

Appendix A: DAE and Probe Calibration Certificate

EX3DV4- SN:7494

February 26, 2018

10112-CAE	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	2.87	67.40	15.81	0.00	150.0	± 9.6 %
		Y	2.70	66.60	15.21		150.0	
		Z	2.76	67.33	15.64		150.0	
10113-CAE	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	2.63	68.77	16.12	0.00	150.0	± 9.6 %
		Y	2.40	67.53	15.19		150.0	
		Z	2.51	68.70	15.76		150.0	
10114-CAC	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	X	4.95	67.13	16.42	0.00	150.0	± 9.6 %
		Y	4.85	66.84	16.24		150.0	
		Z	4.85	67.12	16.40		150.0	
10115-CAC	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	X	5.19	67.19	16.45	0.00	150.0	± 9.6 %
		Y	5.10	66.92	16.29		150.0	
		Z	5.08	67.17	16.41		150.0	
10116-CAC	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	X	5.03	67.31	16.44	0.00	150.0	± 9.6 %
		Y	4.93	67.00	16.25		150.0	
		Z	4.91	67.26	16.39		150.0	
10117-CAC	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	X	4.94	67.08	16.41	0.00	150.0	± 9.6 %
		Y	4.84	66.75	16.22		150.0	
		Z	4.83	67.00	16.35		150.0	
10118-CAC	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	X	5.26	67.38	16.55	0.00	150.0	± 9.6 %
		Y	5.18	67.15	16.41		150.0	
		Z	5.14	67.33	16.50		150.0	
10119-CAC	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	X	5.03	67.31	16.45	0.00	150.0	± 9.6 %
		Y	4.93	67.03	16.27		150.0	
		Z	4.92	67.30	16.42		150.0	
10140-CAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	3.22	67.39	15.88	0.00	150.0	± 9.6 %
		Y	3.07	66.69	15.39		150.0	
		Z	3.11	67.25	15.76		150.0	
10141-CAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	3.35	67.56	16.08	0.00	150.0	± 9.6 %
		Y	3.20	66.89	15.61		150.0	
		Z	3.24	67.46	15.97		150.0	
10142-CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	1.80	68.59	15.33	0.00	150.0	± 9.6 %
		Y	1.53	66.49	13.76		150.0	
		Z	1.64	67.93	14.59		150.0	
10143-CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	2.29	69.05	15.16	0.00	150.0	± 9.6 %
		Y	1.94	66.78	13.54		150.0	
		Z	2.05	68.12	14.12		150.0	
10144-CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	1.95	65.96	13.09	0.00	150.0	± 9.6 %
		Y	1.71	64.37	11.76		150.0	
		Z	1.71	64.91	11.94		150.0	
10145-CAE	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	0.80	61.66	8.31	0.00	150.0	± 9.6 %
		Y	0.63	60.00	6.42		150.0	
		Z	0.60	60.00	6.26		150.0	
10146-CAE	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	0.93	60.23	6.53	0.00	150.0	± 9.6 %
		Y	0.85	59.54	5.70		150.0	
		Z	0.78	60.00	5.45		150.0	
10147-CAE	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	0.97	60.53	6.79	0.00	150.0	± 9.6 %
		Y	0.90	60.00	6.07		150.0	
		Z	0.79	60.00	5.50		150.0	

Certificate No: EX3-7494\_Feb18

Page 16 of 39

Appendix A: DAE and Probe Calibration Certificate

EX3DV4- SN:7494

February 26, 2018

10149-CAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	2.75	67.40	15.78	0.00	150.0	± 9.6 %
		Y	2.58	66.55	15.14		150.0	
		Z	2.64	67.28	15.59		150.0	
10150-CAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	2.88	67.47	15.86	0.00	150.0	± 9.6 %
		Y	2.71	66.66	15.25		150.0	
		Z	2.77	67.39	15.69		150.0	
10151-CAD	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	4.99	75.67	20.72	3.98	65.0	± 9.6 %
		Y	4.54	74.14	19.94		65.0	
		Z	4.82	75.77	20.80		65.0	
10152-CAD	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	4.45	70.90	18.86	3.98	65.0	± 9.6 %
		Y	4.17	69.87	18.26		65.0	
		Z	4.26	70.67	18.66		65.0	
10153-CAD	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	4.79	71.97	19.73	3.98	65.0	± 9.6 %
		Y	4.50	70.99	19.17		65.0	
		Z	4.61	71.85	19.59		65.0	
10154-CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	2.08	69.01	16.23	0.00	150.0	± 9.6 %
		Y	1.85	67.42	15.08		150.0	
		Z	1.95	68.66	15.88		150.0	
10155-CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	2.49	68.62	16.01	0.00	150.0	± 9.6 %
		Y	2.26	67.33	15.03		150.0	
		Z	2.38	68.57	15.67		150.0	
10156-CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	1.62	68.33	14.75	0.00	150.0	± 9.6 %
		Y	1.32	65.72	12.82		150.0	
		Z	1.42	67.19	13.63		150.0	
10157-CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	1.76	66.14	12.77	0.00	150.0	± 9.6 %
		Y	1.47	64.00	11.06		150.0	
		Z	1.47	64.54	11.21		150.0	
10158-CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	2.64	68.86	16.18	0.00	150.0	± 9.6 %
		Y	2.41	67.62	15.24		150.0	
		Z	2.52	68.81	15.83		150.0	
10159-CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	1.84	66.49	12.98	0.00	150.0	± 9.6 %
		Y	1.52	64.19	11.20		150.0	
		Z	1.52	64.73	11.33		150.0	
10160-CAD	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	2.60	68.75	16.31	0.00	150.0	± 9.6 %
		Y	2.41	67.74	15.55		150.0	
		Z	2.47	68.55	16.10		150.0	
10161-CAD	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	2.76	67.44	15.73	0.00	150.0	± 9.6 %
		Y	2.59	66.58	15.07		150.0	
		Z	2.65	67.35	15.50		150.0	
10162-CAD	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	2.88	67.68	15.88	0.00	150.0	± 9.6 %
		Y	2.70	66.83	15.23		150.0	
		Z	2.76	67.62	15.66		150.0	
10166-CAE	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	3.02	67.96	18.28	3.01	150.0	± 9.6 %
		Y	3.03	68.30	18.53		150.0	
		Z	2.86	67.79	18.34		150.0	
10167-CAE	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	3.42	70.11	18.44	3.01	150.0	± 9.6 %
		Y	3.50	70.73	18.75		150.0	
		Z	3.20	70.16	18.62		150.0	

Appendix A: DAE and Probe Calibration Certificate

EX3DV4- SN:7494

February 26, 2018

10168-CAE	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	3.80	72.47	19.91	3.01	150.0	± 9.6 %
		Y	3.97	73.52	20.42		150.0	
		Z	3.59	72.78	20.23		150.0	
10169-CAD	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	2.40	66.10	17.40	3.01	150.0	± 9.6 %
		Y	2.46	66.60	17.71		150.0	
		Z	2.33	66.05	17.51		150.0	
10170-CAD	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	2.86	70.22	19.21	3.01	150.0	± 9.6 %
		Y	3.07	71.47	19.80		150.0	
		Z	2.76	70.55	19.53		150.0	
10171-AAD	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	2.43	67.02	16.67	3.01	150.0	± 9.6 %
		Y	2.55	67.67	16.96		150.0	
		Z	2.33	67.12	16.84		150.0	
10172-CAD	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	3.22	76.35	23.22	6.02	65.0	± 9.6 %
		Y	2.88	74.18	22.38		65.0	
		Z	2.74	74.43	22.80		65.0	
10173-CAD	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	4.36	80.46	22.94	6.02	65.0	± 9.6 %
		Y	4.63	81.45	23.36		65.0	
		Z	3.93	80.61	23.43		65.0	
10174-CAD	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	3.95	78.13	21.47	6.02	65.0	± 9.6 %
		Y	3.58	76.48	20.90		65.0	
		Z	3.41	77.60	21.68		65.0	
10175-CAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	2.38	65.87	17.19	3.01	150.0	± 9.6 %
		Y	2.43	66.33	17.47		150.0	
		Z	2.30	65.82	17.28		150.0	
10176-CAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	2.86	70.24	19.22	3.01	150.0	± 9.6 %
		Y	3.08	71.50	19.81		150.0	
		Z	2.76	70.57	19.54		150.0	
10177-CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	2.39	65.97	17.26	3.01	150.0	± 9.6 %
		Y	2.45	66.44	17.54		150.0	
		Z	2.32	65.91	17.35		150.0	
10178-CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	X	2.85	70.12	19.14	3.01	150.0	± 9.6 %
		Y	3.06	71.36	19.72		150.0	
		Z	2.75	70.47	19.48		150.0	
10179-CAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	2.62	68.53	17.82	3.01	150.0	± 9.6 %
		Y	2.78	69.42	18.23		150.0	
		Z	2.52	68.74	18.07		150.0	
10180-CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	X	2.43	66.99	16.64	3.01	150.0	± 9.6 %
		Y	2.55	67.64	16.93		150.0	
		Z	2.33	67.10	16.82		150.0	
10181-CAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	2.39	65.96	17.25	3.01	150.0	± 9.6 %
		Y	2.44	66.43	17.54		150.0	
		Z	2.31	65.90	17.34		150.0	
10182-CAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	2.84	70.10	19.13	3.01	150.0	± 9.6 %
		Y	3.05	71.33	19.71		150.0	
		Z	2.75	70.45	19.47		150.0	
10183-AAC	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	2.43	66.97	16.63	3.01	150.0	± 9.6 %
		Y	2.55	67.62	16.92		150.0	
		Z	2.32	67.08	16.81		150.0	

Appendix A: DAE and Probe Calibration Certificate

EX3DV4- SN:7494

February 26, 2018

10184-CAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	2.39	65.99	17.27	3.01	150.0	± 9.6 %
		Y	2.45	66.47	17.56		150.0	
		Z	2.32	65.93	17.36		150.0	
10185-CAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	X	2.85	70.16	19.17	3.01	150.0	± 9.6 %
		Y	3.07	71.40	19.75		150.0	
		Z	2.76	70.51	19.50		150.0	
10186-AAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	X	2.44	67.02	16.66	3.01	150.0	± 9.6 %
		Y	2.56	67.67	16.95		150.0	
		Z	2.33	67.13	16.84		150.0	
10187-CAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	2.40	66.06	17.35	3.01	150.0	± 9.6 %
		Y	2.46	66.54	17.64		150.0	
		Z	2.33	66.01	17.45		150.0	
10188-CAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	2.92	70.63	19.48	3.01	150.0	± 9.6 %
		Y	3.15	71.97	20.11		150.0	
		Z	2.82	70.99	19.83		150.0	
10189-AAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	2.48	67.32	16.90	3.01	150.0	± 9.6 %
		Y	2.60	68.01	17.21		150.0	
		Z	2.37	67.44	17.08		150.0	
10193-CAC	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	X	4.36	66.79	16.12	0.00	150.0	± 9.6 %
		Y	4.24	66.43	15.86		150.0	
		Z	4.25	66.88	16.06		150.0	
10194-CAC	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	X	4.50	67.02	16.25	0.00	150.0	± 9.6 %
		Y	4.38	66.66	16.00		150.0	
		Z	4.38	67.06	16.19		150.0	
10195-CAC	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	X	4.53	67.04	16.27	0.00	150.0	± 9.6 %
		Y	4.41	66.68	16.02		150.0	
		Z	4.40	67.05	16.19		150.0	
10196-CAC	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	X	4.34	66.79	16.11	0.00	150.0	± 9.6 %
		Y	4.22	66.42	15.84		150.0	
		Z	4.23	66.84	16.03		150.0	
10197-CAC	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	X	4.51	67.03	16.26	0.00	150.0	± 9.6 %
		Y	4.38	66.66	16.01		150.0	
		Z	4.38	67.05	16.19		150.0	
10198-CAC	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	X	4.53	67.04	16.27	0.00	150.0	± 9.6 %
		Y	4.40	66.67	16.02		150.0	
		Z	4.39	67.04	16.19		150.0	
10219-CAC	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	X	4.30	66.83	16.08	0.00	150.0	± 9.6 %
		Y	4.17	66.45	15.81		150.0	
		Z	4.19	66.90	16.01		150.0	
10220-CAC	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	X	4.50	66.99	16.24	0.00	150.0	± 9.6 %
		Y	4.38	66.63	16.00		150.0	
		Z	4.37	67.02	16.18		150.0	
10221-CAC	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	X	4.54	66.98	16.26	0.00	150.0	± 9.6 %
		Y	4.42	66.63	16.01		150.0	
		Z	4.41	67.00	16.19		150.0	
10222-CAC	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	X	4.91	67.06	16.39	0.00	150.0	± 9.6 %
		Y	4.81	66.75	16.20		150.0	
		Z	4.81	67.01	16.35		150.0	

Appendix A: DAE and Probe Calibration Certificate

EX3DV4- SN:7494

February 26, 2018

10223-CAC	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	X	5.18	67.25	16.50	0.00	150.0	± 9.6 %
		Y	5.07	66.94	16.31		150.0	
		Z	5.03	67.10	16.40		150.0	
10224-CAC	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	X	4.95	67.17	16.38	0.00	150.0	± 9.6 %
		Y	4.85	66.86	16.19		150.0	
		Z	4.85	67.15	16.34		150.0	
10225-CAB	UMTS-FDD (HSPA+)	X	2.64	66.25	14.92	0.00	150.0	± 9.6 %
		Y	2.47	65.44	14.20		150.0	
		Z	2.51	66.11	14.44		150.0	
10226-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	4.57	81.37	23.38	6.02	65.0	± 9.6 %
		Y	4.90	82.52	23.85		65.0	
		Z	4.15	81.66	23.92		65.0	
10227-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	4.60	80.57	22.40	6.02	65.0	± 9.6 %
		Y	4.89	81.58	22.82		65.0	
		Z	4.14	80.85	22.92		65.0	
10228-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	3.35	77.29	23.65	6.02	65.0	± 9.6 %
		Y	3.36	77.54	23.87		65.0	
		Z	2.92	75.79	23.43		65.0	
10229-CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	X	4.39	80.55	22.98	6.02	65.0	± 9.6 %
		Y	4.67	81.55	23.40		65.0	
		Z	3.96	80.71	23.47		65.0	
10230-CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	X	4.37	79.68	21.99	6.02	65.0	± 9.6 %
		Y	4.61	80.55	22.37		65.0	
		Z	3.91	79.81	22.46		65.0	
10231-CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	3.26	76.70	23.33	6.02	65.0	± 9.6 %
		Y	3.26	76.88	23.51		65.0	
		Z	2.84	75.20	23.10		65.0	
10232-CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	X	4.39	80.53	22.98	6.02	65.0	± 9.6 %
		Y	4.66	81.53	23.40		65.0	
		Z	3.96	80.69	23.47		65.0	
10233-CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	X	4.36	79.65	21.99	6.02	65.0	± 9.6 %
		Y	4.60	80.51	22.36		65.0	
		Z	3.89	79.77	22.44		65.0	
10234-CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	3.19	76.23	23.02	6.02	65.0	± 9.6 %
		Y	3.18	76.36	23.17		65.0	
		Z	2.78	74.77	22.80		65.0	
10235-CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	4.38	80.55	22.98	6.02	65.0	± 9.6 %
		Y	4.66	81.55	23.41		65.0	
		Z	3.96	80.70	23.48		65.0	
10236-CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	4.40	79.78	22.03	6.02	65.0	± 9.6 %
		Y	4.64	80.65	22.40		65.0	
		Z	3.94	79.92	22.49		65.0	
10237-CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	3.25	76.71	23.34	6.02	65.0	± 9.6 %
		Y	3.26	76.89	23.52		65.0	
		Z	2.83	75.20	23.10		65.0	
10238-CAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	4.37	80.51	22.96	6.02	65.0	± 9.6 %
		Y	4.65	81.50	23.39		65.0	
		Z	3.95	80.66	23.46		65.0	

Appendix A: DAE and Probe Calibration Certificate

EX3DV4- SN:7494

February 26, 2018

10239-CAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	4.34	79.61	21.97	6.02	65.0	± 9.6 %
		Y	4.58	80.47	22.35		65.0	
		Z	3.88	79.72	22.43		65.0	
10240-CAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	3.25	76.69	23.33	6.02	65.0	± 9.6 %
		Y	3.25	76.87	23.51		65.0	
		Z	2.83	75.19	23.10		65.0	
10241-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	5.67	76.94	23.64	6.98	65.0	± 9.6 %
		Y	5.73	77.33	23.85		65.0	
		Z	5.41	77.83	24.19		65.0	
10242-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	5.51	76.48	23.38	6.98	65.0	± 9.6 %
		Y	5.15	75.22	22.87		65.0	
		Z	5.17	76.81	23.79		65.0	
10243-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	4.66	73.35	22.88	6.98	65.0	± 9.6 %
		Y	4.37	72.03	22.31		65.0	
		Z	4.40	73.35	23.12		65.0	
10244-CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	2.90	67.06	13.06	3.98	65.0	± 9.6 %
		Y	2.71	66.26	12.47		65.0	
		Z	2.39	65.15	11.38		65.0	
10245-CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	2.85	66.61	12.78	3.98	65.0	± 9.6 %
		Y	2.68	65.84	12.20		65.0	
		Z	2.36	64.77	11.12		65.0	
10246-CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	3.01	71.40	15.89	3.98	65.0	± 9.6 %
		Y	2.36	67.99	13.82		65.0	
		Z	2.41	68.64	13.94		65.0	
10247-CAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	3.36	69.51	15.75	3.98	65.0	± 9.6 %
		Y	2.95	67.61	14.45		65.0	
		Z	2.97	68.07	14.42		65.0	
10248-CAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	3.34	68.90	15.44	3.98	65.0	± 9.6 %
		Y	2.95	67.15	14.22		65.0	
		Z	2.92	67.38	14.07		65.0	
10249-CAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	4.26	76.83	19.56	3.98	65.0	± 9.6 %
		Y	3.47	73.55	17.79		65.0	
		Z	3.81	75.50	18.55		65.0	
10250-CAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	4.36	73.05	19.62	3.98	65.0	± 9.6 %
		Y	4.02	71.77	18.85		65.0	
		Z	4.18	72.90	19.29		65.0	
10251-CAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	4.16	70.97	18.24	3.98	65.0	± 9.6 %
		Y	3.84	69.74	17.45		65.0	
		Z	3.91	70.51	17.72		65.0	
10252-CAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	4.83	77.80	21.42	3.98	65.0	± 9.6 %
		Y	4.26	75.76	20.36		65.0	
		Z	4.64	77.86	21.33		65.0	
10253-CAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	4.40	70.58	18.61	3.98	65.0	± 9.6 %
		Y	4.13	69.58	18.00		65.0	
		Z	4.22	70.40	18.37		65.0	
10254-CAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	4.70	71.50	19.34	3.98	65.0	± 9.6 %
		Y	4.41	70.53	18.77		65.0	
		Z	4.51	71.38	19.13		65.0	

Appendix A: DAE and Probe Calibration Certificate

EX3DV4– SN:7494

February 26, 2018

10255-CAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	4.76	74.95	20.56	3.98	65.0	± 9.6 %
		Y	4.35	73.52	19.81		65.0	
		Z	4.59	75.06	20.58		65.0	
10256-CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	2.08	63.27	9.80	3.98	65.0	± 9.6 %
		Y	1.95	62.60	9.21		65.0	
		Z	1.70	61.73	8.15		65.0	
10257-CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	2.07	62.91	9.50	3.98	65.0	± 9.6 %
		Y	1.94	62.29	8.92		65.0	
		Z	1.69	61.46	7.88		65.0	
10258-CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	2.01	65.63	11.91	3.98	65.0	± 9.6 %
		Y	1.65	63.35	10.17		65.0	
		Z	1.59	63.25	9.83		65.0	
10259-CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	3.78	71.05	17.26	3.98	65.0	± 9.6 %
		Y	3.37	69.33	16.13		65.0	
		Z	3.46	70.13	16.31		65.0	
10260-CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	3.81	70.78	17.12	3.98	65.0	± 9.6 %
		Y	3.41	69.12	16.02		65.0	
		Z	3.48	69.84	16.15		65.0	
10261-CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	4.32	76.55	20.03	3.98	65.0	± 9.6 %
		Y	3.68	73.97	18.61		65.0	
		Z	4.03	75.96	19.43		65.0	
10262-CAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	4.35	72.98	19.56	3.98	65.0	± 9.6 %
		Y	4.00	71.69	18.79		65.0	
		Z	4.16	72.81	19.23		65.0	
10263-CAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	4.15	70.95	18.23	3.98	65.0	± 9.6 %
		Y	3.83	69.72	17.45		65.0	
		Z	3.90	70.49	17.72		65.0	
10264-CAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	4.78	77.59	21.30	3.98	65.0	± 9.6 %
		Y	4.21	75.55	20.24		65.0	
		Z	4.59	77.63	21.21		65.0	
10265-CAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	4.45	70.90	18.87	3.98	65.0	± 9.6 %
		Y	4.17	69.87	18.27		65.0	
		Z	4.26	70.67	18.67		65.0	
10266-CAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	4.79	71.96	19.72	3.98	65.0	± 9.6 %
		Y	4.50	70.98	19.16		65.0	
		Z	4.60	71.84	19.58		65.0	
10267-CAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	4.98	75.63	20.70	3.98	65.0	± 9.6 %
		Y	4.53	74.10	19.92		65.0	
		Z	4.81	75.72	20.78		65.0	
10268-CAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	5.11	71.08	19.43	3.98	65.0	± 9.6 %
		Y	4.84	70.20	18.97		65.0	
		Z	4.92	70.93	19.36		65.0	
10269-CAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	5.13	70.76	19.32	3.98	65.0	± 9.6 %
		Y	4.87	69.92	18.86		65.0	
		Z	4.96	70.66	19.25		65.0	
10270-CAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	5.11	73.33	19.86	3.98	65.0	± 9.6 %
		Y	4.76	72.19	19.29		65.0	
		Z	4.96	73.43	19.98		65.0	

Appendix A: DAE and Probe Calibration Certificate

EX3DV4- SN:7494

February 26, 2018

10274-CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	X	2.48	66.86	14.99	0.00	150.0	± 9.6 %
		Y	2.30	65.90	14.17		150.0	
		Z	2.37	66.79	14.57		150.0	
10275-CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	X	1.53	68.05	15.40	0.00	150.0	± 9.6 %
		Y	1.32	66.12	13.91		150.0	
		Z	1.45	67.75	14.99		150.0	
10277-CAA	PHS (QPSK)	X	1.30	58.93	4.20	9.03	50.0	± 9.6 %
		Y	1.32	58.56	3.87		50.0	
		Z	1.18	58.32	3.49		50.0	
10278-CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	X	2.49	64.91	10.26	9.03	50.0	± 9.6 %
		Y	2.32	63.55	9.26		50.0	
		Z	2.17	63.27	8.86		50.0	
10279-CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	X	2.57	65.18	10.47	9.03	50.0	± 9.6 %
		Y	2.38	63.76	9.44		50.0	
		Z	2.22	63.44	9.03		50.0	
10290-AAB	CDMA2000, RC1, SO55, Full Rate	X	1.01	65.74	11.23	0.00	150.0	± 9.6 %
		Y	0.67	61.70	8.06		150.0	
		Z	0.69	62.65	8.67		150.0	
10291-AAB	CDMA2000, RC3, SO55, Full Rate	X	0.64	64.08	10.26	0.00	150.0	± 9.6 %
		Y	0.41	60.32	6.85		150.0	
		Z	0.48	61.84	8.06		150.0	
10292-AAB	CDMA2000, RC3, SO32, Full Rate	X	0.93	69.17	13.09	0.00	150.0	± 9.6 %
		Y	0.46	61.72	7.96		150.0	
		Z	0.63	65.19	10.18		150.0	
10293-AAB	CDMA2000, RC3, SO3, Full Rate	X	2.58	81.84	18.38	0.00	150.0	± 9.6 %
		Y	0.61	64.42	9.84		150.0	
		Z	1.45	74.16	14.40		150.0	
10295-AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	X	16.38	93.11	24.71	9.03	50.0	± 9.6 %
		Y	16.06	90.60	23.14		50.0	
		Z	41.75	104.48	26.91		50.0	
10297-AAC	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	2.56	69.49	16.58	0.00	150.0	± 9.6 %
		Y	2.33	68.15	15.68		150.0	
		Z	2.43	69.17	16.39		150.0	
10298-AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	1.18	65.35	11.77	0.00	150.0	± 9.6 %
		Y	0.89	62.40	9.35		150.0	
		Z	0.90	63.00	9.64		150.0	
10299-AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	1.36	63.05	9.42	0.00	150.0	± 9.6 %
		Y	1.26	62.26	8.62		150.0	
		Z	1.05	61.24	7.54		150.0	
10300-AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	1.15	60.99	7.59	0.00	150.0	± 9.6 %
		Y	1.07	60.46	6.94		150.0	
		Z	0.89	59.75	5.99		150.0	
10301-AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	X	4.25	64.73	16.86	4.17	50.0	± 9.6 %
		Y	4.21	64.78	16.74		50.0	
		Z	4.10	64.79	16.69		50.0	
10302-AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols)	X	4.74	65.43	17.63	4.96	50.0	± 9.6 %
		Y	4.66	65.24	17.38		50.0	
		Z	4.60	65.49	17.44		50.0	

Appendix A: DAE and Probe Calibration Certificate

EX3DV4- SN:7494

February 26, 2018

10303-AAA	IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	X	4.49	65.00	17.39	4.96	50.0	± 9.6 %
		Y	4.44	65.13	17.34		50.0	
		Z	4.36	65.13	17.21		50.0	
10304-AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	X	4.34	65.04	16.98	4.17	50.0	± 9.6 %
		Y	4.25	64.81	16.70		50.0	
		Z	4.21	65.16	16.81		50.0	
10305-AAA	IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)	X	3.71	65.40	17.85	6.02	35.0	± 9.6 %
		Y	3.72	65.71	17.67		35.0	
		Z	3.59	65.50	17.36		35.0	
10306-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)	X	4.14	65.15	17.96	6.02	35.0	± 9.6 %
		Y	4.12	65.33	17.82		35.0	
		Z	4.02	65.33	17.66		35.0	
10307-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)	X	4.01	65.07	17.81	6.02	35.0	± 9.6 %
		Y	3.99	65.26	17.66		35.0	
		Z	3.89	65.22	17.49		35.0	
10308-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	X	3.97	65.21	17.93	6.02	35.0	± 9.6 %
		Y	3.96	65.42	17.79		35.0	
		Z	3.86	65.37	17.62		35.0	
10309-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols)	X	4.16	65.22	18.05	6.02	35.0	± 9.6 %
		Y	4.14	65.39	17.90		35.0	
		Z	4.03	65.36	17.74		35.0	
10310-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)	X	4.09	65.15	17.92	6.02	35.0	± 9.6 %
		Y	4.07	65.35	17.79		35.0	
		Z	3.97	65.35	17.65		35.0	
10311-AAC	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	2.92	68.73	16.23	0.00	150.0	± 9.6 %
		Y	2.68	67.45	15.43		150.0	
		Z	2.78	68.38	16.08		150.0	
10313-AAA	iDEN 1:3	X	2.23	70.71	15.35	6.99	70.0	± 9.6 %
		Y	1.69	66.90	13.17		70.0	
		Z	2.30	71.64	15.93		70.0	
10314-AAA	iDEN 1:6	X	4.08	80.89	22.31	10.00	30.0	± 9.6 %
		Y	3.04	75.07	19.42		30.0	
		Z	4.65	83.62	23.48		30.0	
10315-AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	X	1.04	63.55	14.98	0.17	150.0	± 9.6 %
		Y	0.94	62.52	14.02		150.0	
		Z	1.03	63.50	14.81		150.0	
10316-AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	X	4.37	66.68	16.19	0.17	150.0	± 9.6 %
		Y	4.26	66.34	15.95		150.0	
		Z	4.26	66.72	16.11		150.0	
10317-AAC	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	X	4.37	66.68	16.19	0.17	150.0	± 9.6 %
		Y	4.26	66.34	15.95		150.0	
		Z	4.26	66.72	16.11		150.0	
10400-AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	X	4.46	67.02	16.23	0.00	150.0	± 9.6 %
		Y	4.33	66.64	15.97		150.0	
		Z	4.31	66.98	16.13		150.0	
10401-AAD	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	X	5.12	66.82	16.24	0.00	150.0	± 9.6 %
		Y	5.01	66.51	16.06		150.0	
		Z	4.99	66.73	16.17		150.0	

Appendix A: DAE and Probe Calibration Certificate

EX3DV4- SN:7494

February 26, 2018

10402-AAD	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	X	5.47	67.39	16.42	0.00	150.0	± 9.6 %
		Y	5.37	67.08	16.25		150.0	
		Z	5.37	67.35	16.39		150.0	
10403-AAB	CDMA2000 (1xEV-DO, Rev. 0)	X	1.01	65.74	11.23	0.00	115.0	± 9.6 %
		Y	0.67	61.70	8.06		115.0	
		Z	0.69	62.65	8.67		115.0	
10404-AAB	CDMA2000 (1xEV-DO, Rev. A)	X	1.01	65.74	11.23	0.00	115.0	± 9.6 %
		Y	0.67	61.70	8.06		115.0	
		Z	0.69	62.65	8.67		115.0	
10406-AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	X	13.40	94.87	22.42	0.00	100.0	± 9.6 %
		Y	37.24	104.89	24.38		100.0	
		Z	100.00	114.79	25.79		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	2.95	79.35	18.40	3.23	80.0	± 9.6 %
		Y	3.69	82.30	19.32		80.0	
		Z	3.87	84.90	20.56		80.0	
10415-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	X	1.00	63.14	14.62	0.00	150.0	± 9.6 %
		Y	0.91	62.12	13.65		150.0	
		Z	0.99	63.08	14.44		150.0	
10416-AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	X	4.35	66.77	16.19	0.00	150.0	± 9.6 %
		Y	4.23	66.41	15.93		150.0	
		Z	4.24	66.81	16.11		150.0	
10417-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	X	4.35	66.77	16.19	0.00	150.0	± 9.6 %
		Y	4.23	66.41	15.93		150.0	
		Z	4.24	66.81	16.11		150.0	
10418-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preamble)	X	4.35	66.98	16.25	0.00	150.0	± 9.6 %
		Y	4.23	66.61	15.99		150.0	
		Z	4.23	67.03	16.19		150.0	
10419-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preamble)	X	4.36	66.91	16.23	0.00	150.0	± 9.6 %
		Y	4.24	66.55	15.97		150.0	
		Z	4.25	66.96	16.17		150.0	
10422-AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	X	4.47	66.89	16.24	0.00	150.0	± 9.6 %
		Y	4.35	66.53	15.99		150.0	
		Z	4.35	66.92	16.18		150.0	
10423-AAB	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	X	4.59	67.14	16.33	0.00	150.0	± 9.6 %
		Y	4.47	66.78	16.08		150.0	
		Z	4.46	67.16	16.25		150.0	
10424-AAB	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	X	4.52	67.09	16.31	0.00	150.0	± 9.6 %
		Y	4.40	66.73	16.05		150.0	
		Z	4.39	67.09	16.23		150.0	
10425-AAB	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	X	5.15	67.27	16.49	0.00	150.0	± 9.6 %
		Y	5.05	66.98	16.31		150.0	
		Z	5.01	67.17	16.41		150.0	
10426-AAB	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	X	5.17	67.36	16.53	0.00	150.0	± 9.6 %
		Y	5.08	67.12	16.38		150.0	
		Z	5.05	67.33	16.49		150.0	

Appendix A: DAE and Probe Calibration Certificate

EX3DV4- SN:7494

February 26, 2018

10427-AAB	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	X	5.13	67.15	16.42	0.00	150.0	± 9.6 %
		Y	5.03	66.85	16.24		150.0	
		Z	5.01	67.11	16.38		150.0	
10430-AAB	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	X	4.23	72.27	18.34	0.00	150.0	± 9.6 %
		Y	3.99	71.49	17.71		150.0	
		Z	4.17	72.80	18.15		150.0	
10431-AAB	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	X	3.96	67.36	16.06	0.00	150.0	± 9.6 %
		Y	3.81	66.88	15.67		150.0	
		Z	3.81	67.37	15.87		150.0	
10432-AAB	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	X	4.29	67.19	16.23	0.00	150.0	± 9.6 %
		Y	4.15	66.79	15.93		150.0	
		Z	4.15	67.22	16.13		150.0	
10433-AAB	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	X	4.54	67.13	16.33	0.00	150.0	± 9.6 %
		Y	4.42	66.76	16.08		150.0	
		Z	4.41	67.14	16.25		150.0	
10434-AAA	W-CDMA (BS Test Model 1, 64 DPCH)	X	4.34	73.15	18.13	0.00	150.0	± 9.6 %
		Y	3.97	71.83	17.20		150.0	
		Z	4.17	73.19	17.60		150.0	
10435-AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.84	78.74	18.13	3.23	80.0	± 9.6 %
		Y	3.48	81.45	18.98		80.0	
		Z	3.64	83.98	20.20		80.0	
10447-AAB	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	3.20	67.15	14.91	0.00	150.0	± 9.6 %
		Y	2.99	66.28	14.17		150.0	
		Z	2.97	66.77	14.26		150.0	
10448-AAB	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	X	3.83	67.16	15.94	0.00	150.0	± 9.6 %
		Y	3.68	66.67	15.55		150.0	
		Z	3.69	67.18	15.75		150.0	
10449-AAB	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	X	4.13	67.03	16.13	0.00	150.0	± 9.6 %
		Y	4.00	66.61	15.83		150.0	
		Z	4.00	67.05	16.03		150.0	
10450-AAB	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	4.34	66.91	16.19	0.00	150.0	± 9.6 %
		Y	4.22	66.53	15.92		150.0	
		Z	4.23	66.92	16.11		150.0	
10451-AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	X	2.99	66.88	14.14	0.00	150.0	± 9.6 %
		Y	2.74	65.78	13.23		150.0	
		Z	2.69	66.07	13.18		150.0	
10456-AAB	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	X	6.06	67.78	16.63	0.00	150.0	± 9.6 %
		Y	6.00	67.55	16.51		150.0	
		Z	6.07	68.05	16.78		150.0	
10457-AAA	UMTS-FDD (DC-HSDPA)	X	3.71	65.53	15.92	0.00	150.0	± 9.6 %
		Y	3.61	65.20	15.66		150.0	
		Z	3.65	65.68	15.87		150.0	
10458-AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	X	3.70	71.13	16.64	0.00	150.0	± 9.6 %
		Y	3.25	69.16	15.28		150.0	
		Z	3.15	69.17	14.95		150.0	
10459-AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	X	4.84	69.11	17.84	0.00	150.0	± 9.6 %
		Y	4.69	68.77	17.48		150.0	
		Z	4.58	68.84	17.14		150.0	

Appendix A: DAE and Probe Calibration Certificate

EX3DV4- SN:7494

February 26, 2018

10460-AAA	UMTS-FDD (WCDMA, AMR)	X	0.88	68.39	16.07	0.00	150.0	± 9.6 %
		Y	0.70	65.56	13.77		150.0	
		Z	0.84	67.99	15.62		150.0	
10461-AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	1.57	72.49	16.91	3.29	80.0	± 9.6 %
		Y	2.31	77.86	18.85		80.0	
		Z	1.89	76.90	18.97		80.0	
10462-AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	0.65	60.00	7.36	3.23	80.0	± 9.6 %
		Y	0.67	60.00	7.26		80.0	
		Z	0.57	60.00	7.02		80.0	
10463-AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.67	60.00	6.67	3.23	80.0	± 9.6 %
		Y	0.68	60.00	6.58		80.0	
		Z	0.60	60.00	6.22		80.0	
10464-AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	1.23	69.24	14.93	3.23	80.0	± 9.6 %
		Y	1.59	72.66	16.19		80.0	
		Z	1.42	72.83	16.69		80.0	
10465-AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	0.65	60.00	7.28	3.23	80.0	± 9.6 %
		Y	0.67	60.00	7.19		80.0	
		Z	0.57	60.00	6.95		80.0	
10466-AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.67	60.00	6.62	3.23	80.0	± 9.6 %
		Y	0.69	60.00	6.54		80.0	
		Z	0.60	60.00	6.18		80.0	
10467-AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	1.28	69.83	15.22	3.23	80.0	± 9.6 %
		Y	1.71	73.64	16.62		80.0	
		Z	1.51	73.74	17.10		80.0	
10468-AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	0.65	60.00	7.31	3.23	80.0	± 9.6 %
		Y	0.66	60.00	7.22		80.0	
		Z	0.57	60.00	6.98		80.0	
10469-AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.67	60.00	6.62	3.23	80.0	± 9.6 %
		Y	0.68	60.00	6.54		80.0	
		Z	0.60	60.00	6.18		80.0	
10470-AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	1.27	69.83	15.21	3.23	80.0	± 9.6 %
		Y	1.71	73.66	16.62		80.0	
		Z	1.50	73.77	17.11		80.0	
10471-AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	0.65	60.00	7.29	3.23	80.0	± 9.6 %
		Y	0.66	60.00	7.20		80.0	
		Z	0.57	60.00	6.96		80.0	
10472-AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.67	60.00	6.60	3.23	80.0	± 9.6 %
		Y	0.68	60.00	6.52		80.0	
		Z	0.31	55.91	4.03		80.0	
10473-AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	1.27	69.80	15.19	3.23	80.0	± 9.6 %
		Y	1.70	73.59	16.59		80.0	
		Z	1.50	73.71	17.08		80.0	
10474-AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	0.65	60.00	7.29	3.23	80.0	± 9.6 %
		Y	0.66	60.00	7.20		80.0	
		Z	0.57	60.00	6.96		80.0	
10475-AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.67	60.00	6.60	3.23	80.0	± 9.6 %
		Y	0.68	60.00	6.52		80.0	
		Z	0.31	55.90	4.03		80.0	

Appendix A: DAE and Probe Calibration Certificate

EX3DV4-- SN:7494

February 26, 2018

10477-AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	0.65	60.00	7.26	3.23	80.0	± 9.6 %
		Y	0.66	60.00	7.17		80.0	
		Z	0.57	60.00	6.93		80.0	
10478-AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.67	60.00	6.59	3.23	80.0	± 9.6 %
		Y	0.68	60.00	6.51		80.0	
		Z	0.31	55.89	4.01		80.0	
10479-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.24	76.16	18.67	3.23	80.0	± 9.6 %
		Y	4.42	80.82	20.23		80.0	
		Z	4.39	82.21	20.82		80.0	
10480-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.03	66.76	12.73	3.23	80.0	± 9.6 %
		Y	2.05	66.92	12.60		80.0	
		Z	1.85	67.01	12.43		80.0	
10481-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.62	63.96	11.04	3.23	80.0	± 9.6 %
		Y	1.57	63.66	10.70		80.0	
		Z	1.32	63.18	10.24		80.0	
10482-AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	1.53	65.20	12.69	2.23	80.0	± 9.6 %
		Y	1.10	61.56	10.21		80.0	
		Z	1.14	62.42	10.54		80.0	
10483-AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.45	61.38	9.71	2.23	80.0	± 9.6 %
		Y	1.32	60.52	8.97		80.0	
		Z	1.16	60.00	8.17		80.0	
10484-AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.44	61.07	9.53	2.23	80.0	± 9.6 %
		Y	1.32	60.25	8.82		80.0	
		Z	1.19	60.00	8.15		80.0	
10485-AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.16	69.31	16.02	2.23	80.0	± 9.6 %
		Y	1.69	66.06	14.04		80.0	
		Z	1.93	68.38	15.12		80.0	
10486-AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.10	65.45	13.37	2.23	80.0	± 9.6 %
		Y	1.71	62.92	11.64		80.0	
		Z	1.73	63.60	11.80		80.0	
10487-AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.11	65.08	13.16	2.23	80.0	± 9.6 %
		Y	1.73	62.69	11.49		80.0	
		Z	1.73	63.23	11.57		80.0	
10488-AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.58	69.55	17.35	2.23	80.0	± 9.6 %
		Y	2.27	67.73	16.25		80.0	
		Z	2.45	69.44	17.18		80.0	
10489-AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.75	67.17	16.06	2.23	80.0	± 9.6 %
		Y	2.49	65.86	15.18		80.0	
		Z	2.63	67.13	15.78		80.0	
10490-AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.83	67.06	16.01	2.23	80.0	± 9.6 %
		Y	2.57	65.81	15.15		80.0	
		Z	2.69	66.99	15.69		80.0	
10491-AAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.92	68.61	17.17	2.23	80.0	± 9.6 %
		Y	2.65	67.28	16.37		80.0	
		Z	2.77	68.48	17.08		80.0	
10492-AAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.13	66.69	16.33	2.23	80.0	± 9.6 %
		Y	2.92	65.77	15.72		80.0	
		Z	3.01	66.69	16.19		80.0	

Appendix A: DAE and Probe Calibration Certificate

EX3DV4- SN:7494

February 26, 2018

10493-AAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.19	66.60	16.28	2.23	80.0	± 9.6 %
		Y	2.99	65.70	15.69		80.0	
		Z	3.07	66.59	16.12		80.0	
10494-AAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.09	69.75	17.58	2.23	80.0	± 9.6 %
		Y	2.78	68.23	16.72		80.0	
		Z	2.93	69.54	17.51		80.0	
10495-AAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.15	66.91	16.53	2.23	80.0	± 9.6 %
		Y	2.94	65.97	15.94		80.0	
		Z	3.03	66.87	16.43		80.0	
10496-AAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.24	66.76	16.49	2.23	80.0	± 9.6 %
		Y	3.04	65.88	15.93		80.0	
		Z	3.12	66.74	16.39		80.0	
10497-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	0.93	60.00	8.57	2.23	80.0	± 9.6 %
		Y	0.90	60.00	7.78		80.0	
		Z	0.86	60.00	7.53		80.0	
10498-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.10	60.00	7.25	2.23	80.0	± 9.6 %
		Y	1.08	60.00	6.57		80.0	
		Z	1.05	60.00	6.14		80.0	
10499-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.12	60.00	7.08	2.23	80.0	± 9.6 %
		Y	1.11	60.00	6.40		80.0	
		Z	1.08	60.00	5.96		80.0	
10500-AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.33	69.42	16.57	2.23	80.0	± 9.6 %
		Y	1.93	66.88	15.00		80.0	
		Z	2.16	69.02	16.03		80.0	
10501-AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.42	66.55	14.60	2.23	80.0	± 9.6 %
		Y	2.06	64.46	13.19		80.0	
		Z	2.16	65.57	13.59		80.0	
10502-AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.46	66.38	14.43	2.23	80.0	± 9.6 %
		Y	2.09	64.32	13.03		80.0	
		Z	2.17	65.33	13.38		80.0	
10503-AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.55	69.37	17.25	2.23	80.0	± 9.6 %
		Y	2.24	67.56	16.15		80.0	
		Z	2.42	69.25	17.08		80.0	
10504-AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.73	67.07	16.00	2.23	80.0	± 9.6 %
		Y	2.48	65.76	15.11		80.0	
		Z	2.61	67.02	15.71		80.0	
10505-AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.82	66.97	15.95	2.23	80.0	± 9.6 %
		Y	2.56	65.72	15.09		80.0	
		Z	2.68	66.89	15.62		80.0	
10506-AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.07	69.63	17.51	2.23	80.0	± 9.6 %
		Y	2.76	68.11	16.65		80.0	
		Z	2.91	69.41	17.44		80.0	
10507-AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.14	66.85	16.49	2.23	80.0	± 9.6 %
		Y	2.93	65.91	15.90		80.0	
		Z	3.02	66.81	16.39		80.0	

Appendix A: DAE and Probe Calibration Certificate

EX3DV4- SN:7494

February 26, 2018

10508-AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.23	66.69	16.44	2.23	80.0	± 9.6 %
		Y	3.03	65.82	15.89		80.0	
		Z	3.11	66.67	16.35		80.0	
10509-AAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.52	68.96	17.25	2.23	80.0	± 9.6 %
		Y	3.24	67.75	16.57		80.0	
		Z	3.37	68.79	17.22		80.0	
10510-AAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.62	66.72	16.61	2.23	80.0	± 9.6 %
		Y	3.43	65.94	16.15		80.0	
		Z	3.50	66.61	16.55		80.0	
10511-AAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.70	66.58	16.58	2.23	80.0	± 9.6 %
		Y	3.51	65.85	16.14		80.0	
		Z	3.58	66.51	16.52		80.0	
10512-AAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.56	70.02	17.57	2.23	80.0	± 9.6 %
		Y	3.23	68.54	16.78		80.0	
		Z	3.39	69.70	17.50		80.0	
10513-AAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.50	66.80	16.66	2.23	80.0	± 9.6 %
		Y	3.31	65.98	16.18		80.0	
		Z	3.39	66.65	16.59		80.0	
10514-AAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.56	66.53	16.58	2.23	80.0	± 9.6 %
		Y	3.38	65.75	16.13		80.0	
		Z	3.45	66.40	16.52		80.0	
10515-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	X	0.96	63.31	14.68	0.00	150.0	± 9.6 %
		Y	0.87	62.23	13.64		150.0	
		Z	0.95	63.24	14.49		150.0	
10516-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	X	0.59	70.32	17.28	0.00	150.0	± 9.6 %
		Y	0.43	66.45	13.92		150.0	
		Z	0.56	69.40	16.67		150.0	
10517-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	X	0.81	65.09	15.27	0.00	150.0	± 9.6 %
		Y	0.69	63.42	13.73		150.0	
		Z	0.79	64.83	14.98		150.0	
10518-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	X	4.34	66.88	16.18	0.00	150.0	± 9.6 %
		Y	4.22	66.51	15.92		150.0	
		Z	4.23	66.93	16.12		150.0	
10519-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	X	4.48	67.04	16.27	0.00	150.0	± 9.6 %
		Y	4.36	66.68	16.01		150.0	
		Z	4.35	67.07	16.19		150.0	
10520-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	X	4.34	66.97	16.18	0.00	150.0	± 9.6 %
		Y	4.22	66.59	15.92		150.0	
		Z	4.22	66.99	16.11		150.0	
10521-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	X	4.28	66.94	16.16	0.00	150.0	± 9.6 %
		Y	4.15	66.54	15.89		150.0	
		Z	4.15	66.93	16.07		150.0	
10522-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	X	4.32	67.05	16.25	0.00	150.0	± 9.6 %
		Y	4.19	66.65	15.97		150.0	
		Z	4.18	66.98	16.13		150.0	

Certificate No: EX3-7494\_Feb18

Page 30 of 39

Appendix A: DAE and Probe Calibration Certificate

EX3DV4- SN:7494

February 26, 2018

10523-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	X	4.26	67.08	16.19	0.00	150.0	± 9.6 %
		Y	4.13	66.69	15.91		150.0	
		Z	4.15	67.15	16.14		150.0	
10524-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	X	4.28	67.03	16.25	0.00	150.0	± 9.6 %
		Y	4.15	66.64	15.98		150.0	
		Z	4.14	67.03	16.17		150.0	
10525-AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	X	4.31	66.15	15.88	0.00	150.0	± 9.6 %
		Y	4.19	65.75	15.61		150.0	
		Z	4.20	66.20	15.83		150.0	
10526-AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)	X	4.43	66.41	15.99	0.00	150.0	± 9.6 %
		Y	4.30	66.01	15.72		150.0	
		Z	4.30	66.42	15.92		150.0	
10527-AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	X	4.36	66.39	15.93	0.00	150.0	± 9.6 %
		Y	4.23	65.97	15.65		150.0	
		Z	4.24	66.40	15.86		150.0	
10528-AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	X	4.38	66.40	15.96	0.00	150.0	± 9.6 %
		Y	4.25	65.99	15.69		150.0	
		Z	4.25	66.41	15.89		150.0	
10529-AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	X	4.38	66.40	15.96	0.00	150.0	± 9.6 %
		Y	4.25	65.99	15.69		150.0	
		Z	4.25	66.41	15.89		150.0	
10531-AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)	X	4.34	66.42	15.94	0.00	150.0	± 9.6 %
		Y	4.21	65.99	15.65		150.0	
		Z	4.20	66.38	15.85		150.0	
10532-AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	X	4.23	66.28	15.87	0.00	150.0	± 9.6 %
		Y	4.09	65.84	15.58		150.0	
		Z	4.10	66.26	15.79		150.0	
10533-AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)	X	4.38	66.48	15.97	0.00	150.0	± 9.6 %
		Y	4.25	66.07	15.69		150.0	
		Z	4.25	66.50	15.90		150.0	
10534-AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	X	4.94	66.38	16.03	0.00	150.0	± 9.6 %
		Y	4.83	66.04	15.82		150.0	
		Z	4.83	66.34	15.98		150.0	
10535-AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	X	4.98	66.50	16.09	0.00	150.0	± 9.6 %
		Y	4.87	66.15	15.88		150.0	
		Z	4.85	66.43	16.03		150.0	
10536-AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	X	4.87	66.51	16.07	0.00	150.0	± 9.6 %
		Y	4.76	66.13	15.84		150.0	
		Z	4.75	66.43	16.01		150.0	
10537-AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	X	4.94	66.51	16.07	0.00	150.0	± 9.6 %
		Y	4.83	66.19	15.88		150.0	
		Z	4.83	66.50	16.04		150.0	
10538-AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	X	5.00	66.46	16.08	0.00	150.0	± 9.6 %
		Y	4.89	66.12	15.88		150.0	
		Z	4.87	66.39	16.02		150.0	
10540-AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	X	4.93	66.42	16.08	0.00	150.0	± 9.6 %
		Y	4.82	66.06	15.87		150.0	
		Z	4.81	66.35	16.02		150.0	

Appendix A: DAE and Probe Calibration Certificate

EX3DV4- SN:7494

February 26, 2018

10541-AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)	X	4.92	66.35	16.03	0.00	150.0	± 9.6 %
		Y	4.81	65.99	15.82		150.0	
		Z	4.81	66.31	15.98		150.0	
10542-AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	X	5.07	66.45	16.09	0.00	150.0	± 9.6 %
		Y	4.96	66.11	15.90		150.0	
		Z	4.95	66.40	16.04		150.0	
10543-AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	X	5.15	66.53	16.16	0.00	150.0	± 9.6 %
		Y	5.05	66.25	16.00		150.0	
		Z	5.03	66.51	16.13		150.0	
10544-AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	X	5.29	66.46	16.02	0.00	150.0	± 9.6 %
		Y	5.19	66.11	15.83		150.0	
		Z	5.19	66.38	15.97		150.0	
10545-AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)	X	5.46	66.89	16.19	0.00	150.0	± 9.6 %
		Y	5.37	66.61	16.04		150.0	
		Z	5.35	66.81	16.15		150.0	
10546-AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	X	5.32	66.57	16.05	0.00	150.0	± 9.6 %
		Y	5.22	66.23	15.86		150.0	
		Z	5.22	66.48	15.99		150.0	
10547-AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	X	5.40	66.70	16.10	0.00	150.0	± 9.6 %
		Y	5.32	66.42	15.95		150.0	
		Z	5.33	66.71	16.11		150.0	
10548-AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	X	5.53	67.27	16.37	0.00	150.0	± 9.6 %
		Y	5.44	66.98	16.21		150.0	
		Z	5.38	67.07	16.27		150.0	
10550-AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	X	5.38	66.78	16.16	0.00	150.0	± 9.6 %
		Y	5.31	66.53	16.02		150.0	
		Z	5.31	66.81	16.17		150.0	
10551-AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	X	5.31	66.54	16.01	0.00	150.0	± 9.6 %
		Y	5.20	66.17	15.81		150.0	
		Z	5.19	66.41	15.94		150.0	
10552-AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	X	5.30	66.58	16.03	0.00	150.0	± 9.6 %
		Y	5.19	66.23	15.83		150.0	
		Z	5.20	66.53	15.99		150.0	
10553-AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	X	5.35	66.52	16.03	0.00	150.0	± 9.6 %
		Y	5.24	66.17	15.83		150.0	
		Z	5.24	66.44	15.97		150.0	
10554-AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	X	5.71	66.79	16.10	0.00	150.0	± 9.6 %
		Y	5.62	66.47	15.93		150.0	
		Z	5.63	66.70	16.05		150.0	
10555-AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	X	5.80	67.00	16.19	0.00	150.0	± 9.6 %
		Y	5.71	66.69	16.02		150.0	
		Z	5.70	66.87	16.12		150.0	
10556-AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)	X	5.84	67.12	16.24	0.00	150.0	± 9.6 %
		Y	5.76	66.85	16.09		150.0	
		Z	5.75	67.04	16.20		150.0	
10557-AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	X	5.79	66.99	16.19	0.00	150.0	± 9.6 %
		Y	5.70	66.66	16.02		150.0	
		Z	5.70	66.88	16.14		150.0	

Appendix A: DAE and Probe Calibration Certificate

EX3DV4- SN:7494

February 26, 2018

10558-AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	X	5.80	67.03	16.23	0.00	150.0	± 9.6 %
		Y	5.69	66.67	16.04		150.0	
		Z	5.67	66.84	16.13		150.0	
10560-AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	X	5.82	66.97	16.24	0.00	150.0	± 9.6 %
		Y	5.72	66.63	16.06		150.0	
		Z	5.71	66.83	16.16		150.0	
10561-AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	X	5.76	66.95	16.26	0.00	150.0	± 9.6 %
		Y	5.66	66.63	16.09		150.0	
		Z	5.65	66.81	16.18		150.0	
10562-AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	X	5.80	67.11	16.34	0.00	150.0	± 9.6 %
		Y	5.70	66.75	16.15		150.0	
		Z	5.68	66.93	16.24		150.0	
10563-AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	X	5.91	67.11	16.30	0.00	150.0	± 9.6 %
		Y	5.83	66.82	16.15		150.0	
		Z	5.80	66.98	16.24		150.0	
10564-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)	X	4.65	66.88	16.30	0.46	150.0	± 9.6 %
		Y	4.54	66.54	16.07		150.0	
		Z	4.53	66.91	16.24		150.0	
10565-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)	X	4.85	67.29	16.62	0.46	150.0	± 9.6 %
		Y	4.73	66.97	16.40		150.0	
		Z	4.71	67.32	16.56		150.0	
10566-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)	X	4.68	67.10	16.42	0.46	150.0	± 9.6 %
		Y	4.56	66.75	16.18		150.0	
		Z	4.55	67.11	16.35		150.0	
10567-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)	X	4.72	67.51	16.80	0.46	150.0	± 9.6 %
		Y	4.60	67.16	16.57		150.0	
		Z	4.59	67.52	16.75		150.0	
10568-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle)	X	4.57	66.80	16.14	0.46	150.0	± 9.6 %
		Y	4.45	66.43	15.88		150.0	
		Z	4.42	66.71	16.01		150.0	
10569-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	X	4.71	67.75	16.95	0.46	150.0	± 9.6 %
		Y	4.59	67.42	16.73		150.0	
		Z	4.60	67.83	16.93		150.0	
10570-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle)	X	4.71	67.51	16.83	0.46	150.0	± 9.6 %
		Y	4.59	67.18	16.60		150.0	
		Z	4.57	67.54	16.78		150.0	
10571-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	X	1.08	63.64	15.05	0.46	130.0	± 9.6 %
		Y	0.98	62.63	14.12		130.0	
		Z	1.06	63.58	14.89		130.0	
10572-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	X	1.08	64.13	15.38	0.46	130.0	± 9.6 %
		Y	0.98	63.05	14.41		130.0	
		Z	1.07	64.06	15.22		130.0	
10573-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	X	1.08	77.41	20.56	0.46	130.0	± 9.6 %
		Y	0.73	71.46	16.79		130.0	
		Z	0.99	75.97	19.89		130.0	
10574-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	X	1.10	68.88	18.01	0.46	130.0	± 9.6 %
		Y	0.95	66.93	16.52		130.0	
		Z	1.07	68.54	17.74		130.0	

Appendix A: DAE and Probe Calibration Certificate

EX3DV4- SN:7494

February 26, 2018

10575-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	X	4.42	66.59	16.28	0.46	130.0	± 9.6 %
		Y	4.31	66.26	16.05		130.0	
		Z	4.30	66.63	16.21		130.0	
10576-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	X	4.45	66.80	16.37	0.46	130.0	± 9.6 %
		Y	4.34	66.48	16.14		130.0	
		Z	4.33	66.87	16.32		130.0	
10577-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	X	4.61	67.03	16.52	0.46	130.0	± 9.6 %
		Y	4.49	66.71	16.29		130.0	
		Z	4.48	67.07	16.45		130.0	
10578-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	X	4.51	67.18	16.63	0.46	130.0	± 9.6 %
		Y	4.40	66.85	16.40		130.0	
		Z	4.39	67.23	16.57		130.0	
10579-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	X	4.26	66.33	15.85	0.46	130.0	± 9.6 %
		Y	4.14	65.96	15.59		130.0	
		Z	4.13	66.29	15.75		130.0	
10580-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	X	4.29	66.37	15.87	0.46	130.0	± 9.6 %
		Y	4.17	66.01	15.60		130.0	
		Z	4.14	66.28	15.72		130.0	
10581-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	X	4.43	67.26	16.60	0.46	130.0	± 9.6 %
		Y	4.31	66.92	16.36		130.0	
		Z	4.31	67.34	16.57		130.0	
10582-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	X	4.19	66.09	15.63	0.46	130.0	± 9.6 %
		Y	4.07	65.73	15.36		130.0	
		Z	4.05	66.04	15.51		130.0	
10583-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	X	4.42	66.59	16.28	0.46	130.0	± 9.6 %
		Y	4.31	66.26	16.05		130.0	
		Z	4.30	66.63	16.21		130.0	
10584-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	X	4.45	66.80	16.37	0.46	130.0	± 9.6 %
		Y	4.34	66.48	16.14		130.0	
		Z	4.33	66.87	16.32		130.0	
10585-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	X	4.61	67.03	16.52	0.46	130.0	± 9.6 %
		Y	4.49	66.71	16.29		130.0	
		Z	4.48	67.07	16.45		130.0	
10586-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	X	4.51	67.18	16.63	0.46	130.0	± 9.6 %
		Y	4.40	66.85	16.40		130.0	
		Z	4.39	67.23	16.57		130.0	
10587-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	X	4.26	66.33	15.85	0.46	130.0	± 9.6 %
		Y	4.14	65.96	15.59		130.0	
		Z	4.13	66.29	15.75		130.0	
10588-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	X	4.29	66.37	15.87	0.46	130.0	± 9.6 %
		Y	4.17	66.01	15.60		130.0	
		Z	4.14	66.28	15.72		130.0	
10589-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	X	4.43	67.26	16.60	0.46	130.0	± 9.6 %
		Y	4.31	66.92	16.36		130.0	
		Z	4.31	67.34	16.57		130.0	
10590-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	X	4.19	66.09	15.63	0.46	130.0	± 9.6 %
		Y	4.07	65.73	15.36		130.0	
		Z	4.05	66.04	15.51		130.0	

Appendix A: DAE and Probe Calibration Certificate

EX3DV4- SN:7494

February 26, 2018

10591-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	X	4.58	66.69	16.41	0.46	130.0	± 9.6 %
		Y	4.47	66.39	16.20		130.0	
		Z	4.47	66.76	16.36		130.0	
10592-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	X	4.69	66.97	16.53	0.46	130.0	± 9.6 %
		Y	4.58	66.66	16.32		130.0	
		Z	4.56	67.00	16.47		130.0	
10593-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	X	4.61	66.84	16.38	0.46	130.0	± 9.6 %
		Y	4.49	66.52	16.16		130.0	
		Z	4.48	66.87	16.32		130.0	
10594-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	X	4.66	67.02	16.56	0.46	130.0	± 9.6 %
		Y	4.55	66.71	16.34		130.0	
		Z	4.54	67.06	16.50		130.0	
10595-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	X	4.63	67.00	16.46	0.46	130.0	± 9.6 %
		Y	4.51	66.68	16.25		130.0	
		Z	4.50	67.04	16.41		130.0	
10596-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle)	X	4.56	66.95	16.45	0.46	130.0	± 9.6 %
		Y	4.44	66.62	16.22		130.0	
		Z	4.42	66.95	16.38		130.0	
10597-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle)	X	4.51	66.82	16.30	0.46	130.0	± 9.6 %
		Y	4.39	66.48	16.06		130.0	
		Z	4.38	66.82	16.22		130.0	
10598-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	X	4.51	67.06	16.58	0.46	130.0	± 9.6 %
		Y	4.39	66.73	16.35		130.0	
		Z	4.39	67.10	16.52		130.0	
10599-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	X	5.26	67.16	16.67	0.46	130.0	± 9.6 %
		Y	5.19	66.95	16.55		130.0	
		Z	5.18	67.23	16.69		130.0	
10600-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	X	5.35	67.49	16.81	0.46	130.0	± 9.6 %
		Y	5.29	67.35	16.72		130.0	
		Z	5.23	67.44	16.76		130.0	
10601-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	X	5.26	67.29	16.73	0.46	130.0	± 9.6 %
		Y	5.19	67.12	16.62		130.0	
		Z	5.20	67.45	16.79		130.0	
10602-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	X	5.35	67.29	16.64	0.46	130.0	± 9.6 %
		Y	5.27	67.10	16.53		130.0	
		Z	5.22	67.23	16.59		130.0	
10603-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)	X	5.42	67.60	16.94	0.46	130.0	± 9.6 %
		Y	5.33	67.37	16.81		130.0	
		Z	5.26	67.44	16.84		130.0	
10604-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)	X	5.29	67.20	16.71	0.46	130.0	± 9.6 %
		Y	5.19	66.89	16.54		130.0	
		Z	5.14	67.01	16.59		130.0	
10605-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)	X	5.34	67.34	16.78	0.46	130.0	± 9.6 %
		Y	5.26	67.13	16.66		130.0	
		Z	5.20	67.25	16.72		130.0	
10606-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)	X	5.14	66.81	16.37	0.46	130.0	± 9.6 %
		Y	5.06	66.62	16.25		130.0	
		Z	5.05	66.87	16.38		130.0	

Appendix A: DAE and Probe Calibration Certificate

EX3DV4- SN:7494

February 26, 2018

10607-AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	X	4.43	66.05	16.06	0.46	130.0	± 9.6 %
		Y	4.31	65.70	15.83		130.0	
		Z	4.32	66.12	16.02		130.0	
10608-AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	X	4.56	66.36	16.20	0.46	130.0	± 9.6 %
		Y	4.44	66.01	15.97		130.0	
		Z	4.43	66.38	16.15		130.0	
10609-AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	X	4.46	66.19	16.02	0.46	130.0	± 9.6 %
		Y	4.34	65.83	15.77		130.0	
		Z	4.33	66.21	15.96		130.0	
10610-AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	X	4.51	66.37	16.19	0.46	130.0	± 9.6 %
		Y	4.39	66.01	15.96		130.0	
		Z	4.38	66.40	16.14		130.0	
10611-AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	X	4.42	66.15	16.03	0.46	130.0	± 9.6 %
		Y	4.30	65.79	15.79		130.0	
		Z	4.29	66.16	15.97		130.0	
10612-AAB	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	X	4.41	66.27	16.06	0.46	130.0	± 9.6 %
		Y	4.28	65.89	15.81		130.0	
		Z	4.26	66.23	15.98		130.0	
10613-AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	X	4.40	66.08	15.90	0.46	130.0	± 9.6 %
		Y	4.28	65.70	15.65		130.0	
		Z	4.26	66.05	15.81		130.0	
10614-AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	X	4.38	66.33	16.17	0.46	130.0	± 9.6 %
		Y	4.25	65.95	15.92		130.0	
		Z	4.25	66.33	16.10		130.0	
10615-AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	X	4.41	65.98	15.79	0.46	130.0	± 9.6 %
		Y	4.29	65.61	15.54		130.0	
		Z	4.27	65.99	15.72		130.0	
10616-AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	X	5.07	66.34	16.25	0.46	130.0	± 9.6 %
		Y	4.97	66.04	16.07		130.0	
		Z	4.96	66.31	16.21		130.0	
10617-AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	X	5.10	66.45	16.28	0.46	130.0	± 9.6 %
		Y	5.00	66.15	16.11		130.0	
		Z	4.98	66.39	16.23		130.0	
10618-AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	X	5.02	66.53	16.33	0.46	130.0	± 9.6 %
		Y	4.91	66.19	16.14		130.0	
		Z	4.89	66.45	16.27		130.0	
10619-AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	X	5.04	66.36	16.18	0.46	130.0	± 9.6 %
		Y	4.96	66.11	16.03		130.0	
		Z	4.94	66.38	16.17		130.0	
10620-AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	X	5.11	66.35	16.22	0.46	130.0	± 9.6 %
		Y	5.01	66.06	16.05		130.0	
		Z	4.98	66.26	16.16		130.0	
10621-AAB	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	X	5.12	66.47	16.41	0.46	130.0	± 9.6 %
		Y	5.02	66.16	16.23		130.0	
		Z	5.00	66.43	16.37		130.0	
10622-AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	X	5.10	66.55	16.44	0.46	130.0	± 9.6 %
		Y	5.00	66.25	16.27		130.0	
		Z	4.99	66.50	16.40		130.0	

Appendix A: DAE and Probe Calibration Certificate

EX3DV4- SN:7494

February 26, 2018

10623-AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	X	5.00	66.11	16.08	0.46	130.0	± 9.6 %
		Y	4.90	65.81	15.90		130.0	
		Z	4.89	66.10	16.05		130.0	
10624-AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	X	5.19	66.37	16.28	0.46	130.0	± 9.6 %
		Y	5.10	66.09	16.12		130.0	
		Z	5.07	66.34	16.24		130.0	
10625-AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	X	5.27	66.50	16.40	0.46	130.0	± 9.6 %
		Y	5.19	66.27	16.28		130.0	
		Z	5.16	66.52	16.40		130.0	
10626-AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	X	5.40	66.37	16.20	0.46	130.0	± 9.6 %
		Y	5.31	66.07	16.04		130.0	
		Z	5.31	66.31	16.17		130.0	
10627-AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	X	5.62	66.96	16.47	0.46	130.0	± 9.6 %
		Y	5.56	66.76	16.37		130.0	
		Z	5.52	66.91	16.44		130.0	
10628-AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	X	5.39	66.34	16.09	0.46	130.0	± 9.6 %
		Y	5.30	66.04	15.92		130.0	
		Z	5.29	66.26	16.04		130.0	
10629-AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	X	5.50	66.54	16.19	0.46	130.0	± 9.6 %
		Y	5.44	66.36	16.08		130.0	
		Z	5.44	66.63	16.23		130.0	
10630-AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	X	5.71	67.39	16.62	0.46	130.0	± 9.6 %
		Y	5.64	67.17	16.50		130.0	
		Z	5.54	67.11	16.48		130.0	
10631-AAB	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	X	5.70	67.46	16.84	0.46	130.0	± 9.6 %
		Y	5.61	67.18	16.70		130.0	
		Z	5.56	67.29	16.76		130.0	
10632-AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	X	5.63	67.17	16.72	0.46	130.0	± 9.6 %
		Y	5.58	67.02	16.64		130.0	
		Z	5.57	67.27	16.77		130.0	
10633-AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	X	5.42	66.43	16.17	0.46	130.0	± 9.6 %
		Y	5.32	66.10	15.99		130.0	
		Z	5.30	66.32	16.11		130.0	
10634-AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	X	5.45	66.63	16.32	0.46	130.0	± 9.6 %
		Y	5.35	66.31	16.16		130.0	
		Z	5.35	66.57	16.29		130.0	
10635-AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	X	5.30	65.85	15.65	0.46	130.0	± 9.6 %
		Y	5.21	65.54	15.48		130.0	
		Z	5.19	65.76	15.60		130.0	
10636-AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	X	5.84	66.72	16.29	0.46	130.0	± 9.6 %
		Y	5.76	66.45	16.15		130.0	
		Z	5.76	66.66	16.26		130.0	
10637-AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	X	5.95	67.01	16.43	0.46	130.0	± 9.6 %
		Y	5.88	66.76	16.30		130.0	
		Z	5.85	66.89	16.37		130.0	
10638-AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	X	5.98	67.09	16.44	0.46	130.0	± 9.6 %
		Y	5.91	66.84	16.31		130.0	
		Z	5.91	67.08	16.44		130.0	

Appendix A: DAE and Probe Calibration Certificate

EX3DV4- SN:7494

February 26, 2018

10639-AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	X	5.93	66.96	16.42	0.46	130.0	± 9.6 %
		Y	5.85	66.68	16.27		130.0	
		Z	5.84	66.87	16.37		130.0	
10640-AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	X	5.89	66.83	16.30	0.46	130.0	± 9.6 %
		Y	5.79	66.50	16.13		130.0	
		Z	5.76	66.65	16.20		130.0	
10641-AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	X	5.99	66.93	16.36	0.46	130.0	± 9.6 %
		Y	5.93	66.70	16.25		130.0	
		Z	5.89	66.83	16.32		130.0	
10642-AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	X	6.01	67.13	16.63	0.46	130.0	± 9.6 %
		Y	5.93	66.84	16.49		130.0	
		Z	5.91	67.00	16.57		130.0	
10643-AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	X	5.86	66.81	16.36	0.46	130.0	± 9.6 %
		Y	5.78	66.52	16.22		130.0	
		Z	5.75	66.66	16.29		130.0	
10644-AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	X	5.91	66.99	16.47	0.46	130.0	± 9.6 %
		Y	5.82	66.67	16.31		130.0	
		Z	5.80	66.82	16.38		130.0	
10645-AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	X	6.04	67.04	16.47	0.46	130.0	± 9.6 %
		Y	5.97	66.82	16.36		130.0	
		Z	5.92	66.90	16.40		130.0	
10646-AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	X	5.85	87.94	30.48	9.30	60.0	± 9.6 %
		Y	5.37	85.81	29.63		60.0	
		Z	4.49	83.14	29.09		60.0	
10647-AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	X	5.17	85.51	29.66	9.30	60.0	± 9.6 %
		Y	4.78	83.60	28.89		60.0	
		Z	4.02	80.87	28.26		60.0	
10648-AAA	CDMA2000 (1x Advanced)	X	0.51	61.76	8.43	0.00	150.0	± 9.6 %
		Y	0.38	60.00	6.13		150.0	
		Z	0.38	60.10	6.48		150.0	
10652-AAB	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	3.13	65.98	15.78	2.23	80.0	± 9.6 %
		Y	2.93	65.12	15.15		80.0	
		Z	3.02	66.07	15.57		80.0	
10653-AAB	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	X	3.69	65.40	16.13	2.23	80.0	± 9.6 %
		Y	3.54	64.83	15.74		80.0	
		Z	3.60	65.47	16.04		80.0	
10654-AAB	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	X	3.72	65.03	16.17	2.23	80.0	± 9.6 %
		Y	3.58	64.50	15.83		80.0	
		Z	3.65	65.07	16.11		80.0	
10655-AAB	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	3.80	64.95	16.21	2.23	80.0	± 9.6 %
		Y	3.67	64.43	15.88		80.0	
		Z	3.74	64.95	16.16		80.0	
10658-AAA	Pulse Waveform (200Hz, 10%)	X	4.43	71.88	12.89	10.00	50.0	± 9.6 %
		Y	2.96	67.08	10.79		50.0	
		Z	4.92	73.02	13.29		50.0	
10659-AAA	Pulse Waveform (200Hz, 20%)	X	21.85	87.99	16.66	6.99	60.0	± 9.6 %
		Y	1.49	64.48	8.54		60.0	
		Z	100.00	101.11	19.71		60.0	

Appendix A: DAE and Probe Calibration Certificate

EX3DV4– SN:7494

February 26, 2018

10660-AAA	Pulse Waveform (200Hz, 40%)	X	100.00	100.24	18.17	3.98	80.0	± 9.6 %
		Y	0.44	60.00	5.03		80.0	
		Z	100.00	101.16	18.48		80.0	
10661-AAA	Pulse Waveform (200Hz, 60%)	X	100.00	101.13	17.57	2.22	100.0	± 9.6 %
		Y	0.24	60.00	3.65		100.0	
		Z	100.00	102.26	17.94		100.0	
10662-AAA	Pulse Waveform (200Hz, 80%)	X	100.00	99.08	15.66	0.97	120.0	± 9.6 %
		Y	3.24	108.92	7.51		120.0	
		Z	100.00	98.42	15.34		120.0	

<sup>F</sup> Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.