

EX3DV4- SN:3820

June 27, 2017

Appendix: Modulation Calibration Parameters

UID	Communication System Name		A dB	B dB μ V	C	D dB	VR mV	Max Unc ^E (k=2)
0	CW	X	0.00	0.00	1.00	0.00	149.6	$\pm 3.0\%$
		Y	0.00	0.00	1.00		145.2	
		Z	0.00	0.00	1.00		143.1	
10010- CAA	SAR Validation (Square, 100ms, 10ms)	X	2.88	66.57	11.32	10.00	20.0	$\pm 9.6\%$
		Y	3.86	70.65	13.42		20.0	
		Z	1193.55	147.81	35.03		20.0	
10011- CAB	UMTS-FDD (WCDMA)	X	0.97	66.04	14.48	0.00	150.0	$\pm 9.6\%$
		Y	1.16	69.56	16.73		150.0	
		Z	100.00	313.05	111.76		150.0	
10012- CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	X	1.17	63.31	14.64	0.41	150.0	$\pm 9.6\%$
		Y	1.23	64.57	15.83		150.0	
		Z	100.00	230.78	80.09		150.0	
10013- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	X	4.83	66.36	16.71	1.46	150.0	$\pm 9.6\%$
		Y	4.86	66.79	17.14		150.0	
		Z	5.63	72.75	22.55		150.0	
10021- DAC	GSM-FDD (TDMA, GMSK)	X	7.36	78.48	17.45	9.39	50.0	$\pm 9.6\%$
		Y	100.00	114.87	28.39		50.0	
		Z	2566.64	183.27	46.71		50.0	
10023- DAC	GPRS-FDD (TDMA, GMSK, TN 0)	X	6.74	77.15	16.99	9.57	50.0	$\pm 9.6\%$
		Y	58.04	107.41	26.61		50.0	
		Z	2373.79	180.35	45.93		50.0	
10024- DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	X	6.76	78.60	16.21	6.56	60.0	$\pm 9.6\%$
		Y	100.00	112.99	26.39		60.0	
		Z	5967.47	216.28	54.53		60.0	
10025- DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	X	4.31	67.74	23.22	12.57	50.0	$\pm 9.6\%$
		Y	8.41	88.83	34.52		50.0	
		Z	8.35	91.02	37.55		50.0	
10026- DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	X	8.93	87.26	29.38	9.56	60.0	$\pm 9.6\%$
		Y	11.32	95.47	33.58		60.0	
		Z	100.00	163.59	57.21		60.0	
10027- DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	X	9.02	82.59	16.69	4.80	80.0	$\pm 9.6\%$
		Y	100.00	113.24	25.70		80.0	
		Z	100.00	181.54	56.64		80.0	
10028- DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	X	20.64	91.39	18.49	3.55	100.0	$\pm 9.6\%$
		Y	100.00	115.01	25.77		100.0	
		Z	100.00	286.43	99.93		100.0	
10029- DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	X	6.16	79.88	25.51	7.80	80.0	$\pm 9.6\%$
		Y	6.77	83.79	28.06		80.0	
		Z	100.00	165.68	57.31		80.0	
10030- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	X	5.00	75.67	14.58	5.30	70.0	$\pm 9.6\%$
		Y	100.00	111.41	25.17		70.0	
		Z	3976.61	228.52	59.38		70.0	
10031- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	X	8.08	84.00	15.34	1.88	100.0	$\pm 9.6\%$
		Y	100.00	117.05	25.27		100.0	
		Z	0.22	60.00	49064.27		100.0	

EX3DV4-- SN:3820

June 27, 2017

10032-CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	X	64.84	103.61	19.65	1.17	100.0	± 9.6 %
		Y	100.00	128.13	28.81		100.0	
		Z	0.18	60.00	80681.08		100.0	
10033-CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	X	4.49	75.87	17.87	5.30	70.0	± 9.6 %
		Y	9.51	88.78	23.11		70.0	
		Z	100.00	144.45	42.49		70.0	
10034-CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	X	2.12	70.24	14.67	1.88	100.0	± 9.6 %
		Y	3.86	79.52	18.76		100.0	
		Z	100.00	188.07	59.40		100.0	
10035-CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	X	1.66	68.69	13.94	1.17	100.0	± 9.6 %
		Y	2.69	76.18	17.40		100.0	
		Z	100.00	219.51	72.06		100.0	
10036-CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	X	4.95	77.41	18.52	5.30	70.0	± 9.6 %
		Y	12.16	92.72	24.41		70.0	
		Z	100.00	145.24	42.86		70.0	
10037-CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	X	2.03	69.82	14.47	1.88	100.0	± 9.6 %
		Y	3.52	78.39	18.33		100.0	
		Z	100.00	189.29	59.87		100.0	
10038-CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	X	1.67	68.93	14.14	1.17	100.0	± 9.6 %
		Y	2.73	76.64	17.70		100.0	
		Z	100.00	222.41	73.34		100.0	
10039-CAB	CDMA2000 (1xRTT, RC1)	X	1.64	70.38	14.93	0.00	150.0	± 9.6 %
		Y	2.61	77.46	17.85		150.0	
		Z	100.00	315.11	110.60		150.0	
10042-CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	X	5.45	75.18	15.09	7.78	50.0	± 9.6 %
		Y	100.00	111.18	25.84		50.0	
		Z	4142.80	186.82	45.79		50.0	
10044-CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	X	0.00	97.23	5.49	0.00	150.0	± 9.6 %
		Y	0.01	97.62	2.20		150.0	
		Z	0.26	37.67	9.19		150.0	
10048-CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	X	5.79	72.35	16.74	13.80	25.0	± 9.6 %
		Y	12.12	83.66	21.22		25.0	
		Z	100.00	122.10	34.23		25.0	
10049-CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	X	6.09	74.92	16.45	10.79	40.0	± 9.6 %
		Y	15.78	89.14	21.85		40.0	
		Z	1217.14	165.06	42.62		40.0	
10056-CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	X	7.09	78.16	19.24	9.03	50.0	± 9.6 %
		Y	13.41	89.59	23.82		50.0	
		Z	100.00	129.73	37.14		50.0	
10058-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	X	4.84	75.76	23.17	6.55	100.0	± 9.6 %
		Y	5.07	78.15	25.04		100.0	
		Z	59.14	152.83	53.83		100.0	
10059-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	X	1.21	64.22	15.02	0.61	110.0	± 9.6 %
		Y	1.29	65.81	16.44		110.0	
		Z	100.00	231.81	80.45		110.0	
10060-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	X	2.67	79.98	19.07	1.30	110.0	± 9.6 %
		Y	48.94	126.50	33.28		110.0	
		Z	100.00	341.03	123.57		110.0	

EX3DV4- SN:3820

June 27, 2017

10061-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	X	2.31	73.67	18.33	2.04	110.0	± 9.6 %
		Y	3.49	82.37	22.76		110.0	
		Z	100.00	210.62	71.14		110.0	
10062-CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	X	4.65	66.43	16.27	0.49	100.0	± 9.6 %
		Y	4.67	66.81	16.63		100.0	
		Z	5.64	73.86	22.61		100.0	
10063-CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	X	4.66	66.48	16.33	0.72	100.0	± 9.6 %
		Y	4.68	66.90	16.71		100.0	
		Z	5.71	74.16	22.80		100.0	
10064-CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	X	4.94	66.74	16.54	0.86	100.0	± 9.6 %
		Y	4.95	67.12	16.92		100.0	
		Z	5.86	73.67	22.55		100.0	
10065-CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	X	4.81	66.60	16.59	1.21	100.0	± 9.6 %
		Y	4.82	67.01	16.99		100.0	
		Z	5.73	73.68	22.78		100.0	
10066-CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	X	4.82	66.60	16.71	1.46	100.0	± 9.6 %
		Y	4.84	67.02	17.14		100.0	
		Z	5.71	73.54	22.86		100.0	
10067-CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	X	5.11	66.74	17.11	2.04	100.0	± 9.6 %
		Y	5.13	67.21	17.57		100.0	
		Z	5.90	73.06	22.84		100.0	
10068-CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	X	5.16	66.79	17.29	2.55	100.0	± 9.6 %
		Y	5.18	67.23	17.77		100.0	
		Z	5.88	72.68	22.83		100.0	
10069-CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	X	5.24	66.79	17.47	2.67	100.0	± 9.6 %
		Y	5.26	67.25	17.96		100.0	
		Z	5.90	72.49	22.89		100.0	
10071-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	X	4.93	66.42	16.97	1.99	100.0	± 9.6 %
		Y	4.96	66.87	17.43		100.0	
		Z	5.68	72.50	22.64		100.0	
10072-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	X	4.91	66.71	17.13	2.30	100.0	± 9.6 %
		Y	4.94	67.19	17.63		100.0	
		Z	5.79	73.46	23.20		100.0	
10073-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	X	4.97	66.85	17.40	2.83	100.0	± 9.6 %
		Y	5.02	67.38	17.95		100.0	
		Z	5.89	73.72	23.53		100.0	
10074-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	X	4.97	66.77	17.53	3.30	100.0	± 9.6 %
		Y	5.02	67.31	18.10		100.0	
		Z	5.87	73.51	23.59		100.0	
10075-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	X	5.02	66.91	17.82	3.82	90.0	± 9.6 %
		Y	5.07	67.44	18.40		90.0	
		Z	5.90	73.47	23.78		90.0	
10076-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	X	5.04	66.73	17.93	4.15	90.0	± 9.6 %
		Y	5.09	67.29	18.54		90.0	
		Z	5.85	72.89	23.70		90.0	
10077-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	X	5.07	66.80	18.02	4.30	90.0	± 9.6 %
		Y	5.13	67.37	18.64		90.0	
		Z	5.90	73.00	23.80		90.0	

EX3DV4- SN:3820

June 27, 2017

10081-CAB	CDMA2000 (1xRTT, RC3)	X	0.79	65.00	12.00	0.00	150.0	± 9.6 %
		Y	1.02	69.02	14.10		150.0	
		Z	99.96	1025.10	395.48		150.0	
10082-CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	X	0.80	58.55	4.10	4.77	80.0	± 9.6 %
		Y	0.89	60.00	5.19		80.0	
		Z	1.09	61.66	6.54		80.0	
10090-DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	X	6.67	78.42	16.17	6.56	60.0	± 9.6 %
		Y	100.00	113.01	26.41		60.0	
		Z	3887.44	208.20	53.14		60.0	
10097-CAB	UMTS-FDD (HSDPA)	X	1.78	67.00	15.26	0.00	150.0	± 9.6 %
		Y	1.96	69.11	16.54		150.0	
		Z	100.00	185.48	60.02		150.0	
10098-CAB	UMTS-FDD (HSUPA, Subtest 2)	X	1.74	66.93	15.22	0.00	150.0	± 9.6 %
		Y	1.92	69.08	16.52		150.0	
		Z	100.00	187.58	60.87		150.0	
10099-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	X	8.96	87.29	29.38	9.56	60.0	± 9.6 %
		Y	11.38	95.54	33.59		60.0	
		Z	100.00	163.50	57.17		60.0	
10100-CAC	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	3.04	69.67	16.35	0.00	150.0	± 9.6 %
		Y	3.25	71.21	17.34		150.0	
		Z	100.00	154.62	48.14		150.0	
10101-CAC	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	3.21	67.19	15.72	0.00	150.0	± 9.6 %
		Y	3.28	67.91	16.29		150.0	
		Z	23.98	117.34	38.48		150.0	
10102-CAC	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	3.32	67.20	15.84	0.00	150.0	± 9.6 %
		Y	3.38	67.86	16.37		150.0	
		Z	15.93	107.33	35.49		150.0	
10103-CAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	6.14	73.73	19.01	3.98	65.0	± 9.6 %
		Y	6.52	75.72	20.36		65.0	
		Z	100.00	138.35	43.09		65.0	
10104-CAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	6.37	72.73	19.42	3.98	65.0	± 9.6 %
		Y	6.53	74.02	20.44		65.0	
		Z	13.84	94.70	31.42		65.0	
10105-CAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	6.21	72.19	19.51	3.98	65.0	± 9.6 %
		Y	6.18	72.82	20.21		65.0	
		Z	11.95	91.00	30.24		65.0	
10108-CAD	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	2.65	68.90	16.16	0.00	150.0	± 9.6 %
		Y	2.83	70.48	17.19		150.0	
		Z	100.00	162.44	51.29		150.0	
10109-CAD	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	2.86	67.02	15.61	0.00	150.0	± 9.6 %
		Y	2.94	67.88	16.24		150.0	
		Z	100.00	154.01	48.37		150.0	
10110-CAD	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	2.15	67.93	15.71	0.00	150.0	± 9.6 %
		Y	2.31	69.76	16.87		150.0	
		Z	100.00	175.69	56.33		150.0	
10111-CAD	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	2.58	67.81	15.88	0.00	150.0	± 9.6 %
		Y	2.70	69.11	16.68		150.0	
		Z	100.00	160.83	50.51		150.0	

EX3DV4- SN:3820

June 27, 2017

10112-CAD	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	2.99	67.05	15.69	0.00	150.0	± 9.6 %
		Y	3.06	67.86	16.28		150.0	
		Z	100.00	152.41	47.84		150.0	
10113-CAD	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	2.73	68.00	16.04	0.00	150.0	± 9.6 %
		Y	2.85	69.22	16.79		150.0	
		Z	100.00	158.21	49.54		150.0	
10114-CAB	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	X	5.12	67.10	16.36	0.00	150.0	± 9.6 %
		Y	5.13	67.37	16.63		150.0	
		Z	6.08	73.35	21.91		150.0	
10115-CAB	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	X	5.41	67.23	16.43	0.00	150.0	± 9.6 %
		Y	5.39	67.41	16.66		150.0	
		Z	6.35	73.16	21.71		150.0	
10116-CAB	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	X	5.22	67.29	16.38	0.00	150.0	± 9.6 %
		Y	5.22	67.54	16.65		150.0	
		Z	6.29	73.90	22.07		150.0	
10117-CAB	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	X	5.09	66.96	16.30	0.00	150.0	± 9.6 %
		Y	5.10	67.22	16.57		150.0	
		Z	6.03	73.15	21.84		150.0	
10118-CAB	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	X	5.49	67.44	16.54	0.00	150.0	± 9.6 %
		Y	5.47	67.61	16.76		150.0	
		Z	6.66	74.08	22.13		150.0	
10119-CAB	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	X	5.19	67.23	16.36	0.00	150.0	± 9.6 %
		Y	5.20	67.50	16.64		150.0	
		Z	6.38	74.20	22.21		150.0	
10140-CAC	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	3.35	67.20	15.75	0.00	150.0	± 9.6 %
		Y	3.41	67.87	16.28		150.0	
		Z	17.60	109.10	35.85		150.0	
10141-CAC	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	3.48	67.34	15.94	0.00	150.0	± 9.6 %
		Y	3.54	67.97	16.45		150.0	
		Z	14.00	103.31	34.08		150.0	
10142-CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	1.92	67.86	15.33	0.00	150.0	± 9.6 %
		Y	2.11	70.11	16.63		150.0	
		Z	100.00	185.37	59.60		150.0	
10143-CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	2.43	68.47	15.55	0.00	150.0	± 9.6 %
		Y	2.62	70.32	16.51		150.0	
		Z	100.00	162.88	50.28		150.0	
10144-CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	2.20	66.19	13.93	0.00	150.0	± 9.6 %
		Y	2.29	67.40	14.59		150.0	
		Z	100.00	154.62	46.38		150.0	
10145-CAD	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	1.19	64.61	11.50	0.00	150.0	± 9.6 %
		Y	1.26	65.99	12.08		150.0	
		Z	100.00	248.09	82.07		150.0	
10146-CAD	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	1.78	64.90	10.95	0.00	150.0	± 9.6 %
		Y	2.09	67.28	11.96		150.0	
		Z	712.04	276.69	84.41		150.0	
10147-CAD	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	2.00	66.33	11.79	0.00	150.0	± 9.6 %
		Y	2.69	70.31	13.44		150.0	
		Z	100.00	220.57	74.66		150.0	

EX3DV4- SN:3820

June 27, 2017

10149-CAC	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	2.87	67.08	15.65	0.00	150.0	± 9.6 %
		Y	2.95	67.95	16.29		150.0	
		Z	100.00	154.13	48.44		150.0	
10150-CAC	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	3.00	67.11	15.73	0.00	150.0	± 9.6 %
		Y	3.07	67.92	16.33		150.0	
		Z	100.00	152.53	47.90		150.0	
10151-CAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	6.24	75.30	19.67	3.98	65.0	± 9.6 %
		Y	6.98	78.41	21.48		65.0	
		Z	100.00	141.58	44.22		65.0	
10152-CAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	5.84	72.40	18.95	3.98	65.0	± 9.6 %
		Y	6.06	73.97	20.08		65.0	
		Z	23.09	107.79	35.35		65.0	
10153-CAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	6.23	73.42	19.77	3.98	65.0	± 9.6 %
		Y	6.46	74.97	20.87		65.0	
		Z	24.41	109.40	36.30		65.0	
10154-CAD	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	2.20	68.37	15.98	0.00	150.0	± 9.6 %
		Y	2.36	70.22	17.14		150.0	
		Z	100.00	176.33	56.64		150.0	
10155-CAD	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	2.58	67.83	15.90	0.00	150.0	± 9.6 %
		Y	2.70	69.14	16.70		150.0	
		Z	100.00	160.93	50.55		150.0	
10156-CAD	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	1.76	67.88	15.09	0.00	150.0	± 9.6 %
		Y	1.98	70.46	16.51		150.0	
		Z	100.00	196.80	63.86		150.0	
10157-CAD	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	2.03	66.67	13.93	0.00	150.0	± 9.6 %
		Y	2.17	68.27	14.74		150.0	
		Z	100.00	161.98	48.95		150.0	
10158-CAD	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	2.74	68.07	16.09	0.00	150.0	± 9.6 %
		Y	2.85	69.30	16.84		150.0	
		Z	100.00	158.40	49.63		150.0	
10159-CAD	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	2.14	67.16	14.23	0.00	150.0	± 9.6 %
		Y	2.29	68.78	15.03		150.0	
		Z	100.00	161.16	48.70		150.0	
10160-CAC	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	2.68	68.11	15.99	0.00	150.0	± 9.6 %
		Y	2.83	69.48	16.90		150.0	
		Z	100.00	158.56	49.80		150.0	
10161-CAC	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	2.89	67.05	15.66	0.00	150.0	± 9.6 %
		Y	2.97	67.91	16.27		150.0	
		Z	100.00	153.49	48.10		150.0	
10162-CAC	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	3.00	67.21	15.77	0.00	150.0	± 9.6 %
		Y	3.08	68.07	16.38		150.0	
		Z	100.00	152.39	47.72		150.0	
10166-CAD	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	3.52	68.79	18.57	3.01	150.0	± 9.6 %
		Y	3.67	70.42	19.77		150.0	
		Z	31.17	140.34	51.55		150.0	
10167-CAD	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	4.25	71.24	18.85	3.01	150.0	± 9.6 %
		Y	4.66	74.04	20.49		150.0	
		Z	100.00	166.41	56.11		150.0	

EX3DV4- SN:3820

June 27, 2017

10168-CAD	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	4.74	73.57	20.25	3.01	150.0	± 9.6 %
		Y	5.28	76.81	22.02		150.0	
		Z	100.00	168.56	57.29		150.0	
10169-CAC	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	2.96	68.12	18.22	3.01	150.0	± 9.6 %
		Y	3.10	69.95	19.60		150.0	
		Z	27.88	146.87	55.29		150.0	
10170-CAC	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	3.95	73.28	20.29	3.01	150.0	± 9.6 %
		Y	4.54	77.26	22.46		150.0	
		Z	100.00	184.56	64.19		150.0	
10171-AAC	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	3.27	69.32	17.55	3.01	150.0	± 9.6 %
		Y	3.64	72.49	19.46		150.0	
		Z	100.00	178.95	61.00		150.0	
10172-CAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	6.42	82.08	23.78	6.02	65.0	± 9.6 %
		Y	8.92	91.54	28.44		65.0	
		Z	100.00	180.40	62.71		65.0	
10173-CAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	7.76	82.32	22.21	6.02	65.0	± 9.6 %
		Y	17.39	99.43	28.90		65.0	
		Z	100.00	168.40	56.40		65.0	
10174-CAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	5.48	76.27	19.59	6.02	65.0	± 9.6 %
		Y	12.58	92.69	26.28		65.0	
		Z	100.00	166.70	55.30		65.0	
10175-CAD	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	2.92	67.81	17.96	3.01	150.0	± 9.6 %
		Y	3.06	69.63	19.35		150.0	
		Z	25.13	143.03	53.98		150.0	
10176-CAD	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	3.96	73.31	20.30	3.01	150.0	± 9.6 %
		Y	4.55	77.28	22.47		150.0	
		Z	100.00	184.52	64.17		150.0	
10177-CAF	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	2.95	67.96	18.06	3.01	150.0	± 9.6 %
		Y	3.09	69.78	19.44		150.0	
		Z	26.75	145.00	54.56		150.0	
10178-CAD	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	X	3.92	73.08	20.17	3.01	150.0	± 9.6 %
		Y	4.50	77.06	22.36		150.0	
		Z	100.00	184.39	64.11		150.0	
10179-CAD	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	3.56	71.11	18.76	3.01	150.0	± 9.6 %
		Y	4.05	74.77	20.84		150.0	
		Z	100.00	181.49	62.41		150.0	
10180-CAD	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	X	3.26	69.25	17.51	3.01	150.0	± 9.6 %
		Y	3.63	72.42	19.42		150.0	
		Z	100.00	178.76	60.91		150.0	
10181-CAC	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	2.94	67.94	18.06	3.01	150.0	± 9.6 %
		Y	3.08	69.76	19.44		150.0	
		Z	26.44	144.70	54.49		150.0	
10182-CAC	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	3.91	73.06	20.16	3.01	150.0	± 9.6 %
		Y	4.49	77.03	22.35		150.0	
		Z	100.00	184.44	64.12		150.0	
10183-AAB	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	3.25	69.23	17.50	3.01	150.0	± 9.6 %
		Y	3.62	72.40	19.41		150.0	
		Z	100.00	178.82	60.93		150.0	

EX3DV4- SN:3820

June 27, 2017

10184-CAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	2.95	67.99	18.08	3.01	150.0	± 9.6 %
		Y	3.10	69.81	19.46		150.0	
		Z	27.06	145.32	54.65		150.0	
10185-CAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	X	3.93	73.13	20.20	3.01	150.0	± 9.6 %
		Y	4.52	77.11	22.39		150.0	
		Z	100.00	184.35	64.09		150.0	
10186-AAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	X	3.27	69.29	17.53	3.01	150.0	± 9.6 %
		Y	3.64	72.47	19.44		150.0	
		Z	100.00	178.71	60.89		150.0	
10187-CAD	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	2.96	68.04	18.14	3.01	150.0	± 9.6 %
		Y	3.10	69.87	19.53		150.0	
		Z	26.82	145.19	54.69		150.0	
10188-CAD	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	4.05	73.79	20.59	3.01	150.0	± 9.6 %
		Y	4.68	77.85	22.79		150.0	
		Z	100.00	184.78	64.34		150.0	
10189-AAD	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	3.33	69.67	17.79	3.01	150.0	± 9.6 %
		Y	3.73	72.95	19.74		150.0	
		Z	100.00	179.16	61.16		150.0	
10193-CAB	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	X	4.52	66.51	16.05	0.00	150.0	± 9.6 %
		Y	4.52	66.84	16.34		150.0	
		Z	5.72	74.96	22.80		150.0	
10194-CAB	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	X	4.68	66.81	16.17	0.00	150.0	± 9.6 %
		Y	4.69	67.13	16.46		150.0	
		Z	5.87	75.00	22.78		150.0	
10195-CAB	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	X	4.73	66.85	16.19	0.00	150.0	± 9.6 %
		Y	4.73	67.16	16.48		150.0	
		Z	5.88	74.87	22.71		150.0	
10196-CAB	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	X	4.52	66.56	16.07	0.00	150.0	± 9.6 %
		Y	4.52	66.89	16.35		150.0	
		Z	5.73	75.09	22.86		150.0	
10197-CAB	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	X	4.70	66.84	16.18	0.00	150.0	± 9.6 %
		Y	4.70	67.15	16.48		150.0	
		Z	5.87	74.98	22.77		150.0	
10198-CAB	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	X	4.73	66.86	16.20	0.00	150.0	± 9.6 %
		Y	4.73	67.18	16.49		150.0	
		Z	5.88	74.91	22.74		150.0	
10219-CAB	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	X	4.47	66.57	16.03	0.00	150.0	± 9.6 %
		Y	4.47	66.91	16.32		150.0	
		Z	5.79	75.67	23.11		150.0	
10220-CAB	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	X	4.69	66.81	16.17	0.00	150.0	± 9.6 %
		Y	4.69	67.11	16.46		150.0	
		Z	5.84	74.86	22.73		150.0	
10221-CAB	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	X	4.74	66.79	16.19	0.00	150.0	± 9.6 %
		Y	4.74	67.10	16.47		150.0	
		Z	5.83	74.58	22.59		150.0	
10222-CAB	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	X	5.06	66.97	16.30	0.00	150.0	± 9.6 %
		Y	5.07	67.22	16.57		150.0	
		Z	6.03	73.25	21.89		150.0	

EX3DV4- SN:3820

June 27, 2017

10223-CAB	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	X	5.36	67.18	16.42	0.00	150.0	± 9.6 %
		Y	5.38	67.47	16.71		150.0	
		Z	6.31	73.16	21.75		150.0	
10224-CAB	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	X	5.11	67.08	16.29	0.00	150.0	± 9.6 %
		Y	5.12	67.34	16.55		150.0	
		Z	6.14	73.59	21.96		150.0	
10225-CAB	UMTS-FDD (HSPA+)	X	2.78	65.88	15.13	0.00	150.0	± 9.6 %
		Y	2.83	66.61	15.60		150.0	
		Z	100.00	151.45	47.08		150.0	
10226-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	8.11	83.12	22.58	6.02	65.0	± 9.6 %
		Y	18.82	100.96	29.44		65.0	
		Z	100.00	168.54	56.51		65.0	
10227-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	7.64	81.26	21.41	6.02	65.0	± 9.6 %
		Y	17.09	97.72	27.84		65.0	
		Z	100.00	164.93	54.60		65.0	
10228-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	7.01	83.93	24.50	6.02	65.0	± 9.6 %
		Y	11.33	96.48	30.13		65.0	
		Z	100.00	179.91	62.56		65.0	
10229-CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	X	7.81	82.40	22.25	6.02	65.0	± 9.6 %
		Y	17.51	99.52	28.93		65.0	
		Z	100.00	168.28	56.35		65.0	
10230-CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	X	7.35	80.60	21.11	6.02	65.0	± 9.6 %
		Y	15.89	96.40	27.37		65.0	
		Z	100.00	164.96	54.58		65.0	
10231-CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	6.76	83.21	24.16	6.02	65.0	± 9.6 %
		Y	10.77	95.38	29.69		65.0	
		Z	100.00	179.81	62.47		65.0	
10232-CAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	X	7.80	82.38	22.24	6.02	65.0	± 9.6 %
		Y	17.49	99.52	28.93		65.0	
		Z	100.00	168.33	56.38		65.0	
10233-CAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	X	7.34	80.58	21.10	6.02	65.0	± 9.6 %
		Y	15.86	96.38	27.36		65.0	
		Z	100.00	165.02	54.61		65.0	
10234-CAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	6.54	82.50	23.80	6.02	65.0	± 9.6 %
		Y	10.30	94.37	29.25		65.0	
		Z	100.00	179.46	62.25		65.0	
10235-CAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	7.80	82.40	22.25	6.02	65.0	± 9.6 %
		Y	17.53	99.57	28.95		65.0	
		Z	100.00	168.37	56.40		65.0	
10236-CAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	7.39	80.66	21.13	6.02	65.0	± 9.6 %
		Y	16.05	96.55	27.41		65.0	
		Z	100.00	164.83	54.52		65.0	
10237-CAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	6.76	83.24	24.17	6.02	65.0	± 9.6 %
		Y	10.80	95.48	29.73		65.0	
		Z	100.00	179.93	62.52		65.0	
10238-CAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	7.78	82.36	22.23	6.02	65.0	± 9.6 %
		Y	17.46	99.50	28.92		65.0	
		Z	100.00	168.41	56.41		65.0	

EX3DV4- SN:3820

June 27, 2017

10239-CAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	7.32	80.56	21.10	6.02	65.0	± 9.6 %
		Y	15.81	96.35	27.35		65.0	
		Z	100.00	165.11	54.64		65.0	
10240-CAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	6.74	83.20	24.15	6.02	65.0	± 9.6 %
		Y	10.77	95.43	29.71		65.0	
		Z	100.00	179.99	62.55		65.0	
10241-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	7.85	78.52	23.46	6.98	65.0	± 9.6 %
		Y	8.99	83.16	26.04		65.0	
		Z	100.00	156.33	53.66		65.0	
10242-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	7.49	77.64	23.03	6.98	65.0	± 9.6 %
		Y	8.19	81.24	25.20		65.0	
		Z	100.00	155.65	53.22		65.0	
10243-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	6.21	75.06	22.80	6.98	65.0	± 9.6 %
		Y	6.46	77.40	24.55		65.0	
		Z	39.28	135.03	49.50		65.0	
10244-CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	4.91	70.99	15.73	3.98	65.0	± 9.6 %
		Y	5.82	74.58	17.54		65.0	
		Z	1807.91	194.97	53.15		65.0	
10245-CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	4.87	70.66	15.54	3.98	65.0	± 9.6 %
		Y	5.65	73.89	17.20		65.0	
		Z	2544.38	200.86	54.08		65.0	
10246-CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	4.40	72.62	16.65	3.98	65.0	± 9.6 %
		Y	5.40	76.82	18.71		65.0	
		Z	100.00	135.69	38.86		65.0	
10247-CAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	4.74	71.21	16.76	3.98	65.0	± 9.6 %
		Y	5.10	73.26	17.92		65.0	
		Z	100.00	132.73	38.58		65.0	
10248-CAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	4.78	70.92	16.63	3.98	65.0	± 9.6 %
		Y	5.07	72.72	17.67		65.0	
		Z	100.00	131.91	38.27		65.0	
10249-CAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	5.37	75.63	18.75	3.98	65.0	± 9.6 %
		Y	6.86	80.91	21.28		65.0	
		Z	100.00	140.91	42.06		65.0	
10250-CAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	5.77	74.12	19.61	3.98	65.0	± 9.6 %
		Y	6.16	76.28	20.95		65.0	
		Z	100.00	142.08	44.47		65.0	
10251-CAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	5.57	72.40	18.55	3.98	65.0	± 9.6 %
		Y	5.84	74.19	19.71		65.0	
		Z	100.00	138.98	43.00		65.0	
10252-CAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	6.06	76.74	20.14	3.98	65.0	± 9.6 %
		Y	7.24	81.19	22.45		65.0	
		Z	100.00	144.19	44.73		65.0	
10253-CAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	5.75	71.99	18.76	3.98	65.0	± 9.6 %
		Y	5.95	73.50	19.84		65.0	
		Z	21.54	105.88	34.59		65.0	
10254-CAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	6.11	72.91	19.48	3.98	65.0	± 9.6 %
		Y	6.31	74.40	20.54		65.0	
		Z	22.84	107.43	35.45		65.0	

EX3DV4- SN:3820

June 27, 2017

10255-CAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	6.04	74.92	19.72	3.98	65.0	± 9.6 %
		Y	6.68	77.84	21.45		65.0	
		Z	100.00	142.56	44.73		65.0	
10256-CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	3.92	67.83	13.31	3.98	65.0	± 9.6 %
		Y	4.32	69.99	14.48		65.0	
		Z	1998.61	186.91	49.28		65.0	
10257-CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	3.89	67.47	13.06	3.98	65.0	± 9.6 %
		Y	4.19	69.25	14.04		65.0	
		Z	2674.40	189.83	49.39		65.0	
10258-CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	3.49	69.14	14.33	3.98	65.0	± 9.6 %
		Y	3.90	71.54	15.61		65.0	
		Z	1571.90	173.56	44.22		65.0	
10259-CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	5.14	72.29	17.79	3.98	65.0	± 9.6 %
		Y	5.52	74.45	19.04		65.0	
		Z	100.00	135.97	40.62		65.0	
10260-CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	5.19	72.15	17.75	3.98	65.0	± 9.6 %
		Y	5.54	74.16	18.92		65.0	
		Z	100.00	135.38	40.41		65.0	
10261-CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	5.47	75.56	19.13	3.98	65.0	± 9.6 %
		Y	6.68	80.21	21.46		65.0	
		Z	100.00	142.10	43.06		65.0	
10262-CAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	5.76	74.06	19.57	3.98	65.0	± 9.6 %
		Y	6.14	76.22	20.90		65.0	
		Z	100.00	141.97	44.41		65.0	
10263-CAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	5.57	72.38	18.55	3.98	65.0	± 9.6 %
		Y	5.83	74.16	19.71		65.0	
		Z	100.00	139.01	43.01		65.0	
10264-CAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	6.01	76.58	20.06	3.98	65.0	± 9.6 %
		Y	7.17	80.99	22.36		65.0	
		Z	100.00	144.09	44.67		65.0	
10265-CAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	5.84	72.41	18.95	3.98	65.0	± 9.6 %
		Y	6.06	73.98	20.09		65.0	
		Z	23.11	107.82	35.37		65.0	
10266-CAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	6.23	73.41	19.76	3.98	65.0	± 9.6 %
		Y	6.45	74.96	20.86		65.0	
		Z	24.35	109.33	36.28		65.0	
10267-CAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	6.23	75.27	19.66	3.98	65.0	± 9.6 %
		Y	6.96	78.37	21.47		65.0	
		Z	100.00	141.56	44.22		65.0	
10268-CAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	6.54	72.71	19.54	3.98	65.0	± 9.6 %
		Y	6.68	73.89	20.49		65.0	
		Z	12.84	92.31	30.58		65.0	
10269-CAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	6.54	72.41	19.48	3.98	65.0	± 9.6 %
		Y	6.66	73.51	20.38		65.0	
		Z	11.72	89.77	29.65		65.0	
10270-CAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	6.38	73.77	19.26	3.98	65.0	± 9.6 %
		Y	6.77	75.75	20.58		65.0	
		Z	51.00	124.78	40.16		65.0	

EX3DV4- SN:3820

June 27, 2017

10274-CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	X	2.56	66.17	15.00	0.00	150.0	± 9.6 %
		Y	2.65	67.19	15.65		150.0	
		Z	100.00	153.85	47.65		150.0	
10275-CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	X	1.54	66.98	15.00	0.00	150.0	± 9.6 %
		Y	1.74	69.46	16.54		150.0	
		Z	100.00	204.32	67.54		150.0	
10277-CAA	PHS (QPSK)	X	2.71	62.37	8.12	9.03	50.0	± 9.6 %
		Y	2.68	62.66	8.29		50.0	
		Z	3.22	64.63	9.82		50.0	
10278-CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	X	4.18	68.63	13.69	9.03	50.0	± 9.6 %
		Y	4.65	70.71	14.81		50.0	
		Z	100.00	117.10	30.40		50.0	
10279-CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	X	4.27	68.84	13.83	9.03	50.0	± 9.6 %
		Y	4.75	70.95	14.96		50.0	
		Z	100.00	117.23	30.50		50.0	
10290-AAB	CDMA2000, RC1, SO55, Full Rate	X	1.34	67.52	13.34	0.00	150.0	± 9.6 %
		Y	1.72	71.66	15.24		150.0	
		Z	100.00	311.16	108.47		150.0	
10291-AAB	CDMA2000, RC3, SO55, Full Rate	X	0.78	64.82	11.88	0.00	150.0	± 9.6 %
		Y	0.99	68.66	13.92		150.0	
		Z	99.99	1036.58	399.96		150.0	
10292-AAB	CDMA2000, RC3, SO32, Full Rate	X	0.95	68.24	13.99	0.00	150.0	± 9.6 %
		Y	1.83	78.15	18.31		150.0	
		Z	99.92	1855.88	733.18		150.0	
10293-AAB	CDMA2000, RC3, SO3, Full Rate	X	1.41	73.78	16.90	0.00	150.0	± 9.6 %
		Y	6.60	96.96	24.96		150.0	
		Z	99.95	1384.20	545.31		150.0	
10295-AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	X	6.73	76.67	19.74	9.03	50.0	± 9.6 %
		Y	9.52	83.48	22.71		50.0	
		Z	100.00	123.57	34.80		50.0	
10297-AAB	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	2.67	69.00	16.23	0.00	150.0	± 9.6 %
		Y	2.85	70.59	17.26		150.0	
		Z	100.00	162.65	51.39		150.0	
10298-AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	1.49	66.80	13.60	0.00	150.0	± 9.6 %
		Y	1.69	69.32	14.85		150.0	
		Z	100.00	216.75	70.71		150.0	
10299-AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	2.33	67.69	13.28	0.00	150.0	± 9.6 %
		Y	3.21	72.51	15.40		150.0	
		Z	100.00	192.76	63.48		150.0	
10300-AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	1.86	64.20	10.85	0.00	150.0	± 9.6 %
		Y	2.01	65.72	11.56		150.0	
		Z	2160.78	253.93	71.06		150.0	
10301-AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	X	4.61	64.82	17.07	4.17	50.0	± 9.6 %
		Y	4.89	66.44	18.01		50.0	
		Z	8.27	80.66	26.18		50.0	
10302-AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols)	X	5.17	65.79	17.96	4.96	50.0	± 9.6 %
		Y	5.28	66.63	18.48		50.0	
		Z	7.10	75.71	24.41		50.0	

EX3DV4- SN:3820

June 27, 2017

10303-AAA	IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	X	4.94	65.46	17.81	4.96	50.0	± 9.6 %
		Y	5.05	66.32	18.33		50.0	
		Z	7.03	76.25	24.65		50.0	
10304-AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	X	4.73	65.30	17.30	4.17	50.0	± 9.6 %
		Y	4.83	66.12	17.79		50.0	
		Z	7.14	77.36	24.82		50.0	
10305-AAA	IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)	X	4.57	67.95	19.64	6.02	35.0	± 9.6 %
		Y	4.86	69.89	20.67		35.0	
		Z	56.40	128.50	42.20		35.0	
10306-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)	X	4.79	66.59	19.07	6.02	35.0	± 9.6 %
		Y	4.97	67.96	19.88		35.0	
		Z	10.95	89.63	30.71		35.0	
10307-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)	X	4.72	66.86	19.09	6.02	35.0	± 9.6 %
		Y	4.90	68.26	19.91		35.0	
		Z	12.81	93.72	32.04		35.0	
10308-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	X	4.70	67.09	19.24	6.02	35.0	± 9.6 %
		Y	4.90	68.58	20.10		35.0	
		Z	14.45	96.93	33.23		35.0	
10309-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols)	X	4.84	66.78	19.20	6.02	35.0	± 9.6 %
		Y	5.02	68.15	20.01		35.0	
		Z	11.07	89.94	30.90		35.0	
10310-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)	X	4.75	66.70	19.07	6.02	35.0	± 9.6 %
		Y	4.94	68.10	19.89		35.0	
		Z	11.84	91.69	31.42		35.0	
10311-AAB	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	3.02	68.36	15.92	0.00	150.0	± 9.6 %
		Y	3.22	69.78	16.85		150.0	
		Z	100.00	151.84	47.24		150.0	
10313-AAA	iDEN 1:3	X	3.12	69.01	13.97	6.99	70.0	± 9.6 %
		Y	4.18	74.21	16.74		70.0	
		Z	100.00	133.87	37.40		70.0	
10314-AAA	iDEN 1:6	X	3.58	71.84	17.80	10.00	30.0	± 9.6 %
		Y	5.74	80.77	21.94		30.0	
		Z	100.00	144.53	43.51		30.0	
10315-AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	X	1.08	63.20	14.61	0.17	150.0	± 9.6 %
		Y	1.14	64.52	15.82		150.0	
		Z	100.00	245.81	86.20		150.0	
10316-AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	X	4.55	66.44	16.07	0.17	150.0	± 9.6 %
		Y	4.57	66.83	16.42		150.0	
		Z	5.68	74.57	22.75		150.0	
10317-AAB	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	X	4.55	66.44	16.07	0.17	150.0	± 9.6 %
		Y	4.57	66.83	16.42		150.0	
		Z	5.68	74.57	22.75		150.0	
10400-AAC	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	X	4.67	66.85	16.15	0.00	150.0	± 9.6 %
		Y	4.67	67.18	16.46		150.0	
		Z	5.88	75.28	22.90		150.0	
10401-AAC	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	X	5.38	67.07	16.34	0.00	150.0	± 9.6 %
		Y	5.38	67.31	16.60		150.0	
		Z	6.14	72.26	21.25		150.0	

EX3DV4- SN:3820

June 27, 2017

10402-AAC	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	X	5.63	67.37	16.36	0.00	150.0	± 9.6 %
		Y	5.63	67.57	16.59		150.0	
		Z	6.41	72.23	21.04		150.0	
10403-AAB	CDMA2000 (1xEV-DO, Rev. 0)	X	1.34	67.52	13.34	0.00	115.0	± 9.6 %
		Y	1.72	71.66	15.24		115.0	
		Z	100.00	311.16	108.47		115.0	
10404-AAB	CDMA2000 (1xEV-DO, Rev. A)	X	1.34	67.52	13.34	0.00	115.0	± 9.6 %
		Y	1.72	71.66	15.24		115.0	
		Z	100.00	311.16	108.47		115.0	
10406-AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	X	9.35	89.23	22.19	0.00	100.0	± 9.6 %
		Y	100.00	122.16	30.62		100.0	
		Z	100.00	263.50	94.82		100.0	
10410-AAB	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.43	77.36	17.13	3.23	80.0	± 9.6 %
		Y	100.00	122.51	30.62		80.0	
		Z	100.00	234.42	82.68		80.0	
10415-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	X	1.00	62.52	14.22	0.00	150.0	± 9.6 %
		Y	1.05	63.71	15.33		150.0	
		Z	100.00	253.01	89.03		150.0	
10416-AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	X	4.52	66.54	16.11	0.00	150.0	± 9.6 %
		Y	4.52	66.87	16.41		150.0	
		Z	5.66	74.78	22.81		150.0	
10417-AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	X	4.52	66.54	16.11	0.00	150.0	± 9.6 %
		Y	4.52	66.87	16.41		150.0	
		Z	5.66	74.78	22.81		150.0	
10418-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preamble)	X	4.51	66.70	16.13	0.00	150.0	± 9.6 %
		Y	4.52	67.06	16.45		150.0	
		Z	5.84	75.76	23.23		150.0	
10419-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preamble)	X	4.53	66.65	16.14	0.00	150.0	± 9.6 %
		Y	4.54	66.99	16.44		150.0	
		Z	5.77	75.31	23.03		150.0	
10422-AAA	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	X	4.65	66.65	16.15	0.00	150.0	± 9.6 %
		Y	4.65	66.97	16.45		150.0	
		Z	5.74	74.54	22.63		150.0	
10423-AAA	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	X	4.81	66.96	16.26	0.00	150.0	± 9.6 %
		Y	4.80	67.27	16.55		150.0	
		Z	5.95	74.92	22.72		150.0	
10424-AAA	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	X	4.73	66.91	16.24	0.00	150.0	± 9.6 %
		Y	4.73	67.23	16.53		150.0	
		Z	5.91	75.10	22.84		150.0	
10425-AAA	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	X	5.33	67.22	16.42	0.00	150.0	± 9.6 %
		Y	5.33	67.44	16.67		150.0	
		Z	6.32	73.38	21.84		150.0	
10426-AAA	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	X	5.34	67.26	16.44	0.00	150.0	± 9.6 %
		Y	5.35	67.53	16.71		150.0	
		Z	6.59	74.28	22.25		150.0	

EX3DV4- SN:3820

June 27, 2017

10427-AAA	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	X	5.35	67.23	16.42	0.00	150.0	± 9.6 %
		Y	5.35	67.45	16.67		150.0	
		Z	6.23	72.97	21.64		150.0	
10430-AAA	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	X	4.31	71.14	18.31	0.00	150.0	± 9.6 %
		Y	4.35	71.79	18.62		150.0	
		Z	100.00	147.25	46.02		150.0	
10431-AAA	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	X	4.18	67.05	16.08	0.00	150.0	± 9.6 %
		Y	4.19	67.51	16.42		150.0	
		Z	7.32	83.67	26.45		150.0	
10432-AAA	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	X	4.49	66.94	16.17	0.00	150.0	± 9.6 %
		Y	4.50	67.32	16.49		150.0	
		Z	6.16	77.62	23.98		150.0	
10433-AAA	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	X	4.74	66.94	16.26	0.00	150.0	± 9.6 %
		Y	4.74	67.26	16.55		150.0	
		Z	5.93	75.13	22.85		150.0	
10434-AAA	W-CDMA (BS Test Model 1, 64 DPCH)	X	4.43	72.07	18.30	0.00	150.0	± 9.6 %
		Y	4.52	72.89	18.65		150.0	
		Z	100.00	144.99	44.45		150.0	
10435-AAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.32	76.98	16.95	3.23	80.0	± 9.6 %
		Y	100.00	122.25	30.50		80.0	
		Z	100.00	233.74	82.36		80.0	
10447-AAA	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	3.46	66.98	15.33	0.00	150.0	± 9.6 %
		Y	3.49	67.64	15.71		150.0	
		Z	100.00	141.66	42.84		150.0	
10448-AAA	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	X	4.03	66.83	15.94	0.00	150.0	± 9.6 %
		Y	4.04	67.30	16.29		150.0	
		Z	7.30	84.26	26.74		150.0	
10449-AAA	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	X	4.31	66.77	16.07	0.00	150.0	± 9.6 %
		Y	4.32	67.16	16.39		150.0	
		Z	6.09	78.13	24.28		150.0	
10450-AAA	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	4.51	66.71	16.11	0.00	150.0	± 9.6 %
		Y	4.52	67.04	16.41		150.0	
		Z	5.79	75.47	23.07		150.0	
10451-AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	X	3.34	67.10	14.92	0.00	150.0	± 9.6 %
		Y	3.37	67.79	15.27		150.0	
		Z	100.00	139.14	41.08		150.0	
10456-AAA	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	X	6.20	67.79	16.59	0.00	150.0	± 9.6 %
		Y	6.22	68.01	16.83		150.0	
		Z	7.23	72.67	21.08		150.0	
10457-AAA	UMTS-FDD (DC-HSDPA)	X	3.78	65.19	15.81	0.00	150.0	± 9.6 %
		Y	3.81	65.53	16.12		150.0	
		Z	4.64	73.02	22.71		150.0	
10458-AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	X	3.16	66.39	14.28	0.00	150.0	± 9.6 %
		Y	3.16	66.98	14.52		150.0	
		Z	100.00	135.65	39.03		150.0	
10459-AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	X	4.30	65.00	15.42	0.00	150.0	± 9.6 %
		Y	4.22	65.20	15.51		150.0	
		Z	7.77	80.37	24.10		150.0	

EX3DV4- SN:3820

June 27, 2017

10460-AAA	UMTS-FDD (WCDMA, AMR)	X	0.84	66.44	15.09	0.00	150.0	± 9.6 %
		Y	1.05	70.96	17.91		150.0	
		Z	100.00	430.58	160.17		150.0	
10461-AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.34	70.80	15.44	3.29	80.0	± 9.6 %
		Y	100.00	126.31	32.45		80.0	
		Z	100.00	308.51	115.38		80.0	
10462-AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.20	60.74	8.61	3.23	80.0	± 9.6 %
		Y	2.79	70.50	13.29		80.0	
		Z	100.00	350.44	131.12		80.0	
10463-AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.12	60.00	7.82	3.23	80.0	± 9.6 %
		Y	1.47	63.67	9.98		80.0	
		Z	100.00	366.48	137.35		80.0	
10464-AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	1.97	68.56	14.07	3.23	80.0	± 9.6 %
		Y	100.00	123.61	31.04		80.0	
		Z	100.00	326.58	122.78		80.0	
10465-AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.16	60.43	8.39	3.23	80.0	± 9.6 %
		Y	2.26	68.32	12.39		80.0	
		Z	100.00	348.37	130.12		80.0	
10466-AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.12	60.00	7.78	3.23	80.0	± 9.6 %
		Y	1.35	62.88	9.57		80.0	
		Z	100.00	360.34	134.63		80.0	
10467-AAB	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.01	68.89	14.23	3.23	80.0	± 9.6 %
		Y	100.00	123.92	31.18		80.0	
		Z	100.00	328.00	123.42		80.0	
10468-AAB	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.17	60.50	8.45	3.23	80.0	± 9.6 %
		Y	2.38	68.88	12.63		80.0	
		Z	100.00	349.94	130.83		80.0	
10469-AAB	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.12	60.00	7.78	3.23	80.0	± 9.6 %
		Y	1.36	62.92	9.59		80.0	
		Z	100.00	362.34	135.48		80.0	
10470-AAB	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.00	68.87	14.22	3.23	80.0	± 9.6 %
		Y	100.00	123.94	31.18		80.0	
		Z	100.00	329.37	124.00		80.0	
10471-AAB	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.16	60.48	8.42	3.23	80.0	± 9.6 %
		Y	2.36	68.79	12.58		80.0	
		Z	100.00	351.03	131.28		80.0	
10472-AAB	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.12	60.00	7.76	3.23	80.0	± 9.6 %
		Y	1.35	62.87	9.55		80.0	
		Z	100.00	363.99	136.17		80.0	
10473-AAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.00	68.85	14.21	3.23	80.0	± 9.6 %
		Y	100.00	123.91	31.16		80.0	
		Z	100.00	329.42	124.02		80.0	
10474-AAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.16	60.47	8.42	3.23	80.0	± 9.6 %
		Y	2.34	68.73	12.56		80.0	
		Z	100.00	351.83	131.62		80.0	
10475-AAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.12	60.00	7.77	3.23	80.0	± 9.6 %
		Y	1.35	62.85	9.54		80.0	
		Z	100.00	364.51	136.38		80.0	

EX3DV4- SN:3820

June 27, 2017

10477-AAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.15	60.40	8.36	3.23	80.0	± 9.6 %
		Y	2.25	68.29	12.37		80.0	
		Z	100.00	351.75	131.55		80.0	
10478-AAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.12	60.00	7.76	3.23	80.0	± 9.6 %
		Y	1.34	62.79	9.50		80.0	
		Z	100.00	364.16	136.23		80.0	
10479-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.31	71.76	16.93	3.23	80.0	± 9.6 %
		Y	11.36	92.09	24.75		80.0	
		Z	100.00	207.11	72.16		80.0	
10480-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.08	67.91	13.90	3.23	80.0	± 9.6 %
		Y	9.22	83.35	19.94		80.0	
		Z	100.00	191.23	64.28		80.0	
10481-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.77	66.31	12.90	3.23	80.0	± 9.6 %
		Y	6.56	78.27	17.87		80.0	
		Z	100.00	189.23	63.17		80.0	
10482-AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.06	65.63	13.34	2.23	80.0	± 9.6 %
		Y	2.87	71.04	16.02		80.0	
		Z	100.00	168.53	52.26		80.0	
10483-AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.65	65.62	12.88	2.23	80.0	± 9.6 %
		Y	4.28	72.72	16.17		80.0	
		Z	1891.82	241.37	68.86		80.0	
10484-AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.63	65.27	12.73	2.23	80.0	± 9.6 %
		Y	3.95	71.45	15.67		80.0	
		Z	1723.35	233.74	66.55		80.0	
10485-AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.46	67.59	15.14	2.23	80.0	± 9.6 %
		Y	3.40	73.38	18.05		80.0	
		Z	100.00	166.96	52.67		80.0	
10486-AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.65	65.72	13.90	2.23	80.0	± 9.6 %
		Y	3.15	68.98	15.63		80.0	
		Z	100.00	144.69	42.98		80.0	
10487-AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.68	65.55	13.81	2.23	80.0	± 9.6 %
		Y	3.13	68.56	15.42		80.0	
		Z	100.00	142.75	42.17		80.0	
10488-AAB	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.99	68.45	16.27	2.23	80.0	± 9.6 %
		Y	3.66	72.67	18.62		80.0	
		Z	100.00	158.28	50.16		80.0	
10489-AAB	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.18	66.72	15.63	2.23	80.0	± 9.6 %
		Y	3.53	69.17	17.13		80.0	
		Z	100.00	146.33	45.34		80.0	
10490-AAB	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.29	66.71	15.65	2.23	80.0	± 9.6 %
		Y	3.62	69.00	17.07		80.0	
		Z	100.00	144.68	44.70		80.0	
10491-AAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.38	68.12	16.35	2.23	80.0	± 9.6 %
		Y	3.87	71.13	18.17		80.0	
		Z	100.00	149.77	47.11		80.0	
10492-AAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.62	66.68	15.99	2.23	80.0	± 9.6 %
		Y	3.87	68.44	17.18		80.0	
		Z	100.00	142.77	44.59		80.0	

EX3DV4- SN:3820

June 27, 2017

10493-AAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.70	66.64	16.00	2.23	80.0	± 9.6 %
		Y	3.93	68.31	17.13		80.0	
		Z	100.00	141.88	44.26		80.0	
10494-AAB	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.54	69.01	16.57	2.23	80.0	± 9.6 %
		Y	4.18	72.54	18.61		80.0	
		Z	100.00	149.55	46.93		80.0	
10495-AAB	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.64	66.96	16.14	2.23	80.0	± 9.6 %
		Y	3.90	68.77	17.37		80.0	
		Z	100.00	143.61	45.02		80.0	
10496-AAB	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.74	66.85	16.14	2.23	80.0	± 9.6 %
		Y	3.97	68.52	17.30		80.0	
		Z	100.00	142.51	44.66		80.0	
10497-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	1.56	62.59	10.95	2.23	80.0	± 9.6 %
		Y	1.91	65.75	12.62		80.0	
		Z	100.00	167.80	50.85		80.0	
10498-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.46	60.03	8.70	2.23	80.0	± 9.6 %
		Y	1.45	60.57	8.96		80.0	
		Z	7420.13	188.24	44.06		80.0	
10499-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.48	60.00	8.56	2.23	80.0	± 9.6 %
		Y	1.41	60.09	8.55		80.0	
		Z	2476.53	164.73	38.68		80.0	
10500-AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.66	67.85	15.57	2.23	80.0	± 9.6 %
		Y	3.46	72.87	18.21		80.0	
		Z	100.00	162.25	51.13		80.0	
10501-AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.89	66.22	14.61	2.23	80.0	± 9.6 %
		Y	3.34	69.22	16.27		80.0	
		Z	100.00	144.43	43.48		80.0	
10502-AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.95	66.17	14.55	2.23	80.0	± 9.6 %
		Y	3.39	69.04	16.13		80.0	
		Z	100.00	142.63	42.69		80.0	
10503-AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.96	68.30	16.19	2.23	80.0	± 9.6 %
		Y	3.62	72.48	18.53		80.0	
		Z	100.00	158.22	50.12		80.0	
10504-AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.17	66.64	15.58	2.23	80.0	± 9.6 %
		Y	3.51	69.08	17.07		80.0	
		Z	100.00	146.21	45.28		80.0	
10505-AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.27	66.63	15.60	2.23	80.0	± 9.6 %
		Y	3.60	68.91	17.01		80.0	
		Z	100.00	144.59	44.65		80.0	
10506-AAB	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.51	68.90	16.51	2.23	80.0	± 9.6 %
		Y	4.14	72.40	18.54		80.0	
		Z	100.00	149.45	46.87		80.0	
10507-AAB	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.63	66.90	16.10	2.23	80.0	± 9.6 %
		Y	3.88	68.71	17.34		80.0	
		Z	100.00	143.58	45.00		80.0	

EX3DV4- SN:3820

June 27, 2017

10508-AAB	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.73	66.79	16.10	2.23	80.0	± 9.6 %
		Y	3.96	68.45	17.26		80.0	
		Z	100.00	142.43	44.62		80.0	
10509-AAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.99	68.59	16.47	2.23	80.0	± 9.6 %
		Y	4.46	71.13	18.04		80.0	
		Z	100.00	142.11	44.18		80.0	
10510-AAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.16	67.04	16.33	2.23	80.0	± 9.6 %
		Y	4.36	68.42	17.34		80.0	
		Z	50.98	125.20	40.21		80.0	
10511-AAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.23	66.91	16.33	2.23	80.0	± 9.6 %
		Y	4.42	68.19	17.28		80.0	
		Z	30.77	113.70	37.01		80.0	
10512-AAB	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.00	69.40	16.64	2.23	80.0	± 9.6 %
		Y	4.65	72.58	18.49		80.0	
		Z	100.00	143.21	44.41		80.0	
10513-AAB	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.02	67.16	16.35	2.23	80.0	± 9.6 %
		Y	4.25	68.65	17.43		80.0	
		Z	100.00	140.91	44.33		80.0	
10514-AAB	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.08	66.91	16.31	2.23	80.0	± 9.6 %
		Y	4.27	68.26	17.32		80.0	
		Z	41.23	121.15	39.27		80.0	
10515-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	X	0.96	62.66	14.25	0.00	150.0	± 9.6 %
		Y	1.02	63.95	15.44		150.0	
		Z	100.00	263.21	93.12		150.0	
10516-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	X	0.52	66.95	15.36	0.00	150.0	± 9.6 %
		Y	0.81	75.72	20.49		150.0	
		Z	0.24	60.00	15168.414		150.0	
10517-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	X	0.80	64.07	14.59	0.00	150.0	± 9.6 %
		Y	0.89	66.47	16.48		150.0	
		Z	100.00	354.05	129.74		150.0	
10518-AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	X	4.51	66.62	16.09	0.00	150.0	± 9.6 %
		Y	4.52	66.96	16.40		150.0	
		Z	5.77	75.40	23.05		150.0	
10519-AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	X	4.69	66.84	16.21	0.00	150.0	± 9.6 %
		Y	4.69	67.16	16.50		150.0	
		Z	5.89	75.21	22.89		150.0	
10520-AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	X	4.54	66.79	16.13	0.00	150.0	± 9.6 %
		Y	4.54	67.12	16.42		150.0	
		Z	5.89	75.94	23.25		150.0	
10521-AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	X	4.47	66.78	16.11	0.00	150.0	± 9.6 %
		Y	4.48	67.11	16.41		150.0	
		Z	5.86	76.21	23.41		150.0	
10522-AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	X	4.53	66.88	16.20	0.00	150.0	± 9.6 %
		Y	4.54	67.24	16.51		150.0	

Certificate No: EX3-3820_Jun17

Page 30 of 38

EX3DV4- SN:3820

June 27, 2017

10523-AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	Z	5.94	76.40	23.51		150.0	
		X	4.42	66.76	16.05	0.00	150.0	± 9.6 %
		Y	4.43	67.14	16.38		150.0	
		Z	6.01	77.05	23.77		150.0	
10524-AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	X	4.48	66.80	16.16	0.00	150.0	± 9.6 %
		Y	4.48	67.15	16.48		150.0	
		Z	5.91	76.54	23.62		150.0	
10525-AAA	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	X	4.47	65.86	15.76	0.00	150.0	± 9.6 %
		Y	4.49	66.23	16.08		150.0	
		Z	5.96	75.26	22.99		150.0	
10526-AAA	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)	X	4.63	66.21	15.90	0.00	150.0	± 9.6 %
		Y	4.64	66.57	16.22		150.0	
		Z	6.19	75.75	23.13		150.0	
10527-AAA	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	X	4.55	66.17	15.84	0.00	150.0	± 9.6 %
		Y	4.56	66.53	16.16		150.0	
		Z	6.23	76.22	23.33		150.0	
10528-AAA	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	X	4.57	66.18	15.87	0.00	150.0	± 9.6 %
		Y	4.58	66.55	16.19		150.0	
		Z	6.21	76.10	23.30		150.0	
10529-AAA	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	X	4.57	66.18	15.87	0.00	150.0	± 9.6 %
		Y	4.58	66.55	16.19		150.0	
		Z	6.21	76.10	23.30		150.0	
10531-AAA	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)	X	4.55	66.27	15.88	0.00	150.0	± 9.6 %
		Y	4.56	66.63	16.20		150.0	
		Z	6.29	76.60	23.51		150.0	
10532-AAA	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	X	4.42	66.12	15.81	0.00	150.0	± 9.6 %
		Y	4.43	66.49	16.13		150.0	
		Z	6.20	76.82	23.66		150.0	
10533-AAA	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)	X	4.58	66.23	15.87	0.00	150.0	± 9.6 %
		Y	4.59	66.62	16.19		150.0	
		Z	6.34	76.60	23.48		150.0	
10534-AAA	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	X	5.11	66.30	15.95	0.00	150.0	± 9.6 %
		Y	5.12	66.57	16.22		150.0	
		Z	6.21	72.90	21.62		150.0	
10535-AAA	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	X	5.17	66.48	16.03	0.00	150.0	± 9.6 %
		Y	5.18	66.75	16.31		150.0	
		Z	6.34	73.31	21.81		150.0	
10536-AAA	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	X	5.04	66.43	15.98	0.00	150.0	± 9.6 %
		Y	5.06	66.72	16.27		150.0	
		Z	6.28	73.63	21.98		150.0	
10537-AAA	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	X	5.10	66.40	15.97	0.00	150.0	± 9.6 %
		Y	5.11	66.67	16.25		150.0	
		Z	6.39	73.67	21.97		150.0	
10538-AAA	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	X	5.19	66.41	16.02	0.00	150.0	± 9.6 %
		Y	5.19	66.67	16.28		150.0	
		Z	6.31	73.05	21.69		150.0	
10540-AAA	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	X	5.12	66.42	16.04	0.00	150.0	± 9.6 %
		Y	5.12	66.66	16.30		150.0	
		Z	6.18	72.92	21.68		150.0	

Certificate No: EX3-3820_Jun17

Page 31 of 38

EX3DV4- SN:3820

June 27, 2017

10541-AAA	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)	X	5.09	66.30	15.97	0.00	150.0	± 9.6 %
		Y	5.10	66.56	16.23		150.0	
		Z	6.12	72.66	21.54		150.0	
10542-AAA	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	X	5.25	66.38	16.02	0.00	150.0	± 9.6 %
		Y	5.26	66.63	16.29		150.0	
		Z	6.26	72.49	21.41		150.0	
10543-AAA	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	X	5.32	66.41	16.06	0.00	150.0	± 9.6 %
		Y	5.32	66.64	16.31		150.0	
		Z	6.40	72.71	21.52		150.0	
10544-AAA	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	X	5.42	66.43	15.96	0.00	150.0	± 9.6 %
		Y	5.44	66.66	16.20		150.0	
		Z	6.33	71.61	20.82		150.0	
10545-AAA	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)	X	5.61	66.83	16.10	0.00	150.0	± 9.6 %
		Y	5.63	67.09	16.37		150.0	
		Z	6.89	73.16	21.47		150.0	
10546-AAA	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	X	5.48	66.62	16.02	0.00	150.0	± 9.6 %
		Y	5.49	66.83	16.26		150.0	
		Z	6.44	71.99	20.97		150.0	
10547-AAA	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	X	5.55	66.66	16.03	0.00	150.0	± 9.6 %
		Y	5.56	66.89	16.28		150.0	
		Z	6.75	72.76	21.30		150.0	
10548-AAA	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	X	5.77	67.48	16.41	0.00	150.0	± 9.6 %
		Y	5.77	67.70	16.66		150.0	
		Z	7.54	75.19	22.36		150.0	
10550-AAA	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	X	5.51	66.65	16.04	0.00	150.0	± 9.6 %
		Y	5.53	66.91	16.31		150.0	
		Z	6.90	73.42	21.63		150.0	
10551-AAA	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	X	5.52	66.69	16.02	0.00	150.0	± 9.6 %
		Y	5.52	66.89	16.26		150.0	
		Z	6.37	71.77	20.84		150.0	
10552-AAA	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	X	5.43	66.50	15.94	0.00	150.0	± 9.6 %
		Y	5.45	66.75	16.19		150.0	
		Z	6.39	71.92	20.92		150.0	
10553-AAA	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	X	5.51	66.53	15.98	0.00	150.0	± 9.6 %
		Y	5.52	66.74	16.22		150.0	
		Z	6.37	71.55	20.75		150.0	
10554-AAA	IEEE 1602.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	X	5.83	66.80	16.05	0.00	150.0	± 9.6 %
		Y	5.86	67.01	16.28		150.0	
		Z	6.75	71.45	20.51		150.0	
10555-AAA	IEEE 1602.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	X	5.95	67.08	16.17	0.00	150.0	± 9.6 %
		Y	5.97	67.29	16.40		150.0	
		Z	7.01	72.16	20.82		150.0	
10556-AAA	IEEE 1602.11ac WiFi (160MHz, MCS2, 99pc duty cycle)	X	5.97	67.13	16.18	0.00	150.0	± 9.6 %
		Y	6.00	67.35	16.43		150.0	
		Z	7.09	72.36	20.90		150.0	
10557-AAA	IEEE 1602.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	X	5.94	67.03	16.16	0.00	150.0	± 9.6 %
		Y	5.96	67.23	16.39		150.0	
		Z	6.88	71.76	20.64		150.0	

EX3DV4- SN:3820

June 27, 2017

10558-AAA	IEEE 1602.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	X	5.98	67.18	16.25	0.00	150.0	± 9.6 %
		Y	6.00	67.39	16.48		150.0	
		Z	6.87	71.79	20.68		150.0	
10560-AAA	IEEE 1602.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	X	5.98	67.04	16.22	0.00	150.0	± 9.6 %
		Y	5.99	67.24	16.44		150.0	
		Z	6.85	71.56	20.59		150.0	
10561-AAA	IEEE 1602.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	X	5.90	67.01	16.23	0.00	150.0	± 9.6 %
		Y	5.92	67.22	16.47		150.0	
		Z	6.83	71.76	20.74		150.0	
10562-AAA	IEEE 1602.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	X	6.01	67.35	16.40	0.00	150.0	± 9.6 %
		Y	6.02	67.51	16.62		150.0	
		Z	6.88	71.91	20.81		150.0	
10563-AAA	IEEE 1602.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	X	6.18	67.47	16.42	0.00	150.0	± 9.6 %
		Y	6.11	67.42	16.53		150.0	
		Z	7.95	74.44	21.89		150.0	
10564-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)	X	4.83	66.66	16.22	0.46	150.0	± 9.6 %
		Y	4.84	66.98	16.52		150.0	
		Z	5.76	73.50	22.07		150.0	
10565-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)	X	5.06	67.12	16.56	0.46	150.0	± 9.6 %
		Y	5.05	67.41	16.83		150.0	
		Z	6.00	73.94	22.35		150.0	
10566-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)	X	4.89	66.95	16.36	0.46	150.0	± 9.6 %
		Y	4.89	67.24	16.64		150.0	
		Z	5.90	74.17	22.41		150.0	
10567-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)	X	4.92	67.36	16.73	0.46	150.0	± 9.6 %
		Y	4.92	67.65	17.01		150.0	
		Z	6.08	75.25	23.16		150.0	
10568-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle)	X	4.79	66.68	16.09	0.46	150.0	± 9.6 %
		Y	4.80	67.03	16.41		150.0	
		Z	5.78	73.87	22.13		150.0	
10569-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	X	4.88	67.46	16.79	0.46	150.0	± 9.6 %
		Y	4.89	67.80	17.10		150.0	
		Z	6.24	76.25	23.68		150.0	
10570-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle)	X	4.91	67.31	16.73	0.46	150.0	± 9.6 %
		Y	4.91	67.62	17.02		150.0	
		Z	6.08	75.36	23.23		150.0	
10571-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	X	1.15	63.63	14.73	0.46	130.0	± 9.6 %
		Y	1.22	65.05	16.04		130.0	
		Z	100.00	235.22	81.84		130.0	
10572-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	X	1.16	64.10	15.02	0.46	130.0	± 9.6 %
		Y	1.24	65.67	16.42		130.0	
		Z	100.00	238.71	83.30		130.0	
10573-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	X	1.10	73.74	17.96	0.46	130.0	± 9.6 %
		Y	3.08	92.78	26.10		130.0	
		Z	100.00	802.14	312.80		130.0	
10574-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	X	1.20	68.46	17.25	0.46	130.0	± 9.6 %
		Y	1.41	72.12	19.70		130.0	
		Z	100.00	289.47	104.04		130.0	

EX3DV4- SN:3820

June 27, 2017

10575-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	X	4.60	66.36	16.16	0.46	130.0	± 9.6 %
		Y	4.61	66.73	16.51		130.0	
		Z	5.57	73.76	22.47		130.0	
10576-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	X	4.62	66.53	16.24	0.46	130.0	± 9.6 %
		Y	4.64	66.91	16.59		130.0	
		Z	5.72	74.44	22.79		130.0	
10577-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	X	4.82	66.82	16.41	0.46	130.0	± 9.6 %
		Y	4.83	67.18	16.75		130.0	
		Z	5.87	74.42	22.74		130.0	
10578-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	X	4.72	66.98	16.52	0.46	130.0	± 9.6 %
		Y	4.73	67.33	16.85		130.0	
		Z	5.95	75.50	23.37		130.0	
10579-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	X	4.47	66.19	15.77	0.46	130.0	± 9.6 %
		Y	4.49	66.58	16.14		130.0	
		Z	5.53	74.04	22.32		130.0	
10580-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	X	4.52	66.23	15.79	0.46	130.0	± 9.6 %
		Y	4.53	66.64	16.17		130.0	
		Z	5.57	74.07	22.30		130.0	
10581-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	X	4.61	66.99	16.44	0.46	130.0	± 9.6 %
		Y	4.63	67.38	16.80		130.0	
		Z	6.06	76.54	23.83		130.0	
10582-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	X	4.42	65.94	15.55	0.46	130.0	± 9.6 %
		Y	4.42	66.35	15.93		130.0	
		Z	5.41	73.63	22.00		130.0	
10583-AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	X	4.60	66.36	16.16	0.46	130.0	± 9.6 %
		Y	4.61	66.73	16.51		130.0	
		Z	5.57	73.76	22.47		130.0	
10584-AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	X	4.62	66.53	16.24	0.46	130.0	± 9.6 %
		Y	4.64	66.91	16.59		130.0	
		Z	5.72	74.44	22.79		130.0	
10585-AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	X	4.82	66.82	16.41	0.46	130.0	± 9.6 %
		Y	4.83	67.18	16.75		130.0	
		Z	5.87	74.42	22.74		130.0	
10586-AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	X	4.72	66.98	16.52	0.46	130.0	± 9.6 %
		Y	4.73	67.33	16.85		130.0	
		Z	5.95	75.50	23.37		130.0	
10587-AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	X	4.47	66.19	15.77	0.46	130.0	± 9.6 %
		Y	4.49	66.58	16.14		130.0	
		Z	5.53	74.04	22.32		130.0	
10588-AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	X	4.52	66.23	15.79	0.46	130.0	± 9.6 %
		Y	4.53	66.64	16.17		130.0	
		Z	5.57	74.07	22.30		130.0	
10589-AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	X	4.61	66.99	16.44	0.46	130.0	± 9.6 %
		Y	4.63	67.38	16.80		130.0	
		Z	6.06	76.54	23.83		130.0	
10590-AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	X	4.42	65.94	15.55	0.46	130.0	± 9.6 %
		Y	4.42	66.35	15.93		130.0	
		Z	5.41	73.63	22.00		130.0	

EX3DV4-- SN:3820

June 27, 2017

10591-AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	X	4.75	66.45	16.29	0.46	130.0	± 9.6 %
		Y	4.77	66.79	16.61		130.0	
		Z	5.63	73.21	22.23		130.0	
10592-AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	X	4.90	66.77	16.42	0.46	130.0	± 9.6 %
		Y	4.90	67.11	16.74		130.0	
		Z	5.83	73.70	22.41		130.0	
10593-AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	X	4.82	66.66	16.28	0.46	130.0	± 9.6 %
		Y	4.82	67.01	16.61		130.0	
		Z	5.77	73.76	22.37		130.0	
10594-AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	X	4.87	66.84	16.45	0.46	130.0	± 9.6 %
		Y	4.88	67.18	16.77		130.0	
		Z	5.85	74.01	22.57		130.0	
10595-AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	X	4.84	66.78	16.33	0.46	130.0	± 9.6 %
		Y	4.85	67.14	16.68		130.0	
		Z	5.87	74.24	22.60		130.0	
10596-AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle)	X	4.77	66.76	16.33	0.46	130.0	± 9.6 %
		Y	4.78	67.13	16.68		130.0	
		Z	5.82	74.40	22.72		130.0	
10597-AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle)	X	4.72	66.66	16.20	0.46	130.0	± 9.6 %
		Y	4.73	67.02	16.55		130.0	
		Z	5.77	74.27	22.58		130.0	
10598-AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	X	4.71	66.91	16.48	0.46	130.0	± 9.6 %
		Y	4.72	67.25	16.81		130.0	
		Z	5.86	75.02	23.15		130.0	
10599-AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	X	5.42	67.00	16.52	0.46	130.0	± 9.6 %
		Y	5.43	67.25	16.81		130.0	
		Z	6.42	73.01	21.87		130.0	
10600-AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	X	5.54	67.36	16.67	0.46	130.0	± 9.6 %
		Y	5.55	67.65	16.98		130.0	
		Z	7.04	75.03	22.76		130.0	
10601-AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	X	5.43	67.13	16.57	0.46	130.0	± 9.6 %
		Y	5.44	67.42	16.88		130.0	
		Z	6.46	73.32	22.01		130.0	
10602-AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	X	5.53	67.17	16.51	0.46	130.0	± 9.6 %
		Y	5.57	67.56	16.87		130.0	
		Z	6.58	73.31	21.88		130.0	
10603-AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)	X	5.61	67.47	16.79	0.46	130.0	± 9.6 %
		Y	5.63	67.80	17.12		130.0	
		Z	6.77	74.07	22.40		130.0	
10604-AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)	X	5.44	67.02	16.55	0.46	130.0	± 9.6 %
		Y	5.50	67.45	16.93		130.0	
		Z	6.76	74.06	22.38		130.0	
10605-AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)	X	5.53	67.26	16.67	0.46	130.0	± 9.6 %
		Y	5.55	67.59	17.00		130.0	
		Z	6.67	73.74	22.21		130.0	
10606-AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)	X	5.27	66.59	16.19	0.46	130.0	± 9.6 %
		Y	5.28	66.87	16.50		130.0	
		Z	6.26	72.60	21.54		130.0	

EX3DV4- SN:3820

June 27, 2017

10607-AAA	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	X	4.58	65.73	15.89	0.46	130.0	± 9.6 %
		Y	4.61	66.14	16.26		130.0	
		Z	5.83	74.03	22.61		130.0	
10608-AAA	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	X	4.76	66.12	16.05	0.46	130.0	± 9.6 %
		Y	4.78	66.51	16.41		130.0	
		Z	6.08	74.58	22.80		130.0	
10609-AAA	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	X	4.65	65.94	15.88	0.46	130.0	± 9.6 %
		Y	4.67	66.36	16.25		130.0	
		Z	6.02	74.70	22.78		130.0	
10610-AAA	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	X	4.70	66.11	16.05	0.46	130.0	± 9.6 %
		Y	4.72	66.52	16.41		130.0	
		Z	6.09	74.94	22.99		130.0	
10611-AAA	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	X	4.61	65.91	15.88	0.46	130.0	± 9.6 %
		Y	4.63	66.32	16.26		130.0	
		Z	5.98	74.73	22.85		130.0	
10612-AAA	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	X	4.61	66.03	15.91	0.46	130.0	± 9.6 %
		Y	4.64	66.47	16.30		130.0	
		Z	6.10	75.37	23.13		130.0	
10613-AAA	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	X	4.62	65.91	15.79	0.46	130.0	± 9.6 %
		Y	4.64	66.32	16.17		130.0	
		Z	5.99	74.74	22.74		130.0	
10614-AAA	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	X	4.57	66.13	16.05	0.46	130.0	± 9.6 %
		Y	4.59	66.53	16.41		130.0	
		Z	6.09	75.68	23.40		130.0	
10615-AAA	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	X	4.61	65.72	15.64	0.46	130.0	± 9.6 %
		Y	4.63	66.15	16.03		130.0	
		Z	5.94	74.33	22.47		130.0	
10616-AAA	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	X	5.23	66.22	16.11	0.46	130.0	± 9.6 %
		Y	5.25	66.52	16.43		130.0	
		Z	6.24	72.33	21.56		130.0	
10617-AAA	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	X	5.30	66.39	16.17	0.46	130.0	± 9.6 %
		Y	5.32	66.72	16.50		130.0	
		Z	6.42	72.91	21.80		130.0	
10618-AAA	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	X	5.18	66.39	16.19	0.46	130.0	± 9.6 %
		Y	5.21	66.74	16.53		130.0	
		Z	6.34	73.19	22.00		130.0	
10619-AAA	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	X	5.19	66.19	16.02	0.46	130.0	± 9.6 %
		Y	5.22	66.52	16.35		130.0	
		Z	6.39	72.99	21.80		130.0	
10620-AAA	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	X	5.28	66.23	16.09	0.46	130.0	± 9.6 %
		Y	5.30	66.54	16.41		130.0	
		Z	6.33	72.47	21.57		130.0	
10621-AAA	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	X	5.29	66.40	16.30	0.46	130.0	± 9.6 %
		Y	5.31	66.69	16.60		130.0	
		Z	6.23	72.27	21.64		130.0	
10622-AAA	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	X	5.30	66.54	16.36	0.46	130.0	± 9.6 %
		Y	5.33	66.87	16.69		130.0	
		Z	6.28	72.61	21.81		130.0	

Certificate No: EX3-3820_Jun17

Page 36 of 38

EX3DV4- SN:3820

June 27, 2017

10623-AAA	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	X	5.18	66.06	15.98	0.46	130.0	± 9.6 %
		Y	5.20	66.36	16.30		130.0	
		Z	6.06	71.77	21.25		130.0	
10624-AAA	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	X	5.37	66.27	16.16	0.46	130.0	± 9.6 %
		Y	5.39	66.57	16.47		130.0	
		Z	6.30	71.98	21.36		130.0	
10625-AAA	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	X	5.70	67.13	16.64	0.46	130.0	± 9.6 %
		Y	5.65	67.24	16.86		130.0	
		Z	6.41	72.14	21.49		130.0	
10626-AAA	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	X	5.53	66.30	16.09	0.46	130.0	± 9.6 %
		Y	5.56	66.57	16.38		130.0	
		Z	6.36	71.13	20.79		130.0	
10627-AAA	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	X	5.76	66.83	16.31	0.46	130.0	± 9.6 %
		Y	5.79	67.15	16.63		130.0	
		Z	7.11	73.26	21.73		130.0	
10628-AAA	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	X	5.55	66.35	16.00	0.46	130.0	± 9.6 %
		Y	5.58	66.61	16.30		130.0	
		Z	6.41	71.27	20.75		130.0	
10629-AAA	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	X	5.63	66.40	16.02	0.46	130.0	± 9.6 %
		Y	5.65	66.69	16.33		130.0	
		Z	6.76	72.18	21.15		130.0	
10630-AAA	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	X	6.00	67.72	16.68	0.46	130.0	± 9.6 %
		Y	6.01	67.95	16.97		130.0	
		Z	7.85	75.44	22.62		130.0	
10631-AAA	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	X	5.94	67.66	16.86	0.46	130.0	± 9.6 %
		Y	5.94	67.86	17.11		130.0	
		Z	7.19	73.89	22.19		130.0	
10632-AAA	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	X	5.74	66.94	16.51	0.46	130.0	± 9.6 %
		Y	5.77	67.23	16.81		130.0	
		Z	7.32	74.18	22.33		130.0	
10633-AAA	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	X	5.62	66.54	16.13	0.46	130.0	± 9.6 %
		Y	5.64	66.81	16.43		130.0	
		Z	6.38	71.18	20.75		130.0	
10634-AAA	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	X	5.61	66.58	16.22	0.46	130.0	± 9.6 %
		Y	5.63	66.83	16.50		130.0	
		Z	6.47	71.62	21.03		130.0	
10635-AAA	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	X	5.48	65.86	15.57	0.46	130.0	± 9.6 %
		Y	5.50	66.13	15.88		130.0	
		Z	6.15	70.13	19.96		130.0	
10636-AAA	IEEE 1602.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	X	5.94	66.67	16.18	0.46	130.0	± 9.6 %
		Y	5.98	66.93	16.46		130.0	
		Z	6.81	71.08	20.54		130.0	
10637-AAA	IEEE 1602.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	X	6.09	67.03	16.34	0.46	130.0	± 9.6 %
		Y	6.13	67.30	16.63		130.0	
		Z	7.16	72.05	20.98		130.0	
10638-AAA	IEEE 1602.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	X	6.09	67.00	16.31	0.46	130.0	± 9.6 %
		Y	6.13	67.27	16.59		130.0	
		Z	7.23	72.23	21.03		130.0	

EX3DV4- SN:3820

June 27, 2017

10639-AAA	IEEE 1602.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	X	6.07	66.96	16.33	0.46	130.0	± 9.6 %
		Y	6.10	67.20	16.60		130.0	
		Z	6.96	71.45	20.71		130.0	
10640-AAA	IEEE 1602.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	X	6.07	66.94	16.26	0.46	130.0	± 9.6 %
		Y	6.10	67.20	16.55		130.0	
		Z	6.88	71.22	20.54		130.0	
10641-AAA	IEEE 1602.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	X	6.12	66.87	16.24	0.46	130.0	± 9.6 %
		Y	6.16	67.16	16.54		130.0	
		Z	7.16	71.77	20.80		130.0	
10642-AAA	IEEE 1602.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	X	6.16	67.15	16.56	0.46	130.0	± 9.6 %
		Y	6.19	67.38	16.82		130.0	
		Z	7.02	71.56	20.90		130.0	
10643-AAA	IEEE 1602.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	X	6.00	66.80	16.27	0.46	130.0	± 9.6 %
		Y	6.03	67.08	16.57		130.0	
		Z	6.86	71.25	20.65		130.0	
10644-AAA	IEEE 1602.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	X	6.14	67.24	16.51	0.46	130.0	± 9.6 %
		Y	6.15	67.44	16.77		130.0	
		Z	6.91	71.41	20.74		130.0	
10645-AAA	IEEE 1602.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	X	6.37	67.56	16.63	0.46	130.0	± 9.6 %
		Y	6.28	67.48	16.75		130.0	
		Z	8.45	75.21	22.41		130.0	
10646-AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	X	11.23	92.80	29.87	9.30	60.0	± 9.6 %
		Y	21.09	110.97	37.33		60.0	
		Z	100.00	173.73	61.54		60.0	
10647-AAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	X	10.46	91.94	29.69	9.30	60.0	± 9.6 %
		Y	18.57	108.91	36.87		60.0	
		Z	100.00	176.11	62.63		60.0	
10648-AAA	CDMA2000 (1x Advanced)	X	0.66	62.92	10.34	0.00	150.0	± 9.6 %
		Y	0.73	64.84	11.47		150.0	
		Z	99.99	1398.36	541.58		150.0	

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