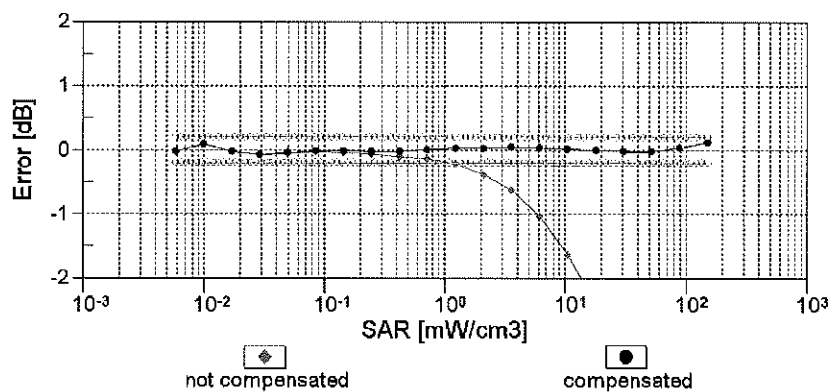
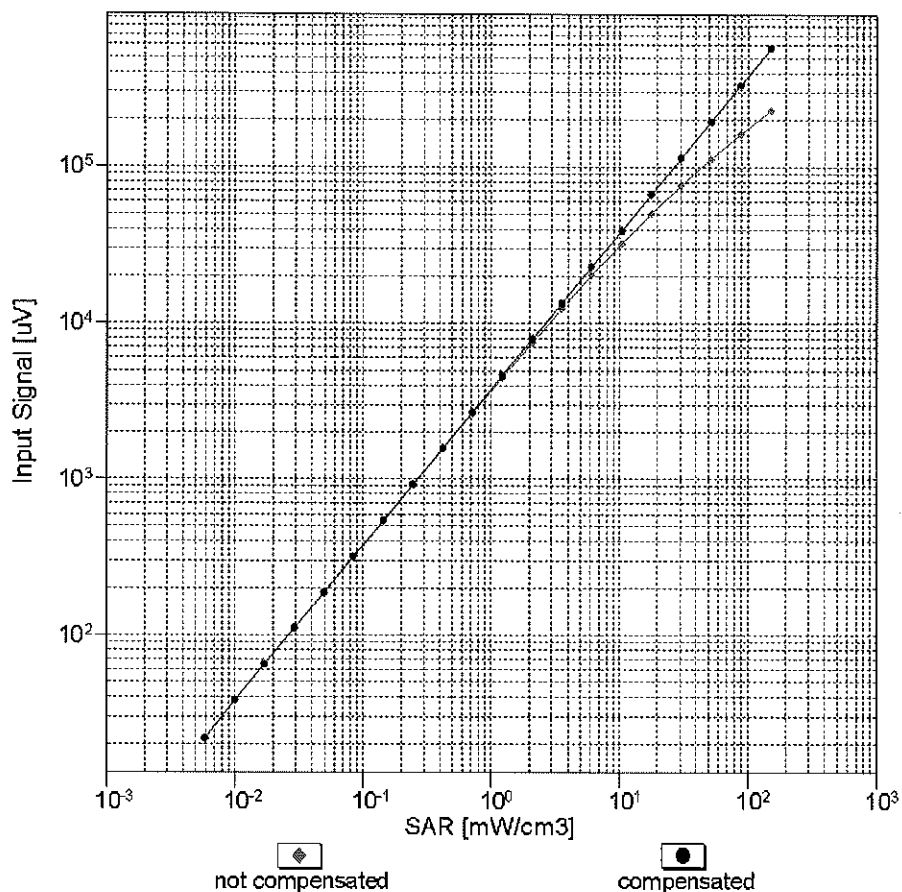
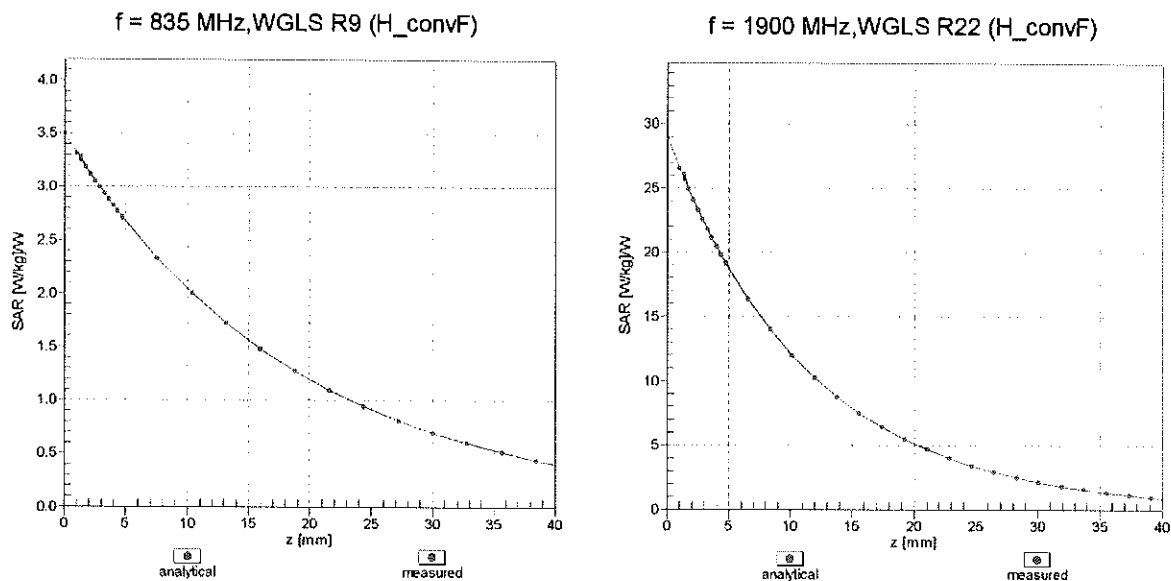


Dynamic Range $f(\text{SAR}_{\text{head}})$ (TEM cell , $f_{\text{eval}} = 1900 \text{ MHz}$)



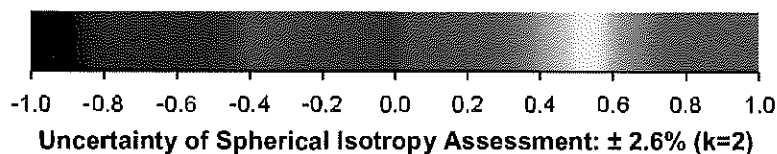
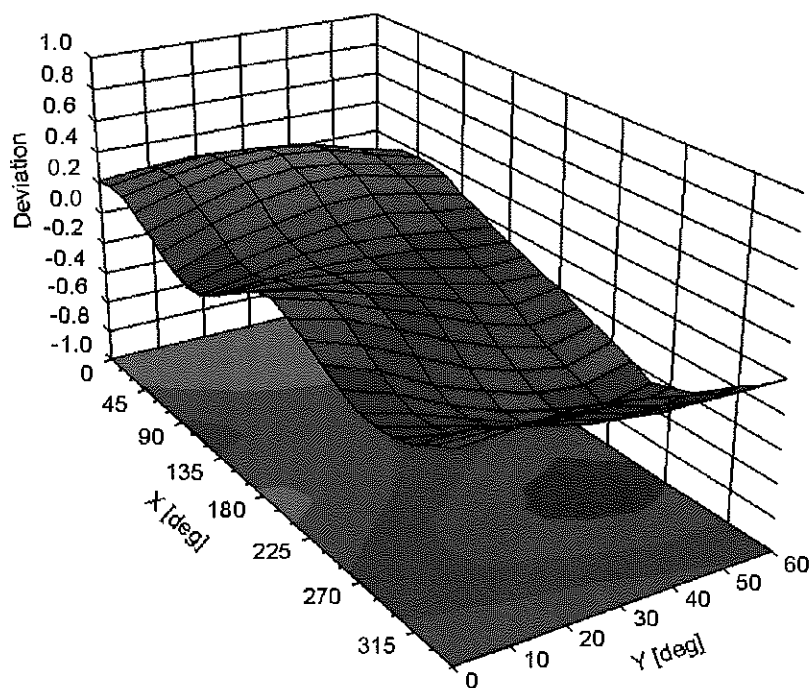
Uncertainty of Linearity Assessment: $\pm 0.6\%$ ($k=2$)

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**

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 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

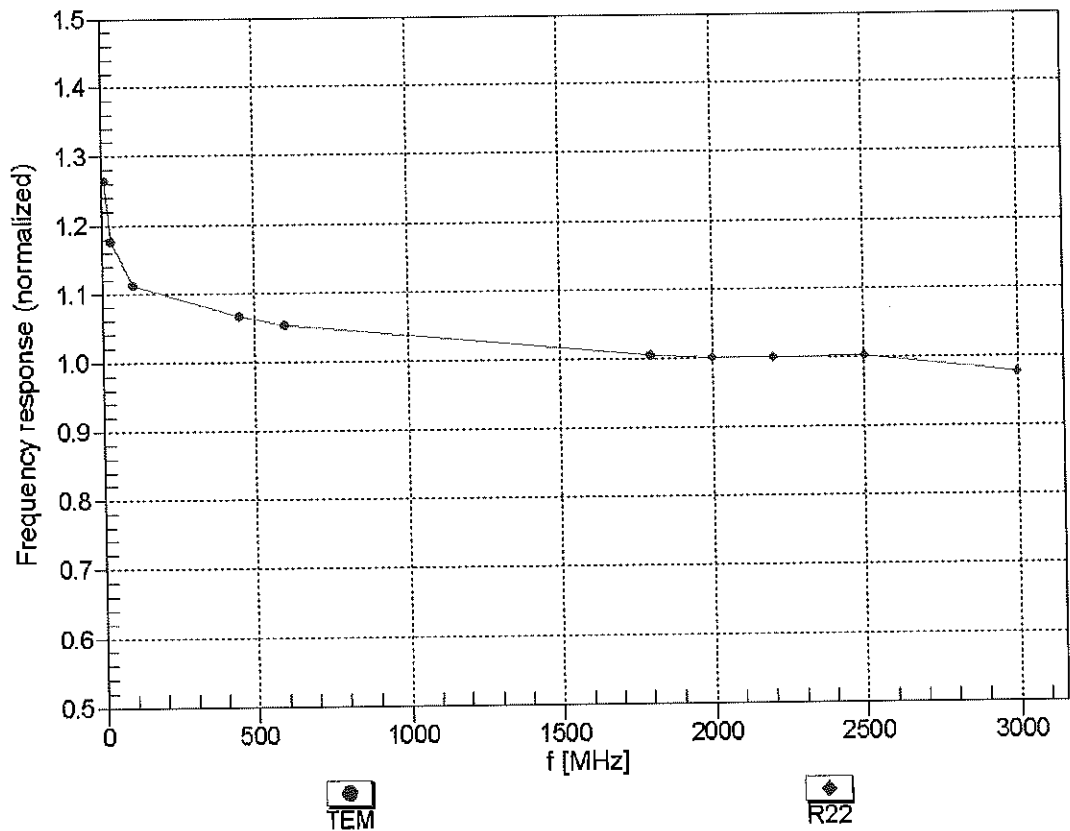
f (MHz) ^C	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)
750	55.5	0.96	10.66	10.66	10.66	0.32	1.04	± 12.0 %
835	55.2	0.97	10.30	10.30	10.30	0.46	0.85	± 12.0 %
1750	53.4	1.49	8.69	8.69	8.69	0.45	0.80	± 12.0 %
1900	53.3	1.52	8.32	8.32	8.32	0.41	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.

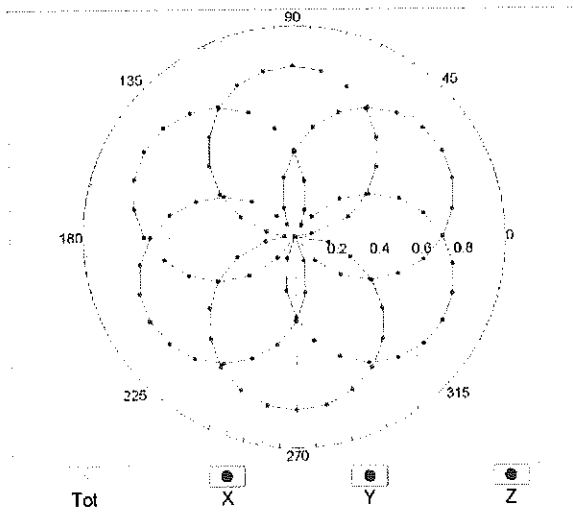
Frequency Response of E-Field
(TEM-Cell:ifi110 EXX, Waveguide: R22)



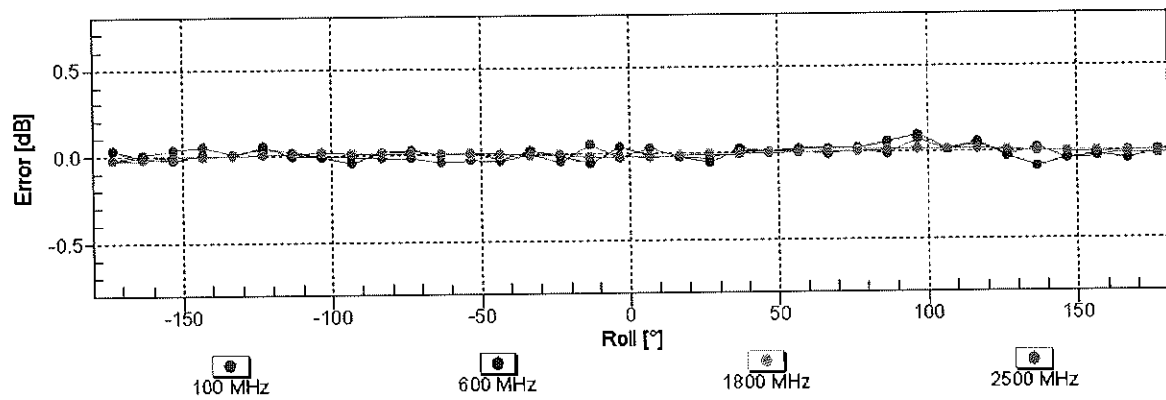
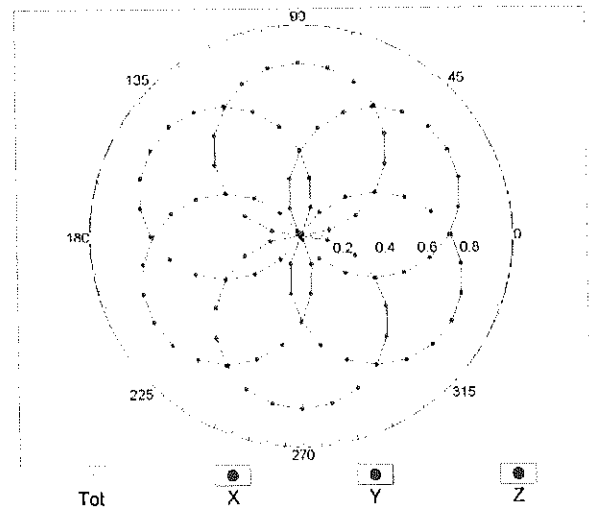
Uncertainty of Frequency Response of E-field: $\pm 6.3\%$ ($k=2$)

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

f=600 MHz,TEM

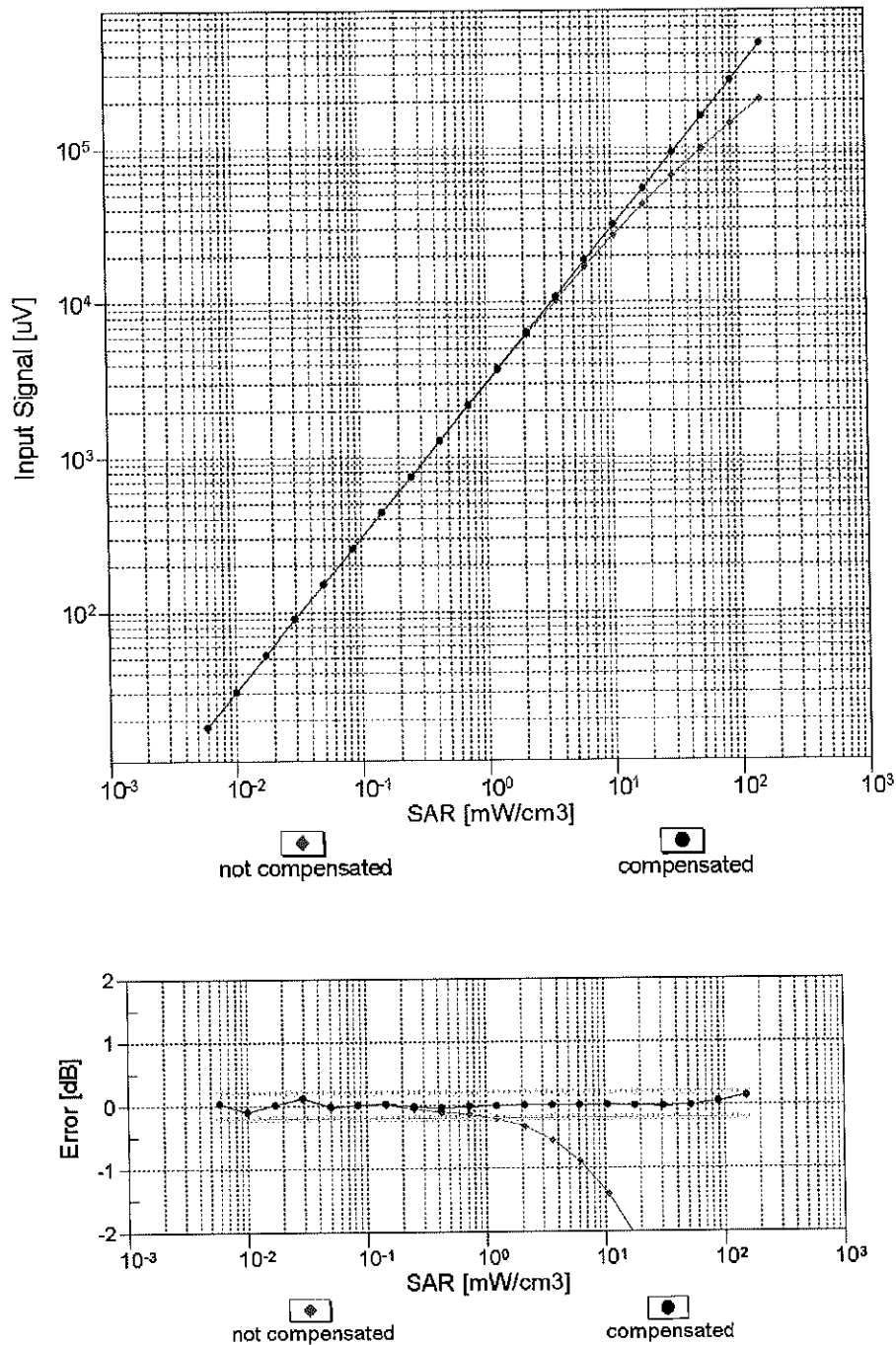


f=1800 MHz,R22



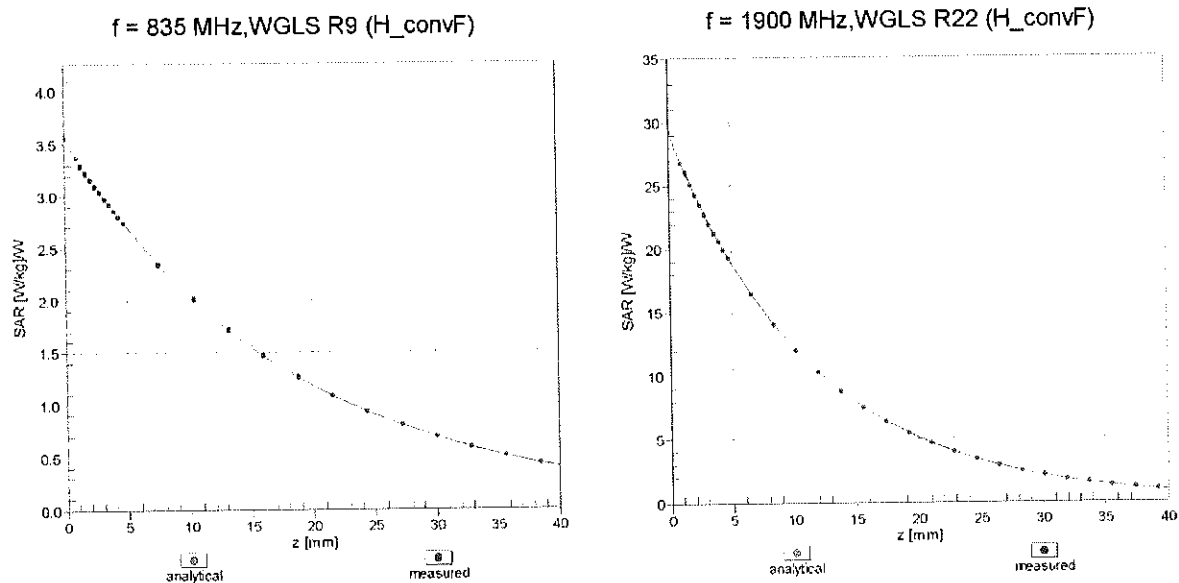
Uncertainty of Axial Isotropy Assessment: $\pm 0.5\%$ ($k=2$)

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



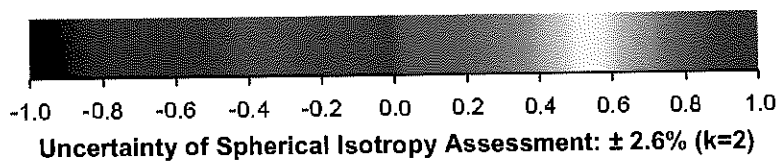
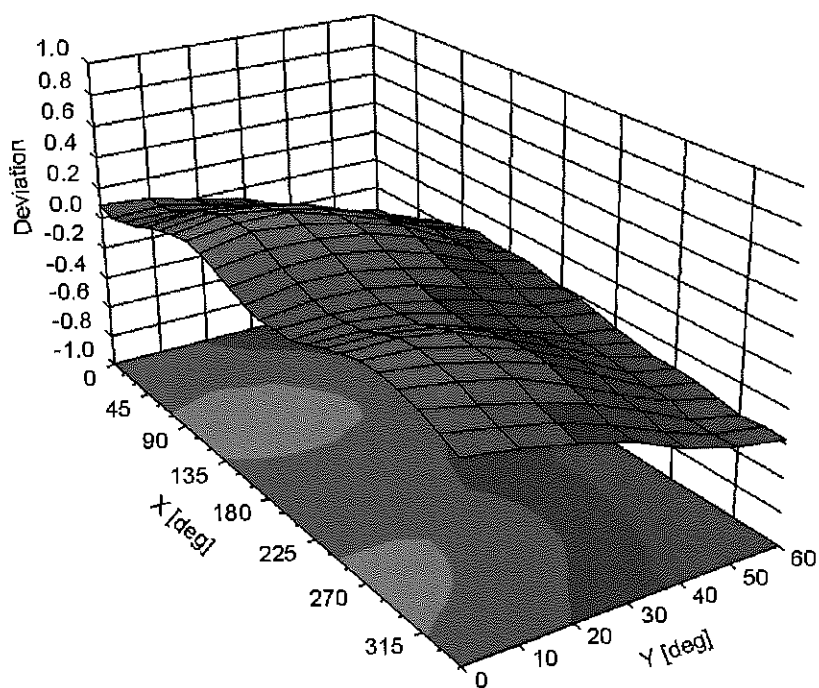
Uncertainty of Linearity Assessment: ± 0.6% (k=2)

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

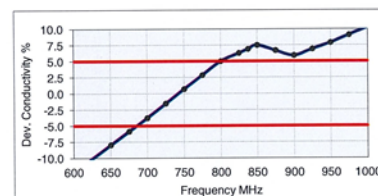
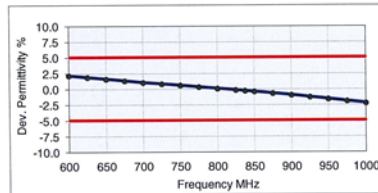


Figure D-2

750MHz Body Tissue Equivalent Matter

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

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.

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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 (ZEC)	Residential	Completely Covered by Measurement Support	ZEC		Aggregated Owner Estimated (ZEC)	Residential	Completely Covered by Measurement Support	ZEC		Aggregated Owner Estimated (ZEC)	Residential	Completely Covered by Measurement Support					
Owner	ZEC	Aggregated Owner Estimated (ZEC)	Residential	Completely Covered by Measurement Support	Owner	ZEC	Aggregated Owner Estimated (ZEC)	Residential	Completely Covered by Measurement Support	Owner	ZEC	Aggregated Owner Estimated (ZEC)	Residential	Completely Covered by Measurement Support					
CA-41	CA-42	1.00, 0.50	1.00, 0.50	Yes	CA-41	CA-42	1.00, 0.50	1.00, 0.50	Yes	CA-41	CA-42	1.00, 0.50	1.00, 0.50	Yes					
CA-43	CA-44	1.00, 0.50	1.00, 0.50	Yes	CA-45	CA-46	1.00, 0.50	1.00, 0.50	Yes	CA-47	CA-48	1.00, 0.50	1.00, 0.50	Yes					
CA-49	CA-50	1.00, 0.50	1.00, 0.50	Yes	CA-51	CA-52	1.00, 0.50	1.00, 0.50	Yes	CA-53	CA-54	1.00, 0.50	1.00, 0.50	Yes					
CA-55	CA-56	1.00, 0.50	1.00, 0.50	Yes	CA-57	CA-58	1.00, 0.50	1.00, 0.50	Yes	CA-59	CA-60	1.00, 0.50	1.00, 0.50	Yes					
CA-61	CA-62	1.00, 0.50	1.00, 0.50	Yes	CA-63	CA-64	1.00, 0.50	1.00, 0.50	Yes	CA-65	CA-66	1.00, 0.50	1.00, 0.50	Yes					
CA-67	CA-68	1.00, 0.50	1.00, 0.50	Yes	CA-69	CA-70	1.00, 0.50	1.00, 0.50	Yes	CA-71	CA-72	1.00, 0.50	1.00, 0.50	Yes					
CA-73	CA-74	1.00, 0.50	1.00, 0.50	Yes	CA-75	CA-76	1.00, 0.50	1.00, 0.50	Yes	CA-77	CA-78	1.00, 0.50	1.00, 0.50	Yes					
CA-79	CA-80	1.00, 0.50	1.00, 0.50	Yes	CA-81	CA-82	1.00, 0.50	1.00, 0.50	Yes	CA-83	CA-84	1.00, 0.50	1.00, 0.50	Yes					
CA-85	CA-86	1.00, 0.50	1.00, 0.50	Yes	CA-87	CA-88	1.00, 0.50	1.00, 0.50	Yes	CA-89	CA-90	1.00, 0.50	1.00, 0.50	Yes					
CA-91	CA-92	1.00, 0.50	1.00, 0.50	Yes	CA-93	CA-94	1.00, 0.50	1.00, 0.50	Yes	CA-95	CA-96	1.00, 0.50	1.00, 0.50	Yes					
CA-97	CA-98	1.00, 0.50	1.00, 0.50	Yes	CA-99	CA-100	1.00, 0.50	1.00, 0.50	Yes	CA-101	CA-102	1.00, 0.50	1.00, 0.50	Yes					
CA-103	CA-104	1.00, 0.50	1.00, 0.50	Yes	CA-105	CA-106	1.00, 0.50	1.00, 0.50	Yes	CA-107	CA-108	1.00, 0.50	1.00, 0.50	Yes					
CA-109	CA-110	1.00, 0.50	1.00, 0.50	Yes	CA-111	CA-112	1.00, 0.50	1.00, 0.50	Yes	CA-113	CA-114	1.00, 0.50	1.00, 0.50	Yes					
CA-115	CA-116	1.00, 0.50	1.00, 0.50	Yes	CA-117	CA-118	1.00, 0.50	1.00, 0.50	Yes	CA-119	CA-120	1.00, 0.50	1.00, 0.50	Yes					
CA-121	CA-122	1.00, 0.50	1.00, 0.50	Yes	CA-123	CA-124	1.00, 0.50	1.00, 0.50	Yes	CA-125	CA-126	1.00, 0.50	1.00, 0.50	Yes					
CA-127	CA-128	1.00, 0.50	1.00, 0.50	Yes	CA-129	CA-130	1.00, 0.50	1.00, 0.50	Yes	CA-131	CA-132	1.00, 0.50	1.00, 0.50	Yes					
CA-133	CA-134	1.00, 0.50	1.00, 0.50	Yes	CA-135	CA-136	1.00, 0.50	1.00, 0.50	Yes	CA-137	CA-138	1.00, 0.50	1.00, 0.50	Yes					
CA-139	CA-140	1.00, 0.50	1.00, 0.50	Yes	CA-141	CA-142	1.00, 0.50	1.00, 0.50	Yes	CA-143	CA-144	1.00, 0.50	1.00, 0.50	Yes					
CA-145	CA-146	1.00, 0.50	1.00, 0.50	Yes	CA-147	CA-148	1.00, 0.50	1.00, 0.50	Yes	CA-149	CA-150	1.00, 0.50	1.00, 0.50	Yes					
CA-151	CA-152	1.00, 0.50	1.00, 0.50	Yes	CA-153	CA-154	1.00, 0.50	1.00, 0.50	Yes	CA-155	CA-156	1.00, 0.50	1.00, 0.50	Yes					
CA-157	CA-158	1.00, 0.50	1.00, 0.50	Yes	CA-159	CA-160	1.00, 0.50	1.00, 0.50	Yes	CA-161	CA-162	1.00, 0.50	1.00, 0.50	Yes					
CA-163	CA-164	1.00, 0.50	1.00, 0.50	Yes	CA-165	CA-166	1.00, 0.50	1.00, 0.50	Yes	CA-167	CA-168	1.00, 0.50	1.00, 0.50	Yes					
CA-169	CA-170	1.00, 0.50	1.00, 0.50	Yes	CA-171	CA-172	1.00, 0.50	1.00, 0.50	Yes	CA-173	CA-174	1.00, 0.50	1.00, 0.50	Yes					
CA-175	CA-176	1.00, 0.50	1.00, 0.50	Yes	CA-177	CA-178	1.00, 0.50	1.00, 0.50	Yes	CA-179	CA-180	1.00, 0.50	1.00, 0.50	Yes					
CA-181	CA-182	1.00, 0.50	1.00, 0.50	Yes	CA-183	CA-184	1.00, 0.50	1.00, 0.50	Yes	CA-185	CA-186	1.00, 0.50	1.00, 0.50	Yes					
CA-187	CA-188	1.00, 0.50	1.00, 0.50	Yes	CA-189	CA-190	1.00, 0.50	1.00, 0.50	Yes	CA-191	CA-192	1.00, 0.50	1.00, 0.50	Yes					
CA-193	CA-194	1.00, 0.50	1.00, 0.50	Yes	CA-195	CA-196	1.00, 0.50	1.00, 0.50	Yes	CA-197	CA-198	1.00, 0.50	1.00, 0.50	Yes					
CA-199	CA-200	1.00, 0.50	1.00, 0.50	Yes	CA-201	CA-202	1.00, 0.50	1.00, 0.50	Yes	CA-203	CA-204	1.00, 0.50	1.00, 0.50	Yes					
CA-205	CA-206	1.00, 0.50	1.00, 0.50	Yes	CA-207	CA-208	1.00, 0.50	1.00, 0.50	Yes	CA-209	CA-210	1.00, 0.50	1.00, 0.50	Yes					
CA-211	CA-212	1.00, 0.50	1.00, 0.50	Yes	CA-213	CA-214	1.00, 0.50	1.00, 0.50	Yes	CA-215	CA-216	1.00, 0.50	1.00, 0.50	Yes					
CA-217	CA-218	1.00, 0.50	1.00, 0.50	Yes	CA-219	CA-220	1.00, 0.50	1.00, 0.50	Yes	CA-221	CA-222	1.00, 0.50	1.00, 0.50	Yes					
CA-223	CA-224	1.00, 0.50	1.00, 0.50	Yes	CA-225	CA-226	1.00, 0.50	1.00, 0.50	Yes	CA-227	CA-228	1.00, 0.50	1.00, 0.50	Yes					
CA-229	CA-230	1.00, 0.50	1.00, 0.50	Yes	CA-231	CA-232	1.00, 0.50	1.00, 0.50	Yes	CA-233	CA-234	1.00, 0.50	1.00, 0.50	Yes					
CA-235	CA-236	1.00, 0.50	1.00, 0.50	Yes	CA-237	CA-238	1.00, 0.50	1.00, 0.50	Yes	CA-239	CA-240	1.00, 0.50	1.00, 0.50	Yes					
CA-241	CA-242	1.00, 0.50	1.00, 0.50	Yes	CA-243	CA-244	1.00, 0.50	1.00, 0.50	Yes	CA-245	CA-246	1.00, 0.50	1.00, 0.50	Yes					
CA-247	CA-248	1.00, 0.50	1.00, 0.50	Yes	CA-249	CA-250	1.00, 0.50	1.00, 0.50	Yes	CA-251	CA-252	1.00, 0.50	1.00, 0.50	Yes					
CA-253	CA-254	1.00, 0.50	1.00, 0.50	Yes	CA-255	CA-256	1.00, 0.50	1.00, 0.50	Yes	CA-257	CA-258	1.00, 0.50	1.00, 0.50	Yes					
CA-259	CA-260	1.00, 0.50	1.00, 0.50	Yes	CA-261	CA-262	1.00, 0.50	1.00, 0.50	Yes	CA-263	CA-264	1.00, 0.50	1.00, 0.50	Yes					
CA-265	CA-266	1.00, 0.50	1.00, 0.50	Yes	CA-267	CA-268	1.00, 0.50	1.00, 0.50	Yes	CA-269	CA-270	1.00, 0.50	1.00, 0.50	Yes					
CA-271	CA-272	1.00, 0.50	1.00, 0.50	Yes	CA-273	CA-274	1.00, 0.50	1.00, 0.50	Yes	CA-275	CA-276	1.00, 0.50	1.00, 0.50	Yes					
CA-277	CA-278	1.00, 0.50	1.00, 0.50	Yes	CA-279	CA-280	1.00, 0.50	1.00, 0.50	Yes	CA-281	CA-282	1.00, 0.50	1.00, 0.50	Yes					
CA-283	CA-284	1.00, 0.50	1.00, 0.50	Yes	CA-285	CA-286	1.00, 0.50	1.00, 0.50	Yes	CA-287	CA-288	1.00, 0.50	1.00, 0.50	Yes					
CA-289	CA-290	1.00, 0.50	1.00, 0.50	Yes	CA-291	CA-292	1.00, 0.50	1.00, 0.50	Yes	CA-293	CA-294	1.00, 0.50	1.00, 0.50	Yes					
CA-295	CA-296	1.00, 0.50	1.00, 0.50	Yes	CA-297	CA-298	1.00, 0.50	1.00, 0.50	Yes	CA-299	CA-300	1.00, 0.50	1.00, 0.50	Yes					
CA-301	CA-302	1.00, 0.50	1.00, 0.50	Yes	CA-303	CA-304	1.00, 0.50	1.00, 0.50	Yes	CA-305	CA-306	1.00, 0.50	1.00, 0.50	Yes					
CA-307	CA-308	1.00, 0.50	1.00, 0.50	Yes	CA-309	CA-310	1.00, 0.50	1.00, 0.50	Yes	CA-311	CA-312	1.00, 0.50	1.00, 0.50	Yes					
CA-313	CA-314	1.00, 0.50	1.00, 0.50	Yes	CA-315	CA-316	1.00, 0.50	1.00, 0.50	Yes	CA-317	CA-318	1.00, 0.50	1.00, 0.50	Yes					
CA-319	CA-320	1.00, 0.50	1.00, 0.50	Yes	CA-321	CA-322	1.00, 0.50	1.00, 0.50	Yes	CA-323	CA-324	1.00, 0.50	1.00, 0.50	Yes					
CA-325	CA-326	1.00, 0.50	1.00, 0.50	Yes	CA-327	CA-328	1.00, 0.50	1.00, 0.50	Yes	CA-329	CA-330	1.00, 0.50	1.00, 0.50	Yes					
CA-331	CA-332	1.00, 0.50	1.00, 0.50	Yes	CA-333	CA-334	1.00, 0.50	1.00, 0.50	Yes	CA-335	CA-336	1.00, 0.50	1.00, 0.50	Yes					
CA-337	CA-338	1.00, 0.50	1.00, 0.50	Yes	CA-339	CA-340	1.00, 0.50	1.00, 0.50	Yes	CA-341	CA-342	1.00, 0.50	1.00, 0.50	Yes					
CA-343	CA-344	1.00, 0.50	1.00, 0.50	Yes	CA-345	CA-346	1.00, 0.50	1.00, 0.50	Yes	CA-347	CA-348	1.00, 0.50	1.00, 0.50	Yes					
CA-349	CA-350	1.00, 0.50	1.00, 0.50	Yes	CA-351	CA-352	1.00, 0.50	1.00, 0.50	Yes	CA-353	CA-354	1.00, 0.50	1.00, 0.50	Yes					
CA-355	CA-356	1.00, 0.50	1.00, 0.50	Yes	CA-357	CA-358	1.00, 0.50	1.00, 0.50	Yes	CA-359	CA-360	1.00, 0.50	1.00, 0.50	Yes					
CA-361	CA-362	1.00, 0.50	1.00, 0.50	Yes	CA-363	CA-364	1.00, 0.50	1.00, 0.50	Yes	CA-365	CA-366	1.00, 0.50	1.00, 0.50	Yes					
CA-367	CA-368	1.00, 0.50	1.00, 0.50	Yes	CA-369	CA-370	1.00, 0.50	1.00, 0.50	Yes	CA-371	CA-372	1.00, 0.50	1.00, 0.50	Yes					
CA-373	CA-374	1.00, 0.50	1.00, 0.50	Yes	CA-375	CA-376	1.00, 0.50	1.00, 0.50	Yes	CA-377	CA-378	1.00, 0.50	1.00, 0.50	Yes					
CA-379	CA-380	1.00, 0.50	1.00, 0.50	Yes	CA-381	CA-382	1.00, 0.50	1.00, 0.50	Yes	CA-383	CA-384	1.00, 0.50	1.00, 0.50	Yes					
CA-385	CA-386	1.00, 0.50	1.00, 0.50	Yes	CA-387	CA-388	1.00, 0.50	1.00, 0.50	Yes	CA-389	CA-390	1.00, 0.50	1.00, 0.50	Yes					
CA-391	CA-392	1.00, 0.50	1.00, 0.50	Yes	CA-393	CA-394	1.00, 0.50	1.00, 0.50	Yes	CA-395	CA-396	1.00, 0.50	1.00, 0.50	Yes					
CA-397	CA-398	1.00, 0.50	1.00, 0.50	Yes	CA-399	CA-400	1.00, 0.50	1.00, 0.50	Yes	CA-401	CA-402	1.00, 0.50	1.00, 0.50	Yes					
CA-403	CA-404	1.00, 0.50	1.00, 0.50	Yes	CA-405	CA-406	1.00, 0.50	1.00, 0.50	Yes	CA-407	CA-408	1.00, 0.50	1.00, 0.50	Yes					
CA-409	CA-410	1.00, 0.50	1.00, 0.50	Yes	CA-411	CA-412	1.00, 0.50	1.00, 0.50	Yes	CA-413	CA-414	1.00, 0.50	1.00, 0.50	Yes					
CA-415	CA-416	1.00, 0.50	1.00, 0.50	Yes	CA-417	CA-418	1.00, 0.50	1.00, 0.50	Yes	CA-419	CA-420	1.00, 0.50	1.00, 0.50	Yes					
CA-421	CA-422	1.00, 0.50	1.00, 0.50	Yes	CA-423	CA-424	1.00, 0.50	1.00, 0.50	Yes	CA-425	CA-426	1.00, 0.50	1.00, 0.50	Yes					
CA-427	CA-428	1.00, 0.50	1.00, 0.50	Yes	CA-429	CA-430	1.00, 0.50	1.00, 0.50	Yes	CA-431	CA-432	1.00, 0.50	1.00, 0.50	Yes					
CA-433	CA-434	1.00, 0.50	1.00, 0.50	Yes	CA-435	CA-436	1.00, 0.50	1.00, 0.50	Yes	CA-437	CA-438	1.00, 0.50	1.00, 0.50	Yes					
CA-439	CA-440	1.00, 0.50	1.00, 0.50	Yes	CA-441	CA-442	1.00, 0.50	1.00, 0.50	Yes	CA-443	CA-444	1.00, 0.50	1.00, 0.50	Yes					
CA-445	CA-446	1.00, 0.50	1.00, 0.50	Yes	CA-447	CA-448	1.00, 0.50	1.00, 0.50	Yes	CA-449	CA-450	1.00, 0.50	1.00, 0.50	Yes					
CA-451	CA-452	1.00, 0.50	1.00, 0.50	Yes	CA-453	CA-454	1.00, 0.50	1.00, 0.50	Yes	CA-455	CA-456	1.00, 0.50	1.00, 0.50	Yes					
CA-457	CA-458	1.00, 0.50	1.00, 0.50	Yes	CA-459	CA-460	1.00, 0.50	1.00, 0.50	Yes	CA-461									

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

Table 2: Example 1 - Case 1: CA [2A] - 5, 10, 15, 20 MHz Configuration						Table 2: Example 2 - Case 2: CA [2A] - 5, 10, 15, 20 MHz Configuration											
Index	ACC	Supported Channel Bandwidth (MHz)		Restriction	Completely Covered by Measurement Superset	Index	ACC	Supported Channel Bandwidth (MHz)		Restriction	Completely Covered by Measurement Superset	Index	ACC	Supported Channel Bandwidth (MHz)		Restriction	Completely Covered by Measurement Superset
		CC1	CC2					CC1	CC2					CC3	CC1		
ACC #M1	CA [2C]	5, 10, 15, 20	5, 10, 15, 20	ACC #M6		ACC #M1	CA [2A]	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20	No	ACC #M1	CA [2A]	5, 10, 15, 20	5, 10	5, 10, 15, 20	No
ACC #M2	CA [2A]	5, 10, 15, 20	5, 10, 15, 20	ACC #M1		ACC #M2	CA [2A]	5, 10, 15, 20	5, 10, 15, 20	5, 10	No	ACC #M2	CA [2A]	5, 10, 15, 20	5, 10	5, 10, 15, 20	No
ACC #M3	CA [2A]	5, 10, 15, 20	5, 10, 15, 20	No		ACC #M3	CA [2A]	5, 10, 15, 20	5, 10, 15, 20	5, 10	No	ACC #M3	CA [2A]	5, 10, 15, 20	5, 10, 15	5, 10, 15, 20	No
ACC #M4	CA [2A]	5, 10, 15, 20	5, 10, 15, 20	ACC #M1		ACC #M4	CA [2A]	5, 10, 15, 20	5, 10, 15, 20	5, 10	No	ACC #M4	CA [2A]	5, 10, 15, 20	5, 10, 15	5, 10, 15, 20	No
ACC #M5	CA [2A]	5, 10, 15, 20	5, 10, 15, 20	No		ACC #M5	CA [2A]	5, 10, 15, 20	5, 10, 15, 20	5, 10	No	ACC #M5	CA [2A]	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20	No
ACC #M6	CA [2A]	5, 10, 15, 20	5, 10	ACC #M3		ACC #M6	CA [2C]	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20	No	ACC #M6	CA [2A]	5, 10, 15, 20	5, 10	5, 10, 15, 20	No
ACC #M7	CA [2A]	5, 10, 15, 20	5, 10	ACC #M3		ACC #M7	CA [2C]	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20	No	ACC #M7	CA [2C]	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20	No
ACC #M8	CA [2A]	5, 10, 15, 20	5, 10	ACC #M4		ACC #M8	CA [2C]	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20	No	ACC #M8	CA [2C]	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20	No
ACC #M9	CA [2A]	5, 10, 15, 20	5, 10	No		ACC #M9	CA [2A]	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20	No	ACC #M9	CA [2A]	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20	No
ACC #M10	CA [2A]	5, 10, 15, 20	5, 10	B29 SCC Only		ACC #M10	CA [2A]	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20	No	ACC #M10	CA [2A]	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20	No
ACC #M11	CA [2A]	5, 10, 15, 20	5, 10	ACC #M5		ACC #M11	CA [2A]	5, 10, 15, 20	5, 10, 15, 20	5, 10	No	ACC #M11	CA [2A]	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20	No
ACC #M12	CA [2A]	5, 10, 15, 20	5, 10, 15, 20	ACC #M1		ACC #M12	CA [2A]	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20	No	ACC #M12	CA [2A]	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20	No
ACC #M13	CA [2A]	5, 10, 15, 20	5, 10, 15, 20	ACC #M2		ACC #M13	CA [2A]	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20	No	ACC #M13	CA [2A]	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20	No
ACC #M14	CA [2A]	5, 10, 15, 20	5, 10, 15, 20	ACC #M2		ACC #M14	CA [2A]	5, 10, 15, 20	5, 10, 15, 20	5, 10	No	ACC #M14	CA [2A]	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20	No
ACC #M15	CA [2A]	5, 10, 15, 20	5, 10, 15, 20	ACC #M11		ACC #M15	CA [2A]	5, 10, 15, 20	5, 10, 15, 20	5, 10	No	ACC #M15	CA [2A]	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20	No
ACC #M16	CA [2A]	5, 10, 15, 20	5, 10, 15, 20	ACC #M16		ACC #M16	CA [2A]	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20	No	ACC #M16	CA [2A]	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20	No
ACC #M17	CA [2A]	5, 10, 15, 20	5, 10, 15, 20	ACC #M17		ACC #M17	CA [2A]	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20	No	ACC #M17	CA [2A]	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20	No
ACC #M18	CA [2A]	5, 10, 15, 20	5, 10, 15, 20	ACC #M18		ACC #M18	CA [2A]	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20	No	ACC #M18	CA [2A]	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20	No
ACC #M19	CA [2A]	5, 10, 15, 20	5, 10, 15, 20	ACC #M20		ACC #M19	CA [2A]	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20	No	ACC #M19	CA [2A]	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20	No
ACC #M20	CA [66B]	5, 10, 15	5, 10, 15	ACC #M4		ACC #M20	CA [2A]	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20	No	ACC #M20	CA [2A]	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20	No
ACC #M21	CA [66C]	5, 10, 15, 20	5, 10, 15, 20	ACC #M6		ACC #M21	CA [2A]	5, 10, 15, 20	5, 10, 15	5, 10, 15	ACC #M3	ACC #M21	CA [2A]	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20	ACC #M3
ACC #M22	CA [66A]	5, 10, 15, 20	5, 10, 15, 20	ACC #M28		ACC #M22	CA [2A]	5, 10, 15, 20	5, 10, 15	5, 10, 15	ACC #M4	ACC #M22	CA [2A]	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20	ACC #M4
ACC #M23	CA [66B]	5, 10, 15, 20	5, 10, 15, 20	ACC #M23		ACC #M23	CA [2A]	5, 10, 15, 20	5, 10, 15	5, 10, 15	ACC #M23	ACC #M23	CA [2A]	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20	ACC #M23

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.

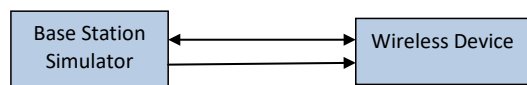


Figure 1
DL CA Power Measurement Setup

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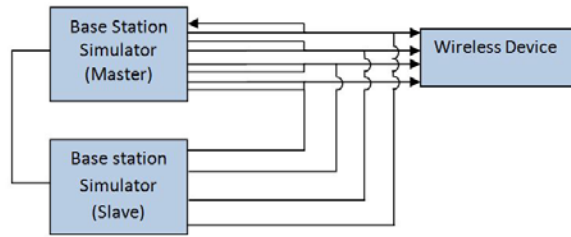


Figure 2
DL CA with DL 4x4 MIMO Power Measurement Setup

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	19.57	19.66
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# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)			
CA 2A-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	700	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	1960	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	1960	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	1960	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	1960	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	1960	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	1960	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	1960	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	1960	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	1960	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	1960	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	1960	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	1960	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	1960	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 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) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [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	19.70	19.67
CA 4A-17A	LTE B17	10	23790	710	QPSK	1	49	5790	740	LTE B4	10	19.69	19.67

Table 6
Output Powers – Ant 3

Combination	PCC Band	PCC						SCC 1				Power	
		PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [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	19.95	20.00
CA 4A-17A	LTE B17	10	23790	710	16QAM	1	0	5790	740	LTE B4	10	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	23230	782	QPSK	1	0	5230	751	LTE B2	20	900	1950	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	-	21.26	21.30
CA 2A-13A-66A	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B2	20	900	1950	LTE B66	20	50665	5537.5	-	-	-	-	-	-	-	-	21.26	21.30
CA 4A-4A-13A	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	-	-	-	-	-	-	-	-	21.24	21.30
CA 13A-66A-66A	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B66	20	50665	5537.5	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	21.26	21.30
CA 2A-13A-66C	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B2	20	900	1950	LTE B66	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	21.26	21.30
CA 2A-2A-13A-66A	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B2	20	900	1950	LTE B2	20	700	1940	LTE B66	20	66786	2145	-	-	-	-	21.26	21.30
CA 2A-13A-66A-66A	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B2	20	900	1950	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	21.23	21.30
CA 2A-13A-66C	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B2	20	900	1950	LTE B66	15	66786	2145	LTE B66	20	66786	2145	-	-	-	-	21.25	21.30
CA 2A-13A-66C	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B2	20	900	1950	LTE B66	15	66786	2145	LTE B66	20	66786	2145	-	-	-	-	21.23	21.30
CA 13A-66A-66B	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B66	20	66786	2145	LTE B66	15	67236	2190	-	-	-	-	-	-	-	-	21.27	21.30
CA 13A-66A-66C	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	-	-	-	-	21.27	21.30
CA 13A-66C-66A	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B66	20	50665	5537.5	LTE B66	20	50467	5517.7	LTE B66	20	66786	2145	-	-	-	-	21.24	21.30
CA 2A-13A-46D	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B2	20	900	1950	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50665	5537.5	21.24	21.30
CA 13A-46C	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50665	5537.5	LTE B46	20	50665	5537.5	21.23	21.30
CA 13A-46D-66A	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50665	5537.5	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	23230	782	QPSK	1	49	5230	751	LTE B2	20	900	1950	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	-	21.30	21.30
CA 2A-13A-66A	LTE B13	10	23230	782	QPSK	1	49	5230	751	LTE B2	20	900	1950	LTE B66	20	50665	5537.5	-	-	-	-	-	-	-	-	21.26	21.30
CA 4A-4A-13A	LTE B13	10	23230	782	QPSK	1	49	5230	751	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	-	-	-	-	-	-	-	-	21.30	21.30
CA 13A-66A-66A	LTE B13	10	23230	782	QPSK	1	49	5230	751	LTE B66	20	50665	5537.5	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	21.24	21.30
CA 2A-13A-66C	LTE B13	10	23230	782	QPSK	1	49	5230	751	LTE B2	20	900	1950	LTE B66	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	21.26	21.30
CA 2A-2A-13A-66A	LTE B13	10	23230	782	QPSK	1	49	5230	751	LTE B2	20	900	1950	LTE B2	20	700	1940	LTE B66	20	66786	2145	-	-	-	-	21.26	21.30
CA 2A-13A-66A-66A	LTE B13	10	23230	782	QPSK	1	49	5230	751	LTE B2	20	900	1950	LTE B66	20	66786	2145	LTE B66	20	66786	2145	-	-	-	-	21.26	21.30
CA 2A-13A-66C	LTE B13	10	23230	782	QPSK	1	49	5230	751	LTE B2	20	900	1950	LTE B66	20	50665	5537.5	LTE B66	20	66786	2145	-	-	-	-	21.26	21.30
CA 2A-13A-66C-66A	LTE B13	10	23230	782	QPSK	1	49	5230	751	LTE B2	20	900	1950	LTE B66	20	66786	2145	LTE B66	20	66786	2145	-	-	-	-	21.26	21.30
CA 13A-66A-66C	LTE B13	10	23230	782	QPSK	1	49	5230	751	LTE B66	20	66786	2145	LTE B66	5	47048	2183.2	LTE B66	15	47218	2182.7	-	-	-	-	21.26	21.30
CA 13A-66A-66C-66A	LTE B13	10	23230	782	QPSK	1	49	5230	751	LTE B66	20	66786	2145	LTE B66	20	67018	2179.2	LTE B66	20	67210	2178.7	-	-	-	-	21.28	21.30
CA 13A-66C-66A	LTE B13	10	23230	782	QPSK	1	49	5230	751	LTE B66	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B66	20	66786	2145	-	-	-	-	21.15	21.30
CA 2A-13A-40C	LTE B13	10	23230	782	QPSK	1	49	5230	751	LTE B2	20	900	1950	LTE B46	20	50667	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50667	5537.5	21.30	21.30
CA 13A-40C-66A	LTE B13	10	23230	782	QPSK	1	49	5230	751	LTE B66	20	50665	5537.5	LTE B46	20	50667	5537.7	LTE B46	20	50667	5537.7	LTE B46	20	50667	5537.7	21.30	21.30
CA 13A-40C-66C	LTE B13	10	23230	782	QPSK	1	49	5230	751	LTE B66	20	50665	5537.5	LTE B46	20	50667	5537.7	LTE B46	20	50667	5537.7	LTE B46	20	50667	5537.7	21.30	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	66879	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 (DL) Freq. [MHz]	Mod.	PCC UL RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC 1				SCC 2				SCC 3				Power					
										SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	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 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	-	-	-	-	-	-	-	-	21.34	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	-	-	-	-	-	-	-	-	21.28	21.40				
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	-	-	-	-	21.26	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	-	-	-	-	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-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	10	2150	2150	21.30	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 B2	20	700	1940	LTE B30	10	9820	2355	21.25	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-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	21.26	21.40				
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	21.30	21.40				
CA 2A-5	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	21.29	21.40				
CA 4A-4A-5B	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	21.30	21.40				
CA 4A-4A-5B-66A	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	21.26	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	5557.8	21.33	21.40				
LTE B5	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B66	20	66786	2145	LTE B66	20	66784	2148.8	LTE B66	20	66788	2142.8	21.48	21.40				
CA 5A-66A-66A	LTE B5	10	20245	836.5	QPSK	1	49	2525	881.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	LTE B66	20	67238	2190	21.40	21.40				
LTE B5	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	21.31	21.40				
CA 5A-66A-66C	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	21.35	21.40				
CA 5A-10A-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	21.39	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	15	66786	2145	LTE B66	5	66874	2114.3	21.30	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	66874	2148.8	21.13	21.40
CA 5B-66B-66A	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	66874	2148.8	21.30	21.40
CA 2A-5B-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	66786	2145	LTE B66	20	66874	2148.8	21.11	21.40
CA 5A-30A-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	LTE B66	20	66874	2148.8	21.15	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-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	14.60	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				PCC (DL) Channel	SCC 1				SCC 2				SCC 3				SCC 4				Power	
				PCC (UL) Freq. [MHz]	Mod.	PCC UL RB	PCC UL RB Offset		PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx Power with DL CA Enabled (dBm)
CA_2A-4A	LTE B4	20	20300	1745	QPSK	1	99	2100	2145	LTE B2	20	900	1960	-	-	-	-	-	-	-	-	-	-	-	14.20	14.30
CA_4A-12A(1)	LTE B4	20	20300	1745	QPSK	1	99	2100	2145	LTE B12	10	5095	717.5	-	-	-	-	-	-	-	-	-	-	-	14.20	14.30
CA_4A-12A(2)	LTE B4	20	20300	1745	QPSK	1	99	2100	2145	LTE B12	10	5095	717.5	-	-	-	-	-	-	-	-	-	-	-	14.30	14.30
CA_4A-17A	LTE B4	10	20300	1750	QPSK	1	0	2150	2150	LTE B17	10	5700	740	-	-	-	-	-	-	-	-	-	-	-	14.26	14.30
CA_4A-20A	LTE B4	10	20300	1750	QPSK	1	0	2150	2150	LTE B20	10	5715	722.5	-	-	-	-	-	-	-	-	-	-	-	14.28	14.30
CA_2A-4A-13A	LTE B4	20	20300	1745	QPSK	1	99	2100	2145	LTE B2	20	900	1960	LTE B13	10	5230	751	-	-	-	-	-	-	-	14.26	14.30
CA_2A-4A-71A	LTE B4	20	20300	1745	QPSK	1	99	2100	2145	LTE B2	20	900	1960	LTE B71	20	68761	634.5	-	-	-	-	-	-	-	14.26	14.30
CA_4A-4A-7A(1)	LTE B4	20	20300	1745	QPSK	1	99	2100	2145	LTE B4	20	2000	2120	LTE B7	20	3100	2655	-	-	-	-	-	-	-	14.26	14.30
CA_4A-4A-7A(2)	LTE B4	20	20300	1745	QPSK	1	99	2100	2145	LTE B7	20	3100	2655	LTE B7	20	2850	2630	-	-	-	-	-	-	-	14.23	14.30
CA_4A-4A-13A	LTE B4	20	20300	1745	QPSK	1	99	2100	2145	LTE B4	20	2000	2120	LTE B13	10	5230	751	-	-	-	-	-	-	-	14.13	14.30
CA_4A-4A-20A	LTE B4	20	20300	1745	QPSK	1	99	2100	2145	LTE B4	20	2000	2120	LTE B20	10	5715	722.5	-	-	-	-	-	-	-	14.30	14.30
CA_4A-4A-46A	LTE B4	20	20300	1745	QPSK	1	99	2100	2145	LTE B46	20	50665	5537.5	LTE B46	20	47000	5180	-	-	-	-	-	-	-	14.21	14.30
CA_4A-4A-71A	LTE B4	20	20300	1745	QPSK	1	99	2100	2145	LTE B4	20	2000	2120	LTE B71	20	68761	634.5	-	-	-	-	-	-	-	14.26	14.30
CA_4A-7A-12A(1)	LTE B4	20	20300	1745	QPSK	1	99	2100	2145	LTE B7	20	3100	2655	LTE B12	10	5095	717.5	-	-	-	-	-	-	-	14.29	14.30
CA_2A-2A-4A-4A	LTE B4	20	20300	1745	QPSK	1	99	2100	2145	LTE B4	20	2000	2120	LTE B2	20	900	1960	LTE B5	10	2525	881.5	14.20	14.30	14.30		
CA_2A-2A-4A-5A	LTE B4	20	20300	1745	QPSK	1	99	2100	2145	LTE B2	20	900	1960	LTE B5	10	2525	881.5	-	-	-	-	-	-	-	14.24	14.30
CA_2A-4A-5A	LTE B4	20	20300	1745	QPSK	1	99	2100	2145	LTE B4	20	2000	2120	LTE B5	10	2525	881.5	-	-	-	-	-	-	-	14.26	14.30
CA_2A-4A-5B	LTE B4	20	20300	1745	QPSK	1	99	2100	2145	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B30	10	8020	2355	-	-	-	14.30	14.30
CA_2A-2A-4A-12A	LTE B4	20	20300	1745	QPSK	1	99	2100	2145	LTE B2	20	900	1960	LTE B12	10	5095	717.5	LTE B30	10	8020	2355	-	-	-	14.29	14.30
CA_2A-4A-4A-12A	LTE B4	20	20300	1745	QPSK	1	99	2100	2145	LTE B4	20	2000	2120	LTE B12	10	5095	717.5	LTE B30	10	8020	2355	-	-	-	14.30	14.30
CA_2A-4A-12B	LTE B4	20	20300	1745	QPSK	1	99	2100	2145	LTE B2	20	900	1960	LTE B12	5	5047	717.5	LTE B30	10	8020	2355	-	-	-	14.22	14.30
CA_2A-4A-5A-30A	LTE B4	20	20300	1745	QPSK	1	99	2100	2145	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B30	10	8020	2355	-	-	-	14.30	14.30
CA_2A-4A-12A-30A	LTE B4	20	20300	1745	QPSK	1	99	2100	2145	LTE B4	20	2000	2120	LTE B12	10	5095	717.5	LTE B30	10	8020	2355	-	-	-	14.29	14.30
CA_4A-4A-5B	LTE B4	20	20300	1745	QPSK	1	99	2100	2145	LTE B4	20	2000	2120	LTE B5	10	2525	881.5	LTE B3	5	2463	874.5	-	-	-	14.30	14.30
CA_4A-4A-8B	LTE B4	20	20300	1745	QPSK	1	99	2100	2145	LTE B4	20	2000	2120	LTE B8	10	3100	2655	-	-	-	-	-	-	-	14.26	14.30
CA_4A-4A-8C	LTE B4	20	20300	1745	QPSK	1	99	2100	2145	LTE B46	20	50665	5537.5	LTE B46	20	47000	5180	-	-	-	-	-	-	-	14.26	14.30
CA_4A-4A-5A-30B	LTE B4	20	20300	1745	QPSK	1	99	2100	2145	LTE B4	20	2000	2120	LTE B5	10	2525	881.5	LTE B30	10	8020	2355	-	-	-	14.23	14.30
CA_4A-4A-8A-30B	LTE B4	20	20300	1745	QPSK	1	99	2100	2145	LTE B4	20	2000	2120	LTE B8	10	3100	2655	LTE B30	10	8020	2355	-	-	-	14.26	14.30
CA_4A-4A-5A-30D	LTE B4	20	20300	1745	QPSK	1	99	2100	2145	LTE B46	20	50665	5537.5	LTE B46	20	47000	5180	LTE B46	20	47000	5180	-	-	-	14.23	14.30
CA_4A-4A-5A-30D	LTE B4	20	20300	1745	QPSK	1	99	2100	2145	LTE B46	20	50665	5537.5	LTE B46	20	47000	5180	LTE B46	20	47000	5180	-	-	-	14.23	14.30
CA_4A-4A-5A-30D	LTE B4	20	20300	1745	QPSK	1	99	2100	2145	LTE B46	20	50665	5537.5	LTE B46	20	47000	5180	LTE B46	20	47000	5180	-	-	-	14.23	14.30

1.3.9

LTE Band 66 as PCC

Table 19
Output Powers – Ant 2A

Combination	PCC Band	PCC BW [MHz]	PCC					SCC 1					SCC 2					SCC 3					SCC 4					Power			
			PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)				
CA 2A-66A	LTE-B66	15	132047	1717.5	15QAM	5	36	66511	2117.5	LTE-B62	20	900	1960	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.09	14.70	
CA 7A-66A	LTE-B66	15	132047	1717.5	15QAM	5	36	66511	2117.5	LTE-B72	10	3300	2605	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.07	14.70	
CA 12A-66A(1)	LTE-B66	15	132047	1717.5	15QAM	5	36	66511	2117.5	LTE-B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.07	14.70	
CA 12A-66A(2)	LTE-B66	15	132047	1717.5	15QAM	5	36	66511	2117.5	LTE-B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.07	14.70	
CA 2C-66A	LTE-B66	15	132047	1717.5	15QAM	5	36	66511	2117.5	LTE-B62	20	900	1960	LTE-B2	20	702	1940.2	-	-	-	-	-	-	-	-	-	-	-	-	14.07	14.70
CA 2A-66A-66A	LTE-B66	15	132047	1717.5	15QAM	5	36	66511	2117.5	LTE-B66	20	900	1960	LTE-B66	20	50665	5537.5	-	-	-	-	-	-	-	-	-	-	-	-	14.09	14.70
CA 2A-66A-71A	LTE-B66	15	132047	1717.5	15QAM	5	36	66511	2117.5	LTE-B66	20	900	1960	LTE-B71	20	68761	634.5	-	-	-	-	-	-	-	-	-	-	-	-	14.08	14.70
CA 2A-66A-66B	LTE-B66	15	132047	1717.5	15QAM	5	36	66511	2117.5	LTE-B13	10	5230	751	LTE-B46	20	50665	5537.5	-	-	-	-	-	-	-	-	-	-	-	-	14.08	14.70
CA 23A-66A-66A	LTE-B66	15	132047	1717.5	15QAM	5	36	66511	2117.5	LTE-B66	20	67236	2190	LTE-B66	20	9715	722.5	-	-	-	-	-	-	-	-	-	-	-	-	14.05	14.70
CA 4A-66A-66A	LTE-B66	15	132047	1717.5	15QAM	5	36	66511	2117.5	LTE-B46	20	50665	5537.5	LTE-B46	20	47090	5180	-	-	-	-	-	-	-	-	-	-	-	-	14.57	14.70
CA 4A-66A-66B	LTE-B66	15	132047	1717.5	15QAM	5	36	66511	2117.5	LTE-B66	20	67236	2190	LTE-B46	20	50665	5537.5	-	-	-	-	-	-	-	-	-	-	-	-	14.04	14.70
CA 4A-66A-71A	LTE-B66	15	132047	1717.5	15QAM	5	36	66511	2117.5	LTE-B66	20	67236	2190	LTE-B71	20	68761	634.5	-	-	-	-	-	-	-	-	-	-	-	-	14.56	14.70
CA 66C-71A	LTE-B66	15	132047	1717.5	15QAM	5	36	66511	2117.5	LTE-B66	20	66682	2134.6	LTE-B71	20	68761	634.5	-	-	-	-	-	-	-	-	-	-	-	-	14.70	14.70
CA 2A 2A-66A-66A	LTE-B66	15	132047	1717.5	15QAM	5	36	66511	2117.5	LTE-B66	20	67236	2190	LTE-B2	20	900	1960	LTE-B2	20	700	1940	-	-	-	-	-	-	-	-	14.55	14.70
CA 2A 2A-5A-66A	LTE-B66	15	132047	1717.5	15QAM	5	36	66511	2117.5	LTE-B66	20	900	1960	LTE-B2	20	700	1940	LTE-B5	10	2525	881.5	-	-	-	-	-	-	-	-	14.50	14.70
CA 2A 5A-66A-66A	LTE-B66	15	132047	1717.5	15QAM	5	36	66511	2117.5	LTE-B66	20	67236	2190	LTE-B2	20	900	1960	LTE-B12	10	5095	737.5	-	-	-	-	-	-	-	-	14.53	14.70
CA 2A 12A-66A	LTE-B66	15	132047	1717.5	15QAM	5	36	66511	2117.5	LTE-B66	20	900	1960	LTE-B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	14.53	14.70
CA 2A 12A-66C	LTE-B66	15	132047	1717.5	15QAM	5	36	66511	2117.5	LTE-B66	20	66682	2134.6	LTE-B2	20	900	1960	LTE-B12	10	5095	737.5	-	-	-	-	-	-	-	-	14.53	14.70
CA 2A 2A-13A-66A	LTE-B66	15	132047	1717.5	15QAM	5	36	66511	2117.5	LTE-B66	20	900	1960	LTE-B2	20	700	1940	LTE-B13	10	5230	751	-	-	-	-	-	-	-	-	14.50	14.70
CA 2A 13A-66A-66A	LTE-B66	15	132047	1717.5	15QAM	5	36	66511	2117.5	LTE-B66	20	67236	2190	LTE-B66	20	900	1960	LTE-B13	10	5230	751	-	-	-	-	-	-	-	-	14.57	14.70
CA 2A 13A-66B	LTE-B66	15	132047	1717.5	15QAM	5	36	66511	2117.5	LTE-B66	20	66604	2126.8	LTE-B2	20	900	1960	LTE-B13	10	5230	751	-	-	-	-	-	-	-	-	14.55	14.70
CA 2A 2A-14A-66A	LTE-B66	15	132047	1717.5	15QAM	5	36	66511	2117.5	LTE-B66	20	66682	2134.6	LTE-B2	20	900	1960	LTE-B13	10	5230	751	-	-	-	-	-	-	-	-	14.47	14.70
CA 2A 2A-14A-66B	LTE-B66	15	132047	1717.5	15QAM	5	36	66511	2117.5	LTE-B66	20	67236	2190	LTE-B2	20	900	1960	LTE-B14	10	5330	763	-	-	-	-	-	-	-	-	14.53	14.70
CA 2A 2A-10A-66A	LTE-B66	15	132047	1717.5	15QAM	5	36	66511	2117.5	LTE-B2	20	900	1960	LTE-B2	20	700	1940	LTE-B30	10	8620	2355	-	-	-	-	-	-	-	-	14.52	14.70
CA 2A-66C-66A	LTE-B66	15	132047	1717.5	15QAM	5	36	66511	2117.5	LTE-B66	20	66682	2134.6	LTE-B66	20	50665	5537.5	LTE-B46	20	50665	5537.5	-	-	-	-	-	-	-	-	14.49	14.70
CA 2A 5A-10A-66A	LTE-B66	15	132047	1717.5	15QAM	5	36	66511	2117.5	LTE-B66	20	900	1960	LTE-B5	10	2525	881.5	LTE-B30	10	8620	2355	-	-	-	-	-	-	-	-	14.51	14.70
CA 2A 12A-30A-66A	LTE-B66	15	132047	1717.5	15QAM	5	36	66511	2117.5	LTE-B66	20	900	1960	LTE-B12	10	5095	737.5	LTE-B30	10	8620	2355	-	-	-	-	-	-	-	-	14.57	14.70
CA 2A 2A-20A-66A-66A	LTE-B66	15	132047	1717.5	15QAM	5	36	66511	2117.5	LTE-B66	20	900	1960	LTE-B2	20	700	1940	LTE-B5	10	2525	881.5	-	-	-	-	-	-	-	-	14.49	14.70
CA 5A-66D	LTE-B66	15	132047	1717.5	15QAM	5	36	66511	2117.5	LTE-B66	20	66682	2134.6	LTE-B66	20	66853	2151.7	LTE-B5	10	2525	881.5	-	-	-	-	-	-	-	-	14.50	14.70
CA 5A-66A-66B	LTE-B66	15	132047	1717.5	15QAM	5	36	66511	2117.5	LTE-B66	20	67236	2190	LTE-B66	20	50665	5537.5	LTE-B46	20	50665	5537.5	-	-	-	-	-	-	-	-	14.49	14.70
CA 5A-66C-66A	LTE-B66	15	132047	1717.5	15QAM	5	36	66511	2117.5	LTE-B66	20	67236	2190	LTE-B66	20	67236	2190	LTE-B5	10	2525	881.5	-	-	-	-	-	-	-	-	14.50	14.70
CA 5A-30A-66A-66A	LTE-B66	15	132047	1717.5	15QAM	5	36	66511	2117.5	LTE-B66	20	67236	2190	LTE-B5	10	2525	881.5	LTE-B30	10	8620	2355	-	-	-	-	-	-	-	-	14.51	14.70
CA 13A 30A-66A-66A	LTE-B66	15	132047	1717.5	15QAM	5	36	66511	2117.5	LTE-B66	20	67236	2190	LTE-B12	10	5095	737.5	LTE-B30	10	8620	2355	-	-	-	-	-	-	-	-	14.50	14.70
CA 13A-66A-66B	LTE-B66	15	132047	1717.5	15QAM	5	36	66511	2117.5	LTE-B66	20	67236	2190	LTE-B12	10	5095	737.5	LTE-B30	10	8620	2355	-	-	-	-	-	-	-	-	14.51	14.70
CA 13A-66A-66C	LTE-B66	15	132047	1717.5	15QAM	5	36	66511	2117.5	LTE-B66	20	67236	2190	LTE-B12	10	5095	737.5	LTE-B30	10	8620	2355	-	-	-	-	-	-	-	-	14.52	14.70
CA 14A 30A-66A-66A	LTE-B66	15	132047	1717.5	15QAM	5	36	66511	2117.5	LTE-B66	20	67236	2190	LTE-B14	10	5330	763	LTE-B30	10	8620	2355	-	-	-	-	-	-	-	-	14.55	14.70
CA 6A-66C-66A	LTE-B66	15	132047	1717.5	15QAM	5	36	66511	2117.5	LTE-B46	20	50665	5537.5	LTE-B46	20	50665	5537.7	LTE-B46	20	50665	5537.7	-	-	-	-	-	-	-	-	14.46	14.70
CA 4C-66C-66A	LTE-B66	15	132047	1717.5	15QAM	5	36	66511	2117.5	LTE-B46	20	50665	5537.5	LTE-B46	20	50665	5537.5	LTE-B46	20	50665	5537.5	-	-	-	-	-	-	-	-	14.46	14.70
CA 5A-66B-66A	LTE-B66	15	132047	1717.5	15QAM	5	36	66511	2117.5	LTE-B66	20	66604	2126.8	LTE-B66	20	67236	2190	LTE-B5	10	2525	881.5	-	-	-	-	-	-	-	-	14.49	14.70
CA 5A-66C-66A	LTE-B66	15	132047	1717.5	15QAM	5	36	66511	2117.5	LTE-B66	20	66682	2134.6	LTE-B66	20	67236	2190	LTE-B5	10	2525	881.5	-	-	-	-	-	-	-	-	14.51	14.70
CA 13A-66C-66A	LTE-B66	15	132047	1717.5	15QAM	5	36	66511	2117.5	LTE-B66	20	66682	2134.6	LTE-B66	20	67236	2190	LTE-B13	10	5230	751	-	-	-	-	-	-	-	-	14.54	14.70
CA 13A-66C-66B	LTE-B66	15	132047	1717.5	15QAM	5	36	66511	2117.5	LTE-B66	20	66604	2126.8	LTE-B66	20	67236	2190	LTE-B13	10	5230	751	-	-	-	-	-	-	-	-	14.54	14.70
CA 2A 2A-66B-66A	LTE-B66	15	132047	1717.5	15QAM	5	36	66511	2117.5	LTE-B66	20	66682	2134.6	LTE-B66	20	67236	2190	LTE-B13	10	5230	751	-	-	-	-	-	-	-	-	14.46	

Output Powers – Ant 4A

Combination	PCC Band	PCC BW [MHz]	PCC				SSC 1				SSC 2				SSC 3				SSC 4				Power		
			PCC [UL] Freq. [MHz]	PCC [DL] Freq. [MHz]	PCC UL RB Offset	PCC UL RB	PCC [UL] Ch. Channel	PCC [DL] Ch. Channel	SSC BW [MHz]	SSC [DL] Ch. Channel	SSC [UL] Ch. Channel	SSC [DL] Freq. [MHz]	SSC Band	SSC BW [MHz]	SSC [DL] Ch. Channel	SSC [UL] Ch. Channel	SSC [DL] Freq. [MHz]	SSC Band	SSC BW [MHz]	SSC [DL] Ch. Channel	SSC [UL] Ch. Channel	SSC [DL] Freq. [MHz]	LTE Tx Power with PC CA Enabled [dBm]	LTE Single Carrier Tx Power [dBm]	
CA 1-4.6A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B2	20	900	1960										14.95	15.00	
CA 1-7.6A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B7	20	1100	2655										14.95	15.00	
CA 12A-66A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B12	20	5095	727.5	-	-	-	-	-	-	-	-	-	14.90	15.00	
CA 12A-10	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B12	20	5095	727.5	-	-	-	-	-	-	-	-	-	15.00	15.00	
CA 2A-66A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B2	20	900	1960	LTE B2	20	700	1960	LTE B2	20	700	1960	14.98	15.00	14.98	15.00
CA 2A-66A-66A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B2	20	900	1960	LTE B2	20	700	1960	LTE B2	20	700	1960	14.98	15.00	14.98	15.00
CA 13A-66A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B13	20	5120	751	LTE B46	20	50665	5537.5	LTE B46	20	50665	5537.5	14.98	15.00	14.98	15.00
CA 28A-66A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B2	20	900	1960	14.90	15.00	14.90	15.00
CA 46A-66A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B66	20	50665	5537.5	LTE B46	20	47900	5380	LTE B46	20	47900	5380	15.00	15.00	15.00	15.00
CA 46A-66A-66A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B2	20	900	1960	14.90	15.00	14.90	15.00
CA 46A-66A-71A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B66	20	67236	2190	LTE B71	20	47900	634.5	LTE B71	20	47900	634.5	14.90	15.00	14.90	15.00
CA 46A-66A-71A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B66	20	67236	2190	LTE B71	20	47900	634.5	LTE B71	20	47900	634.5	14.90	15.00	14.90	15.00
CA 2A-2A-66A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B2	20	900	1960	14.99	15.00	14.99	15.00
CA 2A-2A-66A-66A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B2	20	900	1960	LTE B2	20	700	1960	LTE B2	20	700	1960	14.98	15.00	14.98	15.00
CA 2A-2A-66A-66A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B2	20	900	1960	14.96	15.00	14.96	15.00
CA 2A-12A-66A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B12	20	1095	727.5	14.93	15.00	14.93	15.00
CA 2A-12A-66A-66A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B12	20	1095	727.5	14.97	15.00	14.97	15.00
CA 2A-13A-66A-66A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B13	20	1320	751	14.98	15.00	14.98	15.00
CA 2A-13A-66A-66A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B13	20	1320	751	14.97	15.00	14.97	15.00
CA 2A-14A-66A-66A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B14	20	1320	751	14.97	15.00	14.97	15.00
CA 2A-14A-66A-66A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B14	20	1320	751	14.99	15.00	14.99	15.00
CA 2A-14A-66A-66A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B14	20	1320	751	14.99	15.00	14.99	15.00
CA 2A-2A-10A-66A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B2	20	900	1960	LTE B2	20	700	1960	LTE B10	20	1240	751	14.97	15.00	14.97	15.00
CA 2A-46C-66A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B2	20	900	1960	LTE B2	20	50665	5537.5	LTE B46	20	50665	5537.5	14.97	15.00	14.97	15.00
CA 2A-10A-66A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B2	20	900	1960	LTE B5	15	2525	881.5	LTE B10	20	9820	2355	15.00	15.00	15.00	15.00
CA 2A-12A-66A-66A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B2	20	900	1960	LTE B12	20	5095	727.5	LTE B10	20	9820	2355	14.97	15.00	14.97	15.00
CA 2A-14A-30A-66A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B2	20	900	1960	LTE B14	20	5330	763	LTE B10	20	9820	2355	14.90	15.00	14.90	15.00
CA 2A-14A-30A-66A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B2	20	900	1960	LTE B14	20	5330	763	LTE B10	20	9820	2355	14.90	15.00	14.90	15.00
CA 2A-14A-30A-66A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B2	20	900	1960	LTE B14	20	5330	763	LTE B10	20	9820	2355	14.90	15.00	14.90	15.00
CA 2A-14A-30A-66A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B2	20	900	1960	LTE B14	20	5330	763	LTE B10	20	9820	2355	14.90	15.00	14.90	15.00
CA 2A-14A-30A-66A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B2	20	900	1960	LTE B14	20	5330	763	LTE B10	20	9820	2355	14.90	15.00	14.90	15.00
CA 2A-14A-30A-66A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B2	20	900	1960	LTE B14	20	5330	763	LTE B10	20	9820	2355	14.90	15.00	14.90	15.00
CA 2A-14A-30A-66A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B2	20	900	1960	LTE B14	20	5330	763	LTE B10	20	9820	2355	14.90	15.00	14.90	15.00
CA 2A-14A-30A-66A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B2	20	900	1960	LTE B14	20	5330	763	LTE B10	20	9820	2355	14.90	15.00	14.90	15.00
CA 2A-14A-30A-66A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B2	20	900	1960	LTE B14	20	5330	763	LTE B10	20	9820	2355	14.90	15.00	14.90	15.00
CA 2A-14A-30A-66A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B2	20	900	1960	LTE B14	20	5330	763	LTE B10	20	9820	2355	14.90	15.00	14.90	15.00
CA 2A-14A-30A-66A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B2	20	900	1960	LTE B14	20	5330	763	LTE B10	20	9820	2355	14.90	15.00	14.90	15.00
CA 2A-14A-30A-66A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B2	20	900	1960	LTE B14	20	5330	763	LTE B10	20	9820	2355	14.90	15.00	14.90	15.00
CA 2A-14A-30A-66A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B2	20	900	1960	LTE B14	20	5330	763	LTE B10	20	9820	2355	14.90	15.00	14.90	15.00
CA 2A-14A-30A-66A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B2	20	900	1960	LTE B14	20	5330	763	LTE B10	20	9820	2355	14.90	15.00	14.90	15.00
CA 2A-14A-30A-66A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B2	20	900	1960	LTE B14	20	5330	763	LTE B10	20	9820	2355	14.90	15.00	14.90	15.00
CA 2A-14A-30A-66A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B2	20	900	1960	LTE B14	20	5330	763	LTE B10	20	9820	2355	14.90	15.00	14.90	15.00
CA 2A-14A-30A-66A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B2	20	900	1960	LTE B14	20	5330	763	LTE B10	20	9820	2355	14.90	15.00	14.90	15.00
CA 2A-14A-30A-66A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B2	20	900	1960	LTE B14	20	5330	763	LTE B10	20	9820	2355	14.90	15.00	14.90	15.00
CA 2A-14A-30A-66A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B2	20	900	1960	LTE B14	20	5330	763	LTE B10	20	9820	2355	14.90	15.00	14.90	15.00
CA 2A-14A-30A-66A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B2	20	900	1960	LTE B14	20	5330	763	LTE B10	20	9820	2355	14.90	15.00	14.90	15.00
CA 2A-14A-30A-66A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B2	20	900	1960	LTE B14	20	5330	763	LTE B10	20	9820	2355	14.90	15.00	14.90	15.00
CA 2A-14A-30A-66A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B2	20	900	1960	LTE B14	20	5330	763	LTE B10	20	9820	2355	14.90	15.00	14.90	15.00
CA 2A-14A-30A-66A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B2	20	900	1960	LTE B14	20	5330	763	LTE B10	20	9820	2355	14.90	15.00	14.90	15.00
CA 2A-14A-30A-66A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B2	20	900	1960	LTE B14	20	5330	763	LTE B10	20	9820	2355	14.90	15.00	14.90	15.00
CA 2A-14A-30A-66A	1.866	20	132322	1745	OPX	1	99	66786	2145	LTE B2	20	900	1960	LTE B14	20	5330	763	LTE B10	20	9820	2355	14.90	15.00	14.90	15.00

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	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B82	20	900	1960	1715	0	900	1960	1715	20	700	1940	14.38	14.47	
CA 2A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B82	20	900	1960	1715	0	900	1960	1715	20	700	1940	14.47	14.47	
CA 12A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B82	10	5095	777.5	1715	0	5095	777.5	1715	0	5095	777.5	14.42	14.47	
CA 12A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B82	10	5095	777.5	1715	0	5095	777.5	1715	0	5095	777.5	14.49	14.49	
CA 2A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B82	20	900	1960	1715	20	700	1960	1715	20	700	1940	14.46	14.47	
CA 2A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B82	20	900	1960	1715	20	700	1960	1715	20	700	1940	14.45	14.47	
CA 2A-66A-71A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B82	20	900	1960	1715	20	700	1960	1715	20	700	1940	14.39	14.47	
CA 13A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B82	10	5210	50665	5317.5	1715	0	5210	50665	5317.5	1715	0	5210	14.42	14.47
CA 29A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B86	20	67326	2190	1715	0	67326	2190	1715	0	67326	2190	14.38	14.47	
CA 46A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B86	20	50665	5317.5	1715	0	50665	5317.5	1715	0	50665	5317.5	14.42	14.47	
CA 86A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B86	20	67326	2190	1715	0	67326	2190	1715	0	67326	2190	14.46	14.47	
CA 66A-66A-71A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B86	20	67326	2190	1715	0	67326	2190	1715	0	67326	2190	14.39	14.47	
CA 2A-66A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B86	20	66820	2129.4	1715	0	66820	2129.4	1715	0	66820	2129.4	14.42	14.47	
CA 2A-66A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B86	20	67326	2190	1715	0	67326	2190	1715	0	67326	2190	14.46	14.47	
CA 2A-2A-5A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B82	20	900	1960	1715	20	700	1960	1715	20	700	1940	14.40	14.47	
CA 2A-5A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B86	20	67326	2190	1715	0	67326	2190	1715	0	67326	2190	14.42	14.47	
CA 2A-5A-66A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B86	20	67326	2190	1715	0	67326	2190	1715	0	67326	2190	14.42	14.47	
CA 2A-13A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B86	20	66820	2129.4	1715	0	66820	2129.4	1715	0	66820	2129.4	14.42	14.47	
CA 2A-13A-66A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B86	20	67326	2190	1715	0	67326	2190	1715	0	67326	2190	14.46	14.47	
CA 2A-13A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B86	20	66820	2129.4	1715	0	66820	2129.4	1715	0	66820	2129.4	14.42	14.47	
CA 2A-13A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B86	20	67326	2190	1715	0	67326	2190	1715	0	67326	2190	14.46	14.47	
CA 2A-13A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B86	20	66820	2129.4	1715	0	66820	2129.4	1715	0	66820	2129.4	14.42	14.47	
CA 2A-13A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B86	20	67326	2190	1715	0	67326	2190	1715	0	67326	2190	14.46	14.47	
CA 2A-13A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B86	20	66820	2129.4	1715	0	66820	2129.4	1715	0	66820	2129.4	14.42	14.47	
CA 2A-13A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B86	20	67326	2190	1715	0	67326	2190	1715	0	67326	2190	14.46	14.47	
CA 2A-13A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B86	20	66820	2129.4	1715	0	66820	2129.4	1715	0	66820	2129.4	14.42	14.47	
CA 2A-13A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B86	20	67326	2190	1715	0	67326	2190	1715	0	67326	2190	14.46	14.47	
CA 2A-13A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B86	20	66820	2129.4	1715	0	66820	2129.4	1715	0	66820	2129.4	14.42	14.47	
CA 2A-13A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B86	20	67326	2190	1715	0	67326	2190	1715	0	67326	2190	14.46	14.47	
CA 2A-13A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B86	20	66820	2129.4	1715	0	66820	2129.4	1715	0	66820	2129.4	14.42	14.47	
CA 2A-13A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B86	20	67326	2190	1715	0	67326	2190	1715	0	67326	2190	14.46	14.47	
CA 2A-13A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B86	20	66820	2129.4	1715	0	66820	2129.4	1715	0	66820	2129.4	14.42	14.47	
CA 2A-13A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B86	20	67326	2190	1715	0	67326	2190	1715	0	67326	2190	14.46	14.47	
CA 2A-13A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B86	20	66820	2129.4	1715	0	66820	2129.4	1715	0	66820	2129.4	14.42	14.47	
CA 2A-13A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B86	20	67326	2190	1715	0	67326	2190	1715	0	67326	2190	14.46	14.47	
CA 2A-13A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B86	20	66820	2129.4	1715	0	66820	2129.4	1715	0	66820	2129.4	14.42	14.47	
CA 2A-13A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B86	20	67326	2190	1715	0	67326	2190	1715	0	67326	2190	14.46	14.47	
CA 2A-13A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B86	20	66820	2129.4	1715	0	66820	2129.4	1715	0	66820	2129.4	14.42	14.47	
CA 2A-13A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B86	20	67326	2190	1715	0	67326	2190	1715	0	67326	2190	14.46	14.47	
CA 2A-13A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B86	20	66820	2129.4	1715	0	66820	2129.4	1715	0	66820	2129.4	14.42	14.47	
CA 2A-13A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B86	20	67326	2190	1715	0	67326	2190	1715	0	67326	2190	14.46	14.47	
CA 2A-13A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B86	20	66820	2129.4	1715	0	66820	2129.4	1715	0	66820	2129.4	14.42	14.47	
CA 2A-13A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B86	20	67326	2190	1715	0	67326	2190	1715	0	67326	2190	14.46	14.47	
CA 2A-13A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B86	20	66820	2129.4	1715	0	66820	2129.4	1715	0	66820	2129.4	14.42	14.47	
CA 2A-13A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B86	20	67326	2190	1715	0	67326	2190	1715	0	67326	2190	14.46	14.47	
CA 2A-13A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B86	20	66820	2129.4	1715	0	66820	2129.4	1715	0	66820	2129.4	14.42	14.47	
CA 2A-13A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B86	20	67326	2190	1715	0	67326	2190	1715	0	67326	2190	14.46	14.47	
CA 2A-13A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B86	20	66820	2129.4	1715	0	66820	2129.4	1715	0	66820	2129.4	14.42	14.47	
CA 2A-13A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B86	20	67326	2190	1715	0	67326	2190	1715	0	67326	2190	14.46	14.47	
CA 2A-13A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B86	20	66820	2129.4	1715	0	66820	2129.4	1715	0	66820	2129.4	14.42	14.47	
CA 2A-13A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B86	20	67326	2190	1715	0	67326	2190	1715	0	67326	2190	14.46	14.47	
CA 2A-13A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B86	20	66820	2129.4	1715	0	66820	2129.4	1715	0	66820	2129.4	14.42	14.47	
CA 2A-13A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B86	20	67326	2190	1715	0	67326	2190	1715	0	67326	2190	14.46	14.47	
CA 2A-13A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486	2115	LTE B86	20	66820	2129.4	1715	0	66820	2129.4	1715	0	66820	2129.4	14.42	14.47	
CA 2A-13A-66A	LTE B86	10	130202	1715	QAM64	1	0	66486																

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

LTE Band 2 as PCC

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	17.88	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	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5	QPSK	1	0	Q25	1902.5	17.8112	10	5095	727.5	-	-	1800	1802	13.95	14.00
CA 2A-2A	LTE B2	20	1800	1802.5															

Table 24
Output Powers – Ant 2B

[illegible]

FCC ID: BCGA2013



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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 (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 (UL) Channel	SCC (UL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (UL) Channel	SCC (UL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) 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	2182.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.20	15.20	
CA 2A-12A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B2	20	5095	5100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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	1885	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	1859.8	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	1859.8	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	1859.8	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	1859.8	LTE B30	10	8820	2355	-	-	-	-	-	-	-	-	-	-	-	-	15.20	15.20	
CA 2A-2A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B2	20	1100	1860	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	1859.8	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	-	-	-	-	15.30	15.20	
CA 2A-2A-71A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B2	20	1100	1860	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	2182.5	LTE B13	10	5047	732.7	-	-	-	-	-	-	-	-	-	-	-	-	15.20	15.20	
CA 2A-4A-71A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B4	20	2175	2182.5	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	1860	LTE B4	20	2175	2182.5	LTE B4	10	2350	2150	-	-	-	-	-	-	-	-	-	15.20	15.20
CA 2A-2A-12A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B2	20	1100	1860	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 B2	20	1100	1860	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	50665	5537.7	LTE B46	20	52940	5825	-	-	-	-	-	-	-	-	15.20	15.20	
CA 2A-2A-4A-5A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B2	20	1100	1860	LTE B4	20	2175	2182.5	LTE B5	10	2525	881.5	-	-	-	-	-	-	-	-	-	15.20	15.20
CA 2A-4A-5A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B4	20	2175	2182.5	LTE B4	20	2350	2150	LTE B5	10	2525	881.5	-	-	-	-	-	-	-	-	15.21	15.20	
CA 2A-4A-5B	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B4	20	2175	2182.5	LTE B5	10	2525	881.5	LTE B5	10	5047	732.7	-	-	-	-	-	-	-	-	15.20	15.20	
CA 2A-4A-112A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B2	20	1100	1860	LTE B4	20	2175	2182.5	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	15.20	15.20
CA 2A-4A-46-12A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B4	20	2175	2182.5	LTE B4	20	2350	2150	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	2182.5	LTE B12	10	5095	737.5	LTE B12	10	5047	732.7	-	-	-	-	-	-	-	-	15.20	15.20	
CA 2A-2A-5A-30A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B2	20	1100	1860	LTE B5	10	2525	881.5	LTE B30	10	8820	2355	-	-	-	-	-	-	-	-	15.30	15.20	
CA 2A-2A-5A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B2	20	1100	1860	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	1860	LTE B6	20	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	1860	LTE B12	10	5095	737.5	LTE B30	10	8820	2355	-	-	-	-	-	-	-	-	15.22	15.20	
CA 2A-2A-12A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1840	LTE B2	20	1100	1860	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	21											

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				SCC 1				SCC 2				SCC 3				SCC 4				Power				
			PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx Power with SC CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_3C_30A	LTE B30	5	27710	2310	16QAM	1	24	9820	2355	LTE B2	20	900	1960	LTE B2	20	703	1940	-	-	-	-	-	-	-	-	12.56	12.60
CA_2A-2A-5A-30A	LTE B30	5	27710	2310	16QAM	1	24	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B5	10	2525	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	5095	737.5	-	-	-	-	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-5A-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	-	-	-	-	12.60	12.60
CA_2A-12A-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 B66	20	66786	2145	-	-	-	-	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	66786	2145	-	-	-	-	12.51	12.60
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	66786	2145	-	-	-	-	12.60	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	66786	2145	-	-	-	-	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	66786	2145	12.31	12.60

Table 32
Output Powers – Ant 2B

Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch	PCC				PCC (DL) Channel	PCC (DL) Freq [MHz]	SCC Band	SCC 1				SCC 2				SCC 3				SCC 4				Power			
				Mod.	PCC UL# RB	PCC UL RB Offset	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]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq [MHz]	LTE Tx Power with DC CA Enabled (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	-	-	-	-	-	-	-	-	-	-	12.90	12.96	
CA 2A-2A-5A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B2	20	703	1940	LTE B15	10	2525	881.5	-	-	-	-	-	-	-	12.90	12.96
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	-	-	-	-	-	-	-	12.79	12.96
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	-	-	-	-	-	-	-	12.86	12.96
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	-	-	-	-	-	-	-	12.80	12.96
CA 2A-4A-5A-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	-	-	-	-	-	-	-	12.90	12.96
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	-	-	-	-	-	-	-	12.79	12.96
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	12.96
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	-	-	-	-	-	-	-	12.86	12.96
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	12.96
CA 2A-25A-30A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B15	10	2525	881.5	LTE B66	20	66786	2145	-	-	-	-	-	-	-	12.86	12.96
CA 2A-2A-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	12.96
CA 2A-2A-5A-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	-	-	-	-	-	-	-	12.80	12.96
CA 2A-4A-5A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B4	20	2175	2122.5	LTE B66	20	66786	2145	-	-	-	-	-	-	-	12.90	12.96
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 B66	20	66786	2145	-	-	-	-	-	-	-	12.86	12.96
CA 30-30A-30A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B6	20	6005	5737.5	LTE B66	20	66786	2145	LTE B66	20	66786	2145	-	-	-	-	-	-	-	12.86	12.96
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	-	-	-	-	-	-	-	12.86	12.96
CA 14A-10A-66A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B14	10	5310	763	LTE B66	20	66786	2145	LTE B66	20	66786	2145	-	-	-	-	-	-	-	12.86	12.96
CA 28-30-30A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B6	20	66786	2145	-	-	-	-	-	-	-	12.86	12.96
CA 30-30A-66A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B6	20	6005	5737.5	LTE B66	20	66786	2145	LTE B66	20	66786	2145	-	-	-	-	-	-	-	12.86	12.96

Table 33
Output Powers – Ant 4A

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]	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)				
		CA 2C-30A	LTE E80	5	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B5	10	7525	881.5	-	-	13.29	13.45
CA 2A-2A-30A	LTE E80	5	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960 <td>LTE B2</td> <td>20</td> <td>700</td> <td>1940<td>LTE B5<td>10</td><td>7525</td><th>881.5</th><td>-</td><td>-</td><td>13.31</td><td>13.45</td></td></td>	LTE B2	20	700	1940 <td>LTE B5<td>10</td><td>7525</td><th>881.5</th><td>-</td><td>-</td><td>13.31</td><td>13.45</td></td>	LTE B5 <td>10</td> <td>7525</td> <th>881.5</th> <td>-</td> <td>-</td> <td>13.31</td> <td>13.45</td>	10	7525	881.5	-	-	13.31	13.45		
CA 2A-2A-12A-30A	LTE E80	5	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960 <td>LTE B2</td> <td>20</td> <td>700</td> <td>1940<td>LTE B12</td><td>10</td><td>5095</td><th>797.5</th><td>-</td><td>-</td><td>13.31</td><td>13.45</td></td>	LTE B2	20	700	1940 <td>LTE B12</td> <td>10</td> <td>5095</td> <th>797.5</th> <td>-</td> <td>-</td> <td>13.31</td> <td>13.45</td>	LTE B12	10	5095	797.5	-	-	13.31	13.45		
CA 2A-2A-30A-66A	LTE E80	5	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960 <td>LTE B2</td> <td>20</td> <td>700</td> <td>1940<td>LTE B12</td><td>10</td><td>5095</td><th>797.5</th><td>-</td><td>-</td><td>13.31</td><td>13.45</td></td>	LTE B2	20	700	1940 <td>LTE B12</td> <td>10</td> <td>5095</td> <th>797.5</th> <td>-</td> <td>-</td> <td>13.31</td> <td>13.45</td>	LTE B12	10	5095	797.5	-	-	13.31	13.45		
CA 2A-4A-3A-30A	LTE E80	5	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960 <td>LTE B2</td> <td>20</td> <td>700</td> <td>1940<td>LTE B66</td><td>20</td><td>66786</td><th>2145</th><td>-</td><td>-</td><td>13.33</td><td>13.45</td></td>	LTE B2	20	700	1940 <td>LTE B66</td> <td>20</td> <td>66786</td> <th>2145</th> <td>-</td> <td>-</td> <td>13.33</td> <td>13.45</td>	LTE B66	20	66786	2145	-	-	13.33	13.45		
CA 2A-4A-12A-30A	LTE E80	5	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960 <td>LTE B4</td> <td>20</td> <td>2175</td> <td>2132.5</td> <td>LTE B5<td>10</td><td>7525</td><th>881.5</th><td>-</td><td>-</td><td>13.34</td><td>13.45</td></td>	LTE B4	20	2175	2132.5	LTE B5 <td>10</td> <td>7525</td> <th>881.5</th> <td>-</td> <td>-</td> <td>13.34</td> <td>13.45</td>	10	7525	881.5	-	-	13.34	13.45		
CA 2A-4A-30A-66A	LTE E80	5	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960 <td>LTE B4</td> <td>20</td> <td>2175</td> <td>2132.5</td> <td>LTE B12</td> <td>10</td> <td>5095</td> <th>797.5</th> <td>-</td> <td>-</td> <td>13.34</td> <td>13.45</td>	LTE B4	20	2175	2132.5	LTE B12	10	5095	797.5	-	-	13.34	13.45		
CA 2A-5A-30A-66A	LTE E80	5	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960 <td>LTE B4</td> <td>20</td> <td>2175</td> <td>2132.5</td> <td>LTE B12</td> <td>10</td> <td>5095</td> <th>797.5</th> <td>-</td> <td>-</td> <td>13.30</td> <td>13.45</td>	LTE B4	20	2175	2132.5	LTE B12	10	5095	797.5	-	-	13.30	13.45		
CA 2A-12A-30A-66A	LTE E80	5	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960 <td>LTE B12</td> <td>10</td> <td>2325</td> <td>881.5</td> <td>LTE B66</td> <td>20</td> <td>66786</td> <th>2145</th> <td>-</td> <td>-</td> <td>13.40</td> <td>13.45</td>	LTE B12	10	2325	881.5	LTE B66	20	66786	2145	-	-	13.40	13.45		
CA 2A-14A-30A-66A	LTE E80	5	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960 <td>LTE B14</td> <td>10</td> <td>5330</td> <td>763</td> <td>LTE B66</td> <td>20</td> <td>66786</td> <th>2145</th> <td>-</td> <td>-</td> <td>13.41</td> <td>13.45</td>	LTE B14	10	5330	763	LTE B66	20	66786	2145	-	-	13.41	13.45		
CA 2A-29A-30A-66A	LTE E80	5	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960 <td>LTE B29</td> <td>10</td> <td>9715</td> <td>722.5</td> <td>LTE B66</td> <td>20</td> <td>66786</td> <th>2145</th> <td>-</td> <td>-</td> <td>13.50</td> <td>13.45</td>	LTE B29	10	9715	722.5	LTE B66	20	66786	2145	-	-	13.50	13.45		
CA 4A-4A-3A-30A	LTE E80	5	27710	2310	QPSK	1	49	9820	2355	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B66	20	66786	2145	-	-	13.35	13.45		
CA 4A-4A-12A-30A	LTE E80	5	27710	2310	QPSK	1	49	9820	2355	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B12	10	5095	797.5	-	-	13.43	13.45		
CA 5A-30A-66A-66A	LTE E80	5	27710	2310	QPSK	1	49	9820	2355	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	13.45	13.45		
CA 12A-30A-66A-66A	LTE E80	5	27710	2310	QPSK	1	49	9820	2355	LTE B12	10	5095	797.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	13.42	13.45		
CA 14A-30A-66A-66A	LTE E80	5	27710	2310	QPSK	1	49	9820	2355	LTE B14	10	5330	763	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	13.42	13.45		
CA 5B-30A-66A	LTE E80	5	27710	2310	QPSK	1	49	9820	2355	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B66	20	66786	2145	-	-	13.48	13.45		
CA 5B-30A-66A-66A	LTE E80	5	27710	2310	QPSK	1	49	9820	2355	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B66	20	66786	2145	LTE B66	20	67236	2190	13.43	13.45

Table 34
Output Powers – Ant 4B

Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC				PCC (DL) Freq. [MHz]	SCC 1			SCC 2			SCC 3			SCC 4			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]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)	
CA 2C-30A	LTE E80	5	27710	2310	16QAM	1	24	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	-	-	-	-	-	-	-	-	13.20	13.19
CA 2A-2A-3A-30A	LTE E80	5	27710	2310	16QAM	1	24	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B5	10	2525	881.5	-	-	-	-	13.20	13.19
CA 2A-2A-12A-30A	LTE E80	5	27710	2310	16QAM	1	24	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B12	10	5005	797.5	-	-	-	-	13.10	13.19
CA 2A-2A-30A-66A	LTE E80	5	27710	2310	16QAM	1	24	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	-	-	-	-	13.10	13.19
CA 2A-4A-3A-30A	LTE E80	5	27710	2310	16QAM	1	24	9820	2355	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B5	10	2525	881.5	-	-	-	-	13.10	13.19
CA 2A-4A-12A-30A	LTE E80	5	27710	2310	16QAM	1	24	9820	2355	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B12	10	5005	797.5	-	-	-	-	13.10	13.19
CA 2A-4A-30A-66A	LTE E80	5	27710	2310	16QAM	1	24	9820	2355	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B29	10	9715	722.5	-	-	-	-	13.15	13.19
CA 2A-5A-30A-66A	LTE E80	5	27710	2310	16QAM	1	24	9820	2355	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	-	-	-	-	13.20	13.19
CA 2A-12A-30A-66A	LTE E80	5	27710	2310	16QAM	1	24	9820	2355	LTE B2	20	900	1960	LTE B12	10	5005	797.5	LTE B66	20	66786	2145	-	-	-	-	13.10	13.19
CA 2A-14A-30A-66A	LTE E80	5	27710	2310	16QAM	1	24	9820	2355	LTE B2	20	900	1960	LTE B14	10	5330	763	LTE B66	20	66786	2145	-	-	-	-	13.10	13.19
CA 2A-29A-30A-66A	LTE E80	5	27710	2310	16QAM	1	24	9820	2355	LTE B2	20	900	1960	LTE B29	10	9715	722.5	LTE B66	20	66786	2145	-	-	-	-	13.19	13.19
CA 4A-4A-3A-30A	LTE E80	5	27710	2310	16QAM	1	24	9820	2355	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B5	10	5005	797.5	-	-	-	-	13.10	13.19
CA 4A-4A-12A-30A	LTE E80	5	27710	2310	16QAM	1	24	9820	2355	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B12	10	5005	797.5	-	-	-	-	13.19	13.19
CA 5A-30A-66A-66A	LTE E80	5	27710	2310	16QAM	1	24	9820	2355	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	13.15	13.19
CA 12A-30A-66A-66A	LTE E80	5	27710	2310	16QAM	1	24	9820	2355	LTE B12	10	5005	797.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	13.10	13.19
CA 14A-30A-66A-66A	LTE E80	5	27710	2310	16QAM	1	24	9820	2355	LTE B14	10	5330	763	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	13.10	13.19
CA 2A-5B-30A-66A	LTE E80	5	27710	2310	16QAM	1	24	9820	2355	LTE B5	20	900	1960	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B66	20	66786	2145	12.88	13.19
CA 5B-30A-66A-66A	LTE E80	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	12.94	13.19

1.3.13 LTE Band 7 as PCC

Table 35
Output Powers – Ant 2A

Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC			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]	Power		
				Mod.	PCC UL RB	PCC UL RB Offset															LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)	
CA 5A-7A	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	LTE B5	10	2525	881.5	-	-	-	-	-	-	-	-	11.97	12.00
CA 7B	LTE B7	15	20825	2507.5	QPSK	1	0	2825	2627.5	LTE B7	5	2918	2636.8	-	-	-	-	-	-	-	-	12.00	11.97
CA 7C (1)	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	LTE B7	20	3040	2649.8	-	-	-	-	-	-	-	-	12.00	12.00
CA 7A-46A (1)	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	12.00	12.00
CA 7A-66A	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	LTE B46	20	66786	2145	-	-	-	-	-	-	-	-	12.00	12.00
CA 4A-4A-7A (1)	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	-	-	-	-	12.00	12.00
CA 4A-7A	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	LTE B7	20	3040	2649.8	LTE B4	20	2175	2132.5	-	-	-	-	12.00	12.00
CA 4A-7A-12A (1)	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	LTE B4	20	2175	2132.5	LTE B12	10	5005	797.5	-	-	-	-	11.90	12.00
CA 7A-46C (1)	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	11.94	12.00
CA 7A-46D (1)	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50663	5557.3	11.95	12.00

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	2942	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]	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA 41A-41A (1)	LTE B41	20	40185	2549.5	QPSK	1	50	40185	2549.5	LTE B41	20	41490	2680	-	-	-	-	-	-	-	-	-	-	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	15.00	15.00
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	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	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	41291	2591.1	LTE B41	20	40779	2608.9	-	-	-	-	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	40181	2591.1	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	41490	2680.4	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	15.00	15.00
CA 41A-41C-41C	LTE B41	20	40185	2549.5	QPSK	1	50	40185	2549.5	LTE B41	20	40185	2549.5	LTE B41	20	41490	2660.1	LTE B41	20	41490	2660.1	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 DC 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	-	-	-	-	-	-	-	-	-	-	-	14.73	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	2560.9	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	41490	2680	-	-	-	-	-	-	-	14.79	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	41490	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	40384	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	2560.9	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]							
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	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	2569.1	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	2569.1	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	40581	2569.1	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	2569.1	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 [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 with DC CA Enabled [dBm]	LTE Single Carrier Tx Power [dBm]
										SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC [DL] Channel	SCC [DL] Freq. [MHz]		
CA 41A-41A (1)	LTE B41 PC2	20	39750	2506	QPSK	1	99	39750	2506	LTE B41 PC2	20	41490	2680	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-
CA 41A-41D	LTE B41 PC2	20	39750	2506	QPSK	1	99	39750	2506	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	-	-	-	-	-	-	-	-	-	-
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	41292	2660.2	LTE B41 PC2	20	41490	2680	-	-	-	-	-	-
CA 41E	LTE B41 PC2	20	39750	2506	QPSK	1	99	39750	2506	LTE B41 PC2	20	39948	2525.8	LTE B41 PC2	20	40146	2545.6	LTE B41 PC2	20	40384	2565.4	-	-	-	-	-	-
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	40146	2545.6	LTE B41 PC2	20	41490	2680	-	-	-	-	-	-
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	40384	2564.4	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	-	-
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	40146	2545.6	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	-	-

Table 46
Output Powers – Ant 4B

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 DC 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-41E	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	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	-	-	-	-	14.99	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	-	-	-	-	14.98	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	40384	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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SAR EVALUATION REPORT

Reviewed by:
Quality ManagerTest Dates:
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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					SCC 1				SCC 2				SCC 3				Power								
						PCC UL RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)				
CA [2A]-12A	LTE B12	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Combination	PCC Band	PCC BW [MHz]	PCC (UL) Freq. [MHz]	Mod.	PCC					SCC 1					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.	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

PCC										SSC1				SSC2				SSC3				Power					
Combination	PCC Band	PCC BW [MHz]	PCC [UL] Ch.	PCC [UL] Freq. [MHz]	Mod.	PCC UL RB	PCC UL RB Offset	PCC [DL] Ch.	PCC [DL] Freq. [MHz]	DL Ant. Config.	SSC Band	SSC BW [MHz]	SSC [DL] Ch.	SSC [DL] Freq. [MHz]	DL Ant. Config.	SSC Band	SSC BW [MHz]	SSC [DL] Ch.	SSC [DL] Freq. [MHz]	DL Ant. Config.	SSC Band	SSC BW [MHz]	SSC [DL] Ch.	SSC [DL] Freq. [MHz]	DL Ant. Config.	LTE Tx Power with DL CA (mW)	LTE Single Carrier Tx Power (dBm)
CA [2A]-2A-13A	LTE B13	20	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]-4A-13A	LTE B13	20	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-[4A]-13A	LTE B13	20	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	21.28	21.30
CA [2A]-13A-46A	LTE B13	20	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	21.25	21.30
CA [2A]-13A-66A	LTE B13	20	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	21.29	21.30
CA [2A]-13A-66A	LTE B13	20	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	5	66786	2145	2x2 MIMO	-	-	-	-	-	21.29	21.30
CA [4A]-4A-13A	LTE B13	20	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	21.30	21.30
CA 13A-[6A]-66A	LTE B13	20	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	-	-	-	-	-	21.27	21.30
CA 13A-[66C]	LTE B13	20	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B66	15	66786	2145	4x4 MIMO	LTE B66	5	66879	2154.3	4x4 MIMO	-	-	-	-	-	21.30	21.30
CA 13A-[66C]	LTE B13	20	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	66984	2148.4	4x4 MIMO	-	-	-	-	-	21.29	21.30
CA 13A-46A-[66A]	LTE B13	20	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	21.30	21.30
CA [2A]-13A-66B	LTE B13	20	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	15	66786	2145	2x2 MIMO	LTE B66	5	66879	2154.3	2x2 MIMO	21.29	21.30
CA [2A]-13A-66B	LTE B13	20	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	15	66786	2145	2x2 MIMO	LTE B66	5	66984	2148.4	2x2 MIMO	21.29	21.30
CA 13A-[66A]-66B	LTE B13	20	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	5	67168	2183.2	2x2 MIMO	LTE B66	5	67236	2190	2x2 MIMO	21.27	21.30
CA 13A-[66A]-66C	LTE B13	20	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67038	2170.2	2x2 MIMO	LTE B66	20	67236	2190	2x2 MIMO	21.25	21.30
CA 13A-46C-[66A]	LTE B13	20	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50667	5570.2	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	21.24	21.30

Table 58

Combination	PCC Band	PCC										SCC1				SCC2				SCC3				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 CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA [2A]-2A-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]-4A-13A	LTE B13	10	23230	782	QPSK	1	49	5230	751	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	21.30	21.30
CA [2A]-14A-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-46A	LTE B13	10	23230	782	QPSK	1	49	5230	751	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	21.29	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 B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	21.30	21.30
CA [2A]-13A-66A	LTE B13	10	23230	782	QPSK	1	49	5230	751	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	21.29	21.30
CA [2A]-4A-66A	LTE B13	10	23230	782	QPSK	1	49	5230	751	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	21.29	21.30
CA [13A]-66A-66A	LTE B13	10	23230	782	QPSK	1	49	5230	751	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67230	2150	2x2 MIMO	-	-	-	-	-	21.27	21.30
CA [13A]-66A	LTE B13	10	23230	782	QPSK	1	49	5230	751	2x2 MIMO	LTE B66	15	66786	2145	2x2 MIMO	LTE B66	5	66786	2154.3	4x4 MIMO	-	-	-	-	-	21.25	21.30
CA [13A]-66C	LTE B13	10	23230	782	QPSK	1	49	5230	751	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	66894	2164.8	4x4 MIMO	-	-	-	-	-	21.29	21.30
CA [13A]-46A-66A	LTE B13	10	23230	782	QPSK	1	49	5230	751	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	21.27	21.30
CA [2A]-13A-66B	LTE B13	10	23230	782	QPSK	1	49	5230	751	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	15	66786	2145	2x2 MIMO	-	-	-	-	-	21.21	21.30
CA [2A]-13A-66C	LTE B13	10	23230	782	QPSK	1	49	5230	751	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	21.30	21.30
CA [13A]-66A-66B	LTE B13	10	23230	782	QPSK	1	49	5230	751	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	15	66786	2145	2x2 MIMO	-	-	-	-	-	21.29	21.30
CA [13A]-66A-66B	LTE B13	10	23230	782	QPSK	1	49	5230	751	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	LTE B66	20	67038	2107.2	2x2 MIMO	-	-	-	-	-	2	
CA [13A]-46A-66A	LTE B13	10	23230	782	QPSK	1	49	5230	751	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5572.7	2x2 MIMO	-	-	-	-	-	21.28	21.30

1.4.6

LTE Band 14 as PCC

Table 59

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 [2A]-2A-1A	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]-1A-30A	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]-2A-66A	LTE B14	10	23330	793	16QAM	1	0	5330	763	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	21.28	21.24
CA [2A]-1A-66A	LTE B14	70	23330	793	16QAM	1	0	5330	763	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	21.28	21.24
CA [14A]-66A-66A	LTE B14	10	23330	793	16QAM	1	0	5330	763	2x2 MIMO	LTE B66	20	66786	2155	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	21.21	21.24
CA [14A]-30A-66A	LTE B14	10	23330	793	16QAM	1	0	5330	763	2x2 MIMO	LTE B30	10	9820	2345	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	21.24	21.24

Table 60

Combination	PCC Band	PCC BW [MHz]	PCC UL Ch.	PCC										SCC 1				SCC 2				Power	
				Mod.	PCC UL# RB	PCC UL RB Offset	PCC UL Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx-Power with DL CA Enabled [dBm]	LTE Single Carrier Tx Power (dBm)		
CA [2A]-2A-14A	LTE B14	10	23330	793	QPSK	1	0	5330	763	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	21.28	21.28	
CA 2A-14A-[30A]	LTE B14	10	23330	793	QPSK	1	0	5330	763	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	21.26	21.28	
CA [2A]-14A-66A	LTE B14	10	23330	793	QPSK	1	0	5330	763	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	21.20	21.28	
CA 2A-14A-[66A]	LTE B14	10	23330	793	QPSK	1	0	5330	763	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	21.26	21.28	
CA 14A-[66A]-66A	LTE B14	10	23330	793	QPSK	1	0	5330	763	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	21.25	21.28	
CA 14A-[30A]-66A	LTE B14	10	23330	793	QPSK	1	0	5330	763	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	21.25	21.28	

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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] 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	4x4 MIMO	LTE B66	20	66786	2145	2x2 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	4x4 MIMO	-	-	-	-	-	-	20.29	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	20.25	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 B4	20	2175	2132.5	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 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	-	-	-	-	-	-	-	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 B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 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 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

[illegible]

Table 66
Output Powers – Ant 2B

SCC1																									SCC2					SCC3					Power	
Combination	PCC Band	PCC BW [MHz]	PCC [UL] PCC [DL]	Freq. [MHz]	Mod.	PCC UL RB	PCC UL RS 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 DC CA (dBm)	LTE Single Carrier Tx Power (dBm)									
CA [2A]-4A	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.23	14.30								
CA [2A]-4A-5A	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.25	14.30								
CA [2A]-4A-5A (I)	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.28	14.30								
CA [4A]-12A (I)	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.26	14.30								
CA [4A]-17A	LTE B4	10	20350	1750	QPSK	1	0	2350	2150	4x4 MIMO	LTE B17	10	5790	740	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.24	14.30								
CA [4A]-29A	LTE B4	10	20350	1750	QPSK	1	0	2350	2150	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.25	14.30								
CA [4A]-69A	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.24	14.30								
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	-	-	-	-	-	-	-	14.22	14.30							
CA [2A]-4A-1A	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	1120	2x2 MIMO	-	-	-	-	-	-	-	14.27	14.30								
CA [2A]-4A-5A	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B4	20	2050	2120	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	14.21	14.30							
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	-	-	-	-	-	-	-	14.22	14.30							
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	-	-	-	-	-	-	-	14.28	14.30							
CA [2A]-4A-12A	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	14.29	14.30							
CA [2A]-4A-13A	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	-	-	-	-	-	-	-	14.29	14.30							
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	-	-	-	-	-	-	-	14.21	14.30							
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	-	-	-	-	-	-	-	14.25	14.30							
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	-	-	-	-	-	-	-	14.27	14.30							
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	-	-	-	-	-	-	-	14.22	14.30							
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	-	-	-	-	-	-	-	14.26	14.30							
CA [2A]-4A-30A	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	-	14.23	14.30							
CA [2A]-4A-71A	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B21	20	88761	634.5	2x2 MIMO	-	-	-	-	-	-	-	14.21	14.30							
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	86761	634.5	2x2 MIMO	-	-	-	-	-	-	-	14.29	14.30							
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	-	-	-	-	-	-	-	14.26	14.30							
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	-	-	-	-	-	-	-	14.24	14.30							
CA [4A]-4A-71A (I)	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	-	-	-	-	-	-	-	14.30	14.30							
CA [4A]-7A-71A (I)	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	-	-	-	-	-	-	-	14.30	14.30							
CA [4A]-7A-71A	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	LTE B7	20	2850	2600	2x2 MIMO	-	-	-	-	-	-	-	14.28	14.30							
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	-	-	-	-	-	-	-	14.24	14.30							
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	-	-	-	-	-	-	-	14.29	14.30							
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	-	-	-	-	-	-	-	14.26	14.30							
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	-	-	-	-	-	-	-	14.22	14.30							
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	-	-	-	-	-	-	-	14.28	14.30							
CA [4A]-4A-29A	LTE B4	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	-	-	-	-	-	-	-	14.28	14.30							
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	-	-	-	-	-	-	-	14.29	14.30							
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	-	-	-	-	-	-	-	14.21	14.30							
CA [4A]-69C	LTE B4	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-71A	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B4	20	2050	2120	2x2 MIMO	LTE B71	20	86761	634.5	2x2 MIMO	-	-	-	-	-	-	-	14.23	14.30							
CA [4A]-4A-71A	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B4	20	2050	2120	4x4 MIMO	LTE B71	20	88761	634.5	2x2 MIMO	-	-	-	-	-	-	-	14.24	14.30							
CA [4A]-5A-30A (I)	LTE B4	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 (I)	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	-	-	-	-	-	-	-	14.25	14.30							
CA [4A]-12A-30A (I)	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	-	-	-	-	-	-	-	14.26	14.30							
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	-	-	-	-	-	-	-	14.23	14.30							
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	LTE B5	5	2453	874.3	2x2 MIMO	14.22	14.30									
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	LTE B5	5	2453	874.3	2x2 MIMO	14.25	14.30									
CA [2A]-4A-12B	LTE B4	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]-5A-12B	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	5	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	14.27	14.30									
CA [4A]-4A-5A	LTE B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LTE B4	20	2050	2120	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	14.26	14.30									
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	LTE B5	5	2453	874.3	2x2 MIMO	14.29	14.30									
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	14.24	14.30									
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																		

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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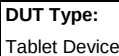
Output Powers – Ant 4A

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 CA (dBm)	LTE Single Carrier Tx Power (dBm)			
CA [2A]-4A	LT-B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LT-B2	20	900	1960	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.89	15.00		
CA [2A]-4A	LT-B4	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LT-B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.94	15.00	
CA [2A]-4A-12A	LT-B4	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LT-B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.93	15.00	
CA [4A]-12A	LT-B4	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LT-B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.97	15.00	
CA [4A]-12A	LT-B4	20	20300	1715	QPSK	1	49	2000	2115	4x4 MIMO	LT-B12	10	5790	740	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.97	14.95	
CA [4A]-29A	LT-B4	20	20300	1715	QPSK	1	49	2000	2115	4x4 MIMO	LT-B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.91	14.95	
CA [2A]-4A-12A	LT-B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LT-B2	20	900	1960	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.00	15.00	
CA [2A]-4A-12A	LT-B4	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LT-B4	20	2050	2120	2x2 MIMO	LT-B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.96	15.00
CA [2A]-4A-12A	LT-B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LT-B4	20	2050	2120	2x2 MIMO	LT-B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.95	15.00
CA [2A]-4A-5A	LT-B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LT-B2	20	900	1960	2x2 MIMO	LT-B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.95	15.00
CA [2A]-4A-5A	LT-B4	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LT-B2	20	900	1960	2x2 MIMO	LT-B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.96	15.00
CA [2A]-4A-12A	LT-B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LT-B2	20	900	1960	2x2 MIMO	LT-B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.98	15.00
CA [2A]-4A-12A	LT-B4	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LT-B2	20	900	1960	2x2 MIMO	LT-B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.93	15.00
CA [2A]-4A-13A	LT-B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LT-B2	20	900	1960	4x4 MIMO	LT-B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.93	15.00
CA [2A]-4A-13A	LT-B4	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LT-B2	20	900	1960	2x2 MIMO	LT-B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.87	15.00
CA [2A]-4A-29A	LT-B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LT-B2	20	900	1960	2x2 MIMO	LT-B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.97	15.00
CA [2A]-4A-29A	LT-B4	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LT-B2	20	900	1960	2x2 MIMO	LT-B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.97	14.95
CA [2A]-4A-30A	LT-B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LT-B2	20	900	1960	4x4 MIMO	LT-B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.99	15.00
CA [2A]-4A-30A	LT-B4	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LT-B2	20	900	1960	2x2 MIMO	LT-B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.98	15.00
CA [2A]-4A-30A	LT-B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LT-B2	20	900	1960	2x2 MIMO	LT-B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.87	15.00
CA [2A]-4A-71A	LT-B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LT-B2	20	900	1960	4x4 MIMO	LT-B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.97	15.00
CA [2A]-4A-71A	LT-B4	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LT-B2	20	900	1960	2x2 MIMO	LT-B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.96	15.00
CA [4A]-4A-5A	LT-B4	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LT-B4	20	2050	2120	2x2 MIMO	LT-B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.00	15.00
CA [4A]-4A-5A	LT-B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LT-B4	20	2050	2120	2x2 MIMO	LT-B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.97	15.00
CA [4A]-4A-71A	LT-B4	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LT-B4	20	2050	2120	2x2 MIMO	LT-B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.97	15.00
CA [4A]-4A-71A	LT-B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LT-B4	20	2050	2120	2x2 MIMO	LT-B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.00	15.00
CA [4A]-4A-71A	LT-B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LT-B7	20	3100	2655	2x2 MIMO	LT-B7	20	3100	2655	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.00	15.00
CA [4A]-7A-12A	LT-B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LT-B7	20	3100	2655	4x4 MIMO	LT-B7	20	2850	2680	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.98	15.00
CA [4A]-4A-12A	LT-B4	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LT-B4	20	2050	2120	2x2 MIMO	LT-B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.98	15.00
CA [4A]-4A-12A	LT-B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LT-B4	20	2050	2120	4x4 MIMO	LT-B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.94	15.00
CA [4A]-4A-13A	LT-B4	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LT-B4	20	2050	2120	2x2 MIMO	LT-B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.00	15.00
CA [4A]-4A-13A	LT-B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LT-B4	20	2050	2120	4x4 MIMO	LT-B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.00	15.00
CA [4A]-4A-29A	LT-B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LT-B29	10	9715	722.5	2x2 MIMO	LT-B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.98	15.00
CA [4A]-4A-29A	LT-B4	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LT-B4	20	2050	2120	2x2 MIMO	LT-B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.98	15.00
CA [4A]-4A-30A	LT-B4	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LT-B4	20	2050	2120	2x2 MIMO	LT-B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.99	15.00
CA [4A]-4A-30A	LT-B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LT-B4	20	2050	2120	4x4 MIMO	LT-B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.97	15.00
CA [4A]-4A-30A	LT-B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LT-B4	20	2050	2120	4x4 MIMO	LT-B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.98	15.00
CA [4A]-4A-71A	LT-B4	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LT-B4	20	2050	2120	2x2 MIMO	LT-B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.00	15.00
CA [4A]-4A-71A	LT-B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LT-B4	20	2050	2120	4x4 MIMO	LT-B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.98	15.00
CA [4A]-5A-5A	LT-B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LT-B5	10	2525	881.5	2x2 MIMO	LT-B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.97	15.00
CA [4A]-5A-5A	LT-B4	20	20300	1745	QPSK	1	99	2300	2145	4x4 MIMO	LT-B5	10	2525	881.5	2x2 MIMO	LT-B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.95	15.00
CA [4A]-12A-12A	LT-B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LT-B12	10	5095	737.5	2x2 MIMO	LT-B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.93	15.00
CA [4A]-29A-10A	LT-B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LT-B29	10	9715	722.5	2x2 MIMO	LT-B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.97	15.00
CA [2A]-4A-4A-5A	LT-B4	20	20300	1745	QPSK	1	99	2300	2145	2x2 MIMO	LT-B2	20	900	1960	4x4 MIMO	LT-B5	10	2525	881.5																	

Output Powers – Ant 4B

PCC																SSC1				SSC2				SSC3				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 [MHz] Freq.	DL Ant. Config.	SSC Band	SSC BW [MHz]	SSC [DL] Ch.	SSC Freq. [MHz]	DL Ant. Config.	SSC Band	SSC BW [MHz]	SSC [DL] Ch.	SSC Freq. [MHz]	DL Ant. Config.	SSC Band	SSC BW [MHz]	SSC [DL] Ch.	SSC Freq. [MHz]	DL Ant. Config.	SSC Band	SSC BW [MHz]	SSC [DL] Ch.	SSC Freq. [MHz]	DL Ant. Config.	LTE Tx Power With 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-1B	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]-2A-1B	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	4x4 MIMO	LTE B13	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.61	14.47	
CA [4A]-12A (2)	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	4x4 MIMO	LTE B2	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.43	14.47	
CA [4A]-12A	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	4x4 MIMO	LTE B17	10	5790	740	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.61	14.47	
CA [4A]-2A	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]-6E	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.48	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	900	1940	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.46	14.47
CA [2A]-4A-1A	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B4	20	2300	2145	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.61	14.47
CA [2A]-4A-4A	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	4x4 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	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.46	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-73A	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.60	14.47
CA [2A]-4A-73A	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	-	-	-	-	-	-	-	-	-	-	-	-	-	14.35	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-71A	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-71A (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	-	-	-	-	-	-	-	-	-	-	-	-	-	14.42	14.47
CA [4A]-73A-7A	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	2x2 MIMO	LTE B7	20	2300	2655	4x4 MIMO	LTE B7	20	2850	2630	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.43	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 B13	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 B13	10	5095	737.5	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	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	4x4 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.47	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	-	-	-	-	-	-	-	-	-	-	-	-	-	14.47	14.47
CA [4A]-6E	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.42	14.47
CA [4A]-4A-73A	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-73A	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 [4A]-73A-29A (1)	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]-73A-29A (1)	LTE B4	10	20000	1715	64QAM	1	0	2000	2115	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.47	14.47
CA [4A]-12A-13A	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	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	14.47	14.47
CA [4A]-29A-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	-	-	-	-	-	-	-	-	-	-	-	-	-	14.46	14.47
CA [2A]-4A-5B	LTE B4	10	20000	1715	64QAM	1	0	2000																											

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LTE Band 66 as PCC

Table 69
Output Powers – Ant 2A

Combination	PCC Band	PCC BW [MHz]	PCC [UL] Ch.	PCC [UL] Freq. [MHz]	Mod.	PCC		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]	Power (Single Carrier)	Power (LTE std)	
						PCC UL RB	PCC UL Offset																											
CA [2A]-66A	LTE B66	15	132047	1717.5	16QAM	1	36	66511	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.61	14.70		
CA [2A]-66A	LTE B66	15	132047	1717.5	16QAM	1	36	66511	2117.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.63	14.70	
CA [7A]-66A	LTE B66	15	132047	1717.5	16QAM	1	36	66511	2117.5	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.58	14.70	
CA [7A]-66A	LTE B66	15	132047	1717.5	16QAM	1	36	66511	2117.5	4x4 MIMO	LTE B7	20	3100	2655	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.61	14.70	
CA [12A]-66A (1)	LTE B66	15	132047	1717.5	16QAM	1	36	66511	2117.5	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.59	14.70	
CA [12A]-66A (2)	LTE B66	15	132047	1717.5	16QAM	1	36	66511	2117.5	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.59	14.70	
CA [2A]-2A-66A	LTE B66	15	132047	1717.5	16QAM	1	36	66511	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.61	14.70
CA [2C]-66A	LTE B66	15	132047	1717.5	16QAM	1	36	66511	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	702	1940.2	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.58	14.70
CA [2C]-66A	LTE B66	15	132047	1717.5	16QAM	1	36	66511	2117.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B2	20	702	1940.2	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.64	14.70
CA [2A]-66B	LTE B66	15	132047	1717.5	16QAM	1	36	66511	2117.5	4x4 MIMO	LTE B66	5	66604	2126.8	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.58	14.70
CA [2A]-66C	LTE B66	15	132047	1717.5	16QAM	1	36	66511	2117.5	4x4 MIMO	LTE B66	20	66682	2134.6	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.62	14.70
CA [2A]-66A-66A	LTE B66	15	132047	1717.5	16QAM	1	36	66511	2117.5	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.68	14.70
CA [2A]-66A-66A	LTE B66	15	132047	1717.5	16QAM	1	36	66511	2117.5	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.60	14.70
CA [2A]-5A-66A	LTE B66	15	132047	1717.5	16QAM	1	36	66511	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.58	14.70
CA 2A-5A-66A	LTE B66	15	132047	1717.5	16QAM	1	36	66511	2117.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.65	14.70
CA [2A]-12A-66A	LTE B66	15	132047	1717.5	16QAM	1	36	66511	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.57	14.70
CA 2A-12A-66A	LTE B66	15	132047	1717.5	16QAM	1	36	66511	2117.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.61	14.70
CA [2A]-13A-66A	LTE B66	15	132047	1717.5	16QAM	1	36	66511	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.58	14.70
CA 2A-13A-66A	LTE B66	15	132047	1717.5	16QAM	1	36	66511	2117.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.59	14.70
CA [2A]-14A-66A	LTE B66	15	132047	1717.5	16QAM	1	36	66511	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.56	14.70
CA 2A-14A-66A	LTE B66	15	132047	1717.5	16QAM	1	36	66511	2117.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.64	14.70
CA [2A]-29A-66A	LTE B66	15	132047	1717.5	16QAM	1	36	66511	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.59	14.70
CA 2A-29A-66A	LTE B66	15	132047	1717.5	16QAM	1	36	66511	2117.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.65	14.70
CA [2A]-30A-66A	LTE B66	15	132047	1717.5	16QAM	1	36	66511	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.55	14.70
CA 2A-30A-66A	LTE B66	15	132047	1717.5	16QAM	1	36	66511	2117.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.54	14.70
CA 2A-30A-66A	LTE B66	15	132047	1717.5	16QAM	1	36	66511	2117.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.64	14.70
CA [2A]-66A-66A	LTE B66	15	132047	1717.5	16QAM	1	36	66511	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66682	2134.6	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.62	14.70
CA 2A-66A-66A	LTE B66	15	132047	1717.5	16QAM	1	36	66511	2117.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.62	14.70
CA [2A]-66A-71A	LTE B66	15	132047	1717.5	16QAM	1	36	66511	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.65	14.70
CA 2A-66A-71A	LTE B66	15	132047	1717.5	16QAM	1	36	66511	2117.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.67	14.70
CA 5A-66B	LTE B66	15	132047	1717.5	16QAM	1	36	66511	2117.5	4x4 MIMO	LTE B66	5	66604	2126.8	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.58	14.70
CA 5A-66C	LTE B66	15	132047	1717.5	16QAM	1	36	66511	2117.5	4x4 MIMO	LTE B66	20	66682	2134.6	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.55	14.70
CA 5A-66A-66A	LTE B66	15	132047	1717.5	16QAM	1	36	66511	2117.5	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.56	14.70
CA 5A-66A-66A	LTE B66	15	132047	1717.5	16QAM	1	36	66511	2117.5	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.56	14.70
CA 5A-66A-66A	LTE B66	15	132047	1717.5	16QAM	1	36	66511	2117.5	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.55	14.70
CA 12A-66C	LTE B66	15	132047	1717.5	16QAM	1	36	66511	2117.5	4x4 MIMO	LTE B66	20	66682	2134.6	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.61	14.70
CA 12A-66A-66A	LTE B66	15	132047	1717.5	16QAM	1	36	66511	2117.5	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.59	14.70
CA 12A-66A-66A	LTE B66	15	132047	1717.5	16QAM	1	36	66511	2117.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.57	14.70
CA 12A-13A-66A	LTE B66	15	132047	1717.5	16QAM	1	36	66511	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	-	-							

Output Powers – Ant 2B

Power																															
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL RBs	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SC-Band	SC BW [MHz]	SC (DL) Ch.	SC (DL) Freq. [MHz]	DL Ant. Config.	SC-Band	SC BW [MHz]	SC (DL) Ch.	SC (DL) Freq. [MHz]	DL Ant. Config.	SC-Band	SC BW [MHz]	SC (DL) Ch.	SC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)				
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 [2A]-66A	LTE B66	20	132572	1770	QPSK	1	99	67036	2170	2x2 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	4x4 MIMO	LTE B7	20	3100	2655	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.30	14.30		
CA [12A]-66A (1)	LTE B66	20	132572	1770	QPSK	1	99	67036	2170	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.28	14.30		
CA [12A]-66A (2)	LTE B66	20	132572	1770	QPSK	1	99	67036	2170	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	14.28	14.30		
CA [2A]-26A	LTE B66	20	132572	1770	QPSK	1	99	67036	2170	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940.2	2x2 MIMO	-	-	-	-	-	-	-	14.30	14.30		
CA [2A]-66A	LTE B66	20	132572	1770	QPSK	1	99	67036	2170	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B2	20	702	1940.2	2x2 MIMO	-	-	-	-	-	-	-	14.28	14.30		
CA [2C]-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]-66B	LTE B66	10	132622	1775	QPSK	1	0	67086	2175	4x4 MIMO	LTE B66	10	66987	2165.1	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	2x2 MIMO	LTE B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	14.27	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 B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	14.27	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 B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	14.27	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 B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	14.27	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 B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	14.27	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 B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	14.27	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 B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	14.27	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 B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	14.27	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 B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	14.27	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 B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	14.27	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 B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	14.27	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 B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	14.27	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 B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	14.27	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 B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	14.27	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 B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	14.27	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 B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	14.27	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 B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	14.27	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 B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	14.27	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 B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	14.27	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 B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	14.27	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 B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	14.27	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 B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	14.27	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 B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	14.27	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 B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	14.27	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 B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	14.27	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 B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	14.27	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 B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	14.27	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 B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	14.27	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 B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	14.27	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 B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	14.27	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 B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	14.27	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 B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	4x4 MIMO	LTE B66	20	66536	2120	14.27	14.30

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Table 71
Output Powers – Ant 4A

Combination	PCB Band	PCC				SCC 1				SCC 2				SCC 3				Power						
		PCB BW [MHz]	PCC [UL] Freq. [MHz]	Mod.	PCC UL RB	PCB UL RB Offset	PCC [DL] Ch.	PCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	LTE Tx Power with DL Enb (dBm)	LTE Single Carrier Tx Power (dBm)	
CA [2A]-66A	LTE B86	20	132322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	-	-	-	-	-	-	-	14.97	15.00
CA [2A]-66A	LTE B86	20	132322	1745	QPSK	1	99	66786	2145	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	14.96	15.00
CA [2A]-66A	LTE B86	20	132322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	-	-	-	-	-	-	-	14.96	15.00
CA [7A]-66A	LTE B86	20	132322	1745	QPSK	1	99	66786	2145	4x4 MIMO	LTE B7	20	3100	2655	2x2 MIMO	-	-	-	-	-	-	-	15.00	15.00
CA [12A]-66A [1]	LTE B86	20	132322	1745	QPSK	1	99	66786	2145	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	14.95	15.00
CA [12A]-66A [2]	LTE B86	20	132322	1745	QPSK	1	99	66786	2145	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	14.95	15.00
CA [12A]-66A [2]	LTE B86	20	132322	1745	QPSK	1	99	66786	2145	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	14.95	15.00
CA [2C]-66A	LTE B86	20	132322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	702	1940	2x2 MIMO	-	-	15.00	15.00
CA [2C]-66A	LTE B86	20	132322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	702	1940.2	4x4 MIMO	-	-	15.00	15.00
CA 2C-66A	LTE B86	20	132322	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 B86	15	132047	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 B86	15	132047	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-66A-66A	LTE B86	20	132322	1745	QPSK	1	99	66786	2145	4x4 MIMO	LTE B86	20	66588	2125.2	2x2 MIMO	LTE B86	20	900	1960	2x2 MIMO	-	-	14.95	15.00
CA 2A-66A-66A	LTE B86	20	132322	1745	QPSK	1	99	66786	2145	4x4 MIMO	LTE B86	20	67236	2130	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	14.98	15.00
CA 2A-66A-66A	LTE B86	20	132322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B86	20	67236	2130	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	14.96	15.00
CA [2A]-12A-66A	LTE B86	20	132322	1745	QPSK	1	99	66786	2145	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	14.99	15.00
CA [2A]-12A-66A	LTE B86	20	132322	1745	QPSK	1	99	66786	2145	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	14.99	15.00
CA [2A]-13A-66A	LTE B86	20	132322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5330	751	2x2 MIMO	-	-	15.00	15.00
CA [2A]-13A-66A	LTE B86	20	132322	1745	QPSK	1	99	66786	2145	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5330	751	2x2 MIMO	-	-	15.00	15.00
CA [2A]-14A-66A	LTE B86	20	132322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	14.96	15.00
CA 2A-14A-66A	LTE B86	20	132322	1745	QPSK	1	99	66786	2145	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	15.00	15.00
CA [2A]-29A-66A	LTE B86	20	132322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	15.00	15.00
CA 2A-29A-66A	LTE B86	20	132322	1745	QPSK	1	99	66786	2145	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	15.00	15.00
CA [2A]-30A-66A	LTE B86	20	132322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	14.95	15.00
CA 2A-30A-66A	LTE B86	20	132322	1745	QPSK	1	99	66786	2145	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	14.99	15.00
CA [2A]-48A-66A	LTE B86	20	132322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	14.95	15.00
CA 2A-48A-66A	LTE B86	20	132322	1745	QPSK	1	99	66786	2145	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	14.95	15.00
CA [2A]-66A-71A	LTE B86	20	132322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	15.00	15.00
CA 2A-66A-71A	LTE B86	20	132322	1745	QPSK	1	99	66786	2145	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	14.98	15.00
CA 2A-66B	LTE B86	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B66	5	66604	2126.8	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	14.90	14.96
CA 2A-66C	LTE B86	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B66	5	66604	2126.8	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	14.90	14.96
CA 5A-66A-66A	LTE B86	20	132322	1745	QPSK	1	99	66786	2145	4x4 MIMO	LTE B86	20	67236	2130	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	14.97	15.00
CA 5A-66A-66A	LTE B86	20	132322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B86	20	67236	2130	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	14.99	15.00
CA 5A-13A-66A	LTE B86	20	132322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5330	751	2x2 MIMO	-	-	14.98	15.00
CA 5A-13A-66A	LTE B86	20	132322	1745	QPSK	1	99	66786	2145	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5330	751	2x2 MIMO	-	-	14.98	15.00
CA 17A-66A-66A	LTE B86	20	132322	1745	QPSK	1	99	66786	2145	4x4 MIMO	LTE B86	20	67236	2130	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	14.99	15.00
CA 12A-66A-66A	LTE B86	20	132322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B86	20	67236	2130	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	14.98	15.00
CA 12A-10A-66A	LTE B86	20	132322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	14.97	15.00
CA 12A-13A-66A	LTE B86	20	132322	1745	QPSK	1	99	66786	2145	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B13	10	5330	751	2x2 MIMO	-	-	14.99	15.00
CA 13A-66A-66A	LTE B86	20	132322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B86	20	67236	2130	4x4 MIMO	LTE B13	10	5330	751	2x2 MIMO	-	-	15.00	15.00
CA 13A-66B	LTE B86	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B66	5	66604	2126.8	4x4 MIMO	LTE B13	10	5330	751	2x2 MIMO	-	-	14.91	14.96
CA 13A-66C	LTE B86	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B66	5	66604	2126.8	4x4 MIMO	LTE B13	10	5330	751	2x2 MIMO	-	-	15.00	15.00
CA 13A-66A-66A	LTE B86	20	132322	1745	QPSK	1	99	66786	2145	4x4 MIMO	LTE B86	20	66588	2125.2	2x2 MIMO	LTE B13	10	5330	751	2x2 MIMO	-	-	15.00	15.00
CA 14A-66A-66A	LTE B86	20	132322	1745	QPSK	1	99	66786	2145	4x4 MIMO	LTE B86	20	67236	2130	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	14.96	15.00
CA 14A-66A-66A	LTE B86	20	132322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B86	20	67236	2130	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	14.99	15.00
CA 14A-30A-66A	LTE B86	20	132322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	14.93	15.00
CA 2A-29A-66A-66A	LTE B86	20	132322	1745	QPSK	1	99	66786	2145	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	14.99	15.00
CA 29A-66A-66A	LTE B86	20	132322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B86	20	67236	2130	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	15.00	15.00
CA 29A-10A-66A	LTE B86	20	132322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	14.98	15.00
CA 30A-66A-66A	LTE B86	20	132322	1745	QPSK	1	99	66786	2145	4x4 MIMO	LTE B86	20	67236	2130	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	14.99	15.00
CA 3A-30A-66A	LTE B86	20	132322	1745	QPSK	1	99	66786	2145	4x4 MIMO	LTE B86	20	67236	2130	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	14.99	15.00
CA 3A-30A-66A	LTE B86	20	132322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B86	20	67236	2130	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	14.98	15.00
CA 46A-66A-66A	LTE B86	20	132322	1745	QPSK	1	99	66786	2145	2x2 MIMO	LTE B86	20	67236	2130	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	15.00	15.00
CA 66A-66A-71A	LTE B86	20	132322	1745	QPSK	1	99	66786	2145	4x4 MIMO	LTE B86	20	67236	2130	2x2 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	14.99	15.00
CA 12A-66A-66A-71A	LTE B86	20	132322	1745</																				

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Table 72
Output Powers – Ant 4B

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 1		DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC 2		DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC 3		DL Ant. Config.	L1 Tx Power with DL CA Enabled [dBm]	L1 Single Carrier Tx Power [dBm]				
													SCC [DL] Ch.	SCC [DL] Freq. [MHz]				SCC [DL] Ch.	SCC [DL] Freq. [MHz]				SCC [DL] Ch.	SCC [DL] Freq. [MHz]							
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	700	1940	2x2 MIMO	-	-	-	-	-	-	-	-	-		
CA 2A-[66A]	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CA [7A]-66A	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	4x4 MIMO	LTE B7	20	3100	2655	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CA 7A-[66A]	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	4x4 MIMO	LTE B7	20	3100	2655	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CA 12A-[66A] (1)	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CA 12A-[66A] (2)	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-	-
CA 2C-[66A]	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B2	20	702	1940.2	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-
CA 2B-[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	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-	-
CA 2A-[66A]-66A	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	-	-	-	-	-	-	-	-	-	-	-
CA 2A-[66A]-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	-	-	-	-	-	-	-	-	-	-	-
CA [2A]-5A-66A	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B5	10	5255	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-
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	5255	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-
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	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-
CA 2A-[2A]-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	-	-	-	-	-	-	-	-	-	-	-
CA [2A]-[3A]-66A	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	50655	5537.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-
CA 2A-[3A]-[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	-	-	-	-	-	-	-	-	-	-	-
CA [2A]-[4A]-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	-	-	-	-	-	-	-	-	-	-	-
CA 2A-[4A]-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	-	-	-	-	-	-	-	-	-	-	-
CA [2A]-[2A]-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	-	-	-	-	-	-	-	-	-	-	-
CA 2A-[2A]-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	-	-	-	-	-	-	-	-	-	-	-
CA 2A-[2A]-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	-	-	-	-	-	-	-	-	-	-	-
CA 2A-[3A]-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	-	-	-	-	-	-	-	-	-	-	-
CA [2A]-[66A]-66A	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	50655	5537.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-
CA 2A-[6A]-[66A]	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B46	20	50655	5537.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-
CA [2A]-[66A]-71A	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-	-
CA [66B]	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	4x4 MIMO	LTE B66	20	66585	2124.9	4x4 MIMO	LTE B66	15	67261	2192.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-
CA 5A-[66C]	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	4x4 MIMO	LTE B66	20	66630	2129.4	4x4 MIMO	LTE B5	10	5255	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-
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	5255	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-
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	5255	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-	-
CA 2A-[2A]-66A	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-
CA 2A-[6A]-66B	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	4x4 MIMO	LTE B66	5	67168	2183.2	2x2 MIMO	LTE B66	15	67261	2192.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-
CA 2A-[6A]-66C	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	4x4 MIMO	LTE B66	5	67168	2183.2	2x2 MIMO	LTE B66	15	67261	2192.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-
CA [2A]-5A-66C	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B5	10	5255	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-
CA 2A-[5A]-66C	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	5255	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-
CA 2A-[5B]-66C	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	5255	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-
CA [2A]-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	900	1960	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-
CA [2A]-13A-66C	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	2x2 MIMO	LTE B66	10	66585	2124.9	4x4 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-
CA [2A]-13A-66C	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	2x2 MIMO	LTE B66	10	66585	2124.9	4x4 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-
CA [2A]-46C-66A	LTE B66	10	132022	1715	64QAM	1	0	66486	2115	4x4 MIMO	LTE B2	20																			

1.4.11

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]			DL Ant. Config.	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.			SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC [DL] Ch.			SCC [DL] Freq. [MHz]	DL Ant. Config.						
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 [2A]-13A	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	-	-	-	-	-	-	-	-	13.93	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	-	-	-	-	-	-	-	-	13.91	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]-30A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2A2 MIMO	LTE B2	20	727	1942.7	2A2 MIMO	LTE B30	10	9820	2355	4A4 MIMO	-	-	-	-	-	-	-	-	13.95	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	50665	5537.5	2A2 MIMO	-	-	-	-	-	-	-	-	13.95	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	-	-	-	-	-	-	-	-	13.96	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	-	-	-	-	-	-	-	-	13.93	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	4A4 MIMO	LTE B66	20	66786	2145	2A2 MIMO	-	-	-	-	-	-	-	-	13.94	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	-	-	-	-	-	-	-	-	13.95	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	20	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	20	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	19																						

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 UL#	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 [UL] Ch.	SCC [UL] Freq. [MHz]		SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] 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	-	-	-	-	-	-	-	-	-	13.68	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	-	-	-	-	-	-	13.69	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	10	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	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	13.67	13.70
CA [2A]-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	5230	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	5230	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	-	-	-	-	-	-	13.68	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	-	-	-	-	-	-	13.69	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	-	-	-	-	-	-	13.65	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	-	-	-	-	-	-	13.68	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]-66A	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]-66C	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	2190	2x2 MIMO	-	-	-	-	-	-	13.65	13.70
CA [2A]-2A-71A	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B71	10	68761	634.5	2x2 MIMO	-	-	-	-	-	-	13.68	13.70
CA [2A]-2A-71A	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B71	10	68761	634.5	2x2 MIMO	-	-	-	-	-	-	13.68	13.70
CA [2A]-4A-5A	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	13.69	13.70
CA [2A]-4A-5A	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	13.70	13.70
CA [2A]-4A-12A	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	13.67	13.70
CA [2A]-4A-12A	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	13.66	13.70
CA [2A]-4A-13A	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	13.68	13.70
CA [2A]-4A-13A	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	-	13.68	13.70
CA [2A]-4A-29A	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	13.66	13.70
CA [2A]-4A-29A	LTE B2	20	18925	1882.5	QPSK	1	99	925	1862.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	13.69	

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	-	-	-	-	-	-	-	-	-	-	15.15	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]-2A-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]-2A-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]-2A-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]-2A-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]-2A-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	2x2 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	-	-	-	-	-	-	15.25	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	2x2 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	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	15.21	15.28
CA [2A]-4A-29A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	15.17	15.28
CA [2A]-4A-30A	LTE B2	20	18700																									

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 [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [UL] Ch.	SCC [UL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [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 BW [MHz]	PCC (UL) Ch.	PCC								SCC 1				SCC 2				SCC 3				Power			
				PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) 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	-	-	-	-	-	12.46	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-9A-[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	727.5	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	727.5	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	727.5	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) Freq. [MHz]	PCC				SCC 1				SCC 2				SCC 3				Power							
				Mod.	PCC UL RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx Power with DL CA (dBm)	LTE Single Carrier Tx Power (dBm)	
CA 2(C)-3(A)	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 2(C)-3(A)	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 2(A)-2(A)-3(A)	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 2(A)-4(A)-3(A)	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 2(A)-4(A)-3(A)	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 2(A)-4(A)-3(A)	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 2(A)-5(A)-3(A)	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 2(A)-12(A)-3(A)	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 2(A)-14(A)-3(A)	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 2(A)-29(A)-3(A)	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 2(A)-3(A)-6(A)	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 2(A)-3(A)-6(A)	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 2(A)-3(A)-6(A)	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 4(A)-4(A)-3(A)	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 4(A)-5(A)-3(A)	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 4(A)-12(A)-3(A)	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 4(A)-29(A)-3(A)	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 5(A)-3(A)-6(A)	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 12(A)-3(A)-6(A)	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 14(A)-3(A)-6(A)	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 29(A)-3(A)-6(A)	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 30(A)-6(A)-6(A)	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 2(A)-5(A)-3(A)	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 5(A)-3(A)-6(A)	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) Freq. [MHz]	PCC				SCC 1				SCC 2				SCC 3				Power												
				Mod.	PCC UL RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)						
CA 2(C)-3(A)	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	13.49					
CA 2(C)-3(A)	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	13.49					
CA 2(A)-2(A)-3(A)	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	13.49					
CA 2(A)-4(A)-3(A)	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	-	-	-	-	-	13.50	13.49					
CA 2(A)-4(A)-3(A)	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	-	-	-	-	-	13.43	13.49					
CA 2(A)-4(A)-3(A)	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	13.49					
CA 2(A)-5(A)-3(A)	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	13.49					
CA 2(A)-12(A)-3(A)	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	13.49					
CA 2(A)-14(A)-3(A)	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	13.49					
CA 2(A)-29(A)-3(A)	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	13.49					
CA 2(A)-3(A)-6(A)	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	13.49					
CA 2(A)-3(A)-6(A)	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	13.49					
CA 2(A)-3(A)-6(A)	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	-	-	-	-	-	13.49	13.49					
CA 4(A)-4(A)-3(A)	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	-	-	-	-	-	13.46	13.49					
CA 4(A)-5(A)-3(A)	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	13.49					
CA 4(A)-12(A)-3(A)	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	13.49					
CA 4(A)-29(A)-3(A)	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	13.49					
CA 5(A)-3(A)-6(A)	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	-	-	-	-	-	13.45	13.49					
CA 12(A)-3(A)-6(A)	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	13.49					
CA 14(A)-3(A)-6(A)	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	13.49					
CA 29(A)-3(A)-6(A)	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	13.49					
CA 30(A)-6(A)-6(A)	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	13.49					
CA 2(A)-5(A)-3(A)	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	13.50	13.49
CA 5(B)-3(A)-6(A)	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	13.40	13.49					

1.4.14

LTE Band 7 as PCC

Table 85
Output Powers – Ant 2A

Combination	PCC Band	PCC										SCC 1				SCC 2				SCC 3				Power					
		PCC BW [MHz]	PCC [UL] Ch.	PCC [UL] Freq. [MHz]	Mod.	PCC UL RB	PCC UL RB Offset	PCC [DL] Ch.	PCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)		
CA 5A-7A	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	11.93	12.00	
CA 7A	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-66A	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-66A(1)	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										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	-	-	-	-	-	-	-	-	-	-	-	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	2892	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-66A	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-66A(1)	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						SCC 1				SCC 2				SCC 3				Power					
				PCC [UL] Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC [DL] Ch.	PCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch.	SCC [DL] Freq. [MHz]	DL Ant. Config.	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA 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	20825	2507.5	64QAM	1	0	2825	2627.5	4x4 MIMO	LTE B7	5	2918	2636.8	4x4 MIMO	-	-	-	-	-	-	-	-	-	11.88	11.91	
CA 7C(1)	LTE B7	20	21100	2535	QPSK	1	99	3100	2655	4x4 MIMO	LTE B7	20	2892	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-66A	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-66A(1)	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(1)	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 7B	LTE B7	15	21100	2515	QPSK	1	0	3100	2655	4x4 MIMO	LTE B7	5	3007	2645.7	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	11.96	11.97	
CA 7C(1)	LTE B7	20	21100	2535	QPSK	1	0	3100	2655	4x4 MIMO	LTE B7	20	2892	2635.2	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(1)	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	66786	2145	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	12.00	12.00	
CA 7A-66A(1)	LTE B7	20	21100	2535	QPSK	1	0	3100	2655	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	11.95	12.00	
CA 14A-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	-	-	-	-	-	-	12.00	12.00
CA 4A-7A-7A(1)	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(1)	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(1)	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(1)	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	LTE B46	20	50863	5557.3	2x2 MIMO	12.00	12.00	

LTE Band 41 as PCC

Table 89
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 Carrier Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA [41A]-[41A] (1)	LTE B43	10	40185	2549.5	QPSK	1	0	40185	2549.5	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.70	14.76
CA [41C]-[41A] (1)	LTE B41	10	40185	2549.5	QPSK	1	0	40185	2549.5	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.70	14.76
CA [41A]-[41C]	LTE B43	10	40185	2549.5	QPSK	1	0	40185	2549.5	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.74	14.76
CA [41A]-[41C]	LTE B41	10	40185	2549.5	QPSK	1	0	40185	2549.5	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.74	14.76
CA [41A]-[41C]	LTE B41	10	40185	2549.5	QPSK	1	0	40185	2549.5	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.76	14.76
CA [41A]-[41C]	LTE B43	10	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	-	-	-	-	-	14.77	14.76
CA [41C]-[41A]	LTE B41	10	40185	2549.5	QPSK	1	0	40185	2549.5	4x4 MIMO	LTE B41	20	40329	2563.9	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	14.77	14.76
CA [41A]-[41A]	LTE B41	10	40185	2549.5	QPSK	1	0	40185	2549.5	4x4 MIMO	LTE B41	20	41094	2640.4	2x2 MIMO	LTE B41	20	41029	2560.2	2x2 MIMO	LTE B41	20	41490	2680	2x2 MIMO	14.69	14.76
CA [41A]-[41A]	LTE B41	10	40185	2549.5	QPSK	1	0	40185	2549.5	2x2 MIMO	LTE B41	20	40329	2563.9	2x2 MIMO	LTE B41	20	41029	2563.7	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	14.78	14.76

Table 90
Output Powers – Ant 2B

Combination	PCC Band	PCC						SCC 1				SCC 2				SCC 3				Power										
		PCC BW [MHz]	PCC [UL] Ch.	PCC [DL] Freq. [MHz]	Mod.	PCC User 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 41A1-41A11	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 41A1-41A11	LTE B41	20	40185	2549.5	QPSK	1	0	40185	2549.5	4x4 MIMO	LTE B43	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.50	14.50		
CA 41A1-41C	LTE B41	20	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	-	-	-	-	-	-	-	14.48	14.50	
CA 41A1-41C	LTE B41	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	-	-	-	-	-	-	-	14.45	14.50	
CA 41A1-41C	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	41490	2680	4x4 MIMO	-	-	-	-	-	-	-	14.50	14.50	
CA 41C1-41A	LTE B41	20	40185	2549.5	QPSK	1	0	40185	2549.5	4x4 MIMO	LTE B41	20	40383	2569.3	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	-	-	14.48	14.50	
CA 41A1-41D	LTE B41	20	40185	2549.5	QPSK	1	0	40185	2549.5	4x4 MIMO	LTE B41	20	41094	2640.4	2x2 MIMO	LTE B41	20	41292	2660.2	2x2 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	14.47	14.50
CA 41D1-41A	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	40581	2599.1	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	14.48	14.50

Table 91
Output Powers – Ant 4A

Combination	PCC Band	PCC										SCC 1				SCC 2				SCC 3				Power					
		PCC BW [MHz]	PCC [UL] Ch.	PCC [UL] Freq. [MHz]	Mod.	PCC UL# RB	PCC UL B/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 DC (dBm)	LTE Single Carrier Tx Power (dBm)		
CA {41A} {41A}	LTE B43	20	39750	2506	QPSK	1	99	39750	2506	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.48	14.50	
CA {41C} {41A}	LTE B41	20	39750	2506	QPSK	1	99	39750	2506	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	-	14.48	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}	LTE B41	20	39750	2506	QPSK	1	99	39750	2506	2x2 MIMO	LTE B41	20	41292	2662.8	4x4 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	-	14.50	14.50	
CA {41C} {41A}	LTE B43	20	39750	2506	QPSK	1	99	39750	2506	2x2 MIMO	LTE B41	20	39948	2525.8	2x2 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	14.49	14.50	
CA {41C} {41C}	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	4x4 MIMO	-	-	-	-	-	-	14.49	14.50	
CA {41A} {41D}	LTE B41	20	39750	2506	QPSK	1	99	39750	2506	4x4 MIMO	LTE B41	20	41094	2640.4	2x2 MIMO	LTE B41	20	41292	2660.2	2x2 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	14.45	14.50
CA {41D} {41A}	LTE B41	20	39750	2506	QPSK	1	99	39750	2506	2x2 MIMO	LTE B41	20	39948	2525.8	2x2 MIMO	LTE B41	20	40346	2545.2	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	14.45	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

Combination	PCC Band	PCC								SEC1				SEC2				SEC3				Power						
		PCC BW [MHz]	PCC [U] Ch.	PCC [UL Freq. [MHz]	Mod.	PCC UL RB	PCC UL RB Offset	PCC [DL Ch.]	PCC [DL Freq. [MHz]	DL-Ant. Config.	SEC Band	SEC BW [MHz]	SEC [DL Ch.]	SEC [DL Freq. [MHz]	DL-Ant. Config.	SEC Band	SEC BW [MHz]	SEC [DL Ch.]	SEC [DL Freq. [MHz]	DL-Ant. Config.	SEC Band	SEC BW [MHz]	SEC [DL Ch.]	SEC [DL Freq. [MHz]	DL-Ant. Config.	LTE Tx-Power with DL CA Enabled (dBm)	LTE Single Carrier Tx-Power (dBm)	
CA 15A+41A+41A	LTE B41 PCC	10	40185	2549.5	QPSK	1	0	40185	2549.5	4x4 MIMO	LTE B41 PCC	20	41480	2680	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.73	14.79	
CA 15A+41A+10A	LTE B41 PCC	10	40185	2549.5	QPSK	1	0	40185	2549.5	2x2 MIMO	LTE B41 PCC	20	41480	2680	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.73	14.79	
CA 41A+41C	LTE B41 PCC	10	40185	2549.5	QPSK	1	0	40185	2549.5	4x4 MIMO	LTE B41 PCC	20	41292	2660.2	2x2 MIMO	LTE B41 PCC	20	41480	2680	2x2 MIMO	-	-	-	-	-	14.73	14.79	
CA 41A+41C	LTE B41 PCC	10	40185	2549.5	QPSK	1	0	40185	2549.5	2x2 MIMO	LTE B41 PCC	20	41292	2660.2	4x4 MIMO	LTE B41 PCC	20	41480	2680	2x2 MIMO	-	-	-	-	-	14.73	14.79	
CA 41C+41C	LTE B41 PCC	10	40185	2549.5	QPSK	1	0	40185	2549.5	2x2 MIMO	LTE B41 PCC	20	41292	2660.2	4x4 MIMO	LTE B41 PCC	20	41480	2680	4x4 MIMO	-	-	-	-	-	14.73	14.79	
CA 41C+41A	LTE B41 PCC	10	40185	2549.5	QPSK	1	0	40185	2549.5	2x2 MIMO	LTE B41 PCC	20	40329	2563.9	2x2 MIMO	LTE B41 PCC	20	41480	2680	4x4 MIMO	-	-	-	-	-	14.73	14.79	
CA 41A+41A	LTE B41 PCC	10	40185	2549.5	QPSK	1	0	40185	2549.5	2x2 MIMO	LTE B41 PCC	20	40329	2563.9	2x2 MIMO	LTE B41 PCC	20	41480	2680	2x2 MIMO	-	-	-	-	-	14.73	14.79	
CA 41A+41A	LTE B41 PCC	10	40185	2549.5	QPSK	1	0	40185	2549.5	2x2 MIMO	LTE B41 PCC	20	41094	2540	2x2 MIMO	LTE B41 PCC	20	40527	2583.7	2x2 MIMO	LTE B41 PCC	20	41480	2680	2x2 MIMO	-	14.73	14.79
CA 41C+41A	LTE B41 PCC	10	40185	2549.5	QPSK	1	0	40185	2549.5	2x2 MIMO	LTE B41 PCC	20	40329	2563.9	2x2 MIMO	LTE B41 PCC	20	40527	2583.7	2x2 MIMO	LTE B41 PCC	20	41480	2680	4x4 MIMO	-	14.73	14.79

Table 94
Output Powers – Ant 2B

[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 35 of 38

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] Ch	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch	SCC [DL] Freq. [MHz]	DL Ant. Config.	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)	
CA 41A-41A (1)	LTE B41 PC2	20	39750	2506	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/DL] Ch	PCC [UL] Freq. [MHz]	Mod.	PCC UL/RB	PCC UL RB Offset	PCC [DL] Ch	PCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch	SCC [DL] Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC [DL] Ch	SCC [DL] Freq. [MHz]	DL Ant. Config.	LTE Tx Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)	
CA 41A-41A (1)	LTE B41 PC2	20	40185	2549.5	QPSK	1	0	40185	2549.5	4x4 MIMO	LTE B41 PC2	20	41490	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	41490	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 41A-41C	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	14.98	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] Channel	PCC [UL/DL] Frequency [MHz]	Modulation	PCC UL RB	PCC UL RB Offset	PCC [DL] Ch	PCC [DL] Freq. [MHz]	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	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.	LTE 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	-	-	-	-	-	-	-	-	-	14.74	14.77	
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	-	-	-	-	-	-	-	-	-	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				SCC4				Power	
	PCC Band	PCC Bandwidth [MHz]	PCC [UL/DL] Channel	PCC [UL/DL] Frequency [MHz]	Modulation	PCC UL RB	PCC UL RB Offset	PCC Band	PCC Bandwidth [MHz]	PCC [UL/DL] Frequency [MHz]	Modulation	PCC UL RB	PCC UL RB Offset	PCC Band	PCC Bandwidth [MHz]	PCC [DL] Channel	PCC [DL] Frequency [MHz]	PCC Band	PCC Bandwidth [MHz]	PCC [DL] Channel	PCC [DL] Frequency [MHz]	PCC Band	PCC Bandwidth [MHz]	PCC [DL] Channel	PCC [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.	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.	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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