

10660-AAA	Pulse Waveform (200Hz, 40%)	X	100.00	115.90	28.07	3.98	80.0	± 9.6 %
		Y	100.00	112.84	26.35		80.0	
		Z	100.00	114.41	27.18		80.0	
10661-AAA	Pulse Waveform (200Hz, 60%)	X	100.00	116.78	26.96	2.22	100.0	± 9.6 %
		Y	100.00	111.69	24.44		100.0	
		Z	100.00	114.68	25.86		100.0	
10662-AAA	Pulse Waveform (200Hz, 80%)	X	100.00	120.91	26.72	0.97	120.0	± 9.6 %
		Y	100.00	108.87	21.46		120.0	
		Z	100.00	116.35	24.67		120.0	

^E Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

APPENDIX D: SAR TISSUE SPECIFICATIONS

Measurement Procedure for Tissue verification:

- 1) The network analyzer and probe system was configured and calibrated.
- 2) The probe was immersed in the tissue. The tissue was placed in a nonmetallic container. Trapped air bubbles beneath the flange were minimized by placing the probe at a slight angle.
- 3) The complex admittance with respect to the probe aperture was measured
- 4) The complex relative permittivity ϵ' can be calculated from the below equation (Pournaropoulos and Misra):

$$Y = \frac{j2\omega\epsilon_r\epsilon_0}{[\ln(b/a)]^2} \int_a^b \int_a^b \int_0^\pi \cos\phi' \frac{\exp[-j\omega r(\mu_0\epsilon_r'\epsilon_0)^{1/2}]}{r} d\phi' d\rho' d\rho$$

where Y is the admittance of the probe in contact with the sample, the primed and unprimed coordinates refer to source and observation points, respectively, $r^2 = \rho^2 + \rho'^2 - 2\rho\rho'\cos\phi'$, ω is the angular frequency, and $j = \sqrt{-1}$.

Table D-I
Composition of the Tissue Equivalent Matter

Frequency (MHz)	750	835	1750	1900	2300-2600	5200-5800
Tissue	Body	Body	Body	Body	Body	Body
Ingredients (% by weight)						
Bactericide	See page 2	0.1				
DGBE			31	29.44	26.7	
HEC		1				
NaCl		0.94	0.2	0.39	0.1	
Sucrose		44.9				
Polysorbate (Tween) 80						20
Water		53.06	68.8	70.17	73.2	80

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2 Composition / Information on ingredients

The Item is composed of the following ingredients:

H ₂ O	Water, 35 – 58%
Sucrose	Sugar, white, refined, 40 – 60%
NaCl	Sodium Chloride, 0 – 6%
Hydroxyethyl-cellulose	Medium Viscosity (CAS# 9004-62-0), <0.3%
Preventol-D7	Preservative: aqueous preparation, (CAS# 55965-84-9), containing 5-chloro-2-methyl-3(2H)-isothiazolone and 2-methyl-3(2H)-isothiazolone, 0.1 – 0.7%
Relevant for safety; Refer to the respective Safety Data Sheet*.	

Figure D-1

Composition of 750 MHz Body Tissue Equivalent Matter

Note: 750MHz liquid recipes are proprietary SPEAG. Since the composition is approximate to the actual liquids utilized, the manufacturer tissue-equivalent liquid data sheets are provided below.

Measurement Certificate / Material Test

Item Name	Body Tissue Simulating Liquid (MSL750V2)
Product No.	SL AAM 075 AA (Batch: 150518-2)
Manufacturer	SPEAG

Measurement Method

TSL dielectric parameters measured using calibrated DAK probe.

Setup Validation

Validation results were within $\pm 2.5\%$ towards the target values of Methanol.

Target Parameters

Target parameters as defined in the IEEE 1528 and IEC 62209 compliance standards.

Test Condition

Ambient	Environment temperatur (22 $\pm$ 3)°C and humidity < 70%.
TSL Temperature	22°C
Test Date	20-Apr-16
Operator	WM

Additional Information

TSL Density	1.212 g/cm ³
TSL Heat-capacity	3.006 kJ/(kg*K)

f [MHz]	Measured			Target			Diff. to Target [%]	
	e'	e''	sigma	eps	sigma	Δ-eps	Δ-sigma	
600	57.2	24.76	0.83	56.1	0.95	2.0	-13.2	
625	57.0	24.43	0.85	56.0	0.95	1.7	-11.0	
650	56.7	24.11	0.87	55.9	0.96	1.4	-8.8	
675	56.4	23.82	0.89	55.8	0.96	1.1	-6.6	
700	56.1	23.53	0.92	55.7	0.96	0.7	-4.5	
725	55.9	23.32	0.94	55.6	0.96	0.5	-2.2	
750	55.7	23.12	0.96	55.5	0.96	0.2	0.1	
775	55.4	22.93	0.99	55.4	0.97	-0.1	2.4	
800	55.1	22.73	1.01	55.3	0.97	-0.4	4.6	
825	54.9	22.59	1.04	55.2	0.98	-0.7	6.0	
838	54.8	22.52	1.05	55.2	0.98	-0.8	6.7	
850	54.6	22.45	1.06	55.2	0.99	-0.9	7.4	
875	54.4	22.32	1.09	55.1	1.02	-1.2	6.6	
900	54.1	22.19	1.11	55.0	1.05	-1.6	5.8	
925	53.9	22.09	1.14	55.0	1.06	-1.9	6.9	
950	53.7	21.98	1.16	54.9	1.08	-2.2	8.0	
975	53.5	21.91	1.19	54.9	1.09	-2.6	9.3	
1000	53.2	21.83	1.21	54.8	1.10	-2.9	10.6	

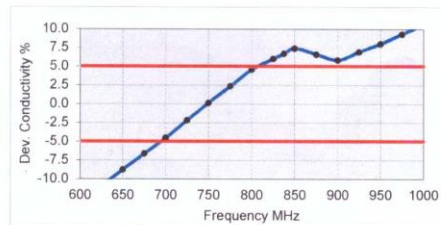
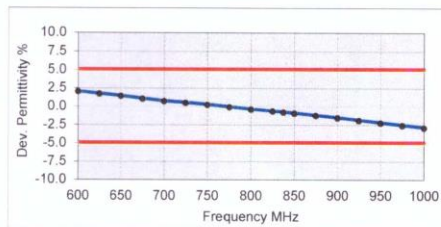


Figure D-2
750MHz Body Tissue Equivalent Matter

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APPENDIX E: SAR SYSTEM VALIDATION

Per FCC KDB Publication 865664 D02v01r02, SAR system validation status should be documented to confirm measurement accuracy. The SAR systems (including SAR probes, system components and software versions) used for this device were validated against its performance specifications prior to the SAR measurements. Reference dipoles were used with the required tissue- equivalent media for system validation, according to the procedures outlined in FCC KDB Publication 865664 D01v01r04 and IEEE 1528-2013. Since SAR probe calibrations are frequency dependent, each probe calibration point was validated at a frequency within the valid frequency range of the probe calibration point, using the system that normally operates with the probe for routine SAR measurements and according to the required tissue-equivalent media.

A tabulated summary of the system validation status including the validation date(s), measurement frequencies, SAR probes and tissue dielectric parameters has been included.

Table E-1
SAR System Validation Summary

SAR SYSTEM #	FREQ. [MHz]	DATE	PROBE SN	PROBE TYPE	PROBE CAL. POINT		COND.	PERM.	CW VALIDATION			MOD. VALIDATION		
							(σ)	(εr)	SENSITIVITY	PROBE LINEARITY	PROBE ISOTROPY	MOD. TYPE	DUTY FACTOR	PAR
AM3	750	8/29/2018	7416	EX3DV4	750	Body	0.960	55.009	PASS	PASS	PASS	N/A	N/A	N/A
AM5	750	4/24/2018	7490	EX3DV4	750	Body	0.940	57.400	PASS	PASS	PASS	N/A	N/A	N/A
AM5	835	4/24/2018	7490	EX3DV4	835	Body	0.979	57.188	PASS	PASS	PASS	GMSK	PASS	N/A
AM8	1750	6/20/2018	3287	ES3DV3	1750	Body	1.437	53.450	PASS	PASS	PASS	N/A	N/A	N/A
AM3	1900	2/6/2018	3288	ES3DV3	1900	Body	1.519	51.097	PASS	PASS	PASS	GMSK	PASS	N/A
AM6	1900	4/3/2018	3131	ES3DV3	1900	Body	1.555	51.277	PASS	PASS	PASS	GMSK	PASS	N/A
AM2	2300	6/29/2018	3022	ES3DV2	2300	Body	1.872	51.973	PASS	PASS	PASS	N/A	N/A	N/A
AM1	2450	7/16/2018	3275	ES3DV3	2450	Body	2.004	52.717	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
AM7	2450	4/2/2018	3329	ES3DV3	2450	Body	2.023	50.604	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
AM7	2600	4/3/2018	3329	ES3DV3	2600	Body	2.166	50.360	PASS	PASS	PASS	TDD	PASS	N/A
AM6	5250	4/5/2018	3837	EX3DV4	5250	Body	5.455	47.993	PASS	PASS	PASS	OFDM	N/A	PASS
AM6	5600	4/6/2018	3837	EX3DV4	5600	Body	5.963	47.270	PASS	PASS	PASS	OFDM	N/A	PASS
AM6	5750	4/6/2018	3837	EX3DV4	5750	Body	6.176	47.000	PASS	PASS	PASS	OFDM	N/A	PASS

NOTE: While the probes have been calibrated for both CW and modulated signals, all measurements were performed using communication systems calibrated for CW signals only. Modulations in the table above represent test configurations for which the measurement system has been validated per FCC KDB Publication 865664 D01v01r04 for scenarios when CW probe calibrations are used with other signal types. SAR systems were validated for modulated signals with a periodic duty cycle, such as GMSK, or with a high peak to average ratio (>5 dB), such as OFDM according to FCC KDB Publication 865664 D01v01r04.

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APPENDIX G: POWER REDUCTION VERIFICATION

The device supports manufacturer's proprietary power reduction mechanism called "Detect Mode" for the Main Cellular Antenna. Details of this mechanism can be found in the Operational Description. When the device is being used "on-body" or "held in hand" by the user, the device will detect motion and reduce the power of the main antenna. Per the manufacturer, the mechanism is agnostic to different cellular air interfaces. Detect Mode operation was verified for two test cases, on-body and held in hand, for each supported cellular band. The power reduction verification results are below.

1.1 Main Antenna Power Reduction Verification Summary

Table G-1
Main Antenna Power Reduction Verification

Mode/Band	Maximum Target Power [dBm] (Tolerance [dB])	Reduced Target Power [dBm] (Tolerance [dB])	Conducted Power [dBm]			Verdict
			Maximum	Test Case 1	Test Case 2	
GPRS 850 (2 Tx)	28.50 (±0.75)	26.95 (±0.75)	28.47	26.81	26.83	PASS
GPRS 1900 (2 Tx)	27.50 (±0.75)	20.55 (±0.75)	27.68	20.69	20.68	PASS
WCDMA B5	23.25 (±0.50)	19.50 (±0.50)	23.42	19.64	19.57	PASS
WCDMA B4	25.00 (±0.50)	14.25 (±0.50)	25.20	14.28	14.27	PASS
WCDMA B2	25.00 (±0.50)	13.70 (±0.50)	25.01	13.56	13.67	PASS
LTE Band 12	25.00 (±0.50)	19.50 (±0.50)	25.31	19.65	19.52	PASS
LTE Band 17	23.25 (±0.50)	19.20 (±0.50)	23.22	19.17	19.28	PASS
LTE Band 14	25.00 (±0.50)	20.80 (±0.50)	24.84	20.61	20.65	PASS
LTE Band 13	23.25 (±0.50)	20.80 (±0.50)	23.51	20.61	20.55	PASS
LTE Band 5	25.00 (±0.50)	20.90 (±0.50)	25.02	20.88	20.86	PASS
LTE Band 26	23.25 (±0.50)	19.80 (±0.50)	23.03	19.38	19.42	PASS
LTE Band 4	21.50 (±0.50)	14.20 (±0.50)	21.90	14.58	14.65	PASS
LTE Band 66	21.50 (±0.50)	14.20 (±0.50)	21.62	14.39	14.42	PASS
LTE Band 2	22.00 (±0.50)	13.20 (±0.50)	22.23	13.27	13.24	PASS
LTE Band 25	21.50 (±0.50)	13.50 (±0.50)	21.49	13.48	13.46	PASS
LTE Band 25	22.00 (±0.50)	13.20 (±0.50)	22.12	13.29	13.26	PASS
LTE Band 25	24.00 (±0.50)	14.80 (±0.50)	24.50	15.21	15.26	PASS
LTE Band 30	23.00 (±0.50)	13.00 (±0.50)	23.18	13.29	13.04	PASS
LTE Band 7	23.50 (±0.50)	11.50 (±0.50)	23.59	11.61	11.52	PASS
LTE Band 41	26.50 (±0.50)	14.50 (±0.50)	26.78	14.64	14.64	PASS

Test Case 1: Device Held in Hand

Test Case 2: Device Resting on Lap

Test Cases represent typical scenarios in which the device power would be reduced. In these scenarios detect mode has been verified to identify typical on-body use-cases including when thin objects, such as a magazine or newspaper, are placed between the body and the device. In the absence of detect mode output, the device defaults to the most conservative power.

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APPENDIX H: DOWNLINK LTE CA RF CONDUCTED POWERS

1.1 LTE Downlink Only Carrier Aggregation Test Reduction Methodology

SAR test exclusion for LTE downlink Carrier Aggregation is determined by power measurements according to the number of component carriers (CCs) supported by the product implementation. Per April 2018 TCBC Workshop Notes, the following test reduction methodology was applied to determine the combinations required for conducted power measurements.

LTE DLCA Test Reduction Methodology:

- The supported combinations were arranged by the number of component carriers in columns.
- Any limitations on the PCC or SCC for each combination were identified alongside the combination (e.g. CA_2A-2A-4A-12A, but B12 can only be configured as a SCC).
- Power measurements were performed for "supersets" (LTE CA combinations with multiple components carriers) and any "subsets" (LTE CA combinations with fewer component carriers) that were not completely covered by the supersets.
- Only subsets that have the exact same components as a superset were excluded for measurement.
- When there were certain restrictions on component carriers that existed in the superset that were not applied for the subset, the subset configuration was additionally evaluated.
- Both inter-band and intra-band downlink carrier aggregation scenarios were considered.
- Downlink CA combinations for SISO and 4x4 Downlink MIMO operations were measured independently, per May 2017 TCBC Workshop notes.

Table 1 – Example of Exclusion Table for SISO Configurations

Index		JTC	Approved Change Submittal (ACS)		Reduction	Completely Covered by Measurement Support	Index		JTC	Approved Change Submittal (ACS)		Reduction	Completely Covered by Measurement Support	Index		JTC	Approved Change Submittal (ACS)		Reduction	Completely Covered by Measurement Support															
			CC1	CC2						CC1	CC2	CC3	CC4				CC1	CC2	CC3	CC4	CC5														
CC141	CC-2	5.10.10.20	5.10.10.20	5.10.10.20	CC146	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	CC146	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	CC146	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	CC146	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20
CC142	CC-2	5.10.10.20	5.10.10.20	5.10.10.20	CC147	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	CC147	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	CC147	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	CC147	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20
CC143	CC-2	5.10.10.20	5.10.10.20	5.10.10.20	CC148	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	CC148	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	CC148	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	CC148	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20
CC144	CC-2	5.10.10.20	5.10.10.20	5.10.10.20	CC149	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	CC149	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	CC149	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	CC149	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20
CC145	CC-2	5.10.10.20	5.10.10.20	5.10.10.20	CC150	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	CC150	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	CC150	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	CC150	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20
CC146	CC-2	5.10.10.20	5.10.10.20	5.10.10.20	CC151	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	CC151	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	CC151	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	CC151	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20
CC147	CC-2	5.10.10.20	5.10.10.20	5.10.10.20	CC152	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	CC152	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	CC152	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	CC1	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20
CC148	CC-2	5.10.10.20	5.10.10.20	5.10.10.20	CC153	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	CC153	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	CC153	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	CC153	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20
CC149	CC-2	5.10.10.20	5.10.10.20	5.10.10.20	CC154	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	CC154	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	CC154	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	CC154	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20
CC150	CC-2	5.10.10.20	5.10.10.20	5.10.10.20	CC155	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	CC155	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	CC155	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	CC155	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20
CC151	CC-2	5.10.10.20	5.10.10.20	5.10.10.20	CC156	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	CC156	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	CC156	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	CC156	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20
CC152	CC-2	5.10.10.20	5.10.10.20	5.10.10.20	CC157	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	CC157	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	CC157	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	CC157	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20
CC153	CC-2	5.10.10.20	5.10.10.20	5.10.10.20	CC158	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	CC158	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	CC158	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	CC158	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20
CC154	CC-2	5.10.10.20	5.10.10.20	5.10.10.20	CC159	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	CC159	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	CC159	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	CC159	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20
CC155	CC-2	5.10.10.20	5.10.10.20	5.10.10.20	CC160	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	CC160	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	CC160	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	CC160	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20
CC156	CC-2	5.10.10.20	5.10.10.20	5.10.10.20	CC161	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	CC161	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	CC161	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	CC161	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20
CC157	CC-2	5.10.10.20	5.10.10.20	5.10.10.20	CC162	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	CC162	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	CC162	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	CC162	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20
CC158	CC-2	5.10.10.20	5.10.10.20	5.10.10.20	CC163	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	CC163	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	CC163	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	CC163	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20
CC159	CC-2	5.10.10.20	5.10.10.20	5.10.10.20	CC164	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	CC164	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	CC164	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	CC164	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20
CC160	CC-2	5.10.10.20	5.10.10.20	5.10.10.20	CC165	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	CC165	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	CC165	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	CC165	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20
CC161	CC-2	5.10.10.20	5.10.10.20	5.10.10.20	CC166	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	CC166	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	CC166	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	CC166	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20
CC162	CC-2	5.10.10.20	5.10.10.20	5.10.10.20	CC167	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	CC167	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	CC167	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	CC167	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20
CC163	CC-2	5.10.10.20	5.10.10.20	5.10.10.20	CC168	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	CC168	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	CC168	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	CC168	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20
CC164	CC-2	5.10.10.20	5.10.10.20	5.10.10.20	CC169	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	CC169	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	CC169	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	CC169	CC-24-20-44	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10.20	5.10.10							

Table 2 – Example of Exclusion Table for 4x4 Downlink MIMO Configurations

Index	ACC	Supported Channel Bandwidth (MHz)				Restriction	Completely Covered by Measurement Support
		CC1	CC2	CC3	CC4		
ACC#001	CA [2C]	5, 10, 15, 20	5, 10, 15, 20	No	ACC#006		
ACC#002	CA [2A] 2A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20	ACC#007		
ACC#003	CA [2A] 2A	5, 10, 15, 20	5, 10, 15, 20	No	ACC#008		
ACC#004	CA [2A] 4A [2]	5, 10, 15, 20	5, 10, 15, 20	No	ACC#009		
ACC#005	CA [2A] 4A [2]	5, 10, 15, 20	5, 10, 15, 20	No	ACC#010		
ACC#006	CA [2A] 5A	5, 10, 15, 20	5, 10	ACC#011			
ACC#007	CA [2A] 12A [1]	5, 10, 15, 20	5, 10	ACC#012			
ACC#008	CA [2A] 12A	5, 10, 15, 20	10	ACC#013			
ACC#009	CA [2A] 17A	5, 10	5, 10	No	ACC#014		
ACC#010	CA [2A] 29A [2]	5, 10, 15, 20	5, 10	B29 SCC only	ACC#015		
ACC#011	CA [2A] 30A	5, 10, 15, 20	5, 10	ACC#016			
ACC#012	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#017			
ACC#013	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#018			
ACC#014	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#019			
ACC#015	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#020			
ACC#016	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#021			
ACC#017	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#022			
ACC#018	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#023			
ACC#019	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#024			
ACC#020	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#025			
ACC#021	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#026			
ACC#022	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#027			
ACC#023	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#028			
ACC#024	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#029			
ACC#025	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#030			
ACC#026	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#031			
ACC#027	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#032			
ACC#028	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#033			
ACC#029	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#034			
ACC#030	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#035			
ACC#031	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#036			
ACC#032	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#037			
ACC#033	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#038			
ACC#034	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#039			
ACC#035	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#040			
ACC#036	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#041			
ACC#037	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#042			
ACC#038	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#043			
ACC#039	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#044			
ACC#040	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#045			
ACC#041	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#046			
ACC#042	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#047			
ACC#043	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#048			
ACC#044	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#049			
ACC#045	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#050			
ACC#046	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#051			
ACC#047	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#052			
ACC#048	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#053			
ACC#049	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#054			
ACC#050	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#055			
ACC#051	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#056			
ACC#052	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#057			
ACC#053	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#058			
ACC#054	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#059			
ACC#055	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#060			
ACC#056	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#061			
ACC#057	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#062			
ACC#058	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#063			
ACC#059	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#064			
ACC#060	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#065			
ACC#061	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#066			
ACC#062	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#067			
ACC#063	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#068			
ACC#064	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#069			
ACC#065	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#070			
ACC#066	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#071			
ACC#067	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#072			
ACC#068	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#073			
ACC#069	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#074			
ACC#070	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#075			
ACC#071	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#076			
ACC#072	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#077			
ACC#073	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#078			
ACC#074	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#079			
ACC#075	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#080			
ACC#076	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#081			
ACC#077	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#082			
ACC#078	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#083			
ACC#079	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#084			
ACC#080	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#085			
ACC#081	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#086			
ACC#082	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#087			
ACC#083	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#088			
ACC#084	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#089			
ACC#085	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#090			
ACC#086	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#091			
ACC#087	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#092			
ACC#088	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#093			
ACC#089	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#094			
ACC#090	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#095			
ACC#091	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#096			
ACC#092	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#097			
ACC#093	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#098			
ACC#094	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#099			
ACC#095	CA [2A] 66A [2]	5, 10, 15, 20	5, 10, 15, 20	ACC#100			

Note: [CC] indicates component carrier with 4x4 DL MIMO antenna configuration

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1.2 LTE Downlink Only Carrier Aggregation Test Selection and Setup

SAR test exclusion for LTE downlink Carrier Aggregation is determined by power measurements according to the number component carriers (CCs) supported by the product implementation. For those configurations required by April 2018 TCBC Workshop Notes, conducted power measurements with LTE Carrier Aggregation (CA) (downlink only) active are made in accordance to KDB Publication 941225 D05Av01r02. The RRC connection is only handled by one cell, the primary component carrier (PCC) for downlink and uplink communications. After making a data connection to the PCC, the UE device adds secondary component carrier(s) (SCC) on the downlink only. All uplink communications and acknowledgements remain identical to specifications when downlink carrier aggregation is inactive on the PCC. Additional conducted output powers are measured with the downlink carrier aggregation active for the configuration with highest measured maximum conducted power with downlink carrier aggregation inactive measured among the channel bandwidth, modulation, and RB combinations in each frequency band.

This device supports LAA with downlink carrier aggregation only. It uses carrier aggregation in the downlink to combine LTE in the unlicensed spectrum (i.e. LTE Band 46) with LTE in the licensed band (served as PCC). All uplink communications and acknowledgements on the PCC remain identical to specifications when downlink carrier aggregation is inactive.

Per FCC KDB Publication 941225 D05Av01r02, no SAR measurements are required for carrier aggregation configurations when the average output power with downlink only carrier aggregation active is not more than 0.25 dB higher than the average output power with downlink only carrier aggregation inactive.

General PCC and SCC configuration selection procedure

- PCC uplink channel, channel bandwidth, modulation and RB configurations were selected based on section C)3)b)ii) of KDB 941225 D05 V01r02. The downlink PCC channel was paired with the selected PCC uplink channel according to normal configurations without carrier aggregation.
- To maximize aggregated bandwidth, highest channel bandwidth available for that CA combination was selected for SCC. For inter-band CA, the SCC downlink channels were selected near the middle of their transmission bands. For contiguous intra-band CA, the downlink channel spacing between the component carriers was set to multiple of 300 kHz less than the nominal channel spacing defined in section 5.4.1A of 3GPP TS 36.521. For non-contiguous intra-band CA, the downlink channel spacing between the component carriers was set to be larger than the nominal channel spacing and provided maximum separation between the component carriers.
- All selected PCC and SCC(s) remained fully within the uplink/downlink transmission band of the respective component carrier.
- When a device supports LTE capabilities with overlapping transmission frequency ranges, the standalone powers from the band with a larger transmission frequency range can be used to select measurement configurations for the band with the fully covered transmission frequency range.

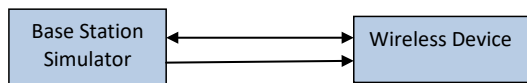


Figure 1
DL CA Power Measurement Setup

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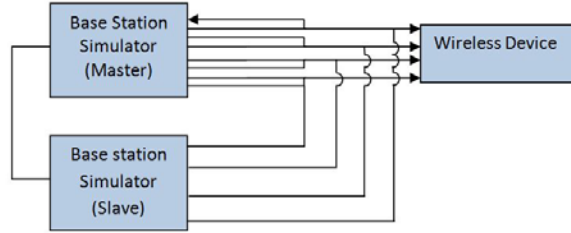


Figure 2
DL CA with DL 4x4 MIMO Power Measurement Setup

1.3 Downlink Carrier Aggregation RF Conducted Powers

1.3.1 LTE Band 12 as PCC

Table 1
Reduced Output Powers – Ant 1

Combination	PCC Band	PCC BW [MHz]	PCC [UL] Ch.	PCC [UL] Freq. [MHz]	Mod.	PCC UL/RB	PCC UL RB Offset	PCC [DL] Channel	PCC [DL] Freq. [MHz]	SCC 1				SCC 2				SCC 3				Power		
										SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	LTE Tx Power with DL CA	LTE Single Carrier Tx Power [dBm]	
CA 2A-12A	LTE B12	10	23095	707.5	QPSK	1	25	5095	737.5	LTE B2	20	900	1960	-	-	-	-	-	-	-	-	-	19.67	19.70
CA 4A-12A (1)	LTE B12	10	23095	707.5	QPSK	1	25	5095	737.5	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	-	-	19.68	19.70
CA 4A-12A (2)	LTE B12	10	23095	707.5	QPSK	1	25	5095	737.5	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	-	-	19.68	19.70
CA 12A-66A (1)	LTE B12	10	23095	707.5	QPSK	1	25	5095	737.5	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	-	19.70	19.70
CA 12A-66A (2)	LTE B12	10	23095	707.5	QPSK	1	25	5095	737.5	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	-	19.70	19.70
CA 2C-12A	LTE B12	10	23095	707.5	QPSK	1	25	5095	737.5	LTE B2	20	900	1960	LTE B2	20	702	1940.2	-	-	-	-	-	19.68	19.70
CA 4A-7A-12A (1)	LTE B12	10	23095	707.5	QPSK	1	25	5095	737.5	LTE B4	20	2175	2132.5	LTE B7	20	3100	2655	-	-	-	-	-	19.66	19.70
CA 2A-2A-12B	LTE B12	5	23095	707.5	64QAM	1	0	5095	737.5	LTE B12	5	5047	732.7	LTE B2	20	900	1960	LTE B2	20	700	1940	19.58	19.66	
CA 2A-2A-4A-12A	LTE B12	10	23095	707.5	QPSK	1	25	5095	737.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B4	20	2175	2132.5	19.65	19.70	
CA 2A-4A-12A	LTE B12	10	23095	707.5	QPSK	1	25	5095	737.5	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	19.63	19.70	
CA 2A-4A-12B	LTE B12	5	23095	707.5	64QAM	1	0	5095	737.5	LTE B12	5	5047	732.7	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	19.63	19.66	
CA 2A-2A-12A-30A	LTE B12	10	23095	707.5	QPSK	1	25	5095	737.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B30	10	9820	2355	19.67	19.70	
CA 2A-2A-12A-66A	LTE B12	10	23095	707.5	QPSK	1	25	5095	737.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	19.66	19.70	
CA 2A-12A-66A-66A	LTE B12	10	23095	707.5	QPSK	1	25	5095	737.5	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	67236	2190	19.66	19.70	
CA 2A-12A-66C	LTE B12	10	23095	707.5	QPSK	1	25	5095	737.5	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	19.64	19.70	
CA 2A-4A-12A-30A	LTE B12	10	23095	707.5	QPSK	1	25	5095	737.5	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B30	10	9820	2355	19.67	19.70	
CA 2A-4A-12A-66A	LTE B12	10	23095	707.5	QPSK	1	25	5095	737.5	LTE B2	20	900	1960	LTE B30	10	9820	2355	LTE B66	20	66786	2145	19.66	19.70	
CA 4A-4A-12B	LTE B12	5	23095	707.5	64QAM	1	0	5095	737.5	LTE B12	5	5047	732.7	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	19.62	19.66	
CA 4A-4A-12B-30A	LTE B12	10	23095	707.5	QPSK	1	25	5095	737.5	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B30	10	9820	2355	19.62	19.70	
CA 12A-30A-66A-66A	LTE B12	10	23095	707.5	QPSK	1	25	5095	737.5	LTE B30	10	9820	2355	LTE B66	20	66786	2145	LTE B66	20	67236	2190	19.65	19.70	

Table 2
Reduced Output Powers – Ant 3

Combination	PCC Band	PCC BW [MHz]	PCC					SCC 1				SCC 2				SCC 3				Power				
			PCC [UL] Ch.	PCC [UL] Freq. [MHz]	Mod.	PCC UL RB	PCC UL RB Offset	PCC [DL] Channel	PCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	LTE Tx Power with DL CA	LTE Single Carrier Tx Power [dBm]	
CA 2A-12A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B2	20	900	1960	-	-	-	-	-	-	-	-	-	19.99	20.00
CA 4A-12A (1)	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	-	-	19.96	20.00
CA 4A-12A (2)	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	-	-	19.97	20.00
CA 12A-66A (1)	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	-	19.93	20.00
CA 12A-66A (2)	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	-	19.94	20.00
CA 2C-12A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B2	20	900	1960	LTE B2	20	702	1940.2	-	-	-	-	-	20.00	20.00
CA 4A-7A-12A (1)	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B4	20	2175	2132.5	LTE B7	20	3100	2655	-	-	-	-	-	20.00	20.00
CA 2A-2A-12B	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B12	10	5107	738.7	LTE B2	20	900	1960	LTE B2	20	700	1940	19.98	20.00	
CA 2A-2A-4A-12A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B4	20	2175	2132.5	20.00	20.00	
CA 2A-4A-4A-12A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	19.90	20.00	
CA 2A-12B	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B12	10	5107	738.7	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	19.98	20.00	
CA 2A-2A-12A-30A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B30	10	9820	2355	19.87	20.00	
CA 2A-2A-12A-66A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	19.96	20.00	
CA 2A-12A-66A-66A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	67236	2190	19.85	20.00	
CA 2A-12A-66C	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	20.00	20.00	
CA 2A-4A-12A-30A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B30	10	9820	2355	20.00	20.00	
CA 2A-12A-30A-66A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B2	20	900	1960	LTE B30	10	9820	2355	LTE B66	20	66786	2145	20.00	20.00	
CA 4A-4A-12B	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B12	10	5107	738.7	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	20.00	20.00	
CA 4A-4A-12A-30A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B30	10	9820	2355	19.89	20.00	
CA 12A-30A-66A-66A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B30	10	9820	2355	LTE B66	20	66786	2145	LTE B66	20	67236	2190	20.00	20.00	

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1.3.2 LTE Band 17 as PCC

Table 3
Reduced Output Powers – Ant 1

	PCC									SCC 1				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA 2A-17A	LTE B17	10	23790	710	QPSK	1	25	5790	740	LTE B2	10	900	1960	19.70	19.70
CA 4A-17A	LTE B17	10	23790	710	QPSK	1	25	5790	740	LTE B4	10	2175	2132.5	19.69	19.70

Table 4
Reduced Output Powers – Ant 3

Combination	PCC									SCC 1				Power	
	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA 2A-17A	LTE B17	5	23755	706.5	16QAM	1	12	5755	736.5	LTE B2	10	900	1960	20.00	20.00
CA 4A-17A	LTE B17	5	23755	706.5	16QAM	1	12	5755	736.5	LTE B4	10	2175	2132.5	19.90	20.00

1.3.3 LTE Band 13 as PCC

Table 5
Reduced Output Powers – Ant 1

Combination	PCB Band	PCC				SCC 1				SCC 2				SCC 3				SCC 4				Power	
		PCC BW [MHz]	PCC (UL) Freq. [MHz]	PCC (DL) Freq. [MHz]	Mod.	PCC UL BW [MHz]	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx Power with CA Enabled [dBm]	LTE Single Carrier Tx Power [dBm]	
CA 2A-44A-13A	LTE B13	10	23320	782	QPSK	1	0	5230	751	LTE B2	20	900	1860	LTE B4	20	2175	2132.5					21.26	21.30
CA 2A-44A-16A	LTE B13	10	23320	782	QPSK	1	0	5230	751	LTE B2	20	900	1860	LTE B46	20	50665	5537.5					21.26	21.30
CA 4A-44A-13A	LTE B13	10	23320	782	QPSK	1	0	5230	751	LTE B46	20	2175	2132.5	LTE B4	20	2175	2132.5					21.26	21.30
CA 13A-66A-66A	LTE B13	10	23320	782	QPSK	1	0	5230	751	LTE B46	20	50665	5537.5	LTE B46	20	66786	7154					21.20	21.30
CA 2A-13A-66C	LTE B13	10	23320	782	QPSK	1	0	5230	751	LTE B2	20	900	1860	LTE B46	20	50665	5537.5	LTE B46	20	50665	5537.5	21.26	21.30
CA 2A-13A-66A	LTE B13	10	23320	782	QPSK	1	0	5230	751	LTE B2	20	900	1860	LTE B46	20	50665	5537.5	LTE B46	20	50665	5537.5	21.26	21.30
CA 2A-13A-66A-66A	LTE B13	10	23320	782	QPSK	1	0	5230	751	LTE B2	20	900	1860	LTE B46	20	50665	5537.5	LTE B46	20	50665	5537.5	21.26	21.30
CA 2A-13A-66C	LTE B13	10	23320	782	QPSK	1	0	5230	751	LTE B2	20	900	1860	LTE B46	20	50665	5537.5	LTE B46	20	50665	5537.5	21.26	21.30
CA 2A-13A-66C	LTE B13	10	23320	782	QPSK	1	0	5230	751	LTE B2	20	900	1860	LTE B46	20	50665	5537.5	LTE B46	20	50665	5537.5	21.26	21.30
CA 13A-66A-66C	LTE B13	10	23320	782	QPSK	1	0	5230	751	LTE B46	20	66786	7154	LTE B46	20	66786	7154	LTE B46	20	66786	7154	21.20	21.30
CA 13A-66A-66C	LTE B13	10	23320	782	QPSK	1	0	5230	751	LTE B46	20	66786	7154	LTE B46	20	66786	7154	LTE B46	20	66786	7154	21.20	21.30
CA 13A-46C-66A	LTE B13	10	23320	782	QPSK	1	0	5230	751	LTE B46	20	50665	5537.5	LTE B46	20	66786	7154	LTE B46	20	66786	7154	21.24	21.30
CA 2A-13A-46D	LTE B13	10	23320	782	QPSK	1	0	5230	751	LTE B2	20	900	1860	LTE B46	20	50665	5537.5	LTE B46	20	50665	5537.5	21.21	21.30
CA 13A-46E	LTE B13	10	23320	782	QPSK	1	0	5230	751	LTE B46	20	50665	5537.5	LTE B46	20	50665	5537.5	LTE B46	20	50665	5537.5	21.20	21.30
CA 13A-66A-66A	LTE B13	10	23320	782	QPSK	1	0	5230	751	LTE B46	20	66786	7154	LTE B46	20	66786	7154	LTE B46	20	66786	7154	21.20	21.30

Table 6
Reduced Output Powers – Ant 3

		PCC				SCC1				SCC2				SCC3				SCC4				Power	
Combination	PCB Band	PCC BW [MHz]	PCC (UL) Freq. [MHz]	Mod.	PCC UL RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx Power with CA Enabled [dBm]	LTE Single Carrier Tx Power [dBm]	
CA 2A-4A-13A	LTE B13	20	21320	762	QPSK	1	49	5230	751	LTE B2	20	800	1960	LTE B4	20	21375	21325	-	-	-	21.20	21.30	
CA 2A-13A-66A	LTE B13	20	21320	762	QPSK	1	49	5230	751	LTE B12	20	800	1960	LTE B46	20	50665	50575	-	-	-	21.20	21.30	
CA 4A-4A-13A	LTE B13	20	21320	762	QPSK	1	49	5230	751	LTE B4	20	21375	21325	LTE B4	20	21350	21350	-	-	-	21.20	21.30	
CA 13A-66A-66A	LTE B13	20	21320	762	QPSK	1	49	5230	751	LTE B46	20	50665	50575	LTE B46	20	66786	66786	-	-	-	21.20	21.30	
CA 2A-13A-66C	LTE B13	20	21320	762	QPSK	1	49	5230	751	LTE B2	20	800	1960	LTE B46	20	50665	50575	5137.7	15	66786	66786	21.20	21.30
CA 2A-13A-66A	LTE B13	20	21320	762	QPSK	1	49	5230	751	LTE B2	20	800	1960	LTE B46	20	50665	50575	5137.7	15	66786	66786	21.20	21.30
CA 2A-13A-66A-66A	LTE B13	20	21320	762	QPSK	1	49	5230	751	LTE B2	20	800	1960	LTE B46	20	50665	50575	5137.7	15	66786	66786	21.20	21.30
CA 2A-13A-66C	LTE B13	20	21320	762	QPSK	1	49	5230	751	LTE B2	20	800	1960	LTE B46	20	50665	50575	5137.7	15	66786	66786	21.20	21.30
CA 13A-66A-66C	LTE B13	20	21320	762	QPSK	1	49	5230	751	LTE B46	20	66786	66786	5	67048	21482	1	67261	21425	-	21.20	21.30	
CA 13A-66C-66A	LTE B13	20	21320	762	QPSK	1	49	5230	751	LTE B46	20	66786	66786	5	67048	21482	1	67261	21425	-	21.20	21.30	
CA 13A-66C-66A	LTE B13	20	21320	762	QPSK	1	49	5230	751	LTE B46	20	66786	66786	5	67048	21482	1	67261	21425	-	21.20	21.30	
CA 2A-13A-40D	LTE B13	20	21320	762	QPSK	1	49	5230	751	LTE B2	20	800	1960	LTE B46	20	50665	50575	5137.7	15	50687	50577	21.15	21.30
CA 13A-46E	LTE B13	20	21320	762	QPSK	1	49	5230	751	LTE B46	20	50665	50575	LTE B46	20	50665	50577	LTE B46	20	50687	50577	21.15	21.30
CA 13A-66D-66A	LTE B13	20	21320	762	QPSK	1	49	5230	751	LTE B46	20	50665	50575	LTE B46	20	50665	50577	LTE B46	20	50687	50577	21.15	21.30
CA 2A-13A-66C	LTE B13	20	21320	762	QPSK	1	49	5230	751	LTE B2	20	800	1960	LTE B46	20	50665	50575	5137.7	15	50687	50577	21.15	21.30
CA 13A-66A-66C	LTE B13	20	21320	762	QPSK	1	49	5230	751	LTE B46	20	66786	66786	5	67048	21482	1	67261	21425	-	21.20	21.30	
CA 13A-66C-66A	LTE B13	20	21320	762	QPSK	1	49	5230	751	LTE B46	20	66786	66786	5	67048	21482	1	67261	21425	-	21.20	21.30	
CA 13A-66C-66A	LTE B13	20	21320	762	QPSK	1	49	5230	751	LTE B46	20	66786	66786	5	67048	21482	1	67261	21425	-	21.20	21.30	

1.3.4 LTE Band 14 as PCC

Table 7
Reduced Output Powers – Ant 1

Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch	PCC				SSC 1				SSC 2				SSC 3				Power			
				PCC (UL) Freq. [MHz]	Mod.	PCC UL RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SSC Band	SSC BW [MHz]	SSC (DL) Channel	SSC (DL) Freq. [MHz]	SSC Band	SSC BW [MHz]	SSC (DL) Channel	SSC (DL) Freq. [MHz]	SSC Band	SSC BW [MHz]	SSC (DL) Channel	SSC (DL) Freq. [MHz]	LTE Tx Power with DL CA Enabled (dbm)	LTE Single Carrier Tx Power (dbm)
CA_2A-2A-14A-66A	LTE B14	5	23330	793	16QAM	1	0	5330	763	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	21.18	21.28
CA_2A-14A-66A-66A	LTE B14	5	23330	793	16QAM	1	0	5330	763	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	67236	2190	21.21	21.30
CA_2A-14A-20A-66A	LTE B14	5	23330	793	16QAM	1	0	5330	763	LTE B2	20	900	1960	LTE B10	10	9820	2355	LTE B66	20	66786	2145	21.11	21.20
CA_14A-30A-66A-66A	LTE B14	5	23330	793	16QAM	1	0	5330	763	LTE B80	10	9820	2355	LTE B66	20	96726	2145	LTE B66	20	67236	2190	21.13	21.28

Table 8
Reduced Output Powers – Ant 3

Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC					SCC 1					SCC 2			SCC 3				Power		
				PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_2A-2A-14A-66A	LTE B14	10	23330	793	QPSK	1	0	5330	763	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	21.24	21.30
CA_2A-14A-66A-66A	LTE B14	10	23330	793	QPSK	1	0	5330	763	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	67236	2190	21.24	21.30
CA_2A-14A-30A-66A	LTE B14	10	23330	793	QPSK	1	0	5330	763	LTE B2	20	900	1960	LTE B2	20	68236	2135	LTE B66	20	66786	2145	21.24	21.30
CA_14A-30A-66A-66A	LTE B14	10	23330	793	QPSK	1	0	5330	763	LTE B30	20	9820	2365	LTE B66	20	68236	2135	LTE B66	20	67236	2190	21.24	21.30

FCC ID: BCGA1934	 SAR EVALUATION REPORT	Reviewed by: Quality Manager
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1.3.5 LTE Band 5 as PCC

Table 9
Reduced Output Powers – Ant 1

																				Power								
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC 1				SCC 2				SCC 3				SCC 4				LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)	
										SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]			
CA SA-7A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B7	20	3100	2655	-	-	-	-	-	-	-	-	-	-	-	-	20.28	20.30	
CA SA-7A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B25	20	8365	1962.5	-	-	-	-	-	-	-	-	-	-	-	-	20.25	20.30	
CA SA-43A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B41	20	40620	2593	-	-	-	-	-	-	-	-	-	-	-	-	20.30	20.30	
CA SA-46A (1)	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	-	-	-	-	20.30	20.30	
CA SA-46A (2)	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B4	20	2175	2132.5	-	-	-	-	-	20.23	20.30
CA SA-46A (3)	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B46	20	50665	5537.5	LTE B46	20	50667	5537.7	-	-	-	-	-	-	-	-	20.20	20.30	
CA SA-46C (1)	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B46	20	50665	5537.5	LTE B46	20	50667	5537.7	-	-	-	-	-	-	-	-	20.20	20.30	
CA SA-2A-SA-4A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B4	20	2175	2132.5	-	-	-	-	-	20.19	20.30
CA SA-2A-SA-4A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B4	20	960	1960	LTE B4	20	2175	2132.5	LTE B4	10	2160	2150	-	-	-	-	-	20.20	20.30
CA SA-2A-SA-3DA	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B5	1	2453	874.3	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	-	-	-	-	-	20.15	20.30
CA SA-2A-SA-3DA	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B30	10	8620	2355	-	-	-	-	-	20.23	20.30
CA SA-2A-SA-66A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	-	-	-	-	-	20.18	20.30
CA SA-2A-SA-66A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B2	20	900	1960	LTE B46	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	-	20.23	20.30
CA SA-2A-SA-66A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B30	10	8620	2355	-	-	-	-	-	20.17	20.30
CA SA-4A-SA-3DA	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B2	20	900	1960	LTE B30	10	8620	2355	LTE B66	20	66786	2145	-	-	-	-	-	20.16	20.30
CA SA-4A-SA-3DA	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B5	1	2453	874.3	LTE B4	20	2175	2132.5	LTE B4	10	2160	2150	-	-	-	-	-	20.17	20.30
CA SA-4A-SA-3DA	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B4	20	2175	2132.5	LTE B4	10	2160	2150	LTE B30	10	8620	2355	-	-	-	-	-	20.21	20.30
CA SA-46D (1)	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B46	20	50665	5537.5	LTE B46	20	50667	5537.7	LTE B46	20	50663	5537.3	-	-	-	-	-	20.15	20.30
CA SA-66B	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B66	20	66786	2145	LTE B66	20	66786	2145	LTE B66	20	66688	2164.8	-	-	-	-	-	20.16	20.30
CA SA-66A-66B	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B66	20	66786	2145	LTE B66	15	67261	2192.5	LTE B66	15	67261	2192.5	-	-	-	-	-	20.20	20.30
CA SA-66A-66C	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B66	20	66786	2145	LTE B66	20	67038	2170.3	LTE B66	20	67236	2190	-	-	-	-	-	20.22	20.30
CA SA-3DA-66A-66A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B30	10	8620	2355	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	-	20.17	20.30
CA SA-2A-SA-66B	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	15	66786	2145	LTE B66	15	66879	2164.3	19.87	20.30	
CA SA-2A-SA-66C	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	LTE B66	20	66784	2164.8	19.98	20.30	
CA SA-3B-SA-66A-66A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B5	1	2453	874.3	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	66786	2145	19.97	20.30	
CA SA-5B-66C	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B5	1	2453	874.3	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	66684	2164.8	19.91	20.30	
CA SA-3B-SA-66A-66A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B5	1	2453	874.3	LTE B30	10	8620	2355	LTE B66	20	66786	2145	LTE B66	20	67236	2190	19.88	20.30	

Table 10
Reduced Output Powers – Ant 3

Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC 1				SCC 2				SCC 3				SCC 4				Power		
										SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx Power with DC CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)	
CA SA-7A	LTE B5	1	20525	836.5	16QAM	1	7	2525	881.5	LTE B7	20	3100	2655	-	-	-	-	-	-	-	-	-	-	-	-	21.40	21.39	
CA SA-7A	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	LTE B25	20	8365	1962.5	-	-	-	-	-	-	-	-	-	-	-	-	21.40	21.39	
CA SA-43A	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	LTE B43	20	40620	2593	-	-	-	-	-	-	-	-	-	-	-	-	21.40	21.39	
CA SA-46A (1)	LTE B5	1	20525	836.5	16QAM	1	7	2525	881.5	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	-	-	-	-	21.39	21.39	
CA SA-46A (2)	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	LTE B2	20	900	1960	LTE B2	20	700	1940	-	-	-	-	-	-	-	-	-	21.40	21.39
CA SA-46A (3)	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	LTE B46	20	50665	5537.5	LTE B46	20	50667	5537.7	-	-	-	-	-	-	-	-	21.39	21.39	
CA SA-2A-4A-4A	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B4	20	2175	2132.5	-	-	-	-	-	21.38	21.39
CA SA-2A-4A-4A	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B4	10	2160	2150	-	-	-	-	-	21.30	21.39
CA SA-2A-SA-3DA	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B30	10	8620	2355	-	-	-	-	-	21.33	21.39
CA SA-2A-SA-66A	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	-	-	-	-	-	21.35	21.39
CA SA-2A-SA-66A	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	LTE B2	20	900	1960	LTE B46	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	-	21.40	21.39
CA SA-4A-SA-3DA	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B30	10	8620	2355	-	-	-	-	-	21.40	21.39
CA SA-4A-SA-3DA	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	LTE B2	20	900	1960	LTE B30	10	8620	2355	LTE B66	20	66786	2145	-	-	-	-	-	21.38	21.39
CA SA-4A-SA-3DA	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	LTE B5	1	2453	874.3	LTE B4	20	2175	2132.5	LTE B4	10	2160	2150	-	-	-	-	-	21.40	21.39
CA SA-46D (1)	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	LTE B46	20	50665	5537.5	LTE B46	20	50667	5537.7	LTE B46	20	50663	5537.3	-	-	-	-	-	21.38	21.39
CA SA-66B	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	LTE B66	20	66786	2145	LTE B66	20	66786	2145	LTE B66	20	66688	2164.8	-	-	-	-	-	21.39	21.39
CA SA-66A-66B	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	LTE B66	20	66786	2145	LTE B66	15	67261	2192.5	LTE B66	15	67261	2192.5	-	-	-	-	-	21.39	21.39
CA SA-66A-66C	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	LTE B66	20	66786	2145	LTE B66	10	67038	2170.2	LTE B66	10	67236	2190	-	-	-	-	-	21.39	21.39
CA SA-3DA-66A-66B	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	-	-	-	-	-	21.38	21.39
CA SA-2A-SA-66B	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	15	66786	2145	-	-	-	-	-	21.38	21.39
CA SA-2A-SA-66C	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	-	-	-	-	-	21.30	21.39
CA SA-3B-5B-66A-66B	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	LTE B3	20	2453	874.3	LTE B3	20	2453	874.3	LTE B66	20	66786	2145	-	-	-	-	-	21.38	21.39
CA SA-5B-66B	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	LTE B5	1	2453	874.3	LTE B2	20	900	1960	LTE B66	20	66786	2145	-	-	-	-	-	21.38	21.39
CA SA-5B-66C	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	LTE B5	1	2453	874.3	LTE B2	20	900	1960	LTE B30	10	8620	2355	-	-	-	-	-	21.38	21.39
CA SA-3B-5B-66A-66B	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	LTE B3	20	2453	874.3	LTE B3	20	2453	874.3	LTE B66	20	66786	2145	-	-	-	-	-	21.38	21.39
CA SA-5B-66B	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	LTE B5	1	2453	874.3	LTE B2	20	900	1960	LTE B66	20	66786	2145	-	-	-	-	-	21.37	21.39
CA SA-5B-66C	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	LTE B5	1	2453	874.3	LTE B2	20	900	1960	LTE B30	10	8620	2355	-	-	-	-	-	21.37	21.39

1.3.7 LTE Band 4 as PCC

Table 13
Reduced Output Powers – Ant 2A

Combination	PCC Band	PCC BW [MHz]	PCC										SCC 1				SCC 2				SCC 3				SCC 4				Power	
			PCC [UL] Ch.	PCC [UL] Freq. [MHz]	Mod.	PCC UL RB	PCC UL RB Offset	PCC [DL] Channel	PCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)			
CA 2A-4A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B2	20	900	1960	-	-	-	-	-	-	-	-	-	-	-	-	-	14.39	14.70		
CA 4A-12A(1)	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	-	14.70	14.70		
CA 4A-12A(2)	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	-	14.70	14.70		
CA 4A-17A	LTE B4	10	20000	1715	64QAM	1	49	2000	2115	LTE B17	10	5790	740	-	-	-	-	-	-	-	-	-	-	-	-	-	14.70	14.68		
CA 4A-29A	LTE B4	20	20050	1715	64QAM	1	49	2000	2115	LTE B20	10	5715	722.5	-	-	-	-	-	-	-	-	-	-	-	-	-	14.69	14.68		
CA 2A-4A-13A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B2	20	900	1960	LTE B13	10	5230	751	-	-	-	-	-	-	-	-	-	-	14.70	14.70	
CA 4A-7A(1)	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B4	20	2300	2145	LTE B7	20	3100	2655	-	-	-	-	-	-	-	-	-	-	14.70	14.70	
CA 4A-7A(2)	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B4	20	2300	2145	LTE B7	20	3100	2655	-	-	-	-	-	-	-	-	-	-	14.70	14.70	
CA 4A-13A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B4	20	2300	2145	LTE B13	10	5230	751	-	-	-	-	-	-	-	-	-	-	14.70	14.70	
CA 4A-29A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B4	20	2300	2145	LTE B20	10	5715	722.5	-	-	-	-	-	-	-	-	-	-	14.69	14.70	
CA 4A-4A-46A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B4	20	50465	5337.5	LTE B4	20	47090	5180	-	-	-	-	-	-	-	-	-	-	14.66	14.70	
CA 4A-7A-12A(1)	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B2	20	900	1960	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	14.70	14.70	
CA 2A-2A-4A-4A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B4	20	2300	2145	LTE B2	20	700	1940	LTE B5	10	2525	881.5	-	-	-	-	-	-	14.66	14.70	
CA 2A-2A-4A-5A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B4	20	2300	2145	LTE B2	20	900	1960	LTE B5	10	2525	881.5	-	-	-	-	-	-	14.66	14.70	
CA 2A-4A-5A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B5	10	2525	881.5	-	-	-	-	-	-	14.70	14.70	
CA 2A-2A-4A-12A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B4	20	2300	2145	LTE B2	20	900	1960	LTE B12	10	5095	737.5	-	-	-	-	-	-	14.70	14.70	
CA 2A-4A-12A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B2	20	900	1960	LTE B12	10	5095	737.5	LTE B12	10	5047	732.7	-	-	-	-	-	-	14.70	14.70	
CA 2A-4A-5A-30A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B30	10	8920	2355	-	-	-	-	-	-	14.67	14.70	
CA 2A-4A-12A-30A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B2	20	900	1960	LTE B12	10	5095	737.5	LTE B30	10	8920	2355	-	-	-	-	-	-	14.68	14.70	
CA 2A-4A-29A-30A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B2	20	900	1960	LTE B20	10	5715	722.5	LTE B30	10	8920	2355	-	-	-	-	-	-	14.68	14.70	
CA 4A-4A-5A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B4	20	2300	2145	LTE B5	10	2525	881.5	LTE B5	10	2525	881.5	-	-	-	-	-	-	14.65	14.70	
CA 4A-4A-12A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B4	20	2300	2145	LTE B12	10	5047	732.7	-	-	-	-	-	-	-	-	-	-	14.70	14.70	
CA 4A-4A-46C	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B4	20	50465	5337.5	LTE B4	20	47090	5180	-	-	-	-	-	-	-	-	-	-	14.67	14.70	
CA 4A-4A-5A-30A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B4	20	2300	2145	LTE B5	10	2525	881.5	LTE B30	10	8920	2355	-	-	-	-	-	-	14.68	14.70	
CA 4A-4A-12A-30A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B4	20	2300	2145	LTE B12	10	5095	737.5	LTE B30	10	8920	2355	-	-	-	-	-	-	14.70	14.70	
CA 4A-4A-46D	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B4	20	53144	5785.4	LTE B4	20	53144	5785.4	LTE B4	20	53144	5825	-	-	-	-	-	-	14.60	14.70	

Table 14
Reduced Output Powers – Ant 2B

Combination	PCC Band	PCC BW [MHz]	PCC [UL] Ch.	PCC [UL] Freq. [MHz]	Mod.	PCC UL RB	PCC UL RB Offset	PCC [DL] Channel	PCC [DL] Freq. [MHz]	SCC 1				SCC 2				SCC 3				SCC 4				Power			
										SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)		
CA 2A-4A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	LTE B2	20	900	1960	-	-	-	-	-	-	-	-	-	-	-	-	-	14.39	14.30	
CA 4A-12A(1)	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	-	14.30	14.30	
CA 4A-12A(2)	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	-	14.30	14.30	
CA 4A-17A	LTE B4	10	20300	1715	64QAM	1	49	2000	2115	LTE B17	10	5790	740	-	-	-	-	-	-	-	-	-	-	-	-	-	14.30	14.30	
CA 4A-29A	LTE B4	20	20050	1715	64QAM	1	49	2000	2115	LTE B20	10	5715	722.5	-	-	-	-	-	-	-	-	-	-	-	-	-	14.23	14.30	
CA 2A-4A-13A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	LTE B2	20	900	1960	LTE B13	10	5230	751	-	-	-	-	-	-	-	-	-	-	14.26	14.30
CA 4A-7A-7A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	LTE B7	20	3100	2655	LTE B7	20	2850	2630	-	-	-	-	-	-	-	-	-	-	14.20	14.30
CA 4A-4A-13A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	LTE B4	20	2300	2145	LTE B13	10	5230	751	-	-	-	-	-	-	-	-	-	-	14.26	14.30
CA 4A-4A-29A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	LTE B4	20	2300	2145	LTE B20	10	5715	722.5	-	-	-	-	-	-	-	-	-	-	14.23	14.30
CA 4A-4A-46A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	LTE B4	20	2300	2145	LTE B20	10	5715	722.5	-	-	-	-	-	-	-	-	-	-	14.23	14.30
CA 6A-7A-12A(1)	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	LTE B7	20	3100	2655	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	14.26	14.30
CA 2A-2A-4A-4A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	LTE B4	20	2300	2145	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B5	10	2525	881.5	-	-	14.30	14.30
CA 2A-2A-4A-5A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	LTE B4	20	2300	2145	LTE B2	20	900	1960	LTE B5	10	2525	881.5	-	-	-	-	-	-	14.26	14.30
CA 2A-4A-5A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	LTE B4	20	2300	2145	LTE B5	10	2525	881.5	LTE B5	10	2525	881.5	-	-	-	-	-	-	14.20	14.30
CA 2A-4A-12A-30A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	LTE B4	20	2300	2145	LTE B12	10	5095	737.5	LTE B12	10	5047	732.7	-	-	-	-	-	-	14.22	14.30
CA 2A-4A-4A-12A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	LTE B4	20	2300	2145	LTE B2	20	900	1960	LTE B12	10	5095	737.5	-	-	-	-	-	-	14.23	14.30
CA 2A-4A-12A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	LTE B2	20	900	1960	LTE B12	10	5095	737.5	LTE B12	10	5047	732.7	-	-	-	-	-	-	14.22	14.30
CA 2A-4A-5A-30A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B30	10	8920	2355	-	-	-	-	-	-	14.22	14.30
CA 2A-4A-12A-30A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	LTE B2	20	900	1960	LTE B12	10	5095	737.5	LTE B30	10	8920	2355	-	-	-	-	-	-	14.25	14.30
CA 4A-4A-5A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	LTE B4	20	2300	2145	LTE B5	10	2525	881.5	LTE B5	10	2525	881.5	-	-	-	-	-	-	14.23	14.30
CA 4A-4A-12A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	LTE B4	20	2300	2145	LTE B12	10	5095	737.5	LTE B12	10	5047	732.7	-	-	-	-	-	-	14.30	14.30
CA 4A-4A-46C	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	LTE B4	20	2300	2145	LTE B12	10	5095	737.5	LTE B12	10	5047	732.7	-	-	-	-	-	-	14.23	14.30
CA 4A-4A-5A-30A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	LTE B4	20	2300	2145	LTE B5	10	2525	881.5	LTE B30	10	8920	2355	-	-	-	-	-	-	14.23	14.30
CA 4A-4A-12A-30A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	LTE B4	20	2300	2145	LTE B12	10	5095	737.5	LTE B30	10	8920	2355	-	-	-	-	-	-	14.25	14.30
CA 4A-4A-46A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	LTE B4	20	2300	2145	LTE B12	10	5095	737.5	LTE B12	10	5047	732.7	-	-	-	-	-	-	14.23	14.30
CA 4A-4A-5A-30A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	LTE B4	20	2300	2145	LTE B5	10	2525	881.5	LTE B30	10	8920	2355	-	-	-	-	-	-	14.23	14.30
CA 4A-4A-12A-30A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	LTE B4	20	2300	2145	LTE B12	10	5095	737.5	LTE B30	10	8920	2355	-	-	-	-	-	-	14.25	14.30
CA 4A-4A-46A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	LTE B4	20	2300	2145	LTE B12	10	5095	737.5	LTE B12	10	5047	732.7	-	-	-	-	-	-	14.23	14.30

Table 16
Reduced Output Powers – Ant 4B

Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC				Mod.	PCC UL RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC 1				SCC 2				SCC 3				SCC 4				LTE Tx Power with DC CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
				PCC (UL) Freq. [MHz]	PCC (UL) RB	PCC (UL) RB Offset	PCC (DL) Freq. [MHz]						SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]		
CA 2A-4A	LTE B4	20	20050	1720	QPSK	5	0	2050	2120		LTE B2	20	900	1960															14.42	14.50
CA 4A-12A (1)	LTE B4	20	20050	1720	QPSK	5	0	2050	2120		LTE B12	10	5095	737.5															14.42	14.50
CA 4B-22A (2)	LTE B4	20	20050	1720	QPSK	5	0	2050	2120		LTE B12	10	5095	737.5															14.42	14.50
CA 4A-12A	LTE B4	5	20350	1745	16QAM	1	0	2100	2145		LTE B17	10	3700	740															14.48	14.50
CA 4A-20A	LTE B4	5	20350	1745	16QAM	1	0	2100	2145		LTE B29	10	9715	722.5															14.48	14.50
CA 2A-4A-13A	LTE B4	20	20050	1720	QPSK	5	0	2050	2120		LTE B2	20	900	1960	LTE B13	10	5230	751											14.49	14.50
CA 4A-4A-7A (1)	LTE B4	20	20050	1720	QPSK	5	0	2050	2120		LTE B4	20	2300	2145	LTE B7	20	3100	2655											14.52	14.50
CA 4A-7A-7A	LTE B4	20	20050	1720	QPSK	5	0	2050	2120		LTE B7	20	3100	2655	LTE B7	20	3850	2630											14.51	14.50
CA 4A-4A-13A	LTE B4	20	20050	1720	QPSK	5	0	2050	2120		LTE B4	20	2300	2145	LTE B13	10	5230	751											14.50	14.50
CA 4A-4A-20A	LTE B4	20	20050	1720	QPSK	5	0	2050	2120		LTE B4	20	2300	2145	LTE B29	10	9715	722.5											14.50	14.50
CA 4A-4A-4A	LTE B4	20	20050	1720	QPSK	5	0	2050	2120		LTE B4	20	2300	2145	LTE B4	20	47090	5180											14.44	14.50
CA 2A-4A-12A (1)	LTE B4	20	20050	1720	QPSK	5	0	2050	2120		LTE B7	20	3100	2655	LTE B12	10	5095	737.5											14.50	14.50
CA 2A-4A-4A-4A	LTE B4	20	20050	1720	QPSK	5	0	2050	2120		LTE B4	20	2300	2145	LTE B7	20	3850	2630											14.45	14.50
CA 2A-4A-5A	LTE B4	20	20050	1720	QPSK	5	0	2050	2120		LTE B2	20	900	1960	LTE B5	10	2525	881.5											14.46	14.50
CA 2A-4A-4A-5A	LTE B4	20	20050	1720	QPSK	5	0	2050	2120		LTE B4	20	2300	2145	LTE B5	10	2525	881.5											14.44	14.50
CA 2A-4A-4A-12A	LTE B4	20	20050	1720	QPSK	5	0	2050	2120		LTE B2	20	900	1960	LTE B12	10	5095	737.5											14.42	14.50
CA 2A-4A-4A-12A	LTE B4	20	20050	1720	QPSK	5	0	2050	2120		LTE B4	20	2300	2145	LTE B12	10	5095	737.5											14.45	14.50
CA 2A-4A-12A	LTE B4	20	20050	1720	QPSK	5	0	2050	2120		LTE B2	20	900	1960	LTE B12	10	5095	737.5											14.45	14.50
CA 2A-4A-5A-30A	LTE B4	20	20050	1720	QPSK	5	0	2050	2120		LTE B2	20	900	1960	LTE B5	10	2525	881.5											14.42	14.50
CA 2A-4A-12A-30A	LTE B4	20	20050	1720	QPSK	5	0	2050	2120		LTE B2	20	900	1960	LTE B12	10	5095	737.5											14.45	14.50
CA 2A-4A-20A-30A	LTE B4	20	20050	1720	QPSK	5	0	2050	2120		LTE B2	20	900	1960	LTE B5	10	2525	881.5											14.45	14.50
CA 4A-4A-5A	LTE B4	20	20050	1720	QPSK	5	0	2050	2120		LTE B4	20	2300	2145	LTE B5	10	2525	881.5											14.44	14.50
CA 4A-4A-12A	LTE B4	20	20050	1720	QPSK	5	0	2050	2120		LTE B4	20	2300	2145	LTE B12	10	5095	737.5											14.42	14.50
CA 4A-4A-4A-5A	LTE B4	20	20050	1720	QPSK	5	0	2050	2120		LTE B4	20	2300	2145	LTE B5	10	2525	881.5											14.45	14.50
CA 4A-4A-4A-12A	LTE B4	20	20050	1720	QPSK	5	0	2050	2120		LTE B4	20	2300	2145	LTE B12	10	5095	737.5											14.48	14.50
CA 4A-4A-4A-30A	LTE B4	20	20050	1720	QPSK	5	0	2050	2120		LTE B4	20	2300	2145	LTE B12	10	5095	737.5											14.49	14.50
CA 4A-4A-12A-30A	LTE B4	20	20050	1720	QPSK	5	0	2050	2120		LTE B4	20	2300	2145	LTE B12	10	5095	737.5											14.48	14.50
CA 4A-4A-4A-480	LTE B4	20	20050	1720	QPSK	5	0	2050	2120		LTE B4	20	2300	2145	LTE B4	20	53040	5805.2											14.48	14.50

1.3.8 LTE Band 66 as PCC

Table 17
Reduced Output Powers – Ant 2A

Power																														
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC				Mod.	PCC UL RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC 1				SCC 2				SCC 3				SCC 4				LTE Tx Power with DC CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
				PCC (UL) Freq. [MHz]	PCC (UL) RB	PCC (UL) RB Offset	SCC Band						SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]			
CA 2A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B2	20	900	1960													14.62	14.70		
CA 7A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B2	20	900	1960													14.62	14.70		
CA 12A-66A (1)	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B13	10	5095	737.5													14.67	14.70		
CA 12A-66A (2)	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B12	10	5095	737.5													14.67	14.70		
CA 2C-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B2	20	900	1960	LTE B2	20	700	1940									14.64	14.70		
CA 2A-66A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B2	20	900	1960	LTE B4	20	50665	5337.5									14.66	14.70		
CA 2A-66A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B13	10	5230	751					14.63	14.70		
CA 4A-66A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B4	20	50665	5337.5	LTE B4	20	47090	5180									14.67	14.70		
CA 66A-66A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B66	20	67236	2190	LTE B4	20	50665	5337.5									14.70	14.70		
CA 2A-2A-66A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B2	20	700	1940					14.68	14.70		
CA 2A-2A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B5	10	2525	881.5					14.62	14.70		
CA 2A-2A-12A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B2	20	900	1960	LTE B12	10	5095	737.5									14.68	14.70		
CA 2A-12A-66A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B66	20	67236	2190	LTE B12	10	5095	737.5									14.65	14.70		
CA 2A-12A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B66	20	67236	2190	LTE B12	10	5095	737.5									14.70	14.70		
CA 2A-2A-13A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B2	20	900	1960	LTE B13	10	5230	751									14.63	14.70		
CA 2A-13A-66A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B66	20	67236	2190	LTE B13	10	5230	751									14.70	14.70		
CA 2A-13A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B66	20	67236	2190	LTE B13	10	5230	751									14.63	14.70		
CA 2A-2A-66A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B66	20	67236	2190	LTE B13	10	5230	751									14.66	14.70		
CA 2A-14A-66A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B66	20	67236	2190	LTE B14	10	5330	763									14.66	14.70		
CA 2A-14A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B66	20	67236	2190	LTE B14	10	5330	763									14.66	14.70		
CA 2A-2A-66A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B66	20	67236	2190	LTE B14	10	5330	763									14.68	14.70		
CA 2A-2A-30A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B30	10	9820	2355					14.66	14.70		
CA 2A-12A-30A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B2	20	900	1960	LTE B14	10	5330	763	LTE B30	10	9820	2355					14.68	14.70		
CA 2A-14A-30A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B2	20	900	1960	LTE B14	10	5330	763	LTE B30	10	9820	2355					14.68	14.70		
CA 2A-2A-30A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B30	10	9820	2355					14.59	14.70		
CA 3A-66A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B66	20	67236	2190	LTE B66	20	67236	2190	LTE B5	10	2525	881.5					14.59	14.70		
CA 3A-66A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B66	20	67236	2190	LTE B66	20	67236	2190	LTE B5	10	2525	881.5					14.59	14.70		
CA 3A-66A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B66	20	67236	2190	LTE B66	20	67236	2190	LTE B5	10	2525	881.5					14.59	14.70		
CA 13A-66A-66A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B66	20	67236	2190	LTE B13	10	5230	751									14.63	14.70		
CA 13A-66A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B66	20	67236	2190	LTE B13	10	5230	751									14.63	14.70		
CA 13A-66A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B66	20	67236	2190	LTE B13	10	5230	751									14.63	14.70		
CA 13A-66A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B66	20	67236	2190	LTE B13	10	5230	751									14.63	14.70		
CA 13A-66A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B66	20	67236	2190	LTE B13	10	5230	751									14.63	14.70		
CA 13A-66A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B66	20	67236	2190	LTE B13	10	5230	751									14.63	14.70		
CA 13A-66A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B66	20	67236	2190	LTE B13	10	5230	751									14.63	14.70		
CA 13A-66A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B66	20	67236	2190	LTE B13	10	5230	751									14.63	14.70		
CA 13A-66A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B66	20	67236	2190	LTE B13	10	5230	751									14.63	14.70		
CA 13A-66A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B66	20	67236	2190	LTE B13	10	5230	751									14.63	14.70		
CA 13A-66A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B66	20	67236	2190	LTE B13	10	5230	751									14.63	14.70		
CA 13A-66A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B66	20	67236	2190	LTE B13	10	5230	751									14.63	14.70		
CA 13A-66A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B66	20	67236	2190	LTE B13	10	5230	751									14.63	14.70		
CA 13A-66A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B66	20	67236	2190	LTE B13	10	5230	751									14.63	14.70		
CA 13A-66A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B66	20	67236	2190	LTE B13	10	5230	751									14.63	14.70		
CA 13A-66A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B66	20	67236	2190	LTE B13	10	5230	751									14.63	14.70		
CA 13A-66A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B66	20	67236	2190	LTE B13	10	5230	751									14.63	14.70		
CA 13A-66A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B66	20	67236	2190	LTE B13	10	5230	751									14.63	14.70		
CA 13A-66A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B66	20	67236	2190	LTE B13	10	5230	751									14.63	14.70		
CA 13A-66A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B66	20	67236	2190	LTE B13	10	5230	751									14.63	14.70		
CA 13A-66A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B66	20	67236	2190	LTE B13	10	5230	751									14.63	14.70		
CA 13A-66A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B66	20	67236	2190	LTE B13	10	5230	751									14.63	14.70		
CA 13A-66A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B66	20	67236	2190	LTE B13	10	5230	751									14.63	14.70		
CA 13A-66A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B66	20	67236	2190	LTE B13	10	5230	751									14.63	14.70		
CA 13A-66A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120		LTE B66	20	67236	2190	LTE B13	10	5230	751									14.63	14.70		
CA 13A-66A-66A	LTE B66</																													

Reduced Output Powers – Ant 2B

[illegible]

Table 19
Reduced Output Powers – Ant 4A

[illegible]

FCC ID: BCGA1934



SAR EVALUATION REPORT

Reviewed by:

Quality Manager

Test Dates:

DUT Type:

1C1806220015-01.BCG

Tablet Device

APPENDIX H.

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Table 20
Reduced Output Powers – Ant 4B

Combination	PCF Band	PCC BW [MHz]	PCC				SCC 1				SCC 2				SCC 3				Power								
			PCF [UL] Freq. [MHz]	PCF [DL] Freq. [MHz]	PCF UL RB	PCF UL RB Offset	PCC [DL] Channel	PCC [DL] Freq. [MHz]	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	LTE Tx Power (mW)	LTE Rx Power (mW)	LTE Single Carrier Tx Power (mW)	
CA_2A-66A	LTE 866	20	132072	1720	QPSK	1	0	66336	2120	LTE 82	20	900	1960												14.40	14.50	
CA_2A-66A	LTE 866	20	132072	1720	QPSK	1	0	66336	2120	LTE 87	20	1100	2655												14.40	14.50	
CA_12A-66A(1)	LTE 866	20	132072	1720	QPSK	1	0	66336	2120	LTE 81	20	900	1960												14.40	14.50	
CA_12A-66A(2)	LTE 866	20	132072	1720	QPSK	1	0	66336	2120	LTE 812	10	5095	737.5												14.40	14.50	
CA_2A-66A	LTE 866	20	132072	1720	QPSK	1	0	66336	2120	LTE 82	20	900	1960	LTE 82	20	720	1940.2								14.40	14.50	
CA_2A-66A	LTE 866	20	132072	1720	QPSK	1	0	66336	2120	LTE 86	20	900	1960	LTE 84	20	5095	5337.5								14.40	14.50	
CA_13A-66A-66A	LTE 866	20	132072	1720	QPSK	1	0	66336	2120	LTE 813	10	5230	751	LTE 806	20	5095	5337.5								14.40	14.50	
CA_29A-66A	LTE 866	20	132072	1720	QPSK	1	0	66336	2120	LTE 806	20	6736	2190	LTE 829	10	9155	722.5								14.40	14.50	
CA_46A-66A	LTE 866	20	132072	1720	QPSK	1	0	66336	2120	LTE 806	20	6736	2190	LTE 846	20	4700	5180								14.40	14.50	
CA_46A-66A-66A	LTE 866	20	132072	1720	QPSK	1	0	66336	2120	LTE 806	20	6736	2190	LTE 846	20	5095	5337.5								14.40	14.50	
CA_1A-2A-66A-66A	LTE 866	20	132072	1720	QPSK	1	0	66336	2120	LTE 806	20	6736	2190	LTE 82	20	900	1960	LTE 82	20	720	1940				14.40	14.50	
CA_2A-2A-66A-66A	LTE 866	20	132072	1720	QPSK	1	0	66336	2120	LTE 806	20	6736	2190	LTE 82	20	900	1960	LTE 85	10	2525	881.5				14.40	14.50	
CA_20A-2A-66A-66A	LTE 866	20	132072	1720	QPSK	1	0	66336	2120	LTE 806	20	6736	2190	LTE 82	20	900	1960	LTE 812	10	5095	737.5				14.40	14.50	
CA_2A-12A-66A-66A	LTE 866	20	132072	1720	QPSK	1	0	66336	2120	LTE 806	20	6736	2190	LTE 82	20	900	1960	LTE 812	10	5095	737.5				14.40	14.50	
CA_2A-12A-66A	LTE 866	20	132072	1720	QPSK	1	0	66336	2120	LTE 806	20	6736	2190	LTE 82	20	900	1960	LTE 812	10	5095	737.5				14.40	14.50	
CA_2A-13A-66A-66A	LTE 866	20	132072	1720	QPSK	1	0	66336	2120	LTE 806	20	6736	2190	LTE 82	20	900	1960	LTE 813	10	5230	751				14.40	14.50	
CA_29A-13A-66A-66A	LTE 866	20	132072	1720	QPSK	1	0	66336	2120	LTE 806	20	6736	2190	LTE 82	20	900	1960	LTE 813	10	5230	751				14.40	14.50	
CA_2A-2A-14A-66A	LTE 866	20	132072	1720	QPSK	1	0	66336	2120	LTE 82	20	900	1960	LTE 82	20	700	1940	LTE 814	10	5330	765				14.40	14.50	
CA_2A-2A-14A-66A-66A	LTE 866	20	132072	1720	QPSK	1	0	66336	2120	LTE 806	20	6736	2190	LTE 846	20	5095	5337.5								14.40	14.50	
CA_2A-2A-30A-66A	LTE 866	20	132072	1720	QPSK	1	0	66336	2120	LTE 82	20	900	1960	LTE 82	20	700	1940	LTE 810	10	5620	2355				14.40	14.50	
CA_2A-46A-66A	LTE 866	20	132072	1720	QPSK	1	0	66336	2120	LTE 82	20	900	1960	LTE 846	20	5095	5337.5	LTE 846	20	50947	5337.7	LTE 846	20	50947	5337.7	14.40	14.50
CA_2A-2A-30A-66A	LTE 866	20	132072	1720	QPSK	1	0	66336	2120	LTE 82	20	900	1960	LTE 812	10	5230	751	LTE 812	10	5230	751				14.40	14.50	
CA_2A-12A-30A-66A	LTE 866	20	132072	1720	QPSK	1	0	66336	2120	LTE 82	20	900	1960	LTE 812	10	5095	737.5	LTE 810	10	5620	2355				14.40	14.50	
CA_2A-12A-30A-66A	LTE 866	20	132072	1720	QPSK	1	0	66336	2120	LTE 82	20	900	1960	LTE 812	10	5095	737.5	LTE 810	10	5620	2355				14.40	14.50	
CA_2A-14A-30A-66A	LTE 866	20	132072	1720	QPSK	1	0	66336	2120	LTE 82	20	900	1960	LTE 814	10	5330	765	LTE 810	10	5620	2355				14.40	14.50	
CA_2A-2A-14A-30A-66A	LTE 866	20	132072	1720	QPSK	1	0	66336	2120	LTE 806	20	6736	2190	LTE 846	20	5095	5337.5	LTE 846	20	50947	5337.7	LTE 846	20	50947	5337.7	14.40	14.50
CA_2A-2A-14A-30A-66A	LTE 866	20	132072	1720	QPSK	1	0	66336	2120	LTE 806	20	6736	2190	LTE 846	20	5095	5337.5	LTE 846	20	50947	5337.7	LTE 846	20	50947	5337.7	14.40	14.50
CA_2A-2A-14A-30A-66A	LTE 866	20	132072	1720	QPSK	1	0	66336	2120	LTE 806	20	6736	2190	LTE 846	20	5095	5337.5	LTE 846	20	50947	5337.7	LTE 846	20	50947	5337.7	14.40	14.50
CA_2A-2A-14A-30A-66A	LTE 866	20	132072	1720	QPSK	1	0	66336	2120	LTE 806	20	6736	2190	LTE 846	20	5095	5337.5	LTE 846	20	50947	5337.7	LTE 846	20	50947	5337.7	14.40	14.50
CA_2A-2A-14A-30A-66A	LTE 866	20	132072	1720	QPSK	1	0	66336	2120	LTE 806	20	6736	2190	LTE 846	20	5095	5337.5	LTE 846	20	50947	5337.7	LTE 846	20	50947	5337.7	14.40	14.50
CA_2A-2A-14A-30A-66A	LTE 866	20	132072	1720	QPSK	1	0	66336	2120	LTE 806	20	6736	2190	LTE 846	20	5095	5337.5	LTE 846	20	50947	5337.7	LTE 846	20	50947	5337.7	14.40	14.50
CA_2A-2A-14A-30A-66A	LTE 866	20	132072	1720	QPSK	1	0	66336	2120	LTE 806	20	6736	2190	LTE 846	20	5095	5337.5	LTE 846	20	50947	5337.7	LTE 846	20	50947	5337.7	14.40	14.50
CA_2A-2A-14A-30A-66A	LTE 866	20	132072	1720	QPSK	1	0	66336	2120	LTE 806	20	6736	2190	LTE 846	20	5095	5337.5	LTE 846	20	50947	5337.7	LTE 846	20	50947	5337.7	14.40	14.50
CA_2A-2A-14A-30A-66A	LTE 866	20	132072	1720	QPSK	1	0	66336	2120	LTE 806	20	6736	2190	LTE 846	20	5095	5337.5	LTE 846	20	50947	5337.7	LTE 846	20	50947	5337.7	14.40	14.50
CA_2A-2A-14A-30A-66A	LTE 866	20	132072	1720	QPSK	1	0	66336	2120	LTE 806	20	6736	2190	LTE 846	20	5095	5337.5	LTE 846	20	50947	5337.7	LTE 846	20	50947	5337.7	14.40	14.50
CA_2A-2A-14A-30A-66A	LTE 866	20	132072	1720	QPSK	1	0	66336	2120	LTE 806	20	6736	2190	LTE 846	20	5095	5337.5	LTE 846	20	50947	5337.7	LTE 846	20	50947	5337.7	14.40	14.50
CA_2A-2A-14A-30A-66A	LTE 866	20	132072	1720	QPSK	1	0	66336	2120	LTE 806	20	6736	2190	LTE 846	20	5095	5337.5	LTE 846	20	50947	5337.7	LTE 846	20	50947	5337.7	14.40	14.50
CA_2A-2A-14A-30A-66A	LTE 866	20	132072	1720	QPSK	1	0	66336	2120	LTE 806	20	6736	2190	LTE 846	20	5095	5337.5	LTE 846	20	50947	5337.7	LTE 846	20	50947	5337.7	14.40	14.50
CA_2A-2A-14A-30A-66A	LTE 866	20	132072	1720	QPSK	1	0	66336	2120	LTE 806	20	6736	2190	LTE 846	20	5095	5337.5	LTE 846	20	50947	5337.7	LTE 846	20	50947	5337.7	14.40	14.50
CA_2A-2A-14A-30A-66A	LTE 866	20	132072	1720	QPSK	1	0	66336	2120	LTE 806	20	6736	2190	LTE 846	20	5095	5337.5	LTE 846	20	50947	5337.7	LTE 846	20	50947	5337.7	14.40	14.50
CA_2A-2A-14A-30A-66A	LTE 866	20	132072	1720	QPSK	1	0	66336	2120	LTE 806	20	6736	2190	LTE 846	20	5095	5337.5	LTE 846	20	50947	5337.7	LTE 846	20	50947	5337.7	14.40	14.50
CA_2A-2A-14A-30A-66A	LTE 866	20	132072	1720	QPSK	1	0	66336	2120	LTE 806	20	6736	2190	LTE 846	20	5095	5337.5	LTE 846	20	50947	5337.7	LTE 846	20	50947	5337.7	14.40	14.50
CA_2A-2A-14A-30A-66A	LTE 866	20	132072	1720	QPSK	1	0	66336	2120	LTE 806	20	6736	2190	LTE 846	20	5095	5337.5	LTE 846	20	50947	5337.7	LTE 846	20	50947	5337.7	14.40	14.50
CA_2A-2A-14A-30A-66A	LTE 866	20	132072	1720	QPSK	1	0	66336	2120	LTE 806	20	6736	2190	LTE 846	20	5095	5337.5	LTE 846	20	50947	5337.7	LTE 846	20	50947	5337.7	14.40	14.50
CA_2A-2A-14A-30A-66A	LTE 866	20	132072	1720	QPSK	1	0	66336	2120	LTE 806	20	6736	2190	LTE 846	20	5095	5337.5	LTE 846	20	50947	5337.7	LTE 846	20	50947	5337.7	14.40	14.50
CA_2A-2A-14A-30A-66A	LTE 866	20	132072	1720	QPSK	1	0	66336	2120	LTE 806	20	6736	2190	LTE 846	20	5095	5337.5	LTE 846	20	50947	5337.7	LTE 846	20	50947	5337.7	14.40	14.50
CA_2A-2A-14A-30A-66A	LTE 866	20	132072	1720	QPSK	1	0	66336	2120	LTE 806	20	6736	2190	LTE 846	20	5095	5337.5	LTE 846	20	50947	5337.7	LTE 846	20	50947	5337.7	14.40	14.50
CA_2A-2A-14A-30A-66A	LTE 866	20	132072	1720	QPSK	1	0	66336	2120	LTE 806	20	6736	2190	LTE 846	20	5095	5337.5	LTE 846	20	50947	5337.7	LTE 846	20	50947	5337.7	14.40	14.50
CA_2A-2A-14A-30A-66A	LTE 866	20	132072	1720	QPSK	1	0	66336	2120	LTE 806	20	6736	2190	LTE 846	20	5095											

FCC ID: BCGA1934	 PCTEST TECHNOLOGICAL LABORATORY, INC.	SAR EVALUATION REPORT	Reviewed by: Quality Manager
Test Dates: 1C1806220015-01.BCG	DUT Type: Tablet Device	APPENDIX H: Page 9 of 37	

1.3.9 LTE Band 2 as PCC

Table 21
Reduced Output Powers – Ant 2A

Combination	PCB Band	PC1										SC1										SC2										SC3										SC4										Power	
		PCB BW [MHz]	PC1 (U) Ch	PC1 (L) Freq. [MHz]	Mod.	PC1 U/LB RB	PC1 U/LB Offset	PC1 (D) Channel	PC1 (D) Freq. [MHz]	SC Band	SC BW [MHz]	SC (D) Channel	SC (D) Freq. [MHz]	SC Band	SC BW [MHz]	SC (D) Channel	SC (D) Freq. [MHz]	SC Band	SC BW [MHz]	SC (D) Channel	SC (D) Freq. [MHz]	SC Band	SC BW [MHz]	SC (D) Channel	SC (D) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (D) Channel	SCC (D) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (D) Channel	SCC (D) Freq. [MHz]	LTE Tx Power with CA (dBm)	LTE Single Carrier Tx Power (dBm)																		
CA 2A-6A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1982.5	LTE B4	20	21575	2132.5																						34.00																		
CA 2A-12A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1982.5	LTE B12	10	5095	737.5																						13.00	14.00																	
CA 2A-25A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1982.5	LTE B20	10	5095	737.5																						13.00	14.00																	
CA 2A-12A	LTE B2	20	18925	1882.5	QPSK	1	49	600	1995	LTE B20	10	9715	722.5																							13.00	13.00																
CA 2A-6A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1982.5	LTE B6B	20	66786	2145																							13.00	13.00																
CA 2A-12A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1982.5	LTE B2	20	727	1942.7	LTE B5	10	2525	881.5																			13.00	13.00																
CA 2A-12A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1982.5	LTE B2	20	727	1942.7	LTE B12	10	5095	737.5																			13.00	13.00																
CA 2A-25A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1982.5	LTE B2	20	727	1942.7	LTE B20	10	9715	722.5																			13.00	14.00																
CA 2A-30A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1982.5	LTE B2	20	727	1942.7	LTE B30	10	9820	2355																			13.00	14.00																
CA 2A-6A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1982.5	LTE B4	20	700	1940	LTE B12	10	5095	537.5																			13.00	13.00																
CA 2A-6A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1982.5	LTE B4B	20	50665	537.5	LTE B4B	20	42700	5180																			13.00	14.00																
CA 2A-6A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1982.5	LTE B4	20	727	1942.7	LTE B5	10	66786	2145																			13.00	13.00																
CA 2A-4A-12A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1982.5	LTE B4	20	21575	2132.5	LTE B13	10	5230	751																			13.00	14.00																
CA 2A-6A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1982.5	LTE B13	10	5230	751	LTE B4B	20	50665	537.5																			14.00	14.00																
CA 2A-6A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1982.5	LTE B4B	20	50665	537.5	LTE B4B	20	50665	537.5																			14.00	14.00																
CA 2A-2A-4A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1982.5	LTE B2	20	700	1940	LTE B4	20	21575	2132.5	LTE B4	20	2350	2350															13.00	14.00																
CA 2A-2A-12B	LTE B2	20	18925	1882.5	QPSK	1	0	925	1982.5	LTE B2	20	700	1940	LTE B4B	5	5095	737.5	LTE B4	5	5047	732.7															13.00	14.00																
CA 2A-2A-6A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1982.5	LTE B2	20	700	1940	LTE B4B	5	5095	537.5	LTE B4B	5	5047	537.7															13.00	14.00																
CA 2A-2A-6A-6C	LTE B2	20	18925	1882.5	QPSK	1	0	925	1982.5	LTE B4B	20	50665	537.5	LTE B4B	20	5047	537.7	LTE B4B	20	5047	537.7															13.00	13.00																
CA 2A-2A-6A-6A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1982.5	LTE B2	20	700	1940	LTE B4B	20	66786	2145	LTE B4B	20	67236	2190															13.00	14.00																
CA 2A-2A-6A-6A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1982.5	LTE B4	20	21575	2132.5	LTE B4	20	2350	2350	LTE B4	20	2350	2350															13.00	14.00																
CA 2A-4A-5A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1982.5	LTE B4	20	21575	2132.5	LTE B5	10	2525	881.5	LTE B4	20	2350	2350															13.00	14.00																
CA 2A-4A-5A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1982.5	LTE B4	20	21575	2132.5	LTE B5	10	2525	881.5	LTE B5	10	2453	874.3															13.00	14.00																
CA 2A-4A-5A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1982.5	LTE B4	20	21575	2132.5	LTE B5	10	2525	881.5	LTE B5	10	2453	874.3															13.00	14.00																
CA 2A-4A-5A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1982.5	LTE B4	20	21575	2132.5	LTE B5	10	2525	881.5	LTE B5	10	2453	874.3															13.00	14.00																
CA 2A-4A-5A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1982.5	LTE B4	20	21575	2132.5	LTE B5	10	2525	881.5	LTE B5	10	2453	874.3															13.00	14.00																
CA 2A-4A-5A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1982.5	LTE B4	20	21575	2132.5	LTE B5	10	2525	881.5	LTE B5	10	2453	874.3															13.00	14.00																
CA 2A-4A-5A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1982.5	LTE B4	20	21575	2132.5	LTE B5	10	2525	881.5	LTE B5	10	2453	874.3															13.00	14.00																
CA 2A-4A-5A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1982.5	LTE B4	20	21575	2132.5	LTE B5	10	2525	881.5	LTE B5	10	2453	874.3															13.00	14.00																
CA 2A-4A-5A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1982.5	LTE B4	20	21575	2132.5	LTE B5	10	2525	881.5	LTE B5	10	2453	874.3															13.00	14.00																
CA 2A-4A-5A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1982.5	LTE B4	20	21575	2132.5	LTE B5	10	2525	881.5	LTE B5	10	2453	874.3															13.00	14.00																
CA 2A-4A-5A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1982.5	LTE B4	20	21575	2132.5	LTE B5	10	2525	881.5	LTE B5	10	2453	874.3															13.00	14.00																
CA 2A-4A-5A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1982.5	LTE B4	20	21575	2132.5	LTE B5	10	2525	881.5	LTE B5	10	2453	874.3															13.00	14.00																
CA 2A-4A-5A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1982.5	LTE B4	20	21575	2132.5	LTE B5	10	2525	881.5	LTE B5	10	2453	874.3															13.00	14.00																
CA 2A-4A-5A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1982.5	LTE B4	20	21575	2132.5	LTE B5	10	2525	881.5	LTE B5	10	2453	874.3															13.00	14.00																
CA 2A-4A-5A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1982.5	LTE B4	20	21575	2132.5	LTE B5	10	2525	881.5	LTE B5	10	2453	874.3															13.00	14.00																
CA 2A-4A-5A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1982.5	LTE B4	20	21575	2132.5	LTE B5	10	2525	881.5	LTE B5	10	2453	874.3															13.00	14.00																
CA 2A-4A-5A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1982.5	LTE B4	20	21575	2132.5	LTE B5	10	2525	881.5	LTE B5	10	2453	874.3															13.00	14.00																
CA 2A-4A-5A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1982.5	LTE B4	20	21575	2132.5	LTE B5	10	2525	881.5	LTE B5	10	2453	874.3															13.00	14.00																
CA 2A-4A-5A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1982.5	LTE B4	20	21575	2132.5	LTE B5	10	2525	881.5	LTE B5	10	2453	874.3															13.00	14.00																
CA 2A-4A-5A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1982.5	LTE B4	20	21575	2132.5	LTE B5	10	2525	881.5	LTE B5	10	2453	874.3															13.00	14.00																
CA 2A-4A-5A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1982.5	LTE B4	20	21575	2132.5	LTE B5	10	2525	881.5	LTE B5	10	2453	874.3															13.00	14.00																
CA 2A-4A-5A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1982.5	LTE B4	20	21575	2132.5	LTE B5	10	2525	881.5	LTE B5	10	2453	874.3															13.00	14.00																
CA 2A-4A-5A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1982.5	LTE B4	20	21575	2132.5	LTE B5	10	2525	881.5	LTE B5	10	2453	874.3															13.00	14.00																
CA 2A-4A-5A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1982.5	LTE B4	20	21575	2132.5	LTE B5	10	2525	881.5	LTE B5	10	2453	874.3															13.00	14.00																
CA 2A-4A-5A	LTE B2																																																				

Table 22
Reduced Output Powers – Ant 2B

Combination	PCC										SCC 1				SCC 2				SCC 3				SCC 4				Power	
	PCC Band	PCC BW [MHz]	PCC [UL] Ch	PCC [UL] Freq. [MHz]	Mod.	PCC UL RB	PCC UL RB Offset	PCC [DL] Channel	PCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	LTE Tx Power [dBm]	LTE Single Carrier Tx Power [dBm]	
CA 2A-6A	LTE B2	1.4	19193	1900.3	QAM64	1	0	1193	1989.3	LTE B4	20	2175	2123.5	-	-	-	-	-	-	-	-	-	-	-	-	-	13.70	-
CA 2A-12A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	-	13.70	13.68
CA 2A-24A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	-	13.70	13.68
CA 2A-24A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	-	13.70	13.67
CA 2A-6A	LTE B2	1.4	19193	1900.3	QAM64	1	0	1193	1989.3	LTE B6	20	66786	2145	-	-	-	-	-	-	-	-	-	-	-	-	-	13.69	13.70
CA 2A-6A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B6	20	66786	2145	-	-	-	-	-	-	-	-	-	-	-	-	-	13.69	13.68
CA 2A-6A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	13.69	13.68
CA 2A-24A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	13.69	13.68
CA 2A-24A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	13.69	13.68
CA 2A-6A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B4	20	50665	5357.5	LTE B46	20	47090	5180	-	-	-	-	-	-	-	-	-	13.69	13.68
CA 2A-6A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B6	20	66786	2145	-	-	-	-	-	-	-	-	-	13.70	13.68
CA 2A-6A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	13.70	13.68
CA 2A-6A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	13.69	13.68
CA 2A-6A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	13.69	13.68
CA 2A-6A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	13.69	13.68
CA 2A-6A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	13.69	13.68
CA 2A-6A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	13.69	13.68
CA 2A-6A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	13.69	13.68
CA 2A-6A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	13.69	13.68
CA 2A-6A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	13.69	13.68
CA 2A-6A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	13.69	13.68
CA 2A-6A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	13.69	13.68
CA 2A-6A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	13.69	13.68
CA 2A-6A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	13.69	13.68
CA 2A-6A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	13.69	13.68
CA 2A-6A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	13.69	13.68
CA 2A-6A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	13.69	13.68
CA 2A-6A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	13.69	13.68
CA 2A-6A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	13.69	13.68
CA 2A-6A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	13.69	13.68
CA 2A-6A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	13.69	13.68
CA 2A-6A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	13.69	13.68
CA 2A-6A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	13.69	13.68
CA 2A-6A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	13.69	13.68
CA 2A-6A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	13.69	13.68
CA 2A-6A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	13.69	13.68
CA 2A-6A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	13.69	13.68
CA 2A-6A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	13.69	13.68
CA 2A-6A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	13.69	13.68
CA 2A-6A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	13.69	13.68
CA 2A-6A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	13.69	13.68
CA 2A-6A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	13.69	13.68
CA 2A-6A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	13.69	13.68
CA 2A-6A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	13.69	13.68
CA 2A-6A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	13.69	13.68
CA 2A-6A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	13.69	13.68
CA 2A-6A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	13.69	13.68
CA 2A-6A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	13.69	13.68
CA 2A-6A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	13.69	13.68
CA 2A-6A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	13.69	13.68
CA 2A-6A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	13.69	13.68
CA 2A-6A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	13.69	13.68
CA 2A-6A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	13.69	13.68
CA 2A-6A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B12	10	5095	737.5	-										

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Test Dates:

DUT Type:

APPENDIX H:

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REV 20.05 M

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Reduced Output Powers – Ant 4A

[illegible]

Reduced Output Powers – Ant 4B

Combination	PCB Band	PCC BW [MHz]	PCC [DU] Freq. [MHz]	PCC Mod.	PCC UL RB	PCC UL RB Offset	PCC [DU] Channel	PCC [DU] Freq. [MHz]	SCC 1			SCC 2			SCC 3			SCC 4			LTE Tx Power with CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
									SCC BW [MHz]	SCC [DU] Channel	SCC [DU] Freq. [MHz]	SCC BW [MHz]	SCC [DU] Channel	SCC [DU] Freq. [MHz]	SCC BW [MHz]	SCC [DU] Channel	SCC [DU] Freq. [MHz]	SCC BW [MHz]	SCC [DU] Channel	SCC [DU] Freq. [MHz]		
CA 2A-30A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	20	7145	2119.5	-	-	-	-	-	-	-	14.13	14.20	
CA 2A-12A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	10	5095	737.5	-	-	-	-	-	-	-	14.20	14.20	
CA 2A-17A	LTE B20	30	18650	185S	QPSK	1	0	650	1935	1837	10	5790	740	-	-	-	-	-	-	14.20	14.20	
CA 2A-20A	LTE B20	30	18650	185S	QPSK	1	0	650	1935	1935	0	7201.5	-	-	-	-	-	-	-	14.20	14.20	
CA 2A-6A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	10	6678.6	2145	-	-	-	-	-	-	-	14.06	14.20	
CA 2A-5A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	10	898	1599.8	176	85	2435	881.5	-	-	-	14.16	14.20	
CA 2A-13A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	10	1599.8	176	85	2435	881.5	-	-	-	-	14.16	14.20	
CA 2A-29A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	10	898	1599.8	176	85	2435	881.5	-	-	-	14.20	14.20	
CA 2A-30A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	10	898	1599.8	176	85	2435	881.5	-	-	-	14.15	14.20	
CA 2A-28A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	10	1599.8	176	85	2435	881.5	-	-	-	-	14.15	14.20	
CA 2A-6A-6A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	20	50665	5537.5	176	846	20	47090	6180	-	-	-	14.13	14.20
CA 2A-6A-6A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	20	898	1599.8	176	846	20	47090	6180	-	-	-	14.19	14.20
CA 2A-6A-13A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	20	2117.5	2112.5	176	813	20	751	147.3	-	-	-	14.16	14.20
CA 2A-13A-6A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	10	1599.8	176	85	2435	881.5	-	-	-	-	14.13	14.20	
CA 2A-6A-6A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	20	50665	5537.5	176	846	20	47090	6180	-	-	-	14.17	14.20
CA 2A-6A-13A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	20	2117.5	2112.5	176	813	20	751	147.3	-	-	-	14.17	14.20
CA 2A-13A-6A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	10	1599.8	176	85	2435	881.5	-	-	-	-	14.17	14.20	
CA 2A-2A-12B	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	10	5095	737.5	176	84	20	2350	2150	-	-	-	14.14	14.20
CA 2A-2A-12B	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	10	5095	737.5	176	84	20	2350	2150	-	-	-	14.17	14.20
CA 2A-2A-6A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	10	1599.8	176	85	2435	881.5	-	-	-	-	14.14	14.20	
CA 2A-2A-6A-6A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	20	50665	5537.5	176	846	20	47090	6180	-	-	-	14.12	14.20
CA 2A-2A-6A-6A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	20	898	1599.8	176	846	20	47090	6180	-	-	-	14.19	14.20
CA 2A-2A-13A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	10	1599.8	176	85	2435	881.5	-	-	-	-	14.14	14.20	
CA 2A-13A-6A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	10	1599.8	176	85	2435	881.5	-	-	-	-	14.14	14.20	
CA 2A-6A-6A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	20	50665	5537.5	176	846	20	47090	6180	-	-	-	14.13	14.20
CA 2A-6A-13A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	20	2117.5	2112.5	176	813	20	751	147.3	-	-	-	14.16	14.20
CA 2A-13A-6A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	10	1599.8	176	85	2435	881.5	-	-	-	-	14.13	14.20	
CA 2A-2A-12B	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	10	5095	737.5	176	84	20	2350	2150	-	-	-	14.14	14.20
CA 2A-2A-12B	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	10	5095	737.5	176	84	20	2350	2150	-	-	-	14.17	14.20
CA 2A-2A-6A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	10	1599.8	176	85	2435	881.5	-	-	-	-	14.14	14.20	
CA 2A-2A-6A-6A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	20	50665	5537.5	176	846	20	47090	6180	-	-	-	14.12	14.20
CA 2A-2A-6A-6A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	20	898	1599.8	176	846	20	47090	6180	-	-	-	14.19	14.20
CA 2A-2A-13A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	10	1599.8	176	85	2435	881.5	-	-	-	-	14.14	14.20	
CA 2A-13A-6A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	10	1599.8	176	85	2435	881.5	-	-	-	-	14.14	14.20	
CA 2A-6A-6A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	20	50665	5537.5	176	846	20	47090	6180	-	-	-	14.13	14.20
CA 2A-6A-13A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	20	2117.5	2112.5	176	813	20	751	147.3	-	-	-	14.16	14.20
CA 2A-13A-6A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	10	1599.8	176	85	2435	881.5	-	-	-	-	14.13	14.20	
CA 2A-2A-12B	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	10	5095	737.5	176	84	20	2350	2150	-	-	-	14.14	14.20
CA 2A-2A-12B	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	10	5095	737.5	176	84	20	2350	2150	-	-	-	14.17	14.20
CA 2A-2A-6A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	10	1599.8	176	85	2435	881.5	-	-	-	-	14.14	14.20	
CA 2A-2A-6A-6A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	20	50665	5537.5	176	846	20	47090	6180	-	-	-	14.12	14.20
CA 2A-2A-6A-6A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	20	898	1599.8	176	846	20	47090	6180	-	-	-	14.19	14.20
CA 2A-2A-13A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	10	1599.8	176	85	2435	881.5	-	-	-	-	14.14	14.20	
CA 2A-13A-6A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	10	1599.8	176	85	2435	881.5	-	-	-	-	14.14	14.20	
CA 2A-6A-6A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	20	50665	5537.5	176	846	20	47090	6180	-	-	-	14.13	14.20
CA 2A-6A-13A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	20	2117.5	2112.5	176	813	20	751	147.3	-	-	-	14.16	14.20
CA 2A-13A-6A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	10	1599.8	176	85	2435	881.5	-	-	-	-	14.13	14.20	
CA 2A-2A-12B	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	10	5095	737.5	176	84	20	2350	2150	-	-	-	14.14	14.20
CA 2A-2A-12B	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	10	5095	737.5	176	84	20	2350	2150	-	-	-	14.17	14.20
CA 2A-2A-6A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	10	1599.8	176	85	2435	881.5	-	-	-	-	14.14	14.20	
CA 2A-2A-6A-6A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	20	50665	5537.5	176	846	20	47090	6180	-	-	-	14.12	14.20
CA 2A-2A-6A-6A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	20	898	1599.8	176	846	20	47090	6180	-	-	-	14.19	14.20
CA 2A-2A-13A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	10	1599.8	176	85	2435	881.5	-	-	-	-	14.14	14.20	
CA 2A-13A-6A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	10	1599.8	176	85	2435	881.5	-	-	-	-	14.14	14.20	
CA 2A-6A-6A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	20	50665	5537.5	176	846	20	47090	6180	-	-	-	14.13	14.20
CA 2A-6A-13A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	20	2117.5	2112.5	176	813	20	751	147.3	-	-	-	14.16	14.20
CA 2A-13A-6A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	10	1599.8	176	85	2435	881.5	-	-	-	-	14.13	14.20	
CA 2A-2A-12B	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	10	5095	737.5	176	84	20	2350	2150	-	-	-	14.14	14.20
CA 2A-2A-12B	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	10	5095	737.5	176	84	20	2350	2150	-	-	-	14.17	14.20
CA 2A-2A-6A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	10	1599.8	176	85	2435	881.5	-	-	-	-	14.14	14.20	
CA 2A-2A-6A-6A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	20	50665	5537.5	176	846	20	47090	6180	-	-	-	14.12	14.20
CA 2A-2A-6A-6A	LTE B20	30	18700	186Q	64QAM	1	790	1840	1840	20	898	1599.8	176	846	20	47090	6180	-	-	-	14.19	14.20
CA 2A-2A-13A	LTE B20	30	18700	186Q	64QAM	1																

FCC ID: BCGA1934

Test Dates:

1C1806220015-01.BCG



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Tablet Device

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APPENDIX H.

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REV 20.05 M

1.3.10 LTE Band 25 as PCC

Table 25
Reduced Output Powers – Ant 2A

Combination	PCC									SCC 1				SCC 2				Power	
	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_5A-25A	LTE B25	20	26365	1882.5	QPSK	1	0	8365	1962.5	LTE B5	10	2525	881.5	-	-	-	-	13.99	14.00
CA_25A-26A	LTE B25	20	26365	1882.5	QPSK	1	0	8365	1962.5	LTE B26	10	8865	876.5	-	-	-	-	14.00	14.00
CA_25A-25A-26A	LTE B25	20	26365	1882.5	QPSK	1	0	8365	1962.5	LTE B25	20	8140	1940	LTE B26	5	8865	876.5	13.94	14.00

Table 26
Reduced Output Powers – Ant 2B

Combination	PCC								SCC 1				SCC 2				Power		
	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_5A-25A	LTE B25	15	26365	1882.5	QPSK	1	0	8365	1962.5	LTE B5	10	2525	881.5	-	-	-	-	13.68	13.68
CA_25A-26A	LTE B25	15	26365	1882.5	QPSK	1	0	8365	1962.5	LTE B26	10	8865	876.5	-	-	-	-	13.70	13.68
CA_25A-25A-26A	LTE B25	15	26365	1882.5	QPSK	1	0	8365	1962.5	LTE B25	20	8140	1940	LTE B26	5	8865	876.5	13.35	13.68

Table 27
Reduced Output Powers – Ant 4A

	PCC									SCC 1				SCC 2				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_5A-25A	LTE B25	20	26140	1860	16QAM	1	0	8140	1940	LTE B5	10	2525	881.5	-	-	-	-	15.18	15.30
CA_25A-26A	LTE B25	20	26140	1860	16QAM	1	0	8140	1940	LTE B26	10	8865	876.5	-	-	-	-	15.29	15.30
CA_25A-25A-26A	LTE B25	20	26140	1860	16QAM	1	0	8140	1940	LTE B25	20	8590	1985	LTE B26	5	8865	876.5	15.26	15.30

Table 28
Reduced Output Powers – Ant 4B

Combination	PCC Band	PCC								SCC 1				SCC 2				Power	
		PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_5A-25A	LTE B25	20	26140	1860	64QAM	1	99	8140	1940	LTE B5	10	2525	881.5	-	-	-	-	14.13	14.20
CA_25A-26A	LTE B25	20	26140	1860	64QAM	1	99	8140	1940	LTE B26	10	8865	876.5	-	-	-	-	14.11	14.20
CA_25A-25A-26A	LTE B25	20	26140	1860	64QAM	1	99	8140	1940	LTE B25	20	8590	1985	LTE B26	5	8865	876.5	14.13	14.20

1.3.11 LTE Band 30 as PCC

Table 29
Reduced Output Powers – Ant 2A

Combination	PCC Band	PCC						SCC 1				SCC 2				SCC 3				Power					
		PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)		
CA_2C-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B2	20	702	1940.2		24.56					12.90	
CA_2A-2A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B5	10	2525	881.5			12.45	12.60
CA_2A-2A-12A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B12	10	5095	797.5			12.44	12.60
CA_2A-2A-29A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B29	10	8715	722.5			12.43	12.60
CA_2A-2A-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145			12.43	12.60
CA_2A-4A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B5	10	2525	881.5			12.41	12.60
CA_2A-4A-12A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B12	10	5095	797.5			12.43	12.60
CA_2A-4A-29A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B29	10	8715	722.5			12.44	12.60
CA_2A-5A-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B66	20	66786	2145			12.41	12.60
CA_2A-12A-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B12	10	5095	797.5	LTE B66	20	66786	2145			12.45	12.60
CA_2A-14A-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B14	10	5330	763	LTE B66	20	66786	2145			12.45	12.60
CA_2A-29A-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B29	10	8715	722.5	LTE B66	20	66786	2145			12.44	12.60
CA_4A-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B4	20	2175	2132.5	LTE B4	20	2175	2132.5	LTE B66	20	66786	2145			12.41	12.60
CA_4A-4A-12A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B4	20	2175	2132.5	LTE B12	10	5095	797.5	LTE B12	10	5095	797.5			12.43	12.60
CA_4A-4A-29A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B4	20	2175	2132.5	LTE B29	10	8715	722.5	LTE B66	20	66786	2145			12.41	12.60
CA_5A-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190			12.41	12.60
CA_12A-30A-66A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B12	10	5095	797.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190			12.45	12.60
CA_14A-30A-66A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B14	10	5330	763	LTE B66	20	66786	2145	LTE B66	20	67236	2190			12.42	12.60
CA_2A-5B-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B66	20	66786	2145			12.51	12.60
CA_5B-30A-66A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B66	20	66786	2145			12.53	12.60

Table 30
Reduced Output Powers – Ant 2B

Combination	PCC Band	PCC BW [MHz]	PCC				SCC 1				SCC 2				SCC 3				SCC 4				Power				
			PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)				
CA_2C-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B2	20	702	1940.2	-	-	-	-	-	-	-	12.90		
CA_2A-2A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B5	10	2525	881.5	-	-	-	-	12.84	12.90
CA_2A-2A-12A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B12	10	5095	797.5	-	-	-	-	12.90	12.90
CA_2A-2A-29A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B29	10	8715	722.5	-	-	-	-	12.89	12.90
CA_2A-2A-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	-	-	-	-	12.85	12.90
CA_2A-4A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B5	10	2525	881.5	-	-	-	-	12.80	12.90
CA_2A-4A-12A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B12	10	5095	797.5	-	-	-	-	12.89	12.90
CA_2A-4A-29A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B29	10	8715	722.5	-	-	-	-	12.85	12.90
CA_2A-5A-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	-	-	-	-	12.89	12.90
CA_2A-12A-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B12	10	5095	797.5	LTE B66	20	66786	2145	-	-	-	-	12.89	12.90
CA_2A-14A-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B14	10	5330	763	LTE B66	20	66786	2145	-	-	-	-	12.89	12.90
CA_2A-29A-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B29	10	8715	722.5	LTE B66	20	66786	2145	-	-	-	-	12.80	12.90
CA_2A-29A-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B29	10	8715	722.5	LTE B66	20	66786	2145	-	-	-	-	12.80	12.90
CA_4A-12A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B4	20	2175	2132.5	LTE B4	20	2150	2150	LTE B12	10	5095	797.5	-	-	-	-	12.80	12.90
CA_12A-30A-66A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B12	10	5095	797.5	LTE B66	20	66786	2145	LTE B66	20	66786	2145	-	-	-	-	12.80	12.90
CA_12A-30A-66A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B14	10	5330	763	LTE B66	20	66786	2145	LTE B66	20	66786	2145	-	-	-	-	12.89	12.90
CA_28A-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	-	-	-	-	12.90	12.90
CA_30A-30A-66A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B12	10	5095	797.5	LTE B66	20	66786	2145	LTE B66	20	66786	2145	-	-	-	-	12.89	12.90

Combination	PCB Band	PCB BW [MHz]	PCC				SSC 1				SSC 2				SSC 3				SSC 4				Power		
			PCC [UL] Ch	PCC [UL] Freq [MHz]	OpK	PCC UL RB	PCC UL RB Offset	PCC [DL] Channel	PCC [DL] Freq [MHz]	SSC BW [MHz]	SSC [DL] Freq [MHz]	SSC Band	SSC BW [MHz]	SSC [DL] Freq [MHz]	SSC Band	SSC BW [MHz]	SSC [DL] Channel	SSC [DL] Freq [MHz]	SSC Band	SSC BW [MHz]	SSC [DL] Channel	SSC [DL] Freq [MHz]	LTE Tx Power (dBm)	LTE Single Carrier Tx Power (%)	
CA 2C-30A	LTE E830	10	27710	2310	OpK1	1	49	9820	2350	LTE E82	20	900	1560	LTE E82	20	700	1560	31.66	15.80	-	-	-	-	-	-
CA 2A-2A-5A-30A	LTE E830	10	27710	2310	OpK1	1	49	9820	2350	LTE E82	20	900	1560	LTE E82	20	700	1560	LTE B15	10	7325	8815	11.82	11.80		
CA 2A-2A-12A-30A	LTE E830	10	27710	2310	OpK1	1	49	9820	2350	LTE E82	20	900	1560	LTE B2	20	700	1560	LTE B15	10	5095	7375	11.43	11.40		
CA 2A-2A-20A-30A	LTE E830	10	27710	2310	OpK1	1	49	9820	2350	LTE E82	20	900	1560	LTE B2	20	700	1560	LTE B15	10	5095	7375	11.43	11.40		
CA 2A-2A-30A-66A	LTE E830	10	27710	2310	OpK1	1	49	9820	2350	LTE E82	20	900	1560	LTE B2	20	700	1560	LTE B66	20	66786	7145	11.39	11.30		
CA 2A-4A-5A-30A	LTE E830	10	27710	2310	OpK1	1	49	9820	2350	LTE E82	20	900	1560	LTE B4	20	2175	2132.5	LTE B15	10	7325	8815	11.82	11.80		
CA 2A-4A-12A-30A	LTE E830	10	27710	2310	OpK1	1	49	9820	2350	LTE E82	20	900	1560	LTE B2	20	2175	2132.5	LTE B12	10	5095	7375	11.39	11.30		
CA 2A-4A-20A-30A	LTE E830	10	27710	2310	OpK1	1	49	9820	2350	LTE E82	20	900	1560	LTE B4	20	2175	2132.5	LTE B12	10	5095	7375	11.39	11.30		
CA 2A-4A-30A-66A	LTE E830	10	27710	2310	OpK1	1	49	9820	2350	LTE E82	20	900	1560	LTE B4	20	2175	2132.5	LTE B12	10	5095	7375	11.39	11.30		
CA 2A-12A-30A-66A	LTE E830	10	27710	2310	OpK1	1	49	9820	2350	LTE E82	20	900	1560	LTE B5	20	2125	88.5	LTE B66	20	66786	7145	11.39	11.30		
CA 2A-12A-20A-30A	LTE E830	10	27710	2310	OpK1	1	49	9820	2350	LTE E82	20	900	1560	LTE B5	20	2125	88.5	LTE B66	20	66786	7145	11.39	11.30		
CA 2A-12A-30A-66A	LTE E830	10	27710	2310	OpK1	1	49	9820	2350	LTE E82	20	900	1560	LTE B14	10	5130	763	LTE B66	20	66786	7145	11.43	11.40		
CA 2A-20A-30A-66A	LTE E830	10	27710	2310	OpK1	1	49	9820	2350	LTE E82	20	900	1560	LTE B14	10	722.5	71.5	LTE B66	20	66786	7145	11.39	11.30		
CA 4A-4A-30A-66A	LTE E830	10	27710	2310	OpK1	1	49	9820	2350	LTE E84	20	2375	2132.5	LTE B4	10	2530	2130	LTE B66	20	66786	7145	11.39	11.30		
CA 4A-4A-12A-30A	LTE E830	10	27710	2310	OpK1	1	49	9820	2350	LTE E84	20	2375	2132.5	LTE B4	10	2530	2130	LTE B66	20	66786	7145	11.39	11.30		
CA 4A-4A-20A-30A	LTE E830	10	27710	2310	OpK1	1	49	9820	2350	LTE E84	20	2375	2132.5	LTE B4	10	2530	2130	LTE B66	20	66786	7145	11.39	11.30		
CA 4A-12A-30A-66A	LTE E830	10	27710	2310	OpK1	1	49	9820	2350	LTE E84	20	2375	2132.5	LTE B4	10	2530	2130	LTE B66	20	66786	7145	11.39	11.30		
CA 4A-20A-30A-66A	LTE E830	10	27710	2310	OpK1	1	49	9820	2350	LTE E84	20	2375	2132.5	LTE B4	10	2530	2130	LTE B66	20	66786	7145	11.39	11.30		
CA 12A-30A-66A-66A	LTE E830	10	27710	2310	OpK1	1	49	9820	2350	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	LTE B66	20	66786	2145	11.30	11.30		
CA 12A-30A-66A-66A	LTE E830	10	27710	2310	OpK1	1	49	9820	2350	LTE B12	10	5130	763	LTE B66	20	66786	2145	LTE B66	20	66786	2145	11.30	11.30		
CA 20A-30A-66A-66A	LTE E830	10	27710	2310	OpK1	1	49	9820	2350	LTE E85	10	2525	88.5	LTE B5	5	2463.5	84.3	LTE B66	20	66786	2145	11.39	11.30		

Combination	PCB Band	PCC						SSC 1				SSC 2				SSC 3				SSC 4				Power			
		PCC BW [MHz]	PCC [LH] Ch	PCC [LH] Freq [MHz]	Mod.	PCC ULH RB	PCC UL RB Offset	PCC [DL] Channel	PCC [DL] Freq [MHz]	SSC Band	SSC BW [MHz]	SSC [DL] Freq [MHz]	SSC Band	SSC BW [MHz]	SSC [DL] Freq [MHz]	SSC Band	SSC BW [MHz]	SSC [DL] Channel	SSC [DL] Freq [MHz]	SSC Band	SSC BW [MHz]	SSC [DL] Channel	SSC [DL] Freq [MHz]	LTE Tx Power with DC Offset [dBm]	LTE Single Carrier Tx Power [dBm]		
CA 1C-30A	LTE E80	10	27710	2310	QPSK	1	49	9820	2350	LTE E82	20	900	1560	LTE E82	20	700	1540	1560	15	11.8	11.8	11.8	11.8	11.8	11.8		
CA 2A-2A-5A-30A	LTE E80	10	27710	2310	QPSK	1	49	9820	2350	LTE E82	20	900	1560	LTE E82	20	700	1540	LTE B15	10	7525	581.5	-	-	11.0	11.0		
CA 2A-2A-32A-30A	LTE E80	10	27710	2310	QPSK	1	49	9820	2350	LTE E82	20	900	1560	LTE E82	20	700	1540	LTE B15	10	5095	577.5	-	-	10.0	10.0		
CA 2A-2A-30A-66A	LTE E80	10	27710	2310	QPSK	1	49	9820	2350	LTE E82	20	900	1560	LTE E82	20	700	1540	LTE B15	10	5715	572.5	-	-	11.16	11.16		
CA 2A-2A-30A-66A	LTE E80	10	27710	2310	QPSK	1	49	9820	2350	LTE E82	20	900	1560	LTE E82	20	700	1540	LTE B66	20	5245	574.5	-	-	11.18	11.18		
CA 2A-4A-5A-30A	LTE E80	10	27710	2310	QPSK	1	49	9820	2350	LTE E82	20	900	1560	LTE B4	20	2125	2125.5	LTE B8	10	2525	581.5	-	-	10.0	10.0		
CA 2A-4A-30A-66A	LTE E80	10	27710	2310	QPSK	1	49	9820	2350	LTE E82	20	900	1560	LTE B4	20	2125	2125.5	LTE B8	10	5715	572.5	-	-	11.16	11.16		
CA 2A-4A-30A-66A	LTE E80	10	27710	2310	QPSK	1	49	9820	2350	LTE E82	20	900	1560	LTE B4	20	2125	2125.5	LTE B29	10	5715	572.5	-	-	11.05	11.05		
CA 2A-4A-29A-30A	LTE E80	10	27710	2310	QPSK	1	49	9820	2350	LTE E82	20	900	1560	LTE B5	10	2525	581.5	LTE B66	20	66785	2145	-	-	10.0	10.0		
CA 2A-12A-30A-66A	LTE E80	10	27710	2310	QPSK	1	49	9820	2350	LTE E82	20	900	1560	LTE B12	20	66785	2145	LTE B66	20	66785	2145	-	-	11.16	11.16		
CA 2A-14A-30A-66A	LTE E80	10	27710	2310	QPSK	1	49	9820	2350	LTE E82	20	900	1560	LTE B14	10	5130	763	LTE B66	20	66785	2145	-	-	11.13	11.13		
CA 2A-29A-30A-66A	LTE E80	10	27710	2310	QPSK	1	49	9820	2350	LTE E82	20	900	1560	LTE B29	10	5115	722.5	LTE B66	20	66785	2145	-	-	11.18	11.18		
CA 2A-30A-66A	LTE E80	10	27710	2310	QPSK	1	49	9820	2350	LTE E82	20	900	1560	LTE B30	10	5115	722.5	LTE B66	20	66785	2145	-	-	11.18	11.18		
CA 4A-12A-30A	LTE E80	10	27710	2310	QPSK	1	49	9820	2350	LTE B4	20	2125	2125.5	LTE B4	10	2510	2150	LTE B12	10	5095	577.5	-	-	11.16	11.16		
CA 4A-12A-30A-66A	LTE E80	10	27710	2310	QPSK	1	49	9820	2350	LTE E82	20	900	1560	LTE B4	20	2125	2125.5	LTE B12	10	5715	572.5	-	-	11.16	11.16		
CA 12A-30A-66A	LTE E80	10	27710	2310	QPSK	1	49	9820	2350	LTE E82	20	900	1560	LTE B12	20	66785	2145	LTE B66	20	66785	2145	-	-	11.16	11.16		
CA 14A-30A-66A	LTE E80	10	27710	2310	QPSK	1	49	9820	2350	LTE E82	20	900	1560	LTE B14	10	5130	763	LTE B66	20	66785	2145	LTE B66	20	66785	2145	11.13	11.13
CA 2A-30A-66A	LTE E80	10	27710	2310	QPSK	1	49	9820	2350	LTE E82	20	900	1560	LTE B5	10	2525	581.5	LTE B66	20	66785	2145	-	-	11.1	11.1		
CA 30A-66A	LTE E80	10	27710	2310	QPSK	1	49	9820	2350	LTE E82	20	900	1560	LTE B30	10	5115	722.5	LTE B66	20	66785	2145	-	-	11.1	11.1		

Combination	PCC Band	PCC						SCC 1			SCC 2			SCC 3			LTE Tx Power with DL CA Enabler (dBm)	LTE Single Carrier Tx Power (dBm)					
		PCC BW [MHz]	PCC [UL] Ch. Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC [DL] Channel	PCC [DL] Freq. [MHz]	SCC Band [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band [MHz]	SCC [DL] Channel			SCC [DL] Freq. [MHz]				
CA 5A-7A	LTE B7	20	21350	256Q	QPSK	1	0	3350	2680	LTE B5	10	2525	881.5	-	-	-	-	11.95	12.00				
CA 7B	LTE B7	15	21375	2562.5	QPSK	1	36	3375	2682.5	LTE B7	5	3282	2673.2	-	-	-	-	11.95	11.99				
CA 7C(1)	LTE B7	20	21350	2560	QPSK	1	0	3350	2680	LTE B7	20	3352	2660.0	-	-	-	-	11.90	12.00				
CA 7A-46A(1)	LTE B7	20	21350	2560	QPSK	1	0	3350	2680	LTE B46	20	50665	5537.5	-	-	-	-	12.00	12.00				
CA 7A-66A	LTE B7	20	21350	2560	QPSK	1	0	3350	2680	LTE B66	20	66786	2145	-	-	-	-	12.00	12.00				
CA 4A-4A-7A(1)	LTE B7	20	21350	2560	QPSK	1	0	3350	2680	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	-	11.99	12.00			
CA 4A-7A-7A	LTE B7	20	21350	2560	QPSK	1	0	3350	2680	LTE B7	20	2850	2630	LTE B4	20	2175	2132.5	-	11.96	12.00			
CA 4A-7A-32A(1)	LTE B7	20	21350	2560	QPSK	1	0	3350	2680	LTE B4	20	2175	2132.5	LTE B12	20	2095	2132.5	-	11.90	12.00			
CA 7A-6C(1)	LTE B7	20	21350	2560	QPSK	1	0	3350	2680	LTE B46	20	50665	5537.5	LTE B46	20	50467	5537.7	-	11.97	12.00			
CA 7A-46D(1)	LTE B7	20	21350	2560	QPSK	1	0	3350	2680	LTE B46	20	50665	5537.5	LTE B46	20	50467	5537.7	LTE B46	20	50683	5557.3	11.96	12.00

Combination	PCC Band	PCC BW [MHz]	PCC [UL] Ch. Freq. [MHz]	PCC				SSC 1				SSC 2				SSC 3				LTE Tx Power with DL CA Enable (dBm)	LTE Single Carrier Tx Power (dBm)		
				Mod.	PCC UL# RB	PCC UL RB Offset	PCC [DL] Channel	PCC [DL] Freq. [MHz]	SSC Band	SSC BW [MHz]	SSC [DL] Channel	SSC [DL] Freq. [MHz]	SSC Band	SSC BW [MHz]	SSC [DL] Channel	SSC [DL] Freq. [MHz]	SSC Band	SSC BW [MHz]	SSC [DL] Channel			SSC [DL] Freq. [MHz]	
CA 5A-7A	LTE B7	15	21100	2535	64QAM	1	0	3100	2655	LTE B5	10	2525	881.5	-	-	-	-	-	-	12.30	12.29		
CA 7B	LTE B7	15	21100	2535	64QAM	1	0	3100	2655	LTE B7	5	3007	2645.7	-	-	-	-	-	-	12.46	12.29		
CA 7A (1)	LTE B7	15	21100	2535	64QAM	1	0	3100	2655	LTE B7	20	2929	2637.9	-	-	-	-	-	-	12.30	12.29		
CA 7A-46A (1)	LTE B7	15	21100	2535	64QAM	1	0	3100	2655	LTE B46	20	50665	5537.5	-	-	-	-	-	-	12.30	12.29		
CA 7A-66A	LTE B7	15	21100	2535	64QAM	1	0	3100	2655	LTE B66	20	66786	2145	-	-	-	-	-	-	12.25	12.29		
CA 4A-4A-7A (1)	LTE B7	15	21100	2535	64QAM	1	0	3100	2655	LTE B4	20	2175	2135.2	LTE B4	10	2350	2150	-	-	-	12.30	12.29	
CA 4A-7A	LTE B7	15	21100	2535	64QAM	1	0	3100	2655	LTE B7	20	2850	2630	LTE B4	20	2175	2135.2	-	-	-	12.20	12.29	
CA 4A-7A-52A (1)	LTE B7	15	21100	2535	64QAM	1	0	3100	2655	LTE B4	20	2175	2135.2	LTE B32	10	2095	2129.7	-	-	-	12.15	12.29	
CA 7A-6C (1)	LTE B7	15	21100	2535	64QAM	1	0	3100	2655	LTE B46	20	50665	5537.5	LTE B46	20	50667	5537.7	-	-	-	12.25	12.29	
CA 7A-46D (1)	LTE B7	15	21100	2535	64QAM	1	0	3100	2655	LTE B46	20	50665	5537.5	LTE B46	20	50667	5537.7	LTE B46	20	50663	5557.3	12.24	12.29

Combination	PCC Band	PCC						SCC 1				SCC 2				SCC 3				Power			
		PCC BW [MHz]	PCC [UL] Ch. Freq. [MHz]	Mod.	PCC UL# RB	PCC UL# RB Offset	PCC [DL] Channel	PCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	LTE Tx Power with DL CA Enable (dBm)	LTE Single Carrier Tx Power (dBm)	
CA 5A-7A	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	LTE B5	10	2525	2881.5	-	-	-	-	-	-	-	12.00	12.00	
CA 7A	LTE B7	15	20850	2507.5	QPSK	36	37	2825	2627.5	LTE B7	5	2918	2636.8	-	-	-	-	-	-	-	11.98	12.00	
CA 7A-7C (1)	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	LTE B7	20	2068	2648.8	-	-	-	-	-	-	-	12.00	12.00	
CA 7A-46A (1)	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	11.90	12.00	
CA 7A-66A	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	LTE B66	20	66786	2145	-	-	-	-	-	-	-	11.95	12.00	
CA 4A-4A-7A (1)	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	LTE B4	20	2175	2162.5	LTE B4	10	2350	2150	-	-	-	-	11.99	12.00
CA 4A-7A	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	LTE B7	20	3350	2630	LTE B4	20	2175	2132.5	-	-	-	-	11.96	12.00
CA 4A-7A-32A (1)	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	LTE B4	20	2175	2132.5	LTE B32	20	5069	5537.5	-	-	-	-	11.90	12.00
CA 7A-84C (1)	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	LTE B46	20	50665	5537.5	LTE B46	20	50667	5517.7	-	-	-	-	12.00	12.00
CA 7A-46D (1)	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	LTE B46	20	50665	5537.5	LTE B46	20	50667	5517.7	LTE B46	20	50683	5557.3	12.00	12.00

FCC ID: BCGA1934	 SAR EVALUATION REPORT	Reviewed by: Quality Manager
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Table 36
Reduced Output Powers – Ant 4B

PCC										SCC 1				SCC 2				SCC 3				Power	
Combination	PCC Band	PCC BW [MHz]	PCC [UL] Ch.	PCC [UL] Freq. [MHz]	Mod.	PCC UL# RB	PCC UL# RB Offset	PCC [DL] Channel	PCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA 5A-7A	LTE B7	15	21375	2562.5	QPSK	36	37	3375	2682.5	LTE B5	10	2525	2673.2	-	-	-	-	-	-	-	-	12.00	12.00
CA 7C	LTE B7	15	21375	2562.5	QPSK	36	37	3375	2682.5	LTE B7	5	3282	2673.2	-	-	-	-	-	-	-	-	12.00	12.00
CA 7A-66A (1)	LTE B7	15	21375	2562.5	QPSK	36	37	3375	2682.5	LTE B6	20	5204	2665.4	-	-	-	-	-	-	-	-	12.00	12.00
CA 7A-66A	LTE B7	15	21375	2562.5	QPSK	36	37	3375	2682.5	LTE B6	20	50605	5537.5	-	-	-	-	-	-	-	-	12.00	12.00
CA 4A-4A-7A (1)	LTE B7	15	21375	2562.5	QPSK	36	37	3375	2682.5	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	-	-	-	-	11.89	12.00
CA 4A-7A-7A	LTE B7	15	21375	2562.5	QPSK	36	37	3375	2682.5	LTE B7	20	2850	2630	LTE B4	20	2175	2132.5	-	-	-	-	11.98	12.00
CA 4A-7A-12A (1)	LTE B7	15	21375	2562.5	QPSK	36	37	3375	2682.5	LTE B4	20	2175	2132.5	LTE B12	10	5095	737.5	-	-	-	-	11.98	12.00
CA 7A-66C (1)	LTE B7	15	21375	2562.5	QPSK	36	37	3375	2682.5	LTE B46	20	50605	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	12.00	12.00
CA 7A-46D (1)	LTE B7	15	21375	2562.5	QPSK	36	37	3375	2682.5	LTE B46	20	50605	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	12.00	12.00

1.3.13 LTE Band 41 as PCC

Table 37
Reduced Output Powers – Ant 2A

Combination	PCC										SCC 1				SCC 2				SCC 3				SCC 4				Power	
	PCC Band	PCC BW [MHz]	PCC [UL] Ch.	PCC [UL] Freq. [MHz]	Mod.	PCC UL# RB	PCC UL# RB Offset	PCC [DL] Channel	PCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)	
CA 41A-41A (1)	LTE B41	20	40620	2593	QPSK	1	99	40620	2593	LTE B41	20	39750	2506	-	-	-	-	-	-	-	-	-	-	-	-	-	14.79	14.80
CA 41A-41C	LTE B41	20	40620	2593	QPSK	1	99	40620	2593	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	-	-	-	-	-	-	-	14.79	14.80
CA 41C-41A	LTE B41	20	40620	2593	QPSK	1	99	40620	2593	LTE B41	20	40818	2612.8	LTE B41	20	41490	2680	-	-	-	-	-	-	-	-	-	14.80	14.80
CA 41A-41D	LTE B41	20	40620	2593	QPSK	1	99	40620	2593	LTE B41	20	41094	2640.4	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	-	-	-	14.80	14.80
CA 41C-41C	LTE B41	20	40620	2593	QPSK	1	99	40620	2593	LTE B41	20	40422	2573.2	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	-	-	-	14.79	14.80
CA 41E	LTE B41	20	40620	2593	QPSK	1	99	40620	2593	LTE B41	20	40422	2573.2	LTE B41	20	40818	2612.8	LTE B41	20	41016	2632.6	-	-	-	-	-	14.80	14.80
CA 41D-41A	LTE B41	20	40620	2593	QPSK	1	99	40620	2593	LTE B41	20	40422	2573.2	LTE B41	20	40818	2612.8	LTE B41	20	41400	2680	-	-	-	-	-	14.80	14.80
CA 41C-41D	LTE B41	20	40620	2593	QPSK	1	99	40620	2593	LTE B41	20	40422	2573.2	LTE B41	20	41094	2640.4	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	14.79	14.80	14.80
CA 41D-41C	LTE B41	20	40620	2593	QPSK	1	99	40620	2593	LTE B41	20	40422	2573.2	LTE B41	20	40818	2612.8	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	14.69	14.80	14.80

Table 38
Reduced Output Powers – Ant 2B

		PCC								SCC 1				SCC 2				SCC 3				SCC 4				Power		
		PCC Band	PCC BW [MHz]	PCC [UL] Ch.	PCC [DL] Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC [DL] Channel	PCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	LTE Tx Power with CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA 41A-41A (1)	LTE B41	15	39750	2506	QPSK	1	74	39750	2506	LTE B41	20	41490	2680	-	-	-	-	-	-	-	-	-	-	-	-	-	14.50	14.49
CA 41A-41C	LTE B41	15	39750	2506	QPSK	1	74	39750	2506	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	-	-	-	-	-	-	-	14.50	14.49
CA 41C-41A	LTE B41	15	39750	2506	QPSK	1	74	39750	2506	LTE B41	20	39921	2523.1	LTE B41	20	41490	2680	-	-	-	-	-	-	-	-	-	14.50	14.49
CA 41A-41D	LTE B41	15	39750	2506	QPSK	1	74	39750	2506	LTE B41	20	41094	2640.4	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	-	-	-	14.50	14.49
CA 41C-41C	LTE B41	15	39750	2506	QPSK	1	74	39750	2506	LTE B41	20	39921	2523.1	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	-	-	-	14.49	14.49
CA 41E	LTE B41	15	39750	2506	QPSK	1	74	39750	2506	LTE B41	20	39921	2523.1	LTE B41	20	40519	2542.9	LTE B41	20	40317	2562.7	-	-	-	-	-	14.46	14.49
CA 41D-41A	LTE B41	15	39750	2506	QPSK	1	74	39750	2506	LTE B41	20	39921	2523.1	LTE B41	20	40519	2542.9	LTE B41	20	41490	2680	-	-	-	-	-	14.48	14.49
CA 41C-41D	LTE B41	15	39750	2506	QPSK	1	74	39750	2506	LTE B41	20	39921	2523.1	LTE B41	20	41094	2640.4	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	14.48	14.49
CA 41D-41C	LTE B41	15	39750	2506	QPSK	1	74	39750	2506	LTE B41	20	39921	2523.1	LTE B41	20	40519	2542.9	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	14.42	14.49

Table 39
Reduced Output Powers – Ant 4A

Combination	PCC									SCC 1				SCC 2				SCC 3				SCC 4				Power	
	PCC Band	PCC BW [MHz]	PCC [UL] Ch.	PCC [UL] Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC [DL] Channel	PCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA 41A-41A (1)	LTE B41	20	40185	2549.5	QPSK	1	50	40185	2549.5	LTE B41	20	41490	2680													14.43	14.50
CA 41A-41C	LTE B41	20	40185	2549.5	QPSK	1	50	40185	2549.5	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680									14.50	14.50
CA 41C-41A	LTE B41	20	40185	2549.5	QPSK	1	50	40185	2549.5	LTE B41	20	40383	2569.3	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680					14.50	14.50
CA 41A-41D	LTE B41	20	40185	2549.5	QPSK	1	50	40185	2549.5	LTE B41	20	41094	2640.4	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680					14.50	14.50
CA 41C-41C	LTE B41	20	40185	2549.5	QPSK	1	50	40185	2549.5	LTE B41	20	40383	2569.3	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680					14.50	14.50
CA 41E	LTE B41	20	40185	2549.5	QPSK	1	50	40185	2549.5	LTE B41	20	40383	2569.3	LTE B41	20	40383	2569.3	LTE B41	20	40779	2608.9					14.50	14.50
CA 41D-41A	LTE B41	20	40185	2549.5	QPSK	1	50	40185	2549.5	LTE B41	20	40383	2569.3	LTE B41	20	40383	2569.3	LTE B41	20	41490	2680					14.50	14.50
CA 41C-41D	LTE B41	20	40185	2549.5	QPSK	1	50	40185	2549.5	LTE B41	20	40383	2569.3	LTE B41	20	41094	2640.4	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	14.48	14.50
CA 41D-41C	LTE B41	20	40185	2549.5	QPSK	1	50	40185	2549.5	LTE B41	20	40383	2569.3	LTE B41	20	40383	2569.3	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	14.43	14.50

Table 40
Reduced Output Powers – Ant 4B

		PCC								SCC 1				SCC 2				SCC 3				SCC 4		Power				
		PCC Band	PCC BW [MHz]	PCC [UL] Ch.	PCC [UL] Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC [DL] Channel	PCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	LTE Tx Power with CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA 41A-41A (1)	LTE B41	20	40185	2549.5	16QAM	1	0	40185	2549.5	LTE B41	20	41490	2680	-	-	-	-	-	-	-	-	-	-	-	-	-	14.98	14.97
CA 41A-41C	LTE B41	20	40185	2549.5	16QAM	1	0	40185	2549.5	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	-	-	-	-	-	-	-	14.99	14.97
CA 41C-41A	LTE B41	20	40185	2549.5	16QAM	1	0	40185	2549.5	LTE B41	20	40383	2569.3	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	-	-	-	14.99	14.97
CA 41A-41D	LTE B41	20	40185	2549.5	16QAM	1	0	40185	2549.5	LTE B41	20	41094	2640.4	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	-	-	-	14.99	14.97
CA 41C-41C	LTE B41	20	40185	2549.5	16QAM	1	0	40185	2549.5	LTE B41	20	40383	2569.3	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	-	-	-	14.98	14.97
CA 41E	LTE B41	20	40185	2549.5	16QAM	1	0	40185	2549.5	LTE B41	20	40383	2569.3	LTE B41	20	40383	2569.3	LTE B41	20	40779	2608.9	-	-	-	-	-	14.93	14.97
CA 41D-41A	LTE B41	20	40185	2549.5	16QAM	1	0	40185	2549.5	LTE B41	20	40383	2569.3	LTE B41	20	40383	2569.3	LTE B41	20	40779	2608.9	-	-	-	-	-	14.90	14.97
CA 41D-41D	LTE B41	20	40185	2549.5	16QAM	1	0	40185	2549.5	LTE B41	20	40383	2569.3	LTE B41	20	40383	2569.3	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	14.98	14.97
CA 41D-41D (2)	LTE B41	20	40185	2549.5	16QAM	1	0	40185	2549.5	LTE B41	20	40383	2569.3	LTE B41	20	40383	2569.3	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	14.93	14.97

1.3.14 LTE Band 41 PC2 as PCC

Table 41
Reduced Output Powers – Ant 2A

Combination	PCC					SCC 1				SCC 2				SCC 3				SCC 4				Power					
	PCC Band	PCC BW [MHz]	PCC [UL] Ch.	PCC [DL] Freq. [MHz]	Mod.	PCC UL RB	PCC UL RB Offset	PCC [DL] Channel	PCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	LTE Tx Power with CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA 41A-41A (1)	LTE B41 PC2	20	40620	2593	QPSK	1	99	40620	2593	LTE B41 PC2	20	39750	2506													14.80	14.80
CA 41A-41C	LTE B41 PC2	20	40620	2593	QPSK	1	99	40620	2593	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680									14.74	14.80
CA 41C-41A	LTE B41 PC2	20	40620	2593	QPSK	1	99	40620	2593	LTE B41 PC2	20	40818	2612.8	LTE B41 PC2	20	39750	2506									14.71	14.80
CA 41A-41D	LTE B41 PC2	20	40620	2593	QPSK	1	99	40620	2593	LTE B41 PC2	20	41094	2640.4	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680					14.74	14.80
CA 41C-41C	LTE B41 PC2	20	40620	2593	QPSK	1	99	40620	2593	LTE B41 PC2	20	40822	2573.2	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680					14.73	14.80
CA 41E	LTE B41 PC2	20	40620	2593	QPSK	1	99	40620	2593	LTE B41 PC2	20	40422	2573.2	LTE B41 PC2	20	40818	2612.8	LTE B41 PC2	20	41016	2632.6					14.75	14.80
CA 41D-41A	LTE B41 PC2	20	40620	2593	QPSK	1	99	40620	2593	LTE B41 PC2	20	40522	2573.2	LTE B41 PC2	20	40818	2612.8	LTE B41 PC2	20	41016	2632.6					14.75	14.80
CA 41C-41D	LTE B41 PC2	20	40620	2593	QPSK	1	99	40620	2593	LTE B41 PC2	20	40422	2573.2	LTE B41 PC2	20	40818	2612.8	LTE B41 PC2	20	41016	2632.6	LTE B41 PC2	20	41490	2680	14.80	14.80
CA 41D-41C	LTE B41 PC2	20	40620	2593	QPSK	1	99	40620	2593	LTE B41 PC2	20	40422	2573.2	LTE B41 PC2	20	40818	2612.8	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	14.80	14.80

Table 42
Reduced Output Powers – Ant 2B

Combination	PCC					SCC 1				SCC 2				SCC 3				SCC 4				Power					
	PCC Band	PCC BW [MHz]	PCC [UL] Ch.	PCC [DL] Freq. [MHz]	Mod.	PCC UL RB	PCC UL RB Offset	PCC [DL] Channel	PCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	LTE Tx Power with CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA 41A-41A (1)	LTE B41 PC2	15	39750	2506	QPSK	1	74	39750	2506	LTE B41 PC2	20	41490	2680													14.48	14.50
CA 41A-41C	LTE B41 PC2	15	39750	2506	QPSK	1	74	39750	2506	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680									14.44	14.50
CA 41C-41A	LTE B41 PC2	15	39750	2506	QPSK	1	74	39750	2506	39921	2523.1	LTE B41 PC2	20	41490	2680											14.48	14.50
CA 41A-41D	LTE B41 PC2	15	39750	2506	QPSK	1	74	39750	2506	LTE B41 PC2	20	41094	2640.4	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680					14.50	14.50
CA 41C-41C	LTE B41 PC2	15	39750	2506	QPSK	1	74	39750	2506	LTE B41 PC2	20	39921	2523.1	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680					14.48	14.50
CA 41E	LTE B41 PC2	15	39750	2506	QPSK	1	74	39750	2506	39921	2523.1	LTE B41 PC2	20	40119	2542.9	LTE B41 PC2	20	40317	2562.7							14.50	14.50
CA 41D-41A	LTE B41 PC2	15	39750	2506	QPSK	1	74	39750	2506	39921	2523.1	LTE B41 PC2	20	40119	2542.9	LTE B41 PC2	20	40317	2562.7							14.47	14.50
CA 41C-41D	LTE B41 PC2	15	39750	2506	QPSK	1	74	39750	2506	39921	2523.1	LTE B41 PC2	20	40119	2542.9	LTE B41 PC2	20	40317	2562.7	LTE B41 PC2	20	41490	2680			14.38	14.50
CA 41D-41C	LTE B41 PC2	15	39750	2506	QPSK	1	74	39750	2506	39921	2523.1	LTE B41 PC2	20	40119	2542.9	LTE B41 PC2	20	40317	2562.7	LTE B41 PC2	20	41490	2680			14.37	14.50

Table 43
Reduced Output Powers – Ant 4A

Combination	PCC										SCC 1				SCC 2				SCC 3				SCC 4				Power	
	PCC Band	PCC BW [MHz]	PCC [UL] Ch.	PCC [DL] Freq. [MHz]	Mod.	PCC UL RB	PCC UL RB Offset	PCC [DL] Channel	PCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)	
CA 41A-41A (1)	LTE B41 PC2	20	39750	2506	16QAM	1	99	39750	2506	LTE B41 PC2	20	41490	2680													14.80	14.80	
CA 41A-41C	LTE B41 PC2	20	39750	2506	16QAM	1	99	39750	2506	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680									14.46	14.80	
CA 41C-41A	LTE B41 PC2	20	39750	2506	16QAM	1	99	39750	2506	LTE B41 PC2	20	39948	2525.8	LTE B41 PC2	20	41490	2680									14.46	14.80	
CA 41A-41D	LTE B41 PC2	20	39750	2506	16QAM	1	99	39750	2506	LTE B41 PC2	20	41094	2640.4	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680					14.49	14.80	
CA 41C-41C	LTE B41 PC2	20	39750	2506	16QAM	1	99	39750	2506	LTE B41 PC2	20	39948	2525.8	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680					14.46	14.80	
CA 41E	LTE B41 PC2	20	39750	2506	16QAM	1	99	39750	2506	LTE B41 PC2	20	39948	2525.8	LTE B41 PC2	20	40146	2545.6	LTE B41 PC2	20	40344	2565.4					14.46	14.80	
CA 41D-41A	LTE B41 PC2	20	39750	2506	16QAM	1	99	39750	2506	LTE B41 PC2	20	39948	2525.8	LTE B41 PC2	20	40146	2545.6	LTE B41 PC2	20	40344	2565.4					14.39	14.80	
CA 41C-41D	LTE B41 PC2	20	39750	2506	16QAM	1	99	39750	2506	LTE B41 PC2	20	39948	2525.8	LTE B41 PC2	20	40146	2545.6	LTE B41 PC2	20	40344	2565.4	LTE B41 PC2	20	41490	2680	14.46	14.80	
CA 41D-41C	LTE B41 PC2	20	39750	2506	16QAM	1	99	39750	2506	LTE B41 PC2	20	39948	2525.8	LTE B41 PC2	20	40146	2545.6	LTE B41 PC2	20	40344	2565.4	LTE B41 PC2	20	41490	2680	14.40	14.80	

Table 44
Reduced Output Powers – Ant 4B

Combination	PCC Band	PCC BW [MHz]	PCC										SCC 1				SCC 2				SCC 3				SCC 4				Power	
			PCC [UL] Ch.	PCC [DL] Freq. [MHz]	Mod.	PCC UL RB	PCC UL RB Offset	PCC [DL] Channel	PCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)			
CA 41A-41A (1)	LTE B41 PC2	5	39750	2506	16QAM	1	0	39750	2506	LTE B41 PC2	20	41490	2680													14.80	14.80			
CA 41A-41C	LTE B41 PC2	5	39750	2506	16QAM	1	0	39750	2506	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680									14.80	14.80			
CA 41C-41A	LTE B41 PC2	5	39750	2506	16QAM	1	0	39750	2506	LTE B41 PC2	20	39867	2517.7	LTE B41 PC2	20	41490	2680									14.81	14.80			
CA 41A-41D	LTE B41 PC2	5	39750	2506	16QAM	1	0	39750	2506	LTE B41 PC2	20	41094	2640.4	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680					14.80	14.80			
CA 41C-41C	LTE B41 PC2	5	39750	2506	16QAM	1	0	39750	2506	LTE B41 PC2	20	39867	2517.7	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680					14.80	14.80			
CA 41E	LTE B41 PC2	20	40185	2549.5	QPSK	1	0	40185	2549.5	LTE B41 PC2	20	40383	2569.3	LTE B41 PC2	20	40581	2589.1	LTE B41 PC2	20	40779	2609.9					14.80	14.80			
CA 41D-41A	LTE B41 PC2	20	40185	2549.5	QPSK	1	0	40185	2549.5	LTE B41 PC2	20	40383	2569.3	LTE B41 PC2	20	40581	2589.1	LTE B41 PC2	20	40779	2609.9					14.80	14.80			
CA 41C-41D	LTE B41 PC2	20	40185	2549.5	QPSK	1	0	40185	2549.5	LTE B41 PC2	20	40383	2569.3	LTE B41 PC2	20	40581	2589.1	LTE B41 PC2	20	40779	2609.9	LTE B41 PC2	20	41490	2680	14.80	14.80			
CA 41D-41C	LTE B41 PC2	20	40185	2549.5	QPSK	1	0	40185	2549.5	LTE B41 PC2	20	40383	2569.3	LTE B41 PC2	20	40581	2589.1	LTE B41 PC2	20	40779	2609.9	LTE B41 PC2	20	41490	2680	14.80	14.80			

1.4 DL CA with DL 4x4 MIMO RF Conduction Powers

This device supports downlink 4x4 MIMO operations for some LTE bands. Uplink transmission is limited to a single output stream. When carrier aggregation was applicable, the general test selection and setup procedures described in Section 1.2 were applied.

Per May 2017 TCB Workshop Notes, SAR for 4x4 DL MIMO was not needed since the maximum average output power in 4x4 DL MIMO mode was not more than 0.25 dB higher than the maximum output power with 4x4 DL MIMO inactive. Additionally, SAR for 4x4 MIMO Downlink Carrier Aggregation was not needed since the maximum average output power in 4x4 MIMO Downlink Carrier Aggregation mode was not more than 0.25 dB higher than the maximum output power with 4x4 MIMO Downlink and downlink carrier aggregation inactive.

FCC ID: BCGA1934	 PCTEST ENGINEERING LABORATORY, INC.	SAR EVALUATION REPORT	Reviewed by: Quality Manager
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1.4.1 LTE 4x4 MIMO DL Standalone Powers

Table 45
Reduced Output Powers – Ant 2A

LTE Band	Bandwidth [MHz]	Channel	Frequency [MHz]	Modulation	RB Size	RB Offset	4x4 DL MIMO Tx. Power [dBm]	Single Antenna Tx. Power [dBm]	Target Power [dBm]
4	20	20050	1720	64QAM	1	99	14.68	14.70	14.7
66	20	132072	1720	64QAM	1	99	14.66	14.70	14.7
2	20	18925	1882.5	QPSK	1	0	13.99	14.00	14.0
25	20	26365	1882.5	QPSK	1	0	13.94	14.00	14.0
7	20	21350	2560	QPSK	1	0	11.91	12.00	12.0
30	10	27710	2310	QPSK	1	49	12.57	12.60	12.6
41	20	40620	2593	QPSK	1	99	14.79	14.80	14.8
41 PC2	20	40620	2593	QPSK	1	99	14.77	14.80	14.8

Table 46
Reduced Output Powers – Ant 2B

LTE Band	Bandwidth [MHz]	Channel	Frequency [MHz]	Modulation	RB Size	RB Offset	4x4 DL MIMO Tx. Power [dBm]	Single Antenna Tx. Power [dBm]	Maximum Allowed Power [dBm]
4	20	20050	1720	16QAM	1	99	14.26	14.30	14.3
66	20	132072	1720	16QAM	1	99	14.27	14.30	14.3
2	1.4	19193	1909.3	64QAM	1	0	13.66	13.70	13.7
25	1.4	26683	1914.3	64QAM	1	0	13.67	13.70	13.7
7	15	21100	2535	64QAM	1	0	12.26	12.29	12.3
30	10	27710	2310	QPSK	1	49	12.88	12.90	13.4
41	15	39750	2506	QPSK	1	74	14.46	14.49	14.5
41 PC2	15	39750	2506	QPSK	1	74	14.48	14.50	14.5

FCC ID: BCGA1934	 SAR EVALUATION REPORT	Reviewed by: Quality Manager
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Table 47
Reduced Output Powers – Ant 4A

LTE Band	Bandwidth [MHz]	Channel	Frequency [MHz]	Modulation	RB Size	RB Offset	4x4 DL MIMO Tx. Power [dBm]	Single Antenna Tx. Power [dBm]	Maximum Allowed Power [dBm]
4	20	20050	1720	QPSK	1	99	14.95	15.00	15.0
66	20	132072	1720	QPSK	1	99	14.97	15.00	15.0
2	20	18700	1860	16QAM	1	0	15.28	15.30	15.3
25	20	26140	1860	16QAM	1	0	15.30	15.30	15.3
7	20	20850	2510	QPSK	1	0	11.99	12.00	12.0
30	10	27710	2310	QPSK	1	49	13.46	13.50	13.5
41	20	40185	2549.5	QPSK	1	50	14.49	14.50	14.5
41 PC2	20	39750	2506	16QAM	1	99	14.50	14.50	14.5

Table 48
Reduced Output Powers – Ant 4B

LTE Band	Bandwidth [MHz]	Channel	Frequency [MHz]	Modulation	RB Size	RB Offset	4x4 DL MIMO Tx. Power [dBm]	Single Antenna Tx. Power [dBm]	Maximum Allowed Power [dBm]
4	20	20050	1720	QPSK	1	0	14.52	14.50	14.75
66	20	132072	1720	QPSK	1	0	14.49	14.50	14.75
2	20	18700	1860	64QAM	1	99	14.18	14.20	14.2
25	20	26140	1860	64QAM	1	99	14.20	14.20	14.2
7	15	21375	2562.5	QPSK	36	37	12.02	12.00	12.3
30	10	27710	2310	QPSK	1	49	13.23	13.20	13.7
41	20	40185	2549.5	16QAM	1	0	14.98	14.97	15.0
41 PC2	5	39750	2506	16QAM	1	0	14.97	14.98	15.0

1.4.2 LTE Band 12 as PCC

Table 49
Reduced Output Powers – Ant 1

[illegible]

FCC ID: BCGA1934	 SAR EVALUATION REPORT	Reviewed by: Quality Manager
Test Dates: 1C1806220015-01.BCG	DUT Type: Tablet Device	APPENDIX H: Page 17 of 37

Table 50
Reduced Output Powers – Ant 3

Combination	PCC Band	PCC BW [MHz]	PCC [UL] Ch.	PCC [UL] Freq. [MHz]	Mod.	PCC					SCC 1					SCC 2					SCC 3					Power		
						PCC UL RB	PCC UL RB Offset	PCC [DL] Ch.	PCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)	
CA [2A]-12A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	19.95	20.00	
CA [4A]-12A (1)	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	19.89	20.00	
CA [4A]-12A (2)	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	19.89	20.00	
CA [2A]-12A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	19.92	20.00	
CA [2A]-16A (1)	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	19.97	20.00	
CA [2A]-16A (2)	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	19.97	20.00	
CA [2A]-2A-12A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	-	20.00	20.00
CA [2A]-12A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	702	1940.2	4x4 MIMO	-	-	-	-	-	-	19.96	20.00
CA [2A]-4A-12A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	-	19.97	20.00
CA [2A]-14A-12A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	-	19.92	20.00
CA [2A]-12A-13A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	-	19.98	20.00
CA [2A]-12A-66A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	19.94	20.00
CA [2A]-12A-16A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	19.95	20.00
CA [4A]-4A-12A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	-	19.93	20.00
CA [4A]-7A-12A (1)	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	-	-	-	-	-	-	19.99	20.00
CA [4A]-12A-13A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	-	19.96	20.00
CA [2A]-16A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	66984	2164.8	4x4 MIMO	-	-	-	-	-	-	19.95	20.00
CA [2A]-16A-66A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	-	-	-	-	-	-	19.97	20.00
CA [2A]-13A-66A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	19.99	20.00
CA [2A]-2A-12B	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2 MIMO	LTE B12	10	5107	738.7	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	19.97	20.00	
CA [2A]-4A-12B	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2 MIMO	LTE B12	10	5107	738.7	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	19.96	20.00	
CA [2A]-14A-12B	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2 MIMO	LTE B12	10	5107	738.7	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	19.98	20.00	
CA [2A]-12A-66C	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	LTE B66	20	66984	2164.8	2x2 MIMO	20.00	20.00	
CA [4A]-4A-12B	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2 MIMO	LTE B12	10	5107	738.7	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	19.95	20.00	

1.4.3 LTE Band 17 as PCC

Table 51
Reduced Output Powers – Ant 1

Combination	PCC Band	PCC										SCC 1				Power	
		PCC BW [MHz]	PCC [UL] Ch.	PCC [UL] Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC [DL] Ch.	PCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA [2A]-17A	LTE B17	10	23790	710	QPSK	1	25	5790	740	2x2 MIMO	LTE B2	10	900	1960	4x4 MIMO	19.67	19.70
CA [4A]-17A	LTE B17	10	23790	710	QPSK	1	25	5790	740	2x2 MIMO	LTE B4	10	2175	2132.5	4x4 MIMO	19.64	19.70

Table 52
Reduced Output Powers – Ant 3

Combination	PCC Band	PCC										SCC 1				Power	
		PCC BW [MHz]	PCC [UL] Ch.	PCC [UL] Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC [DL] Ch.	PCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA [2A]-17A	LTE B17	5	23755	706.5	16QAM	1	12	5755	736.5	2x2 MIMO	LTE B2	10	900	1960	4x4 MIMO	19.95	20.00
CA [4A]-17A	LTE B17	5	23755	706.5	16QAM	1	12	5755	736.5	2x2 MIMO	LTE B4	10	2175	2132.5	4x4 MIMO	19.93	20.00

1.4.4 LTE Band 13 as PCC

Table 53
Reduced Output Powers – Ant 1

Combination	PCC Band	PCC										SCC 1				SCC 2				SCC 3				Power				
		PCC BW [MHz]	PCC [UL] Ch.	PCC [UL] Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC [DL] Ch.	PCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)	
CA [2A]-2A-13A	LTE B13	10	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	-	21.25	21.30
CA [2A]-4A-13A	LTE B13	10	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	-	21.30	21.30
CA [2A]-4A-13A	LTE B13	10	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	-	21.30	21.30
CA [2A]-13A-66A	LTE B13	10	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	21.30	21.30
CA [2A]-13A-66A	LTE B13	10	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	21.25	21.30
CA [2A]-13A-66A	LTE B13	10	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	21.28	21.30
CA [4A]-4A-13A	LTE B13	10	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	-	21.27	21.30
CA [13A]-66A-66A	LTE B13	10	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	-	-	-	-	-	-	21.26	21.30
CA [13A]-66B	LTE B13	10	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B66	15	66786	2145	4x4 MIMO	LTE B66	5	66879	2154.3	4x4 MIMO	-	-	-	-	-	-	21.27	21.30
CA [13A]-66C	LTE B13	10	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	66984	2164.8	4x4 MIMO	-	-	-	-	-	-	21.28	21.30
CA [13A]-66A-66A	LTE B13	10	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B66	20	50665	5537.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	21.29	21.30
CA [2A]-13A-66B	LTE B13	10	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	15	66786	2145	2x2 MIMO	LTE B66	5	66879	2154.3	2x2 MIMO	21.30	21.30	
CA [2A]-13A-66C	LTE B13	10	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	LTE B66	20	66984	2164.8	2x2 MIMO	21.29	21.30	
CA [13A]-66A-66B	LTE B13	10	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	15	67168	2183.2	2x2 MIMO	LTE B66	15	67261	2192.5	2x2 MIMO	21.27	21.30	
CA [13A]-66A-66C	LTE B13	10	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67038	2170.2	2x2 MIMO	LTE B66	20	67236	2190	2x2 MIMO	21.26	21.30	
CA [13A]-66C-66A	LTE B13	10	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B66	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	21.28	21.30	

Table 54
Reduced Output Powers – Ant 3

Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC										SCC 1				SCC 2				SCC 3				Power	
						PCC UL RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)		
CA [2A]-2A-13A	LTE B13	10	23330	782	QPSK	1	49	5230	751	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	21.27	21.30			
CA [2A]-4A-13A	LTE B13	10	23330	782	QPSK	1	49	5230	751	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	21.28	21.30			
CA [2A]-4A-13A	LTE B13	10	23330	782	QPSK	1	49	5230	751	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	21.28	21.30			
CA [2A]-13A-46A	LTE B13	10	23330	782	QPSK	1	49	5230	751	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B4	20	50665	5537.5	2x2 MIMO	-	-	-	-	21.29	21.30			
CA [2A]-13A-66A	LTE B13	10	23330	782	QPSK	1	49	5230	751	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B6	20	66786	2145	2x2 MIMO	-	-	-	-	21.29	21.30			
CA [2A]-13A-66A	LTE B13	10	23330	782	QPSK	1	49	5230	751	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B6	20	66786	2145	4x4 MIMO	-	-	-	-	21.25	21.30			
CA [2A]-4A-13A	LTE B13	10	23330	782	QPSK	1	49	5230	751	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	21.21	21.30			
CA [13A]-66A-66A	LTE B13	10	23330	782	QPSK	1	49	5230	751	2x2 MIMO	LTE B6	20	66786	2145	4x4 MIMO	LTE B6	20	67236	2190	2x2 MIMO	-	-	-	-	21.28	21.30			
CA [13A]-66B	LTE B13	10	23330	782	QPSK	1	49	5230	751	2x2 MIMO	LTE B6	15	66786	2145	4x4 MIMO	LTE B6	5	66879	2154.3	4x4 MIMO	-	-	-	-	21.25	21.30			
CA [13A]-66C	LTE B13	10	23330	782	QPSK	1	49	5230	751	2x2 MIMO	LTE B6	20	66786	2145	4x4 MIMO	LTE B6	20	66984	2164.8	4x4 MIMO	-	-	-	-	21.26	21.30			
CA [13A]-46A-66A	LTE B13	10	23330	782	QPSK	1	49	5230	751	2x2 MIMO	LTE B6	20	50665	5537.5	2x2 MIMO	LTE B6	20	66786	2145	4x4 MIMO	-	-	-	-	21.27	21.30			
CA [2A]-13A-66B	LTE B13	10	23330	782	QPSK	1	49	5230	751	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B6	15	66786	2145	2x2 MIMO	LTE B6	5	66879	2154.3	2x2 MIMO	21.26	21.30		
CA [2A]-13A-66C	LTE B13	10	23330	782	QPSK	1	49	5230	751	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B6	20	66984	2164.8	2x2 MIMO	LTE B6	20	66984	2164.8	2x2 MIMO	21.28	21.30		
CA [13A]-66A-66B	LTE B13	10	23330	782	QPSK	1	49	5230	751	2x2 MIMO	LTE B6	20	66786	2145	4x4 MIMO	LTE B6	15	67168	2183.2	2x2 MIMO	LTE B6	15	67261	2192.5	2x2 MIMO	21.24	21.30		
CA [13A]-66A-66C	LTE B13	10	23330	782	QPSK	1	49	5230	751	2x2 MIMO	LTE B6	20	66786	2145	4x4 MIMO	LTE B6	20	67038	2170.2	2x2 MIMO	LTE B6	20	67236	2190	2x2 MIMO	21.27	21.30		
CA [13A]-46C-66A	LTE B13	10	23330	782	QPSK	1	49	5230	751	2x2 MIMO	LTE B6	20	50665	5537.5	2x2 MIMO	LTE B6	20	50467	5517.7	2x2 MIMO	LTE B6	20	66786	2145	4x4 MIMO	21.26	21.30		

1.4.5 LTE Band 14 as PCC

Table 55
Reduced Output Powers – Ant 1

Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC				DL Ant. Config.	SCC 1				DL Ant. Config.	SCC 2				DL Ant. Config.	SCC 3				LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
						PCC UL RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]		SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]		SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]		SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]		
CA [2A]-2A-14A	LTE B14	5	23330	793	16QAM	1	0	5330	763	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	21.23	21.28
CA 2A-14A-[30A]	LTE B14	5	23330	793	16QAM	1	0	5330	763	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	21.25	21.28
CA [2A]-14A-66A	LTE B14	5	23330	793	16QAM	1	0	5330	763	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B6	20	66786	2145	2x2 MIMO	-	-	-	-	21.27	21.28
CA 2A-14A-[66A]	LTE B14	5	23330	793	16QAM	1	0	5330	763	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B6	20	66786	2145	4x4 MIMO	-	-	-	-	21.26	21.28
CA [14A]-66A-66A	LTE B14	5	23330	793	16QAM	1	0	5330	763	2x2 MIMO	LTE B6	20	66786	2145	4x4 MIMO	LTE B6	20	67236	2190	2x2 MIMO	-	-	-	-	21.21	21.28
CA [14A]-[30A]-66A	LTE B14	5	23330	793	16QAM	1	0	5330	763	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	LTE B6	20	66786	2145	2x2 MIMO	-	-	-	-	21.24	21.28

Table 56
Reduced Output Powers – Ant 3

Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC				DL Ant. Config.	SCC 1				DL Ant. Config.	SCC 2				DL Ant. Config.	SCC 3				LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
						PCC UL RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]		SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]		SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]		SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]		
CA [2A]-2A-14A	LTE B14	10	23330	793	QPSK	1	0	5330	763	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	21.27	21.30
CA 2A-14A-[30A]	LTE B14	10	23330	793	QPSK	1	0	5330	763	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	21.29	21.30
CA [2A]-14A-66A	LTE B14	10	23330	793	QPSK	1	0	5330	763	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B6	20	66786	2145	2x2 MIMO	-	-	-	-	21.28	21.30
CA 2A-14A-[66A]	LTE B14	10	23330	793	QPSK	1	0	5330	763	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B6	20	66786	2145	4x4 MIMO	-	-	-	-	21.30	21.30
CA [14A]-66A-66A	LTE B14	10	23330	793	QPSK	1	0	5330	763	2x2 MIMO	LTE B6	20	66786	2145	4x4 MIMO	LTE B6	20	67236	2190	2x2 MIMO	-	-	-	-	21.23	21.30
CA [14A]-[30A]-66A	LTE B14	10	23330	793	QPSK	1	0	5330	763	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	LTE B6	20	66786	2145	2x2 MIMO	-	-	-	-	21.29	21.30

1.4.6 LTE Band 5 as PCC

Table 57
Reduced Output Powers – Ant 1

Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC				SCC 1				SCC 2				SCC 3				LTE Tx Power with DL CA (dBm)	LTE Single Carrier Tx Power (dBm)				
						PCC UL RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band			SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.
CA 5A-[7A]	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	-	-	-	-	-	-	-	-	-	20.28	20.30	
CA 5A-[25A]	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B25	20	8365	1962.5	4x4 MIMO	-	-	-	-	-	-	-	-	-	20.24	20.30	
CA 5A-[4A]	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B4	20	40620	2593	4x4 MIMO	-	-	-	-	-	-	-	-	-	20.23	20.30	
CA [2A]-2A-5A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	20.23	20.30	
CA [2C]-5A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	702	1940.2	4x4 MIMO	-	-	-	-	20.26	20.30	
CA [2A]-4A-5A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	20.29	20.30	
CA 2A-[4A]-5A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	20.25	20.30	
CA 2A-5A-[30A]	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	20.26	20.30	
CA [2A]-5A-66A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B6	20	66786	2145	2x2 MIMO	-	-	-	-	20.27	20.30	
CA 2A-5A-[66A]	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B6	20	66786	2145	4x4 MIMO	-	-	-	-	20.27	20.30	
CA [4A]-4A-5A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	20.30	20.30	
CA 4A-5A-[30A]	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	20.29	20.30	
CA 5A-[66B]	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B6	15	66786	2145	4x4 MIMO	LTE B6	15	66879	2154.3	4x4 MIMO	-	-	-	-	20.30	20.30	
CA 5A-[66A]	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B6	20	66786	2145	4x4 MIMO	LTE B6	20	66898	2164.8	4x4 MIMO	-	-	-	-	20.26	20.30	
CA 5A-[66A]-66A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B6	20	66786	2145	4x4 MIMO	LTE B6	20	67215	2169	2x2 MIMO	-	-	-	-	20.26	20.30	
CA 5A-[30A]-66A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	LTE B6	20	66786	2145	2x2 MIMO	-	-	-	-	20.27	20.30	
CA [2A]-4A-5B	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	20.25	20.30
CA 2A-[4A]-5B	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	20.30	20.30
CA 2A-5B-[30A]	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	20.26	20.30
CA [2A]-5A-66B	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B6	15	66786	2145	2x2 MIMO	LTE B6	15	66879	2154.3	2x2 MIMO	20.28	20.30
CA [2A]-5A-66C	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B6	20	66786	2145	2x2 MIMO	LTE B6	20	66898	2164.8	2x2 MIMO	20.29	20.30
CA [2A]-5B-66A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B6	20	66786	2145	2x2 MIMO	20.28	20.30
CA 2A-5B-[66A]	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B6	20	66786	2145	2x2 MIMO	20.29	20.30
CA 2A-5B-[66B]	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B2	20	2375	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	20.30	20.30
CA 5B-[66A]-66A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B6	20	66786	2145	4x4 MIMO	LTE B6	20	67326	2190	2x2 MIMO	20.29	20.30
CA 5A-[66A]-66B	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B6	20	66786	2145	4x4 MIMO	LTE B6	5	67618	2182.3	2x2 MIMO	LTE B6	15	67812	2199.5	2x2 MIMO	20.30	20.30
CA 5A-[66A]-66C	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B6	20	66786	2145	4x4 MIMO	LTE B6	20	67018	2191.2	2x2 MIMO	LTE B6	20	67315	2190	2x2 MIMO	20.30	20.30
CA 5B-[30A]-66A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	LTE B6	20	66786	2145	2x2 MIMO	20.29	20.30

Table 58
Reduced Output Powers – Ant 3

Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC										SCC 1					SCC 2					SCC 3					Power	
				Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)				
CA 5A-[7A]	LTE B5	3	20525	836.5	64QAM	1	7	2525	881.5	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	-	-	-	-	-	-	-	-	-	21.34	21.39				
CA 5A-[25A]	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	2x2 MIMO	LTE B25	20	8365	1962.5	4x4 MIMO	-	-	-	-	-	-	-	-	-	21.39	21.38				
CA 5A-[43A]	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	2x2 MIMO	LTE B43	20	40620	2593	4x4 MIMO	-	-	-	-	-	-	-	-	-	21.37	21.38				
CA [2A]-2A-5A	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	21.33	21.38			
CA [2C]-5A	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	702	1940.2	4x4 MIMO	-	-	-	-	-	21.34	21.38			
CA [2A]-4A-5A	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	21.35	21.38			
CA 2A-[4A]-5A	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	21.32	21.38			
CA 2A-5A-[30A]	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	21.37	21.38			
CA [2A]-5A-66A	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	21.33	21.38			
CA 2A-5A-[66A]	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	21.32	21.38			
CA [4A]-4A-5A	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	21.36	21.38			
CA 4A-5A-[30A]	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	21.38	21.38			
CA 5A-[66A]	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	2x2 MIMO	LTE B66	15	66786	2145	4x4 MIMO	LTE B66	5	66879	2154.3	4x4 MIMO	-	-	-	-	-	21.37	21.38			
CA 5A-[66C]	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	66984	2164.8	4x4 MIMO	-	-	-	-	-	21.35	21.38			
CA 5A-[66A]-66A	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	-	-	-	-	-	21.31	21.38			
CA 5A-[30A]-66A	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	21.37	21.38			
CA [2A]-4A-5B	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	21.36	21.38			
CA [2A]-4A-5B	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	21.35	21.38			
CA 2A-5B-[30A]	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	21.31	21.38			
CA [2A]-5A-66B	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	15	66786	2145	2x2 MIMO	LTE B66	5	66879	2154.3	2x2 MIMO	21.35	21.38			
CA [2A]-5A-66C	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	LTE B66	20	66984	2164.8	2x2 MIMO	21.35	21.38			
CA [2A]-5B-66A	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	21.31	21.38			
CA 2A-5B-[66A]	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	21.32	21.38			
CA [4A]-4A-5B	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	21.38	21.38			
CA 5B-[66A]-66A	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	21.39	21.38			
CA 5A-[66A]-66B	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	5	67168	2183.2	2x2 MIMO	LTE B66	15	67261	2192.5	2x2 MIMO	21.38	21.38			
CA 5A-[66A]-66C	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67038	2170.2	2x2 MIMO	LTE B66	20	67236	2190	2x2 MIMO	21.34	21.38			
CA 5B-[30A]-66A	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	21.36	21.38			

1.4.7 LTE Band 26 as PCC

Table 59
Reduced Output Powers – Ant 1

	PCC										SCC 1				SCC 2				Power				
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx Power with DL CA Enabled (dbm)	LTE Single Carrier Tx Power (dbm)	
CA [25A]-26A	LTE B26	10	26740	819	QPSK	1	25	8740	864	2x2 MIMO	LTE B25	20	8365	1962.5	4x4 MIMO	-	-	-	-	-	-	20.27	20.30
CA [25A]-25A-26A	LTE B26	5	26715	816.5	16QAM	1	24	8715	861.5	2x2 MIMO	LTE B25	20	8365	1962.5	4x4 MIMO	LTE B25	20	8590	1985	2x2 MIMO	20.27	20.28	

Table 60
Reduced Output Powers – Ant 3

	PCC										SCC 1				SCC 2				Power				
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx Power with DL CA Enabled (dbm)	LTE Single Carrier Tx Power (dbm)	
CA [25A]-26A	LTE B26	10	26740	819	QPSK	1	25	8740	864	2x2 MIMO	LTE B25	20	8365	1962.5	4x4 MIMO	-	-	-	-	-	-	21.37	21.40
CA [25A]-25A-26A	LTE B26	5	26715	816.5	64QAM	1	24	8715	861.5	2x2 MIMO	LTE B25	20	8365	1962.5	4x4 MIMO	LTE B25	20	8590	1985	2x2 MIMO	-	21.38	21.39

FCC ID: BCGA1934	 PCTEST ENGINEERING LABORATORY, INC.	SAR EVALUATION REPORT	Reviewed by: Quality Manager
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1.4.8 LTE Band 4 as PCC

Table 61
Reduced Output Powers – Ant 2A

SSC1																							SSC2					SSC3					Power	
Combination	PCC Band	PCC BW [MHz]	PCC [UL] Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL RB	PCC UL RB Offset	PCC [DL] Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SSC Band	SSC BW [MHz]	SSC [DL] Ch.	SSC (DL) Freq. [MHz]	DL Ant. Config.	SSC Band	SSC BW [MHz]	SSC [DL] Ch.	SSC (DL) Freq. [MHz]	DL Ant. Config.	SSC Band	SSC BW [MHz]	SSC [DL] Ch.	SSC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)							
CA [2A]-4A	LTE B4	20	20500	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO											14.69	14.70							
CA [2A]-4A	LTE B4	20	20500	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO											14.60	14.70							
CA [4A]-12A (1)	LTE B4	20	20500	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO											14.60	14.70							
CA [4A]-12A (1)	LTE B4	20	20500	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO											14.64	14.70							
CA [4A]-17A	LTE B4	10	20000	1715	64QAM	1	49	2000	2115	4x4 MIMO	LTE B17	10	5790	740	2x2 MIMO											14.46	14.68							
CA [4A]-29A	LTE B4	10	20000	1715	64QAM	1	49	2000	2115	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO											14.58	14.68							
CA [4A]-46A	LTE B4	20	20500	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO											14.63	14.70							
CA [2A]-2A-4A	LTE B4	20	20500	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO						14.66	14.70							
CA [2A]-4A-4A	LTE B4	20	20500	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B2	20	2300	2145	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO						14.67	14.70							
CA [2A]-4A-12A	LTE B4	20	20500	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO						14.68	14.70							
CA [2A]-4A-5A	LTE B4	20	20500	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO						14.70	14.70							
CA [2A]-4A-5A	LTE B4	20	20500	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO						14.70	14.70							
CA [2A]-4A-12A	LTE B4	20	20500	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO						14.62	14.70							
CA [2A]-4A-13A	LTE B4	20	20500	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5095	737.5	2x2 MIMO						14.68	14.70							
CA [2A]-4A-13A	LTE B4	20	20500	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO						14.65	14.70							
CA [2A]-4A-13A	LTE B4	20	20500	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO						14.66	14.70							
CA [2A]-4A-29A	LTE B4	20	20500	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO						14.70	14.70							
CA [2A]-4A-29A	LTE B4	20	20500	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO						14.68	14.70							
CA [2A]-4A-30A	LTE B4	20	20500	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO						14.68	14.70							
CA [2A]-4A-30A	LTE B4	20	20500	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO						14.69	14.70							
CA [2A]-4A-30A	LTE B4	20	20500	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO						14.66	14.70							
CA [4A]-4A-5A	LTE B4	20	20500	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO						14.70	14.70							
CA [4A]-4A-5A	LTE B4	20	20500	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO						14.67	14.70							
CA [4A]-4A-7A (1)	LTE B4	20	20500	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B7	20	3100	2655	2x2 MIMO						14.65	14.70							
CA [4A]-4A-7A (1)	LTE B4	20	20500	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B7	20	3100	2655	2x2 MIMO						14.67	14.70							
CA [4A]-7A-7A	LTE B4	20	20500	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	LTE B7	20	2850	2680	2x2 MIMO						14.54	14.70							
CA [4A]-4A-12A	LTE B4	20	20500	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO						14.68	14.70							
CA [4A]-4A-12A	LTE B4	20	20500	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO						14.69	14.70							
CA [4A]-4A-13A	LTE B4	20	20500	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO						14.70	14.70							
CA [4A]-4A-13A	LTE B4	20	20500	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO						14.63	14.70							
CA [4A]-4A-29A	LTE B4	20	20500	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO						14.69	14.70							
CA [4A]-4A-29A	LTE B4	20	20500	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO						14.69	14.70							
CA [4A]-4A-30A	LTE B4	20	20500	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO						14.68	14.70							
CA [4A]-4A-30A	LTE B4	20	20500	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO						14.70	14.70							
CA [4A]-46A	LTE B4	20	20500	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO						14.69	14.70							
CA [4A]-5A-10A	LTE B4	20	20500	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO						14.67	14.70							
CA [4A]-7A-12A (1)	LTE B4	20	20500	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO						14.56	14.70							
CA [4A]-12A-30A	LTE B4	20	20500	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO						14.70	14.70							
CA [4A]-29A-30A	LTE B4	20	20500	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO						14.70	14.70							
CA [2A]-4A-5B	LTE B4	20	20500	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	14.68	14.70							
CA [2A]-4A-12B	LTE B4	20	20500	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	14.66	14.70							
CA [2A]-4A-12B	LTE B4	20	20500	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	14.60	14.70							
CA [2A]-4A-12B	LTE B4	20	20500	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	5	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	14.70	14.70							
CA [4A]-4A-5B	LTE B4	20	20500	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	14.70	14.70							
CA [4A]-4A-5B	LTE B4	20	20500	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	14.69	14.70							
CA [4A]-4A-12B	LTE B4	20	20500	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B12	5	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	14.69	14.70							
CA [4A]-4A-12B	LTE B4	20	20500	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B12	5	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	14.67	14.70							
CA [4A]-4A-12B	LTE B4	20	20500	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B4	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	LTE B46	20	50863	5557.3	2x2 MIMO	14.65	14.70							

Table 62
Reduced Output Powers – Ant 2B

[illegible]

FCC ID: BCGA1934	 PCTEST TECHNOLOGICAL LABORATORY, INC.	SAR EVALUATION REPORT	Reviewed by: Quality Manager
Test Dates: 1C1806220015-01.BCG	DUT Type: Tablet Device	APPENDIX H: Page 21 of 37	

Reduced Output Powers – Ant 4A

SCC 1																				SCC 2										SCC 3										Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (UL) Ch.	SCC (UL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (UL) Ch.	SCC (UL) Freq. [MHz]	DL Ant. Config.	LTE Tx Power with Tx Cch (dBm)	LTE Single Carrier Tx Power (dBm)									
CA [2A]-4A	LTE B4	20	205050	1720	QPSK	1	99	20500	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.98	15.00								
CA [2A]-4A-1	LTE B4	20	205050	1720	QPSK	1	99	20500	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.93	15.00							
CA [5A]-4A-12A (1)	LTE B4	20	205050	1720	QPSK	1	99	20500	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.98	15.00							
CA [4A]-12A (2)	LTE B4	20	205050	1720	QPSK	1	99	20500	2120	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.90	15.00							
CA [4A]-17A	LTE B4	10	203000	1745	64QAM	1	49	23000	2145	4x4 MIMO	LTE B17	10	5790	740	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.98	14.98							
CA [4A]-29A	LTE B4	10	203000	1745	64QAM	1	49	23000	2145	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.00	14.98							
CA [4A]-60A	LTE B4	20	205050	1720	QPSK	1	99	20500	2120	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.92	15.00							
CA [2A]-2A-4A	LTE B4	20	205050	1720	QPSK	1	99	20500	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.94	15.00						
CA [2A]-4A-1A	LTE B4	20	205050	1720	QPSK	1	99	20500	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.94	15.00						
CA [2A]-4A-5A	LTE B4	20	205050	1720	QPSK	1	99	20500	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.96	15.00						
CA [2A]-4A-5A	LTE B4	20	205050	1720	QPSK	1	99	20500	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.98	15.00						
CA [2A]-4A-12A	LTE B4	20	205050	1720	QPSK	1	99	20500	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.96	15.00						
CA [2A]-4A-12A	LTE B4	20	205050	1720	QPSK	1	99	20500	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.96	15.00						
CA [2A]-4A-13A	LTE B4	20	205050	1720	QPSK	1	99	20500	2120	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B3	10	5230	751	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.96	15.00						
CA [2A]-4A-13A	LTE B4	20	205050	1720	QPSK	1	99	20500	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.93	15.00						
CA [2A]-4A-29A	LTE B4	20	205050	1720	QPSK	1	99	20500	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.97	15.00						
CA [2A]-4A-29A	LTE B4	20	205050	1720	QPSK	1	99	20500	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.97	15.00						
CA [2A]-4A-30A	LTE B4	20	205050	1720	QPSK	1	99	20500	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.95	15.00						
CA [2A]-4A-30A	LTE B4	20	205050	1720	QPSK	1	99	20500	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.94	15.00						
CA [2A]-4A-30A	LTE B4	20	205050	1720	QPSK	1	99	20500	2120	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.95	15.00						
CA [4A]-4A-5A	LTE B4	20	205050	1720	QPSK	1	99	20500	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.94	15.00						
CA [4A]-4A-5A	LTE B4	20	205050	1720	QPSK	1	99	20500	2120	2x2 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.99	15.00						
CA [4A]-4A-5A	LTE B4	20	205050	1720	QPSK	1	99	20500	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.99	15.00						
CA [4A]-4A-7A (1)	LTE B4	20	205050	1720	QPSK	1	99	20500	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B7	20	3100	2655	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.90	15.00						
CA [4A]-4A-7A (1)	LTE B4	20	205050	1720	QPSK	1	99	20500	2120	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B7	20	3100	2655	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.90	15.00						
CA [4A]-7A-13A	LTE B4	20	205050	1720	QPSK	1	99	20500	2120	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	LTE B7	20	2850	2650	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.95	15.00						
CA [4A]-4A-12A	LTE B4	20	205050	1720	QPSK	1	99	20500	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.95	15.00						
CA [4A]-4A-12A	LTE B4	20	205050	1720	QPSK	1	99	20500	2120	2x2 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.96	15.00						
CA [4A]-4A-13A	LTE B4	20	205050	1720	QPSK	1	99	20500	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.95	15.00						
CA [4A]-4A-13A	LTE B4	20	205050	1720	QPSK	1	99	20500	2120	2x2 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.95	15.00						
CA [4A]-4A-29A	LTE B4	20	205050	1720	QPSK	1	99	20500	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.97	15.00						
CA [4A]-4A-29A	LTE B4	20	205050	1720	QPSK	1	99	20500	2120	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.98	15.00						
CA [4A]-4A-30A	LTE B4	20	205050	1720	QPSK	1	99	20500	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.95	15.00						
CA [4A]-4A-30A	LTE B4	20	205050	1720	QPSK	1	99	20500	2120	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.99	15.00						
CA [4A]-4A-60A	LTE B4	20	205050	1720	QPSK	1	99	20500	2120	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.94	15.00						
CA [4A]-6A-10A	LTE B4	20	205050	1720	QPSK	1	99	20500	2120	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.95	15.00						
CA [4A]-7A-12A (1)	LTE B4	20	205050	1720	QPSK	1	99	20500	2120	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.90	15.00						
CA [4A]-12A-10A	LTE B4	20	205050	1720	QPSK	1	99	20500	2120	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.98	15.00						
CA [4A]-29A-10A	LTE B4	20	205050	1720	QPSK	1	99	20500	2120	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.93	15.00						
CA [2A]-4A-5B	LTE B4	20	205050	1720	QPSK	1	99	20500	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	-	-	-	-	-	-	-	-	14.96	15.00						
CA [2A]-4A-5B	LTE B4	20	205050	1720	QPSK	1	99	20500	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	-	-	-	-	-	-	-	-	14.96	15.00						
CA [2A]-4A-12B	LTE B4	20	205050	1720	QPSK	1	99	20500	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	-	-	-	-	-	-	-	-	14.96	15.00						
CA [2A]-4A-12B	LTE B4	20	205050	1720	QPSK	1	99	20500	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	5	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	-	-	-	-	-	-	-	-	14.93	15.00						
CA [4A]-4A-5B	LTE B4	20	205050	1720	QPSK	1	99	20500	2120	2x2 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO																					

Reduced Output Powers – Ant 4B

														SSC 1										SSC 2										SSC 3										Power	
Combination	PCC Band	PCC BW [MHz]	PCC [UL] Ch.	PCC [F, Freq. (MHz)]	Mod.	PCC UL RB	PCC UL RB Offset	PCC [DL] Ch.	PCC [DL] Freq. (MHz)	DL Ant. Config.	SSC Band	SSC BW [MHz]	SSC [DL] Ch.	SSC [DL] Freq. (MHz)	DL Ant. Config.	SSC Band	SSC BW [MHz]	SSC [DL] Ch.	SSC [DL] Freq. (MHz)	DL Ant. Config.	SSC Band	SSC BW [MHz]	SSC [DL] Ch.	SSC [DL] Freq. (MHz)	DL Ant. Config.	SSC Band	SSC BW [MHz]	SSC [DL] Ch.	SSC [DL] Freq. (MHz)	DL Ant. Config.	LTE Tx Power With DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)													
CA [2A]-4A	LTE B4	20	20500	1720	QPSK	1	0	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.53	14.50												
CA [4A]-4A(1)	LTE B4	20	20500	1720	QPSK	1	0	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.53	14.50												
CA [4A]-4A(2)	LTE B4	20	20500	1720	QPSK	1	0	2050	2120	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.51	14.50												
CA [4A]-12A (1)	LTE B4	20	20500	1720	QPSK	1	0	2050	2120	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.51	14.50												
CA [4A]-29A	LTE B4	5	20300	1745	15QAM	1	0	2300	2145	4x4 MIMO	LTE B17	10	5790	740	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.51	14.50												
CA [4A]-29A	LTE B4	5	20300	1745	15QAM	1	0	2300	2145	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.52	14.50												
CA [4A]-46A	LTE B4	20	20500	1720	QPSK	1	0	2050	2120	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.48	14.50												
CA [2A]-2A-4A	LTE B4	20	20500	1720	QPSK	1	0	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.57	14.50											
CA [2A]-4A-4A	LTE B4	20	20500	1720	QPSK	1	0	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.55	14.50											
CA [2A]-4A(1)-4A	LTE B4	20	20500	1720	QPSK	1	0	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.53	14.50											
CA [2A]-4A-5A	LTE B4	20	20500	1720	QPSK	1	0	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.53	14.50											
CA [2A]-4A(1)-5A	LTE B4	20	20500	1720	QPSK	1	0	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.53	14.50											
CA [2A]-4A-12A	LTE B4	20	20500	1720	QPSK	1	0	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.52	14.50											
CA [2A]-4A(1)-12A	LTE B4	20	20500	1720	QPSK	1	0	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.52	14.50											
CA [2A]-4A-13A	LTE B4	20	20500	1720	QPSK	1	0	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.55	14.50											
CA [2A]-4A(1)-13A	LTE B4	20	20500	1720	QPSK	1	0	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.54	14.50											
CA [2A]-4A-29A	LTE B4	20	20500	1720	QPSK	1	0	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.54	14.50											
CA [2A]-4A(1)-29A	LTE B4	20	20500	1720	QPSK	1	0	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.53	14.50											
CA [2A]-4A-30A	LTE B4	20	20500	1720	QPSK	1	0	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.52	14.50											
CA [2A]-4A(1)-30A	LTE B4	20	20500	1720	QPSK	1	0	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.55	14.50											
CA [4A]-4A-5A	LTE B4	20	20500	1720	QPSK	1	0	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.54	14.50											
CA [4A]-4A-5A	LTE B4	20	20500	1720	QPSK	1	0	2050	2120	2x2 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.54	14.50											
CA [4A]-4A-5A	LTE B4	20	20500	1720	QPSK	1	0	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.54	14.50											
CA [4A]-4A-7A(1)	LTE B4	20	20500	1720	QPSK	1	0	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B7	20	3100	2655	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.44	14.50											
CA [4A]-4A-7A(1)	LTE B4	20	20500	1720	QPSK	1	0	2050	2120	2x2 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B7	20	3100	2655	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.44	14.50											
CA [4A]-7A(1)-7A	LTE B4	20	20500	1720	QPSK	1	0	2050	2120	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	LTE B7	20	2850	2630	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.43	14.50											
CA [4A]-4A-12A	LTE B4	20	20500	1720	QPSK	1	0	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.53	14.50											
CA [4A]-4A(1)-12A	LTE B4	20	20500	1720	QPSK	1	0	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.53	14.50											
CA [4A]-4A-13A	LTE B4	20	20500	1720	QPSK	1	0	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.55	14.50											
CA [4A]-4A(1)-13A	LTE B4	20	20500	1720	QPSK	1	0	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.54	14.50											
CA [4A]-4A-29A	LTE B4	20	20500	1720	QPSK	1	0	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.54	14.50											
CA [4A]-4A(1)-29A	LTE B4	20	20500	1720	QPSK	1	0	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.54	14.50											
CA [4A]-4A-30A	LTE B4	20	20500	1720	QPSK	1	0	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.55	14.50											
CA [4A]-4A(1)-30A	LTE B4	20	20500	1720	QPSK	1	0	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.55	14.50											
CA [4A]-4A-30A	LTE B4	20	20500	1720	QPSK	1	0	2050	2120	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.56	14.50											
CA [4A]-46C	LTE B4	20	20500	1720	QPSK	1	0	2050	2120	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.47	14.50											
CA 4A-5A-10A	LTE B4	20	20500	1720	QPSK	1	0	2050	2120	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.58	14.50											
CA 4A-7A(1)-12A (1)	LTE B4	20	20500	1720	QPSK	1	0	2050	2120	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.56	14.50											
CA 4A-12A-13A	LTE B4	20	20500	1720	QPSK	1	0	2050	2120	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.56	14.50											
CA 4A-29A-30A	LTE B4	20	20500	1720	QPSK	1	0	2050	2120	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.60	14.50											
CA [2A]-4A-5B	LTE B4	20	20500	1720	QPSK	1	0	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	-	-	-	-	-	-	-	14.59	14.50											
CA 2A-4A(1)-5B	LTE B4	20	20500	1720	QPSK	1	0	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	-	-	-	-	-	-	-	14.48	14.50											
CA 2A-4A-12B	LTE B4	20	20500	1720	QPSK	1	0	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	5	5095	737.5	2x2 MIMO	LTE B12	5	5093	732.7	2x2 MIMO	-	-	-	-	-	-	-	14.51	14.50											
CA 2A-4A(1)-12B	LTE B4	20	20500	1720	QPSK	1	0	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	5	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	-	-	-	-	-	-	-	14.51	14.50											
CA [4A]-4A-5B	LTE B4	20	20500	1720	QPSK	1	0	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO																				

1.4.9 LTE Band 66 as PCC

Table 65
Reduced Output Powers – Ant 2A

Combination	PCC Band	PCC BW [MHz]	PCC [UL] Ch.	PCC [UL] Freq. [MHz]	Mod.	PCC UL RB	PCC RB Offset	PCC [UL] Ch.	PCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC 1		SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC 2		SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC 3		SCC [DL] Freq. [MHz]	DL Ant. Config.	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)			
													SCC [UL] Ch.	SCC [UL] Freq. [MHz]					SCC [UL] Ch.	SCC [UL] Freq. [MHz]					SCC [UL] Ch.	SCC [UL] Freq. [MHz]							
CA 12A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.68	14.70		
CA 2A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.68	14.70	
CA 7A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.61	14.70	
CA 12A-66A (1)	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B7	20	3100	2655	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.65	14.70	
CA 12A-66A (2)	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.67	14.70	
CA 12A-66A (2)	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.67	14.70	
CA 12A-2A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.66	14.70
CA 12C-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	702	1940.2	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.67	14.70
CA 2C-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B2	20	702	1940.2	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.70	14.70
CA 2A-66B	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B6	5	66604	2126.8	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.69	14.70
CA 2A-66B	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B6	20	66734	2139.8	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.65	14.70
CA 2A-66A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B6	20	67236	2190	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.68	14.70
CA 2A-66A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B6	20	67236	2190	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.69	14.70
CA 12A-5A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.67	14.70
CA 12A-5A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.66	14.70
CA 12A-12A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.70	14.70
CA 2A-12A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.67	14.70
CA 12A-13A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.69	14.70
CA 2A-13A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.67	14.70
CA 12A-14A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.70	14.70
CA 2A-14A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.66	14.70
CA 12A-20A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B20	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.70	14.70
CA 2A-20A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B20	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.70	14.70
CA 12A-30A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.69	14.70
CA 2A-30A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.64	14.70
CA 3A-30A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B6	20	900	1960	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.68	14.70
CA 12A-46A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.67	14.70
CA 2A-46A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.63	14.70
CA 5A-66B	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B6	5	66604	2126.8	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.60	14.70
CA 5A-66C	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B6	20	66734	2139.8	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.66	14.70
CA 5A-66A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B6	20	67236	2190	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.68	14.70
CA 5A-66A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B6	20	67236	2190	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.70	14.70
CA 12A-66C	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B6	20	66734	2139.8	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.64	14.70
CA 12A-66A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B6	20	67236	2190	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.69	14.70
CA 12A-66A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B6	20	67236	2190	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.70	14.70
CA 12A-13A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.70	14.70
CA 13A-66A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B6	20	67236	2190	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.69	14.70
CA 13A-66B	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B6	5	66604	2126.8	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.68	14.70
CA 13A-66C	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B6	20	66734	2139.8	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.68	14.70
CA 13A-66A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.65	14

Reduced Output Powers – Ant 2B

Combination		PCC Band	PCC BW [MHz]	PCC [UL Ch]	PCC [UL Freq. [MHz]	Mod.	PCC UL RB	PCC Off Offset	PCC [UL Ch]	PCC [DL Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL Ch]	SCC [DL Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL Ch]	SCC [DL Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL Ch]	SCC [DL Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL Ch]	SCC [DL Freq. [MHz]	DL Ant. Config.	LTE Tx Power with CA Enab. (dBm)	LTE Single Carrier Tx. (dBm)	
CA [2A]-66A	LT B66	20	132072	1720	15G4M	1	99	66536	2120	2x2 MIMO	LT B2	20	900	1960	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.25	14.30	
CA [2A]-66A	LT B66	20	132072	1720	15G4M	1	99	66536	2120	4x4 MIMO	LT B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.30	14.30	
CA [2A]-66A	LT B66	20	132072	1720	15G4M	1	99	66536	2120	2x2 MIMO	LT B2	20	900	1960	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.25	14.30	
CA [7A]-66A	LT B66	20	132072	1720	15G4M	1	99	66536	2120	4x4 MIMO	LT B7	20	3100	2655	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.27	14.30	
CA [12A]-66A (1)	LT B66	20	132072	1720	15G4M	1	99	66536	2120	4x4 MIMO	LT B12	10	5095	7375	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.24	14.30	
CA [12A]-66A (2)	LT B66	20	132072	1720	15G4M	1	99	66536	2120	4x4 MIMO	LT B12	10	5095	7375	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.24	14.30	
CA [2A]-26A	LT B66	20	132072	1720	15G4M	1	99	66536	2120	2x2 MIMO	LT B2	20	900	1960	4x4 MIMO	LT B2	20	700	1940	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.26	14.30
CA [2A]-66A	LT B66	20	132072	1720	15G4M	1	99	66536	2120	2x2 MIMO	LT B2	20	900	1960	2x2 MIMO	LT B2	20	700	1940	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.27	14.30
CA [2C]-66A	LT B66	20	132072	1720	15G4M	1	99	66536	2120	4x4 MIMO	LT B2	20	900	1960	2x2 MIMO	LT B2	20	700	1940	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.27	14.30
CA [2A]-66B	LT B66	15	132047	1717.5	15G4M	1	74	66511	2117.5	4x4 MIMO	LT B66	5	66604	2126.8	4x4 MIMO	LT B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	13.94	14.30
CA [2A]-66C1	LT B66	20	132072	1720	15G4M	1	99	66536	2120	4x4 MIMO	LT B66	20	66734	2139.8	4x4 MIMO	LT B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.25	14.30
CA [2A]-66A-66A	LT B66	20	132072	1720	15G4M	1	99	66536	2120	4x4 MIMO	LT B2	20	67236	2139.8	4x4 MIMO	LT B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.27	14.30
CA [12A]-5A-66A	LT B66	20	132072	1720	15G4M	1	99	66536	2120	2x2 MIMO	LT B2	20	900	1960	4x4 MIMO	LT B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.27	14.30
CA [2A]-5A-66A	LT B66	20	132072	1720	15G4M	1	99	66536	2120	2x2 MIMO	LT B2	20	900	1960	2x2 MIMO	LT B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.30	14.30
CA [2A]-66A-66A	LT B66	20	132072	1720	15G4M	1	99	66536	2120	2x2 MIMO	LT B66	20	67236	2139.8	2x2 MIMO	LT B66	20	67236	2139.8	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.26	14.30
CA [12A]-14A-66A	LT B66	20	132072	1720	15G4M	1	99	66536	2120	2x2 MIMO	LT B2	20	900	1960	2x2 MIMO	LT B12	10	5330	763	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.28	14.30
CA [2A]-14A-66A	LT B66	20	132072	1720	15G4M	1	99	66536	2120	2x2 MIMO	LT B2	20	900	1960	2x2 MIMO	LT B12	10	5330	763	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.28	14.30
CA [2A]-14A-66A	LT B66	20	132072	1720	15G4M	1	99	66536	2120	2x2 MIMO	LT B2	20	900	1960	2x2 MIMO	LT B12	10	5330	763	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.28	14.30
CA [2A]-29A-66A	LT B66	20	132072	1720	15G4M	1	99	66536	2120	2x2 MIMO	LT B2	20	900	1960	4x4 MIMO	LT B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.27	14.30
CA [2A]-29A-66A	LT B66	20	132072	1720	15G4M	1	99	66536	2120	4x4 MIMO	LT B2	20	900	1960	2x2 MIMO	LT B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.26	14.30
CA [2A]-30A-66A	LT B66	20	132072	1720	15G4M	1	99	66536	2120	2x2 MIMO	LT B2	20	900	1960	2x2 MIMO	LT B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.27	14.30
CA [2A]-30A-66A	LT B66	20	132072	1720	15G4M	1	99	66536	2120	2x2 MIMO	LT B2	20	900	1960	2x2 MIMO	LT B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.26	14.30
CA [2A]-30A-66A	LT B66	20	132072	1720	15G4M	1	99	66536	2120	4x4 MIMO	LT B2	20	900	1960	2x2 MIMO	LT B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.27	14.30
CA [2A]-48A-66A	LT B66	20	132072	1720	15G4M	1	99	66536	2120	2x2 MIMO	LT B2	20	900	1960	4x4 MIMO	LT B48	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.25	14.30
CA [2A]-66A-66A	LT B66	20	132072	1720	15G4M	1	99	66536	2120	2x2 MIMO	LT B66	20	67236	2139.8	2x2 MIMO	LT B66	20	67236	2139.8	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.25	14.30
CA [5A]-66B	LT B66	15	132047	1717.5	15G4M	1	74	66511	2117.5	4x4 MIMO	LT B66	5	66604	2126.8	4x4 MIMO	LT B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	13.98	14.30
CA [5A]-66C	LT B66	20	132072	1720	15G4M	1	99	66536	2120	4x4 MIMO	LT B66	20	66734	2139.8	4x4 MIMO	LT B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.28	14.30
CA [5A]-66A-66A	LT B66	20	132072	1720	15G4M	1	99	66536	2120	4x4 MIMO	LT B66	20	67236	2139.8	2x2 MIMO	LT B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.26	14.30
CA [5A]-66A-66A	LT B66	20	132072	1720	15G4M	1	99	66536	2120	2x2 MIMO	LT B66	20	67236	2139.8	2x2 MIMO	LT B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.26	14.30
CA [5A]-30A-66A	LT B66	20	132072	1720	15G4M	1	99	66536	2120	2x2 MIMO	LT B5	10	2525	881.5	2x2 MIMO	LT B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.26	14.30
CA [5A]-66A	LT B66	20	132072	1720	15G4M	1	99	66536	2120	4x4 MIMO	LT B66	20	67234	2139.8	4x4 MIMO	LT B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.25	14.30
CA [12A]-66A-66A	LT B66	20	132072	1720	15G4M	1	99	66536	2120	4x4 MIMO	LT B66	20	67236	2139.8	2x2 MIMO	LT B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.25	14.30
CA [12A]-66A-66A	LT B66	20	132072	1720	15G4M	1	99	66536	2120	2x2 MIMO	LT B66	20	67236	2139.8	2x2 MIMO	LT B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.25	14.30
CA [12A]-66A-66A	LT B66	20	132072	1720	15G4M	1	99	66536	2120	2x2 MIMO	LT B66	20	67236	2139.8	2x2 MIMO	LT B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.25	14.30
CA [13A]-66A	LT B66	20	132072	1720	15G4M	1	99	66536	2120	4x4 MIMO	LT B66	20	67236	2139.8	2x2 MIMO	LT B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.26	14.30
CA [13A]-66A-66A	LT B66	20	132072	1720	15G4M	1	99	66536	2120	4x4 MIMO	LT B66	20	67236	2139.8	2x2 MIMO	LT B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.27	14.30
CA [13A]-66B	LT B66	15	132047	1717.5	15G4M	1	74	66511	2117.5	4x4 MIMO	LT B66	5	66604	2126.8	4x4 MIMO	LT B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.26	14.30
CA [13A]-66C	LT B66	20	132072	1720	15G4M	1	99	66536	2120	4x4 MIMO	LT B66	20	66734	2139.8	4x4 MIMO	LT B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.24	14.30
CA [13A]-66A-66A	LT B66	20	132072	1720	15G4M	1	99	66536	2120	4x4 MIMO	LT B66	20	67236	2139.8	2x2 MIMO	LT B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.24	14.30
CA [14A]-66A-66A	LT B66	20	132072	1720	15G4M	1	99	66536	2120	2x2 MIMO	LT B66	20	67236	2139.8	2x2 MIMO	LT B14	10	5330	763	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.26	14.30
CA [14A]-66A-66A	LT B66	20	132072	1720	15G4M	1	99	66536	2120	2x2 MIMO	LT B66	20	67236	2139.8	2x2 MIMO	LT B14	10	5330	763	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.26	14.30
CA [14A]-30A-66A	LT B66	20	132072	1720	15G4M	1	99	66536	2120	2x2 MIMO	LT B14	10	5330	763	2x2 MIMO	LT B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.26	14.30
CA [29A]-66A-66A	LT B66	20	132072	1720	15G4M	1	99	66536	2120	4x4 MIMO	LT B66	20	67236	2139.8	2x2 MIMO	LT B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.25	14.30
CA [29A]-66A-66A	LT B66	20	132072	1720	15G4M	1	99	66536	2120	4x4 MIMO	LT B66	20	67236	2139.8	2x2 MIMO	LT B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.26	14.30
CA [30A]-66A-																																		

FCC ID: BCGA1934	 SAR EVALUATION REPORT	Reviewed by: Quality Manager
Test Dates: 1C1806220015-01.BCG	DUT Type: Tablet Device	APPENDIX H: Page 24 of 37

Table 67
Reduced Output Powers – Ant 4A

Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC				DL Ant. Config.	SCC 1				DL Ant. Config.	SCC 2				DL Ant. Config.	SCC 3				DL Ant. Config.	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
						PCC UL RB	PCC UL RB Offset	PCC (UL) Ch.	PCC (UL) Freq. [MHz]		SCC Band	SCC BW [MHz]	SCC (DL) Freq. [MHz]	SCC (DL) Freq. [MHz]		SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]		SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]			
CA 2A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	-	-	-	-	-	-	-	-	-	15.00	15.00	
CA 2A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	14.93	15.00	
CA 17A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	2x2 MIMO	LTE B7	20	3100	2655	2x2 MIMO	-	-	-	-	-	-	-	-	-	14.85	15.00	
CA 7A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	4x4 MIMO	LTE B7	20	3100	2655	2x2 MIMO	-	-	-	-	-	-	-	-	-	14.86	15.00	
CA 12A-66A (1)	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	14.92	15.00	
CA 12A-66A (2)	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	14.92	15.00	
CA 12A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	14.98	15.00
CA 12C-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	702	1940.2	4x4 MIMO	-	-	-	-	-	14.99	15.00
CA 2C-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B2	20	702	1940.2	2x2 MIMO	-	-	-	-	-	14.97	15.00
CA 2A-66B	LTE B66	15	132047	1717.5	16QAM	1	36	66511	2117.5	4x4 MIMO	LTE B66	5	66604	2126.8	4x4 MIMO	LTE B66	5	900	1960	2x2 MIMO	-	-	-	-	-	14.92	14.98
CA 2A-66C	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	4x4 MIMO	LTE B66	20	67336	2139.8	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.95	15.00
CA 2A-66A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	4x4 MIMO	LTE B66	20	67236	2130	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.95	15.00
CA 2A-66A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	2x2 MIMO	LTE B66	20	67236	2130	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.95	15.00
CA 12A-5A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B5	10	5255	881.5	2x2 MIMO	-	-	-	-	-	14.98	15.00
CA 2A-5A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	5255	881.5	2x2 MIMO	-	-	-	-	-	15.00	15.00
CA 12A-12A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.96	15.00
CA 2A-12A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.97	15.00
CA 12A-13A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.95	15.00
CA 2A-13A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.99	15.00
CA 2A-14A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	14.98	15.00
CA 2A-14A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	14.98	15.00
CA 12A-29A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.95	15.00
CA 2A-29A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.96	15.00
CA 12A-30A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.98	15.00
CA 2A-30A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.92	15.00
CA 2A-30A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.96	15.00
CA 12A-46A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.99	15.00
CA 2A-46A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.99	15.00
CA 5A-66B	LTE B66	15	132047	1717.5	16QAM	1	36	66511	2117.5	4x4 MIMO	LTE B66	5	66604	2126.8	4x4 MIMO	LTE B66	5	900	1960	2x2 MIMO	-	-	-	-	-	14.95	14.98
CA 5A-66C	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	4x4 MIMO	LTE B66	20	67336	2139.8	4x4 MIMO	LTE B5	10	5255	881.5	2x2 MIMO	-	-	-	-	-	14.99	15.00
CA 5A-66A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	2x2 MIMO	LTE B66	20	67236	2130	2x2 MIMO	LTE B5	10	5255	881.5	2x2 MIMO	-	-	-	-	-	14.98	15.00
CA 5A-66A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	4x4 MIMO	LTE B66	20	67236	2130	4x4 MIMO	LTE B5	10	5255	881.5	2x2 MIMO	-	-	-	-	-	14.96	15.00
CA 5A-66A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	2x2 MIMO	LTE B66	20	67236	2130	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.95	15.00
CA 12A-66C	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	4x4 MIMO	LTE B66	20	67336	2139.8	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	15.00	15.00
CA 12A-66A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	2x2 MIMO	LTE B66	20	67236	2130	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	15.00	15.00
CA 12A-66A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	4x4 MIMO	LTE B66	20	67236	2130	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	15.00	15.00
CA 12A-13A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.95	15.00
CA 2A-13A-66C	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.99	15.00
CA 12A-13A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.95	15.00
CA 2A-13A-66C	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.99	15.00
CA 12A-14A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	14.98	15.00
CA 2A-14A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	14.98	15.00
CA 12A-29A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.95	15.00
CA 2A-29A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.99	15.00
CA 12A-30A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.98	15.00
CA 2A-30A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	2x2 MIMO	LTE B2	20	900														

Table 68
Reduced Output Powers – Ant 4B

Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC				DL Ant. Config.	SCC 1				DL Ant. Config.	SCC 2				DL Ant. Config.	SCC 3				DL Ant. Config.	LTE Tx Power with DL CA (dBm)	LTE Single Carrier Tx Power (dBm)
						PCC UL RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]		SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]		SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]		SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]			
CA 2A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	-	-	-	-	-	-	-	-	-	14.52	14.50	
CA 2A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	14.49	14.50	
CA 17A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	-	-	-	-	-	-	-	-	-	14.51	14.50	
CA 7A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	4x4 MIMO	LTE B7	20	3100	2655	2x2 MIMO	-	-	-	-	-	-	-	-	-	14.46	14.50	
CA 12A-66A (1)	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	14.51	14.50	
CA 12A-66A (2)	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	14.51	14.50	
CA 12A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	14.54	14.50
CA 12C-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	702	1940.2	2x2 MIMO	-	-	-	-	-	14.59	14.50
CA 2C-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B2	20	702	1940.2	2x2 MIMO	-	-	-	-	-	14.48	14.50
CA 2A-66B	LTE B66	15	132322	1745	16QAM	1	0	66786	2145	4x4 MIMO	LTE B66	5	66693	2135.7	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.29	14.50
CA 2A-66C	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	4x4 MIMO	LTE B66	20	67336	2139.8	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.50	14.50
CA 2A-66A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	4x4 MIMO	LTE B66	20	67236	2130	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.50	14.50
CA 2A-66A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	2x2 MIMO	LTE B66	20	67236	2130	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.50	14.50
CA 12A-5A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.52	14.50
CA 12A-12A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.58	14.50
CA 2A-12A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.54	14.50
CA 12A-13A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.55	14.50
CA 2A-13A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.52	14.50
CA 2A-14A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	14.54	14.50
CA 2A-14A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	14.53	14.50
CA 12A-29A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	4x4 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.55	14.50
CA 2A-29A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.55	14.50
CA 12A-30A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.51	14.50
CA 2A-30A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.54	14.50
CA 12A-46A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.58	14.50
CA 2A-46A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.58	14.50
CA 5A-66B	LTE B66	15	132322	1745	16QAM	1	0	66786	2145	4x4 MIMO	LTE B66	5	66693	2135.7	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.31	14.50
CA 5A-66C	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	4x4 MIMO	LTE B66	20	67336	2139.8	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.49	14.50
CA 5A-66A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	2x2 MIMO	LTE B66	20	67236	2130	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.53	14.50
CA 5A-66A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	4x4 MIMO	LTE B66	20	67236	2130	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.59	14.50
CA 5A-66A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	2x2 MIMO	LTE B66	10	5255	881.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.57	14.50
CA 12A-66C	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	4x4 MIMO	LTE B66	20	67336	2139.8	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.48	14.50
CA 12A-66A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	4x4 MIMO	LTE B66	20	67236	2130	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.55	14.50
CA 12A-66A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	2x2 MIMO	LTE B66	20	67236	2130	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.56	14.50
CA 12A-13A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.55	14.50
CA 13A-66C	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	4x4 MIMO	LTE B66	20	67336	2139.8	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.49	14.50
CA 13A-46A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.48	14.50
CA 14A-66A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	4x4 MIMO	LTE B66	20	67236	2130	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	14.57	14.50
CA 14A-66A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	2x2 MIMO	LTE B66	20	67236	2130	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	14.58	14.50
CA 14A-30A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.56	14.50
CA 29A-66A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	4x4 MIMO	LTE B66	20	67236	2130	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.55	14.50
CA 29A-66A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	2x2 MIMO	LTE B66	20	67236	2130	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.52	14.50
CA 29A-13A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.58	14.50
CA 30A-66A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	4x4 MIMO	LTE B66	20	67236	2130	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.56	14.50
CA 30A-66A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	2x2 MIMO	LTE B66	20	67236	2130	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.53	14.50
CA 46A-66A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	4x4 MIMO	LTE B66	20	67236	2130	2x2												

1.4.10 LTE Band 2 as PCC

Table 69
Reduced Output Powers – Ant 2A

Combination		PCC Band	PCC BW [MHz]	PCC UL Ch.	PCC (UL) Freq [MHz]	Mod.	PCC UL RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq [MHz]	DL Ant. Config.	LTE Tx Power with DL CA Enabled [dBm]	LTE Single Carrier Tx Power [dBm]	
CA [2A]-4A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1862.5	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.99	14.00	
CA [2A]-14A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1862.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.00	14.00	
CA [2A]-12A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1862.5	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.99	14.00	
CA [2A]-17A	LTE B2	10	18650	1855	64QAM	1	49	650	1935	4x4 MIMO	LTE B17	10	5790	740	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.76	13.98	
CA [2A]-29A	LTE B2	10	18650	1855	64QAM	1	49	650	1935	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.77	13.98	
CA [2A]-66A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1862.5	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.98	14.00	
CA [2A]-66A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1862.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.99	14.00	
CA [2A]-24A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1862.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	13.99	14.00
CA [2A]-44A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1862.5	2x2 MIMO	LTE B4	20	700	1940	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.00	14.00
CA [2A]-64A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1862.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	20	2350	2150	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.00	14.00
CA [2A]-2A-5A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1862.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	13.97	14.00
CA [2A]-2A-5A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1862.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.00	14.00
CA [2C]-5A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1862.5	4x4 MIMO	LTE B2	20	727	1942.7	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	13.99	14.00
CA [2A]-2A-12A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1862.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	13.99	14.00
CA [2A]-2A-12A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1862.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.00	14.00
CA [2C]-12A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1862.5	4x4 MIMO	LTE B2	20	727	1942.7	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	13.98	14.00
CA [2A]-2A-13A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1862.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.00	14.00
CA [2A]-2A-13A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1862.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	13.99	14.00
CA [2A]-2A-14A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1862.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	13.96	14.00
CA [2A]-2A-14A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1862.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.00	14.00
CA [2A]-2A-29A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1862.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	13.97	14.00
CA [2A]-2A-29A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1862.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.00	14.00
CA [2C]-29A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1862.5	4x4 MIMO	LTE B2	20	727	1942.7	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	13.97	14.00
CA [2C]-30A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1862.5	4x4 MIMO	LTE B2	20	727	1942.7	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	13.96	14.00
CA [2A]-2A-30A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1862.5	2x2 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.00	14.00
CA [2A]-2A-46A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1862.5	2x2 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	13.98	14.00
CA [2A]-2A-46A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1862.5	4x4 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.00	14.00
CA [2A]-2A-66A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1862.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	13.97	14.00
CA [2A]-2A-66A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1862.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.00	14.00
CA [2C]-66A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1862.5	4x4 MIMO	LTE B2	20	727	1942.7	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	13.98	14.00
CA [2C]-66A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1862.5	2x2 MIMO	LTE B2	20	727	1942.7	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.00	14.00
CA [2A]-66B	LTE B2	20	18925	1882.5	QPSK	1	0	925	1862.5	2x2 MIMO	LTE B66	15	66786	2145	4x4 MIMO	LTE B66	5	66879	2154.3	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.00	14.00
CA [2A]-66C	LTE B2	20	18925	1882.5	QPSK	1	0	925	1862.5	4x4 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	66879	2154.3	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.00	14.00
CA [2A]-66A-66A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1862.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	66879	2154.3	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.00	14.00
CA [2A]-4A-12A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1862.5	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.00	14.00
CA [2A]-4A-12A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1862.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.00	14.00
CA [2A]-4A-13A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1862.5	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.00	14.00
CA [2A]-4A-13A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1862.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.00	14.00
CA [2A]-4A-29A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1862.5	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.00	14.00
CA [2A]-4A-29A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1862.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.00	14.00
CA [2A]-4A-30A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1862.5																									

Table 70
Reduced Output Powers – Ant 2B

Combination	PCC Band	PCC BW [MHz]	PCC [UL] Ch.	PCC (UL) Freq [MHz]	Mod.	PCC				DL Ant. Config.	SCC 1				DL Ant. Config.	SCC 2				DL Ant. Config.	SCC 3				LTE Tx Power with Enab. DL CA	LTE Single Carrier Tx Power (dBm)		
						PCC UL RB	PCC UL RB Offset	PCC [DL] Ch.	PCC (DL) Freq [MHz]		SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC (DL) Freq [MHz]		SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC (DL) Freq [MHz]		SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC (DL) Freq [MHz]				
CA [2A]-4A	LTE B2	1.4	1919	1909.3	64QAM	1	0	1193	1989.3	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	13.64	13.70	
CA [2A]-4A	LTE B2	1.4	1919	1909.3	64QAM	1	0	1193	1989.3	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	13.35	13.70	
CA [2A]-12A	LTE B2	15	1892.5	1982.5	QPSK	1	0	925	1982.5	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	13.83	13.68	
CA [2A]-17A	LTE B2	10	1892.5	1982.5	QPSK	1	0	925	1982.5	4x4 MIMO	LTE B17	10	5790	740	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	13.57	13.67	
CA [2A]-29A	LTE B2	10	1892.5	1982.5	QPSK	1	0	925	1982.5	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	13.52	13.67	
CA [2A]-66A	LTE B2	1.4	1919	1909.3	64QAM	1	0	1193	1989.3	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	13.59	13.70	
CA [2A]-66A	LTE B2	1.4	1919	1909.3	64QAM	1	0	1193	1989.3	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	13.35	13.70	
CA [2A]-2A-4A	LTE B2	15	1892.5	1982.5	QPSK	1	0	925	1982.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	-	13.58	13.68
CA [2A]-2A-4A	LTE B2	15	1892.5	1982.5	QPSK	1	0	925	1982.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	-	13.58	13.68
CA [2A]-4A-4A	LTE B2	15	1892.5	1982.5	QPSK	1	0	925	1982.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	-	13.59	13.68
CA [2A]-2A-5A	LTE B2	15	1892.5	1982.5	QPSK	1	0	925	1982.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	13.61	13.68
CA [2A]-2A-5A	LTE B2	15	1892.5	1982.5	QPSK	1	0	925	1982.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	13.59	13.68
CA [2C]-5A	LTE B2	15	1892.5	1982.5	QPSK	1	0	925	1982.5	4x4 MIMO	LTE B2	20	754	1945.4	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	13.63	13.68
CA [2A]-2A-12A	LTE B2	15	1892.5	1982.5	QPSK	1	0	925	1982.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	13.63	13.68
CA [2A]-2A-12A	LTE B2	15	1892.5	1982.5	QPSK	1	0	925	1982.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	13.60	13.68
CA [2C]-12A	LTE B2	15	1892.5	1982.5	QPSK	1	0	925	1982.5	4x4 MIMO	LTE B2	20	754	1945.4	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	13.55	13.68
CA [2A]-2A-13A	LTE B2	15	1892.5	1982.5	QPSK	1	0	925	1982.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	13.62	13.68
CA [2A]-2A-13A	LTE B2	15	1892.5	1982.5	QPSK	1	0	925	1982.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	13.60	13.68
CA [2A]-2A-14A	LTE B2	15	1892.5	1982.5	QPSK	1	0	925	1982.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	-	13.62	13.68
CA [2A]-2A-14A	LTE B2	15	1892.5	1982.5	QPSK	1	0	925	1982.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	-	13.59	13.68
CA [2A]-2A-29A	LTE B2	15	1892.5	1982.5	QPSK	1	0	925	1982.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	13.61	13.68
CA [2A]-2A-29A	LTE B2	15	1892.5	1982.5	QPSK	1	0	925	1982.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	13.63	13.68
CA [2C]-29A	LTE B2	15	1892.5	1982.5	QPSK	1	0	925	1982.5	4x4 MIMO	LTE B2	20	754	1945.4	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	13.58	13.68
CA [2C]-30A	LTE B2	15	1892.5	1982.5	QPSK	1	0	925	1982.5	4x4 MIMO	LTE B2	20	754	1945.4	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	13.59	13.68
CA [2C]-30A	LTE B2	15	1892.5	1982.5	QPSK	1	0	925	1982.5	2x2 MIMO	LTE B2	20	754	1945.4	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	13.58	13.68
CA [2A]-2A-30A	LTE B2	15	1892.5	1982.5	QPSK	1	0	925	1982.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	13.61	13.68
CA [2A]-2A-30A	LTE B2	15	1892.5	1982.5	QPSK	1	0	925	1982.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	13.60	13.68
CA [2A]-2A-66A	LTE B2	15	1892.5	1982.5	QPSK	1	0	925	1982.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B66	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	13.60	13.68
CA [2A]-2A-66A	LTE B2	15	1892.5	1982.5	QPSK	1	0	925	1982.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B66	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	13.61	13.68
CA [2A]-2A-66A	LTE B2	15	1892.5	1982.5	QPSK	1	0	925	1982.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	13.59	13.68
CA [2A]-2A-66A	LTE B2	15	1892.5	1982.5	QPSK	1	0	925	1982.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	13.60	13.68
CA [2C]-66A	LTE B2	15	1892.5	1982.5	QPSK	1	0	925	1982.5	4x4 MIMO	LTE B2	20	754	1945.4	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	13.60	13.68
CA [2C]-66A	LTE B2	15	1892.5	1982.5	QPSK	1	0	925	1982.5	2x2 MIMO	LTE B2	20	754	1945.4	4x4 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	13.63	13.68
CA [2A]-66A	LTE B2	15	1892.5	1982.5	QPSK	1	0	925	1982.5	4x4 MIMO	LTE B2	20	754	1945.4	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	13.58	13.68
CA [2A]-66C	LTE B2	15	1892.5	1982.5	QPSK	1	0	925	1982.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	66984	2164.8	4x4 MIMO	-	-	-	-	-	-	13.58	13.68
CA [2A]-66A-66A	LTE B2	15	1892.5	1982.5	QPSK	1	0	925	1982.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	-	-	-	-	-	-	13.59	13.68
CA [2A]-4A-5A	LTE B2	15	1892.5	1982.5	QPSK	1	0	925	1982.5	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	13.61	13.68
CA [2A]-4A-5A	LTE B2	15	1892.5	1982.5	QPSK	1	0	925	1982.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	13.60	13.68
CA [2A]-4A-12A	LTE B2	15	1892.5	1982.5	QPSK	1	0	925	1982.5	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	13.60	13.68
CA [2A]-4A-12A	LTE B2	15	1892.5	1982.5	QPSK	1	0	925	1982.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	13.58	13.68
CA [2A]-4A-13A	LTE B2	15	1892.5	1982.5	QPSK	1	0	925	1982.5	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	13.61	13.68
CA [2A]-4A-13A	LTE B2	15	1892.5	1982.5	QPSK	1	0	925	1982.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	13.61	13.68
CA [2A]-4A-29A	LTE B2	15	1892.5	1982.5	QPSK	1	0	925	1982.5	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	13.62	13.68
CA [2A]-4A-29A	LTE B2	15	1892.5	1982.5	QPSK	1	0	925	1982.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	13.64	13

Table 71
Reduced Output Powers – Ant 4A

Combination		PCC Band	PCC BW [MHz]	PCC [UL] Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)		
CA [2A]-4A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.13	15.30		
CA [2A]-4A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.24	15.30	
CA [2A]-12A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.18	15.30	
CA [2A]-17A	LTE B2	5	18625	1852.5	QPSK	12	0	625	1932.5	4x4 MIMO	LTE B17	10	5790	740	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.26	15.30	
CA [2A]-29A	LTE B2	5	18625	1852.5	QPSK	12	0	625	1932.5	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.27	15.30	
CA [2A]-66A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.14	15.30	
CA [2A]-66A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.13	15.30	
CA [2A]-24A-4A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	15.20	15.30
CA [2A]-24A-4A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	15.12	15.30
CA [2A]-2A-5A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	15.13	15.30
CA [2A]-2A-5A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	15.18	15.30
CA [2C]-5A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	4x4 MIMO	LTE B2	20	898	1959.8	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	15.18	15.30
CA [2A]-2A-12A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	15.11	15.30
CA [2A]-2A-12A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	15.09	15.30
CA [2A]-12A-13A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	4x4 MIMO	LTE B2	20	898	1959.8	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	15.15	15.30
CA [2A]-2A-13A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	15.16	15.30
CA [2A]-2A-13A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	15.15	15.30
CA [2A]-2A-14A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	15.10	15.30
CA [2A]-2A-14A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	15.16	15.30
CA [2A]-2A-29A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	15.13	15.30
CA [2C]-29A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	4x4 MIMO	LTE B2	20	898	1959.8	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	15.14	15.30
CA [2C]-30A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	4x4 MIMO	LTE B2	20	898	1959.8	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	15.14	15.30
CA [2C]-130A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B2	20	898	1959.8	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	15.15	15.30
CA [2A]-2A-30A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	15.13	15.30
CA [2A]-2A-30A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	15.13	15.30
CA [2A]-2A-46A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	15.19	15.30
CA [2A]-2A-46A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	15.16	15.30
CA [2A]-2A-66A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	15.13	15.30
CA [2A]-2A-66A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	4x4 MIMO	LTE B2	20	898	1959.8	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	15.15	15.30
CA [2C]-66A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B2	20	898	1959.8	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	15.08	15.30
CA [2A]-66B	LTE B2	20	18700	1860	16QAM	1	0	700	1940	4x4 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	15	66786	2145	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	15.14	15.30
CA [2A]-66C	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	66984	2164.8	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	15.13	15.30
CA [2A]-66A-66A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	15.12	15.30
CA [2A]-4A-5A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	15.13	15.30
CA [2A]-4A-5A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	15.14	15.30
CA [2A]-4A-12A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	15.16	15.30
CA [2A]-4A-12A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	15.17	15.30
CA [2A]-4A-13A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	15.09	15.30
CA [2A]-4A-13A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	15.20	15.30
CA [2A]-4A-29																																			

1.4.11 LTE Band 25 as PCC

Table 73
Reduced Output Powers – Ant 2A

Combination	PCC Band	PCC										SCC 1				SCC 2				Power		
		PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx Power with DL CA Enabled (dbm)	LTE Single Carrier Tx Power (dbm)
CA 5A-[25A]	LTE B25	20	26365	1882.5	QPSK	1	0	8365	1962.5	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	13.92	14.00
CA [25A]-26A	LTE B25	20	26365	1882.5	QPSK	1	0	8365	1962.5	4x4 MIMO	LTE B26	10	8865	876.5	2x2 MIMO	-	-	-	-	-	13.98	14.00
CA [25A]-25A-26A	LTE B25	20	26365	1882.5	QPSK	1	0	8365	1962.5	4x4 MIMO	LTE B25	20	8140	1940	2x2 MIMO	LTE B26	5	8865	876.5	2x2 MIMO	13.96	14.00
CA [25A]-25A-26A	LTE B25	20	26365	1882.5	QPSK	1	0	8365	1962.5	2x2 MIMO	LTE B25	20	8140	1940	4x4 MIMO	LTE B26	5	8865	876.5	2x2 MIMO	13.95	14.00

Table 74
Reduced Output Powers – Ant 2B

Combination	PCC Band	PCC										SCC 1				SCC 2				Power		
		PCC BW [MHz]	PCC [UL] Ch.	PCC [UL] Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC [DL] Ch.	PCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	LTE Tx Power with DL CA Enabled (dbm)	LTE Single Carrier Tx Power (dbm)
CA 5A-[25A]	LTE B25	15	26365	1882.5	QPSK	1	0	8365	1962.5	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	13.63	13.68
CA [25A]-26A	LTE B25	15	26365	1882.5	QPSK	1	0	8365	1962.5	4x4 MIMO	LTE B26	10	8865	876.5	2x2 MIMO	-	-	-	-	-	13.60	13.68
CA [25A]-25A-26A	LTE B25	15	26365	1882.5	QPSK	1	0	8365	1962.5	4x4 MIMO	LTE B25	20	8140	1940	2x2 MIMO	LTE B26	5	8865	876.5	2x2 MIMO	13.63	13.68
CA [25A]-25A-26A	LTE B25	15	26365	1882.5	QPSK	1	0	8365	1962.5	2x2 MIMO	LTE B25	20	8140	1940	4x4 MIMO	LTE B26	5	8865	876.5	2x2 MIMO	13.66	13.68

Table 75
Reduced Output Powers – Ant 4A

Combination	PCC Band	PCC										SCC 1				SCC 2				Power			
		PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)	
CA 5A-[25A]	LTE B25	20	26140	1860	16QAM	1	0	8140	1940	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	15.17	15.30
CA [25A]-26A	LTE B25	20	26140	1860	16QAM	1	0	8140	1940	4x4 MIMO	LTE B26	10	8865	876.5	2x2 MIMO	-	-	-	-	-	-	15.15	15.30
CA [25A]-25A-26A	LTE B25	20	26140	1860	16QAM	1	0	8140	1940	4x4 MIMO	LTE B25	20	8590	1985	2x2 MIMO	LTE B26	5	8865	876.5	2x2 MIMO	15.17	15.30	
CA [25A]-25A-26A	LTE B25	20	26140	1860	16QAM	1	0	8140	1940	2x2 MIMO	LTE B25	20	8590	1985	4x4 MIMO	LTE B26	5	8865	876.5	2x2 MIMO	15.12	15.30	

Table 76
Reduced Output Powers – Ant 4B

Combination	PCC										SCC 1				SCC 2				Power			
	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA 5A-[25A]	LTE B25	20	26140	1860	64QAM	1	99	8140	1940	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.18	14.20
CA [25A]-26A	LTE B25	20	26140	1860	64QAM	1	99	8140	1940	4x4 MIMO	LTE B26	10	8865	876.5	2x2 MIMO	-	-	-	-	-	14.17	14.20
CA [25A]-25A-26A	LTE B25	20	26140	1860	64QAM	1	99	8140	1940	4x4 MIMO	LTE B25	20	8590	1985	2x2 MIMO	LTE B26	5	8865	876.5	2x2 MIMO	14.20	14.20
CA [25A]-25A-26A	LTE B25	20	26140	1860	64QAM	1	99	8140	1940	2x2 MIMO	LTE B25	20	8590	1985	4x4 MIMO	LTE B26	5	8865	876.5	2x2 MIMO	14.17	14.20

1.4.12 LTE Band 30 as PCC

Table 77
Reduced Output Powers – Ant 2A

Combination	PCC Band	PCC										SCC 1				SCC 2				SCC 3				Power			
		PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA [2C]-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	702	1940.2	4x4 MIMO	-	-	-	-	-	12.57	12.60
CA 2C-[30A]	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B2	20	702	1940.2	2x2 MIMO	-	-	-	-	-	12.50	12.60
CA [2A]-2A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	12.58	12.60
CA [2A]-4A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	12.60	12.60
CA 2A-[4A]-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	12.60	12.60
CA 2A-4A-[30A]	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	12.58	12.60
CA 2A-5A-[30A]	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	12.54	12.60
CA 2A-12A-[30A]	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	12.56	12.60
CA 2A-14A-[30A]	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	12.57	12.60
CA 2A-29A-[30A]	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	12.60	12.60
CA [2A]-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	12.60	12.60
CA 2A-[30A]-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	12.60	12.60
CA 2A-30A-[66A]	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	12.60	12.60
CA [4A]-4A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	12.56	12.60
CA 4A-5A-[30A]	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	12.58	12.60
CA 4A-12A-[30A]	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	12.55	12.60
CA 4A-29A-[30A]	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	12.57	12.60
CA 5A-[30A]-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	12.47	12.60
CA 12A-[30A]-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	12.56	12.60
CA 14A-[30A]-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	12.55	12.60
CA 29A-[30A]-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	12.57	12.60
CA 30A-[66A]-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	-	-	-	-	-	12.60	12.60
CA 2A-5B-[30A]	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	12.56	12.60
CA 5B-[30A]-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B66	20	67236	2190	2x2 MIMO	12.53	12.60

FCC ID: BCGA1934		SAR EVALUATION REPORT	Reviewed by: Quality Manager
Test Dates: 1C1806220015-01.BCG	DUT Type: Tablet Device		APPENDIX H: Page 31 of 37

Reduced Output Powers – Ant 2B

Combination	PCB Band	PCB BW [MHz]	PCB Ch. [MHz]	PCU (UL) Freq. [MHz]	Mod.	PCC				SCC 1				SCC 2				SCC 3				Power				
						PCU UL#s RB	PCU UL#s RB Offset	PCU (DL) Ch.	PCU (UL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx Power with CA Enabled (dBm)
CA {2C}-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	702	1940.2	4x4 MIMO	-	-	-	12.85	12.90	
CA {2C}-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B2	20	702	1940.2	2x2 MIMO	-	-	-	12.89	12.90	
CA {2A}-24A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	12.90	12.90	
CA {2A}-44A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	712.5	2132.5	2x2 MIMO	-	-	-	12.89	12.90	
CA {2A}-44A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	12.86	12.90	
CA {2A}-44A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	12.90	12.90	
CA {2A}-5A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	20	2525	881.5	2x2 MIMO	-	-	-	12.89	12.90	
CA {2A}-12A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B12	20	5095	773.5	2x2 MIMO	-	-	-	12.89	12.90	
CA {2A}-14A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B14	20	5330	763	2x2 MIMO	-	-	-	12.90	12.90	
CA {2A}-29A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	12.86	12.90	
CA {2A}-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	66786	2145	2x2 MIMO	-	-	-	12.89	12.90	
CA {2A}-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	12.90	12.90	
CA {2A}-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	12.90	12.90	
CA {4A}-4A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	20	2350	2150	2x2 MIMO	-	-	-	12.84	12.90	
CA {4A}-5A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	20	2525	881.5	2x2 MIMO	-	-	-	12.89	12.90	
CA {4A}-12A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B12	10	5095	773.5	2x2 MIMO	-	-	-	12.89	12.90	
CA {4A}-29A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	12.90	12.90	
CA {5A}-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	12.84	12.90	
CA {5A}-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	12.89	12.90	
CA {4A}-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B14	20	5330	763	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	12.89	12.90	
CA {29A}-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	12.90	12.90	
CA {30A}-66A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	12.85	12.90	
CA {2A}-5B-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	5	2453	881.5	2x2 MIMO	LTE B5	5	2453	874.3	12.85	12.90
CA {5B}-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	881.5	2x2 MIMO	LTE B66	20	66786	2145	12.85	12.90

Reduced Output Powers – Ant 4A

PCC										SCC 1				SCC 2				SCC 3				Power									
Combination	PCB Band	PCB BW [MHz]	PCB Ch.	PCU [MHz]	Mod.	PCU UL# RB	PCU UL# RB Offset	PCU Ch.	PCD [Hz]	PCD [Hz] Freq.	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC Ch.	SCC [Hz]	SCC [Hz] Freq.	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC Ch.	SCC [Hz]	SCC [Hz] Freq.	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC Ch.	SCC [Hz]	SCC [Hz] Freq.	DL Ant. Config.	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA 12C1-30A	LTE B30	20	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	702	1940.2	4x4 MIMO	-	-	-	-	-	-	-	-	-	13.50	13.50
CA 2C-130A	LTE B30	20	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B2	20	702	1940.2	2x2 MIMO	-	-	-	-	-	-	-	-	-	13.47	13.50
CA 2A-24A-30A	LTE B30	20	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	-	-	-	-	13.47	13.50
CA 2A-4A-30A	LTE B30	20	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	712	2122	2x2 MIMO	-	-	-	-	-	-	-	-	-	13.47	13.50
CA 2A-16A-30A	LTE B30	20	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	-	-	-	-	13.43	13.50
CA 2A-4A-30A	LTE B30	20	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	13.50	13.50
CA 2A-12A-30A	LTE B30	20	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	20	2525	2581.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	13.47	13.50
CA 2A-12A-30A	LTE B30	20	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	20	2525	2581.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	13.50	13.50
CA 2A-14A-30A	LTE B30	20	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	10	5330	763	2x2 MIMO	-	-	-	-	-	-	-	-	-	13.49	13.50
CA 2A-29A-30A	LTE B30	20	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B20	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	13.46	13.50
CA 2A-30A-66A	LTE B30	20	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B6	20	6678	2146	2x2 MIMO	-	-	-	-	-	-	-	-	-	13.49	13.50
CA 2A-30A-66A	LTE B30	20	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B6	20	6678	2145	2x2 MIMO	-	-	-	-	-	-	-	-	-	13.45	13.50
CA 2A-30A-66A	LTE B30	20	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B6	20	6678	2145	4x4 MIMO	-	-	-	-	-	-	-	-	-	13.41	13.50
CA 4A-4A-30A	LTE B30	20	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	-	-	-	-	13.48	13.50
CA 5A-5A-30A	LTE B30	20	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B5	10	2525	2581.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	13.48	13.50
CA 4A-12A-30A	LTE B30	20	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B12	10	5095	777.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	13.44	13.50
CA 4A-29A-30A	LTE B30	20	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B20	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	13.48	13.50
CA 5A-10A-66A	LTE B30	20	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B5	10	2525	2581.5	2x2 MIMO	LTE B6	20	6678	2145	2x2 MIMO	-	-	-	-	-	-	-	-	-	13.47	13.50
CA 5A-10A-66A	LTE B30	20	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B12	10	5095	777.5	2x2 MIMO	LTE B6	20	6678	2145	2x2 MIMO	-	-	-	-	-	-	-	-	-	13.47	13.50
CA 14A-130A-66A	LTE B30	20	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	LTE B6	20	6678	2145	2x2 MIMO	-	-	-	-	-	-	-	-	-	13.46	13.50
CA 29A-30A-66A	LTE B30	20	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B20	10	9715	722.5	2x2 MIMO	LTE B6	20	6678	2145	2x2 MIMO	-	-	-	-	-	-	-	-	-	13.45	13.50
CA 30A-160A-66A	LTE B30	20	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B6	20	6678	2145	2x2 MIMO	-	-	-	-	-	-	-	-	-	13.44	13.50
CA 2A-5B-30A	LTE B30	20	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	2581.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B5	5	2453	874.3	13.50	13.50
CA 3B-30A-66A	LTE B30	20	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B5	10	2525	2581.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B6	20	6739	2190	2x2 MIMO	LTE B6	20	6739	2190	13.41	13.50

Table 60

Reduced Output Powers – Ant 4B

PCC										SEC 1						SEC 2						SEC 3						Power	
Combination	PCC Band	PCC BW [MHz]	PCC Ch.	PCC U/L Freq. [MHz]	Mod.	PCC U/L RB	PCC UL# RB Offset	PCC (DL) Ch.	PCC (UL) Freq. [MHz]	Dt. Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	Dt. Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	Dt. Ant. Config.	SCC Band	SCC BW [MHz]	SCC (UL) Ch.	SCC (UL) Freq. [MHz]	Dt. Ant. Config.	LTE Tx Power (dBm)	LTE Rx Power (dBm)		
CA {2C}-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	702	1940.2	4x4 MIMO	-	-	-	-	-	13.23	13.20		
CA {2C}-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B2	20	702	1940.2	2x2 MIMO	-	-	-	-	-	13.21	13.20		
CA {2A-2A}-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	13.24	13.20		
CA {2A-4A}-30A	LTE B30	10	27710	2310	QPSK	2	49	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	2125	2122.5	2x2 MIMO	-	-	-	-	-	13.25	13.20		
CA {2A-14A}-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	13.29	13.20		
CA {2A-4A}-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	13.23	13.20		
CA {2A-5A}-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	20	2525	2525.5	2x2 MIMO	-	-	-	-	-	13.22	13.20		
CA {2A-12A}-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	20	5095	5095.5	2x2 MIMO	-	-	-	-	-	13.24	13.20		
CA {2A-14A}-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B14	20	5330	763	2x2 MIMO	-	-	-	-	-	13.25	13.20		
CA {2A-29A}-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	13.23	13.20		
CA {2A-30A}-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	6678	2145	2x2 MIMO	-	-	-	-	-	13.26	13.20		
CA {2A-30A}-66A	LTE B30	10	27710	2310	QPSK	2	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	6678	2145	2x2 MIMO	-	-	-	-	-	13.24	13.20		
CA {2A-30A}-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	6678	2145	4x4 MIMO	-	-	-	-	-	13.30	13.20		
CA {4A}-4A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	20	2130	2150	2x2 MIMO	-	-	-	-	-	13.28	13.20		
CA {4A-5A}-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	20	2525	2525.5	2x2 MIMO	-	-	-	-	-	13.28	13.20		
CA {4A-12A}-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B12	20	5095	737.5	2x2 MIMO	-	-	-	-	-	13.26	13.20		
CA {4A-29A}-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	13.23	13.20		
CA {5A}-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B5	20	2525	2525.5	2x2 MIMO	LTE B66	20	6678	2145	2x2 MIMO	-	-	-	-	-	13.32	13.20		
CA {5A-130A}-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B12	20	5095	727.5	2x2 MIMO	LTE B66	20	6678	2145	2x2 MIMO	-	-	-	-	-	13.27	13.20		
CA {14A}-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B14	20	5330	763	2x2 MIMO	LTE B66	20	6678	2145	2x2 MIMO	-	-	-	-	-	13.23	13.20		
CA {29A}-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B66	20	6678	2145	2x2 MIMO	-	-	-	-	-	13.26	13.20		
CA {30A}-66A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B66	20	6678	2145	4x4 MIMO	LTE B66	20	6726	2190	2x2 MIMO	-	-	-	-	-	13.27	13.20		
CA {30A}-66B-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	20	2525	2525.5	2x2 MIMO	LTE B5	5	2531	874.3	2x2 MIMO	13.27	13.20		
CA {30A}-66B-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B5	20	2525	2525.5	2x2 MIMO	LTE B5	20	2525	874.3	2x2 MIMO	LTE B66	20	6726	2190	2x2 MIMO	13.24	13.20		

FCC ID: BCGA1934	 SAR EVALUATION REPORT	Reviewed by: Quality Manager
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1.4.13 LTE Band 7 as PCC

Table 81
Reduced Output Powers – Ant 2A

Combination	PCC Band	PCC						SCC 1				SCC 2				SCC 3				Power									
		PCC BW [MHz]	PCC [UL] Ch.	PCC [UL] Freq. [MHz]	Mod.	PCC UL RB	PCC UL RB Offset	PCC [DL] Ch.	PCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)		
CA 5A-7A	LTE B7	20	21350	2560	QPSK	1	0	3150	2680	4x4 MIMO	LTE B5	10	2525	881.3	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	11.99	12.00	
CA 7B	LTE B7	15	21375	2562.5	QPSK	1	36	3375	2682.5	4x4 MIMO	LTE B7	5	3282	2673.2	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	11.99	11.99	
CA 7C(1)	LTE B7	20	21350	2560	QPSK	1	0	3350	2680	4x4 MIMO	LTE B7	20	3152	2660.2	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	11.99	12.00	
CA 7A(1)-12A	LTE B7	20	21350	2560	QPSK	1	0	3350	2680	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	11.93	12.00	
CA 7A(1)-46A(1)	LTE B7	20	21350	2560	QPSK	1	0	3350	2680	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	11.92	12.00	
CA 7A(1)-66A	LTE B7	20	21350	2560	QPSK	1	0	3350	2680	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	11.91	12.00	
CA 7A(1)-66A	LTE B7	20	21350	2560	QPSK	1	0	3350	2680	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	11.92	12.00	
CA 4A(1)-4A-7A(1)	LTE B7	20	21350	2560	QPSK	1	0	3350	2680	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	-	-	11.99	12.00
CA 4A(1)-7A(1)-7A	LTE B7	20	21350	2560	QPSK	1	0	3350	2680	4x4 MIMO	LTE B7	20	2850	2630	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	-	-	11.96	12.00
CA 4A(1)-7A(1)-7A	LTE B7	20	21350	2560	QPSK	1	0	3350	2680	2x2 MIMO	LTE B7	20	2850	2630	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	-	-	11.96	12.00
CA 4A(1)-7A(1)-12A(1)	LTE B7	20	21350	2560	QPSK	1	0	3350	2680	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	11.97	12.00
CA 7A(1)-46C(1)	LTE B7	20	21350	2560	QPSK	1	0	3350	2680	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	-	-	-	-	-	-	-	11.94	12.00
CA 7A(1)-46D(1)	LTE B7	20	21350	2560	QPSK	1	0	3350	2680	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	-	-	-	-	-	-	-	11.91	12.00

Table 82
Reduced Output Powers – Ant 2B

Combination	PCC Band	PCC										SCC 1				SCC 2				SCC 3				Power					
		PCC BW [MHz]	PCC [UL] Ch.	PCC [UL] Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC [DL] Ch.	PCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)		
CA 5A-7A)	LTE B7	15	21100	2535	64QAM	1	0	3100	2655	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	11.99	12.29	
CA 7B)	LTE B7	15	21100	2535	64QAM	1	0	3100	2655	4x4 MIMO	LTE B7	5	3007	2645.7	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	12.07	12.29	
CA 7C(1)	LTE B7	15	21100	2535	64QAM	1	0	3100	2655	4x4 MIMO	LTE B7	20	2929	2637.9	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	12.00	12.29	
CA 7A(1)-12A	LTE B7	15	21100	2535	64QAM	1	0	3100	2655	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	11.98	12.29	
CA 7A(1)-46A(1)	LTE B7	15	21100	2535	64QAM	1	0	3100	2655	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	11.99	12.29	
CA 7A(1)-66A	LTE B7	15	21100	2535	64QAM	1	0	3100	2655	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	12.00	12.29	
CA 7A(1)-66A	LTE B7	15	21100	2535	64QAM	1	0	3100	2655	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	11.98	12.29	
CA 1A(1)-4A(1)-7A(1)	LTE B7	15	21100	2535	64QAM	1	0	3100	2655	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	-	-	11.93	12.29
CA 4A(1)-7A(1)-7A	LTE B7	15	21100	2535	64QAM	1	0	3100	2655	4x4 MIMO	LTE B7	20	2850	2630	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	-	-	11.96	12.29
CA 4A(1)-7A(1)-7A	LTE B7	15	21100	2535	64QAM	1	0	3100	2655	2x2 MIMO	LTE B7	20	2850	2630	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	-	-	11.94	12.29
CA 4A(1)-7A(1)-12A(1)	LTE B7	15	21100	2535	64QAM	1	0	3100	2655	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	11.94	12.29
CA 7A(1)-46C(1)	LTE B7	15	21100	2535	64QAM	1	0	3100	2655	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	-	-	-	-	-	-	-	11.96	12.29
CA 7A(1)-46D(1)	LTE B7	15	21100	2535	64QAM	1	0	3100	2655	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	-	-	-	-	-	-	-	11.95	12.29

Table 83
Reduced Output Powers – Ant 4A

Combination	PCC Band	PCC						SCC 1				SCC 2				SCC 3				Power									
		PCC BW [MHz]	PCC [UL] Ch.	PCC [UL] Freq. [MHz]	Mod.	PCC UL RB	PCC UL RB Offset	PCC [DL] Ch.	PCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)		
CA 5A-7A	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	11.96	12.00	
CA 7B	LTE B7	15	20825	2507.5	QPSK	36	37	2825	2627.5	4x4 MIMO	LTE B7	5	2918	2636.8	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	11.99	12.00	
CA 7C(1)	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	4x4 MIMO	LTE B7	20	3048	2649.8	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	11.96	12.00	
CA 7A(1)-12A	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	11.99	12.00	
CA 7A(1)-46A(1)	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	12.00	12.00	
CA 7A(1)-66A	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	12.00	12.00	
CA 7A(1)-66A	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	11.98	12.00	
CA 4A(1)-4A-7A(1)	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	-	-	11.97	12.00
CA 4A(1)-7A(1)-7A	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	4x4 MIMO	LTE B7	20	3350	2680	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	-	-	11.98	12.00
CA 4A(1)-7A(1)-7A	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	2x2 MIMO	LTE B7	20	3350	2680	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	-	-	11.97	12.00
CA 4A(1)-7A(1)-12A(1)	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	11.97	12.00
CA 7A(1)-46C(1)	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	-	-	-	-	-	-	-	12.00	12.00
CA 7A(1)-46D(1)	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	-	-	-	-	-	-	-	12.00	12.00

Table 84
Reduced Output Powers – Ant 4B

Combination	PCC Band	PCC						SCC 1				SCC 2				SCC 3				Power									
		PCC BW [MHz]	PCC [UL] Ch.	PCC [UL] Freq. [MHz]	Mod.	PCC UL RB	PCC UL RB Offset	PCC [DL] Ch.	PCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)		
CA 5A-7A	LTE B7	15	21375	2562.5	QPSK	36	37	3375	2682.5	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	12.00	12.00	
CA 7B	LTE B7	15	21375	2562.5	QPSK	36	37	3375	2682.5	4x4 MIMO	LTE B7	5	3282	2673.2	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	11.98	12.00	
CA 7C(1)	LTE B7	15	21375	2562.5	QPSK	36	37	3375	2682.5	4x4 MIMO	LTE B7	20	3204	2665.4	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	12.03	12.00	
CA 7A(1)-12A	LTE B7	15	21375	2562.5	QPSK	36	37	3375	2682.5	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	12.01	12.00	
CA 7A(1)-46A(1)	LTE B7	15	21375	2562.5	QPSK	36	37	3375	2682.5	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	11.98	12.00	
CA 7A(1)-66A	LTE B7	15	21375	2562.5	QPSK	36	37	3375	2682.5	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	12.02	12.00	
CA 7A(1)-66A	LTE B7	15	21375	2562.5	QPSK	36	37	3375	2682.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	11.98	12.00	
CA 4A(1)-4A-7A(1)	LTE B7	15	21375	2562.5	QPSK	36	37	3375	2682.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	-	-	12.02	12.00
CA 4A(1)-7A(1)-7A	LTE B7	15	21375	2562.5	QPSK	36	37	3375	2682.5	4x4 MIMO	LTE B7	20	2850	2630	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	-	-	12.04	12.00
CA 4A(1)-7A(1)-7A	LTE B7	15	21375	2562.5	QPSK	36	37	3375	2682.5	4x4 MIMO	LTE B7	20	2850	2630	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	-	-	12.04	12.00
CA 4A(1)-12A(1)	LTE B7	15	21375	2562.5	QPSK	36	37	3375	2682.5	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	12.02	12.00
CA 7A(1)-46C(1)	LTE B7	15	21375	2562.5	QPSK	36	37	3375	2682.5	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50667	5517.7	2x2 MIMO	-	-	-	-	-	-	-	12.02	12.00
CA 7A(1)-46D(1)	LTE B7	15	21375	2562.5	QPSK	36	37	3375	2682.5	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50667	5517.7	2x2 MIMO	-	-	-	-	-	-	-	12.04	12.00

1.4.14 LTE Band 41 as PCC

Table 85
Reduced Output Powers – Ant 2A

Combination	PCC Band	PCC										SCC 1						SCC 2				SCC 3				Power		
		PCC BW [MHz]	PCC [UL] Ch.	PCC [DL] Freq. [MHz]	Mod.	PCC UL RB	PCC RB Offset	PCC [UL] Ch.	PCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)	
CA {41A}-41A(1)	LTE B41	20	40620	2593	QPSK	1	99	40620	2593	4x4 MIMO	LTE B41	20	39750	2506	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.80	14.80
CA {41A}-41A(1)	LTE B41	20	40620	2593	QPSK	1	99	40620	2593	2x2 MIMO	LTE B41	20	39750	2506	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.77	14.80
CA {41A}-41C	LTE B41	20	40620	2593	QPSK	1	99	40620	2593	4x4 MIMO	LTE B41	20	41292	2660.2	2x2 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	14.80	14.80
CA {41A}-41C	LTE B41	20	40620	2593	QPSK	1	99	40620	2593	2x2 MIMO	LTE B41	20	41292	2660.2	4x4 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	-	14.78	14.80
CA {41C}-41A(1)	LTE B41	20	40620	2593	QPSK	1	99	40620	2593	2x2 MIMO	LTE B41	20	40818	2612.8	2x2 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	14.78	14.80
CA {41C}-41A	LTE B41	20	40620	2593	QPSK	1	99	40620	2593	4x4 MIMO	LTE B41	20	40818	2612.8	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	14.77	14.80
CA {41A}-41D	LTE B41	20	40620	2593	QPSK	1	99	40620	2593	4x4 MIMO	LTE B41	20	41490	2660.4	2x2 MIMO	LTE B41	20	41292	2660.2	2x2 MIMO	LTE B41	20	41490	2680	2x2 MIMO	14.80	14.80	
CA {41D}-41A(1)	LTE B41	20	40620	2593	QPSK	1	99	40620	2593	2x2 MIMO	LTE B41	20	40422	2573.2	2x2 MIMO	LTE B41	20	41292	2612.8	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	14.80	14.80	

Table 86
Reduced Output Powers – Ant 2B

Combination	PCC Band	PCC										SCC 1				SCC 2				SCC 3				Power			
		PCC BW [MHz]	PCC [UL] Ch.	PCC [UL] Freq. [MHz]	Mod.	PCC UL Rx	PCC UL rx Offset	PCC [DL] Ch.	PCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA 141A-141A (1)	LTE B43	15	39750	2506	QPSK	1	74	39750	2506	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.42	14.49
CA 142A-142A (1)	LTE B43	15	39750	2506	QPSK	1	74	39750	2506	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.42	14.49
CA 141A-141C	LTE B43	15	39750	2506	QPSK	1	74	39750	2506	4x4 MIMO	LTE B41	20	41292	2660.2	2x2 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	14.42	14.49
CA 41A-141C	LTE B43	15	39750	2506	QPSK	1	74	39750	2506	2x2 MIMO	LTE B41	20	41292	2660.2	4x4 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	14.34	14.49
CA 41C-141A	LTE B43	15	39750	2506	QPSK	1	74	39750	2506	2x2 MIMO	LTE B41	20	39921	2523.1	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	14.36	14.49
CA 141C-141A	LTE B43	15	39750	2506	QPSK	1	74	39750	2506	4x4 MIMO	LTE B41	20	39921	2523.1	4x4 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	14.44	14.49
CA 141A-141B	LTE B43	15	39750	2506	QPSK	1	74	39750	2506	4x4 MIMO	LTE B41	20	41094	2648.8	2x2 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	14.42	14.49
CA 141B-141A	LTE B43	15	39750	2506	QPSK	1	74	39750	2506	4x4 MIMO	LTE B41	20	41094	2648.8	4x4 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	14.42	14.49

Table 87
Reduced Output Powers – Ant 4A

Combination	PCC Band	PCC BW [MHz]	PCC [UL] Ch.	PCC [UL] Freq. [MHz]	Mod.	PCC										SCC 1				SCC 2				SCC 3				Power	
						PCC UL RB	PCC UL RB Offset	PCC [UL] Ch.	PCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)		
CA {41A}-{41A} (1)	LTE B41	20	40185	2549.5	QPSK	1	50	40185	2549.5	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	-	14.49	14.50					
CA {41A}-{41B}	LTE B41	20	40185	2549.5	QPSK	1	50	40185	2549.5	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	-	14.49	14.50					
CA {41A}-{41C}	LTE B41	20	40185	2549.5	QPSK	1	50	40185	2549.5	4x4 MIMO	LTE B41	20	41292	2660.2	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	14.49	14.50					
CA {41A}-{41C}	LTE B41	20	40185	2549.5	QPSK	1	50	40185	2549.5	2x2 MIMO	LTE B41	20	41292	2660.2	4x4 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	14.41	14.50					
CA {41C}-{41A}	LTE B41	20	40185	2549.5	QPSK	1	50	40185	2549.5	2x2 MIMO	LTE B41	20	40183	2569.3	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	14.42	14.50					
CA {41C}-{41A}	LTE B41	20	40185	2549.5	QPSK	1	50	40185	2549.5	4x4 MIMO	LTE B41	20	40183	2569.3	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	14.48	14.50					
CA {41A}-{41B}	LTE B41	20	40185	2549.5	QPSK	1	50	40185	2549.5	4x4 MIMO	LTE B41	20	41094	2640.3	4x4 MIMO	LTE B41	20	41490	2680.2	2x2 MIMO	LTE B41	20	41490	2680	2x2 MIMO	14.42	14.50		
CA {41A}-{41B}	LTE B41	20	40185	2549.5	QPSK	1	50	40185	2549.5	2x2 MIMO	LTE B41	20	40183	2569.3	2x2 MIMO	LTE B41	20	41490	2680.2	2x2 MIMO	LTE B41	20	41490	2680	2x2 MIMO	14.42	14.50		

Table 88
Reduced Output Powers – Ant 4B

Combination	PCC Band	PCC										SCC 1				SCC 2				SCC 3				Power						
		PCC BW [MHz]	PCC [UL] Ch.	PCC [UL] Freq. [MHz]	Mod.	PCC USF RB	PCC UL RB Offset	PCC [DL] Ch.	PCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	LTE Tx Power with DL CA (dBm)	LTE Single Carrier Tx Power (dBm)			
CA {41A}-41A1	LTE B43	20	40185	2549.5	15QAM	1	0	40185	2549.5	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	15.00	14.97		
CA {41A}-41A1	LTE B41	20	40185	2549.5	15QAM	1	0	40185	2549.5	4x4 MIMO	LTE B43	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	15.00	14.97		
CA {41A}-41C	LTE B41	20	40185	2549.5	15QAM	1	0	40185	2549.5	4x4 MIMO	LTE B41	20	41292	2660.2	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	-	14.97	14.97	
CA 41A-{41C}	LTE B41	20	40185	2549.5	15QAM	1	0	40185	2549.5	2x2 MIMO	LTE B41	20	41292	2660.2	4x4 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	-	-	14.96	14.97	
CA 41C-{41A}	LTE B43	20	40185	2549.5	15QAM	1	0	40185	2549.5	2x2 MIMO	LTE B41	20	40383	2569.3	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	-	-	15.00	14.97	
CA {41C}-41A	LTE B41	20	40185	2549.5	15QAM	1	0	40185	2549.5	4x4 MIMO	LTE B41	20	40383	2569.3	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	-	-	14.96	14.97	
CA {41A}-41D	LTE B41	20	40185	2549.5	15QAM	1	0	40185	2549.5	4x4 MIMO	LTE B41	20	41094	2640.4	2x2 MIMO	LTE B41	20	41292	2660.2	2x2 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	14.96	14.97
CA {41A}-41A	LTE B43	20	40185	2549.5	15QAM	1	0	40185	2549.5	2x2 MIMO	LTE B41	20	40383	2569.3	2x2 MIMO	LTE B41	20	40581	2589.3	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	14.99	14.97

1.4.15 LTE Band 41 PC2 as PCC

Table 89
Reduced Output Powers – Ant 2A

[illegible]

Table 90
Reduced Output Powers – Ant 2B

		PCC										SCC 1				SCC 2				SCC 3				Power					
Combination	PCC Band	PCC BW [MHz]	PCC Ch. [MHz]	PCC (UL) Freq. [MHz]	Mod.	PCC UL RB	PCC UL Int Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)		
CA 1(A) 4(A) 1 (I)	LTE B41 PCC	15	39750	2506	QPSK	-	74	39750	2506	4x4 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CA 1(A) 4(A) 1 (I)	LTE B41 PCC	15	39750	2506	QPSK	-	74	39750	2506	4x4 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CA 4(A) 4(C) 4(C)	LTE B41 PCC	15	39750	2506	QPSK	-	74	39750	2506	4x4 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	-	-
CA 4(A) 4(C) 4(C)	LTE B41 PCC	15	39750	2506	QPSK	-	74	39750	2506	4x4 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	-	-
CA 4(A) 4(C) 4(C)	LTE B41 PCC	15	39750	2506	QPSK	-	74	39750	2506	4x4 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	-	-
CA 4(A) 4(C) 4(C)	LTE B41 PCC	15	39750	2506	QPSK	-	74	39750	2506	4x4 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	-	-
CA 4(A) 4(C) 4(C)	LTE B41 PCC	15	39750	2506	QPSK	-	74	39750	2506	4x4 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	-	-
CA 4(A) 4(C) 4(C)	LTE B41 PCC	15	39750	2506	QPSK	-	74	39750	2506	4x4 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	-	-
CA 4(A) 4(C) 4(C)	LTE B41 PCC	15	39750	2506	QPSK	-	74	39750	2506	4x4 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	-	-
CA 4(A) 4(C) 4(C)	LTE B41 PCC	15	39750	2506	QPSK	-	74	39750	2506	4x4 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	-	-
CA 4(A) 4(C) 4(C)	LTE B41 PCC	15	39750	2506	QPSK	-	74	39750	2506	4x4 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	-	-
CA 4(A) 4(C) 4(C)	LTE B41 PCC	15	39750	2506	QPSK	-	74	39750	2506	4x4 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	-	-
CA 4(A) 4(C) 4(C)	LTE B41 PCC	15	39750	2506	QPSK	-	74	39750	2506	4x4 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	-	-
CA 4(A) 4(C) 4(C)	LTE B41 PCC	15	39750	2506	QPSK	-	74	39750	2506	4x4 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	-	-
CA 4(A) 4(C) 4(C)	LTE B41 PCC	15	39750	2506	QPSK	-	74	39750	2506	4x4 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	-	-
CA 4(A) 4(C) 4(C)	LTE B41 PCC	15	39750	2506	QPSK	-	74	39750	2506	4x4 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	-	-
CA 4(A) 4(C) 4(C)	LTE B41 PCC	15	39750	2506	QPSK	-	74	39750	2506	4x4 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	-	-
CA 4(A) 4(C) 4(C)	LTE B41 PCC	15	39750	2506	QPSK	-	74	39750	2506	4x4 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	-	-
CA 4(A) 4(C) 4(C)	LTE B41 PCC	15	39750	2506	QPSK	-	74	39750	2506	4x4 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	-	-
CA 4(A) 4(C) 4(C)	LTE B41 PCC	15	39750	2506	QPSK	-	74	39750	2506	4x4 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	-	-
CA 4(A) 4(C) 4(C)	LTE B41 PCC	15	39750	2506	QPSK	-	74	39750	2506	4x4 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	-	-
CA 4(A) 4(C) 4(C)	LTE B41 PCC	15	39750	2506	QPSK	-	74	39750	2506	4x4 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	-	-
CA 4(A) 4(C) 4(C)	LTE B41 PCC	15	39750	2506	QPSK	-	74	39750	2506	4x4 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	-	-
CA 4(A) 4(C) 4(C)	LTE B41 PCC	15	39750	2506	QPSK	-	74	39750	2506	4x4 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	-	-
CA 4(A) 4(C) 4(C)	LTE B41 PCC	15	39750	2506	QPSK	-	74	39750	2506	4x4 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	-	-
CA 4(A) 4(C) 4(C)	LTE B41 PCC	15	39750	2506	QPSK	-	74	39750	2506	4x4 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	-	-
CA 4(A) 4(C) 4(C)	LTE B41 PCC	15	39750	2506	QPSK	-	74	39750	2506	4x4 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	-	-
CA 4(A) 4(C) 4(C)	LTE B41 PCC	15	39750	2506	QPSK	-	74	39750	2506	4x4 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	-	-
CA 4(A) 4(C) 4(C)	LTE B41 PCC	15	39750	2506	QPSK	-	74	39750	2506	4x4 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	-	-
CA 4(A) 4(C) 4(C)	LTE B41 PCC	15	39750	2506	QPSK	-	74	39750	2506	4x4 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	-	-
CA 4(A) 4(C) 4(C)	LTE B41 PCC	15	39750	2506	QPSK	-	74	39750	2506	4x4 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	-	-
CA 4(A) 4(C) 4(C)	LTE B41 PCC	15	39750	2506	QPSK	-	74	39750	2506	4x4 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	-	-
CA 4(A) 4(C) 4(C)	LTE B41 PCC	15	39750	2506	QPSK	-	74	39750	2506	4x4 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	-	-
CA 4(A) 4(C) 4(C)	LTE B41 PCC	15	39750	2506	QPSK	-	74	39750	2506	4x4 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	-	-
CA 4(A) 4(C) 4(C)	LTE B41 PCC	15	39750	2506	QPSK	-	74	39750	2506	4x4 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	-	-
CA 4(A) 4(C) 4(C)	LTE B41 PCC	15	39750	2506	QPSK	-	74	39750	2506	4x4 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	-	-
CA 4(A) 4(C) 4(C)	LTE B41 PCC	15	39750	2506	QPSK	-	74	39750	2506	4x4 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	-	-
CA 4(A) 4(C) 4(C)	LTE B41 PCC	15	39750	2506	QPSK	-	74	39750	2506	4x4 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	-	-
CA 4(A) 4(C) 4(C)	LTE B41 PCC	15	39750	2506	QPSK	-	74	39750	2506	4x4 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	-	-
CA 4(A) 4(C) 4(C)	LTE B41 PCC	15	39750	2506	QPSK	-	74	39750	2506	4x4 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	-	-
CA 4(A) 4(C) 4(C)	LTE B41 PCC	15	39750	2506	QPSK	-	74	39750	2506	4x4 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	-	-
CA 4(A) 4(C) 4(C)	LTE B41 PCC	15	39750	2506	QPSK	-	74	39750	2506	4x4 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	-	-
CA 4(A) 4(C) 4(C)	LTE B41 PCC	15	39750	2506	QPSK	-	74	39750	2506	4x4 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	-	-
CA 4(A) 4(C) 4(C)	LTE B41 PCC	15	39750	2506	QPSK	-	74	39750	2506	4x4 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	-	-
CA 4(A) 4(C) 4(C)	LTE B41 PCC	15	39750	2506	QPSK	-	74	39750	2506	4x4 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	-	-
CA 4(A) 4(C) 4(C)	LTE B41 PCC	15	39750																										

FCC ID: BCGA1934	 SAR EVALUATION REPORT	Reviewed by: Quality Manager
Test Dates: 1C1806220015-01.BCG	DUT Type: Tablet Device	APPENDIX H: Page 34 of 37

Table 91
Reduced Output Powers – Ant 4A

Combination	PCC										SCC 1				SCC 2				SCC 3				Power						
	PCC Band	PCC BW [MHz]	PCC [UL/DL] Ch.	PCC [UL] Freq. [MHz]	Mod.	PCC UL RB	PCC UL RB Offset	PCC [DL] Ch.	PCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)		
CA 41A-41A(1)	LTE B41 PC2	20	39750	2506	16QAM	1	99	39750	2506	4x4 MIMO	LTE B41 PC2	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.45	14.50	
CA 41A-41A(1)	LTE B41 PC2	20	39750	2506	16QAM	1	99	39750	2506	2x2 MIMO	LTE B41 PC2	20	41490	2680	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.46	14.50	
CA 41A-41C	LTE B41 PC2	20	39750	2506	16QAM	1	99	39750	2506	4x4 MIMO	LTE B41 PC2	20	41292	2660.2	2x2 MIMO	LTE B41 PC2	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	-	14.45	14.50
CA 41A-41C	LTE B41 PC2	20	39750	2506	16QAM	1	99	39750	2506	2x2 MIMO	LTE B41 PC2	20	41292	2660.2	4x4 MIMO	LTE B41 PC2	20	41490	2680	4x4 MIMO	-	-	-	-	-	-	-	14.44	14.50
CA 41C-41A	LTE B41 PC2	20	39750	2506	16QAM	1	99	39750	2506	2x2 MIMO	LTE B41 PC2	20	39948	2525.8	2x2 MIMO	LTE B41 PC2	20	41490	2680	4x4 MIMO	-	-	-	-	-	-	-	14.49	14.50
CA 41C-41A	LTE B41 PC2	20	39750	2506	16QAM	1	99	39750	2506	4x4 MIMO	LTE B41 PC2	20	39948	2525.8	4x4 MIMO	LTE B41 PC2	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	-	14.47	14.50
CA 41A-41D	LTE B41 PC2	20	39750	2506	16QAM	1	99	39750	2506	4x4 MIMO	LTE B41 PC2	20	41094	2640.4	2x2 MIMO	LTE B41 PC2	20	41292	2660.2	2x2 MIMO	LTE B41 PC2	20	41490	2680	2x2 MIMO	-	-	14.48	14.50
CA 41D-41A	LTE B41 PC2	20	39750	2506	16QAM	1	99	39750	2506	2x2 MIMO	LTE B41 PC2	20	39948	2525.8	2x2 MIMO	LTE B41 PC2	20	40186	2545.5	2x2 MIMO	LTE B41 PC2	20	41490	2680	4x4 MIMO	-	-	14.49	14.50

Table 92
Reduced Output Powers – Ant 4B

Combination	PCC Band	PCC BW [MHz]	PCC [UL/DL] Ch.	PCC						SCC 1				SCC 2				SCC 3				Power							
				PCC [UL] Freq. [MHz]	Mod.	PCC UL RB	PCC UL RB Offset	PCC [DL] Ch.	PCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)		
CA 41A-41A(1)	LTE B41 PC2	5	39750	2506	16QAM	1	0	39750	2506	4x4 MIMO	LTE B41 PC2	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.98	14.98	
CA 41A-41A(1)	LTE B41 PC2	5	39750	2506	16QAM	1	0	39750	2506	2x2 MIMO	LTE B41 PC2	20	41490	2680	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.92	14.98	
CA 41A-41C	LTE B41 PC2	5	39750	2506	16QAM	1	0	39750	2506	4x4 MIMO	LTE B41 PC2	20	41292	2660.2	2x2 MIMO	LTE B41 PC2	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	-	14.79	14.98
CA 41A-41C	LTE B41 PC2	5	39750	2506	16QAM	1	0	39750	2506	2x2 MIMO	LTE B41 PC2	20	41292	2660.2	4x4 MIMO	LTE B41 PC2	20	41490	2680	4x4 MIMO	-	-	-	-	-	-	-	14.74	14.98
CA 41C-41A	LTE B41 PC2	5	39750	2506	16QAM	1	0	39750	2506	2x2 MIMO	LTE B41 PC2	20	39867	2517.7	2x2 MIMO	LTE B41 PC2	20	41490	2680	4x4 MIMO	-	-	-	-	-	-	-	14.78	14.98
CA 41C-41A	LTE B41 PC2	5	39750	2506	16QAM	1	0	39750	2506	4x4 MIMO	LTE B41 PC2	20	39867	2517.7	4x4 MIMO	LTE B41 PC2	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	-	14.82	14.98
CA 41A-41D	LTE B41 PC2	5	39750	2506	16QAM	1	0	39750	2506	4x4 MIMO	LTE B41 PC2	20	41094	2640.4	2x2 MIMO	LTE B41 PC2	20	41292	2660.2	2x2 MIMO	LTE B41 PC2	20	41490	2680	2x2 MIMO	-	-	14.81	14.98
CA 41D-41A	LTE B41 PC2	20	40185	2549.5	QPSK	1	0	40185	2549.5	2x2 MIMO	LTE B41 PC2	20	40383	2569.3	2x2 MIMO	LTE B41 PC2	20	40581	2589.1	2x2 MIMO	LTE B41 PC2	20	41490	2680	4x4 MIMO	-	-	14.98	14.98

1.5 Downlink Carrier Aggregation with CA_41C and & CA_7C Uplink Carrier Aggregation enabled

This device supports uplink carrier aggregation (ULCA) for CA_41C and CA_7C with additional Carrier Aggregation configurations active in the downlink. Power measurements were performed with ULCA CA_41C or ULCA CA_7C active and additional CA configurations active in the downlink for the configuration required for ULCA CA_41C and ULCA CA_7C per Fall 2017 TCB Workshop Notes.

Per FCC Guidance, additional SAR measurements for these configurations were not required since their maximum output power was not more than 0.25 dB higher than the maximum output power for ULCA with only CA_41C or CA_7C active.

1.5.1 DL Carrier Aggregation RF Conducted Powers

Table 93
Reduced Output Powers – Ant 2A

Combination	PCC										SCC1				SCC2				SCC3				SCC4				Power		
	PCC Band	PCC Bandwidth [MHz]	PCC [UL/DL] Channel	PCC [UL/DL] Frequency [MHz]	Modulation	PCC UL RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC [UL/DL] Channel	SCC [UL/DL] Frequency [MHz]	Modulation	SCC UL RB	SCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	SCC Band	SCC Bandwidth [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	SCC Band	SCC Bandwidth [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	ULCA Tx Power with add'l CA configuration active in DL (dBm)	ULCA Tx Power (dBm)	
CA_41C-41A	LTE B41	20	40620	2593	QPSK	50	0	LTE B41	20	40422	2573.2	QPSK	50	50	LTE B41	20	41490	2680	-	-	-	-	-	-	-	-	-	14.73	14.76
CA_41D	LTE B41	20	40620	2593	QPSK	50	0	LTE B41	20	40422	2573.2	QPSK	50	50	LTE B41	20	40818	2612.8	-	-	-	-	-	-	-	-	-	14.75	14.76
CA_41E	LTE B41	20	40620	2593	QPSK	50	0	LTE B41	20	40422	2573.2	QPSK	50	50	LTE B41	20	40818	2612.8	LTE B41	20	41016	2632.6	-	-	-	-	-	14.77	14.76
CA_41C-41C	LTE B41	20	40620	2593	QPSK	50	0	LTE B41	20	40422	2573.2	QPSK	50	50	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	-	-	-	14.76	14.76
CA_41D-41A	LTE B41	20	40620	2593	QPSK	50	0	LTE B41	20	40422	2573.2	QPSK	50	50	LTE B41	20	40818	2612.8	LTE B41	20	41490	2680	-	-	-	-	-	14.76	14.76
CA_41C-41D	LTE B41	20	40620	2593	QPSK	50	0	LTE B41	20	40422	2573.2	QPSK	50	50	LTE B41	20	41094	2640.4	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	14.75	14.76
CA_41D-41C	LTE B41	20	40620	2593	QPSK	50	0	LTE B41	20	40422	2573.2	QPSK	50	50	LTE B41	20	40818	2612.8	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	14.73	14.76

Table 94
Reduced Output Powers – Ant 2B

Combination	PCC										SCC1				SCC2				SCC3				SCC4				Power		
	PCC Band	PCC Bandwidth [MHz]	PCC [UL/DL] Channel	PCC [UL/DL] Frequency [MHz]	Modulation	PCC UL RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC [UL/DL] Channel	SCC [UL/DL] Frequency [MHz]	Modulation	SCC UL RB	SCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	SCC Band	SCC Bandwidth [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	SCC Band	SCC Bandwidth [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	ULCA Tx Power with add'l CA configuration active in DL (dBm)	ULCA Tx Power (dBm)	
CA 41C-41A	LTE B41	20	40185	2549.5	QPSK	1	0	LTE B41	20	39987	2529.7	QPSK	1	99	LTE B41	20	41490	2680	-	-	-	-	-	-	-	-	14.05	14.07	
CA 41D	LTE B41	20	40185	2549.5	QPSK	1	0	LTE B41	20	39987	2529.7	QPSK	1	99	LTE B41	20	40383	2569.3	LTE B41	20	40581	2589.1	-	-	-	-	-	14.02	14.07
CA 41E	LTE B41	20	40185	2549.5	QPSK	1	0	LTE B41	20	39987	2529.7	QPSK	1	99	LTE B41	20	40383	2569.3	LTE B41	20	40581	2589.1	-	-	-	-	-	14.03	14.07
CA 41C-41C	LTE B41	20	40185	2549.5	QPSK	1	0	LTE B41	20	39987	2529.7	QPSK	1	99	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	-	-	-	14.04	14.07
CA 41D-41A	LTE B41	20	40185	2549.5	QPSK	1	0	LTE B41	20	39987	2529.7	QPSK	1	99	LTE B41	20	40383	2569.3	LTE B41	20	41490	2680	-	-	-	-	-	14.03	14.07
CA 41C-41D	LTE B41	20	40185	2549.5	QPSK	1	0	LTE B41	20	39987	2529.7	QPSK	1	99	LTE B41	20	41094	2640.4	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	14.05	14.07
CA 41D-41C	LTE B41	20	40185	2549.5	QPSK	1	0	LTE B41	20	39987	2529.7	QPSK	1	99	LTE B41	20	40383	2569.3	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	14.06	14.07

FCC ID: BCGA1934		SAR EVALUATION REPORT	Reviewed by: Quality Manager
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Table 95
Reduced Output Powers – Ant 4A

Combination	PCC										SCC1				SCC2				SCC3				SCC4				Power	
	PCC Band	PCC Bandwidth [MHz]	PCC (UL/DL) Channel	PCC (UL/DL) Frequency [MHz]	Modulation	PCC UL RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC (UL/DL) Channel	SCC (UL/DL) Frequency [MHz]	Modulation	SCC UL RB	SCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC (UL/DL) Channel	SCC DL Frequency [MHz]	SCC Band	SCC Bandwidth [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	SCC Band	SCC Bandwidth [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	ULCA Tx. Power with add'l CA configuration active in DL (dBm)	ULCA Tx. Power (dBm)
CA_41C-41A	LTE B41	20	40185	2549.5	QPSK	50	0	LTE B41	20	39987	2529.7	QPSK	50	50	LTE B41	20	41490	2680	-	-	-	-	-	-	-	-	14.05	14.08
CA_41D	LTE B41	20	40185	2549.5	QPSK	50	0	LTE B41	20	39987	2529.7	QPSK	50	50	LTE B41	20	40383	2569.3	-	-	-	-	-	-	-	-	14.05	14.08
CA_41E	LTE B41	20	40185	2549.5	QPSK	50	0	LTE B41	20	39987	2529.7	QPSK	50	50	LTE B41	20	40383	2569.3	LTE B41	20	40383	2569.3	-	-	-	-	14.02	14.08
CA_41C-41C	LTE B41	20	40185	2549.5	QPSK	50	0	LTE B41	20	39987	2529.7	QPSK	50	50	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	-	-	13.96	14.08
CA_41D-41A	LTE B41	20	40185	2549.5	QPSK	50	0	LTE B41	20	39987	2529.7	QPSK	50	50	LTE B41	20	40383	2569.3	LTE B41	20	41490	2680	-	-	-	-	14.07	14.08
CA_41C-41D	LTE B41	20	40185	2549.5	QPSK	50	0	LTE B41	20	39987	2529.7	QPSK	50	50	LTE B41	20	41094	2640.4	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	14.06	14.08
CA_41D-41C	LTE B41	20	40185	2549.5	QPSK	50	0	LTE B41	20	39987	2529.7	QPSK	50	50	LTE B41	20	40383	2569.3	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	14.04	14.08

Table 96
Reduced Output Powers – Ant 4B

Combination	PCC										SCC1				SCC2				SCC3				SCC4				Power	
	PCC Band	PCC Bandwidth [MHz]	PCC (UL/DL) Channel	PCC (UL/DL) Frequency [MHz]	Modulation	PCC UL RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC (UL/DL) Channel	SCC (UL/DL) Frequency [MHz]	Modulation	SCC UL RB	SCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC (UL/DL) Channel	SCC DL Frequency [MHz]	SCC Band	SCC Bandwidth [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	SCC Band	SCC Bandwidth [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	ULCA Tx. Power with add'l CA configuration active in DL (dBm)	ULCA Tx. Power (dBm)
CA_41C-41A	LTE B41	20	40620	2593	QPSK	50	0	LTE B41	20	40422	2573.2	QPSK	50	50	LTE B41	20	41490	2680	-	-	-	-	-	-	-	-	14.69	14.70
CA_41D	LTE B41	20	40620	2593	QPSK	50	0	LTE B41	20	40422	2573.2	QPSK	50	50	LTE B41	20	40818	2612.8	-	-	-	-	-	-	-	-	14.67	14.70
CA_41E	LTE B41	20	40620	2593	QPSK	50	0	LTE B41	20	40422	2573.2	QPSK	50	50	LTE B41	20	40818	2612.8	LTE B41	20	41016	2632.6	-	-	-	-	14.64	14.70
CA_41C-41C	LTE B41	20	40620	2593	QPSK	50	0	LTE B41	20	40422	2573.2	QPSK	50	50	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	-	-	14.66	14.70
CA_41D-41A	LTE B41	20	40620	2593	QPSK	50	0	LTE B41	20	40422	2573.2	QPSK	50	50	LTE B41	20	40818	2612.8	LTE B41	20	41490	2680	-	-	-	-	14.63	14.70
CA_41C-41D	LTE B41	20	40620	2593	QPSK	50	0	LTE B41	20	40422	2573.2	QPSK	50	50	LTE B41	20	41094	2640.4	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	14.67	14.70
CA_41D-41C	LTE B41	20	40620	2593	QPSK	50	0	LTE B41	20	40422	2573.2	QPSK	50	50	LTE B41	20	40818	2612.8	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	14.66	14.70

1.5.2 DL Carrier Aggregation with DL 4x4 MIMO RF Conducted Powers

Note: 4x4 DL MIMO is only operating in the downlink. Uplink transmission is limited to a single output stream for each component carrier of ULCA CA_41C or ULCA CA_7C.

1.5.2.1 LTE Band 41

Table 97
Reduced Output Powers – Ant 2A

Combination	PCC										SCC1						SCC2				SCC3				Power			
	PCC Band	PCC Bandwidth [MHz]	PCC (UL/DL) Channel	PCC (UL/DL) Frequency [MHz]	Modulation	PCC UL RB	PCC UL RB Offset	DL Ant. Config.	SCC Band	SCC Bandwidth [MHz]	SCC (UL/DL) Channel	SCC (UL/DL) Frequency [MHz]	Modulation	SCC UL RB	SCC UL RB Offset	DL Ant. Config.	SCC Band	SCC Bandwidth [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	DL Ant. Config.	SCC Band	SCC Bandwidth [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	DL Ant. Config.	ULCA Tx. Power with add'l CA configuration active in DL (dBm)	ULCA Tx. Power (dBm)
CA_41C1-11	LTE B41	20	40620	2593	QPSK	50	0	4x4 MIMO	LTE B41	20	40422	2573.2	QPSK	50	50	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.78	14.76
CA_41C1-41A1	LTE B41	20	40620	2593	QPSK	50	0	2x2 MIMO	LTE B41	20	40422	2573.2	QPSK	50	50	4x4 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	14.80	14.76
CA_41C1-41A1	LTE B41	20	40620	2593	QPSK	50	0	4x4 MIMO	LTE B41	20	40422	2573.2	QPSK	50	50	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	14.75	14.76
CA_41D1-41A1	LTE B41	20	40620	2593	QPSK	50	0	2x2 MIMO	LTE B41	20	40422	2573.2	QPSK	50	50	2x2 MIMO	LTE B41	20	40224	2553.4	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	14.77	14.76

Table 98
Reduced Output Powers – Ant 2B

Combination	PCC										SCC1					SCC2					SCC3					Power		
	PCC Band	PCC Bandwidth [MHz]	PCC (UL/DL) Channel	PCC (UL/DL) Frequency [MHz]	Modulation	PCC UL RB	PCC UL RB Offset	DL Ant. Config.	SCC Band	SCC Bandwidth [MHz]	SCC (UL/DL) Channel	SCC (UL/DL) Frequency [MHz]	Modulation	SCC UL RB	SCC UL RB Offset	DL Ant. Config.	SCC Band	SCC Bandwidth [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	DL Ant. Config.	SCC Band	SCC Bandwidth [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	DL Ant. Config.	ULCA Tx. Power with add'l CA configuration active in DL (dBm)	ULCA Tx. Power (dBm)
CA_41C1-11	LTE B41	20	40185	2549.5	QPSK	1	0	4x4 MIMO	LTE B41	20	39987	2529.7	QPSK	1	99	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.21	14.07
CA_41C1-41A1	LTE B41	20	40185	2549.5	QPSK	1	0	2x2 MIMO	LTE B41	20	39987	2529.7	QPSK	1	99	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	14.15	14.07
CA_41C1-41A1	LTE B41	20	40185	2549.5	QPSK	1	0	4x4 MIMO	LTE B41	20	39987	2529.7	QPSK	1	99	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	14.19	14.07
CA_41D1-41A1	LTE B41	20	40185	2549.5	QPSK	1	0	2x2 MIMO	LTE B41	20	39987	2529.7	QPSK	1	99	2x2 MIMO	LTE B41	20	40383	2569.3	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	14.16	14.07

Table 99
Reduced Output Powers – Ant 4A

Combination	PCC										SCC1						SCC2						SCC3						Power	
	PCC Band	PCC Bandwidth [MHz]	PCC (UL/DL) Channel	PCC (UL/DL) Frequency [MHz]	Modulation	PCC UL RB	PCC UL RB Offset	DL Ant. Config.	SCC Band	SCC Bandwidth [MHz]	SCC (UL/DL) Channel	SCC (UL/DL) Frequency [MHz]	Modulation	SCC UL RB	SCC UL RB Offset	DL Ant. Config.	SCC Band	SCC Bandwidth [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	DL Ant. Config.	SCC Band	SCC Bandwidth [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	DL Ant. Config.	ULCA Tx Power with add'l CA configuration active in DL (dBm)	ULCA Tx Power (dBm)		
CA_41C1-11	LTE B41	20	40185	2549.5	QPSK	50	0	4x4 MIMO	LTE B41	20	39987	2529.7	QPSK	50	50	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.27	14.08		
CA_41C1-41A1	LTE B41	20	40185	2549.5	QPSK	50	0	2x2 MIMO	LTE B41	20	39987	2529.7	QPSK	50	50	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	14.29	14.08		
CA_41C1-41A1	LTE B41	20	40185	2549.5	QPSK	50	0	4x4 MIMO	LTE B41	20	39987	2529.7	QPSK	50	50	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	14.28	14.08		
CA_41D1-41A1	LTE B41	20	40185	2549.5	QPSK	50	0	2x2 MIMO	LTE B41	20	39987	2529.7	QPSK	50	50	2x2 MIMO	LTE B41	20	40383	2569.3	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	14.26	14.08		

Table 100
Reduced Output Powers – Ant 4B

Combination	PCC										SCC1						SCC2						SCC3						Power	
	PCC Band	PCC Bandwidth [MHz]	PCC (UL/DL) Channel	PCC (UL/DL) Frequency [MHz]	Modulation	PCC UL RB	PCC UL RB Offset	DL Ant. Config.	SCC Band	SCC Bandwidth [MHz]	SCC (UL/DL) Channel	SCC (UL/DL) Frequency [MHz]	Modulation	SCC UL RB	SCC UL RB Offset	DL Ant. Config.	SCC Band	SCC Bandwidth [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	DL Ant. Config.	SCC Band	SCC Bandwidth [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	DL Ant. Config.	ULCA Tx. Power with add'l CA configuration active in DL (dBm)	ULCA Tx. Power (dBm)		
CA_41C1-11	LTE B41	20	40620	2593	QPSK	50	0	4x4 MIMO	LTE B41	20	40422	2573.2	QPSK	50	50	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.67	14.70		
CA_41C1-41A1	LTE B41	20	40620	2593	QPSK	50	0	2x2 MIMO	LTE B41	20	40422	2573.2	QPSK	50	50	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	14.69	14.70		
CA_41C1-41A1	LTE B41	20	40620	2593	QPSK	50	0	4x4 MIMO	LTE B41	20	40422	2573.2	QPSK	50	50	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	14.66	14.70		
CA_41D1-41A1	LTE B41	20	40620	2593	QPSK	50	0	2x2 MIMO	LTE B41	20	40422	2573.2	QPSK	50	50	2x2 MIMO	LTE B41	20	40818	2612.8	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	14.68	14.70		

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1.5.2.2 LTE Band 7

Table 101
Reduced Output Powers – Ant 2A

	PCC										SCC										Power	
Combination	PCC Band	PCC Bandwidth [MHz]	PCC UL Channel	PCC UL Frequency [MHz]	PCC DL Channel	PCC DL Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	DL Ant. Config.	SCC Band	SCC Bandwidth [MHz]	SCC UL Channel	SCC UL Frequency [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	Modulation	SCC UL RB	SCC UL RB Offset	DL Ant. Config.	ULCA Tx. Power with add'l CA configuration active in DL (dbm)	ULCA Tx. Power (dbm)
CA_7C (1)	LTE B7	20	21350	2560.0	3350	2680.0	QPSK	1	0	4x4 MIMO	LTE B7	20	21152	2540.2	3152	2660.2	QPSK	1	99	4x4 MIMO	11.99	12.00

Table 102
Reduced Output Powers – Ant 2B

	PCC										SCC										Power	
Combination	PCC Band	PCC Bandwidth [MHz]	PCC UL Channel	PCC UL Frequency [MHz]	PCC DL Channel	PCC DL Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	DL Ant. Config.	SCC Band	SCC Bandwidth [MHz]	SCC UL Channel	SCC UL Frequency [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	Modulation	SCC UL RB	SCC UL RB Offset	DL Ant. Config.	ULCA Tx. Power with add'l CA configuration active in DL (dBm)	ULCA Tx. Power (dBm)
CA_7C (1)	LTE B7	20	21100	2535.0	3100	2655.0	QPSK	1	0	4x4 MIMO	LTE B7	20	20902	2515.2	2902	2635.2	QPSK	1	99	4x4 MIMO	12.30	12.27

Table 103
Reduced Output Powers – Ant 4A

	PCC										SCC										Power	
Combination	PCC Band	PCC Bandwidth [MHz]	PCC UL Channel	PCC UL Frequency [MHz]	PCC DL Channel	PCC DL Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	DL Ant. Config.	SCC Band	SCC Bandwidth [MHz]	SCC UL Channel	SCC UL Frequency [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	Modulation	SCC UL RB	SCC UL RB Offset	DL Ant. Config.	ULCA Tx. Power with add'l CA configuration active in DL (dBm)	ULCA Tx. Power (dBm)
CA_7C (1)	LTE B7	20	21100	2535.0	3100	2655.0	QPSK	50	0	4x4 MIMO	LTE B7	20	20902	2515.2	2902	2635.2	QPSK	50	50	4x4 MIMO	11.82	11.89

Table 104
Reduced Output Powers – Ant 4B

	PCC										SCC							Power				
Combination	PCC Band	PCC Bandwidth [MHz]	PCC UL Channel	PCC UL Frequency [MHz]	PCC DL Channel	PCC DL Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	DL Ant. Config.	SCC Band	SCC Bandwidth [MHz]	SCC UL Channel	SCC UL Frequency [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	Modulation	SCC UL RB	SCC UL RB Offset	DL Ant. Config.	ULCA Tx. Power with add'l CA configuration active in DL (dbm)	ULCA Tx. Power (dbm)
CA_7C (1)	LTE B7	20	21350	2560.0	3350	2680.0	QPSK	50	0	4x4 MIMO	LTE B7	20	21152	2540.2	3152	2660.2	QPSK	50	50	4x4 MIMO	11.86	12.00

FCC ID: BCGA1934	 PCTEST ENGINEERING LABORATORY, INC.	SAR EVALUATION REPORT	Reviewed by: Quality Manager
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