

10112- CAE	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	3.28	68.68	16.79	0.00	150.0	± 9.6 %
		Y	2.74	67.25	15.57	1	150.0	
		Z	2.89	68.13	16.13		150.0	
10113- CAE	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	3.09	69.94	17.46	0.00	150.0	± 9.6 %
		Y	2.52	68.70	15.88		150.0	
		Z	2.75	70.13	16.75		150.0	
10114- CAC	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	X	5.23	67.48	16.65	0.00	150.0	± 9.6 %
		Y	4.84	67.00	16.28		150.0	
		Z	4.90	67.34	16.43		150.0	
10115- CAC	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	X	5.59	67.72	16.77	0.00	150.0	± 9.6 %
		Υ	5.08	67.08	16.32		150.0	
10110		Z	5.13	67.37	16.44		150.0	
10116- CAC	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	Х	5.36	67.74	16.70	0.00	150.0	± 9.6 %
		Y	4.92	67.20	16.31		150.0	
1017		Z	4.98	67.52	16.45		150.0	
10117- CAC	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	X	5.24	67.49	16.68	0.00	150.0	± 9.6 %
		Υ	4.83	66.95	16.28		150.0	
10111		Z	4.89	67.29	16.43		150.0	
10118- CAC	IEEE 802.11n (HT Mixed, 81 Mbps, 16- QAM)	X	5.66	67.87	16.85	0.00	150.0	± 9.6 %
		Y	5.16	67.27	16.43		150.0	
		Z	5.20	67.52	16.53		150.0	
10119- CAC	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	Х	5.33	67.68	16.69	0.00	150.0	± 9.6 %
		Y	4.92	67.19	16.31		150.0	
		Z	4.97	67.51	16.46		150.0	
10140- CAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	Х	3.64	68.73	16.72	0.00	150.0	± 9.6 %
		Y	3.10	67.23	15.65		150.0	
		Z	3.23	67.98	16.12		150.0	
10141- CAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	Х	3.75	68.73	16.84	0.00	150.0	± 9.6 %
		Y	3.23	67.43	15.88		150.0	
		Z	3.36	68.16	16.32		150.0	
10142- CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	2.50	72.12	17.94	0.00	150.0	± 9.6 %
		Υ	1.65	68.10	14.67		150.0	
		Z	1.94	70.53	16.23		150.0	
10143- CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	2.95	71.49	17.71	0.00	150.0	± 9.6 %
		Υ	2.12	68.46	14.53		150.0	
		Z	2.52	71.14	16.09		150.0	
10144- CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	2.62	68.66	15.91	0.00	150.0	± 9.6 %
		Υ	1.78	65.25	12.38		150.0	
		Z	2.00	66.87	13.49		150.0	
10145- CAE	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	2.08	72.58	16.71	0.00	150.0	± 9.6 %
		Υ	0.62	60.00	6.54		150.0	
		Z	0.76	61.85	8.27		150.0	
10146- CAE	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	Х	4.74	77.79	17.95	0.00	150.0	± 9.6 %
		Υ	0.91	59.91	6.14		150.0	
		Z	1.03	60.93	6.75		150.0	
10147- CAE	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	Х	8.02	85.30	20.79	0.00	150.0	± 9.6 %
		Υ	0.95	60.19	6.39		150.0	
		Z	1.09	61.38	7.09		150.0	
		_	1.00	01.00	1.00		100.0	

Certificate No: EX3-3866\_May18

Page 16 of 39



10149-	LTE-FDD (SC-FDMA, 50% RB, 20 MHz,	X	3.18	68.92	16.86	0.00	150.0	± 9.6 %
CAD	16-QAM)			100		-		20.070
		Y	2.63	67.24	15.52	-	150.0	
10150	1.75 FDD (20 FD1) . 500 FD 00 100	Z	2.78	68.16	16.12		150.0	
10150- CAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	3.29	68.74	16.83	0.00	150.0	± 9.6 %
		Y	2.75	67.32	15.62		150.0	
		Z	2.90	68.21	16.19		150.0	
10151- CAD	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	9.25	82.93	23.38	3.98	65.0	± 9.6 %
		Y	5.36	75.32	19.83		65.0	
		Z	5.77	76.93	20.64		65.0	
10152- CAD	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	7.33	77.04	21.65	3.98	65.0	± 9.6 %
	1	Y	4.81	71.16	18.40		65.0	
		Z	4.98	72.05	18.88		65.0	
10153- CAD	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	Х	7.72	77.89	22.37	3.98	65.0	± 9.6 %
		Y	5.21	72.44	19.38		65.0	
		ż	5.39	73.30	19.82		65.0	
10154-	LTE-FDD (SC-FDMA, 50% RB, 10 MHz,	X	2.79	72.40	18.27	0.00	150.0	± 9.6 %
CAE	QPSK)					0.00		1 3.0 %
		Y	1.96	68.90	15.86		150.0	
		Z	2.20	70.63	16.99		150.0	
10155- CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	2.94	70.00	17.44	0.00	150.0	± 9.6 %
		Y	2.37	68.50	15.72		150.0	
		Z	2.60	70.02	16.66		150.0	
10156- CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	2.45	73.08	18.25	0.00	150.0	± 9.6 %
	<u> </u>	Y	1.44	67.52	13.85		150.0	
		Z	1.79	70.64	15.81		150.0	
10157- CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	2.55	70.02	16.44	0.00	150.0	± 9.6 %
		Υ	1.56	65.08	11.79		150.0	
		Z	1.83	67.35	13.31		150.0	
10158- CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	3.10	70.01	17.51	0.00	150.0	± 9.6 %
		Υ	2.53	68.81	15.95		150.0	
		Z	2.76	70.25	16.83		150.0	
10159- CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	2.72	70.68	16.81	0.00	150.0	± 9.6 %
O/IL	O' GO WIII)	Υ	1.63	65.40	12.01		150.0	
		Ż	1.94	67.86	13.59		150.0	
10160- CAD	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	3.08	70.55	17.46	0.00	150.0	± 9.6 %
		Υ	2.48	68.64	16.02		150.0	
		ż	2.64	69.71	16.74		150.0	
10161- CAD	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	3.19	68.68	16.82	0.00	150.0	± 9.6 %
		Y	2.64	67.29	15.48		150.0	
		Ż	2.80	68.24	16.09		150.0	
10162- CAD	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	3.29	68.68	16.85	0.00	150.0	± 9.6 %
		Υ	2.76	67.53	15.64		150.0	
		Z	2.91	68.48	16.24		150.0	
10166- CAE	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	Х	4.04	71.00	19.90	3.01	150.0	± 9.6 %
		Υ	3.16	69.13	18.77		150.0	
		Z	3.39	70.78	19.66		150.0	
10167- CAE	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	5.36	74.73	20.65	3.01	150.0	± 9.6 %
		Y	3.79	71.67	18.97		150.0	
		z	4.56	75.64	20.76		150.0	
	.1		7.00	7 0,04	20.10		100.0	



10168- CAE	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	6.03	77.24	22.03	3.01	150.0	± 9.6 %
		Y	4.43	75.05	20.89		150.0	
		Z	5.62	80.10	23.00		150.0	
10169- CAD	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	Х	3.82	73.12	20.79	3.01	150.0	± 9.6 %
		Y	2.61	67.68	18.06		150.0	
		Z	2.91	70.50	19.54		150.0	
10170- CAD	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	Х	6.54	82.37	24.08	3.01	150.0	± 9.6 %
		Y	3.53	73.51	20.46		150.0	
		Z	5.29	82.18	24.01		150.0	
10171- AAD	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	4.84	75.97	20.60	3.01	150.0	± 9.6 %
		Y	2.80	68.67	17.18		150.0	
10170		Z	3.59	74.12	19.63		150.0	
10172- CAD	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	30.51	113.43	34.95	6.02	65.0	± 9.6 %
		Υ	3.52	75.21	21.66		65.0	
1.0.15		Z	4.81	82.95	25.11		65.0	
10173- CAD	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	81.01	124.21	35.55	6.02	65.0	± 9.6 %
		Υ	6.10	82.01	22.32		65.0	
		Z	15.21	99.20	28.02		65.0	
10174- CAD	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	42.22	110.92	31.54	6.02	65.0	± 9.6 %
		Y	3.34	72.20	18.19	1.77	65.0	
		Z	7.70	87.16	23.71		65.0	
10175- CAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	3.75	72.64	20.47	3.01	150.0	± 9.6 %
		Y	2.57	67.33	17.78		150.0	
		Z	2.86	70.07	19.23		150.0	
10176- CAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	Х	6.55	82.40	24.09	3.01	150.0	± 9.6 %
		Y	3.54	73.53	20.47		150.0	
		Z	5.31	82.22	24.03		150.0	
10177- CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	3.79	72.88	20.60	3.01	150.0	± 9.6 %
		Υ	2.59	67.48	17.87		150.0	
		Z	2.89	70.25	19.33		150.0	
10178- CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	Х	6.40	81.92	23.88	3.01	150.0	± 9.6 %
		Y	3.51	73.32	20.36		150.0	
		Z	5.22	81.88	23.87		150.0	
10179- CAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	Х	5.57	78.86	22.14	3.01	150.0	± 9.6 %
		Υ	3.10	70.80	18.61		150.0	
		Z	4.30	77.75	21.59		150.0	
10180- CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	Х	4.81	75.81	20.51	3.01	150.0	± 9.6 %
		Υ	2.79	68.61	17.14		150.0	
		Z	3.58	74.03	19.58		150.0	
10181- CAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	Х	3.79	72.85	20.59	3.01	150.0	± 9.6 %
		Υ	2.59	67.46	17.86		150.0	
		Z	2.88	70.23	19.32		150.0	
10182- CAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	Х	6.39	81.89	23.87	3.01	150.0	± 9.6 %
		Υ	3.50	73.29	20.34		150.0	
		Z	5.21	81.83	23.85		150.0	
10183- AAC	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	Х	4.80	75.78	20.50	3.01	150.0	± 9.6 %
	,	Υ	2.79	68.59	17.13		150.0	
		Z	3.57	74.00	19.56		150.0	



10184-	LTE-FDD (SC-FDMA, 1 RB, 3 MHz,	Х	3.80	72.91	20.62	3.01	150.0	± 9.6 %
CAD	QPSK)		0.50	07.50	47.00		450.0	
		Y	2.59	67.50	17.89		150.0	
10105	1.75 5DD (00 5D14) 4.DD 0.MII 40	Z	2.90	70.28	19.35	0.04	150.0	. 0.00
10185- CAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	X	6.43	81.99	23.91	3.01	150.0	± 9.6 %
		Υ	3.52	73.38	20.39		150.0	
		Z	5.25	81.97	23.91		150.0	
10186- AAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	X	4.82	75.87	20.54	3.01	150.0	± 9.6 %
		Y	2.80	68.65	17.16		150.0	
		Z	3.60	74.09	19.61		150.0	
10187- CAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	3.81	72.95	20.67	3.01	150.0	± 9.6 %
		Y	2.61	67.59	17.98		150.0	
		Z	2.91	70.39	19.45		150.0	
10188- CAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	Х	6.79	83.15	24.45	3.01	150.0	± 9.6 %
		Υ	3.65	74.15	20.83		150.0	
		Z	5.58	83.26	24.51		150.0	
10189- AAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	4.99	76.54	20.90	3.01	150.0	± 9.6 %
		Y	2.86	69.07	17.45		150.0	
		Z	3.73	74.78	20.00		150.0	
10193-	IEEE 802.11n (HT Greenfield, 6.5 Mbps,	X	4.67	66.95	16.48	0.00	150.0	± 9.6 %
CAC	BPSK)	Y	4.24	66.64	15.97		150.0	20.070
		Z	4.33	67.09	16.19		150.0	
10194- CAC	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	X	4.87	67.32	16.59	0.00	150.0	± 9.6 %
OAO	10-Q/IIVI)	Υ	4.38	66.89	16.11		150.0	
		ż	4.47	67.32	16.32		150.0	
10195-	IEEE 802.11n (HT Greenfield, 65 Mbps,	X	4.91	67.33	16.59	0.00	150.0	± 9.6 %
CAC	64-QAM)	Y	4.42	66.91	16.13	0.00	150.0	± 9.0 %
		-						
10196-	IEEE 802.11n (HT Mixed, 6.5 Mbps,	Z	4.50	67.33	16.33	0.00	150.0	+0.00
CAC	BPSK)		4.69	67.05	16.52	0.00	150.0	± 9.6 %
		Υ	4.23	66.65	15.96		150.0	
		Z	4.31	67.09	16.18		150.0	
10197- CAC	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	Х	4.89	67.34	16.60	0.00	150.0	± 9.6 %
		Y	4.39	66.89	16.12		150.0	
		Z	4.47	67.32	16.32		150.0	
10198- CAC	IEEE 802.11n (HT Mixed, 65 Mbps, 64- QAM)	Х	4.92	67.34	16.60	0.00	150.0	± 9.6 %
		Υ	4.41	66.91	16.13		150.0	
		Z	4.49	67.32	16.33		150.0	
10219- CAC	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	Х	4.64	67.08	16.49	0.00	150.0	± 9.6 %
		Υ	4.18	66.68	15.93		150.0	
		Z	4.27	67.14	16.16		150.0	
10220- CAC	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	Х	4.89	67.33	16.60	0.00	150.0	± 9.6 %
		Υ	4.38	66.85	16.10		150.0	
		Z	4.46	67.28	16.31		150.0	
10221- CAC	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	Х	4.92	67.27	16.59	0.00	150.0	± 9.6 %
		Υ	4.43	66.85	16.12		150.0	
		Z	4.51	67.26	16.32		150.0	
10222- CAC	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	X	5.22	67.52	16.68	0.00	150.0	± 9.6 %
CAC								
	•	Υ	4.80	66.93	16.26		150.0	



EX3DV4-SN:3866

May 31, 2018

10223- CAC	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	Х	5.58	67.78	16.82	0.00	150.0	± 9.6 %
		Υ	5.07	67.14	16.38		150.0	
		Z	5.11	67.42	16.49		150.0	
10224- CAC	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	Х	5.27	67.64	16.67	0.00	150.0	± 9.6 %
		Υ	4.84	67.05	16.24		150.0	
		Z	4.90	67.40	16.40		150.0	
10225- CAB	UMTS-FDD (HSPA+)	X	2.99	67.00	16.21	0.00	150.0	± 9.6 %
		Y	2.51	66.01	14.64		150.0	
		Z	2.65	66.91	15.22		150.0	
10226- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	94.43	127.20	36.39	6.02	65.0	± 9.6 %
		Y	6.49	83.12	22.81		65.0	
10000		Z	17.53	101.76	28.87		65.0	
10227- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	56.88	116.18	33.01	6.02	65.0	± 9.6 %
		Υ	6.10	81.13	21.49		65.0	
1005		Z	15.05	97.36	26.79		65.0	
10228- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	50.96	124.04	37.91	6.02	65.0	± 9.6 %
		Υ	5.07	82.24	24.43		65.0	
		Z	6.53	88.87	27.26		65.0	
10229- CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	X	81.41	124.30	35.58	6.02	65.0	± 9.6 %
		Υ	6.15	82.11	22.37		65.0	1 70
		Z	15.40	99.39	28.08		65.0	
10230- CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	X	50.84	114.07	32.38	6.02	65.0	± 9.6 %
		Υ	5.76	80.19	21.07		65.0	
		Z	13.24	95.20	26.08		65.0	
10231- CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	45.88	121.77	37.23	6.02	65.0	± 9.6 %
		Υ	4.86	81.34	24.01		65.0	
		Z	6.18	87.70	26.77		65.0	
10232- CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	X	81.49	124.32	35.58	6.02	65.0	± 9.6 %
		Y	6.14	82.09	22.36		65.0	
		Z	15.37	99.37	28.07		65.0	
10233- CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64- QAM)	Х	50.87	114.09	32.39	6.02	65.0	± 9.6 %
		Y	5.75	80.17	21.07		65.0	
1000		Z	13.19	95.16	26.07		65.0	
10234- CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	Х	41.40	119.46	36.49	6.02	65.0	± 9.6 %
		Υ	4.68	80.55	23.58		65.0	
1000-		Z	5.91	86.70	26.29		65.0	
10235- CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	81.97	124.44	35.62	6.02	65.0	± 9.6 %
		Υ	6.14	82.11	22.37		65.0	
		Z	15.40	99.42	28.09		65.0	
10236- CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	51.73	114.35	32.45	6.02	65.0	± 9.6 %
		Υ	5.79	80.26	21.09		65.0	
1000		Z	13.39	95.36	26.12		65.0	
10237- CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	46.54	122.08	37.31	6.02	65.0	± 9.6 %
		Υ	4.85	81.36	24.02		65.0	
		Z	6.18	87.73	26.78		65.0	
10238- CAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	Х	81.61	124.36	35.59	6.02	65.0	± 9.6 %
	10 00 1111)							
CAD	re do um	Y	6.12 15.32	82.06 99.33	22.35 28.06		65.0 65.0	

Certificate No: EX3-3866\_May18

Page 20 of 39



10239- CAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	Х	50.88	114.12	32.39	6.02	65.0	± 9.6 %
		Υ	5.73	80.13	21.06		65.0	
		Ż	13.13	95.10	26.05		65.0	
10240- CAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	46.30	121.99	37.28	6.02	65.0	± 9.6 %
		Υ	4.84	81.34	24.01		65.0	
		Z	6.16	87.71	26.77		65.0	
10241- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	10.63	85.06	26.98	6.98	65.0	± 9.6 %
0/01	TO-GANY)	Y	6.79	78.66	23.63	_	65.0	<del>                                     </del>
	<u> </u>	ż	7.73	82.62	25.43		65.0	
10242- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	9.25	82.02	25.70	6.98	65.0	± 9.6 %
		Υ	5.51	74.61	21.86		65.0	
		Z	6.55	79.39	24.09		65.0	
10243- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	Х	7.26	78.53	25.18	6.98	65.0	± 9.6 %
		Y	4.68	72.01	21.59		65.0	
		Z	5.18	75.09	23.22		65.0	
10244- CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	Х	10.28	84.05	22.54	3.98	65.0	± 9.6 %
		Υ	3.24	66.97	12.70		65.0	
		Z	3.56	68.61	13.44		65.0	
10245- CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	Х	9.95	83.22	22.19	3.98	65.0	± 9.6 %
		Y	3.20	66.61	12.48		65.0	
		Z	3.47	68.07	13.14		65.0	
10246- CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	Х	12.46	90.83	24.94	3.98	65.0	± 9.6 %
		Υ	2.86	68.70	13.86		65.0	
		Z	3.30	71.03	15.15		65.0	
10247- CAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	Х	7.34	79.50	21.57	3.98	65.0	± 9.6 %
		Υ	3.48	68.53	14.66		65.0	
		Z	3.73	69.89	15.43		65.0	
10248- CAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	Х	7.19	78.56	21.18	3.98	65.0	± 9.6 %
		Y	3.48	68.14	14.48		65.0	
		Z	3.69	69.30	15.15		65.0	
10249- CAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	Х	13.15	92.09	26.04	3.98	65.0	± 9.6 %
		Υ	4.18	74.23	17.58		65.0	
		Z	4.89	77.09	18.97		65.0	
10250- CAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	7.92	80.63	23.26	3.98	65.0	± 9.6 %
		Υ	4.78	73.26	19.06		65.0	
		Z	5.03	74.43	19.66		65.0	
10251- CAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	Х	7.25	77.64	21.72	3.98	65.0	± 9.6 %
		Υ	4.47	70.96	17.63		65.0	
		Z	4.67	71.97	18.18		65.0	
10252- CAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	Х	10.93	88.12	25.36	3.98	65.0	± 9.6 %
		Υ	5.21	77.08	20.25		65.0	
		Z	5.77	79.24	21.29		65.0	
10253- CAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	7.05	76.20	21.36	3.98	65.0	± 9.6 %
		Υ	4.75	70.81	18.15		65.0	
		Z	4.92	71.70	18.62		65.0	
10254- CAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	Х	7.44	77.05	22.03	3.98	65.0	± 9.6 %
		Υ	5.10	71.90	18.98		65.0	
		Z	5.27	72.76	19.42		65.0	



10255- CAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	8.60	81.93	23.28	3.98	65.0	± 9.6 %
		Y	5.15	74.81	19.78		65.0	
		Z	5.50	76.30	20.53		65.0	1
10256- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	9.04	81.52	20.74	3.98	65.0	± 9.6 %
		Y	2.39	63.43	9.70		65.0	
		Z	2.46	64.13	10.00		65.0	
10257- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	8.57	80.28	20.20	3.98	65.0	± 9.6 %
		Y	2.38	63.12	9.45		65.0	
		Z	2.43	63.72	9.69		65.0	
10258- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	10.31	87.20	23.08	3.98	65.0	± 9.6 %
		Y	2.04	64.20	10.55		65.0	
		Z	2.21	65.50	11.41		65.0	
10259- CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	Х	7.54	79.76	22.11	3.98	65.0	± 9.6 %
		Y	3.97	70.35	16.29		65.0	
		Z	4.24	71.71	17.03		65.0	
10260- CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	7.50	79.33	21.95	3.98	65.0	± 9.6 %
		Υ	4.01	70.15	16.20		65.0	
		Z	4.26	71.44	16.90		65.0	
10261- CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	11.09	88.93	25.31	3.98	65.0	± 9.6 %
		Y	4.44	74.87	18.45		65.0	
		Z	5.05	77.34	19.66		65.0	
10262- CAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	Х	7.90	80.58	23.22	3.98	65.0	± 9.6 %
		Y	4.76	73.17	18.99		65.0	
		Z	5.00	74.34	19.60		65.0	
10263- CAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	Х	7.24	77.63	21.72	3.98	65.0	± 9.6 %
		Y	4.47	70.94	17.62		65.0	
		Z	4.66	71.95	18.17		65.0	
10264- CAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	Х	10.81	87.88	25.25	3.98	65.0	± 9.6 %
		Y	5.15	76.85	20.13		65.0	
		Z	5.70	78.99	21.17		65.0	
10265- CAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	Х	7.33	77.04	21.65	3.98	65.0	± 9.6 %
		Y	4.81	71.17	18.41		65.0	
		Z	4.98	72.06	18.89		65.0	
10266- CAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	Х	7.71	77.88	22.36	3.98	65.0	± 9.6 %
		Y	5.21	72.42	19.37		65.0	
		Z	5.39	73.29	19.81		65.0	
10267- CAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	Х	9.22	82.87	23.36	3.98	65.0	± 9.6 %
		Y	5.35	75.27	19.81		65.0	
		Z	5.75	76.88	20.62		65.0	
10268- CAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	Х	7.74	76.26	21.65	3.98	65.0	± 9.6 %
		Υ	5.50	71.54	19.15		65.0	
		Z	5.66	72.29	19.52		65.0	
10269- CAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	7.63	75.68	21.48	3.98	65.0	± 9.6 %
		Υ	5.52	71.23	19.05		65.0	
		Z	5.67	71.96	19.42		65.0	
10270- CAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	8.19	78.75	21.89	3.98	65.0	± 9.6 %
		Υ	5.47	73.33	19.26		65.0	



10274- CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP	Х	2.75	67.48	16.19	0.00	150.0	± 9.6 %
OND	Rel8.10)	Υ	2.34	66.54	14.62		150.0	
		Z	2.51	67.66	15.36		150.0	
10275- CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	X	2.00	71.96	17.96	0.00	150.0	± 9.6 %
		Υ	1.38	67.61	14.72		150.0	
		Z	1.63	69.95	16.31		150.0	
10277- CAA	PHS (QPSK)	X	3.04	64.39	9.80	9.03	50.0	± 9.6 %
		Υ	1.99	60.23	5.80		50.0	
		Z	1.82	60.13	5.55		50.0	
10278- CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	Х	14.05	89.45	23.17	9.03	50.0	± 9.6 %
		Y	2.97	64.46	10.26		50.0	
		Z	2.89	64.90	10.43		50.0	
10279- CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	X	14.28	89.60	23.26	9.03	50.0	± 9.6 %
		Y	3.03	64.63	10.40		50.0	
		Z	2.96	65.09	10.58		50.0	
10290- AAB	CDMA2000, RC1, SO55, Full Rate	×	2.75	78.00	19.03	0.00	150.0	± 9.6 %
		Υ	0.70	62.51	8.57		150.0	
		Z	1.12	67.63	11.97		150.0	
10291- AAB	CDMA2000, RC3, SO55, Full Rate	X	1.53	75.18	17.97	0.00	150.0	± 9.6 %
		Y	0.39	60.48	6.87		150.0	
		Z	0.68	65.59	10.81		150.0	
10292- AAB	CDMA2000, RC3, SO32, Full Rate	Х	4.08	91.57	24.34	0.00	150.0	± 9.6 %
		Y	0.46	62.41	8.25		150.0	
		Z	1.88	78.02	16.27		150.0	
10293- AAB	CDMA2000, RC3, SO3, Full Rate	Х	23.75	120.75	33.02	0.00	150.0	± 9.6 %
		Y	0.79	67.74	11.33		150.0	
		Z	100.00	126.63	29.48		150.0	
10295- AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	X	9.88	86.90	25.50	9.03	50.0	± 9.6 %
		Y	7.81	78.34	18.95		50.0	
		Z	8.66	81.12	20.25		50.0	
10297- AAC	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	3.30	72.72	18.17	0.00	150.0	± 9.6 %
		Y	2.45	69.40	16.26		150.0	
		Z	2.67	70.85	17.18		150.0	
10298- AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	Х	2.36	73.70	17.87	0.00	150.0	± 9.6 %
		Υ	0.95	63.49	10.09		150.0	
		Z	1.26	66.91	12.45		150.0	
10299- AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	Х	4.97	78.35	18.95	0.00	150.0	± 9.6 %
		Υ	1.38	63.08	9.25		150.0	
		Z	1.78	65.74	10.59		150.0	
10300- AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	3.02	70.07	14.79	0.00	150.0	± 9.6 %
		Υ	1.14	60.87	7.34		150.0	
		Z	1.29	61.96	7.95		150.0	
10301- AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	Х	5.15	66.43	18.16	4.17	50.0	± 9.6 %
		Υ	4.26	65.03	16.87		50.0	
		Z	4.39	65.68	17.23		50.0	
10302- AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols)	X	5.54	66.66	18.64	4.96	50.0	± 9.6 %
				66.66 65.92	18.64 17.68	4.96	50.0	± 9.6 %

Certificate No: EX3-3866\_May18 Page 23 of 39



10303- AAA	IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	Х	5.32	66.45	18.58	4.96	50.0	± 9.6 %
	10 12, 0.100 iii, 1 000)	Y	4.68	66.21	17.88	-	50.0	
		ż	4.59	65.72	17.62		50.0	
10304- AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	X	5.10	66.22	18.02	4.17	50.0	± 9.6 %
		Y	4.41	65.51	17.03		50.0	
		Z	4.42	65.71	17.20		50.0	
10305- AAA	IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)	X	4.94	69.25	20.97	6.02	35.0	± 9.6 %
		Y	4.41	68.89	19.23		35.0	
10000		Z	4.13	67.78	18.87		35.0	
10306- AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)	X	5.13	67.61	20.10	6.02	35.0	± 9.6 %
		Y	4.56	67.30	18.81		35.0	
10307-	IFFE 000 40- WIMAY (00:40, 40	Z	4.39	66.67	18.60	0.00	35.0	
AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)	X	5.09	68.07	20.21	6.02	35.0	± 9.6 %
		Y	4.47	67.47	18.76		35.0	
10300	IEEE 902 460 WiMAY (20:40, 40	Z	4.29	66.75	18.52	0.00	35.0	1000
10308- AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	X	5.06	68.27	20.35	6.02	35.0	± 9.6 %
		Y	4.47	67.75	18.93		35.0	
10309-	JEEE BOO 400 WEMAY (CO.40, 40	Z	4.27	66.98	18.68	0.00	35.0	1000
AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols)	X	5.19	67.25	19.75	6.02	35.0	± 9.6 %
		Y	4.58	67.38	18.90		35.0	
10010	IEEE 000 40- W/MAY (00-40-40-40-40-40-40-40-40-40-40-40-40-4	Z	4.41	66.72	18.68	2.00	35.0	
10310- AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)	X	5.09	67.74	20.10	6.02	35.0	± 9.6 %
		Y	4.53	67.43	18.82		35.0	
		Z	4.35	66.75	18.59		35.0	
10311- AAC	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	3.70	71.89	17.72	0.00	150.0	± 9.6 %
		Y	2.80	68.59	15.95		150.0	
10010	IDEN 4.0	Z	3.04	69.98	16.78	0.00	150.0	. 0 0 0′
10313- AAA	iDEN 1:3	X	8.41	82.71	19.62	6.99	70.0	± 9.6 %
		Y	2.11	66.29	12.17		70.0	
10011	IDEAL CO.	Z	2.59	69.51	14.06		70.0	
10314- AAA	iDEN 1:6	X	20.76	101.38	28.33	10.00	30.0	± 9.6 %
		Y	3.07	71.05	16.78		30.0	
1001=	LEEF OOD AND WIFE O A DAY AND DOOR O	Z	4.44	77.95	20.09	0 :-	30.0	
10315- AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	X	1.16	66.05	17.04	0.17	150.0	± 9.6 %
	_	Y	0.93	63.42	14.64		150.0	
10010	JEEE 000 44- WIELO 4 OU - 1555	Z	1.05	64.61	15.60	0.17	150.0	1000
10316- AAB	IEEE 802.11g WiFi 2.4 GHz (ERP- OFDM, 6 Mbps, 96pc duty cycle)	X	4.73	67.01	16.61	0.17	150.0	± 9.6 %
	-	Y	4.26	66.54	16.02		150.0	
10017	IEEE 000 44- WIELE OLL (OED) 4	Z	4.33	66.93	16.20	0.47	150.0	
10317- AAC	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	X	4.73	67.01	16.61	0.17	150.0	± 9.6 %
		Y	4.26	66.54	16.02		150.0	
10100	IEEE OOD 44 - WEEL (OOL III - OL G	Z	4.33	66.93	16.20	0.00	150.0	
10400- AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	X	4.88	67.37	16.57	0.00	150.0	± 9.6 %
		Υ	4.34	66.87	16.07		150.0	
		Z	4.42	67.29	16.28		150.0	
10401- AAD	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	X	5.47	67.30	16.56	0.00	150.0	± 9.6 %
		Υ	5.01	66.69	16.10		150.0	
		Z	5.06	66.98	16.22		150.0	



10402- AAD	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	X	5.79	67.90	16.70	0.00	150.0	± 9.6 %
		Y	5.35	67.26	16.28		150.0	
		Z	5.41	67.60	16.42		150.0	
10403- AAB	CDMA2000 (1xEV-DO, Rev. 0)	X	2.75	78.00	19.03	0.00	115.0	± 9.6 %
		Y	0.70	62.51	8.57		115.0	
		Z	1.12	67.63	11.97		115.0	
10404- AAB	CDMA2000 (1xEV-DO, Rev. A)	Х	2.75	78.00	19.03	0.00	115.0	± 9.6 %
		Y	0.70	62.51	8.57		115.0	
		Z	1.12	67.63	11.97		115.0	
10406- AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	Х	100.00	123.03	31.57	0.00	100.0	± 9.6 %
		Y	100.00	117.10	27.58		100.0	
		Z	100.00	109.91	24.19		100.0	
10410- AAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4)	X	100.00	120.76	30.39	3.23	80.0	± 9.6 %
		Υ	3.18	76.22	16.11		80.0	
		Z	78.58	113.88	26.30		80.0	
10415- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	Х	1.05	64.68	16.23	0.00	150.0	± 9.6 %
		Y	0.87	62.79	14.21		150.0	
		Z	0.99	64.00	15.22		150.0	
10416- AAA	IEEE 802.11g WiFi 2.4 GHz (ERP- OFDM, 6 Mbps, 99pc duty cycle)	X	4.67	66.98	16.52	0.00	150.0	± 9.6 %
		Y	4.24	66.64	16.05		150.0	
		Z	4.32	67.06	16.26		150.0	
10417- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	Х	4.67	66.98	16.52	0.00	150.0	± 9.6 %
		Y	4.24	66.64	16.05		150.0	
		Z	4.32	67.06	16.26		150.0	
10418- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	Х	4.66	67.14	16.54	0.00	150.0	± 9.6 %
		Y	4.23	66.84	16.10		150.0	
		Z	4.32	67.29	16.32		150.0	
10419- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Short preambule)	X	4.68	67.09	16.54	0.00	150.0	± 9.6 %
		Y	4.25	66.77	16.09		150.0	
		Z	4.33	67.21	16.30		150.0	
10422- AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	Х	4.81	67.07	16.54	0.00	150.0	± 9.6 %
		Y	4.35	66.75	16.10		150.0	
		Z	4.43	67.17	16.30		150.0	
10423- AAB	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	X	5.01	67.46	16.67	0.00	150.0	± 9.6 %
		Υ	4.48	67.01	16.19		150.0	
		Z	4.56	67.42	16.39		150.0	
10424- AAB	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	X	4.92	67.40	16.65	0.00	150.0	± 9.6 %
		Y	4.41	66.96	16.17		150.0	
10425- AAB	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	X	4.49 5.46	67.38 67.60	16.37 16.71	0.00	150.0 150.0	± 9.6 %
AAD	DI ON)	Y	5.04	67 16	16.26		150.0	
		Z	5.04	67.16	16.36		150.0	
10426-	IEEE 802.11n (HT Greenfield, 90 Mbps,		5.09	67.45	16.48	0.00	150.0	+000
AAB	16-QAM)	X	5.48	67.64	16.73	0.00	150.0	± 9.6 %
		Y	5.06	67.25	16.40		150.0	
		Z	5.10	67.50	16.50		150.0	



10427- AAB	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	Х	5.50	67.67	16.74	0.00	150.0	± 9.6 %
		Y	5.02	67.03	16.29		150.0	
		Z	5.07	67.33	16.42		150.0	
10430- AAB	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	X	4.58	71.57	18.98	0.00	150.0	± 9.6 %
		Υ	4.37	73.37	18.78		150.0	
		Z	4.58	74.27	19.24		150.0	
10431- AAB	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	X	4.43	67.66	16.67	0.00	150.0	± 9.6 %
		Y	3.85	67.22	15.90		150.0	
		Z	3.95	67.77	16.20		150.0	
10432- AAB	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	X	4.71	67.49	16.65	0.00	150.0	± 9.6 %
		Y	4.17	67.06	16.08		150.0	
10100	175 500 (05014)	Z	4.26	67.52	16.32		150.0	
10433- AAB	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	X	4.94	67.46	16.68	0.00	150.0	± 9.6 %
		Y	4.43	67.00	16.19		150.0	
10101	W 0014 /00 T	Z	4.51	67.42	16.39		150.0	
10434- AAA	W-CDMA (BS Test Model 1, 64 DPCH)	X	4.75	72.61	19.13	0.00	150.0	± 9.6 %
		Y	4.53	74.33	18.54		150.0	
10100		Z	4.89	75.74	19.25		150.0	
10435- AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	120.56	30.30	3.23	80.0	± 9.6 %
		Υ	3.04	75.61	15.84		80.0	
10447- AAB	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	Z X	56.33 3.79	109.76 67.99	25.31 16.38	0.00	80.0 150.0	± 9.6 %
AAD	Clipping 44%)	Y	3.07	66.89	14.62		150.0	
10110	LTE EDD (OFD) A 10 MILE ETILO	Z	3.22	67.78	15.17		150.0	
10448- AAB	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	X	4.25	67.46	16.55	0.00	150.0	± 9.6 %
		Y	3.72	67.01	15.77		150.0	
10110	175 500 (050) 45 100 5 700 6	Z	3.82	67.58	16.09		150.0	
10449- AAB	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	X	4.50	67.35	16.57	0.00	150.0	± 9.6 %
		Υ	4.01	66.89	15.98		150.0	
10150		Z	4.11	67.38	16.24		150.0	
10450- AAB	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	Х	4.67	67.24	16.56	0.00	150.0	± 9.6 %
		Υ	4.23	66.77	16.04		150.0	
10151		Z	4.31	67.22	16.26		150.0	
10451- AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	Х	3.75	68.42	16.22	0.00	150.0	± 9.6 %
		Y	2.85	66.52	13.77		150.0	
10155	LEEE 000 44 NAME	Z	3.02	67.54	14.42		150.0	
10456- AAB	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	X	6.32	68.21	16.86	0.00	150.0	± 9.6 %
		Υ	5.95	67.65	16.50		150.0	
10.15-	LIMITO EDD (DO LIGOTI)	Z	5.98	67.88	16.58		150.0	
10457- AAA	UMTS-FDD (DC-HSDPA)	X	3.85	65.62	16.28	0.00	150.0	± 9.6 %
		Y	3.59	65.37	15.78		150.0	
10.153	0014400004 5455 5 5 5	Z	3.67	65.81	16.00		150.0	
10458- AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	X	4.29	71.53	18.51	0.00	150.0	± 9.6 %
		Υ	3.72	71.59	16.70		150.0	
		Z	4.10	73.31	17.61		150.0	
10459- AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	Х	5.31	68.36	18.52	0.00	150.0	± 9.6 %
		Υ	5.07	70.41	18.52		150.0	
		Z	5.02	70.25	18.39		150.0	



10460- AAA	UMTS-FDD (WCDMA, AMR)	X	1.40	77.62	21.27	0.00	150.0	± 9.6 %
		Υ	0.75	68.40	15.27		150.0	
		Z	1.01	72.28	18.04		150.0	
10461- AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	100.00	126.30	32.98	3.29	80.0	± 9.6 %
		Υ	2.35	74.20	16.26		80.0	
		Z	35.66	109.26	26.58		80.0	
10462- AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	100.00	108.10	24.46	3.23	80.0	± 9.6 %
		Υ	0.83	60.00	7.13		80.0	
		Z	0.75	60.00	6.53		80.0	
10463- AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	104.48	22.76	3.23	80.0	± 9.6 %
		Y	0.85	60.00	6.59	-	80.0	
10101	LTE TOD (OO FOLIA 4 DD O MILE	Z	0.40	56.01	3.87	0.00	80.0	
10464- AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	124.03	31.77	3.23	80.0	± 9.6 %
		Y	1.51	68.70	13.51		80.0	
10465	LITE TOD (OO FDMA 4 DD OANLE 40	Z	9.76	91.36	21.16	0.00	80.0	1000
10465- AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	107.45	24.15	3.23	80.0	± 9.6 %
		Y	0.83	60.00	7.07		80.0	
10100	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-	Z	0.75	60.00	6.47	0.00	80.0	
10466- AAA	QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	103.90	22.49	3.23	80.0	± 9.6 %
		Y	0.85	60.00	6.56		80.0	
10467- AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	0.40 100.00	55.93 124.29	3.78 31.88	3.23	80.0 80.0	± 9.6 %
7440	Qi Oit, OE Gubitaine=2,0,4,7,0,9)	Υ	1.59	69.38	13.82		80.0	
		ż	13.19	94.99	22.17		80.0	
10468- AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	107.63	24.22	3.23	80.0	± 9.6 %
		Y	0.83	60.00	7.09		80.0	
		Z	0.75	60.00	6.49		80.0	
10469- AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	Х	100.00	103.91	22.49	3.23	80.0	± 9.6 %
		Υ	0.85	60.00	6.56		80.0	
		Z	0.39	55.93	3.78		80.0	
10470- AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	100.00	124.33	31.89	3.23	80.0	± 9.6 %
		Υ	1.58	69.35	13.80		80.0	
		Z	13.38	95.15	22.20		80.0	
10471- AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	Х	100.00	107.56	24.19	3.23	80.0	± 9.6 %
		Υ	0.83	60.00	7.07		80.0	
		Z	0.75	60.00	6.47		80.0	
10472- AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	103.85	22.45	3.23	80.0	± 9.6 %
		Υ	0.85	60.00	6.54		80.0	
		Z	0.39	55.90	3.75		80.0	
10473- AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	100.00	124.29	31.87	3.23	80.0	± 9.6 %
		Y	1.58	69.31	13.78		80.0	
	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-	Z	13.13	94.92 107.57	22.13 24.19	3.23	80.0	± 9.6 %
10474-								
10474- AAC	QAM, UL Subframe=2,3,4,7,8,9)	_	0.83	60.00	7.07	1	000	
		Y	0.83	60.00	7.07		80.0	
10475-	QAM, UL Subframe=2,3,4,7,8,9)  LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-	Y Z X	0.83 0.75 100.00	60.00 60.00 103.86	7.07 6.47 22.46	3.23	80.0 80.0 80.0	± 9.6 %
AAC	QAM, UL Subframe=2,3,4,7,8,9)	Z	0.75	60.00	6.47	3.23	80.0	± 9.6 %



10477- AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	100.00	107.39	24.10	3.23	80.0	± 9.6 %
		Y	0.83	60.00	7.05		80.0	
		Z	0.75	60.00	6.44		80.0	
10478- AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	Х	100.00	103.80	22.43	3.23	80.0	± 9.6 %
		Υ	0.85	60.00	6.53		80.0	
		Z	0.39	55.88	3.72		80.0	
10479- AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	23.06	103.54	29.04	3.23	80.0	± 9.6 %
		Υ	4.59	78.87	18.85		80.0	
		Z	12.39	93.46	23.77		80.0	
10480- AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	32.23	101.31	26.46	3.23	80.0	± 9.6 %
		Υ	2.07	65.46	11.71		80.0	
10101		Z	3.38	71.42	14.04		80.0	
10481- AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	24.84	96.55	24.79	3.23	80.0	± 9.6 %
		Υ	1.68	62.96	10.18		80.0	
		Z	2.13	66.13	11.52		80.0	
10482- AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	8.69	87.44	23.23	2.23	80.0	± 9.6 %
		Υ	1.28	62.37	10.50		80.0	
		Z	1.61	65.30	12.32		80.0	
10483- AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	12.81	88.81	23.25	2.23	80.0	± 9.6 %
		Y	1.51	61.13	9.30		80.0	
		Z	1.73	62.99	10.34		80.0	
10484- AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	11.02	86.39	22.50	2.23	80.0	± 9.6 %
		Υ	1.51	60.88	9.17		80.0	
		Z	1.69	62.51	10.10		80.0	
10485- AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	7.38	85.35	23.29	2.23	80.0	± 9.6 %
		Y	1.98	67.26	14.31		80.0	
		Z	2.45	70.47	16.06		80.0	
10486- AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.03	75.84	19.54	2.23	80.0	± 9.6 %
		Y	1.93	63.77	11.98		80.0	
		Z	2.23	65.83	13.21		80.0	
10487- AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	4.91	75.07	19.24	2.23	80.0	± 9.6 %
		Υ	1.94	63.53	11.85		80.0	
		Z	2.22	65.44	13.00		80.0	
10488- AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.15	80.63	22.07	2.23	80.0	± 9.6 %
		Υ	2.61	69.10	16.50		80.0	
		Z	2.91	70.97	17.56		80.0	
10489- AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.57	72.97	19.30	2.23	80.0	± 9.6 %
		Υ	2.75	66.79	15.40		80.0	
		Z	2.97	68.13	16.17		80.0	
10490- AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.59	72.45	19.10	2.23	80.0	± 9.6 %
		Υ	2.83	66.71	15.38		80.0	
		Z	3.04	67.98	16.11		80.0	
10491- AAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	5.51	76.55	20.60	2.23	80.0	± 9.6 %
		Υ	2.96	68.43	16.57		80.0	
		Z	3.19	69.77	17.33		80.0	
10492- AAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	4.67	71.20	18.75	2.23	80.0	± 9.6 %
AAC	10-QAM, OL GUDITATTIC-2.3.4.7.0.31							
AAC	10-QAM, OL Subilanie-2,5,4,7,6,9)	Υ	3.17	66.63	15.90		80.0	



10493-	LTE-TDD (SC-FDMA, 50% RB, 15 MHz,	Х	4.71	70.90	18.64	2.23	80.0	± 9.6 %
AAC	64-QAM, UL Subframe=2,3,4,7,8,9)							
		Υ	3.23	66.55	15.87		80.0	
	<u> </u>	Z	3.39	67.44	16.38		80.0	
10494- AAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.63	79.67	21.55	2.23	80.0	± 9.6 %
		Y	3.14	69.49	16.91		80.0	
		Z	3.41	71.02	17.76		80.0	
10495- AAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.80	71.95	19.05	2.23	80.0	± 9.6 %
		Υ	3.20	66.89	16.12		80.0	
		Z	3.35	67.82	16.65		80.0	
10496- AAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	4.80	71.35	18.83	2.23	80.0	± 9.6 %
		Υ	3.29	66.77	16.11		80.0	
		Z	3.44	67.64	16.60		80.0	
10497- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	7.62	85.02	21.66	2.23	80.0	± 9.6 %
		Y	0.97	60.00	7.83		80.0	
		Z	0.96	60.00	8.24		80.0	
10498- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.01	72.58	16.22	2.23	80.0	± 9.6 %
		Y	1.16	60.00	6.77		80.0	
		Z	1.14	60.00	7.03		80.0	
10499- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	3.80	71.49	15.65	2.23	80.0	± 9.6 %
		Y	1.18	60.00	6.63		80.0	
		Z	1.16	60.00	6.86		80.0	
10500- AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	6.32	82.09	22.38	2.23	80.0	± 9.6 %
		Y	2.24	68.13	15.26		80.0	
		Z	2.64	70.71	16.69		80.0	
10501- AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	4.76	74.36	19.32	2.23	80.0	± 9.6 %
		Y	2.30	65.32	13.47		80.0	
		Z	2.60	67.21	14.56		80.0	
10502- AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	4.78	73.99	19.12	2.23	80.0	± 9.6 %
		Y	2.34	65.16	13.32		80.0	
		Z	2.62	66.99	14.38		80.0	
10503- AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	6.03	80.32	21.94	2.23	80.0	± 9.6 %
		Y	2.57	68.90	16.39		80.0	
		Z	2.87	70.75	17.45		80.0	
10504- AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	4.54	72.86	19.24	2.23	80.0	± 9.6 %
		Y	2.73	66.67	15.33		80.0	
		Z	2.95	68.01	16.10		80.0	
10505- AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	4.56	72.33	19.04	2.23	80.0	± 9.6 %
		Υ	2.82	66.61	15.31		80.0	
		Z	3.02	67.87	16.04		80.0	
10506- AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.54	79.44	21.45	2.23	80.0	± 9.6 %
		Y	3.11	69.34	16.83		80.0	
		Z	3.38	70.86	17.68		80.0	
10507- AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	4.78	71.87	19.01	2.23	80.0	± 9.6 %
		_						
		Y	3.18	66.83	16.08		80.0	

Certificate No: EX3-3866\_May18

Page 29 of 39