

Condu	icted TxPout_Max		FID=>		SZ170619	900010	
	DataRate	Channel	Frequency	TUP	Tx1 TxAvg	128 340.553	TeraTerm
Mode	(Mbps)	(L/M/H)	(MHz)	(dBm)	(dBm)	(dBm)	TxPwr Set
		149	5745	20.0	19.9	24.3	19.0
	MCS0 7.2Mbps DataRate	153	5765	20.0	19.2	23.8	19.0
		157	5785	20.0	19.4	23.7	19.0
	Datakate	161	5805	20.0	19.4	23.9	19.0
		165	5825	20.0	19.2	23.9	19.0
		149	5745	20.0	19.3	24.2	19.0
	MCS1 14.4Mbps	153	5765	20.0	19.8	23.9	20.0
	DataRate	157	5785	20.0	19.9	23.7	20.0
		161	5805	20.0	19.0	24.0	19.0
		165	5825	20.0	19.0	23.9	19.0
		149	5745	20.0	19.4	24.3	19.0
	MCS2 21.7Mbps	153	5765	20.0	19.9	23.9	20.0
>	DataRate	157	5785	20.0	19.9	23.7	20.0
ā		161	5805	20.0	19.8	24.1	19.0
7		165	5825	20.0	19.9	24.0	20.0
₹		149	5745	20.0	19.1 19.6	23.2	19.0
6	MCS3 28.9Mbps	153 157	5765 5785	20.0	19.6	70000 20	20.0
7	DataRate	161	5805	20.0	19.8	23.6 24.0	20.0 19.0
_		165	5825	20.0	18.5	23.9	19.0
1		149	5745	20.0	18.6	24.3	19.0
∹:		153	5765	20.0	19.2	23.9	20.0
02	MCS4 43.3Mbps	157	5785	20.0	20.0	23.9	21.0
$\overline{\infty}$	MCS3 28.9Mbps DataRate  MCS3 28.9Mbps DataRate  MCS4 43.3Mbps DataRate  MCS5 57.8Mbps	161	5805	20.0	19.4	24.2	20.0
7		165	5825	20.0	19.3	24.2	20.0
ਰ		149	5745	20.0	19.1	24.4	20.0
αė		153	5765	20.0	19.8	24.1	21.0
Ŋ	MCS5 57.8Mbps	157	5785	20.0	19.7	23.9	21.0
	DataRate	161	5805	20.0	20.0	24.3	21.0
		165	5825	20.0	19.9	24.2	21.0
		149	5745	20.0	19.2	24.4	20.0
	MCS6 65.0Mbps	153	5765	20.0	19.9	24.1	21.0
	DataRate	157	5785	20.0	19.6	23.9	21.0
	Datakate	161	5805	20.0	19.9	24.3	21.0
		165	5825	20.0	19.9	24.2	21.0
		149	5745	20.0	19.9	24.5	21.0
	MCS7 72.2Mbps	153	5765	20.0	19.6	24.0	21.0
	DataRate	157	5785	20.0	19.5	23.9	21.0
		161	5805	20.0	19.9	24.3	21.0
		165	5825	20.0	19.5	23.9	21.0
	MCS0 15.0Mbps	151	5755	20.0	19.9	23.7	20.0
5.8GHz 802.11n / 40MHz BW	DataRate	159	5795	20.0	19.9	23.7	20.0
2 E	MCS1 30.0Mbps	151	5755	20.0	19.8	23.7	20.0
Ï	DataRate	159	5795	20.0	19.6	23.7	20.0
Σ	MCS2 45.0Mbps	151	5755	20.0	19.5	23.7	20.0
운	DataRate	159	5795	20.0	19.5	23.7	20.0
-	MCS3 60.0Mbps	151	5755	20.0	19.1	23.8	20.0
⊆.	DataRate	159	5795	20.0	19.1	23.7	20.0
1	MCS4 90.0Mbps	151	5755	20.0	19.9	23.8	21.0
2	DataRate	159	5795	20.0	20.0	23.9	21.0
30	MCS5 120.0Mbps	151	5755	20.0	19.9	23.9	21.0
2	DataRate	159	5795	20.0	19.6	23.9	21.0
王	MCS6 135.0Mbps	151	5755	20.0	19.6	23.9	21.0
86	DataRate	159	5795	20.0	19.6	23.9	21.0
7	MCS7 150.0Mbps	151	5755	20.0	19.5	23.9	21.0
	DataRate	159	5795	20.0	19.5	23.9	21.0



Condu	cted TxPout_Max						
Condu	cted TAPOdt_IMAX	FID=>		SZ17061900010			
Mode	DataRate	Channel	Frequency	TUP	Tx1 TxAvg	Tx1 TxPk	TeraTerm
Wode	(Mbps)	(L/M/H)	(MHz)	(dBm)	(dBm)	(dBm)	TxPwr Set
		149	5745	20.0	19.5	24.3	19.0
	MCCO 7 2Mbra	153	5765	20.0	20.0	23.8	20.0
	MCS0 7.2Mbps DataRate	157	5785	20.0	19.8	23.6	20.0
	Datanate	161	5805	20.0	19.3	24.0	20.0
		165	5825	20.0	19.9	24.3	19.0
		149	5745	20.0	19.3	24.3	19.0
	MCS1 14.4Mbps	153	5765	20.0	19.9	239.0	20.0
	DataRate	157	5785	20.0	19.7	23.7	20.0
	DataNate	161	5805	20.0	19.9	24.1	20.0
		165	5825	20.0	19.8	24.0	20.0
		149	5745	20.0	19.0	24.3	19.0
	MCS2 21.7Mbps	153	5765	20.0	19.8	23.9	20.0
	DataRate	157	5785	20.0	19.7	23.8	20.0
	DataMate	161	5805	20.0	19.9	24.2	20.0
120		165	5825	20.0	19.9	24.3	20.0
3		149	5745	20.0	19.6	24.3	20.0
<u> </u>	MCS3 28.9Mbps	153	5765	20.0	19.3	23.9	20.0
<del> </del>	DataRate	157	5785	20.0	19.1	23.7	20.0
Ι⋝I	Dutanate	161	5805	20.0	19.5	24.2	20.0
		165	5825	20.0	19.3	24.0	20.0
5.8GHz 802.11ac / 20MHz BW		149	5745	20.0	19.5	24.4	20.0
ا ن ا	MCS4 43.3Mbps	153	5765	20.0	19.1	24.0	20.0
_a	DataRate	157	5785	20.0	20.0	23.9	21.0
$\vdash$	Batanate	161	5805	20.0	19.5	243.2	20.0
2		165	5825	20.0	19.3	24.1	20.0
%		149	5745	20.0	19.1	24.5	20.0
<u>Z</u>	MCS5 57.8Mbps	153	5765	20.0	19.8	24.0	20.0
二二	DataRate	157	5785	20.0	19.7	23.9	21.0
&		161	5805	20.0	20.0	24.3	21.0
5.		165	5825	20.0	19.9	24.2	21.0
		149	5745	20.0	19.1	24.5	20.0
	MCS6 65.0Mbps	153	5765	20.0	19.8	24.1	21.0
	DataRate	157	5785	20.0	19.6	23.9	21.0
	Dutanate	161	5805	20.0	20.0	24.3	21.0
		165	5825	20.0	19.9	24.2	21.0
		149	5745	20.0	19.1	24.4	20.0
	MCS7 72.2Mbps	153	5765	20.0	19.7	24.1	21.0
	DataRate	157	5785	20.0	19.6	23.9	21.0
		161	5805	20.0	20.0	24.3	21.0
		165	5825	20.0	19.9	24.2	21.0
		149	5745	20.0	19.6	24.5	21.0
	MCS8 86.7Mbps	153	5765	20.0	19.3	24.1	21.0
	DataRate	157	5785	20.0	19.1	23.9	21.0
		161	5805	20.0	19.5	24.4	21.0
		165	5825	20.0	19.4	24.2	21.0



Condu	cted TxPout_Max						
			FID=>		SZ170619	128 3000318	
Mode	DataRate	Channel	Frequency	TUP	Tx1 TxAvg	Tx1 TxPk	TeraTerm
	(Mbps)	(L/M/H)	(MHz)	(dBm)	(dBm)	(dBm)	TxPwr Set
	MCS0 15.0Mbps	151	5755	20.0	20.0	23.9	21.0
	DataRate	159	5795	20.0	19.9	23.8	21.0
<b> </b> >	MCS1 30.0Mbps	151	5755	20.0	19.5	23.9	21.0
≳	DataRate	159	5795	20.0	19.5	23.9	21.0
Z	MCS2 45.0Mbps	151	5755	20.0	19.3	24.0	21.0
ΙΞ	DataRate	159	5795	20.0	19.2	24.0	21.0
≥	MCS3 60.0Mbps	151	5755	20.0	19.2	24.0	21.0
4	DataRate	159	5795	20.0	19.2	24.0	21.0
_	MCS4 90.0Mbps	151	5755	20.0	19.3	23.9	20.0
၂ မ	DataRate	159	5795	20.0	19.3	23.9	20.0
1	MCS5 120.0Mbps	151	5755	20.0	19.3	23.9	20.0
1 5	DataRate	159	5795	20.0	19.4	23.9	20.0
5.8GHz 802.11ac / 40MHz BW	MCS6 135.0M bps	151	5755	20.0	19.2	23.9	20.0
∞	DataRate	159	5795	20.0	19.3	23.9	20.0
<del>፲</del>	MCS7 150.0Mbps	151	5755	20.0	19.4	23.9	20.0
ပ္က	DataRate	159	5795	20.0	19.4	23.9	20.0
1 89	MCS8 180.0Mbps	151	5755	20.0	19.4	24.0	20.0
L 1	DataRate	159	5795	20.0	19.3	23.9	20.0
	MCS9 200.0Mbps	151	5755	20.0	19.2	23.9	20.0
	DataRate	159	5795	20.0	19.2	23.9	20.0
	MCS0 32.5Mbps DataRate	155	5775	20.0	19.3	23.9	20.0
	MCS1 65.0Mbps DataRate	155	5775	20.0	19.4	24.1	20.0
BW	MCS2 97.5Mbps DataRate	155	5775	20.0	19.4	24.5	20.0
802.11ac / 80MHz BW	MCS3 130.0Mbps DataRate	155	5775	20.0	19.5	24.1	20.0
эс / 8	MCS4 195.0Mbps DataRate	155	5775	20.0	19.5	24.2	20.0
2.11	MCS5 260.0Mbps DataRate	155	5775	20.0	19.5	24.2	20.0
7	MCS6 292.5.0Mbps DataRate	155	5775	20.0	19.6	24.2	20.0
5.8G	MCS7 325.0Mbps DataRate	155	5775	20.0	19.6	24.2	20.0
	MCS8 390.0Mbps DataRate	155	5775	20.0	19.6	24.2	20.0
	MCS9 433.3Mbps DataRate	155	5775	20.0	19.3	24.1	20.0



Figure 10.1 Test Reduction Table - WiFi 2.4 GHz Chain 0

	. cot i todacti	<u> </u>	
Mode	Side	Required	Tested/Reduced
		Channel	
		1 – 2412 MHz	Reduced <sup>1</sup>
	Side A	6 – 2437 MHz	Tested
		11 – 2462 MHz	Reduced <sup>1</sup>
		1 – 2412 MHz	Reduced <sup>1</sup>
	Side B	6 – 2437 MHz	Tested
		11 – 2462 MHz	Reduced <sup>1</sup>
		1 – 2412 MHz	Reduced <sup>1</sup>
	Side C	6 – 2437 MHz	Tested
802.11b		11 – 2462 MHz	Reduced <sup>1</sup>
	0:1.5	1 – 2412 MHz	Reduced <sup>3</sup>
	Side D	6 – 2437 MHz	Reduced <sup>3</sup>
		11 – 2462 MHz	Reduced <sup>3</sup>
	0:1 5	1 – 2412 MHz	Reduced <sup>3</sup>
	Side E	6 – 2437 MHz	Reduced <sup>3</sup>
		11 – 2462 MHz	Reduced <sup>3</sup>
	0:4- 5	1 – 2412 MHz	Reduced <sup>3</sup>
	Side F	6 – 2437 MHz	Reduced <sup>3</sup>
		11 – 2462 MHz	Reduced <sup>3</sup>
	Cido A	1 – 2412 MHz	Reduced <sup>2</sup>
	Side A	6 – 2437 MHz	Reduced <sup>2</sup>
		11 – 2462 MHz	Reduced <sup>2</sup>
	Side B	1 – 2412 MHz	Reduced <sup>2</sup>
		6 – 2437 MHz	Reduced <sup>2</sup>
	Side C	11 – 2462 MHz	Reduced <sup>2</sup>
		1 – 2412 MHz	Reduced <sup>2</sup>
		6 – 2437 MHz	Reduced <sup>2</sup>
802.11g		11 – 2462 MHz	Reduced <sup>2</sup>
_	0:4- D	1 – 2412 MHz	Reduced <sup>2</sup>
	Side D	6 – 2437 MHz	Reduced <sup>2</sup>
		11 – 2462 MHz	Reduced <sup>2</sup>
	0:4- 5	1 – 2412 MHz	Reduced <sup>2</sup>
	Side E	6 – 2437 MHz	Reduced <sup>2</sup>
		11 – 2462 MHz	Reduced <sup>2</sup>
	0:4- 5	1 – 2412 MHz	Reduced <sup>2</sup>
	Side F	6 – 2437 MHz	Reduced <sup>2</sup>
		11 – 2462 MHz	Reduced <sup>2</sup>
	0:4- 4	1 – 2412 MHz	Reduced <sup>2</sup>
	Side A	6 – 2437 MHz	Reduced <sup>2</sup>
		11 – 2462 MHz	Reduced <sup>2</sup>
	Side B	1 – 2412 MHz 6 – 2437 MHz	Reduced <sup>2</sup> Reduced <sup>2</sup>
	Side B		
		11 – 2462 MHz	Reduced <sup>2</sup>
	0:1.0	1 – 2412 MHz	Reduced <sup>2</sup>
	Side C	6 – 2437 MHz	Reduced <sup>2</sup>
802.11n		11 – 2462 MHz	Reduced <sup>2</sup>
	Cial- D	1 – 2412 MHz	Reduced <sup>2</sup>
	Side D	6 – 2437 MHz	Reduced <sup>2</sup>
		11 – 2462 MHz	Reduced <sup>2</sup>
	Cido E	1 – 2412 MHz	Reduced <sup>2</sup>
	Side E	6 – 2437 MHz	Reduced <sup>2</sup>
		11 – 2462 MHz	Reduced <sup>2</sup>
	0:4 5	1 – 2412 MHz	Reduced <sup>2</sup>
	Side F	6 – 2437 MHz	Reduced <sup>2</sup>
		11 – 2462 MHz	Reduced <sup>2</sup>

Reduced¹ – When the reported SAR is ≤ 0.4 W/kg, SAR is not required for the remaining test configuration per KDB 248227 D01 v02r02 section 5.1.1 1) page 9.

Reduced<sup>2</sup> – When the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, SAR is not required per KDB 248227 D01 v02r02 section 5.2.2 2) page 10.

Reduced³ – When the antenna is more than 25 mm from a side, the test can be reduced per KDB447498 D01 v06 section 4.3.1 1) page 11. See below for calculations.

Maximum power: 63.1 mW

Closest Distance to Side D: 73.0 mm Closest Distance to Side E: 72.0 mm Closest Distance to Side F: 37.0 mm

The closest distance is from Side F. Therefore, if Side F is excluded then Side D and Side E would also be excluded.

 $[(63.1 \text{ mW})/(37 \text{ mm})]^*\sqrt{2.462}=2.68$  which is equal to or less than 3.0.



Figure 10.2 Test Reduction Table - WiFi 2.4 GHz Chain 1

<u> </u>	oot itodaeti	<u> </u>	
Mode	Side	Required Channel	Tested/Reduced
		1 – 2412 MHz	Reduced <sup>1</sup>
	Side A	6 – 2437 MHz	Tested
	Side A	11 – 2462 MHz	Reduced <sup>1</sup>
		1 – 2412 MHz	Reduced <sup>3</sup>
	Side B	6 – 2437 MHz	Reduced <sup>3</sup>
	Side D	11 – 2462 MHz	Reduced <sup>3</sup>
		1 – 2412 MHz	Reduced <sup>1</sup>
	Side C	6 – 2437 MHz	Tested
		11 – 2462 MHz	Reduced <sup>1</sup>
802.11b		1 – 2412 MHz	Reduced <sup>1</sup>
	Side D	6 – 2437 MHz	Tested
		11 – 2462 MHz	Reduced <sup>1</sup>
		1 – 2412 MHz	Reduced <sup>3</sup>
	Side E	6 – 2437 MHz	Reduced <sup>3</sup>
		11 – 2462 MHz	Reduced <sup>3</sup>
		1 – 2412 MHz	Reduced <sup>3</sup>
	Side F	6 – 2437 MHz	Reduced <sup>3</sup>
		11 – 2462 MHz	Reduced <sup>3</sup>
		1 – 2412 MHz	Reduced <sup>2</sup>
	Side A	6 – 2437 MHz	Reduced <sup>2</sup>
		11 – 2462 MHz	Reduced <sup>2</sup>
	Side B	1 – 2412 MHz	Reduced <sup>2</sup>
		6 – 2437 MHz	Reduced <sup>2</sup>
		11 – 2462 MHz	Reduced <sup>2</sup>
	Side C	1 – 2412 MHz	Reduced <sup>2</sup>
		6 – 2437 MHz	Reduced <sup>2</sup>
802.11g		11 – 2462 MHz	Reduced <sup>2</sup>
002.119		1 – 2412 MHz	Reduced <sup>2</sup>
	Side D	6 – 2437 MHz	Reduced <sup>2</sup>
		11 – 2462 MHz	Reduced <sup>2</sup>
		1 – 2412 MHz	Reduced <sup>2</sup>
	Side E	6 – 2437 MHz	Reduced <sup>2</sup>
		11 – 2462 MHz	Reduced <sup>2</sup>
		1 – 2412 MHz	Reduced <sup>2</sup>
	Side F	6 – 2437 MHz	Reduced <sup>2</sup>
		11 – 2462 MHz	Reduced <sup>2</sup>
	<u> </u>	1 – 2412 MHz	Reduced <sup>2</sup>
	Side A	6 – 2437 MHz	Reduced <sup>2</sup>
		11 – 2462 MHz	Reduced <sup>2</sup>
	0:1.5	1 – 2412 MHz	Reduced <sup>2</sup>
	Side B	6 – 2437 MHz	Reduced <sup>2</sup>
		11 – 2462 MHz	Reduced <sup>2</sup>
	0:1.0	1 – 2412 MHz	Reduced <sup>2</sup>
	Side C	6 – 2437 MHz	Reduced <sup>2</sup>
802.11n	-	11 – 2462 MHz	Reduced <sup>2</sup>
	Side D	1 – 2412 MHz 6 – 2437 MHz	Reduced <sup>2</sup> Reduced <sup>2</sup>
	Side D	6 – 2437 MHZ 11 – 2462 MHz	Reduced <sup>2</sup>
	<del> </del>	11 – 2462 MHZ 1 – 2412 MHz	Reduced <sup>2</sup>
	Side E	6 – 2437 MHz	Reduced <sup>2</sup>
	Side L	11 – 2462 MHz	Reduced <sup>2</sup>
		1 – 2412 MHz	Reduced <sup>2</sup>
	Side F	6 – 2437 MHz	Reduced <sup>2</sup>
	Side I	11 – 2462 MHz	Reduced <sup>2</sup>
	1	1 1 - 2+02 IVII IZ	Neudled

Reduced¹ – When the reported SAR is ≤ 0.4 W/kg, SAR is not required for the remaining test configuration per KDB 248227 D01 v02r02 section 5.1.1 1) page 9.

Reduced<sup>2</sup> – When the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, SAR is not required per KDB 248227 D01 v02r02 section 5.2.2 2) page 10.

Reduced³ – When the antenna is more than 25 mm from a side, the test can be reduced per KDB447498 D01 v06 section 4.3.1 1) page 11. See below for calculations.

Maximum power: 63.1 mW

Closest Distance to Side B: 68.0 mm Closest Distance to Side E: 75.0 mm Closest Distance to Side F: 34.0 mm

The closest distance is from Side F. Therefore, if Side F is excluded then Side B and Side E would also be excluded.

 $[(63.1 \text{ mW})/(34 \text{ mm})]^*\sqrt{2.462}=2.91$  which is equal to or less than 3.0.



Figure 10.3 Test Reduction Table - WiFi 5.1 GHz Chain 0

Mode	Side	Required	Tested/Reduced
Mode	J.ac	Channel	100tcd/1tcddocd
		36 – 5180 MHz	Reduced <sup>1</sup>
	C:da A	40 – 5200 MHz	Reduced <sup>1</sup>
	Side A	44 – 5220 MHz	Tested
		48 – 5240 MHz	Reduced <sup>1</sup>
		36 – 5180 MHz	Reduced <sup>1</sup>
	0:1.5	40 – 5200 MHz	Reduced <sup>1</sup>
	Side B	44 – 5220 MHz	Tested
		48 – 5240 MHz	Reduced <sup>1</sup>
		36 – 5180 MHz	Reduced <sup>1</sup>
	011.0	40 – 5200 MHz	Reduced <sup>1</sup>
	Side C	44 – 5220 MHz	Tested
802.11a		48 – 5240 MHz	Reduced <sup>1</sup>
5150 MHz		36 – 5180 MHz	Reduced <sup>2</sup>
		40 – 5200 MHz	Reduced <sup>2</sup>
	Side D	44 – 5220 MHz	Reduced <sup>2</sup>
		48 – 5240 MHz	Reduced <sup>2</sup>
		36 – 5180 MHz	Reduced <sup>2</sup>
		40 – 5200 MHz	Reduced <sup>2</sup>
	Side E	44 – 5220 MHz	Reduced <sup>2</sup>
		48 – 5240 MHz	Reduced <sup>2</sup>
	Side F	36 – 5180 MHz	Reduced <sup>2</sup>
		40 – 5200 MHz	Reduced <sup>2</sup>
		44 – 5220 MHz	Reduced <sup>2</sup>
		48 – 5240 MHz	Reduced <sup>2</sup>
		36 – 5180 MHz	Reduced <sup>1</sup>
		40 – 5200 MHz	Reduced <sup>1</sup>
	Side A	44 – 5220 MHz	Reduced <sup>1</sup>
		48 – 5240 MHz	Reduced <sup>1</sup>
		36 – 5180 MHz	Reduced <sup>1</sup>
		40 – 5200 MHz	Reduced <sup>1</sup>
	Side B	44 – 5220 MHz	Reduced <sup>1</sup>
		48 – 5240 MHz	Reduced <sup>1</sup>
		36 – 5180 MHz	Reduced <sup>1</sup>
		40 – 5200 MHz	Reduced <sup>1</sup>
	Side C	44 – 5220 MHz	Reduced <sup>1</sup>
000 115		44 – 5220 MHz 48 – 5240 MHz	
802.11n 5150 MHz			Reduced <sup>1</sup>
S ISU IVITZ		36 – 5180 MHz	Reduced <sup>2</sup>
	Side D	40 – 5200 MHz	Reduced <sup>2</sup>
		44 – 5220 MHz	Reduced <sup>2</sup>
		48 – 5240 MHz	Reduced <sup>2</sup>
		36 – 5180 MHz	Reduced <sup>2</sup>
	Side E	40 – 5200 MHz	Reduced <sup>2</sup>
		44 – 5220 MHz	Reduced <sup>2</sup>
		48 – 5240 MHz	Reduced <sup>2</sup>
		36 – 5180 MHz	Reduced <sup>2</sup>
	Side F	40 – 5200 MHz	Reduced <sup>2</sup>
		44 – 5220 MHz	Reduced <sup>2</sup>
		48 – 5240 MHz	Reduced <sup>2</sup>

Reduced¹ – When the reported SAR is ≤ 0.4 W/kg, SAR is not required for the remaining test configuration per KDB 248227 D01 v02r02 section 5.1.1 1) page 9.

Reduced<sup>2</sup> – When the antenna is more than 25 mm from a side, the test can be reduced per KDB447498 D01 v06 section 4.3.1 1) page 11. See below for calculations.

Maximum power: 15.8 mW

Closest Distance to Side D: 73.0 mm Closest Distance to Side E: 72.0 mm Closest Distance to Side F: 37.0 mm

The closest distance is from Side F. Therefore, if Side F is excluded then Side D and Side E would also be excluded.

 $[(15.8 \text{ mW})/(37 \text{ mm})]^*\sqrt{5.24}=0.98 \text{ which is equal to or less than } 3.0.$ 



Figure 10.4 Test Reduction Table - WiFi 5.1 GHz Chain 1

Mode	Side	Required	Tested/Reduced
		Channel	
		36 – 5180 MHz	Reduced <sup>1</sup>
	Side A	40 – 5200 MHz	Reduced <sup>1</sup>
	Side A	44 – 5220 MHz	Tested
		48 – 5240 MHz	Reduced <sup>1</sup>
		36 – 5180 MHz	Reduced <sup>2</sup>
	Side B	40 – 5200 MHz	Reduced <sup>2</sup>
	Olde D	44 – 5220 MHz	Reduced <sup>2</sup>
		48 – 5240 MHz	Reduced <sup>2</sup>
		36 – 5180 MHz	Reduced <sup>1</sup>
	Side C	40 – 5200 MHz	Reduced <sup>1</sup>
	Sido C	44 – 5220 MHz	Tested
802.11a		48 – 5240 MHz	Reduced <sup>1</sup>
5150 MHz		36 – 5180 MHz	Reduced <sup>1</sup>
	Side D	40 – 5200 MHz	Reduced <sup>1</sup>
	Oldo D	44 – 5220 MHz	Tested
		48 – 5240 MHz	Reduced <sup>1</sup>
		36 – 5180 MHz	Reduced <sup>2</sup>
	Side E	40 – 5200 MHz	Reduced <sup>2</sup>
	Side L	44 – 5220 MHz	Reduced <sup>2</sup>
		48 – 5240 MHz	Reduced <sup>2</sup>
	Side F	36 – 5180 MHz	Reduced <sup>2</sup>
		40 – 5200 MHz	Reduced <sup>2</sup>
		44 – 5220 MHz	Reduced <sup>2</sup>
		48 – 5240 MHz	Reduced <sup>2</sup>
		36 – 5180 MHz	Reduced <sup>1</sup>
	Side A	40 – 5200 MHz	Reduced <sup>1</sup>
	0.0071	44 – 5220 MHz	Reduced <sup>1</sup>
		48 – 5240 MHz	Reduced <sup>1</sup>
		36 – 5180 MHz	Reduced <sup>2</sup>
	Side B	40 – 5200 MHz	Reduced <sup>2</sup>
	0.002	44 – 5220 MHz	Reduced <sup>2</sup>
		48 – 5240 MHz	Reduced <sup>2</sup>
		36 – 5180 MHz	Reduced <sup>1</sup>
	Side C	40 – 5200 MHz	Reduced <sup>1</sup>
	5.45 5	44 – 5220 MHz	Reduced <sup>1</sup>
802.11n		48 – 5240 MHz	Reduced <sup>1</sup>
5150 MHz		36 – 5180 MHz	Reduced <sup>1</sup>
	Side D	40 – 5200 MHz	Reduced <sup>1</sup>
		44 – 5220 MHz	Reduced <sup>1</sup>
		48 – 5240 MHz	Reduced <sup>1</sup>
		36 – 5180 MHz	Reduced <sup>2</sup>
	Side E	40 – 5200 MHz	Reduced <sup>2</sup>
		44 – 5220 MHz	Reduced <sup>2</sup>
		48 – 5240 MHz	Reduced <sup>2</sup>
		36 – 5180 MHz	Reduced <sup>2</sup>
	Side F	40 – 5200 MHz	Reduced <sup>2</sup>
	0.00	44 – 5220 MHz	Reduced <sup>2</sup>
		48 – 5240 MHz	Reduced <sup>2</sup>

Reduced¹ – When the reported SAR is ≤ 0.4 W/kg, SAR is not required for the remaining test configuration per KDB 248227 D01 v02r02 section 5.1.1 1) page 9.

Reduced<sup>2</sup> – When the antenna is more than 25 mm from a side, the test can be reduced per KDB447498 D01 v06 section 4.3.1 1) page 11. See below for calculations.

Maximum power: 15.8 mW

Closest Distance to Side B: 68.0 mm Closest Distance to Side E: 75.0 mm Closest Distance to Side F: 34.0 mm

The closest distance is from Side F. Therefore, if Side F is excluded then Side B and Side E would also be excluded.

 $[(15.8 \text{ mW})/(34 \text{ mm})]^*\sqrt{5.24}=1.06 \text{ which is equal to or less than 3.0.}$ 



Figure 10.5 Test Reduction Table – WiFi 5.8 GHz Chain 0

Mode	Side	Required Channel	Tested/Reduced
	Side A	149 – 5745 MHz	Reduced <sup>1</sup>
		157 – 5785 MHz	Tested
		165 – 5825 MHz	Reduced <sup>1</sup>
		149 – 5745 MHz	Reduced <sup>1</sup>
	Side B	157 – 5785 MHz	Tested
		165 – 5825 MHz	Reduced <sup>1</sup>
		149 – 5745 MHz	Reduced <sup>1</sup>
	Side C	157 – 5785 MHz	Tested
802.11a		165 – 5825 MHz	Reduced <sup>1</sup>
5800 MHz		149 – 5745 MHz	Reduced <sup>2</sup>
	Side D	157 – 5785 MHz	Reduced <sup>2</sup>
		165 – 5825 MHz	Reduced <sup>2</sup>
		149 – 5745 MHz	Reduced <sup>2</sup>
	Side E	157 – 5785 MHz	Reduced <sup>2</sup>
		165 – 5825 MHz	Reduced <sup>2</sup>
	Side F	149 – 5745 MHz	Reduced <sup>2</sup>
		157 – 5785 MHz	Reduced <sup>2</sup>
		165 – 5825 MHz	Reduced <sup>2</sup>
	Side A	149 – 5745 MHz	Reduced <sup>1</sup>
		157 – 5785 MHz	Reduced <sup>1</sup>
		165 – 5825 MHz	Reduced <sup>1</sup>
	Side B	149 – 5745 MHz	Reduced <sup>1</sup>
		157 – 5785 MHz	Reduced <sup>1</sup>
		165 – 5825 MHz	Reduced <sup>1</sup>
		149 – 5745 MHz	Reduced <sup>1</sup>
	Side C	157 – 5785 MHz	Reduced <sup>1</sup>
802.11n		165 – 5825 MHz	Reduced <sup>1</sup>
5800 MHz		149 – 5745 MHz	Reduced <sup>2</sup>
	Side D	157 – 5785 MHz	Reduced <sup>2</sup>
		165 – 5825 MHz	Reduced <sup>2</sup>
		149 – 5745 MHz	Reduced <sup>2</sup>
	Side E	157 – 5785 MHz	Reduced <sup>2</sup>
		165 – 5825 MHz	Reduced <sup>2</sup>
		149 – 5745 MHz	Reduced <sup>2</sup>
	Side F	157 – 5785 MHz	Reduced <sup>2</sup>
the new entered CAD :	a < 0.4 \M/lan CAD in	165 – 5825 MHz	Reduced <sup>2</sup>

Reduced¹ – When the reported SAR is ≤ 0.4 W/kg, SAR is not required for the remaining test configuration per KDB 248227 D01 v02r02 section 5.1.1 1) page 9.

Reduced<sup>2</sup> – When the antenna is more than 25 mm from a side, the test can be reduced per KDB447498 D01 v06 section 4.3.1 1) page 11. See below for calculations.

Maximum power: 22.4 mW

Closest Distance to Side D: 73.0 mm Closest Distance to Side E: 72.0 mm Closest Distance to Side F: 37.0 mm

The closest distance is from Side F. Therefore, if Side F is excluded then Side D and Side E would also be excluded.

 $[(22.4 \text{ mW})/(37 \text{ mm})]^*\sqrt{5.825}=1.46 \text{ which is equal to or less than 3.0.}$ 



Figure 10.6 Test Reduction Table - WiFi 5.8 GHz Chain 1

Mode	Side	Required Channel	Tested/Reduced
		149 – 5745 MHz	Reduced <sup>1</sup>
	Side A	157 – 5785 MHz	Tested
		165 – 5825 MHz	Reduced <sup>1</sup>
		149 – 5745 MHz	Reduced <sup>2</sup>
	Side B	157 – 5785 MHz	Reduced <sup>2</sup>
		165 – 5825 MHz	Reduced <sup>2</sup>
		149 – 5745 MHz	Reduced <sup>1</sup>
	Side C	157 – 5785 MHz	Tested
802.11a		165 – 5825 MHz	Reduced <sup>1</sup>
5800 MHz		149 – 5745 MHz	Reduced <sup>1</sup>
	Side D	157 – 5785 MHz	Tested
		165 – 5825 MHz	Reduced <sup>1</sup>
		149 – 5745 MHz	Reduced <sup>2</sup>
	Side E	157 – 5785 MHz	Reduced <sup>2</sup>
		165 – 5825 MHz	Reduced <sup>2</sup>
	Side F	149 – 5745 MHz	Reduced <sup>2</sup>
		157 – 5785 MHz	Reduced <sup>2</sup>
		165 – 5825 MHz	Reduced <sup>2</sup>
	Side A	149 – 5745 MHz	Reduced <sup>1</sup>
		157 – 5785 MHz	Reduced <sup>1</sup>
		165 – 5825 MHz	Reduced <sup>1</sup>
	Side B	149 – 5745 MHz	Reduced <sup>2</sup>
		157 – 5785 MHz	Reduced <sup>2</sup>
		165 – 5825 MHz	Reduced <sup>2</sup>
		149 – 5745 MHz	Reduced <sup>1</sup>
	Side C	157 – 5785 MHz	Reduced <sup>1</sup>
802.11n		165 – 5825 MHz	Reduced <sup>1</sup>
5800 MHz		149 – 5745 MHz	Reduced <sup>1</sup>
	Side D	157 – 5785 MHz	Reduced <sup>1</sup>
		165 – 5825 MHz	Reduced <sup>1</sup>
		149 – 5745 MHz	Reduced <sup>2</sup>
	Side E	157 – 5785 MHz	Reduced <sup>2</sup>
		165 – 5825 MHz	Reduced <sup>2</sup>
		149 – 5745 MHz	Reduced <sup>2</sup>
	Side F	157 – 5785 MHz	Reduced <sup>2</sup>
		165 – 5825 MHz	Reduced <sup>2</sup>

Reduced¹ – When the reported SAR is ≤ 0.4 W/kg, SAR is not required for the remaining test configuration per KDB 248227 D01 v02r02 section 5.1.1 1) page 9.

Reduced<sup>2</sup> – When the antenna is more than 25 mm from a side, the test can be reduced per KDB447498 D01 v06 section 4.3.1 1) page 11. See below for calculations.

Maximum power: 100.0 mW

Closest Distance to Side B: 68.0 mm Closest Distance to Side E: 75.0 mm Closest Distance to Side F: 34.0 mm

The closest distance is from Side F. Therefore, if Side F is excluded then Side B and Side E would also be excluded.

 $[(22.4 \text{ mW})/(34 \text{ mm})]^*\sqrt{5.825}=1.59$  which is equal to or less than 3.0.



Figure 10.7 Test Reduction Table – 3G 850 MHz

Band/	Technology	Side	Required	Tested/
Frequency (MHz)			Channel	Reduced
			128	Reduced <sup>1</sup>
		Side A	190	Tested
			251	Reduced <sup>1</sup>
			128	Reduced <sup>1</sup>
		Side B	190	Tested
			251	Reduced <sup>1</sup>
			128	Reduced <sup>1</sup>
		Side C	190	Tested
	0014	Side C	251	Reduced <sup>1</sup>
	GSM		128	Reduced <sup>1</sup>
		Side D	190	Tested
			251	Reduced <sup>1</sup>
		Side E	128	Reduced <sup>1</sup>
			190	Tested
			251	Reduced <sup>1</sup>
		Side F	128	Reduced <sup>2</sup>
			190	Reduced <sup>2</sup>
Band 5			251	Reduced <sup>2</sup>
824-849 MHz		Side A	4132	Reduced <sup>1</sup>
			4183	Tested
			4233	Reduced <sup>1</sup>
		Side B	4132	Reduced <sup>1</sup>
			4183	Tested
			4233	Reduced <sup>1</sup>
			4132	Reduced <sup>1</sup>
		Side C	4183	Tested
	WCDMA		4233	Reduced <sup>1</sup>
	WCDIVIA		4132	Reduced <sup>1</sup>
		Side D	4183	Tested
			4233	Reduced <sup>1</sup>
		_	4132	Reduced <sup>1</sup>
		Side E	4183	Tested
			4233	Reduced <sup>1</sup>
			4132	Reduced <sup>2</sup>
		Side F	4183	Reduced <sup>2</sup>
			4233	Reduced <sup>2</sup>

Reduced¹ – When the mid channel is 3 dB below the limit, the remaining channels are not required per KDB 447498 D01 v06 section 4.3.3 page 14.

Reduced<sup>2</sup> – When the antenna is more than 25 mm from a side, the test can be reduced per KDB447498 D01 v06 section 4.3.1 1) page 11. See below for calculations.

Maximum power: 281.84 mW Closest Distance to Side F: 110.0 mm

 $[\{[(3.0)/(\sqrt{0.849})]*50 \text{ mm}\}]+[\{110-50 \text{ mm}\}*10]=762 \text{ mW}$  which is greater than 281.84 mW



Figure 10.8 Test Reduction Table – 3G 1900 MHz

Band/	Technology	Side	Required	Tested/
Frequency (MHz)			Channel	Reduced
			512	Reduced <sup>1</sup>
		Side A	661	Tested
			810	Reduced <sup>1</sup>
			512	Reduced <sup>1</sup>
		Side B	661	Tested
			810	Reduced <sup>1</sup>
			512	Reduced <sup>1</sup>
		Side C	661	Tested
	0014		810	Reduced <sup>1</sup>
	GSM		512	Reduced <sup>1</sup>
		Side D	661	Tested
			810	Reduced <sup>1</sup>
		Side E	512	Reduced <sup>1</sup>
			661	Tested
			810	Reduced <sup>1</sup>
		Side F	512	Reduced <sup>2</sup>
			661	Reduced <sup>2</sup>
Band 2			810	Reduced <sup>2</sup>
1850-1910 MHz		Side A	9262	Tested
			9400	Tested
			9538	Tested
		Side B	9262	Reduced <sup>1</sup>
			9400	Tested
			9538	Reduced <sup>1</sup>
			9262	Reduced <sup>1</sup>
		Side C	9400	Tested
	MCDMA		9538	Reduced <sup>1</sup>
	WCDMA		9262	Reduced <sup>1</sup>
		Side D	9400	Tested
			9538	Reduced <sup>1</sup>
			9262	Reduced <sup>1</sup>
		Side E	9400	Tested
			9538	Reduced <sup>1</sup>
			9262	Reduced <sup>2</sup>
		Side F	9400	Reduced <sup>2</sup>
			9538	Reduced <sup>2</sup>

Reduced¹ – When the mid channel is 3 dB below the limit, the remaining channels are not required per KDB 447498 D01 v06 section 4.3.3 page 14.

Reduced<sup>2</sup> – When the antenna is more than 25 mm from a side, the test can be reduced per KDB447498 D01 v06 section 4.3.1 1) page 11. See below for calculations.

Maximum power: 223.9 mW

Closest Distance to Side F: 110.0 mm

[{[(3.0)/( $\sqrt{1.91}$ )]\*50 mm}]+[{110-50 mm}\*10]=708 mW which is greater than 223.9 mW



## 10.5 SAR Measurement Conditions for LTE Bands

## 10.5.1 LTE Functionality

The follow table identifies all the channel bandwidths in each frequency band supported by this device.

LTE Band Class	Bandwidth (MHz)	Frequency or Freq. Band (MHz)
2	1.4, 3, 5, 10, 15, 20	1850-1910 MHz
4	1.4, 3, 5, 10, 15, 20	1710-1755 MHz
5	1.4, 3, 5, 10	824-849 MHz
7	5,10,15,20	2500-2570 MHz
12	1.4, 3, 5, 10	699-716 MHz
13	5, 10	777-787 MHz
17	5, 10	704-716 MHz
66	1.4, 3, 5, 10, 15, 20	1710-1780 MHz

## 10.5.2 Test Conditions

All SAR measurements for LTE were performed using the Anritsu MT8820C. A closed loop power control setting allowed the UE to transmit at the maximum output power during the SAR measurements. The Figure 11.1 table indicates all the test reduction utilized for this report.

MPR was enabled for this device. A-MPR was disabled for all SAR test measurements.



**Table 10.5.1 LTE Power Measurements** 

LTE B13 (700MHz) / Setup Path Loss = 4.5 (TS9)									
Bandwidth	<b>UL Channel</b>	UL Freq. MHz	# RBs	Offset RBs	QPSK	16QAM			
				1	22.25	21.39			
			1	12	22.31	21.45			
				24	22.52	21.79			
	23205	779.5		1	21.24	20.12			
			12	7	21.61	20.47			
				13	21.65	20.58			
			25	0	21.51	20.55			
		782.0		1	22.38	21.83			
			1	12	22.52	21.93			
				24	22.26	21.72			
5 MHz	23230		12	1	21.62	20.70			
				7	21.65	20.70			
				13	21.61	20.63			
			25	0	21.63	20.65			
				1	22.78	22.04			
			1	12	22.37	21.60			
				24	22.29	21.67			
	23255	784.5		1	21.79	20.74			
			12	7	21.68	20.62			
				13	21.70	20.66			
			25	0	21.71	20.76			

Bandwidth	<b>UL Channel</b>	UL Freq. MHz	# RBs	Offset RBs	QPSK	16QAM
				1	22.03	21.21
		1	24	22.56	21.96	
		782.0		49	22.25	21.59
10 MHz	23230		25	1	21.54	20.56
				13	21.73	20.74
				25	21.58	20.57
			50	0	21.48	20.59



LTE B5 (850MHz) / Setup Path Loss = 4.7 (TS9)									
Bandwidth	<b>UL Channel</b>	UL Freq. MHz	# RBs	Offset RBs	QPSK	16QAM			
				1	22.27	21.75			
			1	3	22.39	21.83			
				5	22.27	21.73			
	20407	824.7		1	22.38	21.60			
			3	2	22.40	21.61			
				3	22.34	21.53			
			6	0	21.33	20.54			
		836.5		1	21.59	21.70			
	20525		1	3	21.63	21.78			
				5	21.43	21.59			
1.4 MHz			836.5	1	21.66	21.56			
				2	21.65	21.55			
				3	21.62	21.52			
			6	0	21.46	20.62			
				1	21.23	21.15			
			1	3	21.17	21.13			
				5	20.90	20.85			
	20643	848.3		1	21.21	20.92			
			3	2	21.19	20.89			
				3	21.02	20.70			
			6	0	20.67	19.94			

Bandwidth	<b>UL Channel</b>	UL Freq. MHz	# RBs	Offset RBs	QPSK	16QAM
				1	21.66	21.87
			1	7	21.75	22.08
				14	21.87	21.96
	20415	825.5		1	21.53	21.42
			7	4	21.59	21.46
				8	21.46	21.35
			15	0	21.62	20.81
				1	22.55	21.79
		836.5	7	7	22.61	21.86
				14	22.57	21.77
3 MHz	20525			1	22.12	22.06
				4	22.19	22.14
				8	22.04	22.01
			15	0	21.59	20.77
				1	21.69	21.68
			1	7	21.35	21.43
				14	21.07	21.13
	20635	847.5		1	21.35	21.06
			7	4	21.42	21.11
				8	21.21	20.98
			15	0	21.03	20.24



LTE B5 (850MHz) / Setup Path Loss = 4.7 (TS9)									
Bandwidth	<b>UL Channel</b>	UL Freq. MHz	# RBs	Offset RBs	QPSK	16QAM			
				1	22.33	21.59			
			1	12	22.56	21.83			
				24	22.43	21.68			
	20425	826.5		1	21.69	20.64			
			12	7	21.71	20.79			
				13	21.76	20.81			
			25	0	21.69	20.76			
		836.5	1	1	21.74	21.74			
				12	21.61	21.73			
				24	21.59	21.67			
5 MHz	20525		12	1	21.51	20.51			
				7	21.56	20.67			
				13	21.68	20.72			
			25	0	21.55	20.66			
				1	22.76	22.11			
			1	12	22.16	21.74			
				24	21.75	21.21			
	20625	846.5		1	21.69	20.77			
			12	7	21.32	20.45			
				13	20.90	20.03			
			25	0	21.32	20.47			

Bandwidth	<b>UL Channel</b>	UL Freq. MHz	# RBs	Offset RBs	QPSK	16QAM
				1	21.89	22.00
			1	24	21.72	21.90
				49	21.09	21.38
	20450	829.0		1	21.69	20.00
			25	13	21.78	20.81
				25	21.58	20.65
			50	0	21.59	20.73
				1	22.74	22.06
		836.5	25	24	22.48	21.77
				49	22.69	21.95
10 MHz	20525			1	21.45	20.53
				13	21.62	20.65
				25	21.72	20.87
			50	0	21.65	20.70
				1	21.95	21.93
			1	24	21.66	21.83
				49	20.93	21.06
	20600	844.0		1	21.97	21.04
			25	13	21.89	20.98
				25	21.27	20.40
			50	0	21.52	20.79



LTE B4 (1700MHz) / Setup Path Loss = 5.4 (TS9)									
Bandwidth	<b>UL Channel</b>	UL Freq. MHz	# RBs	Offset RBs	QPSK	16QAM			
				1	23.13	22.41			
			1	3	23.17	22.49			
				5	22.99	22.28			
	19957	1710.7		1	23.20	22.34			
			3	2	23.21	22.29			
				3	23.11	22.15			
			6	0	22.25	21.23			
		1732.5	1	1	23.18	22.46			
				3	23.16	22.53			
				5	22.99	22.32			
1.4 MHz	20175		3	1	23.22	22.29			
				2	23.19	22.25			
				3	23.13	22.17			
			6	0	22.24	21.26			
				1	21.96	22.02			
			1	3	21.89	22.02			
				5	21.67	21.82			
	20393	1754.3		1	22.01	21.83			
			3	2	21.93	21.78			
				3	21.86	21.71			
			6	0	21.79	20.85			

Bandwidth	<b>UL Channel</b>	UL Freq. MHz	# RBs	Offset RBs	QPSK	16QAM
				1	22.56	21.97
			1	7	22.68	22.08
				14	22.57	21.93
	19965	1711.5		1	21.96	21.45
			7	4	22.08	21.68
				8	21.92	21.39
			15	0	21.78	21.05
				1	22.94	22.25
		1732.5	1	7	23.14	22.54
				14	23.09	22.43
3 MHz	20175		7	1	21.59	21.2
				4	21.68	21.29
				8	21.42	21.13
			15	0	22.27	21.31
				1	22.78	22.07
			1	7	22.83	22.15
				14	22.58	21.93
	20385	1753.5		1	21.27	21.04
			7	4	21.36	21.37
				8	21.28	21.09
			15	0	21.84	20.85



LTE B4 (1700MHz) / Setup Path Loss = 5.4 (TS9)									
Bandwidth	<b>UL Channel</b>	UL Freq. MHz	# RBs	Offset RBs	QPSK	16QAM			
				1	23.03	22.24			
			1	12	23.17	22.42			
				24	23.09	22.50			
	19975	1712.5		1	22.32	21.36			
			12	7	22.33	21.31			
				13	22.29	21.27			
			25	0	22.23	21.31			
		1732.5	1	1	23.07	22.16			
				12	23.12	22.35			
				24	23.09	22.43			
5 MHz	20175		12	1	22.30	21.36			
				7	22.33	21.34			
				13	22.30	21.32			
			25	0	22.23	21.34			
				1	22.81	21.57			
			1	12	22.73	21.43			
				24	22.59	20.81			
	20375	1752.5		1	21.90	20.97			
			12	7	21.85	20.90			
				13	21.80	20.84			
			25	0	21.88	20.89			

Bandwidth	<b>UL Channel</b>	UL Freq. MHz	# RBs	Offset RBs	QPSK	16QAM
				1	22.35	21.66
			1	24	22.43	21.75
				49	21.83	21.40
	20000	1715.0		1	21.70	20.82
			25	13	21.62	20.68
				25	21.44	20.58
			50	0	21.55	20.72
				1	22.80	22.19
		1732.5	1	24	23.11	22.52
				49	23.01	22.38
10 MHz	20175		25	1	22.13	21.23
				13	22.27	21.37
				25	22.26	21.28
			50	0	22.18	21.34
				1.	22.96	22.59
			1	24	22.58	22.08
				49	21.44	21.53
	20350	1750.0		1	22.03	21.04
			25	13	21.95	20.94
				25	21.87	20.84
			50	0	21.93	20.92



LTE B4 (1700MHz) / Setup Path Loss = 5.4 (TS9)									
Bandwidth	<b>UL Channel</b>	UL Freq. MHz	# RBs	Offset RBs	QPSK	16QAM			
				1	22.65	21.95			
			1	37	22.21	21.51			
				74	22.31	21.48			
	20025	1717.5		1	21.68	21.32			
			37	19	21.72	21.21			
				38	21.44	21.06			
			75	0	21.32	20.52			
				1	22.72	22.08			
		1732.5	1	37	22.70	22.11			
				74	22.68	22.05			
15 MHz	20175		37	1	22.1	21.89			
				19	22.16	21.73			
				38	22.03	21.66			
			75	0	21.98	21.20			
				1	23.84	23.17			
			1	37	23.36	22.23			
				74	23.54	22.68			
	20325	1747.5		1	22.39	21.98			
			37	19	22.68	22.04			
				38	22.43	22.11			
			75	0	22.18	21.13			

Bandwidth	<b>UL Channel</b>	UL Freq. MHz	# RBs	Offset RBs	QPSK	16QAM
				1	22.69	22.26
			1	49	22.04	21.66
				99	21.27	21.03
	20050	1720.0		1	21.32	20.62
			50	24	21.34	20.49
				50	21.54	20.63
			100	0	21.50	20.55
				1	23.01	22.28
		1732.5	1	49	22.69	21.97
				99	23.06	22.30
20 MHz	20175		50	1	21.80	20.97
				24	22.12	21.26
				50	22.15	21.13
			100	0	21.98	21.12
				1	22.18	21.83
			1	49	22.84	22.31
				99	21.87	21.40
	20300	1745.0		1	22.29	21.35
			50	24	21.98	20.89
				50	21.93	20.93
			100	0	22.17	20.96