

ES3DV3- SN:3335

July 26, 2018

10081-CAB	CDMA2000 (1xRTT, RC3)	X	0.87	65.42	12.69	0.00	150.0	± 9.6 %
		Y	0.92	67.28	13.42		150.0	
		Z	0.72	64.00	11.01		150.0	
10082-CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	X	2.45	64.58	9.62	4.77	80.0	± 9.6 %
		Y	1.95	63.35	8.27		80.0	
		Z	1.78	62.53	7.60		80.0	
10090-DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	X	34.04	103.41	27.54	6.56	60.0	± 9.6 %
		Y	100.00	117.70	30.00		60.0	
		Z	100.00	116.43	29.25		60.0	
10097-CAB	UMTS-FDD (HSDPA)	X	1.78	66.78	15.22	0.00	150.0	± 9.6 %
		Y	1.86	68.12	15.94		150.0	
		Z	1.71	66.61	14.83		150.0	
10098-CAB	UMTS-FDD (HSUPA, Subtest 2)	X	1.74	66.72	15.17	0.00	150.0	± 9.6 %
		Y	1.82	68.10	15.91		150.0	
		Z	1.67	66.56	14.79		150.0	
10099-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	X	14.93	94.01	31.86	9.56	60.0	± 9.6 %
		Y	24.04	109.03	37.58		60.0	
		Z	19.46	103.72	35.62		60.0	
10100-CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	3.18	70.09	16.29	0.00	150.0	± 9.6 %
		Y	3.26	71.07	16.92		150.0	
		Z	2.98	69.50	16.02		150.0	
10101-CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	3.33	67.56	15.77	0.00	150.0	± 9.6 %
		Y	3.32	67.99	16.09		150.0	
		Z	3.18	67.22	15.56		150.0	
10102-CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	3.44	67.51	15.87	0.00	150.0	± 9.6 %
		Y	3.41	67.91	16.16		150.0	
		Z	3.29	67.20	15.67		150.0	
10103-CAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	8.45	77.00	20.66	3.98	65.0	± 9.6 %
		Y	8.95	79.30	21.65		65.0	
		Z	8.61	78.70	21.35		65.0	
10104-CAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	8.54	76.02	21.10	3.98	65.0	± 9.6 %
		Y	8.57	77.37	21.76		65.0	
		Z	8.26	76.73	21.40		65.0	
10105-CAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	7.72	74.02	20.51	3.98	65.0	± 9.6 %
		Y	7.88	75.69	21.33		65.0	
		Z	7.54	74.95	20.94		65.0	
10108-CAF	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	2.82	69.31	16.12	0.00	150.0	± 9.6 %
		Y	2.86	70.28	16.75		150.0	
		Z	2.61	68.76	15.84		150.0	
10109-CAF	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	3.00	67.31	15.68	0.00	150.0	± 9.6 %
		Y	2.98	67.82	16.01		150.0	
		Z	2.83	66.99	15.42		150.0	
10110-CAF	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	2.31	68.29	15.75	0.00	150.0	± 9.6 %
		Y	2.33	69.40	16.43		150.0	
		Z	2.11	67.80	15.39		150.0	
10111-CAF	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	2.69	67.70	15.91	0.00	150.0	± 9.6 %
		Y	2.68	68.49	16.29		150.0	
		Z	2.52	67.50	15.55		150.0	

ES3DV3- SN:3335

July 26, 2018

10112-CAF	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	3.13	67.27	15.74	0.00	150.0	± 9.6 %
		Y	3.10	67.76	16.04		150.0	
		Z	2.96	67.00	15.50		150.0	
10113-CAF	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	2.85	67.81	16.04	0.00	150.0	± 9.6 %
		Y	2.83	68.57	16.39		150.0	
		Z	2.67	67.67	15.71		150.0	
10114-CAC	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	X	5.23	67.18	16.32	0.00	150.0	± 9.6 %
		Y	5.17	67.42	16.48		150.0	
		Z	5.12	67.20	16.31		150.0	
10115-CAC	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	X	5.62	67.53	16.50	0.00	150.0	± 9.6 %
		Y	5.53	67.73	16.64		150.0	
		Z	5.44	67.42	16.43		150.0	
10116-CAC	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	X	5.36	67.45	16.37	0.00	150.0	± 9.6 %
		Y	5.30	67.68	16.53		150.0	
		Z	5.23	67.43	16.35		150.0	
10117-CAC	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	X	5.24	67.21	16.36	0.00	150.0	± 9.6 %
		Y	5.16	67.37	16.47		150.0	
		Z	5.09	67.08	16.26		150.0	
10118-CAC	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	X	5.66	67.60	16.55	0.00	150.0	± 9.6 %
		Y	5.61	67.91	16.74		150.0	
		Z	5.53	67.66	16.56		150.0	
10119-CAC	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	X	5.33	67.41	16.37	0.00	150.0	± 9.6 %
		Y	5.27	67.61	16.51		150.0	
		Z	5.20	67.37	16.33		150.0	
10140-CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	3.49	67.52	15.80	0.00	150.0	± 9.6 %
		Y	3.46	67.91	16.08		150.0	
		Z	3.32	67.21	15.60		150.0	
10141-CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	3.61	67.57	15.96	0.00	150.0	± 9.6 %
		Y	3.58	67.96	16.23		150.0	
		Z	3.45	67.32	15.78		150.0	
10142-CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	2.08	68.08	15.51	0.00	150.0	± 9.6 %
		Y	2.11	69.40	16.18		150.0	
		Z	1.87	67.56	14.95		150.0	
10143-CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	2.54	68.19	15.75	0.00	150.0	± 9.6 %
		Y	2.55	69.24	16.11		150.0	
		Z	2.34	67.89	15.11		150.0	
10144-CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	2.39	68.48	14.47	0.00	150.0	± 9.6 %
		Y	2.36	67.19	14.65		150.0	
		Z	2.17	66.00	13.70		150.0	
10145-CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	1.45	66.26	13.30	0.00	150.0	± 9.6 %
		Y	1.39	66.72	13.04		150.0	
		Z	1.13	64.09	11.04		150.0	
10146-CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	3.03	71.19	15.45	0.00	150.0	± 9.6 %
		Y	3.28	72.65	15.20		150.0	
		Z	2.22	67.64	12.46		150.0	
10147-CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	3.70	74.14	16.90	0.00	150.0	± 9.6 %
		Y	4.47	76.81	17.01		150.0	
		Z	2.67	69.97	13.67		150.0	

Certificate No: ES3-3335_Jul18

Page 16 of 39

ES3DV3-SN:3335

July 26, 2018

10149-CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	3.01	67.37	15.72	0.00	150.0	± 9.6 %
		Y	2.98	67.88	16.05		150.0	
		Z	2.84	67.04	15.46		150.0	
10150-CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	3.13	67.31	15.78	0.00	150.0	± 9.6 %
		Y	3.10	67.80	16.08		150.0	
		Z	2.97	67.05	15.54		150.0	
10151-CAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	8.72	78.65	21.42	3.98	65.0	± 9.6 %
		Y	9.51	81.62	22.63		65.0	
		Z	9.09	80.92	22.26		65.0	
10152-CAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	8.14	76.09	20.94	3.98	65.0	± 9.6 %
		Y	8.23	77.66	21.63		65.0	
		Z	7.86	76.88	21.18		65.0	
10153-CAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	8.49	76.79	21.56	3.98	65.0	± 9.6 %
		Y	8.61	78.43	22.29		65.0	
		Z	8.30	77.82	21.92		65.0	
10154-CAF	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	2.37	68.75	16.05	0.00	150.0	± 9.6 %
		Y	2.38	69.82	16.69		150.0	
		Z	2.16	68.16	15.63		150.0	
10155-CAF	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	2.69	67.70	15.91	0.00	150.0	± 9.6 %
		Y	2.68	68.50	16.30		150.0	
		Z	2.52	67.51	15.56		150.0	
10156-CAF	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	1.94	68.21	15.44	0.00	150.0	± 9.6 %
		Y	1.97	69.62	16.09		150.0	
		Z	1.71	67.46	14.64		150.0	
10157-CAF	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	2.22	66.95	14.55	0.00	150.0	± 9.6 %
		Y	2.20	67.85	14.77		150.0	
		Z	1.98	66.32	13.60		150.0	
10158-CAF	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	2.85	67.85	16.07	0.00	150.0	± 9.6 %
		Y	2.84	68.62	16.43		150.0	
		Z	2.68	67.73	15.75		150.0	
10159-CAF	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	2.33	67.38	14.85	0.00	150.0	± 9.6 %
		Y	2.31	68.28	15.05		150.0	
		Z	2.08	66.72	13.87		150.0	
10160-CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	2.81	68.32	15.96	0.00	150.0	± 9.6 %
		Y	2.83	69.17	16.49		150.0	
		Z	2.66	68.09	15.77		150.0	
10161-CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	3.03	67.18	15.72	0.00	150.0	± 9.6 %
		Y	3.00	67.72	16.02		150.0	
		Z	2.86	66.96	15.45		150.0	
10162-CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	3.13	67.23	15.79	0.00	150.0	± 9.6 %
		Y	3.10	67.82	16.11		150.0	
		Z	2.97	67.10	15.57		150.0	
10166-CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	3.95	69.79	19.16	3.01	150.0	± 9.6 %
		Y	3.96	71.22	19.96		150.0	
		Z	3.74	70.24	19.36		150.0	
10167-CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	5.00	72.57	19.59	3.01	150.0	± 9.6 %
		Y	5.28	75.30	20.83		150.0	
		Z	4.78	73.62	19.97		150.0	

Certificate No: ES3-3335_Jul18

Page 17 of 39

ES3DV3- SN:3335

July 26, 2018

10168-CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	5.44	74.41	20.71	3.01	150.0	± 9.6 %
		Y	5.90	77.67	22.14		150.0	
		Z	5.35	76.06	21.36		150.0	
10169-CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	3.65	71.15	19.66	3.01	150.0	± 9.6 %
		Y	3.61	72.65	20.61		150.0	
		Z	3.24	70.52	19.48		150.0	
10170-CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	5.24	76.96	21.77	3.01	150.0	± 9.6 %
		Y	6.01	81.72	23.86		150.0	
		Z	4.86	77.77	22.21		150.0	
10171-AAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	4.29	72.74	19.11	3.01	150.0	± 9.6 %
		Y	4.63	76.11	20.69		150.0	
		Z	3.85	72.83	19.17		150.0	
10172-CAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	17.76	97.33	29.58	6.02	65.0	± 9.6 %
		Y	73.92	128.98	38.93		65.0	
		Z	35.06	114.40	34.96		65.0	
10173-CAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	18.67	94.64	27.36	6.02	65.0	± 9.6 %
		Y	83.79	124.05	35.58		65.0	
		Z	47.03	114.00	32.91		65.0	
10174-CAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	15.92	90.86	25.73	6.02	65.0	± 9.6 %
		Y	54.27	114.54	32.57		65.0	
		Z	34.11	106.79	30.40		65.0	
10175-CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	3.59	70.78	19.39	3.01	150.0	± 9.6 %
		Y	3.56	72.27	20.34		150.0	
		Z	3.20	70.17	19.22		150.0	
10176-CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	5.24	76.99	21.78	3.01	150.0	± 9.6 %
		Y	6.02	81.75	23.87		150.0	
		Z	4.87	77.79	22.22		150.0	
10177-CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	3.63	70.97	19.51	3.01	150.0	± 9.6 %
		Y	3.69	72.45	20.44		150.0	
		Z	3.23	70.34	19.32		150.0	
10178-CAF	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	X	5.16	76.67	21.62	3.01	150.0	± 9.6 %
		Y	5.93	81.41	23.72		150.0	
		Z	4.80	77.51	22.08		150.0	
10179-CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	4.70	74.64	20.27	3.01	150.0	± 9.6 %
		Y	5.25	78.72	22.12		150.0	
		Z	4.30	75.11	20.53		150.0	
10180-CAF	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	X	4.27	72.64	19.05	3.01	150.0	± 9.6 %
		Y	4.61	76.01	20.63		150.0	
		Z	3.83	72.74	19.12		150.0	
10181-CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	3.62	70.95	19.50	3.01	150.0	± 9.6 %
		Y	3.59	72.43	20.44		150.0	
		Z	3.22	70.32	19.31		150.0	
10182-CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	5.15	76.64	21.61	3.01	150.0	± 9.6 %
		Y	5.91	81.38	23.70		150.0	
		Z	4.79	77.48	22.07		150.0	
10183-AAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	4.27	72.61	19.04	3.01	150.0	± 9.6 %
		Y	4.60	75.98	20.62		150.0	
		Z	3.83	72.72	19.10		150.0	

Certificate No: ES3-3335_Jul18

Page 18 of 39

ES3DV3- SN:3335

July 26, 2018

10184-CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	3.64	71.00	19.53	3.01	150.0	± 9.6 %
		Y	3.60	72.48	20.46		150.0	
		Z	3.23	70.36	19.33		150.0	
10185-CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	X	5.18	76.71	21.65	3.01	150.0	± 9.6 %
		Y	5.95	81.47	23.74		150.0	
		Z	4.82	77.57	22.11		150.0	
10186-AAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	X	4.29	72.68	19.07	3.01	150.0	± 9.6 %
		Y	4.62	76.06	20.65		150.0	
		Z	3.85	72.79	19.14		150.0	
10187-CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	3.64	71.03	19.57	3.01	150.0	± 9.6 %
		Y	3.61	72.54	20.52		150.0	
		Z	3.24	70.42	19.40		150.0	
10188-CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	5.37	77.47	22.05	3.01	150.0	± 9.6 %
		Y	6.22	82.41	24.20		150.0	
		Z	5.01	78.38	22.53		150.0	
10189-AAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	4.39	73.14	19.35	3.01	150.0	± 9.6 %
		Y	4.76	76.64	20.98		150.0	
		Z	3.95	73.29	19.44		150.0	
10193-CAC	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	X	4.66	66.56	16.09	0.00	150.0	± 9.6 %
		Y	4.59	66.83	16.23		150.0	
		Z	4.51	66.55	15.98		150.0	
10194-CAC	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	X	4.66	66.94	16.20	0.00	150.0	± 9.6 %
		Y	4.77	67.18	16.34		150.0	
		Z	4.68	66.88	16.11		150.0	
10195-CAC	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	X	4.90	66.95	16.21	0.00	150.0	± 9.6 %
		Y	4.81	67.20	16.36		150.0	
		Z	4.72	66.91	16.13		150.0	
10196-CAC	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	X	4.68	66.67	16.13	0.00	150.0	± 9.6 %
		Y	4.60	66.92	16.26		150.0	
		Z	4.51	66.62	16.01		150.0	
10197-CAC	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	X	4.88	66.96	16.21	0.00	150.0	± 9.6 %
		Y	4.79	67.20	16.36		150.0	
		Z	4.70	66.90	16.12		150.0	
10198-CAC	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	X	4.90	66.96	16.22	0.00	150.0	± 9.6 %
		Y	4.82	67.22	16.37		150.0	
		Z	4.73	66.93	16.14		150.0	
10219-CAC	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	X	4.63	66.68	16.09	0.00	150.0	± 9.6 %
		Y	4.55	66.93	16.22		150.0	
		Z	4.46	66.63	15.96		150.0	
10220-CAC	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	X	4.88	66.96	16.22	0.00	150.0	± 9.6 %
		Y	4.78	67.18	16.35		150.0	
		Z	4.89	66.88	16.12		150.0	
10221-CAC	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	X	4.91	66.91	16.21	0.00	150.0	± 9.6 %
		Y	4.82	67.15	16.36		150.0	
		Z	4.74	66.86	16.13		150.0	
10222-CAC	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	X	5.22	67.24	16.36	0.00	150.0	± 9.6 %
		Y	5.14	67.38	16.47		150.0	
		Z	5.06	67.08	16.26		150.0	

ES3DV3~ SN:3335

July 26, 2018

10223-CAC	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	X	5.61	67.61	16.57	0.00	150.0	± 9.6 %
		Y	5.46	67.60	16.60		150.0	
		Z	5.38	67.32	16.40		150.0	
10224-CAC	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	X	5.27	67.35	16.33	0.00	150.0	± 9.6 %
		Y	5.18	67.48	16.44		150.0	
		Z	5.11	67.19	16.24		150.0	
10225-CAB	UMTS-FDD (HSPA+)	X	2.90	65.91	15.33	0.00	150.0	± 9.6 %
		Y	2.86	66.41	15.52		150.0	
		Z	2.75	65.82	14.99		150.0	
10226-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	19.40	95.42	27.69	6.02	65.0	± 9.6 %
		Y	93.42	126.21	36.20		65.0	
		Z	52.06	116.00	33.53		65.0	
10227-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	16.99	92.09	26.22	6.02	65.0	± 9.6 %
		Y	59.97	116.43	33.15		65.0	
		Z	39.75	109.54	31.23		65.0	
10228-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	19.43	99.56	30.39	6.02	65.0	± 9.6 %
		Y	69.01	128.17	38.85		65.0	
		Z	36.88	115.87	35.47		65.0	
10229-CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	X	18.72	94.67	27.38	6.02	65.0	± 9.6 %
		Y	83.68	124.02	35.58		65.0	
		Z	47.16	114.04	32.93		65.0	
10230-CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	X	16.46	91.46	25.95	6.02	65.0	± 9.6 %
		Y	55.27	114.87	32.67		65.0	
		Z	36.63	108.00	30.74		65.0	
10231-CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	18.71	98.74	30.07	6.02	65.0	± 9.6 %
		Y	63.10	126.23	38.28		65.0	
		Z	34.03	114.14	34.92		65.0	
10232-CAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	X	18.70	94.66	27.38	6.02	65.0	± 9.6 %
		Y	83.81	124.05	35.58		65.0	
		Z	47.17	114.05	32.94		65.0	
10233-CAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	X	16.45	91.47	25.95	6.02	65.0	± 9.6 %
		Y	55.37	114.91	32.68		65.0	
		Z	36.63	108.01	30.74		65.0	
10234-CAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	18.00	97.85	29.70	6.02	65.0	± 9.6 %
		Y	57.60	124.16	37.63		65.0	
		Z	31.55	112.43	34.33		65.0	
10235-CAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	18.72	94.69	27.39	6.02	65.0	± 9.6 %
		Y	84.43	124.20	35.62		65.0	
		Z	47.40	114.15	32.96		65.0	
10236-CAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	16.54	91.54	25.97	6.02	65.0	± 9.6 %
		Y	56.11	115.11	32.73		65.0	
		Z	37.05	108.18	30.78		65.0	
10237-CAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	18.80	98.85	30.10	6.02	65.0	± 9.6 %
		Y	64.22	126.60	38.37		65.0	
		Z	34.38	114.37	34.98		65.0	
10238-CAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	18.69	94.66	27.38	6.02	65.0	± 9.6 %
		Y	84.00	124.10	35.59		65.0	
		Z	47.18	114.07	32.94		65.0	

Certificate No: ES3-3335_Jul18

Page 20 of 39

ES3DV3- SN:3335

July 26, 2018

10239-CAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	16.44	91.47	25.95	6.02	65.0	± 9.6 %
		Y	55.45	114.96	32.69		65.0	
		Z	36.62	108.02	30.75		65.0	
10240-CAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	18.75	98.81	30.09	6.02	65.0	± 9.6 %
		Y	63.94	126.53	38.35		65.0	
		Z	34.25	114.30	34.96		65.0	
10241-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	11.77	84.08	26.31	6.98	65.0	± 9.6 %
		Y	13.70	89.83	28.65		65.0	
		Z	12.37	87.76	27.72		65.0	
10242-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	11.05	82.65	25.66	6.98	65.0	± 9.6 %
		Y	13.36	89.28	28.38		65.0	
		Z	11.96	87.03	27.37		65.0	
10243-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	9.32	80.83	25.74	6.98	65.0	± 9.6 %
		Y	10.49	86.01	28.14		65.0	
		Z	9.51	83.87	27.09		65.0	
10244-CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	9.25	79.48	21.02	3.98	65.0	± 9.6 %
		Y	10.18	82.00	21.40		65.0	
		Z	9.15	80.16	20.37		65.0	
10245-CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	9.18	79.14	20.85	3.98	65.0	± 9.6 %
		Y	9.92	81.33	21.10		65.0	
		Z	8.90	79.48	20.06		65.0	
10246-CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	8.47	80.70	21.30	3.98	65.0	± 9.6 %
		Y	9.88	84.33	22.22		65.0	
		Z	8.66	82.03	21.03		65.0	
10247-CAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	7.61	76.79	20.31	3.98	65.0	± 9.6 %
		Y	7.74	78.26	20.56		65.0	
		Z	7.22	77.06	19.78		65.0	
10248-CAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	7.64	76.41	20.14	3.98	65.0	± 9.6 %
		Y	7.68	77.69	20.33		65.0	
		Z	7.15	76.47	19.53		65.0	
10249-CAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	9.04	81.75	22.18	3.98	65.0	± 9.6 %
		Y	11.12	86.63	23.73		65.0	
		Z	10.12	84.95	22.86		65.0	
10250-CAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	8.32	78.16	21.88	3.98	65.0	± 9.6 %
		Y	8.67	80.34	22.70		65.0	
		Z	8.30	79.62	22.24		65.0	
10251-CAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	7.98	76.33	20.88	3.98	65.0	± 9.6 %
		Y	8.14	78.10	21.53		65.0	
		Z	7.75	77.28	21.00		65.0	
10252-CAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	9.04	80.95	22.38	3.98	65.0	± 9.6 %
		Y	10.62	85.37	24.01		65.0	
		Z	10.00	84.36	23.49		65.0	
10253-CAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	7.96	75.57	20.78	3.98	65.0	± 9.6 %
		Y	8.01	77.05	21.41		65.0	
		Z	7.68	76.33	20.96		65.0	
10254-CAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	8.31	76.27	21.36	3.98	65.0	± 9.6 %
		Y	8.39	77.82	22.01		65.0	
		Z	8.09	77.22	21.63		65.0	