

ES3DV3- SN:3335

July 26, 2018

10274-CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	X	2.60	65.98	15.06	0.00	150.0	± 9.6 %
		Y	2.62	66.73	15.41		150.0	
		Z	2.51	66.02	14.79		150.0	
10275-CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	X	1.59	67.18	15.02	0.00	150.0	± 9.6 %
		Y	1.68	68.75	15.93		150.0	
		Z	1.49	66.69	14.56		150.0	
10277-CAA	PHS (QPSK)	X	6.39	70.99	15.47	9.03	50.0	± 9.6 %
		Y	5.12	68.63	13.15		50.0	
		Z	4.69	67.45	12.22		50.0	
10278-CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	X	9.25	79.25	21.08	9.03	50.0	± 9.6 %
		Y	9.05	79.78	20.33		50.0	
		Z	8.13	77.79	19.14		50.0	
10279-CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	X	9.40	79.43	21.15	9.03	50.0	± 9.6 %
		Y	9.21	79.98	20.43		50.0	
		Z	8.25	77.96	19.24		50.0	
10290-AAB	CDMA2000, RC1, SO55, Full Rate	X	1.52	68.00	14.19	0.00	150.0	± 9.6 %
		Y	1.62	70.12	14.87		150.0	
		Z	1.24	66.46	12.53		150.0	
10291-AAB	CDMA2000, RC3, SO55, Full Rate	X	0.86	65.21	12.57	0.00	150.0	± 9.6 %
		Y	0.90	67.00	13.27		150.0	
		Z	0.71	63.84	10.91		150.0	
10292-AAB	CDMA2000, RC3, SO32, Full Rate	X	0.98	67.96	14.33	0.00	150.0	± 9.6 %
		Y	1.21	71.98	15.98		150.0	
		Z	0.81	66.28	12.54		150.0	
10293-AAB	CDMA2000, RC3, SO3, Full Rate	X	1.27	71.69	16.52	0.00	150.0	± 9.6 %
		Y	1.92	78.95	19.29		150.0	
		Z	1.07	69.99	14.76		150.0	
10295-AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	X	9.81	81.13	23.36	9.03	50.0	± 9.6 %
		Y	11.45	85.71	24.68		50.0	
		Z	11.53	85.57	24.28		50.0	
10297-AAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	2.83	69.40	16.18	0.00	150.0	± 9.6 %
		Y	2.87	70.37	16.81		150.0	
		Z	2.62	68.85	15.90		150.0	
10298-AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	1.71	67.59	14.55	0.00	150.0	± 9.6 %
		Y	1.72	68.85	14.90		150.0	
		Z	1.42	66.22	13.08		150.0	
10299-AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	3.38	72.13	16.50	0.00	150.0	± 9.6 %
		Y	4.04	75.35	17.20		150.0	
		Z	2.96	70.95	14.92		150.0	
10300-AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	2.66	67.78	13.82	0.00	150.0	± 9.6 %
		Y	2.67	68.66	13.60		150.0	
		Z	2.17	66.08	11.94		150.0	
10301-AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	X	5.87	68.15	18.69	4.17	80.0	± 9.6 %
		Y	5.75	68.79	19.07		80.0	
		Z	5.49	67.95	18.48		80.0	
10302-AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols)	X	6.37	68.75	19.40	4.96	80.0	± 9.6 %
		Y	6.16	69.09	19.64		80.0	
		Z	5.90	68.16	18.98		80.0	

Certificate No: ES3-3335_Jul18

Page 23 of 39

ES3DV3- SN:3335

July 26, 2018

10303-AAA	IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	X	6.25	68.92	19.50	4.96	80.0	± 9.6 %
		Y	6.00	69.17	19.70		80.0	
		Z	5.72	68.12	18.96		80.0	
10304-AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	X	5.83	68.08	18.63	4.17	80.0	± 9.6 %
		Y	5.63	68.40	18.84		80.0	
		Z	5.40	67.51	18.21		80.0	
10305-AAA	IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)	X	10.40	84.33	27.12	6.02	50.0	± 9.6 %
		Y	8.98	82.61	26.53		50.0	
		Z	7.64	78.58	24.37		50.0	
10306-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)	X	6.78	71.81	21.51	6.02	50.0	± 9.6 %
		Y	6.46	72.20	21.80		50.0	
		Z	6.42	72.96	22.16		50.0	
10307-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)	X	6.90	72.53	21.65	6.02	50.0	± 9.6 %
		Y	6.56	72.94	21.96		50.0	
		Z	6.60	74.01	22.47		50.0	
10308-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	X	8.34	78.40	24.71	6.02	50.0	± 9.6 %
		Y	6.64	73.45	22.20		50.0	
		Z	6.72	74.67	22.79		50.0	
10309-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols)	X	6.90	72.11	21.67	6.02	50.0	± 9.6 %
		Y	6.58	72.55	21.99		50.0	
		Z	6.04	70.54	20.71		50.0	
10310-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)	X	6.80	72.04	21.52	6.02	50.0	± 9.6 %
		Y	6.49	72.47	21.83		50.0	
		Z	6.49	73.39	22.28		50.0	
10311-AAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	3.17	68.75	15.88	0.00	150.0	± 9.6 %
		Y	3.23	69.81	16.44		150.0	
		Z	2.97	68.18	15.61		150.0	
10313-AAA	iDEN 1:3	X	6.74	76.04	17.97	6.99	70.0	± 9.6 %
		Y	7.79	79.21	18.82		70.0	
		Z	6.82	77.20	17.86		70.0	
10314-AAA	iDEN 1:6	X	8.00	79.76	21.67	10.00	30.0	± 9.6 %
		Y	10.75	86.55	23.85		30.0	
		Z	9.71	84.90	23.09		30.0	
10315-AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	X	1.12	64.06	15.04	0.17	150.0	± 9.6 %
		Y	1.14	64.95	15.76		150.0	
		Z	1.08	63.76	14.72		150.0	
10316-AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	X	4.77	66.78	16.30	0.17	150.0	± 9.6 %
		Y	4.69	67.03	16.45		150.0	
		Z	4.61	66.76	16.22		150.0	
10317-AAC	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	X	4.77	66.78	16.30	0.17	150.0	± 9.6 %
		Y	4.69	67.03	16.45		150.0	
		Z	4.61	66.76	16.22		150.0	
10400-AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	X	4.87	67.00	16.19	0.00	150.0	± 9.6 %
		Y	4.78	67.26	16.35		150.0	
		Z	4.68	66.94	16.11		150.0	
10401-AAD	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	X	5.48	67.07	16.28	0.00	150.0	± 9.6 %
		Y	5.44	67.39	16.48		150.0	
		Z	5.39	67.23	16.34		150.0	

Certificate No: ES3-3335_Jul18

Page 24 of 39

ES3DV3- SN:3335

July 26, 2018

10402-AAD	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	X	5.80	67.66	16.42	0.00	150.0	± 9.6 %
		Y	5.72	67.80	16.53		150.0	
		Z	5.64	67.51	16.33		150.0	
10403-AAB	CDMA2000 (1xEV-DO, Rev. 0)	X	1.52	68.00	14.19	0.00	115.0	± 9.6 %
		Y	1.62	70.12	14.87		115.0	
		Z	1.24	66.46	12.53		115.0	
10404-AAB	CDMA2000 (1xEV-DO, Rev. A)	X	1.52	68.00	14.19	0.00	115.0	± 9.6 %
		Y	1.62	70.12	14.87		115.0	
		Z	1.24	66.46	12.53		115.0	
10406-AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	X	13.02	94.22	24.64	0.00	100.0	± 9.6 %
		Y	100.00	121.00	30.32		100.0	
		Z	100.00	120.40	29.89		100.0	
10410-AAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4)	X	84.92	117.36	30.21	3.23	80.0	± 9.6 %
		Y	100.00	120.07	30.33		80.0	
		Z	100.00	119.57	29.93		80.0	
10415-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	X	0.97	62.52	14.13	0.00	150.0	± 9.6 %
		Y	1.00	63.37	14.84		150.0	
		Z	0.95	62.37	13.86		150.0	
10416-AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	X	4.66	66.59	16.12	0.00	150.0	± 9.6 %
		Y	4.59	66.87	16.28		150.0	
		Z	4.51	66.60	16.05		150.0	
10417-AAB	IEEE 802.11a/n WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	X	4.66	66.59	16.12	0.00	150.0	± 9.6 %
		Y	4.59	66.87	16.28		150.0	
		Z	4.51	66.60	16.05		150.0	
10418-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preamble)	X	4.64	66.71	16.12	0.00	150.0	± 9.6 %
		Y	4.58	67.02	16.29		150.0	
		Z	4.50	66.74	16.06		150.0	
10419-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preamble)	X	4.67	66.68	16.13	0.00	150.0	± 9.6 %
		Y	4.60	66.98	16.30		150.0	
		Z	4.52	66.70	16.06		150.0	
10422-AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	X	4.80	66.70	16.16	0.00	150.0	± 9.6 %
		Y	4.72	66.98	16.31		150.0	
		Z	4.64	66.71	16.09		150.0	
10423-AAB	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	X	5.01	67.10	16.31	0.00	150.0	± 9.6 %
		Y	4.91	67.33	16.44		150.0	
		Z	4.81	67.04	16.21		150.0	
10424-AAB	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	X	4.91	67.03	16.26	0.00	150.0	± 9.6 %
		Y	4.82	67.28	16.41		150.0	
		Z	4.73	66.98	16.18		150.0	
10425-AAB	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	X	5.49	67.42	16.45	0.00	150.0	± 9.6 %
		Y	5.41	67.62	16.59		150.0	
		Z	5.35	67.39	16.42		150.0	
10426-AAB	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	X	5.50	67.45	16.46	0.00	150.0	± 9.6 %
		Y	5.42	67.62	16.59		150.0	
		Z	5.35	67.41	16.42		150.0	

Certificate No: ES3-3335_Jul18

Page 25 of 39

ES3DV3- SN:3335

July 26, 2018

10427-AAB	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	X	5.52	67.47	16.46	0.00	150.0	± 9.6 %
		Y	5.43	67.61	16.57		150.0	
		Z	5.36	67.38	16.40		150.0	
10430-AAC	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	X	4.34	69.94	17.94	0.00	150.0	± 9.6 %
		Y	4.25	70.48	18.04		150.0	
		Z	4.15	70.26	17.76		150.0	
10431-AAC	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	X	4.40	67.09	16.17	0.00	150.0	± 9.6 %
		Y	4.30	67.44	16.32		150.0	
		Z	4.19	67.08	16.00		150.0	
10432-AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	X	4.69	67.04	16.22	0.00	150.0	± 9.6 %
		Y	4.59	67.32	16.37		150.0	
		Z	4.49	67.00	16.10		150.0	
10433-AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	X	4.93	67.08	16.29	0.00	150.0	± 9.6 %
		Y	4.84	67.31	16.43		150.0	
		Z	4.74	67.02	16.20		150.0	
10434-AAA	W-CDMA (BS Test Model 1, 64 DPCH)	X	4.41	70.56	17.91	0.00	150.0	± 9.6 %
		Y	4.34	71.25	18.02		150.0	
		Z	4.21	70.95	17.66		150.0	
10435-AAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	78.80	116.15	29.89	3.23	80.0	± 9.6 %
		Y	100.00	119.89	30.25		80.0	
		Z	100.00	119.39	29.84		80.0	
10447-AAC	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	3.70	67.03	15.66	0.00	150.0	± 9.6 %
		Y	3.61	67.49	15.75		150.0	
		Z	3.46	66.93	15.24		150.0	
10448-AAC	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	X	4.21	66.85	16.02	0.00	150.0	± 9.6 %
		Y	4.13	67.22	16.18		150.0	
		Z	4.02	66.84	15.85		150.0	
10449-AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	X	4.47	66.85	16.11	0.00	150.0	± 9.6 %
		Y	4.39	67.14	16.26		150.0	
		Z	4.30	66.81	15.99		150.0	
10450-AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	4.64	66.81	16.13	0.00	150.0	± 9.6 %
		Y	4.58	67.07	16.28		150.0	
		Z	4.50	66.76	16.04		150.0	
10451-AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	X	3.63	67.27	15.42	0.00	150.0	± 9.6 %
		Y	3.52	67.73	15.44		150.0	
		Z	3.34	67.04	14.82		150.0	
10456-AAB	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	X	6.35	68.07	16.65	0.00	150.0	± 9.6 %
		Y	6.27	68.18	16.74		150.0	
		Z	6.21	67.96	16.58		150.0	
10457-AAA	UMTS-FDD (DC-HSDPA)	X	3.83	65.23	15.85	0.00	150.0	± 9.6 %
		Y	3.81	65.50	16.00		150.0	
		Z	3.75	65.23	15.75		150.0	
10458-AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	X	3.97	69.41	17.26	0.00	150.0	± 9.6 %
		Y	3.98	70.51	17.49		150.0	
		Z	3.84	70.13	17.02		150.0	
10459-AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	X	5.18	67.41	17.90	0.00	150.0	± 9.6 %
		Y	5.05	67.87	17.93		150.0	
		Z	4.98	67.95	17.84		150.0	

Certificate No: ES3-3335_Jul18

Page 26 of 39

ES3DV3-- SN:3335

July 26, 2018

10460-AAA	UMTS-FDD (WCDMA, AMR)	X	0.83	66.71	14.98	0.00	150.0	± 9.6 %
		Y	0.95	69.68	16.80		150.0	
		Z	0.77	66.01	14.34		150.0	
10461-AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	120.98	31.43	3.29	80.0	± 9.6 %
		Y	100.00	124.61	32.47		80.0	
		Z	100.00	123.44	31.77		80.0	
10462-AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	60.66	103.75	24.66	3.23	80.0	± 9.6 %
		Y	100.00	108.58	24.83		80.0	
		Z	100.00	107.04	24.00		80.0	
10463-AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	21.23	89.89	20.61	3.23	80.0	± 9.6 %
		Y	100.00	105.42	23.32		80.0	
		Z	10.80	81.97	17.07		80.0	
10464-AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	119.35	30.53	3.23	80.0	± 9.6 %
		Y	100.00	122.62	31.39		80.0	
		Z	100.00	121.26	30.61		80.0	
10465-AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	34.20	96.72	22.83	3.23	80.0	± 9.6 %
		Y	100.00	108.06	24.58		80.0	
		Z	44.61	98.16	21.85		80.0	
10466-AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	14.52	85.38	19.27	3.23	80.0	± 9.6 %
		Y	97.13	104.66	23.04		80.0	
		Z	6.89	77.32	15.59		80.0	
10467-AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	119.52	30.61	3.23	80.0	± 9.6 %
		Y	100.00	122.84	31.49		80.0	
		Z	100.00	121.49	30.71		80.0	
10468-AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	38.96	98.34	23.26	3.23	80.0	± 9.6 %
		Y	100.00	108.22	24.65		80.0	
		Z	60.39	101.44	22.65		80.0	
10469-AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	14.74	85.56	19.31	3.23	80.0	± 9.6 %
		Y	100.00	104.96	23.10		80.0	
		Z	6.99	77.48	15.64		80.0	
10470-AAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	119.54	30.61	3.23	80.0	± 9.6 %
		Y	100.00	122.87	31.50		80.0	
		Z	100.00	121.51	30.72		80.0	
10471-AAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	39.02	98.33	23.25	3.23	80.0	± 9.6 %
		Y	100.00	108.17	24.62		80.0	
		Z	59.50	101.24	22.58		80.0	
10472-AAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	14.74	85.55	19.30	3.23	80.0	± 9.6 %
		Y	100.00	104.90	23.07		80.0	
		Z	6.92	77.37	15.59		80.0	
10473-AAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	119.52	30.60	3.23	80.0	± 9.6 %
		Y	100.00	122.84	31.48		80.0	
		Z	100.00	121.48	30.70		80.0	
10474-AAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	38.49	98.18	23.21	3.23	80.0	± 9.6 %
		Y	100.00	108.18	24.62		80.0	
		Z	57.96	100.97	22.52		80.0	
10475-AAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	14.59	85.44	19.27	3.23	80.0	± 9.6 %
		Y	99.66	104.88	23.06		80.0	
		Z	6.85	77.27	15.56		80.0	

ES3DV3- SN:3335

July 26, 2018

10477-AAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	35.15	97.02	22.89	3.23	80.0	± 9.6 %
		Y	100.00	108.01	24.54		80.0	
		Z	46.46	98.54	21.92		80.0	
10478-AAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	14.42	85.29	19.22	3.23	80.0	± 9.6 %
		Y	95.55	104.41	22.95		80.0	
		Z	6.75	77.10	15.50		80.0	
10479-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	10.03	87.07	23.92	3.23	80.0	± 9.6 %
		Y	26.97	104.25	28.79		80.0	
		Z	20.45	99.32	27.01		80.0	
10480-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	10.73	83.87	21.57	3.23	80.0	± 9.6 %
		Y	28.68	98.43	25.29		80.0	
		Z	18.36	91.71	22.98		80.0	
10481-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	9.85	82.07	20.70	3.23	80.0	± 9.6 %
		Y	21.36	93.38	23.51		80.0	
		Z	13.58	86.81	21.16		80.0	
10482-AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	5.18	76.41	19.00	2.23	80.0	± 9.6 %
		Y	6.43	80.69	20.25		80.0	
		Z	4.58	75.63	17.98		80.0	
10483-AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	7.96	79.77	20.32	2.23	80.0	± 9.6 %
		Y	10.83	84.89	21.50		80.0	
		Z	8.14	80.44	19.56		80.0	
10484-AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	7.57	78.83	19.99	2.23	80.0	± 9.6 %
		Y	9.57	82.93	20.87		80.0	
		Z	7.30	78.76	18.98		80.0	
10485-AAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	5.43	77.05	19.79	2.23	80.0	± 9.6 %
		Y	6.54	81.34	21.29		80.0	
		Z	5.08	77.38	19.52		80.0	
10486-AAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.72	72.26	17.76	2.23	80.0	± 9.6 %
		Y	4.92	74.06	18.24		80.0	
		Z	4.25	71.83	16.99		80.0	
10487-AAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.71	71.91	17.63	2.23	80.0	± 9.6 %
		Y	4.84	73.47	18.01		80.0	
		Z	4.21	71.35	16.79		80.0	
10488-AAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	5.53	75.87	19.72	2.23	80.0	± 9.6 %
		Y	6.05	78.77	20.95		80.0	
		Z	5.11	76.08	19.72		80.0	
10489-AAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.83	71.52	18.25	2.23	80.0	± 9.6 %
		Y	4.85	72.82	18.80		80.0	
		Z	4.46	71.48	18.03		80.0	
10490-AAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.90	71.22	18.16	2.23	80.0	± 9.6 %
		Y	4.90	72.44	18.67		80.0	
		Z	4.53	71.22	17.95		80.0	
10491-AAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	5.44	73.81	19.03	2.23	80.0	± 9.6 %
		Y	5.64	75.67	19.92		80.0	
		Z	5.03	73.84	19.03		80.0	
10492-AAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.09	70.57	18.08	2.23	80.0	± 9.6 %
		Y	5.02	71.47	18.52		80.0	
		Z	4.71	70.48	17.94		80.0	

ES3DV3- SN:3335

July 26, 2018

10493-AAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.14	70.38	18.03	2.23	80.0	± 9.6 %
		Y	5.06	71.23	18.44		80.0	
		Z	4.77	70.30	17.89		80.0	
10494-AAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.01	75.49	19.49	2.23	80.0	± 9.6 %
		Y	6.38	77.73	20.51		80.0	
		Z	5.54	75.47	19.49		80.0	
10495-AAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.18	71.13	18.28	2.23	80.0	± 9.6 %
		Y	5.12	72.03	18.75		80.0	
		Z	4.78	70.94	18.15		80.0	
10496-AAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.22	70.74	18.18	2.23	80.0	± 9.6 %
		Y	5.14	71.56	18.60		80.0	
		Z	4.83	70.58	18.05		80.0	
10497-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.32	73.93	17.50	2.23	80.0	± 9.6 %
		Y	4.82	76.27	17.85		80.0	
		Z	3.23	70.74	15.19		80.0	
10498-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.59	68.87	14.71	2.23	80.0	± 9.6 %
		Y	3.13	67.96	13.62		80.0	
		Z	2.34	64.42	11.50		80.0	
10499-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.55	68.42	14.41	2.23	80.0	± 9.6 %
		Y	3.00	67.16	13.14		80.0	
		Z	2.27	63.82	11.08		80.0	
10500-AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	5.31	76.04	19.59	2.23	80.0	± 9.6 %
		Y	6.08	79.63	20.94		80.0	
		Z	4.97	76.44	19.47		80.0	
10501-AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.75	71.84	17.90	2.23	80.0	± 9.6 %
		Y	4.88	73.46	18.41		80.0	
		Z	4.35	71.70	17.39		80.0	
10502-AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.79	71.61	17.78	2.23	80.0	± 9.6 %
		Y	4.90	73.15	18.24		80.0	
		Z	4.39	71.46	17.25		80.0	
10503-AAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	5.46	75.67	19.63	2.23	80.0	± 9.6 %
		Y	5.96	78.54	20.85		80.0	
		Z	5.04	75.86	19.62		80.0	
10504-AAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.81	71.44	18.20	2.23	80.0	± 9.6 %
		Y	4.83	72.73	18.75		80.0	
		Z	4.43	71.38	17.97		80.0	
10505-AAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.88	71.13	18.11	2.23	80.0	± 9.6 %
		Y	4.87	72.35	18.62		80.0	
		Z	4.50	71.12	17.89		80.0	
10506-AAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	5.96	75.35	19.42	2.23	80.0	± 9.6 %
		Y	6.32	77.56	20.43		80.0	
		Z	5.49	75.31	19.42		80.0	
10507-AAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.16	71.07	18.25	2.23	80.0	± 9.6 %
		Y	5.10	71.97	18.72		80.0	
		Z	4.76	70.87	18.11		80.0	

Certificate No: ES3-3335_Jul18

Page 29 of 39