

10184-CAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	2.60	67.57	18.18	3.01	150.0	± 9.6 %
		Y	2.58	67.63	18.37		150.0	
		Z	2.54	67.12	18.00		150.0	
10185-CAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	X	3.57	74.57	21.26	3.01	150.0	± 9.6 %
		Y	3.45	74.37	21.35		150.0	
		Z	3.36	73.66	20.96		150.0	
10186-AAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	X	2.81	69.58	17.93	3.01	150.0	± 9.6 %
		Y	2.79	69.86	18.26		150.0	
		Z	2.68	68.85	17.65		150.0	
10187-CAD	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	2.61	67.66	18.27	3.01	150.0	± 9.6 %
		Y	2.59	67.72	18.46		150.0	
		Z	2.55	67.21	18.09		150.0	
10188-CAD	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	3.70	75.36	21.71	3.01	150.0	± 9.6 %
		Y	3.56	75.05	21.74		150.0	
		Z	3.49	74.43	21.41		150.0	
10189-AAD	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	2.88	70.03	18.23	3.01	150.0	± 9.6 %
		Y	2.85	70.29	18.55		150.0	
		Z	2.74	69.27	17.94		150.0	
10193-CAB	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	X	4.34	66.89	16.12	0.00	150.0	± 9.6 %
		Y	4.37	66.96	16.21		150.0	
		Z	4.34	66.91	16.13		150.0	
10194-CAB	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	X	4.47	67.10	16.25	0.00	150.0	± 9.6 %
		Y	4.50	67.17	16.34		150.0	
		Z	4.46	67.10	16.26		150.0	
10195-CAB	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	X	4.50	67.10	16.26	0.00	150.0	± 9.6 %
		Y	4.53	67.18	16.35		150.0	
		Z	4.49	67.10	16.27		150.0	
10196-CAB	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	X	4.32	66.87	16.10	0.00	150.0	± 9.6 %
		Y	4.35	66.94	16.19		150.0	
		Z	4.31	66.88	16.11		150.0	
10197-CAB	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	X	4.48	67.09	16.25	0.00	150.0	± 9.6 %
		Y	4.51	67.17	16.34		150.0	
		Z	4.47	67.10	16.27		150.0	
10198-CAB	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	X	4.50	67.09	16.26	0.00	150.0	± 9.6 %
		Y	4.52	67.17	16.35		150.0	
		Z	4.48	67.10	16.27		150.0	
10219-CAB	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	X	4.28	66.92	16.08	0.00	150.0	± 9.6 %
		Y	4.31	66.99	16.17		150.0	
		Z	4.27	66.93	16.09		150.0	
10220-CAB	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	X	4.47	67.06	16.24	0.00	150.0	± 9.6 %
		Y	4.50	67.13	16.33		150.0	
		Z	4.46	67.06	16.25		150.0	
10221-CAB	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	X	4.51	67.05	16.25	0.00	150.0	± 9.6 %
		Y	4.54	67.12	16.34		150.0	
		Z	4.50	67.05	16.26		150.0	
10222-CAB	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	X	4.90	67.09	16.38	0.00	150.0	± 9.6 %
		Y	4.92	67.16	16.47		150.0	
		Z	4.89	67.09	16.41		150.0	

10223-CAB	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	X	5.14	67.23	16.46	0.00	150.0	± 9.6 %
		Y	5.17	67.30	16.55		150.0	
		Z	5.13	67.21	16.47		150.0	
10224-CAB	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	X	4.93	67.22	16.38	0.00	150.0	± 9.6 %
		Y	4.96	67.28	16.46		150.0	
		Z	4.93	67.22	16.40		150.0	
10225-CAB	UMTS-FDD (HSPA+)	X	2.62	66.31	14.82	0.00	150.0	± 9.6 %
		Y	2.66	66.52	15.02		150.0	
		Z	2.61	66.30	14.77		150.0	
10226-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	6.48	84.45	23.47	6.02	65.0	± 9.6 %
		Y	7.14	87.35	24.90		65.0	
		Z	5.23	81.91	22.96		65.0	
10227-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	6.16	82.63	22.19	6.02	65.0	± 9.6 %
		Y	6.82	85.45	23.56		65.0	
		Z	5.09	80.65	21.86		65.0	
10228-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	4.45	80.06	23.79	6.02	65.0	± 9.6 %
		Y	4.60	81.69	24.86		65.0	
		Z	3.70	77.27	23.00		65.0	
10229-CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	X	6.12	83.36	23.00	6.02	65.0	± 9.6 %
		Y	6.72	86.19	24.41		65.0	
		Z	4.96	80.92	22.50		65.0	
10230-CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	X	5.79	81.58	21.75	6.02	65.0	± 9.6 %
		Y	6.38	84.30	23.09		65.0	
		Z	4.80	79.65	21.42		65.0	
10231-CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	4.29	79.30	23.42	6.02	65.0	± 9.6 %
		Y	4.43	80.94	24.49		65.0	
		Z	3.58	76.59	22.64		65.0	
10232-CAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	X	6.11	83.34	23.00	6.02	65.0	± 9.6 %
		Y	6.71	86.18	24.41		65.0	
		Z	4.95	80.90	22.50		65.0	
10233-CAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	X	5.77	81.55	21.74	6.02	65.0	± 9.6 %
		Y	6.36	84.27	23.09		65.0	
		Z	4.79	79.62	21.41		65.0	
10234-CAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	4.16	78.66	23.05	6.02	65.0	± 9.6 %
		Y	4.31	80.31	24.14		65.0	
		Z	3.49	76.04	22.30		65.0	
10235-CAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	6.11	83.36	23.00	6.02	65.0	± 9.6 %
		Y	6.72	86.20	24.42		65.0	
		Z	4.95	80.91	22.50		65.0	
10236-CAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	5.82	81.66	21.77	6.02	65.0	± 9.6 %
		Y	6.43	84.41	23.13		65.0	
		Z	4.83	79.73	21.44		65.0	
10237-CAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	4.28	79.31	23.42	6.02	65.0	± 9.6 %
		Y	4.43	80.96	24.51		65.0	
		Z	3.57	76.59	22.65		65.0	
10238-CAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	6.09	83.32	22.99	6.02	65.0	± 9.6 %
		Y	6.69	86.15	24.40		65.0	
		Z	4.94	80.87	22.48		65.0	

10239-CAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	5.75	81.51	21.73	6.02	65.0	± 9.6 %
		Y	6.34	84.22	23.07		65.0	
		Z	4.77	79.58	21.39		65.0	
10240-CAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	4.28	79.29	23.41	6.02	65.0	± 9.6 %
		Y	4.42	80.94	24.50		65.0	
		Z	3.57	76.57	22.64		65.0	
10241-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	6.77	79.45	24.10	6.98	65.0	± 9.6 %
		Y	6.85	80.27	24.72		65.0	
		Z	6.13	77.95	23.67		65.0	
10242-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	6.14	77.59	23.28	6.98	65.0	± 9.6 %
		Y	6.25	78.54	23.96		65.0	
		Z	4.91	73.61	21.77		65.0	
10243-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	5.06	74.01	22.62	6.98	65.0	± 9.6 %
		Y	5.14	74.80	23.27		65.0	
		Z	4.28	70.67	21.23		65.0	
10244-CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	3.23	66.79	12.34	3.98	65.0	± 9.6 %
		Y	3.28	67.33	12.79		65.0	
		Z	2.96	66.23	12.11		65.0	
10245-CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	3.19	66.42	12.11	3.98	65.0	± 9.6 %
		Y	3.22	66.91	12.53		65.0	
		Z	2.93	65.87	11.87		65.0	
10246-CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	2.96	68.62	13.78	3.98	65.0	± 9.6 %
		Y	3.06	69.45	14.37		65.0	
		Z	2.72	68.15	13.68		65.0	
10247-CAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	3.59	68.52	14.48	3.98	65.0	± 9.6 %
		Y	3.63	68.99	14.89		65.0	
		Z	3.34	68.01	14.32		65.0	
10248-CAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	3.58	68.09	14.27	3.98	65.0	± 9.6 %
		Y	3.61	68.50	14.66		65.0	
		Z	3.33	67.54	14.09		65.0	
10249-CAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	4.18	73.60	17.26	3.98	65.0	± 9.6 %
		Y	4.38	74.81	17.99		65.0	
		Z	3.80	72.97	17.18		65.0	
10250-CAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	4.93	73.22	18.87	3.98	65.0	± 9.6 %
		Y	4.93	73.57	19.23		65.0	
		Z	4.57	72.45	18.70		65.0	
10251-CAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	4.63	71.06	17.52	3.98	65.0	± 9.6 %
		Y	4.65	71.45	17.89		65.0	
		Z	4.30	70.32	17.31		65.0	
10252-CAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	5.25	76.57	19.99	3.98	65.0	± 9.6 %
		Y	5.40	77.56	20.62		65.0	
		Z	4.75	75.64	19.84		65.0	
10253-CAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	4.96	71.14	18.18	3.98	65.0	± 9.6 %
		Y	4.96	71.44	18.50		65.0	
		Z	4.63	70.37	17.96		65.0	
10254-CAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	5.31	72.19	18.96	3.98	65.0	± 9.6 %
		Y	5.29	72.43	19.26		65.0	
		Z	4.96	71.40	18.75		65.0	



10255- CAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	5.33	74.86	19.75	3.98	65.0	± 9.6 %
		Y	5.39	75.47	20.21		65.0	
		Z	4.90	73.99	19.59		65.0	
10256- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	2.38	63.32	9.37	3.98	65.0	± 9.6 %
		Y	2.38	63.59	9.67		65.0	
		Z	2.18	62.86	9.11		65.0	
10257- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	2.36	63.00	9.11	3.98	65.0	± 9.6 %
		Y	2.36	63.24	9.38		65.0	
		Z	2.17	62.55	8.84		65.0	
10258- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	2.16	64.45	10.62	3.98	65.0	± 9.6 %
		Y	2.18	64.85	11.00		65.0	
		Z	1.99	64.02	10.45		65.0	
10259- CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	4.09	70.30	16.08	3.98	65.0	± 9.6 %
		Y	4.13	70.78	16.51		65.0	
		Z	3.80	69.71	15.93		65.0	
10260- CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	4.13	70.10	15.99	3.98	65.0	± 9.6 %
		Y	4.16	70.56	16.39		65.0	
		Z	3.84	69.52	15.83		65.0	
10261- CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	4.48	74.35	18.15	3.98	65.0	± 9.6 %
		Y	4.65	75.44	18.83		65.0	
		Z	4.08	73.63	18.05		65.0	
10262- CAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	4.91	73.13	18.81	3.98	65.0	± 9.6 %
		Y	4.91	73.49	19.17		65.0	
		Z	4.55	72.36	18.64		65.0	
10263- CAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	4.63	71.04	17.51	3.98	65.0	± 9.6 %
		Y	4.64	71.43	17.88		65.0	
		Z	4.30	70.31	17.31		65.0	
10264- CAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	5.19	76.37	19.88	3.98	65.0	± 9.6 %
		Y	5.35	77.36	20.52		65.0	
		Z	4.70	75.44	19.74		65.0	
10265- CAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	5.02	71.45	18.45	3.98	65.0	± 9.6 %
		Y	5.02	71.77	18.78		65.0	
		Z	4.68	70.65	18.23		65.0	
10266- CAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	5.43	72.69	19.37	3.98	65.0	± 9.6 %
		Y	5.41	72.93	19.66		65.0	
		Z	5.06	71.87	19.16		65.0	
10267- CAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	5.52	75.30	19.82	3.98	65.0	± 9.6 %
		Y	5.60	75.96	20.29		65.0	
		Z	5.07	74.46	19.68		65.0	
10268- CAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	5.75	71.95	19.26	3.98	65.0	± 9.6 %
		Y	5.72	72.12	19.51		65.0	
		Z	5.40	71.15	19.04		65.0	
10269- CAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	5.78	71.69	19.18	3.98	65.0	± 9.6 %
		Y	5.74	71.84	19.41		65.0	
		Z	5.43	70.91	18.96		65.0	
10270- CAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	5.71	73.67	19.40	3.98	65.0	± 9.6 %
		Y	5.72	74.02	19.72		65.0	
		Z	5.33	72.93	19.27		65.0	

10274-CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	X	2.47	66.92	14.90	0.00	150.0	± 9.6 %
		Y	2.52	67.22	15.16		150.0	
		Z	2.46	66.92	14.87		150.0	
10275-CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	X	1.51	67.86	15.29	0.00	150.0	± 9.6 %
		Y	1.59	68.65	15.81		150.0	
		Z	1.51	67.83	15.27		150.0	
10277-CAA	PHS (QPSK)	X	1.93	60.30	5.80	9.03	50.0	± 9.6 %
		Y	1.90	60.39	5.82		50.0	
		Z	1.85	60.15	5.70		50.0	
10278-CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	X	2.95	64.62	10.30	9.03	50.0	± 9.6 %
		Y	2.95	64.90	10.48		50.0	
		Z	2.89	64.62	10.32		50.0	
10279-CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	X	3.00	64.77	10.42	9.03	50.0	± 9.6 %
		Y	3.00	65.06	10.62		50.0	
		Z	2.93	64.75	10.45		50.0	
10290-AAB	CDMA2000, RC1, SO55, Full Rate	X	0.97	65.51	10.99	0.00	150.0	± 9.6 %
		Y	1.07	66.68	11.73		150.0	
		Z	0.93	65.15	10.70		150.0	
10291-AAB	CDMA2000, RC3, SO55, Full Rate	X	0.65	64.31	10.33	0.00	150.0	± 9.6 %
		Y	0.71	65.39	11.08		150.0	
		Z	0.64	64.16	10.15		150.0	
10292-AAB	CDMA2000, RC3, SO32, Full Rate	X	0.98	69.87	13.37	0.00	150.0	± 9.6 %
		Y	1.27	73.08	14.92		150.0	
		Z	0.97	69.74	13.20		150.0	
10293-AAB	CDMA2000, RC3, SO3, Full Rate	X	3.47	85.51	19.51	0.00	150.0	± 9.6 %
		Y	8.72	97.43	23.23		150.0	
		Z	3.75	86.24	19.59		150.0	
10295-AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	X	9.05	80.79	19.88	9.03	50.0	± 9.6 %
		Y	10.39	83.34	20.97		50.0	
		Z	10.43	83.10	20.75		50.0	
10297-AAB	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	2.52	69.33	16.53	0.00	150.0	± 9.6 %
		Y	2.60	69.81	16.85		150.0	
		Z	2.51	69.27	16.53		150.0	
10298-AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	1.13	65.04	11.44	0.00	150.0	± 9.6 %
		Y	1.21	65.84	12.00		150.0	
		Z	1.10	64.74	11.18		150.0	
10299-AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	1.48	63.88	9.66	0.00	150.0	± 9.6 %
		Y	1.56	64.58	10.18		150.0	
		Z	1.37	63.27	9.22		150.0	
10300-AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	1.17	61.20	7.51	0.00	150.0	± 9.6 %
		Y	1.21	61.53	7.83		150.0	
		Z	1.11	60.84	7.18		150.0	
10301-AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	X	4.17	64.58	16.68	4.17	50.0	± 9.6 %
		Y	4.21	64.70	16.82		50.0	
		Z	4.18	64.69	16.72		50.0	
10302-AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols)	X	4.78	65.73	17.66	4.96	50.0	± 9.6 %
		Y	4.81	65.86	17.81		50.0	
		Z	4.78	65.91	17.76		50.0	

10303-AAA	IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	X	4.55	65.41	17.46	4.96	50.0	± 9.6 %
		Y	4.58	65.52	17.61		50.0	
		Z	4.56	65.64	17.60		50.0	
10304-AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	X	4.38	65.40	17.04	4.17	50.0	± 9.6 %
		Y	4.41	65.50	17.18		50.0	
		Z	4.35	65.34	16.99		50.0	
10305-AAA	IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)	X	4.06	67.11	18.40	6.02	35.0	± 9.6 %
		Y	4.05	67.17	18.58		35.0	
		Z	4.03	67.01	18.26		35.0	
10306-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)	X	4.35	66.21	18.28	6.02	35.0	± 9.6 %
		Y	4.35	66.28	18.44		35.0	
		Z	4.33	66.18	18.21		35.0	
10307-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)	X	4.24	66.25	18.19	6.02	35.0	± 9.6 %
		Y	4.24	66.31	18.35		35.0	
		Z	4.22	66.21	18.11		35.0	
10308-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	X	4.22	66.45	18.33	6.02	35.0	± 9.6 %
		Y	4.22	66.51	18.50		35.0	
		Z	4.20	66.39	18.25		35.0	
10309-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols)	X	4.35	66.23	18.34	6.02	35.0	± 9.6 %
		Y	4.36	66.31	18.52		35.0	
		Z	4.33	66.20	18.27		35.0	
10310-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)	X	4.30	66.28	18.28	6.02	35.0	± 9.6 %
		Y	4.31	66.35	18.44		35.0	
		Z	4.29	66.25	18.21		35.0	
10311-AAB	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	2.88	68.59	16.20	0.00	150.0	± 9.6 %
		Y	2.96	69.02	16.48		150.0	
		Z	2.87	68.53	16.21		150.0	
10313-AAA	iDEN 1:3	X	2.75	69.55	14.37	6.99	70.0	± 9.6 %
		Y	2.79	70.41	14.91		70.0	
		Z	2.48	69.40	14.66		70.0	
10314-AAA	iDEN 1:6	X	3.88	75.45	19.52	10.00	30.0	± 9.6 %
		Y	4.05	76.79	20.24		30.0	
		Z	4.02	76.95	20.46		30.0	
10315-AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	X	1.08	63.66	14.90	0.17	150.0	± 9.6 %
		Y	1.10	63.98	15.23		150.0	
		Z	1.08	63.57	14.89		150.0	
10316-AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	X	4.34	66.68	16.09	0.17	150.0	± 9.6 %
		Y	4.37	66.78	16.20		150.0	
		Z	4.33	66.69	16.11		150.0	
10317-AAB	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	X	4.34	66.68	16.09	0.17	150.0	± 9.6 %
		Y	4.37	66.78	16.20		150.0	
		Z	4.33	66.69	16.11		150.0	
10400-AAC	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	X	4.42	67.04	16.19	0.00	150.0	± 9.6 %
		Y	4.45	67.14	16.30		150.0	
		Z	4.40	67.03	16.20		150.0	
10401-AAC	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	X	5.09	66.82	16.20	0.00	150.0	± 9.6 %
		Y	5.11	66.90	16.30		150.0	
		Z	5.07	66.79	16.21		150.0	



10402-AAC	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	X	5.45	67.43	16.42	0.00	150.0	± 9.6 %
		Y	5.48	67.49	16.50		150.0	
		Z	5.45	67.42	16.44		150.0	
10403-AAB	CDMA2000 (1xEV-DO, Rev. 0)	X	0.97	65.51	10.99	0.00	115.0	± 9.6 %
		Y	1.07	66.68	11.73		115.0	
		Z	0.93	65.15	10.70		115.0	
10404-AAB	CDMA2000 (1xEV-DO, Rev. A)	X	0.97	65.51	10.99	0.00	115.0	± 9.6 %
		Y	1.07	66.68	11.73		115.0	
		Z	0.93	65.15	10.70		115.0	
10406-AAB	CDMA2000, RC3, SC32, SCH0, Full Rate	X	100.00	114.78	26.32	0.00	100.0	± 9.6 %
		Y	100.00	116.57	27.06		100.0	
		Z	100.00	115.47	26.53		100.0	
10410-AAB	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.10	80.03	17.90	3.23	80.0	± 9.6 %
		Y	6.73	87.51	20.67		80.0	
		Z	3.49	79.61	18.20		80.0	
10415-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	X	1.03	63.15	14.59	0.00	150.0	± 9.6 %
		Y	1.05	63.48	14.92		150.0	
		Z	1.03	63.15	14.60		150.0	
10416-AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	X	4.33	66.85	16.18	0.00	150.0	± 9.6 %
		Y	4.36	66.92	16.27		150.0	
		Z	4.32	66.85	16.19		150.0	
10417-AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	X	4.33	66.85	16.18	0.00	150.0	± 9.6 %
		Y	4.36	66.92	16.27		150.0	
		Z	4.32	66.85	16.19		150.0	
10418-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preamble)	X	4.33	67.06	16.24	0.00	150.0	± 9.6 %
		Y	4.35	67.14	16.34		150.0	
		Z	4.32	67.07	16.26		150.0	
10419-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preamble)	X	4.34	66.99	16.22	0.00	150.0	± 9.6 %
		Y	4.37	67.06	16.32		150.0	
		Z	4.33	67.00	16.24		150.0	
10422-AAA	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	X	4.44	66.96	16.23	0.00	150.0	± 9.6 %
		Y	4.47	67.03	16.33		150.0	
		Z	4.44	66.97	16.25		150.0	
10423-AAA	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	X	4.56	67.20	16.31	0.00	150.0	± 9.6 %
		Y	4.59	67.28	16.41		150.0	
		Z	4.55	67.20	16.33		150.0	
10424-AAA	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	X	4.49	67.15	16.29	0.00	150.0	± 9.6 %
		Y	4.52	67.23	16.39		150.0	
		Z	4.48	67.15	16.30		150.0	
10425-AAA	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	X	5.12	67.29	16.47	0.00	150.0	± 9.6 %
		Y	5.15	67.38	16.57		150.0	
		Z	5.11	67.27	16.48		150.0	
10426-AAA	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	X	5.14	67.37	16.51	0.00	150.0	± 9.6 %
		Y	5.17	67.45	16.59		150.0	
		Z	5.13	67.38	16.53		150.0	

10427-AAA	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	X	5.10	67.17	16.41	0.00	150.0	± 9.6 %
		Y	5.13	67.24	16.49		150.0	
		Z	5.10	67.18	16.43		150.0	
10430-AAA	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	X	4.45	73.55	18.83	0.00	150.0	± 9.6 %
		Y	4.36	73.07	18.66		150.0	
		Z	4.51	73.93	18.97		150.0	
10431-AAA	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	X	3.93	67.43	16.02	0.00	150.0	± 9.6 %
		Y	3.96	67.55	16.14		150.0	
		Z	3.91	67.44	16.01		150.0	
10432-AAA	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	X	4.25	67.26	16.21	0.00	150.0	± 9.6 %
		Y	4.29	67.35	16.32		150.0	
		Z	4.24	67.26	16.22		150.0	
10433-AAA	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	X	4.51	67.19	16.32	0.00	150.0	± 9.6 %
		Y	4.54	67.26	16.41		150.0	
		Z	4.50	67.19	16.33		150.0	
10434-AAA	W-CDMA (BS Test Model 1, 64 DPCH)	X	4.61	74.53	18.61	0.00	150.0	± 9.6 %
		Y	4.51	74.05	18.47		150.0	
		Z	4.68	74.88	18.71		150.0	
10435-AAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.91	79.35	17.61	3.23	80.0	± 9.6 %
		Y	6.25	86.43	20.28		80.0	
		Z	3.34	78.94	17.91		80.0	
10447-AAA	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	3.14	67.14	14.75	0.00	150.0	± 9.6 %
		Y	3.20	67.36	14.95		150.0	
		Z	3.12	67.09	14.67		150.0	
10448-AAA	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	X	3.80	67.24	15.90	0.00	150.0	± 9.6 %
		Y	3.84	67.36	16.03		150.0	
		Z	3.79	67.24	15.90		150.0	
10449-AAA	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	X	4.10	67.10	16.12	0.00	150.0	± 9.6 %
		Y	4.13	67.19	16.22		150.0	
		Z	4.09	67.10	16.13		150.0	
10450-AAA	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	4.32	66.97	16.18	0.00	150.0	± 9.6 %
		Y	4.35	67.05	16.27		150.0	
		Z	4.31	66.97	16.19		150.0	
10451-AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	X	2.91	66.74	13.90	0.00	150.0	± 9.6 %
		Y	2.97	67.02	14.13		150.0	
		Z	2.87	66.63	13.77		150.0	
10456-AAA	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	X	6.05	67.79	16.62	0.00	150.0	± 9.6 %
		Y	6.07	67.84	16.68		150.0	
		Z	6.06	67.83	16.67		150.0	
10457-AAA	UMTS-FDD (DC-HSDPA)	X	3.72	65.65	15.92	0.00	150.0	± 9.6 %
		Y	3.74	65.71	16.01		150.0	
		Z	3.72	65.68	15.93		150.0	
10458-AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	X	2.56	65.08	12.43	0.00	150.0	± 9.6 %
		Y	2.62	65.37	12.69		150.0	
		Z	2.50	64.84	12.20		150.0	
10459-AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	X	3.65	64.11	14.09	0.00	150.0	± 9.6 %
		Y	3.72	64.38	14.32		150.0	
		Z	3.61	64.01	13.94		150.0	



10460-AAA	UMTS-FDD (WCDMA, AMR)	X	0.87	67.88	15.88	0.00	150.0	± 9.6 %
		Y	0.94	69.24	16.74		150.0	
		Z	0.87	67.84	15.86		150.0	
10461-AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	1.73	71.22	15.78	3.29	80.0	± 9.6 %
		Y	2.48	76.95	18.34		80.0	
		Z	1.60	71.21	16.16		80.0	
10462-AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	0.76	60.00	7.08	3.23	80.0	± 9.6 %
		Y	0.72	60.00	7.19		80.0	
		Z	0.71	60.00	7.22		80.0	
10463-AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.78	60.00	6.47	3.23	80.0	± 9.6 %
		Y	0.74	60.00	6.54		80.0	
		Z	0.73	60.00	6.57		80.0	
10464-AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	1.37	68.23	13.96	3.23	80.0	± 9.6 %
		Y	1.86	72.93	16.20		80.0	
		Z	1.28	68.36	14.37		80.0	
10465-AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	0.76	60.00	7.02	3.23	80.0	± 9.6 %
		Y	0.72	60.00	7.12		80.0	
		Z	0.71	60.00	7.16		80.0	
10466-AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.78	60.00	6.44	3.23	80.0	± 9.6 %
		Y	0.74	60.00	6.50		80.0	
		Z	0.73	60.00	6.53		80.0	
10467-AAB	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	1.41	68.72	14.20	3.23	80.0	± 9.6 %
		Y	1.97	73.73	16.55		80.0	
		Z	1.32	68.86	14.63		80.0	
10468-AAB	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	0.76	60.00	7.04	3.23	80.0	± 9.6 %
		Y	0.72	60.00	7.14		80.0	
		Z	0.71	60.00	7.18		80.0	
10469-AAB	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.78	60.00	6.44	3.23	80.0	± 9.6 %
		Y	0.74	60.00	6.50		80.0	
		Z	0.73	60.00	6.54		80.0	
10470-AAB	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	1.41	68.72	14.19	3.23	80.0	± 9.6 %
		Y	1.97	73.75	16.55		80.0	
		Z	1.32	68.86	14.63		80.0	
10471-AAB	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	0.76	60.00	7.02	3.23	80.0	± 9.6 %
		Y	0.72	60.00	7.13		80.0	
		Z	0.71	60.00	7.17		80.0	
10472-AAB	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.78	60.00	6.42	3.23	80.0	± 9.6 %
		Y	0.74	60.00	6.48		80.0	
		Z	0.73	60.00	6.52		80.0	
10473-AAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	1.41	68.68	14.18	3.23	80.0	± 9.6 %
		Y	1.96	73.71	16.53		80.0	
		Z	1.31	68.82	14.61		80.0	
10474-AAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	0.76	60.00	7.02	3.23	80.0	± 9.6 %
		Y	0.72	60.00	7.13		80.0	
		Z	0.71	60.00	7.17		80.0	
10475-AAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.78	60.00	6.42	3.23	80.0	± 9.6 %
		Y	0.74	60.00	6.48		80.0	
		Z	0.73	60.00	6.52		80.0	

10477-AAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	0.76	60.00	7.00	3.23	80.0	± 9.6 %
		Y	0.72	60.00	7.10		80.0	
		Z	0.71	60.00	7.14		80.0	
10478-AAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.78	60.00	6.41	3.23	80.0	± 9.6 %
		Y	0.74	60.00	6.47		80.0	
		Z	0.73	60.00	6.51		80.0	
10479-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.51	75.91	18.12	3.23	80.0	± 9.6 %
		Y	4.65	80.42	20.02		80.0	
		Z	3.35	76.12	18.41		80.0	
10480-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.06	66.11	12.01	3.23	80.0	± 9.6 %
		Y	2.44	68.39	13.17		80.0	
		Z	2.00	66.36	12.23		80.0	
10481-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.64	63.45	10.41	3.23	80.0	± 9.6 %
		Y	1.83	64.88	11.25		80.0	
		Z	1.57	63.52	10.52		80.0	
10482-AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	1.34	62.39	10.63	2.23	80.0	± 9.6 %
		Y	1.43	63.31	11.29		80.0	
		Z	1.27	62.21	10.58		80.0	
10483-AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.46	60.79	8.98	2.23	80.0	± 9.6 %
		Y	1.54	61.54	9.56		80.0	
		Z	1.36	60.41	8.74		80.0	
10484-AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.45	60.53	8.83	2.23	80.0	± 9.6 %
		Y	1.53	61.21	9.38		80.0	
		Z	1.36	60.16	8.59		80.0	
10485-AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	1.93	66.25	13.91	2.23	80.0	± 9.6 %
		Y	2.08	67.57	14.73		80.0	
		Z	1.84	66.09	13.95		80.0	
10486-AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.94	63.48	11.80	2.23	80.0	± 9.6 %
		Y	2.04	64.22	12.34		80.0	
		Z	1.86	63.28	11.73		80.0	
10487-AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.96	63.26	11.66	2.23	80.0	± 9.6 %
		Y	2.04	63.94	12.17		80.0	
		Z	1.87	63.04	11.57		80.0	
10488-AAB	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.53	67.95	16.02	2.23	80.0	± 9.6 %
		Y	2.66	68.95	16.66		80.0	
		Z	2.42	67.64	16.03		80.0	
10489-AAB	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.77	66.35	15.13	2.23	80.0	± 9.6 %
		Y	2.84	66.94	15.57		80.0	
		Z	2.67	66.13	15.12		80.0	
10490-AAB	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.85	66.30	15.10	2.23	80.0	± 9.6 %
		Y	2.92	66.85	15.53		80.0	
		Z	2.75	66.08	15.09		80.0	
10491-AAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.93	67.67	16.24	2.23	80.0	± 9.6 %
		Y	3.03	68.38	16.73		80.0	
		Z	2.81	67.35	16.23		80.0	
10492-AAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.21	66.36	15.71	2.23	80.0	± 9.6 %
		Y	3.26	66.76	16.05		80.0	
		Z	3.11	66.10	15.68		80.0	

10493-AAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.27	66.30	15.68	2.23	80.0	± 9.6 %
		Y	3.32	66.68	16.01		80.0	
		Z	3.17	66.04	15.65		80.0	
10494-AAB	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.07	68.52	16.54	2.23	80.0	± 9.6 %
		Y	3.18	69.34	17.07		80.0	
		Z	2.94	68.19	16.54		80.0	
10495-AAB	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.24	66.58	15.93	2.23	80.0	± 9.6 %
		Y	3.29	66.98	16.26		80.0	
		Z	3.13	66.30	15.90		80.0	
10496-AAB	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.33	66.50	15.93	2.23	80.0	± 9.6 %
		Y	3.38	66.87	16.25		80.0	
		Z	3.23	66.23	15.91		80.0	
10497-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	1.02	60.00	7.99	2.23	80.0	± 9.6 %
		Y	1.01	60.00	8.17		80.0	
		Z	0.98	60.00	7.95		80.0	
10498-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.18	60.00	6.81	2.23	80.0	± 9.6 %
		Y	1.17	60.00	6.95		80.0	
		Z	1.14	60.00	6.72		80.0	
10499-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.20	60.00	6.66	2.23	80.0	± 9.6 %
		Y	1.19	60.00	6.79		80.0	
		Z	1.16	60.00	6.55		80.0	
10500-AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.18	67.02	14.79	2.23	80.0	± 9.6 %
		Y	2.32	68.22	15.55		80.0	
		Z	2.08	66.80	14.82		80.0	
10501-AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.31	64.90	13.20	2.23	80.0	± 9.6 %
		Y	2.41	65.65	13.74		80.0	
		Z	2.22	64.72	13.17		80.0	
10502-AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.34	64.77	13.06	2.23	80.0	± 9.6 %
		Y	2.43	65.49	13.58		80.0	
		Z	2.25	64.59	13.02		80.0	
10503-AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.51	67.79	15.92	2.23	80.0	± 9.6 %
		Y	2.63	68.78	16.57		80.0	
		Z	2.39	67.48	15.93		80.0	
10504-AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.75	66.25	15.06	2.23	80.0	± 9.6 %
		Y	2.83	66.84	15.51		80.0	
		Z	2.66	66.03	15.05		80.0	
10505-AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.83	66.21	15.04	2.23	80.0	± 9.6 %
		Y	2.91	66.76	15.47		80.0	
		Z	2.73	65.99	15.02		80.0	
10506-AAB	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.05	68.40	16.47	2.23	80.0	± 9.6 %
		Y	3.16	69.22	17.00		80.0	
		Z	2.92	68.07	16.47		80.0	
10507-AAB	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.22	66.51	15.89	2.23	80.0	± 9.6 %
		Y	3.27	66.92	16.22		80.0	
		Z	3.12	66.24	15.86		80.0	



10508-AAB	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.32	66.43	15.89	2.23	80.0	± 9.6 %
		Y	3.37	66.80	16.20		80.0	
		Z	3.21	66.16	15.86		80.0	
10509-AAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.55	68.19	16.49	2.23	80.0	± 9.6 %
		Y	3.64	68.78	16.90		80.0	
		Z	3.42	67.89	16.49		80.0	
10510-AAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.74	66.59	16.18	2.23	80.0	± 9.6 %
		Y	3.77	66.88	16.45		80.0	
		Z	3.63	66.30	16.15		80.0	
10511-AAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.82	66.51	16.18	2.23	80.0	± 9.6 %
		Y	3.85	66.78	16.44		80.0	
		Z	3.71	66.23	16.15		80.0	
10512-AAB	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.53	68.87	16.64	2.23	80.0	± 9.6 %
		Y	3.65	69.60	17.11		80.0	
		Z	3.39	68.55	16.65		80.0	
10513-AAB	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.62	66.62	16.20	2.23	80.0	± 9.6 %
		Y	3.66	66.94	16.48		80.0	
		Z	3.51	66.32	16.17		80.0	
10514-AAB	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.68	66.43	16.16	2.23	80.0	± 9.6 %
		Y	3.72	66.71	16.42		80.0	
		Z	3.58	66.13	16.13		80.0	
10515-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	X	0.99	63.31	14.64	0.00	150.0	± 9.6 %
		Y	1.01	63.68	14.99		150.0	
		Z	0.99	63.31	14.65		150.0	
10516-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	X	0.57	68.71	16.68	0.00	150.0	± 9.6 %
		Y	0.65	71.13	18.13		150.0	
		Z	0.57	68.55	16.63		150.0	
10517-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	X	0.82	64.86	15.16	0.00	150.0	± 9.6 %
		Y	0.85	65.57	15.72		150.0	
		Z	0.83	64.83	15.16		150.0	
10518-AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	X	4.32	66.96	16.17	0.00	150.0	± 9.6 %
		Y	4.35	67.04	16.27		150.0	
		Z	4.31	66.97	16.19		150.0	
10519-AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	X	4.46	67.11	16.26	0.00	150.0	± 9.6 %
		Y	4.49	67.19	16.35		150.0	
		Z	4.45	67.12	16.27		150.0	
10520-AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	X	4.32	67.04	16.17	0.00	150.0	± 9.6 %
		Y	4.35	67.12	16.27		150.0	
		Z	4.31	67.04	16.19		150.0	
10521-AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	X	4.25	66.99	16.15	0.00	150.0	± 9.6 %
		Y	4.28	67.08	16.25		150.0	
		Z	4.24	66.99	16.16		150.0	
10522-AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	X	4.29	67.08	16.22	0.00	150.0	± 9.6 %
		Y	4.32	67.17	16.32		150.0	
		Z	4.27	67.07	16.22		150.0	



10523-AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	X	4.24	67.16	16.19	0.00	150.0	± 9.6 %
		Y	4.27	67.25	16.30		150.0	
		Z	4.23	67.18	16.21		150.0	
10524-AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	X	4.25	67.08	16.24	0.00	150.0	± 9.6 %
		Y	4.28	67.17	16.34		150.0	
		Z	4.24	67.08	16.25		150.0	
10525-AAA	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	X	4.30	66.23	15.88	0.00	150.0	± 9.6 %
		Y	4.32	66.32	15.98		150.0	
		Z	4.29	66.24	15.90		150.0	
10526-AAA	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)	X	4.40	66.47	15.98	0.00	150.0	± 9.6 %
		Y	4.43	66.56	16.08		150.0	
		Z	4.39	66.47	15.99		150.0	
10527-AAA	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	X	4.34	66.45	15.93	0.00	150.0	± 9.6 %
		Y	4.37	66.54	16.03		150.0	
		Z	4.33	66.45	15.94		150.0	
10528-AAA	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	X	4.35	66.46	15.96	0.00	150.0	± 9.6 %
		Y	4.38	66.56	16.06		150.0	
		Z	4.34	66.46	15.97		150.0	
10529-AAA	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	X	4.35	66.46	15.96	0.00	150.0	± 9.6 %
		Y	4.38	66.56	16.06		150.0	
		Z	4.34	66.46	15.97		150.0	
10531-AAA	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)	X	4.31	66.46	15.92	0.00	150.0	± 9.6 %
		Y	4.34	66.56	16.03		150.0	
		Z	4.30	66.45	15.93		150.0	
10532-AAA	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	X	4.20	66.33	15.86	0.00	150.0	± 9.6 %
		Y	4.23	66.43	15.96		150.0	
		Z	4.19	66.33	15.87		150.0	
10533-AAA	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)	X	4.35	66.55	15.96	0.00	150.0	± 9.6 %
		Y	4.39	66.64	16.06		150.0	
		Z	4.34	66.55	15.98		150.0	
10534-AAA	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	X	4.92	66.42	16.02	0.00	150.0	± 9.6 %
		Y	4.95	66.49	16.11		150.0	
		Z	4.91	66.42	16.04		150.0	
10535-AAA	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	X	4.95	66.52	16.07	0.00	150.0	± 9.6 %
		Y	4.98	66.59	16.16		150.0	
		Z	4.94	66.51	16.09		150.0	
10536-AAA	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	X	4.85	66.53	16.05	0.00	150.0	± 9.6 %
		Y	4.87	66.61	16.14		150.0	
		Z	4.84	66.52	16.07		150.0	
10537-AAA	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	X	4.92	66.56	16.07	0.00	150.0	± 9.6 %
		Y	4.95	66.63	16.16		150.0	
		Z	4.92	66.56	16.10		150.0	
10538-AAA	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	X	4.97	66.48	16.07	0.00	150.0	± 9.6 %
		Y	5.00	66.56	16.15		150.0	
		Z	4.96	66.47	16.09		150.0	
10540-AAA	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	X	4.90	66.44	16.07	0.00	150.0	± 9.6 %
		Y	4.93	66.52	16.16		150.0	
		Z	4.90	66.43	16.09		150.0	

10541-AAA	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)	X	4.90	66.40	16.03	0.00	150.0	± 9.6 %
		Y	4.92	66.46	16.11		150.0	
		Z	4.89	66.39	16.04		150.0	
10542-AAA	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	X	5.05	66.48	16.09	0.00	150.0	± 9.6 %
		Y	5.07	66.55	16.17		150.0	
		Z	5.04	66.48	16.10		150.0	
10543-AAA	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	X	5.12	66.59	16.17	0.00	150.0	± 9.6 %
		Y	5.15	66.65	16.25		150.0	
		Z	5.12	66.59	16.19		150.0	
10544-AAA	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	X	5.27	66.48	16.01	0.00	150.0	± 9.6 %
		Y	5.30	66.55	16.09		150.0	
		Z	5.27	66.47	16.03		150.0	
10545-AAA	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)	X	5.43	66.89	16.18	0.00	150.0	± 9.6 %
		Y	5.46	66.97	16.26		150.0	
		Z	5.43	66.89	16.20		150.0	
10546-AAA	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	X	5.30	66.59	16.04	0.00	150.0	± 9.6 %
		Y	5.33	66.66	16.12		150.0	
		Z	5.30	66.57	16.05		150.0	
10547-AAA	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	X	5.39	66.74	16.11	0.00	150.0	± 9.6 %
		Y	5.41	66.81	16.19		150.0	
		Z	5.39	66.75	16.14		150.0	
10548-AAA	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	X	5.49	67.22	16.33	0.00	150.0	± 9.6 %
		Y	5.52	67.32	16.42		150.0	
		Z	5.48	67.21	16.34		150.0	
10550-AAA	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	X	5.37	66.82	16.16	0.00	150.0	± 9.6 %
		Y	5.39	66.89	16.25		150.0	
		Z	5.37	66.84	16.20		150.0	
10551-AAA	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	X	5.29	66.55	15.99	0.00	150.0	± 9.6 %
		Y	5.31	66.62	16.07		150.0	
		Z	5.28	66.52	16.01		150.0	
10552-AAA	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	X	5.28	66.62	16.03	0.00	150.0	± 9.6 %
		Y	5.31	66.69	16.11		150.0	
		Z	5.28	66.61	16.05		150.0	
10553-AAA	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	X	5.33	66.55	16.02	0.00	150.0	± 9.6 %
		Y	5.35	66.61	16.10		150.0	
		Z	5.32	66.53	16.04		150.0	
10554-AAA	IEEE 1602.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	X	5.70	66.81	16.09	0.00	150.0	± 9.6 %
		Y	5.73	66.87	16.16		150.0	
		Z	5.70	66.79	16.10		150.0	
10555-AAA	IEEE 1602.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	X	5.78	66.99	16.17	0.00	150.0	± 9.6 %
		Y	5.80	67.06	16.24		150.0	
		Z	5.78	66.97	16.18		150.0	
10556-AAA	IEEE 1602.11ac WiFi (160MHz, MCS2, 99pc duty cycle)	X	5.82	67.12	16.22	0.00	150.0	± 9.6 %
		Y	5.85	67.19	16.30		150.0	
		Z	5.83	67.12	16.24		150.0	
10557-AAA	IEEE 1602.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	X	5.78	67.00	16.18	0.00	150.0	± 9.6 %
		Y	5.80	67.06	16.25		150.0	
		Z	5.78	66.98	16.19		150.0	

10558-AAA	IEEE 1602.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	X	5.77	67.00	16.19	0.00	150.0	± 9.6 %
		Y	5.80	67.07	16.27		150.0	
		Z	5.76	66.96	16.20		150.0	
10560-AAA	IEEE 1602.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	X	5.80	66.97	16.21	0.00	150.0	± 9.6 %
		Y	5.83	67.03	16.29		150.0	
		Z	5.80	66.94	16.23		150.0	
10561-AAA	IEEE 1602.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	X	5.73	66.94	16.23	0.00	150.0	± 9.6 %
		Y	5.76	67.01	16.31		150.0	
		Z	5.73	66.92	16.25		150.0	
10562-AAA	IEEE 1602.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	X	5.77	67.07	16.30	0.00	150.0	± 9.6 %
		Y	5.80	67.15	16.38		150.0	
		Z	5.77	67.04	16.31		150.0	
10563-AAA	IEEE 1602.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	X	5.88	67.08	16.27	0.00	150.0	± 9.6 %
		Y	5.91	67.16	16.35		150.0	
		Z	5.88	67.06	16.28		150.0	
10564-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)	X	4.62	66.91	16.26	0.46	150.0	± 9.6 %
		Y	4.65	67.00	16.37		150.0	
		Z	4.62	66.92	16.27		150.0	
10565-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)	X	4.82	67.35	16.60	0.46	150.0	± 9.6 %
		Y	4.84	67.41	16.69		150.0	
		Z	4.81	67.36	16.62		150.0	
10566-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)	X	4.65	67.13	16.38	0.46	150.0	± 9.6 %
		Y	4.68	67.22	16.48		150.0	
		Z	4.64	67.13	16.40		150.0	
10567-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)	X	4.70	67.59	16.80	0.46	150.0	± 9.6 %
		Y	4.72	67.63	16.88		150.0	
		Z	4.69	67.60	16.83		150.0	
10568-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle)	X	4.52	66.74	16.04	0.46	150.0	± 9.6 %
		Y	4.56	66.86	16.17		150.0	
		Z	4.51	66.72	16.04		150.0	
10569-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	X	4.69	67.86	16.96	0.46	150.0	± 9.6 %
		Y	4.72	67.90	17.03		150.0	
		Z	4.69	67.89	17.00		150.0	
10570-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle)	X	4.68	67.60	16.83	0.46	150.0	± 9.6 %
		Y	4.71	67.65	16.91		150.0	
		Z	4.67	67.61	16.85		150.0	
10571-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	X	1.14	63.82	14.89	0.46	130.0	± 9.6 %
		Y	1.15	64.13	15.24		130.0	
		Z	1.12	63.61	14.84		130.0	
10572-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	X	1.14	64.32	15.21	0.46	130.0	± 9.6 %
		Y	1.16	64.65	15.58		130.0	
		Z	1.13	64.09	15.17		130.0	
10573-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	X	1.07	74.72	18.97	0.46	130.0	± 9.6 %
		Y	1.28	76.28	20.78		130.0	
		Z	0.96	73.37	18.65		130.0	
10574-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	X	1.18	68.96	17.73	0.46	130.0	± 9.6 %
		Y	1.21	69.63	18.27		130.0	
		Z	1.15	68.56	17.65		130.0	



10575-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	X	4.39	66.58	16.17	0.46	130.0	± 9.6 %
		Y	4.42	66.67	16.29		130.0	
		Z	4.38	66.59	16.19		130.0	
10576-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	X	4.42	66.82	16.28	0.46	130.0	± 9.6 %
		Y	4.45	66.90	16.39		130.0	
		Z	4.41	66.83	16.31		130.0	
10577-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	X	4.57	67.04	16.43	0.46	130.0	± 9.6 %
		Y	4.60	67.12	16.53		130.0	
		Z	4.56	67.05	16.45		130.0	
10578-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	X	4.49	67.21	16.56	0.46	130.0	± 9.6 %
		Y	4.51	67.28	16.65		130.0	
		Z	4.48	67.22	16.59		130.0	
10579-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	X	4.22	66.25	15.71	0.46	130.0	± 9.6 %
		Y	4.25	66.38	15.85		130.0	
		Z	4.21	66.24	15.71		130.0	
10580-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	X	4.24	66.27	15.70	0.46	130.0	± 9.6 %
		Y	4.28	66.41	15.85		130.0	
		Z	4.23	66.24	15.70		130.0	
10581-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	X	4.40	67.30	16.54	0.46	130.0	± 9.6 %
		Y	4.43	67.38	16.64		130.0	
		Z	4.39	67.32	16.57		130.0	
10582-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	X	4.14	65.99	15.46	0.46	130.0	± 9.6 %
		Y	4.18	66.13	15.62		130.0	
		Z	4.12	65.96	15.46		130.0	
10583-AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	X	4.39	66.58	16.17	0.46	130.0	± 9.6 %
		Y	4.42	66.67	16.29		130.0	
		Z	4.38	66.59	16.19		130.0	
10584-AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	X	4.42	66.82	16.28	0.46	130.0	± 9.6 %
		Y	4.45	66.90	16.39		130.0	
		Z	4.41	66.83	16.31		130.0	
10585-AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	X	4.57	67.04	16.43	0.46	130.0	± 9.6 %
		Y	4.60	67.12	16.53		130.0	
		Z	4.56	67.05	16.45		130.0	
10586-AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	X	4.49	67.21	16.56	0.46	130.0	± 9.6 %
		Y	4.51	67.28	16.65		130.0	
		Z	4.48	67.22	16.59		130.0	
10587-AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	X	4.22	66.25	15.71	0.46	130.0	± 9.6 %
		Y	4.25	66.38	15.85		130.0	
		Z	4.21	66.24	15.71		130.0	
10588-AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	X	4.24	66.27	15.70	0.46	130.0	± 9.6 %
		Y	4.28	66.41	15.85		130.0	
		Z	4.23	66.24	15.70		130.0	
10589-AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	X	4.40	67.30	16.54	0.46	130.0	± 9.6 %
		Y	4.43	67.38	16.64		130.0	
		Z	4.39	67.32	16.57		130.0	
10590-AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	X	4.14	65.99	15.46	0.46	130.0	± 9.6 %
		Y	4.18	66.13	15.62		130.0	
		Z	4.12	65.96	15.46		130.0	



10591-AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	X	4.55	66.71	16.33	0.46	130.0	± 9.6 %
		Y	4.58	66.79	16.43		130.0	
		Z	4.54	66.72	16.35		130.0	
10592-AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	X	4.66	66.97	16.44	0.46	130.0	± 9.6 %
		Y	4.68	67.05	16.55		130.0	
		Z	4.65	66.98	16.47		130.0	
10593-AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	X	4.57	66.83	16.29	0.46	130.0	± 9.6 %
		Y	4.60	66.92	16.40		130.0	
		Z	4.56	66.84	16.31		130.0	
10594-AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	X	4.63	67.03	16.47	0.46	130.0	± 9.6 %
		Y	4.66	67.11	16.57		130.0	
		Z	4.62	67.04	16.49		130.0	
10595-AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	X	4.59	67.00	16.37	0.46	130.0	± 9.6 %
		Y	4.62	67.08	16.48		130.0	
		Z	4.58	67.00	16.39		130.0	
10596-AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle)	X	4.52	66.92	16.34	0.46	130.0	± 9.6 %
		Y	4.55	67.02	16.46		130.0	
		Z	4.51	66.92	16.36		130.0	
10597-AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle)	X	4.47	66.79	16.19	0.46	130.0	± 9.6 %
		Y	4.50	66.89	16.31		130.0	
		Z	4.46	66.78	16.20		130.0	
10598-AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	X	4.48	67.08	16.50	0.46	130.0	± 9.6 %
		Y	4.51	67.15	16.60		130.0	
		Z	4.47	67.09	16.52		130.0	
10599-AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	X	5.24	67.14	16.59	0.46	130.0	± 9.6 %
		Y	5.26	67.22	16.69		130.0	
		Z	5.24	67.17	16.63		130.0	
10600-AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	X	5.31	67.40	16.69	0.46	130.0	± 9.6 %
		Y	5.34	67.51	16.81		130.0	
		Z	5.31	67.43	16.73		130.0	
10601-AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	X	5.24	67.31	16.67	0.46	130.0	± 9.6 %
		Y	5.27	67.39	16.76		130.0	
		Z	5.25	67.36	16.72		130.0	
10602-AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	X	5.30	67.20	16.52	0.46	130.0	± 9.6 %
		Y	5.33	67.30	16.63		130.0	
		Z	5.29	67.21	16.55		130.0	
10603-AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)	X	5.36	67.49	16.82	0.46	130.0	± 9.6 %
		Y	5.39	67.59	16.92		130.0	
		Z	5.35	67.49	16.85		130.0	
10604-AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)	X	5.23	67.04	16.56	0.46	130.0	± 9.6 %
		Y	5.26	67.13	16.66		130.0	
		Z	5.22	67.02	16.58		130.0	
10605-AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)	X	5.29	67.25	16.66	0.46	130.0	± 9.6 %
		Y	5.32	67.35	16.78		130.0	
		Z	5.29	67.26	16.69		130.0	
10606-AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)	X	5.11	66.78	16.27	0.46	130.0	± 9.6 %
		Y	5.14	66.88	16.39		130.0	
		Z	5.11	66.80	16.31		130.0	

10607-AAA	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	X	4.40	66.05	15.97	0.46	130.0	± 9.6 %
		Y	4.43	66.14	16.08		130.0	
		Z	4.39	66.06	16.00		130.0	
10608-AAA	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	X	4.52	66.33	16.10	0.46	130.0	± 9.6 %
		Y	4.55	66.43	16.21		130.0	
		Z	4.51	66.34	16.13		130.0	
10609-AAA	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	X	4.41	66.15	15.91	0.46	130.0	± 9.6 %
		Y	4.45	66.26	16.03		130.0	
		Z	4.40	66.16	15.93		130.0	
10610-AAA	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	X	4.47	66.34	16.10	0.46	130.0	± 9.6 %
		Y	4.50	66.44	16.21		130.0	
		Z	4.46	66.36	16.12		130.0	
10611-AAA	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	X	4.38	66.11	15.92	0.46	130.0	± 9.6 %
		Y	4.41	66.22	16.04		130.0	
		Z	4.37	66.12	15.94		130.0	
10612-AAA	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	X	4.35	66.19	15.93	0.46	130.0	± 9.6 %
		Y	4.39	66.31	16.06		130.0	
		Z	4.34	66.18	15.94		130.0	
10613-AAA	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	X	4.35	66.00	15.77	0.46	130.0	± 9.6 %
		Y	4.39	66.13	15.90		130.0	
		Z	4.34	66.00	15.79		130.0	
10614-AAA	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	X	4.34	66.30	16.07	0.46	130.0	± 9.6 %
		Y	4.37	66.40	16.18		130.0	
		Z	4.33	66.31	16.10		130.0	
10615-AAA	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	X	4.36	65.90	15.65	0.46	130.0	± 9.6 %
		Y	4.40	66.04	15.79		130.0	
		Z	4.35	65.90	15.67		130.0	
10616-AAA	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	X	5.03	66.30	16.16	0.46	130.0	± 9.6 %
		Y	5.06	66.38	16.26		130.0	
		Z	5.03	66.31	16.19		130.0	
10617-AAA	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	X	5.05	66.37	16.17	0.46	130.0	± 9.6 %
		Y	5.09	66.47	16.28		130.0	
		Z	5.05	66.38	16.20		130.0	
10618-AAA	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	X	4.97	66.45	16.23	0.46	130.0	± 9.6 %
		Y	5.00	66.54	16.33		130.0	
		Z	4.97	66.45	16.26		130.0	
10619-AAA	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	X	5.00	66.32	16.09	0.46	130.0	± 9.6 %
		Y	5.04	66.42	16.20		130.0	
		Z	5.01	66.34	16.13		130.0	
10620-AAA	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	X	5.06	66.27	16.11	0.46	130.0	± 9.6 %
		Y	5.09	66.36	16.22		130.0	
		Z	5.05	66.27	16.14		130.0	
10621-AAA	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	X	5.08	66.45	16.34	0.46	130.0	± 9.6 %
		Y	5.11	66.51	16.42		130.0	
		Z	5.08	66.46	16.37		130.0	
10622-AAA	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	X	5.07	66.51	16.37	0.46	130.0	± 9.6 %
		Y	5.09	66.59	16.45		130.0	
		Z	5.06	66.52	16.40		130.0	

10623-AAA	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	X	4.96	66.07	15.99	0.46	130.0	± 9.6 %
		Y	4.99	66.16	16.09		130.0	
		Z	4.96	66.07	16.02		130.0	
10624-AAA	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	X	5.15	66.33	16.19	0.46	130.0	± 9.6 %
		Y	5.18	66.41	16.29		130.0	
		Z	5.15	66.34	16.22		130.0	
10625-AAA	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	X	5.25	66.51	16.35	0.46	130.0	± 9.6 %
		Y	5.27	66.57	16.43		130.0	
		Z	5.25	66.56	16.40		130.0	
10626-AAA	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	X	5.37	66.32	16.12	0.46	130.0	± 9.6 %
		Y	5.40	66.40	16.21		130.0	
		Z	5.37	66.32	16.15		130.0	
10627-AAA	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	X	5.58	66.89	16.38	0.46	130.0	± 9.6 %
		Y	5.61	66.98	16.48		130.0	
		Z	5.58	66.90	16.42		130.0	
10628-AAA	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	X	5.35	66.26	15.99	0.46	130.0	± 9.6 %
		Y	5.38	66.35	16.09		130.0	
		Z	5.35	66.25	16.01		130.0	
10629-AAA	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	X	5.47	66.50	16.11	0.46	130.0	± 9.6 %
		Y	5.50	66.59	16.21		130.0	
		Z	5.48	66.54	16.15		130.0	
10630-AAA	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	X	5.62	67.17	16.45	0.46	130.0	± 9.6 %
		Y	5.67	67.30	16.57		130.0	
		Z	5.62	67.15	16.47		130.0	
10631-AAA	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	X	5.65	67.38	16.76	0.46	130.0	± 9.6 %
		Y	5.68	67.44	16.84		130.0	
		Z	5.65	67.38	16.79		130.0	
10632-AAA	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	X	5.61	67.17	16.67	0.46	130.0	± 9.6 %
		Y	5.63	67.23	16.75		130.0	
		Z	5.62	67.22	16.73		130.0	
10633-AAA	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	X	5.38	66.36	16.08	0.46	130.0	± 9.6 %
		Y	5.41	66.43	16.17		130.0	
		Z	5.37	66.34	16.10		130.0	
10634-AAA	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	X	5.42	66.59	16.25	0.46	130.0	± 9.6 %
		Y	5.45	66.66	16.34		130.0	
		Z	5.42	66.59	16.28		130.0	
10635-AAA	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	X	5.25	65.74	15.52	0.46	130.0	± 9.6 %
		Y	5.29	65.85	15.64		130.0	
		Z	5.25	65.72	15.54		130.0	
10636-AAA	IEEE 1602.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	X	5.81	66.67	16.21	0.46	130.0	± 9.6 %
		Y	5.84	66.74	16.30		130.0	
		Z	5.82	66.67	16.24		130.0	
10637-AAA	IEEE 1602.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	X	5.91	66.92	16.32	0.46	130.0	± 9.6 %
		Y	5.94	67.00	16.42		130.0	
		Z	5.91	66.92	16.35		130.0	
10638-AAA	IEEE 1602.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	X	5.95	67.05	16.36	0.46	130.0	± 9.6 %
		Y	5.98	67.13	16.46		130.0	
		Z	5.96	67.06	16.40		130.0	

10639-AAA	IEEE 1602.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	X	5.90	66.89	16.33	0.46	130.0	± 9.6 %
		Y	5.93	66.97	16.42		130.0	
		Z	5.90	66.89	16.36		130.0	
10640-AAA	IEEE 1602.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	X	5.83	66.70	16.17	0.46	130.0	± 9.6 %
		Y	5.86	66.79	16.27		130.0	
		Z	5.83	66.67	16.19		130.0	
10641-AAA	IEEE 1602.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	X	5.95	66.83	16.26	0.46	130.0	± 9.6 %
		Y	5.98	66.93	16.36		130.0	
		Z	5.95	66.84	16.29		130.0	
10642-AAA	IEEE 1602.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	X	5.98	67.06	16.55	0.46	130.0	± 9.6 %
		Y	6.00	67.13	16.63		130.0	
		Z	5.98	67.06	16.58		130.0	
10643-AAA	IEEE 1602.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	X	5.81	66.70	16.25	0.46	130.0	± 9.6 %
		Y	5.84	66.79	16.35		130.0	
		Z	5.81	66.69	16.27		130.0	
10644-AAA	IEEE 1602.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	X	5.86	66.86	16.35	0.46	130.0	± 9.6 %
		Y	5.89	66.95	16.45		130.0	
		Z	5.86	66.84	16.37		130.0	
10645-AAA	IEEE 1602.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	X	5.99	66.94	16.36	0.46	130.0	± 9.6 %
		Y	6.02	67.02	16.45		130.0	
		Z	6.00	66.95	16.39		130.0	
10646-AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	X	6.69	86.81	28.67	9.30	60.0	± 9.6 %
		Y	7.72	91.33	30.89		60.0	
		Z	5.52	83.14	27.53		60.0	
10647-AAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	X	5.99	84.97	28.10	9.30	60.0	± 9.6 %
		Y	6.77	88.96	30.17		60.0	
		Z	4.99	81.44	26.98		60.0	
10648-AAA	CDMA2000 (1x Advanced)	X	0.51	61.86	8.44	0.00	150.0	± 9.6 %
		Y	0.54	62.46	8.97		150.0	
		Z	0.50	61.70	8.25		150.0	

<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.





In Collaboration with  
**s p e a g**  
CALIBRATION LABORATORY



中国认可  
国际互认  
校准  
CALIBRATION  
CNAS L0570

Add: No.51 Xueyuan Road, Haidian District, Beijing, 100191, China  
Tel: +86-10-62304633-2218 Fax: +86-10-62304633-2209  
E-mail: cttl@chinattl.com [Http://www.chinattl.cn](http://www.chinattl.cn)

Client

**Sporton International INC**

Certificate No: **Z17-97152**

## CALIBRATION CERTIFICATE

Object: **ES3DV3 - SN:3293**

Calibration Procedure(s): **FF-Z11-004-01**  
**Calibration Procedures for Dosimetric E-field Probes**

Calibration date: **September 25, 2017**

This calibration Certificate documents the traceability to national standards, which realize the physical units of measurements(SI). The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature(22±3)°C and humidity<70%.

### Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID #	Cal Date(Calibrated by, Certificate No.)	Scheduled Calibration
Power Meter NRP2	101919	27-Jun-17 (CTTL, No.J17X05857)	Jun-18
Power sensor NRP-Z91	101547	27-Jun-17 (CTTL, No.J17X05857)	Jun-18
Power sensor NRP-Z91	101548	27-Jun-17 (CTTL, No.J17X05857)	Jun-18
Reference10dBAttenuator	18N50W-10dB	13-Mar-16(CTTL,No.J16X01547)	Mar-18
Reference20dBAttenuator	18N50W-20dB	13-Mar-16(CTTL, No.J16X01548)	Mar-18
Reference Probe EX3DV4	SN 7433	26-Sep-16(SPEAG,No.EX3-7433_Sep16)	Sep-17
DAE4	SN 549	13-Dec-16(SPEAG, No.DAE4-549_Dec16)	Dec -17
Secondary Standards	ID #	Cal Date(Calibrated by, Certificate No.)	Scheduled Calibration
SignalGeneratorMG3700A	6201052605	27-Jun-17 (CTTL, No.J17X05858)	Jun-18
Network Analyzer E5071C	MY46110673	13-Jan-17 (CTTL, No.J17X00285)	Jan -18

	Name	Function	Signature
Calibrated by:	Yu Zongying	SAR Test Engineer	
Reviewed by:	Zhao Jing	SAR Test Engineer	
Approved by:	Qi Dianyuan	SAR Project Leader	

Issued: September 27, 2017

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.





### Glossary:

TSL	tissue simulating liquid
NORM <sub>x,y,z</sub>	sensitivity in free space
ConvF	sensitivity in TSL / NORM <sub>x,y,z</sub>
DCP	diode compression point
CF	crest factor (1/duty_cycle) of the RF signal
A,B,C,D	modulation dependent linearization parameters
Polarization $\Phi$	$\Phi$ rotation around probe axis
Polarization $\theta$	$\theta$ rotation around an axis that is in the plane normal to probe axis (at measurement center) $\theta=0$ is normal to probe axis

Connector Angle information used in DASY system to align probe sensor X to the robot coordinate system

### Calibration is Performed According to the Following Standards:

- IEEE Std 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", June 2013
- IEC 62209-1, "Measurement procedure for the assessment of Specific Absorption Rate (SAR) from hand-held and body-mounted devices used next to the ear (frequency range of 300 MHz to 6 GHz)", July 2016
- IEC 62209-2, "Procedure to determine the Specific Absorption Rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz)", March 2010
- KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

### Methods Applied and Interpretation of Parameters:

- NORM<sub>x,y,z</sub>**: Assessed for E-field polarization  $\theta=0$  ( $f \leq 900\text{MHz}$  in TEM-cell;  $f > 1800\text{MHz}$ : waveguide). NORM<sub>x,y,z</sub> are only intermediate values, i.e., the uncertainties of NORM<sub>x,y,z</sub> does not effect the  $E^2$ -field uncertainty inside TSL (see below ConvF).
- NORM(f)<sub>x,y,z</sub> = NORM<sub>x,y,z</sub> \* frequency\_response** (see Frequency Response Chart). This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of ConvF.
- DCP<sub>x,y,z</sub>**: DCP are numerical linearization parameters assessed based on the data of power sweep (no uncertainty required). DCP does not depend on frequency nor media.
- PAR**: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics.
- A<sub>x,y,z</sub>; B<sub>x,y,z</sub>; C<sub>x,y,z</sub>; VR<sub>x,y,z</sub>: A,B,C** are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum calibration range expressed in RMS voltage across the diode.
- ConvF and Boundary Effect Parameters**: Assessed in flat phantom using E-field (or Temperature Transfer Standard for  $f \leq 800\text{MHz}$ ) and inside waveguide using analytical field distributions based on power measurements for  $f > 800\text{MHz}$ . The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty valued are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to NORM<sub>x,y,z</sub> \* ConvF whereby the uncertainty corresponds to that given for ConvF. A frequency dependent ConvF is used in DASY version 4.4 and higher which allows extending the validity from  $\pm 50\text{MHz}$  to  $\pm 100\text{MHz}$ .
- Spherical isotropy (3D deviation from isotropy)**: in a field of low gradients realized using a flat phantom exposed by a patch antenna.
- Sensor Offset**: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.
- Connector Angle**: The angle is assessed using the information gained by determining the NORM<sub>x</sub> (no uncertainty required).



In Collaboration with

**s p e a g**

**CALIBRATION LABORATORY**

Add: No.51 Xueyuan Road, Haidian District, Beijing, 100191, China

Tel: +86-10-62304633-2218

Fax: +86-10-62304633-2209

E-mail: [ctl@chinatl.com](mailto:ctl@chinatl.com)

[Http://www.chinatl.cn](http://www.chinatl.cn)

# Probe ES3DV3

## SN: 3293

Calibrated: September 25, 2017

Calibrated for DASY/EASY Systems

(Note: non-compatible with DASY2 system!)





## DASY/EASY – Parameters of Probe: ES3DV3 - SN: 3293

### Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm( $\mu\text{V}/(\text{V}/\text{m})^2$ ) <sup>A</sup>	1.12	0.90	0.76	$\pm 10.0\%$
DCP(mV) <sup>B</sup>	105.5	108.7	109.8	

### Modulation Calibration Parameters

UID	Communication System Name		A dB	B dB $\sqrt{\mu\text{V}}$	C	D dB	VR mV	Unc <sup>E</sup> (k=2)
0	CW	X	0.0	0.0	1.0	0.00	286.1	$\pm 2.8\%$
		Y	0.0	0.0	1.0		254.6	
		Z	0.0	0.0	1.0		232.5	

The reported uncertainty of measurement is stated as the standard uncertainty of Measurement multiplied by the coverage factor k=2, which for a normal distribution Corresponds to a coverage probability of approximately 95%.

<sup>A</sup> The uncertainties of Norm X, Y, Z do not affect the E<sup>2</sup>-field uncertainty inside TSL (see Page 5 and Page 6).  
<sup>B</sup> Numerical linearization parameter: uncertainty not required.  
<sup>E</sup> Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.





## DASY/EASY – Parameters of Probe: ES3DV3 - SN: 3293

### Calibration Parameter Determined in Head Tissue Simulating Media

f [MHz] <sup>C</sup>	Relative Permittivity <sup>F</sup>	Conductivity (S/m) <sup>F</sup>	ConvF X	ConvF Y	ConvF Z	Alpha <sup>G</sup>	Depth <sup>G</sup> (mm)	Unct. (k=2)
750	41.9	0.89	6.47	6.47	6.47	0.60	1.15	±12.1%
835	41.5	0.90	6.30	6.30	6.30	0.41	1.47	±12.1%
900	41.5	0.97	6.34	6.34	6.34	0.41	1.49	±12.1%
1450	40.5	1.20	5.45	5.45	5.45	0.32	1.67	±12.1%
1750	40.1	1.37	5.32	5.32	5.32	0.64	1.25	±12.1%
1900	40.0	1.40	5.23	5.23	5.23	0.68	1.23	±12.1%
2000	40.0	1.40	4.98	4.98	4.98	0.43	1.60	±12.1%
2300	39.5	1.67	4.90	4.90	4.90	0.90	1.10	±12.1%
2450	39.2	1.80	4.73	4.73	4.73	0.88	1.14	±12.1%
2600	39.0	1.96	4.50	4.50	4.50	0.90	1.10	±12.1%

<sup>C</sup> Frequency validity above 300 MHz of ±100MHz only applies for DASY v4.4 and higher (Page 2), else it is restricted to ±50MHz. The uncertainty is the RSS of ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ± 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Above 5 GHz frequency validity can be extended to ± 110 MHz.

<sup>F</sup> At frequency below 3 GHz, the validity of tissue parameters ( $\epsilon$  and  $\sigma$ ) can be relaxed to ±10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters ( $\epsilon$  and  $\sigma$ ) is restricted to ±5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

<sup>G</sup> Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ± 1% for frequencies below 3 GHz and below ± 2% for the frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.



## DASY/EASY – Parameters of Probe: ES3DV3 - SN: 3293

### Calibration Parameter Determined in Body Tissue Simulating Media

f [MHz] <sup>C</sup>	Relative Permittivity <sup>F</sup>	Conductivity (S/m) <sup>F</sup>	ConvF X	ConvF Y	ConvF Z	Alpha <sup>G</sup>	Depth <sup>G</sup> (mm)	Unct. (k=2)
750	55.5	0.96	6.43	6.43	6.43	0.60	1.25	±12.1%
835	55.2	0.97	6.19	6.19	6.19	0.40	1.60	±12.1%
1750	53.4	1.49	5.05	5.05	5.05	0.66	1.27	±12.1%
1900	53.3	1.52	4.86	4.86	4.86	0.84	1.17	±12.1%
2450	52.7	1.95	4.39	4.39	4.39	0.76	1.31	±12.1%
2600	52.5	2.16	4.16	4.16	4.16	0.90	1.15	±12.1%

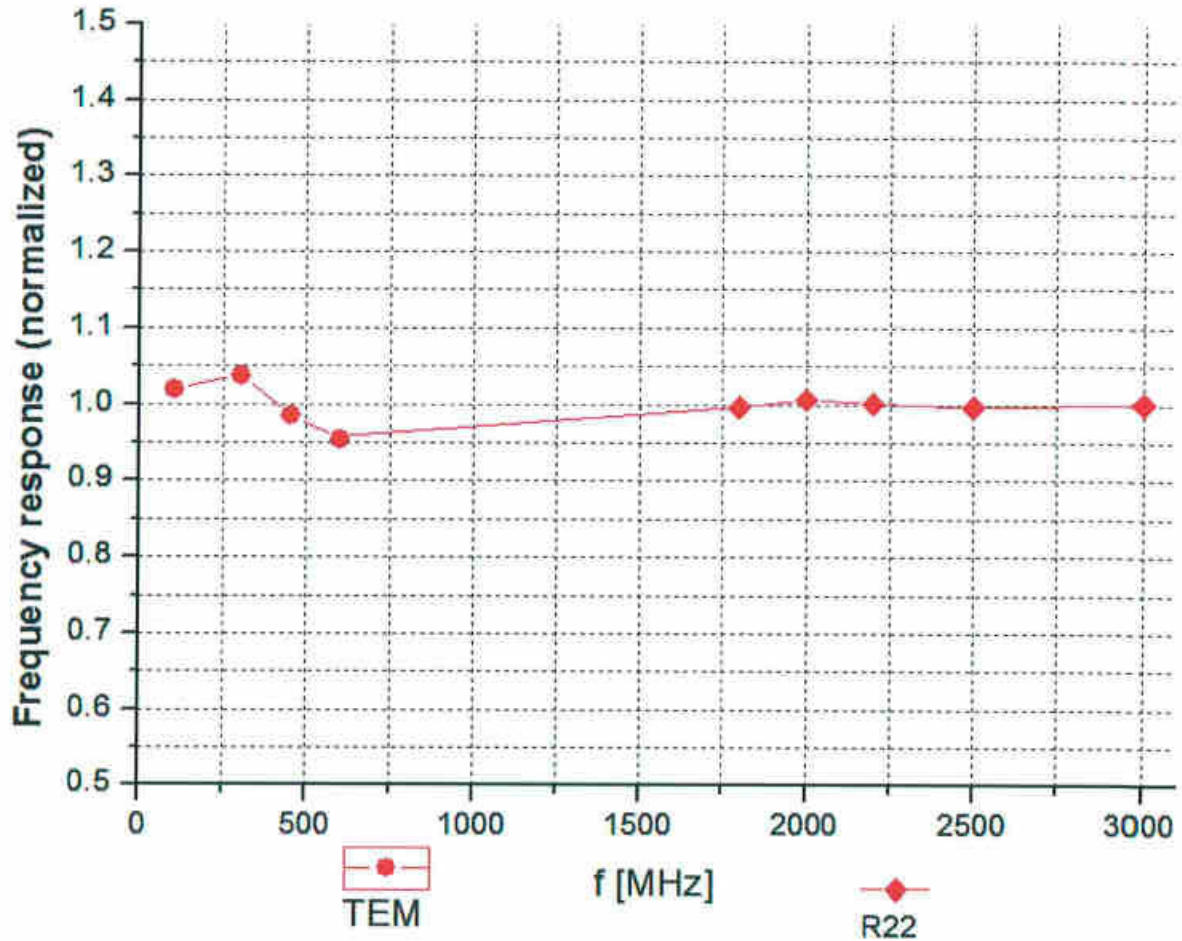
<sup>C</sup> Frequency validity above 300 MHz of ±100MHz only applies for DASY v4.4 and higher (Page 2), else it is restricted to ±50MHz. The uncertainty is the RSS of ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ± 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Above 5 GHz frequency validity can be extended to ± 110 MHz.

<sup>F</sup> At frequency below 3 GHz, the validity of tissue parameters ( $\epsilon$  and  $\sigma$ ) can be relaxed to ±10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters ( $\epsilon$  and  $\sigma$ ) is restricted to ±5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

<sup>G</sup> Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ± 1% for frequencies below 3 GHz and below ± 2% for the frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.



## Frequency Response of E-Field (TEM-Cell: ifi110 EXX, Waveguide: R22)



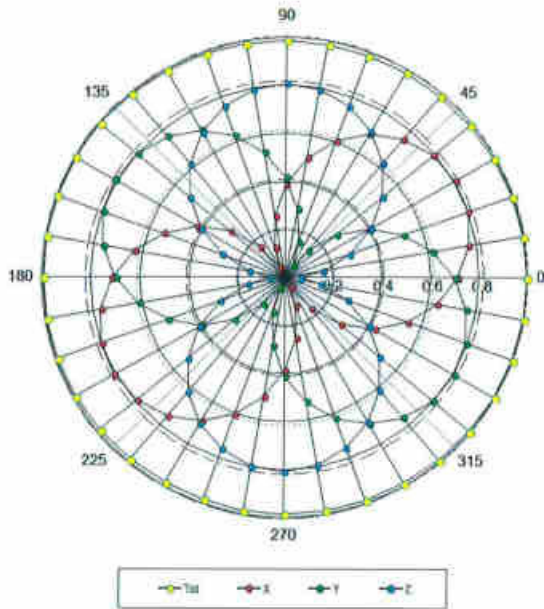
Uncertainty of Frequency Response of E-field:  $\pm 7.4\%$  ( $k=2$ )



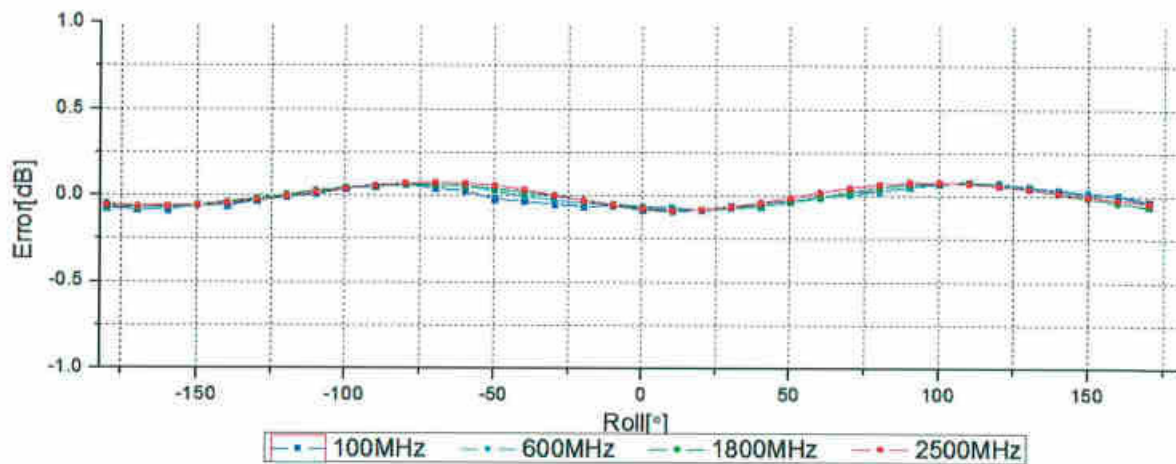
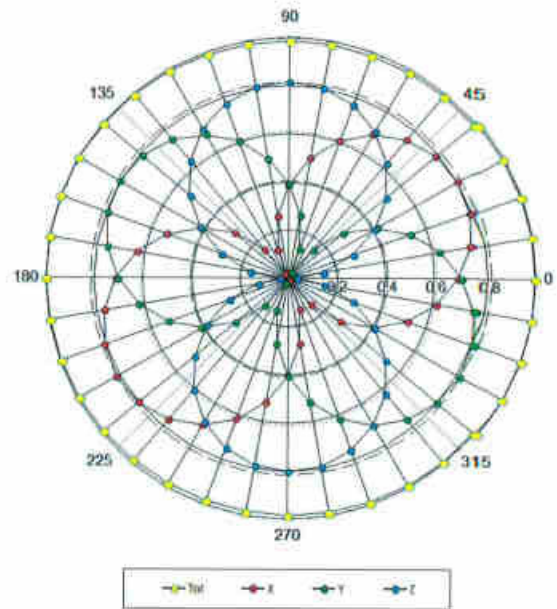


## Receiving Pattern ( $\Phi$ ), $\theta=0^\circ$

### f=600 MHz, TEM



### f=1800 MHz, R22

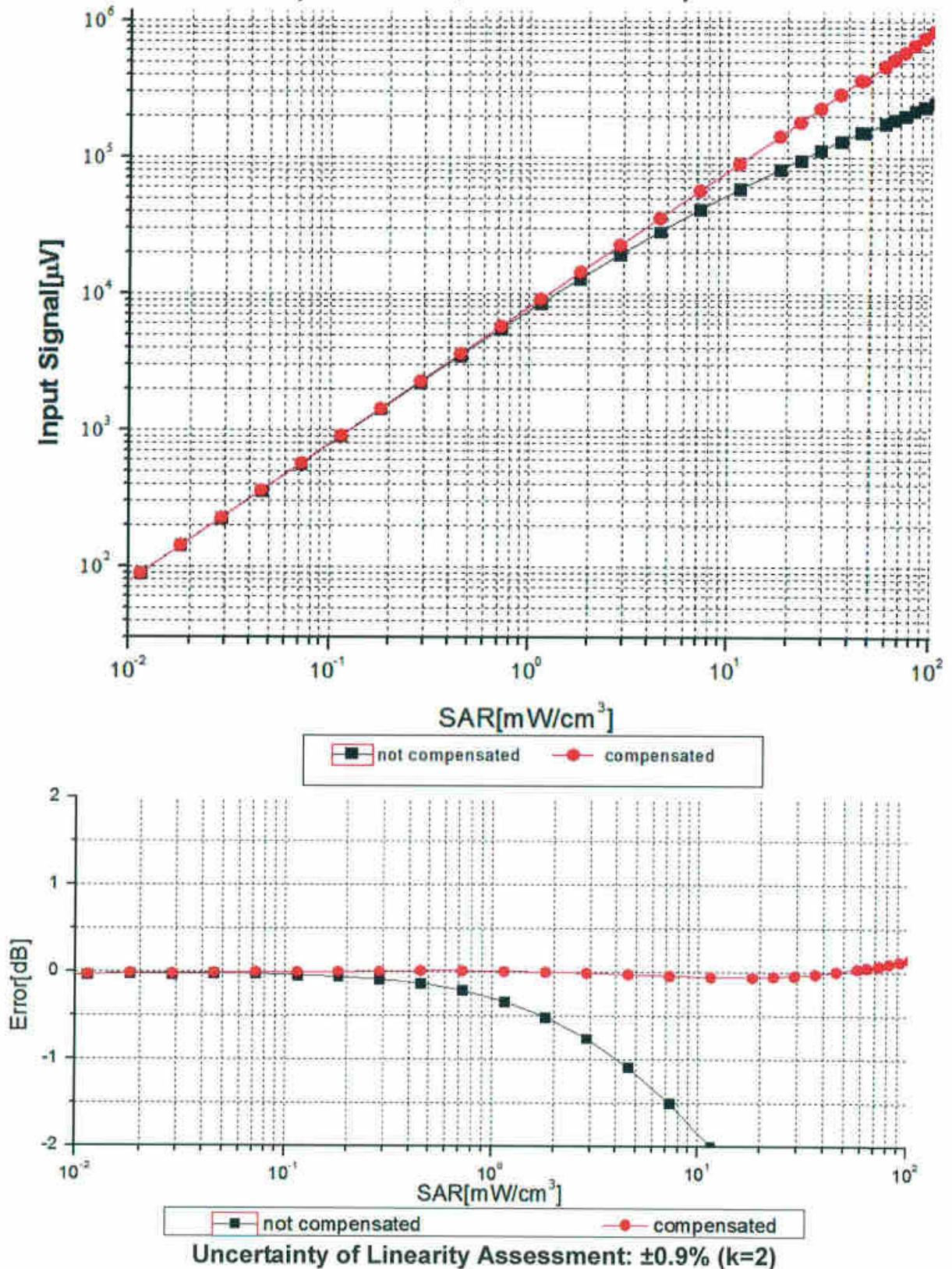


Uncertainty of Axial Isotropy Assessment:  $\pm 1.2\%$  (k=2)





## Dynamic Range f(SAR<sub>head</sub>) (TEM cell, f = 900 MHz)

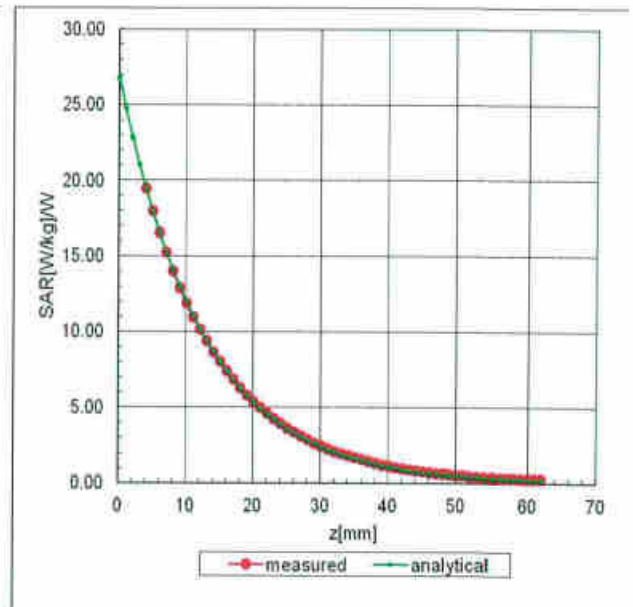
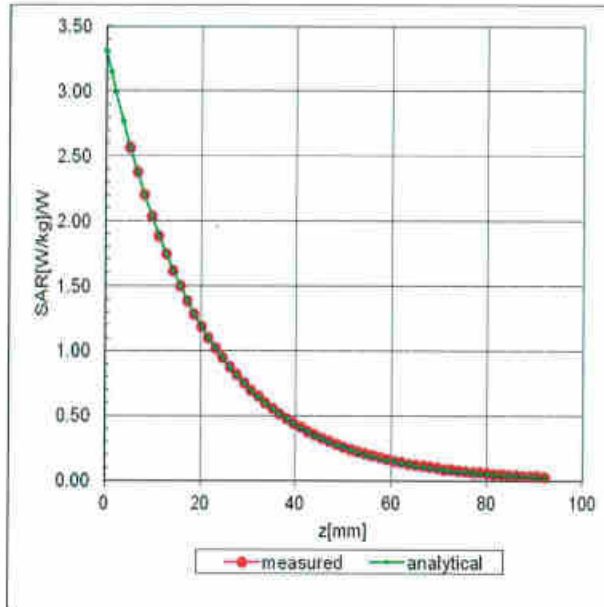




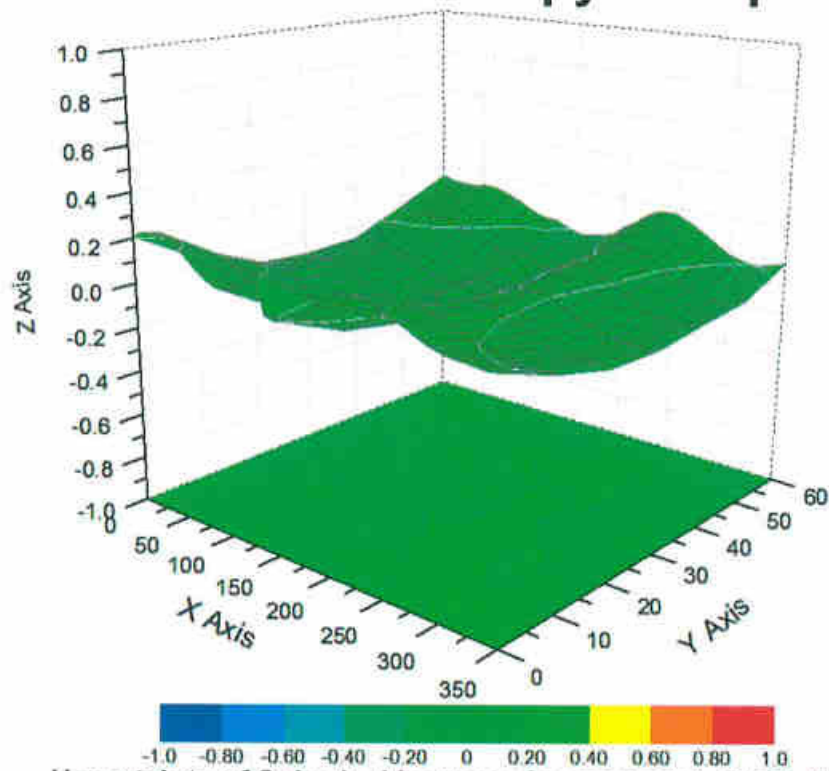
## Conversion Factor Assessment

f=835 MHz, WGLS R9(H\_convF)

f=1750 MHz, WGLS R22(H\_convF)



## Deviation from Isotropy in Liquid



Uncertainty of Spherical Isotropy Assessment:  $\pm 3.2\%$  (K=2)



## **DASY/EASY – Parameters of Probe: ES3DV3 - SN: 3293**

### **Other Probe Parameters**

<b>Sensor Arrangement</b>	<b>Triangular</b>
<b>Connector Angle (°)</b>	<b>7.2</b>
<b>Mechanical Surface Detection Mode</b>	<b>enabled</b>
<b>Optical Surface Detection Mode</b>	<b>disable</b>
<b>Probe Overall Length</b>	<b>337mm</b>
<b>Probe Body Diameter</b>	<b>10mm</b>
<b>Tip Length</b>	<b>10mm</b>
<b>Tip Diameter</b>	<b>4mm</b>
<b>Probe Tip to Sensor X Calibration Point</b>	<b>2mm</b>
<b>Probe Tip to Sensor Y Calibration Point</b>	<b>2mm</b>
<b>Probe Tip to Sensor Z Calibration Point</b>	<b>2mm</b>
<b>Recommended Measurement Distance from Surface</b>	<b>3mm</b>