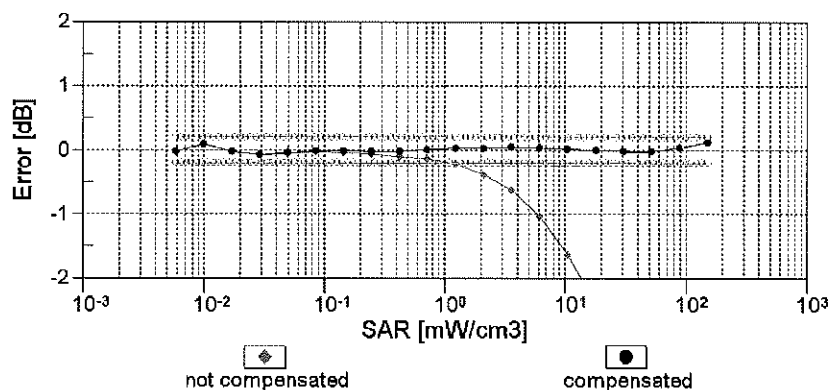
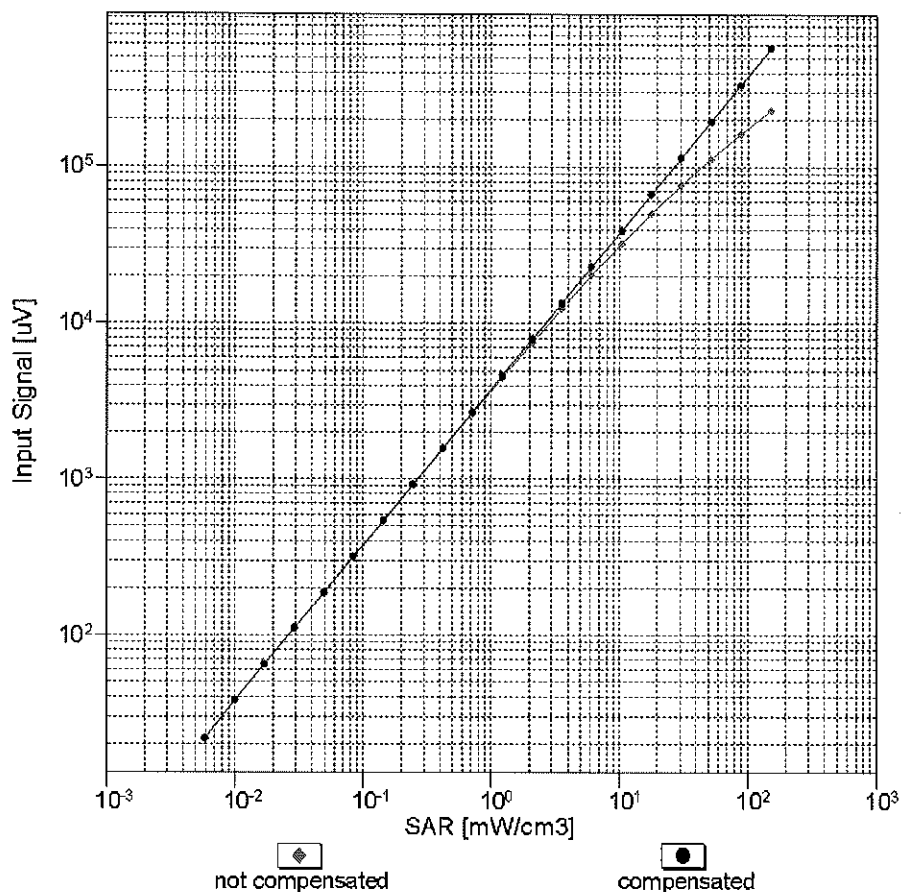
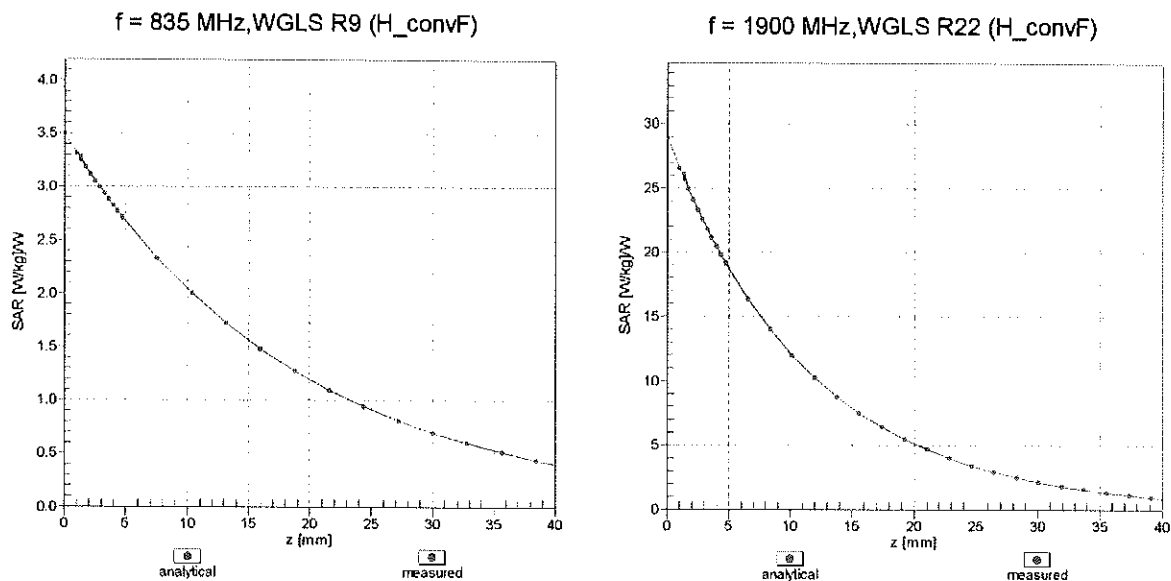


Dynamic Range $f(\text{SAR}_{\text{head}})$ (TEM cell , $f_{\text{eval}} = 1900 \text{ MHz}$)



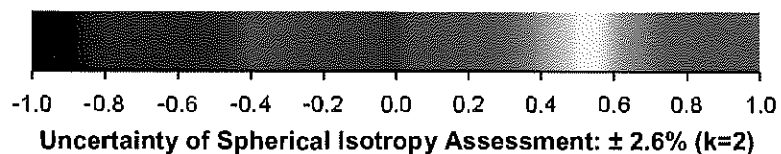
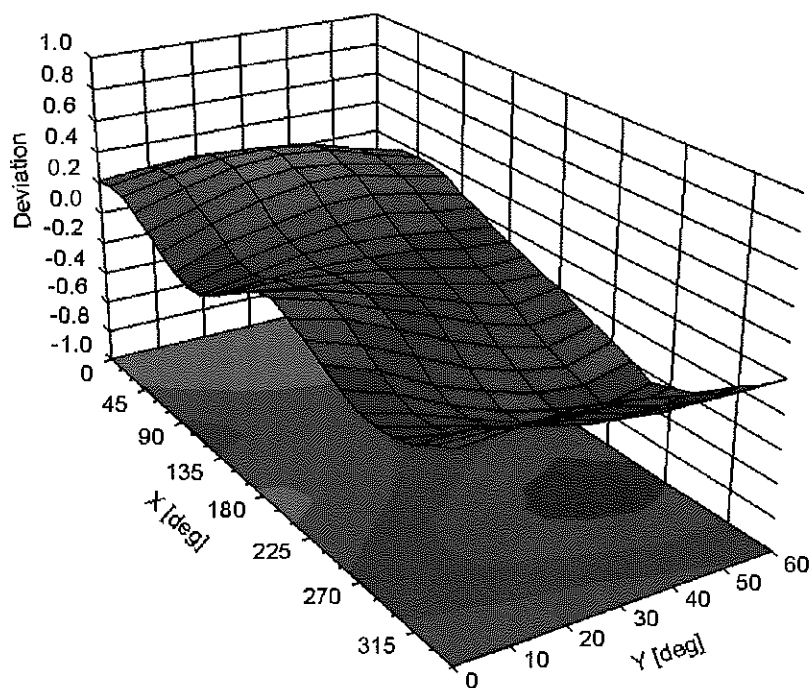
Uncertainty of Linearity Assessment: $\pm 0.6\%$ ($k=2$)

Conversion Factor Assessment



Deviation from Isotropy in Liquid

Error (ϕ, ϑ), $f = 900 \text{ MHz}$



DASY/EASY - Parameters of Probe: EX3DV4 - SN:7416

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	-25.3
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm

Appendix: Modulation Calibration Parameters

UID	Communication System Name		A dB	B dB/μV	C	D dB	VR mV	Max Unc ^E (k=2)
0	CW	X	0.00	0.00	1.00	0.00	149.4	± 3.3 %
		Y	0.00	0.00	1.00		140.2	
		Z	0.00	0.00	1.00		147.9	
10010- CAA	SAR Validation (Square, 100ms, 10ms)	X	1.77	64.87	9.11	10.00	20.0	± 9.6 %
		Y	1.63	63.41	8.37		20.0	
		Z	1.76	64.55	8.94		20.0	
10011- CAB	UMTS-FDD (WCDMA)	X	1.21	72.37	17.53	0.00	150.0	± 9.6 %
		Y	0.82	64.46	12.98		150.0	
		Z	0.96	66.91	14.78		150.0	
10012- CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	X	1.14	65.01	16.27	0.41	150.0	± 9.6 %
		Y	1.05	62.41	14.04		150.0	
		Z	1.12	63.56	15.01		150.0	
10013- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	X	4.63	67.24	17.52	1.46	150.0	± 9.6 %
		Y	4.63	66.45	16.87		150.0	
		Z	4.71	66.75	17.07		150.0	
10021- DAC	GSM-FDD (TDMA, GMSK)	X	100.00	114.11	26.55	9.39	50.0	± 9.6 %
		Y	100.00	109.62	24.58		50.0	
		Z	100.00	111.08	25.19		50.0	
10023- DAC	GPRS-FDD (TDMA, GMSK, TN 0)	X	100.00	112.70	25.96	9.57	50.0	± 9.6 %
		Y	100.00	108.79	24.27		50.0	
		Z	100.00	110.19	24.84		50.0	
10024- DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	X	100.00	120.02	28.01	6.56	60.0	± 9.6 %
		Y	100.00	111.41	24.12		60.0	
		Z	100.00	114.41	25.59		60.0	
10025- DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	X	8.40	100.18	43.08	12.57	50.0	± 9.6 %
		Y	3.56	67.47	25.23		50.0	
		Z	6.34	88.37	36.90		50.0	
10026- DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	X	6.98	91.66	34.92	9.56	60.0	± 9.6 %
		Y	5.10	80.82	29.16		60.0	
		Z	6.93	89.58	33.16		60.0	
10027- DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	X	100.00	130.74	31.67	4.80	80.0	± 9.6 %
		Y	100.00	114.42	24.52		80.0	
		Z	100.00	119.79	27.11		80.0	
10028- DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	X	100.00	148.32	37.98	3.55	100.0	± 9.6 %
		Y	100.00	117.49	25.01		100.0	
		Z	100.00	127.11	29.41		100.0	
10029- DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	X	4.35	78.88	28.05	7.80	80.0	± 9.6 %
		Y	3.59	72.82	24.31		80.0	
		Z	4.33	77.60	26.71		80.0	
10030- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	X	100.00	119.14	27.08	5.30	70.0	± 9.6 %
		Y	100.00	109.23	22.63		70.0	
		Z	100.00	113.47	24.71		70.0	
10031- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	X	100.00	161.91	40.82	1.88	100.0	± 9.6 %
		Y	100.00	96.93	15.49		100.0	
		Z	100.00	123.29	26.32		100.0	

10032-CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	X	100.00	280.92	82.03	1.17	100.0	± 9.6 %
		Y	0.12	60.00	4.04		100.0	
		Z	100.00	135.50	29.96		100.0	
10033-CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	X	100.00	128.03	33.18	5.30	70.0	± 9.6 %
		Y	7.89	90.52	23.51		70.0	
		Z	61.16	122.77	32.75		70.0	
10034-CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	X	100.00	117.76	27.00	1.88	100.0	± 9.6 %
		Y	1.49	69.12	13.56		100.0	
		Z	3.50	80.40	18.67		100.0	
10035-CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	X	6.88	86.78	18.70	1.17	100.0	± 9.6 %
		Y	1.08	66.04	11.73		100.0	
		Z	1.93	73.40	15.69		100.0	
10036-CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	X	100.00	128.79	33.51	5.30	70.0	± 9.6 %
		Y	12.46	97.66	25.74		70.0	
		Z	100.00	130.93	34.74		70.0	
10037-CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	X	62.76	112.55	25.87	1.88	100.0	± 9.6 %
		Y	1.37	68.27	13.18		100.0	
		Z	2.98	78.43	17.97		100.0	
10038-CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	X	8.30	89.45	19.68	1.17	100.0	± 9.6 %
		Y	1.08	66.20	11.94		100.0	
		Z	1.95	73.76	15.98		100.0	
10039-CAB	CDMA2000 (1xRTT, RC1)	X	0.88	65.39	10.07	0.00	150.0	± 9.6 %
		Y	0.87	63.82	9.91		150.0	
		Z	1.31	68.61	13.02		150.0	
10042-CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	X	100.00	110.34	24.10	7.78	50.0	± 9.6 %
		Y	100.00	105.89	22.09		50.0	
		Z	100.00	108.02	23.10		50.0	
10044-CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	X	0.01	123.11	1.52	0.00	150.0	± 9.6 %
		Y	0.01	119.53	3.43		150.0	
		Z	0.00	101.85	5.28		150.0	
10048-CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	X	100.00	106.52	24.67	13.80	25.0	± 9.6 %
		Y	32.57	91.78	20.89		25.0	
		Z	100.00	105.11	24.06		25.0	
10049-CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	X	1149.99	136.06	30.09	10.79	40.0	± 9.6 %
		Y	85.21	104.98	23.36		40.0	
		Z	420.34	123.09	27.26		40.0	
10056-CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	X	100.00	123.43	32.32	9.03	50.0	± 9.6 %
		Y	100.00	121.65	31.62		50.0	
		Z	100.00	123.95	32.75		50.0	
10058-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	X	3.53	74.19	24.94	6.55	100.0	± 9.6 %
		Y	3.03	69.69	21.96		100.0	
		Z	3.51	73.08	23.72		100.0	
10059-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	X	1.18	66.36	17.11	0.61	110.0	± 9.6 %
		Y	1.05	63.01	14.46		110.0	
		Z	1.13	64.45	15.58		110.0	
10060-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	X	100.00	153.23	41.70	1.30	110.0	± 9.6 %
		Y	1.65	79.63	20.25		110.0	
		Z	14.24	114.10	31.29		110.0	

10061-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	X	4.44	94.01	28.61	2.04	110.0	± 9.6 %
		Y	1.48	71.54	18.86		110.0	
		Z	2.17	78.36	22.10		110.0	
10062-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	X	4.41	67.11	16.83	0.49	100.0	± 9.6 %
		Y	4.42	66.37	16.23		100.0	
		Z	4.51	66.70	16.45		100.0	
10063-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	X	4.44	67.26	16.97	0.72	100.0	± 9.6 %
		Y	4.44	66.46	16.33		100.0	
		Z	4.52	66.80	16.56		100.0	
10064-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	X	4.66	67.43	17.15	0.86	100.0	± 9.6 %
		Y	4.68	66.69	16.56		100.0	
		Z	4.77	67.02	16.77		100.0	
10065-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	X	4.54	67.28	17.27	1.21	100.0	± 9.6 %
		Y	4.55	66.53	16.64		100.0	
		Z	4.64	66.88	16.86		100.0	
10066-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	X	4.54	67.27	17.43	1.46	100.0	± 9.6 %
		Y	4.56	66.53	16.81		100.0	
		Z	4.65	66.89	17.03		100.0	
10067-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	X	4.83	67.58	17.95	2.04	100.0	± 9.6 %
		Y	4.85	66.84	17.32		100.0	
		Z	4.94	67.15	17.53		100.0	
10068-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	X	4.87	67.55	18.17	2.55	100.0	± 9.6 %
		Y	4.87	66.73	17.49		100.0	
		Z	4.96	67.06	17.70		100.0	
10069-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	X	4.92	67.54	18.34	2.67	100.0	± 9.6 %
		Y	4.94	66.78	17.69		100.0	
		Z	5.03	67.10	17.91		100.0	
10071-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	X	4.73	67.33	17.85	1.99	100.0	± 9.6 %
		Y	4.72	66.52	17.18		100.0	
		Z	4.80	66.81	17.37		100.0	
10072-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	X	4.68	67.58	18.08	2.30	100.0	± 9.6 %
		Y	4.66	66.72	17.36		100.0	
		Z	4.75	67.06	17.58		100.0	
10073-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	X	4.75	67.85	18.49	2.83	100.0	± 9.6 %
		Y	4.71	66.88	17.70		100.0	
		Z	4.80	67.22	17.92		100.0	
10074-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	X	4.77	67.84	18.69	3.30	100.0	± 9.6 %
		Y	4.71	66.81	17.86		100.0	
		Z	4.79	67.13	18.08		100.0	
10075-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	X	4.79	67.83	18.96	3.82	90.0	± 9.6 %
		Y	4.72	66.78	18.11		90.0	
		Z	4.80	67.13	18.34		90.0	
10076-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	X	4.82	67.68	19.13	4.15	90.0	± 9.6 %
		Y	4.76	66.65	18.28		90.0	
		Z	4.83	66.97	18.50		90.0	
10077-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	X	4.86	67.80	19.27	4.30	90.0	± 9.6 %
		Y	4.78	66.73	18.39		90.0	
		Z	4.86	67.05	18.61		90.0	

10081-CAB	CDMA2000 (1xRTT, RC3)	X	0.44	61.65	7.56	0.00	150.0	± 9.6 %
		Y	0.49	61.12	7.86		150.0	
		Z	0.64	63.85	10.26		150.0	
10082-CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	X	0.89	61.48	3.95	4.77	80.0	± 9.6 %
		Y	0.59	60.00	2.93		80.0	
		Z	0.55	60.00	3.58		80.0	
10090-DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	X	100.00	120.10	28.07	6.56	60.0	± 9.6 %
		Y	100.00	111.49	24.17		60.0	
		Z	100.00	114.44	25.62		60.0	
10097-CAB	UMTS-FDD (HSDPA)	X	2.01	71.24	16.81	0.00	150.0	± 9.6 %
		Y	1.59	66.13	14.13		150.0	
		Z	1.77	67.84	15.37		150.0	
10098-CAB	UMTS-FDD (HSUPA, Subtest 2)	X	1.98	71.24	16.82	0.00	150.0	± 9.6 %
		Y	1.56	66.06	14.09		150.0	
		Z	1.73	67.79	15.34		150.0	
10099-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	X	7.05	91.92	35.02	9.56	60.0	± 9.6 %
		Y	5.13	80.96	29.22		60.0	
		Z	7.00	89.81	33.25		60.0	
10100-CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	3.04	71.26	17.51	0.00	150.0	± 9.6 %
		Y	2.71	68.34	15.65		150.0	
		Z	2.94	69.85	16.50		150.0	
10101-CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	3.07	67.87	16.34	0.00	150.0	± 9.6 %
		Y	2.97	66.45	15.26		150.0	
		Z	3.10	67.26	15.77		150.0	
10102-CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	3.17	67.84	16.41	0.00	150.0	± 9.6 %
		Y	3.08	66.51	15.39		150.0	
		Z	3.20	67.26	15.86		150.0	
10103-CAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	5.93	77.85	22.25	3.98	65.0	± 9.6 %
		Y	4.91	73.42	19.90		65.0	
		Z	5.48	75.26	20.69		65.0	
10104-CAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	5.36	73.42	20.98	3.98	65.0	± 9.6 %
		Y	4.85	70.69	19.33		65.0	
		Z	5.38	72.53	20.20		65.0	
10105-CAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	5.20	72.50	20.84	3.98	65.0	± 9.6 %
		Y	4.80	70.17	19.39		65.0	
		Z	5.06	71.08	19.82		65.0	
10108-CAF	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	2.62	70.93	17.46	0.00	150.0	± 9.6 %
		Y	2.33	67.66	15.42		150.0	
		Z	2.54	69.16	16.32		150.0	
10109-CAF	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	2.72	68.12	16.25	0.00	150.0	± 9.6 %
		Y	2.60	66.27	15.00		150.0	
		Z	2.74	67.17	15.61		150.0	
10110-CAF	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	2.13	70.69	17.04	0.00	150.0	± 9.6 %
		Y	1.84	66.69	14.71		150.0	
		Z	2.04	68.34	15.81		150.0	
10111-CAF	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	2.53	70.01	16.54	0.00	150.0	± 9.6 %
		Y	2.27	66.91	14.87		150.0	
		Z	2.46	68.17	15.78		150.0	

10112-CAF	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	2.85	68.17	16.30	0.00	150.0	± 9.6 %
		Y	2.73	66.39	15.11		150.0	
		Z	2.87	67.23	15.69		150.0	
10113-CAF	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	2.66	70.08	16.61	0.00	150.0	± 9.6 %
		Y	2.41	67.16	15.06		150.0	
		Z	2.61	68.36	15.92		150.0	
10114-CAC	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	X	4.89	67.34	16.74	0.00	150.0	± 9.6 %
		Y	4.90	66.78	16.20		150.0	
		Z	4.96	67.07	16.36		150.0	
10115-CAC	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	X	5.12	67.41	16.76	0.00	150.0	± 9.6 %
		Y	5.15	66.88	16.26		150.0	
		Z	5.21	67.15	16.40		150.0	
10116-CAC	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	X	4.96	67.51	16.75	0.00	150.0	± 9.6 %
		Y	4.98	66.95	16.22		150.0	
		Z	5.04	67.27	16.38		150.0	
10117-CAC	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	X	4.85	67.18	16.68	0.00	150.0	± 9.6 %
		Y	4.89	66.71	16.19		150.0	
		Z	4.95	67.03	16.35		150.0	
10118-CAC	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	X	5.21	67.66	16.89	0.00	150.0	± 9.6 %
		Y	5.23	67.11	16.39		150.0	
		Z	5.28	67.32	16.50		150.0	
10119-CAC	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	X	4.97	67.54	16.77	0.00	150.0	± 9.6 %
		Y	4.98	66.97	16.24		150.0	
		Z	5.04	67.25	16.39		150.0	
10140-CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	3.18	67.90	16.33	0.00	150.0	± 9.6 %
		Y	3.10	66.53	15.31		150.0	
		Z	3.22	67.28	15.78		150.0	
10141-CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	3.31	68.06	16.51	0.00	150.0	± 9.6 %
		Y	3.23	66.72	15.52		150.0	
		Z	3.35	67.43	15.97		150.0	
10142-CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	1.90	70.81	16.08	0.00	150.0	± 9.6 %
		Y	1.56	66.13	13.71		150.0	
		Z	1.79	68.21	15.15		150.0	
10143-CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	2.27	69.87	15.01	0.00	150.0	± 9.6 %
		Y	1.97	66.56	13.59		150.0	
		Z	2.26	68.57	15.01		150.0	
10144-CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	1.77	65.70	12.39	0.00	150.0	± 9.6 %
		Y	1.77	64.41	11.96		150.0	
		Z	1.97	65.88	13.14		150.0	
10145-CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	0.57	60.00	6.01	0.00	150.0	± 9.6 %
		Y	0.69	60.18	6.93		150.0	
		Z	0.84	61.95	8.70		150.0	
10146-CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	0.77	60.00	5.45	0.00	150.0	± 9.6 %
		Y	0.96	60.51	6.88		150.0	
		Z	1.21	61.91	7.88		150.0	
10147-CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	0.78	60.00	5.51	0.00	150.0	± 9.6 %
		Y	1.01	60.88	7.17		150.0	
		Z	1.29	62.52	8.30		150.0	

10149-CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	2.73	68.20	16.30	0.00	150.0	± 9.6 %
		Y	2.61	66.33	15.05		150.0	
		Z	2.75	67.23	15.66		150.0	
10150-CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	2.86	68.24	16.35	0.00	150.0	± 9.6 %
		Y	2.74	66.44	15.16		150.0	
		Z	2.87	67.28	15.73		150.0	
10151-CAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	6.63	82.27	24.05	3.98	65.0	± 9.6 %
		Y	4.86	75.26	20.73		65.0	
		Z	5.85	78.40	22.06		65.0	
10152-CAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	4.98	73.89	20.68	3.98	65.0	± 9.6 %
		Y	4.38	70.57	18.85		65.0	
		Z	4.92	72.60	19.86		65.0	
10153-CAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	5.37	75.09	21.57	3.98	65.0	± 9.6 %
		Y	4.71	71.64	19.72		65.0	
		Z	5.27	73.62	20.68		65.0	
10154-CAF	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	2.18	71.12	17.28	0.00	150.0	± 9.6 %
		Y	1.86	66.97	14.90		150.0	
		Z	2.07	68.69	16.03		150.0	
10155-CAF	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	2.54	70.08	16.58	0.00	150.0	± 9.6 %
		Y	2.28	66.95	14.90		150.0	
		Z	2.46	68.21	15.81		150.0	
10156-CAF	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	1.67	70.04	15.04	0.00	150.0	± 9.6 %
		Y	1.35	65.50	12.88		150.0	
		Z	1.61	67.93	14.60		150.0	
10157-CAF	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	1.52	65.24	11.56	0.00	150.0	± 9.6 %
		Y	1.54	64.16	11.37		150.0	
		Z	1.78	66.05	12.85		150.0	
10158-CAF	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	2.68	70.20	16.68	0.00	150.0	± 9.6 %
		Y	2.42	67.23	15.11		150.0	
		Z	2.61	68.43	15.98		150.0	
10159-CAF	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	1.57	65.38	11.65	0.00	150.0	± 9.6 %
		Y	1.59	64.37	11.51		150.0	
		Z	1.86	66.39	13.06		150.0	
10160-CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	2.66	70.27	17.17	0.00	150.0	± 9.6 %
		Y	2.43	67.39	15.40		150.0	
		Z	2.59	68.51	16.14		150.0	
10161-CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	2.74	68.27	16.19	0.00	150.0	± 9.6 %
		Y	2.62	66.35	14.98		150.0	
		Z	2.76	67.24	15.61		150.0	
10162-CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	2.85	68.52	16.34	0.00	150.0	± 9.6 %
		Y	2.73	66.59	15.14		150.0	
		Z	2.87	67.46	15.76		150.0	
10166-CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	2.92	68.58	19.12	3.01	150.0	± 9.6 %
		Y	3.05	68.19	18.71		150.0	
		Z	3.38	69.92	19.37		150.0	
10167-CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	3.31	71.11	19.43	3.01	150.0	± 9.6 %
		Y	3.43	70.35	18.91		150.0	
		Z	4.27	73.87	20.20		150.0	

10168-CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	3.69	73.59	20.95	3.01	150.0	± 9.6 %
		Y	3.83	72.88	20.47		150.0	
		Z	4.91	76.88	21.85		150.0	
10169-CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	2.36	66.51	18.14	3.01	150.0	± 9.6 %
		Y	2.40	66.07	17.76		150.0	
		Z	2.80	69.10	19.04		150.0	
10170-CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	2.79	70.74	19.99	3.01	150.0	± 9.6 %
		Y	2.81	70.18	19.64		150.0	
		Z	4.13	77.05	22.20		150.0	
10171-AAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	2.40	67.71	17.55	3.01	150.0	± 9.6 %
		Y	2.40	66.93	17.03		150.0	
		Z	3.24	71.98	19.00		150.0	
10172-CAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	4.00	83.17	27.59	6.02	65.0	± 9.6 %
		Y	3.32	77.43	24.67		65.0	
		Z	4.82	85.38	27.66		65.0	
10173-CAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	7.95	95.13	29.81	6.02	65.0	± 9.6 %
		Y	5.14	85.14	25.95		65.0	
		Z	22.01	111.28	33.56		65.0	
10174-CAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	6.44	90.03	27.42	6.02	65.0	± 9.6 %
		Y	4.72	82.84	24.49		65.0	
		Z	11.40	97.81	28.98		65.0	
10175-CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	2.34	66.31	17.94	3.01	150.0	± 9.6 %
		Y	2.38	65.84	17.53		150.0	
		Z	2.77	68.80	18.79		150.0	
10176-CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	2.79	70.75	20.00	3.01	150.0	± 9.6 %
		Y	2.81	70.20	19.65		150.0	
		Z	4.14	77.08	22.21		150.0	
10177-CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	2.35	66.39	17.99	3.01	150.0	± 9.6 %
		Y	2.39	65.94	17.60		150.0	
		Z	2.79	68.93	18.87		150.0	
10178-CAF	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	X	2.78	70.67	19.95	3.01	150.0	± 9.6 %
		Y	2.80	70.08	19.57		150.0	
		Z	4.10	76.88	22.11		150.0	
10179-CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	2.58	69.20	18.68	3.01	150.0	± 9.6 %
		Y	2.58	68.48	18.22		150.0	
		Z	3.64	74.38	20.46		150.0	
10180-CAF	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	X	2.40	67.70	17.53	3.01	150.0	± 9.6 %
		Y	2.40	66.90	17.01		150.0	
		Z	3.24	71.93	18.96		150.0	
10181-CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	2.35	66.38	17.99	3.01	150.0	± 9.6 %
		Y	2.39	65.93	17.60		150.0	
		Z	2.78	68.92	18.87		150.0	
10182-CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	2.78	70.65	19.94	3.01	150.0	± 9.6 %
		Y	2.80	70.06	19.56		150.0	
		Z	4.09	76.85	22.10		150.0	
10183-AAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	2.40	67.68	17.52	3.01	150.0	± 9.6 %
		Y	2.40	66.89	16.99		150.0	
		Z	3.23	71.90	18.95		150.0	

10184-CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	2.36	66.41	18.00	3.01	150.0	± 9.6 %
		Y	2.40	65.96	17.62		150.0	
		Z	2.79	68.96	18.89		150.0	
10185-CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	X	2.79	70.71	19.97	3.01	150.0	± 9.6 %
		Y	2.81	70.12	19.59		150.0	
		Z	4.12	76.94	22.14		150.0	
10186-AAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	X	2.41	67.73	17.55	3.01	150.0	± 9.6 %
		Y	2.41	66.94	17.03		150.0	
		Z	3.25	71.97	18.99		150.0	
10187-CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	2.37	66.48	18.09	3.01	150.0	± 9.6 %
		Y	2.40	66.03	17.69		150.0	
		Z	2.80	69.04	18.97		150.0	
10188-CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	2.84	71.12	20.25	3.01	150.0	± 9.6 %
		Y	2.87	70.60	19.92		150.0	
		Z	4.27	77.69	22.54		150.0	
10189-AAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	2.45	68.02	17.78	3.01	150.0	± 9.6 %
		Y	2.44	67.25	17.27		150.0	
		Z	3.33	72.45	19.29		150.0	
10193-CAC	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	X	4.28	67.12	16.40	0.00	150.0	± 9.6 %
		Y	4.28	66.34	15.82		150.0	
		Z	4.37	66.69	16.05		150.0	
10194-CAC	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	X	4.40	67.30	16.54	0.00	150.0	± 9.6 %
		Y	4.42	66.58	15.96		150.0	
		Z	4.51	66.94	16.19		150.0	
10195-CAC	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	X	4.43	67.29	16.54	0.00	150.0	± 9.6 %
		Y	4.46	66.60	15.98		150.0	
		Z	4.55	66.96	16.21		150.0	
10196-CAC	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	X	4.25	67.08	16.37	0.00	150.0	± 9.6 %
		Y	4.27	66.33	15.80		150.0	
		Z	4.36	66.69	16.05		150.0	
10197-CAC	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	X	4.41	67.30	16.54	0.00	150.0	± 9.6 %
		Y	4.43	66.58	15.97		150.0	
		Z	4.52	66.95	16.20		150.0	
10198-CAC	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	X	4.42	67.28	16.54	0.00	150.0	± 9.6 %
		Y	4.45	66.60	15.98		150.0	
		Z	4.54	66.96	16.21		150.0	
10219-CAC	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	X	4.21	67.15	16.36	0.00	150.0	± 9.6 %
		Y	4.22	66.36	15.77		150.0	
		Z	4.31	66.72	16.02		150.0	
10220-CAC	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	X	4.40	67.25	16.53	0.00	150.0	± 9.6 %
		Y	4.42	66.55	15.96		150.0	
		Z	4.51	66.91	16.18		150.0	
10221-CAC	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	X	4.44	67.23	16.53	0.00	150.0	± 9.6 %
		Y	4.47	66.55	15.98		150.0	
		Z	4.56	66.90	16.20		150.0	
10222-CAC	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	X	4.84	67.21	16.68	0.00	150.0	± 9.6 %
		Y	4.86	66.70	16.17		150.0	
		Z	4.92	67.00	16.33		150.0	

10223-CAC	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	X	5.05	67.28	16.71	0.00	150.0	± 9.6 %
		Y	5.13	66.92	16.30		150.0	
		Z	5.19	67.21	16.45		150.0	
10224-CAC	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	X	4.88	67.36	16.68	0.00	150.0	± 9.6 %
		Y	4.89	66.80	16.15		150.0	
		Z	4.96	67.11	16.31		150.0	
10225-CAB	UMTS-FDD (HSPA+)	X	2.56	66.77	14.96	0.00	150.0	± 9.6 %
		Y	2.51	65.29	14.20		150.0	
		Z	2.64	66.08	14.88		150.0	
10226-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	8.58	96.74	30.43	6.02	65.0	± 9.6 %
		Y	5.44	86.30	26.47		65.0	
		Z	25.25	114.07	34.44		65.0	
10227-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	8.97	96.28	29.51	6.02	65.0	± 9.6 %
		Y	5.82	86.62	25.89		65.0	
		Z	26.62	112.59	33.14		65.0	
10228-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	4.46	85.84	28.72	6.02	65.0	± 9.6 %
		Y	3.52	78.94	25.38		65.0	
		Z	6.28	91.07	29.77		65.0	
10229-CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	X	8.00	95.21	29.84	6.02	65.0	± 9.6 %
		Y	5.18	85.25	25.99		65.0	
		Z	22.25	111.44	33.61		65.0	
10230-CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	X	8.20	94.53	28.89	6.02	65.0	± 9.6 %
		Y	5.45	85.38	25.38		65.0	
		Z	22.92	109.78	32.30		65.0	
10231-CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	4.29	84.95	28.30	6.02	65.0	± 9.6 %
		Y	3.42	78.29	25.03		65.0	
		Z	6.00	90.04	29.32		65.0	
10232-CAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	X	7.99	95.19	29.84	6.02	65.0	± 9.6 %
		Y	5.17	85.23	25.98		65.0	
		Z	22.20	111.42	33.61		65.0	
10233-CAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	X	8.17	94.46	28.87	6.02	65.0	± 9.6 %
		Y	5.43	85.32	25.36		65.0	
		Z	22.79	109.69	32.28		65.0	
10234-CAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	4.20	84.39	27.96	6.02	65.0	± 9.6 %
		Y	3.35	77.81	24.72		65.0	
		Z	5.81	89.24	28.92		65.0	
10235-CAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	8.00	95.25	29.86	6.02	65.0	± 9.6 %
		Y	5.17	85.25	25.99		65.0	
		Z	22.28	111.52	33.64		65.0	
10236-CAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	8.32	94.76	28.95	6.02	65.0	± 9.6 %
		Y	5.50	85.52	25.42		65.0	
		Z	23.43	110.13	32.39		65.0	
10237-CAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	4.29	84.99	28.32	6.02	65.0	± 9.6 %
		Y	3.42	78.29	25.04		65.0	
		Z	6.00	90.09	29.35		65.0	
10238-CAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	7.97	95.17	29.84	6.02	65.0	± 9.6 %
		Y	5.16	85.19	25.97		65.0	
		Z	22.13	111.39	33.60		65.0	

10239-CAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	8.13	94.40	28.85	6.02	65.0	± 9.6 %
		Y	5.41	85.27	25.34		65.0	
		Z	22.65	109.61	32.26		65.0	
10240-CAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	4.29	84.98	28.32	6.02	65.0	± 9.6 %
		Y	3.41	78.27	25.03		65.0	
		Z	5.99	90.06	29.34		65.0	
10241-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	6.78	83.01	27.19	6.98	65.0	± 9.6 %
		Y	5.79	77.77	24.62		65.0	
		Z	7.46	82.96	26.61		65.0	
10242-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	6.48	82.12	26.76	6.98	65.0	± 9.6 %
		Y	5.59	77.10	24.26		65.0	
		Z	6.60	80.40	25.51		65.0	
10243-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	5.17	77.50	25.78	6.98	65.0	± 9.6 %
		Y	4.73	73.67	23.57		65.0	
		Z	5.15	75.48	24.33		65.0	
10244-CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	3.16	68.74	13.63	3.98	65.0	± 9.6 %
		Y	3.46	70.01	15.08		65.0	
		Z	4.53	73.34	16.60		65.0	
10245-CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	3.03	67.91	13.16	3.98	65.0	± 9.6 %
		Y	3.34	69.23	14.64		65.0	
		Z	4.31	72.35	16.12		65.0	
10246-CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	4.58	77.82	18.26	3.98	65.0	± 9.6 %
		Y	2.94	71.18	15.91		65.0	
		Z	4.43	77.10	18.78		65.0	
10247-CAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	3.93	72.44	16.86	3.98	65.0	± 9.6 %
		Y	3.31	69.30	15.75		65.0	
		Z	4.04	72.29	17.45		65.0	
10248-CAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	3.71	71.10	16.24	3.98	65.0	± 9.6 %
		Y	3.28	68.68	15.43		65.0	
		Z	3.97	71.47	17.06		65.0	
10249-CAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	8.97	89.85	24.39	3.98	65.0	± 9.6 %
		Y	4.14	76.51	19.58		65.0	
		Z	6.04	82.54	22.20		65.0	
10250-CAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	5.29	77.58	21.84	3.98	65.0	± 9.6 %
		Y	4.28	72.75	19.64		65.0	
		Z	4.96	75.21	20.85		65.0	
10251-CAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	4.75	74.27	19.93	3.98	65.0	± 9.6 %
		Y	4.08	70.67	18.23		65.0	
		Z	4.69	72.94	19.43		65.0	
10252-CAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	8.00	88.54	26.02	3.98	65.0	± 9.6 %
		Y	4.67	77.36	21.42		65.0	
		Z	6.06	81.76	23.28		65.0	
10253-CAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	4.92	73.55	20.33	3.98	65.0	± 9.6 %
		Y	4.33	70.27	18.60		65.0	
		Z	4.85	72.20	19.59		65.0	
10254-CAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	5.24	74.52	21.06	3.98	65.0	± 9.6 %
		Y	4.62	71.19	19.34		65.0	
		Z	5.16	73.09	20.30		65.0	

10255-CAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	6.21	81.24	23.74	3.98	65.0	± 9.6 %
		Y	4.64	74.55	20.56		65.0	
		Z	5.52	77.51	21.87		65.0	
10256-CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	2.00	63.20	9.38	3.98	65.0	± 9.6 %
		Y	2.33	64.83	11.17		65.0	
		Z	2.92	67.15	12.48		65.0	
10257-CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	1.96	62.72	8.99	3.98	65.0	± 9.6 %
		Y	2.28	64.22	10.72		65.0	
		Z	2.80	66.30	11.94		65.0	
10258-CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	2.08	66.35	11.80	3.98	65.0	± 9.6 %
		Y	1.98	65.50	11.93		65.0	
		Z	2.75	69.63	14.40		65.0	
10259-CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	4.58	74.93	18.91	3.98	65.0	± 9.6 %
		Y	3.71	70.81	17.27		65.0	
		Z	4.44	73.61	18.79		65.0	
10260-CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	4.52	74.29	18.60	3.98	65.0	± 9.6 %
		Y	3.74	70.54	17.12		65.0	
		Z	4.45	73.22	18.60		65.0	
10261-CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	7.88	87.94	24.55	3.98	65.0	± 9.6 %
		Y	4.19	76.19	20.04		65.0	
		Z	5.68	81.15	22.23		65.0	
10262-CAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	5.27	77.47	21.77	3.98	65.0	± 9.6 %
		Y	4.26	72.68	19.58		65.0	
		Z	4.94	75.14	20.80		65.0	
10263-CAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	4.75	74.24	19.92	3.98	65.0	± 9.6 %
		Y	4.08	70.65	18.22		65.0	
		Z	4.68	72.91	19.42		65.0	
10264-CAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	7.86	88.17	25.86	3.98	65.0	± 9.6 %
		Y	4.62	77.15	21.31		65.0	
		Z	5.99	81.52	23.16		65.0	
10265-CAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	4.98	73.90	20.68	3.98	65.0	± 9.6 %
		Y	4.38	70.57	18.86		65.0	
		Z	4.92	72.60	19.87		65.0	
10266-CAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	5.37	75.08	21.56	3.98	65.0	± 9.6 %
		Y	4.71	71.63	19.71		65.0	
		Z	5.27	73.60	20.67		65.0	
10267-CAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	6.61	82.19	24.01	3.98	65.0	± 9.6 %
		Y	4.85	75.21	20.70		65.0	
		Z	5.84	78.34	22.04		65.0	
10268-CAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	5.53	73.44	21.03	3.98	65.0	± 9.6 %
		Y	5.03	70.75	19.43		65.0	
		Z	5.54	72.47	20.25		65.0	
10269-CAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	5.54	73.02	20.85	3.98	65.0	± 9.6 %
		Y	5.06	70.44	19.31		65.0	
		Z	5.54	72.08	20.10		65.0	
10270-CAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	5.98	77.31	22.21	3.98	65.0	± 9.6 %
		Y	5.00	72.98	19.88		65.0	
		Z	5.69	75.16	20.83		65.0	

10274-CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	X	2.47	67.82	15.27	0.00	150.0	± 9.6 %
		Y	2.33	65.69	14.15		150.0	
		Z	2.48	66.63	14.91		150.0	
10275-CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	X	1.71	71.16	16.82	0.00	150.0	± 9.6 %
		Y	1.33	65.66	13.76		150.0	
		Z	1.51	67.66	15.15		150.0	
10277-CAA	PHS (QPSK)	X	1.23	59.02	4.21	9.03	50.0	± 9.6 %
		Y	1.36	59.15	4.53		50.0	
		Z	1.40	59.60	4.92		50.0	
10278-CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	X	2.49	65.17	10.30	9.03	50.0	± 9.6 %
		Y	2.68	65.81	11.00		50.0	
		Z	3.26	68.70	12.71		50.0	
10279-CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	X	2.55	65.39	10.49	9.03	50.0	± 9.6 %
		Y	2.76	66.08	11.22		50.0	
		Z	3.39	69.09	12.97		50.0	
10290-AAB	CDMA2000, RC1, SO55, Full Rate	X	0.66	62.54	8.32	0.00	150.0	± 9.6 %
		Y	0.76	62.40	8.87		150.0	
		Z	1.02	65.60	11.30		150.0	
10291-AAB	CDMA2000, RC3, SO55, Full Rate	X	0.43	61.50	7.46	0.00	150.0	± 9.6 %
		Y	0.48	61.03	7.79		150.0	
		Z	0.63	63.68	10.15		150.0	
10292-AAB	CDMA2000, RC3, SO32, Full Rate	X	0.68	66.33	10.22	0.00	150.0	± 9.6 %
		Y	0.54	62.59	8.99		150.0	
		Z	0.84	67.69	12.53		150.0	
10293-AAB	CDMA2000, RC3, SO3, Full Rate	X	100.00	115.49	24.39	0.00	150.0	± 9.6 %
		Y	0.69	65.22	10.79		150.0	
		Z	1.61	75.87	16.40		150.0	
10295-AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	X	100.00	119.39	31.37	9.03	50.0	± 9.6 %
		Y	30.54	103.12	27.89		50.0	
		Z	25.86	103.05	28.71		50.0	
10297-AAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	2.64	71.06	17.54	0.00	150.0	± 9.6 %
		Y	2.34	67.75	15.49		150.0	
		Z	2.55	69.26	16.39		150.0	
10298-AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	0.90	63.34	9.68	0.00	150.0	± 9.6 %
		Y	0.97	62.80	9.90		150.0	
		Z	1.20	65.31	11.89		150.0	
10299-AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	1.04	61.35	7.67	0.00	150.0	± 9.6 %
		Y	1.45	63.85	10.09		150.0	
		Z	1.91	66.23	11.37		150.0	
10300-AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	0.88	59.77	6.06	0.00	150.0	± 9.6 %
		Y	1.18	61.29	7.96		150.0	
		Z	1.43	62.58	8.80		150.0	
10301-AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	X	4.48	66.53	17.71	4.17	50.0	± 9.6 %
		Y	4.32	64.81	16.78		50.0	
		Z	4.53	65.70	17.38		50.0	
10302-AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols)	X	4.90	66.77	18.24	4.96	50.0	± 9.6 %
		Y	4.79	65.40	17.49		50.0	
		Z	4.93	65.95	17.91		50.0	

10303-AAA	IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	X	4.67	66.48	18.03	4.96	50.0	± 9.6 %
		Y	4.54	65.00	17.25		50.0	
		Z	4.68	65.54	17.69		50.0	
10304-AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	X	4.50	66.44	17.58	4.17	50.0	± 9.6 %
		Y	4.37	64.94	16.79		50.0	
		Z	4.51	65.50	17.22		50.0	
10305-AAA	IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)	X	4.12	68.45	18.95	6.02	35.0	± 9.6 %
		Y	3.86	66.02	17.96		35.0	
		Z	3.97	66.57	18.59		35.0	
10306-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)	X	4.42	67.53	18.97	6.02	35.0	± 9.6 %
		Y	4.25	65.60	18.06		35.0	
		Z	4.36	66.03	18.53		35.0	
10307-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)	X	4.30	67.51	18.83	6.02	35.0	± 9.6 %
		Y	4.12	65.54	17.91		35.0	
		Z	4.23	66.00	18.40		35.0	
10308-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	X	4.29	67.78	19.02	6.02	35.0	± 9.6 %
		Y	4.09	65.70	18.03		35.0	
		Z	4.20	66.19	18.54		35.0	
10309-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols)	X	4.43	67.59	19.06	6.02	35.0	± 9.6 %
		Y	4.27	65.68	18.15		35.0	
		Z	4.39	66.15	18.64		35.0	
10310-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)	X	4.38	67.63	18.98	6.02	35.0	± 9.6 %
		Y	4.20	65.62	18.03		35.0	
		Z	4.31	66.06	18.50		35.0	
10311-AAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	2.99	69.90	17.05	0.00	150.0	± 9.6 %
		Y	2.69	67.10	15.26		150.0	
		Z	2.91	68.52	16.06		150.0	
10313-AAA	iDEN 1:3	X	8.87	90.94	23.28	6.99	70.0	± 9.6 %
		Y	2.18	70.62	15.55		70.0	
		Z	3.65	77.10	18.17		70.0	
10314-AAA	iDEN 1:6	X	23.31	113.29	33.24	10.00	30.0	± 9.6 %
		Y	4.07	81.07	22.63		30.0	
		Z	6.41	89.12	25.62		30.0	
10315-AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	X	1.06	65.07	16.25	0.17	150.0	± 9.6 %
		Y	0.98	62.35	13.91		150.0	
		Z	1.04	63.52	14.91		150.0	
10316-AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	X	4.31	67.08	16.57	0.17	150.0	± 9.6 %
		Y	4.32	66.32	15.96		150.0	
		Z	4.41	66.68	16.20		150.0	
10317-AAC	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	X	4.31	67.08	16.57	0.17	150.0	± 9.6 %
		Y	4.32	66.32	15.96		150.0	
		Z	4.41	66.68	16.20		150.0	
10400-AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	X	4.34	67.26	16.50	0.00	150.0	± 9.6 %
		Y	4.38	66.57	15.93		150.0	
		Z	4.48	66.96	16.18		150.0	
10401-AAD	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	X	5.02	66.93	16.50	0.00	150.0	± 9.6 %
		Y	5.07	66.49	16.04		150.0	
		Z	5.15	66.85	16.24		150.0	

10402-AAD	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	X	5.40	67.50	16.69	0.00	150.0	± 9.6 %
		Y	5.42	67.05	16.22		150.0	
		Z	5.48	67.35	16.37		150.0	
10403-AAB	CDMA2000 (1xEV-DO, Rev. 0)	X	0.66	62.54	8.32	0.00	115.0	± 9.6 %
		Y	0.76	62.40	8.87		115.0	
		Z	1.02	65.60	11.30		115.0	
10404-AAB	CDMA2000 (1xEV-DO, Rev. A)	X	0.66	62.54	8.32	0.00	115.0	± 9.6 %
		Y	0.76	62.40	8.87		115.0	
		Z	1.02	65.60	11.30		115.0	
10406-AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	X	100.00	120.66	28.47	0.00	100.0	± 9.6 %
		Y	100.00	124.32	30.49		100.0	
		Z	100.00	114.36	26.36		100.0	
10410-AAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4)	X	100.00	137.18	35.87	3.23	80.0	± 9.6 %
		Y	89.20	133.87	34.99		80.0	
		Z	100.00	128.26	32.27		80.0	
10415-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	X	1.00	64.27	15.62	0.00	150.0	± 9.6 %
		Y	0.93	61.90	13.47		150.0	
		Z	0.99	62.92	14.41		150.0	
10416-AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	X	4.26	67.05	16.46	0.00	150.0	± 9.6 %
		Y	4.28	66.33	15.89		150.0	
		Z	4.36	66.69	16.13		150.0	
10417-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	X	4.26	67.05	16.46	0.00	150.0	± 9.6 %
		Y	4.28	66.33	15.89		150.0	
		Z	4.36	66.69	16.13		150.0	
10418-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preamble)	X	4.26	67.30	16.55	0.00	150.0	± 9.6 %
		Y	4.27	66.52	15.94		150.0	
		Z	4.36	66.88	16.18		150.0	
10419-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preamble)	X	4.27	67.21	16.52	0.00	150.0	± 9.6 %
		Y	4.29	66.46	15.93		150.0	
		Z	4.38	66.82	16.17		150.0	
10422-AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	X	4.37	67.16	16.52	0.00	150.0	± 9.6 %
		Y	4.40	66.45	15.96		150.0	
		Z	4.48	66.80	16.18		150.0	
10423-AAB	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	X	4.48	67.40	16.60	0.00	150.0	± 9.6 %
		Y	4.52	66.70	16.04		150.0	
		Z	4.61	67.06	16.27		150.0	
10424-AAB	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	X	4.42	67.34	16.58	0.00	150.0	± 9.6 %
		Y	4.45	66.65	16.02		150.0	
		Z	4.54	67.01	16.25		150.0	
10425-AAB	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	X	5.06	67.40	16.76	0.00	150.0	± 9.6 %
		Y	5.10	66.94	16.29		150.0	
		Z	5.16	67.23	16.44		150.0	
10426-AAB	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	X	5.11	67.63	16.87	0.00	150.0	± 9.6 %
		Y	5.13	67.07	16.35		150.0	
		Z	5.18	67.30	16.47		150.0	

10427-AAB	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	X	5.05	67.32	16.71	0.00	150.0	± 9.6 %
		Y	5.08	66.82	16.22		150.0	
		Z	5.15	67.12	16.38		150.0	
10430-AAC	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	X	4.23	73.22	18.45	0.00	150.0	± 9.6 %
		Y	3.93	70.77	17.45		150.0	
		Z	4.10	71.37	17.95		150.0	
10431-AAC	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	X	3.86	67.78	16.28	0.00	150.0	± 9.6 %
		Y	3.86	66.76	15.64		150.0	
		Z	3.98	67.24	16.01		150.0	
10432-AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	X	4.18	67.53	16.50	0.00	150.0	± 9.6 %
		Y	4.20	66.69	15.89		150.0	
		Z	4.31	67.10	16.17		150.0	
10433-AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	X	4.44	67.38	16.60	0.00	150.0	± 9.6 %
		Y	4.47	66.68	16.04		150.0	
		Z	4.56	67.05	16.27		150.0	
10434-AAA	W-CDMA (BS Test Model 1, 64 DPCH)	X	4.26	73.70	17.91	0.00	150.0	± 9.6 %
		Y	3.90	71.13	16.99		150.0	
		Z	4.17	72.14	17.74		150.0	
10435-AAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	136.85	35.71	3.23	80.0	± 9.6 %
		Y	73.85	130.75	34.24		80.0	
		Z	100.00	127.97	32.14		80.0	
10447-AAC	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	3.04	67.36	14.69	0.00	150.0	± 9.6 %
		Y	3.04	66.19	14.22		150.0	
		Z	3.23	67.03	14.92		150.0	
10448-AAC	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	X	3.74	67.60	16.17	0.00	150.0	± 9.6 %
		Y	3.73	66.55	15.51		150.0	
		Z	3.85	67.04	15.88		150.0	
10449-AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	X	4.04	67.36	16.41	0.00	150.0	± 9.6 %
		Y	4.04	66.51	15.78		150.0	
		Z	4.14	66.92	16.07		150.0	
10450-AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	4.25	67.17	16.47	0.00	150.0	± 9.6 %
		Y	4.27	66.44	15.88		150.0	
		Z	4.35	66.83	16.12		150.0	
10451-AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	X	2.75	66.59	13.54	0.00	150.0	± 9.6 %
		Y	2.81	65.78	13.36		150.0	
		Z	3.04	66.85	14.23		150.0	
10456-AAB	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	X	6.15	68.30	17.13	0.00	150.0	± 9.6 %
		Y	6.05	67.54	16.50		150.0	
		Z	6.09	67.83	16.64		150.0	
10457-AAA	UMTS-FDD (DC-HSDPA)	X	3.66	65.89	16.23	0.00	150.0	± 9.6 %
		Y	3.65	65.10	15.61		150.0	
		Z	3.71	65.42	15.85		150.0	
10458-AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	X	3.20	69.58	15.19	0.00	150.0	± 9.6 %
		Y	3.29	69.02	15.37		150.0	
		Z	3.67	70.71	16.58		150.0	
10459-AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	X	4.50	68.59	17.11	0.00	150.0	± 9.6 %
		Y	4.66	68.32	17.33		150.0	
		Z	4.81	68.67	17.71		150.0	

10460-AAA	UMTS-FDD (WCDMA, AMR)	X	1.26	76.31	19.76	0.00	150.0	± 9.6 %
		Y	0.71	64.73	13.42		150.0	
		Z	0.85	67.74	15.61		150.0	
10461-AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	143.66	38.88	3.29	80.0	± 9.6 %
		Y	34.56	122.60	33.52		80.0	
		Z	100.00	134.99	35.38		80.0	
10462-AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.61	76.64	14.82	3.23	80.0	± 9.6 %
		Y	1.01	64.66	10.84		80.0	
		Z	1.31	65.68	10.55		80.0	
10463-AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.60	60.00	7.56	3.23	80.0	± 9.6 %
		Y	0.63	60.00	7.83		80.0	
		Z	0.70	60.00	7.29		80.0	
10464-AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	140.29	37.09	3.23	80.0	± 9.6 %
		Y	41.01	122.69	32.58		80.0	
		Z	100.00	131.53	33.60		80.0	
10465-AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.51	68.56	12.04	3.23	80.0	± 9.6 %
		Y	0.85	62.97	9.99		80.0	
		Z	1.06	63.78	9.68		80.0	
10466-AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.61	60.00	7.50	3.23	80.0	± 9.6 %
		Y	0.64	60.00	7.76		80.0	
		Z	0.71	60.00	7.23		80.0	
10467-AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	140.88	37.35	3.23	80.0	± 9.6 %
		Y	59.18	128.48	33.95		80.0	
		Z	100.00	131.99	33.80		80.0	
10468-AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.90	70.77	12.88	3.23	80.0	± 9.6 %
		Y	0.89	63.46	10.25		80.0	
		Z	1.12	64.32	9.94		80.0	
10469-AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.60	60.00	7.50	3.23	80.0	± 9.6 %
		Y	0.63	60.00	7.77		80.0	
		Z	0.70	60.00	7.23		80.0	
10470-AAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	140.97	37.38	3.23	80.0	± 9.6 %
		Y	62.06	129.24	34.12		80.0	
		Z	100.00	132.05	33.81		80.0	
10471-AAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.84	70.47	12.75	3.23	80.0	± 9.6 %
		Y	0.88	63.38	10.20		80.0	
		Z	1.11	64.20	9.87		80.0	
10472-AAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.60	60.00	7.48	3.23	80.0	± 9.6 %
		Y	0.63	60.00	7.75		80.0	
		Z	0.70	60.00	7.21		80.0	
10473-AAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	140.94	37.36	3.23	80.0	± 9.6 %
		Y	61.16	128.99	34.05		80.0	
		Z	100.00	132.00	33.79		80.0	
10474-AAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.81	70.32	12.70	3.23	80.0	± 9.6 %
		Y	0.88	63.33	10.17		80.0	
		Z	1.10	64.15	9.85		80.0	
10475-AAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.60	60.00	7.48	3.23	80.0	± 9.6 %
		Y	0.63	60.00	7.75		80.0	
		Z	0.70	60.00	7.21		80.0	

10477-AAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.53	68.71	12.08	3.23	80.0	± 9.6 %
		Y	0.84	62.95	9.96		80.0	
		Z	1.05	63.70	9.62		80.0	
10478-AAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.60	60.00	7.47	3.23	80.0	± 9.6 %
		Y	0.63	60.00	7.74		80.0	
		Z	0.70	60.00	7.20		80.0	
10479-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	131.86	35.15	3.23	80.0	± 9.6 %
		Y	12.94	98.67	26.98		80.0	
		Z	22.21	105.39	28.53		80.0	
10480-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	113.57	26.62	3.23	80.0	± 9.6 %
		Y	8.74	85.47	20.23		80.0	
		Z	17.38	92.40	21.93		80.0	
10481-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	18.06	91.55	20.55	3.23	80.0	± 9.6 %
		Y	4.37	76.08	16.65		80.0	
		Z	7.35	80.99	18.05		80.0	
10482-AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.29	74.82	16.10	2.23	80.0	± 9.6 %
		Y	1.38	63.83	11.93		80.0	
		Z	2.24	69.89	15.23		80.0	
10483-AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.50	62.45	9.85	2.23	80.0	± 9.6 %
		Y	2.04	65.44	12.22		80.0	
		Z	2.87	69.16	14.04		80.0	
10484-AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.43	61.71	9.45	2.23	80.0	± 9.6 %
		Y	1.92	64.48	11.76		80.0	
		Z	2.62	67.82	13.47		80.0	
10485-AAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.78	86.86	22.48	2.23	80.0	± 9.6 %
		Y	1.98	67.95	15.36		80.0	
		Z	2.84	73.18	18.01		80.0	
10486-AAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.84	70.05	15.08	2.23	80.0	± 9.6 %
		Y	1.97	64.49	12.85		80.0	
		Z	2.60	68.12	14.98		80.0	
10487-AAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.67	68.87	14.53	2.23	80.0	± 9.6 %
		Y	1.98	64.19	12.66		80.0	
		Z	2.57	67.61	14.72		80.0	
10488-AAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.07	78.46	21.52	2.23	80.0	± 9.6 %
		Y	2.46	68.67	16.96		80.0	
		Z	3.04	71.93	18.60		80.0	
10489-AAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.48	71.99	18.44	2.23	80.0	± 9.6 %
		Y	2.66	66.56	15.77		80.0	
		Z	3.05	68.58	16.94		80.0	
10490-AAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.50	71.49	18.20	2.23	80.0	± 9.6 %
		Y	2.75	66.49	15.73		80.0	
		Z	3.12	68.41	16.86		80.0	
10491-AAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.72	73.90	20.02	2.23	80.0	± 9.6 %
		Y	2.82	67.95	16.90		80.0	
		Z	3.28	70.32	18.09		80.0	
10492-AAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.56	69.77	18.10	2.23	80.0	± 9.6 %
		Y	3.07	66.24	16.14		80.0	
		Z	3.38	67.73	16.98		80.0	

10493-AAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.59	69.52	17.96	2.23	80.0	± 9.6 %
		Y	3.13	66.17	16.10		80.0	
		Z	3.43	67.60	16.92		80.0	
10494-AAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.13	75.78	20.74	2.23	80.0	± 9.6 %
		Y	2.97	68.99	17.27		80.0	
		Z	3.53	71.74	18.59		80.0	
10495-AAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.57	69.95	18.36	2.23	80.0	± 9.6 %
		Y	3.08	66.44	16.34		80.0	
		Z	3.39	67.98	17.18		80.0	
10496-AAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.63	69.58	18.20	2.23	80.0	± 9.6 %
		Y	3.18	66.32	16.31		80.0	
		Z	3.48	67.76	17.10		80.0	
10497-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	0.86	60.00	7.83	2.23	80.0	± 9.6 %
		Y	0.94	60.00	8.43		80.0	
		Z	1.26	62.86	10.60		80.0	
10498-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.06	60.00	6.32	2.23	80.0	± 9.6 %
		Y	1.11	60.00	7.15		80.0	
		Z	1.15	60.00	7.79		80.0	
10499-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.09	60.00	6.13	2.23	80.0	± 9.6 %
		Y	1.13	60.00	6.98		80.0	
		Z	1.16	60.00	7.62		80.0	
10500-AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	5.11	82.69	21.91	2.23	80.0	± 9.6 %
		Y	2.18	68.30	16.03		80.0	
		Z	2.89	72.51	18.19		80.0	
10501-AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.38	72.12	16.89	2.23	80.0	± 9.6 %
		Y	2.30	65.71	14.16		80.0	
		Z	2.84	68.67	15.89		80.0	
10502-AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.32	71.47	16.50	2.23	80.0	± 9.6 %
		Y	2.34	65.56	14.00		80.0	
		Z	2.88	68.46	15.71		80.0	
10503-AAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.00	78.15	21.38	2.23	80.0	± 9.6 %
		Y	2.43	68.50	16.86		80.0	
		Z	3.00	71.73	18.50		80.0	
10504-AAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.45	71.84	18.36	2.23	80.0	± 9.6 %
		Y	2.65	66.46	15.71		80.0	
		Z	3.03	68.49	16.88		80.0	
10505-AAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.47	71.37	18.13	2.23	80.0	± 9.6 %
		Y	2.73	66.40	15.67		80.0	
		Z	3.11	68.32	16.80		80.0	
10506-AAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.09	75.59	20.65	2.23	80.0	± 9.6 %
		Y	2.95	68.87	17.20		80.0	
		Z	3.51	71.60	18.52		80.0	
10507-AAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.56	69.88	18.32	2.23	80.0	± 9.6 %
		Y	3.07	66.39	16.30		80.0	
		Z	3.38	67.92	17.15		80.0	

10508-AAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.61	69.50	18.15	2.23	80.0	± 9.6 %
		Y	3.17	66.26	16.27		80.0	
		Z	3.46	67.69	17.06		80.0	
10509-AAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.20	72.86	19.53	2.23	80.0	± 9.6 %
		Y	3.42	68.34	17.01		80.0	
		Z	3.88	70.43	18.01		80.0	
10510-AAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.92	68.81	18.05	2.23	80.0	± 9.6 %
		Y	3.56	66.32	16.47		80.0	
		Z	3.85	67.60	17.14		80.0	
10511-AAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.98	68.57	17.95	2.23	80.0	± 9.6 %
		Y	3.64	66.21	16.45		80.0	
		Z	3.92	67.41	17.08		80.0	
10512-AAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.48	74.72	20.17	2.23	80.0	± 9.6 %
		Y	3.43	69.26	17.28		80.0	
		Z	4.02	71.84	18.48		80.0	
10513-AAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.82	68.98	18.16	2.23	80.0	± 9.6 %
		Y	3.45	66.38	16.51		80.0	
		Z	3.74	67.76	17.23		80.0	
10514-AAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.85	68.52	17.99	2.23	80.0	± 9.6 %
		Y	3.51	66.13	16.44		80.0	
		Z	3.78	67.40	17.11		80.0	
10515-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	X	0.96	64.60	15.77	0.00	150.0	± 9.6 %
		Y	0.89	61.99	13.45		150.0	
		Z	0.95	63.08	14.46		150.0	
10516-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	X	2.33	97.00	27.78	0.00	150.0	± 9.6 %
		Y	0.43	64.91	13.28		150.0	
		Z	0.56	69.50	16.60		150.0	
10517-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	X	0.86	68.07	17.27	0.00	150.0	± 9.6 %
		Y	0.71	62.96	13.44		150.0	
		Z	0.79	64.75	14.96		150.0	
10518-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	X	4.25	67.19	16.47	0.00	150.0	± 9.6 %
		Y	4.27	66.42	15.88		150.0	
		Z	4.35	66.78	16.12		150.0	
10519-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	X	4.38	67.33	16.55	0.00	150.0	± 9.6 %
		Y	4.41	66.60	15.98		150.0	
		Z	4.50	66.96	16.21		150.0	
10520-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	X	4.25	67.26	16.47	0.00	150.0	± 9.6 %
		Y	4.27	66.51	15.88		150.0	
		Z	4.36	66.89	16.12		150.0	
10521-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	X	4.18	67.20	16.44	0.00	150.0	± 9.6 %
		Y	4.20	66.46	15.85		150.0	
		Z	4.29	66.86	16.10		150.0	
10522-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	X	4.21	67.26	16.50	0.00	150.0	± 9.6 %
		Y	4.24	66.58	15.94		150.0	
		Z	4.35	66.98	16.20		150.0	

10523-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	X	4.18	67.45	16.52	0.00	150.0	± 9.6 %
		Y	4.18	66.58	15.86		150.0	
		Z	4.27	66.96	16.11		150.0	
10524-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	X	4.18	67.33	16.55	0.00	150.0	± 9.6 %
		Y	4.20	66.55	15.94		150.0	
		Z	4.30	66.94	16.19		150.0	
10525-AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	X	4.24	66.47	16.19	0.00	150.0	± 9.6 %
		Y	4.23	65.66	15.56		150.0	
		Z	4.32	66.04	15.81		150.0	
10526-AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)	X	4.34	66.70	16.29	0.00	150.0	± 9.6 %
		Y	4.35	65.92	15.67		150.0	
		Z	4.45	66.33	15.93		150.0	
10527-AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	X	4.28	66.69	16.24	0.00	150.0	± 9.6 %
		Y	4.28	65.87	15.61		150.0	
		Z	4.38	66.29	15.86		150.0	
10528-AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	X	4.29	66.70	16.27	0.00	150.0	± 9.6 %
		Y	4.29	65.89	15.64		150.0	
		Z	4.39	66.31	15.90		150.0	
10529-AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	X	4.29	66.70	16.27	0.00	150.0	± 9.6 %
		Y	4.29	65.89	15.64		150.0	
		Z	4.39	66.31	15.90		150.0	
10531-AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)	X	4.24	66.68	16.22	0.00	150.0	± 9.6 %
		Y	4.25	65.90	15.61		150.0	
		Z	4.36	66.34	15.88		150.0	
10532-AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	X	4.14	66.55	16.16	0.00	150.0	± 9.6 %
		Y	4.14	65.75	15.53		150.0	
		Z	4.24	66.20	15.81		150.0	
10533-AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)	X	4.29	66.80	16.28	0.00	150.0	± 9.6 %
		Y	4.29	65.97	15.64		150.0	
		Z	4.40	66.39	15.90		150.0	
10534-AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	X	4.86	66.53	16.31	0.00	150.0	± 9.6 %
		Y	4.88	65.98	15.79		150.0	
		Z	4.95	66.32	15.97		150.0	
10535-AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	X	4.89	66.65	16.37	0.00	150.0	± 9.6 %
		Y	4.91	66.10	15.85		150.0	
		Z	5.00	66.46	16.03		150.0	
10536-AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	X	4.79	66.64	16.34	0.00	150.0	± 9.6 %
		Y	4.80	66.08	15.81		150.0	
		Z	4.89	66.46	16.01		150.0	
10537-AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	X	4.88	66.74	16.39	0.00	150.0	± 9.6 %
		Y	4.88	66.12	15.83		150.0	
		Z	4.95	66.44	16.00		150.0	
10538-AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	X	4.91	66.59	16.35	0.00	150.0	± 9.6 %
		Y	4.94	66.07	15.85		150.0	
		Z	5.01	66.41	16.03		150.0	
10540-AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	X	4.85	66.55	16.35	0.00	150.0	± 9.6 %
		Y	4.86	66.01	15.84		150.0	
		Z	4.94	66.38	16.03		150.0	

10541-AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)	X	4.84	66.50	16.30	0.00	150.0	± 9.6 %
		Y	4.85	65.93	15.78		150.0	
		Z	4.93	66.29	15.97		150.0	
10542-AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	X	4.98	66.58	16.36	0.00	150.0	± 9.6 %
		Y	5.01	66.06	15.86		150.0	
		Z	5.08	66.39	16.04		150.0	
10543-AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	X	5.07	66.72	16.46	0.00	150.0	± 9.6 %
		Y	5.09	66.19	15.96		150.0	
		Z	5.15	66.45	16.09		150.0	
10544-AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	X	5.23	66.52	16.26	0.00	150.0	± 9.6 %
		Y	5.23	66.08	15.80		150.0	
		Z	5.29	66.42	15.97		150.0	
10545-AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)	X	5.42	67.07	16.51	0.00	150.0	± 9.6 %
		Y	5.42	66.57	16.01		150.0	
		Z	5.47	66.84	16.14		150.0	
10546-AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	X	5.25	66.63	16.29	0.00	150.0	± 9.6 %
		Y	5.26	66.19	15.83		150.0	
		Z	5.33	66.54	16.00		150.0	
10547-AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	X	5.40	66.98	16.47	0.00	150.0	± 9.6 %
		Y	5.36	66.37	15.91		150.0	
		Z	5.40	66.64	16.04		150.0	
10548-AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	X	5.46	67.37	16.64	0.00	150.0	± 9.6 %
		Y	5.49	66.97	16.19		150.0	
		Z	5.55	67.26	16.33		150.0	
10550-AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	X	5.39	67.12	16.55	0.00	150.0	± 9.6 %
		Y	5.34	66.47	15.98		150.0	
		Z	5.38	66.70	16.09		150.0	
10551-AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	X	5.22	66.55	16.23	0.00	150.0	± 9.6 %
		Y	5.25	66.14	15.78		150.0	
		Z	5.32	66.52	15.96		150.0	
10552-AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	X	5.23	66.67	16.28	0.00	150.0	± 9.6 %
		Y	5.24	66.18	15.80		150.0	
		Z	5.30	66.53	15.97		150.0	
10553-AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	X	5.27	66.57	16.26	0.00	150.0	± 9.6 %
		Y	5.29	66.14	15.81		150.0	
		Z	5.36	66.48	15.98		150.0	
10554-AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	X	5.67	66.83	16.33	0.00	150.0	± 9.6 %
		Y	5.66	66.44	15.91		150.0	
		Z	5.71	66.75	16.05		150.0	
10555-AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	X	5.75	67.04	16.43	0.00	150.0	± 9.6 %
		Y	5.76	66.67	16.01		150.0	
		Z	5.81	66.99	16.15		150.0	
10556-AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)	X	5.82	67.26	16.53	0.00	150.0	± 9.6 %
		Y	5.80	66.81	16.07		150.0	
		Z	5.84	67.08	16.19		150.0	
10557-AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	X	5.74	67.02	16.42	0.00	150.0	± 9.6 %
		Y	5.74	66.64	16.00		150.0	
		Z	5.80	66.96	16.15		150.0	

10558-AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	X	5.72	66.97	16.42	0.00	150.0	± 9.6 %
		Y	5.74	66.66	16.03		150.0	
		Z	5.82	67.04	16.20		150.0	
10560-AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	X	5.75	66.95	16.44	0.00	150.0	± 9.6 %
		Y	5.77	66.62	16.04		150.0	
		Z	5.83	66.96	16.20		150.0	
10561-AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	X	5.69	66.96	16.48	0.00	150.0	± 9.6 %
		Y	5.71	66.62	16.07		150.0	
		Z	5.76	66.94	16.22		150.0	
10562-AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	X	5.73	67.07	16.54	0.00	150.0	± 9.6 %
		Y	5.75	66.74	16.14		150.0	
		Z	5.82	67.12	16.31		150.0	
10563-AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	X	5.85	67.14	16.54	0.00	150.0	± 9.6 %
		Y	5.87	66.79	16.13		150.0	
		Z	5.91	67.06	16.25		150.0	
10564-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)	X	4.57	67.17	16.61	0.46	150.0	± 9.6 %
		Y	4.59	66.49	16.05		150.0	
		Z	4.67	66.83	16.27		150.0	
10565-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)	X	4.74	67.55	16.90	0.46	150.0	± 9.6 %
		Y	4.78	66.90	16.38		150.0	
		Z	4.87	67.23	16.58		150.0	
10566-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)	X	4.59	67.37	16.72	0.46	150.0	± 9.6 %
		Y	4.62	66.70	16.17		150.0	
		Z	4.71	67.05	16.39		150.0	
10567-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)	X	4.62	67.76	17.09	0.46	150.0	± 9.6 %
		Y	4.65	67.09	16.54		150.0	
		Z	4.74	67.43	16.75		150.0	
10568-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle)	X	4.46	67.03	16.42	0.46	150.0	± 9.6 %
		Y	4.51	66.42	15.90		150.0	
		Z	4.61	66.81	16.14		150.0	
10569-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	X	4.63	68.10	17.29	0.46	150.0	± 9.6 %
		Y	4.63	67.31	16.68		150.0	
		Z	4.72	67.64	16.87		150.0	
10570-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle)	X	4.60	67.79	17.13	0.46	150.0	± 9.6 %
		Y	4.64	67.10	16.57		150.0	
		Z	4.73	67.44	16.77		150.0	
10571-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	X	1.13	65.55	16.59	0.46	130.0	± 9.6 %
		Y	1.02	62.57	14.13		130.0	
		Z	1.09	63.87	15.18		130.0	
10572-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	X	1.14	66.28	17.05	0.46	130.0	± 9.6 %
		Y	1.02	62.97	14.40		130.0	
		Z	1.10	64.37	15.52		130.0	
10573-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	X	100.00	160.36	43.84	0.46	130.0	± 9.6 %
		Y	0.72	69.89	16.37		130.0	
		Z	1.32	80.40	21.60		130.0	
10574-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	X	1.39	74.93	21.47	0.46	130.0	± 9.6 %
		Y	0.97	66.41	16.28		130.0	
		Z	1.14	69.27	18.15		130.0	

10575-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	X	4.35	66.98	16.66	0.46	130.0	± 9.6 %
		Y	4.37	66.25	16.07		130.0	
		Z	4.45	66.60	16.31		130.0	
10576-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	X	4.39	67.23	16.77	0.46	130.0	± 9.6 %
		Y	4.40	66.45	16.16		130.0	
		Z	4.48	66.79	16.39		130.0	
10577-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	X	4.53	67.43	16.90	0.46	130.0	± 9.6 %
		Y	4.55	66.69	16.31		130.0	
		Z	4.65	67.03	16.53		130.0	
10578-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	X	4.44	67.57	17.01	0.46	130.0	± 9.6 %
		Y	4.46	66.81	16.41		130.0	
		Z	4.55	67.16	16.63		130.0	
10579-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	X	4.19	66.71	16.24	0.46	130.0	± 9.6 %
		Y	4.21	65.98	15.64		130.0	
		Z	4.31	66.39	15.91		130.0	
10580-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	X	4.21	66.71	16.23	0.46	130.0	± 9.6 %
		Y	4.24	66.03	15.66		130.0	
		Z	4.35	66.45	15.94		130.0	
10581-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	X	4.37	67.75	17.05	0.46	130.0	± 9.6 %
		Y	4.37	66.88	16.38		130.0	
		Z	4.46	67.24	16.60		130.0	
10582-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	X	4.11	66.49	16.03	0.46	130.0	± 9.6 %
		Y	4.14	65.75	15.42		130.0	
		Z	4.24	66.16	15.70		130.0	
10583-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	X	4.35	66.98	16.66	0.46	130.0	± 9.6 %
		Y	4.37	66.25	16.07		130.0	
		Z	4.45	66.60	16.31		130.0	
10584-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	X	4.39	67.23	16.77	0.46	130.0	± 9.6 %
		Y	4.40	66.45	16.16		130.0	
		Z	4.48	66.79	16.39		130.0	
10585-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	X	4.53	67.43	16.90	0.46	130.0	± 9.6 %
		Y	4.55	66.69	16.31		130.0	
		Z	4.65	67.03	16.53		130.0	
10586-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	X	4.44	67.57	17.01	0.46	130.0	± 9.6 %
		Y	4.46	66.81	16.41		130.0	
		Z	4.55	67.16	16.63		130.0	
10587-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	X	4.19	66.71	16.24	0.46	130.0	± 9.6 %
		Y	4.21	65.98	15.64		130.0	
		Z	4.31	66.39	15.91		130.0	
10588-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	X	4.21	66.71	16.23	0.46	130.0	± 9.6 %
		Y	4.24	66.03	15.66		130.0	
		Z	4.35	66.45	15.94		130.0	
10589-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	X	4.37	67.75	17.05	0.46	130.0	± 9.6 %
		Y	4.37	66.88	16.38		130.0	
		Z	4.46	67.24	16.60		130.0	
10590-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	X	4.11	66.49	16.03	0.46	130.0	± 9.6 %
		Y	4.14	65.75	15.42		130.0	
		Z	4.24	66.16	15.70		130.0	

10591-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	X	4.51	67.07	16.79	0.46	130.0	± 9.6 %
		Y	4.53	66.37	16.22		130.0	
		Z	4.61	66.68	16.43		130.0	
10592-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	X	4.61	67.33	16.91	0.46	130.0	± 9.6 %
		Y	4.64	66.64	16.34		130.0	
		Z	4.73	66.98	16.55		130.0	
10593-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	X	4.53	67.22	16.77	0.46	130.0	± 9.6 %
		Y	4.56	66.51	16.19		130.0	
		Z	4.65	66.86	16.41		130.0	
10594-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	X	4.59	67.39	16.94	0.46	130.0	± 9.6 %
		Y	4.61	66.69	16.36		130.0	
		Z	4.70	67.03	16.57		130.0	
10595-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	X	4.55	67.39	16.86	0.46	130.0	± 9.6 %
		Y	4.58	66.66	16.27		130.0	
		Z	4.67	67.01	16.48		130.0	
10596-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle)	X	4.48	67.33	16.84	0.46	130.0	± 9.6 %
		Y	4.51	66.61	16.25		130.0	
		Z	4.60	66.98	16.48		130.0	
10597-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle)	X	4.44	67.19	16.68	0.46	130.0	± 9.6 %
		Y	4.46	66.47	16.09		130.0	
		Z	4.55	66.85	16.33		130.0	
10598-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	X	4.44	67.44	16.96	0.46	130.0	± 9.6 %
		Y	4.45	66.70	16.36		130.0	
		Z	4.54	67.07	16.59		130.0	
10599-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	X	5.25	67.58	17.13	0.46	130.0	± 9.6 %
		Y	5.24	66.95	16.56		130.0	
		Z	5.29	67.14	16.66		130.0	
10600-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	X	5.34	67.95	17.30	0.46	130.0	± 9.6 %
		Y	5.36	67.36	16.74		130.0	
		Z	5.38	67.49	16.81		130.0	
10601-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	X	5.27	67.81	17.24	0.46	130.0	± 9.6 %
		Y	5.25	67.09	16.62		130.0	
		Z	5.29	67.28	16.72		130.0	
10602-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	X	5.32	67.68	17.09	0.46	130.0	± 9.6 %
		Y	5.35	67.17	16.58		130.0	
		Z	5.40	67.38	16.69		130.0	
10603-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)	X	5.33	67.78	17.28	0.46	130.0	± 9.6 %
		Y	5.40	67.40	16.84		130.0	
		Z	5.46	67.65	16.96		130.0	
10604-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)	X	5.20	67.32	17.02	0.46	130.0	± 9.6 %
		Y	5.27	66.98	16.60		130.0	
		Z	5.35	67.32	16.78		130.0	
10605-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)	X	5.29	67.63	17.19	0.46	130.0	± 9.6 %
		Y	5.33	67.16	16.69		130.0	
		Z	5.38	67.39	16.82		130.0	
10606-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)	X	5.14	67.30	16.87	0.46	130.0	± 9.6 %
		Y	5.12	66.62	16.27		130.0	
		Z	5.16	66.82	16.38		130.0	

10607-AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	X	4.38	66.48	16.48	0.46	130.0	± 9.6 %
		Y	4.37	65.68	15.84		130.0	
		Z	4.46	66.03	16.07		130.0	
10608-AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	X	4.49	66.76	16.61	0.46	130.0	± 9.6 %
		Y	4.50	65.99	15.98		130.0	
		Z	4.60	66.37	16.22		130.0	
10609-AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	X	4.40	66.61	16.43	0.46	130.0	± 9.6 %
		Y	4.40	65.81	15.80		130.0	
		Z	4.50	66.21	16.04		130.0	
10610-AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	X	4.45	66.79	16.61	0.46	130.0	± 9.6 %
		Y	4.45	65.98	15.97		130.0	
		Z	4.55	66.37	16.21		130.0	
10611-AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	X	4.36	66.56	16.44	0.46	130.0	± 9.6 %
		Y	4.36	65.77	15.81		130.0	
		Z	4.46	66.17	16.06		130.0	
10612-AAB	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	X	4.33	66.68	16.48	0.46	130.0	± 9.6 %
		Y	4.35	65.88	15.84		130.0	
		Z	4.45	66.30	16.10		130.0	
10613-AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	X	4.33	66.47	16.31	0.46	130.0	± 9.6 %
		Y	4.34	65.70	15.68		130.0	
		Z	4.45	66.12	15.94		130.0	
10614-AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	X	4.31	66.72	16.57	0.46	130.0	± 9.6 %
		Y	4.31	65.92	15.93		130.0	
		Z	4.41	66.33	16.19		130.0	
10615-AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	X	4.35	66.43	16.22	0.46	130.0	± 9.6 %
		Y	4.35	65.61	15.57		130.0	
		Z	4.46	66.02	15.84		130.0	
10616-AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	X	5.02	66.60	16.62	0.46	130.0	± 9.6 %
		Y	5.03	66.05	16.09		130.0	
		Z	5.10	66.36	16.25		130.0	
10617-AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	X	5.05	66.72	16.67	0.46	130.0	± 9.6 %
		Y	5.07	66.17	16.13		130.0	
		Z	5.14	66.50	16.30		130.0	
10618-AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	X	4.96	66.75	16.69	0.46	130.0	± 9.6 %
		Y	4.97	66.21	16.16		130.0	
		Z	5.05	66.56	16.35		130.0	
10619-AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	X	5.03	66.77	16.64	0.46	130.0	± 9.6 %
		Y	5.01	66.10	16.04		130.0	
		Z	5.07	66.37	16.19		130.0	
10620-AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	X	5.04	66.57	16.58	0.46	130.0	± 9.6 %
		Y	5.07	66.08	16.08		130.0	
		Z	5.14	66.38	16.24		130.0	
10621-AAB	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	X	5.05	66.67	16.75	0.46	130.0	± 9.6 %
		Y	5.07	66.16	16.24		130.0	
		Z	5.15	66.49	16.41		130.0	
10622-AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	X	5.05	66.78	16.81	0.46	130.0	± 9.6 %
		Y	5.06	66.25	16.29		130.0	
		Z	5.14	66.58	16.45		130.0	

10623-AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	X	4.96	66.41	16.48	0.46	130.0	± 9.6 %
		Y	4.96	65.81	15.92		130.0	
		Z	5.03	66.14	16.10		130.0	
10624-AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	X	5.14	66.62	16.65	0.46	130.0	± 9.6 %
		Y	5.16	66.09	16.13		130.0	
		Z	5.23	66.40	16.29		130.0	
10625-AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	X	5.23	66.81	16.81	0.46	130.0	± 9.6 %
		Y	5.24	66.23	16.27		130.0	
		Z	5.33	66.59	16.45		130.0	
10626-AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	X	5.37	66.54	16.54	0.46	130.0	± 9.6 %
		Y	5.37	66.08	16.06		130.0	
		Z	5.43	66.40	16.21		130.0	
10627-AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	X	5.62	67.27	16.89	0.46	130.0	± 9.6 %
		Y	5.62	66.78	16.39		130.0	
		Z	5.65	66.98	16.48		130.0	
10628-AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	X	5.36	66.51	16.44	0.46	130.0	± 9.6 %
		Y	5.36	66.07	15.95		130.0	
		Z	5.42	66.39	16.11		130.0	
10629-AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	X	5.56	67.07	16.72	0.46	130.0	± 9.6 %
		Y	5.49	66.34	16.09		130.0	
		Z	5.52	66.54	16.19		130.0	
10630-AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	X	5.66	67.55	16.97	0.46	130.0	± 9.6 %
		Y	5.72	67.24	16.55		130.0	
		Z	5.76	67.49	16.67		130.0	
10631-AAB	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	X	5.63	67.57	17.15	0.46	130.0	± 9.6 %
		Y	5.67	67.19	16.71		130.0	
		Z	5.73	67.50	16.85		130.0	
10632-AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	X	5.69	67.71	17.24	0.46	130.0	± 9.6 %
		Y	5.63	66.98	16.63		130.0	
		Z	5.64	67.12	16.68		130.0	
10633-AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	X	5.36	66.53	16.48	0.46	130.0	± 9.6 %
		Y	5.38	66.12	16.02		130.0	
		Z	5.47	66.52	16.21		130.0	
10634-AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	X	5.40	66.78	16.65	0.46	130.0	± 9.6 %
		Y	5.41	66.32	16.17		130.0	
		Z	5.48	66.65	16.33		130.0	
10635-AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	X	5.26	66.02	16.01	0.46	130.0	± 9.6 %
		Y	5.27	65.59	15.53		130.0	
		Z	5.34	65.94	15.71		130.0	
10636-AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	X	5.83	66.88	16.62	0.46	130.0	± 9.6 %
		Y	5.82	66.47	16.18		130.0	
		Z	5.86	66.75	16.30		130.0	
10637-AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	X	5.94	67.19	16.77	0.46	130.0	± 9.6 %
		Y	5.94	66.79	16.33		130.0	
		Z	5.98	67.06	16.44		130.0	
10638-AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	X	6.01	67.39	16.85	0.46	130.0	± 9.6 %
		Y	5.96	66.85	16.33		130.0	
		Z	6.00	67.11	16.45		130.0	

10639-AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	X	5.91	67.09	16.74	0.46	130.0	± 9.6 %
		Y	5.91	66.70	16.30		130.0	
		Z	5.96	67.00	16.43		130.0	
10640-AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	X	5.83	66.88	16.58	0.46	130.0	± 9.6 %
		Y	5.86	66.56	16.17		130.0	
		Z	5.93	66.93	16.34		130.0	
10641-AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	X	5.99	67.15	16.74	0.46	130.0	± 9.6 %
		Y	5.98	66.73	16.28		130.0	
		Z	6.02	66.98	16.39		130.0	
10642-AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	X	5.96	67.18	16.91	0.46	130.0	± 9.6 %
		Y	5.99	66.86	16.51		130.0	
		Z	6.04	67.17	16.64		130.0	
10643-AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	X	5.82	66.90	16.67	0.46	130.0	± 9.6 %
		Y	5.84	66.57	16.25		130.0	
		Z	5.89	66.88	16.40		130.0	
10644-AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	X	5.87	67.05	16.76	0.46	130.0	± 9.6 %
		Y	5.88	66.71	16.35		130.0	
		Z	5.96	67.09	16.52		130.0	
10645-AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	X	6.02	67.22	16.81	0.46	130.0	± 9.6 %
		Y	6.06	66.92	16.42		130.0	
		Z	6.08	67.13	16.51		130.0	
10646-AAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	X	7.45	98.05	36.37	9.30	60.0	± 9.6 %
		Y	5.70	87.94	31.48		60.0	
		Z	10.68	104.19	37.43		60.0	
10647-AAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	X	6.28	94.10	35.07	9.30	60.0	± 9.6 %
		Y	5.09	85.56	30.67		60.0	
		Z	8.75	99.75	36.06		60.0	
10648-AAA	CDMA2000 (1x Advanced)	X	0.35	60.00	5.99	0.00	150.0	± 9.6 %
		Y	0.42	60.00	6.66		150.0	
		Z	0.51	61.64	8.47		150.0	
10652-AAC	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	3.43	68.40	17.05	2.23	80.0	± 9.6 %
		Y	3.04	65.40	15.46		80.0	
		Z	3.29	66.60	16.23		80.0	
10653-AAC	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	X	3.85	66.81	17.07	2.23	80.0	± 9.6 %
		Y	3.63	65.00	15.94		80.0	
		Z	3.82	65.84	16.44		80.0	
10654-AAC	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	X	3.86	66.20	17.05	2.23	80.0	± 9.6 %
		Y	3.67	64.66	16.00		80.0	
		Z	3.83	65.44	16.46		80.0	
10655-AAD	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	3.94	66.00	17.05	2.23	80.0	± 9.6 %
		Y	3.75	64.59	16.05		80.0	
		Z	3.91	65.37	16.49		80.0	
10658-AAA	Pulse Waveform (200Hz, 10%)	X	100.00	108.27	24.21	10.00	50.0	± 9.6 %
		Y	20.54	89.19	19.09		50.0	
		Z	100.00	106.85	23.58		50.0	
10659-AAA	Pulse Waveform (200Hz, 20%)	X	100.00	109.79	23.79	6.99	60.0	± 9.6 %
		Y	100.00	105.04	21.61		60.0	
		Z	100.00	107.25	22.69		60.0	

10660-AAA	Pulse Waveform (200Hz, 40%)	X	100.00	116.02	25.06	3.98	80.0	± 9.6 %
		Y	100.00	103.57	19.60		80.0	
		Z	100.00	110.44	22.79		80.0	
10661-AAA	Pulse Waveform (200Hz, 60%)	X	100.00	127.15	28.10	2.22	100.0	± 9.6 %
		Y	100.00	96.83	15.82		100.0	
		Z	100.00	114.65	23.34		100.0	
10662-AAA	Pulse Waveform (200Hz, 80%)	X	99.99	357.35	106.97	0.97	120.0	± 9.6 %
		Y	0.15	60.00	2.92		120.0	
		Z	100.00	114.05	21.55		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.



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Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: **SCS 0108**

Client **PC Test**

Certificate No: **EX3-7490_Jan18**

CALIBRATION CERTIFICATE

Object **EX3DV4 - SN:7490**

Calibration procedure(s) **QA CAL-01.v9, QA CAL-14.v4, QA CAL-23.v5, QA CAL-25.v6**
Calibration procedure for dosimetric E-field probes

SCV
2/16/2018

Calibration date: **January 26, 2018**

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).
The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature (22 ± 3)°C and humidity < 70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	04-Apr-17 (No. 217-02521/02522)	Apr-18
Power sensor NRP-Z91	SN: 103244	04-Apr-17 (No. 217-02521)	Apr-18
Power sensor NRP-Z91	SN: 103245	04-Apr-17 (No. 217-02525)	Apr-18
Reference 20 dB Attenuator	SN: S5277 (20x)	07-Apr-17 (No. 217-02528)	Apr-18
Reference Probe ES3DV2	SN: 3013	30-Dec-17 (No. ES3-3013_Dec17)	Dec-18
DAE4	SN: 660	21-Dec-17 (No. DAE4-660_Dec17)	Dec-18
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-16)	In house check: Jun-18
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-16)	In house check: Jun-18
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-16)	In house check: Jun-18
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-16)	In house check: Jun-18
Network Analyzer HP 8753E	SN: US37390585	18-Oct-01 (in house check Oct-17)	In house check: Oct-18

Calibrated by:	Name Leif Klysner	Function Laboratory Technician	Signature
Approved by:	Name Katja Pokovic	Function Technical Manager	Signature
			Issued: January 27, 2018

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.



Accredited by the Swiss Accreditation Service (SAS)

Accreditation No.: **SCS 0108**

The Swiss Accreditation Service is one of the signatories to the EA
 Multilateral Agreement for the recognition of calibration certificates

Glossary:

TSL	tissue simulating liquid
NORM _{x,y,z}	sensitivity in free space
ConvF	sensitivity in TSL / NORM _{x,y,z}
DCP	diode compression point
CF	crest factor (1/duty_cycle) of the RF signal
A, B, C, D	modulation dependent linearization parameters
Polarization ϕ	ϕ rotation around probe axis
Polarization ϑ	ϑ rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., $\vartheta = 0$ is normal to probe axis
Connector Angle	information used in DASY system to align probe sensor X to the robot coordinate system

Calibration is Performed According to the Following Standards:

- IEEE Std 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", June 2013
- IEC 62209-1, "Measurement procedure for the assessment of Specific Absorption Rate (SAR) from hand-held and body-mounted devices used next to the ear (frequency range of 300 MHz to 6 GHz)", July 2016
- IEC 62209-2, "Procedure to determine the Specific Absorption Rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz)", March 2010
- KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Methods Applied and Interpretation of Parameters:

- NORM_{x,y,z}**: Assessed for E-field polarization $\vartheta = 0$ ($f \leq 900$ MHz in TEM-cell; $f > 1800$ MHz: R22 waveguide). NORM_{x,y,z} are only intermediate values, i.e., the uncertainties of NORM_{x,y,z} does not affect the E^2 -field uncertainty inside TSL (see below ConvF).
- NORM(f)_{x,y,z}** = NORM_{x,y,z} * frequency_response (see Frequency Response Chart). This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of ConvF.
- DCP_{x,y,z}**: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal (no uncertainty required). DCP does not depend on frequency nor media.
- PAR**: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- A_{x,y,z}; B_{x,y,z}; C_{x,y,z}; D_{x,y,z}; VR_{x,y,z}**: A, B, C, D are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum calibration range expressed in RMS voltage across the diode.
- ConvF and Boundary Effect Parameters**: Assessed in flat phantom using E-field (or Temperature Transfer Standard for $f \leq 800$ MHz) and inside waveguide using analytical field distributions based on power measurements for $f > 800$ MHz. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to NORM_{x,y,z} * ConvF whereby the uncertainty corresponds to that given for ConvF. A frequency dependent ConvF is used in DASY version 4.4 and higher which allows extending the validity from ± 50 MHz to ± 100 MHz.
- Spherical isotropy (3D deviation from isotropy)**: in a field of low gradients realized using a flat phantom exposed by a patch antenna.
- Sensor Offset**: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.
- Connector Angle**: The angle is assessed using the information gained by determining the NORM_x (no uncertainty required).

Probe EX3DV4

SN:7490

Manufactured: March 20, 2017
Calibrated: January 26, 2018

Calibrated for DASY/EASY Systems
(Note: non-compatible with DASY2 system!)

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7490

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm ($\mu\text{V}/(\text{V}/\text{m})^2$) ^A	0.38	0.43	0.51	$\pm 10.1 \%$
DCP (mV) ^B	98.5	97.9	95.7	

Modulation Calibration Parameters

UID	Communication System Name		A dB	B dB $\sqrt{\mu\text{V}}$	C	D dB	VR mV	Unc ^E (k=2)
0	CW	X	0.0	0.0	1.0	0.00	140.0	$\pm 3.5 \%$
		Y	0.0	0.0	1.0		144.6	
		Z	0.0	0.0	1.0		139.9	

Note: For details on UID parameters see Appendix.

Sensor Model Parameters

	C1 fF	C2 fF	α V^{-1}	T1 $\text{ms} \cdot \text{V}^{-2}$	T2 $\text{ms} \cdot \text{V}^{-1}$	T3 ms	T4 V^{-2}	T5 V^{-1}	T6
X	33.66	250.6	35.51	5.627	0.000	4.997	1.696	0.036	1.006
Y	32.74	252.0	37.44	3.509	0.163	5.025	0.359	0.334	1.006
Z	37.42	282.8	36.41	7.740	0.000	5.071	0.000	0.345	1.006

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor $k=2$, which for a normal distribution corresponds to a coverage probability of approximately 95%.

^A The uncertainties of Norm X,Y,Z do not affect the E^2 -field uncertainty inside TSL (see Pages 5 and 6).

^B Numerical linearization parameter: uncertainty not required.

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

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7490

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) ^C	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)
750	41.9	0.89	10.38	10.38	10.38	0.43	0.85	± 12.0 %
835	41.5	0.90	10.14	10.14	10.14	0.39	0.86	± 12.0 %
1750	40.1	1.37	8.81	8.81	8.81	0.35	0.84	± 12.0 %
1900	40.0	1.40	8.52	8.52	8.52	0.30	0.85	± 12.0 %
2300	39.5	1.67	8.26	8.26	8.26	0.29	0.84	± 12.0 %
2450	39.2	1.80	7.89	7.89	7.89	0.33	0.80	± 12.0 %
2600	39.0	1.96	7.66	7.66	7.66	0.34	0.89	± 12.0 %
5250	35.9	4.71	5.46	5.46	5.46	0.35	1.80	± 13.1 %
5600	35.5	5.07	4.75	4.75	4.75	0.40	1.80	± 13.1 %
5750	35.4	5.22	4.99	4.99	4.99	0.40	1.80	± 13.1 %

^C Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ± 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Above 5 GHz frequency validity can be extended to ± 110 MHz.

^F At frequencies below 3 GHz, the validity of tissue parameters (ϵ and σ) can be relaxed to ± 10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters (ϵ and σ) is restricted to ± 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

^G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ± 1% for frequencies below 3 GHz and below ± 2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7490

Calibration Parameter Determined in Body Tissue Simulating Media

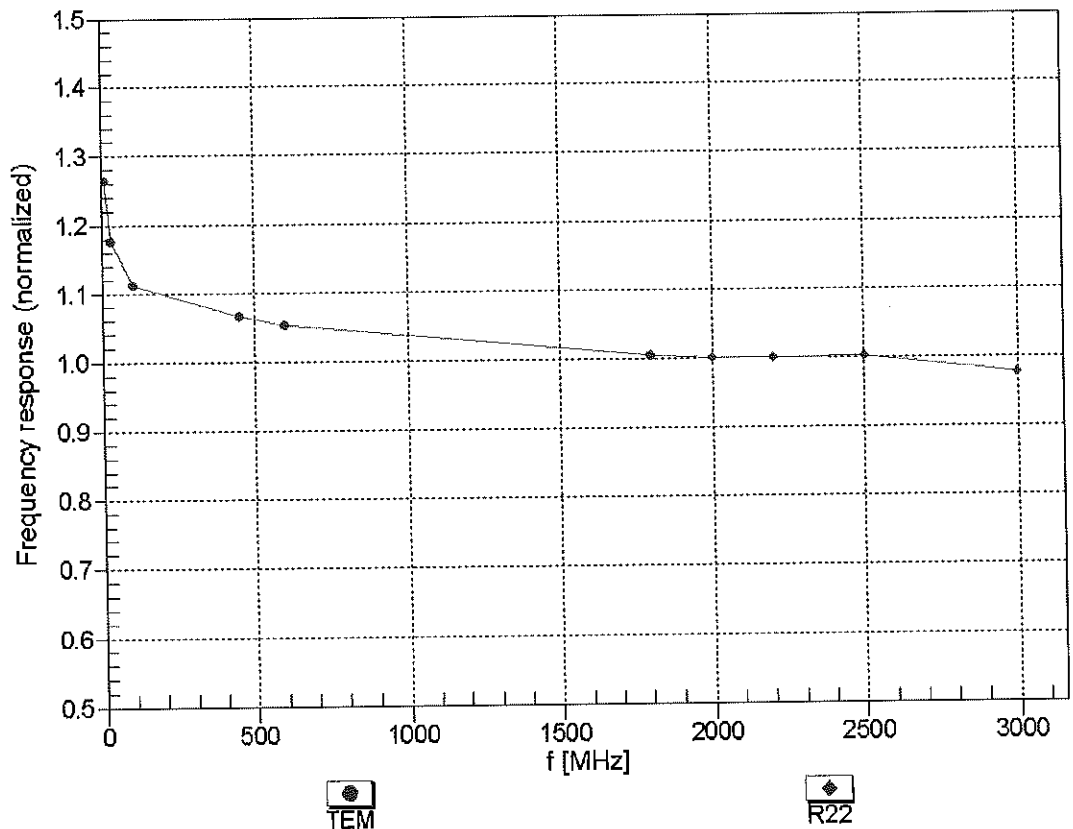
f (MHz) ^C	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)
750	55.5	0.96	10.66	10.66	10.66	0.32	1.04	± 12.0 %
835	55.2	0.97	10.30	10.30	10.30	0.46	0.85	± 12.0 %
1750	53.4	1.49	8.69	8.69	8.69	0.45	0.80	± 12.0 %
1900	53.3	1.52	8.32	8.32	8.32	0.41	0.84	± 12.0 %
2300	52.9	1.81	8.09	8.09	8.09	0.35	0.90	± 12.0 %
2450	52.7	1.95	8.07	8.07	8.07	0.30	0.95	± 12.0 %
2600	52.5	2.16	7.69	7.69	7.69	0.32	0.95	± 12.0 %
5250	48.9	5.36	5.14	5.14	5.14	0.35	1.90	± 13.1 %
5600	48.5	5.77	4.21	4.21	4.21	0.40	1.90	± 13.1 %
5750	48.3	5.94	4.51	4.51	4.51	0.45	1.90	± 13.1 %

^C Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ± 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Above 5 GHz frequency validity can be extended to ± 110 MHz.

^F At frequencies below 3 GHz, the validity of tissue parameters (ϵ and σ) can be relaxed to ± 10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters (ϵ and σ) is restricted to ± 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

^G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ± 1% for frequencies below 3 GHz and below ± 2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.

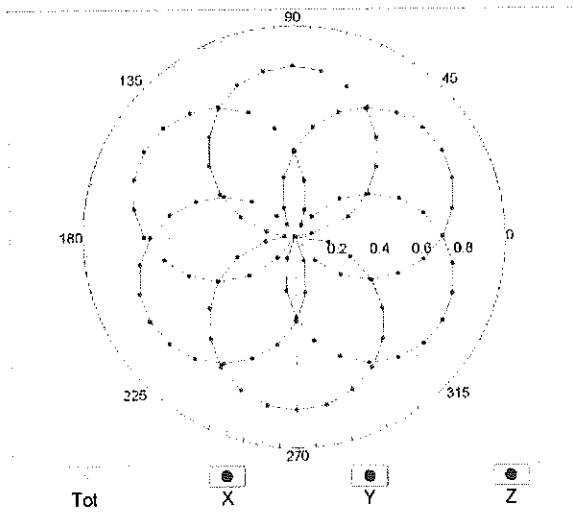
Frequency Response of E-Field
(TEM-Cell:ifi110 EXX, Waveguide: R22)



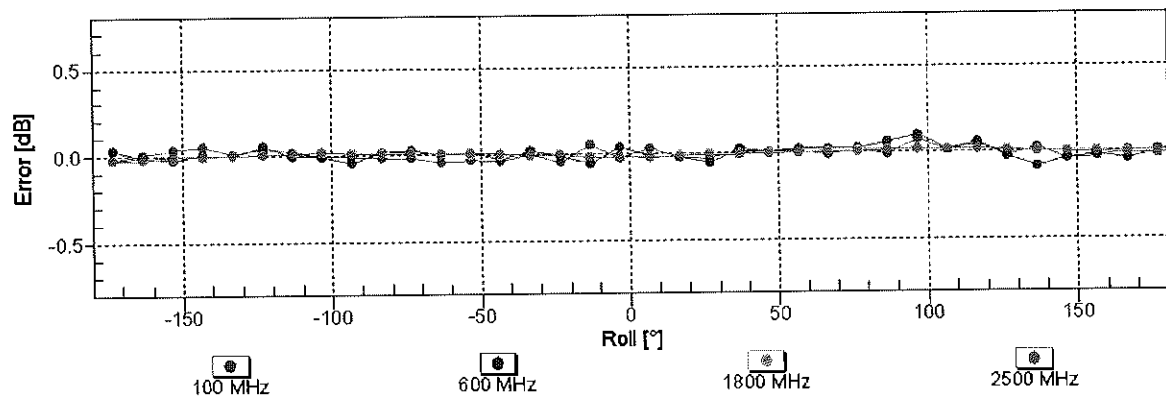
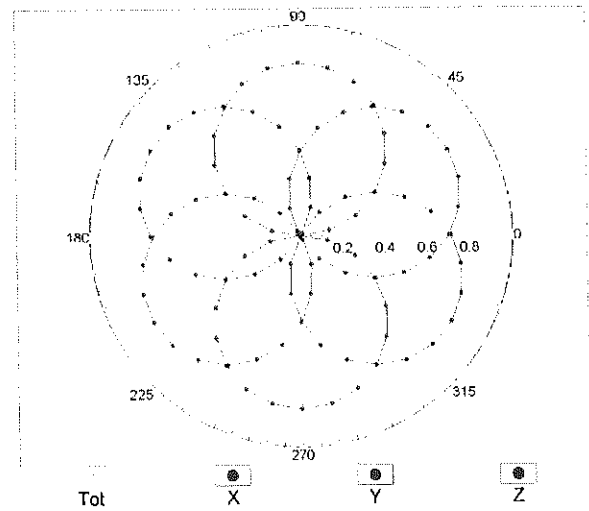
Uncertainty of Frequency Response of E-field: $\pm 6.3\%$ ($k=2$)

Receiving Pattern (ϕ), $\theta = 0^\circ$

$f=600$ MHz, TEM

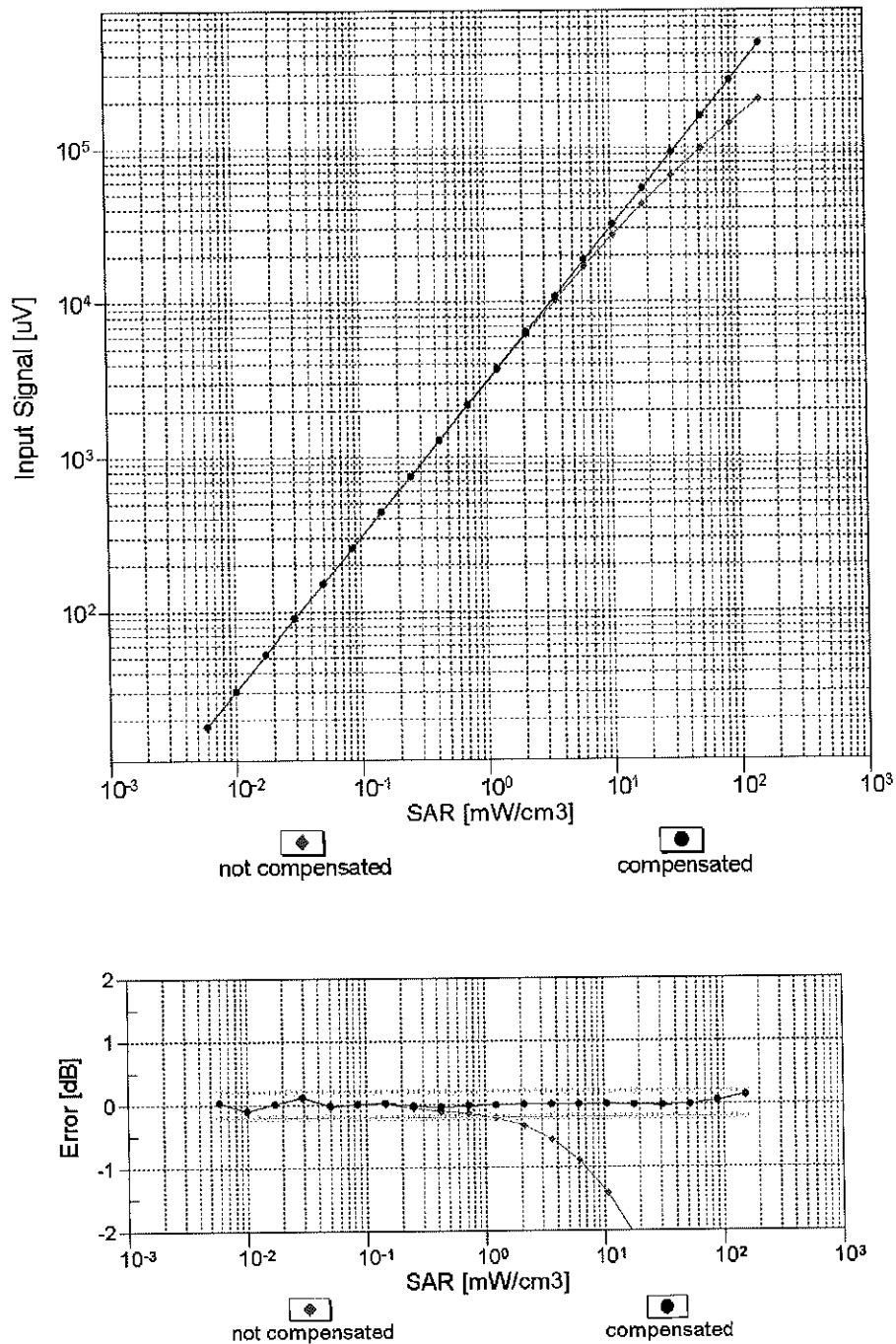


$f=1800$ MHz, R22



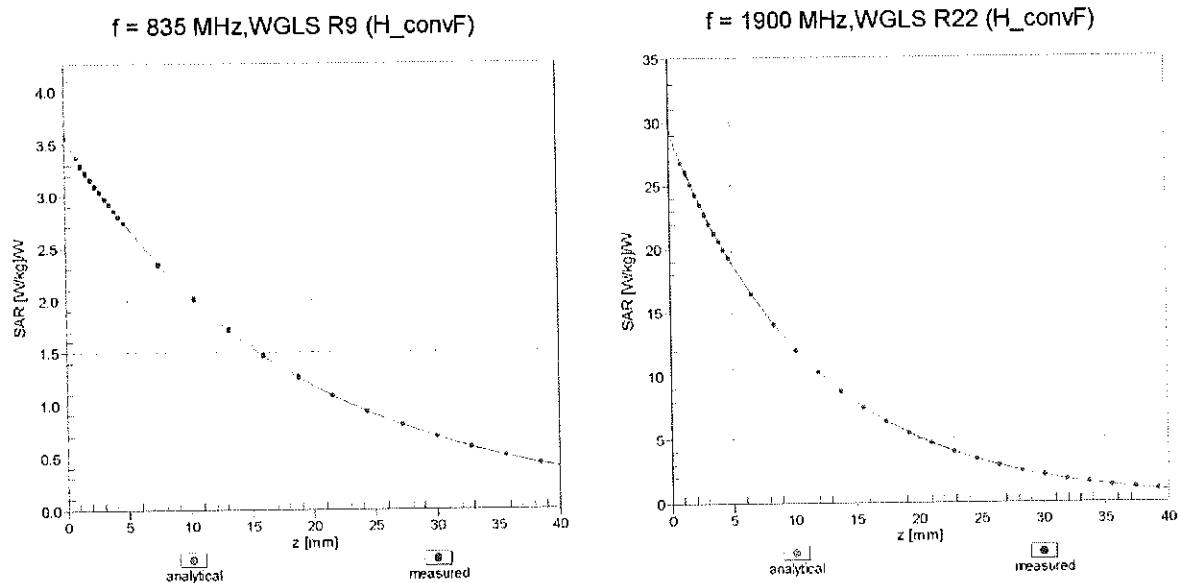
Uncertainty of Axial Isotropy Assessment: $\pm 0.5\%$ ($k=2$)

Dynamic Range f(SAR_{head})
(TEM cell , f_{eval}= 1900 MHz)



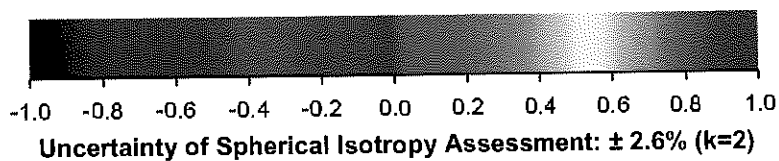
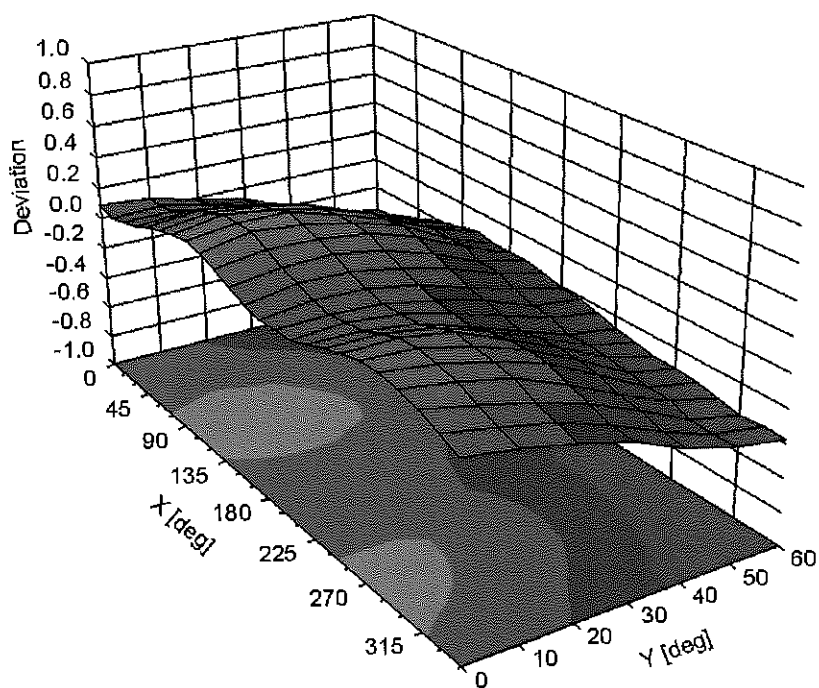
Uncertainty of Linearity Assessment: ± 0.6% (k=2)

Conversion Factor Assessment



Deviation from Isotropy in Liquid

Error (ϕ , θ), $f = 900 \text{ MHz}$



DASY/EASY - Parameters of Probe: EX3DV4 - SN:7490

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	-23.2
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm

Appendix: Modulation Calibration Parameters

UID	Communication System Name		A dB	B dB $\sqrt{\mu V}$	C	D dB	VR mV	Max Unc ^E (k=2)
0	CW	X	0.00	0.00	1.00	0.00	140.0	$\pm 3.5 \%$
		Y	0.00	0.00	1.00		144.6	
		Z	0.00	0.00	1.00		139.9	
10010- CAA	SAR Validation (Square, 100ms, 10ms)	X	1.30	61.38	6.72	10.00	20.0	$\pm 9.6 \%$
		Y	1.36	61.26	6.75		20.0	
		Z	1.76	64.62	8.99		20.0	
10011- CAB	UMTS-FDD (WCDMA)	X	1.07	69.33	16.25	0.00	150.0	$\pm 9.6 \%$
		Y	0.80	64.87	13.07		150.0	
		Z	1.04	68.24	15.67		150.0	
10012- CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	X	1.12	63.93	15.36	0.41	150.0	$\pm 9.6 \%$
		Y	1.01	62.41	14.00		150.0	
		Z	1.14	63.88	15.40		150.0	
10013- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	X	4.61	66.70	16.96	1.46	150.0	$\pm 9.6 \%$
		Y	4.53	66.37	16.73		150.0	
		Z	4.73	66.80	17.19		150.0	
10021- DAC	GSM-FDD (TDMA, GMSK)	X	7.49	77.69	14.36	9.39	50.0	$\pm 9.6 \%$
		Y	5.81	75.44	13.94		50.0	
		Z	100.00	111.54	25.38		50.0	
10023- DAC	GPRS-FDD (TDMA, GMSK, TN 0)	X	4.68	73.01	12.78	9.57	50.0	$\pm 9.6 \%$
		Y	4.25	72.06	12.73		50.0	
		Z	100.00	110.58	25.00		50.0	
10024- DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	X	100.00	99.84	18.79	6.56	60.0	$\pm 9.6 \%$
		Y	3.28	72.62	11.75		60.0	
		Z	100.00	116.01	26.23		60.0	
10025- DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	X	4.43	75.85	29.78	12.57	50.0	$\pm 9.6 \%$
		Y	3.30	65.29	23.38		50.0	
		Z	5.60	84.24	35.07		50.0	
10026- DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	X	5.43	83.15	29.92	9.56	60.0	$\pm 9.6 \%$
		Y	4.75	79.10	27.92		60.0	
		Z	6.58	88.53	32.93		60.0	
10027- DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	X	100.00	100.52	18.40	4.80	80.0	$\pm 9.6 \%$
		Y	2.04	70.52	10.18		80.0	
		Z	100.00	123.36	28.53		80.0	
10028- DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	X	100.00	103.01	18.87	3.55	100.0	$\pm 9.6 \%$
		Y	0.51	62.95	6.58		100.0	
		Z	100.00	134.03	32.15		100.0	
10029- DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	X	3.64	73.78	24.55	7.80	80.0	$\pm 9.6 \%$
		Y	3.34	71.51	23.34		80.0	
		Z	4.18	76.95	26.59		80.0	
10030- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	X	11.26	81.95	13.83	5.30	70.0	$\pm 9.6 \%$
		Y	0.96	64.08	7.79		70.0	
		Z	100.00	115.51	25.51		70.0	
10031- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	X	100.00	93.95	14.27	1.88	100.0	$\pm 9.6 \%$
		Y	0.26	60.00	2.61		100.0	
		Z	100.00	135.95	31.13		100.0	

10032-CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	X	100.00	102.24	16.81	1.17	100.0	± 9.6 %
		Y	4.76	67.08	2.08		100.0	
		Z	100.00	163.19	40.16		100.0	
10033-CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	X	5.18	82.93	20.02	5.30	70.0	± 9.6 %
		Y	3.01	75.08	16.84		70.0	
		Z	100.00	131.72	35.09		70.0	
10034-CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	X	1.81	71.75	14.48	1.88	100.0	± 9.6 %
		Y	1.01	64.78	10.62		100.0	
		Z	4.79	85.13	20.46		100.0	
10035-CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	X	1.43	69.85	13.51	1.17	100.0	± 9.6 %
		Y	0.82	63.38	9.59		100.0	
		Z	2.39	76.52	17.08		100.0	
10036-CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	X	7.16	87.65	21.63	5.30	70.0	± 9.6 %
		Y	3.60	77.69	17.89		70.0	
		Z	100.00	132.41	35.39		70.0	
10037-CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	X	1.61	70.48	13.96	1.88	100.0	± 9.6 %
		Y	0.96	64.30	10.38		100.0	
		Z	3.86	82.45	19.58		100.0	
10038-CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	X	1.44	70.22	13.81	1.17	100.0	± 9.6 %
		Y	0.82	63.53	9.79		100.0	
		Z	2.41	76.99	17.41		100.0	
10039-CAB	CDMA2000 (1xRTT, RC1)	X	1.63	71.81	14.08	0.00	150.0	± 9.6 %
		Y	0.72	62.59	8.69		150.0	
		Z	1.57	70.90	14.13		150.0	
10042-CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	X	2.07	67.31	9.84	7.78	50.0	± 9.6 %
		Y	1.57	64.78	8.79		50.0	
		Z	100.00	108.73	23.38		50.0	
10044-CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	X	0.00	103.21	1.81	0.00	150.0	± 9.6 %
		Y	0.07	121.28	6.55		150.0	
		Z	0.00	103.45	3.03		150.0	
10048-CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	X	3.46	65.63	11.10	13.80	25.0	± 9.6 %
		Y	3.94	66.46	11.85		25.0	
		Z	100.00	105.10	24.09		25.0	
10049-CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	X	3.44	68.56	11.20	10.79	40.0	± 9.6 %
		Y	3.61	68.77	11.61		40.0	
		Z	508.75	125.50	27.80		40.0	
10056-CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	X	20.84	95.60	23.61	9.03	50.0	± 9.6 %
		Y	10.74	86.04	20.65		50.0	
		Z	100.00	124.55	33.03		50.0	
10058-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	X	3.04	70.33	22.11	6.55	100.0	± 9.6 %
		Y	2.83	68.60	21.16		100.0	
		Z	3.41	72.64	23.68		100.0	
10059-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	X	1.11	64.56	15.73	0.61	110.0	± 9.6 %
		Y	1.00	62.89	14.29		110.0	
		Z	1.15	64.80	16.00		110.0	
10060-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	X	5.53	99.95	27.34	1.30	110.0	± 9.6 %
		Y	1.31	76.58	18.46		110.0	
		Z	56.23	138.70	37.66		110.0	

10061-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	X	1.64	73.96	19.95	2.04	110.0	± 9.6 %
		Y	1.27	69.64	17.54		110.0	
		Z	2.25	79.57	22.91		110.0	
10062-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	X	4.44	66.80	16.48	0.49	100.0	± 9.6 %
		Y	4.34	66.35	16.16		100.0	
		Z	4.53	66.78	16.59		100.0	
10063-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	X	4.45	66.86	16.55	0.72	100.0	± 9.6 %
		Y	4.35	66.43	16.24		100.0	
		Z	4.55	66.87	16.69		100.0	
10064-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	X	4.68	67.02	16.72	0.86	100.0	± 9.6 %
		Y	4.58	66.63	16.45		100.0	
		Z	4.80	67.08	16.90		100.0	
10065-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	X	4.53	66.81	16.76	1.21	100.0	± 9.6 %
		Y	4.44	66.43	16.50		100.0	
		Z	4.66	66.94	16.99		100.0	
10066-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	X	4.53	66.75	16.88	1.46	100.0	± 9.6 %
		Y	4.44	66.40	16.63		100.0	
		Z	4.67	66.94	17.16		100.0	
10067-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	X	4.80	66.99	17.32	2.04	100.0	± 9.6 %
		Y	4.72	66.69	17.12		100.0	
		Z	4.96	67.20	17.65		100.0	
10068-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	X	4.81	66.84	17.44	2.55	100.0	± 9.6 %
		Y	4.74	66.57	17.27		100.0	
		Z	4.98	67.10	17.82		100.0	
10069-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	X	4.87	66.85	17.62	2.67	100.0	± 9.6 %
		Y	4.80	66.59	17.45		100.0	
		Z	5.05	67.14	18.02		100.0	
10071-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	X	4.68	66.70	17.20	1.99	100.0	± 9.6 %
		Y	4.61	66.41	17.01		100.0	
		Z	4.81	66.85	17.49		100.0	
10072-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	X	4.62	66.87	17.35	2.30	100.0	± 9.6 %
		Y	4.54	66.57	17.16		100.0	
		Z	4.76	67.10	17.70		100.0	
10073-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	X	4.65	66.98	17.64	2.83	100.0	± 9.6 %
		Y	4.59	66.71	17.47		100.0	
		Z	4.81	67.25	18.03		100.0	
10074-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	X	4.64	66.88	17.76	3.30	100.0	± 9.6 %
		Y	4.59	66.64	17.61		100.0	
		Z	4.80	67.15	18.18		100.0	
10075-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	X	4.64	66.81	17.97	3.82	90.0	± 9.6 %
		Y	4.60	66.60	17.83		90.0	
		Z	4.81	67.14	18.44		90.0	
10076-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	X	4.67	66.67	18.12	4.15	90.0	± 9.6 %
		Y	4.64	66.47	18.00		90.0	
		Z	4.84	66.97	18.60		90.0	
10077-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	X	4.70	66.75	18.23	4.30	90.0	± 9.6 %
		Y	4.67	66.56	18.11		90.0	
		Z	4.86	67.05	18.70		90.0	

10081-CAB	CDMA2000 (1xRTT, RC3)	X	0.70	65.46	10.84	0.00	150.0	± 9.6 %
		Y	0.40	60.16	6.65		150.0	
		Z	0.71	65.07	11.03		150.0	
10082-CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	X	6.88	60.12	1.56	4.77	80.0	± 9.6 %
		Y	3.08	113.02	6.82		80.0	
		Z	0.54	60.00	3.49		80.0	
10090-DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	X	100.00	99.83	18.80	6.56	60.0	± 9.6 %
		Y	3.49	73.11	11.93		60.0	
		Z	100.00	116.03	26.26		60.0	
10097-CAB	UMTS-FDD (HSDPA)	X	1.91	69.70	16.32	0.00	150.0	± 9.6 %
		Y	1.57	66.54	14.18		150.0	
		Z	1.85	68.62	15.90		150.0	
10098-CAB	UMTS-FDD (HSUPA, Subtest 2)	X	1.88	69.66	16.31	0.00	150.0	± 9.6 %
		Y	1.54	66.46	14.14		150.0	
		Z	1.81	68.58	15.88		150.0	
10099-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	X	5.47	83.31	29.98	9.56	60.0	± 9.6 %
		Y	4.78	79.22	27.97		60.0	
		Z	6.64	88.74	33.01		60.0	
10100-CAD	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	3.04	70.82	17.15	0.00	150.0	± 9.6 %
		Y	2.68	68.57	15.78		150.0	
		Z	3.04	70.38	16.88		150.0	
10101-CAD	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	3.12	67.72	16.13	0.00	150.0	± 9.6 %
		Y	2.93	66.55	15.31		150.0	
		Z	3.14	67.50	16.01		150.0	
10102-CAD	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	3.22	67.72	16.22	0.00	150.0	± 9.6 %
		Y	3.04	66.62	15.45		150.0	
		Z	3.24	67.48	16.09		150.0	
10103-CAD	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	4.75	73.08	19.51	3.98	65.0	± 9.6 %
		Y	4.31	71.37	18.75		65.0	
		Z	5.34	74.94	20.70		65.0	
10104-CAD	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	4.86	70.99	19.27	3.98	65.0	± 9.6 %
		Y	4.56	69.80	18.70		65.0	
		Z	5.31	72.41	20.28		65.0	
10105-CAD	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	4.59	69.61	18.91	3.98	65.0	± 9.6 %
		Y	4.33	68.48	18.36		65.0	
		Z	5.30	72.11	20.44		65.0	
10108-CAE	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	2.62	70.23	17.01	0.00	150.0	± 9.6 %
		Y	2.30	67.93	15.55		150.0	
		Z	2.63	69.73	16.73		150.0	
10109-CAE	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	2.77	67.81	16.04	0.00	150.0	± 9.6 %
		Y	2.55	66.42	15.04		150.0	
		Z	2.79	67.48	15.89		150.0	
10110-CAE	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	2.12	69.66	16.58	0.00	150.0	± 9.6 %
		Y	1.79	66.96	14.77		150.0	
		Z	2.12	69.03	16.29		150.0	
10111-CAE	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	2.56	69.45	16.43	0.00	150.0	± 9.6 %
		Y	2.23	67.20	14.90		150.0	
		Z	2.53	68.68	16.15		150.0	

10112-CAE	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	2.89	67.87	16.10	0.00	150.0	± 9.6 %
		Y	2.68	66.55	15.16		150.0	
		Z	2.91	67.51	15.95		150.0	
10113-CAE	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	2.70	69.60	16.55	0.00	150.0	± 9.6 %
		Y	2.38	67.45	15.09		150.0	
		Z	2.67	68.83	16.28		150.0	
10114-CAC	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	X	4.94	67.27	16.54	0.00	150.0	± 9.6 %
		Y	4.84	66.84	16.24		150.0	
		Z	4.99	67.16	16.49		150.0	
10115-CAC	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	X	5.18	67.31	16.55	0.00	150.0	± 9.6 %
		Y	5.08	66.91	16.28		150.0	
		Z	5.24	67.24	16.54		150.0	
10116-CAC	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	X	5.02	67.44	16.55	0.00	150.0	± 9.6 %
		Y	4.91	66.99	16.24		150.0	
		Z	5.08	67.36	16.53		150.0	
10117-CAC	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	X	4.93	67.20	16.52	0.00	150.0	± 9.6 %
		Y	4.82	66.73	16.20		150.0	
		Z	4.98	67.11	16.49		150.0	
10118-CAC	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	X	5.25	67.52	16.66	0.00	150.0	± 9.6 %
		Y	5.16	67.13	16.40		150.0	
		Z	5.32	67.43	16.64		150.0	
10119-CAC	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	X	5.02	67.46	16.57	0.00	150.0	± 9.6 %
		Y	4.92	67.02	16.27		150.0	
		Z	5.07	67.35	16.53		150.0	
10140-CAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	3.24	67.75	16.13	0.00	150.0	± 9.6 %
		Y	3.05	66.64	15.35		150.0	
		Z	3.27	67.51	16.01		150.0	
10141-CAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	3.37	67.91	16.32	0.00	150.0	± 9.6 %
		Y	3.18	66.85	15.58		150.0	
		Z	3.39	67.64	16.19		150.0	
10142-CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	1.90	69.91	15.99	0.00	150.0	± 9.6 %
		Y	1.50	66.29	13.59		150.0	
		Z	1.89	69.09	15.72		150.0	
10143-CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	2.41	70.20	15.66	0.00	150.0	± 9.6 %
		Y	1.89	66.54	13.32		150.0	
		Z	2.36	69.31	15.48		150.0	
10144-CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	1.97	66.46	13.28	0.00	150.0	± 9.6 %
		Y	1.67	64.17	11.55		150.0	
		Z	2.04	66.34	13.48		150.0	
10145-CAE	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	0.75	61.48	8.00	0.00	150.0	± 9.6 %
		Y	0.62	60.00	6.26		150.0	
		Z	0.87	62.33	9.00		150.0	
10146-CAE	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	0.96	60.52	6.46	0.00	150.0	± 9.6 %
		Y	0.79	59.19	5.28		150.0	
		Z	1.10	61.50	7.85		150.0	
10147-CAE	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	1.00	60.87	6.75	0.00	150.0	± 9.6 %
		Y	0.87	60.00	5.87		150.0	
		Z	1.17	62.08	8.27		150.0	

10149-CAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	2.78	67.89	16.09	0.00	150.0	± 9.6 %
		Y	2.56	66.49	15.09		150.0	
		Z	2.80	67.54	15.94		150.0	
10150-CAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	2.90	67.94	16.15	0.00	150.0	± 9.6 %
		Y	2.69	66.61	15.21		150.0	
		Z	2.92	67.57	16.00		150.0	
10151-CAD	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	4.93	75.72	20.65	3.98	65.0	± 9.6 %
		Y	4.39	73.70	19.75		65.0	
		Z	5.80	78.48	22.25		65.0	
10152-CAD	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	4.38	70.85	18.75	3.98	65.0	± 9.6 %
		Y	4.07	69.55	18.08		65.0	
		Z	4.87	72.51	19.96		65.0	
10153-CAD	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	4.72	71.96	19.63	3.98	65.0	± 9.6 %
		Y	4.39	70.67	19.00		65.0	
		Z	5.21	73.53	20.77		65.0	
10154-CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	2.17	70.09	16.84	0.00	150.0	± 9.6 %
		Y	1.82	67.28	14.98		150.0	
		Z	2.16	69.41	16.52		150.0	
10155-CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	2.56	69.50	16.47	0.00	150.0	± 9.6 %
		Y	2.24	67.25	14.93		150.0	
		Z	2.53	68.71	16.18		150.0	
10156-CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	1.73	69.79	15.44	0.00	150.0	± 9.6 %
		Y	1.28	65.46	12.59		150.0	
		Z	1.71	68.96	15.24		150.0	
10157-CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	1.78	66.72	12.97	0.00	150.0	± 9.6 %
		Y	1.42	63.74	10.79		150.0	
		Z	1.85	66.66	13.25		150.0	
10158-CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	2.71	69.70	16.61	0.00	150.0	± 9.6 %
		Y	2.38	67.54	15.14		150.0	
		Z	2.68	68.92	16.34		150.0	
10159-CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	1.87	67.08	13.18	0.00	150.0	± 9.6 %
		Y	1.47	63.90	10.91		150.0	
		Z	1.94	67.02	13.47		150.0	
10160-CAD	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	2.65	69.49	16.75	0.00	150.0	± 9.6 %
		Y	2.39	67.64	15.48		150.0	
		Z	2.67	69.05	16.53		150.0	
10161-CAD	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	2.79	67.95	16.04	0.00	150.0	± 9.6 %
		Y	2.57	66.52	15.01		150.0	
		Z	2.81	67.55	15.89		150.0	
10162-CAD	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	2.91	68.19	16.19	0.00	150.0	± 9.6 %
		Y	2.68	66.78	15.17		150.0	
		Z	2.92	67.77	16.03		150.0	
10166-CAE	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	3.23	69.89	19.51	3.01	150.0	± 9.6 %
		Y	2.97	68.07	18.40		150.0	
		Z	3.16	68.64	18.88		150.0	
10167-CAE	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	4.06	74.10	20.46	3.01	150.0	± 9.6 %
		Y	3.41	70.43	18.61		150.0	
		Z	3.61	70.97	19.14		150.0	

10168-CAE	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	4.79	77.69	22.39	3.01	150.0	± 9.6 %
		Y	3.86	73.18	20.27		150.0	
		Z	4.00	73.28	20.55		150.0	
10169-CAD	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	2.65	68.83	19.08	3.01	150.0	± 9.6 %
		Y	2.42	66.35	17.57		150.0	
		Z	2.48	66.66	18.01		150.0	
10170-CAD	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	3.94	77.56	22.69	3.01	150.0	± 9.6 %
		Y	2.98	71.07	19.60		150.0	
		Z	2.96	70.89	19.86		150.0	
10171-AAD	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	3.01	71.85	19.13	3.01	150.0	± 9.6 %
		Y	2.49	67.37	16.80		150.0	
		Z	2.54	67.79	17.41		150.0	
10172-CAD	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	3.09	77.18	23.93	6.02	65.0	± 9.6 %
		Y	2.65	72.77	21.74		65.0	
		Z	4.43	83.46	27.06		65.0	
10173-CAD	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	8.11	93.39	27.54	6.02	65.0	± 9.6 %
		Y	4.11	79.67	22.66		65.0	
		Z	7.30	91.11	27.85		65.0	
10174-CAD	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	4.84	83.58	23.61	6.02	65.0	± 9.6 %
		Y	3.17	74.79	20.20		65.0	
		Z	6.98	89.22	26.55		65.0	
10175-CAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	2.62	68.51	18.82	3.01	150.0	± 9.6 %
		Y	2.39	66.09	17.33		150.0	
		Z	2.45	66.44	17.80		150.0	
10176-CAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	3.95	77.59	22.70	3.01	150.0	± 9.6 %
		Y	2.99	71.09	19.61		150.0	
		Z	2.96	70.91	19.87		150.0	
10177-CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	2.64	68.64	18.90	3.01	150.0	± 9.6 %
		Y	2.41	66.20	17.40		150.0	
		Z	2.47	66.55	17.87		150.0	
10178-CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	X	3.91	77.38	22.59	3.01	150.0	± 9.6 %
		Y	2.97	70.96	19.53		150.0	
		Z	2.95	70.79	19.80		150.0	
10179-CAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	3.43	74.55	20.76	3.01	150.0	± 9.6 %
		Y	2.70	69.07	18.05		150.0	
		Z	2.73	69.31	18.54		150.0	
10180-CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	X	3.01	71.80	19.09	3.01	150.0	± 9.6 %
		Y	2.49	67.34	16.77		150.0	
		Z	2.54	67.77	17.38		150.0	
10181-CAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	2.63	68.63	18.90	3.01	150.0	± 9.6 %
		Y	2.40	66.18	17.39		150.0	
		Z	2.47	66.53	17.87		150.0	
10182-CAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	3.90	77.35	22.58	3.01	150.0	± 9.6 %
		Y	2.97	70.94	19.52		150.0	
		Z	2.94	70.77	19.79		150.0	
10183-AAC	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	3.00	71.77	19.08	3.01	150.0	± 9.6 %
		Y	2.48	67.32	16.76		150.0	
		Z	2.53	67.75	17.37		150.0	

10184-CAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	2.64	68.67	18.92	3.01	150.0	± 9.6 %
		Y	2.41	66.22	17.41		150.0	
		Z	2.47	66.57	17.88		150.0	
10185-CAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	X	3.93	77.44	22.63	3.01	150.0	± 9.6 %
		Y	2.98	71.01	19.56		150.0	
		Z	2.95	70.83	19.82		150.0	
10186-AAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	X	3.02	71.85	19.12	3.01	150.0	± 9.6 %
		Y	2.49	67.37	16.80		150.0	
		Z	2.55	67.80	17.41		150.0	
10187-CAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	2.65	68.76	19.01	3.01	150.0	± 9.6 %
		Y	2.42	66.30	17.50		150.0	
		Z	2.48	66.62	17.96		150.0	
10188-CAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	4.09	78.30	23.08	3.01	150.0	± 9.6 %
		Y	3.06	71.55	19.91		150.0	
		Z	3.02	71.28	20.12		150.0	
10189-AAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	3.10	72.37	19.45	3.01	150.0	± 9.6 %
		Y	2.54	67.70	17.04		150.0	
		Z	2.59	68.11	17.64		150.0	
10193-CAC	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	X	4.35	66.99	16.25	0.00	150.0	± 9.6 %
		Y	4.22	66.44	15.84		150.0	
		Z	4.40	66.77	16.20		150.0	
10194-CAC	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	X	4.49	67.21	16.39	0.00	150.0	± 9.6 %
		Y	4.36	66.66	15.98		150.0	
		Z	4.54	67.03	16.33		150.0	
10195-CAC	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	X	4.52	67.22	16.40	0.00	150.0	± 9.6 %
		Y	4.39	66.67	16.00		150.0	
		Z	4.58	67.05	16.35		150.0	
10196-CAC	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	X	4.33	66.98	16.24	0.00	150.0	± 9.6 %
		Y	4.20	66.42	15.82		150.0	
		Z	4.38	66.78	16.19		150.0	
10197-CAC	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	X	4.49	67.21	16.39	0.00	150.0	± 9.6 %
		Y	4.36	66.66	15.99		150.0	
		Z	4.55	67.04	16.34		150.0	
10198-CAC	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	X	4.51	67.21	16.40	0.00	150.0	± 9.6 %
		Y	4.38	66.66	16.00		150.0	
		Z	4.57	67.05	16.35		150.0	
10219-CAC	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	X	4.29	67.03	16.22	0.00	150.0	± 9.6 %
		Y	4.16	66.45	15.79		150.0	
		Z	4.34	66.82	16.16		150.0	
10220-CAC	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	X	4.49	67.17	16.38	0.00	150.0	± 9.6 %
		Y	4.36	66.62	15.98		150.0	
		Z	4.54	67.00	16.33		150.0	
10221-CAC	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	X	4.53	67.16	16.38	0.00	150.0	± 9.6 %
		Y	4.40	66.62	15.99		150.0	
		Z	4.59	66.99	16.34		150.0	
10222-CAC	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	X	4.90	67.19	16.51	0.00	150.0	± 9.6 %
		Y	4.80	66.73	16.19		150.0	
		Z	4.95	67.08	16.47		150.0	

10223-CAC	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	X	5.15	67.35	16.59	0.00	150.0	± 9.6 %
		Y	5.04	66.90	16.29		150.0	
		Z	5.23	67.30	16.59		150.0	
10224-CAC	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	X	4.94	67.32	16.49	0.00	150.0	± 9.6 %
		Y	4.84	66.85	16.18		150.0	
		Z	4.99	67.19	16.45		150.0	
10225-CAB	UMTS-FDD (HSPA+)	X	2.65	66.67	15.13	0.00	150.0	± 9.6 %
		Y	2.45	65.38	14.09		150.0	
		Z	2.68	66.33	15.12		150.0	
10226-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	8.97	95.35	28.27	6.02	65.0	± 9.6 %
		Y	4.33	80.66	23.14		65.0	
		Z	7.76	92.38	28.37		65.0	
10227-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	8.96	93.62	26.86	6.02	65.0	± 9.6 %
		Y	4.31	79.75	22.11		65.0	
		Z	8.28	92.27	27.60		65.0	
10228-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	3.86	81.76	25.80	6.02	65.0	± 9.6 %
		Y	3.08	76.03	23.21		65.0	
		Z	4.55	84.23	27.42		65.0	
10229-CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	X	8.19	93.54	27.59	6.02	65.0	± 9.6 %
		Y	4.14	79.76	22.70		65.0	
		Z	7.36	91.22	27.89		65.0	
10230-CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	X	8.05	91.72	26.18	6.02	65.0	± 9.6 %
		Y	4.08	78.80	21.68		65.0	
		Z	7.72	90.93	27.09		65.0	
10231-CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	3.72	80.95	25.40	6.02	65.0	± 9.6 %
		Y	2.99	75.41	22.87		65.0	
		Z	4.40	83.49	27.05		65.0	
10232-CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	X	8.17	93.51	27.58	6.02	65.0	± 9.6 %
		Y	4.13	79.74	22.70		65.0	
		Z	7.34	91.20	27.89		65.0	
10233-CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	X	8.01	91.66	26.17	6.02	65.0	± 9.6 %
		Y	4.07	78.76	21.67		65.0	
		Z	7.69	90.88	27.07		65.0	
10234-CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	3.62	80.33	25.03	6.02	65.0	± 9.6 %
		Y	2.93	74.93	22.55		65.0	
		Z	4.30	82.93	26.72		65.0	
10235-CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	8.18	93.56	27.60	6.02	65.0	± 9.6 %
		Y	4.13	79.76	22.71		65.0	
		Z	7.35	91.23	27.90		65.0	
10236-CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	8.16	91.92	26.24	6.02	65.0	± 9.6 %
		Y	4.11	78.89	21.71		65.0	
		Z	7.81	91.12	27.14		65.0	
10237-CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	3.72	80.97	25.41	6.02	65.0	± 9.6 %
		Y	2.99	75.41	22.88		65.0	
		Z	4.40	83.52	27.07		65.0	
10238-CAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	8.15	93.48	27.57	6.02	65.0	± 9.6 %
		Y	4.12	79.72	22.69		65.0	
		Z	7.32	91.17	27.88		65.0	

10239-CAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	7.97	91.59	26.15	6.02	65.0	± 9.6 %
		Y	4.05	78.73	21.66		65.0	
		Z	7.65	90.82	27.06		65.0	
10240-CAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	3.71	80.95	25.40	6.02	65.0	± 9.6 %
		Y	2.98	75.39	22.87		65.0	
		Z	4.39	83.49	27.06		65.0	
10241-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	6.24	80.12	25.14	6.98	65.0	± 9.6 %
		Y	5.51	76.83	23.64		65.0	
		Z	6.38	79.49	25.31		65.0	
10242-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	5.45	77.39	23.94	6.98	65.0	± 9.6 %
		Y	4.93	74.62	22.60		65.0	
		Z	6.31	79.33	25.17		65.0	
10243-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	4.48	73.31	23.04	6.98	65.0	± 9.6 %
		Y	4.23	71.61	22.11		65.0	
		Z	5.20	75.66	24.50		65.0	
10244-CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	2.93	67.44	12.99	3.98	65.0	± 9.6 %
		Y	2.52	65.44	11.86		65.0	
		Z	4.06	72.11	16.24		65.0	
10245-CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	2.87	66.90	12.67	3.98	65.0	± 9.6 %
		Y	2.49	65.07	11.61		65.0	
		Z	3.90	71.23	15.78		65.0	
10246-CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	2.72	70.00	14.89	3.98	65.0	± 9.6 %
		Y	2.19	67.13	13.26		65.0	
		Z	4.56	77.87	19.22		65.0	
10247-CAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	3.19	68.83	15.13	3.98	65.0	± 9.6 %
		Y	2.82	67.06	14.04		65.0	
		Z	4.03	72.45	17.65		65.0	
10248-CAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	3.16	68.24	14.84	3.98	65.0	± 9.6 %
		Y	2.82	66.62	13.82		65.0	
		Z	3.95	71.59	17.23		65.0	
10249-CAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	4.06	76.13	18.98	3.98	65.0	± 9.6 %
		Y	3.23	72.62	17.29		65.0	
		Z	6.18	83.32	22.65		65.0	
10250-CAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	4.28	72.95	19.42	3.98	65.0	± 9.6 %
		Y	3.89	71.35	18.59		65.0	
		Z	4.91	75.22	21.00		65.0	
10251-CAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	4.06	70.80	18.00	3.98	65.0	± 9.6 %
		Y	3.72	69.35	17.20		65.0	
		Z	4.65	72.93	19.55		65.0	
10252-CAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	4.77	77.84	21.28	3.98	65.0	± 9.6 %
		Y	4.06	75.12	20.05		65.0	
		Z	6.05	82.06	23.56		65.0	
10253-CAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	4.33	70.53	18.48	3.98	65.0	± 9.6 %
		Y	4.03	69.28	17.81		65.0	
		Z	4.80	72.11	19.68		65.0	
10254-CAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	4.62	71.47	19.22	3.98	65.0	± 9.6 %
		Y	4.30	70.23	18.58		65.0	
		Z	5.10	73.01	20.39		65.0	

10255-CAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	4.70	75.01	20.49	3.98	65.0	± 9.6 %
		Y	4.21	73.10	19.60		65.0	
		Z	5.47	77.56	22.05		65.0	
10256-CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	2.00	63.07	9.38	3.98	65.0	± 9.6 %
		Y	1.82	62.08	8.70		65.0	
		Z	2.71	66.50	12.29		65.0	
10257-CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	1.98	62.69	9.07	3.98	65.0	± 9.6 %
		Y	1.82	61.80	8.44		65.0	
		Z	2.62	65.73	11.78		65.0	
10258-CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	1.80	64.39	10.86	3.98	65.0	± 9.6 %
		Y	1.55	62.79	9.69		65.0	
		Z	2.78	69.99	14.67		65.0	
10259-CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	3.63	70.60	16.80	3.98	65.0	± 9.6 %
		Y	3.24	68.82	15.77		65.0	
		Z	4.42	73.73	18.97		65.0	
10260-CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	3.66	70.33	16.66	3.98	65.0	± 9.6 %
		Y	3.28	68.62	15.67		65.0	
		Z	4.42	73.33	18.77		65.0	
10261-CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	4.19	76.23	19.65	3.98	65.0	± 9.6 %
		Y	3.47	73.21	18.20		65.0	
		Z	5.72	81.65	22.59		65.0	
10262-CAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	4.26	72.87	19.36	3.98	65.0	± 9.6 %
		Y	3.88	71.27	18.53		65.0	
		Z	4.89	75.15	20.95		65.0	
10263-CAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	4.05	70.78	17.99	3.98	65.0	± 9.6 %
		Y	3.71	69.33	17.19		65.0	
		Z	4.64	72.90	19.54		65.0	
10264-CAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	4.72	77.62	21.16	3.98	65.0	± 9.6 %
		Y	4.02	74.92	19.94		65.0	
		Z	5.98	81.81	23.44		65.0	
10265-CAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	4.38	70.85	18.75	3.98	65.0	± 9.6 %
		Y	4.07	69.56	18.09		65.0	
		Z	4.86	72.52	19.96		65.0	
10266-CAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	4.72	71.94	19.62	3.98	65.0	± 9.6 %
		Y	4.39	70.66	18.99		65.0	
		Z	5.21	73.51	20.76		65.0	
10267-CAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	4.92	75.67	20.62	3.98	65.0	± 9.6 %
		Y	4.38	73.66	19.73		65.0	
		Z	5.79	78.42	22.22		65.0	
10268-CAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	5.04	71.06	19.37	3.98	65.0	± 9.6 %
		Y	4.74	69.93	18.83		65.0	
		Z	5.47	72.35	20.32		65.0	
10269-CAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	5.06	70.75	19.25	3.98	65.0	± 9.6 %
		Y	4.78	69.67	18.73		65.0	
		Z	5.47	71.94	20.16		65.0	
10270-CAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	5.04	73.34	19.81	3.98	65.0	± 9.6 %
		Y	4.64	71.89	19.16		65.0	
		Z	5.63	75.11	20.95		65.0	

10274-CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	X	2.52	67.44	15.29	0.00	150.0	± 9.6 %
		Y	2.28	65.85	14.08		150.0	
		Z	2.53	66.97	15.19		150.0	
10275-CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	X	1.63	69.47	16.18	0.00	150.0	± 9.6 %
		Y	1.30	65.99	13.81		150.0	
		Z	1.59	68.58	15.77		150.0	
10277-CAA	PHS (QPSK)	X	1.20	58.39	3.55	9.03	50.0	± 9.6 %
		Y	1.26	58.24	3.51		50.0	
		Z	1.38	59.54	4.87		50.0	
10278-CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	X	2.20	63.49	9.08	9.03	50.0	± 9.6 %
		Y	2.21	63.12	8.88		50.0	
		Z	3.27	68.81	12.79		50.0	
10279-CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	X	2.27	63.71	9.28	9.03	50.0	± 9.6 %
		Y	2.27	63.32	9.05		50.0	
		Z	3.39	69.21	13.05		50.0	
10290-AAB	CDMA2000, RC1, SO55, Full Rate	X	1.05	66.66	11.52	0.00	150.0	± 9.6 %
		Y	0.63	61.33	7.71		150.0	
		Z	1.13	66.86	12.02		150.0	
10291-AAB	CDMA2000, RC3, SO55, Full Rate	X	0.68	65.18	10.68	0.00	150.0	± 9.6 %
		Y	0.40	60.08	6.58		150.0	
		Z	0.69	64.84	10.89		150.0	
10292-AAB	CDMA2000, RC3, SO32, Full Rate	X	1.44	74.60	15.13	0.00	150.0	± 9.6 %
		Y	0.44	61.36	7.62		150.0	
		Z	1.08	70.90	14.10		150.0	
10293-AAB	CDMA2000, RC3, SO3, Full Rate	X	69.01	121.41	28.35	0.00	150.0	± 9.6 %
		Y	0.57	63.80	9.38		150.0	
		Z	3.40	85.62	19.92		150.0	
10295-AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	X	15.39	90.94	23.40	9.03	50.0	± 9.6 %
		Y	17.24	91.15	23.06		50.0	
		Z	35.42	108.35	30.23		50.0	
10297-AAC	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	2.64	70.35	17.09	0.00	150.0	± 9.6 %
		Y	2.31	68.03	15.62		150.0	
		Z	2.64	69.84	16.80		150.0	
10298-AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	1.20	66.02	11.99	0.00	150.0	± 9.6 %
		Y	0.86	62.07	9.02		150.0	
		Z	1.28	66.19	12.45		150.0	
10299-AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	1.59	64.75	10.12	0.00	150.0	± 9.6 %
		Y	1.18	61.73	8.13		150.0	
		Z	1.67	65.30	11.18		150.0	
10300-AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	1.20	61.54	7.71	0.00	150.0	± 9.6 %
		Y	1.01	60.14	6.56		150.0	
		Z	1.31	62.07	8.73		150.0	
10301-AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	X	4.21	64.89	16.97	4.17	50.0	± 9.6 %
		Y	4.15	64.63	16.63		50.0	
		Z	4.50	65.53	17.37		50.0	
10302-AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols)	X	4.65	65.38	17.63	4.96	50.0	± 9.6 %
		Y	4.61	65.15	17.30		50.0	
		Z	4.94	65.98	18.01		50.0	

10303-AAA	IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	X	4.40	64.95	17.38	4.96	50.0	± 9.6 %
		Y	4.39	65.01	17.24		50.0	
		Z	4.69	65.57	17.78		50.0	
10304-AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	X	4.26	65.04	17.00	4.17	50.0	± 9.6 %
		Y	4.20	64.74	16.63		50.0	
		Z	4.53	65.54	17.33		50.0	
10305-AAA	IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)	X	3.58	65.04	17.61	6.02	35.0	± 9.6 %
		Y	3.64	65.42	17.43		35.0	
		Z	3.97	66.58	18.67		35.0	
10306-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)	X	4.03	64.90	17.80	6.02	35.0	± 9.6 %
		Y	4.06	65.14	17.65		35.0	
		Z	4.37	66.04	18.62		35.0	
10307-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)	X	3.89	64.80	17.64	6.02	35.0	± 9.6 %
		Y	3.93	65.06	17.49		35.0	
		Z	4.23	66.01	18.49		35.0	
10308-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	X	3.86	64.93	17.76	6.02	35.0	± 9.6 %
		Y	3.90	65.20	17.61		35.0	
		Z	4.21	66.20	18.63		35.0	
10309-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols)	X	4.04	64.95	17.88	6.02	35.0	± 9.6 %
		Y	4.07	65.19	17.74		35.0	
		Z	4.39	66.16	18.72		35.0	
10310-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)	X	3.97	64.90	17.76	6.02	35.0	± 9.6 %
		Y	4.01	65.16	17.63		35.0	
		Z	4.31	66.07	18.58		35.0	
10311-AAC	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	3.01	69.47	16.69	0.00	150.0	± 9.6 %
		Y	2.66	67.33	15.38		150.0	
		Z	3.00	69.03	16.42		150.0	
10313-AAA	iDEN 1:3	X	2.07	69.72	14.65	6.99	70.0	± 9.6 %
		Y	1.61	66.56	13.04		70.0	
		Z	3.81	78.35	18.85		70.0	
10314-AAA	iDEN 1:6	X	3.85	79.81	21.60	10.00	30.0	± 9.6 %
		Y	2.89	74.52	19.24		30.0	
		Z	7.16	91.65	26.67		30.0	
10315-AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	X	1.06	64.14	15.47	0.17	150.0	± 9.6 %
		Y	0.94	62.45	13.94		150.0	
		Z	1.06	63.90	15.35		150.0	
10316-AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	X	4.35	66.82	16.28	0.17	150.0	± 9.6 %
		Y	4.24	66.33	15.92		150.0	
		Z	4.43	66.77	16.34		150.0	
10317-AAC	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	X	4.35	66.82	16.28	0.17	150.0	± 9.6 %
		Y	4.24	66.33	15.92		150.0	
		Z	4.43	66.77	16.34		150.0	
10400-AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	X	4.44	67.19	16.35	0.00	150.0	± 9.6 %
		Y	4.31	66.63	15.94		150.0	
		Z	4.51	67.06	16.32		150.0	
10401-AAD	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	X	5.10	66.92	16.33	0.00	150.0	± 9.6 %
		Y	4.99	66.46	16.03		150.0	
		Z	5.19	66.94	16.38		150.0	

10402-AAD	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	X	5.46	67.51	16.52	0.00	150.0	± 9.6 %
		Y	5.36	67.07	16.24		150.0	
		Z	5.51	67.41	16.49		150.0	
10403-AAB	CDMA2000 (1xEV-DO, Rev. 0)	X	1.05	66.66	11.52	0.00	115.0	± 9.6 %
		Y	0.63	61.33	7.71		115.0	
		Z	1.13	66.86	12.02		115.0	
10404-AAB	CDMA2000 (1xEV-DO, Rev. A)	X	1.05	66.66	11.52	0.00	115.0	± 9.6 %
		Y	0.63	61.33	7.71		115.0	
		Z	1.13	66.86	12.02		115.0	
10406-AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	X	100.00	112.66	25.21	0.00	100.0	± 9.6 %
		Y	20.95	97.54	22.26		100.0	
		Z	100.00	124.86	30.92		100.0	
10410-AAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4)	X	100.00	124.25	29.89	3.23	80.0	± 9.6 %
		Y	2.61	78.06	17.77		80.0	
		Z	100.00	133.16	34.42		80.0	
10415-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	X	1.02	63.76	15.15	0.00	150.0	± 9.6 %
		Y	0.91	62.08	13.59		150.0	
		Z	1.01	63.30	14.85		150.0	
10416-AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	X	4.34	66.96	16.32	0.00	150.0	± 9.6 %
		Y	4.21	66.41	15.91		150.0	
		Z	4.39	66.78	16.27		150.0	
10417-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	X	4.34	66.96	16.32	0.00	150.0	± 9.6 %
		Y	4.21	66.41	15.91		150.0	
		Z	4.39	66.78	16.27		150.0	
10418-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preamble)	X	4.34	67.18	16.39	0.00	150.0	± 9.6 %
		Y	4.21	66.61	15.97		150.0	
		Z	4.39	66.98	16.33		150.0	
10419-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preamble)	X	4.35	67.11	16.37	0.00	150.0	± 9.6 %
		Y	4.22	66.54	15.95		150.0	
		Z	4.41	66.91	16.31		150.0	
10422-AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	X	4.46	67.07	16.37	0.00	150.0	± 9.6 %
		Y	4.33	66.53	15.98		150.0	
		Z	4.51	66.89	16.32		150.0	
10423-AAB	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	X	4.58	67.32	16.46	0.00	150.0	± 9.6 %
		Y	4.45	66.77	16.06		150.0	
		Z	4.64	67.15	16.41		150.0	
10424-AAB	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	X	4.51	67.27	16.44	0.00	150.0	± 9.6 %
		Y	4.38	66.71	16.03		150.0	
		Z	4.57	67.11	16.39		150.0	
10425-AAB	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	X	5.13	67.40	16.60	0.00	150.0	± 9.6 %
		Y	5.04	66.99	16.32		150.0	
		Z	5.20	67.32	16.58		150.0	
10426-AAB	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	X	5.15	67.49	16.64	0.00	150.0	± 9.6 %
		Y	5.06	67.11	16.37		150.0	
		Z	5.22	67.41	16.62		150.0	

10427-AAB	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	X	5.11	67.26	16.52	0.00	150.0	± 9.6 %
		Y	5.01	66.84	16.23		150.0	
		Z	5.18	67.21	16.51		150.0	
10430-AAB	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	X	4.35	73.15	18.72	0.00	150.0	± 9.6 %
		Y	3.96	71.47	17.62		150.0	
		Z	4.18	71.77	18.24		150.0	
10431-AAB	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	X	3.96	67.63	16.22	0.00	150.0	± 9.6 %
		Y	3.78	66.86	15.63		150.0	
		Z	4.02	67.39	16.18		150.0	
10432-AAB	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	X	4.28	67.41	16.37	0.00	150.0	± 9.6 %
		Y	4.13	66.78	15.91		150.0	
		Z	4.34	67.21	16.32		150.0	
10433-AAB	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	X	4.53	67.31	16.46	0.00	150.0	± 9.6 %
		Y	4.40	66.75	16.06		150.0	
		Z	4.59	67.14	16.41		150.0	
10434-AAA	W-CDMA (BS Test Model 1, 64 DPCH)	X	4.52	74.18	18.54	0.00	150.0	± 9.6 %
		Y	3.92	71.70	17.04		150.0	
		Z	4.28	72.64	18.07		150.0	
10435-AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	123.84	29.70	3.23	80.0	± 9.6 %
		Y	2.49	77.41	17.49		80.0	
		Z	100.00	132.86	34.28		80.0	
10447-AAB	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	3.20	67.51	15.05	0.00	150.0	± 9.6 %
		Y	2.95	66.18	14.03		150.0	
		Z	3.27	67.27	15.14		150.0	
10448-AAB	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	X	3.83	67.44	16.10	0.00	150.0	± 9.6 %
		Y	3.66	66.66	15.50		150.0	
		Z	3.88	67.18	16.05		150.0	
10449-AAB	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	X	4.12	67.25	16.28	0.00	150.0	± 9.6 %
		Y	3.98	66.60	15.80		150.0	
		Z	4.17	67.04	16.22		150.0	
10450-AAB	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	4.33	67.10	16.32	0.00	150.0	± 9.6 %
		Y	4.20	66.52	15.90		150.0	
		Z	4.38	66.92	16.27		150.0	
10451-AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	X	2.98	67.18	14.23	0.00	150.0	± 9.6 %
		Y	2.69	65.61	13.04		150.0	
		Z	3.09	67.12	14.46		150.0	
10456-AAB	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	X	6.05	67.85	16.71	0.00	150.0	± 9.6 %
		Y	5.99	67.56	16.52		150.0	
		Z	6.14	67.93	16.78		150.0	
10457-AAA	UMTS-FDD (DC-HSDPA)	X	3.71	65.73	16.06	0.00	150.0	± 9.6 %
		Y	3.61	65.22	15.64		150.0	
		Z	3.73	65.50	15.99		150.0	
10458-AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	X	3.76	71.70	16.80	0.00	150.0	± 9.6 %
		Y	3.14	68.72	14.92		150.0	
		Z	3.77	71.19	16.90		150.0	
10459-AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	X	4.84	69.39	17.90	0.00	150.0	± 9.6 %
		Y	4.63	68.66	17.31		150.0	
		Z	4.85	68.80	17.86		150.0	

10460-AAA	UMTS-FDD (WCDMA, AMR)	X	1.00	71.17	17.62	0.00	150.0	± 9.6 %
		Y	0.69	65.37	13.64		150.0	
		Z	0.93	69.50	16.74		150.0	
10461-AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	18.12	107.42	27.67	3.29	80.0	± 9.6 %
		Y	1.59	73.10	17.00		80.0	
		Z	100.00	137.52	36.54		80.0	
10462-AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	0.61	60.00	6.52	3.23	80.0	± 9.6 %
		Y	0.65	60.00	7.08		80.0	
		Z	1.55	68.27	12.32		80.0	
10463-AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.30	55.70	3.56	3.23	80.0	± 9.6 %
		Y	0.67	60.00	6.38		80.0	
		Z	0.70	60.31	8.06		80.0	
10464-AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	9.68	96.71	23.86	3.23	80.0	± 9.6 %
		Y	1.17	68.99	14.63		80.0	
		Z	100.00	134.32	34.86		80.0	
10465-AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	0.61	60.00	6.44	3.23	80.0	± 9.6 %
		Y	0.65	60.00	7.01		80.0	
		Z	1.17	65.54	11.13		80.0	
10466-AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.30	55.63	3.47	3.23	80.0	± 9.6 %
		Y	0.67	60.00	6.34		80.0	
		Z	0.67	60.00	7.83		80.0	
10467-AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	13.05	100.75	24.98	3.23	80.0	± 9.6 %
		Y	1.22	69.68	14.96		80.0	
		Z	100.00	134.78	35.06		80.0	
10468-AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	0.61	60.00	6.46	3.23	80.0	± 9.6 %
		Y	0.64	60.00	7.03		80.0	
		Z	1.26	66.28	11.48		80.0	
10469-AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.30	55.63	3.47	3.23	80.0	± 9.6 %
		Y	0.67	60.00	6.34		80.0	
		Z	0.67	60.00	7.84		80.0	
10470-AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	13.41	101.11	25.06	3.23	80.0	± 9.6 %
		Y	1.22	69.68	14.96		80.0	
		Z	100.00	134.85	35.08		80.0	
10471-AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	0.61	60.00	6.44	3.23	80.0	± 9.6 %
		Y	0.64	60.00	7.02		80.0	
		Z	1.25	66.16	11.41		80.0	
10472-AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.30	55.60	3.44	3.23	80.0	± 9.6 %
		Y	0.67	60.00	6.32		80.0	
		Z	0.67	60.00	7.82		80.0	
10473-AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	13.20	100.89	24.99	3.23	80.0	± 9.6 %
		Y	1.22	69.64	14.93		80.0	
		Z	100.00	134.80	35.06		80.0	
10474-AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	0.61	60.00	6.44	3.23	80.0	± 9.6 %
		Y	0.64	60.00	7.02		80.0	
		Z	1.23	66.09	11.38		80.0	
10475-AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.29	55.60	3.43	3.23	80.0	± 9.6 %
		Y	0.67	60.00	6.32		80.0	
		Z	0.67	60.00	7.82		80.0	

10477-AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	0.61	60.00	6.41	3.23	80.0	± 9.6 %
		Y	0.64	60.00	6.99		80.0	
		Z	1.17	65.51	11.10		80.0	
10478-AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.29	55.58	3.41	3.23	80.0	± 9.6 %
		Y	0.67	60.00	6.31		80.0	
		Z	0.67	60.00	7.81		80.0	
10479-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	10.24	93.57	24.47	3.23	80.0	± 9.6 %
		Y	3.56	78.00	19.13		80.0	
		Z	14.45	99.71	27.27		80.0	
10480-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.37	72.85	14.82	3.23	80.0	± 9.6 %
		Y	1.74	65.35	11.75		80.0	
		Z	10.20	87.09	20.87		80.0	
10481-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.97	66.54	11.88	3.23	80.0	± 9.6 %
		Y	1.37	62.55	10.01		80.0	
		Z	5.58	78.63	17.68		80.0	
10482-AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	1.40	64.37	11.99	2.23	80.0	± 9.6 %
		Y	1.02	60.88	9.69		80.0	
		Z	2.54	71.77	16.13		80.0	
10483-AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.49	62.06	9.90	2.23	80.0	± 9.6 %
		Y	1.23	60.00	8.47		80.0	
		Z	2.69	68.58	13.92		80.0	
10484-AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.46	61.60	9.66	2.23	80.0	± 9.6 %
		Y	1.26	60.00	8.46		80.0	
		Z	2.47	67.30	13.36		80.0	
10485-AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.13	69.41	15.87	2.23	80.0	± 9.6 %
		Y	1.58	65.33	13.58		80.0	
		Z	3.12	74.84	18.84		80.0	
10486-AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.99	65.00	12.93	2.23	80.0	± 9.6 %
		Y	1.62	62.36	11.21		80.0	
		Z	2.73	68.96	15.47		80.0	
10487-AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.99	64.62	12.71	2.23	80.0	± 9.6 %
		Y	1.63	62.15	11.07		80.0	
		Z	2.69	68.36	15.17		80.0	
10488-AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.57	69.86	17.42	2.23	80.0	± 9.6 %
		Y	2.18	67.25	15.98		80.0	
		Z	3.16	72.76	19.11		80.0	
10489-AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.72	67.31	16.03	2.23	80.0	± 9.6 %
		Y	2.42	65.54	14.96		80.0	
		Z	3.10	69.01	17.27		80.0	
10490-AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.80	67.18	15.97	2.23	80.0	± 9.6 %
		Y	2.50	65.50	14.93		80.0	
		Z	3.18	68.80	17.17		80.0	
10491-AAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.89	68.81	17.23	2.23	80.0	± 9.6 %
		Y	2.57	66.92	16.18		80.0	
		Z	3.35	70.81	18.46		80.0	
10492-AAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.10	66.80	16.33	2.23	80.0	± 9.6 %
		Y	2.86	65.54	15.57		80.0	
		Z	3.41	67.97	17.22		80.0	

10493-AAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.16	66.70	16.28	2.23	80.0	± 9.6 %
		Y	2.92	65.48	15.54		80.0	
		Z	3.46	67.82	17.15		80.0	
10494-AAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.08	69.97	17.66	2.23	80.0	± 9.6 %
		Y	2.69	67.82	16.52		80.0	
		Z	3.63	72.33	19.00		80.0	
10495-AAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.12	67.01	16.54	2.23	80.0	± 9.6 %
		Y	2.88	65.74	15.79		80.0	
		Z	3.43	68.22	17.43		80.0	
10496-AAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.20	66.86	16.50	2.23	80.0	± 9.6 %
		Y	2.98	65.66	15.79		80.0	
		Z	3.50	67.97	17.33		80.0	
10497-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	0.90	60.00	8.18	2.23	80.0	± 9.6 %
		Y	0.88	60.00	7.56		80.0	
		Z	1.34	63.69	11.10		80.0	
10498-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.08	60.00	6.86	2.23	80.0	± 9.6 %
		Y	1.07	60.00	6.34		80.0	
		Z	1.14	60.00	7.84		80.0	
10499-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.10	60.00	6.68	2.23	80.0	± 9.6 %
		Y	1.10	60.00	6.17		80.0	
		Z	1.16	60.00	7.67		80.0	
10500-AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.32	69.67	16.54	2.23	80.0	± 9.6 %
		Y	1.83	66.27	14.63		80.0	
		Z	3.08	73.74	18.86		80.0	
10501-AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.35	66.42	14.35	2.23	80.0	± 9.6 %
		Y	1.97	63.97	12.83		80.0	
		Z	2.95	69.35	16.32		80.0	
10502-AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.38	66.22	14.17	2.23	80.0	± 9.6 %
		Y	2.00	63.84	12.67		80.0	
		Z	2.99	69.11	16.12		80.0	
10503-AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.54	69.67	17.32	2.23	80.0	± 9.6 %
		Y	2.15	67.09	15.89		80.0	
		Z	3.12	72.55	19.01		80.0	
10504-AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.70	67.20	15.97	2.23	80.0	± 9.6 %
		Y	2.41	65.45	14.89		80.0	
		Z	3.09	68.91	17.21		80.0	
10505-AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.78	67.09	15.90	2.23	80.0	± 9.6 %
		Y	2.49	65.41	14.87		80.0	
		Z	3.16	68.71	17.11		80.0	
10506-AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.05	69.84	17.58	2.23	80.0	± 9.6 %
		Y	2.68	67.70	16.45		80.0	
		Z	3.60	72.19	18.92		80.0	
10507-AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.10	66.95	16.50	2.23	80.0	± 9.6 %
		Y	2.87	65.68	15.76		80.0	
		Z	3.41	68.16	17.39		80.0	

10508-AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.19	66.79	16.45	2.23	80.0	± 9.6 %
		Y	2.97	65.60	15.75		80.0	
		Z	3.49	67.90	17.29		80.0	
10509-AAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.50	69.10	17.30	2.23	80.0	± 9.6 %
		Y	3.16	67.44	16.43		80.0	
		Z	3.95	70.79	18.31		80.0	
10510-AAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.58	66.78	16.63	2.23	80.0	± 9.6 %
		Y	3.37	65.74	16.04		80.0	
		Z	3.87	67.75	17.33		80.0	
10511-AAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.66	66.65	16.59	2.23	80.0	± 9.6 %
		Y	3.46	65.66	16.04		80.0	
		Z	3.93	67.53	17.26		80.0	
10512-AAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.54	70.17	17.63	2.23	80.0	± 9.6 %
		Y	3.14	68.17	16.61		80.0	
		Z	4.11	72.33	18.82		80.0	
10513-AAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.47	66.86	16.68	2.23	80.0	± 9.6 %
		Y	3.26	65.76	16.06		80.0	
		Z	3.76	67.92	17.43		80.0	
10514-AAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.52	66.58	16.59	2.23	80.0	± 9.6 %
		Y	3.32	65.56	16.02		80.0	
		Z	3.80	67.54	17.30		80.0	
10515-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	X	0.98	63.99	15.25	0.00	150.0	± 9.6 %
		Y	0.87	62.19	13.58		150.0	
		Z	0.97	63.51	14.93		150.0	
10516-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	X	0.77	75.90	20.23	0.00	150.0	± 9.6 %
		Y	0.43	66.10	13.76		150.0	
		Z	0.68	73.13	18.68		150.0	
10517-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	X	0.84	66.39	16.22	0.00	150.0	± 9.6 %
		Y	0.69	63.31	13.64		150.0	
		Z	0.82	65.63	15.70		150.0	
10518-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	X	4.33	67.08	16.32	0.00	150.0	± 9.6 %
		Y	4.20	66.51	15.90		150.0	
		Z	4.38	66.88	16.26		150.0	
10519-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	X	4.47	67.23	16.40	0.00	150.0	± 9.6 %
		Y	4.34	66.67	15.99		150.0	
		Z	4.53	67.05	16.35		150.0	
10520-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	X	4.33	67.17	16.32	0.00	150.0	± 9.6 %
		Y	4.20	66.58	15.89		150.0	
		Z	4.39	66.99	16.27		150.0	
10521-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	X	4.27	67.13	16.30	0.00	150.0	± 9.6 %
		Y	4.13	66.53	15.86		150.0	
		Z	4.33	66.96	16.25		150.0	
10522-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	X	4.31	67.23	16.38	0.00	150.0	± 9.6 %
		Y	4.17	66.63	15.94		150.0	
		Z	4.38	67.09	16.35		150.0	

10523-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	X	4.26	67.30	16.35	0.00	150.0	± 9.6 %
		Y	4.12	66.69	15.90		150.0	
		Z	4.30	67.07	16.27		150.0	
10524-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	X	4.27	67.23	16.39	0.00	150.0	± 9.6 %
		Y	4.13	66.63	15.96		150.0	
		Z	4.33	67.04	16.34		150.0	
10525-AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	X	4.31	66.36	16.03	0.00	150.0	± 9.6 %
		Y	4.17	65.75	15.60		150.0	
		Z	4.36	66.14	15.96		150.0	
10526-AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)	X	4.42	66.62	16.13	0.00	150.0	± 9.6 %
		Y	4.28	65.99	15.70		150.0	
		Z	4.48	66.43	16.08		150.0	
10527-AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	X	4.36	66.60	16.08	0.00	150.0	± 9.6 %
		Y	4.21	65.96	15.63		150.0	
		Z	4.41	66.40	16.02		150.0	
10528-AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	X	4.37	66.61	16.11	0.00	150.0	± 9.6 %
		Y	4.23	65.98	15.67		150.0	
		Z	4.43	66.42	16.05		150.0	
10529-AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	X	4.37	66.61	16.11	0.00	150.0	± 9.6 %
		Y	4.23	65.98	15.67		150.0	
		Z	4.43	66.42	16.05		150.0	
10531-AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)	X	4.33	66.62	16.08	0.00	150.0	± 9.6 %
		Y	4.18	65.96	15.63		150.0	
		Z	4.40	66.45	16.03		150.0	
10532-AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	X	4.22	66.49	16.02	0.00	150.0	± 9.6 %
		Y	4.07	65.82	15.55		150.0	
		Z	4.28	66.31	15.96		150.0	
10533-AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)	X	4.38	66.70	16.12	0.00	150.0	± 9.6 %
		Y	4.23	66.06	15.67		150.0	
		Z	4.44	66.50	16.05		150.0	
10534-AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	X	4.93	66.53	16.15	0.00	150.0	± 9.6 %
		Y	4.81	66.02	15.81		150.0	
		Z	4.98	66.40	16.10		150.0	
10535-AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	X	4.96	66.63	16.20	0.00	150.0	± 9.6 %
		Y	4.85	66.13	15.86		150.0	
		Z	5.03	66.55	16.17		150.0	
10536-AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	X	4.86	66.65	16.18	0.00	150.0	± 9.6 %
		Y	4.74	66.10	15.82		150.0	
		Z	4.92	66.55	16.15		150.0	
10537-AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	X	4.93	66.67	16.20	0.00	150.0	± 9.6 %
		Y	4.82	66.18	15.87		150.0	
		Z	4.98	66.53	16.14		150.0	
10538-AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	X	4.99	66.59	16.20	0.00	150.0	± 9.6 %
		Y	4.87	66.10	15.87		150.0	
		Z	5.05	66.50	16.17		150.0	
10540-AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	X	4.92	66.56	16.20	0.00	150.0	± 9.6 %
		Y	4.80	66.04	15.86		150.0	
		Z	4.98	66.46	16.17		150.0	

10541-AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)	X	4.91	66.49	16.15	0.00	150.0	± 9.6 %
		Y	4.79	65.98	15.80		150.0	
		Z	4.96	66.36	16.10		150.0	
10542-AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	X	5.06	66.58	16.21	0.00	150.0	± 9.6 %
		Y	4.94	66.09	15.88		150.0	
		Z	5.12	66.47	16.17		150.0	
10543-AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	X	5.14	66.68	16.29	0.00	150.0	± 9.6 %
		Y	5.03	66.24	15.99		150.0	
		Z	5.19	66.54	16.23		150.0	
10544-AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	X	5.28	66.57	16.12	0.00	150.0	± 9.6 %
		Y	5.18	66.09	15.82		150.0	
		Z	5.33	66.48	16.09		150.0	
10545-AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)	X	5.45	67.01	16.30	0.00	150.0	± 9.6 %
		Y	5.36	66.59	16.03		150.0	
		Z	5.51	66.94	16.28		150.0	
10546-AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	X	5.31	66.69	16.15	0.00	150.0	± 9.6 %
		Y	5.20	66.20	15.84		150.0	
		Z	5.36	66.61	16.13		150.0	
10547-AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	X	5.40	66.83	16.22	0.00	150.0	± 9.6 %
		Y	5.31	66.43	15.96		150.0	
		Z	5.44	66.72	16.18		150.0	
10548-AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	X	5.51	67.38	16.47	0.00	150.0	± 9.6 %
		Y	5.42	66.93	16.18		150.0	
		Z	5.60	67.41	16.50		150.0	
10550-AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	X	5.38	66.92	16.28	0.00	150.0	± 9.6 %
		Y	5.30	66.54	16.03		150.0	
		Z	5.43	66.80	16.24		150.0	
10551-AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	X	5.30	66.65	16.11	0.00	150.0	± 9.6 %
		Y	5.18	66.14	15.79		150.0	
		Z	5.36	66.58	16.09		150.0	
10552-AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	X	5.29	66.71	16.14	0.00	150.0	± 9.6 %
		Y	5.18	66.21	15.82		150.0	
		Z	5.34	66.59	16.09		150.0	
10553-AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	X	5.34	66.63	16.13	0.00	150.0	± 9.6 %
		Y	5.23	66.15	15.82		150.0	
		Z	5.39	66.55	16.10		150.0	
10554-AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	X	5.71	66.89	16.19	0.00	150.0	± 9.6 %
		Y	5.61	66.45	15.92		150.0	
		Z	5.75	66.82	16.17		150.0	
10555-AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	X	5.79	67.09	16.28	0.00	150.0	± 9.6 %
		Y	5.70	66.66	16.01		150.0	
		Z	5.85	67.06	16.28		150.0	
10556-AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)	X	5.83	67.23	16.33	0.00	150.0	± 9.6 %
		Y	5.75	66.83	16.09		150.0	
		Z	5.89	67.17	16.32		150.0	
10557-AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	X	5.79	67.09	16.28	0.00	150.0	± 9.6 %
		Y	5.69	66.64	16.01		150.0	
		Z	5.84	67.03	16.27		150.0	

10558-AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	X	5.78	67.10	16.31	0.00	150.0	± 9.6 %
		Y	5.67	66.62	16.02		150.0	
		Z	5.86	67.11	16.33		150.0	
10560-AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	X	5.81	67.06	16.32	0.00	150.0	± 9.6 %
		Y	5.71	66.60	16.04		150.0	
		Z	5.87	67.02	16.32		150.0	
10561-AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	X	5.75	67.04	16.35	0.00	150.0	± 9.6 %
		Y	5.65	66.60	16.07		150.0	
		Z	5.80	67.01	16.35		150.0	
10562-AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	X	5.79	67.18	16.42	0.00	150.0	± 9.6 %
		Y	5.68	66.71	16.13		150.0	
		Z	5.86	67.19	16.44		150.0	
10563-AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	X	5.90	67.20	16.39	0.00	150.0	± 9.6 %
		Y	5.81	66.78	16.13		150.0	
		Z	5.95	67.14	16.38		150.0	
10564-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)	X	4.64	67.04	16.41	0.46	150.0	± 9.6 %
		Y	4.52	66.54	16.05		150.0	
		Z	4.70	66.90	16.40		150.0	
10565-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)	X	4.83	67.45	16.73	0.46	150.0	± 9.6 %
		Y	4.71	66.96	16.38		150.0	
		Z	4.90	67.31	16.71		150.0	
10566-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)	X	4.66	67.25	16.53	0.46	150.0	± 9.6 %
		Y	4.54	66.74	16.16		150.0	
		Z	4.74	67.14	16.53		150.0	
10567-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)	X	4.70	67.67	16.92	0.46	150.0	± 9.6 %
		Y	4.58	67.15	16.55		150.0	
		Z	4.77	67.52	16.89		150.0	
10568-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle)	X	4.54	66.92	16.23	0.46	150.0	± 9.6 %
		Y	4.42	66.40	15.85		150.0	
		Z	4.64	66.89	16.28		150.0	
10569-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	X	4.70	67.93	17.07	0.46	150.0	± 9.6 %
		Y	4.57	67.41	16.71		150.0	
		Z	4.75	67.73	17.02		150.0	
10570-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle)	X	4.69	67.69	16.95	0.46	150.0	± 9.6 %
		Y	4.56	67.17	16.58		150.0	
		Z	4.76	67.53	16.92		150.0	
10571-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	X	1.08	64.14	15.45	0.46	130.0	± 9.6 %
		Y	0.97	62.52	14.02		130.0	
		Z	1.11	64.21	15.59		130.0	
10572-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	X	1.09	64.69	15.82	0.46	130.0	± 9.6 %
		Y	0.98	62.93	14.31		130.0	
		Z	1.12	64.76	15.95		130.0	
10573-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	X	1.58	84.82	23.68	0.46	130.0	± 9.6 %
		Y	0.69	70.46	16.37		130.0	
		Z	1.86	87.04	24.47		130.0	
10574-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	X	1.15	70.27	18.88	0.46	130.0	± 9.6 %
		Y	0.93	66.55	16.29		130.0	
		Z	1.19	70.36	18.97		130.0	

10575-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	X	4.40	66.72	16.36	0.46	130.0	± 9.6 %
		Y	4.29	66.25	16.02		130.0	
		Z	4.48	66.68	16.44		130.0	
10576-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	X	4.43	66.94	16.46	0.46	130.0	± 9.6 %
		Y	4.32	66.47	16.12		130.0	
		Z	4.51	66.87	16.53		130.0	
10577-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	X	4.58	67.16	16.60	0.46	130.0	± 9.6 %
		Y	4.47	66.69	16.27		130.0	
		Z	4.67	67.11	16.67		130.0	
10578-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	X	4.49	67.32	16.72	0.46	130.0	± 9.6 %
		Y	4.37	66.83	16.37		130.0	
		Z	4.58	67.25	16.77		130.0	
10579-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	X	4.24	66.44	15.93	0.46	130.0	± 9.6 %
		Y	4.12	65.94	15.56		130.0	
		Z	4.33	66.47	16.05		130.0	
10580-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	X	4.26	66.47	15.94	0.46	130.0	± 9.6 %
		Y	4.15	65.97	15.56		130.0	
		Z	4.37	66.53	16.08		130.0	
10581-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	X	4.41	67.42	16.71	0.46	130.0	± 9.6 %
		Y	4.29	66.91	16.34		130.0	
		Z	4.49	67.33	16.75		130.0	
10582-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	X	4.16	66.20	15.70	0.46	130.0	± 9.6 %
		Y	4.05	65.70	15.33		130.0	
		Z	4.27	66.25	15.84		130.0	
10583-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	X	4.40	66.72	16.36	0.46	130.0	± 9.6 %
		Y	4.29	66.25	16.02		130.0	
		Z	4.48	66.68	16.44		130.0	
10584-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	X	4.43	66.94	16.46	0.46	130.0	± 9.6 %
		Y	4.32	66.47	16.12		130.0	
		Z	4.51	66.87	16.53		130.0	
10585-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	X	4.58	67.16	16.60	0.46	130.0	± 9.6 %
		Y	4.47	66.69	16.27		130.0	
		Z	4.67	67.11	16.67		130.0	
10586-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	X	4.49	67.32	16.72	0.46	130.0	± 9.6 %
		Y	4.37	66.83	16.37		130.0	
		Z	4.58	67.25	16.77		130.0	
10587-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	X	4.24	66.44	15.93	0.46	130.0	± 9.6 %
		Y	4.12	65.94	15.56		130.0	
		Z	4.33	66.47	16.05		130.0	
10588-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	X	4.26	66.47	15.94	0.46	130.0	± 9.6 %
		Y	4.15	65.97	15.56		130.0	
		Z	4.37	66.53	16.08		130.0	
10589-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	X	4.41	67.42	16.71	0.46	130.0	± 9.6 %
		Y	4.29	66.91	16.34		130.0	
		Z	4.49	67.33	16.75		130.0	
10590-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	X	4.16	66.20	15.70	0.46	130.0	± 9.6 %
		Y	4.05	65.70	15.33		130.0	
		Z	4.27	66.25	15.84		130.0	

10591-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	X	4.56	66.82	16.50	0.46	130.0	± 9.6 %
		Y	4.45	66.38	16.18		130.0	
		Z	4.64	66.75	16.56		130.0	
10592-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	X	4.67	67.10	16.62	0.46	130.0	± 9.6 %
		Y	4.55	66.64	16.30		130.0	
		Z	4.76	67.05	16.68		130.0	
10593-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	X	4.58	66.97	16.47	0.46	130.0	± 9.6 %
		Y	4.47	66.51	16.14		130.0	
		Z	4.68	66.93	16.54		130.0	
10594-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	X	4.64	67.15	16.64	0.46	130.0	± 9.6 %
		Y	4.53	66.69	16.32		130.0	
		Z	4.73	67.11	16.71		130.0	
10595-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	X	4.60	67.13	16.55	0.46	130.0	± 9.6 %
		Y	4.49	66.66	16.22		130.0	
		Z	4.70	67.09	16.62		130.0	
10596-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle)	X	4.53	67.08	16.53	0.46	130.0	± 9.6 %
		Y	4.42	66.60	16.19		130.0	
		Z	4.63	67.06	16.61		130.0	
10597-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle)	X	4.49	66.94	16.38	0.46	130.0	± 9.6 %
		Y	4.37	66.46	16.03		130.0	
		Z	4.58	66.93	16.47		130.0	
10598-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	X	4.48	67.20	16.67	0.46	130.0	± 9.6 %
		Y	4.37	66.71	16.32		130.0	
		Z	4.57	67.15	16.73		130.0	
10599-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	X	5.24	67.26	16.75	0.46	130.0	± 9.6 %
		Y	5.17	66.94	16.54		130.0	
		Z	5.32	67.23	16.80		130.0	
10600-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	X	5.33	67.58	16.88	0.46	130.0	± 9.6 %
		Y	5.27	67.33	16.70		130.0	
		Z	5.43	67.63	16.98		130.0	
10601-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	X	5.25	67.42	16.82	0.46	130.0	± 9.6 %
		Y	5.19	67.14	16.63		130.0	
		Z	5.33	67.38	16.87		130.0	
10602-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	X	5.32	67.37	16.71	0.46	130.0	± 9.6 %
		Y	5.25	67.07	16.51		130.0	
		Z	5.45	67.53	16.87		130.0	
10603-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)	X	5.38	67.65	17.00	0.46	130.0	± 9.6 %
		Y	5.30	67.32	16.78		130.0	
		Z	5.51	67.77	17.12		130.0	
10604-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)	X	5.25	67.20	16.74	0.46	130.0	± 9.6 %
		Y	5.16	66.82	16.49		130.0	
		Z	5.40	67.44	16.93		130.0	
10605-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)	X	5.31	67.42	16.85	0.46	130.0	± 9.6 %
		Y	5.24	67.10	16.63		130.0	
		Z	5.42	67.50	16.97		130.0	
10606-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)	X	5.12	66.92	16.45	0.46	130.0	± 9.6 %
		Y	5.05	66.62	16.24		130.0	
		Z	5.20	66.91	16.52		130.0	

10607-AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	X	4.41	66.20	16.16	0.46	130.0	± 9.6 %
		Y	4.29	65.69	15.81		130.0	
		Z	4.49	66.12	16.21		130.0	
10608-AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	X	4.54	66.51	16.30	0.46	130.0	± 9.6 %
		Y	4.41	65.99	15.94		130.0	
		Z	4.63	66.46	16.36		130.0	
10609-AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	X	4.44	66.34	16.12	0.46	130.0	± 9.6 %
		Y	4.31	65.80	15.75		130.0	
		Z	4.53	66.30	16.19		130.0	
10610-AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	X	4.49	66.52	16.29	0.46	130.0	± 9.6 %
		Y	4.36	65.99	15.93		130.0	
		Z	4.58	66.46	16.35		130.0	
10611-AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	X	4.40	66.30	16.13	0.46	130.0	± 9.6 %
		Y	4.27	65.76	15.76		130.0	
		Z	4.49	66.26	16.20		130.0	
10612-AAB	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	X	4.38	66.41	16.16	0.46	130.0	± 9.6 %
		Y	4.25	65.85	15.78		130.0	
		Z	4.48	66.40	16.24		130.0	
10613-AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	X	4.38	66.21	16.00	0.46	130.0	± 9.6 %
		Y	4.25	65.67	15.61		130.0	
		Z	4.48	66.22	16.09		130.0	
10614-AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	X	4.36	66.48	16.27	0.46	130.0	± 9.6 %
		Y	4.23	65.92	15.89		130.0	
		Z	4.44	66.43	16.33		130.0	
10615-AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	X	4.39	66.12	15.89	0.46	130.0	± 9.6 %
		Y	4.26	65.59	15.51		130.0	
		Z	4.49	66.11	15.98		130.0	
10616-AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	X	5.05	66.44	16.33	0.46	130.0	± 9.6 %
		Y	4.95	66.02	16.06		130.0	
		Z	5.13	66.43	16.39		130.0	
10617-AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	X	5.08	66.53	16.35	0.46	130.0	± 9.6 %
		Y	4.98	66.12	16.09		130.0	
		Z	5.18	66.59	16.44		130.0	
10618-AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	X	4.99	66.61	16.41	0.46	130.0	± 9.6 %
		Y	4.89	66.15	16.11		130.0	
		Z	5.09	66.65	16.49		130.0	
10619-AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	X	5.02	66.48	16.27	0.46	130.0	± 9.6 %
		Y	4.94	66.10	16.02		130.0	
		Z	5.11	66.46	16.33		130.0	
10620-AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	X	5.08	66.43	16.29	0.46	130.0	± 9.6 %
		Y	4.99	66.02	16.03		130.0	
		Z	5.18	66.46	16.37		130.0	
10621-AAB	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	X	5.10	66.56	16.48	0.46	130.0	± 9.6 %
		Y	5.00	66.14	16.22		130.0	
		Z	5.18	66.56	16.54		130.0	
10622-AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	X	5.08	66.65	16.52	0.46	130.0	± 9.6 %
		Y	4.98	66.22	16.25		130.0	
		Z	5.17	66.66	16.59		130.0	

10623-AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	X	4.98	66.21	16.16	0.46	130.0	± 9.6 %
		Y	4.88	65.79	15.89		130.0	
		Z	5.06	66.21	16.23		130.0	
10624-AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	X	5.17	66.46	16.35	0.46	130.0	± 9.6 %
		Y	5.08	66.07	16.10		130.0	
		Z	5.26	66.47	16.42		130.0	
10625-AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	X	5.25	66.61	16.49	0.46	130.0	± 9.6 %
		Y	5.18	66.30	16.29		130.0	
		Z	5.37	66.66	16.58		130.0	
10626-AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	X	5.38	66.44	16.27	0.46	130.0	± 9.6 %
		Y	5.30	66.05	16.03		130.0	
		Z	5.46	66.46	16.34		130.0	
10627-AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	X	5.60	67.04	16.55	0.46	130.0	± 9.6 %
		Y	5.54	66.74	16.35		130.0	
		Z	5.70	67.10	16.63		130.0	
10628-AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	X	5.37	66.41	16.15	0.46	130.0	± 9.6 %
		Y	5.29	66.01	15.91		130.0	
		Z	5.46	66.46	16.24		130.0	
10629-AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	X	5.49	66.65	16.27	0.46	130.0	± 9.6 %
		Y	5.44	66.37	16.09		130.0	
		Z	5.56	66.64	16.32		130.0	
10630-AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	X	5.67	67.41	16.66	0.46	130.0	± 9.6 %
		Y	5.61	67.09	16.45		130.0	
		Z	5.83	67.66	16.84		130.0	
10631-AAB	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	X	5.67	67.52	16.91	0.46	130.0	± 9.6 %
		Y	5.58	67.12	16.67		130.0	
		Z	5.78	67.60	17.00		130.0	
10632-AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	X	5.62	67.28	16.81	0.46	130.0	± 9.6 %
		Y	5.58	67.03	16.65		130.0	
		Z	5.69	67.24	16.84		130.0	
10633-AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	X	5.39	66.48	16.23	0.46	130.0	± 9.6 %
		Y	5.30	66.07	15.98		130.0	
		Z	5.50	66.59	16.34		130.0	
10634-AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	X	5.43	66.71	16.40	0.46	130.0	± 9.6 %
		Y	5.34	66.29	16.14		130.0	
		Z	5.51	66.70	16.45		130.0	
10635-AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	X	5.28	65.91	15.71	0.46	130.0	± 9.6 %
		Y	5.19	65.51	15.47		130.0	
		Z	5.37	65.99	15.83		130.0	
10636-AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	X	5.82	66.79	16.35	0.46	130.0	± 9.6 %
		Y	5.75	66.43	16.14		130.0	
		Z	5.89	66.82	16.42		130.0	
10637-AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	X	5.93	67.06	16.48	0.46	130.0	± 9.6 %
		Y	5.86	66.73	16.28		130.0	
		Z	6.02	67.15	16.58		130.0	
10638-AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	X	5.97	67.18	16.51	0.46	130.0	± 9.6 %
		Y	5.90	66.83	16.31		130.0	
		Z	6.04	67.18	16.57		130.0	

10639-AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	X	5.91	67.02	16.48	0.46	130.0	± 9.6 %
		Y	5.84	66.65	16.26		130.0	
		Z	6.00	67.07	16.55		130.0	
10640-AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	X	5.86	66.86	16.34	0.46	130.0	± 9.6 %
		Y	5.77	66.46	16.10		130.0	
		Z	5.97	67.00	16.46		130.0	
10641-AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	X	5.97	66.99	16.42	0.46	130.0	± 9.6 %
		Y	5.91	66.67	16.24		130.0	
		Z	6.06	67.06	16.52		130.0	
10642-AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	X	5.99	67.18	16.69	0.46	130.0	± 9.6 %
		Y	5.91	66.80	16.47		130.0	
		Z	6.08	67.23	16.76		130.0	
10643-AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	X	5.84	66.86	16.42	0.46	130.0	± 9.6 %
		Y	5.76	66.48	16.19		130.0	
		Z	5.93	66.95	16.52		130.0	
10644-AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	X	5.88	67.02	16.52	0.46	130.0	± 9.6 %
		Y	5.80	66.62	16.28		130.0	
		Z	5.99	67.15	16.64		130.0	
10645-AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	X	6.01	67.08	16.51	0.46	130.0	± 9.6 %
		Y	5.95	66.75	16.32		130.0	
		Z	6.15	67.27	16.67		130.0	
10646-AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	X	6.09	90.38	31.74	9.30	60.0	± 9.6 %
		Y	4.85	83.69	28.81		60.0	
		Z	8.85	99.41	35.85		60.0	
10647-AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	X	5.26	87.32	30.71	9.30	60.0	± 9.6 %
		Y	4.34	81.60	28.08		60.0	
		Z	7.52	95.84	34.73		60.0	
10648-AAA	CDMA2000 (1x Advanced)	X	0.50	62.03	8.43	0.00	150.0	± 9.6 %
		Y	0.37	60.00	6.00		150.0	
		Z	0.54	62.23	8.92		150.0	
10652-AAB	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	3.11	66.19	15.82	2.23	80.0	± 9.6 %
		Y	2.88	64.96	15.01		80.0	
		Z	3.33	66.82	16.45		80.0	
10653-AAB	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	X	3.67	65.53	16.17	2.23	80.0	± 9.6 %
		Y	3.50	64.72	15.65		80.0	
		Z	3.84	65.93	16.60		80.0	
10654-AAB	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	X	3.70	65.14	16.21	2.23	80.0	± 9.6 %
		Y	3.55	64.40	15.75		80.0	
		Z	3.85	65.51	16.60		80.0	
10655-AAB	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	3.78	65.04	16.25	2.23	80.0	± 9.6 %
		Y	3.64	64.33	15.82		80.0	
		Z	3.92	65.42	16.63		80.0	
10658-AAA	Pulse Waveform (200Hz, 10%)	X	2.65	66.31	10.09	10.00	50.0	± 9.6 %
		Y	2.79	66.49	10.42		50.0	
		Z	100.00	107.09	23.68		50.0	
10659-AAA	Pulse Waveform (200Hz, 20%)	X	1.56	65.00	8.60	6.99	60.0	± 9.6 %
		Y	1.34	63.69	8.06		60.0	
		Z	100.00	108.00	22.98		60.0	

10660- AAA	Pulse Waveform (200Hz, 40%)	X	1.22	66.63	8.31	3.98	80.0	± 9.6 %
		Y	0.42	60.00	4.93		80.0	
		Z	100.00	112.88	23.74		80.0	
10661- AAA	Pulse Waveform (200Hz, 60%)	X	100.00	91.69	13.69	2.22	100.0	± 9.6 %
		Y	0.24	60.00	3.52		100.0	
		Z	100.00	121.26	25.88		100.0	
10662- AAA	Pulse Waveform (200Hz, 80%)	X	99.99	84.05	9.95	0.97	120.0	± 9.6 %
		Y	1.92	105.49	2.85		120.0	
		Z	100.00	143.45	32.32		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

FCC ID: BCGA2013	 PCTEST ENGINEERING LABORATORY, INC.	SAR EVALUATION REPORT	Approved by: Quality Manager
Test Dates: 08/08/18 - 09/03/18	DUT Type: Tablet Device		APPENDIX D: Page 1 of 2

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.

Schmid & Partner Engineering AG

s p e a g

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Measurement Certificate / Material Test

Item Name	Body Tissue Simulating Liquid (MSL750V2)
Product No.	SL AAM 075 AA (Batch: 170608-1)
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 ± 3)°C and humidity < 70%.
TSL Temperature	22°C
Test Date	20-Jun-17
Operator	CL

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	57.3	25.02	0.84	56.1	0.95	2.2	-12.2
625	57.1	24.67	0.86	56.0	0.95	1.9	-10.1
650	56.8	24.32	0.88	55.9	0.96	1.6	-8.0
675	56.6	24.02	0.90	55.8	0.96	1.3	-5.8
700	56.3	23.71	0.92	55.7	0.96	1.1	-3.8
725	56.1	23.48	0.95	55.6	0.96	0.8	-1.5
750	55.9	23.25	0.97	55.5	0.96	0.6	0.7
775	55.6	23.04	0.99	55.4	0.97	0.3	2.9
800	55.4	22.82	1.02	55.3	0.97	0.1	5.0
825	55.2	22.65	1.04	55.2	0.98	-0.1	6.3
838	55.1	22.56	1.05	55.2	0.98	-0.3	6.9
850	54.9	22.47	1.06	55.2	0.99	-0.4	7.5
875	54.7	22.34	1.09	55.1	1.02	-0.7	6.7
900	54.5	22.21	1.11	55.0	1.05	-0.9	5.9
925	54.3	22.08	1.14	55.0	1.06	-1.3	6.9
950	54.1	21.95	1.16	54.9	1.08	-1.6	7.9
975	53.8	21.86	1.19	54.9	1.09	-1.9	9.1
1000	53.6	21.76	1.21	54.8	1.10	-2.2	10.2

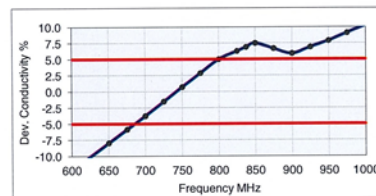
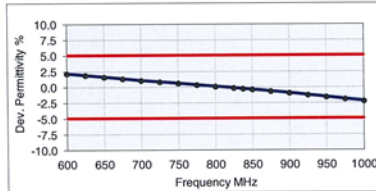


Figure D-2

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	835	4/24/2018	7490	EX3DV4	835	Body	0.979	57.188	PASS	PASS	PASS	GMSK	PASS	N/A
AM7	1750	3/30/2018	3329	ES3DV3	1750	Body	1.534	54.760	PASS	PASS	PASS	N/A	N/A	N/A
AM8	1750	6/20/2018	3287	ES3DV3	1750	Body	1.437	53.450	PASS	PASS	PASS	N/A	N/A	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
AM2	2600	7/3/2018	3022	ES3DV2	2600	Body	2.177	52.355	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

Power Measurement Verification for Main Antenna

Mode/Band	Maximum Scenario Maximum Allowed Target Power [dBm]	Reduced Scenario Maximum Allowed Target Power [dBm]	Conducted Power [dBm]			Verdict
			Maximum	Test Case 1	Test Case 2	
GPRS 850 (2 Tx)	28.50 (± 0.75)	26.95 (± 0.75)	28.37	26.83	26.81	PASS
GPRS 1900 (2 Tx)	25.00 (± 0.75)	19.25 (± 0.75)	25.26	19.12	19.17	PASS
WCDMA B5	23.25 (± 0.50)	19.50 (± 0.50)	23.39	19.62	19.53	PASS
WCDMA B4	25.00 (± 0.50)	14.25 (± 0.50)	25.19	13.97	13.95	PASS
WCDMA B2	25.50 (± 0.50)	13.70 (± 0.50)	25.00	13.64	13.68	PASS
LTE Band 71	25.00 (± 0.50)	21.70 (± 0.50)	25.17	22.18	22.04	PASS
LTE Band 12	25.00 (± 0.50)	19.50 (± 0.50)	24.92	19.66	19.74	PASS
LTE Band 17	25.00 (± 0.50)	19.50 (± 0.50)	25.09	19.71	19.66	PASS
LTE Band 14	25.00 (± 0.50)	20.80 (± 0.50)	25.16	20.79	20.66	PASS
LTE Band 13	23.25 (± 0.50)	20.80 (± 0.50)	23.46	20.90	20.91	PASS
LTE Band 5	25.00 (± 0.50)	20.90 (± 0.50)	25.09	20.88	20.93	PASS
LTE Band 26	25.00 (± 0.50)	20.90 (± 0.50)	25.01	20.92	20.91	PASS
LTE Band 4	25.00 (± 0.50)	14.25 (± 0.50)	25.06	14.31	14.26	PASS
LTE Band 66	25.00 (± 0.50)	14.25 (± 0.50)	25.10	14.45	14.43	PASS
LTE Band 2	24.00 (± 0.50)	14.80 (± 0.50)	24.49	15.22	15.20	PASS
LTE Band 25	24.00 (± 0.50)	14.80 (± 0.50)	24.46	15.17	15.15	PASS
LTE Band 30	23.00 (± 0.50)	13.00 (± 0.50)	23.50	13.33	13.27	PASS
LTE Band 7	23.50 (± 0.50)	11.50 (± 0.50)	23.29	11.28	11.36	PASS
LTE Band 41	22.25 (± 0.50)	14.30 (± 0.50)	22.63	14.58	14.54	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.

FCC ID: BCGA2013	 SAR EVALUATION REPORT	Reviewed by: Quality Manager
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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

Example 1										Example 2									
ZEC		Aggregated Owner Estimated (MW)	Responsible	Completely Covered by Measurement Support	ZEC		Aggregated Owner Estimated (MW)	Responsible	Completely Covered by Measurement Support	ZEC		Aggregated Owner Estimated (MW)	Responsible	Completely Covered by Measurement Support					
Owner	ZEC	Aggregated Owner Estimated (MW)	Responsible	Completely Covered by Measurement Support	Owner	ZEC	Aggregated Owner Estimated (MW)	Responsible	Completely Covered by Measurement Support	Owner	ZEC	Aggregated Owner Estimated (MW)	Responsible	Completely Covered by Measurement Support					
CA-41	CA-4	0.10, 0.20	CA-46	Yes	CA-41	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-41	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-42	CA-4	0.10, 0.20	CA-46	Yes	CA-42	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-42	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-43	CA-4	0.10, 0.20	CA-46	Yes	CA-43	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-43	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-44	CA-4	0.10, 0.20	CA-46	Yes	CA-44	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-44	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-45	CA-4	0.10, 0.20	CA-46	Yes	CA-45	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-45	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-46	CA-4	0.10, 0.20	CA-46	Yes	CA-46	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-46	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-47	CA-4	0.10, 0.20	CA-46	Yes	CA-47	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-47	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-48	CA-4	0.10, 0.20	CA-46	Yes	CA-48	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-48	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-49	CA-4	0.10, 0.20	CA-46	Yes	CA-49	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-49	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-50	CA-4	0.10, 0.20	CA-46	Yes	CA-50	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-50	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-51	CA-4	0.10, 0.20	CA-46	Yes	CA-51	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-51	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-52	CA-4	0.10, 0.20	CA-46	Yes	CA-52	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-52	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-53	CA-4	0.10, 0.20	CA-46	Yes	CA-53	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-53	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-54	CA-4	0.10, 0.20	CA-46	Yes	CA-54	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-54	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-55	CA-4	0.10, 0.20	CA-46	Yes	CA-55	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-55	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-56	CA-4	0.10, 0.20	CA-46	Yes	CA-56	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-56	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-57	CA-4	0.10, 0.20	CA-46	Yes	CA-57	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-57	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-58	CA-4	0.10, 0.20	CA-46	Yes	CA-58	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-58	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-59	CA-4	0.10, 0.20	CA-46	Yes	CA-59	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-59	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-60	CA-4	0.10, 0.20	CA-46	Yes	CA-60	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-60	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-61	CA-4	0.10, 0.20	CA-46	Yes	CA-61	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-61	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-62	CA-4	0.10, 0.20	CA-46	Yes	CA-62	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-62	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-63	CA-4	0.10, 0.20	CA-46	Yes	CA-63	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-63	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-64	CA-4	0.10, 0.20	CA-46	Yes	CA-64	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-64	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-65	CA-4	0.10, 0.20	CA-46	Yes	CA-65	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-65	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-66	CA-4	0.10, 0.20	CA-46	Yes	CA-66	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-66	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-67	CA-4	0.10, 0.20	CA-46	Yes	CA-67	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-67	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-68	CA-4	0.10, 0.20	CA-46	Yes	CA-68	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-68	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-69	CA-4	0.10, 0.20	CA-46	Yes	CA-69	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-69	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-70	CA-4	0.10, 0.20	CA-46	Yes	CA-70	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-70	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-71	CA-4	0.10, 0.20	CA-46	Yes	CA-71	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-71	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-72	CA-4	0.10, 0.20	CA-46	Yes	CA-72	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-72	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-73	CA-4	0.10, 0.20	CA-46	Yes	CA-73	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-73	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-74	CA-4	0.10, 0.20	CA-46	Yes	CA-74	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-74	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-75	CA-4	0.10, 0.20	CA-46	Yes	CA-75	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-75	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-76	CA-4	0.10, 0.20	CA-46	Yes	CA-76	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-76	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-77	CA-4	0.10, 0.20	CA-46	Yes	CA-77	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-77	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-78	CA-4	0.10, 0.20	CA-46	Yes	CA-78	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-78	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-79	CA-4	0.10, 0.20	CA-46	Yes	CA-79	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-79	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-80	CA-4	0.10, 0.20	CA-46	Yes	CA-80	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-80	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-81	CA-4	0.10, 0.20	CA-46	Yes	CA-81	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-81	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-82	CA-4	0.10, 0.20	CA-46	Yes	CA-82	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-82	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-83	CA-4	0.10, 0.20	CA-46	Yes	CA-83	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-83	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-84	CA-4	0.10, 0.20	CA-46	Yes	CA-84	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-84	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-85	CA-4	0.10, 0.20	CA-46	Yes	CA-85	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-85	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-86	CA-4	0.10, 0.20	CA-46	Yes	CA-86	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-86	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-87	CA-4	0.10, 0.20	CA-46	Yes	CA-87	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-87	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-88	CA-4	0.10, 0.20	CA-46	Yes	CA-88	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-88	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-89	CA-4	0.10, 0.20	CA-46	Yes	CA-89	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-89	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-90	CA-4	0.10, 0.20	CA-46	Yes	CA-90	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-90	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-91	CA-4	0.10, 0.20	CA-46	Yes	CA-91	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-91	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-92	CA-4	0.10, 0.20	CA-46	Yes	CA-92	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-92	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-93	CA-4	0.10, 0.20	CA-46	Yes	CA-93	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-93	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-94	CA-4	0.10, 0.20	CA-46	Yes	CA-94	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-94	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-95	CA-4	0.10, 0.20	CA-46	Yes	CA-95	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-95	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-96	CA-4	0.10, 0.20	CA-46	Yes	CA-96	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-96	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-97	CA-4	0.10, 0.20	CA-46	Yes	CA-97	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-97	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-98	CA-4	0.10, 0.20	CA-46	Yes	CA-98	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-98	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-99	CA-4	0.10, 0.20	CA-46	Yes	CA-99	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-99	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					
CA-100	CA-4	0.10, 0.20	CA-46	Yes	CA-100	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes	CA-100	CA-34-34-44	0.10, 0.20, 0.30	CA-46	Yes					

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

Table 2: Example of a Table with 10 Columns and 10 Rows							Table 3: Example of a Table with 10 Columns and 10 Rows						
Index	ACC	Supported Channel Bandwidth (MHz)			Restriction	Completely Covered by Measurement Supersets	Index	ACC	Supported Channel Bandwidth (MHz)			Restriction	Completely Covered by Measurement Supersets
		CC1	CC2					CC1	CC2	CC3			
ACC#M01	CA [2C]	5.10, 15, 20	5.10, 15, 20		ACC#M06		ACC#M01	CA [2A]-[8A-66A]	5.10, 15, 20	5.10, 15, 20	5.10, 15, 20		ACC#M06
ACC#M02	CA [2A]-[2A]	5.10, 15, 20	5.10, 15, 20		ACC#M07	CA [2A]-[2A]	ACC#M02	CA [2A]-[8A]	5.10, 15, 20	5.10, 15, 20	5.10, 15, 20		ACC#M07
ACC#M03	CA [2A]-[2A]	5.10, 15, 20	5.10, 15, 20		No		ACC#M03	CA [2A]-[5A-66A]	5.10, 15, 20	5.10, 15, 20	5.10, 15, 20		ACC#M03
ACC#M04	CA [2A]-[4A]	5.10, 15, 20	5.10, 15, 20		ACC#M01		ACC#M04	CA [2A]-[5A-66B]	5.10, 15, 20	5.10, 15, 20	5.10, 15, 20		ACC#M04
ACC#M05	CA [2A]-[2A]	5.10, 15, 20	5.10, 15, 20		No		ACC#M05	CA [2A]-[6A-66A]	5.10, 15, 20	5.10, 15, 20	5.10, 15, 20		ACC#M05
ACC#M06	CA [2A]-[5A]	5.10, 15, 20	5.10		ACC#M03		ACC#M06	CA [2A]-[6A-66C]	5.10, 15, 20	5.10, 15, 20	5.10, 15, 20		ACC#M06
ACC#M07	CA [2A]-[2A]	5.10, 15, 20	5.10, 15, 20		No		ACC#M07	CA [2A]-[6A]	5.10, 15, 20	5.10, 15, 20	5.10, 15, 20		ACC#M07
ACC#M08	CA [2A]-[2A]	5.10, 15, 20	5.10		ACC#M06		ACC#M08	CA [2A]-[6A]	5.10, 15, 20	5.10, 15, 20	5.10, 15, 20		ACC#M08
ACC#M09	CA [2A]-[7A]	5.10	5.10		No		ACC#M09	CA [2A]-[6A]	5.10, 15, 20	5.10, 15, 20	5.10, 15, 20		ACC#M09
ACC#M10	CA [2A]-[2A]	5.10, 15, 20	5.10		B29 SCC only	ACC#M12	ACC#M10	CA [2A]-[6A]	5.10, 15, 20	5.10, 15, 20	5.10, 15, 20		ACC#M10
ACC#M11	CA [2A]-[2A]	5.10, 15, 20	5.10		ACC#M05		ACC#M11	CA [2A]-[7A]	5.10, 15, 20	5.10, 15, 20	5.10, 15, 20		ACC#M11
ACC#M12	CA [2A]-[6A]	5.10, 15, 20	5.10, 15, 20		ACC#M11		ACC#M12	CA [2A]-[7A]	5.10, 15, 20	5.10, 15, 20	5.10, 15, 20		B29 SCC only
ACC#M13	CA [2A]-[6A]	5.10, 15, 20	5.10, 15, 20		ACC#M12		ACC#M13	CA [2A]-[7A]	5.10, 15, 20	5.10, 15, 20	5.10, 15, 20		No
ACC#M14	CA [2A]-[7A]	5.10, 15, 20	5.10, 15, 20		ACC#M13		ACC#M14	CA [2A]-[8A]	5.10	5.10	5.10		ACC#M14
ACC#M15	CA [2A]-[7A]	5.10, 15, 20	5.10, 15, 20		ACC#M11		ACC#M15	CA [2A]-[8A]	5.10	5.10	5.10, 15, 20		ACC#M15
ACC#M16	CA [8A]-[66A]	5.10	5.10, 15, 20		ACC#M16		ACC#M16	CA [2A]-[8A]	5.10, 15, 20	5.10	5.10, 15, 20		ACC#M16
ACC#M17	CA [2A]-[6A]	5.10	5.10, 15, 20		ACC#M17		ACC#M17	CA [2A]-[8A]	5.10, 15, 20	5.10	5.10, 15, 20		ACC#M17
ACC#M18	CA [2A]-[6A]	5.10	5.10, 15, 20		ACC#M18		ACC#M18	CA [2A]-[13A]	5.10, 15, 20	5.10	5.10, 15, 20		ACC#M18
ACC#M19	CA [8A]-[66A]	5.10	5.10, 15, 20		ACC#M20		ACC#M19	CA [2A]-[13A]	5.10, 15, 20	5.10	5.10, 15, 20		ACC#M19
ACC#M20	CA [8A]-[66A]	5.10, 15, 20	5.10, 15, 20		ACC#M04		ACC#M20	CA [2A]-[6A]	5.10, 15, 20	5.10	5.10, 15, 20		ACC#M20
ACC#M21	CA [66C]	5.10, 15, 20	5.10, 15, 20		ACC#M06		ACC#M21	CA [2A]-[6B]	5.10, 15, 20	5.10, 15, 20	5.10, 15		ACC#M21
ACC#M22	CA [66A]-[66A]	5.10, 15, 20	5.10, 15, 20		ACC#M28		ACC#M22	CA [2A]-[6B]	5.10, 15, 20	5.10, 15	5.10, 15		ACC#M24
ACC#M23	CA [66A]-[66A]	5.10, 15, 20	5.10, 15, 20		No		ACC#M23	CA [2A]-[6B]	5.10, 15, 20	5.10, 15	5.10, 15		ACC#M24
							ACC#M24	CA [2A]-[6C]	5.10, 15, 20	5.10, 15, 20	5.10, 15, 20		ACC#M25
							ACC#M25	CA [2A]-[6C]	5.10, 15, 20	5.10, 15, 20	5.10, 15, 20		ACC#M26
							ACC#M26	CA [2A]-[6C]	5.10, 15, 20	5.10, 15, 20	5.10, 15, 20		ACC#M27
							ACC#M27	CA [2A]-[6A]	5.10, 15, 20	5.10, 15, 20	5.10, 15, 20		ACC#M28
							ACC#M28	CA [2A]-[6A]	5.10, 15, 20	5.10, 15, 20	5.10, 15, 20		No
							ACC#M29	CA [2A]-[6A]	5.10, 15, 20	5.10, 15, 20	5.10, 15, 20		No

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.

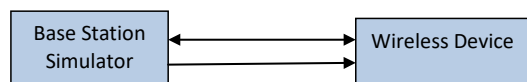


Figure 1
DL CA Power Measurement Setup

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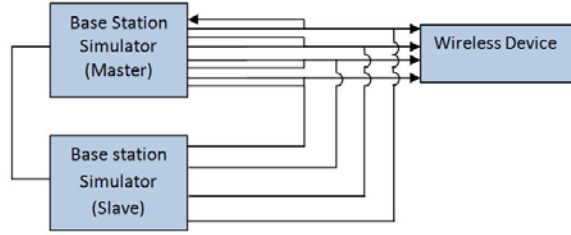


Figure 2
DL CA with DL 4x4 MIMO Power Measurement Setup

1.3 Downlink Carrier Aggregation RF Conducted Powers

1.3.1 LTE Band 71 as PCC

Table 1
Output Powers – Ant 1

Combination	PCC Band	PCC BW [MHz]	PCC [UL] Ch.	PCC [UL] Freq. [MHz]	Mod.	PCC				SCC 1				SCC 2				Power	
						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 2A-2A-71A	LTE B71	20	133297	680.5	QPSK	1	50	68761	634.5	LTE B2	20	900	1960	LTE B2	20	700	1940	19.98	20.00
CA 2A-4A-71A	LTE B71	20	133297	680.5	QPSK	1	50	68761	634.5	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	19.97	20.00
CA 2A-66A-71A	LTE B71	20	133297	680.5	QPSK	1	50	68761	634.5	LTE B2	20	900	1960	LTE B66	20	66786	2145	19.96	20.00
CA 4A-4A-71A	LTE B71	20	133297	680.5	QPSK	1	50	68761	634.5	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	19.97	20.00
CA 66A-66A-71A	LTE B71	20	133297	680.5	QPSK	1	50	68761	634.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	19.95	20.00
CA 66C-71A	LTE B71	20	133297	680.5	QPSK	1	50	68761	634.5	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	20.00	20.00

Table 2
Output Powers – Ant 3

Combination	PCC Band	PCC BW [MHz]	PCC [UL] Ch.	PCC [UL] Freq. [MHz]	Mod.	PCC				SCC 1				SCC 2				Power	
						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 2A-2A-71A	LTE B71	20	133297	680.5	QPSK	1	99	68761	634.5	LTE B2	20	900	1960	LTE B2	20	700	1940	22.16	22.20
CA 2A-4A-71A	LTE B71	20	133297	680.5	QPSK	1	99	68761	634.5	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	22.14	22.20
CA 2A-66A-71A	LTE B71	20	133297	680.5	QPSK	1	99	68761	634.5	LTE B2	20	900	1960	LTE B66	20	66786	2145	22.06	22.20
CA 4A-4A-71A	LTE B71	20	133297	680.5	QPSK	1	99	68761	634.5	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	22.16	22.20
CA 66A-66A-71A	LTE B71	20	133297	680.5	QPSK	1	99	68761	634.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	22.20	22.20
CA 66C-71A	LTE B71	20	133297	680.5	QPSK	1	99	68761	634.5	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	22.20	22.20

1.3.2 LTE Band 12 as PCC

Table 3
Output Powers – Ant 1

Combination	PCC Band	PCC BW [MHz]	PCC [UL] Ch.	PCC [UL] Freq. [MHz]	Mod.	PCC				SCC 1				SCC 2				Power	
						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 2A-12A	LTE B12	10	23095	707.5	QPSK	1	49	5095	737.5	LTE B2	20	900	1960	-	-	-	-	19.65	19.67
CA 4A-12A (1)	LTE B12	10	23095	707.5	QPSK	1	49	5095	737.5	LTE B4	20	2175	2132.5	-	-	-	-	19.63	19.67
CA 4A-12A (2)	LTE B12	3	23095	707.5	QPSK	1	7	5095	737.5	LTE B4	20	2175	2132.5	-	-	-	-	19.66	19.68
CA 12A-66A (1)	LTE B12	10	23095	707.5	QPSK	1	49	5095	737.5	LTE B66	20	66786	2145	-	-	-	-	19.70	19.67
CA 12A-66A (2)	LTE B12	3	23095	707.5	QPSK	1	7	5095	737.5	LTE B66	20	66786	2145	-	-	-	-	19.70	19.68
CA 2C-12A	LTE B12	10	23095	707.5	QPSK	1	49	5095	737.5	LTE B2	20	900	1960	LTE B2	20	702	1940.2	19.66	19.67
CA 4A-7A-12A (1)	LTE B12	10	23095	707.5	QPSK	1	49	5095	737.5	LTE B4	20	2175	2132.5	LTE B7	20	3100	2655	19.70	19.67
CA 2A-2A-12B	LTE B12	5	23095	707.5	QPSK	1	0	5095	737.5	LTE B12	5	5047	732.7	LTE B2	20	900	1960	19.56	19.66
CA 2A-2A-4A-12A	LTE B12	10	23095	707.5	QPSK	1	49	5095	737.5	LTE B2	20	900	1960	LTE B2	20	700	1940	19.65	19.67
CA 2A-4A-4A-12A	LTE B12	10	23095	707.5	QPSK	1	49	5095	737.5	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	19.62	19.67
CA 2A-4A-12B	LTE B12	5	23095	707.5	QPSK	1	0	5095	737.5	LTE B12	5	5047	732.7	LTE B4	20	2175	2132.5	19.67	19.68
CA 2A-2A-12A-30A	LTE B12	10	23095	707.5	QPSK	1	49	5095	737.5	LTE B2	20	900	1960	LTE B2	20	700	1940	19.64	19.67
CA 2A-2A-12A-66A	LTE B12	10	23095	707.5	QPSK	1	49	5095	737.5	LTE B2	20	900	1960	LTE B66	20	66786	2145	19.64	19.67
CA 2A-12A-66A-66A	LTE B12	10	23095	707.5	QPSK	1	49	5095	737.5	LTE B2	20	900	1960	LTE B66	20	66786	2145	19.63	19.67
CA 2A-12A-66C	LTE B12	10	23095	707.5	QPSK	1	49	5095	737.5	LTE B2	20	900	1960	LTE B66	20	66786	2145	19.65	19.67
CA 2A-4A-12A-30A	LTE B12	10	23095	707.5	QPSK	1	49	5095	737.5	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	19.66	19.67
CA 2A-12A-30A-66A	LTE B12	10	23095	707.5	QPSK	1	49	5095	737.5	LTE B2	20	900	1960	LTE B30	10	9820	2355	19.65	19.67
CA 4A-4A-12B	LTE B12	5	23095	707.5	QPSK	1	0	5095	737.5	LTE B12	5	5047	732.7	LTE B4	20	2175	2132.5	19.59	19.66
CA 4A-6A-12A-30A	LTE B12	10	23095	707.5	QPSK	1	49	5095	737.5	LTE B4	20	2175	2132.5	LTE B30	10	9820	2355	19.66	19.67
CA 12A-30A-66A-66A	LTE B12	10	23095	707.5	QPSK	1	49	5095	737.5	LTE B30	10	9820	2355	LTE B66	20	67236	2190	19.63	19.67

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Table 4
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/F 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 Power (dBm)			
CA 2A-12A	LTE B12	10	23095	707.5	16QAM	1	0	5095	737.5	LTE B2	20	900	1950	-	-	-	-	-	-	-	-	20.00	20.00			
CA 4A-12A (1)	LTE B12	10	23095	707.5	16QAM	1	0	5095	737.5	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	-	19.99	20.00			
CA 4A-12A (2)	LTE B12	10	23095	707.5	16QAM	1	0	5095	737.5	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	-	20.00	20.00			
CA 12A-66A (1)	LTE B12	10	23095	707.5	16QAM	1	0	5095	737.5	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	19.98	20.00			
CA 12A-66A (2)	LTE B12	10	23095	707.5	16QAM	1	0	5095	737.5	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	19.98	20.00			
CA 2C-12A	LTE B12	10	23095	727.5	16QAM	1	0	5095	727.5	LTE B2	20	900	1950	LTE B2	20	702	1940.2	-	-	-	-	19.95	20.00			
CA 4A-7A-12A (1)	LTE B12	10	23095	707.5	16QAM	1	0	5095	737.5	LTE B4	20	2175	2132.5	LTE B7	20	3100	2655	-	-	-	-	20.00	20.00			
CA 2A-2A-12B	LTE B12	5	23095	707.5	QPSK	1	0	5095	737.5	LTE B12	5	5047	732.7	LTE B2	20	900	1950	LTE B2	20	700	1940	20.00	19.98			
CA 2A-2A-4A-12A	LTE B12	10	23095	707.5	16QAM	1	0	5095	737.5	LTE B2	20	900	1950	LTE B2	20	700	1940	LTE B4	20	2175	2132.5	20.00	20.00			
CA 2A-4A-4A-12A	LTE B12	10	23095	707.5	16QAM	1	0	5095	737.5	LTE B2	20	900	1950	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	19.99	20.00			
CA 2A-4A-12B	LTE B12	5	23095	707.5	QPSK	1	0	5095	737.5	LTE B12	5	5047	732.7	LTE B2	20	900	1950	LTE B4	20	2175	2132.5	19.97	19.98			
CA 2A-2A-12A-30A	LTE B12	10	23095	707.5	16QAM	1	0	5095	737.5	LTE B2	20	900	1950	LTE B2	20	700	1940	LTE B30	10	9820	2355	20.00	20.00			
CA 2A-2A-12A-66A	LTE B12	10	23095	707.5	16QAM	1	0	5095	737.5	LTE B2	20	900	1950	LTE B2	20	700	1940	LTE B66	20	66786	2145	19.88	20.00			
CA 2A-12A-66A	LTE B12	10	23095	707.5	16QAM	1	0	5095	737.5	LTE B2	20	900	1950	LTE B66	20	66786	2145	LTE B66	20	67236	2190	19.89	20.00			
CA 2A-4A-12A-30A	LTE B12	10	23095	707.5	16QAM	1	0	5095	737.5	LTE B2	20	900	1950	LTE B4	20	2175	2132.5	LTE B30	10	9820	2355	20.00	20.00			
CA 2A-12A-30A-66A	LTE B12	10	23095	707.5	16QAM	1	0	5095	737.5	LTE B2	20	900	1950	LTE B30	10	9820	2355	LTE B66	20	66786	2145	20.00	20.00			
CA 2A-12A-66B	LTE B12	10	23095	707.5	16QAM	1	0	5095	737.5	LTE B2	20	900	1950	LTE B66	20	66786	2145	LTE B66	20	66884	2164.8	19.99	20.00			
CA 2A-4A-12A-66A	LTE B12	10	23095	707.5	16QAM	1	0	5095	737.5	LTE B2	20	900	1950	LTE B4	20	2175	2132.5	LTE B30	10	9820	2355	20.00	20.00			
CA 2A-12A-30A-66A	LTE B12	10	23095	707.5	16QAM	1	0	5095	737.5	LTE B2	20	900	1950	LTE B30	10	9820	2355	LTE B66	20	66786	2145	20.00	20.00			
CA 2A-12A-66B	LTE B12	10	23095	707.5	16QAM	1	0	5095	737.5	LTE B2	20	900	1950	LTE B66	20	66786	2145	LTE B66	20	66884	2164.8	19.99	20.00			
CA 4A-4A-12B	LTE B12	5	23095	707.5	QPSK	1	0	5095	737.5	LTE B12	5	5047	732.7	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	20.00	19.98			
CA 4A-4A-12A-30A	LTE B12	10	23095	707.5	16QAM	1	0	5095	737.5	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B30	10	9820	2355	20.00	20.00			
CA 12A-30A-66A-66A	LTE B12	10	23095	707.5	16QAM	1	0	5095	737.5	LTE B30	10	9820	2355	LTE B66	20	66786	2145	LTE B66	20	67236	2190	19.96	20.00			

1.3.3 LTE Band 17 as PCC

Table 5
Output Powers – Ant 1

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	10	23790	710	QPSK	1	49	5790	740	LTE B2	10	900	1960	19.70	19.67
CA 4A-17A	LTE B17	10	23790	710	QPSK	1	49	5790	740	LTE B4	10	2175	2132.5	19.69	19.67

Table 6
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	10	23790	710	16QAM	1	0	5790	740	LTE B2	10	900	1960	19.95	20.00
CA 4A-17A	LTE B17	10	23790	710	16QAM	1	0	5790	740	LTE B4	10	2175	2132.5	20.00	20.00

1.3.4 LTE Band 13 as PCC

Table 7
Output Powers – Ant 1

Combination	PCC Band	PCC						SCC 1				SCC 2				SCC 3				SCC 4				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]	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-13A	LTE B13	10	23280	782	QPSK	1	0	5280	751	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	-	21.26	21.30
CA 2A-13A-66A	LTE B13	10	23280	782	QPSK	1	0	5280	751	LTE B2	20	900	1960	LTE B66	20	50665	5537.5	-	-	-	-	-	-	-	-	21.26	21.30
CA 4A-4A-13A	LTE B13	10	23280	782	QPSK	1	0	5280	751	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	-	-	-	-	-	-	-	-	21.24	21.30
CA 13A-66A-66A	LTE B13	10	23280	782	QPSK	1	0	5280	751	LTE B66	20	50665	5537.5	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	21.26	21.30
CA 2A-13A-66C	LTE B13	10	23280	782	QPSK	1	0	5280	751	LTE B2	20	900	1960	LTE B66	20	50665	5537.5	LTE B46	20	50667	5537.7	-	-	-	-	21.26	21.30
CA 2A-2A-13A-66A	LTE B13	10	23280	782	QPSK	1	0	5280	751	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	-	-	-	-	21.26	21.30
CA 2A-13A-66A-66A	LTE B13	10	23280	782	QPSK	1	0	5280	751	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	21.23	21.30
CA 2A-13A-66C	LTE B13	10	23280	782	QPSK	1	0	5280	751	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	66786	2145	-	-	-	-	21.26	21.30
CA 2A-13A-66C	LTE B13	10	23280	782	QPSK	1	0	5280	751	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	66786	2145	-	-	-	-	21.23	21.30
CA 13A-66A-66B	LTE B13	10	23280	782	QPSK	1	0	5280	751	LTE B66	20	66786	2145	LTE B66	5	67048	2183.2	LTE B66	15	67263	2192.5	-	-	-	-	21.27	21.30
CA 13A-66A-66C	LTE B13	10	23280	782	QPSK	1	0	5280	751	LTE B66	20	66786	2145	LTE B66	20	67038	2110.2	LTE B66	20	67236	2190	-	-	-	-	21.22	21.30
CA 13A-66C-66A	LTE B13	10	23280	782	QPSK	1	0	5280	751	LTE B66	20	50665	5537.5	LTE B46	20	50667	5537.7	LTE B66	20	66786	2145	-	-	-	-	21.24	21.30
CA 2A-13A-46D	LTE B13	10	23280	782	QPSK	1	0	5280	751	LTE B2	20	900	1960	LTE B46	20	50665	5537.5	LTE B46	20	50667	5537.7	LTE B46	20	50663	5537.3	21.24	21.30
CA 13A-46C	LTE B13	10	23280	782	QPSK	1	0	5280	751	LTE B46	20	50665	5537.5	LTE B46	20	50667	5537.7	LTE B46	20	50663	5537.3	LTE B46	20	50669	5497.9	21.23	21.30
CA 13A-46D-66A	LTE B13	10	23280	782	QPSK	1	0	5280	751	LTE B46	20	50665	5537.5	LTE B46	20	50667	5537.7	LTE B46	20	50663	5537.3	LTE B66	20	66786	2145	21.26	21.30

Table 8
Output Powers – Ant 3

Combination	PCC Band	PCC						SCC 1				SCC 2				SCC 3				SCC 4				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]	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-13A	LTE B13	10	23280	782	QPSK	1	49	5280	751	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	-	21.30	21.30
CA 2A-13A-66A	LTE B13	10	23280	782	QPSK	1	49	5280	751	LTE B2	20	900	1960	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	21.26	21.30
CA 4A-4A-13A	LTE B13	10	23280	782	QPSK	1	49	5280	751	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	-	-	-	-	-	-	-	-	21.30	21.30
CA 13A-66A-66A	LTE B13	10	23280	782	QPSK	1	49	5280	751	LTE B66	20	50665	5537.5	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	21.24	21.30
CA 2A-13A-66C	LTE B13	10	23280	782	QPSK	1	49	5280	751	LTE B2	20	900	1960	LTE B66	20	50665	5537.5	LTE B46	20	50667	5537.7	-	-	-	-	21.26	21.30
CA 2A-2A-13A-66A	LTE B13	10	23280	782	QPSK	1	49	5280	751	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B46	20	50667	5537.7	-	-	-	-	21.24	21.30
CA 2A-13A-66A-66A	LTE B13	10	23280	782	QPSK	1	49	5280	751	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	21.26	21.30
CA 2A-13A-66B	LTE B13	10	23280	782	QPSK	1	49	5280	751	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	66786	2145	-	-	-	-	21.26	21.30
CA 2A-13A-66C	LTE B13	10	23280	782	QPSK	1	49	5280	751	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	66786	2145	-	-	-	-	21.26	21.30
CA 13A-66A-66B	LTE B13	10	23280	782	QPSK	1	49	5280	751	LTE B66	20	66786	2145	LTE B66	15	67248	2183.2	LTE B66	15	67248	2183.2	-	-	-	-	21.20	21.30
CA 13A-66A-66C	LTE B13	10	23280	782	QPSK	1	49	5280	751	LTE B66	20	66786	2145	LTE B66	15	67248	2183.2	LTE B66	15	67248	2183.2	-	-	-	-	21.28	21.30
CA 13A-46C-66A	LTE B13	10	23280	782	QPSK	1	49	5280	751	LTE B46	20	50665	5537.5	LTE B46	20	66786	2145	-	-	-	-	-	-	-	21.15	21.30	
CA 2A-13A-40A	LTE B13	10	23280	782	QPSK	1	49	5280	751	LTE B2	20	900	1960	LTE B46	20	50665	5537.5	LTE B46	20	50647	5537.7	LTE B46	20	50647	5537.7	21.10	21.30
CA 13A-40A-66A	LTE B13	10	23280	782	QPSK	1	49	5280	751	LTE B46	20	50665	5537.5	LTE B46	20	50647	5537.7	LTE B46	20	50647	5537.7	LTE B46	20	50647	5537.7	21.10	21.30
CA 13A-40A-66B	LTE B13	10	23280	782	QPSK	1	49	5280	751	LTE B46	20	50665	5537.5	LTE B46	20	50647	5537.7	LTE B46	20	50647	5537.7	LTE B46	20	50647	5537.7	21.10	21.30

1.3.5 LTE Band 14 as PCC

Table 9
Output Powers – Ant 1

Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC				PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC 1				SCC 2				SCC 3				Power	
				Mod.	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]	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA 2A-2A-14A-66A	LTE B14	10	23330	793	16QAM	1	0	5330	763	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	21.28	21.24
CA 2A-14A-66A-66A	LTE B14	10	23330	793	16QAM	1	0	5330	763	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	67236	2190	21.28	21.24
CA 2A-14A-30A-66A	LTE B14	10	23330	793	16QAM	1	0	5330	763	LTE B2	20	900	1960	LTE B30	10	9820	2355	LTE B66	20	66786	2145	21.24	21.24
CA 14A-30A-66A-66A	LTE B14	10	23330	793	16QAM	1	0	5330	763	LTE B30	10	9820	2355	LTE B66	20	66786	2145	LTE B66	20	67236	2190	21.20	21.24

Table 10
Output Powers – Ant 3

Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC				PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC 1				SCC 2				SCC 3				Power	
				Mod.	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]	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	21.26	21.28
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	21.29	21.28
CA 2A-14A-30A-66A	LTE B14	10	23330	793	QPSK	1	0	5330	763	LTE B2	20	900	1960	LTE B30	10	9820	2355	LTE B66	20	66786	2145	21.25	21.28
CA 14A-30A-66A-66A	LTE B14	10	23330	793	QPSK	1	0	5330	763	LTE B30	10	9820	2355	LTE B66	20	66786	2145	LTE B66	20	67236	2190	21.22	21.28

1.3.6 LTE Band 5 as PCC

Table 11
Output Powers – Ant 1

Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC				PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC 1				SCC 2				SCC 3				Power	
				Mod.	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]	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA 5A-7A	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B7	20	3100	2655	-	-	-	-	-	-	-	-	20.28	20.30
CA 5A-25A	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B25	10	8365	1962.5	-	-	-	-	-	-	-	-	20.27	20.30
CA 5A-43A	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B43	20	40020	2557.5	-	-	-	-	-	-	-	-	20.28	20.30
CA 5A-46A (1)	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	20.30	20.30
CA 2C-5A	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B2	20	900	1960	LTE B2	20	702	1940.2	-	-	-	-	20.29	20.30
CA 5A-46A (1)	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B46	20	50665	5537.5	LTE B46	20	50665	5537.7	-	-	-	-	20.24	20.30
CA 2A-2A-5A-5A	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B4	20	2175	2132.5	20.25	20.30
CA 2A-2A-4A-5A	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B4	20	2175	2132.5	20.25	20.30
CA 2A-2A-4A-5A	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B4	20	2175	2132.5	20.22	20.30
CA 2A-2A-5A-5A	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B30	10	9820	2355	20.26	20.30
CA 2A-2A-5A-66A	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	67236	2190	20.23	20.30
CA 2A-4A-5A-5A	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B30	10	9820	2355	20.21	20.30
CA 2A-5A-30A-66A	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B2	20	900	1960	LTE B30	10	9820	2355	LTE B66	20	66786	2145	20.22	20.30
CA 4A-4A-5A	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B5	5	2453	874.3	LTE B4	20	2175	2132.5	LTE B4	10	2150	2150	20.24	20.30
CA 4A-4A-5A-30A	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B5	5	2453	874.3	LTE B4	20	2175	2132.5	LTE B66	15	67263	2192.5	20.26	20.30
CA 5A-46D (1)	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B46	20	50665	5537.5	LTE B46	20	50667	5537.7	-	-	-	-	20.28	20.30
CA 5A-66B	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	LTE B66	20	66984	2164.8	20.23	20.30
CA 5A-66A-66B	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B66	20	66786	2145	LTE B66	5	67168	2183.2	LTE B66	15	67263	2192.5	20.26	20.30
CA 5A-66A-66C	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B66	20	66786	2145	LTE B66	20	67038	2170.2	LTE B66	20	67236	2190	20.25	20.30
CA 5A-66A-66A	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B66	20	66786	2145	LTE B66	20	66786	2145	LTE B66	20	67236	2190	20.25	20.30
CA 2A-2A-5A-66B	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	15	66979	2164.8	20.27	20.30
CA 2A-2A-5A-66C	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66984	2164.8	20.25	20.30
CA 2A-5A-66A-66A	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B5	5	2453	874.3	LTE B2	20	900	1960	LTE B66	20	66786	2145	20.29	20.30
CA 2A-5A-66C	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B5	5	2453	874.3	LTE B2	20	900	1960	LTE B66	20	66984	2164.8	20.27	20.30
CA 2A-5A-30A-66A	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B5	5	2453	874.3	LTE B2	20	900	1960	LTE B30	10	9820	2355	20.26	20.30
CA 5B-30A-66A-66A	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B5	5	2453	874.3	LTE B30	10	9820	2355	LTE B66	20	66786	2145	20.30	20.30

Table 12
Output Powers – Ant 3

Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC				PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC 1				SCC 2				SCC 3				Power					
				Mod.	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]	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)				
CA 5A-7A	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B7	20	3100	2655								21.30	21.40					
CA 5A-25A	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B25	20	8365	1962.5								21.26	21.40					
CA 5A-43A	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B43	20	40020	2557.5								21.30	21.40					
CA 5A-46A (1)	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B46	20	50665	5537.5								21.38	21.40					
CA 5A-46C (1)	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B2	20	900	1960	LTE B2	20	702	1940.2				21.26	21.40					
CA 2A-2A-4A-5A	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B46	20	50665	5537.5	LTE B46	20	50667	5537.7				21.30	21.40					
CA 2A-2A-4A-5A	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B4	20	2175	2132.5	21.26	21.40				
CA 2A-2A-5A-5A	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B4	20	2150	2150	21.30	21.40				
CA 2A-2A-5A-30A	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B30	10	9820	2355	21.23	21.40				
CA 2A-2A-5A-66A	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	67236	2190	21.29	21.40				
CA 2A-5A-66A-66A	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	67236	2190	21.26	21.40				
CA 2A-5A-30A-30A	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B2	20	900	1960	LTE B30	10	9820	2355	LTE B66	20	67236	2190	21.34	21.40				
CA 2A-4A-5A	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B4	20	2150	2150	21.30	21.40				
CA 4A-5A-30A-30A	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B2	20	900	1960	LTE B30	10	9820	2355	LTE B66	20	67236	2190	21.29	21.40				
CA 5A-46C (1)	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B46	20	50665	5537.5	LTE B46	20	50667	5537.7	LTE B46	20	50663	5537.3	21.33	21.40				
CA 5A-66A-66A	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	67236	2190	21.26	21.40				
CA 5A-66A-66B	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B46	20	50665	5537.5	LTE B46	20	50667	5537.7	LTE B66	20	67236	2190	21.30	21.40				
CA 5A-66A-66B	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	67236	2190	21.26	21.40				
CA 5A-66A-66B	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B46	20	50665	5537.5	LTE B46	20	50667	5537.7	LTE B66	20	67236	2190	21.31	21.40				
CA 5A-30A-66A-66A	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B2	20	900	1960	LTE B30	10	9820	2355	LTE B66	20	67236	2190	21.29	21.40				
CA 2A-2A-5A-66B	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	LTE B66	20	66789	2144.3	21.29	21.40
CA 2A-2A-5A-66C	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	LTE B66	20	66789	2144.3	21.23	21.40
CA 2A-5A-66B-66A	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	67236	2190	21.26	21.40				
CA 2A-5B-66B	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B5	5	2453	874.3	LTE B66	20	66786	2145	LTE B66	20	66786	2145	LTE B66	20	66786	2144.8	21.11	21.40
CA 5B-30A-66A-66A	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B5	5	2453	874.3	LTE B30	10	9820	2355	LTE B66	20	66786	2145	LTE B66	20	67236	2190	21.09	21.40

1.3.7 LTE Band 26 as PCC

Table 13
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) 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_25A-26A	LTE B26	10	26990	844	QPSK	1	0	8990	889	LTE B25	20	8365	1962.5	-	-	-	-	20.27	20.30
CA_25A-25A-26A	LTE B26	5	26715	816.5	64QAM	1	0	8715	861.5	LTE B25	20	8365	1962.5	LTE B25	20	8590	1985	20.30	20.19

Table 14
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) 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_25A-26A	LTE B26	10	26740	819	QPSK	1	0	8740	864	LTE B25	20	8365	1962.5	-	-	-	-	21.20	21.40
CA_25A-25A-26A	LTE B26	5	26715	816.5	64QAM	1	0	8715	861.5	LTE B25	20	8365	1962.5	LTE B25	20	8590	1985	21.30	21.40

1.3.8 LTE Band 4 as PCC

Table 15
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]	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_2A-4A	LTE B4	15	20025	1717.5	16QAM	5	36	20025	2117.5	LTE B2	20	900	1960	-	-	-	-	14.48	14.70
CA_4A-12A(1)	LTE B4	15	20025	1717.5	16QAM	1	36	20025	2117.5	LTE B12	10	5095	717.5	-	-	-	-	14.67	14.70
CA_4A-12A(2)	LTE B4	15	20025	1717.5	16QAM	1	36	20025	2117.5	LTE B12	10	5095	717.5	-	-	-	-	14.67	14.70
CA_4A-17A	LTE B4	10	20020	1715	64QAM	1	49	20020	2110	LTE B17	10	5700	740	-	-	-	-	14.64	14.70
CA_4A-20A	LTE B4	10	20020	1715	64QAM	1	49	20020	2110	LTE B20	10	5715	722.5	-	-	-	-	14.68	14.70
CA_2A-4A-13A	LTE B4	15	20025	1717.5	16QAM	1	36	20025	2117.5	LTE B2	20	900	1960	LTE B13	10	5230	751	14.53	14.70
CA_2A-4A-71A	LTE B4	15	20025	1717.5	16QAM	1	36	20025	2117.5	LTE B2	20	900	1960	LTE B71	20	68761	634.5	14.50	14.70
CA_4A-4A-7A(1)	LTE B4	15	20025	1717.5	16QAM	1	36	20025	2117.5	LTE B4	20	2300	2145	LTE B7	20	3100	2655	14.62	14.70
CA_4A-4A-7A(2)	LTE B4	15	20025	1717.5	16QAM	1	36	20025	2117.5	LTE B7	20	3100	2655	LTE B7	20	2850	2630	14.53	14.70
CA_4A-4A-13A	LTE B4	15	20025	1717.5	16QAM	1	36	20025	2117.5	LTE B4	20	2300	2145	LTE B13	10	5230	751	14.48	14.70
CA_4A-4A-20A	LTE B4	15	20025	1717.5	16QAM	1	36	20025	2117.5	LTE B4	20	2300	2145	LTE B20	10	5715	722.5	14.50	14.70
CA_4A-4A-46A	LTE B4	15	20025	1717.5	16QAM	1	36	20025	2117.5	LTE B46	20	50665	5537.5	LTE B46	20	47000	5180	14.57	14.70
CA_4A-4A-71A	LTE B4	15	20025	1717.5	16QAM	1	36	20025	2117.5	LTE B4	20	2300	2145	LTE B71	20	68761	634.5	14.47	14.70
CA_4A-4A-12A(1)	LTE B4	15	20025	1717.5	16QAM	1	36	20025	2117.5	LTE B2	20	900	1960	LTE B12	10	5095	717.5	14.64	14.70
CA_2A-2A-4A-4A	LTE B4	15	20025	1717.5	16QAM	1	36	20025	2117.5	LTE B4	20	2300	2145	LTE B2	20	900	1960	14.68	14.70
CA_2A-2A-4A-5A	LTE B4	15	20025	1717.5	16QAM	1	36	20025	2117.5	LTE B2	20	900	1960	LTE B5	10	2525	881.5	14.46	14.70
CA_2A-4A-4A-5A	LTE B4	15	20025	1717.5	16QAM	1	36	20025	2117.5	LTE B4	20	2300	2145	LTE B5	10	2525	881.5	14.62	14.70
CA_2A-4A-5B	LTE B4	15	20025	1717.5	16QAM	1	36	20025	2117.5	LTE B2	20	900	1960	LTE B5	10	2525	881.5	14.57	14.70
CA_2A-2A-4A-12A	LTE B4	15	20025	1717.5	16QAM	1	36	20025	2117.5	LTE B2	20	900	1960	LTE B12	10	5095	717.5	14.57	14.70
CA_2A-4A-4A-12A	LTE B4	15	20025	1717.5	16QAM	1	36	20025	2117.5	LTE B4	20	2300	2145	LTE B12	10	5095	717.5	14.62	14.70
CA_2A-4A-12B	LTE B4	15	20025	1717.5	16QAM	1	36	20025	2117.5	LTE B2	20	900	1960	LTE B12	5	5047	717.5	14.54	14.70
CA_2A-4A-5A-30A	LTE B4	15	20025	1717.5	16QAM	1	36	20025	2117.5	LTE B2	20	900	1960	LTE B5	10	2525	881.5	14.64	14.70
CA_2A-4A-12A-30A	LTE B4	15	20025	1717.5	16QAM	1	36	20025	2117.5	LTE B2	20	900	1960	LTE B12	10	5095	717.5	14.56	14.70
CA_2A-4A-20A-30A	LTE B4	15	20025	1717.5	16QAM	1	36	20025	2117.5	LTE B4	20	2300	2145	LTE B20	10	5715	722.5	14.58	14.70
CA_4A-4A-5B	LTE B4	15	20025	1717.5	16QAM	1	36	20025	2117.5	LTE B4	20	2300	2145	LTE B5	10	2525	881.5	14.58	14.70
CA_4A-4A-46C	LTE B4	15	20025	1717.5	16QAM	1	36	20025	2117.5	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	14.53	14.70
CA_4A-4A-5A-30A	LTE B4	15	20025	1717.5	16QAM	1	36	20025	2117.5	LTE B4	20	2300	2145	LTE B5	10	2525	881.5	14.61	14.70
CA_4A-4A-12A-30A	LTE B4	15	20025	1717.5	16QAM	1	36	20025	2117.5	LTE B4	20	2300	2145	LTE B12	10	5095	717.5	14.62	14.70
CA_4A-4A-46D	LTE B4	15	20025	1717.5	16QAM	1	36	20025	2117.5	LTE B46	20	50665	5537.5	LTE B46	20	53144	5785.4	14.59	14.70

Table 16
Output Powers – Ant 2B

Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC		Mod.	PCC UL RB	PCC UL RB Offset	PCC (DL) Channel	SCC 1				SCC 2				SCC 3				SCC 4				Power																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
				PCC (UL) Freq. [MHz]	PCC (UL) 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	20300	1745	QPSK	1	99	2300	2145	LTE B2	20	900	1960	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 17
Output Powers – Ant 4A

Combination	PCC Band	PCC					SCC 1					SCC 2					SCC 3					SCC 4					Power		
		PCC BW [MHz]	PCC [DL] CH Freq. [MHz]	PCC [UL] CH Freq. [MHz]	PCC UL RB Offset	PCC [DL] Channel	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 CA Tx Power (dBm)	LTE Single Carrier Tx Power (dBm)					
CA 2A-4A	LTE B4	20	20300	1745	GPX	1	99	2300	2145	LTE B2	20	900	1960	1745	-	900	1960	1745	-	900	1960	1745	-	14.88	15.00				
CA 4A-12A(1)	LTE B4	20	20300	1745	GPX	1	99	2300	2145	LTE B12	10	5095	737.5	-	-	5095	737.5	-	-	5095	737.5	-	-	15.00	15.00				
CA 4A-12A(2)	LTE B4	20	20300	1745	GPX	1	99	2300	2145	LTE B12	10	5095	737.5	-	-	5095	737.5	-	-	5095	737.5	-	-	14.97	15.00				
CA 4A-12A(3)	LTE B4	20	20300	1745	GPX	1	99	2300	2145	LTE B12	10	5095	737.5	-	-	5095	737.5	-	-	5095	737.5	-	-	14.95	15.00				
CA 4A-29A	LTE B4	20	20300	1715	GPX	1	49	2000	2115	LTE B29	10	9715	722.5	-	-	9715	722.5	-	-	9715	722.5	-	-	14.96	14.98				
CA 2A-14A-13A	LTE B4	20	20300	1745	GPX	1	99	2300	2145	LTE B2	20	900	1960	LTE B13	10	5230	751	-	-	5230	751	-	-	14.97	15.00				
CA 2A-14A	LTE B4	20	20300	1745	GPX	1	99	2300	2145	LTE B2	20	900	1960	LTE B13	10	5230	751	-	-	5230	751	-	-	14.97	15.00				
CA 4A-7A-11(1)	LTE B4	20	20300	1745	GPX	1	99	2300	2145	LTE B4	20	2050	2120	LTE B7	20	3100	2655	-	-	3100	2655	-	-	15.00	15.00				
CA 4A-7A-11(2)	LTE B4	20	20300	1745	GPX	1	99	2300	2145	LTE B7	20	3100	2655	LTE B7	20	2830	2630	-	-	2830	2630	-	-	15.00	15.00				
CA 4A-7A-11(3)	LTE B4	20	20300	1745	GPX	1	99	2300	2145	LTE B7	20	3100	2655	LTE B7	20	2830	2630	-	-	2830	2630	-	-	15.00	15.00				
CA 4A-29A-13A	LTE B4	20	20300	1745	GPX	1	99	2300	2145	LTE B4	20	2050	2120	LTE B29	10	5230	751	-	-	5230	751	-	-	15.00	15.00				
CA 4A-29A	LTE B4	20	20300	1745	GPX	1	99	2300	2145	LTE B4	20	2050	2120	LTE B29	10	5230	751	-	-	5230	751	-	-	15.00	15.00				
CA 4A-46A-46C	LTE B4	20	20300	1745	GPX	1	99	2300	2145	LTE B46	20	50665	5337.5	LTE B46	20	47900	5180	-	-	47900	5180	-	-	14.93	14.98				
CA 4A-14A	LTE B4	20	20300	1745	GPX	1	99	2300	2145	LTE B4	20	2050	2120	LTE B7	20	46785	46785	-	-	46785	46785	-	-	14.97	15.00				
CA 4A-7A-12A(1)	LTE B4	20	20300	1745	GPX	1	99	2300	2145	LTE B7	20	3100	2655	LTE B12	10	5095	737.5	-	-	5095	737.5	-	-	14.88	15.00				
CA 2A-14A-4A	LTE B4	20	20300	1745	GPX	1	99	2300	2145	LTE B4	20	2050	2120	LTE B2	20	900	1960	LTE B2	20	700	1940	-	-	15.00	15.00				
CA 2A-14A-5A	LTE B4	20	20300	1745	GPX	1	99	2300	2145	LTE B4	20	900	1960	LTE B2	20	900	1940	LTE B5	10	2525	878.3	-	-	14.90	14.90				
CA 2A-14A-5A	LTE B4	20	20300	1745	GPX	1	99	2300	2145	LTE B4	20	900	1960	LTE B2	20	900	1940	LTE B5	10	2525	878.3	-	-	14.90	14.90				
CA 4A-5B	LTE B4	20	20300	1745	GPX	1	99	2300	2145	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	-	-	14.90	15.00				
CA 2A-4A-12A	LTE B4	20	20300	1745	GPX	1	99	2300	2145	LTE B2	20	900	1960	LTE B2	20	900	1940	LTE B12	10	5095	737.5	-	-	14.98	15.00				
CA 2A-4A-12A	LTE B4	20	20300	1745	GPX	1	99	2300	2145	LTE B2	20	900	1960	LTE B2	20	900	1940	LTE B12	10	5095	737.5	-	-	14.98	15.00				
CA 2A-4A-12B	LTE B4	20	20300	1745	GPX	1	99	2300	2145	LTE B2	20	900	1960	LTE B12	5	5095	727.5	LTE B12	5	5047	732.7	-	-	15.00	15.00				
CA 2A-4A-13A	LTE B4	20	20300	1745	GPX	1	99	2300	2145	LTE B2	20	900	1960	LTE B12	10	5095	737.5	LTE B12	10	5047	732.7	-	-	15.00	15.00				
CA 2A-14A-29A-30A	LTE B4	20	20300	1745	GPX	1	99	2300	2145	LTE B4	20	2050	2120	LTE B5	10	2755	880	LTE B30	10	9620	2355	-	-	14.93	14.93				
CA 2A-14A-29A-30A	LTE B4	20	20300	1745	GPX	1	99	2300	2145	LTE B4	20	2050	2120	LTE B5	10	2755	881.5	LTE B30	10	9620	2355	-	-	14.93	14.93				
CA 4A-14A-13A	LTE B4	20	20300	1745	GPX	1	99	2300	2145	LTE B2	20	900	1960	LTE B29	10	9715	722.5	LTE B30	10	9620	2355	-	-	14.93	15.00				
CA 4A-14A	LTE B4	20	20300	1745	GPX	1	99	2300	2145	LTE B4	20	2050	2120	LTE B5	10	2755	881.5	LTE B5	10	4717	874.3	-	-	14.97	15.00				
CA 4A-4A-12B	LTE B4	20	20300	1745	GPX	1	99	2300	2145	LTE B4	20	2050	2120	LTE B12	5	5095	737.5	LTE B12	5	5047	732.7	-	-	15.00	15.00				
CA 4A-46A-46C	LTE B4	20	20300	1745	GPX	1	99	2300	2145	LTE B46	20	50665	5337.5	LTE B46	20	50667	5337.7	LTE B46	20	53540	5823	-	-	14.90	15.00				
CA 4A-4A-46A-46C	LTE B4	20	20300	1745	GPX	1	99	2300	2145	LTE B46	20	50665	5337.5	LTE B46	20	50667	5337.7	LTE B46	20	53540	5823	-	-	14.90	15.00				
CA 4A-4A-12A-30A	LTE B4	20	20300	1745	GPX	1	99	2300	2145	LTE B4	20	2050	2120	LTE B12	10	5095	737.5	LTE B30	10	9620	2355	-	-	14.99	15.00				
CA 4A-4A-12A-30A	LTE B4	20	20300	1745	GPX	1	99	2300	2145	LTE B4	20	2050	2120	LTE B12	10	5095	737.5	LTE B30	10	9620	2355	-	-	14.99	15.00				
CA 4A-46A-46C	LTE B4	20	20300	1745	GPX	1	99	2300	2145	LTE B46	20	50665	5337.5	LTE B46	20	53344	5785.4	LTE B46	20	53342	5823.5	LTE B46	20	53540	5823	-	-	14.99	15.00

Table 18
Output Powers – Ant 4B

Combination	PCB Band	PCC				SCC 1				SCC 2				SCC 3				SCC 4				Power					
		PCB BW [MHz]	PCC [UL] Freq. [MHz]	Mod.	PCC UL# RB	PC UL RB Offset	PC [UL] 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 with DC (Enb) [dBm]	LTE Single Carrier Tx Power [dBm]		
CA 2A-4A	LTE B4	20	2000	1715	64QAM	1	0	2000	2115	LTE B2	20	900	1960	-	-	2000	2115	LTE B2	20	900	1960	-	-	34.49	15.47		
CA 4A-12A(1)	LTE B4	20	2000	1715	64QAM	1	0	2000	2115	LTE B12	20	5095	737.5	-	-	2000	2115	LTE B12	20	5095	737.5	-	-	14.45	14.47		
CA 4A-12A(2)	LTE B4	20	2000	1715	64QAM	1	0	2000	2115	LTE B12	20	5095	737.5	-	-	2000	2115	LTE B12	20	5095	737.5	-	-	14.45	14.47		
CA 4A-29A	LTE B4	20	2000	1715	64QAM	1	0	2000	2115	LTE B29	20	9750	740	-	-	2000	2115	LTE B29	20	9750	740	-	-	14.45	14.47		
CA 2A-4A-13A	LTE B4	20	2000	1715	64QAM	1	0	2000	2115	LTE B2	20	900	1960	LTE B13	20	5230	751	-	-	2000	2115	LTE B2	20	900	1960	16.48	14.47
CA 2A-4A-14A	LTE B4	20	2000	1715	64QAM	1	0	2000	2115	LTE B2	20	900	1960	LTE B13	20	5230	751	-	-	2000	2115	LTE B2	20	900	1960	16.48	14.47
CA 4A-7A-7A(1)	LTE B4	20	2000	1715	64QAM	1	0	2000	2115	LTE B4	20	3100	2655	LTE B7	20	3100	2655	-	-	2000	2115	LTE B4	20	3100	2655	14.40	14.47
CA 4A-7A-7A(2)	LTE B4	20	2000	1715	64QAM	1	0	2000	2115	LTE B7	20	3100	2655	LTE B7	20	2850	2630	-	-	2000	2115	LTE B7	20	3100	2655	14.16	14.47
CA 4A-6A-16A	LTE B4	20	2000	1715	64QAM	1	0	2000	2115	LTE B4	20	3100	2655	LTE B16	20	5235	751	-	-	2000	2115	LTE B4	20	3100	2655	14.40	14.47
CA 4A-2A-29A	LTE B4	20	2000	1715	64QAM	1	0	2000	2115	LTE B4	20	2100	2145	LTE B29	20	4715	722.5	-	-	2000	2115	LTE B4	20	2100	2145	14.39	14.47
CA 4A-46A-46A	LTE B4	20	2000	1715	64QAM	1	0	2000	2115	LTE B46	20	50665	5337.5	LTE B46	20	4700	5180	-	-	2000	2115	LTE B46	20	50665	5337.5	14.38	14.47
CA 4A-7A-12A(1)	LTE B4	20	2000	1715	64QAM	1	0	2000	2115	LTE B4	20	3100	2655	LTE B12	20	5095	737.5	-	-	2000	2115	LTE B4	20	3100	2655	14.41	14.47
CA 4A-7A-12A(2)	LTE B4	20	2000	1715	64QAM	1	0	2000	2115	LTE B7	20	3100	2655	LTE B12	20	5095	737.5	-	-	2000	2115	LTE B7	20	3100	2655	14.37	14.47
CA 2A-2A-4A-4A	LTE B4	20	2000	1715	64QAM	1	0	2000	2115	LTE B4	20	2100	2145	LTE B2	20	900	1960	LTE B2	20	700	1940	-	-	14.42	14.47		
CA 2A-2A-6A-6A	LTE B4	20	2000	1715	64QAM	1	0	2000	2115	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B5	20	2525	881.5	-	-	14.42	14.47		
CA 2A-6A-6A-6A	LTE B4	20	2000	1715	64QAM	1	0	2000	2115	LTE B4	20	2100	2145	LTE B5	20	2525	881.5	-	-	2000	2115	LTE B4	20	2100	2145	14.42	14.47
CA 2A-4A-12A	LTE B4	20	2000	1715	64QAM	1	0	2000	2115	LTE B2	20	900	1960	LTE B5	20	2525	881.5	LTE B5	20	2453	879.3	-	-	14.40	14.47		
CA 2A-4A-12A-12A	LTE B4	20	2000	1715	64QAM	1	0	2000	2115	LTE B2	20	900	1960	LTE B12	20	5095	737.5	-	-	2000	2115	LTE B2	20	900	1960	14.42	14.47
CA 2A-4A-12A-12A-12A	LTE B4	20	2000	1715	64QAM	1	0	2000	2115	LTE B2	20	900	1960	LTE B12	20	5095	737.5	-	-	2000	2115	LTE B2	20	900	1960	14.42	14.47
CA 2A-4A-12B	LTE B4	20	2000	1715	64QAM	1	0	2000	2115	LTE B2	20	900	1960	LTE B12	5	5095	737.5	LTE B12	5	5047	732.5	-	-	14.46	14.47		
CA 2A-9A-9A-9A	LTE B4	20	2000	1715	64QAM	1	0	2000	2115	LTE B2	20	900	1960	LTE B5	15	2525	881.5	LTE B30	10	8620	2305	-	-	14.44	14.47		
CA 2A-4A-12A-30A	LTE B4	20	2000	1715	64QAM	1	0	2000	2115	LTE B2	20	900	1960	LTE B12	20	5095	737.5	LTE B30	10	8620	2305	-	-	14.44	14.47		
CA 2A-7A-29A-30A	LTE B4	20	2000	1715	64QAM	1	0	2000	2115	LTE B2	20	900	1960	LTE B29	10	7225	881.5	LTE B30	10	8620	2305	-	-	14.44	14.47		
CA 4A-4A-5A	LTE B4	20	2000	1715	64QAM	1	0	2000	2115	LTE B4	20	2145	115	15	2525	881.5	LTE B5	5	2453	879.3	-	-	14.44	14.47			
CA 4A-4A-12B	LTE B4	20	2000	1715	64QAM	1	0	2000	2115	LTE B4	20	2145	115	15	2525	881.5	LTE B12	10	8620	2305	-	-	14.44	14.47			
CA 4A-46A-46A	LTE B4	20	2000	1715	64QAM	1	0	2000	2115	LTE B46	20	50665	5337.5	LTE B46	20	50467	5337.7	LTE B46	20	51340	5825	-	-	14.49	14.47		
CA 4A-46A-46A-46A	LTE B4	20	2000	1715	64QAM	1	0	2000	2115	LTE B46	20	50665	5337.5	LTE B46	20	50467	5337.7	LTE B46	20	51340	5825	-	-	14.49	14.47		
CA 4A-12A-30A-30A	LTE B4	20	2000	1715	64QAM	1	0	2000	2115	LTE B4	20	2100	2145	LTE B12	5	5095	737.5	LTE B30	10	8620	2305	-	-	14.44	14.47		
CA 4A-4A-46A-46A	LTE B4	20	2000	1715	64QAM	1	0	2000	2115	LTE B4	20	50665	5337.5	LTE B46	20	53344	5765.4	LTE B46	20	53342	5805.2	LTE B46	20	53340	5825	14.49	14.47

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LTE Band 66 as PCC

Table 19
Output Powers – Ant 2A

Combination	PCC Band	PCC				SCS1				SCS2				SCS3				SCS4				Power		
		PCC BW (MHz)	PCC (UL) Freq. (MHz)	Mod.	PCC UL RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. (MHz)	SCS BW (MHz)	SCS (DL) Channel	SCS (DL) Freq. (MHz)	SCS Band	SCS BW (MHz)	SCS (DL) Channel	SCC (DL) Freq. (MHz)	SCS BW (MHz)	SCC (DL) Channel	SCC (DL) Freq. (MHz)	SCS Band	SCS BW (MHz)	SCC (DL) Channel	SCC (DL) Freq. (MHz)	LTE Tx Power with CA (dBm)	LTE Single Carrier Tx Power (dBm)
CA 2A-6A	LTB 866	15	132047	1717.5	15QAM	1	36	66511	2117.5	LTB 82	20	900	1960										14.49	14.70
CA 7A-6A	LTB 866	15	132047	1717.5	15QAM	1	36	66511	2117.5	LTB 87	20	3100	2635										14.49	14.70
CA 12A-6A(1)	LTB 866	15	132047	1717.5	15QAM	1	36	66511	2117.5	LTB 812	10	5095	737.5										14.49	14.70
CA 12A-6A(17)	LTB 866	15	132047	1717.5	15QAM	1	36	66511	2117.5	LTB 817	10	5095	737.5										14.49	14.70
CA 7A-6A	LTB 866	15	132047	1717.5	15QAM	1	36	66511	2117.5	LTB 82	20	900	1960	LTB 82	20	700	1940	LTB 82	20	700	1940		14.47	14.70
CA 2A-6A-6A	LTB 866	15	132047	1717.5	15QAM	1	36	66511	2117.5	LTB 82	20	900	1960	LTB 846	20	50605	5337.5	LTB 846	20	50605	5337.5		14.49	14.70
CA 2A-6A-6A-6A	LTB 866	15	132047	1717.5	15QAM	1	36	66511	2117.5	LTB 82	20	900	1960	LTB 873	20	48761	434.5	LTB 873	20	48761	434.5		14.49	14.70
CA 13A-6A-6A	LTB 866	15	132047	1717.5	15QAM	1	36	66511	2117.5	LTB 813	10	5100	737.5	LTB 846	20	50605	5337.5	LTB 846	20	50605	5337.5		14.49	14.70
CA 28A-6A-6A	LTB 866	15	132047	1717.5	15QAM	1	36	66511	2117.5	LTB 866	20	67236	2100	LTB 829	10	5191	722.5	LTB 829	10	5191	722.5		14.49	14.70
CA 4A-6A-6A	LTB 866	15	132047	1717.5	15QAM	1	36	66511	2117.5	LTB 866	20	67236	2100	LTB 846	20	50605	5337.5	LTB 846	20	50605	5337.5		14.49	14.70
CA 4A-6A-6A-6A	LTB 866	15	132047	1717.5	15QAM	1	36	66511	2117.5	LTB 866	20	67236	2100	LTB 846	20	50605	5337.5	LTB 846	20	50605	5337.5		14.49	14.70
CA 4A-6A-6A-6A-6A	LTB 866	15	132047	1717.5	15QAM	1	36	66511	2117.5	LTB 866	20	67236	2100	LTB 873	20	48761	434.5	LTB 873	20	48761	434.5		14.49	14.70
CA 2A-2A-6A-6A	LTB 866	15	132047	1717.5	15QAM	1	36	66511	2117.5	LTB 866	20	67236	2100	LTB 82	20	900	1960	LTB 82	20	900	1960		14.49	14.70
CA 2A-2A-6A-6A-6A	LTB 866	15	132047	1717.5	15QAM	1	36	66511	2117.5	LTB 866	20	67236	2100	LTB 82	20	900	1960	LTB 82	20	900	1960		14.49	14.70
CA 2A-2A-6A-6A-6A-6A	LTB 866	15	132047	1717.5	15QAM	1	36	66511	2117.5	LTB 866	20	67236	2100	LTB 82	20	900	1960	LTB 82	20	900	1960		14.49	14.70
CA 2A-12A-6A-6A	LTB 866	15	132047	1717.5	15QAM	1	36	66511	2117.5	LTB 866	20	67236	2100	LTB 82	20	900	1960	LTB 82	20	900	1960		14.49	14.70
CA 2A-12A-6A-6A-6A	LTB 866	15	132047	1717.5	15QAM	1	36	66511	2117.5	LTB 866	20	67236	2100	LTB 82	20	900	1960	LTB 82	20	900	1960		14.49	14.70
CA 2A-12A-6A-6A-6A-6A	LTB 866	15	132047	1717.5	15QAM	1	36	66511	2117.5	LTB 866	20	67236	2100	LTB 82	20	900	1960	LTB 82	20	900	1960		14.49	14.70
CA 2A-12A-6A-6A-6A-6A-6A	LTB 866	15	132047	1717.5	15QAM	1	36	66511	2117.5	LTB 866	20	67236	2100	LTB 82	20	900	1960	LTB 82	20	900	1960		14.49	14.70
CA 2A-12A-6A-6A-6A-6A-6A-6A	LTB 866	15	132047	1717.5	15QAM	1	36	66511	2117.5	LTB 866	20	67236	2100	LTB 82	20	900	1960	LTB 82	20	900	1960		14.49	14.70
CA 2A-12A-6A-6A-6A-6A-6A-6A-6A	LTB 866	15	132047	1717.5	15QAM	1	36	66511	2117.5	LTB 866	20	67236	2100	LTB 82	20	900	1960	LTB 82	20	900	1960		14.49	14.70
CA 2A-12A-6A-6A-6A-6A-6A-6A-6A-6A	LTB 866	15	132047	1717.5	15QAM	1	36	66511	2117.5	LTB 866	20	67236	2100	LTB 82	20	900	1960	LTB 82	20	900	1960		14.49	14.70
CA 2A-12A-6A-6A-6A-6A-6A-6A-6A-6A-6A	LTB 866	15	132047	1717.5	15QAM	1	36	66511	2117.5	LTB 866	20	67236	2100	LTB 82	20	900	1960	LTB 82	20	900	1960		14.49	14.70
CA 2A-12A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A	LTB 866	15	132047	1717.5	15QAM	1	36	66511	2117.5	LTB 866	20	67236	2100	LTB 82	20	900	1960	LTB 82	20	900	1960		14.49	14.70
CA 2A-12A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A	LTB 866	15	132047	1717.5	15QAM	1	36	66511	2117.5	LTB 866	20	67236	2100	LTB 82	20	900	1960	LTB 82	20	900	1960		14.49	14.70
CA 2A-12A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A	LTB 866	15	132047	1717.5	15QAM	1	36	66511	2117.5	LTB 866	20	67236	2100	LTB 82	20	900	1960	LTB 82	20	900	1960		14.49	14.70
CA 2A-12A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A	LTB 866	15	132047	1717.5	15QAM	1	36	66511	2117.5	LTB 866	20	67236	2100	LTB 82	20	900	1960	LTB 82	20	900	1960		14.49	14.70
CA 2A-12A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A	LTB 866	15	132047	1717.5	15QAM	1	36	66511	2117.5	LTB 866	20	67236	2100	LTB 82	20	900	1960	LTB 82	20	900	1960		14.49	14.70
CA 2A-12A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A	LTB 866	15	132047	1717.5	15QAM	1	36	66511	2117.5	LTB 866	20	67236	2100	LTB 82	20	900	1960	LTB 82	20	900	1960		14.49	14.70
CA 2A-12A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A	LTB 866	15	132047	1717.5	15QAM	1	36	66511	2117.5	LTB 866	20	67236	2100	LTB 82	20	900	1960	LTB 82	20	900	1960		14.49	14.70
CA 2A-12A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A	LTB 866	15	132047	1717.5	15QAM	1	36	66511	2117.5	LTB 866	20	67236	2100	LTB 82	20	900	1960	LTB 82	20	900	1960		14.49	14.70
CA 2A-12A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A	LTB 866	15	132047	1717.5	15QAM	1	36	66511	2117.5	LTB 866	20	67236	2100	LTB 82	20	900	1960	LTB 82	20	900	1960		14.49	14.70
CA 2A-12A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A	LTB 866	15	132047	1717.5	15QAM	1	36	66511	2117.5	LTB 866	20	67236	2100	LTB 82	20	900	1960	LTB 82	20	900	1960		14.49	14.70
CA 2A-12A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A	LTB 866	15	132047	1717.5	15QAM	1	36	66511	2117.5	LTB 866	20	67236	2100	LTB 82	20	900	1960	LTB 82	20	900	1960		14.49	14.70
CA 2A-12A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A	LTB 866	15	132047	1717.5	15QAM	1	36	66511	2117.5	LTB 866	20	67236	2100	LTB 82	20	900	1960	LTB 82	20	900	1960		14.49	14.70
CA 2A-12A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A	LTB 866	15	132047	1717.5	15QAM	1	36	66511	2117.5	LTB 866	20	67236	2100	LTB 82	20	900	1960	LTB 82	20	900	1960		14.49	14.70
CA 2A-12A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A	LTB 866	15	132047	1717.5	15QAM	1	36	66511	2117.5	LTB 866	20	67236	2100	LTB 82	20	900	1960	LTB 82	20	900	1960		14.49	14.70
CA 2A-12A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A	LTB 866	15	132047	1717.5	15QAM	1	36	66511	2117.5	LTB 866	20	67236	2100	LTB 82	20	900	1960	LTB 82	20	900	1960		14.49	14.70
CA 2A-12A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A	LTB 866	15	132047	1717.5	15QAM	1	36	66511	2117.5	LTB 866	20	67236	2100	LTB 82	20	900	1960	LTB 82	20	900	1960		14.49	14.70
CA 2A-12A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A	LTB 866	15	132047	1717.5	15QAM	1	36	66511	2117.5	LTB 866	20	67236	2100	LTB 82	20	900	1960	LTB 82	20	900	1960		14.49	14.70
CA 2A-12A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A	LTB 866	15	132047	1717.5	15QAM	1	36	66511	2117.5	LTB 866	20	67236	2100	LTB 82	20	900	1960	LTB 82	20	900	1960		14.49	14.70
CA 2A-12A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A	LTB 866	15	132047	1717.5	15QAM	1	36	66511	2117.5	LTB 866	20	67236	2100	LTB 82	20	900	1960	LTB 82	20	900	1960		14.49	14.70
CA 2A-12A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A	LTB 866	15	132047	1717.5	15QAM	1	36	66511	2117.5	LTB 866	20	67236	2100	LTB 82	20	900	1960	LTB 82	20	900	1960		14.49	14.70
CA 2A-12A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A	LTB 866	15	132047	1717.5	15QAM	1	36	66511	2117.5	LTB 866	20	67236	2100	LTB 82	20	900	1960	LTB 82	20	900	1960		14.49	14.70
CA 2A-12A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A	LTB 866	15	132047	1717.5	15QAM	1	36	66511	2117.5	LTB 866	20	67236	2100	LTB 82	20	900	1960	LTB 82	20	900	1960		14.49	14.70
CA 2A-12A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A-6A	LTB 866	15	132047	1717.5	15QAM	1	36	66511	2117.5	LTB 866	20	67236	2100	LTB 82	20	900	1960	LTB 82	20	90				

Table 20
Output Powers – Ant 2B

Combination	PCC Band	PCC					SCC1				SCC2				SCC3				SCC4				Power				
		PCC BW [MHz]	PCC (UL) Freq. [MHz]	PCC (DL) Freq. [MHz]	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 (dBm)	LTE Single Carrier Tx Power (dBm)	
CA 2A-66A	LTE B86	20	132572	1770	QPSK	1	99	67036	2170	LTE B2	20	900	1960	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B2	20	700	1940	14.21	14.30
CA 7A-66A	LTE B86	20	132572	1770	QPSK	1	99	67036	2170	LTE B7	20	1100	2055	LTE B7	20	1100	2055	LTE B7	20	1100	2055	LTE B7	20	1100	2055	14.21	14.30
CA 12A-66A	LTE B86	20	132572	1770	QPSK	1	99	67036	2170	LTE B12	20	1009	737.5	LTE B12	20	1009	737.5	LTE B12	20	1009	737.5	LTE B12	20	1009	737.5	14.21	14.30
CA 12A-66A-6B	LTE B86	20	132572	1770	QPSK	1	99	67036	2170	LTE B12	20	1009	737.5	LTE B12	20	1009	737.5	LTE B12	20	1009	737.5	LTE B12	20	1009	737.5	14.21	14.30
CA 2A-66A	LTE B86	20	132572	1770	QPSK	1	99	67036	2170	LTE B2	20	900	1960	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B2	20	700	1940	14.21	14.30
CA 2A-66A-66A	LTE B86	20	132572	1770	QPSK	1	99	67036	2170	LTE B2	20	900	1960	LTE B46	20	50665	537.5	LTE B46	20	50665	537.5	LTE B46	20	50665	537.5	14.21	14.30
CA 2A-66A-66A	LTE B86	20	132572	1770	QPSK	1	99	67036	2170	LTE B2	20	900	1960	LTE B46	20	50665	537.5	LTE B46	20	50665	537.5	LTE B46	20	50665	537.5	14.21	14.30
CA 28A-66A	LTE B86	20	132572	1770	QPSK	1	99	67036	2170	LTE B86	20	66536	2120	LTE B86	20	66536	2120	LTE B86	20	66536	2120	LTE B86	20	66536	2120	14.21	14.30
CA 28A-66A-66A	LTE B86	20	132572	1770	QPSK	1	99	67036	2170	LTE B86	20	66536	2120	LTE B86	20	66536	2120	LTE B86	20	66536	2120	LTE B86	20	66536	2120	14.21	14.30
CA 66A-66A-66A	LTE B86	20	132572	1770	QPSK	1	99	67036	2170	LTE B86	20	66536	2120	LTE B86	20	66536	2120	LTE B86	20	66536	2120	LTE B86	20	66536	2120	14.21	14.30
CA 66A-66A-71A	LTE B86	20	132572	1770	QPSK	1	99	67036	2170	LTE B86	20	66536	2120	LTE B86	20	66536	2120	LTE B86	20	66536	2120	LTE B86	20	66536	2120	14.21	14.30
CA 66A-71A	LTE B86	20	132572	1770	QPSK	1	99	67036	2170	LTE B86	20	66536	2120	LTE B86	20	66536	2120	LTE B86	20	66536	2120	LTE B86	20	66536	2120	14.21	14.30
CA 7A-2A-66A-66A	LTE B86	20	132572	1770	QPSK	1	99	67036	2170	LTE B86	20	66536	2120	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B2	20	700	1940	14.21	14.30
CA 2A-5A-66A	LTE B86	20	132572	1770	QPSK	1	99	67036	2170	LTE B2	20	900	1960	LTE B5	20	2525	881.5	LTE B5	20	2525	881.5	LTE B5	20	2525	881.5	14.21	14.30
CA 2A-5A-66A-66A	LTE B86	20	132572	1770	QPSK	1	99	67036	2170	LTE B86	20	66536	2120	LTE B2	20	900	1960	LTE B5	20	2525	881.5	LTE B5	20	2525	881.5	14.21	14.30
CA 2A-12A-66A	LTE B86	20	132572	1770	QPSK	1	99	67036	2170	LTE B86	20	66536	2120	LTE B2	20	900	1960	LTE B12	20	1009	737.5	LTE B12	20	1009	737.5	14.21	14.30
CA 2A-12A-66A-66A	LTE B86	20	132572	1770	QPSK	1	99	67036	2170	LTE B86	20	66536	2120	LTE B86	20	66536	2120	LTE B12	20	1009	737.5	LTE B12	20	1009	737.5	14.21	14.30
CA 2A-13A-66A	LTE B86	20	132572	1770	QPSK	1	99	67036	2170	LTE B86	20	66536	2120	LTE B2	20	900	1960	LTE B13	20	1230	751	LTE B13	20	1230	751	14.27	14.34
CA 2A-13A-66A-66A	LTE B86	20	132572	1770	QPSK	1	99	67036	2170	LTE B86	20	66536	2120	LTE B2	20	900	1960	LTE B13	20	1230	751	LTE B13	20	1230	751	14.27	14.34
CA 2A-13A-66A	LTE B86	20	132572	1770	QPSK	1	99	67036	2170	LTE B86	20	66536	2120	LTE B2	20	900	1960	LTE B13	20	1230	751	LTE B13	20	1230	751	14.27	14.34
CA 2A-13A-66A	LTE B86	20	132572	1770	QPSK	1	99	67036	2170	LTE B86	20	66536	2120	LTE B2	20	900	1960	LTE B13	20	1230	751	LTE B13	20	1230	751	14.27	14.34
CA 2A-13A-66A	LTE B86	20	132572	1770	QPSK	1	99	67036	2170	LTE B86	20	66536	2120	LTE B2	20	900	1960	LTE B13	20	1230	751	LTE B13	20	1230	751	14.27	14.34
CA 2A-13A-66A	LTE B86	20	132572	1770	QPSK	1	99	67036	2170	LTE B86	20	66536	2120	LTE B2	20	900	1960	LTE B13	20	1230	751	LTE B13	20	1230	751	14.27	14.34
CA 2A-14A-66A	LTE B86	20	132572	1770	QPSK	1	99	67036	2170	LTE B86	20	66536	2120	LTE B2	20	900	1960	LTE B14	20	1330	761	LTE B14	20	1330	761	14.22	14.30
CA 2A-5A-66A-66A	LTE B86	20	132572	1770	QPSK	1	99	67036	2170	LTE B86	20	66536	2120	LTE B5	20	2525	881.5	LTE B5	20	2525	881.5	LTE B5	20	2525	881.5	14.21	14.30
CA 2A-5A-30A-66A	LTE B86	20	132572	1770	QPSK	1	99	67036	2170	LTE B2	20	900	1960	LTE B5	20	2525	881.5	LTE B5	20	2525	881.5	LTE B5	20	2525	881.5	14.21	14.30
CA 2A-5A-30A-66A	LTE B86	20	132572	1770	QPSK	1	99	67036	2170	LTE B2	20	900	1960	LTE B5	20	2525	881.5	LTE B5	20	2525	881.5	LTE B5	20	2525	881.5	14.21	14.30
CA 2A-5A-30A-66A	LTE B86	20	132572	1770	QPSK	1	99	67036	2170	LTE B2	20	900	1960	LTE B5	20	2525	881.5	LTE B5	20	2525	881.5	LTE B5	20	2525	881.5	14.21	14.30
CA 2A-5A-30A-66A	LTE B86	20	132572	1770	QPSK	1	99	67036	2170	LTE B2	20	900	1960	LTE B5	20	2525	881.5	LTE B5	20	2525	881.5	LTE B5	20	2525	881.5	14.21	14.30
CA 2A-5A-30A-66A	LTE B86	20	132572	1770	QPSK	1	99	67036	2170	LTE B2	20	900	1960	LTE B5	20	2525	881.5	LTE B5	20	2525	881.5	LTE B5	20	2525	881.5	14.21	14.30
CA 2A-5A-30A-66A	LTE B86	20	132572	1770	QPSK	1	99	67036	2170	LTE B2	20	900	1960	LTE B5	20	2525	881.5	LTE B5	20	2525	881.5	LTE B5	20	2525	881.5	14.21	14.30
CA 2A-5A-30A-66A	LTE B86	20	132572	1770	QPSK	1	99	67036	2170	LTE B2	20	900	1960	LTE B5	20	2525	881.5	LTE B5	20	2525	881.5	LTE B5	20	2525	881.5	14.21	14.30
CA 2A-5A-30A-66A	LTE B86	20	132572	1770	QPSK	1	99	67036	2170	LTE B2	20	900	1960	LTE B5	20	2525	881.5	LTE B5	20	2525	881.5	LTE B5	20	2525	881.5	14.21	14.30
CA 2A-5A-30A-66A	LTE B86	20	132572	1770	QPSK	1	99	67036	2170	LTE B2	20	900	1960	LTE B5	20	2525	881.5	LTE B5	20	2525	881.5	LTE B5	20	2525	881.5	14.21	14.30
CA 2A-5A-30A-66A	LTE B86	20	132572	1770	QPSK	1	99	67036	2170	LTE B2	20	900	1960	LTE B5	20	2525	881.5	LTE B5	20	2525	881.5	LTE B5	20	2525	881.5	14.21	14.30
CA 2A-5A-30A-66A	LTE B86	20	132572	1770	QPSK	1	99	67036	2170	LTE B2	20	900	1960	LTE B5	20	2525	881.5	LTE B5	20	2525	881.5	LTE B5	20	2525	881.5	14.21	14.30
CA 2A-5A-30A-66A	LTE B86	20	132572	1770	QPSK	1	99	67036	2170	LTE B2	20	900	1960	LTE B5	20	2525	881.5	LTE B5	20	2525	881.5	LTE B5	20	2525	881.5	14.21	14.30
CA 2A-5A-30A-66A	LTE B86	20	132572	1770	QPSK	1	99	67036	2170	LTE B2	20	900	1960	LTE B5	20	2525	881.5	LTE B5	20	2525	881.5	LTE B5	20	2525	881.5	14.21	14.30
CA 2A-5A-30A-66A	LTE B86	20	132572	1770	QPSK	1	99	67036	2170	LTE B2	20	900	1960	LTE B5	20	2525	881.5	LTE B5	20	2525	881.5	LTE B5	20	2525	881.5	14.21	14.30
CA 2A-5A-30A-66A	LTE B86	20	132572	1770	QPSK	1	99	67036	2170	LTE B2	20	900	1960	LTE B5	20	2525	881.5	LTE B5	20	2525	881.5	LTE B5	20	2525	881.5	14.21	14.30
CA 2A-5A-30A-66A	LTE B86	20	132572	1770	QPSK	1	99	67036	2170	LTE B2	20	900	1960	LTE B5	20	2525	881.5	LTE B5	20	2525	881.5	LTE B5	20	2525	881.5	14.21	14.30
CA 2A-5A-30A-66A	LTE B86	20	132572	1770	QPSK	1	99	67036	2170	LTE B2	20	900	1960	LTE B5	20	2525	881.5	LTE B5	20	2525	881.5	LTE B5	20	2525	881.5	14.21	14.30
CA 2A-5A-30A-66A	LTE B86	20	132572	1770	QPSK	1	99	67036	2170	LTE B2	20	900	1960	LTE B5	20	2525	881.5	LTE B5	20	2525	881.5	LTE B5	20	2525	881.5	14.21	14.30
CA 2A-5A-30A-66A	LTE B86	20	132572	1770	QPSK	1	99	67036	2170	LTE B2	20	900	1960	LTE B5	20	2525	881.5	LTE B5	20	2525	881.5	LTE B5	20	2525	881.5	14.21	14.30
CA 2A-5A-30A-66A	LTE B86	20	132572	1770	QPSK	1	99	67036	2170	LTE B2	20	900	1960	LTE B5	20	2525	881.5	LTE B5	20	2525	881.5	LTE B5	20	2525	881.5	14.21	14.30
CA 2A-5A-30A-66A	LTE B86	20	132572	1770	QPSK	1	99	67036	2170	LTE B2	20	900	1960	LTE B5	20	2525	881.5	LTE B5	20	2525	881.5	LTE B5	20	2525	881.5	14.21	14.30
CA 2A-5A-30A-66A	LTE B86	20	132572	1770	QPSK	1	99	67036	2170	LTE B2	20	900	1960	LTE B5	20	2525	881.5	LTE B5	20	2525	881.5	LTE B5	20	2525	881.5	14.21	14.30
CA 2A-5A-30A-66A	LTE B86	20	132572	1770	QPSK	1	99	67036	2170	LTE B2																	

FCC ID: BCGA2013

Test Dates:

08/08/18 - 09/03/18

DUT Type:

Tablet Device

SAR EVALUATION REPORT

Reviewed by:

Quality Manager

APPENDIX H

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REV 20.05 M

Output Powers – Ant 4A

[illegible]

Output Powers – Ant 4B

Combination	PCB Band	PCC										SEC1		SEC2		SEC3		SEC4		Power				
		PCC BW [MHz]	PCC (U) Freq. [MHz]	PCC (L) Freq. [MHz]	Mod.	PCC UL RB	PCC UL RB Offset	PCC (D) Channel	PCC (D) Freq. [MHz]	SCB Band	SCB BW [MHz]	SCC (D) Channel	SCC (D) Freq. [MHz]	SCB Band	SCB BW [MHz]	SCC (D) Channel	SCC (D) Freq. [MHz]	SCB Band	SCB BW [MHz]	SCC (D) Channel	SCC (D) Freq. [MHz]	LTE Tx Power with DC CA Power [dBm]	LTE Single Carrier Power [dBm]	
CA 2A-66A	17E 866	10	132022	1715	QAM64	1	0	66486	2115	17E 82	20	900	1960	17E 82	20	700	1960	17E 82	20	700	1960	17E 82	14.30	14.37
CA 2A-76A	17E 866	10	132022	1715	QAM64	1	0	66486	2115	17E 87	20	900	1965	17E 87	20	700	1965	17E 87	20	700	1965	17E 87	14.40	14.47
CA 12A-66A	17E 866	10	132022	1715	QAM64	1	0	66486	2115	17E 812	10	5095	777.5	17E 812	10	5095	777.5	17E 812	10	5095	777.5	17E 812	14.30	14.37
CA 12A-10	17E 866	10	132022	1715	QAM64	1	0	66486	2115	17E 812	10	5095	777.5	17E 812	10	5095	777.5	17E 812	10	5095	777.5	17E 812	14.40	14.49
CA 2A-66A	17E 866	10	132022	1715	QAM64	1	0	66486	2115	17E 82	20	900	1960	17E 82	20	700	1960	17E 82	20	700	1960	17E 82	14.30	14.37
CA 2A-6A	17E 866	10	132022	1715	QAM64	1	0	66486	2115	17E 82	20	900	1960	17E 82	20	700	1960	17E 82	20	700	1960	17E 82	14.40	14.47
CA 2A-6A-66A	17E 866	10	132022	1715	QAM64	1	0	66486	2115	17E 82	20	900	1960	17E 82	20	700	1960	17E 82	20	700	1960	17E 82	14.40	14.47
CA 2A-6A-71A	17E 866	10	132022	1715	QAM64	1	0	66486	2115	17E 82	20	900	1960	17E 82	20	700	1960	17E 82	20	700	1960	17E 82	14.40	14.47
CA 13A-66A	17E 866	10	132022	1715	QAM64	1	0	66486	2115	17E 811	10	5210	50665	17E 811	10	5175	50665	17E 811	10	5175	50665	17E 811	14.30	14.37
CA 29A-66A	17E 866	10	132022	1715	QAM64	1	0	66486	2115	17E 806	20	67326	2190	17E 829	10	9715	722.5	17E 829	10	9715	722.5	17E 829	14.38	14.47
CA 46A-66A	17E 866	10	132022	1715	QAM64	1	0	66486	2115	17E 846	20	50665	5537.5	17E 846	20	47900	5180	17E 846	20	47900	5180	17E 846	14.42	14.47
CA 86A-66A	17E 866	10	132022	1715	QAM64	1	0	66486	2115	17E 866	20	67326	2190	17E 866	20	50665	5537.5	17E 866	20	50665	5537.5	17E 866	14.40	14.49
CA 66A-66A-71A	17E 866	10	132022	1715	QAM64	1	0	66486	2115	17E 806	20	67326	2190	17E 871	10	67326	654.5	17E 871	10	67326	654.5	17E 871	14.39	14.47
CA 2A-66A-66A	17E 866	10	132022	1715	QAM64	1	0	66486	2115	17E 806	20	66830	2129.4	17E 806	20	66786	654.5	17E 806	20	66786	654.5	17E 806	14.40	14.49
CA 2A-66A-66A	17E 866	10	132022	1715	QAM64	1	0	66486	2115	17E 806	20	67326	2190	17E 82	20	900	1960	17E 82	20	900	1960	17E 82	14.40	14.49
CA 2A-2A-5A-66A	17E 866	10	132022	1715	QAM64	1	0	66486	2115	17E 82	20	900	1960	17E 82	20	700	1960	17E 82	20	700	1960	17E 82	14.30	14.37
CA 2A-5A-66A-66A	17E 866	10	132022	1715	QAM64	1	0	66486	2115	17E 866	20	67326	2190	17E 812	10	5095	777.5	17E 812	10	5095	777.5	17E 812	14.42	14.47
CA 2A-12A-66A-66A	17E 866	10	132022	1715	QAM64	1	0	66486	2115	17E 806	20	66830	2129.4	17E 806	20	66786	654.5	17E 806	20	66786	654.5	17E 806	14.40	14.49
CA 2A-13A-66A-66A	17E 866	10	132022	1715	QAM64	1	0	66486	2115	17E 806	20	67326	2190	17E 82	20	900	1960	17E 82	20	900	1960	17E 82	14.40	14.47
CA 2A-13A-66A-66A	17E 866	10	132022	1715	QAM64	1	0	66486	2115	17E 806	20	66830	2129.4	17E 806	20	66786	654.5	17E 806	20	66786	654.5	17E 806	14.40	14.47
CA 2A-13A-66A-66A	17E 866	10	132022	1715	QAM64	1	0	66486	2115	17E 806	20	67326	2190	17E 82	20	900	1960	17E 82	20	900	1960	17E 82	14.40	14.47
CA 2A-13A-66A-66A	17E 866	10	132022	1715	QAM64	1	0	66486	2115	17E 806	20	66830	2129.4	17E 806	20	66786	654.5	17E 806	20	66786	654.5	17E 806	14.40	14.47
CA 2A-13A-66A-66A	17E 866	10	132022	1715	QAM64	1	0	66486	2115	17E 806	20	67326	2190	17E 82	20	900	1960	17E 82	20	900	1960	17E 82	14.40	14.47
CA 2A-13A-66A-66A	17E 866	10	132022	1715	QAM64	1	0	66486	2115	17E 806	20	66830	2129.4	17E 806	20	66786	654.5	17E 806	20	66786	654.5	17E 806	14.40	14.47
CA 2A-13A-66A-66A	17E 866	10	132022	1715	QAM64	1	0	66486	2115	17E 806	20	67326	2190	17E 82	20	900	1960	17E 82	20	900	1960	17E 82	14.40	14.47
CA 2A-13A-66A-66A	17E 866	10	132022	1715	QAM64	1	0	66486	2115	17E 806	20	66830	2129.4	17E 806	20	66786	654.5	17E 806	20	66786	654.5	17E 806	14.40	14.47
CA 2A-13A-66A-66A	17E 866	10	132022	1715	QAM64	1	0	66486	2115	17E 806	20	67326	2190	17E 82	20	900	1960	17E 82	20	900	1960	17E 82	14.40	14.47
CA 2A-13A-66A-66A	17E 866	10	132022	1715	QAM64	1	0	66486	2115	17E 806	20	66830	2129.4	17E 806	20	66786	654.5	17E 806	20	66786	654.5	17E 806	14.40	14.47
CA 2A-13A-66A-66A	17E 866	10	132022	1715	QAM64	1	0	66486	2115	17E 806	20	67326	2190	17E 82	20	900	1960	17E 82	20	900	1960	17E 82	14.40	14.47
CA 2A-13A-66A-66A	17E 866	10	132022	1715	QAM64	1	0	66486	2115	17E 806	20	66830	2129.4	17E 806	20	66786	654.5	17E 806	20	66786	654.5	17E 806	14.40	14.47
CA 2A-13A-66A-66A	17E 866	10	132022	1715	QAM64	1	0	66486	2115	17E 806	20	67326	2190	17E 82	20	900	1960	17E 82	20	900	1960	17E 82	14.40	14.47
CA 2A-13A-66A-66A	17E 866	10	132022	1715	QAM64	1	0	66486	2115	17E 806	20	66830	2129.4	17E 806	20	66786	654.5	17E 806	20	66786	654.5	17E 806	14.40	14.47
CA 2A-13A-66A-66A	17E 866	10	132022	1715	QAM64	1	0	66486	2115	17E 806	20	67326	2190	17E 82	20	900	1960	17E 82	20	900	1960	17E 82	14.40	14.47
CA 2A-13A-66A-66A	17E 866	10	132022	1715	QAM64	1	0	66486	2115	17E 806	20	66830	2129.4	17E 806	20	66786	654.5	17E 806	20	66786	654.5	17E 806	14.40	14.47
CA 2A-13A-66A-66A	17E 866	10	132022	1715	QAM64	1	0	66486	2115	17E 806	20	67326	2190	17E 82	20	900	1960	17E 82	20	900	1960	17E 82	14.40	14.47
CA 2A-13A-66A-66A	17E 866	10	132022	1715	QAM64	1	0	66486	2115	17E 806	20	66830	2129.4	17E 806	20	66786	654.5	17E 806	20	66786	654.5	17E 806	14.40	14.47
CA 2A-13A-66A-66A	17E 866	10	132022	1715	QAM64	1	0	66486	2115	17E 806	20	67326	2190	17E 82	20	900	1960	17E 82	20	900	1960	17E 82	14.40	14.47
CA 2A-13A-66A-66A	17E 866	10	132022	1715	QAM64	1	0	66486	2115	17E 806	20	66830	2129.4	17E 806	20	66786	654.5	17E 806	20	66786	654.5	17E 806	14.40	14.47
CA 2A-13A-66A-66A	17E 866	10	132022	1715	QAM64	1	0	66486	2115	17E 806	20	67326	2190	17E 82	20	900	1960	17E 82	20	900	1960	17E 82	14.40	14.47
CA 2A-13A-66A-66A	17E 866	10	132022	1715	QAM64	1	0	66486	2115	17E 806	20	66830	2129.4	17E 806	20	66786	654.5	17E 806	20	66786	654.5	17E 806	14.40	14.47
CA 2A-13A-66A-66A	17E 866	10	132022	1715	QAM64	1	0	66486	2115	17E 806	20	67326	2190	17E 82	20	900	1960	17E 82	20	900	1960	17E 82	14.40	14.47
CA 2A-13A-66A-66A	17E 866	10	132022	1715	QAM64	1	0	66486	2115	17E 806	20	66830	2129.4	17E 806	20	66786	654.5	17E 806	20	66786	654.5	17E 806	14.40	14.47
CA 2A-13A-66A-66A	17E 866	10	132022	1715	QAM64	1	0	66486	2115	17E 806	20	67326	2190	17E 82	20	900	1960	17E 82	20	900	1960	17E 82	14.40	14.47
CA 2A-13A-66A-66A	17E 866	10	132022	1715	QAM64	1	0	66486	2115	17E 806	20	66830	2129.4	17E 806	20	66786	654.5	17E 806	20	66786	654.5	17E 806	14.40	14.47
CA 2A-13A-66A-66A	17E 866	10	132022	1715	QAM64	1	0	66486	2115	17E 806	20	67326	2190	17E 82	20	900	1960	17E 82	20	900	1960	17E 82	14.40	14.47
CA 2A-13A-66A-66A	17E 866	10	132022	1715	QAM64	1	0	66486	2115	17E 806	20	66830	2129.4	17E 806	20	66786	654.5	17E 806	20	66786	654.5	17E 806	14.40	14.47
CA 2A-13A-66A-66A	17E 866	10	132022	1715	QAM64	1	0	66486	2115	17E 806	20	67326	2190	17E 82	20	900	1960	17E 82	20	900	1960	17E 82	14.40	14.47
CA 2A-13A-66A-66A	17E 866	10	132022	1715	QAM64	1	0	66486	2115	17E 806	20	66830	2129.4	17E 806	20	66786	654.5	17E 806	20	66786	654.5	17E 806	14.40	14.47
CA 2A-13A-66A-66A	17E 866	10	132022	1715	QAM64	1	0	66486	2115	17E 806	20	67326	2190	17E 82	20	900	1960	17E 82	20	900	1960	17E 82	14.40	14.47
CA 2A-13A-																								

FCC ID: BCGA2013

Test Dates:

08/08/18 - 09/03/18



PCTEST
ENGINEERING LABORATORY, INC.

DUT Type:

Tablet Device

SAR EVALUATION REPORT

Reviewed by:

Quality Manager

APPENDIX H:

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REV 20.05 M

11/15/2017

Table 23
Output Powers – Ant 2A

Power																			
Combination	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 1		SCC 2		SCC 3		SCC 4		LTE Tx Power 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]		
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.84	20	2375	2312.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1802	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.812	20	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q											

Table 24
Output Powers – Ant 2B

Combination	PCB Band	PCB BW [MHz]	PCF [Hz]	PCF Ch.	PCF		SCS 1		SCS 2		SCS 3		SCS 4		LTE Tx Power [dBm]	LTE Single Carrier Tx Power [dBm]
					PCF (Hz) Freq. [MHz]	Mod.	SCS (Hz) Freq. [MHz]	SCS (Hz) Freq. [MHz]	SCS (Hz) Freq. [MHz]	SCS (Hz) Freq. [MHz]	SCS (Hz) Freq. [MHz]	SCS (Hz) Freq. [MHz]				
CA_2A-4A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B4	20	2175	2182.5	1802.5	18.70	18.70
CA_2A-12A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-12A-12A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-25A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-25A-25A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-12A-12A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-25A-25A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-12A-12A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-25A-25A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-12A-12A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-25A-25A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-12A-12A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-25A-25A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-12A-12A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-25A-25A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-12A-12A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-25A-25A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-12A-12A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-25A-25A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-12A-12A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-25A-25A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-12A-12A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-25A-25A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-12A-12A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-25A-25A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-12A-12A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-25A-25A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-12A-12A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-25A-25A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-12A-12A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-25A-25A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-12A-12A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-25A-25A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-12A-12A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-25A-25A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-12A-12A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-25A-25A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-12A-12A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-25A-25A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-12A-12A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-25A-25A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-12A-12A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-25A-25A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-12A-12A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-25A-25A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-12A-12A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-25A-25A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-12A-12A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-25A-25A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-12A-12A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-25A-25A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-12A-12A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-25A-25A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-12A-12A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-25A-25A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-12A-12A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-25A-25A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-12A-12A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-25A-25A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-12A-12A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-25A-25A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-12A-12A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-25A-25A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-12A-12A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-25A-25A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-12A-12A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-25A-25A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-12A-12A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-25A-25A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-12A-12A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-25A-25A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-12A-12A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-25A-25A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70
CA_2A-12A-12A	LTE B2	20	1802.5	1802.5	QPSK	1	99	925	1802.5	LTE B12	10	5095	737.5	1802.5	13.70	13.70

FCC ID: BCGA2013



SAR EVALUATION REPORT

Reviewed by:

Quality Manager

Test Dates:

DUT Type:

Tablet Device

APPENDIX H:

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Table 25
Output Powers – Ant 4A

Combination	PCC Band	PCC BW [MHz]	PCC (U) Ch.	PCC (U) Freq. [MHz]	Mod.	PCC UL RB	PCC UL RB Offset	PCC (D) Channel	PCC (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]	SCC Band	SCC BW [MHz]	SCC (D) Channel	SCC (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 0 CA Enabled [dBm]	LTE Single Carrier Tx Power [dBm]	
CA 2A-4A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.20	15.20	
CA 2A-12A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B2	20	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.20	15.20	
CA 2A-17A	LTE B2	20	18700	1860	QPSK	1	0	1150	1885	LTE B17	20	5790	740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.15	15.20		
CA 2A-29A	LTE B2	20	18700	1860	QPSK	1	0	2150	1985	LTE B29	20	9715	722.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.20	15.20		
CA 2A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.20	15.20		
CA 2C-5A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B2	20	898	1959.8	LTE B5	10	2525	881.5	-	-	-	-	-	-	-	-	-	-	-	-	15.20	15.20	
CA 2C-12A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B2	20	898	1959.8	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	15.13	15.20	
CA 2C-29A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B2	20	898	1959.8	LTE B29	10	9715	722.5	-	-	-	-	-	-	-	-	-	-	-	-	15.20	15.20	
CA 2C-30A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B2	20	898	1959.8	LTE B30	10	9820	2355	-	-	-	-	-	-	-	-	-	-	-	-	15.20	15.20	
CA 2A-2A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B2	20	1100	1980	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	-	-	-	-	15.30	15.20	
CA 2A-4A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B46	20	50665	5537.5	LTE B46	20	47000	5180	-	-	-	-	-	-	-	-	-	-	-	-	15.20	15.20	
CA 2C-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B2	20	898	1959.8	LTE B66	10	66786	2145	-	-	-	-	-	-	-	-	-	-	-	-	15.30	15.20	
CA 2A-2A-71A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B2	20	1100	1980	LTE B71	20	68761	634.5	-	-	-	-	-	-	-	-	-	-	-	-	15.20	15.20	
CA 2A-4A-13A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B4	20	2175	2132.5	LTE B13	10	5047	737.5	-	-	-	-	-	-	-	-	-	-	-	-	15.20	15.20	
CA 2A-4A-71A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B4	20	2175	2132.5	LTE B71	20	68761	634.5	-	-	-	-	-	-	-	-	-	-	-	-	15.20	15.20	
CA 2A-13A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B13	10	5230	751	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	-	-	-	-	15.20	15.20	
CA 2A-4A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B46	20	50665	5537.5	LTE B46	20	66786	2145	-	-	-	-	-	-	-	-	-	-	-	-	15.20	15.20	
CA 2A-66A-71A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B66	20	66786	2145	LTE B71	20	68761	634.5	-	-	-	-	-	-	-	-	-	-	-	-	15.20	15.20	
CA 2A-2A-4A-4A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B2	20	1100	1980	LTE B4	20	2175	2132.5	LTE B4	10	2520	881.5	-	-	-	-	-	-	-	-	-	15.20	15.20
CA 2A-2A-12A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B2	20	1100	1980	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	15.20	15.20	
CA 2A-2A-46C	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B46	20	50665	5537.5	LTE B46	20	50665	5537.5	LTE B46	20	50467	5537.7	-	-	-	-	-	-	-	-	15.20	15.20	
CA 2A-2A-66A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B46	20	50665	5537.5	LTE B46	20	66786	2145	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	15.20	15.20	
CA 2A-2A-4A-5A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B2	20	1100	1980	LTE B4	20	2175	2132.5	LTE B5	10	2525	881.5	-	-	-	-	-	-	-	-	-	15.20	15.20
CA 2A-4A-5B	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B4	20	2175	2132.5	LTE B4	20	2350	2150	LTE B5	10	2525	881.5	-	-	-	-	-	-	-	-	15.21	15.20	
CA 2A-4A-11A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B2	20	1100	1980	LTE B11	10	5095	737.5	LTE B5	10	2525	881.5	-	-	-	-	-	-	-	-	15.20	15.20	
CA 2A-4A-4A-12A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B2	20	1100	1980	LTE B4	20	2175	2132.5	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	15.20	15.20	
CA 2A-4A-12A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B4	20	2175	2132.5	LTE B12	10	5095	737.5	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	15.20	15.20	
CA 2A-2A-5A-30A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B2	20	1100	1980	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	-	-	-	-	-	-	-	-	15.30	15.20	
CA 2A-2A-5A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B2	20	1100	1980	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	15.26	15.20	
CA 2A-2A-6A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B2	20	1100	1980	LTE B6	10	66786	2145	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	15.26	15.20	
CA 2A-2A-12A-30A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B2	20	1100	1980	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	-	-	-	-	-	-	-	-	15.22	15.20	
CA 2A-2A-12A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B2	20	1100	1980	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	15.26	15.20	
CA 2A-12A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	15.26	15.20	
CA 2A-12A-66A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	15.26	15.20	
CA 2A-12A-66A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	15.26	15.20	
CA 2A-12A-66A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	15.26	15.20	
CA 2A-12A-66A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	15.26	15.20	
CA 2A-12A-66A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	15.26	15.20	
CA 2A-12A-66A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	15.26	15.20	
CA 2A-12A-66A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	15.26	15.20	
CA 2A-12A-66A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	15.26	15.20	
CA 2A-12A-66A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	15.26	15.20	
CA 2A-12A-66A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	15.26	15.20	
CA 2A-12A-66A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	15.26	15.20	
CA 2A-12A-66A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	15.26	15.20	
CA 2A-12A-66A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	15.26	15.20	
CA 2A-12A-66A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	15.26	15.20	
CA 2A-12A-66A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	LTE B66	20	66786												

1.3.11 LTE Band 25 as PCC

Table 27
Output Powers – Ant 2A

Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC					PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC 1			SCC 2			Power		
				Mod.	PCC UL#	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]	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	-	-	-	14.00	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	13.96	14.00

Table 28
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	20	26365	1882.5	QPSK	1	99	8365	1962.5	LTE B5	10	2525	881.5	-	-	-	-	13.67	13.70
CA_25A-26A	LTE B25	20	26365	1882.5	QPSK	1	99	8365	1962.5	LTE B26	10	8865	876.5	-	-	-	-	13.69	13.70
CA_25A-25A-26A	LTE B25	20	26365	1882.5	QPSK	1	99	8365	1962.5	LTE B25	20	8140	1940	LTE B26	5	8865	876.5	13.62	13.70

Table 29
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	QPSK	1	0	8140	1940	LTE B5	10	2525	881.5	-	-	-	-	15.26	15.28
CA_25A-26A	LTE B25	20	26140	1860	QPSK	1	0	8140	1940	LTE B26	10	8865	876.5	-	-	-	-	15.13	15.28
CA_25A-25A-26A	LTE B25	20	26140	1860	QPSK	1	0	8140	1940	LTE B25	20	8590	1985	LTE B26	5	8865	876.5	15.30	15.28

Table 30
Output Powers – Ant 4B

	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	15	26365	1882.5	QPSK	1	74	8365	1962.5	LTE B5	10	2525	881.5	-	-	-	-	14.13	14.19
CA_25A-26A	LTE B25	15	26365	1882.5	QPSK	1	74	8365	1962.5	LTE B26	10	8865	876.5	-	-	-	-	14.11	14.19
CA_25A-25A-26A	LTE B25	15	26365	1882.5	QPSK	1	74	8365	1962.5	LTE B25	20	8140	1940	LTE B26	5	8865	876.5	14.20	14.19

1.3.12 LTE Band 30 as PCC

Table 31
Output Powers – Ant 2A

Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC				PCC (DL) Freq. [MHz]	SCC 1				SCC 2				SCC 3				Power						
				Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel		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_3C_30A	LTE B30	5	27710				1	24	9820	2355	LTE B2	20	900	1960	LTE B2	20	703	1940			31.56	12.60					
CA_2A-2A-30A	LTE B30	5	27710	2310	16QAM	1	24	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B15	10	5025	881.5	12.55	12.60				
CA_2A-2A-12A-30A	LTE B30	5	27710	2310	16QAM	1	24	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B12	10	7595	727.5	12.45	12.60				
CA_2A-2A-25A-30A	LTE B30	5	27710	2310	16QAM	1	24	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B29	10	9715	722.5	12.59	12.60				
CA_2A-2A-30A-66A	LTE B30	5	27710	2310	16QAM	1	24	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	12.80	12.86				
CA_2A-4A-30A	LTE B30	5	27710	2310	16QAM	1	24	9820	2355	LTE B2	20	900	1960	LTE B4	20	2175	2122.5	LTE B5	10	2525	881.5	12.59	12.60				
CA_2A-4A-12A-30A	LTE B30	5	27710	2310	16QAM	1	24	9820	2355	LTE B2	20	900	1960	LTE B4	20	2175	2122.5	LTE B12	10	5095	737.5	12.54	12.60				
CA_2A-4A-25A-30A	LTE B30	5	27710	2310	16QAM	1	24	9820	2355	LTE B2	20	900	1960	LTE B4	20	2175	2122.5	LTE B29	10	9715	722.5	12.60	12.60				
CA_2A-5A-30A-66A	LTE B30	5	27710	2310	16QAM	1	24	9820	2355	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	12.80	12.86				
CA_2A-2A-30A-66A	LTE B30	5	27710	2310	16QAM	1	24	9820	2355	LTE B2	20	900	1960	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	12.60	12.60				
CA_2A-25A-30A-66A	LTE B30	5	27710	2310	16QAM	1	24	9820	2355	LTE B2	20	900	1960	LTE B29	10	9715	722.5	LTE B66	20	66786	2145	12.60	12.60				
CA_4A-4A-12A-30A	LTE B30	5	27710	2310	16QAM	1	24	9820	2355	LTE B4	20	2175	2122.5	LTE B4	20	2175	2122.5	LTE B5	10	2525	881.5	12.60	12.60				
CA_4A-4A-25A-30A	LTE B30	5	27710	2310	16QAM	1	24	9820	2355	LTE B4	20	2175	2122.5	LTE B4	20	2175	2122.5	LTE B12	10	5095	737.5	12.60	12.60				
CA_5A-30A-66A-66A	LTE B30	5	27710	2310	16QAM	1	24	9820	2355	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	12.80	12.86				
CA_12A-30A-66A-66A	LTE B30	5	27710	2310	16QAM	1	24	9820	2355	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	12.51	12.60				
CA_14A-30A-66A-66A	LTE B30	5	27710	2310	16QAM	1	24	9820	2355	LTE B14	10	5330	763	LTE B66	20	66786	2145	LTE B66	20	67236	2190	12.60	12.60				
CA_3A-5B-30A-66A	LTE B30	5	27710	2310	16QAM	1	24	9820	2355	LTE B3	20	900	1960	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B66	20	66786	2145	12.33	12.60
CA_5B-30A-66A-66A	LTE B30	5	27710	2310	16QAM	1	24	9820	2355	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B66	20	66786	2145	LTE B66	20	67236	2190	12.31	12.60

Table 32
Output Powers – Ant 2B

Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch	PCC				PCC (DL) Freq [MHz]	SCC 1				SCC 2				SCC 3				Power			
				PCC (UL) RB	PCC UL RB Offset	PCC (DL) Channel	SCC Band		SCC BW [MHz]	SCC (DL) Freq [MHz]	SCC Band	SCC BW [MHz]	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 2C-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B2	20	703	1940.2	-	-	-	-	12.56	12.56	
CA 2A-2A-3A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B2	20	703	1940	LTE B15	10	7525	881.5	-	12.50	12.56
CA 2A-2A-12A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B2	20	703	1940	LTE B12	10	5095	737.5	-	12.70	12.56
CA 2A-2A-25A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B2	20	703	1940	LTE B29	10	9715	722.5	-	12.79	12.56
CA 2A-2A-30A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B2	20	703	1940	LTE B66	20	66786	2145	-	12.79	12.56
CA 2A-4A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B4	20	2175	2122.5	LTE B5	10	2525	881.5	-	12.50	12.56
CA 2A-4A-12A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B4	20	2175	2122.5	LTE B12	10	5095	737.5	-	12.50	12.56
CA 2A-4A-25A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B4	20	2175	2122.5	LTE B29	10	9715	722.5	-	12.84	12.56
CA 2A-5A-30A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	-	12.84	12.56
CA 2A-12A-30A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	-	12.86	12.56
CA 2A-14A-30A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B14	10	5130	703	LTE B66	20	66786	2145	-	12.88	12.56
CA 2A-25A-30A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B29	10	9715	722.5	LTE B66	20	66786	2145	-	12.50	12.56
CA 2A-4A-5A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B4	20	2175	2122.5	LTE B4	20	2175	2122.5	LTE B66	20	66786	2145	-	12.50	12.56
CA 4A-4A-12A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B4	20	2175	2122.5	LTE B4	20	2175	2122.5	LTE B5	10	5095	737.5	-	12.56	12.56
CA 4A-4A-25A-30A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B4	20	2175	2122.5	LTE B4	20	2175	2122.5	LTE B66	20	66786	2145	-	12.56	12.56
CA 12A-10A-66A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	LTE B66	20	66786	2145	-	12.66	12.56
CA 14A-10A-66A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B14	10	5130	703	LTE B66	20	66786	2145	LTE B66	20	66786	2145	-	12.66	12.56
CA 25A-30A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B29	10	9715	722.5	LTE B66	20	66786	2145	LTE B66	20	66786	2145	-	12.50	12.56
CA 3B-30A-66A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	LTE B66	20	66786	2145	-	12.56	12.56

SCC 1	SCC 2
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Table 34

SCC 1	SCC 2
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1.3.13. **HHI Point-to-Point**

LTE Band 7 as PCC

	SCC 1
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2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	2456	2457	2458	2459	2460	2461	2462	2463	2464	2465	2466	2467	2468	2469	2470	2471	2472	2473	2474	2475	2476	2477	2478	2479	2480	2481	2482	2483	2484	2485	2486	2487	2488	2489	2490	2491	2492	2493	2494	2495	2496	2497	2498	2499	2500	2501	2502	2503	2504	2505	2506	2507	2508	2509	2510	2511	2512	2513	2514	2515	2516	2517	2518	2519	2520	2521	2522	2523	2524	2525	2526	2527	2528	2529	2530	2531	2532	2533	2534	2535	2536	2537	2538	2539	2540	2541	2542	2543	2544	2545	2546	2547	2548	2549	2550	2551	2552	2553	2554	2555	2556	2557	2558	2559	2560	2561	2562	2563	2564	2565	2566	2567	2568	2569	2570	2571	2572	2573	2574	2575	2576	2577	2578	2579	2580	2581	2582	2583	2584	2585	2586	2587	2588	2589	2590	2591	2592	2593	2594	2595	2596	2597	2598	2599	2600	2601	2602	2603	2604	2605	2606	2607	2608	2609	2610	2611	2612	2613	2614	2615	2616	2617	2618	2619	2620	2621	2622	2623	2624	2625	2626	2627	2628	2629	2630	2631	2632	2633	2634	2635	2636	2637	2638	2639	2640	2641	2642	2643	2644	2645	2646	2647	2648	2649	2650	2651	2652	2653	2654	2655	2656	2657	2658	2659	2660	2661	2662	2663	2664	2665	2666	2667	2668	2669	2670	2671	2672	2673	2674	2675	2676	2677	2678	2679	2680	2681	2682	2683	2684	2685	2686	2687	2688	2689	2690	2691	2692	2693	2694	2695	2696	2697	2698	2699	2700	2701	2702	2703	2704	2705	2706	2707	2708	2709	2710	2711	2712	2713	2714	2715	2716	2717	2718	2719	2720	2721	2722	2723	2724	2725	2726	2727	2728	2729	2730	2731	2732	2733	2734	2735	2736	2737	2738	2739	2740	2741	2742	2743	2744	2745	2746	2747	2748	2749	2750	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762	2763	2764	2765	2766	2767	2768	2769	2770	2771	2772	2773	2774	2775	2776	2777	2778	2779	2780	2781	2782	2783	2784	2785	2786	2787	2788	2789	2790	2791	2792	2793	2794	2795	2796	2797	2798	2799	2800	2801	2802	2803	2804	2805	2806	2807	2808	2809	2810	2811	2812	2813	2814	2815	2816	2817	2818	2819	2820	2821	2822	2823	2824	2825	2826	2827	2828	2829	2830	2831	2832	2833	2834	2835	2836	2837	2838	2839	2840	2841	2842	2843	2844	2845	2846	2847	2848	2849	2850	2851	2852	2853	2854	2855	2856	2857	2858	2859	2860	2861	2862	2863	2864	2865	2866	2867	2868	2869	2870	2871	2872	2873	2874	2875	2876	2877	2878	2879	2880	2881	2882	2883	2884	2885	2886	2887	2888	2889	2890	2891	2892	2893	2894	2895	2896	2897	2898	2899	2900	2901	2902	2903	2904	2905	2906	2907	2908	2909	2910	2911	2912	2913	2914	2915	2916	2917	2918	2919	2920	2921	2922	2923	2924	2925	2926	2927	2928	2929	2930	2931	2932	2933	2934	2935	2936	2937	2938	2939	2940	2941	2942	2943	2944	2945	2946	2947	2948	2949	2950	2951	2952	2953	2954	2955	2956	2957	2958	2959	2960	2961	2962	2963	2964	2965	2966	2967	2968	2969	2970	2971	2972	2973	2974	2975	2976	2977	2978	2979	2980	2981	2982	2983	2984	2985	2986	2987	2988	2989	2990	2991	2992	2993	2994	2995	2996	2997	2998	2999	3000	3001	3002	3003	3004	3005	3006	3007	3008	3009	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18 PCTEST Engineering Laboratory, Inc. REV 20.05 M
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Table 38
Output Powers – Ant 4B

Combination	PCC Band	PCC BW [MHz]	PCC				PCC UL RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC 1			SCC 2			SCC 3			Power			
			PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	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	20	21100	2535	QPSK	1	0	3100	2655	LTE B5	10	2525	881.5	-	-	-	-	-	-	12.00	12.00		
CA 7B	LTE B7	15	21100	2535	64QAM	1	0	3100	2655	LTE B7	5	3007	2645.7	-	-	-	-	-	-	12.00	11.97		
CA 7C (1)	LTE B7	20	21100	2535	QPSK	1	0	3100	2655	LTE B7	20	2902	2645.2	-	-	-	-	-	-	11.98	12.00		
CA 7A-66A (1)	LTE B7	20	21100	2535	QPSK	1	0	3100	2655	LTE B46	20	50665	5537.5	-	-	-	-	-	-	12.00	12.00		
CA 7A-66A	LTE B7	20	21100	2535	QPSK	1	0	3100	2655	LTE B66	20	66786	2145	-	-	-	-	-	-	12.00	12.00		
CA 4A-4A-7A (1)	LTE B7	20	21100	2535	QPSK	1	0	3100	2655	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	-	-	12.00	12.00		
CA 4A-7A-7A	LTE B7	20	21100	2535	QPSK	1	0	3100	2655	LTE B7	20	2850	2630	LTE B4	20	2175	2132.5	-	-	12.00	12.00		
CA 4A-7A-12A (1)	LTE B7	20	21100	2535	QPSK	1	0	3100	2655	LTE B4	20	2175	2132.5	LTE B12	10	5095	731.5	-	-	11.99	12.00		
CA 7A-46C (1)	LTE B7	20	21100	2535	QPSK	1	0	3100	2655	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	11.93	12.00		
CA 7A-46D (1)	LTE B7	20	21100	2535	QPSK	1	0	3100	2655	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	12.00	12.00

1.3.14 LTE Band 41 as PCC

Table 39
Output Powers – Ant 2A

Combination	PCC Band	PCC BW [MHz]	PCC				Mod.	PCC UL RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC 1				SCC 2				SCC 3				Power	
			PCC (UL) Ch.	PCC (UL) 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	10	40185	2549.5	QPSK	1	0	40185	2549.5	LTE B41	20	41490	2680	-	-	-	-	-	-	-	-	-	-	14.70	14.76
CA 41A-41C	LTE B41	10	40185	2549.5	QPSK	1	0	40185	2549.5	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	-	-	-	-	14.69	14.76
CA 41C-41A	LTE B41	10	40185	2549.5	QPSK	1	0	40185	2549.5	LTE B41	20	40329	2561.9	LTE B41	20	41490	2680	-	-	-	-	-	-	14.77	14.76
CA 41A-41D	LTE B41	10	40185	2549.5	QPSK	1	0	40185	2549.5	LTE B41	20	41094	2640.4	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	14.80	14.76
CA 41C-41C	LTE B41	10	40185	2549.5	QPSK	1	0	40185	2549.5	LTE B41	20	40329	2561.9	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	14.76	14.76
CA 41E	LTE B41	20	39750	2506	QPSK	1	99	39750	2506	LTE B41	20	39948	2525.8	LTE B41	20	40146	2545.6	LTE B41	20	40344	2565.4	-	-	14.80	14.74
CA 41D-41A	LTE B41	20	40185	2549.5	QPSK	1	0	40185	2549.5	LTE B41	20	40329	2561.9	LTE B41	20	40581	2589.1	LTE B41	20	40779	2608.9	-	-	14.59	14.50
CA 41C-41D	LTE B41	10	40185	2549.5	QPSK	1	0	40185	2549.5	LTE B41	20	40329	2561.9	LTE B41	20	41094	2640.4	LTE B41	20	41292	2660.2	LTE B41	20	14.66	14.76
CA 41D-41C	LTE B41	10	40185	2549.5	QPSK	1	0	40185	2549.5	LTE B41	20	40329	2561.9	LTE B41	20	40527	2583.7	LTE B41	20	41292	2660.2	LTE B41	20	14.64	14.76

Table 40
Output Powers – Ant 2B

Combination	PCC Band	PCC BW [MHz]	PCC				Mod.	PCC UL RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC 1				SCC 2				SCC 3				Power	
			PCC (UL) Ch.	PCC (UL) 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	0	40185	2549.5	LTE B41	20	41490	2680	-	-	-	-	-	-	-	-	-	-	14.35	14.50
CA 41A-41C	LTE B41	20	40185	2549.5	QPSK	1	0	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	0	40185	2549.5	LTE B41	20	40383	2569.3	LTE B41	20	41490	2680	-	-	-	-	-	-	14.50	14.50
CA 41A-41D	LTE B41	20	40185	2549.5	QPSK	1	0	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	0	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	0	40185	2549.5	LTE B41	20	40383	2569.3	LTE B41	20	40581	2589.1	LTE B41	20	40779	2608.9	-	-	14.41	14.50
CA 41D-41A	LTE B41	20	40185	2549.5	QPSK	1	0	40185	2549.5	LTE B41	20	40383	2569.3	LTE B41	20	40581	2589.1	LTE B41	20	41292	2660.2	LTE B41	20	14.46	14.50
CA 41C-41D	LTE B41	20	40185	2549.5	QPSK	1	0	40185	2549.5	LTE B41	20	40383	2569.3	LTE B41	20	41094	2640.4	LTE B41	20	41292	2660.2	LTE B41	20	14.49	14.50
CA 41D-41C	LTE B41	20	40185	2549.5	QPSK	1	0	40185	2549.5	LTE B41	20	40383	2569.3	LTE B41	20	40581	2589.1	LTE B41	20	41292	2660.2	LTE B41	20	14.45	14.50

Table 41
Output Powers – Ant 4A

Combination	PCC Band	PCC BW [MHz]	PCC				Mod.	PCC UL RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC 1				SCC 2				SCC 3				Power	
			PCC (UL) Ch.	PCC (UL) 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	39750	2506	QPSK	1	99	39750	2506	LTE B41	20	41490	2680	-	-	-	-	-	-	-	-	-	-	14.50	14.50
CA 41A-41C	LTE B41	20	39750	2506	QPSK	1	99	39750	2506	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	-	-	-	-	14.28	14.50
CA 41C-41A	LTE B41	20	39750	2506	QPSK	1	99	39750	2506	LTE B41	20	39948	2525.8	LTE B41	20	41490	2680	-	-	-	-	-	-	14.59	14.50
CA 41A-41D	LTE B41	20	39750	2506	QPSK	1	99	39750	2506	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	39750	2506	QPSK	1	99	39750	2506	LTE B41	20	39948	2525.8	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	14.46	14.50
CA 41E	LTE B41	20	39750	2506	QPSK	1	99	39750	2506	LTE B41	20	39948	2525.8	LTE B41	20	40146	2545.6	LTE B41	20	40344	2565.4	-	-	14.50	14.50
CA 41D-41A	LTE B41	20	39750	2506	QPSK	1	99	39750	2506	LTE B41	20	39948	2525.8	LTE B41	20	40581	2589.1	LTE B41	20	40779	2608.9	-	-	14.45	14.50
CA 41C-41D	LTE B41	20	39750	2506	QPSK	1	99	39750	2506	LTE B41	20	39948	2525.8	LTE B41	20	41094	2640.4	LTE B41	20	41292	2660.2	LTE B41	20	14.46	14.50
CA 41D-41C	LTE B41	20	39750	2506	QPSK	1	99	39750	2506	LTE B41	20	39948	2525.8	LTE B41	20	40581	2589.1	LTE B41	20	41292	2660.2	LTE B41	20	14.45	14.50

Table 42
Output Powers – Ant 4B

Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	PCC	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]
CA 41A-41A (1)	LTE B41	20	40185	2549.5	QPSK	1	50	40185	2549.5	LTE B41	20	41490	2680	-	-	-	-	-	-	-	-	-	15.00	15.00	
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	-	-	-	-	-	15.00	15.00	
CA 41C-41A	LTE B41	20	40185	2549.5	QPSK	1	50	40185	2549.5	LTE B41	20	40185	2549.5	LTE B41	20	41490	2680	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680
CA 41A-41D	LTE B41	20	40185	2549.5	QPSK	1	50	40185	2549.5	LTE B41	20	41094	2660.4	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	15.00	15.00
CA 41C-41C	LTE B41	20	40185	2549.5	QPSK	1	50	40185	2549.5	LTE B41	20	40185	2549.5	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	15.00	15.00
CA 41E	LTE B41	20	40185	2549.5	QPSK	1	50	40185	2549.5	LTE B41	20	40185	2549.5	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	15.00	15.00
CA 41D-41A	LTE B41	20	40185	2549.5	QPSK	1	50	40185	2549.5	LTE B41	20	40185	2549.5	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	15.00	15.00
CA 41C-41D	LTE B41	20	40185	2549.5	QPSK	1	50	40185	2549.5	LTE B41	20	40185	2549.5	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	15.00	15.00
CA 41D-41C	LTE B41	20	40185	2549.5	QPSK	1	50	40185	2549.5	LTE B41	20	40185	2549.5	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	15.00	15.00

1.3.15

LTE Band 41 PC2 as PCC

Table 43
Output Powers – Ant 2A

Combination	PCC Band	PCC BW [MHz]	PCC [UL] Ch.	PCC				SCC 1				SCC 2				SCC 3				SCC 4				Power			
				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	40185	2549.5	QPSK	1	0	40185	2549.5	LTE B41 PC2	20	41490	2680	-	-	-	-	-	-	-	-	-	-	-	14.79	14.79	
CA 41A-41C	LTE B41 PC2	20	40185	2549.5	QPSK	1	0	40185	2549.5	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	-	-	-	-	-	-	-	14.71	14.79	
CA 41C-41A	LTE B41 PC2	20	40185	2549.5	QPSK	1	0	40185	2549.5	LTE B41 PC2	20	40329	2561.9	LTE B41 PC2	20	41490	2680	-	-	-	-	-	-	-	14.76	14.79	
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	41292	2660.2	LTE B41 PC2	20	41490	2680	-	-	-	-	14.79	14.79
CA 41C-41C	LTE B41 PC2	20	40185	2549.5	QPSK	1	0	40185	2549.5	LTE B41 PC2	20	40329	2560.9	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	-	-	-	-	14.72	14.79
CA 41E	LTE B41 PC2	20	40620	2593	QPSK	1	0	40620	2593	LTE B41 PC2	20	40422	2573.2	LTE B41 PC2	20	40318	2561.8	LTE B41 PC2	20	40356	2562.6	-	-	-	-	14.79	14.74
CA 41D-41A	LTE B41 PC2	20	40185	2549.5	QPSK	1	0	40185	2549.5	LTE B41 PC2	20	40329	2560.9	LTE B41 PC2	20	40327	2563.7	LTE B41 PC2	20	40390	2680	-	-	-	-	14.77	14.79
CA 41C-41D	LTE B41 PC2	20	40185	2549.5	QPSK	1	0	40185	2549.5	LTE B41 PC2	20	40329	2560.9	LTE B41 PC2	20	40394	2564.4	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	14.66	14.79
CA 41D-41C	LTE B41 PC2	20	40185	2549.5	QPSK	1	0	40185	2549.5	LTE B41 PC2	20	40329	2561.9	LTE B41 PC2	20	40327	2563.7	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	14.60	14.79

Table 44
Output Powers – Ant 2B

Combination	PCC Band	PCC BW [MHz]	PCC [UL] Ch.	PCC				SCC 1				SCC 2				SCC 3				SCC 4				LTE Tx Power with CA Enabled [dBm]	LTE Single Carrier Tx Power [dBm]		
				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]	
CA 41A-41A (1)	LTE B41 PC2	20	40185	2549.5	QPSK	1	99	40185	2549.5	LTE B41 PC2	20	41490	2680	-	-	-	-	-	-	-	-	-	-	-	14.46	14.50	
CA 41A-41E	LTE B41 PC2	20	40185	2549.5	QPSK	1	99	40185	2549.5	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	-	-	-	-	-	-	-	14.46	14.50	
CA 41C-41A	LTE B41 PC2	20	40185	2549.5	QPSK	1	99	40185	2549.5	LTE B41 PC2	20	40383	2569.3	LTE B41 PC2	20	41490	2680	-	-	-	-	-	-	-	14.49	14.50	
CA 41A-41D	LTE B41 PC2	20	40185	2549.5	QPSK	1	99	40185	2549.5	LTE B41 PC2	20	41094	2640.4	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	-	-	-	-	14.45	14.50
CA 41C-41C	LTE B41 PC2	20	40185	2549.5	QPSK	1	99	40185	2549.5	LTE B41 PC2	20	40383	2569.3	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	-	-	-	-	14.42	14.50
CA 41E	LTE B41 PC2	20	40185	2549.5	QPSK	1	99	40185	2549.5	LTE B41 PC2	20	40383	2569.3	LTE B41 PC2	20	40581	2589.1	LTE B41 PC2	20	40779	2608.9	-	-	-	-	14.50	14.50
CA 41D-41A	LTE B41 PC2	20	40185	2549.5	QPSK	1	99	40185	2549.5	LTE B41 PC2	20	40383	2569.3	LTE B41 PC2	20	40581	2589.1	LTE B41 PC2	20	41490	2680	-	-	-	-	14.48	14.50
CA 41C-41D	LTE B41 PC2	20	40185	2549.5	QPSK	1	99	40185	2549.5	LTE B41 PC2	20	40383	2569.3	LTE B41 PC2	20	40394	2564.4	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	14.37	14.50
CA 41D-41C	LTE B41 PC2	20	40185	2549.5	QPSK	1	99	40185	2549.5	LTE B41 PC2	20	40383	2569.3	LTE B41 PC2	20	40581	2589.1	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	14.46	14.50

Table 45
Output Powers – Ant 4A

Combination	PCC Band	PCC BW [MHz]	PCC [UL] Ch.	PCC				SCC 1				SCC 2				SCC 3				SCC 4				Power			
				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	QPSK	1	99	39750	2506	LTE B41 PC2	20	41490	2680	-	-	-	-	-	-	-	-	-	-	-	14.48	14.50	
CA 41A-41C	LTE B41 PC2	20	39750	2506	QPSK	1	99	39750	2506	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	-	-	-	-	-	-	-	14.48	14.50	
CA 41C-41A	LTE B41 PC2	20	39750	2506	QPSK	1	99	39750	2506	LTE B41 PC2	20	39946	2526.6	LTE B41 PC2	20	41490	2680	-	-	-	-	-	-	-	14.46	14.50	
CA 41A-41D	LTE B41 PC2	20	39750	2506	QPSK	1	99	39750	2506	LTE B41 PC2	20	40394	2564.4	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	-	-	-	-	14.44	14.50
CA 41C-41C	LTE B41 PC2	20	39750	2506	QPSK	1	99	39750	2506	LTE B41 PC2	20	39946	2526.6	LTE B41 PC2	20	40392	2660.2	LTE B41 PC2	20	41490	2680	-	-	-	-	14.38	14.50
CA 41E	LTE B41 PC2	20	39750	2506	QPSK	1	99	39750	2506	LTE B41 PC2	20	39948	2525.8	LTE B41 PC2	20	40346	2545.4	LTE B41 PC2	20	40344	2545.4	-	-	-	-	14.29	14.50
CA 41D-41A	LTE B41 PC2	20	39750	2506	QPSK	1	99	39750	2506	LTE B41 PC2	20	39948	2525.8	LTE B41 PC2	20	40346	2545.4	LTE B41 PC2	20	40346	2545.4	-	-	-	-	14.48	14.50
CA 41C-41D	LTE B41 PC2	20	39750	2506	QPSK	1	99	39750	2506	LTE B41 PC2	20	39948	2525.8	LTE B41 PC2	20	40394	2564.4	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	14.36	14.50
CA 41D-41C	LTE B41 PC2	20	39750	2506	QPSK	1	99	39750	2506	LTE B41 PC2	20	39948	2525.8	LTE B41 PC2	20	40346	2545.4	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	14.36	14.50

Table 46
Output Powers – Ant 4B

Combination	PCC Band	PCC BW [MHz]	PCC				SCC 1				SCC 2				SCC 3				SCC 4				Power					
			PCC [UL] Ch.	PCC [F] 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	40185	2549.5	QPSK	1	0	40185	2549.5	LTE B41 PC2	20	41490	2680	-	-	-	-	-	-	-	-	-	-	-	-	-	14.98	15.00
CA 41A-41C	LTE B41 PC2	20	40185	2549.5	QPSK	1	0	40185	2549.5	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	-	-	-	-	-	-	-	-	-	15.00	15.00
CA 41C-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	41490	2680	-	-	-	-	-	-	-	-	-	14.91	15.00
CA 41A-41D	LTE B41 PC2	20	40185	2549.5	QPSK	1	0	40185	2549.5	LTE B41 PC2	20	41094	2640.4	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	-	-	-	-	-	15.00	15.00
CA 41C-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	41292	2660.2	LTE B41 PC2	20	41490	2680	-	-	-	-	-	14.91	15.00
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	40381	2569.1	LTE B41 PC2	20	40779	2608.9	-	-	-	-	-	14.91	15.00
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	40381	2569.1	LTE B41 PC2	20	41490	2680	-	-	-	-	-	15.00	15.00
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	40394	2564.4	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	14.84	15.00	
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	40381	2569.1	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	14.84	15.00	

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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.

1.4.1 LTE 4x4 MIMO DL Standalone Powers

Table 47
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]	Maximum Allowed Output Power [dBm]
4	15	20025	1717.5	16QAM	1	36	14.67	14.70	14.7
66	15	132047	1717.5	16QAM	1	36	14.66	14.70	14.7
2	20	18925	1882.5	QPSK	1	0	13.93	14.00	14.0
25	20	26365	1882.5	QPSK	1	0	13.98	14.00	14.0
7	20	20850	2510	QPSK	1	0	11.97	12.00	12.0
30	5	27710	2310	16QAM	1	24	12.57	12.60	12.6
41	10	40185	2549.5	QPSK	1	0	14.75	14.76	14.8
41 PC2	10	40185	2549.5	QPSK	1	0	14.78	14.79	14.8

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Table 48
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 Output Power [dBm]
4	20	20300	1745	QPSK	1	99	14.28	14.30	14.3
66	20	132572	1770	QPSK	1	99	14.27	14.30	14.3
2	20	18925	1882.5	QPSK	1	99	13.70	13.70	13.7
25	20	26365	1882.5	QPSK	1	99	13.68	13.70	13.7
7	20	21100	2535	QPSK	1	0	12.19	12.30	12.3
30	10	27710	2310	QPSK	1	0	12.87	12.86	13.4
41	20	40185	2549.5	QPSK	1	0	14.48	14.50	14.5
41 PC2	20	40185	2549.5	QPSK	1	99	14.48	14.50	14.5

Table 49
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 Output Power [dBm]
4	20	20300	1745	QPSK	1	99	14.97	15.00	15.0
66	20	132322	1745	QPSK	1	99	14.95	15.00	15.0
2	20	18700	1860	QPSK	1	0	15.30	15.28	15.3
25	20	26140	1860	QPSK	1	0	15.26	15.28	15.3
7	20	21100	2535	QPSK	1	99	11.96	12.00	12.0
30	10	27710	2310	QPSK	1	49	13.41	13.45	13.5
41	20	39750	2506	QPSK	1	99	14.47	14.50	14.5
41 PC2	20	39750	2506	QPSK	1	99	14.50	14.50	14.5

Table 50
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 Output Power [dBm]
4	10	20000	1715	64QAM	1	0	14.49	14.47	14.75
66	10	132022	1715	64QAM	1	0	14.43	14.47	14.75
2	15	18925	1882.5	QPSK	1	74	14.14	14.19	14.2
25	15	26365	1882.5	QPSK	1	74	14.12	14.19	14.2
7	20	21100	2535	QPSK	1	0	11.99	12.00	12.3
30	5	27710	2310	16QAM	1	24	13.17	13.19	13.7
41	20	40185	2549.5	QPSK	1	50	15.00	15.00	15.0
41 PC2	20	40185	2549.5	QPSK	1	0	15.00	15.00	15.0

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1.4.2 LTE Band 71 as PCC

Table 51
Output Powers – Ant 1

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 [2A]-2A-71A	LTE B71	20	133297	680.5	QPSK	1	50	68761	634.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO		20.00
CA [2A]-4A-71A	LTE B71	20	133297	680.5	QPSK	1	50	68761	634.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO		19.98
CA [2A]-4A-71A	LTE B71	20	133297	680.5	QPSK	1	50	68761	634.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO		19.97
CA [2A]-66A-71A	LTE B71	20	133297	680.5	QPSK	1	50	68761	634.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO		19.98
CA [2A]-66A-71A	LTE B71	20	133297	680.5	QPSK	1	50	68761	634.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO		19.98
CA [4A]-4A-71A	LTE B71	20	133297	680.5	QPSK	1	50	68761	634.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO		19.94
CA [66A]-66A-71A	LTE B71	20	133297	680.5	QPSK	1	50	68761	634.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO		19.95
CA [66C]-71A	LTE B71	20	133297	680.5	QPSK	1	50	68761	634.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	66984	2164.8	4x4 MIMO		19.96

Table 52
Output Powers – Ant 3

Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC					SCC 1					SCC 2					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.	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA [2A]-2A-71A	LTE B71	20	133297	680.5	QPSK	1	99	68761	634.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	22.19	22.20
CA [2A]-4A-71A	LTE B71	20	133297	680.5	QPSK	1	99	68761	634.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	22.18	22.20
CA [2A]-4A-71A	LTE B71	20	133297	680.5	QPSK	1	99	68761	634.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	22.18	22.20
CA [2A]-66A-71A	LTE B71	20	133297	680.5	QPSK	1	99	68761	634.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	22.17	22.20
CA [2A]-66A-71A	LTE B71	20	133297	680.5	QPSK	1	99	68761	634.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	22.18	22.20
CA [4A]-4A-71A	LTE B71	20	133297	680.5	QPSK	1	99	68761	634.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	22.13	22.20
CA [66A]-66A-71A	LTE B71	20	133297	680.5	QPSK	1	99	68761	634.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	22.15	22.20
CA [66C]-71A	LTE B71	20	133297	680.5	QPSK	1	99	68761	634.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	66984	2164.8	4x4 MIMO	22.19	22.20

1.4.3 LTE Band 12 as PCC

Table 53
Output Powers – Ant 1

Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC					DL Ant. Config.	SCC 1				SCC 2				SCC 3				Power						
						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]	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	10	23095	707.5	QPSK	1	49	5095	737.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	19.67	19.67	
CA [4A]-12A (1)	LTE B12	10	23095	707.5	QPSK	1	49	5095	737.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	19.66	19.67	
CA [4A]-12A (2)	LTE B12	3	23095	707.5	QPSK	1	7	5095	737.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	19.65	19.68	
CA [7A]-12A	LTE B12	10	23095	707.5	QPSK	1	49	5095	737.5	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	19.68	19.67	
CA [12A]-66A (1)	LTE B12	10	23095	707.5	QPSK	1	49	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	19.65	19.67	
CA [12A]-66A (2)	LTE B12	3	23095	707.5	QPSK	1	7	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	19.64	19.68	
CA [2A]-2A-12A	LTE B12	10	23095	707.5	QPSK	1	49	5095	737.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	-	-	-	19.70	19.67
CA [2C]-12A	LTE B12	10	23095	707.5	QPSK	1	49	5095	737.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	702	1940.2	4x4 MIMO	-	-	-	-	-	-	-	-	19.66	19.67
CA [2A]-4A-12A	LTE B12	10	23095	707.5	QPSK	1	49	5095	737.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	-	-	-	19.62	19.67
CA [2A]-4A-12A	LTE B12	10	23095	707.5	QPSK	1	49	5095	737.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	-	-	-	19.68	19.67
CA [2A]-12A-66A	LTE B12	10	23095	707.5	QPSK	1	49	5095	737.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	-	-	-	19.67	19.67
CA [2A]-12A-66A	LTE B12	10	23095	707.5	QPSK	1	49	5095	737.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	-	-	19.68	19.67
CA [2A]-12A-66A	LTE B12	10	23095	707.5	QPSK	1	49	5095	737.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	-	-	19.64	19.67
CA [4A]-4A-12A	LTE B12	10	23095	707.5	QPSK	1	49	5095	737.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	-	-	-	19.66	19.67
CA [4A]-7A-12A (1)	LTE B12	10	23095	707.5	QPSK	1	49	5095	737.5	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	-	-	-	-	-	-	-	-	19.66	19.67
CA [4A]-12A-10A	LTE B12	10	23095	707.5	QPSK	1	49	5095	737.5	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	-	-	-	19.64	19.67
CA [12A]-66C	LTE B12	10	23095	707.5	QPSK	1	49	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	66984	2164.8	4x4 MIMO	-	-	-	-	-	-	-	-	19.70	19.67
CA [12A]-66A-66A	LTE B12	10	23095	707.5	QPSK	1	49	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	-	-	-	-	-	-	-	-	19.66	19.67
CA [2A]-10A-66A	LTE B12	10	23095	707.5	QPSK	1	49	5095	737.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	-	-	19.68	19.67
CA [2A]-2A-12B	LTE B12	5	23095	707.5	QPSK	1	0	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	19.65	19.66
CA [2A]-4A-12B	LTE B12	5	23095	707.5	QPSK	1	0	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	19.63	19.66
CA [2A]-4A-12B	LTE B12	5	23095	707.5	QPSK	1	0	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	19.62	19.66
CA [2A]-12A-66C	LTE B12	10	23095	707.5	QPSK	1	49	5095	737.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	LTE B66	20	66984	2164.8	2x2 MIMO	-	-	-	19.63	19.67
CA [4A]-4A-12B	LTE B12	5	23095	707.5	QPSK	1	0	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	19.67	19.66

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Table 54
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	SCC 1										SCC 2										SCC 3										Power	
								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]-12A	LTE B12	10	23095	707.5	16QAM	1	0	5095	737.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19.97	20.00						
CA [4A]-12A (1)	LTE B12	10	23095	707.5	16QAM	1	0	5095	737.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19.98	20.00						
CA [4A]-12A (2)	LTE B12	10	23095	707.5	16QAM	1	0	5095	737.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19.98	20.00						
CA [7A]-12A	LTE B12	10	23095	707.5	16QAM	1	0	5095	737.5	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19.91	20.00						
CA [2A]-66A (1)	LTE B12	10	23095	707.5	16QAM	1	0	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19.96	20.00						
CA [2A]-66A (2)	LTE B12	10	23095	707.5	16QAM	1	0	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19.96	20.00						
CA [2A]-2A-12A	LTE B12	10	23095	707.5	16QAM	1	0	5095	737.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	19.96	20.00					
CA [2C]-12A	LTE B12	10	23095	707.5	16QAM	1	0	5095	737.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	702	1940.2	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	19.98	20.00					
CA [2A]-4A-12A	LTE B12	10	23095	707.5	16QAM	1	0	5095	737.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	19.99	20.00					
CA [2A]-4A-12A	LTE B12	10	23095	707.5	16QAM	1	0	5095	737.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	19.95	20.00					
CA [2A]-12A-[30A]	LTE B12	10	23095	707.5	16QAM	1	0	5095	737.5	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	10	23095	707.5	16QAM	1	0	5095	737.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	19.97	20.00					
CA [2A]-12A-[66A]	LTE B12	10	23095	707.5	16QAM	1	0	5095	737.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	20.00	20.00					
CA [4A]-4A-12A	LTE B12	10	23095	707.5	16QAM	1	0	5095	737.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	19.95	20.00					
CA [4A]-[7A]-12A (1)	LTE B12	10	23095	707.5	16QAM	1	0	5095	737.5	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	19.98	20.00					
CA [4A]-12A-[30A]	LTE B12	10	23095	707.5	16QAM	1	0	5095	737.5	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	19.97	20.00					
CA [2A]-[66C]	LTE B12	10	23095	707.5	16QAM	1	0	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	66984	2164.8	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	19.95	20.00					
CA [2A]-[66A]-66A	LTE B12	10	23095	707.5	16QAM	1	0	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2150	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	19.94	20.00					
CA [2A]-[30A]-66A	LTE B12	10	23095	707.5	16QAM	1	0	5095	737.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	19.95	20.00					
CA [2A]-2A-12B	LTE B12	5	23095	707.5	QPSK	1	0	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	19.94	19.98												
CA [2A]-4A-12B	LTE B12	5	23095	707.5	QPSK	1	0	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	19.90	19.98												
CA [2A]-[4A]-12B	LTE B12	5	23095	707.5	QPSK	1	0	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	19.88	19.98												
CA [2A]-12A-66C	LTE B12	10	23095	707.5	16QAM	1	0	5095	737.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	LTE B66	20	66984	2164.8	2x2 MIMO	19.89	20.00												
CA [4A]-4A-12B	LTE B12	5	23095	707.5	QPSK	1	0	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	19.89	19.98												

1.4.4 LTE Band 17 as PCC

Table 55
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	49	5790	740	2x2 MIMO	LTE B2	10	900	1960	4x4 MIMO	19.62	19.67
CA [4A]-17A	LTE B17	10	23790	710	QPSK	1	49	5790	740	2x2 MIMO	LTE B4	10	2175	2132.5	4x4 MIMO	19.61	19.67

FCC ID: BCGA2013		SAR EVALUATION REPORT	Reviewed by: Quality Manager
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Table 56
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) 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	16QAM	1	0	5790	740	2x2 MIMO	LTE B2	10	900	1960	4x4 MIMO	19.99	20.00
CA [4A]-17A	LTE B17	10	23790	710	16QAM	1	0	5790	740	2x2 MIMO	LTE B4	10	2175	2132.5	4x4 MIMO	20.00	20.00

1.4.5 LTE Band 13 as PCC

Table 57
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				DL Ant. Config.	Power	
						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]		LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA [2A]-13A-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	-	-	-	-	-	21.30	21.30
CA [2A]-13A-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	-	-	-	-	-	21.26	21.30
CA [2A]-13A-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	-	-	-	-	-	21.28	21.30
CA [2A]-13A-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	-	-	-	-	-	21.25	21.30
CA [2A]-13A-13A	LTE B13	10	23230	782	QPSK	1	0	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-13A	LTE B13	10	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B6	20	66786	2145	4x4 MIMO	-	-	-	-	-	21.26	21.30
CA [2A]-13A-13A	LTE B13	10	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B2	20	2175	2132.5	4x4 MIMO	LTE B6	10	2350	2150	2x2 MIMO	-	-	-	-	-	21.30	21.30
CA [13A]-66A	LTE B13	10	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B6	20	66786	2145	4x4 MIMO	LTE B6	20	67236	2190	2x2 MIMO	-	-	-	-	-	21.27	21.30
CA [13A]-66A	LTE B13	10	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B6	15	66786	2145	4x4 MIMO	LTE B6	5	66879	2154.3	4x4 MIMO	-	-	-	-	-	21.30	21.30
CA [13A]-66A	LTE B13	10	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B6	20	66786	2145	4x4 MIMO	LTE B6	20	66984	2164.8	4x4 MIMO	-	-	-	-	-	21.29	21.30
CA [13A]-66A	LTE B13	10	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B6	20	50665	5537.5	2x2 MIMO	LTE B6	20	66786	2145	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 B6	15	66786	2145	2x2 MIMO	LTE B6	5	66879	2154.3	2x2 MIMO	21.29	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 B6	20	66786	2145	2x2 MIMO	LTE B6	20	66984	2164.8	2x2 MIMO	21.26	21.30
CA [13A]-66A-66A	LTE B13	10	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B6	20	66786	2145	4x4 MIMO	LTE B6	5	67168	2183.2	2x2 MIMO	LTE B6	15	67261	2192.5	2x2 MIMO	21.27	21.30
CA [13A]-66A-66A	LTE B13	10	23230	782	QPSK	1	0	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	21.25	21.30
CA [13A]-66A-66A	LTE B13	10	23230	782	QPSK	1	0	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	21.24	21.30

Table 58
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				DL Ant. Config.	Power	
						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]		LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA [2A]-13A-13A	LTE B13	10	23230	782	QPSK	1	49	5230	751	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	21.30	21.30
CA [2A]-13A-13A	LTE B13	10	23230	782	QPSK	1	49	5230	751	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	21.24	21.30
CA [2A]-13A-13A	LTE B13	10	23230	782	QPSK	1	49	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-13A	LTE B13	10	23230	782	QPSK	1	49	5230	751	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B6	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	21.29	21.30
CA [2A]-13A-13A	LTE B13	10	23230	782	QPSK	1	49	5230	751	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B6	20	66786	2145	2x2 MIMO	-	-	-	-	-	21.30	21.30
CA [2A]-13A-13A	LTE B13	10	23230	782	QPSK	1	49	5230	751	2x2 MIMO	LTE B2	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	21.28	21.30
CA [13A]-66A	LTE B13	10	23230	782	QPSK	1	49	5230	751	2x2 MIMO	LTE B6	20	66786	2145	4x4 MIMO	LTE B6	20	67236	2190	2x2 MIMO	-	-	-	-	-	21.27	21.30
CA [13A]-66A	LTE B13	10	23230	782	QPSK	1	49	5230	751	2x2 MIMO	LTE B6	15	66786	2145	4x4 MIMO	LTE B6	5	66879	2154.3	4x4 MIMO	-	-	-	-	-	21.29	21.30
CA [13A]-66A	LTE B13	10	23230	782	QPSK	1	49	5230	751	2x2 MIMO	LTE B6	20	66786	2145	4x4 MIMO	LTE B6	20	66984	2164.8	4x4 MIMO	-	-	-	-	-	21.29	21.30
CA [13A]-66A	LTE B13	10	23230	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-66A	LTE B13	10	23230	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	21.21	21.30
CA [2A]-13A-66A	LTE B13	10	23230	782	QPSK	1	49	5230	751	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B6	20	66786	2145	2x2 MIMO	LTE B6	20	66984	2164.8	2x2 MIMO	21.30	21.30
CA [13A]-66A-66A	LTE B13	10	23230	782	QPSK	1	49	5230	751	2x2 MIMO	LTE B6	20	66786	2145	4x4 MIMO	LTE B6	5	67168	2183.2	2x2 MIMO	LTE B6	15	67261	2192.5	2x2 MIMO	21.30	21.30
CA [13A]-66A-66A	LTE B13	10	23230	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	21.29	21.30
CA [13A]-66A-66A	LTE B13	10	23230	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

1.4.6 LTE Band 14 as PCC

Table 59
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.	Power	
						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]		LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA [2A]-14A-14A	LTE B14	10	23330	793	16QAM	1	0	5330	763	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	21.21	21.24
CA [2A]-14A-14A	LTE B14	10	23330	793	16QAM	1	0	5330	763	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	21.23	21.24
CA [2A]-14A-66A	LTE B14	10	23330	793	16QAM	1	0	5330	763	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B6	20	66786	2145	2x2 MIMO	21.18	21.24
CA [2A]-14A-66A	LTE B14	10	23330	793	16QAM	1	0	5330	763	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B6	20	66786	2145	4x4 MIMO	21.25	21.24
CA [14A]-66A-66A	LTE B14	10	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	21.24
CA [14A]-66A-66A	LTE B14	10	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	21.24

Table 60
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			
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1.4.7 LTE Band 5 as PCC

Table 61
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 5A-[7A]	LTE B5	10	20525	836.5	QPSK	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	QPSK	1	49	2525	881.5	2x2 MIMO	LTE B25	20	8365	1962.5	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	20.24	20.30		
CA 5A-[41A]	LTE B5	10	20525	836.5	QPSK	1	49	2525	881.5	2x2 MIMO	LTE B41	20	40620	2593	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	20.28	20.30		
CA [2A]-[2A-5A]	LTE B5	10	20525	836.5	QPSK	1	49	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	-	-	20.24	20.30	
CA [2C]-5A	LTE B5	10	20525	836.5	QPSK	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	QPSK	1	49	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	-	-	20.26	20.30	
CA [2A]-[4A]-5A	LTE B5	10	20525	836.5	QPSK	1	49	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	-	-	20.30	20.30	
CA [2A]-5A-[30A]	LTE B5	10	20525	836.5	QPSK	1	49	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	-	-	20.27	20.30	
CA [2A]-5A-[66A]	LTE B5	10	20525	836.5	QPSK	1	49	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	-	20.27	20.30	
CA [4A]-[4A]-5A	LTE B5	10	20525	836.5	QPSK	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	QPSK	1	49	2525	881.5	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	-	-	20.30	20.30	
CA 5A-[66B]	LTE B5	10	20525	836.5	QPSK	1	49	2525	881.5	2x2 MIMO	LTE B66	15	66786	2145	4x4 MIMO	LTE B66	5	66879	2154.3	4x4 MIMO	-	-	-	-	-	-	-	20.29	20.30	
CA 5A-[66C]	LTE B5	10	20525	836.5	QPSK	1	49	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	66984	2164.8	4x4 MIMO	-	-	-	-	-	-	-	20.27	20.30	
CA 5A-[66A]-66A	LTE B5	10	20525	836.5	QPSK	1	49	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	-	-	-	-	-	-	-	20.30	20.30	
CA 5A-[30A]-66A	LTE B5	10	20525	836.5	QPSK	1	49	2525	881.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	-	20.30	20.30	
CA [2A]-[4A]-5B	LTE B5	10	20525	836.5	QPSK	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	-	-	-	20.26	20.30
CA [2A]-[4A]-5B	LTE B5	10	20525	836.5	QPSK	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	-	-	-	20.27	20.30
CA [2A]-5B-[30A]	LTE B5	10	20525	836.5	QPSK	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	-	-	-	20.29	20.30
CA [2A]-5A-[66B]	LTE B5	10	20525	836.5	QPSK	1	49	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	-	-	-	20.28	20.30
CA [2A]-5A-[66C]	LTE B5	10	20525	836.5	QPSK	1	49	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	-	-	-	20.28	20.30
CA [2A]-5B-[66A]	LTE B5	10	20525	836.5	QPSK	1	49	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	-	-	-	20.25	20.30
CA [2A]-5A-[66A]	LTE B5	10	20525	836.5	QPSK	1	49	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	-	-	-	20.30	20.30
CA [4A]-[4A]-5B	LTE B5	10	20525	836.5	QPSK	1	49	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	-	-	-	20.29	20.30
CA 5B-[66A]-66A	LTE B5	10	20525	836.5	QPSK	1	49	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	-	-	-	20.28	20.30
CA 5A-[66A]-66B	LTE B5	10	20525	836.5	QPSK	1	49	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	-	-	-	20.29	20.30
CA 5A-[66A]-66C	LTE B5	10	20525	836.5	QPSK	1	49	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	-	-	-	20.28	20.30
CA 5B-[30A]-66A	LTE B5	10	20525	836.5	QPSK	1	49	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	-	-	-	20.30	20.30

Table 62
Output Powers – Ant 3

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 B5	10	20525	836.5	QPSK	1	49	2525	881.5	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	21.33	21.40		
CA 5A-[25A]	LTE B5	10	20525	836.5	QPSK	1	49	2525	881.5	2x2 MIMO	LTE B25	20	8365	1962.5	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	21.32	21.40		
CA 5A-[41A]	LTE B5	10	20525	836.5	QPSK	1	49	2525	881.5	2x2 MIMO	LTE B41	20	40620	2593	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	21.38	21.40		
CA [2A]-[2A]-5A	LTE B2	10	20525	836.5	QPSK	1	49	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	-	-	21.38	21.40	
CA [2C]-5A	LTE B5	10	20525	836.5	QPSK	1	49	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	702	1940.2	4x4 MIMO	-	-	-	-	-	-	-	21.32	21.40	
CA [2A]-[4A]-5A	LTE B5	10	20525	836.5	QPSK	1	49	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	-	-	21.33	21.40	
CA [2A]-[4A]-5A	LTE B5	10	20525	836.5	QPSK	1	49	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	-	-	21.35	21.40	
CA [2A]-5A-[30A]	LTE B5	10	20525	836.5	QPSK	1	49	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	-	-	21.34	21.40	
CA [2A]-5A-[66A]	LTE B5	10	20525	836.5	QPSK	1	49	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	-	21.37	21.40	
CA [2A]-5A-[66A]	LTE B5	10	20525	836.5	QPSK	1	49	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	-	21.39	21.40	
CA [4A]-[4A]-5A	LTE B5	10	20525	836.5	QPSK	1	49	2525	881.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	-	-	21.32	21.40	
CA [4A]-5A-[30A]	LTE B5	10	20525	836.5	QPSK	1	49	2525	881.5	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	-	-	21.37	21.40	
CA 5A-[66C]	LTE B5	10	20525	836.5	QPSK	1	49	2525	881.5	2x2 MIMO	LTE B66	15	66786	2145	4x4 MIMO	LTE B66	5	66879	2154.3	4x4 MIMO	-	-	-	-	-	-	-	21.40	21.40	
CA 5A-[66C]	LTE B5	10	20525	836.5	QPSK	1	49	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	66984	2164.8	4x4 MIMO	-	-	-	-	-	-	-	21.39	21.40	
CA 5A-[66A]-66A	LTE B5	10	20525	836.5	QPSK	1	49	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	-	-	-	-	-	-	-	21.38	21.40	
CA 5A-[30A]-66A	LTE B5	10	20525	836.5	QPSK	1	49	2525	881.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	-	21.37	21.40	
CA [2A]-[4A]-5B	LTE B5	10	20525	836.5	QPSK	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	-	-	-	21.35	21.40
CA [2A]-[4A]-5B	LTE B5	10	20525	836.5	QPSK	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	-	-	-	21.40	21.40
CA [2A]-5A-[66B]	LTE B5	10	20525	836.5	QPSK	1	49	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	-	-	-	21.33	21.40
CA [2A]-5A-[66C]	LTE B5	10	20525	836.5	QPSK	1	49	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	4x4 MIMO	-	-	-	21.34	21.40
CA [2A]-5B-[66A]	LTE B5	10	20525	836.5	QPSK	1	49	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	21.34	21.40
CA [2A]-5B-[66B]	LTE B5	10	20525	836.5	QPSK	1	49	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	-	-	-	21.34	21.40
CA [4A]-[4A]-5B	LTE B5	10	20525	836.5	QPSK	1	49	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	-	-	-	21.39	21.40
CA [4A]-[66A]-66A	LTE B5	10	20525	836.5	QPSK	1	49	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	21.40
CA [4A]-[66A]-66A	LTE B5	10	20525	836.5	QPSK	1	49	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	21.40
CA 5A-[66A]-66C	LTE B5	10	20525	836.5	QPSK	1	49	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	-	-	-	21.36	21.40
CA 5B-[30A]-66A	LTE B5	10	20525	836.5	QPSK	1	49	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	-	-	-	21.40	21.40

LTE Band 4 as PCC

Table 65
Output Powers – Ant 2A

																														Power	
Combination	PCC Band	PCC BW [MHz]	PCC UH [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 Power [dBm]				
CA [2A]-4A	LTE B4	15	20025	1717.5	15QAM	1	36	20025	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.64	14.70			
CA [2A]-4A(1)	LTE B4	15	20025	1717.5	15QAM	1	36	20025	2117.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.74	14.70			
CA [4A]-12A(1)	LTE B4	15	20025	1717.5	15QAM	1	36	20025	2117.5	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.74	14.70			
CA [4A]-12A(2)	LTE B4	15	20025	1717.5	15QAM	1	36	20025	2117.5	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.54	14.70			
CA [4A]-7A	LTE B4	10	20000	1715	6QAM	1	49	20000	2115	4x4 MIMO	LTE B10	10	5790	740	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.65	14.70			
CA [4A]-29A	LTE B4	10	20000	1715	6QAM	1	49	20000	2115	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.70	14.70			
CA [4A]-4A-5A	LTE B4	15	20025	1717.5	15QAM	1	36	20025	2117.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.65	14.70			
CA [2A]-2A-4A	LTE B4	15	20025	1717.5	15QAM	1	36	20025	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	-	-	14.52	14.70		
CA 2A(4)-4A	LTE B4	15	20025	1717.5	15QAM	1	36	20025	2117.5	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	14.51	14.70		
CA 2A(4)-4A	LTE B4	15	20025	1717.5	15QAM	1	36	20025	2117.5	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	14.55	14.70		
CA [2A]-4A-5A	LTE B4	15	20025	1717.5	15QAM	1	36	20025	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	14.56	14.70		
CA 2A(4)-5A	LTE B4	15	20025	1717.5	15QAM	1	36	20025	2117.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	14.52	14.70		
CA [2A]-4A-12A	LTE B4	15	20025	1717.5	15QAM	1	36	20025	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	14.52	14.70		
CA 2A-[4A]-12A	LTE B4	15	20025	1717.5	15QAM	1	36	20025	2117.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	14.54	14.70		
CA [2A]-4A-13A	LTE B4	15	20025	1717.5	15QAM	1	36	20025	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	-	14.62	14.70		
CA [2A]-4A-13A	LTE B4	15	20025	1717.5	15QAM	1	36	20025	2117.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	-	14.56	14.70		
CA [2A]-4A-29A	LTE B4	15	20025	1717.5	15QAM	1	36	20025	2117.5	4x4 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	14.58	14.70		
CA 2A-[4A]-29A	LTE B4	15	20025	1717.5	15QAM	1	36	20025	2117.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	14.50	14.70		
CA [2A]-4A-30A	LTE B4	15	20025	1717.5	15QAM	1	36	20025	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	-	14.63	14.70		
CA 2A-[4A]-30A	LTE B4	15	20025	1717.5	15QAM	1	36	20025	2117.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	-	14.57	14.70		
CA [4A]-4A-10A	LTE B4	15	20025	1717.5	15QAM	1	36	20025	2117.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	-	-	14.59	14.70		
CA [4A]-4A-7A	LTE B4	15	20025	1717.5	15QAM	1	36	20025	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B7	20	86761	634.5	2x2 MIMO	-	-	-	-	-	-	-	14.60	14.70		
CA 2A-[4A]-7A	LTE B4	15	20025	1717.5	15QAM	1	36	20025	2117.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B7	20	86761	634.5	2x2 MIMO	-	-	-	-	-	-	-	14.53	14.70		
CA [4A]-4A-5A	LTE B4	15	20025	1717.5	15QAM	1	36	20025	2117.5	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	14.59	14.70		
CA [4A]-4A-5A	LTE B4	15	20025	1717.5	15QAM	1	36	20025	2117.5	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	14.51	14.70		
CA [4A]-4A-12A	LTE B4	15	20025	1717.5	15QAM	1	36	20025	2117.5	2x2 MIMO	LTE B2	20	2300	2145	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	14.56	14.70		
CA [4A]-4A-12A	LTE B4	15	20025	1717.5	15QAM	1	36	20025	2117.5	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B7	20	3100	2655	2x2 MIMO	-	-	-	-	-	-	-	14.56	14.70		
CA [4A]-7A(1)	LTE B4	15	20025	1717.5	15QAM	1	36	20025	2117.5	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	LTE B7	20	2850	2630	2x2 MIMO	-	-	-	-	-	-	-	14.62	14.70		
CA [4A]-12A-1	LTE B4	15	20025	1717.5	15QAM	1	36	20025	2117.5	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	14.56	14.70		
CA [4A]-4A-12A	LTE B4	15	20025	1717.5	15QAM	1	36	20025	2117.5	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	14.52	14.70		
CA [4A]-4A-13A	LTE B4	15	20025	1717.5	15QAM	1	36	20025	2117.5	2x2 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	-	14.57	14.70		
CA [4A]-4A-13A	LTE B4	15	20025	1717.5	15QAM	1	36	20025	2117.5	4x4 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	-	14.56	14.70		
CA [4A]-4A-29A	LTE B4	15	20025	1717.5	15QAM	1	36	20025	2117.5	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	14.56	14.70		
CA [4A]-4A-29A	LTE B4	15	20025	1717.5	15QAM	1	36	20025	2117.5	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	14.60	14.70		
CA [4A]-4A-30A	LTE B4	15	20025	1717.5	15QAM	1	36	20025	2117.5	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	-	14.49	14.70		
CA [4A]-4A-30A	LTE B4	15	20025	1717.5	15QAM	1	36	20025	2117.5	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	-	14.50	14.70		
CA [4A]-4A-5A	LTE B4	15	20025	1717.5	15QAM	1	36	20025	2117.5	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B7	20	86761	634.5	2x2 MIMO	-	-	-	-	-	-	-	14.58	14.70		
CA [4A]-4A-7A	LTE B4	15	20025	1717.5	15QAM	1	36	20025	2117.5	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B7	20	86761	634.5	2x2 MIMO	-	-	-	-	-	-	-	14.57	14.70		
CA [4A]-5A-10A	LTE B4	15	20025	1717.5	15QAM	1	36	20025	2117.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	14.55	14.70		
CA [4A]-7A(1)-2A(1)	LTE B4	15	20025	1717.5	15QAM	1	36	20025	2117.5	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	14.61	14.70		
CA [4A]-12A(1)-30A	LTE B4	15	20025	1717.5	15QAM	1	36	20025	2117.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	-	-	14.60	14.70		
CA [4A]-29A(1)-30A	LTE B4	15	20025	1717.5	15QAM	1	36	20025	2117.5	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	-	-	14.55	14.70		
CA [2A]-4A-5B	LTE B4	15	20025	1717.5	15QAM	1	36	20025	2117.5	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	14.56	14.70				
CA 2A(4)-5B	LTE B4	15	20025	1717.5	15QAM	1	36	20025	2117.5	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	14.51	14.70				
CA [4A]-12A-1B	LTE B4	15	20025	1717.5	15QAM	1	36	20025	2117.5	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B12	5	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	14.52	14.70				
CA [4A]-12A-1B	LTE B4	15	20025	1717.5	15QAM	1	36	20025	2117.5	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B12	5	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	14.52	14.70				
CA [4A]-4A-5B	LTE B4	15	20025	1717.5	15QAM	1	36	20025	2117.5	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	14.56	14.70				
CA [4A]-4A-5B	LTE B4	15	20025	1717.5	15QAM	1	36	20025	2117.5	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	14.52	14.70				
CA [4A]-4A-12B	LTE B4	15	20025	1717.5	15QAM	1	36	20025	2117.5	2x2 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B12	5	5095	73												

Table 66
Output Powers – Ant 2B

																									Power			
Combination	PCC Band	PCC BW [MHz]	PCC UC [Ch.]	PCC Freq. [MHz]	Mod.	PCC UL RB	PCC OFDM Spts	PCC DC Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SBB Band	SBB SCW [MHz]	SBB DC Ch.	SBB (DL) Freq. [MHz]	DL Ant. Config.	SBB Band	SBB SCW [MHz]	SBB DC Ch.	SBB (DL) Freq. [MHz]	DL Ant. Config.	SBB Band	SBB SCW [MHz]	SBB DC Ch.	SBB (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx Power With DCA (dBm)	LTE Single Carrier Tx Power (dBm)	
CA [2A]-4A	LT E84	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.23	14.30
CA [2A]-4A-1	LT E84	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.25	14.30
CA [2A]-4A-2A(1)	LT E84	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.26	14.30
CA [4A]-12A-12	LT E84	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.26	14.30
CA [4E]-17A	LT E84	10	20350	1750	QPSK	1	0	2350	2150	4x4 MIMO	LTE B17	10	5790	740	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.24	14.30
CA [4A]-29A	LT E84	10	20350	1750	QPSK	1	0	2350	2150	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.25	14.30
CA [4A]-46A	LT E84	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.22	14.30
CA [2A]-2A-4A	LT E84	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	14.22	14.30
CA [2A]-4A-1A	LT E84	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B2	20	2050	2120	2x2 MIMO	LTE B2	20	2050	2120	2x2 MIMO	-	-	-	-	-	-	14.22	14.30
CA [2A]-4A-1A	LT E84	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B2	20	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	14.21	14.30
CA [2A]-4A-5A	LT E84	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	14.22	14.30
CA [2A]-4A-5A	LT E84	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	14.26	14.30
CA [2A]-4A-12A	LT E84	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	14.22	14.30
CA [2A]-4A-12A	LT E84	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	14.26	14.30
CA [2A]-4A-13A	LT E84	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	14.29	14.30
CA [2A]-4A-13A	LT E84	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	14.21	14.30
CA [2A]-4A-13A	LT E84	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	14.25	14.30
CA [2A]-4A-29A	LT E84	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	14.26	14.30
CA [2A]-4A-29A	LT E84	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	14.27	14.30
CA [2A]-4A-30A	LT E84	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	14.22	14.30
CA [2A]-4A-30A	LT E84	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	14.26	14.30
CA [2A]-4A-30A	LT E84	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	-	14.23	14.30
CA [2A]-4A-73A	LT E84	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B73	20	86761	634.5	2x2 MIMO	-	-	-	-	-	-	14.21	14.30
CA [2A]-4A-73A	LT E84	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B73	20	86761	634.5	2x2 MIMO	-	-	-	-	-	-	14.29	14.30
CA [4A]-4A-5A	LT E84	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B4	20	2050	2120	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	14.26	14.30
CA [4A]-4A-5A	LT E84	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B4	20	2050	2120	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	14.24	14.30
CA [4A]-4A-7A(1)	LT E84	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B4	20	2050	2120	2x2 MIMO	LTE B7	20	3100	2655	2x2 MIMO	-	-	-	-	-	-	14.30	14.30
CA [4A]-4A-7A(1)	LT E84	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B4	20	2050	2120	4x4 MIMO	LTE B7	20	3100	2655	2x2 MIMO	-	-	-	-	-	-	14.30	14.30
CA [4A]-7A-7A	LT E84	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	LTE B7	20	2850	2630	2x2 MIMO	-	-	-	-	-	-	14.28	14.30
CA [4A]-4A-12A	LT E84	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B4	20	2050	2120	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	14.24	14.30
CA [4A]-4A-12A	LT E84	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B4	20	2050	2120	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	14.26	14.30
CA [4A]-4A-13A	LT E84	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B4	20	2050	2120	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	14.26	14.30
CA [4A]-4A-13A	LT E84	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B4	20	2050	2120	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	14.22	14.30
CA [4A]-4A-29A	LT E84	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B4	20	2050	2120	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	14.26	14.30
CA [4A]-4A-29A	LT E84	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B4	20	2050	2120	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	14.27	14.30
CA [4A]-4A-30A	LT E84	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B4	20	2050	2120	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	14.29	14.30
CA [4A]-4A-30A	LT E84	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B4	20	2050	2120	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	14.21	14.30
CA [4A]-46A	LT E84	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5537.7	2x2 MIMO	-	-	-	-	-	-	14.21	14.30
CA [4A]-4A-73A	LT E84	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B4	20	2050	2120	2x2 MIMO	LTE B73	20	86761	634.5	2x2 MIMO	-	-	-	-	-	-	14.21	14.30
CA [4A]-7A-7A	LT E84	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B4	20	2050	2120	4x4 MIMO	LTE B73	20	86761	634.5	2x2 MIMO	-	-	-	-	-	-	14.24	14.30
CA [4A]-5A-30A	LT E84	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	-	14.22	14.30
CA [4A]-7A-12A(1)	LT E84	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	14.25	14.30
CA [4A]-7A-12A(1)	LT E84	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B7	20	3100	2655	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	14.25	14.30
CA [4A]-29A-30A	LT E84	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	-	14.23	14.30
CA [2A]-4A-5B	LT E84	20	20300	1745	QPSK	1	99	2300	2145	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	-	14.22	14.30
CA [2A]-4A-1B	LT E84	20	20300	1745	QPSK	1	99	2300	2145	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	-	14.25	14.30
CA [2A]-4A-12B	LT E84	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B12	5	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	-	14.26	14.30
CA [4A]-4A-12B	LT E84	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B4	20	2050	2120	2x2 MIMO	LTE B12	5	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	-	14.28	14.30
CA [4A]-4A-5B	LT E84	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B4	20	2050	2120	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	-	14.28	14.30
CA [4A]-4A-5B	LT E84	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B4	20	2050	2120	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	-	14.26	14.30
CA [4A]-4A-12B	LT E84	20	20300	1745	QPSK	1	99	2300																				

FCC ID: BCGA2013

Test Dates:

08/08/18 - 09/03/18



SAR EVALUATION REPORT

DUT Type:

Tablet Device

Reviewed by:

Quality Manager

APPENDIX H:

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Table 67
Output Powers – Ant 4A

Combination	PCC Band	PCC BW [MHz]	PCC (UL) Freq. [MHz]	PCC				DL Ant. Config.	SCC Band	SCC 1				SCC 2				SCC 3				LTE Tx Power with DL CA (dBm)	LTE Single Carrier Tx Power (dBm)				
				Mod.	PCC UL RB	PCC UL RB Offset	PCC (DL) Ch.			PCC (DL) Freq. [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 [2A]-4A	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	-	-	-	-	-	-	-	14.89	15.00			
CA 2A-[4A]	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	14.94	15.00			
CA [4A]-[12A](1)	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	14.97	15.00			
CA [4A]-[12A](2)	LTE B4	10	20000	1715	QPSK	1	49	2000	2115	4x4 MIMO	LTE B17	10	5790	740	2x2 MIMO	-	-	-	-	-	-	-	14.97	14.95			
CA [4A]-29A	LTE B4	10	20000	1715	QPSK	1	49	2000	2115	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	14.91	14.95			
CA [4A]-46A	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	-	14.99	15.00			
CA [2A]-2A-4A	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	15.00	15.00		
CA 2A-[4A]-4A	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B4	20	2050	2120	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	14.96	15.00		
CA 2A-[4A]-4A	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B4	20	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	14.95	15.00		
CA [2A]-4A-5A	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	14.95	15.00		
CA 2A-[4A]-5A	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	14.98	15.00		
CA [2A]-4A-12A	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	14.98	15.00		
CA 2A-[4A]-12A	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	14.93	15.00		
CA [2A]-4A-13A	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	14.93	15.00		
CA 2A-[4A]-13A	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	14.94	15.00		
CA [2A]-4A-29A	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	14.94	15.00		
CA 2A-[4A]-29A	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	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	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	14.99	15.00		
CA 2A-[4A]-30A	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	14.98	15.00		
CA [4A]-4A-71A	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	14.97	15.00		
CA 2A-[4A]-71A	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	14.96	15.00		
CA [4A]-4A-5A	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B4	20	2050	2120	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	15.00	15.00		
CA [4A]-4A-5A	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B4	20	2050	2120	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	15.00	15.00		
CA [4A]-4A-71A (1)	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B4	20	2050	2120	2x2 MIMO	LTE B7	20	3100	2655	2x2 MIMO	-	-	-	15.00	15.00		
CA [4A]-4A-71A (1)	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B4	20	2050	2120	4x4 MIMO	LTE B7	20	3100	2655	2x2 MIMO	-	-	-	15.00	15.00		
CA 4A-[7A]-7A	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	LTE B7	20	2850	2630	2x2 MIMO	-	-	-	15.00	15.00		
CA [4A]-4A-12A	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B4	20	2050	2120	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	14.98	15.00		
CA [4A]-4A-12A	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B4	20	2050	2120	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	14.94	15.00		
CA [4A]-4A-13A	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B4	20	2050	2120	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	15.00	15.00		
CA [4A]-4A-13A	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B4	20	2050	2120	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	15.00	15.00		
CA [4A]-4A-29A	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B4	20	2050	2120	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	14.98	15.00		
CA [4A]-4A-30A	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B4	20	2050	2120	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	14.99	15.00		
CA 4A-[4A]-30A	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B4	20	2050	2120	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	14.97	15.00		
CA [4A]-4A-6C	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	-	-	-	14.98	15.00		
CA [4A]-4A-71A	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B4	20	2050	2120	2x2 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	15.00	15.00		
CA [4A]-4A-71A	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B4	20	2050	2120	4x4 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	14.98	15.00		
CA 4A-5A-[30A]	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B4	20	2050	2120	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	14.97	15.00		
CA 4A-[7A]-[12A] (1)	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	15.00	15.00		
CA 4A-[12A]-[30A]	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	14.93	15.00		
CA 4A-29A-[30A]	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	14.97	15.00		
CA [2A]-4A-5B	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	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	14.98	15.00
CA 2A-[4A]-12B	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 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	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B12	5	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	14.97	15.00
CA [4A]-4A-5B	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B4	20	2050	2120	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	14.94	15.00
CA [4A]-4A-5B	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B4	20	2050	2120	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	14.97	15.00
CA [4A]-4A-12B	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B4	20	2050	2120	2x2 MIMO	LTE B12	5	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	14.99	15.00
CA [4A]-4A-12B	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B4	20	2050	2120	4x4 MIMO	LTE B12	5	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	15.00	15.00
CA [4A]-4A-6D	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	LTE B46	20	50863	5557.3	2x2 MIMO	14.96	15.00

Table 68
Output Powers – Ant 4B

PCC																			SCC 1				SCC 2				SCC 3				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC 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 Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC Freq. [MHz]	DL Ant. Config.	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)					
CA [2A]-4A	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.48	14.47				
CA 2A-[4A]	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.41	14.47				
CA [4A]-[12A](1)	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.43	14.47				
CA [4A]-[12A](2)	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.43	14.47				
CA [4A]-17A	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	4x4 MIMO	LTE B17	10	5790	740	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.41	14.47				
CA [4A]-29A	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.44	14.47				
CA [4A]-46A	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.44	14.47				
CA [2A]-2A-4A	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	-	-	14.46	14.47			
CA 2A-[4A]-4A	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	14.41	14.47			
CA 2A-[4A]-5A	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	14.50	14.47			
CA 2A-[4A]-5A	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	14.47	14.47			
CA 2A-[4A]-5A	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	14.38	14.47			
CA 2A-[4A]-12A	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	4x4 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	14.42	14.47			
CA 2A-[4A]-12A	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	14.40	14.47			
CA [2A]-4A-13A	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	-	14.49	14.47			
CA 2A-[4A]-13A	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	-	14.45	14.47			
CA 2A-[4A]-29A	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	14.49	14.47			
CA 2A-[4A]-29A	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	14.41	14.47			
CA 2A-[4A]-30A	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	-	14.48	14.47			
CA 2A-[4A]-30A	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	-	14.43	14.47			
CA 2A-[4A]-30A	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	-	-	14.42	14.47			
CA [2A]-[4A]-7A	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	-	-	14.49	14.47			
CA 2A-[4A]-7A	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	-	-	14.39	14.47			
CA [4A]-4A-5A	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	14.44	14.47			
CA [4A]-4A-5A	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	14.47	14.47			
CA [4A]-[4A]-7A(1)	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B7	10	3100	2655	2x2 MIMO	-	-	-	-	-	-	-	14.39	14.47			
CA [4A]-[4A]-7A(1)	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B7	10	3100	2655	2x2 MIMO	-	-	-	-	-	-	-	14.41	14.47			
CA 4A-[7A]-7A	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	LTE B7	20	2059	2630	2x2 MIMO	-	-	-	-	-	-	-	14.42	14.47			
CA [4A]-4A-12A	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	14.43	14.47			
CA [4A]-4A-12A	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	14.46	14.47			
CA [4A]-4A-13A	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	-	14.46	14.47			
CA [4A]-4A-13A	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	-	14.43	14.47			
CA [4A]-4A-29A	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	14.44	14.47			
CA [4A]-4A-29A	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	14.47	14.47			
CA [4A]-4A-30A	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	-	14.43	14.47			
CA [4A]-4A-30A	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	-	14.43	14.47			
CA [4A]-46C	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5537.7	2x2 MIMO	-	-	-	-	-	-	-	14.42	14.47			
CA [4A]-[4A]-7A	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	-	-	14.47	14.47			
CA [4A]-[4A]-7A	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	-	-	14.48	14.47			
CA 2A-[4A]-30A	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	-	-	14.47	14.47			
CA 4A-[12A]-12A(1)	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	14.41	14.47			
CA 4A-[12A]-12A(1)	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	-	-	14.47	14.47			
CA 4A-[12A]-12A(1)	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	-	-	14.47	14.47			
CA 4A-[2A]-30A	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	-	-	14.48	14.47			
CA [2A]-4A-5B	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	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	14.48	14.47					
CA 2A-[4A]-12B	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	5	2525	881.5	2x2 MIMO	LTE B12	5	2453	732.7	2x2 MIMO	14.46	14.47					
CA 2A-[4A]-12B	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	5	2525	881.5	2x2 MIMO	LTE B12	5	2453	732.7	2x2 MIMO	14.47	14.47					
CA [4A]-4A-5B	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	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	14.44	14.47					
CA [4A]-4A-5B	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	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	14.45	14.47					
CA [4A]-[4A]-12B	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B12	5	2525														

LTE Band 66 as PCC

Table 69
Output Powers – Ant 2A

[illegible]

FCC ID: BCGA2013	 SAR EVALUATION REPORT	Reviewed by: Quality Manager
Test Dates: 08/08/18 - 09/03/18	DUT Type: Tablet Device	APPENDIX H: Page 24 of 38

Output Powers – Ant 2B

Combination		PCB Band	PCB BW [MHz]	PCU Ch.	PCU (UL)		Mod.	PCU UL#	RB	PCU RB	PCU (DL)		DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC 1		DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC 2		DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC 3		DL Ant. Config.	LTE Tx Power with DCA Enabled (dBm)	LTE Single Carrier Power (dBm)		
					PCU (UL) Freq [MHz]	PCU (UL) Ch.					PCU (DL) Freq [MHz]	PCU (DL) Ch.				SCC 1 Freq [MHz]	SCC 1 Ch.				SCC 2 Freq [MHz]	SCC 2 Ch.				SCC 3 Freq [MHz]	SCC 3 Ch.					
CA [2A]-66A	LTE B66	20	132572	1770	QPSK	1	99	67036	2170	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.25	14.30		
CA [2A]-66A	LTE B66	20	132572	1770	QPSK	1	99	67036	2170	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.25	14.30	
CA [7A]-66A	LTE B66	20	132572	1770	QPSK	1	99	67036	2170	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.30	14.30	
CA [7A]-66A	LTE B66	20	132572	1770	QPSK	1	99	67036	2170	4x4 MIMO	LTE B7	20	3100	2655	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.30	14.30	
CA [12A]-66A	LTE B66	20	132572	1770	QPSK	1	99	67036	2170	2x2 MIMO	LTE B12	20	900	1960	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.30	14.30	
CA [12A]-66A	LTE B66	20	132572	1770	QPSK	1	99	67036	2170	4x4 MIMO	LTE B12	20	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.28	14.30	
CA [2A]-21A-66A	LTE B66	20	132572	1770	QPSK	1	99	67036	2170	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.30	14.30
CA [2C]-66A	LTE B66	20	132572	1770	QPSK	1	99	67036	2170	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	702	1940.2	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.28	14.30
CA [3C]-66A	LTE B66	20	132572	1770	QPSK	1	99	67036	2170	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B2	20	702	1940.2	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.28	14.30
CA [2A]-16A-66A	LTE B66	20	132572	1770	QPSK	1	99	67036	2170	4x4 MIMO	LTE B6	20	900	1960	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.30	14.30
CA [2A]-66C	LTE B66	20	132572	1770	QPSK	1	99	67036	2170	4x4 MIMO	LTE B66	20	66838	2150.2	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.27	14.30
CA [2A]-66A-66A	LTE B66	20	132572	1770	QPSK	1	99	67036	2170	4x4 MIMO	LTE B66	20	66536	2120	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.26	14.30
CA [2A]-66A-66A	LTE B66	20	132572	1770	QPSK	1	99	67036	2170	2x2 MIMO	LTE B66	20	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.27	14.30
CA [2A]-5A-66A	LTE B66	20	132572	1770	QPSK	1	99	67036	2170	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.28	14.30
CA [2A]-5A-66A	LTE B66	20	132572	1770	QPSK	1	99	67036	2170	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.28	14.30
CA [2A]-12A-66A	LTE B66	20	132572	1770	QPSK	1	99	67036	2170	2x2 MIMO	LTE B12	20	900	1960	4x4 MIMO	LTE B12	20	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.30	14.30
CA [2A]-12A-66A	LTE B66	20	132572	1770	QPSK	1	99	67036	2170	4x4 MIMO	LTE B12	20	5095	737.5	2x2 MIMO	LTE B12	20	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.27	14.30
CA [2A]-13A-66A	LTE B66	20	132572	1770	QPSK	1	99	67036	2170	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B13	10	5330	751	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.28	14.30
CA [2A]-13A-66A	LTE B66	20	132572	1770	QPSK	1	99	67036	2170	4x4 MIMO	LTE B13	10	5330	751	2x2 MIMO	LTE B13	10	5330	751	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.28	14.30
CA [2A]-14A-66A	LTE B66	20	132572	1770	QPSK	1	99	67036	2170	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.28	14.30
CA [2A]-14A-66A	LTE B66	20	132572	1770	QPSK	1	99	67036	2170	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.29	14.30
CA [2A]-20A-66A	LTE B66	20	132572	1770	QPSK	1	99	67036	2170	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B20	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.29	14.30
CA [2A]-20A-66A	LTE B66	20	132572	1770	QPSK	1	99	67036	2170	4x4 MIMO	LTE B20	10	9715	722.5	2x2 MIMO	LTE B20	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.29	14.30
CA [2A]-30A-66A	LTE B66	20	132572	1770	QPSK	1	99	67036	2170	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.25	14.30
CA [2A]-30A-66A	LTE B66	20	132572	1770	QPSK	1	99	67036	2170	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.27	14.30
CA [2A]-30A-66A	LTE B66	20	132572	1770	QPSK	1	99	67036	2170	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.27	14.30
CA [2A]-46A-66A	LTE B66	20	132572	1770	QPSK	1	99	67036	2170	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.28	14.30
CA [2A]-66A-66C	LTE B66	20	132572	1770	QPSK	1	99	67036	2170	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.29	14.30
CA [2A]-66A-71A	LTE B66	20	132572	1770	QPSK	1	99	67036	2170	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	68761	634.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.27	14.30
CA [2A]-66A-71A	LTE B66	20	132572	1770	QPSK	1	99	67036	2170	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.25	14.30
CA [5A]-66B	LTE B66	10	132622	1775	QPSK	1	0	67086	2175	4x4 MIMO	LTE B66	10	66987	2165.1	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.29	14.30
CA [5A]-66B	LTE B66	10	132622	1775	QPSK	1	0	67086	2175	2x2 MIMO	LTE B66	10	66987	2165.1	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.29	14.30
CA [5A]-66A-66A	LTE B66	20	132572	1770	QPSK	1	99	67036	2170	4x4 MIMO	LTE B66	20	66536	2120	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.28	14.30
CA [5A]-66A-66A	LTE B66	20	132572	1770	QPSK	1	99	67036	2170	2x2 MIMO	LTE B66	20	66536	2120	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.29	14.30
CA [5A]-66A-66A	LTE B66	20	132572	1770	QPSK	1	99	67036	2170	2x2 MIMO	LTE B66	20	66536	2120	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.29	14.30
CA [5A]-66A-66A	LTE B66	20	132572	1770	QPSK	1	99	67036	2170	4x4 MIMO	LTE B66	20	66838	2150.2	4x4 MIMO	LTE B13	10	5330	751	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.26	14.30
CA [5A]-66A-66A	LTE B66	20	132572	1770	QPSK	1	99	67036	2170	2x2 MIMO	LTE B66	20	66536	2120	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.29	14.30
CA [5A]-66A-66A	LTE B66	20	132572	1770	QPSK	1	99	67036	2170	4x4 MIMO	LTE B66	20	66838	2150.2	4x4 MIMO	LTE B13	10	5330	751	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.26	14.30
CA [13A]-66A	LTE B66	20	132572	1770	QPSK	1	99	67036	2170	4x4 MIMO	LTE B13	10	5330	751	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.28	14.30
CA [13A]-66A-66A	LTE B66	20	132572	1770	QPSK	1	99	67036	2170	4x4 MIMO	LTE B13	10	5330	751	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.26	14.30
CA [13A]-66A-66A	LTE B66	20	132572	1770	QPSK	1	99	67036	2170	2x2 MIMO	LTE B66	20	66536	2120	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.27	14.30
CA [14A]-30A-66A	LTE B66	20	132572	1770	QPSK	1	99	67036	2170	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.25	14.30
CA [29A]-66A-66A	LTE B66	20	132572	1770	QPSK	1	99	67036	2170	4x4 MIMO	LTE B66	20	66536	2120	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.28	14.30
CA [29A]-66A-66A	LTE B66	20	132572	1770	QPSK	1	99	67036	2170	2x2 MIMO	LTE B66	20	66536	2120	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.28	14.30
CA [29A]-66A-66A	LTE B66	20	132572	1770	QPSK	1	99	67036	2170	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.29	14.30
CA [30A]-66A-66A	LTE B66	20	132572	1770	QPSK	1	99	67036	2170	2x2 MIMO	LTE B66	20	66536	2120	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	-	-				

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Table 71
Output Powers – Ant 4A

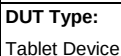
Combination	PCC Band	PCC BW [MHz]	PCC [UL] Ch.	PCC [UL] Freq. [MHz]	Mod.	PCC Upl. n	PCC UL off offset	PCC [DL] Ch.	PCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	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 CA (dBm)	LTE Single Carrier Tx Power (dBm)			
CA [2A]-66A	LTE B66	20	133322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.97	15.00		
CA [2A]-66A	LTE B66	20	133322	1745	QPSK	1	99	66786	2145	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.96	15.00	
CA [2A]-66A	LTE B66	20	133322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.97	15.00	
CA [7A]-66A	LTE B66	20	133322	1745	QPSK	1	99	66786	2145	4x4 MIMO	LTE B7	20	3100	2655	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.00	15.00	
CA [2A]-66A [1]	LTE B66	20	133322	1745	QPSK	1	99	66786	2145	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.95	15.00	
CA [2A]-66A [2]	LTE B66	20	133322	1745	QPSK	1	99	66786	2145	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.95	15.00	
CA [2A]-26A	LTE B66	20	133322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.99	15.00
CA [2A]-66A	LTE B66	20	133322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.99	15.00
CA [2C]-66A	LTE B66	20	133322	1745	QPSK	1	99	66786	2145	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B2	20	702	1940.2	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.98	15.00
CA [2A]-66B	LTE B66	15	130407	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B66	5	66604	2126.8	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.90	14.96
CA [2A]-66C	LTE B66	20	133322	1745	QPSK	1	99	66786	2145	4x4 MIMO	LTE B66	20	900	1960	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.97	15.00
CA [2A]-66A [66A]	LTE B66	20	133322	1745	QPSK	1	99	66786	2145	4x4 MIMO	LTE B66	20	900	1960	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.97	15.00
CA [2A]-66A [66A]	LTE B66	20	133322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B66	20	900	1960	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.97	15.00
CA [2A]-66A [66A]	LTE B66	20	133322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B66	20	900	1960	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.96	15.00
CA [2A]-5A [66A]	LTE B66	20	133322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	14.99	15.00
CA [2A]-5A [66A]	LTE B66	20	133322	1745	QPSK	1	99	66786	2145	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	15.00	15.00
CA [2A]-13A [66A]	LTE B66	20	133322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B13	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.99	15.00
CA [2A]-13A [66A]	LTE B66	20	133322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B13	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.99	15.00
CA [2A]-13A [66A]	LTE B66	20	133322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.99	15.00
CA [2A]-13A [66A]	LTE B66	20	133322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.99	15.00
CA [2A]-13A [66A]	LTE B66	20	133322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.99	15.00
CA [2A]-13A [66A]	LTE B66	20	133322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.99	15.00
CA [2A]-13A [66A]	LTE B66	20	133322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.99	15.00
CA [2A]-13A [66A]	LTE B66	20	133322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.99	15.00
CA [2A]-13A [66A]	LTE B66	20	133322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.99	15.00
CA [2A]-13A [66A]	LTE B66	20	133322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.99	15.00
CA [2A]-13A [66A]	LTE B66	20	133322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.99	15.00
CA [2A]-13A [66A]	LTE B66	20	133322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.99	15.00
CA [2A]-13A [66A]	LTE B66	20	133322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.99	15.00
CA [2A]-13A [66A]	LTE B66	20	133322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.99	15.00
CA [2A]-13A [66A]	LTE B66	20	133322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.99	15.00
CA [2A]-13A [66A]	LTE B66	20	133322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.99	15.00
CA [2A]-13A [66A]	LTE B66	20	133322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.99	15.00
CA [2A]-13A [66A]	LTE B66	20	133322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.99	15.00
CA [2A]-13A [66A]	LTE B66	20	133322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.99	15.00
CA [2A]-13A [66A]	LTE B66	20	133322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.99	15.00
CA [2A]-13A [66A]	LTE B66	20	133322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.99	15.00
CA [2A]-13A [66A]	LTE B66	20	133322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.99	15.00
CA [2A]-13A [66A]	LTE B66	20	133322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.99	15.00
CA [2A]-13A [66A]	LTE B66	20	133322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.99	15.00
CA [2A]-13A [66A]	LTE B66	20	133322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.99	15.00
CA [2A]-13A [66A]	LTE B66	20	133322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.99	15.00
CA [2A]-13A [66A]	LTE B66	20	133322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.99	15.00
CA [2A]-13A [66A]	LTE B66	20	133322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-</									

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Table 72
Output Powers – Ant 4B

																				Power							
Combination	PCC Band	PCC BW [MHz]	PCC [U] Ch.	PCC [U] Freq. [MHz]	Mod.	PCC Uls RB	PCC ULs RB Offset	PCC [D] Ch.	PCC [D] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC 1				SCC 2				SCC 3				LTE TxPower with DC (dBm)	LTE Single Carrier TxPower (dBm)		
												SCC [D] Ch.	SCC [D] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [D] Ch.	SCC [D] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [D] Ch.	SCC [D] Freq. [MHz]			DL Ant. Config.	
CA [2A]-66A	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	900	1960	4x4 MIMO	14.44	14.47
CA [2A]-66A	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.44	14.47
CA [17A]-66A	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	2x2 MIMO	LTE B7	20	900	1960	4x4 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	900	1960	4x4 MIMO	14.44	14.47
CA [7A]-66A	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	4x4 MIMO	LTE B7	20	3100	2055	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.35	14.47
CA [2A]-66B (1)	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.43	14.47
CA [12A]-66A (2)	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.43	14.47
CA [2A]-2A-66A	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	14.44	14.47
CA [2C]-66A	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	702	1940.2	4x4 MIMO	-	-	-	-	-	14.43	14.47
CA [2A]-66A	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B2	20	702	1940.2	2x2 MIMO	-	-	-	-	-	14.43	14.47
CA [2A]-66B	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	4x4 MIMO	LTE B66	10	66585	2124.9	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.48	14.47
CA [2A]-66C	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	4x4 MIMO	LTE B66	20	66630	2129.4	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.47	14.47
CA [2A]-66A-66B	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.45	14.47
CA [2A]-5A-66A	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.45	14.47
CA [2A]-5A-66A	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.43	14.47
CA [2A]-5A-66A	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.48	14.47
CA [2A]-12A-66A	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.42	14.47
CA [2A]-12A-66A	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.47	14.47
CA [2A]-13A-66A	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B2	20	5230	751	2x2 MIMO	-	-	-	-	-	14.42	14.47
CA [2A]-13A-66A	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.46	14.47
CA [2A]-14A-66A	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	14.43	14.47
CA [2A]-14A-66A	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	14.46	14.47
CA [2A]-19A-66A	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.42	14.47
CA [2A]-29A-66A	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.45	14.47
CA [2A]-29A-66A	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.45	14.47
CA [2A]-30A-66A	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.43	14.47
CA [2A]-30A-66A	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.43	14.47
CA [2A]-30A-66A	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.45	14.47
CA [2A]-40A-66A	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B2	20	5065	5537.5	2x2 MIMO	-	-	-	-	-	14.43	14.47
CA [2A]-40A-66A	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.43	14.47
CA [2A]-66A-71A	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	14.42	14.47
CA [2A]-66A-71A	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	14.46	14.47
CA [2A]-66A-71A	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	4x4 MIMO	LTE B66	20	66630	2129.4	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.49	14.47
CA [2A]-66C	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	4x4 MIMO	LTE B66	20	66630	2129.4	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.49	14.47
CA [5A]-66A-66A	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.48	14.47
CA [5A]-66A-66A	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.48	14.47
CA [5A]-30A-66A	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.45	14.47
CA [12A]-66C	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	2x2 MIMO	LTE B66	20	66630	2129.4	4x4 MIMO	LTE B2	20	5230	751	2x2 MIMO	-	-	-	-	-	14.43	14.47
CA [12A]-66A-66A	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.46	14.47
CA [12A]-66A-66A	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.46	14.47
CA [13A]-66A-66A	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.43	14.47
CA [13A]-66A-66A	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B12	10	5230	751	2x2 MIMO	-	-	-	-	-	14.43	14.47
CA [13A]-66A-66A	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	2x2 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.45	14.47
CA [13A]-66A-66A	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	4x4 MIMO	LTE B66	10	66585	2124.9	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.43	14.47
CA [13A]-66C	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	4x4 MIMO	LTE B66	20	66630	2129.4	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.50	14.47
CA [13A]-66A-66A	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	4x4 MIMO	LTE B66	20	66630	2129.4	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.45	14.47
CA [13A]-66A-66A	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	2x2 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.45	14.47
CA [13A]-66A-66A	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.48	14.47
CA [14A]-66A-66A	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.41	14.47
CA [19A]-66A-66A	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.48	14.47
CA [29A]-66A-66A	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	2x2 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.42	14.47
CA [29A]-30A-66A	LTE B66	10	132022	1715	64QAM	1	0	664																			

Test Dates: 08/08/18 - 09/03/18



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Reviewed by:
Quality Manager

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LTE Band 2 as PCC

Table 73
Output Powers – Ant 2A

Combination	PCC Band	PCC BW [MHz]	PCC [UL] Ch.	PCC [UL] Freq. [MHz]	Mod.	PCC				DL Ant. Config.	SCC Band	SCC 1				DL Ant. Config.	SCC Band	SCC 2				DL Ant. Config.	SCC Band	SCC 3				DL Ant. Config.	LTE Tx Power with DL CA Enabled (dBm)	Power	LTE Single Carrier Tx Power (dBm)
						PCC UL RB	PCC UL RB Offset	PCC [DL] Ch.	PCC [DL] Freq. [MHz]			SCC [DL] Ch.	SCC [DL] Freq. [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]			SCC [DL] Ch.	SCC [DL] Freq. [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]										
CA [2A]-4A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	4A4 MIMO	LTE B4	20	2175	2132.5	2A2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	13.90	14.00		
CA [2A]-4A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2A2 MIMO	LTE B4	20	2175	2132.5	4A4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	13.91	14.00		
CA [2A]-12A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	4A4 MIMO	LTE B12	10	5095	737.5	2A2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	13.92	14.00		
CA [2A]-17A	LTE B2	10	18650	1855	QPSK	1	0	650	1935	4A4 MIMO	LTE B17	10	5790	740	2A2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	13.94	13.97		
CA [2A]-29A	LTE B2	10	18650	1855	QPSK	1	0	650	1935	4A4 MIMO	LTE B29	10	9715	722.5	2A2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	13.98	13.97		
CA [2A]-66A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	4A4 MIMO	LTE B66	20	66786	2145	2A2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	13.91	14.00		
CA [2A]-66A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2A2 MIMO	LTE B66	20	66786	2145	4A4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	13.92	14.00		
CA [2A]-2A-4A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	4A4 MIMO	LTE B2	20	700	1940	2A2 MIMO	LTE B4	20	2175	2132.5	2A2 MIMO	-	-	-	-	-	-	-	-	13.92	14.00	
CA [2A]-2A-4A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2A2 MIMO	LTE B2	20	700	1940	4A4 MIMO	LTE B4	20	2175	2132.5	2A2 MIMO	-	-	-	-	-	-	-	-	13.94	14.00	
CA [2A]-4A-4A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	4A4 MIMO	LTE B4	20	2175	2132.5	4A4 MIMO	LTE B4	10	2350	2150	2A2 MIMO	-	-	-	-	-	-	-	-	13.95	14.00	
CA [2A]-2A-5A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	4A4 MIMO	LTE B2	20	700	1940	2A2 MIMO	LTE B5	10	2525	881.5	2A2 MIMO	-	-	-	-	-	-	-	-	13.91	14.00	
CA [2A]-2A-5A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2A2 MIMO	LTE B2	20	700	1940	4A4 MIMO	LTE B5	10	2525	881.5	2A2 MIMO	-	-	-	-	-	-	-	-	13.91	14.00	
CA [2C]-5A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	4A4 MIMO	LTE B2	20	727	1942.7	4A4 MIMO	LTE B5	10	2525	881.5	2A2 MIMO	-	-	-	-	-	-	-	-	13.94	14.00	
CA [2A]-2A-12A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	4A4 MIMO	LTE B2	20	700	1940	2A2 MIMO	LTE B12	10	5095	737.5	2A2 MIMO	-	-	-	-	-	-	-	-	13.93	14.00	
CA [2A]-2A-12A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2A2 MIMO	LTE B2	20	700	1940	4A4 MIMO	LTE B12	10	5095	737.5	2A2 MIMO	-	-	-	-	-	-	-	-	13.92	14.00	
CA [2C]-12A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	4A4 MIMO	LTE B2	20	727	1942.7	4A4 MIMO	LTE B12	10	5095	737.5	2A2 MIMO	-	-	-	-	-	-	-	-	13.92	14.00	
CA [2A]-2A-13A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	4A4 MIMO	LTE B2	20	700	1940	2A2 MIMO	LTE B13	10	5230	751	2A2 MIMO	-	-	-	-	-	-	-	-	13.91	14.00	
CA [2A]-2A-13A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2A2 MIMO	LTE B2	20	700	1940	4A4 MIMO	LTE B13	10	5230	751	2A2 MIMO	-	-	-	-	-	-	-	-	13.93	14.00	
CA [2A]-2A-14A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	4A4 MIMO	LTE B2	20	700	1940	2A2 MIMO	LTE B14	10	5330	763	2A2 MIMO	-	-	-	-	-	-	-	-	13.91	14.00	
CA [2A]-2A-14A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2A2 MIMO	LTE B2	20	700	1940	4A4 MIMO	LTE B14	10	5330	763	2A2 MIMO	-	-	-	-	-	-	-	-	13.92	14.00	
CA [2A]-2A-29A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	4A4 MIMO	LTE B2	20	700	1940	2A2 MIMO	LTE B29	10	9715	722.5	2A2 MIMO	-	-	-	-	-	-	-	-	13.92	14.00	
CA [2A]-2A-29A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2A2 MIMO	LTE B2	20	700	1940	4A4 MIMO	LTE B29	10	9715	722.5	2A2 MIMO	-	-	-	-	-	-	-	-	13.93	14.00	
CA [2C]-29A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	4A4 MIMO	LTE B2	20	727	1942.7	4A4 MIMO	LTE B29	10	9715	722.5	2A2 MIMO	-	-	-	-	-	-	-	-	13.93	14.00	
CA [2A]-2A-30A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	4A4 MIMO	LTE B2	20	700	1940	2A2 MIMO	LTE B30	10	9820	2355	2A2 MIMO	-	-	-	-	-	-	-	-	13.91	14.00	
CA [2A]-2A-30A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2A2 MIMO	LTE B2	20	700	1940	4A4 MIMO	LTE B30	10	9820	2355	2A2 MIMO	-	-	-	-	-	-	-	-	13.91	14.00	
CA [2A]-2A-66A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	4A4 MIMO	LTE B2	20	700	1940	2A2 MIMO	LTE B66	20	66786	2145	2A2 MIMO	-	-	-	-	-	-	-	-	13.95	14.00	
CA [2A]-2A-66A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2A2 MIMO	LTE B2	20	700	1940	4A4 MIMO	LTE B66	20	66786	2145	2A2 MIMO	-	-	-	-	-	-	-	-	13.95	14.00	
CA [2C]-66A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	4A4 MIMO	LTE B2	20	727	1942.7	4A4 MIMO	LTE B66	20	66786	2145	2A2 MIMO	-	-	-	-	-	-	-	-	13.92	14.00	
CA [2C]-66A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2A2 MIMO	LTE B2	20	727	1942.7	2A2 MIMO	LTE B66	20	66786	2145	2A2 MIMO	-	-	-	-	-	-	-	-	13.96	14.00	
CA [2A]-66B	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2A2 MIMO	LTE B66	15	66786	2145	4A4 MIMO	LTE B66	5	66879	2154.3	4A4 MIMO	-	-	-	-	-	-	-	-	13.92	14.00	
CA [2A]-66C	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2A2 MIMO	LTE B66	20	66786	2145	4A4 MIMO	LTE B66	20	66984	2164.8	4A4 MIMO	-	-	-	-	-	-	-	-	13.97	14.00	
CA [2A]-66A-66A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2A2 MIMO	LTE B66	20	66786	2145	4A4 MIMO	LTE B66	20	67236	2190	2A2 MIMO	-	-	-	-	-	-	-	-	13.95	14.00	
CA [2A]-2A-71A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	4A4 MIMO	LTE B2	20	700	1940	2A2 MIMO	LTE B71	10	68761	634.5	2A2 MIMO	-	-	-	-	-	-	-	-	13.95	14.00	
CA [2A]-2A-71A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2A2 MIMO	LTE B2	20	700	1940	4A4 MIMO	LTE B71	10	68761	634.5	2A2 MIMO	-	-	-	-	-	-	-	-	13.95	14.00	
CA [2A]-4A-5A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	4A4 MIMO	LTE B4	20	2175	2132.5	2A2 MIMO	LTE B5	10	2525	881.5	2A2 MIMO	-	-	-	-	-	-	-	-	13.92	14.00	
CA [2A]-4A-5A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2A2 MIMO	LTE B4	20	2175	2132.5	4A4 MIMO	LTE B5	10	2525	881.5	2A2 MIMO	-	-	-	-	-	-	-	-	13.97	14.00	
CA [2A]-4A-12A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	4A4 MIMO	LTE B4	20	2175	2132.5	2A2 MIMO	LTE B12	10	5095	737.5	2A2 MIMO	-	-	-	-	-	-	-	-	13.90	14.00	
CA [2A]-4A-12A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2A2 MIMO	LTE B4	20	2175	2132.5	4A4 MIMO	LTE B12	10	5095	737.5	2A2 MIMO	-	-	-	-	-	-	-	-	13.98	14.00	
CA [2A]-4A-13A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	4A4 MIMO	LTE B4	20	2175	2132.5	2A2 MIMO	LTE B13	10	5230	751	2A2 MIMO	-	-	-	-	-	-	-	-	13.91	14.00	
CA [2A]-4A-13A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2A2 MIMO	LTE B4	20	2175	2132.5	4A4 MIMO	LTE B13	10	5230	751	2A2 MIMO	-	-	-	-	-	-	-	-	13.96	14.00	
CA [2A]-4A-29A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	4A4 MIMO	LTE B4	20	2175	2132.5	2A2 MIMO	LTE B29	10	9715	722.5	2A2 MIMO	-	-	-	-	-	-	-	-	13.90	14.00	
CA [2A]-4A-29A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2A2 MIMO	LTE B4	20	2175	2132.5	4A4 MIMO	LTE B29	10	9715	722.5	2A2 MIMO	-	-	-	-	-	-	-	-	13.93	14.00	
CA [2A]-4A-30A	LTE B2	20	18925	1882.5	QPSK	1	0	925																							

Table 74
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 DL CA [dBm]	LTE Single Carrier Tx Power [dBm]		
						PCC Upl. RB	PCC Upl. 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	20	18925	1882.5	QPSK	1	99	925	1862.5	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	13.69	13.70		
CA [2A]-4A	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	-	-	-	-	13.65	13.70		
CA [2A]-12A	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	4x4 MIMO	LTE B12	20	5095	5095	2x2 MIMO	-	-	-	-	-	-	-	-	-	13.67	13.70		
CA [2A]-17A	LTE B2	10	18650	1855	QPSK	1	0	650	1935	4x4 MIMO	LTE B17	10	5790	740	2x2 MIMO	-	-	-	-	-	-	-	-	-	13.69	13.67		
CA [2A]-29A	LTE B2	10	18650	1855	QPSK	1	0	650	1935	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	13.70	13.67		
CA [2A]-66A	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	-	-	-	13.67	13.70		
CA [2A]-66A	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	-	-	-	13.66	13.70		
CA [2A]-2A-4A	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	-	13.66	13.70
CA [2A]-2A-4A	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	-	13.67	13.70
CA [2A]-4A-4A	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	4x4 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	20	2150	2150	2x2 MIMO	-	-	-	-	-	-	13.69	13.70
CA [2A]-2A-5A	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	13.67	13.70
CA [2A]-2A-5A	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	13.66	13.70
CA [2C]-5A	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	4x4 MIMO	LTE B2	20	727	1942.7	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	13.66	13.70
CA [2A]-2A-12A	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B12	20	5095	737.5	2x2 MIMO	-	-	-	-	-	-	13.64	13.70
CA [2A]-2A-12A	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B12	20	5095	737.5	2x2 MIMO	-	-	-	-	-	-	13.67	13.70
CA [2A]-12A-12A	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	4x4 MIMO	LTE B12	20	727	1942.7	4x4 MIMO	LTE B12	20	5095	737.5	2x2 MIMO	-	-	-	-	-	-	13.68	13.70
CA [2A]-2A-13A	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B13	10	5330	751	2x2 MIMO	-	-	-	-	-	-	13.68	13.70
CA [2A]-2A-13A	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B13	10	5330	751	2x2 MIMO	-	-	-	-	-	-	13.65	13.70
CA [2A]-2A-14A	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	-	13.67	13.70
CA [2A]-2A-14A	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	-	13.69	13.70
CA [2A]-2A-29A	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	13.65	13.70
CA [2A]-2A-29A	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	13.66	13.70
CA [2C]-29A	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	4x4 MIMO	LTE B2	20	727	1942.7	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	13.68	13.70
CA [2C]-30A	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	4x4 MIMO	LTE B2	20	727	1942.7	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	13.67	13.70
CA [2A]-2A-30A	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	13.68	13.70
CA [2A]-2A-30A	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	13.68	13.70
CA [2A]-2A-46A	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	13.65	13.70
CA [2A]-2A-46A	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	13.69	13.70
CA [2A]-2A-66A	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	13.66	13.70
CA [2A]-2A-66A	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	13.67	13.70
CA [2C]-66A	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	4x4 MIMO	LTE B2	20	727	1942.7	4x4 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	13.70	13.70
CA [2A]-166B	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	4x4 MIMO	LTE B66	15	66786	2145	4x4 MIMO	LTE B66	5	66879	2154.3	4x4 MIMO	-	-	-	-	-	-	13.70	13.70
CA [2A]-166C	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	66884	2164.8	4x4 MIMO	-	-	-	-	-	-	13.64	13.70
CA [2A]-66A-66A	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2192.5	2x2 MIMO	-	-	-	-	-	-	13.68	13.70
CA [2A]-66A-66A	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	-	-	-	-	-	-	13.67	13.70
CA [2A]-66A-71A	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	4x4 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	68761	634.5	2x2 MIMO	-	-	-	-	-	-	13.65	13.70
CA [2A]-66A-71A	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	-	13.66	13.70
CA [2A]-2A-12B	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B12	5	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	13.68	13.70	
CA [2A]-2A-12B	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B12	5	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	13.65	13.70	
CA [2A]-2A-46B	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	13.64	13.70	
CA [2A]-2A-46B	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	13.67	13.70	
CA [2A]-46B	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50665	5517.7	2x2 MIMO	LTE B46	20	50663	5557.3	2x2 MIMO	13.67	13.70	
CA [2A]-2A-66B	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B66	15	66786	2145	2x2 MIMO	LTE B66	15	66879	2154.3	2x2 MIMO	13.61	13.70	
CA [2A]-2A-66B	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	2x2 MIMO	LTE B2	20																

Table 75
Output Powers – Ant 4A

																									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 [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]-5A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	15.29	15.28	
CA [2A]-14A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	15.21	15.28	
CA [2A]-12A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	15.26	15.28	
CA [2A]-17A	LTE B2	10	19150	1905	QPSK	1	0	1150	1985	4x4 MIMO	LTE B17	10	5790	740	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	15.27	15.22	
CA [2A]-29A	LTE B2	10	19150	1905	QPSK	1	0	1150	1985	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	15.21	15.22	
CA [2A]-16A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B6	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	15.25	15.28	
CA [2A]-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	15.16	15.28	
CA [2A]-2A-4A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	-	-	15.27	15.28
CA [2A]-2A-4A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	-	-	15.24	15.28
CA [2A]-4A-4A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	20	2350	2150	2x2 MIMO	-	-	-	-	-	-	-	15.22	15.28
CA [2A]-2A-5A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	15.24	15.28
CA [2A]-2A-5A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	15.26	15.28
CA [2C]-5A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B2	20	898	1959.8	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	15.21	15.28
CA [2A]-12A-12A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	15.26	15.28
CA [2A]-12A-12A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	15.22	15.28
CA [2A]-12A-13A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	-	15.29	15.28
CA [2A]-12A-13A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	-	15.21	15.28
CA [2A]-12A-14A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	-	-	15.25	15.28
CA [2A]-2A-14A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	-	-	15.20	15.28
CA [2A]-2A-29A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	15.25	15.28
CA [2A]-2A-29A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	15.19	15.28
CA [2C]-29A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B2	20	898	1959.8	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	15.17	15.28
CA [2C]-30A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B2	20	898	1959.8	4x4 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	-	-	15.22	15.28
CA [2A]-2A-30A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	-	15.22	15.28
CA [2A]-2A-30A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	-	-	15.25	15.28
CA [2A]-2A-46A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	-	15.24	15.28
CA [2A]-2A-46A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	-	15.26	15.28
CA [2A]-2A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	-	15.26	15.28
CA [2A]-2A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	-	15.25	15.28
CA [2C]-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B2	20	898	1959.8	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	-	15.26	15.28
CA [2C]-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B2	20	898	1959.8	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	-	15.30	15.28
CA [2A]-66B	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B66	15	66786	2145	4x4 MIMO	LTE B66	5	66879	2154.3	4x4 MIMO	-	-	-	-	-	-	-	15.23	15.28
CA [2A]-66C	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	66984	2164.8	4x4 MIMO	-	-	-	-	-	-	-	15.22	15.28
CA [2A]-66A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	-	-	-	-	-	-	-	15.22	15.28
CA [2A]-66A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	-	-	-	-	-	-	-	15.22	15.28
CA [2A]-2A-71A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	-	-	15.21	15.28
CA [2A]-2A-71A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	-	-	15.24	15.28
CA [2A]-4A-5A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	15.22	15.28
CA [2A]-4A-5A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	15.21	15.28
CA [2A]-4A-12A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	15.23	15.28
CA [2A]-4A-12A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	15.22	15.28
CA [2A]-4A-13A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	-	15.27	15.28
CA [2A]-4A-13A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	-	15.24	15.28
CA [2A]-4A-29A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	15.21	15.28
CA [2A]-4A-29A	LTE B2	20	18700	1860	QPSK																								

Table 76
Output Powers – Ant 4B

Combination	PCC Band	PCC BW [MHz]	PCC [UL] Ch.	PCC [UL] Freq. [MHz]	Mod.	PCC UL#	PCC UL 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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [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 [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]
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1.4.12 LTE Band 25 as PCC

Table 77
Output Powers – Ant 2A

Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC								SCC 1				SCC 2				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.	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	-	-	-	-	-	13.94	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	-	-	-	-	-	13.96	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	13.98	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	13.96	14.00

Table 78
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	20	26365	1882.5	QPSK	1	99	8365	1962.5	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	13.66	13.70
CA [25A]-26A	LTE B25	20	26365	1882.5	QPSK	1	99	8365	1962.5	4x4 MIMO	LTE B26	10	8865	876.5	2x2 MIMO	-	-	-	-	-	13.67	13.70
CA [25A]-25A-26A	LTE B25	20	26365	1882.5	QPSK	1	99	8365	1962.5	4x4 MIMO	LTE B25	20	8140	1940	2x2 MIMO	LTE B26	5	8865	876.5	2x2 MIMO	13.68	13.70
CA [25A]-25A-26A	LTE B25	20	26365	1882.5	QPSK	1	99	8365	1962.5	2x2 MIMO	LTE B25	20	8140	1940	4x4 MIMO	LTE B26	5	8865	876.5	2x2 MIMO	13.69	13.70

Table 79
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	QPSK	1	0	8140	1940	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	15.27	15.28
CA [25A]-26A	LTE B25	20	26140	1860	QPSK	1	0	8140	1940	4x4 MIMO	LTE B26	10	8865	876.5	2x2 MIMO	-	-	-	-	-	15.21	15.28
CA [25A]-25A-26A	LTE B25	20	26140	1860	QPSK	1	0	8140	1940	4x4 MIMO	LTE B25	20	8590	1985	2x2 MIMO	LTE B26	5	8865	876.5	2x2 MIMO	15.26	15.28
CA [25A]-25A-26A	LTE B25	20	26140	1860	QPSK	1	0	8140	1940	2x2 MIMO	LTE B25	20	8590	1985	4x4 MIMO	LTE B26	5	8865	876.5	2x2 MIMO	15.27	15.28

Table 80
Output Powers – Ant 4B

	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 5A-[25A]	LTE B25	15	26365	1882.5	QPSK	1	74	8365	1962.5	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	14.19	14.19
CA [25A]-26A	LTE B25	15	26365	1882.5	QPSK	1	74	8365	1962.5	4x4 MIMO	LTE B26	10	8865	876.5	2x2 MIMO	-	-	-	-	-	-	14.13	14.19
CA [25A]-25A-26A	LTE B25	15	26365	1882.5	QPSK	1	74	8365	1962.5	4x4 MIMO	LTE B25	20	8140	1940	2x2 MIMO	LTE B26	5	8865	876.5	2x2 MIMO	-	14.19	14.19
CA [25A]-25A-26A	LTE B25	15	26365	1882.5	QPSK	1	74	8365	1962.5	2x2 MIMO	LTE B25	20	8140	1940	4x4 MIMO	LTE B26	5	8865	876.5	2x2 MIMO	-	14.20	14.19

1.4.13 LTE Band 30 as PCC

Table 81
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	5	27710	2310	16QAM	1	24	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	702	1940.2	4x4 MIMO	-	-	-	-	-	12.43	12.60
CA 2C-[30A]	LTE B30	5	27710	2310	16QAM	1	24	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B2	20	702	1940.2	2x2 MIMO	-	-	-	-	-	12.51	12.60
CA [2A]-2A-30A	LTE B30	5	27710	2310	16QAM	1	24	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	702	1940	2x2 MIMO	-	-	-	-	-	12.47	12.60
CA [2A]-4A-30A	LTE B30	5	27710	2310	16QAM	1	24	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	12.47	12.60
CA 2A-4A-[30A]	LTE B30	5	27710	2310	16QAM	1	24	9820	2355	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	12.47	12.60
CA 2A-4A-[30A]	LTE B30	5	27710	2310	16QAM	1	24	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	12.54	12.60
CA 2A-5A-[30A]	LTE B30	5	27710	2310	16QAM	1	24	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	12.53	12.60
CA 2A-12A-[30A]	LTE B30	5	27710	2310	16QAM	1	24	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	12.55	12.60
CA 2A-14A-[30A]	LTE B30	5	27710	2310	16QAM	1	24	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	12.56	12.60
CA 2A-29A-[30A]	LTE B30	5	27710	2310	16QAM	1	24	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	12.53	12.60
CA [2A]-30A-66A	LTE B30	5	27710	2310	16QAM	1	24	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	12.49	12.60
CA 2A-[30A]-66A	LTE B30	5	27710	2310	16QAM	1	24	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	12.57	12.60
CA 2A-30A-[66A]	LTE B30	5	27710	2310	16QAM	1	24	9820	2355	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	12.52	12.60
CA [4A]-4A-30A	LTE B30	5	27710	2310	16QAM	1	24	9820	2355	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	12.53	12.60
CA 4A-5A-[30A]	LTE B30	5	27710	2310	16QAM	1	24	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	5	27710	2310	16QAM	1	24	9820	2355	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	12.57	12.60
CA 4A-29A-[30A]	LTE B30	5	27710	2310	16QAM	1	24	9820	2355	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	12.55	12.60
CA 5A-[30A]-66A	LTE B30	5	27710	2310	16QAM	1	24	9820	2355	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	12.51	12.60
CA 12A-[30A]-66A	LTE B30	5	27710	2310	16QAM	1	24	9820	2355	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	12.54	12.60
CA 14A-[30A]-66A	LTE B30	5	27710	2310	16QAM	1	24	9820	2355	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	12.56	12.60
CA 29A-[30A]-66A	LTE B30	5	27710	2310	16QAM	1	24	9820	2355	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	12.53	12.60
CA 30A-[66A]-66A	LTE B30	5	27710	2310	16QAM	1	24	9820	2355	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	-	-	-	-	-	12.45	12.60
CA 2A-5B-[30A]	LTE B30	5	27710	2310	16QAM	1	24	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	12.51	12.60
CA 5B-[30A]-66A	LTE B30	5	27710	2310	16QAM	1	24	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	12.56	12.60

FCC ID: BCGA2013		SAR EVALUATION REPORT	Reviewed by: Quality Manager
Test Dates: 08/08/18 - 09/03/18	DUT Type: Tablet Device		APPENDIX H: Page 32 of 38

Table 82
Output Powers – Ant 2B

Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	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)		
					Mod.	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 2C1-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	702	1940.2	4x4 MIMO	-	-	-	-	12.77	12.86	
CA 2C1-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B2	20	702	1940.2	2x2 MIMO	-	-	-	-	12.80	12.86	
CA 2A1-2A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	12.83	12.86	
CA 2A1-4A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	12.82	12.86	
CA 2A1-4A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	12.81	12.86	
CA 2A-4A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	12.79	12.86	
CA 2A-5A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	12.81	12.86	
CA 2A-12A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	12.85	12.86	
CA 2A-14A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	12.81	12.86	
CA 2A-29A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	12.83	12.86	
CA 2A1-30A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	12.84	12.86	
CA 2A1-30A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	12.78	12.86	
CA 2A-30A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	12.86	12.86	
CA 1A1-4A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	12.85	12.86	
CA 4A-5A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	12.82	12.86	
CA 4A-12A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	12.81	12.86	
CA 4A-29A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	12.84	12.86	
CA 5A1-30A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	12.81	12.86	
CA 12A-30A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	12.83	12.86	
CA 14A-30A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	12.84	12.86	
CA 29A-30A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	12.86	12.86	
CA 30A-66A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	-	-	-	-	12.85	12.86	
CA 2A-5A-30A	LTE B30	10	27710	2310	QPSK	1	0	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	12.84	12.86
CA 5A-30A-66A	LTE B30	10	27710	2310	QPSK	1	0	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	12.83	12.86

Table 83
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 2C1-30A	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	-	-	-	-	-	-	-	-	-	-	-	-	13.48	13.45		
CA 2C1-30A	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	-	-	-	-	-	-	-	-	-	-	-	-	-	13.40	13.45	
CA 2A1-2A-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	-	-	-	-	-	-	-	-	-	-	-	-	-	13.46	13.45	
CA 2A1-4A-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	-	-	-	-	-	-	-	-	-	-	-	-	-	13.45	13.45	
CA 2A1-4A-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	-	-	-	-	-	-	-	-	-	-	-	-	-	13.49	13.45	
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	-	-	-	-	-	-	-	-	-	-	-	-	-	13.45	13.45	
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	-	-	-	-	-	-	-	-	-	-	-	-	-	13.44	13.45	
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	-	-	-	-	-	-	-	-	-	-	-	-	-	13.45	13.45	
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	-	-	-	-	-	-	-	-	-	-	-	-	-	13.42	13.45	
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	-	-	-	-	-	-	-	-	-	-	-	-	-	13.45	13.45	
CA 2A1-30A-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	-	-	-	-	-	-	-	-	-	-	-	-	-	13.45	13.45	
CA 2A1-30A-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	-	-	-	-	-	-	-	-	-	-	-	-	-	13.42	13.45	
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	-	-	-	-	-	-	-	-	-	-	-	-	-	13.45	13.45	
CA 1A1-4A-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	-	-	-	-	-	-	-	-	-	-	-	-	-	13.49	13.45	
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	-	-	-	-	-	-	-	-	-	-	-	-	-	13.41	13.45	
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	-	-	-	-	-	-	-	-	-	-	-	-	-	13.45	13.45	
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	-	-	-	-	-	-	-	-	-	-	-	-	-	13.43	13.45	
CA 5A1-30A-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	-	-	-	-	-	-	-	-	-	-	-	-	-	13.42	13.45	
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	-	-	-	-	-	-	-	-	-	-	-	-	-	13.44	13.45	
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	-	-	-	-	-	-	-	-	-	-	-	-	-	13.45	13.45	
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	-	-	-	-	-	-	-	-	-	-	-	-	-	13.45	13.45	
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	-	-	-	-	-	-	-	-	-	-	-	-	-	13.44	13.45	
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	LTE B5	5	2453	874.3	2x2 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B5	5	2453	874.3	13.50	13.45
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	LTE B66	20	67236	2190	2x2 MIMO	LTE B66	20	67236	2190	13.50	13.45

1.4.14

LTE Band 7 as PCC

Table 85
Output Powers – Ant 2A

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.	Power	
						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]		LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA 5A-7A	LTE B7	20	20850	2535	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	1	0	2825	2627.5	4x4 MIMO	LTE B7	5	2918	2636.8	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	11.96	11.97
CA 7C(1)	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	4x4 MIMO	LTE B7	20	3048	2649.8	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	12.00	12.00
CA 7A-12A	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	11.98	12.00
CA 7A-46A(1)	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	11.97	12.00
CA 7A-166A	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	11.94	12.00
CA 7A-166A	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	11.94	12.00
CA 4A-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	-	-	-	-	-	11.91	12.00
CA 4A-7A-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	-	-	-	-	-	12.00	12.00
CA 4A-7A-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	-	-	-	-	-	11.98	12.00
CA 4A-7A-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	-	-	-	-	-	11.98	12.00
CA 7A-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	-	-	-	-	-	11.97	12.00
CA 7A-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	LTE B46	20	50863	5557.3	2x2 MIMO	11.96	12.00

Table 86
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				DL Ant. Config.	Power	
						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]		LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA 5A-7A	LTE B7	20	21100	2535	QPSK	1	0	3100	2655	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	12.22	12.30
CA 7B	LTE B7	15	21100	2535	QPSK	1	0	3100	2655	4x4 MIMO	LTE B7	5	3007	2645.7	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	12.18	12.30
CA 7C(1)	LTE B7	20	21100	2535	QPSK	1	0	3100	2655	4x4 MIMO	LTE B7	20	2902	2635.2	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	12.12	12.30
CA 7A-12A	LTE B7	20	21100	2535	QPSK	1	0	3100	2655	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	12.21	12.30
CA 7A-46A(1)	LTE B7	20	21100	2535	QPSK	1	0	3100	2655	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	12.16	12.30
CA 7A-166A	LTE B7	20	21100	2535	QPSK	1	0	3100	2655	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	12.14	12.30
CA 7A-166A	LTE B7	20	21100	2535	QPSK	1	0	3100	2655	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	12.14	12.30
CA 4A-4A-7A(1)	LTE B7	20	21100	2535	QPSK	1	0	3100	2655	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	12.23	12.30
CA 4A-7A-7A	LTE B7	20	21100	2535	QPSK	1	0	3100	2655	4x4 MIMO	LTE B7	20	2850	2630	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	12.18	12.30
CA 4A-7A-7A	LTE B7	20	21100	2535	QPSK	1	0	3100	2655	2x2 MIMO	LTE B7	20	2850	2630	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	12.26	12.30
CA 4A-7A-12A(1)	LTE B7	20	21100	2535	QPSK	1	0	3100	2655	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	12.17	12.30
CA 7A-46C(1)	LTE B7	20	21100	2535	QPSK	1	0	3100	2655	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	-	-	-	-	-	12.15	12.30
CA 7A-46D(1)	LTE B7	20	21100	2535	QPSK	1	0	3100	2655	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	LTE B46	20	50863	5557.3	2x2 MIMO	12.20	12.30

Table 87
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.	Power	
						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]		LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA 5A-7A	LTE B7	20	21100	2535	QPSK	1	99	3100	2655	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	11.99	12.00
CA 7B	LTE B7	15	21100	2535	64QAM	1	0	2825	2627.5	4x4 MIMO	LTE B7	5	2918	2636.8	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	11.98	11.91
CA 7C(1)	LTE B7	20	21100	2535	QPSK	1	99	3100	2655	4x4 MIMO	LTE B7	20	2902	2635.2	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	11.98	12.00
CA 7A-12A	LTE B7	20	21100	2535	QPSK	1	99	3100	2655	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	11.94	12.00
CA 7A-46A(1)	LTE B7	20	21100	2535	QPSK	1	99	3100	2655	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	11.97	12.00
CA 7A-166A	LTE B7	20	21100	2535	QPSK	1	99	3100	2655	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	11.97	12.00
CA 7A-166A	LTE B7	20	21100	2535	QPSK	1	99	3100	2655	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	11.99	12.00
CA 4A-4A-7A(1)	LTE B7	20	21100	2535	QPSK	1	99	3100	2655	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	11.90	12.00
CA 4A-7A-7A	LTE B7	20	21100	2535	QPSK	1	99	3100	2655	4x4 MIMO	LTE B7	20	2850	2630	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	11.96	12.00
CA 4A-7A-7A	LTE B7	20	21100	2535	QPSK	1	99	3100	2655	2x2 MIMO	LTE B7	20	2850	2630	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	11.96	12.00
CA 4A-7A-12A(1)	LTE B7	20	21100	2535	QPSK	1	99	3100	2655	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	11.99	12.00
CA 7A-46C(1)	LTE B7	20	21100	2535	QPSK	1	99	3100	2655	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	-	-	-	-	-	11.97	12.00
CA 7A-46D(1)	LTE B7	20	21100	2535	QPSK	1	99	3100	2655	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	LTE B46	20	50863	5557.3	2x2 MIMO	11.90	12.00

Table 88
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	20	21100	2535	QPSK	1	0	3100	2655	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	11.99	12.00	
CA 7A-7B	LTE B7	15	21100	2535	QPSK	1	0	3100	2655	4x4 MIMO	LTE B7	5	3007	2645.7	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	11.99	11.97	
CA 7C-11	LTE B7	20	21100	2535	QPSK	1	0	3100	2655	4x4 MIMO	LTE B7	20	2902	2385.2	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	11.98	12.00	
CA 7A-12A	LTE B7	20	21100	2535	QPSK	1	0	3100	2655	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	12.00	12.00	
CA 7A-46A-11	LTE B7	20	21100	2535	QPSK	1	0	3100	2655	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	11.97	12.00	
CA 7A-66A	LTE B7	20	21100	2535	QPSK	1	0	3100	2655	4x4 MIMO	LTE B66	20	50676	5537.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	12.00	12.00	
CA 7A-66A	LTE B7	20	21100	2535	QPSK	1	0	3100	2655	2x2 MIMO	LTE B66	20	50676	5537.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	11.95	12.00	
CA 14A-4A-7A-11	LTE B7	20	21100	2535	QPSK	1	0	3100	2655	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	-	12.00	12.00
CA 4A-7A-7A-11	LTE B7	20	21100	2535	QPSK	1	0	3100	2655	4x4 MIMO	LTE B7	20	2850	2630	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	-	11.96	12.00
CA 4A-7A-7A	LTE B7	20	21100	2535	QPSK	1	0	3100	2655	2x2 MIMO	LTE B7	20	2850	2630	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	-	11.99	12.00
CA 4A-7A-12A-11	LTE B7	20	21100	2535	QPSK	1	0	3100	2655	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	12.05	12.00	
CA 7A-46C-11	LTE B7	20	21100	2535	QPSK	1	0	3100	2655	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50667	5517.7	2x2 MIMO	-	-	-	-	-	-	12.00	12.00
CA 7A-46D-11	LTE B7	20	21100	2535	QPSK	1	0	3100	2655	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50667	5517.7	2x2 MIMO	-	-	-	-	-	-	12.00	12.00

LTE Band 41 as PCC

Table 89
Output Powers – Ant 2A

Combination	PCC Band	PCC						SCC1				SCC2				SCC3				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 (Enb) (dBm)	LTE Single Carrier Tx Power (dBm)			
CA {41A}{41A}	LTE B43	1	40185	2549.5	QPSK	1	0	40185	2549.5	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.70	14.76		
CA {41A}{41A}	LTE B41	1	40185	2549.5	QPSK	1	0	40185	2549.5	4x4 MIMO	LTE B43	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.70	14.76		
CA {41A}{41C}	LTE B43	1	40185	2549.5	QPSK	1	0	40185	2549.5	4x4 MIMO	LTE B41	20	41292	2660.2	2x2 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	-	14.74	14.76	
CA {41A}{41C}	LTE B41	1	40185	2549.5	QPSK	1	0	40185	2549.5	4x4 MIMO	LTE B43	20	41292	2660.2	4x4 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	-	-	14.74	14.76	
CA {41C}{41A}	LTE B43	1	40185	2549.5	QPSK	1	0	40185	2549.5	2x2 MIMO	LTE B41	20	40329	2563.9	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	-	-	14.76	14.76	
CA {41C}{41A}	LTE B41	1	40185	2549.5	QPSK	1	0	40185	2549.5	2x2 MIMO	LTE B43	20	40329	2563.9	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	-	-	14.77	14.76	
CA {41C}{41A}	LTE B41	1	40185	2549.5	QPSK	1	0	40185	2549.5	4x4 MIMO	LTE B43	20	40329	2563.9	2x2 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	-	14.76	14.76	
CA {41A}{41D}	LTE B41	1	40185	2549.5	QPSK	1	0	40185	2549.5	4x4 MIMO	LTE B41	20	41094	2643.4	2x2 MIMO	LTE B41	20	41292	2660.2	2x2 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	14.69	14.76
CA {41D}{41A}	LTE B43	1	40185	2549.5	QPSK	1	0	40185	2549.5	2x2 MIMO	LTE B41	20	40329	2563.9	2x2 MIMO	LTE B41	20	40537	2583.7	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	14.78	14.76

Table 90
Output Powers – Ant 2B

Combination	PCC Band	PCC										SCC1				SCC2				SCC3				Power				
		PCC BW [MHz]	PCC [UL] Ch.	PCC [UL] Freq. [MHz]	Mod.	PCC UL RB	PCC UL Off-Set	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 {41A1-41A1}	LTE B43	20	40185	2549.5	QPSK	1	0	40185	2549.5	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.50	14.50
CA {41A1-41A1}	LTE B43	20	40185	2549.5	QPSK	1	0	40185	2549.5	4x4 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.50	14.50
CA {41A1-41C}	LTE B43	20	40185	2549.5	QPSK	1	0	40185	2549.5	4x4 MIMO	LTE B41	20	41292	2660.2	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	14.50	14.50
CA {41A1-41C}	LTE B43	20	40185	2549.5	QPSK	1	0	40185	2549.5	2x2 MIMO	LTE B41	20	41292	2660.2	4x4 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	-	14.50	14.50
CA {41C-41A}	LTE B43	20	40185	2549.5	QPSK	1	0	40185	2549.5	2x2 MIMO	LTE B41	20	40383	2569.3	4x4 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	-	14.50	14.50
CA {41C-41A}	LTE B43	20	40185	2549.5	QPSK	1	0	40185	2549.5	4x4 MIMO	LTE B41	20	40383	2569.3	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	14.50	14.50
CA {41A1-41D}	LTE B43	20	40185	2549.5	QPSK	1	0	40185	2549.5	4x4 MIMO	LTE B41	20	41094	2649.4	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	14.50	14.50
CA {41D-41A}	LTE B43	20	40185	2549.5	QPSK	1	0	40185	2549.5	2x2 MIMO	LTE B41	20	40383	2569.3	2x2 MIMO	LTE B41	20	40383	2569.3	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	14.48	14.48	

Table 91
Output Powers – Ant 4A

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 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 141A-141A (1)	LTE B41	20	39750	2506	QPSK	1	99	39750	2506	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.48	14.50
CA 141A-141A (2)	LTE B41	20	39750	2506	QPSK	1	99	39750	2506	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	14.50	14.50
CA 41A-41C	LTE B41	20	39750	2506	QPSK	1	99	39750	2506	4x4 MIMO	LTE B41	20	41292	2660.2	2x2 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	14.47	14.50
CA 41A-41C (1)	LTE B41	20	39750	2506	QPSK	1	99	39750	2506	2x2 MIMO	LTE B41	20	41292	2660.2	4x4 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	14.50	14.50
CA 41C-41A (1)	LTE B41	20	39750	2506	QPSK	1	99	39750	2506	2x2 MIMO	LTE B41	20	39948	2525.8	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	14.49	14.50
CA 41C-41A (2)	LTE B41	20	39750	2506	QPSK	1	99	39750	2506	4x4 MIMO	LTE B41	20	39948	2525.8	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	14.48	14.50
CA 41A-41B	LTE B41	20	39750	2506	QPSK	1	99	39750	2506	4x4 MIMO	LTE B41	20	41094	2640.4	2x2 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	14.48	14.50
CA 41A-41A	LTE B41	20	39750	2506	QPSK	1	99	39750	2506	4x4 MIMO	LTE B41	20	39948	2525.8	2x2 MIMO	LTE B41	20	41490	2680	2x2 MIMO	LTE B41	20	41490	2680	2x2 MIMO	14.50	14.50

Table 92
Output Powers – Ant 4B

Combination	PCC										SCC 1				SCC 2				SCC 3				Power						
	PCC Band	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 Enabled (dBm)	LTE Single Carrier Tx Power (dBm)		
CA {41A}{41A}	LTE B43	20	40185	2549.5	QPSK	1	50	40185	2549.5	4x4 MIMO	LTE B41	20	41490	2680.2	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	15.00	15.00	
CA {41A}{41A}	LTE B41	20	40185	2549.5	QPSK	1	50	40185	2549.5	4x4 MIMO	LTE B41	20	41490	2680.2	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	15.00	15.00	
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	2680.2	2x2 MIMO	-	-	-	-	-	-	15.00	15.00	
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	2680.2	4x4 MIMO	-	-	-	-	-	-	14.98	15.00	
CA {41C}{41A}	LTE B43	20	40185	2549.5	QPSK	1	50	40185	2549.5	2x2 MIMO	LTE B41	20	41292	2660.2	2x2 MIMO	LTE B41	20	41490	2680.2	4x4 MIMO	-	-	-	-	-	-	15.00	15.00	
CA {41C}{41A}	LTE B43	20	40185	2549.5	QPSK	1	50	40185	2549.5	2x2 MIMO	LTE B41	20	41292	2660.2	2x2 MIMO	LTE B41	20	41490	2680.2	4x4 MIMO	-	-	-	-	-	-	14.98	15.00	
CA {41A}{41D}	LTE B41	20	40185	2549.5	QPSK	1	50	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	2680.2	4x4 MIMO	-	-	14.92	15.00
CA {41D}{41A}	LTE B41	20	40185	2549.5	QPSK	1	50	40185	2549.5	2x2 MIMO	LTE B41	20	41094	2640.4	2x2 MIMO	LTE B41	20	40581	2599.3	2x2 MIMO	LTE B41	20	41490	2680.2	4x4 MIMO	-	-	14.82	15.00

LTE Band 41 PC2 as PCC

Table 93
Output Powers – Ant 2A

[illegible]

Table 94
Output Powers – Ant 2B

Combination	PCC										SCC 1				SCC 2				SCC 3				Power						
	PCC Band	PCC BW [MHz]	PCC [L] Ch. Ch.	PCC [UL] Freq. [MHz]	Mod.	PCC UL B1	PCC UL Int Offset	PCC [DL] Ch. Ch.	PCC [DL] Freq. [MHz]	Ant. Config.	SCC Band	SCC BW [MHz]	SCC [L] Ch. Ch.	SCC [DL] Freq. [MHz]	Ant. Config.	SCC Band	SCC BW [MHz]	SCC [L] Ch. Ch.	SCC [DL] Freq. [MHz]	Ant. Config.	SCC Band	SCC BW [MHz]	SCC [L] Ch. Ch.	SCC [DL] Freq. [MHz]	Ant. Config.	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)		
CA (41A)-41A (1)	LTE B41 PCC	20	40185	2549.5	QPSK	1	99	40185	2549.5	4x4 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.49	14.50	
CA (41A)-41A (1)	LTE B41 PCC	20	40185	2549.5	QPSK	1	99	40185	2549.5	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.49	14.50	
CA (41A)-41A (1)	LTE B41 PCC	20	40185	2549.5	QPSK	1	99	40185	2549.5	4x4 MIMO	LTE B41 PCC	20	41292	2660.2	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.50	14.50	
CA (41A)-41C	LTE B41 PCC	20	40185	2549.5	QPSK	1	99	40185	2549.5	2x2 MIMO	LTE B41 PCC	20	41292	2660.2	4x4 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	-	14.50	14.50
CA (41C)-41A	LTE B41 PCC	20	40185	2549.5	QPSK	1	99	40185	2549.5	2x2 MIMO	LTE B41 PCC	20	40383	2569.2	2x2 MIMO	LTE B41 PCC	20	41490	2680	4x4 MIMO	-	-	-	-	-	-	-	14.47	14.50
CA (41C)-41A	LTE B41 PCC	20	40185	2549.5	QPSK	1	99	40185	2549.5	4x4 MIMO	LTE B41 PCC	20	40383	2569.2	4x4 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	-	14.49	14.50
CA (41C)-41D	LTE B41 PCC	20	40185	2549.5	QPSK	1	99	40185	2549.5	4x4 MIMO	LTE B41 PCC	20	41094	2640.4	2x2 MIMO	LTE B41 PCC	20	41292	2660.2	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	14.50	14.50
CA (41C)-41D	LTE B41 PCC	20	40185	2549.5	QPSK	1	99	40185	2549.5	2x2 MIMO	LTE B41 PCC	20	41094	2640.4	2x2 MIMO	LTE B41 PCC	20	41292	2660.2	2x2 MIMO	LTE B41 PCC	20	41490	2680	2x2 MIMO	-	-	14.50	14.50

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Table 95
Output Powers – Ant 4A

Combination	PCC										SCC 1				SCC 2				SCC 3				Power				
	PCC Band	PCC BW [MHz]	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) 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	QPSK	1	99	39750	2506	4x4 MIMO	LTE B41 PC2	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	-	-	-	14.47	14.50	
CA 41A-41A (1)	LTE B41 PC2	20	39750	2506	QPSK	1	99	39750	2506	2x2 MIMO	LTE B41 PC2	20	41490	2680	4x4 MIMO	-	-	-	-	-	-	-	-	-	14.45	14.50	
CA 41A-41C	LTE B41 PC2	20	39750	2506	QPSK	1	99	39750	2506	4x4 MIMO	LTE B41 PC2	20	41292	2660.2	2x2 MIMO	LTE B41 PC2	20	41490	2680	2x2 MIMO	-	-	-	-	-	14.50	14.50
CA 41A-41C	LTE B41 PC2	20	39750	2506	QPSK	1	99	39750	2506	2x2 MIMO	LTE B41 PC2	20	41292	2660.2	4x4 MIMO	LTE B41 PC2	20	41490	2680	4x4 MIMO	-	-	-	-	-	14.48	14.50
CA 41C-41A	LTE B41 PC2	20	39750	2506	QPSK	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	QPSK	1	99	39750	2506	4x4 MIMO	LTE B41 PC2	20	39948	2525.8	4x4 MIMO	LTE B41 PC2	20	41490	2680	2x2 MIMO	-	-	-	-	-	14.48	14.50
CA 41A-41D	LTE B41 PC2	20	39750	2506	QPSK	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	14.47	14.50
CA 41D-41A	LTE B41 PC2	20	39750	2506	QPSK	1	99	39750	2506	2x2 MIMO	LTE B41 PC2	20	39948	2525.8	2x2 MIMO	LTE B41 PC2	20	40146	2545.6	2x2 MIMO	LTE B41 PC2	20	41490	2680	4x4 MIMO	14.50	14.50

Table 96
Output Powers – Ant 4B

Combination	PCC Band	PCC										SCC 1				SCC 2				SCC 3				Power				
		PCC BW [MHz]	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	40185	2549.5	QPSK	1	0	40185	2549.5	4x4 MIMO	LTE B41 PC2	20	41890	2680	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	15.00	15.00	
CA 41A-41A (1)	LTE B41 PC2	20	40185	2549.5	QPSK	1	0	40185	2549.5	2x2 MIMO	LTE B41 PC2	20	41890	2680	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.94	15.00	
CA 41A-41C	LTE B41 PC2	20	40185	2549.5	QPSK	1	0	40185	2549.5	4x4 MIMO	LTE B41 PC2	20	41292	2660.2	2x2 MIMO	LTE B41 PC2	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	15.00	15.00
CA 41C-41A	LTE B41 PC2	20	40185	2549.5	QPSK	1	0	40185	2549.5	2x2 MIMO	LTE B41 PC2	20	41292	2660.2	4x4 MIMO	LTE B41 PC2	20	41490	2680	4x4 MIMO	-	-	-	-	-	-	15.00	15.00
CA 41C-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	41490	2680	4x4 MIMO	-	-	-	-	-	-	14.99	15.00
CA 41C-41A	LTE B41 PC2	20	40185	2549.5	QPSK	1	0	40185	2549.5	4x4 MIMO	LTE B41 PC2	20	40383	2569.3	4x4 MIMO	LTE B41 PC2	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	14.99	15.00
CA 41A-41D	LTE B41 PC2	20	40185	2549.5	QPSK	1	0	40185	2549.5	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	15.00	15.00	
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	2589.3	2x2 MIMO	LTE B41 PC2	20	41490	2680	4x4 MIMO	14.96	15.00	

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 with additional Carrier Aggregation configurations active in the downlink. Power measurements were performed with ULCA CA_41C active and additional CA configurations active in the downlink for the configuration required for ULCA CA_41C 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 active.

1.5.1 DL Carrier Aggregation RF Conducted Powers

Table 97
Output Powers – Ant 2A

Combination	PCC										SCC1				SCC2				SCC3				SCC4				Power	
	PCC Band	PCC Bandwidth [MHz]	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	39750	2506	QPSK	1	99	LTE B41	20	39948	2525.8	QPSK	1	0	LTE B41	20	41490	2680									14.22	14.27
CA 41D	LTE B41	20	39750	2506	QPSK	1	99	LTE B41	20	39948	2525.8	QPSK	1	0	LTE B41	20	40246	2545.6									14.24	14.27
CA 41E	LTE B41	20	39750	2506	QPSK	1	99	LTE B41	20	39948	2525.8	QPSK	1	0	LTE B41	20	40344	2565.4	LTE B41	20	41490	2680					14.23	14.27
CA 41C-41C	LTE B41	20	39750	2506	QPSK	1	99	LTE B41	20	39948	2525.8	QPSK	1	0	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680					14.25	14.27
CA 41D-41A	LTE B41	20	39750	2506	QPSK	1	99	LTE B41	20	39948	2525.8	QPSK	1	0	LTE B41	20	40246	2545.6	LTE B41	20	41490	2680					14.22	14.27
CA 41C-41D	LTE B41	20	39750	2506	QPSK	1	99	LTE B41	20	39948	2525.8	QPSK	1	0	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680					14.23	14.27
CA 41D-41C	LTE B41	20	39750	2506	QPSK	1	99	LTE B41	20	39948	2525.8	QPSK	1	0	LTE B41	20	40344	2565.4	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	14.27	14.27

Table 98
Output Powers – Ant 2B

Combination	PCC						SCC1						SCC2						SCC3						Power			
	PCC Band	PCC Bandwidth [MHz]	PCC (UL/DL) Channel	Modulation	PCC UL RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC (UL/DL) Channel	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	1	0	LTE B41	20	40422	2573.2	QPSK	1	99	LTE B41	20	41490	2680	-	-	-	-	-	-	13.94	13.95		
CA 41D	LTE B41	20	40620	2593	QPSK	1	0	LTE B41	20	40422	2573.2	QPSK	1	99	LTE B41	20	40818	2612.8	-	-	-	-	-	-	13.88	13.95		
CA 41E	LTE B41	20	40620	2593	QPSK	1	0	LTE B41	20	40422	2573.2	QPSK	1	99	LTE B41	20	40818	2612.8	LTE B41	20	41016	2632.6	-	-	13.92	13.95		
CA 41C-41C	LTE B41	20	40620	2593	QPSK	1	0	LTE B41	20	40422	2573.2	QPSK	1	99	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	13.91	13.95		
CA 41D-41A	LTE B41	20	40620	2593	QPSK	1	0	LTE B41	20	40422	2573.2	QPSK	1	99	LTE B41	20	40818	2612.8	LTE B41	20	41490	2680	-	-	13.90	13.95		
CA 41C-41D	LTE B41	20	40620	2593	QPSK	1	0	LTE B41	20	40422	2573.2	QPSK	1	99	LTE B41	20	41094	2640.4	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	13.88	13.95
CA 41D-41C	LTE B41	20	40620	2593	QPSK	1	0	LTE B41	20	40422	2573.2	QPSK	1	99	LTE B41	20	40818	2612.8	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	13.88	13.95

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Table 99
Output Powers – Ant 4A

Combination	PCC Band	PCC						SCC1						SCC2						SCC3						SCC4						Power	
		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]	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 41C-41A	LTE B41	20	40620	2593	QPSK	50	0	LTE B41	20	40422	2573.2	QPSK	50	50	LTE B41	20	41490	2680	-	-	-	-	-	-	-	-	-	-	-	13.56	13.57		
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	-	-	-	-	-	-	-	-	-	-	-	13.55	13.57		
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	42016	2623.6	-	-	-	-	-	-	-	13.63	13.58		
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	-	-	-	-	-	-	-	13.54	13.57		
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	-	-	-	-	-	-	-	13.55	13.57		
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	-	-	-	13.55	13.57		
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	-	-	-	13.57	13.57		

Table 100
Output Powers – Ant 4B

Combination	PCC Band	PCC						SCC1						SCC2						SCC3						SCC4						Power	
		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]	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 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	-	-	-	-	-	-	-	-	-	-	-	14.31	14.35		
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	-	-	-	-	-	-	-	-	-	-	-	14.33	14.35		
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	-	-	-	-	-	-	-	14.35	14.35		
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	-	-	-	-	-	-	-	14.36	14.35		
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	-	-	-	-	-	-	-	14.34	14.35		
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	-	-	-	14.33	14.35		
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	-	-	-	14.32	14.35		

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 101
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 41C [1]	LTE B41	20	39750	2506	QPSK	1	99	4x4 MIMO	LTE B41	20	39948	2525.8	QPSK	1	0	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.40	14.27	
CA 41C-41A	LTE B41	20	39750	2506	QPSK	1	99	2x2 MIMO	LTE B41	20	39948	2525.8	QPSK	1	0	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	-	14.34	14.27	
CA 41C-41A	LTE B41	20	39750	2506	QPSK	1	99	4x4 MIMO	LTE B41	20	39948	2525.8	QPSK	1	0	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	14.37	14.27	
CA 41D-41A	LTE B41	20	39750	2506	QPSK	1	99	2x2 MIMO	LTE B41	20	39948	2525.8	QPSK	1	0	2x2 MIMO	LTE B41	20	40146	2545.6	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	14.36	14.27

Table 102
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 41C [1]	LTE B41	20	40620	2593	QPSK	1	0	4x4 MIMO	LTE B41	20	40422	2573.2	QPSK	1	99	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	13.94	13.95		
CA 41C-41A	LTE B41	20	40620	2593	QPSK	1	0	2x2 MIMO	LTE B41	20	40422	2573.2	QPSK	1	99	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	-	-	13.97	13.95	
CA 41C-41A	LTE B41	20	40620	2593	QPSK	1	0	4x4 MIMO	LTE B41	20	40422	2573.2	QPSK	1	99	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	-	13.98	13.95	
CA 41D-41A	LTE B41	20	40620	2593	QPSK	1	0	2x2 MIMO	LTE B41	20	40422	2573.2	QPSK	1	99	2x2 MIMO	LTE B41	20	40818	2612.8	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	13.96	13.95

Table 103
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 41C [1]	LTE B41	20	40620	2593	QPSK	50	0	4x4 MIMO	LTE B41	20	40422	2573.2	QPSK	50	50	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	13.67	13.57		
CA 41C-41A	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	-	-	-	-	-	-	-	13.65	13.57	
CA 41C-41A	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	-	-	-	-	-	-	-	13.68	13.57	
CA 41D-41A	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	-	-	-	13.70	13.57

Table 104
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 41C [1]	LTE B41	20	40185	2549.5	QPSK	1	0	4x4 MIMO	LTE B41	20	39987	2529.7	QPSK	1	99	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.40	14.35					
CA 41C-41A	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	-	-	-	-	-	-	14.44	14.35					
CA 41C-41A	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	-	-	-	-	-	-	14.38	14.35					
CA 41D-41A	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	-	14.43	14.35					

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1.5.2.2

LTE Band 7

Table 105
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	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	11.97	11.99

Table 106
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	12.29	12.26

Table 107
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	100	0	4x4 MIMO	LTE B7	20	20902	2515.2	2902	2635.2	QPSK	100	0	4x4 MIMO	11.67	11.59

Table 108
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	1	0	4x4 MIMO	LTE B7	20	21152	2540.2	3152	2660.2	QPSK	1	99	4x4 MIMO	11.60	11.62

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