	16QAM	20025	38RB#0	22.33	23.00
Band4	15MHz	QPSK	20025	38RB#18	22.36	23.00
Band4	15MHz	16QAM	20025	38RB#18	22.36	23.00
Band4	15MHz	QPSK	20025	38RB#37	22.35	23.00
Band4	15MHz	16QAM	20025	38RB#37	22.35	23.00
Band4	15MHz	QPSK	20025	75RB#0	22.35	23.00
Band4	15MHz	16QAM	20025	75RB#0	21.55	22.00
Band4	15MHz	QPSK	20175	1RB#0	22.8	23.00
Band4	15MHz	16QAM	20175	1RB#0	22.37	23.00
Band4	15MHz	QPSK	20175	1RB#38	22.78	23.00
Band4	15MHz	16QAM	20175	1RB#38	22.41	23.00
Band4	15MHz	QPSK	20175	1RB#74	22.74	23.00
Band4	15MHz	16QAM	20175	1RB#74	22.16	23.00
Band4	15MHz	QPSK	20175	38RB#0	22.32	23.00



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Band4	15MHz	16QAM	20175	38RB#0	22.31	23.00
Band4	15MHz	QPSK	20175	38RB#18	22.31	23.00
Band4	15MHz	16QAM	20175	38RB#18	22.3	23.00
Band4	15MHz	QPSK	20175	38RB#37	22.3	23.00
Band4	15MHz	16QAM	20175	38RB#37	22.29	23.00
Band4	15MHz	QPSK	20175	75RB#0	22.29	23.00
Band4	15MHz	16QAM	20175	75RB#0	21.6	22.00
Band4	15MHz	QPSK	20325	1RB#0	22.99	23.00
Band4	15MHz	16QAM	20325	1RB#0	22.63	23.00
Band4	15MHz	QPSK	20325	1RB#38	22.97	23.00
Band4	15MHz	16QAM	20325	1RB#38	22.56	23.00
Band4	15MHz	QPSK	20325	1RB#74	22.97	23.00
Band4	15MHz	16QAM	20325	1RB#74	22.54	23.00
Band4	15MHz	QPSK	20325	38RB#0	22.29	23.00
Band4	15MHz	16QAM	20325	38RB#0	22.31	23.00
Band4	15MHz	QPSK	20325	38RB#18	22.32	23.00
Band4	15MHz	16QAM	20325	38RB#18	22.32	23.00
Band4	15MHz	QPSK	20325	38RB#37	22.32	23.00
Band4	15MHz	16QAM	20325	38RB#37	22.33	23.00
Band4	15MHz	QPSK	20325	75RB#0	22.33	23.00
Band4	15MHz	16QAM	20325	75RB#0	21.52	22.00
Band4	20MHz	QPSK	20050	1RB#0	23.46	24.00
Band4	20MHz	16QAM	20050	1RB#0	22.3	23.00
Band4	20MHz	QPSK	20050	1RB#49	23.4	24.00
Band4	20MHz	16QAM	20050	1RB#49	22.22	23.00
Band4	20MHz	QPSK	20050	1RB#99	23.41	24.00
Band4	20MHz	16QAM	20050	1RB#99	22.26	23.00
Band4	20MHz	QPSK	20050	50RB#0	22.34	23.00
Band4	20MHz	16QAM	20050	50RB#0	21.59	22.00
Band4	20MHz	QPSK	20050	50RB#25	22.37	23.00
Band4	20MHz	16QAM	20050	50RB#25	21.59	22.00
Band4	20MHz	QPSK	20050	50RB#50	22.35	23.00
Band4	20MHz	16QAM	20050	50RB#50	21.62	22.00
Band4	20MHz	QPSK	20050	100RB#0	22.25	23.00
Band4	20MHz	16QAM	20050	100RB#0	21.57	22.00
Band4	20MHz	QPSK	20175	1RB#0	23.25	24.00
Band4	20MHz	16QAM	20175	1RB#0	22.92	23.00
Band4	20MHz	QPSK	20175	1RB#49	23.18	24.00
Band4	20MHz	16QAM	20175	1RB#49	22.93	23.00
Band4	20MHz	QPSK	20175	1RB#99	23.1	24.00



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Band4	20MHz	16QAM	20175	1RB#99	22.89	23.00
Band4	20MHz	QPSK	20175	50RB#0	22.39	23.00
Band4	20MHz	16QAM	20175	50RB#0	21.69	22.00
Band4	20MHz	QPSK	20175	50RB#25	22.37	23.00
Band4	20MHz	16QAM	20175	50RB#25	21.68	22.00
Band4	20MHz	QPSK	20175	50RB#50	22.39	23.00
Band4	20MHz	16QAM	20175	50RB#50	21.67	22.00
Band4	20MHz	QPSK	20175	100RB#0	22.43	23.00
Band4	20MHz	16QAM	20175	100RB#0	21.71	22.00
Band4	20MHz	QPSK	20300	1RB#0	23.27	24.00
Band4	20MHz	16QAM	20300	1RB#0	22.03	23.00
Band4	20MHz	QPSK	20300	1RB#49	23.18	24.00
Band4	20MHz	16QAM	20300	1RB#49	21.98	22.00
Band4	20MHz	QPSK	20300	1RB#99	23.14	24.00
Band4	20MHz	16QAM	20300	1RB#99	21.85	22.00
Band4	20MHz	QPSK	20300	50RB#0	22.29	23.00
Band4	20MHz	16QAM	20300	50RB#0	21.73	22.00
Band4	20MHz	QPSK	20300	50RB#25	22.36	23.00
Band4	20MHz	16QAM	20300	50RB#25	21.72	22.00
Band4	20MHz	QPSK	20300	50RB#50	22.28	23.00
Band4	20MHz	16QAM	20300	50RB#50	21.62	22.00
Band4	20MHz	QPSK	20300	100RB#0	22.35	23.00
Band4	20MHz	16QAM	20300	100RB#0	21.47	22.00

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	20.61	21.00
Band5	1.4MHz	16QAM	20407	1RB#0	20.49	21.00
Band5	1.4MHz	QPSK	20407	1RB#2	20.29	21.00
Band5	1.4MHz	16QAM	20407	1RB#2	20.24	21.00
Band5	1.4MHz	QPSK	20407	1RB#5	20.43	21.00
Band5	1.4MHz	16QAM	20407	1RB#5	20.18	21.00
Band5	1.4MHz	QPSK	20407	3RB#0	20.63	21.00
Band5	1.4MHz	16QAM	20407	3RB#0	19.34	20.00
Band5	1.4MHz	QPSK	20407	3RB#1	20.52	21.00
Band5	1.4MHz	16QAM	20407	3RB#1	19.42	20.00
Band5	1.4MHz	QPSK	20407	3RB#3	20.55	21.00
Band5	1.4MHz	16QAM	20407	3RB#3	19.40	20.00
Band5	1.4MHz	QPSK	20407	6RB#0	19.59	20.00



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Band5	1.4MHz	16QAM	20407	6RB#0	18.81	19.00
Band5	1.4MHz	QPSK	20525	1RB#0	20.96	21.00
Band5	1.4MHz	16QAM	20525	1RB#0	20.71	21.00
Band5	1.4MHz	QPSK	20525	1RB#2	20.97	21.00
Band5	1.4MHz	16QAM	20525	1RB#2	20.78	21.00
Band5	1.4MHz	QPSK	20525	1RB#5	20.90	21.00
Band5	1.4MHz	16QAM	20525	1RB#5	20.68	21.00
Band5	1.4MHz	QPSK	20525	3RB#0	21.06	22.00
Band5	1.4MHz	16QAM	20525	3RB#0	19.62	20.00
Band5	1.4MHz	QPSK	20525	3RB#1	21.06	22.00
Band5	1.4MHz	16QAM	20525	3RB#1	19.59	20.00
Band5	1.4MHz	QPSK	20525	3RB#3	21.08	22.00
Band5	1.4MHz	16QAM	20525	3RB#3	19.91	20.00
Band5	1.4MHz	QPSK	20525	6RB#0	20.12	21.00
Band5	1.4MHz	16QAM	20525	6RB#0	19.35	20.00
Band5	1.4MHz	QPSK	20643	1RB#0	21.67	22.00
Band5	1.4MHz	16QAM	20643	1RB#0	20.51	21.00
Band5	1.4MHz	QPSK	20643	1RB#2	21.59	22.00
Band5	1.4MHz	16QAM	20643	1RB#2	20.58	21.00
Band5	1.4MHz	QPSK	20643	1RB#5	21.72	22.00
Band5	1.4MHz	16QAM	20643	1RB#5	20.52	21.00
Band5	1.4MHz	QPSK	20643	3RB#0	21.49	22.00
Band5	1.4MHz	16QAM	20643	3RB#0	20.21	21.00
Band5	1.4MHz	QPSK	20643	3RB#1	21.47	22.00
Band5	1.4MHz	16QAM	20643	3RB#1	20.21	21.00
Band5	1.4MHz	QPSK	20643	3RB#3	21.50	22.00
Band5	1.4MHz	16QAM	20643	3RB#3	20.19	21.00
Band5	1.4MHz	QPSK	20643	6RB#0	20.50	21.00
Band5	1.4MHz	16QAM	20643	6RB#0	19.56	20.00
Band5	3MHz	QPSK	20415	1RB#0	19.42	20.00
Band5	3MHz	16QAM	20415	1RB#0	19.75	20.00
Band5	3MHz	QPSK	20415	1RB#8	19.44	20.00
Band5	3MHz	16QAM	20415	1RB#8	19.73	20.00
Band5	3MHz	QPSK	20415	1RB#14	19.46	20.00
Band5	3MHz	16QAM	20415	1RB#14	19.81	20.00
Band5	3MHz	QPSK	20415	8RB#0	20.48	21.00
Band5	3MHz	16QAM	20415	8RB#0	19.63	20.00
Band5	3MHz	QPSK	20415	8RB#4	20.59	21.00
Band5	3MHz	16QAM	20415	8RB#4	19.66	20.00
Band5	3MHz	QPSK	20415	8RB#7	20.57	21.00



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Band5	3MHz	16QAM	20415	8RB#7	21.66	22.00
Band5	3MHz	QPSK	20415	15RB#0	20.67	21.00
Band5	3MHz	16QAM	20415	15RB#0	19.55	20.00
Band5	3MHz	QPSK	20525	1RB#0	19.98	20.00
Band5	3MHz	16QAM	20525	1RB#0	19.81	20.00
Band5	3MHz	QPSK	20525	1RB#8	22.07	23.00
Band5	3MHz	16QAM	20525	1RB#8	21.85	22.00
Band5	3MHz	QPSK	20525	1RB#14	22.11	23.00
Band5	3MHz	16QAM	20525	1RB#14	21.92	22.00
Band5	3MHz	QPSK	20525	8RB#0	21.87	22.00
Band5	3MHz	16QAM	20525	8RB#0	20.15	21.00
Band5	3MHz	QPSK	20525	8RB#4	20.90	21.00
Band5	3MHz	16QAM	20525	8RB#4	20.17	21.00
Band5	3MHz	QPSK	20525	8RB#7	21.13	22.00
Band5	3MHz	16QAM	20525	8RB#7	21.33	22.00
Band5	3MHz	QPSK	20525	15RB#0	21.13	22.00
Band5	3MHz	16QAM	20525	15RB#0	20.01	21.00
Band5	3MHz	QPSK	20635	1RB#0	21.34	22.00
Band5	3MHz	16QAM	20635	1RB#0	22.06	23.00
Band5	3MHz	QPSK	20635	1RB#8	21.60	22.00
Band5	3MHz	16QAM	20635	1RB#8	22.36	23.00
Band5	3MHz	QPSK	20635	1RB#14	21.73	22.00
Band5	3MHz	16QAM	20635	1RB#14	21.51	22.00
Band5	3MHz	QPSK	20635	8RB#0	20.30	21.00
Band5	3MHz	16QAM	20635	8RB#0	20.51	21.00
Band5	3MHz	QPSK	20635	8RB#4	19.34	20.00
Band5	3MHz	16QAM	20635	8RB#4	19.43	20.00
Band5	3MHz	QPSK	20635	8RB#7	20.54	21.00
Band5	3MHz	16QAM	20635	8RB#7	21.62	22.00
Band5	3MHz	QPSK	20635	15RB#0	20.40	21.00
Band5	3MHz	16QAM	20635	15RB#0	21.53	22.00
Band5	5MHz	QPSK	20425	1RB#0	19.63	20.00
Band5	5MHz	16QAM	20425	1RB#0	20.36	21.00
Band5	5MHz	QPSK	20425	1RB#12	19.22	20.00
Band5	5MHz	16QAM	20425	1RB#12	20.34	21.00
Band5	5MHz	QPSK	20425	1RB#24	19.45	20.00
Band5	5MHz	16QAM	20425	1RB#24	20.24	21.00
Band5	5MHz	QPSK	20425	12RB#0	20.27	21.00
Band5	5MHz	16QAM	20425	12RB#0	21.59	22.00
Band5	5MHz	QPSK	20425	12RB#6	20.94	21.00



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Band5	5MHz	16QAM	20425	12RB#6	20.83	21.00
Band5	5MHz	QPSK	20425	12RB#13	21.01	22.00
Band5	5MHz	16QAM	20425	12RB#13	19.95	20.00
Band5	5MHz	QPSK	20425	25RB#0	21.91	22.00
Band5	5MHz	16QAM	20425	25RB#0	21.07	22.00
Band5	5MHz	QPSK	20525	1RB#0	20.34	21.00
Band5	5MHz	16QAM	20525	1RB#0	20.07	21.00
Band5	5MHz	QPSK	20525	1RB#12	20.44	21.00
Band5	5MHz	16QAM	20525	1RB#12	20.27	21.00
Band5	5MHz	QPSK	20525	1RB#24	20.70	21.00
Band5	5MHz	16QAM	20525	1RB#24	20.50	21.00
Band5	5MHz	QPSK	20525	12RB#0	21.49	22.00
Band5	5MHz	16QAM	20525	12RB#0	20.69	21.00
Band5	5MHz	QPSK	20525	12RB#6	21.64	22.00
Band5	5MHz	16QAM	20525	12RB#6	20.85	21.00
Band5	5MHz	QPSK	20525	12RB#13	20.96	21.00
Band5	5MHz	16QAM	20525	12RB#13	21.00	22.00
Band5	5MHz	QPSK	20525	25RB#0	19.80	20.00
Band5	5MHz	16QAM	20525	25RB#0	20.79	21.00
Band5	5MHz	QPSK	20625	1RB#0	21.17	22.00
Band5	5MHz	16QAM	20625	1RB#0	20.40	21.00
Band5	5MHz	QPSK	20625	1RB#12	21.36	22.00
Band5	5MHz	16QAM	20625	1RB#12	20.63	21.00
Band5	5MHz	QPSK	20625	1RB#24	21.44	22.00
Band5	5MHz	16QAM	20625	1RB#24	20.77	21.00
Band5	5MHz	QPSK	20625	12RB#0	20.25	21.00
Band5	5MHz	16QAM	20625	12RB#0	19.31	20.00
Band5	5MHz	QPSK	20625	12RB#6	20.19	21.00
Band5	5MHz	16QAM	20625	12RB#6	19.21	20.00
Band5	5MHz	QPSK	20625	12RB#13	20.43	21.00
Band5	5MHz	16QAM	20625	12RB#13	19.39	20.00
Band5	5MHz	QPSK	20625	25RB#0	20.38	21.00
Band5	5MHz	16QAM	20625	25RB#0	19.50	20.00
Band5	10MHz	QPSK	20450	1RB#0	20.21	21.00
Band5	10MHz	16QAM	20450	1RB#0	20.43	21.00
Band5	10MHz	QPSK	20450	1RB#24	20.25	21.00
Band5	10MHz	16QAM	20450	1RB#24	20.41	21.00
Band5	10MHz	QPSK	20450	1RB#49	21.42	22.00
Band5	10MHz	16QAM	20450	1RB#49	22.69	23.00
Band5	10MHz	QPSK	20450	25RB#0	22.64	23.00



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Band5	10MHz	16QAM	20450	25RB#0	21.85	22.00
Band5	10MHz	QPSK	20450	25RB#12	22.67	23.00
Band5	10MHz	16QAM	20450	25RB#12	21.06	22.00
Band5	10MHz	QPSK	20450	25RB#25	22.84	23.00
Band5	10MHz	16QAM	20450	25RB#25	22.56	23.00
Band5	10MHz	QPSK	20450	50RB#0	21.68	22.00
Band5	10MHz	16QAM	20450	50RB#0	21.89	22.00
Band5	10MHz	QPSK	20525	1RB#0	21.92	22.00
Band5	10MHz	16QAM	20525	1RB#0	22.49	23.00
Band5	10MHz	QPSK	20525	1RB#24	21.86	22.00
Band5	10MHz	16QAM	20525	1RB#24	19.64	20.00
Band5	10MHz	QPSK	20525	1RB#49	21.88	22.00
Band5	10MHz	16QAM	20525	1RB#49	22.96	23.00
Band5	10MHz	QPSK	20525	25RB#0	22.12	23.00
Band5	10MHz	16QAM	20525	25RB#0	22.45	23.00
Band5	10MHz	QPSK	20525	25RB#12	21.24	22.00
Band5	10MHz	16QAM	20525	25RB#12	21.93	22.00
Band5	10MHz	QPSK	20525	25RB#25	22.74	23.00
Band5	10MHz	16QAM	20525	25RB#25	22.51	23.00
Band5	10MHz	QPSK	20525	50RB#0	21.67	22.00
Band5	10MHz	16QAM	20525	50RB#0	21.78	22.00
Band5	10MHz	QPSK	20600	1RB#0	21.94	22.00
Band5	10MHz	16QAM	20600	1RB#0	20.85	21.00
Band5	10MHz	QPSK	20600	1RB#24	22.96	23.00
Band5	10MHz	16QAM	20600	1RB#24	21.56	22.00
Band5	10MHz	QPSK	20600	1RB#49	21.85	22.00
Band5	10MHz	16QAM	20600	1RB#49	21.44	22.00
Band5	10MHz	QPSK	20600	25RB#0	22.27	23.00
Band5	10MHz	16QAM	20600	25RB#0	22.70	23.00
Band5	10MHz	QPSK	20600	25RB#12	22.50	23.00
Band5	10MHz	16QAM	20600	25RB#12	21.84	22.00
Band5	10MHz	QPSK	20600	25RB#25	22.68	23.00
Band5	10MHz	16QAM	20600	25RB#25	22.62	23.00
Band5	10MHz	QPSK	20600	50RB#0	21.85	22.00
Band5	10MHz	16QAM	20600	50RB#0	21.96	22.00

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	22.93	23.00



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Band7	5MHz	16QAM	20775	1RB#0	22.08	23.00
Band7	5MHz	QPSK	20775	1RB#12	22.99	23.00
Band7	5MHz	16QAM	20775	1RB#12	21.88	22.00
Band7	5MHz	QPSK	20775	1RB#24	22.69	23.00
Band7	5MHz	16QAM	20775	1RB#24	21.89	22.00
Band7	5MHz	QPSK	20775	12RB#0	21.85	22.00
Band7	5MHz	16QAM	20775	12RB#0	20.80	21.00
Band7	5MHz	QPSK	20775	12RB#6	21.85	22.00
Band7	5MHz	16QAM	20775	12RB#6	20.78	21.00
Band7	5MHz	QPSK	20775	12RB#13	21.97	22.00
Band7	5MHz	16QAM	20775	12RB#13	20.91	21.00
Band7	5MHz	QPSK	20775	25RB#0	21.78	22.00
Band7	5MHz	16QAM	20775	25RB#0	21.01	22.00
Band7	5MHz	QPSK	21100	1RB#0	22.07	23.00
Band7	5MHz	16QAM	21100	1RB#0	21.11	22.00
Band7	5MHz	QPSK	21100	1RB#12	22.03	23.00
Band7	5MHz	16QAM	21100	1RB#12	21.15	22.00
Band7	5MHz	QPSK	21100	1RB#24	22.13	23.00
Band7	5MHz	16QAM	21100	1RB#24	21.10	22.00
Band7	5MHz	QPSK	21100	12RB#0	21.08	22.00
Band7	5MHz	16QAM	21100	12RB#0	20.18	21.00
Band7	5MHz	QPSK	21100	12RB#6	21.08	22.00
Band7	5MHz	16QAM	21100	12RB#6	20.20	21.00
Band7	5MHz	QPSK	21100	12RB#13	21.08	22.00
Band7	5MHz	16QAM	21100	12RB#13	20.20	21.00
Band7	5MHz	QPSK	21100	25RB#0	21.09	22.00
Band7	5MHz	16QAM	21100	25RB#0	20.23	21.00
Band7	5MHz	QPSK	21425	1RB#0	21.51	22.00
Band7	5MHz	16QAM	21425	1RB#0	20.47	21.00
Band7	5MHz	QPSK	21425	1RB#12	21.52	22.00
Band7	5MHz	16QAM	21425	1RB#12	20.49	21.00
Band7	5MHz	QPSK	21425	1RB#24	21.42	22.00
Band7	5MHz	16QAM	21425	1RB#24	20.39	21.00
Band7	5MHz	QPSK	21425	12RB#0	20.44	21.00
Band7	5MHz	16QAM	21425	12RB#0	19.64	20.00
Band7	5MHz	QPSK	21425	12RB#6	20.50	21.00
Band7	5MHz	16QAM	21425	12RB#6	19.66	20.00
Band7	5MHz	QPSK	21425	12RB#13	20.39	21.00
Band7	5MHz	16QAM	21425	12RB#13	19.56	20.00
Band7	5MHz	QPSK	21425	25RB#0	20.47	21.00



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Band7	5MHz	16QAM	21425	25RB#0	19.66	20.00
Band7	10MHz	QPSK	20800	1RB#0	22.71	23.00
Band7	10MHz	16QAM	20800	1RB#0	22.22	23.00
Band7	10MHz	QPSK	20800	1RB#24	22.75	23.00
Band7	10MHz	16QAM	20800	1RB#24	22.10	23.00
Band7	10MHz	QPSK	20800	1RB#49	22.56	23.00
Band7	10MHz	16QAM	20800	1RB#49	21.94	22.00
Band7	10MHz	QPSK	20800	25RB#0	21.88	22.00
Band7	10MHz	16QAM	20800	25RB#0	20.89	21.00
Band7	10MHz	QPSK	20800	25RB#12	21.90	22.00
Band7	10MHz	16QAM	20800	25RB#12	20.90	21.00
Band7	10MHz	QPSK	20800	25RB#25	21.63	22.00
Band7	10MHz	16QAM	20800	25RB#25	20.80	21.00
Band7	10MHz	QPSK	20800	50RB#0	21.90	22.00
Band7	10MHz	16QAM	20800	50RB#0	20.91	21.00
Band7	10MHz	QPSK	21100	1RB#0	22.19	23.00
Band7	10MHz	16QAM	21100	1RB#0	21.56	22.00
Band7	10MHz	QPSK	21100	1RB#24	22.18	23.00
Band7	10MHz	16QAM	21100	1RB#24	21.66	22.00
Band7	10MHz	QPSK	21100	1RB#49	22.25	23.00
Band7	10MHz	16QAM	21100	1RB#49	21.66	22.00
Band7	10MHz	QPSK	21100	25RB#0	21.21	22.00
Band7	10MHz	16QAM	21100	25RB#0	20.41	21.00
Band7	10MHz	QPSK	21100	25RB#12	21.13	22.00
Band7	10MHz	16QAM	21100	25RB#12	20.31	21.00
Band7	10MHz	QPSK	21100	25RB#25	21.24	22.00
Band7	10MHz	16QAM	21100	25RB#25	20.40	21.00
Band7	10MHz	QPSK	21100	50RB#0	21.13	22.00
Band7	10MHz	16QAM	21100	50RB#0	20.27	21.00
Band7	10MHz	QPSK	21400	1RB#0	21.64	22.00
Band7	10MHz	16QAM	21400	1RB#0	21.35	22.00
Band7	10MHz	QPSK	21400	1RB#24	21.48	22.00
Band7	10MHz	16QAM	21400	1RB#24	21.28	22.00
Band7	10MHz	QPSK	21400	1RB#49	21.47	22.00
Band7	10MHz	16QAM	21400	1RB#49	21.20	22.00
Band7	10MHz	QPSK	21400	25RB#0	20.72	21.00
Band7	10MHz	16QAM	21400	25RB#0	19.88	20.00
Band7	10MHz	QPSK	21400	25RB#12	20.49	21.00
Band7	10MHz	16QAM	21400	25RB#12	19.91	20.00
Band7	10MHz	QPSK	21400	25RB#25	20.42	21.00



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Band7	10MHz	16QAM	21400	25RB#25	19.60	20.00
Band7	10MHz	QPSK	21400	50RB#0	20.87	21.00
Band7	10MHz	16QAM	21400	50RB#0	19.70	20.00
Band7	15MHz	QPSK	20825	1RB#0	22.71	23.00
Band7	15MHz	16QAM	20825	1RB#0	22.42	23.00
Band7	15MHz	QPSK	20825	1RB#38	22.59	23.00
Band7	15MHz	16QAM	20825	1RB#38	22.39	23.00
Band7	15MHz	QPSK	20825	1RB#74	22.28	23.00
Band7	15MHz	16QAM	20825	1RB#74	22.08	23.00
Band7	15MHz	QPSK	20825	38RB#0	21.66	22.00
Band7	15MHz	16QAM	20825	38RB#0	21.66	22.00
Band7	15MHz	QPSK	20825	38RB#18	21.66	22.00
Band7	15MHz	16QAM	20825	38RB#18	21.66	22.00
Band7	15MHz	QPSK	20825	38RB#37	21.66	22.00
Band7	15MHz	16QAM	20825	38RB#37	21.66	22.00
Band7	15MHz	QPSK	20825	75RB#0	21.66	22.00
Band7	15MHz	16QAM	20825	75RB#0	20.84	21.00
Band7	15MHz	QPSK	21100	1RB#0	21.84	22.00
Band7	15MHz	16QAM	21100	1RB#0	21.63	22.00
Band7	15MHz	QPSK	21100	1RB#38	21.85	22.00
Band7	15MHz	16QAM	21100	1RB#38	21.69	22.00
Band7	15MHz	QPSK	21100	1RB#74	21.76	22.00
Band7	15MHz	16QAM	21100	1RB#74	21.71	22.00
Band7	15MHz	QPSK	21100	38RB#0	21.07	22.00
Band7	15MHz	16QAM	21100	38RB#0	21.23	22.00
Band7	15MHz	QPSK	21100	38RB#18	21.23	22.00
Band7	15MHz	16QAM	21100	38RB#18	21.24	22.00
Band7	15MHz	QPSK	21100	38RB#37	21.15	22.00
Band7	15MHz	16QAM	21100	38RB#37	21.21	22.00
Band7	15MHz	QPSK	21100	75RB#0	21.16	22.00
Band7	15MHz	16QAM	21100	75RB#0	20.28	21.00
Band7	15MHz	QPSK	21375	1RB#0	21.79	22.00
Band7	15MHz	16QAM	21375	1RB#0	22.14	23.00
Band7	15MHz	QPSK	21375	1RB#38	21.52	22.00
Band7	15MHz	16QAM	21375	1RB#38	21.84	22.00
Band7	15MHz	QPSK	21375	1RB#74	21.48	22.00
Band7	15MHz	16QAM	21375	1RB#74	21.81	22.00
Band7	15MHz	QPSK	21375	38RB#0	20.65	21.00
Band7	15MHz	16QAM	21375	38RB#0	20.71	21.00
Band7	15MHz	QPSK	21375	38RB#18	20.72	21.00



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Band7	15MHz	16QAM	21375	38RB#18	20.74	21.00
Band7	15MHz	QPSK	21375	38RB#37	20.74	21.00
Band7	15MHz	16QAM	21375	38RB#37	20.74	21.00
Band7	15MHz	QPSK	21375	75RB#0	20.75	21.00
Band7	15MHz	16QAM	21375	75RB#0	19.80	20.00
Band7	20MHz	QPSK	20850	1RB#0	22.99	23.00
Band7	20MHz	16QAM	20850	1RB#0	22.09	23.00
Band7	20MHz	QPSK	20850	1RB#49	22.63	23.00
Band7	20MHz	16QAM	20850	1RB#49	21.84	22.00
Band7	20MHz	QPSK	20850	1RB#99	22.36	23.00
Band7	20MHz	16QAM	20850	1RB#99	21.64	22.00
Band7	20MHz	QPSK	20850	50RB#0	21.72	22.00
Band7	20MHz	16QAM	20850	50RB#0	20.91	21.00
Band7	20MHz	QPSK	20850	50RB#25	21.73	22.00
Band7	20MHz	16QAM	20850	50RB#25	20.90	21.00
Band7	20MHz	QPSK	20850	50RB#50	21.35	22.00
Band7	20MHz	16QAM	20850	50RB#50	20.50	21.00
Band7	20MHz	QPSK	20850	100RB#0	21.55	22.00
Band7	20MHz	16QAM	20850	100RB#0	20.61	21.00
Band7	20MHz	QPSK	21100	1RB#0	22.15	23.00
Band7	20MHz	16QAM	21100	1RB#0	22.18	23.00
Band7	20MHz	QPSK	21100	1RB#49	22.07	23.00
Band7	20MHz	16QAM	21100	1RB#49	22.17	23.00
Band7	20MHz	QPSK	21100	1RB#99	22.16	23.00
Band7	20MHz	16QAM	21100	1RB#99	22.13	23.00
Band7	20MHz	QPSK	21100	50RB#0	20.91	21.00
Band7	20MHz	16QAM	21100	50RB#0	20.13	21.00
Band7	20MHz	QPSK	21100	50RB#25	20.97	21.00
Band7	20MHz	16QAM	21100	50RB#25	20.18	21.00
Band7	20MHz	QPSK	21100	50RB#50	21.06	22.00
Band7	20MHz	16QAM	21100	50RB#50	20.33	21.00
Band7	20MHz	QPSK	21100	100RB#0	21.02	22.00
Band7	20MHz	16QAM	21100	100RB#0	20.28	21.00
Band7	20MHz	QPSK	21350	1RB#0	22.06	23.00
Band7	20MHz	16QAM	21350	1RB#0	21.35	22.00
Band7	20MHz	QPSK	21350	1RB#49	21.73	22.00
Band7	20MHz	16QAM	21350	1RB#49	21.10	22.00
Band7	20MHz	QPSK	21350	1RB#99	21.49	22.00
Band7	20MHz	16QAM	21350	1RB#99	20.89	21.00
Band7	20MHz	QPSK	21350	50RB#0	20.74	21.00



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Band7	20MHz	16QAM	21350	50RB#0	19.98	20.00
Band7	20MHz	QPSK	21350	50RB#25	20.92	21.00
Band7	20MHz	16QAM	21350	50RB#25	20.01	21.00
Band7	20MHz	QPSK	21350	50RB#50	20.51	21.00
Band7	20MHz	16QAM	21350	50RB#50	19.72	20.00
Band7	20MHz	QPSK	21350	100RB#0	20.64	21.00
Band7	20MHz	16QAM	21350	100RB#0	19.81	20.00

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	24.42	25.00
Band12	1.4MHz	16QAM	23017	1RB#0	23.64	24.00
Band12	1.4MHz	QPSK	23017	1RB#2	24.41	25.00
Band12	1.4MHz	16QAM	23017	1RB#2	23.64	24.00
Band12	1.4MHz	QPSK	23017	1RB#5	24.37	25.00
Band12	1.4MHz	16QAM	23017	1RB#5	23.67	24.00
Band12	1.4MHz	QPSK	23017	3RB#0	24.44	25.00
Band12	1.4MHz	16QAM	23017	3RB#0	23.01	24.00
Band12	1.4MHz	QPSK	23017	3RB#1	24.46	25.00
Band12	1.4MHz	16QAM	23017	3RB#1	23.03	24.00
Band12	1.4MHz	QPSK	23017	3RB#3	24.46	25.00
Band12	1.4MHz	16QAM	23017	3RB#3	23.01	24.00
Band12	1.4MHz	QPSK	23017	6RB#0	23.53	24.00
Band12	1.4MHz	16QAM	23017	6RB#0	23.00	24.00
Band12	1.4MHz	QPSK	23095	1RB#0	24.47	25.00
Band12	1.4MHz	16QAM	23095	1RB#0	23.39	24.00
Band12	1.4MHz	QPSK	23095	1RB#2	24.43	25.00
Band12	1.4MHz	16QAM	23095	1RB#2	23.39	24.00
Band12	1.4MHz	QPSK	23095	1RB#5	24.42	25.00
Band12	1.4MHz	16QAM	23095	1RB#5	23.58	24.00
Band12	1.4MHz	QPSK	23095	3RB#0	24.54	25.00
Band12	1.4MHz	16QAM	23095	3RB#0	23.33	24.00
Band12	1.4MHz	QPSK	23095	3RB#1	24.52	25.00
Band12	1.4MHz	16QAM	23095	3RB#1	23.43	24.00
Band12	1.4MHz	QPSK	23095	3RB#3	24.60	25.00
Band12	1.4MHz	16QAM	23095	3RB#3	23.36	24.00
Band12	1.4MHz	QPSK	23095	6RB#0	23.52	24.00
Band12	1.4MHz	16QAM	23095	6RB#0	22.77	23.00
Band12	1.4MHz	QPSK	23173	1RB#0	24.58	25.00



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Band12	1.4MHz	16QAM	23173	1RB#0	23.78	24.00
Band12	1.4MHz	QPSK	23173	1RB#2	24.49	25.00
Band12	1.4MHz	16QAM	23173	1RB#2	23.66	24.00
Band12	1.4MHz	QPSK	23173	1RB#5	24.56	25.00
Band12	1.4MHz	16QAM	23173	1RB#5	23.64	24.00
Band12	1.4MHz	QPSK	23173	3RB#0	24.58	25.00
Band12	1.4MHz	16QAM	23173	3RB#0	23.22	24.00
Band12	1.4MHz	QPSK	23173	3RB#1	24.57	25.00
Band12	1.4MHz	16QAM	23173	3RB#1	23.21	24.00
Band12	1.4MHz	QPSK	23173	3RB#3	24.59	25.00
Band12	1.4MHz	16QAM	23173	3RB#3	23.17	24.00
Band12	1.4MHz	QPSK	23173	6RB#0	23.46	24.00
Band12	1.4MHz	16QAM	23173	6RB#0	22.65	23.00
Band12	3MHz	QPSK	23025	1RB#0	24.49	25.00
Band12	3MHz	16QAM	23025	1RB#0	23.28	24.00
Band12	3MHz	QPSK	23025	1RB#8	24.48	25.00
Band12	3MHz	16QAM	23025	1RB#8	23.19	24.00
Band12	3MHz	QPSK	23025	1RB#14	24.51	25.00
Band12	3MHz	16QAM	23025	1RB#14	23.29	24.00
Band12	3MHz	QPSK	23025	8RB#0	23.47	24.00
Band12	3MHz	16QAM	23025	8RB#0	23.08	24.00
Band12	3MHz	QPSK	23025	8RB#4	23.46	24.00
Band12	3MHz	16QAM	23025	8RB#4	23.08	24.00
Band12	3MHz	QPSK	23025	8RB#7	23.54	24.00
Band12	3MHz	16QAM	23025	8RB#7	23.04	24.00
Band12	3MHz	QPSK	23025	15RB#0	23.51	24.00
Band12	3MHz	16QAM	23025	15RB#0	22.97	23.00
Band12	3MHz	QPSK	23095	1RB#0	24.61	25.00
Band12	3MHz	16QAM	23095	1RB#0	22.90	23.00
Band12	3MHz	QPSK	23095	1RB#8	24.55	25.00
Band12	3MHz	16QAM	23095	1RB#8	23.00	24.00
Band12	3MHz	QPSK	23095	1RB#14	24.49	25.00
Band12	3MHz	16QAM	23095	1RB#14	22.95	23.00
Band12	3MHz	QPSK	23095	8RB#0	23.40	24.00
Band12	3MHz	16QAM	23095	8RB#0	23.13	24.00
Band12	3MHz	QPSK	23095	8RB#4	23.40	24.00
Band12	3MHz	16QAM	23095	8RB#4	23.11	24.00
Band12	3MHz	QPSK	23095	8RB#7	23.49	24.00
Band12	3MHz	16QAM	23095	8RB#7	22.61	23.00
Band12	3MHz	QPSK	23095	15RB#0	23.49	24.00



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Band12	3MHz	16QAM	23095	15RB#0	22.37	23.00
Band12	3MHz	QPSK	23165	1RB#0	24.54	25.00
Band12	3MHz	16QAM	23165	1RB#0	23.73	24.00
Band12	3MHz	QPSK	23165	1RB#8	24.58	25.00
Band12	3MHz	16QAM	23165	1RB#8	23.67	24.00
Band12	3MHz	QPSK	23165	1RB#14	24.50	25.00
Band12	3MHz	16QAM	23165	1RB#14	23.71	24.00
Band12	3MHz	QPSK	23165	8RB#0	23.46	24.00
Band12	3MHz	16QAM	23165	8RB#0	22.86	23.00
Band12	3MHz	QPSK	23165	8RB#4	23.56	24.00
Band12	3MHz	16QAM	23165	8RB#4	22.88	23.00
Band12	3MHz	QPSK	23165	8RB#7	23.29	24.00
Band12	3MHz	16QAM	23165	8RB#7	22.53	23.00
Band12	3MHz	QPSK	23165	15RB#0	23.48	24.00
Band12	5MHz	QPSK	23035	12RB#13	23.64	24.00
Band12	5MHz	16QAM	23035	12RB#13	22.96	23.00
Band12	5MHz	QPSK	23035	25RB#0	23.46	24.00
Band12	5MHz	16QAM	23035	25RB#0	23.08	24.00
Band12	5MHz	QPSK	23095	1RB#0	24.55	25.00
Band12	5MHz	16QAM	23095	1RB#0	23.57	24.00
Band12	5MHz	QPSK	23095	1RB#12	24.51	25.00
Band12	5MHz	16QAM	23095	1RB#12	23.58	24.00
Band12	5MHz	QPSK	23095	1RB#24	24.47	25.00
Band12	5MHz	16QAM	23095	1RB#24	23.66	24.00
Band12	5MHz	QPSK	23095	12RB#0	23.53	24.00
Band12	3MHz	16QAM	23165	15RB#0	22.82	23.00
Band12	5MHz	QPSK	23035	1RB#0	24.49	25.00
Band12	5MHz	16QAM	23035	1RB#0	22.89	23.00
Band12	5MHz	QPSK	23035	1RB#12	24.53	25.00
Band12	5MHz	16QAM	23035	1RB#12	22.98	23.00
Band12	5MHz	QPSK	23035	1RB#24	24.56	25.00
Band12	5MHz	16QAM	23035	1RB#24	22.78	23.00
Band12	5MHz	QPSK	23035	12RB#0	23.48	24.00
Band12	5MHz	16QAM	23035	12RB#0	22.98	23.00
Band12	5MHz	QPSK	23035	12RB#6	23.45	24.00
Band12	5MHz	16QAM	23035	12RB#6	22.93	23.00
Band12	5MHz	16QAM	23095	12RB#0	23.00	24.00
Band12	5MHz	QPSK	23095	12RB#6	23.47	24.00
Band12	5MHz	16QAM	23095	12RB#6	23.00	24.00
Band12	5MHz	QPSK	23095	12RB#13	23.49	24.00



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Band12	5MHz	16QAM	23095	12RB#13	22.47	23.00
Band12	5MHz	QPSK	23095	25RB#0	23.52	24.00
Band12	5MHz	16QAM	23095	25RB#0	22.53	23.00
Band12	5MHz	QPSK	23155	1RB#0	24.56	25.00
Band12	5MHz	16QAM	23155	1RB#0	22.93	23.00
Band12	5MHz	QPSK	23155	1RB#12	24.46	25.00
Band12	5MHz	16QAM	23155	1RB#12	23.04	24.00
Band12	5MHz	QPSK	23155	1RB#24	24.42	25.00
Band12	5MHz	16QAM	23155	1RB#24	23.02	24.00
Band12	5MHz	QPSK	23155	12RB#0	23.51	24.00
Band12	5MHz	16QAM	23155	12RB#0	22.36	23.00
Band12	5MHz	QPSK	23155	12RB#6	23.40	24.00
Band12	5MHz	16QAM	23155	12RB#6	22.37	23.00
Band12	5MHz	QPSK	23155	12RB#13	23.50	24.00
Band12	5MHz	16QAM	23155	12RB#13	22.84	23.00
Band12	5MHz	QPSK	23155	25RB#0	23.33	24.00
Band12	5MHz	16QAM	23155	25RB#0	22.86	23.00
Band12	10MHz	QPSK	23060	1RB#0	23.78	24.00
Band12	10MHz	16QAM	23060	1RB#0	22.98	23.00
Band12	10MHz	QPSK	23060	1RB#24	23.66	24.00
Band12	10MHz	16QAM	23060	1RB#24	22.93	23.00
Band12	10MHz	QPSK	23060	1RB#49	23.59	24.00
Band12	10MHz	16QAM	23060	1RB#49	22.90	23.00
Band12	10MHz	QPSK	23060	25RB#0	22.90	23.00
Band12	10MHz	16QAM	23060	25RB#0	22.00	23.00
Band12	10MHz	QPSK	23060	25RB#12	22.89	23.00
Band12	10MHz	16QAM	23060	25RB#12	21.98	22.00
Band12	10MHz	QPSK	23060	25RB#25	22.72	23.00
Band12	10MHz	16QAM	23060	25RB#25	21.94	22.00
Band12	10MHz	QPSK	23060	50RB#0	22.81	23.00
Band12	10MHz	16QAM	23060	50RB#0	22.00	23.00
Band12	10MHz	QPSK	23095	1RB#0	23.70	24.00
Band12	10MHz	16QAM	23095	1RB#0	22.93	23.00
Band12	10MHz	QPSK	23095	1RB#24	23.57	24.00
Band12	10MHz	16QAM	23095	1RB#24	22.93	23.00
Band12	10MHz	QPSK	23095	1RB#49	23.45	24.00
Band12	10MHz	16QAM	23095	1RB#49	22.50	23.00
Band12	10MHz	QPSK	23095	25RB#0	22.80	23.00
Band12	10MHz	16QAM	23095	25RB#0	21.97	22.00
Band12	10MHz	QPSK	23095	25RB#12	22.81	23.00



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Band12	10MHz	16QAM	23095	25RB#12	21.97	22.00
Band12	10MHz	QPSK	23095	25RB#25	22.63	23.00
Band12	10MHz	16QAM	23095	25RB#25	21.80	22.00
Band12	10MHz	QPSK	23095	50RB#0	22.72	23.00
Band12	10MHz	16QAM	23095	50RB#0	21.95	22.00
Band12	10MHz	QPSK	23130	1RB#0	23.79	24.00
Band12	10MHz	16QAM	23130	1RB#0	22.78	23.00
Band12	10MHz	QPSK	23130	1RB#24	23.82	24.00
Band12	10MHz	16QAM	23130	1RB#24	22.66	23.00
Band12	10MHz	QPSK	23130	1RB#49	23.76	24.00
Band12	10MHz	16QAM	23130	1RB#49	22.66	23.00
Band12	10MHz	QPSK	23130	25RB#0	22.79	23.00
Band12	10MHz	16QAM	23130	25RB#0	21.98	22.00
Band12	10MHz	QPSK	23130	25RB#12	22.79	23.00
Band12	10MHz	16QAM	23130	25RB#12	21.98	22.00
Band12	10MHz	QPSK	23130	25RB#25	22.81	23.00
Band12	10MHz	16QAM	23130	25RB#25	21.98	22.00
Band12	10MHz	QPSK	23130	50RB#0	22.71	23.00
Band12	10MHz	16QAM	23130	50RB#0	21.87	22.00

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	23.81	24.00
Band17	5MHz	16QAM	23755	1RB#0	22.52	23.00
Band17	5MHz	QPSK	23755	1RB#12	23.71	24.00
Band17	5MHz	16QAM	23755	1RB#12	22.46	23.00
Band17	5MHz	QPSK	23755	1RB#24	23.71	24.00
Band17	5MHz	16QAM	23755	1RB#24	22.47	23.00
Band17	5MHz	QPSK	23755	12RB#0	22.82	23.00
Band17	5MHz	16QAM	23755	12RB#0	21.83	22.00
Band17	5MHz	QPSK	23755	12RB#6	22.81	23.00
Band17	5MHz	16QAM	23755	12RB#6	21.82	22.00
Band17	5MHz	QPSK	23755	12RB#13	22.80	23.00
Band17	5MHz	16QAM	23755	12RB#13	21.80	22.00
Band17	5MHz	QPSK	23755	25RB#0	22.65	23.00
Band17	5MHz	16QAM	23755	25RB#0	21.83	22.00
Band17	5MHz	QPSK	23790	1RB#0	23.61	24.00
Band17	5MHz	16QAM	23790	1RB#0	22.27	23.00
Band17	5MHz	QPSK	23790	1RB#12	23.54	24.00



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Band17	5MHz	16QAM	23790	1RB#12	22.15	23.00
Band17	5MHz	QPSK	23790	1RB#24	23.51	24.00
Band17	5MHz	16QAM	23790	1RB#24	22.22	23.00
Band17	5MHz	QPSK	23790	12RB#0	22.70	23.00
Band17	5MHz	16QAM	23790	12RB#0	21.77	22.00
Band17	5MHz	QPSK	23790	12RB#6	22.75	23.00
Band17	5MHz	16QAM	23790	12RB#6	21.76	22.00
Band17	5MHz	QPSK	23790	12RB#13	22.65	23.00
Band17	5MHz	16QAM	23790	12RB#13	21.81	22.00
Band17	5MHz	QPSK	23790	25RB#0	22.70	23.00
Band17	5MHz	16QAM	23790	25RB#0	21.90	22.00
Band17	5MHz	QPSK	23825	1RB#0	23.53	24.00
Band17	5MHz	16QAM	23825	1RB#0	22.95	23.00
Band17	5MHz	QPSK	23825	1RB#12	23.44	24.00
Band17	5MHz	16QAM	23825	1RB#12	22.95	23.00
Band17	5MHz	QPSK	23825	1RB#24	23.71	24.00
Band17	5MHz	16QAM	23825	1RB#24	22.53	23.00
Band17	5MHz	QPSK	23825	12RB#0	22.75	23.00
Band17	5MHz	16QAM	23825	12RB#0	21.89	22.00
Band17	5MHz	QPSK	23825	12RB#6	22.74	23.00
Band17	5MHz	16QAM	23825	12RB#6	21.81	22.00
Band17	5MHz	QPSK	23825	12RB#13	22.71	23.00
Band17	5MHz	16QAM	23825	12RB#13	21.84	22.00
Band17	5MHz	QPSK	23825	25RB#0	22.64	23.00
Band17	5MHz	16QAM	23825	25RB#0	21.69	22.00
Band17	10MHz	QPSK	23780	1RB#0	23.61	24.00
Band17	10MHz	16QAM	23780	1RB#0	22.35	23.00
Band17	10MHz	QPSK	23780	1RB#24	23.36	24.00
Band17	10MHz	16QAM	23780	1RB#24	22.35	23.00
Band17	10MHz	QPSK	23780	1RB#49	23.30	24.00
Band17	10MHz	16QAM	23780	1RB#49	22.32	23.00
Band17	10MHz	QPSK	23780	25RB#0	22.41	23.00
Band17	10MHz	16QAM	23780	25RB#0	21.59	22.00
Band17	10MHz	QPSK	23780	25RB#12	22.75	23.00
Band17	10MHz	16QAM	23780	25RB#12	21.59	22.00
Band17	10MHz	QPSK	23780	25RB#25	22.59	23.00
Band17	10MHz	16QAM	23780	25RB#25	21.71	22.00
Band17	10MHz	QPSK	23780	50RB#0	22.60	23.00
Band17	10MHz	16QAM	23780	50RB#0	21.67	22.00
Band17	10MHz	QPSK	23790	1RB#0	23.70	24.00



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Band17	10MHz	16QAM	23790	1RB#0	22.59	23.00
Band17	10MHz	QPSK	23790	1RB#24	23.69	24.00
Band17	10MHz	16QAM	23790	1RB#24	22.57	23.00
Band17	10MHz	QPSK	23790	1RB#49	23.46	24.00
Band17	10MHz	16QAM	23790	1RB#49	21.89	22.00
Band17	10MHz	QPSK	23790	25RB#0	22.37	23.00
Band17	10MHz	16QAM	23790	25RB#0	21.82	22.00
Band17	10MHz	QPSK	23790	25RB#12	22.37	23.00
Band17	10MHz	16QAM	23790	25RB#12	21.81	22.00
Band17	10MHz	QPSK	23790	25RB#25	22.55	23.00
Band17	10MHz	16QAM	23790	25RB#25	21.73	22.00
Band17	10MHz	QPSK	23790	50RB#0	22.32	23.00
Band17	10MHz	16QAM	23790	50RB#0	21.70	22.00
Band17	10MHz	QPSK	23800	1RB#0	23.43	24.00
Band17	10MHz	16QAM	23800	1RB#0	23.31	24.00
Band17	10MHz	QPSK	23800	1RB#24	23.31	24.00
Band17	10MHz	16QAM	23800	1RB#24	23.34	24.00
Band17	10MHz	QPSK	23800	1RB#49	23.26	24.00
Band17	10MHz	16QAM	23800	1RB#49	23.17	24.00
Band17	10MHz	QPSK	23800	25RB#0	22.43	23.00
Band17	10MHz	16QAM	23800	25RB#0	21.70	22.00
Band17	10MHz	QPSK	23800	25RB#12	22.56	23.00
Band17	10MHz	16QAM	23800	25RB#12	21.71	22.00
Band17	10MHz	QPSK	23800	25RB#25	22.36	23.00
Band17	10MHz	16QAM	23800	25RB#25	21.81	22.00
Band17	10MHz	QPSK	23800	50RB#0	22.29	23.00
Band17	10MHz	16QAM	23800	50RB#0	21.66	22.00

1.1.12. Conducted Power Measurement Results(LTE Band 66)

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Tune up(dBm)
Band66	1.4MHz	QPSK	131979	1RB#0	20.71	21.00
Band66	1.4MHz	16QAM	131979	1RB#0	20.45	21.00
Band66	1.4MHz	QPSK	131979	1RB#2	20.77	21.00
Band66	1.4MHz	16QAM	131979	1RB#2	20.50	21.00
Band66	1.4MHz	QPSK	131979	1RB#5	20.83	21.00
Band66	1.4MHz	16QAM	131979	1RB#5	20.56	21.00
Band66	1.4MHz	QPSK	131979	3RB#0	20.87	21.00
Band66	1.4MHz	16QAM	131979	3RB#0	20.14	21.00
Band66	1.4MHz	QPSK	131979	3RB#1	20.86	21.00



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Band66	1.4MHz	16QAM	131979	3RB#1	20.12	21.00
Band66	1.4MHz	QPSK	131979	3RB#3	20.92	21.00
Band66	1.4MHz	16QAM	131979	3RB#3	20.12	21.00
Band66	1.4MHz	QPSK	131979	6RB#0	20.02	21.00
Band66	1.4MHz	16QAM	131979	6RB#0	19.31	20.00
Band66	1.4MHz	QPSK	132322	1RB#0	21.79	22.00
Band66	1.4MHz	16QAM	132322	1RB#0	21.49	22.00
Band66	1.4MHz	QPSK	132322	1RB#2	21.80	22.00
Band66	1.4MHz	16QAM	132322	1RB#2	21.49	22.00
Band66	1.4MHz	QPSK	132322	1RB#5	21.79	22.00
Band66	1.4MHz	16QAM	132322	1RB#5	21.44	22.00
Band66	1.4MHz	QPSK	132322	3RB#0	21.80	22.00
Band66	1.4MHz	16QAM	132322	3RB#0	20.36	21.00
Band66	1.4MHz	QPSK	132322	3RB#1	21.80	22.00
Band66	1.4MHz	16QAM	132322	3RB#1	21.05	22.00
Band66	1.4MHz	QPSK	132322	3RB#3	21.83	22.00
Band66	1.4MHz	16QAM	132322	3RB#3	21.09	22.00
Band66	1.4MHz	QPSK	132322	6RB#0	20.97	21.00
Band66	1.4MHz	16QAM	132322	6RB#0	20.23	21.00
Band66	1.4MHz	QPSK	132665	1RB#0	22.76	23.00
Band66	1.4MHz	16QAM	132665	1RB#0	22.15	23.00
Band66	1.4MHz	QPSK	132665	1RB#2	22.79	23.00
Band66	1.4MHz	16QAM	132665	1RB#2	22.11	23.00
Band66	1.4MHz	QPSK	132665	1RB#5	22.82	23.00
Band66	1.4MHz	16QAM	132665	1RB#5	22.08	23.00
Band66	1.4MHz	QPSK	132665	3RB#0	22.93	23.00
Band66	1.4MHz	16QAM	132665	3RB#0	21.71	22.00
Band66	1.4MHz	QPSK	132665	3RB#1	22.93	23.00
Band66	1.4MHz	16QAM	132665	3RB#1	21.89	22.00
Band66	1.4MHz	QPSK	132665	3RB#3	22.95	23.00
Band66	1.4MHz	16QAM	132665	3RB#3	21.95	22.00
Band66	1.4MHz	QPSK	132665	6RB#0	22.07	23.00
Band66	1.4MHz	16QAM	132665	6RB#0	21.47	22.00
Band66	3MHz	QPSK	131987	1RB#0	23.05	24.00
Band66	3MHz	16QAM	131987	1RB#0	22.21	23.00
Band66	3MHz	QPSK	131987	1RB#8	23.07	24.00
Band66	3MHz	16QAM	131987	1RB#8	22.36	23.00
Band66	3MHz	QPSK	131987	1RB#14	23.03	24.00
Band66	3MHz	16QAM	131987	1RB#14	22.30	23.00
Band66	3MHz	QPSK	131987	8RB#0	22.36	23.00



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Band66	3MHz	16QAM	131987	8RB#0	21.69	22.00
Band66	3MHz	QPSK	131987	8RB#4	22.39	23.00
Band66	3MHz	16QAM	131987	8RB#4	21.62	22.00
Band66	3MHz	QPSK	131987	8RB#7	22.29	23.00
Band66	3MHz	16QAM	131987	8RB#7	21.57	22.00
Band66	3MHz	QPSK	131987	15RB#0	22.28	23.00
Band66	3MHz	16QAM	131987	15RB#0	21.51	22.00
Band66	3MHz	QPSK	132322	1RB#0	23.14	24.00
Band66	3MHz	16QAM	132322	1RB#0	22.02	23.00
Band66	3MHz	QPSK	132322	1RB#8	23.18	24.00
Band66	3MHz	16QAM	132322	1RB#8	22.08	23.00
Band66	3MHz	QPSK	132322	1RB#14	23.15	24.00
Band66	3MHz	16QAM	132322	1RB#14	21.99	22.00
Band66	3MHz	QPSK	132322	8RB#0	22.28	23.00
Band66	3MHz	16QAM	132322	8RB#0	21.69	22.00
Band66	3MHz	QPSK	132322	8RB#4	22.28	23.00
Band66	3MHz	16QAM	132322	8RB#4	21.70	22.00
Band66	3MHz	QPSK	132322	8RB#7	22.32	23.00
Band66	3MHz	16QAM	132322	8RB#7	21.64	22.00
Band66	3MHz	QPSK	132322	15RB#0	22.33	23.00
Band66	3MHz	16QAM	132322	15RB#0	21.32	22.00
Band66	3MHz	QPSK	132657	1RB#0	22.91	23.00
Band66	3MHz	16QAM	132657	1RB#0	22.06	23.00
Band66	3MHz	QPSK	132657	1RB#8	22.87	23.00
Band66	3MHz	16QAM	132657	1RB#8	21.98	22.00
Band66	3MHz	QPSK	132657	1RB#14	22.89	23.00
Band66	3MHz	16QAM	132657	1RB#14	22.02	23.00
Band66	3MHz	QPSK	132657	8RB#0	22.15	23.00
Band66	3MHz	16QAM	132657	8RB#0	21.53	22.00
Band66	3MHz	QPSK	132657	8RB#4	22.14	23.00
Band66	3MHz	16QAM	132657	8RB#4	21.52	22.00
Band66	3MHz	QPSK	132657	8RB#7	22.16	23.00
Band66	3MHz	16QAM	132657	8RB#7	21.40	22.00
Band66	3MHz	QPSK	132657	15RB#0	22.06	23.00
Band66	3MHz	16QAM	132657	15RB#0	21.30	22.00
Band66	5MHz	QPSK	131997	1RB#0	23.15	24.00
Band66	5MHz	16QAM	131997	1RB#0	21.85	22.00
Band66	5MHz	QPSK	131997	1RB#12	23.13	24.00
Band66	5MHz	16QAM	131997	1RB#12	21.81	22.00
Band66	5MHz	QPSK	131997	1RB#24	23.18	24.00



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Band66	5MHz	16QAM	131997	1RB#24	21.81	22.00
Band66	5MHz	QPSK	131997	12RB#0	22.35	23.00
Band66	5MHz	16QAM	131997	12RB#0	21.44	22.00
Band66	5MHz	QPSK	131997	12RB#6	22.37	23.00
Band66	5MHz	16QAM	131997	12RB#6	21.44	22.00
Band66	5MHz	QPSK	131997	12RB#13	22.37	23.00
Band66	5MHz	16QAM	131997	12RB#13	21.51	22.00
Band66	5MHz	QPSK	131997	25RB#0	22.27	23.00
Band66	5MHz	16QAM	131997	25RB#0	21.53	22.00
Band66	5MHz	QPSK	132322	1RB#0	22.98	23.00
Band66	5MHz	16QAM	132322	1RB#0	22.55	23.00
Band66	5MHz	QPSK	132322	1RB#12	22.99	23.00
Band66	5MHz	16QAM	132322	1RB#12	22.49	23.00
Band66	5MHz	QPSK	132322	1RB#24	23.19	24.00
Band66	5MHz	16QAM	132322	1RB#24	22.07	23.00
Band66	5MHz	QPSK	132322	12RB#0	22.36	23.00
Band66	5MHz	16QAM	132322	12RB#0	21.48	22.00
Band66	5MHz	QPSK	132322	12RB#6	22.36	23.00
Band66	5MHz	16QAM	132322	12RB#6	21.48	22.00
Band66	5MHz	QPSK	132322	12RB#13	22.31	23.00
Band66	5MHz	16QAM	132322	12RB#13	21.60	22.00
Band66	5MHz	QPSK	132322	25RB#0	22.30	23.00
Band66	5MHz	16QAM	132322	25RB#0	21.51	22.00
Band66	5MHz	QPSK	132647	1RB#0	23.06	24.00
Band66	5MHz	16QAM	132647	1RB#0	21.60	22.00
Band66	5MHz	QPSK	132647	1RB#12	22.95	23.00
Band66	5MHz	16QAM	132647	1RB#12	21.59	22.00
Band66	5MHz	QPSK	132647	1RB#24	22.90	23.00
Band66	5MHz	16QAM	132647	1RB#24	21.63	22.00
Band66	5MHz	QPSK	132647	12RB#0	22.17	23.00
Band66	5MHz	16QAM	132647	12RB#0	21.29	22.00
Band66	5MHz	QPSK	132647	12RB#6	22.15	23.00
Band66	5MHz	16QAM	132647	12RB#6	21.30	22.00
Band66	5MHz	QPSK	132647	12RB#13	22.10	23.00
Band66	5MHz	16QAM	132647	12RB#13	21.22	22.00
Band66	5MHz	QPSK	132647	25RB#0	22.18	23.00
Band66	5MHz	16QAM	132647	25RB#0	21.39	22.00
Band66	10MHz	QPSK	132022	1RB#0	23.07	24.00
Band66	10MHz	16QAM	132022	1RB#0	22.17	23.00
Band66	10MHz	QPSK	132022	1RB#24	23.05	24.00



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Band66	10MHz	16QAM	132022	1RB#24	22.27	23.00
Band66	10MHz	QPSK	132022	1RB#49	23.01	24.00
Band66	10MHz	16QAM	132022	1RB#49	22.29	23.00
Band66	10MHz	QPSK	132022	25RB#0	22.33	23.00
Band66	10MHz	16QAM	132022	25RB#0	21.48	22.00
Band66	10MHz	QPSK	132022	25RB#12	22.36	23.00
Band66	10MHz	16QAM	132022	25RB#12	21.41	22.00
Band66	10MHz	QPSK	132022	25RB#25	22.30	23.00
Band66	10MHz	16QAM	132022	25RB#25	21.42	22.00
Band66	10MHz	QPSK	132022	50RB#0	22.33	23.00
Band66	10MHz	16QAM	132022	50RB#0	21.48	22.00
Band66	10MHz	QPSK	132322	1RB#0	23.27	24.00
Band66	10MHz	16QAM	132322	1RB#0	22.15	23.00
Band66	10MHz	QPSK	132322	1RB#24	23.14	24.00
Band66	10MHz	16QAM	132322	1RB#24	22.12	23.00
Band66	10MHz	QPSK	132322	1RB#49	23.13	24.00
Band66	10MHz	16QAM	132322	1RB#49	21.67	22.00
Band66	10MHz	QPSK	132322	25RB#0	22.34	23.00
Band66	10MHz	16QAM	132322	25RB#0	21.60	22.00
Band66	10MHz	QPSK	132322	25RB#12	22.33	23.00
Band66	10MHz	16QAM	132322	25RB#12	21.60	22.00
Band66	10MHz	QPSK	132322	25RB#25	22.31	23.00
Band66	10MHz	16QAM	132322	25RB#25	21.56	22.00
Band66	10MHz	QPSK	132322	50RB#0	22.23	23.00
Band66	10MHz	16QAM	132322	50RB#0	21.51	22.00
Band66	10MHz	QPSK	132622	1RB#0	22.98	23.00
Band66	10MHz	16QAM	132622	1RB#0	22.25	23.00
Band66	10MHz	QPSK	132622	1RB#24	22.92	23.00
Band66	10MHz	16QAM	132622	1RB#24	22.14	23.00
Band66	10MHz	QPSK	132622	1RB#49	22.80	23.00
Band66	10MHz	16QAM	132622	1RB#49	22.04	23.00
Band66	10MHz	QPSK	132622	25RB#0	22.19	23.00
Band66	10MHz	16QAM	132622	25RB#0	21.32	22.00
Band66	10MHz	QPSK	132622	25RB#12	22.26	23.00
Band66	10MHz	16QAM	132622	25RB#12	21.31	22.00
Band66	10MHz	QPSK	132622	25RB#25	22.20	23.00
Band66	10MHz	16QAM	132622	25RB#25	21.29	22.00
Band66	10MHz	QPSK	132622	50RB#0	22.28	23.00
Band66	10MHz	16QAM	132622	50RB#0	21.36	22.00
Band66	15MHz	QPSK	132047	1RB#0	23.05	24.00



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Scan code to check authenticity



Band66	15MHz	16QAM	132047	1RB#0	22.33	23.00
Band66	15MHz	QPSK	132047	1RB#38	23.04	24.00
Band66	15MHz	16QAM	132047	1RB#38	22.35	23.00
Band66	15MHz	QPSK	132047	1RB#74	22.99	23.00
Band66	15MHz	16QAM	132047	1RB#74	22.32	29.00
Band66	15MHz	QPSK	132047	38RB#0	22.23	23.00
Band66	15MHz	16QAM	132047	38RB#0	22.24	23.00
Band66	15MHz	QPSK	132047	38RB#18	22.24	23.00
Band66	15MHz	16QAM	132047	38RB#18	22.24	23.00
Band66	15MHz	QPSK	132047	38RB#37	22.24	23.00
Band66	15MHz	16QAM	132047	38RB#37	22.23	23.00
Band66	15MHz	QPSK	132047	75RB#0	22.23	23.00
Band66	15MHz	16QAM	132047	75RB#0	21.42	22.00
Band66	15MHz	QPSK	132322	1RB#0	22.98	23.00
Band66	15MHz	16QAM	132322	1RB#0	22.40	23.00
Band66	15MHz	QPSK	132322	1RB#38	22.91	23.00
Band66	15MHz	16QAM	132322	1RB#38	22.29	23.00
Band66	15MHz	QPSK	132322	1RB#74	22.92	23.00
Band66	15MHz	16QAM	132322	1RB#74	22.33	23.00
Band66	15MHz	QPSK	132322	38RB#0	22.27	23.00
Band66	15MHz	16QAM	132322	38RB#0	22.27	23.00
Band66	15MHz	QPSK	132322	38RB#18	22.27	23.00
Band66	15MHz	16QAM	132322	38RB#18	22.27	23.00
Band66	15MHz	QPSK	132322	38RB#37	22.27	23.00
Band66	15MHz	16QAM	132322	38RB#37	22.27	23.00
Band66	15MHz	QPSK	132322	75RB#0	22.28	23.00
Band66	15MHz	16QAM	132322	75RB#0	21.47	22.00
Band66	15MHz	QPSK	132597	1RB#0	23.06	24.00
Band66	15MHz	16QAM	132597	1RB#0	22.25	23.00
Band66	15MHz	QPSK	132597	1RB#38	22.99	23.00
Band66	15MHz	16QAM	132597	1RB#38	22.19	23.00
Band66	15MHz	QPSK	132597	1RB#74	22.83	23.00
Band66	15MHz	16QAM	132597	1RB#74	22.06	23.00
Band66	15MHz	QPSK	132597	38RB#0	22.16	23.00
Band66	15MHz	16QAM	132597	38RB#0	22.25	23.00
Band66	15MHz	QPSK	132597	38RB#18	22.25	23.00
Band66	15MHz	16QAM	132597	38RB#18	22.24	23.00
Band66	15MHz	QPSK	132597	38RB#37	22.24	23.00
Band66	15MHz	16QAM	132597	38RB#37	22.23	23.00
Band66	15MHz	QPSK	132597	75RB#0	22.23	23.00



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Band66	15MHz	16QAM	132597	75RB#0	21.33	22.00
Band66	20MHz	QPSK	132072	1RB#0	23.05	24.00
Band66	20MHz	16QAM	132072	1RB#0	22.06	23.00
Band66	20MHz	QPSK	132072	1RB#49	23.02	24.00
Band66	20MHz	16QAM	132072	1RB#49	22.25	23.00
Band66	20MHz	QPSK	132072	1RB#99	23.40	24.00
Band66	20MHz	16QAM	132072	1RB#99	22.23	23.00
Band66	20MHz	QPSK	132072	50RB#0	22.33	23.00
Band66	20MHz	16QAM	132072	50RB#0	21.58	22.00
Band66	20MHz	QPSK	132072	50RB#25	22.27	23.00
Band66	20MHz	16QAM	132072	50RB#25	21.58	22.00
Band66	20MHz	QPSK	132072	50RB#50	22.24	23.00
Band66	20MHz	16QAM	132072	50RB#50	21.53	22.00
Band66	20MHz	QPSK	132072	100RB#0	22.33	23.00
Band66	20MHz	16QAM	132072	100RB#0	21.56	22.00
Band66	20MHz	QPSK	132322	1RB#0	23.20	24.00
Band66	20MHz	16QAM	132322	1RB#0	22.88	23.00
Band66	20MHz	QPSK	132322	1RB#49	23.16	24.00
Band66	20MHz	16QAM	132322	1RB#49	22.63	23.00
Band66	20MHz	QPSK	132322	1RB#99	23.16	24.00
Band66	20MHz	16QAM	132322	1RB#99	22.56	23.00
Band66	20MHz	QPSK	132322	50RB#0	22.40	23.00
Band66	20MHz	16QAM	132322	50RB#0	21.61	22.00
Band66	20MHz	QPSK	132322	50RB#25	22.38	23.00
Band66	20MHz	16QAM	132322	50RB#25	21.61	22.00
Band66	20MHz	QPSK	132322	50RB#50	22.29	23.00
Band66	20MHz	16QAM	132322	50RB#50	21.51	22.00
Band66	20MHz	QPSK	132322	100RB#0	22.37	23.00
Band66	20MHz	16QAM	132322	100RB#0	21.58	22.00
Band66	20MHz	QPSK	132572	1RB#0	23.41	24.00
Band66	20MHz	16QAM	132572	1RB#0	22.18	23.00
Band66	20MHz	QPSK	132572	1RB#49	23.33	24.00
Band66	20MHz	16QAM	132572	1RB#49	21.98	22.00
Band66	20MHz	QPSK	132572	1RB#99	22.84	23.00
Band66	20MHz	16QAM	132572	1RB#99	21.85	22.00
Band66	20MHz	QPSK	132572	50RB#0	22.20	23.00
Band66	20MHz	16QAM	132572	50RB#0	21.45	22.00
Band66	20MHz	QPSK	132572	50RB#25	22.34	23.00
Band66	20MHz	16QAM	132572	50RB#25	21.45	22.00
Band66	20MHz	QPSK	132572	50RB#50	22.22	23.00





Band66	20MHz	16QAM	132572	50RB#50	21.40	22.00
Band66	20MHz	QPSK	132572	100RB#0	22.33	23.00
Band66	20MHz	16QAM	132572	100RB#0	21.35	22.00

1.1.13. Conducted Power Measurement Results(WIFI2.4G)

Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Tune up (dBm)
802.11b	2412	Ant1	14.89	15.00
	2437	Ant1	15.02	15.50
	2462	Ant1	14.88	15.00
802.11g	2412	Ant1	14.55	15.00
	2437	Ant1	14.36	15.00
	2462	Ant1	14.35	15.00
802.11n(HT20)	2412	Ant1	12.77	13.00
	2437	Ant1	13.75	14.00
	2462	Ant1	13.81	14.00

1.1.14. Conducted Power Measurement Results(Bluetooth)

TestMode	Antenna	Channel	Maximum Average Conducted Output Power (dBm)	Tune up (dBm)
DH5	Ant1	2402	-0.31	0.00
		2441	0.01	1.00
		2480	-1.16	-1.00
2DH5	Ant1	2402	1.46	2.00
		2441	1.77	2.00
		2480	0.6	1.00
3DH5	Ant1	2402	1.77	2.00
		2441	2.18	3.00
		2480	0.98	1.00

TestMode	Antenna	Channel	Maximum Average Conducted Output Power (dBm)	Tune up (dBm)
BLE 1M	Ant1	2402	1.17	2.00
		2440	0.41	1.00
		2480	-0.69	0.00



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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

