10558-AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	X	5.92	67.27	16.10	0.00	150.0	± 9.6 %
		Y	6.11	67.65	16.38		150.0	
		Z	6.01	67.37	16.21		150.0	
10560-AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	X	5.92	67.13	16.07	0.00	150.0	± 9.6 %
		Y	6.10	67.49	16.34		150.0	
		Z	6.00	67.22	16.18		150.0	
10561-AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	X	5.85	67.10	16.09	0.00	150.0	± 9.6 %
		Y	6.02	67.44	16.36		150.0	
		Z	5.92	67.18	16.20		150.0	
10562-AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	X	5.95	67.44	16.26	0.00	150.0	± 9.6 %
		Y	6.17	67.91	16.60		150.0	
		Z	6.06	67.60	16.40		150.0	
10563-AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	X	6.12	67.56	16.28	0.00	150.0	± 9.6 %
		Y	6.49	68.42	16.80		150.0	
		Z	6.36	68.10	16.61		150.0	
10564-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)	X	4.79	66.81	16.11	0.46	150.0	± 9.6 %
		Y	4.97	67.04	16.41		150.0	
		Z	4.86	66.83	16.22		150.0	
10565-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)	X	5.01	67.24	16.43	0.46	150.0	± 9.6 %
		Y	5.23	67.50	16.72		150.0	
		Z	5.10	67.28	16.54		150.0	
10566-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)	X	4.84	67.08	16.24	0.46	150.0	± 9.6 %
		Y	5.06	67.38	16.56		150.0	
		Z	4.93	67.13	16.35		150.0	
10567-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)	X	4.87	67.44	16.58	0.46	150.0	± 9.6 %
		Y	5.08	67.73	16.87		150.0	
		Z	4.96	67.49	16.69		150.0	
10568-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle)	X	4.76	66.89	16.03	0.46	150.0	± 9.6 %
		Y	4.98	67.15	16.34		150.0	
		Z	4.85	66.93	16.14		150.0	
10569-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	X	4.83	67.56	16.65	0.46	150.0	± 9.6 %
		Y	5.02	67.75	16.89		150.0	
		Z	4.91	67.57	16.74		150.0	
10570-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle)	X	4.86	67.40	16.58	0.46	150.0	± 9.6 %
		Y	5.07	67.61	16.84		150.0	
		Z	4.95	67.42	16.68		150.0	
10571-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	X	1.23	64.77	15.07	0.46	130.0	± 9.6 %
		Y	1.36	66.29	16.29		130.0	
		Z	1.26	65.09	15.40		130.0	
10572-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	X	1.25	65.30	15.38	0.46	130.0	± 9.6 %
		Y	1.39	66.93	16.65		130.0	
		Z	1.28	65.66	15.73		130.0	
10573-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	X	1.67	78.46	19.14	0.46	130.0	± 9.6 %
		Y	5.69	97.67	26.24		130.0	
		Z	2.12	82.08	20.66		130.0	
10574-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	X	1.35	70.14	17.64	0.46	130.0	± 9.6 %
		Y	1.67	73.70	19.74		130.0	
		Z	1.43	71.03	18.22		130.0	

10575-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	X	4.61	66.70	16.21	0.46	130.0	± 9.6 %
		Y	4.80	66.93	16.52		130.0	
		Z	4.68	66.72	16.32		130.0	
10576-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	X	4.63	66.85	16.27	0.46	130.0	± 9.6 %
		Y	4.82	67.07	16.57		130.0	
		Z	4.71	66.87	16.38		130.0	
10577-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	X	4.82	67.13	16.44	0.46	130.0	± 9.6 %
		Y	5.05	67.39	16.75		130.0	
		Z	4.91	67.17	16.55		130.0	
10578-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	X	4.72	67.27	16.53	0.46	130.0	± 9.6 %
		Y	4.94	67.55	16.83		130.0	
		Z	4.81	67.32	16.64		130.0	
10579-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	X	4.50	66.59	15.86	0.46	130.0	± 9.6 %
		Y	4.73	66.98	16.24		130.0	
		Z	4.59	66.66	15.99		130.0	
10580-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	X	4.54	66.63	15.89	0.46	130.0	± 9.6 %
		Y	4.77	66.95	16.24		130.0	
		Z	4.63	66.68	16.01		130.0	
10581-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	X	4.63	67.32	16.48	0.46	130.0	± 9.6 %
		Y	4.85	67.63	16.79		130.0	
		Z	4.71	67.36	16.59		130.0	
10582-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	X	4.44	66.35	15.65	0.46	130.0	± 9.6 %
		Y	4.68	66.75	16.05		130.0	
		Z	4.53	66.43	15.79		130.0	
10583-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	X	4.61	66.70	16.21	0.46	130.0	± 9.6 %
		Y	4.80	66.93	16.52		130.0	
		Z	4.68	66.72	16.32		130.0	
10584-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	X	4.63	66.85	16.27	0.46	130.0	± 9.6 %
		Y	4.82	67.07	16.57		130.0	
		Z	4.71	66.87	16.38		130.0	
10585-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	X	4.82	67.13	16.44	0.46	130.0	± 9.6 %
		Y	5.05	67.39	16.75		130.0	
		Z	4.91	67.17	16.55		130.0	
10586-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	X	4.72	67.27	16.53	0.46	130.0	± 9.6 %
		Y	4.94	67.55	16.83		130.0	
		Z	4.81	67.32	16.64		130.0	
10587-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	X	4.50	66.59	15.86	0.46	130.0	± 9.6 %
		Y	4.73	66.98	16.24		130.0	
		Z	4.59	66.66	15.99		130.0	
10588-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	X	4.54	66.63	15.89	0.46	130.0	± 9.6 %
		Y	4.77	66.95	16.24		130.0	
		Z	4.63	66.68	16.01		130.0	
10589-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	X	4.63	67.32	16.48	0.46	130.0	± 9.6 %
		Y	4.85	67.63	16.79		130.0	
		Z	4.71	67.36	16.59		130.0	
10590-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	X	4.44	66.35	15.65	0.46	130.0	± 9.6 %
		Y	4.68	66.75	16.05		130.0	
		Z	4.53	66.43	15.79		130.0	

10591-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	X	4.76	66.76	16.32	0.46	130.0	± 9.6 %
		Y	4.94	66.97	16.60		130.0	
		Z	4.83	66.78	16.42		130.0	
10592-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	X	4.90	67.08	16.45	0.46	130.0	± 9.6 %
		Y	5.12	67.31	16.72		130.0	
		Z	4.99	67.11	16.55		130.0	
10593-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	X	4.82	66.99	16.32	0.46	130.0	± 9.6 %
		Y	5.05	67.27	16.64		130.0	
		Z	4.91	67.03	16.44		130.0	
10594-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	X	4.88	67.15	16.48	0.46	130.0	± 9.6 %
		Y	5.10	67.41	16.77		130.0	
		Z	4.97	67.19	16.59		130.0	
10595-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	X	4.85	67.11	16.38	0.46	130.0	± 9.6 %
		Y	5.07	67.38	16.68		130.0	
		Z	4.94	67.14	16.49		130.0	
10596-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle)	X	4.78	67.10	16.38	0.46	130.0	± 9.6 %
		Y	5.01	67.39	16.68		130.0	
		Z	4.87	67.15	16.49		130.0	
10597-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle)	X	4.73	67.00	16.26	0.46	130.0	± 9.6 %
		Y	4.96	67.33	16.59		130.0	
		Z	4.82	67.06	16.38		130.0	
10598-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	X	4.72	67.22	16.51	0.46	130.0	± 9.6 %
		Y	4.94	67.55	16.83		130.0	
		Z	4.80	67.28	16.63		130.0	
10599-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	X	5.42	67.30	16.55	0.46	130.0	± 9.6 %
		Y	5.61	67.56	16.80		130.0	
		Z	5.49	67.33	16.64		130.0	
10600-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	X	5.55	67.70	16.72	0.46	130.0	± 9.6 %
		Y	5.79	68.09	17.04		130.0	
		Z	5.65	67.82	16.85		130.0	
10601-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	X	5.44	67.45	16.61	0.46	130.0	± 9.6 %
		Y	5.65	67.77	16.89		130.0	
		Z	5.53	67.53	16.73		130.0	
10602-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	X	5.54	67.51	16.57	0.46	130.0	± 9.6 %
		Y	5.74	67.78	16.82		130.0	
		Z	5.62	67.54	16.66		130.0	
10603-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)	X	5.61	67.77	16.83	0.46	130.0	± 9.6 %
		Y	5.83	68.07	17.09		130.0	
		Z	5.70	67.85	16.93		130.0	
10604-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)	X	5.45	67.33	16.59	0.46	130.0	± 9.6 %
		Y	5.61	67.51	16.80		130.0	
		Z	5.50	67.29	16.64		130.0	
10605-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)	X	5.54	67.60	16.73	0.46	130.0	± 9.6 %
		Y	5.71	67.82	16.96		130.0	
		Z	5.62	67.65	16.83		130.0	
10606-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)	X	5.28	66.92	16.25	0.46	130.0	± 9.6 %
		Y	5.50	67.32	16.58		130.0	
		Z	5.38	67.07	16.40		130.0	

10607-AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	X	4.59	66.03	15.92	0.46	130.0	± 9.6 %
		Y	4.77	66.25	16.20		130.0	
		Z	4.66	66.05	16.02		130.0	
10608-AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	X	4.76	66.42	16.08	0.46	130.0	± 9.6 %
		Y	4.98	66.67	16.36		130.0	
		Z	4.85	66.45	16.18		130.0	
10609-AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	X	4.65	66.26	15.92	0.46	130.0	± 9.6 %
		Y	4.87	66.56	16.23		130.0	
		Z	4.74	66.31	16.03		130.0	
10610-AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	X	4.70	66.42	16.08	0.46	130.0	± 9.6 %
		Y	4.92	66.71	16.38		130.0	
		Z	4.79	66.46	16.19		130.0	
10611-AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	X	4.62	66.23	15.93	0.46	130.0	± 9.6 %
		Y	4.85	66.54	16.25		130.0	
		Z	4.71	66.28	16.04		130.0	
10612-AAB	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	X	4.63	66.38	15.97	0.46	130.0	± 9.6 %
		Y	4.86	66.70	16.29		130.0	
		Z	4.72	66.43	16.08		130.0	
10613-AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	X	4.63	66.26	15.85	0.46	130.0	± 9.6 %
		Y	4.88	66.63	16.20		130.0	
		Z	4.73	66.34	15.98		130.0	
10614-AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	X	4.57	66.43	16.07	0.46	130.0	± 9.6 %
		Y	4.80	66.78	16.40		130.0	
		Z	4.66	66.50	16.19		130.0	
10615-AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	X	4.62	66.08	15.71	0.46	130.0	± 9.6 %
		Y	4.85	66.39	16.04		130.0	
		Z	4.71	66.12	15.83		130.0	
10616-AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	X	5.23	66.50	16.13	0.46	130.0	± 9.6 %
		Y	5.42	66.79	16.39		130.0	
		Z	5.31	66.56	16.23		130.0	
10617-AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	X	5.30	66.69	16.20	0.46	130.0	± 9.6 %
		Y	5.47	66.89	16.41		130.0	
		Z	5.37	66.73	16.29		130.0	
10618-AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	X	5.18	66.68	16.21	0.46	130.0	± 9.6 %
		Y	5.37	66.96	16.46		130.0	
		Z	5.26	66.73	16.30		130.0	
10619-AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	X	5.20	66.49	16.05	0.46	130.0	± 9.6 %
		Y	5.40	66.81	16.33		130.0	
		Z	5.29	66.58	16.16		130.0	
10620-AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	X	5.28	66.53	16.12	0.46	130.0	± 9.6 %
		Y	5.51	66.90	16.42		130.0	
		Z	5.38	66.62	16.24		130.0	
10621-AAB	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	X	5.29	66.66	16.30	0.46	130.0	± 9.6 %
		Y	5.48	66.94	16.55		130.0	
		Z	5.37	66.71	16.39		130.0	
10622-AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	X	5.30	66.81	16.37	0.46	130.0	± 9.6 %
		Y	5.48	67.05	16.60		130.0	
		Z	5.38	66.87	16.47		130.0	

10623-AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	X	5.18	66.36	16.02	0.46	130.0	± 9.6 %
		Y	5.37	66.67	16.30		130.0	
		Z	5.26	66.42	16.12		130.0	
10624-AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	X	5.37	66.56	16.19	0.46	130.0	± 9.6 %
		Y	5.56	66.83	16.44		130.0	
		Z	5.45	66.62	16.29		130.0	
10625-AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	X	5.70	67.43	16.67	0.46	130.0	± 9.6 %
		Y	5.96	67.86	17.00		130.0	
		Z	5.85	67.68	16.87		130.0	
10626-AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	X	5.53	66.58	16.10	0.46	130.0	± 9.6 %
		Y	5.67	66.83	16.33		130.0	
		Z	5.59	66.62	16.19		130.0	
10627-AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	X	5.76	67.13	16.34	0.46	130.0	± 9.6 %
		Y	5.92	67.36	16.55		130.0	
		Z	5.84	67.20	16.44		130.0	
10628-AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	X	5.55	66.65	16.04	0.46	130.0	± 9.6 %
		Y	5.74	67.01	16.32		130.0	
		Z	5.64	66.75	16.15		130.0	
10629-AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	X	5.63	66.70	16.06	0.46	130.0	± 9.6 %
		Y	5.82	67.06	16.34		130.0	
		Z	5.73	66.85	16.20		130.0	
10630-AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	X	6.02	68.08	16.75	0.46	130.0	± 9.6 %
		Y	6.35	68.81	17.22		130.0	
		Z	6.21	68.47	17.01		130.0	
10631-AAB	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	X	5.93	67.91	16.85	0.46	130.0	± 9.6 %
		Y	6.22	68.49	17.23		130.0	
		Z	6.07	68.13	17.02		130.0	
10632-AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	X	5.73	67.18	16.51	0.46	130.0	± 9.6 %
		Y	5.89	67.41	16.70		130.0	
		Z	5.80	67.23	16.59		130.0	
10633-AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	X	5.62	66.81	16.15	0.46	130.0	± 9.6 %
		Y	5.83	67.22	16.45		130.0	
		Z	5.70	66.89	16.25		130.0	
10634-AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	X	5.60	66.83	16.22	0.46	130.0	± 9.6 %
		Y	5.80	67.20	16.49		130.0	
		Z	5.68	66.91	16.32		130.0	
10635-AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	X	5.49	66.20	15.64	0.46	130.0	± 9.6 %
		Y	5.70	66.62	15.97		130.0	
		Z	5.57	66.30	15.76		130.0	
10636-AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	X	5.94	66.94	16.20	0.46	130.0	± 9.6 %
		Y	6.08	67.21	16.43		130.0	
		Z	6.01	67.01	16.29		130.0	
10637-AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	X	6.09	67.31	16.37	0.46	130.0	± 9.6 %
		Y	6.25	67.59	16.60		130.0	
		Z	6.17	67.39	16.47		130.0	
10638-AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	X	6.09	67.29	16.33	0.46	130.0	± 9.6 %
		Y	6.24	67.57	16.56		130.0	
		Z	6.16	67.36	16.43		130.0	

10639-AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	X	6.07	67.23	16.35	0.46	130.0	± 9.6 %
		Y	6.24	67.58	16.61		130.0	
		Z	6.15	67.32	16.46		130.0	
10640-AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	X	6.07	67.24	16.30	0.46	130.0	± 9.6 %
		Y	6.27	67.66	16.60		130.0	
		Z	6.16	67.36	16.42		130.0	
10641-AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	X	6.12	67.17	16.28	0.46	130.0	± 9.6 %
		Y	6.27	67.42	16.50		130.0	
		Z	6.19	67.22	16.37		130.0	
10642-AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	X	6.15	67.40	16.56	0.46	130.0	± 9.6 %
		Y	6.33	67.71	16.80		130.0	
		Z	6.23	67.48	16.66		130.0	
10643-AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	X	6.00	67.10	16.31	0.46	130.0	± 9.6 %
		Y	6.17	67.42	16.57		130.0	
		Z	6.07	67.18	16.41		130.0	
10644-AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	X	6.14	67.54	16.55	0.46	130.0	± 9.6 %
		Y	6.39	68.09	16.93		130.0	
		Z	6.25	67.74	16.71		130.0	
10645-AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	X	6.37	67.87	16.68	0.46	130.0	± 9.6 %
		Y	6.75	68.70	17.18		130.0	
		Z	6.71	68.64	17.12		130.0	
10646-AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	X	52.73	128.49	41.99	9.30	60.0	± 9.6 %
		Y	32.04	112.77	37.15		60.0	
		Z	46.55	124.28	40.70		60.0	
10647-AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	X	50.70	128.57	42.19	9.30	60.0	± 9.6 %
		Y	33.96	114.91	37.91		60.0	
		Z	46.47	125.17	41.11		60.0	
10648-AAA	CDMA2000 (1x Advanced)	X	0.58	61.87	9.06	0.00	150.0	± 9.6 %
		Y	0.76	64.26	11.57		150.0	
		Z	0.64	62.51	9.86		150.0	
10652-AAB	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	4.10	68.19	16.78	2.23	80.0	± 9.6 %
		Y	4.52	68.90	17.43		80.0	
		Z	4.21	68.32	17.00		80.0	
10653-AAB	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	X	4.60	67.52	16.98	2.23	80.0	± 9.6 %
		Y	4.98	68.15	17.48		80.0	
		Z	4.71	67.63	17.14		80.0	
10654-AAB	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	X	4.57	67.19	17.00	2.23	80.0	± 9.6 %
		Y	4.91	67.83	17.47		80.0	
		Z	4.66	67.30	17.15		80.0	
10655-AAB	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	4.63	67.17	17.04	2.23	80.0	± 9.6 %
		Y	4.97	67.86	17.52		80.0	
		Z	4.72	67.30	17.19		80.0	
10658-AAA	Pulse Waveform (200Hz, 10%)	X	21.51	94.36	24.67	10.00	50.0	± 9.6 %
		Y	11.91	84.74	23.00		50.0	
		Z	18.15	91.90	24.27		50.0	
10659-AAA	Pulse Waveform (200Hz, 20%)	X	100.00	114.14	28.15	6.99	60.0	± 9.6 %
		Y	26.50	98.27	25.77		60.0	
		Z	100.00	115.09	28.80		60.0	

10660-AAA	Pulse Waveform (200Hz, 40%)	X	100.00	111.33	25.43	3.98	80.0	± 9.6 %
		Y	100.00	115.92	28.23		80.0	
		Z	100.00	112.30	26.01		80.0	
10661-AAA	Pulse Waveform (200Hz, 60%)	X	100.00	110.55	23.78	2.22	100.0	± 9.6 %
		Y	100.00	116.59	27.01		100.0	
		Z	100.00	111.76	24.43		100.0	
10662-AAA	Pulse Waveform (200Hz, 80%)	X	100.00	108.74	21.34	0.97	120.0	± 9.6 %
		Y	100.00	120.28	26.61		120.0	
		Z	100.00	110.89	22.32		120.0	

[E] Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

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Accreditation No.: SCS 0108

Client PC Test

Certificate No: ES3-3131_Mar18

CALIBRATION CERTIFICATE

Object: ES3DV3 - SN:3131

Calibration procedure(s): QA CAL-01.v9, QA CAL-23.v5, QA CAL-25.v6
Calibration procedure for dosimetric E-field probes

SC 3/21/18

Calibration date: March 13, 2018

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 (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	04-Apr-17 (No. 217-02521/02522)	Apr-18
Power sensor NRP-Z91	SN: 103244	04-Apr-17 (No. 217-02521)	Apr-18
Power sensor NRP-Z91	SN: 103245	04-Apr-17 (No. 217-02525)	Apr-18
Reference 20 dB Attenuator	SN: S5277 (20x)	07-Apr-17 (No. 217-02528)	Apr-18
Reference Probe ES3DV2	SN: 3013	30-Dec-17 (No. ES3-3013_Dec17)	Dec-18
DAE4	SN: 660	21-Dec-17 (No. DAE4-660_Dec17)	Dec-18
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-16)	In house check: Jun-18
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-16)	In house check: Jun-18
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-16)	In house check: Jun-18
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-16)	In house check: Jun-18
Network Analyzer HP 8753E	SN: US37390585	18-Oct-01 (in house check Oct-17)	In house check: Oct-18

	Name	Function	Signature
Calibrated by:	Jeton Kastrati	Laboratory Technician	
Approved by:	Katja Pokovic	Technical Manager	

Issued: March 13, 2018

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

Calibration Laboratory of
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Accreditation No.: SCS 0108

Glossary:

TSL	tissue simulating liquid
NORMx,y,z	sensitivity in free space
ConvF	sensitivity in TSL / NORMx,y,z
DCP	diode compression point
CF	crest factor (1/duty_cycle) of the RF signal
A, B, C, D	modulation dependent linearization parameters
Polarization φ	φ rotation around probe axis
Polarization ϑ	ϑ rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., ϑ = 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:

a) 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
b) 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
c) 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
d) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Methods Applied and Interpretation of Parameters:

- *NORMx,y,z:* Assessed for E-field polarization ϑ = 0 (f ≤ 900 MHz in TEM-cell; f > 1800 MHz: R22 waveguide). NORMx,y,z are only intermediate values, i.e., the uncertainties of NORMx,y,z does not affect the E^2-field uncertainty inside TSL (see below *ConvF*).
- *NORM(f)x,y,z = NORMx,y,z * 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*.
- *DCPx,y,z:* DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal (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
- *Ax,y,z; Bx,y,z; Cx,y,z; Dx,y,z; VRx,y,z: A, B, C, D* 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 ≤ 800 MHz) and inside waveguide using analytical field distributions based on power measurements for f > 800 MHz. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to *NORMx,y,z * 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 ± 50 MHz to ± 100 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 *NORMx* (no uncertainty required).

Probe ES3DV3

SN:3131

Manufactured: February 6, 2007
Calibrated: March 13, 2018

Calibrated for DASY/EASY Systems
(Note: non-compatible with DASY2 system!)

DASY/EASY - Parameters of Probe: ES3DV3 - SN:3131

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm ($\mu V/(V/m)^2$)[A]	1.27	1.26	1.21	± 10.1 %
DCP (mV)[B]	104.8	101.0	102.1	

Modulation Calibration Parameters

UID	Communication System Name		A dB	B dB√μV	C	D dB	VR mV	Unc[E] (k=2)
0	CW	X	0.0	0.0	1.0	0.00	190.2	±3.5 %
		Y	0.0	0.0	1.0		209.7	
		Z	0.0	0.0	1.0		205.3	

Note: For details on UID parameters see Appendix.

Sensor Model Parameters

	C1 fF	C2 fF	α V^{-1}	T1 $ms.V^{-2}$	T2 $ms.V^{-1}$	T3 ms	T4 V^{-2}	T5 V^{-1}	T6
X	59.71	424.3	34.95	29.43	2.926	5.10	0.529	0.536	1.010
Y	55.55	399.2	35.49	28.93	2.461	5.10	0.546	0.521	1.009
Z	63.86	454.3	34.89	29.70	3.365	5.10	0.736	0.556	1.011

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%.

[A] The uncertainties of Norm X,Y,Z do not affect the E^2-field uncertainty inside TSL (see Pages 5 and 6).
[B] Numerical linearization parameter: uncertainty not required.
[E] 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:3131

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) [C]	Relative Permittivity [F]	Conductivity (S/m) [F]	ConvF X	ConvF Y	ConvF Z	Alpha [G]	Depth [G] (mm)	Unc (k=2)
750	41.9	0.89	6.65	6.65	6.65	0.80	1.13	± 12.0 %
835	41.5	0.90	6.35	6.35	6.35	0.80	1.09	± 12.0 %
1750	40.1	1.37	5.57	5.57	5.57	0.41	1.61	± 12.0 %
1900	40.0	1.40	5.27	5.27	5.27	0.55	1.42	± 12.0 %
2300	39.5	1.67	5.01	5.01	5.01	0.78	1.19	± 12.0 %
2450	39.2	1.80	4.75	4.75	4.75	0.71	1.31	± 12.0 %
2600	39.0	1.96	4.56	4.56	4.56	0.64	1.39	± 12.0 %

[C] Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the 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.

[F] At frequencies below 3 GHz, the validity of tissue parameters (ε and σ) 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 (ε and σ) is restricted to ± 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

[G] 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 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:3131

Calibration Parameter Determined in Body Tissue Simulating Media

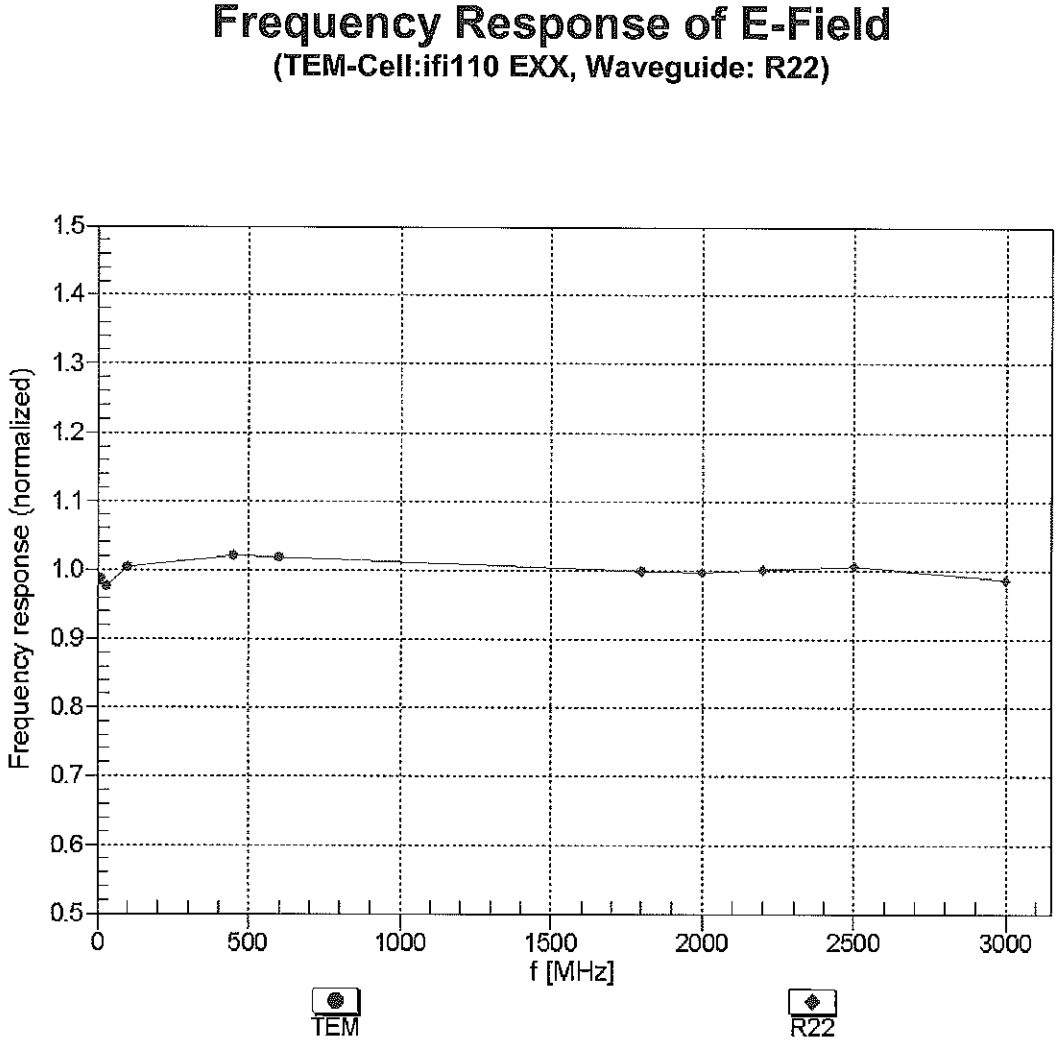
f (MHz) [C]	Relative Permittivity [F]	Conductivity (S/m) [F]	ConvF X	ConvF Y	ConvF Z	Alpha [G]	Depth [G] (mm)	Unc (k=2)
750	55.5	0.96	6.26	6.26	6.26	0.80	1.10	± 12.0 %
835	55.2	0.97	6.14	6.14	6.14	0.80	1.16	± 12.0 %
1750	53.4	1.49	5.03	5.03	5.03	0.69	1.29	± 12.0 %
1900	53.3	1.52	4.80	4.80	4.80	0.45	1.65	± 12.0 %
2300	52.9	1.81	4.59	4.59	4.59	0.80	1.22	± 12.0 %
2450	52.7	1.95	4.45	4.45	4.45	0.80	1.25	± 12.0 %
2600	52.5	2.16	4.25	4.25	4.25	0.80	1.20	± 12.0 %

[C] Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the 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.

[F] At frequencies below 3 GHz, the validity of tissue parameters (ε and σ) 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 (ε and σ) is restricted to ± 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

[G] 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 frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.

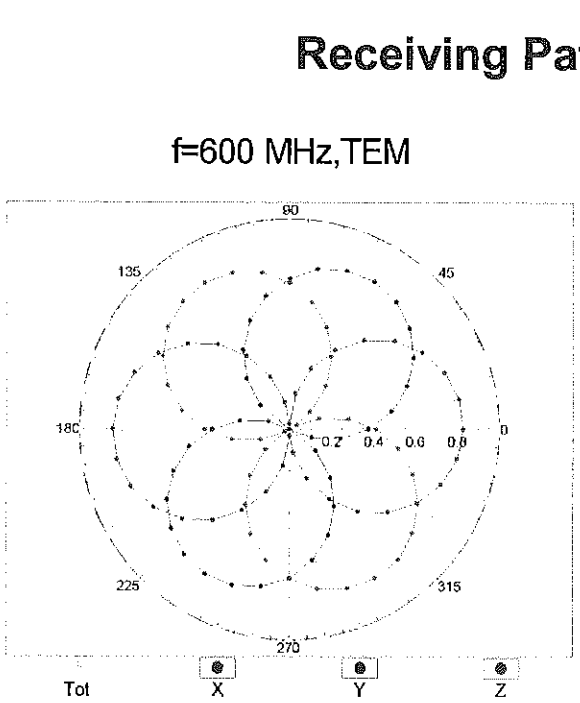
Frequency Response of E-Field
(TEM-Cell:ifi110 EXX, Waveguide: R22)



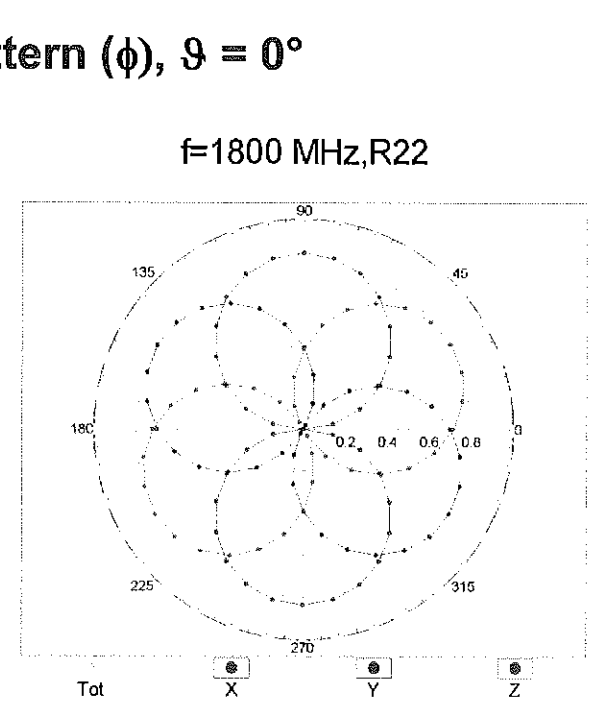
Uncertainty of Frequency Response of E-field: ± 6.3% (k=2)

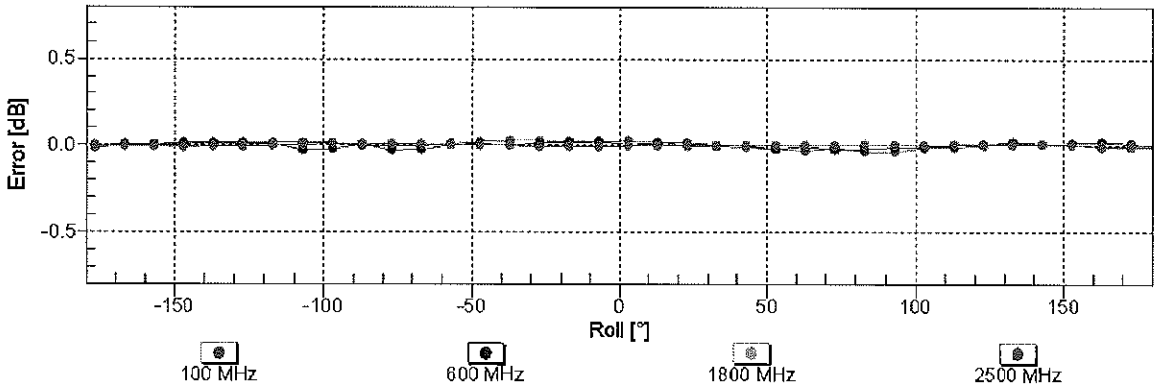
Receiving Pattern (ϕ), ϑ = 0°

f=600 MHz,TEM



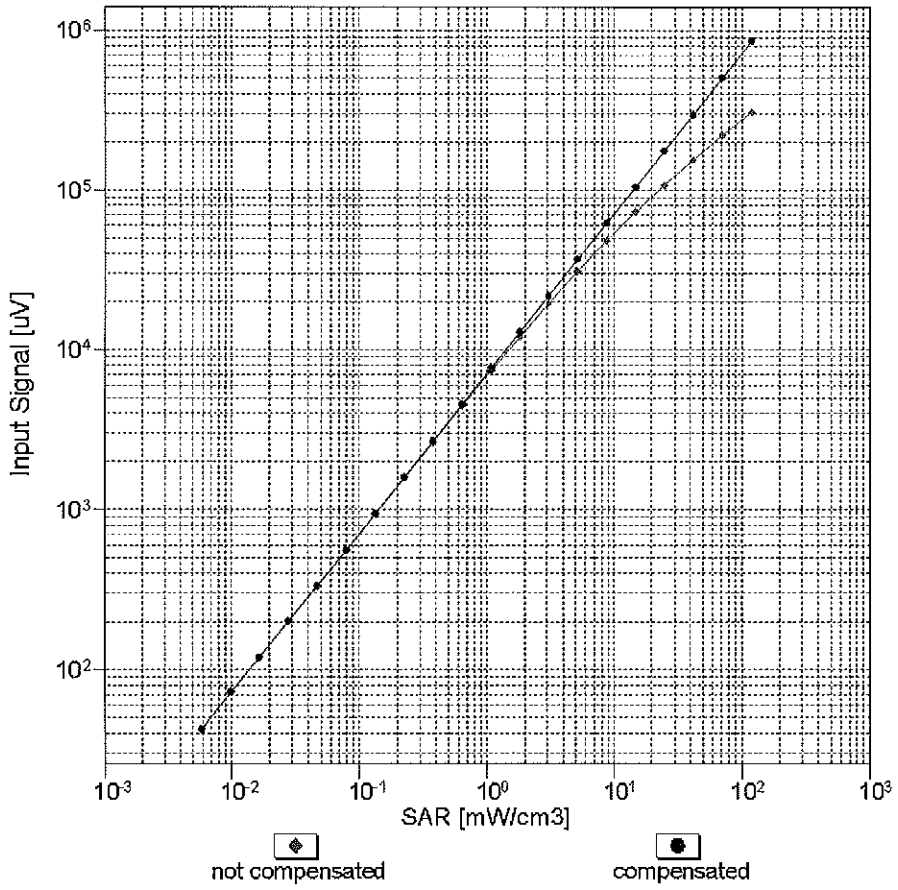
f=1800 MHz,R22

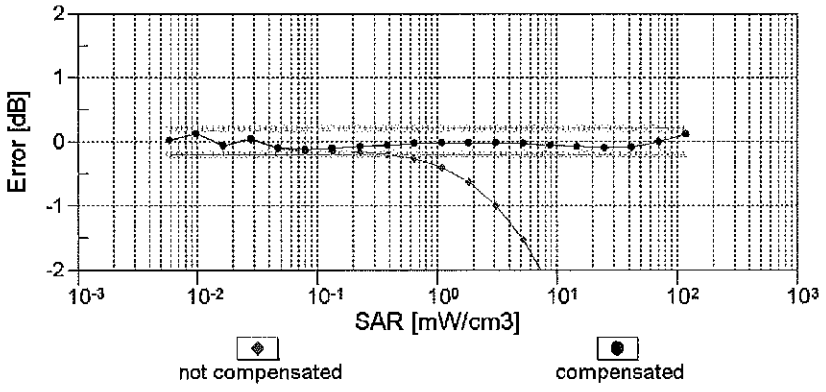




Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

Dynamic Range f(SAR_{head})
(TEM cell , f_{eval}= 1900 MHz)

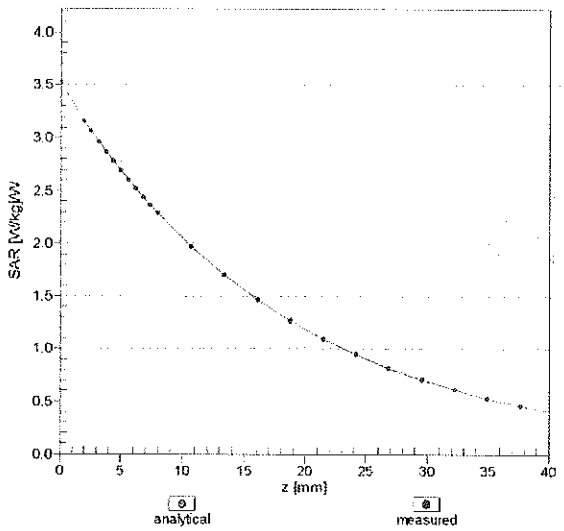




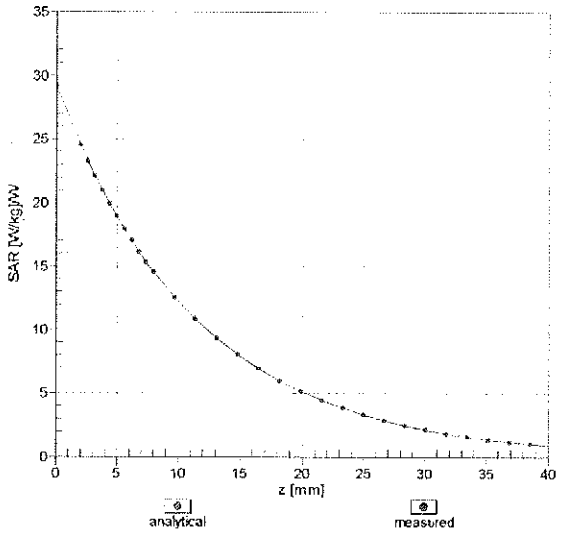
Uncertainty of Linearity Assessment: ± 0.6% (k=2)

Conversion Factor Assessment

f = 835 MHz,WGLS R9 (H_convF)

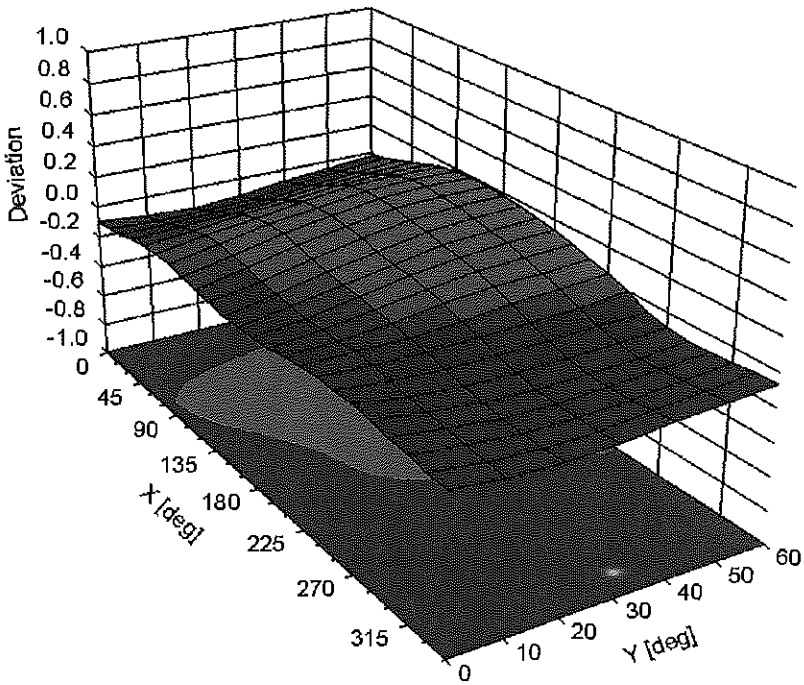


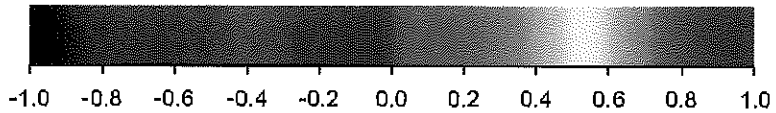
f = 1900 MHz,WGLS R22 (H_convF)



Deviation from Isotropy in Liquid

Error (ϕ, ϑ), f = 900 MHz





Uncertainty of Spherical Isotropy Assessment: ± 2.6% (k=2)

DASY/EASY - Parameters of Probe: ES3DV3 - SN:3131

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	-37
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	10 mm
Tip Diameter	4 mm
Probe Tip to Sensor X Calibration Point	2 mm
Probe Tip to Sensor Y Calibration Point	2 mm
Probe Tip to Sensor Z Calibration Point	2 mm
Recommended Measurement Distance from Surface	3 mm

Appendix: Modulation Calibration Parameters

UID	Communication System Name		A dB	B dB√μV	C	D dB	VR mV	Max Unc[E] (k=2)
0	CW	X	0.00	0.00	1.00	0.00	190.2	± 3.5 %
		Y	0.00	0.00	1.00		209.7	
		Z	0.00	0.00	1.00		205.3	
10010-CAA	SAR Validation (Square, 100ms, 10ms)	X	9.70	81.61	20.07	10.00	25.0	± 9.6 %
		Y	8.09	78.72	18.33		25.0	
		Z	8.65	79.46	19.49		25.0	
10011-CAB	UMTS-FDD (WCDMA)	X	1.28	71.48	17.61	0.00	150.0	± 9.6 %
		Y	0.99	67.09	14.81		150.0	
		Z	1.09	68.27	15.63		150.0	
10012-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	X	1.36	66.34	16.80	0.41	150.0	± 9.6 %
		Y	1.25	64.91	15.58		150.0	
		Z	1.31	65.37	15.94		150.0	
10013-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	X	5.18	67.46	17.61	1.46	150.0	± 9.6 %
		Y	5.07	67.19	17.35		150.0	
		Z	5.19	67.29	17.43		150.0	
10021-DAC	GSM-FDD (TDMA, GMSK)	X	21.37	96.39	26.81	9.39	50.0	± 9.6 %
		Y	30.58	101.71	27.75		50.0	
		Z	14.87	89.78	24.86		50.0	
10023-DAC	GPRS-FDD (TDMA, GMSK, TN 0)	X	19.13	94.38	26.23	9.57	50.0	± 9.6 %
		Y	25.16	98.44	26.84		50.0	
		Z	14.01	88.61	24.51		50.0	
10024-DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	X	100.00	119.54	31.26	6.56	60.0	± 9.6 %
		Y	100.00	117.35	29.89		60.0	
		Z	47.84	108.37	28.65		60.0	
10025-DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	X	22.23	110.40	41.95	12.57	50.0	± 9.6 %
		Y	17.21	103.09	38.95		50.0	
		Z	18.59	103.51	39.13		50.0	
10026-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	X	21.90	105.65	36.48	9.56	60.0	± 9.6 %
		Y	19.07	102.43	35.12		60.0	
		Z	18.57	100.40	34.43		60.0	
10027-DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	X	100.00	118.49	29.81	4.80	80.0	± 9.6 %
		Y	100.00	115.80	28.25		80.0	
		Z	100.00	118.07	29.75		80.0	
10028-DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	X	100.00	118.84	29.12	3.55	100.0	± 9.6 %
		Y	100.00	115.34	27.23		100.0	
		Z	100.00	117.81	28.76		100.0	
10029-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	X	15.03	97.24	32.55	7.80	80.0	± 9.6 %
		Y	12.91	93.88	31.10		80.0	
		Z	13.55	93.79	31.06		80.0	
10030-CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	X	100.00	118.09	29.97	5.30	70.0	± 9.6 %
		Y	100.00	115.53	28.47		70.0	
		Z	100.00	117.95	30.06		70.0	
10031-CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	X	100.00	120.93	28.41	1.88	100.0	± 9.6 %
		Y	100.00	113.98	25.09		100.0	
		Z	100.00	118.18	27.28		100.0	

10032-CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	X	100.00	127.01	29.78	1.17	100.0	± 9.6 %
		Y	100.00	114.85	24.36		100.0	
		Z	100.00	121.16	27.38		100.0	
10033-CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	X	20.78	99.53	27.79	5.30	70.0	± 9.6 %
		Y	19.34	97.65	26.66		70.0	
		Z	13.81	92.04	25.45		70.0	
10034-CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	X	12.96	96.00	25.24	1.88	100.0	± 9.6 %
		Y	7.44	86.66	21.59		100.0	
		Z	6.91	85.91	21.97		100.0	
10035-CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	X	7.00	88.70	22.77	1.17	100.0	± 9.6 %
		Y	3.95	79.50	18.86		100.0	
		Z	4.17	80.37	19.79		100.0	
10036-CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	X	25.54	103.17	28.91	5.30	70.0	± 9.6 %
		Y	24.56	101.70	27.91		70.0	
		Z	15.79	94.44	26.27		70.0	
10037-CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	X	12.38	95.34	25.01	1.88	100.0	± 9.6 %
		Y	7.01	85.86	21.29		100.0	
		Z	6.72	85.54	21.81		100.0	
10038-CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	X	7.40	89.83	23.23	1.17	100.0	± 9.6 %
		Y	4.11	80.29	19.23		100.0	
		Z	4.31	81.10	20.14		100.0	
10039-CAB	CDMA2000 (1xRTT, RC1)	X	2.72	77.70	18.83	0.00	150.0	± 9.6 %
		Y	1.75	71.04	15.31		150.0	
		Z	1.99	72.39	16.50		150.0	
10042-CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	X	59.15	110.49	29.04	7.78	50.0	± 9.6 %
		Y	84.85	113.90	29.06		50.0	
		Z	23.75	96.54	25.38		50.0	
10044-CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	X	0.00	120.72	0.22	0.00	150.0	± 9.6 %
		Y	0.02	127.01	0.12		150.0	
		Z	0.00	108.37	4.86		150.0	
10048-CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	X	11.59	83.57	24.35	13.80	25.0	± 9.6 %
		Y	12.79	85.72	24.55		25.0	
		Z	10.49	80.96	23.58		25.0	
10049-CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	X	13.73	88.07	24.55	10.79	40.0	± 9.6 %
		Y	15.47	90.03	24.62		40.0	
		Z	11.69	84.69	23.55		40.0	
10056-CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	X	13.55	88.32	25.13	9.03	50.0	± 9.6 %
		Y	13.84	88.70	24.80		50.0	
		Z	11.76	85.13	24.06		50.0	
10058-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	X	11.01	91.12	29.68	6.55	100.0	± 9.6 %
		Y	9.50	88.00	28.27		100.0	
		Z	10.33	88.76	28.55		100.0	
10059-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	X	1.58	69.01	18.07	0.61	110.0	± 9.6 %
		Y	1.42	67.12	16.66		110.0	
		Z	1.51	67.68	17.04		110.0	
10060-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	X	100.00	132.95	34.51	1.30	110.0	± 9.6 %
		Y	100.00	128.66	32.37		110.0	
		Z	100.00	129.71	33.09		110.0	

10061-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	X	20.38	108.34	30.72	2.04	110.0	± 9.6 %
		Y	11.19	97.44	27.03		110.0	
		Z	10.04	95.03	26.45		110.0	
10062-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	X	4.90	67.22	16.91	0.49	100.0	± 9.6 %
		Y	4.79	66.93	16.63		100.0	
		Z	4.90	67.02	16.70		100.0	
10063-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	X	4.94	67.39	17.05	0.72	100.0	± 9.6 %
		Y	4.83	67.10	16.77		100.0	
		Z	4.94	67.19	16.85		100.0	
10064-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	X	5.27	67.72	17.31	0.86	100.0	± 9.6 %
		Y	5.15	67.43	17.04		100.0	
		Z	5.29	67.55	17.13		100.0	
10065-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	X	5.18	67.78	17.49	1.21	100.0	± 9.6 %
		Y	5.06	67.46	17.21		100.0	
		Z	5.20	67.61	17.30		100.0	
10066-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	X	5.24	67.92	17.73	1.46	100.0	± 9.6 %
		Y	5.12	67.60	17.44		100.0	
		Z	5.26	67.76	17.55		100.0	
10067-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	X	5.56	68.08	18.18	2.04	100.0	± 9.6 %
		Y	5.44	67.80	17.91		100.0	
		Z	5.59	67.93	18.02		100.0	
10068-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	X	5.71	68.47	18.57	2.55	100.0	± 9.6 %
		Y	5.57	68.12	18.27		100.0	
		Z	5.76	68.36	18.42		100.0	
10069-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	X	5.79	68.41	18.75	2.67	100.0	± 9.6 %
		Y	5.65	68.09	18.46		100.0	
		Z	5.83	68.29	18.60		100.0	
10071-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	X	5.33	67.71	18.01	1.99	100.0	± 9.6 %
		Y	5.22	67.44	17.74		100.0	
		Z	5.35	67.56	17.84		100.0	
10072-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	X	5.41	68.32	18.35	2.30	100.0	± 9.6 %
		Y	5.28	67.99	18.07		100.0	
		Z	5.43	68.17	18.17		100.0	
10073-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	X	5.55	68.71	18.79	2.83	100.0	± 9.6 %
		Y	5.42	68.35	18.49		100.0	
		Z	5.59	68.57	18.62		100.0	
10074-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	X	5.60	68.80	19.06	3.30	100.0	± 9.6 %
		Y	5.46	68.43	18.75		100.0	
		Z	5.64	68.69	18.91		100.0	
10075-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	X	5.77	69.35	19.60	3.82	90.0	± 9.6 %
		Y	5.61	68.90	19.23		90.0	
		Z	5.83	69.29	19.46		90.0	
10076-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	X	5.79	69.16	19.72	4.15	90.0	± 9.6 %
		Y	5.63	68.72	19.36		90.0	
		Z	5.84	69.09	19.58		90.0	
10077-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	X	5.83	69.26	19.83	4.30	90.0	± 9.6 %
		Y	5.67	68.81	19.47		90.0	
		Z	5.89	69.20	19.69		90.0	

10081-CAB	CDMA2000 (1xRTT, RC3)	X	1.20	71.01	15.79	0.00	150.0	± 9.6 %
		Y	0.81	65.47	12.21		150.0	
		Z	0.96	67.03	13.66		150.0	
10082-CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	X	2.34	64.70	9.44	4.77	80.0	± 9.6 %
		Y	1.96	63.12	8.15		80.0	
		Z	2.41	64.66	9.57		80.0	
10090-DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	X	100.00	119.63	31.33	6.56	60.0	± 9.6 %
		Y	100.00	117.44	29.96		60.0	
		Z	46.14	107.88	28.56		60.0	
10097-CAB	UMTS-FDD (HSDPA)	X	1.98	69.13	16.74	0.00	150.0	± 9.6 %
		Y	1.78	67.31	15.40		150.0	
		Z	1.85	67.66	15.78		150.0	
10098-CAB	UMTS-FDD (HSUPA, Subtest 2)	X	1.94	69.14	16.74	0.00	150.0	± 9.6 %
		Y	1.74	67.26	15.37		150.0	
		Z	1.81	67.64	15.76		150.0	
10099-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	X	21.76	105.45	36.41	9.56	60.0	± 9.6 %
		Y	19.00	102.30	35.08		60.0	
		Z	18.47	100.23	34.37		60.0	
10100-CAD	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	3.49	72.16	17.57	0.00	150.0	± 9.6 %
		Y	3.13	70.27	16.47		150.0	
		Z	3.30	70.93	16.79		150.0	
10101-CAD	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	3.43	68.49	16.49	0.00	150.0	± 9.6 %
		Y	3.26	67.60	15.84		150.0	
		Z	3.37	67.97	16.05		150.0	
10102-CAD	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	3.52	68.35	16.53	0.00	150.0	± 9.6 %
		Y	3.36	67.55	15.94		150.0	
		Z	3.47	67.86	16.12		150.0	
10103-CAD	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	8.96	78.81	21.55	3.98	65.0	± 9.6 %
		Y	8.50	78.18	21.18		65.0	
		Z	8.56	77.50	20.90		65.0	
10104-CAD	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	8.82	77.41	21.87	3.98	65.0	± 9.6 %
		Y	8.44	76.84	21.50		65.0	
		Z	8.69	76.68	21.44		65.0	
10105-CAD	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	7.81	74.99	21.11	3.98	65.0	± 9.6 %
		Y	7.78	75.24	21.10		65.0	
		Z	7.67	74.19	20.64		65.0	
10108-CAE	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	3.07	71.34	17.42	0.00	150.0	± 9.6 %
		Y	2.75	69.52	16.31		150.0	
		Z	2.92	70.12	16.62		150.0	
10109-CAE	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	3.10	68.36	16.46	0.00	150.0	± 9.6 %
		Y	2.92	67.40	15.75		150.0	
		Z	3.04	67.74	15.98		150.0	
10110-CAE	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	2.52	70.52	17.19	0.00	150.0	± 9.6 %
		Y	2.24	68.59	15.93		150.0	
		Z	2.39	69.17	16.31		150.0	
10111-CAE	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	2.81	69.10	16.82	0.00	150.0	± 9.6 %
		Y	2.62	68.01	15.98		150.0	
		Z	2.73	68.19	16.21		150.0	

10112-CAE	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	3.21	68.23	16.45	0.00	150.0	± 9.6 %
		Y	3.04	67.37	15.80		150.0	
		Z	3.16	67.65	16.00		150.0	
10113-CAE	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	2.96	69.10	16.88	0.00	150.0	± 9.6 %
		Y	2.77	68.13	16.12		150.0	
		Z	2.88	68.24	16.31		150.0	
10114-CAC	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	X	5.24	67.53	16.64	0.00	150.0	± 9.6 %
		Y	5.16	67.27	16.41		150.0	
		Z	5.23	67.33	16.43		150.0	
10115-CAC	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	X	5.61	67.85	16.80	0.00	150.0	± 9.6 %
		Y	5.52	67.61	16.59		150.0	
		Z	5.60	67.65	16.60		150.0	
10116-CAC	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	X	5.38	67.81	16.71	0.00	150.0	± 9.6 %
		Y	5.28	67.54	16.47		150.0	
		Z	5.36	67.60	16.49		150.0	
10117-CAC	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	X	5.25	67.54	16.67	0.00	150.0	± 9.6 %
		Y	5.15	67.21	16.40		150.0	
		Z	5.24	67.36	16.47		150.0	
10118-CAC	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	X	5.69	68.04	16.91	0.00	150.0	± 9.6 %
		Y	5.61	67.82	16.70		150.0	
		Z	5.67	67.78	16.67		150.0	
10119-CAC	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	X	5.35	67.76	16.70	0.00	150.0	± 9.6 %
		Y	5.26	67.48	16.45		150.0	
		Z	5.33	67.55	16.48		150.0	
10140-CAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	3.57	68.35	16.45	0.00	150.0	± 9.6 %
		Y	3.41	67.55	15.86		150.0	
		Z	3.52	67.87	16.05		150.0	
10141-CAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	3.69	68.36	16.57	0.00	150.0	± 9.6 %
		Y	3.53	67.63	16.03		150.0	
		Z	3.64	67.90	16.19		150.0	
10142-CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	2.31	70.70	17.09	0.00	150.0	± 9.6 %
		Y	2.01	68.47	15.61		150.0	
		Z	2.16	69.06	16.10		150.0	
10143-CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	2.72	70.07	16.82	0.00	150.0	± 9.6 %
		Y	2.47	68.60	15.71		150.0	
		Z	2.60	68.79	16.08		150.0	
10144-CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	2.51	67.97	15.36	0.00	150.0	± 9.6 %
		Y	2.28	66.59	14.25		150.0	
		Z	2.44	67.05	14.81		150.0	
10145-CAE	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	1.68	69.24	14.82	0.00	150.0	± 9.6 %
		Y	1.28	65.49	12.22		150.0	
		Z	1.52	67.19	13.80		150.0	
10146-CAE	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	3.59	74.27	16.49	0.00	150.0	± 9.6 %
		Y	2.48	69.03	13.53		150.0	
		Z	3.48	73.38	16.27		150.0	
10147-CAE	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	4.81	78.43	18.29	0.00	150.0	± 9.6 %
		Y	3.06	71.86	14.93		150.0	
		Z	4.39	76.74	17.80		150.0	

10149-CAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	3.11	68.42	16.50	0.00	150.0	± 9.6 %
		Y	2.93	67.46	15.79		150.0	
		Z	3.05	67.79	16.02		150.0	
10150-CAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	3.22	68.28	16.49	0.00	150.0	± 9.6 %
		Y	3.05	67.42	15.84		150.0	
		Z	3.17	67.70	16.04		150.0	
10151-CAD	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	9.55	81.17	22.58	3.98	65.0	± 9.6 %
		Y	9.21	80.82	22.29		65.0	
		Z	9.01	79.54	21.81		65.0	
10152-CAD	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	8.49	77.73	21.79	3.98	65.0	± 9.6 %
		Y	8.06	77.04	21.32		65.0	
		Z	8.33	76.87	21.33		65.0	
10153-CAD	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	8.83	78.38	22.38	3.98	65.0	± 9.6 %
		Y	8.47	77.90	22.02		65.0	
		Z	8.65	77.49	21.91		65.0	
10154-CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	2.59	70.99	17.47	0.00	150.0	± 9.6 %
		Y	2.29	69.02	16.20		150.0	
		Z	2.45	69.60	16.57		150.0	
10155-CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	2.81	69.11	16.83	0.00	150.0	± 9.6 %
		Y	2.62	68.02	15.99		150.0	
		Z	2.73	68.19	16.22		150.0	
10156-CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	2.20	71.20	17.17	0.00	150.0	± 9.6 %
		Y	1.86	68.56	15.44		150.0	
		Z	2.03	69.28	16.06		150.0	
10157-CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	2.39	68.89	15.65	0.00	150.0	± 9.6 %
		Y	2.11	67.10	14.29		150.0	
		Z	2.28	67.64	14.94		150.0	
10158-CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	2.96	69.15	16.92	0.00	150.0	± 9.6 %
		Y	2.78	68.19	16.16		150.0	
		Z	2.88	68.29	16.35		150.0	
10159-CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	2.51	69.32	15.92	0.00	150.0	± 9.6 %
		Y	2.22	67.54	14.58		150.0	
		Z	2.39	68.04	15.21		150.0	
10160-CAD	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	2.99	69.94	17.05	0.00	150.0	± 9.6 %
		Y	2.77	68.65	16.16		150.0	
		Z	2.88	68.94	16.37		150.0	
10161-CAD	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	3.11	68.19	16.45	0.00	150.0	± 9.6 %
		Y	2.95	67.33	15.77		150.0	
		Z	3.06	67.58	15.98		150.0	
10162-CAD	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	3.22	68.24	16.50	0.00	150.0	± 9.6 %
		Y	3.05	67.44	15.87		150.0	
		Z	3.16	67.62	16.05		150.0	
10166-CAE	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	3.96	70.82	19.89	3.01	150.0	± 9.6 %
		Y	3.78	70.13	19.34		150.0	
		Z	4.03	70.67	19.70		150.0	
10167-CAE	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	5.11	74.26	20.56	3.01	150.0	± 9.6 %
		Y	4.79	73.27	19.88		150.0	
		Z	5.26	74.15	20.39		150.0	

10168-CAE	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	5.60	76.23	21.70	3.01	150.0	± 9.6 %
		Y	5.31	75.53	21.18		150.0	
		Z	5.73	76.01	21.47		150.0	
10169-CAD	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	3.58	72.12	20.50	3.01	150.0	± 9.6 %
		Y	3.30	70.64	19.56		150.0	
		Z	3.78	72.59	20.51		150.0	
10170-CAD	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	5.42	79.38	23.12	3.01	150.0	± 9.6 %
		Y	4.85	77.44	22.11		150.0	
		Z	5.84	79.95	23.10		150.0	
10171-AAD	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	4.40	74.87	20.38	3.01	150.0	± 9.6 %
		Y	3.89	72.72	19.17		150.0	
		Z	4.70	75.31	20.35		150.0	
10172-CAD	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	34.94	113.16	34.77	6.02	65.0	± 9.6 %
		Y	22.71	105.08	32.22		65.0	
		Z	26.85	106.59	32.64		65.0	
10173-CAD	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	37.64	109.23	31.90	6.02	65.0	± 9.6 %
		Y	35.13	108.10	31.31		65.0	
		Z	28.94	103.32	30.05		65.0	
10174-CAD	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	28.41	102.80	29.56	6.02	65.0	± 9.6 %
		Y	26.93	102.01	29.05		65.0	
		Z	22.73	97.84	27.96		65.0	
10175-CAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	3.53	71.78	20.25	3.01	150.0	± 9.6 %
		Y	3.25	70.28	19.30		150.0	
		Z	3.72	72.23	20.26		150.0	
10176-CAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	5.43	79.41	23.13	3.01	150.0	± 9.6 %
		Y	4.86	77.46	22.12		150.0	
		Z	5.85	79.97	23.11		150.0	
10177-CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	3.57	71.95	20.35	3.01	150.0	± 9.6 %
		Y	3.28	70.45	19.40		150.0	
		Z	3.76	72.40	20.36		150.0	
10178-CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	X	5.35	79.11	22.99	3.01	150.0	± 9.6 %
		Y	4.79	77.17	21.97		150.0	
		Z	5.76	79.65	22.96		150.0	
10179-CAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	4.87	77.00	21.61	3.01	150.0	± 9.6 %
		Y	4.32	74.89	20.48		150.0	
		Z	5.21	77.44	21.57		150.0	
10180-CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	X	4.38	74.78	20.32	3.01	150.0	± 9.6 %
		Y	3.87	72.63	19.11		150.0	
		Z	4.68	75.20	20.29		150.0	
10181-CAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	3.56	71.93	20.34	3.01	150.0	± 9.6 %
		Y	3.28	70.44	19.39		150.0	
		Z	3.75	72.39	20.35		150.0	
10182-CAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	5.34	79.09	22.98	3.01	150.0	± 9.6 %
		Y	4.78	77.14	21.96		150.0	
		Z	5.75	79.62	22.95		150.0	
10183-AAC	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	4.37	74.75	20.31	3.01	150.0	± 9.6 %
		Y	3.86	72.60	19.10		150.0	
		Z	4.67	75.17	20.28		150.0	

10184-CAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	3.57	71.98	20.36	3.01	150.0	± 9.6 %
		Y	3.29	70.48	19.42		150.0	
		Z	3.76	72.43	20.37		150.0	
10185-CAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	X	5.37	79.16	23.01	3.01	150.0	± 9.6 %
		Y	4.81	77.22	22.00		150.0	
		Z	5.78	79.70	22.98		150.0	
10186-AAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	X	4.40	74.83	20.35	3.01	150.0	± 9.6 %
		Y	3.88	72.68	19.14		150.0	
		Z	4.70	75.25	20.31		150.0	
10187-CAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	3.58	72.02	20.42	3.01	150.0	± 9.6 %
		Y	3.30	70.53	19.48		150.0	
		Z	3.77	72.48	20.43		150.0	
10188-CAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	5.57	79.92	23.41	3.01	150.0	± 9.6 %
		Y	5.00	78.02	22.42		150.0	
		Z	6.00	80.49	23.39		150.0	
10189-AAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	4.51	75.31	20.63	3.01	150.0	± 9.6 %
		Y	3.98	73.16	19.43		150.0	
		Z	4.82	75.75	20.60		150.0	
10193-CAC	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	X	4.67	66.97	16.43	0.00	150.0	± 9.6 %
		Y	4.56	66.66	16.13		150.0	
		Z	4.66	66.74	16.22		150.0	
10194-CAC	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	X	4.86	67.33	16.54	0.00	150.0	± 9.6 %
		Y	4.75	67.00	16.25		150.0	
		Z	4.86	67.11	16.33		150.0	
10195-CAC	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	X	4.90	67.34	16.55	0.00	150.0	± 9.6 %
		Y	4.79	67.02	16.26		150.0	
		Z	4.90	67.12	16.33		150.0	
10196-CAC	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	X	4.68	67.07	16.46	0.00	150.0	± 9.6 %
		Y	4.57	66.74	16.16		150.0	
		Z	4.68	66.84	16.25		150.0	
10197-CAC	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	X	4.88	67.35	16.56	0.00	150.0	± 9.6 %
		Y	4.76	67.02	16.26		150.0	
		Z	4.87	67.14	16.34		150.0	
10198-CAC	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	X	4.91	67.36	16.56	0.00	150.0	± 9.6 %
		Y	4.79	67.04	16.28		150.0	
		Z	4.90	67.14	16.35		150.0	
10219-CAC	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	X	4.63	67.08	16.43	0.00	150.0	± 9.6 %
		Y	4.52	66.75	16.12		150.0	
		Z	4.63	66.86	16.22		150.0	
10220-CAC	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	X	4.88	67.34	16.55	0.00	150.0	± 9.6 %
		Y	4.76	67.01	16.26		150.0	
		Z	4.87	67.13	16.34		150.0	
10221-CAC	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	X	4.91	67.29	16.55	0.00	150.0	± 9.6 %
		Y	4.80	66.97	16.26		150.0	
		Z	4.91	67.07	16.34		150.0	
10222-CAC	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	X	5.23	67.56	16.67	0.00	150.0	± 9.6 %
		Y	5.12	67.23	16.39		150.0	
		Z	5.22	67.38	16.47		150.0	

10223-CAC	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	X	5.59	67.88	16.85	0.00	150.0	± 9.6 %
		Y	5.45	67.47	16.54		150.0	
		Z	5.60	67.75	16.68		150.0	
10224-CAC	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	X	5.27	67.65	16.64	0.00	150.0	± 9.6 %
		Y	5.17	67.32	16.36		150.0	
		Z	5.27	67.48	16.44		150.0	
10225-CAB	UMTS-FDD (HSPA+)	X	2.95	66.74	15.92	0.00	150.0	± 9.6 %
		Y	2.82	66.08	15.31		150.0	
		Z	2.92	66.24	15.55		150.0	
10226-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	39.92	110.44	32.32	6.02	65.0	± 9.6 %
		Y	37.98	109.65	31.83		65.0	
		Z	30.32	104.28	30.40		65.0	
10227-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	30.54	104.19	30.05	6.02	65.0	± 9.6 %
		Y	29.85	103.92	29.69		65.0	
		Z	24.24	99.06	28.40		65.0	
10228-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	40.97	116.76	35.87	6.02	65.0	± 9.6 %
		Y	33.05	112.71	34.49		65.0	
		Z	30.60	109.58	33.61		65.0	
10229-CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	X	37.64	109.22	31.90	6.02	65.0	± 9.6 %
		Y	35.21	108.13	31.33		65.0	
		Z	28.96	103.32	30.05		65.0	
10230-CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	X	29.14	103.27	29.72	6.02	65.0	± 9.6 %
		Y	28.04	102.73	29.28		65.0	
		Z	23.34	98.31	28.11		65.0	
10231-CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	38.69	115.50	35.45	6.02	65.0	± 9.6 %
		Y	30.84	111.23	34.00		65.0	
		Z	29.25	108.59	33.26		65.0	
10232-CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	X	37.64	109.22	31.91	6.02	65.0	± 9.6 %
		Y	35.20	108.13	31.32		65.0	
		Z	28.95	103.32	30.05		65.0	
10233-CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	X	29.17	103.30	29.73	6.02	65.0	± 9.6 %
		Y	28.04	102.74	29.28		65.0	
		Z	23.35	98.33	28.12		65.0	
10234-CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	36.40	114.09	34.96	6.02	65.0	± 9.6 %
		Y	28.84	109.71	33.46		65.0	
		Z	27.86	107.46	32.84		65.0	
10235-CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	37.79	109.31	31.93	6.02	65.0	± 9.6 %
		Y	35.33	108.21	31.35		65.0	
		Z	29.02	103.38	30.07		65.0	
10236-CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	29.44	103.44	29.76	6.02	65.0	± 9.6 %
		Y	28.30	102.88	29.31		65.0	
		Z	23.52	98.44	28.15		65.0	
10237-CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	39.17	115.77	35.53	6.02	65.0	± 9.6 %
		Y	31.13	111.44	34.06		65.0	
		Z	29.52	108.79	33.31		65.0	
10238-CAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	37.67	109.25	31.91	6.02	65.0	± 9.6 %
		Y	35.21	108.15	31.33		65.0	
		Z	28.96	103.33	30.06		65.0	

10239-CAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	29.19	103.33	29.73	6.02	65.0	± 9.6 %
		Y	28.04	102.76	29.28		65.0	
		Z	23.36	98.35	28.12		65.0	
10240-CAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	39.02	115.70	35.51	6.02	65.0	± 9.6 %
		Y	31.02	111.38	34.04		65.0	
		Z	29.43	108.74	33.30		65.0	
10241-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	12.98	87.83	27.99	6.98	65.0	± 9.6 %
		Y	12.11	86.66	27.31		65.0	
		Z	12.95	87.02	27.60		65.0	
10242-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	11.85	85.78	27.12	6.98	65.0	± 9.6 %
		Y	11.82	86.11	27.03		65.0	
		Z	11.69	84.73	26.63		65.0	
10243-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	9.73	83.39	27.11	6.98	65.0	± 9.6 %
		Y	8.46	80.56	25.70		65.0	
		Z	9.65	82.46	26.63		65.0	
10244-CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	9.87	81.23	21.47	3.98	65.0	± 9.6 %
		Y	9.25	80.21	20.66		65.0	
		Z	9.69	80.52	21.33		65.0	
10245-CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	9.71	80.72	21.24	3.98	65.0	± 9.6 %
		Y	9.06	79.63	20.40		65.0	
		Z	9.59	80.11	21.14		65.0	
10246-CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	10.11	84.44	22.62	3.98	65.0	± 9.6 %
		Y	9.22	82.93	21.64		65.0	
		Z	8.93	81.85	21.69		65.0	
10247-CAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	8.06	78.54	20.96	3.98	65.0	± 9.6 %
		Y	7.54	77.59	20.24		65.0	
		Z	7.77	77.42	20.53		65.0	
10248-CAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	8.03	78.04	20.76	3.98	65.0	± 9.6 %
		Y	7.49	77.03	20.00		65.0	
		Z	7.80	77.05	20.38		65.0	
10249-CAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	10.98	86.04	23.80	3.98	65.0	± 9.6 %
		Y	10.39	85.20	23.16		65.0	
		Z	9.61	83.12	22.69		65.0	
10250-CAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	8.85	80.19	22.80	3.98	65.0	± 9.6 %
		Y	8.49	79.74	22.41		65.0	
		Z	8.52	78.91	22.21		65.0	
10251-CAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	8.39	78.14	21.73	3.98	65.0	± 9.6 %
		Y	7.96	77.45	21.21		65.0	
		Z	8.18	77.14	21.25		65.0	
10252-CAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	10.49	84.62	23.91	3.98	65.0	± 9.6 %
		Y	10.11	84.24	23.55		65.0	
		Z	9.51	82.20	22.88		65.0	
10253-CAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	8.26	77.12	21.58	3.98	65.0	± 9.6 %
		Y	7.86	76.46	21.11		65.0	
		Z	8.13	76.32	21.16		65.0	
10254-CAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	8.62	77.80	22.14	3.98	65.0	± 9.6 %
		Y	8.26	77.29	21.75		65.0	
		Z	8.47	76.96	21.70		65.0	

10255-CAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	9.24	80.82	22.69	3.98	65.0	± 9.6 %
		Y	8.89	80.44	22.37		65.0	
		Z	8.76	79.27	21.94		65.0	
10256-CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	8.83	79.06	19.89	3.98	65.0	± 9.6 %
		Y	7.90	77.28	18.69		65.0	
		Z	8.86	78.81	19.98		65.0	
10257-CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	8.62	78.33	19.52	3.98	65.0	± 9.6 %
		Y	7.66	76.48	18.29		65.0	
		Z	8.72	78.23	19.68		65.0	
10258-CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	8.73	81.62	21.03	3.98	65.0	± 9.6 %
		Y	7.58	79.33	19.66		65.0	
		Z	8.01	79.82	20.43		65.0	
10259-CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	8.37	79.10	21.60	3.98	65.0	± 9.6 %
		Y	7.91	78.35	21.00		65.0	
		Z	8.06	77.92	21.11		65.0	
10260-CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	8.37	78.81	21.51	3.98	65.0	± 9.6 %
		Y	7.91	78.05	20.90		65.0	
		Z	8.10	77.72	21.05		65.0	
10261-CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	10.34	84.80	23.65	3.98	65.0	± 9.6 %
		Y	9.82	84.08	23.09		65.0	
		Z	9.28	82.27	22.63		65.0	
10262-CAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	8.84	80.16	22.77	3.98	65.0	± 9.6 %
		Y	8.48	79.69	22.38		65.0	
		Z	8.51	78.88	22.18		65.0	
10263-CAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	8.38	78.13	21.73	3.98	65.0	± 9.6 %
		Y	7.95	77.44	21.21		65.0	
		Z	8.17	77.14	21.26		65.0	
10264-CAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	10.42	84.49	23.84	3.98	65.0	± 9.6 %
		Y	10.03	84.06	23.46		65.0	
		Z	9.46	82.08	22.82		65.0	
10265-CAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	8.49	77.73	21.79	3.98	65.0	± 9.6 %
		Y	8.06	77.04	21.33		65.0	
		Z	8.33	76.88	21.33		65.0	
10266-CAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	8.83	78.38	22.38	3.98	65.0	± 9.6 %
		Y	8.47	77.89	22.02		65.0	
		Z	8.66	77.49	21.90		65.0	
10267-CAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	9.53	81.14	22.57	3.98	65.0	± 9.6 %
		Y	9.19	80.79	22.27		65.0	
		Z	8.99	79.51	21.80		65.0	
10268-CAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	8.88	77.07	21.86	3.98	65.0	± 9.6 %
		Y	8.53	76.57	21.52		65.0	
		Z	8.78	76.39	21.46		65.0	
10269-CAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	8.79	76.65	21.76	3.98	65.0	± 9.6 %
		Y	8.45	76.15	21.41		65.0	
		Z	8.71	76.02	21.39		65.0	
10270-CAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	8.94	78.31	21.61	3.98	65.0	± 9.6 %
		Y	8.64	77.99	21.35		65.0	
		Z	8.68	77.27	21.06		65.0	

10274-CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	X	2.71	67.13	15.85	0.00	150.0	± 9.6 %
		Y	2.57	66.31	15.13		150.0	
		Z	2.64	66.45	15.37		150.0	
10275-CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	X	1.85	70.30	16.99	0.00	150.0	± 9.6 %
		Y	1.58	67.65	15.24		150.0	
		Z	1.69	68.38	15.77		150.0	
10277-CAA	PHS (QPSK)	X	5.94	70.38	14.66	9.03	50.0	± 9.6 %
		Y	5.17	68.50	13.15		50.0	
		Z	6.22	70.77	15.16		50.0	
10278-CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	X	9.51	80.33	21.13	9.03	50.0	± 9.6 %
		Y	8.70	78.78	19.94		50.0	
		Z	9.27	79.51	21.02		50.0	
10279-CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	X	9.68	80.54	21.22	9.03	50.0	± 9.6 %
		Y	8.84	78.95	20.02		50.0	
		Z	9.44	79.73	21.11		50.0	
10290-AAB	CDMA2000, RC1, SO55, Full Rate	X	2.06	73.44	16.85	0.00	150.0	± 9.6 %
		Y	1.43	68.22	13.77		150.0	
		Z	1.66	69.67	15.05		150.0	
10291-AAB	CDMA2000, RC3, SO55, Full Rate	X	1.16	70.60	15.59	0.00	150.0	± 9.6 %
		Y	0.80	65.26	12.08		150.0	
		Z	0.93	66.77	13.52		150.0	
10292-AAB	CDMA2000, RC3, SO32, Full Rate	X	1.81	78.25	19.24	0.00	150.0	± 9.6 %
		Y	0.97	68.79	14.20		150.0	
		Z	1.15	70.64	15.76		150.0	
10293-AAB	CDMA2000, RC3, SO3, Full Rate	X	3.34	88.05	23.27	0.00	150.0	± 9.6 %
		Y	1.42	74.19	17.06		150.0	
		Z	1.58	75.44	18.29		150.0	
10295-AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	X	11.20	84.73	24.67	9.03	50.0	± 9.6 %
		Y	11.16	84.72	24.22		50.0	
		Z	10.30	82.53	23.89		50.0	
10297-AAC	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	3.08	71.44	17.49	0.00	150.0	± 9.6 %
		Y	2.76	69.62	16.37		150.0	
		Z	2.93	70.21	16.68		150.0	
10298-AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	2.00	70.97	16.35	0.00	150.0	± 9.6 %
		Y	1.59	67.59	14.12		150.0	
		Z	1.80	68.71	15.16		150.0	
10299-AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	4.04	75.60	17.83	0.00	150.0	± 9.6 %
		Y	3.13	71.73	15.61		150.0	
		Z	3.87	74.41	17.40		150.0	
10300-AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	2.81	69.39	14.43	0.00	150.0	± 9.6 %
		Y	2.30	66.70	12.58		150.0	
		Z	2.87	69.17	14.42		150.0	
10301-AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	X	5.89	68.81	19.16	4.17	80.0	± 9.6 %
		Y	5.66	68.36	18.79		80.0	
		Z	5.92	68.57	18.96		80.0	
10302-AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols)	X	6.47	69.89	20.19	4.96	80.0	± 9.6 %
		Y	6.05	68.47	19.23		80.0	
		Z	6.55	69.84	20.10		80.0	

10303-AAA	IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	X	6.36	70.13	20.33	4.96	80.0	± 9.6 %
		Y	5.89	68.50	19.26		80.0	
		Z	6.45	70.13	20.27		80.0	
10304-AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	X	5.92	69.16	19.37	4.17	80.0	± 9.6 %
		Y	5.54	67.83	18.47		80.0	
		Z	5.99	69.06	19.25		80.0	
10305-AAA	IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)	X	8.54	79.67	25.07	6.02	50.0	± 9.6 %
		Y	8.44	80.60	25.43		50.0	
		Z	8.86	79.98	25.15		50.0	
10306-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)	X	7.15	74.17	22.93	6.02	50.0	± 9.6 %
		Y	6.22	70.94	21.02		50.0	
		Z	7.34	74.36	22.97		50.0	
10307-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)	X	7.37	75.21	23.20	6.02	50.0	± 9.6 %
		Y	7.05	75.26	23.20		50.0	
		Z	7.59	75.43	23.23		50.0	
10308-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	X	7.50	75.84	23.49	6.02	50.0	± 9.6 %
		Y	7.19	75.98	23.54		50.0	
		Z	7.73	76.05	23.51		50.0	
10309-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols)	X	7.30	74.58	23.14	6.02	50.0	± 9.6 %
		Y	6.32	71.25	21.19		50.0	
		Z	7.50	74.75	23.17		50.0	
10310-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)	X	7.21	74.54	23.00	6.02	50.0	± 9.6 %
		Y	6.23	71.15	21.02		50.0	
		Z	7.41	74.72	23.02		50.0	
10311-AAC	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	3.45	70.59	17.05	0.00	150.0	± 9.6 %
		Y	3.11	68.90	16.04		150.0	
		Z	3.28	69.48	16.32		150.0	
10313-AAA	iDEN 1:3	X	8.25	79.81	19.40	6.99	70.0	± 9.6 %
		Y	7.09	77.52	18.13		70.0	
		Z	7.19	77.26	18.43		70.0	
10314-AAA	iDEN 1:6	X	10.47	85.49	23.78	10.00	30.0	± 9.6 %
		Y	9.83	84.58	23.09		30.0	
		Z	8.47	81.15	22.18		30.0	
10315-AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	X	1.20	65.79	16.55	0.17	150.0	± 9.6 %
		Y	1.11	64.35	15.27		150.0	
		Z	1.16	64.78	15.62		150.0	
10316-AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	X	4.78	67.18	16.65	0.17	150.0	± 9.6 %
		Y	4.67	66.86	16.35		150.0	
		Z	4.77	66.96	16.43		150.0	
10317-AAC	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	X	4.78	67.18	16.65	0.17	150.0	± 9.6 %
		Y	4.67	66.86	16.35		150.0	
		Z	4.77	66.96	16.43		150.0	
10400-AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	X	4.87	67.42	16.55	0.00	150.0	± 9.6 %
		Y	4.75	67.07	16.25		150.0	
		Z	4.87	67.19	16.33		150.0	
10401-AAD	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	X	5.51	67.49	16.64	0.00	150.0	± 9.6 %
		Y	5.43	67.26	16.42		150.0	
		Z	5.49	67.26	16.42		150.0	

10402-AAD	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	X	5.81	67.96	16.71	0.00	150.0	± 9.6 %
		Y	5.70	67.66	16.46		150.0	
		Z	5.79	67.80	16.52		150.0	
10403-AAB	CDMA2000 (1xEV-DO, Rev. 0)	X	2.06	73.44	16.85	0.00	115.0	± 9.6 %
		Y	1.43	68.22	13.77		115.0	
		Z	1.66	69.67	15.05		115.0	
10404-AAB	CDMA2000 (1xEV-DO, Rev. A)	X	2.06	73.44	16.85	0.00	115.0	± 9.6 %
		Y	1.43	68.22	13.77		115.0	
		Z	1.66	69.67	15.05		115.0	
10406-AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	X	100.00	125.25	32.47	0.00	100.0	± 9.6 %
		Y	92.30	121.40	30.74		100.0	
		Z	100.00	123.39	31.76		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	121.01	31.06	3.23	80.0	± 9.6 %
		Y	100.00	119.50	30.06		80.0	
		Z	100.00	119.85	30.68		80.0	
10415-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	X	1.04	64.03	15.57	0.00	150.0	± 9.6 %
		Y	0.96	62.80	14.36		150.0	
		Z	1.00	63.15	14.69		150.0	
10416-AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	X	4.67	67.01	16.48	0.00	150.0	± 9.6 %
		Y	4.57	66.70	16.19		150.0	
		Z	4.66	66.77	16.26		150.0	
10417-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	X	4.67	67.01	16.48	0.00	150.0	± 9.6 %
		Y	4.57	66.70	16.19		150.0	
		Z	4.66	66.77	16.26		150.0	
10418-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	X	4.66	67.15	16.49	0.00	150.0	± 9.6 %
		Y	4.55	66.84	16.19		150.0	
		Z	4.64	66.90	16.25		150.0	
10419-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule)	X	4.68	67.11	16.49	0.00	150.0	± 9.6 %
		Y	4.58	66.79	16.20		150.0	
		Z	4.67	66.87	16.27		150.0	
10422-AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	X	4.81	67.11	16.50	0.00	150.0	± 9.6 %
		Y	4.70	66.81	16.22		150.0	
		Z	4.80	66.88	16.29		150.0	
10423-AAB	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	X	5.00	67.48	16.64	0.00	150.0	± 9.6 %
		Y	4.88	67.16	16.35		150.0	
		Z	5.01	67.27	16.43		150.0	
10424-AAB	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	X	4.92	67.43	16.61	0.00	150.0	± 9.6 %
		Y	4.80	67.10	16.32		150.0	
		Z	4.91	67.20	16.39		150.0	
10425-AAB	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	X	5.49	67.74	16.75	0.00	150.0	± 9.6 %
		Y	5.41	67.50	16.53		150.0	
		Z	5.48	67.54	16.55		150.0	
10426-AAB	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	X	5.51	67.77	16.76	0.00	150.0	± 9.6 %
		Y	5.41	67.51	16.53		150.0	
		Z	5.50	67.58	16.57		150.0	

10427-AAB	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	X	5.52	67.76	16.75	0.00	150.0	± 9.6 %
		Y	5.42	67.48	16.51		150.0	
		Z	5.52	67.60	16.57		150.0	
10430-AAB	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	X	4.36	70.60	18.31	0.00	150.0	± 9.6 %
		Y	4.25	70.46	18.04		150.0	
		Z	4.30	69.92	17.90		150.0	
10431-AAB	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	X	4.41	67.63	16.57	0.00	150.0	± 9.6 %
		Y	4.27	67.23	16.20		150.0	
		Z	4.40	67.32	16.32		150.0	
10432-AAB	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	X	4.69	67.49	16.59	0.00	150.0	± 9.6 %
		Y	4.57	67.13	16.26		150.0	
		Z	4.69	67.23	16.36		150.0	
10433-AAB	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	X	4.93	67.47	16.63	0.00	150.0	± 9.6 %
		Y	4.81	67.14	16.34		150.0	
		Z	4.93	67.25	16.42		150.0	
10434-AAA	W-CDMA (BS Test Model 1, 64 DPCH)	X	4.46	71.39	18.32	0.00	150.0	± 9.6 %
		Y	4.33	71.22	18.00		150.0	
		Z	4.37	70.56	17.87		150.0	
10435-AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	120.84	30.99	3.23	80.0	± 9.6 %
		Y	100.00	119.33	29.98		80.0	
		Z	100.00	119.70	30.61		80.0	
10447-AAB	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	3.73	67.79	16.13	0.00	150.0	± 9.6 %
		Y	3.56	67.19	15.56		150.0	
		Z	3.71	67.33	15.83		150.0	
10448-AAB	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	X	4.23	67.40	16.43	0.00	150.0	± 9.6 %
		Y	4.10	67.00	16.05		150.0	
		Z	4.22	67.08	16.17		150.0	
10449-AAB	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	X	4.48	67.31	16.49	0.00	150.0	± 9.6 %
		Y	4.36	66.95	16.15		150.0	
		Z	4.47	67.05	16.25		150.0	
10450-AAB	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	4.66	67.23	16.49	0.00	150.0	± 9.6 %
		Y	4.55	66.88	16.18		150.0	
		Z	4.65	66.99	16.27		150.0	
10451-AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	X	3.67	68.12	15.89	0.00	150.0	± 9.6 %
		Y	3.46	67.39	15.22		150.0	
		Z	3.64	67.60	15.59		150.0	
10456-AAB	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	X	6.35	68.33	16.90	0.00	150.0	± 9.6 %
		Y	6.27	68.07	16.69		150.0	
		Z	6.34	68.18	16.74		150.0	
10457-AAA	UMTS-FDD (DC-HSDPA)	X	3.86	65.63	16.22	0.00	150.0	± 9.6 %
		Y	3.78	65.32	15.90		150.0	
		Z	3.84	65.41	15.99		150.0	
10458-AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	X	4.07	70.58	17.80	0.00	150.0	± 9.6 %
		Y	3.95	70.36	17.39		150.0	
		Z	3.97	69.62	17.31		150.0	
10459-AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	X	5.15	67.87	18.11	0.00	150.0	± 9.6 %
		Y	5.07	67.97	18.01		150.0	
		Z	5.11	67.33	17.80		150.0	

10460-AAA	UMTS-FDD (WCDMA, AMR)	X	1.14	73.10	18.91	0.00	150.0	± 9.6 %
		Y	0.84	67.69	15.51		150.0	
		Z	0.93	68.92	16.40		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	124.42	32.70	3.29	80.0	± 9.6 %
		Y	100.00	122.81	31.66		80.0	
		Z	100.00	122.33	31.90		80.0	
10462-AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	110.52	26.05	3.23	80.0	± 9.6 %
		Y	100.00	107.73	24.50		80.0	
		Z	100.00	109.56	25.78		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	107.72	24.70	3.23	80.0	± 9.6 %
		Y	16.53	86.46	18.64		80.0	
		Z	57.16	100.91	23.16		80.0	
10464-AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	122.66	31.73	3.23	80.0	± 9.6 %
		Y	100.00	120.75	30.55		80.0	
		Z	100.00	120.64	30.98		80.0	
10465-AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	110.07	25.82	3.23	80.0	± 9.6 %
		Y	63.13	102.33	23.15		80.0	
		Z	100.00	109.15	25.57		80.0	
10466-AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	107.29	24.49	3.23	80.0	± 9.6 %
		Y	9.87	80.97	16.99		80.0	
		Z	32.16	94.29	21.45		80.0	
10467-AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	122.86	31.82	3.23	80.0	± 9.6 %
		Y	100.00	120.96	30.65		80.0	
		Z	100.00	120.82	31.06		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	110.21	25.89	3.23	80.0	± 9.6 %
		Y	85.23	105.68	23.94		80.0	
		Z	100.00	109.27	25.63		80.0	
10469-AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	107.30	24.49	3.23	80.0	± 9.6 %
		Y	10.04	81.16	17.05		80.0	
		Z	33.09	94.61	21.52		80.0	
10470-AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	122.89	31.83	3.23	80.0	± 9.6 %
		Y	100.00	120.98	30.65		80.0	
		Z	100.00	120.85	31.06		80.0	
10471-AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	110.17	25.86	3.23	80.0	± 9.6 %
		Y	84.36	105.52	23.89		80.0	
		Z	100.00	109.23	25.61		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	107.26	24.47	3.23	80.0	± 9.6 %
		Y	9.96	81.06	17.00		80.0	
		Z	33.22	94.62	21.52		80.0	
10473-AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	122.86	31.82	3.23	80.0	± 9.6 %
		Y	100.00	120.95	30.64		80.0	
		Z	100.00	120.82	31.05		80.0	
10474-AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	110.18	25.87	3.23	80.0	± 9.6 %
		Y	82.22	105.25	23.83		80.0	
		Z	100.00	109.24	25.61		80.0	
10475-AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	107.27	24.47	3.23	80.0	± 9.6 %
		Y	9.84	80.95	16.97		80.0	
		Z	32.70	94.46	21.48		80.0	

10477-AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	110.03	25.79	3.23	80.0	± 9.6 %
		Y	66.19	102.79	23.23		80.0	
		Z	100.00	109.11	25.54		80.0	
10478-AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	107.22	24.45	3.23	80.0	± 9.6 %
		Y	9.68	80.75	16.90		80.0	
		Z	32.14	94.24	21.41		80.0	
10479-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	19.06	98.69	27.56	3.23	80.0	± 9.6 %
		Y	17.48	96.78	26.48		80.0	
		Z	12.38	91.03	25.23		80.0	
10480-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	19.47	93.39	24.37	3.23	80.0	± 9.6 %
		Y	16.19	90.11	22.82		80.0	
		Z	13.49	87.60	22.69		80.0	
10481-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	16.31	90.04	23.04	3.23	80.0	± 9.6 %
		Y	12.85	86.16	21.27		80.0	
		Z	11.99	85.24	21.64		80.0	
10482-AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	7.88	83.55	21.62	2.23	80.0	± 9.6 %
		Y	5.63	78.46	19.33		80.0	
		Z	5.79	78.37	19.74		80.0	
10483-AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	10.35	84.31	21.72	2.23	80.0	± 9.6 %
		Y	8.62	81.30	20.16		80.0	
		Z	8.63	81.26	20.79		80.0	
10484-AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	9.40	82.69	21.19	2.23	80.0	± 9.6 %
		Y	7.82	79.73	19.63		80.0	
		Z	8.11	80.14	20.41		80.0	
10485-AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	7.65	83.49	22.32	2.23	80.0	± 9.6 %
		Y	5.92	79.52	20.52		80.0	
		Z	6.00	78.96	20.56		80.0	
10486-AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.45	75.29	19.04	2.23	80.0	± 9.6 %
		Y	4.69	73.13	17.78		80.0	
		Z	4.90	73.13	18.12		80.0	
10487-AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.34	74.66	18.79	2.23	80.0	± 9.6 %
		Y	4.63	72.60	17.57		80.0	
		Z	4.87	72.70	17.95		80.0	
10488-AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.80	80.27	21.67	2.23	80.0	± 9.6 %
		Y	5.68	77.52	20.38		80.0	
		Z	5.92	77.32	20.36		80.0	
10489-AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.22	73.60	19.31	2.23	80.0	± 9.6 %
		Y	4.74	72.23	18.49		80.0	
		Z	4.95	72.22	18.59		80.0	
10490-AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.25	73.15	19.15	2.23	80.0	± 9.6 %
		Y	4.79	71.90	18.38		80.0	
		Z	5.01	71.88	18.48		80.0	
10491-AAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.15	76.70	20.45	2.23	80.0	± 9.6 %
		Y	5.42	74.81	19.51		80.0	
		Z	5.68	74.81	19.51		80.0	
10492-AAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.32	72.07	18.92	2.23	80.0	± 9.6 %
		Y	4.93	71.02	18.28		80.0	
		Z	5.17	71.12	18.37		80.0	

10493-AAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.36	71.80	18.83	2.23	80.0	± 9.6 %
		Y	4.98	70.81	18.21		80.0	
		Z	5.22	70.91	18.31		80.0	
10494-AAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	7.04	78.97	21.11	2.23	80.0	± 9.6 %
		Y	6.06	76.67	20.03		80.0	
		Z	6.34	76.66	20.02		80.0	
10495-AAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.45	72.70	19.17	2.23	80.0	± 9.6 %
		Y	5.02	71.55	18.50		80.0	
		Z	5.27	71.70	18.59		80.0	
10496-AAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.44	72.17	19.00	2.23	80.0	± 9.6 %
		Y	5.06	71.13	18.38		80.0	
		Z	5.30	71.27	18.46		80.0	
10497-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.31	79.98	19.68	2.23	80.0	± 9.6 %
		Y	4.14	73.96	16.85		80.0	
		Z	4.73	75.49	18.07		80.0	
10498-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.04	71.02	15.41	2.23	80.0	± 9.6 %
		Y	2.86	66.62	12.92		80.0	
		Z	3.69	69.48	14.89		80.0	
10499-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.89	70.20	14.95	2.23	80.0	± 9.6 %
		Y	2.76	65.93	12.48		80.0	
		Z	3.63	68.95	14.55		80.0	
10500-AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.92	81.34	21.80	2.23	80.0	± 9.6 %
		Y	5.62	78.13	20.28		80.0	
		Z	5.76	77.71	20.29		80.0	
10501-AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.31	74.43	19.07	2.23	80.0	± 9.6 %
		Y	4.70	72.70	18.03		80.0	
		Z	4.91	72.63	18.25		80.0	
10502-AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.32	74.08	18.88	2.23	80.0	± 9.6 %
		Y	4.73	72.42	17.87		80.0	
		Z	4.94	72.37	18.11		80.0	
10503-AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.70	80.04	21.57	2.23	80.0	± 9.6 %
		Y	5.60	77.28	20.28		80.0	
		Z	5.85	77.13	20.28		80.0	
10504-AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.20	73.52	19.26	2.23	80.0	± 9.6 %
		Y	4.71	72.13	18.43		80.0	
		Z	4.94	72.15	18.55		80.0	
10505-AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.22	73.06	19.10	2.23	80.0	± 9.6 %
		Y	4.76	71.80	18.33		80.0	
		Z	4.99	71.80	18.44		80.0	
10506-AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.98	78.81	21.04	2.23	80.0	± 9.6 %
		Y	6.00	76.50	19.96		80.0	
		Z	6.29	76.52	19.96		80.0	
10507-AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.42	72.64	19.14	2.23	80.0	± 9.6 %
		Y	5.00	71.48	18.47		80.0	
		Z	5.25	71.64	18.56		80.0	

10508-AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.43	72.11	18.96	2.23	80.0	± 9.6 %
		Y	5.04	71.06	18.33		80.0	
		Z	5.29	71.21	18.42		80.0	
10509-AAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.59	75.82	19.92	2.23	80.0	± 9.6 %
		Y	5.92	74.23	19.13		80.0	
		Z	6.19	74.33	19.14		80.0	
10510-AAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.78	71.79	18.85	2.23	80.0	± 9.6 %
		Y	5.41	70.84	18.30		80.0	
		Z	5.67	71.07	18.39		80.0	
10511-AAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.77	71.37	18.73	2.23	80.0	± 9.6 %
		Y	5.43	70.49	18.21		80.0	
		Z	5.68	70.71	18.30		80.0	
10512-AAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	7.41	78.38	20.72	2.23	80.0	± 9.6 %
		Y	6.46	76.27	19.74		80.0	
		Z	6.76	76.38	19.76		80.0	
10513-AAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.76	72.39	19.08	2.23	80.0	± 9.6 %
		Y	5.35	71.31	18.47		80.0	
		Z	5.62	71.59	18.57		80.0	
10514-AAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.67	71.73	18.87	2.23	80.0	± 9.6 %
		Y	5.31	70.75	18.31		80.0	
		Z	5.56	71.01	18.41		80.0	
10515-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	X	1.00	64.33	15.70	0.00	150.0	± 9.6 %
		Y	0.92	62.97	14.40		150.0	
		Z	0.96	63.35	14.76		150.0	
10516-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	X	1.25	85.06	24.06	0.00	150.0	± 9.6 %
		Y	0.55	69.91	16.29		150.0	
		Z	0.66	72.54	17.95		150.0	
10517-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	X	0.90	67.58	17.08	0.00	150.0	± 9.6 %
		Y	0.77	64.81	14.88		150.0	
		Z	0.82	65.55	15.48		150.0	
10518-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	X	4.67	67.09	16.46	0.00	150.0	± 9.6 %
		Y	4.56	66.77	16.16		150.0	
		Z	4.66	66.85	16.24		150.0	
10519-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	X	4.88	67.37	16.60	0.00	150.0	± 9.6 %
		Y	4.76	67.04	16.30		150.0	
		Z	4.88	67.15	16.39		150.0	
10520-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	X	4.73	67.36	16.53	0.00	150.0	± 9.6 %
		Y	4.61	67.00	16.22		150.0	
		Z	4.73	67.13	16.31		150.0	
10521-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	X	4.66	67.37	16.52	0.00	150.0	± 9.6 %
		Y	4.54	67.00	16.20		150.0	
		Z	4.66	67.14	16.29		150.0	
10522-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	X	4.71	67.36	16.56	0.00	150.0	± 9.6 %
		Y	4.60	67.04	16.27		150.0	
		Z	4.70	67.10	16.32		150.0	

10523-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	X	4.58	67.25	16.42	0.00	150.0	± 9.6 %
		Y	4.47	66.91	16.11		150.0	
		Z	4.57	67.00	16.18		150.0	
10524-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	X	4.66	67.32	16.55	0.00	150.0	± 9.6 %
		Y	4.55	66.98	16.24		150.0	
		Z	4.66	67.06	16.31		150.0	
10525-AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	X	4.62	66.34	16.13	0.00	150.0	± 9.6 %
		Y	4.52	66.00	15.83		150.0	
		Z	4.61	66.08	15.89		150.0	
10526-AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)	X	4.82	66.75	16.28	0.00	150.0	± 9.6 %
		Y	4.70	66.39	15.97		150.0	
		Z	4.81	66.49	16.04		150.0	
10527-AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	X	4.74	66.72	16.23	0.00	150.0	± 9.6 %
		Y	4.62	66.35	15.92		150.0	
		Z	4.73	66.47	16.00		150.0	
10528-AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	X	4.76	66.74	16.26	0.00	150.0	± 9.6 %
		Y	4.64	66.37	15.95		150.0	
		Z	4.75	66.49	16.03		150.0	
10529-AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	X	4.76	66.74	16.26	0.00	150.0	± 9.6 %
		Y	4.64	66.37	15.95		150.0	
		Z	4.75	66.49	16.03		150.0	
10531-AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)	X	4.77	66.89	16.29	0.00	150.0	± 9.6 %
		Y	4.64	66.50	15.97		150.0	
		Z	4.76	66.64	16.06		150.0	
10532-AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	X	4.62	66.76	16.24	0.00	150.0	± 9.6 %
		Y	4.49	66.35	15.90		150.0	
		Z	4.61	66.51	16.00		150.0	
10533-AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)	X	4.77	66.77	16.24	0.00	150.0	± 9.6 %
		Y	4.65	66.41	15.93		150.0	
		Z	4.76	66.51	16.01		150.0	
10534-AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	X	5.27	66.85	16.29	0.00	150.0	± 9.6 %
		Y	5.17	66.53	16.03		150.0	
		Z	5.26	66.66	16.09		150.0	
10535-AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	X	5.34	67.00	16.35	0.00	150.0	± 9.6 %
		Y	5.24	66.69	16.10		150.0	
		Z	5.33	66.80	16.14		150.0	
10536-AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	X	5.21	66.99	16.33	0.00	150.0	± 9.6 %
		Y	5.10	66.65	16.06		150.0	
		Z	5.20	66.79	16.12		150.0	
10537-AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	X	5.28	66.96	16.32	0.00	150.0	± 9.6 %
		Y	5.16	66.63	16.05		150.0	
		Z	5.27	66.77	16.11		150.0	
10538-AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	X	5.39	67.03	16.39	0.00	150.0	± 9.6 %
		Y	5.27	66.68	16.12		150.0	
		Z	5.38	66.84	16.19		150.0	
10540-AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	X	5.29	66.98	16.38	0.00	150.0	± 9.6 %
		Y	5.18	66.66	16.12		150.0	
		Z	5.28	66.78	16.18		150.0	

10541-AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)	X	5.27	66.87	16.32	0.00	150.0	± 9.6 %
		Y	5.16	66.53	16.05		150.0	
		Z	5.26	66.70	16.13		150.0	
10542-AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	X	5.42	66.92	16.36	0.00	150.0	± 9.6 %
		Y	5.32	66.61	16.11		150.0	
		Z	5.41	66.73	16.16		150.0	
10543-AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	X	5.50	66.93	16.38	0.00	150.0	± 9.6 %
		Y	5.40	66.65	16.14		150.0	
		Z	5.50	66.75	16.19		150.0	
10544-AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	X	5.56	66.94	16.26	0.00	150.0	± 9.6 %
		Y	5.46	66.64	16.02		150.0	
		Z	5.54	66.77	16.07		150.0	
10545-AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)	X	5.77	67.38	16.42	0.00	150.0	± 9.6 %
		Y	5.68	67.09	16.19		150.0	
		Z	5.75	67.17	16.22		150.0	
10546-AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	X	5.65	67.23	16.37	0.00	150.0	± 9.6 %
		Y	5.55	66.90	16.11		150.0	
		Z	5.64	67.06	16.18		150.0	
10547-AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	X	5.74	67.31	16.40	0.00	150.0	± 9.6 %
		Y	5.64	66.98	16.14		150.0	
		Z	5.73	67.13	16.20		150.0	
10548-AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	X	6.08	68.50	16.96	0.00	150.0	± 9.6 %
		Y	5.97	68.15	16.69		150.0	
		Z	6.05	68.25	16.74		150.0	
10550-AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	X	5.67	67.18	16.35	0.00	150.0	± 9.6 %
		Y	5.57	66.87	16.11		150.0	
		Z	5.66	67.00	16.16		150.0	
10551-AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	X	5.69	67.26	16.35	0.00	150.0	± 9.6 %
		Y	5.57	66.92	16.09		150.0	
		Z	5.68	67.11	16.17		150.0	
10552-AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	X	5.58	67.02	16.25	0.00	150.0	± 9.6 %
		Y	5.48	66.70	15.99		150.0	
		Z	5.57	66.86	16.07		150.0	
10553-AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	X	5.68	67.07	16.30	0.00	150.0	± 9.6 %
		Y	5.57	66.76	16.05		150.0	
		Z	5.67	66.91	16.12		150.0	
10554-AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	X	5.96	67.32	16.35	0.00	150.0	± 9.6 %
		Y	5.87	67.02	16.12		150.0	
		Z	5.94	67.15	16.17		150.0	
10555-AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	X	6.11	67.66	16.49	0.00	150.0	± 9.6 %
		Y	6.01	67.35	16.26		150.0	
		Z	6.09	67.50	16.32		150.0	
10556-AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)	X	6.12	67.68	16.50	0.00	150.0	± 9.6 %
		Y	6.03	67.38	16.27		150.0	
		Z	6.10	67.50	16.31		150.0	
10557-AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	X	6.11	67.63	16.50	0.00	150.0	± 9.6 %
		Y	6.00	67.31	16.25		150.0	
		Z	6.09	67.48	16.33		150.0	

10558-AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	X	6.17	67.83	16.61	0.00	150.0	± 9.6 %
		Y	6.06	67.49	16.36		150.0	
		Z	6.15	67.68	16.44		150.0	
10560-AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	X	6.15	67.64	16.56	0.00	150.0	± 9.6 %
		Y	6.05	67.32	16.31		150.0	
		Z	6.14	67.50	16.39		150.0	
10561-AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	X	6.07	67.61	16.58	0.00	150.0	± 9.6 %
		Y	5.97	67.29	16.33		150.0	
		Z	6.05	67.46	16.41		150.0	
10562-AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	X	6.24	68.12	16.84	0.00	150.0	± 9.6 %
		Y	6.12	67.76	16.57		150.0	
		Z	6.22	67.97	16.66		150.0	
10563-AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	X	6.59	68.70	17.07	0.00	150.0	± 9.6 %
		Y	6.50	68.45	16.86		150.0	
		Z	6.52	68.39	16.82		150.0	
10564-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)	X	5.01	67.21	16.65	0.46	150.0	± 9.6 %
		Y	4.90	66.90	16.36		150.0	
		Z	5.00	67.01	16.45		150.0	
10565-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)	X	5.26	67.68	16.95	0.46	150.0	± 9.6 %
		Y	5.15	67.37	16.68		150.0	
		Z	5.27	67.49	16.76		150.0	
10566-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)	X	5.10	67.56	16.80	0.46	150.0	± 9.6 %
		Y	4.98	67.23	16.50		150.0	
		Z	5.10	67.37	16.60		150.0	
10567-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)	X	5.12	67.92	17.12	0.46	150.0	± 9.6 %
		Y	5.00	67.60	16.84		150.0	
		Z	5.12	67.71	16.91		150.0	
10568-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle)	X	5.01	67.34	16.58	0.46	150.0	± 9.6 %
		Y	4.90	67.01	16.28		150.0	
		Z	5.01	67.12	16.37		150.0	
10569-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	X	5.06	67.94	17.14	0.46	150.0	± 9.6 %
		Y	4.95	67.66	16.89		150.0	
		Z	5.06	67.72	16.92		150.0	
10570-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle)	X	5.11	67.80	17.09	0.46	150.0	± 9.6 %
		Y	4.99	67.52	16.83		150.0	
		Z	5.10	67.57	16.87		150.0	
10571-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	X	1.42	67.47	17.33	0.46	130.0	± 9.6 %
		Y	1.29	65.81	16.00		130.0	
		Z	1.36	66.32	16.37		130.0	
10572-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	X	1.45	68.27	17.77	0.46	130.0	± 9.6 %
		Y	1.31	66.47	16.37		130.0	
		Z	1.39	66.98	16.74		130.0	
10573-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	X	100.00	147.00	39.19	0.46	130.0	± 9.6 %
		Y	4.99	95.51	25.16		130.0	
		Z	7.12	101.14	27.21		130.0	
10574-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	X	1.99	77.81	22.04	0.46	130.0	± 9.6 %
		Y	1.59	73.42	19.55		130.0	
		Z	1.69	74.01	19.92		130.0	

10575-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	X	4.83	67.10	16.76	0.46	130.0	± 9.6 %
		Y	4.72	66.80	16.47		130.0	
		Z	4.83	66.89	16.55		130.0	
10576-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	X	4.85	67.25	16.81	0.46	130.0	± 9.6 %
		Y	4.75	66.95	16.53		130.0	
		Z	4.85	67.04	16.60		130.0	
10577-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	X	5.08	67.57	16.98	0.46	130.0	± 9.6 %
		Y	4.96	67.26	16.71		130.0	
		Z	5.09	67.37	16.79		130.0	
10578-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	X	4.98	67.73	17.08	0.46	130.0	± 9.6 %
		Y	4.86	67.43	16.80		130.0	
		Z	4.98	67.53	16.87		130.0	
10579-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	X	4.76	67.16	16.49	0.46	130.0	± 9.6 %
		Y	4.64	66.77	16.15		130.0	
		Z	4.77	66.97	16.29		130.0	
10580-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	X	4.81	67.14	16.49	0.46	130.0	± 9.6 %
		Y	4.68	66.77	16.16		130.0	
		Z	4.81	66.93	16.28		130.0	
10581-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	X	4.88	67.83	17.04	0.46	130.0	± 9.6 %
		Y	4.76	67.49	16.75		130.0	
		Z	4.89	67.61	16.83		130.0	
10582-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	X	4.72	66.93	16.30	0.46	130.0	± 9.6 %
		Y	4.58	66.53	15.94		130.0	
		Z	4.73	66.74	16.10		130.0	
10583-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	X	4.83	67.10	16.76	0.46	130.0	± 9.6 %
		Y	4.72	66.80	16.47		130.0	
		Z	4.83	66.89	16.55		130.0	
10584-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	X	4.85	67.25	16.81	0.46	130.0	± 9.6 %
		Y	4.75	66.95	16.53		130.0	
		Z	4.85	67.04	16.60		130.0	
10585-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	X	5.08	67.57	16.98	0.46	130.0	± 9.6 %
		Y	4.96	67.26	16.71		130.0	
		Z	5.09	67.37	16.79		130.0	
10586-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	X	4.98	67.73	17.08	0.46	130.0	± 9.6 %
		Y	4.86	67.43	16.80		130.0	
		Z	4.98	67.53	16.87		130.0	
10587-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	X	4.76	67.16	16.49	0.46	130.0	± 9.6 %
		Y	4.64	66.77	16.15		130.0	
		Z	4.77	66.97	16.29		130.0	
10588-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	X	4.81	67.14	16.49	0.46	130.0	± 9.6 %
		Y	4.68	66.77	16.16		130.0	
		Z	4.81	66.93	16.28		130.0	
10589-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	X	4.88	67.83	17.04	0.46	130.0	± 9.6 %
		Y	4.76	67.49	16.75		130.0	
		Z	4.89	67.61	16.83		130.0	
10590-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	X	4.72	66.93	16.30	0.46	130.0	± 9.6 %
		Y	4.58	66.53	15.94		130.0	
		Z	4.73	66.74	16.10		130.0	

10591-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	X	4.97	67.13	16.83	0.46	130.0	± 9.6 %
		Y	4.87	66.85	16.56		130.0	
		Z	4.97	66.94	16.64		130.0	
10592-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	X	5.15	67.48	16.96	0.46	130.0	± 9.6 %
		Y	5.03	67.19	16.69		130.0	
		Z	5.15	67.28	16.76		130.0	
10593-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	X	5.08	67.44	16.87	0.46	130.0	± 9.6 %
		Y	4.96	67.12	16.59		130.0	
		Z	5.08	67.25	16.68		130.0	
10594-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	X	5.13	67.57	17.00	0.46	130.0	± 9.6 %
		Y	5.01	67.28	16.73		130.0	
		Z	5.13	67.38	16.80		130.0	
10595-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	X	5.10	67.55	16.91	0.46	130.0	± 9.6 %
		Y	4.98	67.24	16.63		130.0	
		Z	5.11	67.36	16.72		130.0	
10596-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle)	X	5.04	67.57	16.93	0.46	130.0	± 9.6 %
		Y	4.92	67.24	16.64		130.0	
		Z	5.05	67.36	16.72		130.0	
10597-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle)	X	4.99	67.50	16.83	0.46	130.0	± 9.6 %
		Y	4.87	67.16	16.53		130.0	
		Z	5.00	67.31	16.63		130.0	
10598-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	X	4.97	67.73	17.08	0.46	130.0	± 9.6 %
		Y	4.85	67.40	16.79		130.0	
		Z	4.98	67.54	16.88		130.0	
10599-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	X	5.64	67.71	17.02	0.46	130.0	± 9.6 %
		Y	5.54	67.42	16.77		130.0	
		Z	5.64	67.54	16.83		130.0	
10600-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	X	5.84	68.32	17.30	0.46	130.0	± 9.6 %
		Y	5.74	68.02	17.05		130.0	
		Z	5.86	68.21	17.15		130.0	
10601-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	X	5.70	67.95	17.13	0.46	130.0	± 9.6 %
		Y	5.59	67.66	16.88		130.0	
		Z	5.70	67.81	16.95		130.0	
10602-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	X	5.78	67.96	17.05	0.46	130.0	± 9.6 %
		Y	5.68	67.66	16.80		130.0	
		Z	5.80	67.83	16.89		130.0	
10603-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)	X	5.86	68.23	17.31	0.46	130.0	± 9.6 %
		Y	5.76	67.95	17.07		130.0	
		Z	5.90	68.18	17.18		130.0	
10604-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)	X	5.64	67.67	17.02	0.46	130.0	± 9.6 %
		Y	5.54	67.38	16.78		130.0	
		Z	5.65	67.52	16.85		130.0	
10605-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)	X	5.76	68.00	17.19	0.46	130.0	± 9.6 %
		Y	5.67	67.75	16.97		130.0	
		Z	5.76	67.83	17.01		130.0	
10606-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)	X	5.53	67.46	16.79	0.46	130.0	± 9.6 %
		Y	5.42	67.14	16.52		130.0	
		Z	5.54	67.34	16.63		130.0	

10607-AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	X	4.81	66.43	16.45	0.46	130.0	± 9.6 %
		Y	4.70	66.13	16.17		130.0	
		Z	4.80	66.21	16.23		130.0	
10608-AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	X	5.02	66.87	16.61	0.46	130.0	± 9.6 %
		Y	4.90	66.55	16.33		130.0	
		Z	5.02	66.64	16.39		130.0	
10609-AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	X	4.91	66.76	16.48	0.46	130.0	± 9.6 %
		Y	4.79	66.41	16.18		130.0	
		Z	4.91	66.53	16.26		130.0	
10610-AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	X	4.96	66.90	16.63	0.46	130.0	± 9.6 %
		Y	4.84	66.57	16.34		130.0	
		Z	4.96	66.68	16.41		130.0	
10611-AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	X	4.88	66.74	16.50	0.46	130.0	± 9.6 %
		Y	4.76	66.39	16.20		130.0	
		Z	4.89	66.53	16.29		130.0	
10612-AAB	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	X	4.90	66.91	16.55	0.46	130.0	± 9.6 %
		Y	4.77	66.55	16.24		130.0	
		Z	4.90	66.68	16.33		130.0	
10613-AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	X	4.92	66.84	16.46	0.46	130.0	± 9.6 %
		Y	4.78	66.46	16.14		130.0	
		Z	4.92	66.62	16.24		130.0	
10614-AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	X	4.84	66.99	16.66	0.46	130.0	± 9.6 %
		Y	4.72	66.63	16.36		130.0	
		Z	4.84	66.77	16.44		130.0	
10615-AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	X	4.89	66.58	16.29	0.46	130.0	± 9.6 %
		Y	4.76	66.22	15.98		130.0	
		Z	4.89	66.36	16.08		130.0	
10616-AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	X	5.46	66.96	16.62	0.46	130.0	± 9.6 %
		Y	5.35	66.66	16.37		130.0	
		Z	5.45	66.78	16.43		130.0	
10617-AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	X	5.51	67.06	16.64	0.46	130.0	± 9.6 %
		Y	5.42	66.80	16.41		130.0	
		Z	5.51	66.89	16.45		130.0	
10618-AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	X	5.41	67.14	16.70	0.46	130.0	± 9.6 %
		Y	5.31	66.84	16.45		130.0	
		Z	5.41	66.96	16.50		130.0	
10619-AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	X	5.44	66.98	16.56	0.46	130.0	± 9.6 %
		Y	5.34	66.68	16.31		130.0	
		Z	5.43	66.79	16.36		130.0	
10620-AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	X	5.55	67.07	16.65	0.46	130.0	± 9.6 %
		Y	5.44	66.75	16.39		130.0	
		Z	5.55	66.91	16.47		130.0	
10621-AAB	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	X	5.52	67.10	16.77	0.46	130.0	± 9.6 %
		Y	5.41	66.81	16.54		130.0	
		Z	5.52	66.94	16.59		130.0	
10622-AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	X	5.52	67.23	16.83	0.46	130.0	± 9.6 %
		Y	5.43	66.97	16.61		130.0	
		Z	5.52	67.05	16.64		130.0	

10623-AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	X	5.41	66.83	16.52	0.46	130.0	± 9.6 %
		Y	5.30	66.50	16.26		130.0	
		Z	5.42	66.69	16.35		130.0	
10624-AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	X	5.60	67.00	16.67	0.46	130.0	± 9.6 %
		Y	5.50	66.72	16.43		130.0	
		Z	5.60	66.82	16.48		130.0	
10625-AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	X	6.04	68.15	17.29	0.46	130.0	± 9.6 %
		Y	5.94	67.90	17.06		130.0	
		Z	6.00	67.86	17.04		130.0	
10626-AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	X	5.71	66.97	16.54	0.46	130.0	± 9.6 %
		Y	5.63	66.69	16.31		130.0	
		Z	5.70	66.81	16.36		130.0	
10627-AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	X	5.98	67.56	16.79	0.46	130.0	± 9.6 %
		Y	5.90	67.32	16.58		130.0	
		Z	5.96	67.36	16.59		130.0	
10628-AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	X	5.79	67.17	16.54	0.46	130.0	± 9.6 %
		Y	5.68	66.85	16.29		130.0	
		Z	5.78	67.02	16.36		130.0	
10629-AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	X	5.87	67.22	16.56	0.46	130.0	± 9.6 %
		Y	5.77	66.92	16.32		130.0	
		Z	5.87	67.09	16.39		130.0	
10630-AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	X	6.48	69.22	17.56	0.46	130.0	± 9.6 %
		Y	6.36	68.86	17.28		130.0	
		Z	6.45	68.98	17.34		130.0	
10631-AAB	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	X	6.29	68.75	17.49	0.46	130.0	± 9.6 %
		Y	6.17	68.38	17.23		130.0	
		Z	6.29	68.57	17.31		130.0	
10632-AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	X	5.94	67.58	16.93	0.46	130.0	± 9.6 %
		Y	5.85	67.33	16.73		130.0	
		Z	5.93	67.41	16.74		130.0	
10633-AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	X	5.87	67.37	16.67	0.46	130.0	± 9.6 %
		Y	5.75	67.00	16.39		130.0	
		Z	5.88	67.29	16.52		130.0	
10634-AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	X	5.84	67.34	16.70	0.46	130.0	± 9.6 %
		Y	5.73	67.01	16.46		130.0	
		Z	5.85	67.24	16.55		130.0	
10635-AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	X	5.74	66.76	16.17	0.46	130.0	± 9.6 %
		Y	5.62	66.39	15.89		130.0	
		Z	5.74	66.64	16.02		130.0	
10636-AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	X	6.13	67.36	16.63	0.46	130.0	± 9.6 %
		Y	6.05	67.09	16.42		130.0	
		Z	6.11	67.20	16.46		130.0	
10637-AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	X	6.30	67.76	16.81	0.46	130.0	± 9.6 %
		Y	6.21	67.50	16.60		130.0	
		Z	6.29	67.62	16.64		130.0	
10638-AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	X	6.30	67.73	16.78	0.46	130.0	± 9.6 %
		Y	6.21	67.47	16.56		130.0	
		Z	6.28	67.57	16.60		130.0	

10639-AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	X	6.29	67.73	16.82	0.46	130.0	± 9.6 %
		Y	6.20	67.43	16.59		130.0	
		Z	6.29	67.60	16.66		130.0	
10640-AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	X	6.33	67.84	16.82	0.46	130.0	± 9.6 %
		Y	6.22	67.49	16.57		130.0	
		Z	6.32	67.71	16.67		130.0	
10641-AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	X	6.32	67.56	16.70	0.46	130.0	± 9.6 %
		Y	6.23	67.29	16.48		130.0	
		Z	6.31	67.42	16.54		130.0	
10642-AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	X	6.38	67.85	17.00	0.46	130.0	± 9.6 %
		Y	6.28	67.57	16.79		130.0	
		Z	6.37	67.73	16.85		130.0	
10643-AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	X	6.22	67.58	16.78	0.46	130.0	± 9.6 %
		Y	6.12	67.27	16.54		130.0	
		Z	6.21	67.45	16.62		130.0	
10644-AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	X	6.45	68.30	17.16	0.46	130.0	± 9.6 %
		Y	6.33	67.92	16.89		130.0	
		Z	6.45	68.18	17.01		130.0	
10645-AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	X	6.85	69.01	17.46	0.46	130.0	± 9.6 %
		Y	6.84	68.95	17.35		130.0	
		Z	6.76	68.63	17.18		130.0	
10646-AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	X	40.26	119.11	39.27	9.30	60.0	± 9.6 %
		Y	36.93	117.62	38.61		60.0	
		Z	28.78	110.02	36.33		60.0	
10647-AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	X	43.42	121.73	40.16	9.30	60.0	± 9.6 %
		Y	37.87	119.05	39.16		60.0	
		Z	30.35	112.02	37.07		60.0	
10648-AAA	CDMA2000 (1x Advanced)	X	0.89	66.81	13.23	0.00	150.0	± 9.6 %
		Y	0.67	63.28	10.48		150.0	
		Z	0.78	64.48	11.81		150.0	
10652-AAB	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	4.61	69.53	17.90	2.23	80.0	± 9.6 %
		Y	4.34	68.71	17.31		80.0	
		Z	4.53	68.80	17.47		80.0	
10653-AAB	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	X	5.03	68.53	17.83	2.23	80.0	± 9.6 %
		Y	4.81	67.89	17.37		80.0	
		Z	4.99	68.09	17.51		80.0	
10654-AAB	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	X	4.95	68.16	17.81	2.23	80.0	± 9.6 %
		Y	4.75	67.54	17.37		80.0	
		Z	4.92	67.77	17.50		80.0	
10655-AAB	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	5.01	68.19	17.85	2.23	80.0	± 9.6 %
		Y	4.81	67.55	17.41		80.0	
		Z	4.97	67.82	17.55		80.0	
10658-AAA	Pulse Waveform (200Hz, 10%)	X	13.53	87.28	23.74	10.00	50.0	± 9.6 %
		Y	14.55	88.29	23.48		50.0	
		Z	11.52	84.09	22.80		50.0	
10659-AAA	Pulse Waveform (200Hz, 20%)	X	60.38	110.77	29.03	6.99	60.0	± 9.6 %
		Y	78.03	112.57	28.65		60.0	
		Z	23.63	96.55	25.31		60.0	

10660-AAA	Pulse Waveform (200Hz, 40%)	X	100.00	116.42	28.34	3.98	80.0	± 9.6 %
		Y	100.00	113.13	26.55		80.0	
		Z	100.00	115.93	28.24		80.0	
10661-AAA	Pulse Waveform (200Hz, 60%)	X	100.00	118.32	27.69	2.22	100.0	± 9.6 %
		Y	100.00	112.54	24.86		100.0	
		Z	100.00	116.38	26.92		100.0	
10662-AAA	Pulse Waveform (200Hz, 80%)	X	100.00	126.39	29.06	0.97	120.0	± 9.6 %
		Y	100.00	111.25	22.47		120.0	
		Z	100.00	119.29	26.16		120.0	

[E] Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

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Accreditation No.: SCS 0108

Client PC Test

Certificate No: EX3-7420_Sep18/2

CALIBRATION CERTIFICATE (Replacement of No: EX3-7420_Sep18)

Object: EX3DV4 - SN:7420

Calibration procedure(s): QA CAL-01.v9, QA CAL-14.v8, QA CAL-23.v6, QA CAL-25.v8
Calibration procedure for dosimetric E-field probes

SC 9/21/2018

Calibration date: September 18, 2018

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 (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	04-Apr-18 (No. 217-02672/02673)	Apr-19
Power sensor NRP-Z91	SN: 103244	04-Apr-18 (No. 217-02672)	Apr-19
Power sensor NRP-Z91	SN: 103245	04-Apr-18 (No. 217-02673)	Apr-19
Reference 20 dB Attenuator	SN: S5277 (20x)	04-Apr-18 (No. 217-02682)	Apr-19
Reference Probe ES3DV2	SN: 3013	30-Dec-17 (No. ES3-3013_Dec17)	Dec-18
DAE4	SN: 660	21-Dec-17 (No. DAE4-660_Dec17)	Dec-18
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-18)	In house check: Jun-20
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Oct-17)	In house check: Oct-18

	Name	Function	Signature
Calibrated by:	Claudio Leubler	Laboratory Technician	
Approved by:	Katja Pokovic	Technical Manager	

Issued: November 1, 2018

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

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

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Accreditation No.: SCS 0108

Glossary:

TSL	tissue simulating liquid
NORMx,y,z	sensitivity in free space
ConvF	sensitivity in TSL / NORMx,y,z
DCP	diode compression point
CF	crest factor (1/duty_cycle) of the RF signal
A, B, C, D	modulation dependent linearization parameters
Polarization φ	φ rotation around probe axis
Polarization ϑ	ϑ rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., $\vartheta = 0$ 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:

a) 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
b) 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
c) 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
d) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Methods Applied and Interpretation of Parameters:

- *NORMx,y,z:* Assessed for E-field polarization $\vartheta = 0$ ($f \le 900$ MHz in TEM-cell; $f > 1800$ MHz: R22 waveguide). NORMx,y,z are only intermediate values, i.e., the uncertainties of NORMx,y,z does not affect the E^2-field uncertainty inside TSL (see below *ConvF*).
- *NORM(f)x,y,z = NORMx,y,z * 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*.
- *DCPx,y,z:* DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal (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
- *Ax,y,z; Bx,y,z; Cx,y,z; Dx,y,z; VRx,y,z: A, B, C, D* 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 $f \le 800$ MHz) and inside waveguide using analytical field distributions based on power measurements for $f > 800$ MHz. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to *NORMx,y,z * 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 ± 50 MHz to ± 100 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 *NORMx* (no uncertainty required).

Probe EX3DV4

SN:7420

Manufactured: March 10, 2016
Calibrated: September 18, 2018

Calibrated for DASY/EASY Systems
(Note: non-compatible with DASY2 system!)

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7420

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm ($\mu V/(V/m)^2$)[A]	0.49	0.54	0.60	± 10.1 %
DCP (mV)[B]	100.0	95.0	92.8	

Modulation Calibration Parameters

UID	Communication System Name		A dB	B dB√μV	C	D dB	VR mV	Unc[E] (k=2)
0	CW	X	0.0	0.0	1.0	0.00	142.4	±3.0 %
		Y	0.0	0.0	1.0		149.4	
		Z	0.0	0.0	1.0		150.8	

Note: For details on UID parameters see Appendix.

Sensor Model Parameters

	C1 fF	C2 fF	α V^{-1}	T1 $ms.V^{-2}$	T2 $ms.V^{-1}$	T3 ms	T4 V^{-2}	T5 V^{-1}	T6
X	43.36	323.2	35.50	10.05	0.115	5.063	1.86	0.167	1.006
Y	39.77	309.9	38.23	6.054	0.047	5.084	0.00	0.466	1.008
Z	27.72	219.5	39.73	8.921	0.303	5.100	0.00	0.261	1.008

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%.

[A] The uncertainties of Norm X,Y,Z do not affect the E^2-field uncertainty inside TSL (see Pages 5 and 6).
[B] Numerical linearization parameter: uncertainty not required.
[E] 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: EX3DV4 - SN:7420

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) [C]	Relative Permittivity [F]	Conductivity (S/m) [F]	ConvF X	ConvF Y	ConvF Z	Alpha [G]	Depth [G] (mm)	Unc (k=2)
750	41.9	0.89	10.01	10.01	10.01	0.34	1.05	± 12.0 %
835	41.5	0.90	9.68	9.68	9.68	0.27	1.10	± 12.0 %
1750	40.1	1.37	8.43	8.43	8.43	0.37	0.84	± 12.0 %
1900	40.0	1.40	8.16	8.16	8.16	0.32	0.84	± 12.0 %
2300	39.5	1.67	7.67	7.67	7.67	0.33	0.84	± 12.0 %
2450	39.2	1.80	7.19	7.19	7.19	0.30	0.92	± 12.0 %
2600	39.0	1.96	7.11	7.11	7.11	0.35	0.86	± 12.0 %
5250	35.9	4.71	5.19	5.19	5.19	0.40	1.80	± 13.1 %
5600	35.5	5.07	4.70	4.70	4.70	0.40	1.80	± 13.1 %
5750	35.4	5.22	4.80	4.80	4.80	0.40	1.80	± 13.1 %

[C] Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the 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.

[F] At frequencies below 3 GHz, the validity of tissue parameters (ε and σ) 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 (ε and σ) is restricted to ± 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

[G] 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 frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7420

Calibration Parameter Determined in Body Tissue Simulating Media

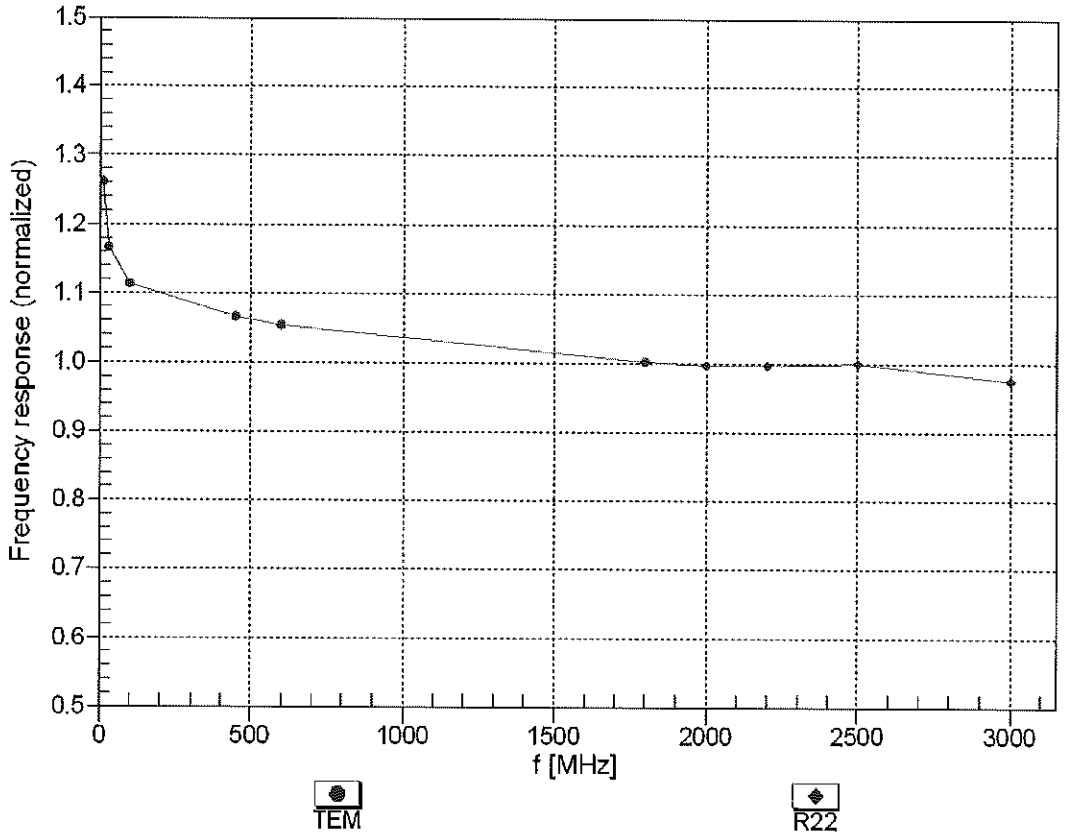
f (MHz) [C]	Relative Permittivity [F]	Conductivity (S/m) [F]	ConvF X	ConvF Y	ConvF Z	Alpha [G]	Depth [G] (mm)	Unc (k=2)
750	55.5	0.96	9.71	9.71	9.71	0.35	0.95	± 12.0 %
835	55.2	0.97	9.61	9.61	9.61	0.51	0.81	± 12.0 %
1750	53.4	1.49	8.03	8.03	8.03	0.37	0.85	± 12.0 %
1900	53.3	1.52	7.70	7.70	7.70	0.39	0.84	± 12.0 %
2300	52.9	1.81	7.48	7.48	7.48	0.38	0.84	± 12.0 %
2450	52.7	1.95	7.34	7.34	7.34	0.32	0.88	± 12.0 %
2600	52.5	2.16	7.22	7.22	7.22	0.30	0.88	± 12.0 %
5250	48.9	5.36	4.79	4.79	4.79	0.50	1.90	± 13.1 %
5600	48.5	5.77	4.08	4.08	4.08	0.50	1.90	± 13.1 %
5750	48.3	5.94	4.36	4.36	4.36	0.50	1.90	± 13.1 %

[C] Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the 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.

[F] At frequencies below 3 GHz, the validity of tissue parameters (ε and σ) 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 (ε and σ) is restricted to ± 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

[G] 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 frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.

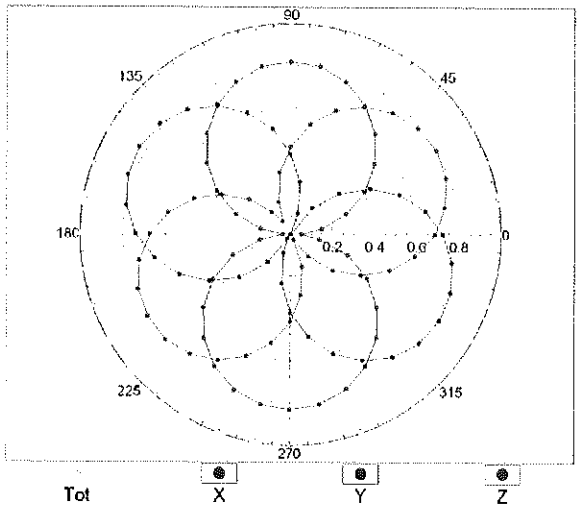
Frequency Response of E-Field
(TEM-Cell:ifi110 EXX, Waveguide: R22)



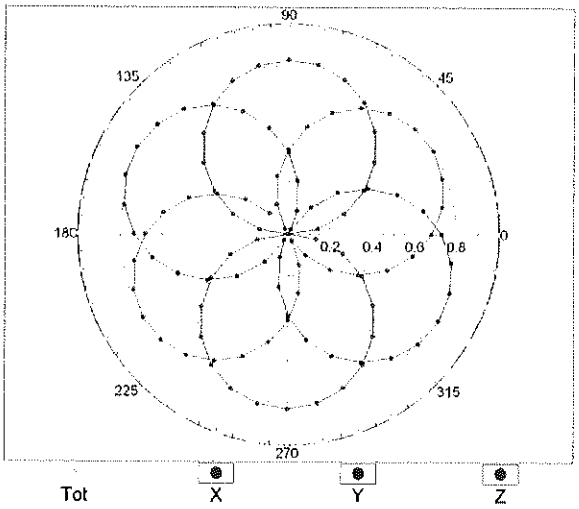
Uncertainty of Frequency Response of E-field: ± 6.3% (k=2)

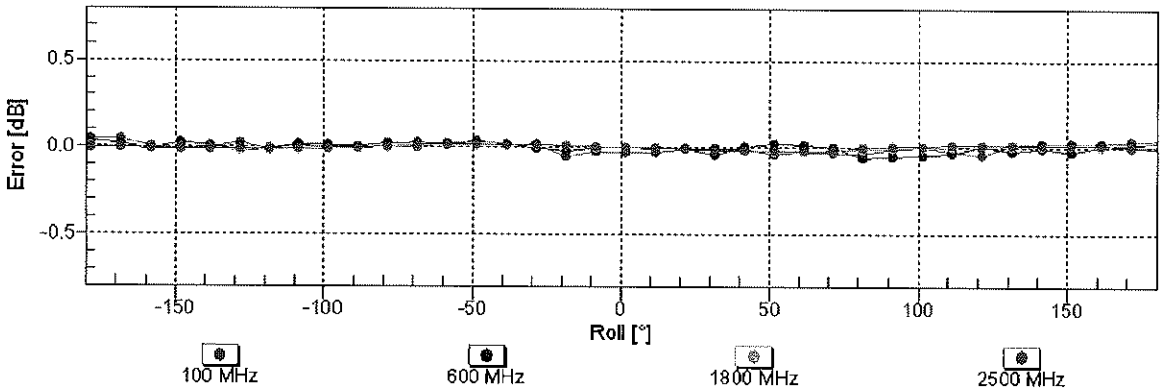
Receiving Pattern (ϕ), ϑ = 0°

f=600 MHz,TEM



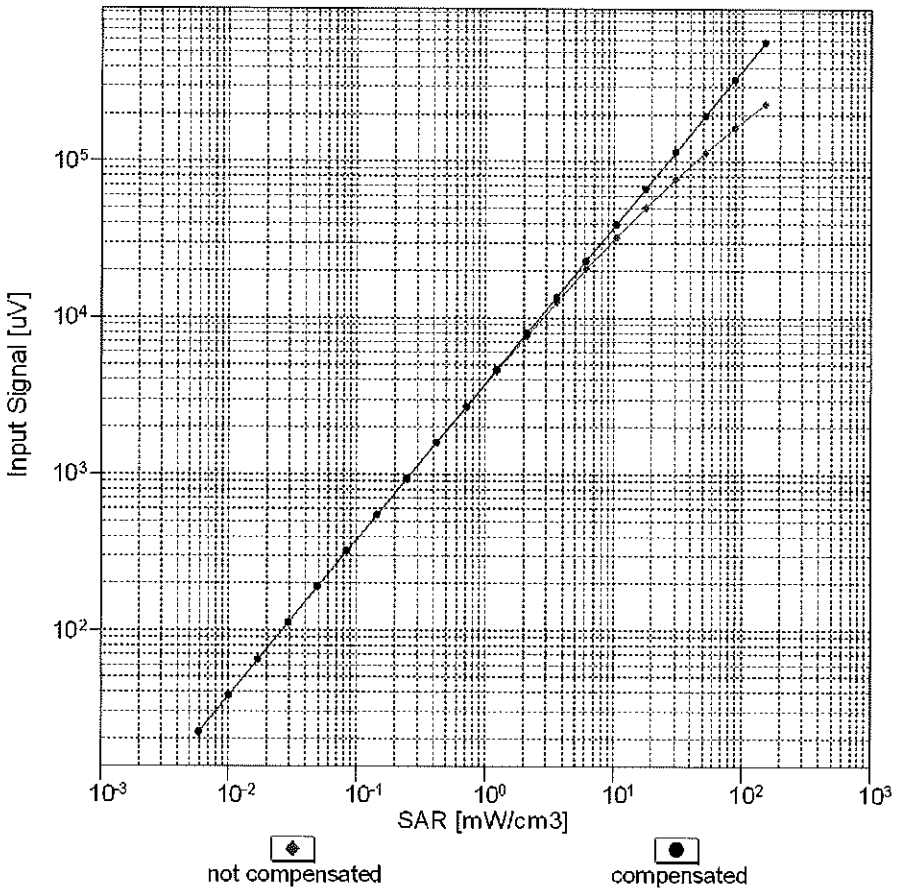
f=1800 MHz,R22

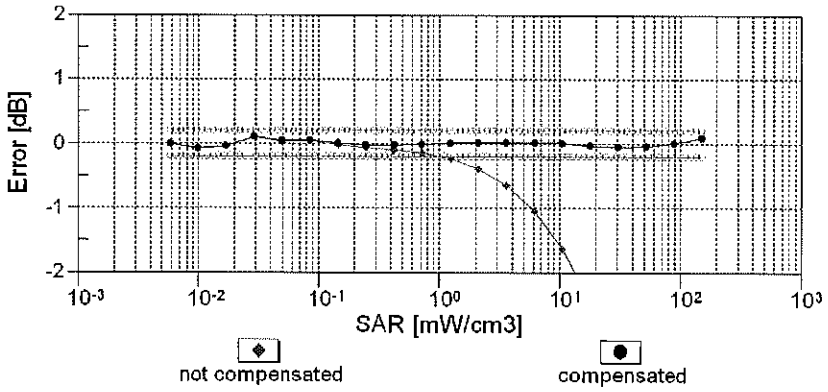




Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

Dynamic Range f(SAR_{head})
(TEM cell , f_{eval}= 1900 MHz)

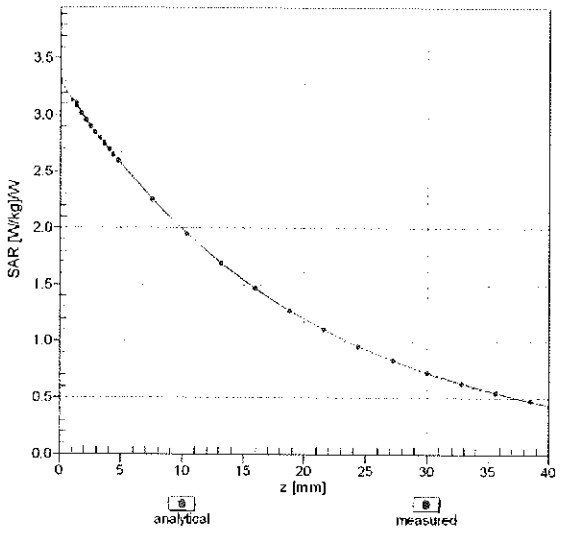




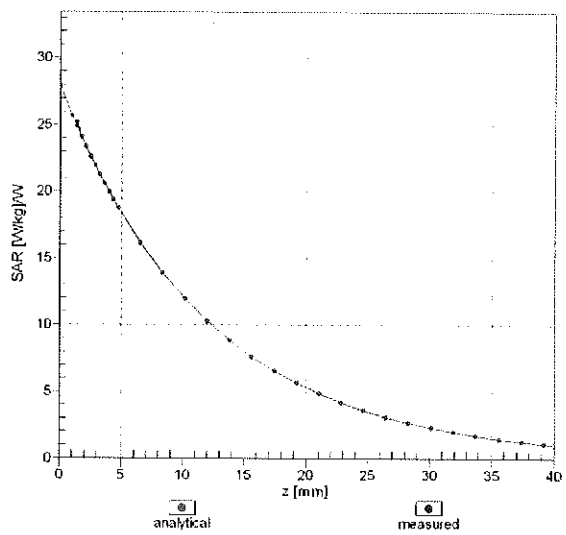
Uncertainty of Linearity Assessment: ± 0.6% (k=2)

Conversion Factor Assessment

f = 835 MHz,WGLS R9 (H_convF)

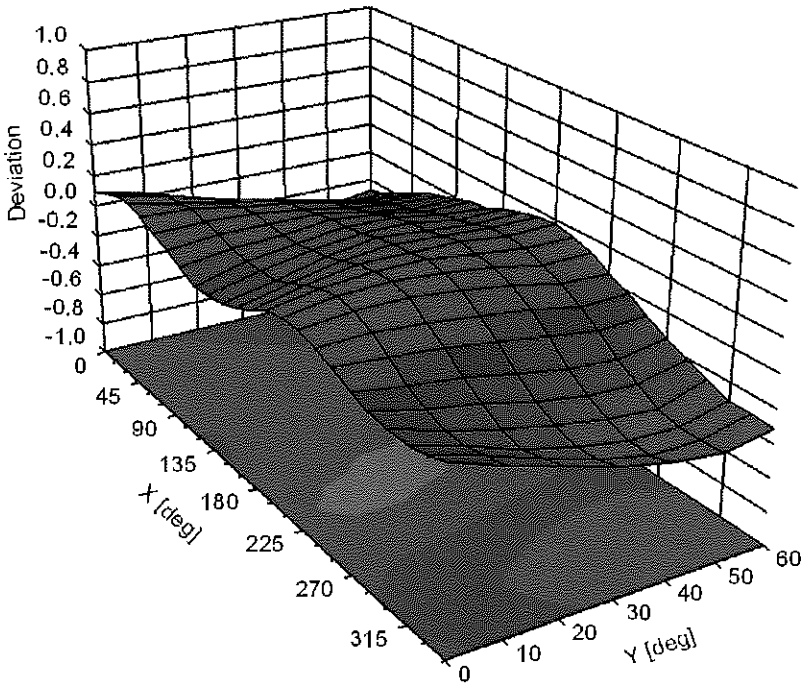


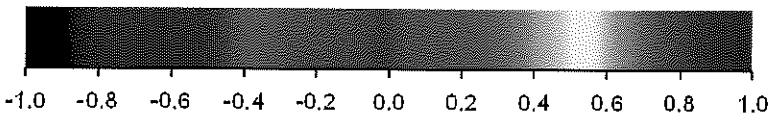
f = 1900 MHz,WGLS R22 (H_convF)



Deviation from Isotropy in Liquid

Error (ϕ, ϑ), f = 900 MHz





Uncertainty of Spherical Isotropy Assessment: ± 2.6% (k=2)

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7420

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	41.5
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm

Appendix: Modulation Calibration Parameters

UID	Communication System Name		A dB	B dB√μV	C	D dB	VR mV	Max Unc^E (k=2)
0	CW	X	0.00	0.00	1.00	0.00	142.4	± 3.0 %
		Y	0.00	0.00	1.00		149.4	
		Z	0.00	0.00	1.00		150.8	
10010-CAA	SAR Validation (Square, 100ms, 10ms)	X	1.98	65.48	9.62	10.00	20.0	± 9.6 %
		Y	1.47	62.68	7.81		20.0	
		Z	2.00	65.57	9.72		20.0	
10011-CAB	UMTS-FDD (WCDMA)	X	1.00	67.02	14.98	0.00	150.0	± 9.6 %
		Y	0.83	64.45	12.97		150.0	
		Z	1.96	81.22	21.14		150.0	
10012-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	X	1.14	63.59	15.07	0.41	150.0	± 9.6 %
		Y	1.04	62.37	14.08		150.0	
		Z	1.16	66.22	17.23		150.0	
10013-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	X	4.79	66.65	17.04	1.46	150.0	± 9.6 %
		Y	4.69	66.38	16.93		150.0	
		Z	4.61	67.51	17.78		150.0	
10021-DAC	GSM-FDD (TDMA, GMSK)	X	100.00	111.76	25.68	9.39	50.0	± 9.6 %
		Y	100.00	109.09	24.23		50.0	
		Z	100.00	114.78	27.14		50.0	
10023-DAC	GPRS-FDD (TDMA, GMSK, TN 0)	X	100.00	111.11	25.44	9.57	50.0	± 9.6 %
		Y	100.00	127.89	27.94		50.0	
		Z	100.00	113.52	26.62		50.0	
10024-DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	X	100.00	113.65	25.51	6.56	60.0	± 9.6 %
		Y	100.00	110.68	23.73		60.0	
		Z	100.00	118.22	27.47		60.0	
10025-DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	X	6.23	86.55	35.63	12.57	50.0	± 9.6 %
		Y	3.75	69.80	26.94		50.0	
		Z	11.42	109.88	46.67		50.0	
10026-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	X	8.22	92.71	33.98	9.56	60.0	± 9.6 %
		Y	5.56	83.39	30.47		60.0	
		Z	8.02	95.21	36.32		60.0	
10027-DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	X	100.00	117.09	26.25	4.80	80.0	± 9.6 %
		Y	100.00	112.75	23.76		80.0	
		Z	100.00	126.04	29.89		80.0	
10028-DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	X	100.00	121.88	27.58	3.55	100.0	± 9.6 %
		Y	100.00	113.78	23.43		100.0	
		Z	100.00	141.34	35.26		100.0	
10029-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	X	4.93	79.80	27.39	7.80	80.0	± 9.6 %
		Y	3.78	74.20	25.10		80.0	
		Z	4.76	81.21	29.20		80.0	
10030-CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	X	100.00	112.75	24.67	5.30	70.0	± 9.6 %
		Y	100.00	108.52	22.29		70.0	
		Z	100.00	116.38	26.08		70.0	
10031-CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	X	100.00	120.79	25.70	1.88	100.0	± 9.6 %
		Y	99.68	90.03	12.76		100.0	
		Z	100.00	148.21	35.39		100.0	

10032-CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	X	100.00	131.66	28.96	1.17	100.0	± 9.6 %
		Y	0.14	60.00	3.20		100.0	
		Z	0.30	60.00	5.00		100.0	
10033-CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	X	34.10	114.43	31.26	5.30	70.0	± 9.6 %
		Y	12.31	98.88	26.70		70.0	
		Z	100.00	124.15	31.42		70.0	
10034-CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	X	3.37	80.11	19.28	1.88	100.0	± 9.6 %
		Y	1.69	70.98	14.93		100.0	
		Z	100.00	112.59	24.56		100.0	
10035-CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	X	2.03	73.99	16.65	1.17	100.0	± 9.6 %
		Y	1.18	67.07	12.74		100.0	
		Z	4.60	80.36	15.68		100.0	
10036-CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	X	87.17	129.81	35.04	5.30	70.0	± 9.6 %
		Y	23.49	109.32	29.66		70.0	
		Z	100.00	124.84	31.72		70.0	
10037-CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	X	3.02	78.74	18.77	1.88	100.0	± 9.6 %
		Y	1.56	70.11	14.55		100.0	
		Z	100.00	112.67	24.56		100.0	
10038-CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	X	2.04	74.33	16.91	1.17	100.0	± 9.6 %
		Y	1.18	67.29	12.96		100.0	
		Z	7.48	85.69	17.45		100.0	
10039-CAB	CDMA2000 (1xRTT, RC1)	X	1.64	70.84	14.77	0.00	150.0	± 9.6 %
		Y	0.99	64.73	10.80		150.0	
		Z	0.55	61.60	7.23		150.0	
10042-CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	X	100.00	108.63	23.57	7.78	50.0	± 9.6 %
		Y	100.00	104.99	21.61		50.0	
		Z	100.00	110.10	24.21		50.0	
10044-CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	X	0.00	98.66	3.53	0.00	150.0	± 9.6 %
		Y	0.03	121.19	2.53		150.0	
		Z	0.03	138.40	2.04		150.0	
10048-CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	X	100.00	107.10	25.09	13.80	25.0	± 9.6 %
		Y	61.80	98.59	22.38		25.0	
		Z	100.00	108.47	25.89		25.0	
10049-CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	X	100.00	108.99	24.81	10.79	40.0	± 9.6 %
		Y	195.67	113.34	24.95		40.0	
		Z	100.00	110.63	25.67		40.0	
10056-CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	X	100.00	124.93	33.47	9.03	50.0	± 9.6 %
		Y	100.00	123.65	32.61		50.0	
		Z	100.00	121.51	31.54		50.0	
10058-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	X	3.87	74.66	24.22	6.55	100.0	± 9.6 %
		Y	3.14	70.61	22.52		100.0	
		Z	3.77	75.92	25.92		100.0	
10059-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	X	1.16	64.53	15.65	0.61	110.0	± 9.6 %
		Y	1.04	63.03	14.55		110.0	
		Z	1.23	68.05	18.30		110.0	
10060-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	X	15.10	113.48	30.90	1.30	110.0	± 9.6 %
		Y	2.20	84.00	21.73		110.0	
		Z	100.00	155.34	42.50		110.0	

10061-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	X	2.40	79.17	22.27	2.04	110.0	± 9.6 %
		Y	1.58	72.97	19.64		110.0	
		Z	16.21	119.48	36.23		110.0	
10062-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	X	4.60	66.65	16.46	0.49	100.0	± 9.6 %
		Y	4.49	66.31	16.28		100.0	
		Z	4.38	67.35	17.07		100.0	
10063-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	X	4.62	66.73	16.56	0.72	100.0	± 9.6 %
		Y	4.50	66.40	16.39		100.0	
		Z	4.41	67.52	17.22		100.0	
10064-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	X	4.89	66.98	16.79	0.86	100.0	± 9.6 %
		Y	4.77	66.66	16.63		100.0	
		Z	4.62	67.67	17.39		100.0	
10065-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	X	4.75	66.86	16.88	1.21	100.0	± 9.6 %
		Y	4.63	66.51	16.72		100.0	
		Z	4.51	67.52	17.51		100.0	
10066-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	X	4.77	66.87	17.05	1.46	100.0	± 9.6 %
		Y	4.64	66.53	16.90		100.0	
		Z	4.51	67.50	17.67		100.0	
10067-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	X	5.05	67.07	17.51	2.04	100.0	± 9.6 %
		Y	4.94	66.81	17.41		100.0	
		Z	4.79	67.81	18.17		100.0	
10068-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	X	5.08	67.04	17.71	2.55	100.0	± 9.6 %
		Y	4.96	66.73	17.60		100.0	
		Z	4.85	67.85	18.44		100.0	
10069-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	X	5.16	67.06	17.91	2.67	100.0	± 9.6 %
		Y	5.04	66.79	17.81		100.0	
		Z	4.89	67.81	18.59		100.0	
10071-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	X	4.88	66.71	17.35	1.99	100.0	± 9.6 %
		Y	4.78	66.45	17.24		100.0	
		Z	4.72	67.62	18.12		100.0	
10072-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	X	4.84	66.99	17.55	2.30	100.0	± 9.6 %
		Y	4.73	66.69	17.44		100.0	
		Z	4.67	67.87	18.35		100.0	
10073-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	X	4.89	67.13	17.88	2.83	100.0	± 9.6 %
		Y	4.78	66.83	17.78		100.0	
		Z	4.76	68.20	18.80		100.0	
10074-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	X	4.87	67.00	18.02	3.30	100.0	± 9.6 %
		Y	4.76	66.71	17.92		100.0	
		Z	4.79	68.25	19.02		100.0	
10075-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	X	4.89	67.05	18.31	3.82	90.0	± 9.6 %
		Y	4.77	66.72	18.20		90.0	
		Z	4.82	68.28	19.30		90.0	
10076-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	X	4.90	66.85	18.44	4.15	90.0	± 9.6 %
		Y	4.80	66.54	18.35		90.0	
		Z	4.86	68.13	19.48		90.0	
10077-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	X	4.92	66.91	18.54	4.30	90.0	± 9.6 %
		Y	4.82	66.61	18.45		90.0	
		Z	4.90	68.27	19.62		90.0	

10081-CAB	CDMA2000 (1xRTT, RC3)	X	0.76	65.14	11.71	0.00	150.0	± 9.6 %
		Y	0.53	61.53	8.49		150.0	
		Z	0.32	60.00	5.58		150.0	
10082-CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	X	3.07	65.96	5.95	4.77	80.0	± 9.6 %
		Y	0.68	60.01	2.69		80.0	
		Z	3.72	65.73	5.41		80.0	
10090-DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	X	100.00	113.67	25.53	6.56	60.0	± 9.6 %
		Y	100.00	110.80	23.80		60.0	
		Z	100.00	118.34	27.54		60.0	
10097-CAB	UMTS-FDD (HSDPA)	X	1.80	67.64	15.50	0.00	150.0	± 9.6 %
		Y	1.60	65.93	14.18		150.0	
		Z	2.40	74.76	18.23		150.0	
10098-CAB	UMTS-FDD (HSUPA, Subtest 2)	X	1.76	67.59	15.48	0.00	150.0	± 9.6 %
		Y	1.57	65.86	14.13		150.0	
		Z	2.37	74.85	18.29		150.0	
10099-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	X	8.30	92.94	34.06	9.56	60.0	± 9.6 %
		Y	5.60	83.56	30.54		60.0	
		Z	8.11	95.47	36.42		60.0	
10100-CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	3.05	70.07	16.57	0.00	150.0	± 9.6 %
		Y	2.76	68.39	15.63		150.0	
		Z	3.16	72.48	18.28		150.0	
10101-CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	3.18	67.38	15.83	0.00	150.0	± 9.6 %
		Y	3.02	66.47	15.28		150.0	
		Z	3.08	68.35	16.76		150.0	
10102-CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	3.28	67.36	15.93	0.00	150.0	± 9.6 %
		Y	3.13	66.51	15.41		150.0	
		Z	3.18	68.30	16.82		150.0	
10103-CAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	5.68	75.14	20.49	3.98	65.0	± 9.6 %
		Y	4.89	73.15	19.84		65.0	
		Z	6.24	78.98	22.83		65.0	
10104-CAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	5.70	73.02	20.33	3.98	65.0	± 9.6 %
		Y	4.99	71.04	19.60		65.0	
		Z	5.49	74.02	21.36		65.0	
10105-CAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	5.24	71.14	19.77	3.98	65.0	± 9.6 %
		Y	4.74	69.73	19.27		65.0	
		Z	5.36	73.24	21.27		65.0	
10108-CAF	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	2.65	69.31	16.39	0.00	150.0	± 9.6 %
		Y	2.39	67.70	15.42		150.0	
		Z	2.77	72.57	18.40		150.0	
10109-CAF	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	2.83	67.24	15.71	0.00	150.0	± 9.6 %
		Y	2.65	66.25	15.04		150.0	
		Z	2.75	68.90	16.75		150.0	
10110-CAF	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	2.14	68.44	15.95	0.00	150.0	± 9.6 %
		Y	1.89	66.73	14.78		150.0	
		Z	2.33	73.09	18.18		150.0	
10111-CAF	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	2.55	68.11	15.95	0.00	150.0	± 9.6 %
		Y	2.32	66.80	14.97		150.0	
		Z	2.67	71.57	17.20		150.0	

10112-CAF	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	2.96	67.26	15.78	0.00	150.0	± 9.6 %
		Y	2.78	66.34	15.15		150.0	
		Z	2.87	68.92	16.78		150.0	
10113-CAF	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	2.70	68.27	16.09	0.00	150.0	± 9.6 %
		Y	2.47	67.04	15.16		150.0	
		Z	2.78	71.49	17.20		150.0	
10114-CAC	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	X	5.07	67.16	16.40	0.00	150.0	± 9.6 %
		Y	4.96	66.77	16.22		150.0	
		Z	4.86	67.49	16.99		150.0	
10115-CAC	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	X	5.33	67.22	16.44	0.00	150.0	± 9.6 %
		Y	5.22	66.88	16.29		150.0	
		Z	5.13	67.68	17.06		150.0	
10116-CAC	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	X	5.15	67.33	16.41	0.00	150.0	± 9.6 %
		Y	5.05	66.96	16.25		150.0	
		Z	4.95	67.74	17.04		150.0	
10117-CAC	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	X	5.03	67.02	16.34	0.00	150.0	± 9.6 %
		Y	4.95	66.69	16.20		150.0	
		Z	4.83	67.33	16.93		150.0	
10118-CAC	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	X	5.40	67.41	16.54	0.00	150.0	± 9.6 %
		Y	5.31	67.12	16.42		150.0	
		Z	5.15	67.71	17.09		150.0	
10119-CAC	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	X	5.13	67.29	16.40	0.00	150.0	± 9.6 %
		Y	5.05	66.96	16.26		150.0	
		Z	4.95	67.72	17.04		150.0	
10140-CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	3.31	67.37	15.85	0.00	150.0	± 9.6 %
		Y	3.15	66.52	15.32		150.0	
		Z	3.19	68.39	16.74		150.0	
10141-CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	3.44	67.49	16.02	0.00	150.0	± 9.6 %
		Y	3.28	66.69	15.53		150.0	
		Z	3.31	68.55	16.92		150.0	
10142-CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	1.91	68.40	15.51	0.00	150.0	± 9.6 %
		Y	1.63	66.25	13.94		150.0	
		Z	2.18	73.58	17.08		150.0	
10143-CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	2.39	68.76	15.51	0.00	150.0	± 9.6 %
		Y	2.06	66.68	13.95		150.0	
		Z	2.31	70.61	14.98		150.0	
10144-CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	2.14	66.35	13.82	0.00	150.0	± 9.6 %
		Y	1.88	64.69	12.43		150.0	
		Z	1.66	65.35	11.84		150.0	
10145-CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	1.07	63.92	10.68	0.00	150.0	± 9.6 %
		Y	0.79	60.96	7.96		150.0	
		Z	0.51	60.00	5.19		150.0	
10146-CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	1.64	64.29	9.90	0.00	150.0	± 9.6 %
		Y	1.16	61.35	7.84		150.0	
		Z	0.53	58.05	3.61		150.0	
10147-CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	1.84	65.54	10.64	0.00	150.0	± 9.6 %
		Y	1.22	61.82	8.20		150.0	
		Z	0.54	58.15	3.73		150.0	

10149-CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	2.84	67.30	15.76	0.00	150.0	± 9.6 %
		Y	2.66	66.31	15.09		150.0	
		Z	2.77	68.99	16.81		150.0	
10150-CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	2.96	67.31	15.82	0.00	150.0	± 9.6 %
		Y	2.79	66.39	15.19		150.0	
		Z	2.88	69.00	16.84		150.0	
10151-CAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	6.17	78.39	21.92	3.98	65.0	± 9.6 %
		Y	5.05	75.73	21.02		65.0	
		Z	7.31	84.36	24.91		65.0	
10152-CAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	5.24	73.02	20.03	3.98	65.0	± 9.6 %
		Y	4.52	70.96	19.20		65.0	
		Z	5.14	74.66	21.03		65.0	
10153-CAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	5.59	73.97	20.81	3.98	65.0	± 9.6 %
		Y	4.84	71.94	20.02		65.0	
		Z	5.56	75.95	21.96		65.0	
10154-CAF	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	2.18	68.82	16.19	0.00	150.0	± 9.6 %
		Y	1.93	67.03	14.98		150.0	
		Z	2.40	73.64	18.47		150.0	
10155-CAF	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	2.55	68.13	15.97	0.00	150.0	± 9.6 %
		Y	2.32	66.82	14.99		150.0	
		Z	2.68	71.67	17.26		150.0	
10156-CAF	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	1.74	68.36	15.19	0.00	150.0	± 9.6 %
		Y	1.43	65.76	13.26		150.0	
		Z	1.84	72.05	15.53		150.0	
10157-CAF	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	1.97	66.80	13.75	0.00	150.0	± 9.6 %
		Y	1.65	64.60	11.97		150.0	
		Z	1.34	64.28	10.56		150.0	
10158-CAF	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	2.70	68.34	16.13	0.00	150.0	± 9.6 %
		Y	2.47	67.10	15.21		150.0	
		Z	2.80	71.64	17.29		150.0	
10159-CAF	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	2.07	67.22	14.01	0.00	150.0	± 9.6 %
		Y	1.72	64.86	12.16		150.0	
		Z	1.37	64.28	10.59		150.0	
10160-CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	2.67	68.50	16.19	0.00	150.0	± 9.6 %
		Y	2.49	67.41	15.44		150.0	
		Z	2.77	71.65	17.94		150.0	
10161-CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	2.86	67.26	15.73	0.00	150.0	± 9.6 %
		Y	2.67	66.30	15.05		150.0	
		Z	2.77	69.10	16.65		150.0	
10162-CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	2.97	67.44	15.86	0.00	150.0	± 9.6 %
		Y	2.78	66.52	15.20		150.0	
		Z	2.89	69.36	16.80		150.0	
10166-CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	3.58	70.16	19.34	3.01	150.0	± 9.6 %
		Y	3.21	68.35	18.55		150.0	
		Z	2.85	69.02	19.82		150.0	
10167-CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	4.66	74.24	20.21	3.01	150.0	± 9.6 %
		Y	3.73	70.62	18.73		150.0	
		Z	3.22	71.92	20.31		150.0	

10168-CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	5.33	77.12	21.77	3.01	150.0	± 9.6 %
		Y	4.14	72.91	20.14		150.0	
		Z	3.62	74.71	22.00		150.0	
10169-CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	3.04	70.09	19.33	3.01	150.0	± 9.6 %
		Y	2.57	66.72	17.79		150.0	
		Z	2.29	66.69	18.75		150.0	
10170-CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	4.85	78.99	22.71	3.01	150.0	± 9.6 %
		Y	3.18	71.08	19.61		150.0	
		Z	2.66	71.22	20.84		150.0	
10171-AAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	3.69	73.30	19.35	3.01	150.0	± 9.6 %
		Y	2.71	67.78	17.08		150.0	
		Z	2.29	68.11	18.30		150.0	
10172-CAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	6.13	88.39	28.20	6.02	65.0	± 9.6 %
		Y	3.72	78.66	24.84		65.0	
		Z	4.52	87.17	29.75		65.0	
10173-CAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	38.00	117.73	34.53	6.02	65.0	± 9.6 %
		Y	6.79	88.15	26.52		65.0	
		Z	10.83	103.55	33.16		65.0	
10174-CAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	29.68	111.18	32.05	6.02	65.0	± 9.6 %
		Y	5.46	83.31	24.22		65.0	
		Z	8.53	97.38	30.44		65.0	
10175-CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	3.00	69.75	19.07	3.01	150.0	± 9.6 %
		Y	2.55	66.48	17.57		150.0	
		Z	2.27	66.49	18.55		150.0	
10176-CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	4.86	79.02	22.73	3.01	150.0	± 9.6 %
		Y	3.19	71.10	19.62		150.0	
		Z	2.67	71.24	20.85		150.0	
10177-CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	3.02	69.91	19.16	3.01	150.0	± 9.6 %
		Y	2.57	66.59	17.64		150.0	
		Z	2.28	66.57	18.60		150.0	
10178-CAF	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	X	4.80	78.76	22.60	3.01	150.0	± 9.6 %
		Y	3.17	70.97	19.54		150.0	
		Z	2.66	71.16	20.79		150.0	
10179-CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	4.20	75.94	20.87	3.01	150.0	± 9.6 %
		Y	2.92	69.33	18.22		150.0	
		Z	2.47	69.69	19.50		150.0	
10180-CAF	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	X	3.68	73.22	19.30	3.01	150.0	± 9.6 %
		Y	2.70	67.74	17.05		150.0	
		Z	2.29	68.11	18.28		150.0	
10181-CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	3.02	69.89	19.16	3.01	150.0	± 9.6 %
		Y	2.56	66.58	17.64		150.0	
		Z	2.28	66.56	18.60		150.0	
10182-CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	4.79	78.73	22.59	3.01	150.0	± 9.6 %
		Y	3.16	70.95	19.52		150.0	
		Z	2.65	71.14	20.78		150.0	
10183-AAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	3.67	73.19	19.29	3.01	150.0	± 9.6 %
		Y	2.70	67.72	17.04		150.0	
		Z	2.29	68.09	18.27		150.0	

10184-CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	3.03	69.94	19.18	3.01	150.0	± 9.6 %
		Y	2.57	66.61	17.66		150.0	
		Z	2.28	66.59	18.61		150.0	
10185-CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	X	4.81	78.82	22.63	3.01	150.0	± 9.6 %
		Y	3.18	71.01	19.56		150.0	
		Z	2.67	71.20	20.82		150.0	
10186-AAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	X	3.69	73.27	19.33	3.01	150.0	± 9.6 %
		Y	2.71	67.78	17.07		150.0	
		Z	2.30	68.14	18.30		150.0	
10187-CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	3.04	70.01	19.26	3.01	150.0	± 9.6 %
		Y	2.58	66.67	17.73		150.0	
		Z	2.29	66.66	18.70		150.0	
10188-CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	5.03	79.71	23.08	3.01	150.0	± 9.6 %
		Y	3.25	71.50	19.88		150.0	
		Z	2.72	71.61	21.11		150.0	
10189-AAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	3.80	73.82	19.65	3.01	150.0	± 9.6 %
		Y	2.76	68.10	17.31		150.0	
		Z	2.34	68.44	18.54		150.0	
10193-CAC	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	X	4.46	66.62	16.08	0.00	150.0	± 9.6 %
		Y	4.34	66.23	15.84		150.0	
		Z	4.25	67.38	16.66		150.0	
10194-CAC	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	X	4.62	66.91	16.21	0.00	150.0	± 9.6 %
		Y	4.49	66.50	15.98		150.0	
		Z	4.36	67.53	16.79		150.0	
10195-CAC	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	X	4.66	66.94	16.23	0.00	150.0	± 9.6 %
		Y	4.53	66.53	16.00		150.0	
		Z	4.38	67.50	16.78		150.0	
10196-CAC	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	X	4.46	66.66	16.09	0.00	150.0	± 9.6 %
		Y	4.33	66.25	15.84		150.0	
		Z	4.22	67.32	16.61		150.0	
10197-CAC	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	X	4.63	66.93	16.22	0.00	150.0	± 9.6 %
		Y	4.50	66.51	15.99		150.0	
		Z	4.37	67.52	16.79		150.0	
10198-CAC	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	X	4.66	66.95	16.24	0.00	150.0	± 9.6 %
		Y	4.53	66.54	16.01		150.0	
		Z	4.37	67.48	16.77		150.0	
10219-CAC	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	X	4.41	66.68	16.06	0.00	150.0	± 9.6 %
		Y	4.28	66.26	15.80		150.0	
		Z	4.18	67.42	16.62		150.0	
10220-CAC	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	X	4.62	66.89	16.21	0.00	150.0	± 9.6 %
		Y	4.50	66.48	15.98		150.0	
		Z	4.36	67.48	16.77		150.0	
10221-CAC	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	X	4.67	66.88	16.23	0.00	150.0	± 9.6 %
		Y	4.54	66.48	16.00		150.0	
		Z	4.39	67.44	16.77		150.0	
10222-CAC	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	X	5.01	67.03	16.34	0.00	150.0	± 9.6 %
		Y	4.91	66.67	16.18		150.0	
		Z	4.82	67.37	16.94		150.0	

10223-CAC	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	X	5.31	67.27	16.48	0.00	150.0	± 9.6 %
		Y	5.21	66.94	16.35		150.0	
		Z	5.01	67.37	16.93		150.0	
10224-CAC	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	X	5.05	67.14	16.32	0.00	150.0	± 9.6 %
		Y	4.95	66.76	16.15		150.0	
		Z	4.86	67.52	16.93		150.0	
10225-CAB	UMTS-FDD (HSPA+)	X	2.74	66.08	15.13	0.00	150.0	± 9.6 %
		Y	2.57	65.25	14.40		150.0	
		Z	2.55	67.23	15.07		150.0	
10226-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	44.72	120.94	35.47	6.02	65.0	± 9.6 %
		Y	7.20	89.32	27.02		65.0	
		Z	12.04	105.88	33.97		65.0	
10227-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	40.29	116.33	33.42	6.02	65.0	± 9.6 %
		Y	7.53	88.97	26.21		65.0	
		Z	12.85	105.50	33.01		65.0	
10228-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	9.31	97.05	31.18	6.02	65.0	± 9.6 %
		Y	4.36	82.33	26.40		65.0	
		Z	5.06	90.04	30.91		65.0	
10229-CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	X	38.44	117.91	34.59	6.02	65.0	± 9.6 %
		Y	6.84	88.25	26.56		65.0	
		Z	10.89	103.62	33.19		65.0	
10230-CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	X	34.51	113.48	32.59	6.02	65.0	± 9.6 %
		Y	7.07	87.78	25.73		65.0	
		Z	11.31	102.92	32.16		65.0	
10231-CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	8.81	95.82	30.69	6.02	65.0	± 9.6 %
		Y	4.22	81.61	26.04		65.0	
		Z	4.83	88.89	30.41		65.0	
10232-CAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	X	38.37	117.90	34.59	6.02	65.0	± 9.6 %
		Y	6.83	88.23	26.55		65.0	
		Z	10.87	103.59	33.18		65.0	
10233-CAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	X	34.36	113.43	32.58	6.02	65.0	± 9.6 %
		Y	7.05	87.74	25.72		65.0	
		Z	11.23	102.80	32.14		65.0	
10234-CAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	8.43	94.76	30.22	6.02	65.0	± 9.6 %
		Y	4.12	81.05	25.70		65.0	
		Z	4.71	88.25	30.04		65.0	
10235-CAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	38.57	118.01	34.62	6.02	65.0	± 9.6 %
		Y	6.83	88.26	26.57		65.0	
		Z	10.91	103.70	33.22		65.0	
10236-CAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	35.32	113.85	32.67	6.02	65.0	± 9.6 %
		Y	7.14	87.93	25.78		65.0	
		Z	11.53	103.24	32.26		65.0	
10237-CAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	8.83	95.91	30.73	6.02	65.0	± 9.6 %
		Y	4.22	81.64	26.06		65.0	
		Z	4.83	88.94	30.44		65.0	
10238-CAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	38.28	117.88	34.58	6.02	65.0	± 9.6 %
		Y	6.81	88.20	26.54		65.0	
		Z	10.85	103.59	33.18		65.0	

10239-CAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	34.18	113.37	32.56	6.02	65.0	± 9.6 %
		Y	7.02	87.69	25.71		65.0	
		Z	11.18	102.74	32.12		65.0	
10240-CAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	8.80	95.85	30.71	6.02	65.0	± 9.6 %
		Y	4.21	81.60	26.04		65.0	
		Z	4.82	88.95	30.44		65.0	
10241-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	7.98	82.84	26.32	6.98	65.0	± 9.6 %
		Y	6.25	78.17	24.62		65.0	
		Z	7.24	85.75	28.71		65.0	
10242-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	7.84	82.54	26.13	6.98	65.0	± 9.6 %
		Y	5.75	76.43	23.79		65.0	
		Z	6.95	84.97	28.32		65.0	
10243-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	5.30	74.80	23.78	6.98	65.0	± 9.6 %
		Y	4.77	72.98	23.12		65.0	
		Z	5.45	79.70	27.16		65.0	
10244-CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	5.35	75.26	17.91	3.98	65.0	± 9.6 %
		Y	3.85	71.20	16.04		65.0	
		Z	2.94	67.75	12.82		65.0	
10245-CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	5.14	74.37	17.48	3.98	65.0	± 9.6 %
		Y	3.74	70.47	15.64		65.0	
		Z	2.81	66.92	12.35		65.0	
10246-CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	5.18	78.96	19.98	3.98	65.0	± 9.6 %
		Y	3.49	73.78	17.58		65.0	
		Z	3.87	74.84	16.54		65.0	
10247-CAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	4.48	73.32	18.33	3.98	65.0	± 9.6 %
		Y	3.59	70.48	16.81		65.0	
		Z	3.73	71.37	15.94		65.0	
10248-CAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	4.44	72.62	17.99	3.98	65.0	± 9.6 %
		Y	3.58	69.88	16.50		65.0	
		Z	3.51	70.04	15.32		65.0	
10249-CAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	6.46	82.83	22.54	3.98	65.0	± 9.6 %
		Y	4.62	78.31	20.71		65.0	
		Z	10.31	91.36	24.44		65.0	
10250-CAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	5.28	75.55	21.09	3.98	65.0	± 9.6 %
		Y	4.43	73.18	20.10		65.0	
		Z	5.62	78.69	22.14		65.0	
10251-CAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	5.05	73.44	19.78	3.98	65.0	± 9.6 %
		Y	4.27	71.23	18.78		65.0	
		Z	4.89	74.82	20.00		65.0	
10252-CAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	6.38	81.60	23.17	3.98	65.0	± 9.6 %
		Y	4.94	78.15	21.94		65.0	
		Z	9.80	92.32	27.22		65.0	
10253-CAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	5.15	72.52	19.77	3.98	65.0	± 9.6 %
		Y	4.46	70.58	18.95		65.0	
		Z	5.07	74.27	20.61		65.0	
10254-CAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	5.46	73.39	20.46	3.98	65.0	± 9.6 %
		Y	4.75	71.45	19.67		65.0	
		Z	5.41	75.29	21.36		65.0	

10255-CAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	5.81	77.49	21.77	3.98	65.0	± 9.6 %
		Y	4.80	74.95	20.87		65.0	
		Z	6.84	83.29	24.55		65.0	
10256-CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	3.73	69.85	14.38	3.98	65.0	± 9.6 %
		Y	2.70	66.29	12.42		65.0	
		Z	1.84	62.37	8.56		65.0	
10257-CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	3.58	68.93	13.85	3.98	65.0	± 9.6 %
		Y	2.63	65.62	11.96		65.0	
		Z	1.81	61.98	8.21		65.0	
10258-CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	3.55	72.74	16.44	3.98	65.0	± 9.6 %
		Y	2.36	67.80	13.71		65.0	
		Z	1.76	64.10	10.09		65.0	
10259-CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	4.82	74.25	19.37	3.98	65.0	± 9.6 %
		Y	3.94	71.68	18.09		65.0	
		Z	4.59	74.76	18.48		65.0	
10260-CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	4.83	73.91	19.22	3.98	65.0	± 9.6 %
		Y	3.97	71.40	17.95		65.0	
		Z	4.50	74.04	18.14		65.0	
10261-CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	6.01	81.19	22.39	3.98	65.0	± 9.6 %
		Y	4.52	77.38	20.87		65.0	
		Z	9.39	90.51	25.09		65.0	
10262-CAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	5.27	75.49	21.05	3.98	65.0	± 9.6 %
		Y	4.41	73.12	20.05		65.0	
		Z	5.58	78.56	22.06		65.0	
10263-CAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	5.04	73.41	19.77	3.98	65.0	± 9.6 %
		Y	4.26	71.21	18.77		65.0	
		Z	4.88	74.80	20.00		65.0	
10264-CAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	6.31	81.38	23.06	3.98	65.0	± 9.6 %
		Y	4.89	77.95	21.83		65.0	
		Z	9.59	91.86	27.03		65.0	
10265-CAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	5.24	73.02	20.04	3.98	65.0	± 9.6 %
		Y	4.52	70.96	19.21		65.0	
		Z	5.14	74.67	21.03		65.0	
10266-CAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	5.59	73.95	20.80	3.98	65.0	± 9.6 %
		Y	4.84	71.93	20.01		65.0	
		Z	5.56	75.94	21.95		65.0	
10267-CAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	6.16	78.34	21.90	3.98	65.0	± 9.6 %
		Y	5.05	75.68	21.00		65.0	
		Z	7.28	84.25	24.86		65.0	
10268-CAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	5.85	72.87	20.36	3.98	65.0	± 9.6 %
		Y	5.16	71.02	19.67		65.0	
		Z	5.66	74.08	21.40		65.0	
10269-CAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	5.84	72.44	20.21	3.98	65.0	± 9.6 %
		Y	5.17	70.67	19.54		65.0	
		Z	5.67	73.65	21.21		65.0	
10270-CAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	5.98	75.28	20.75	3.98	65.0	± 9.6 %
		Y	5.14	73.22	20.06		65.0	
		Z	6.27	78.45	22.79		65.0	

10274-CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	X	2.54	66.52	15.09	0.00	150.0	± 9.6 %
		Y	2.38	65.58	14.29		150.0	
		Z	2.51	68.66	15.57		150.0	
10275-CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	X	1.56	67.69	15.33	0.00	150.0	± 9.6 %
		Y	1.35	65.62	13.81		150.0	
		Z	2.09	75.23	18.57		150.0	
10277-CAA	PHS (QPSK)	X	1.64	60.38	5.85	9.03	50.0	± 9.6 %
		Y	1.38	59.39	4.80		50.0	
		Z	1.36	59.36	4.61		50.0	
10278-CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	X	4.49	73.00	15.27	9.03	50.0	± 9.6 %
		Y	3.09	68.07	12.50		50.0	
		Z	2.42	64.14	9.65		50.0	
10279-CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	X	4.67	73.44	15.53	9.03	50.0	± 9.6 %
		Y	3.21	68.46	12.76		50.0	
		Z	2.46	64.27	9.79		50.0	
10290-AAB	CDMA2000, RC1, SO55, Full Rate	X	1.28	67.55	13.00	0.00	150.0	± 9.6 %
		Y	0.87	63.20	9.74		150.0	
		Z	0.46	60.16	6.10		150.0	
10291-AAB	CDMA2000, RC3, SO55, Full Rate	X	0.75	64.94	11.58	0.00	150.0	± 9.6 %
		Y	0.53	61.44	8.41		150.0	
		Z	0.32	60.00	5.56		150.0	
10292-AAB	CDMA2000, RC3, SO32, Full Rate	X	0.98	69.24	14.07	0.00	150.0	± 9.6 %
		Y	0.58	63.01	9.60		150.0	
		Z	0.33	60.54	6.17		150.0	
10293-AAB	CDMA2000, RC3, SO3, Full Rate	X	1.68	76.56	17.59	0.00	150.0	± 9.6 %
		Y	0.74	65.59	11.37		150.0	
		Z	0.97	69.23	10.62		150.0	
10295-AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	X	12.77	92.35	26.24	9.03	50.0	± 9.6 %
		Y	22.20	100.28	27.92		50.0	
		Z	100.00	115.37	29.46		50.0	
10297-AAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	2.66	69.41	16.46	0.00	150.0	± 9.6 %
		Y	2.40	67.79	15.48		150.0	
		Z	2.79	72.73	18.49		150.0	
10298-AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	1.42	66.77	13.28	0.00	150.0	± 9.6 %
		Y	1.08	63.49	10.70		150.0	
		Z	0.71	61.60	8.01		150.0	
10299-AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	2.44	68.55	13.06	0.00	150.0	± 9.6 %
		Y	1.65	64.37	10.69		150.0	
		Z	0.87	60.44	6.67		150.0	
10300-AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	1.78	64.18	10.26	0.00	150.0	± 9.6 %
		Y	1.37	61.93	8.69		150.0	
		Z	0.81	60.00	5.75		150.0	
10301-AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	X	4.62	65.42	17.37	4.17	50.0	± 9.6 %
		Y	4.51	65.22	17.15		50.0	
		Z	4.62	67.58	18.20		50.0	
10302-AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols)	X	5.06	65.89	18.01	4.96	50.0	± 9.6 %
		Y	4.91	65.43	17.65		50.0	
		Z	4.97	67.46	18.56		50.0	

10303-AAA	IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	X	4.80	65.47	17.81	4.96	50.0	± 9.6 %
		Y	4.65	65.01	17.42		50.0	
		Z	4.76	67.28	18.38		50.0	
10304-AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	X	4.63	65.40	17.32	4.17	50.0	± 9.6 %
		Y	4.47	64.93	16.94		50.0	
		Z	4.59	67.18	17.91		50.0	
10305-AAA	IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)	X	4.10	66.51	18.92	6.02	35.0	± 9.6 %
		Y	3.93	66.00	18.30		35.0	
		Z	4.59	70.79	19.72		35.0	
10306-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)	X	4.49	65.91	18.73	6.02	35.0	± 9.6 %
		Y	4.34	65.55	18.29		35.0	
		Z	4.69	69.17	19.61		35.0	
10307-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)	X	4.36	65.95	18.64	6.02	35.0	± 9.6 %
		Y	4.21	65.52	18.16		35.0	
		Z	4.59	69.24	19.50		35.0	
10308-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	X	4.34	66.13	18.77	6.02	35.0	± 9.6 %
		Y	4.18	65.69	18.28		35.0	
		Z	4.61	69.65	19.75		35.0	
10309-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols)	X	4.53	66.09	18.86	6.02	35.0	± 9.6 %
		Y	4.37	65.69	18.41		35.0	
		Z	4.70	69.25	19.72		35.0	
10310-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)	X	4.43	65.94	18.69	6.02	35.0	± 9.6 %
		Y	4.28	65.57	18.25		35.0	
		Z	4.67	69.37	19.68		35.0	
10311-AAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	3.02	68.71	16.12	0.00	150.0	± 9.6 %
		Y	2.74	67.13	15.24		150.0	
		Z	3.10	71.08	17.81		150.0	
10313-AAA	iDEN 1:3	X	3.73	76.32	17.72	6.99	70.0	± 9.6 %
		Y	2.24	71.02	15.63		70.0	
		Z	11.13	93.46	23.95		70.0	
10314-AAA	iDEN 1:6	X	5.96	86.74	24.63	10.00	30.0	± 9.6 %
		Y	4.04	81.26	22.67		30.0	
		Z	34.68	118.42	34.23		30.0	
10315-AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	X	1.06	63.52	14.98	0.17	150.0	± 9.6 %
		Y	0.97	62.27	13.91		150.0	
		Z	1.08	66.42	17.31		150.0	
10316-AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	X	4.50	66.64	16.23	0.17	150.0	± 9.6 %
		Y	4.39	66.27	16.01		150.0	
		Z	4.28	67.32	16.81		150.0	
10317-AAC	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	X	4.50	66.64	16.23	0.17	150.0	± 9.6 %
		Y	4.39	66.27	16.01		150.0	
		Z	4.28	67.32	16.81		150.0	
10400-AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	X	4.60	66.96	16.21	0.00	150.0	± 9.6 %
		Y	4.47	66.53	15.97		150.0	
		Z	4.29	67.46	16.74		150.0	
10401-AAD	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	X	5.31	67.10	16.37	0.00	150.0	± 9.6 %
		Y	5.22	66.80	16.24		150.0	
		Z	5.09	67.45	16.93		150.0	

10402-AAD	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	X	5.57	67.40	16.38	0.00	150.0	± 9.6 %
		Y	5.47	67.02	16.23		150.0	
		Z	5.38	67.62	16.93		150.0	
10403-AAB	CDMA2000 (1xEV-DO, Rev. 0)	X	1.28	67.55	13.00	0.00	115.0	± 9.6 %
		Y	0.87	63.20	9.74		115.0	
		Z	0.46	60.16	6.10		115.0	
10404-AAB	CDMA2000 (1xEV-DO, Rev. A)	X	1.28	67.55	13.00	0.00	115.0	± 9.6 %
		Y	0.87	63.20	9.74		115.0	
		Z	0.46	60.16	6.10		115.0	
10406-AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	X	100.00	114.35	26.69	0.00	100.0	± 9.6 %
		Y	8.61	89.18	21.46		100.0	
		Z	100.00	124.12	29.49		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	100.00	123.47	30.44	3.23	80.0	± 9.6 %
		Y	29.88	112.60	29.12		80.0	
		Z	100.00	143.39	38.45		80.0	
10415-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	X	1.00	62.89	14.47	0.00	150.0	± 9.6 %
		Y	0.92	61.78	13.44		150.0	
		Z	1.00	65.42	16.60		150.0	
10416-AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	X	4.46	66.65	16.16	0.00	150.0	± 9.6 %
		Y	4.34	66.25	15.92		150.0	
		Z	4.22	67.28	16.71		150.0	
10417-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	X	4.46	66.65	16.16	0.00	150.0	± 9.6 %
		Y	4.34	66.25	15.92		150.0	
		Z	4.22	67.28	16.71		150.0	
10418-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	X	4.45	66.82	16.19	0.00	150.0	± 9.6 %
		Y	4.33	66.42	15.95		150.0	
		Z	4.23	67.56	16.82		150.0	
10419-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule)	X	4.47	66.77	16.18	0.00	150.0	± 9.6 %
		Y	4.35	66.37	15.95		150.0	
		Z	4.24	67.46	16.78		150.0	
10422-AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	X	4.58	66.76	16.20	0.00	150.0	± 9.6 %
		Y	4.46	66.37	15.98		150.0	
		Z	4.33	67.38	16.77		150.0	
10423-AAB	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	X	4.73	67.05	16.30	0.00	150.0	± 9.6 %
		Y	4.60	66.64	16.07		150.0	
		Z	4.44	67.62	16.84		150.0	
10424-AAB	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	X	4.66	67.00	16.28	0.00	150.0	± 9.6 %
		Y	4.53	66.59	16.05		150.0	
		Z	4.37	67.55	16.82		150.0	
10425-AAB	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	X	5.26	67.24	16.44	0.00	150.0	± 9.6 %
		Y	5.17	66.94	16.32		150.0	
		Z	5.05	67.64	17.05		150.0	
10426-AAB	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	X	5.28	67.31	16.47	0.00	150.0	± 9.6 %
		Y	5.20	67.06	16.38		150.0	
		Z	5.11	67.90	17.18		150.0	

10427-AAB	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	X	5.28	67.25	16.44	0.00	150.0	± 9.6 %
		Y	5.17	66.88	16.28		150.0	
		Z	5.03	67.51	16.98		150.0	
10430-AAC	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	X	4.17	70.94	18.03	0.00	150.0	± 9.6 %
		Y	3.94	70.25	17.43		150.0	
		Z	4.39	74.44	18.83		150.0	
10431-AAC	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	X	4.11	67.19	16.11	0.00	150.0	± 9.6 %
		Y	3.95	66.68	15.73		150.0	
		Z	3.82	68.15	16.50		150.0	
10432-AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	X	4.42	67.06	16.21	0.00	150.0	± 9.6 %
		Y	4.28	66.62	15.93		150.0	
		Z	4.14	67.81	16.75		150.0	
10433-AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	X	4.67	67.03	16.30	0.00	150.0	± 9.6 %
		Y	4.54	66.62	16.06		150.0	
		Z	4.39	67.60	16.85		150.0	
10434-AAA	W-CDMA (BS Test Model 1, 64 DPCH)	X	4.27	71.80	17.95	0.00	150.0	± 9.6 %
		Y	3.95	70.75	17.10		150.0	
		Z	4.37	74.54	18.01		150.0	
10435-AAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	123.21	30.32	3.23	80.0	± 9.6 %
		Y	26.80	110.87	28.64		80.0	
		Z	100.00	143.00	38.28		80.0	
10447-AAC	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	3.39	67.13	15.27	0.00	150.0	± 9.6 %
		Y	3.16	66.26	14.52		150.0	
		Z	2.97	67.52	14.59		150.0	
10448-AAC	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	X	3.97	66.98	15.97	0.00	150.0	± 9.6 %
		Y	3.81	66.46	15.58		150.0	
		Z	3.71	67.98	16.41		150.0	
10449-AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	X	4.25	66.89	16.11	0.00	150.0	± 9.6 %
		Y	4.11	66.43	15.82		150.0	
		Z	4.00	67.65	16.67		150.0	
10450-AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	4.45	66.81	16.15	0.00	150.0	± 9.6 %
		Y	4.33	66.37	15.90		150.0	
		Z	4.22	67.38	16.71		150.0	
10451-AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	X	3.25	67.18	14.78	0.00	150.0	± 9.6 %
		Y	2.97	66.04	13.81		150.0	
		Z	2.60	66.32	13.13		150.0	
10456-AAB	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	X	6.15	67.84	16.63	0.00	150.0	± 9.6 %
		Y	6.15	67.72	16.63		150.0	
		Z	6.64	69.94	18.14		150.0	
10457-AAA	UMTS-FDD (DC-HSDPA)	X	3.75	65.32	15.86	0.00	150.0	± 9.6 %
		Y	3.67	64.95	15.62		150.0	
		Z	3.64	66.17	16.50		150.0	
10458-AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	X	3.89	70.96	17.20	0.00	150.0	± 9.6 %
		Y	3.49	69.40	15.97		150.0	
		Z	2.86	68.25	14.10		150.0	
10459-AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	X	4.98	68.55	17.98	0.00	150.0	± 9.6 %
		Y	4.81	68.28	17.63		150.0	
		Z	4.33	68.29	16.68		150.0	

10460-AAA	UMTS-FDD (WCDMA, AMR)	X	0.87	67.71	15.76	0.00	150.0	± 9.6 %
		Y	0.70	64.66	13.36		150.0	
		Z	3.66	95.75	26.74		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	129.54	33.26	3.29	80.0	± 9.6 %
		Y	14.50	104.88	28.18		80.0	
		Z	100.00	153.17	42.85		80.0	
10462-AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.39	65.03	10.31	3.23	80.0	± 9.6 %
		Y	1.03	63.23	10.14		80.0	
		Z	100.00	109.05	22.95		80.0	
10463-AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.81	60.05	7.43	3.23	80.0	± 9.6 %
		Y	0.75	60.00	7.90		80.0	
		Z	0.57	60.30	7.62		80.0	
10464-AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	126.14	31.52	3.23	80.0	± 9.6 %
		Y	12.10	100.62	26.22		80.0	
		Z	100.00	150.19	41.19		80.0	
10465-AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.19	63.61	9.62	3.23	80.0	± 9.6 %
		Y	0.93	62.22	9.59		80.0	
		Z	100.00	107.75	22.39		80.0	
10466-AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.81	60.00	7.35	3.23	80.0	± 9.6 %
		Y	0.75	60.00	7.84		80.0	
		Z	0.55	60.00	7.41		80.0	
10467-AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	126.52	31.69	3.23	80.0	± 9.6 %
		Y	14.79	103.62	27.06		80.0	
		Z	100.00	150.92	41.50		80.0	
10468-AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.24	63.98	9.81	3.23	80.0	± 9.6 %
		Y	0.95	62.51	9.76		80.0	
		Z	100.00	108.41	22.67		80.0	
10469-AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.81	60.00	7.35	3.23	80.0	± 9.6 %
		Y	0.75	60.00	7.84		80.0	
		Z	0.55	60.00	7.42		80.0	
10470-AAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	126.55	31.69	3.23	80.0	± 9.6 %
		Y	15.04	103.89	27.13		80.0	
		Z	100.00	151.07	41.55		80.0	
10471-AAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.22	63.88	9.75	3.23	80.0	± 9.6 %
		Y	0.95	62.45	9.71		80.0	
		Z	100.00	108.26	22.60		80.0	
10472-AAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.81	60.00	7.33	3.23	80.0	± 9.6 %
		Y	0.75	60.00	7.83		80.0	
		Z	0.55	60.00	7.40		80.0	
10473-AAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	126.51	31.67	3.23	80.0	± 9.6 %
		Y	14.94	103.77	27.09		80.0	
		Z	100.00	151.03	41.53		80.0	
10474-AAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.22	63.84	9.73	3.23	80.0	± 9.6 %
		Y	0.94	62.42	9.70		80.0	
		Z	100.00	108.25	22.59		80.0	
10475-AAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.81	60.00	7.33	3.23	80.0	± 9.6 %
		Y	0.75	60.00	7.83		80.0	
		Z	0.55	60.00	7.40		80.0	

10477-AAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.17	63.52	9.56	3.23	80.0	± 9.6 %
		Y	0.92	62.18	9.55		80.0	
		Z	100.00	107.73	22.37		80.0	
10478-AAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.81	60.00	7.32	3.23	80.0	± 9.6 %
		Y	0.75	60.00	7.82		80.0	
		Z	0.55	60.00	7.38		80.0	
10479-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	9.04	90.33	24.26	3.23	80.0	± 9.6 %
		Y	6.61	86.66	23.14		80.0	
		Z	100.00	137.19	37.34		80.0	
10480-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	8.84	83.63	19.75	3.23	80.0	± 9.6 %
		Y	4.76	76.73	17.50		80.0	
		Z	100.00	115.92	27.42		80.0	
10481-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.75	77.50	17.30	3.23	80.0	± 9.6 %
		Y	3.37	71.81	15.25		80.0	
		Z	100.00	111.07	25.15		80.0	
10482-AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.60	71.30	16.37	2.23	80.0	± 9.6 %
		Y	1.67	65.92	13.44		80.0	
		Z	2.83	72.35	14.46		80.0	
10483-AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.50	71.18	15.46	2.23	80.0	± 9.6 %
		Y	2.31	66.36	13.05		80.0	
		Z	1.29	61.22	8.83		80.0	
10484-AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.25	69.98	14.98	2.23	80.0	± 9.6 %
		Y	2.20	65.52	12.66		80.0	
		Z	1.23	60.55	8.44		80.0	
10485-AAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.97	73.01	18.21	2.23	80.0	± 9.6 %
		Y	2.20	69.19	16.27		80.0	
		Z	22.67	102.89	26.50		80.0	
10486-AAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.86	68.82	15.74	2.23	80.0	± 9.6 %
		Y	2.22	65.76	13.92		80.0	
		Z	2.70	69.32	14.28		80.0	
10487-AAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.85	68.38	15.52	2.23	80.0	± 9.6 %
		Y	2.23	65.43	13.74		80.0	
		Z	2.47	67.87	13.61		80.0	
10488-AAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.20	71.90	18.58	2.23	80.0	± 9.6 %
		Y	2.62	69.33	17.40		80.0	
		Z	5.59	84.24	23.63		80.0	
10489-AAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.18	68.52	17.04	2.23	80.0	± 9.6 %
		Y	2.77	66.86	16.15		80.0	
		Z	3.92	74.27	19.29		80.0	
10490-AAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.27	68.37	16.97	2.23	80.0	± 9.6 %
		Y	2.86	66.79	16.11		80.0	
		Z	3.87	73.48	18.93		80.0	
10491-AAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.45	70.42	18.08	2.23	80.0	± 9.6 %
		Y	2.96	68.43	17.20		80.0	
		Z	4.22	76.57	21.22		80.0	
10492-AAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.52	67.77	17.04	2.23	80.0	± 9.6 %
		Y	3.17	66.45	16.39		80.0	
		Z	3.76	71.09	18.73		80.0	

10493-AAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.59	67.65	16.99	2.23	80.0	± 9.6 %
		Y	3.24	66.37	16.35		80.0	
		Z	3.77	70.74	18.54		80.0	
10494-AAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.73	71.91	18.57	2.23	80.0	± 9.6 %
		Y	3.14	69.59	17.59		80.0	
		Z	4.78	78.78	22.06		80.0	
10495-AAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.54	68.08	17.23	2.23	80.0	± 9.6 %
		Y	3.18	66.69	16.58		80.0	
		Z	3.77	71.24	19.01		80.0	
10496-AAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.62	67.84	17.15	2.23	80.0	± 9.6 %
		Y	3.27	66.53	16.54		80.0	
		Z	3.80	70.76	18.81		80.0	
10497-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	1.73	65.94	12.85	2.23	80.0	± 9.6 %
		Y	1.06	60.88	9.56		80.0	
		Z	0.85	60.00	7.05		80.0	
10498-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.28	60.26	8.80	2.23	80.0	± 9.6 %
		Y	1.16	60.00	7.85		80.0	
		Z	1.10	60.00	5.59		80.0	
10499-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.27	60.00	8.50	2.23	80.0	± 9.6 %
		Y	1.18	60.00	7.69		80.0	
		Z	1.14	60.00	5.40		80.0	
10500-AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.02	72.29	18.27	2.23	80.0	± 9.6 %
		Y	2.36	69.20	16.71		80.0	
		Z	10.28	93.15	24.95		80.0	
10501-AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.02	68.86	16.31	2.23	80.0	± 9.6 %
		Y	2.49	66.51	14.92		80.0	
		Z	3.75	73.54	17.07		80.0	
10502-AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.08	68.71	16.17	2.23	80.0	± 9.6 %
		Y	2.54	66.38	14.78		80.0	
		Z	3.58	72.48	16.52		80.0	
10503-AAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.16	71.71	18.48	2.23	80.0	± 9.6 %
		Y	2.59	69.16	17.30		80.0	
		Z	5.44	83.79	23.45		80.0	
10504-AAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.16	68.43	16.98	2.23	80.0	± 9.6 %
		Y	2.76	66.77	16.09		80.0	
		Z	3.88	74.08	19.19		80.0	
10505-AAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.25	68.28	16.92	2.23	80.0	± 9.6 %
		Y	2.85	66.70	16.06		80.0	
		Z	3.84	73.33	18.85		80.0	
10506-AAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.70	71.78	18.50	2.23	80.0	± 9.6 %
		Y	3.12	69.46	17.52		80.0	
		Z	4.72	78.55	21.96		80.0	
10507-AAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.53	68.03	17.19	2.23	80.0	± 9.6 %
		Y	3.17	66.63	16.54		80.0	
		Z	3.75	71.16	18.97		80.0	

10508-AAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.61	67.78	17.11	2.23	80.0	± 9.6 %
		Y	3.26	66.47	16.49		80.0	
		Z	3.78	70.66	18.75		80.0	
10509-AAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.07	70.61	17.99	2.23	80.0	± 9.6 %
		Y	3.56	68.75	17.23		80.0	
		Z	4.50	74.42	20.36		80.0	
10510-AAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.01	67.79	17.19	2.23	80.0	± 9.6 %
		Y	3.67	66.54	16.66		80.0	
		Z	4.03	69.58	18.54		80.0	
10511-AAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.07	67.56	17.12	2.23	80.0	± 9.6 %
		Y	3.74	66.39	16.62		80.0	
		Z	4.08	69.30	18.42		80.0	
10512-AAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.24	72.14	18.49	2.23	80.0	± 9.6 %
		Y	3.60	69.85	17.56		80.0	
		Z	4.88	76.57	21.10		80.0	
10513-AAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.89	68.00	17.28	2.23	80.0	± 9.6 %
		Y	3.54	66.65	16.71		80.0	
		Z	3.93	69.75	18.67		80.0	
10514-AAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.93	67.61	17.16	2.23	80.0	± 9.6 %
		Y	3.60	66.36	16.63		80.0	
		Z	3.95	69.22	18.46		80.0	
10515-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	X	0.96	63.06	14.52	0.00	150.0	± 9.6 %
		Y	0.88	61.87	13.42		150.0	
		Z	0.97	65.95	16.87		150.0	
10516-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	X	0.57	69.38	16.67	0.00	150.0	± 9.6 %
		Y	0.42	64.94	13.06		150.0	
		Z	100.00	169.97	46.35		150.0	
10517-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	X	0.80	64.78	15.05	0.00	150.0	± 9.6 %
		Y	0.70	62.90	13.39		150.0	
		Z	0.98	72.03	19.62		150.0	
10518-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	X	4.45	66.73	16.14	0.00	150.0	± 9.6 %
		Y	4.33	66.33	15.90		150.0	
		Z	4.22	67.44	16.73		150.0	
10519-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	X	4.62	66.93	16.24	0.00	150.0	± 9.6 %
		Y	4.49	66.53	16.01		150.0	
		Z	4.34	67.57	16.79		150.0	
10520-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	X	4.47	66.88	16.16	0.00	150.0	± 9.6 %
		Y	4.34	66.44	15.91		150.0	
		Z	4.21	67.50	16.72		150.0	
10521-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	X	4.41	66.87	16.15	0.00	150.0	± 9.6 %
		Y	4.27	66.41	15.88		150.0	
		Z	4.14	67.42	16.68		150.0	
10522-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	X	4.47	66.99	16.25	0.00	150.0	± 9.6 %
		Y	4.33	66.55	15.99		150.0	
		Z	4.16	67.47	16.72		150.0	

10523-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	X	4.36	66.89	16.11	0.00	150.0	± 9.6 %
		Y	4.24	66.47	15.86		150.0	
		Z	4.15	67.74	16.81		150.0	
10524-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	X	4.41	66.91	16.21	0.00	150.0	± 9.6 %
		Y	4.27	66.48	15.96		150.0	
		Z	4.13	67.58	16.81		150.0	
10525-AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	X	4.42	65.98	15.82	0.00	150.0	± 9.6 %
		Y	4.29	65.56	15.57		150.0	
		Z	4.21	66.73	16.46		150.0	
10526-AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)	X	4.56	66.31	15.95	0.00	150.0	± 9.6 %
		Y	4.42	65.86	15.70		150.0	
		Z	4.30	66.94	16.55		150.0	
10527-AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	X	4.49	66.27	15.89	0.00	150.0	± 9.6 %
		Y	4.35	65.81	15.63		150.0	
		Z	4.25	66.95	16.50		150.0	
10528-AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	X	4.50	66.29	15.92	0.00	150.0	± 9.6 %
		Y	4.37	65.82	15.66		150.0	
		Z	4.26	66.95	16.53		150.0	
10529-AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	X	4.50	66.29	15.92	0.00	150.0	± 9.6 %
		Y	4.37	65.82	15.66		150.0	
		Z	4.26	66.95	16.53		150.0	
10531-AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)	X	4.48	66.36	15.92	0.00	150.0	± 9.6 %
		Y	4.33	65.86	15.64		150.0	
		Z	4.21	66.92	16.48		150.0	
10532-AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	X	4.35	66.22	15.85	0.00	150.0	± 9.6 %
		Y	4.21	65.71	15.56		150.0	
		Z	4.11	66.80	16.43		150.0	
10533-AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)	X	4.51	66.35	15.92	0.00	150.0	± 9.6 %
		Y	4.37	65.89	15.66		150.0	
		Z	4.26	67.08	16.55		150.0	
10534-AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	X	5.05	66.37	15.99	0.00	150.0	± 9.6 %
		Y	4.94	65.96	15.81		150.0	
		Z	4.84	66.67	16.54		150.0	
10535-AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	X	5.11	66.53	16.07	0.00	150.0	± 9.6 %
		Y	5.00	66.13	15.88		150.0	
		Z	4.87	66.81	16.62		150.0	
10536-AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	X	4.99	66.50	16.03	0.00	150.0	± 9.6 %
		Y	4.88	66.09	15.84		150.0	
		Z	4.76	66.80	16.58		150.0	
10537-AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	X	5.04	66.45	16.01	0.00	150.0	± 9.6 %
		Y	4.93	66.06	15.83		150.0	
		Z	4.87	66.94	16.66		150.0	
10538-AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	X	5.12	66.46	16.05	0.00	150.0	± 9.6 %
		Y	5.01	66.06	15.88		150.0	
		Z	4.87	66.70	16.57		150.0	
10540-AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	X	5.05	66.45	16.06	0.00	150.0	± 9.6 %
		Y	4.94	66.03	15.87		150.0	
		Z	4.81	66.67	16.58		150.0	

10541-AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)	X	5.03	66.35	16.00	0.00	150.0	± 9.6 %
		Y	4.91	65.91	15.79		150.0	
		Z	4.81	66.64	16.54		150.0	
10542-AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	X	5.19	66.43	16.06	0.00	150.0	± 9.6 %
		Y	5.08	66.04	15.88		150.0	
		Z	4.95	66.69	16.58		150.0	
10543-AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	X	5.25	66.44	16.09	0.00	150.0	± 9.6 %
		Y	5.15	66.10	15.94		150.0	
		Z	5.03	66.83	16.69		150.0	
10544-AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	X	5.37	66.47	15.99	0.00	150.0	± 9.6 %
		Y	5.28	66.07	15.82		150.0	
		Z	5.21	66.60	16.48		150.0	
10545-AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)	X	5.55	66.87	16.14	0.00	150.0	± 9.6 %
		Y	5.48	66.56	16.03		150.0	
		Z	5.42	67.24	16.77		150.0	
10546-AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	X	5.42	66.63	16.03	0.00	150.0	± 9.6 %
		Y	5.32	66.20	15.86		150.0	
		Z	5.23	66.72	16.51		150.0	
10547-AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	X	5.49	66.69	16.05	0.00	150.0	± 9.6 %
		Y	5.40	66.32	15.91		150.0	
		Z	5.44	67.30	16.80		150.0	
10548-AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	X	5.68	67.44	16.41	0.00	150.0	± 9.6 %
		Y	5.61	67.14	16.29		150.0	
		Z	5.44	67.46	16.86		150.0	
10550-AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	X	5.46	66.70	16.08	0.00	150.0	± 9.6 %
		Y	5.39	66.41	15.97		150.0	
		Z	5.44	67.48	16.91		150.0	
10551-AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	X	5.45	66.69	16.03	0.00	150.0	± 9.6 %
		Y	5.33	66.22	15.84		150.0	
		Z	5.21	66.64	16.46		150.0	
10552-AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	X	5.38	66.56	15.97	0.00	150.0	± 9.6 %
		Y	5.29	66.14	15.80		150.0	
		Z	5.21	66.76	16.51		150.0	
10553-AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	X	5.45	66.56	16.00	0.00	150.0	± 9.6 %
		Y	5.35	66.13	15.83		150.0	
		Z	5.25	66.64	16.47		150.0	
10554-AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	X	5.78	66.82	16.07	0.00	150.0	± 9.6 %
		Y	5.71	66.44	15.93		150.0	
		Z	5.67	66.90	16.54		150.0	
10555-AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	X	5.90	67.09	16.19	0.00	150.0	± 9.6 %
		Y	5.82	66.72	16.05		150.0	
		Z	5.76	67.16	16.66		150.0	
10556-AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)	X	5.92	67.15	16.21	0.00	150.0	± 9.6 %
		Y	5.85	66.81	16.09		150.0	
		Z	5.85	67.43	16.79		150.0	
10557-AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	X	5.88	67.05	16.18	0.00	150.0	± 9.6 %
		Y	5.80	66.65	16.03		150.0	
		Z	5.73	67.07	16.62		150.0	

10558-AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	X	5.93	67.20	16.27	0.00	150.0	± 9.6 %
		Y	5.83	66.77	16.10		150.0	
		Z	5.70	67.00	16.61		150.0	
10560-AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	X	5.92	67.06	16.23	0.00	150.0	± 9.6 %
		Y	5.83	66.66	16.08		150.0	
		Z	5.73	66.98	16.63		150.0	
10561-AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	X	5.85	67.03	16.26	0.00	150.0	± 9.6 %
		Y	5.77	66.66	16.12		150.0	
		Z	5.67	66.99	16.67		150.0	
10562-AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	X	5.94	67.32	16.40	0.00	150.0	± 9.6 %
		Y	5.83	66.85	16.21		150.0	
		Z	5.72	67.13	16.74		150.0	
10563-AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	X	6.03	67.22	16.31	0.00	150.0	± 9.6 %
		Y	5.94	66.85	16.18		150.0	
		Z	5.87	67.29	16.79		150.0	
10564-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)	X	4.77	66.79	16.29	0.46	150.0	± 9.6 %
		Y	4.66	66.43	16.09		150.0	
		Z	4.53	67.38	16.84		150.0	
10565-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)	X	4.99	67.21	16.61	0.46	150.0	± 9.6 %
		Y	4.86	66.84	16.41		150.0	
		Z	4.70	67.76	17.13		150.0	
10566-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)	X	4.82	67.05	16.42	0.46	150.0	± 9.6 %
		Y	4.69	66.65	16.20		150.0	
		Z	4.55	67.57	16.95		150.0	
10567-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)	X	4.85	67.43	16.77	0.46	150.0	± 9.6 %
		Y	4.72	67.02	16.56		150.0	
		Z	4.58	67.97	17.33		150.0	
10568-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle)	X	4.73	66.84	16.20	0.46	150.0	± 9.6 %
		Y	4.60	66.42	15.96		150.0	
		Z	4.41	67.18	16.62		150.0	
10569-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	X	4.82	67.57	16.86	0.46	150.0	± 9.6 %
		Y	4.69	67.19	16.66		150.0	
		Z	4.60	68.35	17.57		150.0	
10570-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle)	X	4.84	67.40	16.78	0.46	150.0	± 9.6 %
		Y	4.71	67.03	16.58		150.0	
		Z	4.56	68.01	17.38		150.0	
10571-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	X	1.12	63.92	15.25	0.46	130.0	± 9.6 %
		Y	1.01	62.56	14.19		130.0	
		Z	1.16	67.01	17.67		130.0	
10572-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	X	1.12	64.43	15.58	0.46	130.0	± 9.6 %
		Y	1.01	62.96	14.46		130.0	
		Z	1.19	67.98	18.26		130.0	
10573-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	X	1.38	80.48	21.60	0.46	130.0	± 9.6 %
		Y	0.74	70.76	16.62		130.0	
		Z	100.00	166.51	46.17		130.0	
10574-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	X	1.17	69.37	18.21	0.46	130.0	± 9.6 %
		Y	0.97	66.56	16.37		130.0	
		Z	1.84	82.04	24.87		130.0	

10575-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	X	4.55	66.56	16.33	0.46	130.0	± 9.6 %
		Y	4.44	66.20	16.13		130.0	
		Z	4.32	67.20	16.89		130.0	
10576-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	X	4.58	66.73	16.40	0.46	130.0	± 9.6 %
		Y	4.46	66.38	16.20		130.0	
		Z	4.35	67.48	17.02		130.0	
10577-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	X	4.76	67.00	16.56	0.46	130.0	± 9.6 %
		Y	4.64	66.64	16.36		130.0	
		Z	4.49	67.66	17.14		130.0	
10578-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	X	4.66	67.14	16.65	0.46	130.0	± 9.6 %
		Y	4.53	66.75	16.45		130.0	
		Z	4.41	67.83	17.27		130.0	
10579-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	X	4.42	66.41	15.96	0.46	130.0	± 9.6 %
		Y	4.29	65.99	15.72		130.0	
		Z	4.15	66.91	16.47		130.0	
10580-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	X	4.47	66.47	15.99	0.46	130.0	± 9.6 %
		Y	4.34	66.06	15.76		130.0	
		Z	4.16	66.89	16.44		130.0	
10581-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	X	4.56	67.18	16.60	0.46	130.0	± 9.6 %
		Y	4.43	66.79	16.40		130.0	
		Z	4.35	68.05	17.33		130.0	
10582-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	X	4.36	66.18	15.75	0.46	130.0	± 9.6 %
		Y	4.23	65.77	15.51		130.0	
		Z	4.07	66.70	16.26		130.0	
10583-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	X	4.55	66.56	16.33	0.46	130.0	± 9.6 %
		Y	4.44	66.20	16.13		130.0	
		Z	4.32	67.20	16.89		130.0	
10584-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	X	4.58	66.73	16.40	0.46	130.0	± 9.6 %
		Y	4.46	66.38	16.20		130.0	
		Z	4.35	67.48	17.02		130.0	
10585-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	X	4.76	67.00	16.56	0.46	130.0	± 9.6 %
		Y	4.64	66.64	16.36		130.0	
		Z	4.49	67.66	17.14		130.0	
10586-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	X	4.66	67.14	16.65	0.46	130.0	± 9.6 %
		Y	4.53	66.75	16.45		130.0	
		Z	4.41	67.83	17.27		130.0	
10587-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	X	4.42	66.41	15.96	0.46	130.0	± 9.6 %
		Y	4.29	65.99	15.72		130.0	
		Z	4.15	66.91	16.47		130.0	
10588-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	X	4.47	66.47	15.99	0.46	130.0	± 9.6 %
		Y	4.34	66.06	15.76		130.0	
		Z	4.16	66.89	16.44		130.0	
10589-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	X	4.56	67.18	16.60	0.46	130.0	± 9.6 %
		Y	4.43	66.79	16.40		130.0	
		Z	4.35	68.05	17.33		130.0	
10590-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	X	4.36	66.18	15.75	0.46	130.0	± 9.6 %
		Y	4.23	65.77	15.51		130.0	
		Z	4.07	66.70	16.26		130.0	

10591-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	X	4.71	66.63	16.44	0.46	130.0	± 9.6 %
		Y	4.60	66.29	16.26		130.0	
		Z	4.48	67.29	17.03		130.0	
10592-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	X	4.84	66.95	16.57	0.46	130.0	± 9.6 %
		Y	4.72	66.60	16.39		130.0	
		Z	4.57	67.53	17.14		130.0	
10593-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	X	4.76	66.84	16.44	0.46	130.0	± 9.6 %
		Y	4.64	66.47	16.24		130.0	
		Z	4.49	67.44	17.01		130.0	
10594-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	X	4.82	67.01	16.59	0.46	130.0	± 9.6 %
		Y	4.69	66.64	16.41		130.0	
		Z	4.55	67.60	17.18		130.0	
10595-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	X	4.78	66.97	16.49	0.46	130.0	± 9.6 %
		Y	4.66	66.61	16.31		130.0	
		Z	4.51	67.61	17.10		130.0	
10596-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle)	X	4.72	66.96	16.50	0.46	130.0	± 9.6 %
		Y	4.59	66.58	16.30		130.0	
		Z	4.43	67.54	17.08		130.0	
10597-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle)	X	4.67	66.84	16.37	0.46	130.0	± 9.6 %
		Y	4.54	66.45	16.16		130.0	
		Z	4.40	67.40	16.91		130.0	
10598-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	X	4.65	67.06	16.62	0.46	130.0	± 9.6 %
		Y	4.52	66.66	16.41		130.0	
		Z	4.41	67.68	17.21		130.0	
10599-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	X	5.37	67.11	16.64	0.46	130.0	± 9.6 %
		Y	5.30	66.90	16.58		130.0	
		Z	5.43	68.49	17.76		130.0	
10600-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	X	5.48	67.47	16.80	0.46	130.0	± 9.6 %
		Y	5.44	67.38	16.80		130.0	
		Z	5.37	68.31	17.64		130.0	
10601-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	X	5.38	67.27	16.71	0.46	130.0	± 9.6 %
		Y	5.32	67.07	16.65		130.0	
		Z	5.29	68.14	17.57		130.0	
10602-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	X	5.51	67.42	16.71	0.46	130.0	± 9.6 %
		Y	5.45	67.23	16.66		130.0	
		Z	5.33	67.99	17.42		130.0	
10603-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)	X	5.56	67.64	16.95	0.46	130.0	± 9.6 %
		Y	5.53	67.58	16.97		130.0	
		Z	5.29	67.90	17.51		130.0	
10604-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)	X	5.44	67.30	16.76	0.46	130.0	± 9.6 %
		Y	5.41	67.23	16.78		130.0	
		Z	5.21	67.60	17.33		130.0	
10605-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)	X	5.49	67.43	16.83	0.46	130.0	± 9.6 %
		Y	5.43	67.25	16.78		130.0	
		Z	5.25	67.78	17.43		130.0	
10606-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)	X	5.23	66.74	16.34	0.46	130.0	± 9.6 %
		Y	5.17	66.56	16.29		130.0	
		Z	5.19	67.74	17.26		130.0	

10607-AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	X	4.55	65.96	16.07	0.46	130.0	± 9.6 %
		Y	4.43	65.59	15.87		130.0	
		Z	4.35	66.73	16.73		130.0	
10608-AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	X	4.71	66.34	16.23	0.46	130.0	± 9.6 %
		Y	4.58	65.94	16.03		130.0	
		Z	4.45	67.00	16.86		130.0	
10609-AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	X	4.61	66.18	16.06	0.46	130.0	± 9.6 %
		Y	4.48	65.77	15.84		130.0	
		Z	4.36	66.86	16.69		130.0	
10610-AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	X	4.66	66.33	16.22	0.46	130.0	± 9.6 %
		Y	4.53	65.93	16.01		130.0	
		Z	4.41	67.03	16.87		130.0	
10611-AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	X	4.57	66.14	16.07	0.46	130.0	± 9.6 %
		Y	4.44	65.73	15.86		130.0	
		Z	4.32	66.80	16.69		130.0	
10612-AAB	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	X	4.57	66.29	16.12	0.46	130.0	± 9.6 %
		Y	4.44	65.87	15.89		130.0	
		Z	4.29	66.90	16.73		130.0	
10613-AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	X	4.57	66.14	15.98	0.46	130.0	± 9.6 %
		Y	4.43	65.70	15.75		130.0	
		Z	4.29	66.69	16.55		130.0	
10614-AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	X	4.52	66.33	16.21	0.46	130.0	± 9.6 %
		Y	4.39	65.89	15.98		130.0	
		Z	4.28	66.96	16.83		130.0	
10615-AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	X	4.57	65.99	15.86	0.46	130.0	± 9.6 %
		Y	4.44	65.58	15.63		130.0	
		Z	4.31	66.67	16.47		130.0	
10616-AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	X	5.19	66.38	16.26	0.46	130.0	± 9.6 %
		Y	5.10	66.03	16.12		130.0	
		Z	4.99	66.75	16.86		130.0	
10617-AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	X	5.26	66.56	16.33	0.46	130.0	± 9.6 %
		Y	5.17	66.25	16.21		130.0	
		Z	5.03	66.90	16.92		130.0	
10618-AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	X	5.15	66.58	16.35	0.46	130.0	± 9.6 %
		Y	5.06	66.26	16.22		130.0	
		Z	4.94	66.92	16.95		130.0	
10619-AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	X	5.16	66.37	16.18	0.46	130.0	± 9.6 %
		Y	5.07	66.06	16.06		130.0	
		Z	5.03	67.03	16.93		130.0	
10620-AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	X	5.24	66.40	16.24	0.46	130.0	± 9.6 %
		Y	5.15	66.09	16.13		130.0	
		Z	5.01	66.69	16.81		130.0	
10621-AAB	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	X	5.25	66.54	16.43	0.46	130.0	± 9.6 %
		Y	5.15	66.19	16.30		130.0	
		Z	5.02	66.78	16.97		130.0	
10622-AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	X	5.26	66.70	16.51	0.46	130.0	± 9.6 %
		Y	5.15	66.29	16.34		130.0	
		Z	5.02	66.91	17.04		130.0	

10623-AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	X	5.14	66.22	16.14	0.46	130.0	± 9.6 %
		Y	5.03	65.82	15.97		130.0	
		Z	4.94	66.57	16.72		130.0	
10624-AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	X	5.33	66.43	16.30	0.46	130.0	± 9.6 %
		Y	5.24	66.10	16.18		130.0	
		Z	5.10	66.74	16.87		130.0	
10625-AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	X	5.58	67.07	16.68	0.46	130.0	± 9.6 %
		Y	5.39	66.45	16.42		130.0	
		Z	5.23	67.07	17.11		130.0	
10626-AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	X	5.51	66.45	16.23	0.46	130.0	± 9.6 %
		Y	5.43	66.10	16.10		130.0	
		Z	5.35	66.63	16.76		130.0	
10627-AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	X	5.73	66.99	16.46	0.46	130.0	± 9.6 %
		Y	5.69	66.81	16.43		130.0	
		Z	5.63	67.47	17.17		130.0	
10628-AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	X	5.52	66.48	16.14	0.46	130.0	± 9.6 %
		Y	5.43	66.11	16.01		130.0	
		Z	5.34	66.61	16.66		130.0	
10629-AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	X	5.60	66.56	16.18	0.46	130.0	± 9.6 %
		Y	5.54	66.30	16.10		130.0	
		Z	5.64	67.50	17.11		130.0	
10630-AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	X	5.92	67.73	16.77	0.46	130.0	± 9.6 %
		Y	5.89	67.56	16.73		130.0	
		Z	5.64	67.67	17.20		130.0	
10631-AAB	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	X	5.87	67.68	16.92	0.46	130.0	± 9.6 %
		Y	5.78	67.32	16.80		130.0	
		Z	5.62	67.70	17.39		130.0	
10632-AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	X	5.70	67.07	16.64	0.46	130.0	± 9.6 %
		Y	5.67	66.92	16.62		130.0	
		Z	5.80	68.22	17.68		130.0	
10633-AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	X	5.59	66.68	16.27	0.46	130.0	± 9.6 %
		Y	5.49	66.30	16.14		130.0	
		Z	5.36	66.70	16.74		130.0	
10634-AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	X	5.57	66.70	16.34	0.46	130.0	± 9.6 %
		Y	5.48	66.32	16.20		130.0	
		Z	5.40	66.93	16.91		130.0	
10635-AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	X	5.45	66.03	15.75	0.46	130.0	± 9.6 %
		Y	5.35	65.64	15.59		130.0	
		Z	5.23	66.11	16.22		130.0	
10636-AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	X	5.93	66.81	16.31	0.46	130.0	± 9.6 %
		Y	5.87	66.50	16.22		130.0	
		Z	5.83	66.96	16.84		130.0	
10637-AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	X	6.07	67.17	16.48	0.46	130.0	± 9.6 %
		Y	6.02	66.88	16.40		130.0	
		Z	5.97	67.37	17.04		130.0	
10638-AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	X	6.07	67.15	16.45	0.46	130.0	± 9.6 %
		Y	6.02	66.88	16.37		130.0	
		Z	6.05	67.63	17.15		130.0	

10639-AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	X	6.04	67.08	16.45	0.46	130.0	± 9.6 %
		Y	5.98	66.75	16.35		130.0	
		Z	5.91	67.17	16.95		130.0	
10640-AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	X	6.04	67.08	16.40	0.46	130.0	± 9.6 %
		Y	5.96	66.72	16.28		130.0	
		Z	5.82	66.93	16.78		130.0	
10641-AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	X	6.10	67.04	16.40	0.46	130.0	± 9.6 %
		Y	6.06	66.80	16.34		130.0	
		Z	6.00	67.28	16.98		130.0	
10642-AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	X	6.13	67.25	16.67	0.46	130.0	± 9.6 %
		Y	6.06	66.93	16.57		130.0	
		Z	5.95	67.22	17.11		130.0	
10643-AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	X	5.98	66.96	16.42	0.46	130.0	± 9.6 %
		Y	5.92	66.68	16.34		130.0	
		Z	5.80	66.93	16.86		130.0	
10644-AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	X	6.09	67.31	16.62	0.46	130.0	± 9.6 %
		Y	5.99	66.89	16.46		130.0	
		Z	5.86	67.11	16.97		130.0	
10645-AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	X	6.21	67.33	16.59	0.46	130.0	± 9.6 %
		Y	6.21	67.22	16.60		130.0	
		Z	6.00	67.25	17.00		130.0	
10646-AAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	X	16.42	111.83	39.08	9.30	60.0	± 9.6 %
		Y	7.48	93.91	33.51		60.0	
		Z	8.24	101.48	38.03		60.0	
10647-AAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	X	13.25	107.26	37.80	9.30	60.0	± 9.6 %
		Y	6.56	91.19	32.64		60.0	
		Z	6.86	97.18	36.65		60.0	
10648-AAA	CDMA2000 (1x Advanced)	X	0.61	62.72	9.85	0.00	150.0	± 9.6 %
		Y	0.45	60.26	7.20		150.0	
		Z	0.31	60.00	4.97		150.0	
10652-AAC	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	3.40	66.50	16.32	2.23	80.0	± 9.6 %
		Y	3.12	65.43	15.68		80.0	
		Z	3.58	69.50	17.50		80.0	
10653-AAC	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	X	3.93	65.85	16.50	2.23	80.0	± 9.6 %
		Y	3.70	65.00	16.06		80.0	
		Z	3.91	67.39	17.42		80.0	
10654-AAC	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	X	3.92	65.48	16.50	2.23	80.0	± 9.6 %
		Y	3.72	64.66	16.11		80.0	
		Z	3.91	66.66	17.39		80.0	
10655-AAD	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	3.99	65.45	16.54	2.23	80.0	± 9.6 %
		Y	3.79	64.62	16.15		80.0	
		Z	3.98	66.38	17.37		80.0	
10658-AAA	Pulse Waveform (200Hz, 10%)	X	100.00	108.15	24.34	10.00	50.0	± 9.6 %
		Y	42.87	96.86	20.96		50.0	
		Z	100.00	109.52	25.04		50.0	
10659-AAA	Pulse Waveform (200Hz, 20%)	X	100.00	107.90	23.20	6.99	60.0	± 9.6 %
		Y	100.00	104.59	21.35		60.0	
		Z	100.00	109.57	23.91		60.0	

10660-AAA	Pulse Waveform (200Hz, 40%)	X	100.00	110.08	22.90	3.98	80.0	± 9.6 %
		Y	100.00	101.87	18.86		80.0	
		Z	100.00	111.81	23.42		80.0	
10661-AAA	Pulse Waveform (200Hz, 60%)	X	100.00	114.06	23.41	2.22	100.0	± 9.6 %
		Y	100.00	92.16	13.92		100.0	
		Z	100.00	107.18	20.20		100.0	
10662-AAA	Pulse Waveform (200Hz, 80%)	X	100.00	119.59	23.99	0.97	120.0	± 9.6 %
		Y	13.69	60.41	1.41		120.0	
		Z	0.02	60.01	20.0		120.0	

[E] Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

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Client **PC Test** **Certificate No: EX3-7416_Jul18**

CALIBRATION CERTIFICATE

SC ✓ 8/2/2018

Object EX3DV4 - SN:7416

Calibration procedure(s) QA CAL-01.v9, QA CAL-14.v4, QA CAL-23.v5, QA CAL-25.v6
Calibration procedure for dosimetric E-field probes

Calibration date: July 20, 2018

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 (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	04-Apr-18 (No. 217-02672/02673)	Apr-19
Power sensor NRP-Z91	SN: 103244	04-Apr-18 (No. 217-02672)	Apr-19
Power sensor NRP-Z91	SN: 103245	04-Apr-18 (No. 217-02673)	Apr-19
Reference 20 dB Attenuator	SN: S5277 (20x)	04-Apr-18 (No. 217-02682)	Apr-19
Reference Probe ES3DV2	SN: 3013	30-Dec-17 (No. ES3-3013_Dec17)	Dec-18
DAE4	SN: 660	21-Dec-17 (No. DAE4-660_Dec17)	Dec-18
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-18)	In house check: Jun-20
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Oct-17)	In house check: Oct-18

	Name	Function	Signature
Calibrated by:	Michael Weber	Laboratory Technician	M.Weber
Approved by:	Katja Pokovic	Technical Manager	

Issued: July 21, 2018

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

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

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Glossary:

TSL	tissue simulating liquid
NORMx,y,z	sensitivity in free space
ConvF	sensitivity in TSL / NORMx,y,z
DCP	diode compression point
CF	crest factor (1/duty_cycle) of the RF signal
A, B, C, D	modulation dependent linearization parameters
Polarization φ	φ rotation around probe axis
Polarization ϑ	ϑ rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., ϑ = 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:

a) 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
b) 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
c) 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
d) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Methods Applied and Interpretation of Parameters:

- *NORMx,y,z:* Assessed for E-field polarization ϑ = 0 (f ≤ 900 MHz in TEM-cell; f > 1800 MHz: R22 waveguide). NORMx,y,z are only intermediate values, i.e., the uncertainties of NORMx,y,z does not affect the E^2-field uncertainty inside TSL (see below *ConvF*).
- *NORM(f)x,y,z = NORMx,y,z * 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*.
- *DCPx,y,z:* DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal (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
- *Ax,y,z; Bx,y,z; Cx,y,z; Dx,y,z; VRx,y,z: A, B, C, D* 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 ≤ 800 MHz) and inside waveguide using analytical field distributions based on power measurements for f > 800 MHz. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to *NORMx,y,z * 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 ± 50 MHz to ± 100 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 *NORMx* (no uncertainty required).

Probe EX3DV4

SN:7416

Manufactured: March 10, 2016
Calibrated: July 20, 2018

Calibrated for DASY/EASY Systems
(Note: non-compatible with DASY2 system!)

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7416

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm ($\mu V/(V/m)^2$)[A]	0.59	0.52	0.53	± 10.1 %
DCP (mV)[B]	97.2	93.5	96.5	

Modulation Calibration Parameters

UID	Communication System Name		A dB	B dB√μV	C	D dB	VR mV	Unc[E] (k=2)
0	CW	X	0.0	0.0	1.0	0.00	149.4	±3.3 %
		Y	0.0	0.0	1.0		140.2	
		Z	0.0	0.0	1.0		147.9	

Note: For details on UID parameters see Appendix.

Sensor Model Parameters

	C1 fF	C2 fF	α V^{-1}	T1 $ms.V^{-2}$	T2 $ms.V^{-1}$	T3 ms	T4 V^{-2}	T5 V^{-1}	T6
X	29.94	230.8	37.81	8.573	0.020	5.100	0.000	0.329	1.005
Y	35.08	270.5	37.53	5.275	0.109	5.067	0.000	0.317	1.010
Z	37.25	278.1	35.59	8.445	0.000	5.071	1.581	0.146	1.007

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%.

[A] The uncertainties of Norm X,Y,Z do not affect the E^2-field uncertainty inside TSL (see Pages 5 and 6).
[B] Numerical linearization parameter: uncertainty not required.
[E] 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: EX3DV4 - SN:7416

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) [C]	Relative Permittivity [F]	Conductivity (S/m) [F]	ConvF X	ConvF Y	ConvF Z	Alpha [G]	Depth [G] (mm)	Unc (k=2)
750	41.9	0.89	9.95	9.95	9.95	0.38	1.03	± 12.0 %
835	41.5	0.90	9.45	9.45	9.45	0.35	0.96	± 12.0 %
1750	40.1	1.37	8.37	8.37	8.37	0.40	0.84	± 12.0 %
1900	40.0	1.40	8.04	8.04	8.04	0.42	0.90	± 12.0 %
2300	39.5	1.67	7.70	7.70	7.70	0.41	0.84	± 12.0 %
2450	39.2	1.80	7.25	7.25	7.25	0.45	0.81	± 12.0 %
2600	39.0	1.96	7.04	7.04	7.04	0.43	0.84	± 12.0 %
5250	35.9	4.71	5.21	5.21	5.21	0.40	1.80	± 13.1 %
5600	35.5	5.07	4.75	4.75	4.75	0.40	1.80	± 13.1 %
5750	35.4	5.22	4.98	4.98	4.98	0.40	1.80	± 13.1 %

[C] Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the 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.

[F] At frequencies below 3 GHz, the validity of tissue parameters (ε and σ) 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 (ε and σ) is restricted to ± 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

[G] 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 frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7416

Calibration Parameter Determined in Body Tissue Simulating Media

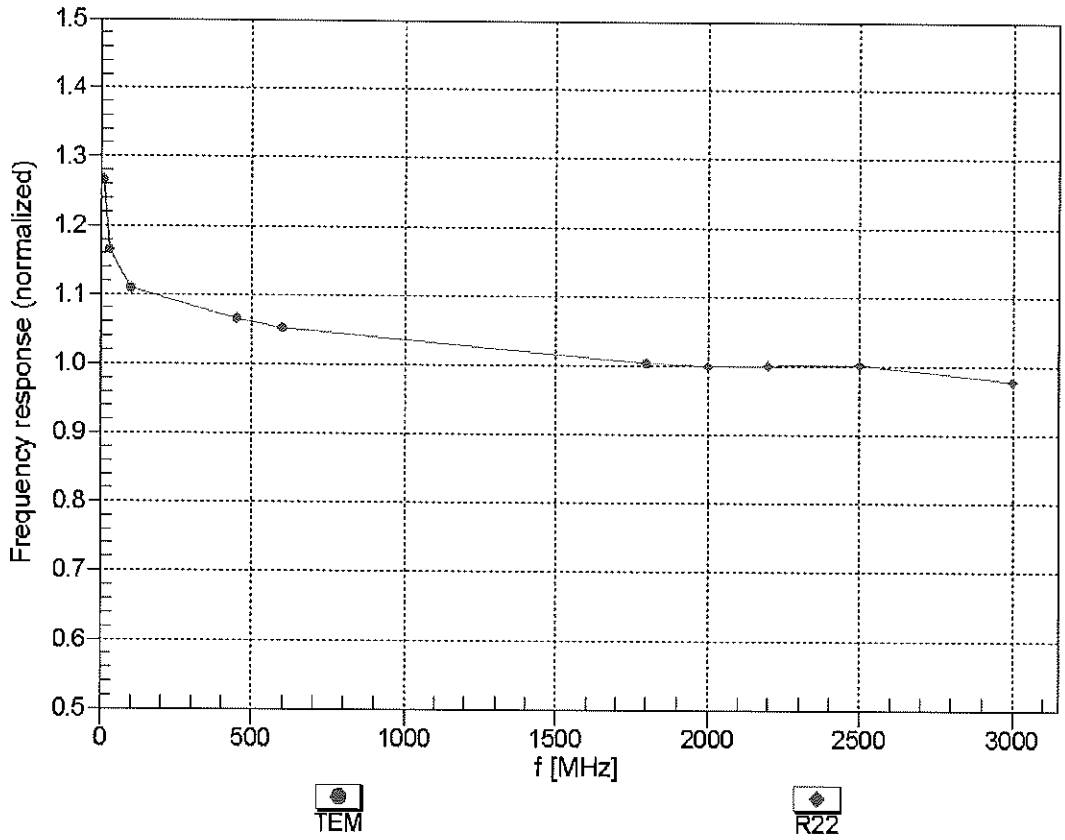
f (MHz) [C]	Relative Permittivity [F]	Conductivity (S/m) [F]	ConvF X	ConvF Y	ConvF Z	Alpha [G]	Depth [G] (mm)	Unc (k=2)
750	55.5	0.96	9.60	9.60	9.60	0.47	0.80	± 12.0 %
835	55.2	0.97	9.40	9.40	9.40	0.46	0.85	± 12.0 %
1750	53.4	1.49	7.99	7.99	7.99	0.41	0.85	± 12.0 %
1900	53.3	1.52	7.69	7.69	7.69	0.40	0.84	± 12.0 %
2300	52.9	1.81	7.49	7.49	7.49	0.39	0.84	± 12.0 %
2450	52.7	1.95	7.31	7.31	7.31	0.32	0.96	± 12.0 %
2600	52.5	2.16	7.23	7.23	7.23	0.32	0.97	± 12.0 %
5250	48.9	5.36	4.61	4.61	4.61	0.50	1.90	± 13.1 %
5600	48.5	5.77	4.02	4.02	4.02	0.50	1.90	± 13.1 %
5750	48.3	5.94	4.21	4.21	4.21	0.50	1.90	± 13.1 %

[C] Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the 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.

[F] At frequencies below 3 GHz, the validity of tissue parameters (ε and σ) 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 (ε and σ) is restricted to ± 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

[G] 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 frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.

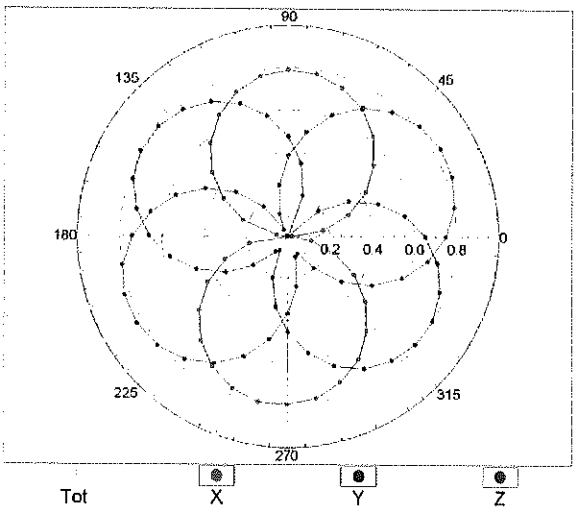
Frequency Response of E-Field
(TEM-Cell:ifi110 EXX, Waveguide: R22)



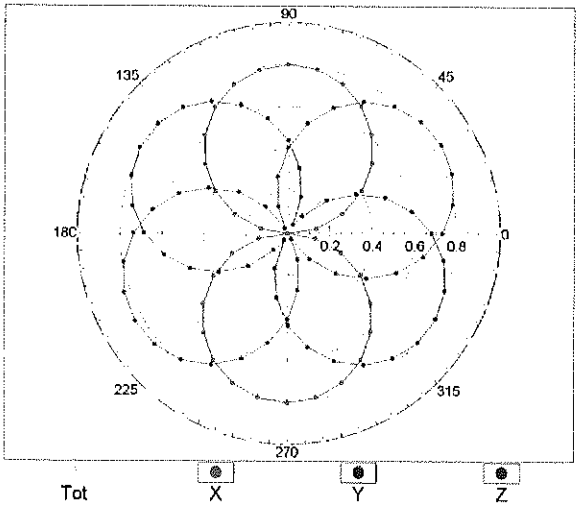
Uncertainty of Frequency Response of E-field: ± 6.3% (k=2)

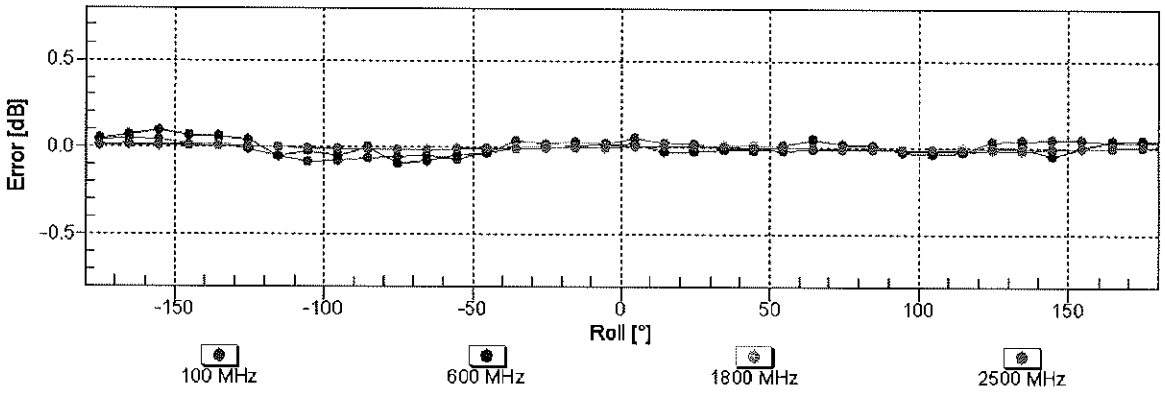
Receiving Pattern (ϕ), ϑ = 0°

f=600 MHz,TEM



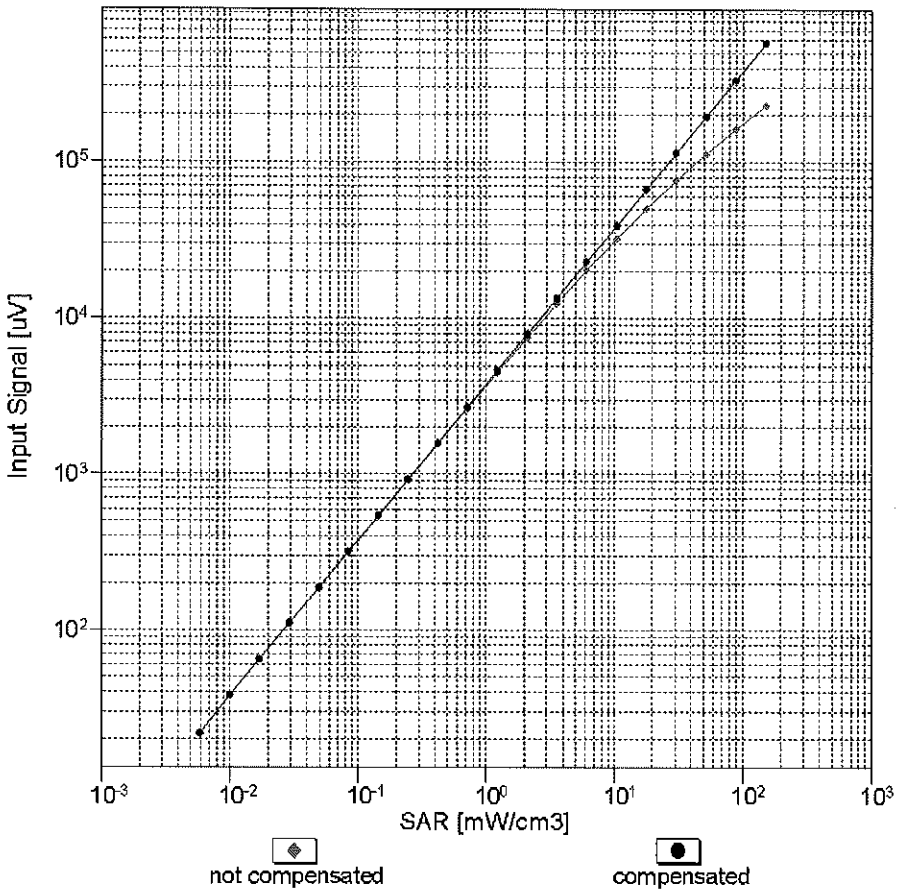
f=1800 MHz,R22

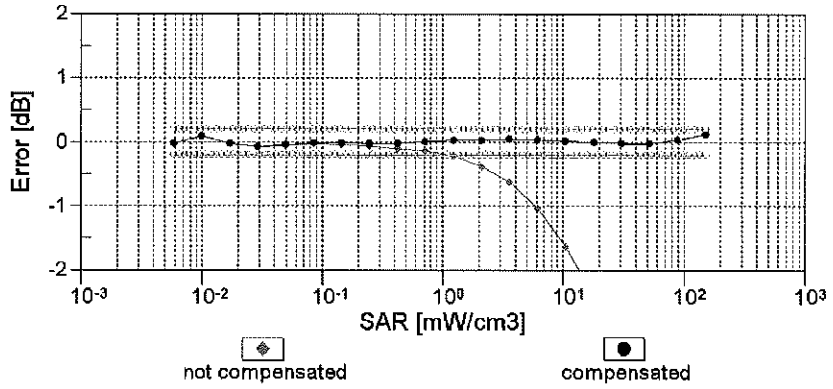




Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

Dynamic Range f(SAR_{head})
(TEM cell , f_{eval}= 1900 MHz)

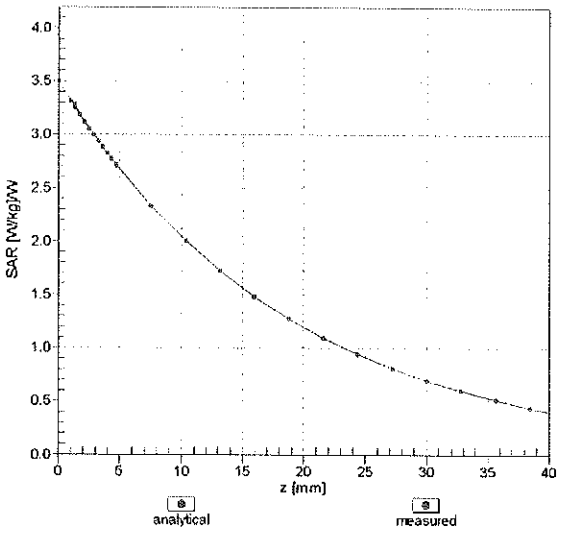




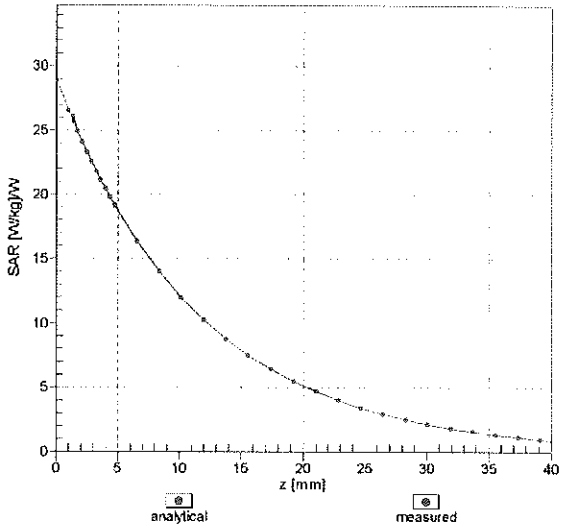
Uncertainty of Linearity Assessment: ± 0.6% (k=2)

Conversion Factor Assessment

f = 835 MHz,WGLS R9 (H_convF)

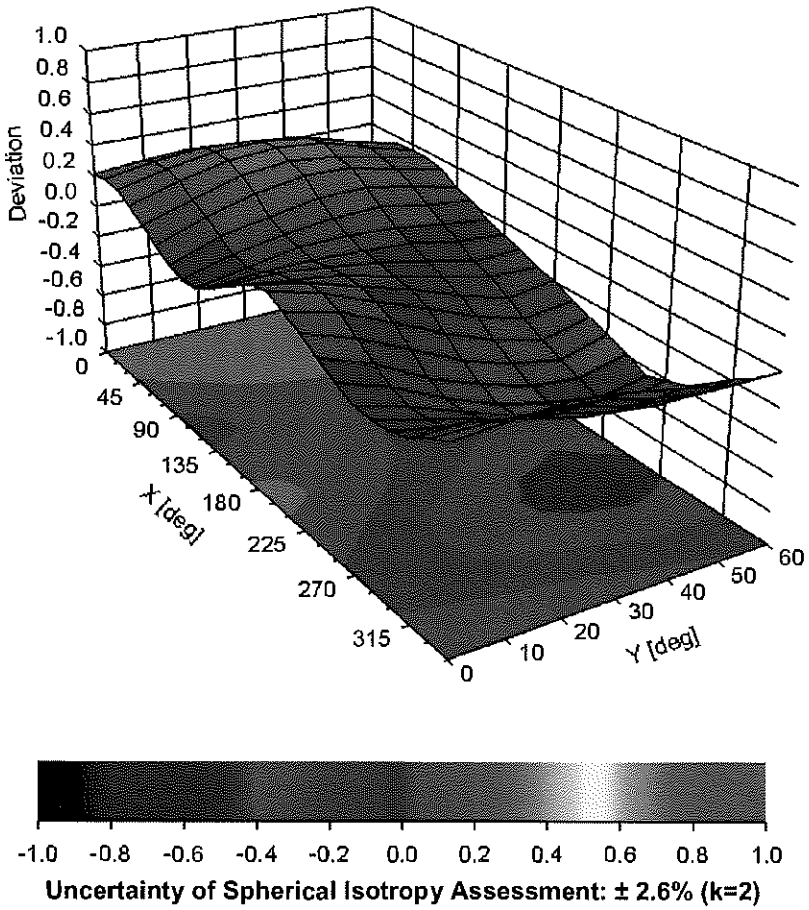


f = 1900 MHz,WGLS R22 (H_convF)



Deviation from Isotropy in Liquid

Error (ϕ, ϑ), f = 900 MHz



Uncertainty of Spherical Isotropy Assessment: ± 2.6% (k=2)

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7416

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	-25.3
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm

Appendix: Modulation Calibration Parameters

UID	Communication System Name		A dB	B dB√μV	C	D dB	VR mV	Max Unc^E (k=2)
0	CW	X	0.00	0.00	1.00	0.00	149.4	± 3.3 %
		Y	0.00	0.00	1.00		140.2	
		Z	0.00	0.00	1.00		147.9	
10010-CAA	SAR Validation (Square, 100ms, 10ms)	X	1.77	64.87	9.11	10.00	20.0	± 9.6 %
		Y	1.63	63.41	8.37		20.0	
		Z	1.76	64.55	8.94		20.0	
10011-CAB	UMTS-FDD (WCDMA)	X	1.21	72.37	17.53	0.00	150.0	± 9.6 %
		Y	0.82	64.46	12.98		150.0	
		Z	0.96	66.91	14.78		150.0	
10012-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	X	1.14	65.01	16.27	0.41	150.0	± 9.6 %
		Y	1.05	62.41	14.04		150.0	
		Z	1.12	63.56	15.01		150.0	
10013-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	X	4.63	67.24	17.52	1.46	150.0	± 9.6 %
		Y	4.63	66.45	16.87		150.0	
		Z	4.71	66.75	17.07		150.0	
10021-DAC	GSM-FDD (TDMA, GMSK)	X	100.00	114.11	26.55	9.39	50.0	± 9.6 %
		Y	100.00	109.62	24.58		50.0	
		Z	100.00	111.08	25.19		50.0	
10023-DAC	GPRS-FDD (TDMA, GMSK, TN 0)	X	100.00	112.70	25.96	9.57	50.0	± 9.6 %
		Y	100.00	108.79	24.27		50.0	
		Z	100.00	110.19	24.84		50.0	
10024-DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	X	100.00	120.02	28.01	6.56	60.0	± 9.6 %
		Y	100.00	111.41	24.12		60.0	
		Z	100.00	114.41	25.59		60.0	
10025-DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	X	8.40	100.18	43.08	12.57	50.0	± 9.6 %
		Y	3.56	67.47	25.23		50.0	
		Z	6.34	88.37	36.90		50.0	
10026-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	X	6.98	91.66	34.92	9.56	60.0	± 9.6 %
		Y	5.10	80.82	29.16		60.0	
		Z	6.93	89.58	33.16		60.0	
10027-DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	X	100.00	130.74	31.67	4.80	80.0	± 9.6 %
		Y	100.00	114.42	24.52		80.0	
		Z	100.00	119.79	27.11		80.0	
10028-DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	X	100.00	148.32	37.98	3.55	100.0	± 9.6 %
		Y	100.00	117.49	25.01		100.0	
		Z	100.00	127.11	29.41		100.0	
10029-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	X	4.35	78.88	28.05	7.80	80.0	± 9.6 %
		Y	3.59	72.82	24.31		80.0	
		Z	4.33	77.60	26.71		80.0	
10030-CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	X	100.00	119.14	27.08	5.30	70.0	± 9.6 %
		Y	100.00	109.23	22.63		70.0	
		Z	100.00	113.47	24.71		70.0	
10031-CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	X	100.00	161.91	40.82	1.88	100.0	± 9.6 %
		Y	100.00	96.93	15.49		100.0	
		Z	100.00	123.29	26.32		100.0	

10032-CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	X	100.00	280.92	82.03	1.17	100.0	± 9.6 %
		Y	0.12	60.00	4.04		100.0	
		Z	100.00	135.50	29.96		100.0	
10033-CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	X	100.00	128.03	33.18	5.30	70.0	± 9.6 %
		Y	7.89	90.52	23.51		70.0	
		Z	61.16	122.77	32.75		70.0	
10034-CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	X	100.00	117.76	27.00	1.88	100.0	± 9.6 %
		Y	1.49	69.12	13.56		100.0	
		Z	3.50	80.40	18.67		100.0	
10035-CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	X	6.88	86.78	18.70	1.17	100.0	± 9.6 %
		Y	1.08	66.04	11.73		100.0	
		Z	1.93	73.40	15.69		100.0	
10036-CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	X	100.00	128.79	33.51	5.30	70.0	± 9.6 %
		Y	12.46	97.66	25.74		70.0	
		Z	100.00	130.93	34.74		70.0	
10037-CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	X	62.76	112.55	25.87	1.88	100.0	± 9.6 %
		Y	1.37	68.27	13.18		100.0	
		Z	2.98	78.43	17.97		100.0	
10038-CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	X	8.30	89.45	19.68	1.17	100.0	± 9.6 %
		Y	1.08	66.20	11.94		100.0	
		Z	1.95	73.76	15.98		100.0	
10039-CAB	CDMA2000 (1xRTT, RC1)	X	0.88	65.39	10.07	0.00	150.0	± 9.6 %
		Y	0.87	63.82	9.91		150.0	
		Z	1.31	68.61	13.02		150.0	
10042-CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	X	100.00	110.34	24.10	7.78	50.0	± 9.6 %
		Y	100.00	105.89	22.09		50.0	
		Z	100.00	108.02	23.10		50.0	
10044-CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	X	0.01	123.11	1.52	0.00	150.0	± 9.6 %
		Y	0.01	119.53	3.43		150.0	
		Z	0.00	101.85	5.28		150.0	
10048-CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	X	100.00	106.52	24.67	13.80	25.0	± 9.6 %
		Y	32.57	91.78	20.89		25.0	
		Z	100.00	105.11	24.06		25.0	
10049-CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	X	1149.99	136.06	30.09	10.79	40.0	± 9.6 %
		Y	85.21	104.98	23.36		40.0	
		Z	420.34	123.09	27.26		40.0	
10056-CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	X	100.00	123.43	32.32	9.03	50.0	± 9.6 %
		Y	100.00	121.65	31.62		50.0	
		Z	100.00	123.95	32.75		50.0	
10058-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	X	3.53	74.19	24.94	6.55	100.0	± 9.6 %
		Y	3.03	69.69	21.96		100.0	
		Z	3.51	73.08	23.72		100.0	
10059-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	X	1.18	66.36	17.11	0.61	110.0	± 9.6 %
		Y	1.05	63.01	14.46		110.0	
		Z	1.13	64.45	15.58		110.0	
10060-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	X	100.00	153.23	41.70	1.30	110.0	± 9.6 %
		Y	1.65	79.63	20.25		110.0	
		Z	14.24	114.10	31.29		110.0	

10061-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	X	4.44	94.01	28.61	2.04	110.0	± 9.6 %
		Y	1.48	71.54	18.86		110.0	
		Z	2.17	78.36	22.10		110.0	
10062-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	X	4.41	67.11	16.83	0.49	100.0	± 9.6 %
		Y	4.42	66.37	16.23		100.0	
		Z	4.51	66.70	16.45		100.0	
10063-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	X	4.44	67.26	16.97	0.72	100.0	± 9.6 %
		Y	4.44	66.46	16.33		100.0	
		Z	4.52	66.80	16.56		100.0	
10064-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	X	4.66	67.43	17.15	0.86	100.0	± 9.6 %
		Y	4.68	66.69	16.56		100.0	
		Z	4.77	67.02	16.77		100.0	
10065-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	X	4.54	67.28	17.27	1.21	100.0	± 9.6 %
		Y	4.55	66.53	16.64		100.0	
		Z	4.64	66.88	16.86		100.0	
10066-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	X	4.54	67.27	17.43	1.46	100.0	± 9.6 %
		Y	4.56	66.53	16.81		100.0	
		Z	4.65	66.89	17.03		100.0	
10067-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	X	4.83	67.58	17.95	2.04	100.0	± 9.6 %
		Y	4.85	66.84	17.32		100.0	
		Z	4.94	67.15	17.53		100.0	
10068-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	X	4.87	67.55	18.17	2.55	100.0	± 9.6 %
		Y	4.87	66.73	17.49		100.0	
		Z	4.96	67.06	17.70		100.0	
10069-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	X	4.92	67.54	18.34	2.67	100.0	± 9.6 %
		Y	4.94	66.78	17.69		100.0	
		Z	5.03	67.10	17.91		100.0	
10071-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	X	4.73	67.33	17.85	1.99	100.0	± 9.6 %
		Y	4.72	66.52	17.18		100.0	
		Z	4.80	66.81	17.37		100.0	
10072-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	X	4.68	67.58	18.08	2.30	100.0	± 9.6 %
		Y	4.66	66.72	17.36		100.0	
		Z	4.75	67.06	17.58		100.0	
10073-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	X	4.75	67.85	18.49	2.83	100.0	± 9.6 %
		Y	4.71	66.88	17.70		100.0	
		Z	4.80	67.22	17.92		100.0	
10074-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	X	4.77	67.84	18.69	3.30	100.0	± 9.6 %
		Y	4.71	66.81	17.86		100.0	
		Z	4.79	67.13	18.08		100.0	
10075-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	X	4.79	67.83	18.96	3.82	90.0	± 9.6 %
		Y	4.72	66.78	18.11		90.0	
		Z	4.80	67.13	18.34		90.0	
10076-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	X	4.82	67.68	19.13	4.15	90.0	± 9.6 %
		Y	4.76	66.65	18.28		90.0	
		Z	4.83	66.97	18.50		90.0	
10077-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	X	4.86	67.80	19.27	4.30	90.0	± 9.6 %
		Y	4.78	66.73	18.39		90.0	
		Z	4.86	67.05	18.61		90.0	

10081-CAB	CDMA2000 (1xRTT, RC3)	X	0.44	61.65	7.56	0.00	150.0	± 9.6 %
		Y	0.49	61.12	7.86		150.0	
		Z	0.64	63.85	10.26		150.0	
10082-CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	X	0.89	61.48	3.95	4.77	80.0	± 9.6 %
		Y	0.59	60.00	2.93		80.0	
		Z	0.55	60.00	3.58		80.0	
10090-DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	X	100.00	120.10	28.07	6.56	60.0	± 9.6 %
		Y	100.00	111.49	24.17		60.0	
		Z	100.00	114.44	25.62		60.0	
10097-CAB	UMTS-FDD (HSDPA)	X	2.01	71.24	16.81	0.00	150.0	± 9.6 %
		Y	1.59	66.13	14.13		150.0	
		Z	1.77	67.84	15.37		150.0	
10098-CAB	UMTS-FDD (HSUPA, Subtest 2)	X	1.98	71.24	16.82	0.00	150.0	± 9.6 %
		Y	1.56	66.06	14.09		150.0	
		Z	1.73	67.79	15.34		150.0	
10099-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	X	7.05	91.92	35.02	9.56	60.0	± 9.6 %
		Y	5.13	80.96	29.22		60.0	
		Z	7.00	89.81	33.25		60.0	
10100-CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	3.04	71.26	17.51	0.00	150.0	± 9.6 %
		Y	2.71	68.34	15.65		150.0	
		Z	2.94	69.85	16.50		150.0	
10101-CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	3.07	67.87	16.34	0.00	150.0	± 9.6 %
		Y	2.97	66.45	15.26		150.0	
		Z	3.10	67.26	15.77		150.0	
10102-CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	3.17	67.84	16.41	0.00	150.0	± 9.6 %
		Y	3.08	66.51	15.39		150.0	
		Z	3.20	67.26	15.86		150.0	
10103-CAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	5.93	77.85	22.25	3.98	65.0	± 9.6 %
		Y	4.91	73.42	19.90		65.0	
		Z	5.48	75.26	20.69		65.0	
10104-CAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	5.36	73.42	20.98	3.98	65.0	± 9.6 %
		Y	4.85	70.69	19.33		65.0	
		Z	5.38	72.53	20.20		65.0	
10105-CAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	5.20	72.50	20.84	3.98	65.0	± 9.6 %
		Y	4.80	70.17	19.39		65.0	
		Z	5.06	71.08	19.82		65.0	
10108-CAF	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	2.62	70.93	17.46	0.00	150.0	± 9.6 %
		Y	2.33	67.66	15.42		150.0	
		Z	2.54	69.16	16.32		150.0	
10109-CAF	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	2.72	68.12	16.25	0.00	150.0	± 9.6 %
		Y	2.60	66.27	15.00		150.0	
		Z	2.74	67.17	15.61		150.0	
10110-CAF	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	2.13	70.69	17.04	0.00	150.0	± 9.6 %
		Y	1.84	66.69	14.71		150.0	
		Z	2.04	68.34	15.81		150.0	
10111-CAF	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	2.53	70.01	16.54	0.00	150.0	± 9.6 %
		Y	2.27	66.91	14.87		150.0	
		Z	2.46	68.17	15.78		150.0	

10112-CAF	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	2.85	68.17	16.30	0.00	150.0	± 9.6 %
		Y	2.73	66.39	15.11		150.0	
		Z	2.87	67.23	15.69		150.0	
10113-CAF	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	2.66	70.08	16.61	0.00	150.0	± 9.6 %
		Y	2.41	67.16	15.06		150.0	
		Z	2.61	68.36	15.92		150.0	
10114-CAC	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	X	4.89	67.34	16.74	0.00	150.0	± 9.6 %
		Y	4.90	66.78	16.20		150.0	
		Z	4.96	67.07	16.36		150.0	
10115-CAC	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	X	5.12	67.41	16.76	0.00	150.0	± 9.6 %
		Y	5.15	66.88	16.26		150.0	
		Z	5.21	67.15	16.40		150.0	
10116-CAC	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	X	4.96	67.51	16.75	0.00	150.0	± 9.6 %
		Y	4.98	66.95	16.22		150.0	
		Z	5.04	67.27	16.38		150.0	
10117-CAC	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	X	4.85	67.18	16.68	0.00	150.0	± 9.6 %
		Y	4.89	66.71	16.19		150.0	
		Z	4.95	67.03	16.35		150.0	
10118-CAC	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	X	5.21	67.66	16.89	0.00	150.0	± 9.6 %
		Y	5.23	67.11	16.39		150.0	
		Z	5.28	67.32	16.50		150.0	
10119-CAC	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	X	4.97	67.54	16.77	0.00	150.0	± 9.6 %
		Y	4.98	66.97	16.24		150.0	
		Z	5.04	67.25	16.39		150.0	
10140-CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	3.18	67.90	16.33	0.00	150.0	± 9.6 %
		Y	3.10	66.53	15.31		150.0	
		Z	3.22	67.28	15.78		150.0	
10141-CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	3.31	68.06	16.51	0.00	150.0	± 9.6 %
		Y	3.23	66.72	15.52		150.0	
		Z	3.35	67.43	15.97		150.0	
10142-CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	1.90	70.81	16.08	0.00	150.0	± 9.6 %
		Y	1.56	66.13	13.71		150.0	
		Z	1.79	68.21	15.15		150.0	
10143-CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	2.27	69.87	15.01	0.00	150.0	± 9.6 %
		Y	1.97	66.56	13.59		150.0	
		Z	2.26	68.57	15.01		150.0	
10144-CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	1.77	65.70	12.39	0.00	150.0	± 9.6 %
		Y	1.77	64.41	11.96		150.0	
		Z	1.97	65.88	13.14		150.0	
10145-CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	0.57	60.00	6.01	0.00	150.0	± 9.6 %
		Y	0.69	60.18	6.93		150.0	
		Z	0.84	61.95	8.70		150.0	
10146-CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	0.77	60.00	5.45	0.00	150.0	± 9.6 %
		Y	0.96	60.51	6.88		150.0	
		Z	1.21	61.91	7.88		150.0	
10147-CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	0.78	60.00	5.51	0.00	150.0	± 9.6 %
		Y	1.01	60.88	7.17		150.0	
		Z	1.29	62.52	8.30		150.0	

10149-CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	2.73	68.20	16.30	0.00	150.0	± 9.6 %
		Y	2.61	66.33	15.05		150.0	
		Z	2.75	67.23	15.66		150.0	
10150-CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	2.86	68.24	16.35	0.00	150.0	± 9.6 %
		Y	2.74	66.44	15.16		150.0	
		Z	2.87	67.28	15.73		150.0	
10151-CAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	6.63	82.27	24.05	3.98	65.0	± 9.6 %
		Y	4.86	75.26	20.73		65.0	
		Z	5.85	78.40	22.06		65.0	
10152-CAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	4.98	73.89	20.68	3.98	65.0	± 9.6 %
		Y	4.38	70.57	18.85		65.0	
		Z	4.92	72.60	19.86		65.0	
10153-CAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	5.37	75.09	21.57	3.98	65.0	± 9.6 %
		Y	4.71	71.64	19.72		65.0	
		Z	5.27	73.62	20.68		65.0	
10154-CAF	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	2.18	71.12	17.28	0.00	150.0	± 9.6 %
		Y	1.86	66.97	14.90		150.0	
		Z	2.07	68.69	16.03		150.0	
10155-CAF	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	2.54	70.08	16.58	0.00	150.0	± 9.6 %
		Y	2.28	66.95	14.90		150.0	
		Z	2.46	68.21	15.81		150.0	
10156-CAF	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	1.67	70.04	15.04	0.00	150.0	± 9.6 %
		Y	1.35	65.50	12.88		150.0	
		Z	1.61	67.93	14.60		150.0	
10157-CAF	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	1.52	65.24	11.56	0.00	150.0	± 9.6 %
		Y	1.54	64.16	11.37		150.0	
		Z	1.78	66.05	12.85		150.0	
10158-CAF	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	2.68	70.20	16.68	0.00	150.0	± 9.6 %
		Y	2.42	67.23	15.11		150.0	
		Z	2.61	68.43	15.98		150.0	
10159-CAF	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	1.57	65.38	11.65	0.00	150.0	± 9.6 %
		Y	1.59	64.37	11.51		150.0	
		Z	1.86	66.39	13.06		150.0	
10160-CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	2.66	70.27	17.17	0.00	150.0	± 9.6 %
		Y	2.43	67.39	15.40		150.0	
		Z	2.59	68.51	16.14		150.0	
10161-CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	2.74	68.27	16.19	0.00	150.0	± 9.6 %
		Y	2.62	66.35	14.98		150.0	
		Z	2.76	67.24	15.61		150.0	
10162-CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	2.85	68.52	16.34	0.00	150.0	± 9.6 %
		Y	2.73	66.59	15.14		150.0	
		Z	2.87	67.46	15.76		150.0	
10166-CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	2.92	68.58	19.12	3.01	150.0	± 9.6 %
		Y	3.05	68.19	18.71		150.0	
		Z	3.38	69.92	19.37		150.0	
10167-CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	3.31	71.11	19.43	3.01	150.0	± 9.6 %
		Y	3.43	70.35	18.91		150.0	
		Z	4.27	73.87	20.20		150.0	

10168-CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	3.69	73.59	20.95	3.01	150.0	± 9.6 %
		Y	3.83	72.88	20.47		150.0	
		Z	4.91	76.88	21.85		150.0	
10169-CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	2.36	66.51	18.14	3.01	150.0	± 9.6 %
		Y	2.40	66.07	17.76		150.0	
		Z	2.80	69.10	19.04		150.0	
10170-CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	2.79	70.74	19.99	3.01	150.0	± 9.6 %
		Y	2.81	70.18	19.64		150.0	
		Z	4.13	77.05	22.20		150.0	
10171-AAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	2.40	67.71	17.55	3.01	150.0	± 9.6 %
		Y	2.40	66.93	17.03		150.0	
		Z	3.24	71.98	19.00		150.0	
10172-CAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	4.00	83.17	27.59	6.02	65.0	± 9.6 %
		Y	3.32	77.43	24.67		65.0	
		Z	4.82	85.38	27.66		65.0	
10173-CAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	7.95	95.13	29.81	6.02	65.0	± 9.6 %
		Y	5.14	85.14	25.95		65.0	
		Z	22.01	111.28	33.56		65.0	
10174-CAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	6.44	90.03	27.42	6.02	65.0	± 9.6 %
		Y	4.72	82.84	24.49		65.0	
		Z	11.40	97.81	28.98		65.0	
10175-CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	2.34	66.31	17.94	3.01	150.0	± 9.6 %
		Y	2.38	65.84	17.53		150.0	
		Z	2.77	68.80	18.79		150.0	
10176-CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	2.79	70.75	20.00	3.01	150.0	± 9.6 %
		Y	2.81	70.20	19.65		150.0	
		Z	4.14	77.08	22.21		150.0	
10177-CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	2.35	66.39	17.99	3.01	150.0	± 9.6 %
		Y	2.39	65.94	17.60		150.0	
		Z	2.79	68.93	18.87		150.0	
10178-CAF	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	X	2.78	70.67	19.95	3.01	150.0	± 9.6 %
		Y	2.80	70.08	19.57		150.0	
		Z	4.10	76.88	22.11		150.0	
10179-CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	2.58	69.20	18.68	3.01	150.0	± 9.6 %
		Y	2.58	68.48	18.22		150.0	
		Z	3.64	74.38	20.46		150.0	
10180-CAF	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	X	2.40	67.70	17.53	3.01	150.0	± 9.6 %
		Y	2.40	66.90	17.01		150.0	
		Z	3.24	71.93	18.96		150.0	
10181-CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	2.35	66.38	17.99	3.01	150.0	± 9.6 %
		Y	2.39	65.93	17.60		150.0	
		Z	2.78	68.92	18.87		150.0	
10182-CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	2.78	70.65	19.94	3.01	150.0	± 9.6 %
		Y	2.80	70.06	19.56		150.0	
		Z	4.09	76.85	22.10		150.0	
10183-AAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	2.40	67.68	17.52	3.01	150.0	± 9.6 %
		Y	2.40	66.89	16.99		150.0	
		Z	3.23	71.90	18.95		150.0	

10184-CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	2.36	66.41	18.00	3.01	150.0	± 9.6 %
		Y	2.40	65.96	17.62		150.0	
		Z	2.79	68.96	18.89		150.0	
10185-CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	X	2.79	70.71	19.97	3.01	150.0	± 9.6 %
		Y	2.81	70.12	19.59		150.0	
		Z	4.12	76.94	22.14		150.0	
10186-AAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	X	2.41	67.73	17.55	3.01	150.0	± 9.6 %
		Y	2.41	66.94	17.03		150.0	
		Z	3.25	71.97	18.99		150.0	
10187-CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	2.37	66.48	18.09	3.01	150.0	± 9.6 %
		Y	2.40	66.03	17.69		150.0	
		Z	2.80	69.04	18.97		150.0	
10188-CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	2.84	71.12	20.25	3.01	150.0	± 9.6 %
		Y	2.87	70.60	19.92		150.0	
		Z	4.27	77.69	22.54		150.0	
10189-AAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	2.45	68.02	17.78	3.01	150.0	± 9.6 %
		Y	2.44	67.25	17.27		150.0	
		Z	3.33	72.45	19.29		150.0	
10193-CAC	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	X	4.28	67.12	16.40	0.00	150.0	± 9.6 %
		Y	4.28	66.34	15.82		150.0	
		Z	4.37	66.69	16.05		150.0	
10194-CAC	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	X	4.40	67.30	16.54	0.00	150.0	± 9.6 %
		Y	4.42	66.58	15.96		150.0	
		Z	4.51	66.94	16.19		150.0	
10195-CAC	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	X	4.43	67.29	16.54	0.00	150.0	± 9.6 %
		Y	4.46	66.60	15.98		150.0	
		Z	4.55	66.96	16.21		150.0	
10196-CAC	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	X	4.25	67.08	16.37	0.00	150.0	± 9.6 %
		Y	4.27	66.33	15.80		150.0	
		Z	4.36	66.69	16.05		150.0	
10197-CAC	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	X	4.41	67.30	16.54	0.00	150.0	± 9.6 %
		Y	4.43	66.58	15.97		150.0	
		Z	4.52	66.95	16.20		150.0	
10198-CAC	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	X	4.42	67.28	16.54	0.00	150.0	± 9.6 %
		Y	4.45	66.60	15.98		150.0	
		Z	4.54	66.96	16.21		150.0	
10219-CAC	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	X	4.21	67.15	16.36	0.00	150.0	± 9.6 %
		Y	4.22	66.36	15.77		150.0	
		Z	4.31	66.72	16.02		150.0	
10220-CAC	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	X	4.40	67.25	16.53	0.00	150.0	± 9.6 %
		Y	4.42	66.55	15.96		150.0	
		Z	4.51	66.91	16.18		150.0	
10221-CAC	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	X	4.44	67.23	16.53	0.00	150.0	± 9.6 %
		Y	4.47	66.55	15.98		150.0	
		Z	4.56	66.90	16.20		150.0	
10222-CAC	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	X	4.84	67.21	16.68	0.00	150.0	± 9.6 %
		Y	4.86	66.70	16.17		150.0	
		Z	4.92	67.00	16.33		150.0	

10223-CAC	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	X	5.05	67.28	16.71	0.00	150.0	± 9.6 %
		Y	5.13	66.92	16.30		150.0	
		Z	5.19	67.21	16.45		150.0	
10224-CAC	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	X	4.88	67.36	16.68	0.00	150.0	± 9.6 %
		Y	4.89	66.80	16.15		150.0	
		Z	4.96	67.11	16.31		150.0	
10225-CAB	UMTS-FDD (HSPA+)	X	2.56	66.77	14.96	0.00	150.0	± 9.6 %
		Y	2.51	65.29	14.20		150.0	
		Z	2.64	66.08	14.88		150.0	
10226-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	8.58	96.74	30.43	6.02	65.0	± 9.6 %
		Y	5.44	86.30	26.47		65.0	
		Z	25.25	114.07	34.44		65.0	
10227-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	8.97	96.28	29.51	6.02	65.0	± 9.6 %
		Y	5.82	86.62	25.89		65.0	
		Z	26.62	112.59	33.14		65.0	
10228-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	4.46	85.84	28.72	6.02	65.0	± 9.6 %
		Y	3.52	78.94	25.38		65.0	
		Z	6.28	91.07	29.77		65.0	
10229-CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	X	8.00	95.21	29.84	6.02	65.0	± 9.6 %
		Y	5.18	85.25	25.99		65.0	
		Z	22.25	111.44	33.61		65.0	
10230-CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	X	8.20	94.53	28.89	6.02	65.0	± 9.6 %
		Y	5.45	85.38	25.38		65.0	
		Z	22.92	109.78	32.30		65.0	
10231-CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	4.29	84.95	28.30	6.02	65.0	± 9.6 %
		Y	3.42	78.29	25.03		65.0	
		Z	6.00	90.04	29.32		65.0	
10232-CAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	X	7.99	95.19	29.84	6.02	65.0	± 9.6 %
		Y	5.17	85.23	25.98		65.0	
		Z	22.20	111.42	33.61		65.0	
10233-CAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	X	8.17	94.46	28.87	6.02	65.0	± 9.6 %
		Y	5.43	85.32	25.36		65.0	
		Z	22.79	109.69	32.28		65.0	
10234-CAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	4.20	84.39	27.96	6.02	65.0	± 9.6 %
		Y	3.35	77.81	24.72		65.0	
		Z	5.81	89.24	28.92		65.0	
10235-CAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	8.00	95.25	29.86	6.02	65.0	± 9.6 %
		Y	5.17	85.25	25.99		65.0	
		Z	22.28	111.52	33.64		65.0	
10236-CAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	8.32	94.76	28.95	6.02	65.0	± 9.6 %
		Y	5.50	85.52	25.42		65.0	
		Z	23.43	110.13	32.39		65.0	
10237-CAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	4.29	84.99	28.32	6.02	65.0	± 9.6 %
		Y	3.42	78.29	25.04		65.0	
		Z	6.00	90.09	29.35		65.0	
10238-CAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	7.97	95.17	29.84	6.02	65.0	± 9.6 %
		Y	5.16	85.19	25.97		65.0	
		Z	22.13	111.39	33.60		65.0	

10239-CAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	8.13	94.40	28.85	6.02	65.0	± 9.6 %
		Y	5.41	85.27	25.34		65.0	
		Z	22.65	109.61	32.26		65.0	
10240-CAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	4.29	84.98	28.32	6.02	65.0	± 9.6 %
		Y	3.41	78.27	25.03		65.0	
		Z	5.99	90.06	29.34		65.0	
10241-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	6.78	83.01	27.19	6.98	65.0	± 9.6 %
		Y	5.79	77.77	24.62		65.0	
		Z	7.46	82.96	26.61		65.0	
10242-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	6.48	82.12	26.76	6.98	65.0	± 9.6 %
		Y	5.59	77.10	24.26		65.0	
		Z	6.60	80.40	25.51		65.0	
10243-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	5.17	77.50	25.78	6.98	65.0	± 9.6 %
		Y	4.73	73.67	23.57		65.0	
		Z	5.15	75.48	24.33		65.0	
10244-CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	3.16	68.74	13.63	3.98	65.0	± 9.6 %
		Y	3.46	70.01	15.08		65.0	
		Z	4.53	73.34	16.60		65.0	
10245-CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	3.03	67.91	13.16	3.98	65.0	± 9.6 %
		Y	3.34	69.23	14.64		65.0	
		Z	4.31	72.35	16.12		65.0	
10246-CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	4.58	77.82	18.26	3.98	65.0	± 9.6 %
		Y	2.94	71.18	15.91		65.0	
		Z	4.43	77.10	18.78		65.0	
10247-CAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	3.93	72.44	16.86	3.98	65.0	± 9.6 %
		Y	3.31	69.30	15.75		65.0	
		Z	4.04	72.29	17.45		65.0	
10248-CAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	3.71	71.10	16.24	3.98	65.0	± 9.6 %
		Y	3.28	68.68	15.43		65.0	
		Z	3.97	71.47	17.06		65.0	
10249-CAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	8.97	89.85	24.39	3.98	65.0	± 9.6 %
		Y	4.14	76.51	19.58		65.0	
		Z	6.04	82.54	22.20		65.0	
10250-CAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	5.29	77.58	21.84	3.98	65.0	± 9.6 %
		Y	4.28	72.75	19.64		65.0	
		Z	4.96	75.21	20.85		65.0	
10251-CAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	4.75	74.27	19.93	3.98	65.0	± 9.6 %
		Y	4.08	70.67	18.23		65.0	
		Z	4.69	72.94	19.43		65.0	
10252-CAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	8.00	88.54	26.02	3.98	65.0	± 9.6 %
		Y	4.67	77.36	21.42		65.0	
		Z	6.06	81.76	23.28		65.0	
10253-CAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	4.92	73.55	20.33	3.98	65.0	± 9.6 %
		Y	4.33	70.27	18.60		65.0	
		Z	4.85	72.20	19.59		65.0	
10254-CAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	5.24	74.52	21.06	3.98	65.0	± 9.6 %
		Y	4.62	71.19	19.34		65.0	
		Z	5.16	73.09	20.30		65.0	

10255-CAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	6.21	81.24	23.74	3.98	65.0	± 9.6 %
		Y	4.64	74.55	20.56		65.0	
		Z	5.52	77.51	21.87		65.0	
10256-CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	2.00	63.20	9.38	3.98	65.0	± 9.6 %
		Y	2.33	64.83	11.17		65.0	
		Z	2.92	67.15	12.48		65.0	
10257-CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	1.96	62.72	8.99	3.98	65.0	± 9.6 %
		Y	2.28	64.22	10.72		65.0	
		Z	2.80	66.30	11.94		65.0	
10258-CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	2.08	66.35	11.80	3.98	65.0	± 9.6 %
		Y	1.98	65.50	11.93		65.0	
		Z	2.75	69.63	14.40		65.0	
10259-CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	4.58	74.93	18.91	3.98	65.0	± 9.6 %
		Y	3.71	70.81	17.27		65.0	
		Z	4.44	73.61	18.79		65.0	
10260-CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	4.52	74.29	18.60	3.98	65.0	± 9.6 %
		Y	3.74	70.54	17.12		65.0	
		Z	4.45	73.22	18.60		65.0	
10261-CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	7.88	87.94	24.55	3.98	65.0	± 9.6 %
		Y	4.19	76.19	20.04		65.0	
		Z	5.68	81.15	22.23		65.0	
10262-CAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	5.27	77.47	21.77	3.98	65.0	± 9.6 %
		Y	4.26	72.68	19.58		65.0	
		Z	4.94	75.14	20.80		65.0	
10263-CAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	4.75	74.24	19.92	3.98	65.0	± 9.6 %
		Y	4.08	70.65	18.22		65.0	
		Z	4.68	72.91	19.42		65.0	
10264-CAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	7.86	88.17	25.86	3.98	65.0	± 9.6 %
		Y	4.62	77.15	21.31		65.0	
		Z	5.99	81.52	23.16		65.0	
10265-CAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	4.98	73.90	20.68	3.98	65.0	± 9.6 %
		Y	4.38	70.57	18.86		65.0	
		Z	4.92	72.60	19.87		65.0	
10266-CAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	5.37	75.08	21.56	3.98	65.0	± 9.6 %
		Y	4.71	71.63	19.71		65.0	
		Z	5.27	73.60	20.67		65.0	
10267-CAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	6.61	82.19	24.01	3.98	65.0	± 9.6 %
		Y	4.85	75.21	20.70		65.0	
		Z	5.84	78.34	22.04		65.0	
10268-CAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	5.53	73.44	21.03	3.98	65.0	± 9.6 %
		Y	5.03	70.75	19.43		65.0	
		Z	5.54	72.47	20.25		65.0	
10269-CAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	5.54	73.02	20.85	3.98	65.0	± 9.6 %
		Y	5.06	70.44	19.31		65.0	
		Z	5.54	72.08	20.10		65.0	
10270-CAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	5.98	77.31	22.21	3.98	65.0	± 9.6 %
		Y	5.00	72.98	19.88		65.0	
		Z	5.69	75.16	20.83		65.0	

10274-CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	X	2.47	67.82	15.27	0.00	150.0	± 9.6 %
		Y	2.33	65.69	14.15		150.0	
		Z	2.48	66.63	14.91		150.0	
10275-CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	X	1.71	71.16	16.82	0.00	150.0	± 9.6 %
		Y	1.33	65.66	13.76		150.0	
		Z	1.51	67.66	15.15		150.0	
10277-CAA	PHS (QPSK)	X	1.23	59.02	4.21	9.03	50.0	± 9.6 %
		Y	1.36	59.15	4.53		50.0	
		Z	1.40	59.60	4.92		50.0	
10278-CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	X	2.49	65.17	10.30	9.03	50.0	± 9.6 %
		Y	2.68	65.81	11.00		50.0	
		Z	3.26	68.70	12.71		50.0	
10279-CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	X	2.55	65.39	10.49	9.03	50.0	± 9.6 %
		Y	2.76	66.08	11.22		50.0	
		Z	3.39	69.09	12.97		50.0	
10290-AAB	CDMA2000, RC1, SO55, Full Rate	X	0.66	62.54	8.32	0.00	150.0	± 9.6 %
		Y	0.76	62.40	8.87		150.0	
		Z	1.02	65.60	11.30		150.0	
10291-AAB	CDMA2000, RC3, SO55, Full Rate	X	0.43	61.50	7.46	0.00	150.0	± 9.6 %
		Y	0.48	61.03	7.79		150.0	
		Z	0.63	63.68	10.15		150.0	
10292-AAB	CDMA2000, RC3, SO32, Full Rate	X	0.68	66.33	10.22	0.00	150.0	± 9.6 %
		Y	0.54	62.59	8.99		150.0	
		Z	0.84	67.69	12.53		150.0	
10293-AAB	CDMA2000, RC3, SO3, Full Rate	X	100.00	115.49	24.39	0.00	150.0	± 9.6 %
		Y	0.69	65.22	10.79		150.0	
		Z	1.61	75.87	16.40		150.0	
10295-AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	X	100.00	119.39	31.37	9.03	50.0	± 9.6 %
		Y	30.54	103.12	27.89		50.0	
		Z	25.86	103.05	28.71		50.0	
10297-AAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	2.64	71.06	17.54	0.00	150.0	± 9.6 %
		Y	2.34	67.75	15.49		150.0	
		Z	2.55	69.26	16.39		150.0	
10298-AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	0.90	63.34	9.68	0.00	150.0	± 9.6 %
		Y	0.97	62.80	9.90		150.0	
		Z	1.20	65.31	11.89		150.0	
10299-AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	1.04	61.35	7.67	0.00	150.0	± 9.6 %
		Y	1.45	63.85	10.09		150.0	
		Z	1.91	66.23	11.37		150.0	
10300-AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	0.88	59.77	6.06	0.00	150.0	± 9.6 %
		Y	1.18	61.29	7.96		150.0	
		Z	1.43	62.58	8.80		150.0	
10301-AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	X	4.48	66.53	17.71	4.17	50.0	± 9.6 %
		Y	4.32	64.81	16.78		50.0	
		Z	4.53	65.70	17.38		50.0	
10302-AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols)	X	4.90	66.77	18.24	4.96	50.0	± 9.6 %
		Y	4.79	65.40	17.49		50.0	
		Z	4.93	65.95	17.91		50.0	

10303-AAA	IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	X	4.67	66.48	18.03	4.96	50.0	± 9.6 %
		Y	4.54	65.00	17.25		50.0	
		Z	4.68	65.54	17.69		50.0	
10304-AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	X	4.50	66.44	17.58	4.17	50.0	± 9.6 %
		Y	4.37	64.94	16.79		50.0	
		Z	4.51	65.50	17.22		50.0	
10305-AAA	IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)	X	4.12	68.45	18.95	6.02	35.0	± 9.6 %
		Y	3.86	66.02	17.96		35.0	
		Z	3.97	66.57	18.59		35.0	
10306-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)	X	4.42	67.53	18.97	6.02	35.0	± 9.6 %
		Y	4.25	65.60	18.06		35.0	
		Z	4.36	66.03	18.53		35.0	
10307-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)	X	4.30	67.51	18.83	6.02	35.0	± 9.6 %
		Y	4.12	65.54	17.91		35.0	
		Z	4.23	66.00	18.40		35.0	
10308-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	X	4.29	67.78	19.02	6.02	35.0	± 9.6 %
		Y	4.09	65.70	18.03		35.0	
		Z	4.20	66.19	18.54		35.0	
10309-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols)	X	4.43	67.59	19.06	6.02	35.0	± 9.6 %
		Y	4.27	65.68	18.15		35.0	
		Z	4.39	66.15	18.64		35.0	
10310-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)	X	4.38	67.63	18.98	6.02	35.0	± 9.6 %
		Y	4.20	65.62	18.03		35.0	
		Z	4.31	66.06	18.50		35.0	
10311-AAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	2.99	69.90	17.05	0.00	150.0	± 9.6 %
		Y	2.69	67.10	15.26		150.0	
		Z	2.91	68.52	16.06		150.0	
10313-AAA	iDEN 1:3	X	8.87	90.94	23.28	6.99	70.0	± 9.6 %
		Y	2.18	70.62	15.55		70.0	
		Z	3.65	77.10	18.17		70.0	
10314-AAA	iDEN 1:6	X	23.31	113.29	33.24	10.00	30.0	± 9.6 %
		Y	4.07	81.07	22.63		30.0	
		Z	6.41	89.12	25.62		30.0	
10315-AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	X	1.06	65.07	16.25	0.17	150.0	± 9.6 %
		Y	0.98	62.35	13.91		150.0	
		Z	1.04	63.52	14.91		150.0	
10316-AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	X	4.31	67.08	16.57	0.17	150.0	± 9.6 %
		Y	4.32	66.32	15.96		150.0	
		Z	4.41	66.68	16.20		150.0	
10317-AAC	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	X	4.31	67.08	16.57	0.17	150.0	± 9.6 %
		Y	4.32	66.32	15.96		150.0	
		Z	4.41	66.68	16.20		150.0	
10400-AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	X	4.34	67.26	16.50	0.00	150.0	± 9.6 %
		Y	4.38	66.57	15.93		150.0	
		Z	4.48	66.96	16.18		150.0	
10401-AAD	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	X	5.02	66.93	16.50	0.00	150.0	± 9.6 %
		Y	5.07	66.49	16.04		150.0	
		Z	5.15	66.85	16.24		150.0	

10402-AAD	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	X	5.40	67.50	16.69	0.00	150.0	± 9.6 %
		Y	5.42	67.05	16.22		150.0	
		Z	5.48	67.35	16.37		150.0	
10403-AAB	CDMA2000 (1xEV-DO, Rev. 0)	X	0.66	62.54	8.32	0.00	115.0	± 9.6 %
		Y	0.76	62.40	8.87		115.0	
		Z	1.02	65.60	11.30		115.0	
10404-AAB	CDMA2000 (1xEV-DO, Rev. A)	X	0.66	62.54	8.32	0.00	115.0	± 9.6 %
		Y	0.76	62.40	8.87		115.0	
		Z	1.02	65.60	11.30		115.0	
10406-AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	X	100.00	120.66	28.47	0.00	100.0	± 9.6 %
		Y	100.00	124.32	30.49		100.0	
		Z	100.00	114.36	26.36		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	100.00	137.18	35.87	3.23	80.0	± 9.6 %
		Y	89.20	133.87	34.99		80.0	
		Z	100.00	128.26	32.27		80.0	
10415-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	X	1.00	64.27	15.62	0.00	150.0	± 9.6 %
		Y	0.93	61.90	13.47		150.0	
		Z	0.99	62.92	14.41		150.0	
10416-AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	X	4.26	67.05	16.46	0.00	150.0	± 9.6 %
		Y	4.28	66.33	15.89		150.0	
		Z	4.36	66.69	16.13		150.0	
10417-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	X	4.26	67.05	16.46	0.00	150.0	± 9.6 %
		Y	4.28	66.33	15.89		150.0	
		Z	4.36	66.69	16.13		150.0	
10418-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	X	4.26	67.30	16.55	0.00	150.0	± 9.6 %
		Y	4.27	66.52	15.94		150.0	
		Z	4.36	66.88	16.18		150.0	
10419-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule)	X	4.27	67.21	16.52	0.00	150.0	± 9.6 %
		Y	4.29	66.46	15.93		150.0	
		Z	4.38	66.82	16.17		150.0	
10422-AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	X	4.37	67.16	16.52	0.00	150.0	± 9.6 %
		Y	4.40	66.45	15.96		150.0	
		Z	4.48	66.80	16.18		150.0	
10423-AAB	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	X	4.48	67.40	16.60	0.00	150.0	± 9.6 %
		Y	4.52	66.70	16.04		150.0	
		Z	4.61	67.06	16.27		150.0	
10424-AAB	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	X	4.42	67.34	16.58	0.00	150.0	± 9.6 %
		Y	4.45	66.65	16.02		150.0	
		Z	4.54	67.01	16.25		150.0	
10425-AAB	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	X	5.06	67.40	16.76	0.00	150.0	± 9.6 %
		Y	5.10	66.94	16.29		150.0	
		Z	5.16	67.23	16.44		150.0	
10426-AAB	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	X	5.11	67.63	16.87	0.00	150.0	± 9.6 %
		Y	5.13	67.07	16.35		150.0	
		Z	5.18	67.30	16.47		150.0	

10427-AAB	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	X	5.05	67.32	16.71	0.00	150.0	± 9.6 %
		Y	5.08	66.82	16.22		150.0	
		Z	5.15	67.12	16.38		150.0	
10430-AAC	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	X	4.23	73.22	18.45	0.00	150.0	± 9.6 %
		Y	3.93	70.77	17.45		150.0	
		Z	4.10	71.37	17.95		150.0	
10431-AAC	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	X	3.86	67.78	16.28	0.00	150.0	± 9.6 %
		Y	3.86	66.76	15.64		150.0	
		Z	3.98	67.24	16.01		150.0	
10432-AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	X	4.18	67.53	16.50	0.00	150.0	± 9.6 %
		Y	4.20	66.69	15.89		150.0	
		Z	4.31	67.10	16.17		150.0	
10433-AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	X	4.44	67.38	16.60	0.00	150.0	± 9.6 %
		Y	4.47	66.68	16.04		150.0	
		Z	4.56	67.05	16.27		150.0	
10434-AAA	W-CDMA (BS Test Model 1, 64 DPCH)	X	4.26	73.70	17.91	0.00	150.0	± 9.6 %
		Y	3.90	71.13	16.99		150.0	
		Z	4.17	72.14	17.74		150.0	
10435-AAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	136.85	35.71	3.23	80.0	± 9.6 %
		Y	73.85	130.75	34.24		80.0	
		Z	100.00	127.97	32.14		80.0	
10447-AAC	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	3.04	67.36	14.69	0.00	150.0	± 9.6 %
		Y	3.04	66.19	14.22		150.0	
		Z	3.23	67.03	14.92		150.0	
10448-AAC	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	X	3.74	67.60	16.17	0.00	150.0	± 9.6 %
		Y	3.73	66.55	15.51		150.0	
		Z	3.85	67.04	15.88		150.0	
10449-AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	X	4.04	67.36	16.41	0.00	150.0	± 9.6 %
		Y	4.04	66.51	15.78		150.0	
		Z	4.14	66.92	16.07		150.0	
10450-AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	4.25	67.17	16.47	0.00	150.0	± 9.6 %
		Y	4.27	66.44	15.88		150.0	
		Z	4.35	66.83	16.12		150.0	
10451-AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	X	2.75	66.59	13.54	0.00	150.0	± 9.6 %
		Y	2.81	65.78	13.36		150.0	
		Z	3.04	66.85	14.23		150.0	
10456-AAB	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	X	6.15	68.30	17.13	0.00	150.0	± 9.6 %
		Y	6.05	67.54	16.50		150.0	
		Z	6.09	67.83	16.64		150.0	
10457-AAA	UMTS-FDD (DC-HSDPA)	X	3.66	65.89	16.23	0.00	150.0	± 9.6 %
		Y	3.65	65.10	15.61		150.0	
		Z	3.71	65.42	15.85		150.0	
10458-AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	X	3.20	69.58	15.19	0.00	150.0	± 9.6 %
		Y	3.29	69.02	15.37		150.0	
		Z	3.67	70.71	16.58		150.0	
10459-AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	X	4.50	68.59	17.11	0.00	150.0	± 9.6 %
		Y	4.66	68.32	17.33		150.0	
		Z	4.81	68.67	17.71		150.0	

10460-AAA	UMTS-FDD (WCDMA, AMR)	X	1.26	76.31	19.76	0.00	150.0	± 9.6 %
		Y	0.71	64.73	13.42		150.0	
		Z	0.85	67.74	15.61		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	143.66	38.88	3.29	80.0	± 9.6 %
		Y	34.56	122.60	33.52		80.0	
		Z	100.00	134.99	35.38		80.0	
10462-AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.61	76.64	14.82	3.23	80.0	± 9.6 %
		Y	1.01	64.66	10.84		80.0	
		Z	1.31	65.68	10.55		80.0	
10463-AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.60	60.00	7.56	3.23	80.0	± 9.6 %
		Y	0.63	60.00	7.83		80.0	
		Z	0.70	60.00	7.29		80.0	
10464-AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	140.29	37.09	3.23	80.0	± 9.6 %
		Y	41.01	122.69	32.58		80.0	
		Z	100.00	131.53	33.60		80.0	
10465-AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.51	68.56	12.04	3.23	80.0	± 9.6 %
		Y	0.85	62.97	9.99		80.0	
		Z	1.06	63.78	9.68		80.0	
10466-AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.61	60.00	7.50	3.23	80.0	± 9.6 %
		Y	0.64	60.00	7.76		80.0	
		Z	0.71	60.00	7.23		80.0	
10467-AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	140.88	37.35	3.23	80.0	± 9.6 %
		Y	59.18	128.48	33.95		80.0	
		Z	100.00	131.99	33.80		80.0	
10468-AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.90	70.77	12.88	3.23	80.0	± 9.6 %
		Y	0.89	63.46	10.25		80.0	
		Z	1.12	64.32	9.94		80.0	
10469-AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.60	60.00	7.50	3.23	80.0	± 9.6 %
		Y	0.63	60.00	7.77		80.0	
		Z	0.70	60.00	7.23		80.0	
10470-AAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	140.97	37.38	3.23	80.0	± 9.6 %
		Y	62.06	129.24	34.12		80.0	
		Z	100.00	132.05	33.81		80.0	
10471-AAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.84	70.47	12.75	3.23	80.0	± 9.6 %
		Y	0.88	63.38	10.20		80.0	
		Z	1.11	64.20	9.87		80.0	
10472-AAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.60	60.00	7.48	3.23	80.0	± 9.6 %
		Y	0.63	60.00	7.75		80.0	
		Z	0.70	60.00	7.21		80.0	
10473-AAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	140.94	37.36	3.23	80.0	± 9.6 %
		Y	61.16	128.99	34.05		80.0	
		Z	100.00	132.00	33.79		80.0	
10474-AAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.81	70.32	12.70	3.23	80.0	± 9.6 %
		Y	0.88	63.33	10.17		80.0	
		Z	1.10	64.15	9.85		80.0	
10475-AAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.60	60.00	7.48	3.23	80.0	± 9.6 %
		Y	0.63	60.00	7.75		80.0	
		Z	0.70	60.00	7.21		80.0	

10477-AAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.53	68.71	12.08	3.23	80.0	± 9.6 %
		Y	0.84	62.95	9.96		80.0	
		Z	1.05	63.70	9.62		80.0	
10478-AAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.60	60.00	7.47	3.23	80.0	± 9.6 %
		Y	0.63	60.00	7.74		80.0	
		Z	0.70	60.00	7.20		80.0	
10479-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	131.86	35.15	3.23	80.0	± 9.6 %
		Y	12.94	98.67	26.98		80.0	
		Z	22.21	105.39	28.53		80.0	
10480-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	113.57	26.62	3.23	80.0	± 9.6 %
		Y	8.74	85.47	20.23		80.0	
		Z	17.38	92.40	21.93		80.0	
10481-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	18.06	91.55	20.55	3.23	80.0	± 9.6 %
		Y	4.37	76.08	16.65		80.0	
		Z	7.35	80.99	18.05		80.0	
10482-AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.29	74.82	16.10	2.23	80.0	± 9.6 %
		Y	1.38	63.83	11.93		80.0	
		Z	2.24	69.89	15.23		80.0	
10483-AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.50	62.45	9.85	2.23	80.0	± 9.6 %
		Y	2.04	65.44	12.22		80.0	
		Z	2.87	69.16	14.04		80.0	
10484-AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.43	61.71	9.45	2.23	80.0	± 9.6 %
		Y	1.92	64.48	11.76		80.0	
		Z	2.62	67.82	13.47		80.0	
10485-AAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.78	86.86	22.48	2.23	80.0	± 9.6 %
		Y	1.98	67.95	15.36		80.0	
		Z	2.84	73.18	18.01		80.0	
10486-AAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.84	70.05	15.08	2.23	80.0	± 9.6 %
		Y	1.97	64.49	12.85		80.0	
		Z	2.60	68.12	14.98		80.0	
10487-AAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.67	68.87	14.53	2.23	80.0	± 9.6 %
		Y	1.98	64.19	12.66		80.0	
		Z	2.57	67.61	14.72		80.0	
10488-AAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.07	78.46	21.52	2.23	80.0	± 9.6 %
		Y	2.46	68.67	16.96		80.0	
		Z	3.04	71.93	18.60		80.0	
10489-AAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.48	71.99	18.44	2.23	80.0	± 9.6 %
		Y	2.66	66.56	15.77		80.0	
		Z	3.05	68.58	16.94		80.0	
10490-AAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.50	71.49	18.20	2.23	80.0	± 9.6 %
		Y	2.75	66.49	15.73		80.0	
		Z	3.12	68.41	16.86		80.0	
10491-AAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.72	73.90	20.02	2.23	80.0	± 9.6 %
		Y	2.82	67.95	16.90		80.0	
		Z	3.28	70.32	18.09		80.0	
10492-AAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.56	69.77	18.10	2.23	80.0	± 9.6 %
		Y	3.07	66.24	16.14		80.0	
		Z	3.38	67.73	16.98		80.0	

10493-AAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.59	69.52	17.96	2.23	80.0	± 9.6 %
		Y	3.13	66.17	16.10		80.0	
		Z	3.43	67.60	16.92		80.0	
10494-AAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.13	75.78	20.74	2.23	80.0	± 9.6 %
		Y	2.97	68.99	17.27		80.0	
		Z	3.53	71.74	18.59		80.0	
10495-AAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.57	69.95	18.36	2.23	80.0	± 9.6 %
		Y	3.08	66.44	16.34		80.0	
		Z	3.39	67.98	17.18		80.0	
10496-AAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.63	69.58	18.20	2.23	80.0	± 9.6 %
		Y	3.18	66.32	16.31		80.0	
		Z	3.48	67.76	17.10		80.0	
10497-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	0.86	60.00	7.83	2.23	80.0	± 9.6 %
		Y	0.94	60.00	8.43		80.0	
		Z	1.26	62.86	10.60		80.0	
10498-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.06	60.00	6.32	2.23	80.0	± 9.6 %
		Y	1.11	60.00	7.15		80.0	
		Z	1.15	60.00	7.79		80.0	
10499-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.09	60.00	6.13	2.23	80.0	± 9.6 %
		Y	1.13	60.00	6.98		80.0	
		Z	1.16	60.00	7.62		80.0	
10500-AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	5.11	82.69	21.91	2.23	80.0	± 9.6 %
		Y	2.18	68.30	16.03		80.0	
		Z	2.89	72.51	18.19		80.0	
10501-AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.38	72.12	16.89	2.23	80.0	± 9.6 %
		Y	2.30	65.71	14.16		80.0	
		Z	2.84	68.67	15.89		80.0	
10502-AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.32	71.47	16.50	2.23	80.0	± 9.6 %
		Y	2.34	65.56	14.00		80.0	
		Z	2.88	68.46	15.71		80.0	
10503-AAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.00	78.15	21.38	2.23	80.0	± 9.6 %
		Y	2.43	68.50	16.86		80.0	
		Z	3.00	71.73	18.50		80.0	
10504-AAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.45	71.84	18.36	2.23	80.0	± 9.6 %
		Y	2.65	66.46	15.71		80.0	
		Z	3.03	68.49	16.88		80.0	
10505-AAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.47	71.37	18.13	2.23	80.0	± 9.6 %
		Y	2.73	66.40	15.67		80.0	
		Z	3.11	68.32	16.80		80.0	
10506-AAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.09	75.59	20.65	2.23	80.0	± 9.6 %
		Y	2.95	68.87	17.20		80.0	
		Z	3.51	71.60	18.52		80.0	
10507-AAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.56	69.88	18.32	2.23	80.0	± 9.6 %
		Y	3.07	66.39	16.30		80.0	
		Z	3.38	67.92	17.15		80.0	

10508-AAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.61	69.50	18.15	2.23	80.0	± 9.6 %
		Y	3.17	66.26	16.27		80.0	
		Z	3.46	67.69	17.06		80.0	
10509-AAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.20	72.86	19.53	2.23	80.0	± 9.6 %
		Y	3.42	68.34	17.01		80.0	
		Z	3.88	70.43	18.01		80.0	
10510-AAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.92	68.81	18.05	2.23	80.0	± 9.6 %
		Y	3.56	66.32	16.47		80.0	
		Z	3.85	67.60	17.14		80.0	
10511-AAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.98	68.57	17.95	2.23	80.0	± 9.6 %
		Y	3.64	66.21	16.45		80.0	
		Z	3.92	67.41	17.08		80.0	
10512-AAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.48	74.72	20.17	2.23	80.0	± 9.6 %
		Y	3.43	69.26	17.28		80.0	
		Z	4.02	71.84	18.48		80.0	
10513-AAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.82	68.98	18.16	2.23	80.0	± 9.6 %
		Y	3.45	66.38	16.51		80.0	
		Z	3.74	67.76	17.23		80.0	
10514-AAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.85	68.52	17.99	2.23	80.0	± 9.6 %
		Y	3.51	66.13	16.44		80.0	
		Z	3.78	67.40	17.11		80.0	
10515-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	X	0.96	64.60	15.77	0.00	150.0	± 9.6 %
		Y	0.89	61.99	13.45		150.0	
		Z	0.95	63.08	14.46		150.0	
10516-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	X	2.33	97.00	27.78	0.00	150.0	± 9.6 %
		Y	0.43	64.91	13.28		150.0	
		Z	0.56	69.50	16.60		150.0	
10517-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	X	0.86	68.07	17.27	0.00	150.0	± 9.6 %
		Y	0.71	62.96	13.44		150.0	
		Z	0.79	64.75	14.96		150.0	
10518-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	X	4.25	67.19	16.47	0.00	150.0	± 9.6 %
		Y	4.27	66.42	15.88		150.0	
		Z	4.35	66.78	16.12		150.0	
10519-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	X	4.38	67.33	16.55	0.00	150.0	± 9.6 %
		Y	4.41	66.60	15.98		150.0	
		Z	4.50	66.96	16.21		150.0	
10520-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	X	4.25	67.26	16.47	0.00	150.0	± 9.6 %
		Y	4.27	66.51	15.88		150.0	
		Z	4.36	66.89	16.12		150.0	
10521-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	X	4.18	67.20	16.44	0.00	150.0	± 9.6 %
		Y	4.20	66.46	15.85		150.0	
		Z	4.29	66.86	16.10		150.0	
10522-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	X	4.21	67.26	16.50	0.00	150.0	± 9.6 %
		Y	4.24	66.58	15.94		150.0	
		Z	4.35	66.98	16.20		150.0	

10523-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	X	4.18	67.45	16.52	0.00	150.0	± 9.6 %
		Y	4.18	66.58	15.86		150.0	
		Z	4.27	66.96	16.11		150.0	
10524-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	X	4.18	67.33	16.55	0.00	150.0	± 9.6 %
		Y	4.20	66.55	15.94		150.0	
		Z	4.30	66.94	16.19		150.0	
10525-AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	X	4.24	66.47	16.19	0.00	150.0	± 9.6 %
		Y	4.23	65.66	15.56		150.0	
		Z	4.32	66.04	15.81		150.0	
10526-AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)	X	4.34	66.70	16.29	0.00	150.0	± 9.6 %
		Y	4.35	65.92	15.67		150.0	
		Z	4.45	66.33	15.93		150.0	
10527-AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	X	4.28	66.69	16.24	0.00	150.0	± 9.6 %
		Y	4.28	65.87	15.61		150.0	
		Z	4.38	66.29	15.86		150.0	
10528-AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	X	4.29	66.70	16.27	0.00	150.0	± 9.6 %
		Y	4.29	65.89	15.64		150.0	
		Z	4.39	66.31	15.90		150.0	
10529-AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	X	4.29	66.70	16.27	0.00	150.0	± 9.6 %
		Y	4.29	65.89	15.64		150.0	
		Z	4.39	66.31	15.90		150.0	
10531-AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)	X	4.24	66.68	16.22	0.00	150.0	± 9.6 %
		Y	4.25	65.90	15.61		150.0	
		Z	4.36	66.34	15.88		150.0	
10532-AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	X	4.14	66.55	16.16	0.00	150.0	± 9.6 %
		Y	4.14	65.75	15.53		150.0	
		Z	4.24	66.20	15.81		150.0	
10533-AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)	X	4.29	66.80	16.28	0.00	150.0	± 9.6 %
		Y	4.29	65.97	15.64		150.0	
		Z	4.40	66.39	15.90		150.0	
10534-AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	X	4.86	66.53	16.31	0.00	150.0	± 9.6 %
		Y	4.88	65.98	15.79		150.0	
		Z	4.95	66.32	15.97		150.0	
10535-AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	X	4.89	66.65	16.37	0.00	150.0	± 9.6 %
		Y	4.91	66.10	15.85		150.0	
		Z	5.00	66.46	16.03		150.0	
10536-AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	X	4.79	66.64	16.34	0.00	150.0	± 9.6 %
		Y	4.80	66.08	15.81		150.0	
		Z	4.89	66.46	16.01		150.0	
10537-AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	X	4.88	66.74	16.39	0.00	150.0	± 9.6 %
		Y	4.88	66.12	15.83		150.0	
		Z	4.95	66.44	16.00		150.0	
10538-AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	X	4.91	66.59	16.35	0.00	150.0	± 9.6 %
		Y	4.94	66.07	15.85		150.0	
		Z	5.01	66.41	16.03		150.0	
10540-AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	X	4.85	66.55	16.35	0.00	150.0	± 9.6 %
		Y	4.86	66.01	15.84		150.0	
		Z	4.94	66.38	16.03		150.0	

10541-AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)	X	4.84	66.50	16.30	0.00	150.0	± 9.6 %
		Y	4.85	65.93	15.78		150.0	
		Z	4.93	66.29	15.97		150.0	
10542-AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	X	4.98	66.58	16.36	0.00	150.0	± 9.6 %
		Y	5.01	66.06	15.86		150.0	
		Z	5.08	66.39	16.04		150.0	
10543-AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	X	5.07	66.72	16.46	0.00	150.0	± 9.6 %
		Y	5.09	66.19	15.96		150.0	
		Z	5.15	66.45	16.09		150.0	
10544-AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	X	5.23	66.52	16.26	0.00	150.0	± 9.6 %
		Y	5.23	66.08	15.80		150.0	
		Z	5.29	66.42	15.97		150.0	
10545-AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)	X	5.42	67.07	16.51	0.00	150.0	± 9.6 %
		Y	5.42	66.57	16.01		150.0	
		Z	5.47	66.84	16.14		150.0	
10546-AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	X	5.25	66.63	16.29	0.00	150.0	± 9.6 %
		Y	5.26	66.19	15.83		150.0	
		Z	5.33	66.54	16.00		150.0	
10547-AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	X	5.40	66.98	16.47	0.00	150.0	± 9.6 %
		Y	5.36	66.37	15.91		150.0	
		Z	5.40	66.64	16.04		150.0	
10548-AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	X	5.46	67.37	16.64	0.00	150.0	± 9.6 %
		Y	5.49	66.97	16.19		150.0	
		Z	5.55	67.26	16.33		150.0	
10550-AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	X	5.39	67.12	16.55	0.00	150.0	± 9.6 %
		Y	5.34	66.47	15.98		150.0	
		Z	5.38	66.70	16.09		150.0	
10551-AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	X	5.22	66.55	16.23	0.00	150.0	± 9.6 %
		Y	5.25	66.14	15.78		150.0	
		Z	5.32	66.52	15.96		150.0	
10552-AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	X	5.23	66.67	16.28	0.00	150.0	± 9.6 %
		Y	5.24	66.18	15.80		150.0	
		Z	5.30	66.53	15.97		150.0	
10553-AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	X	5.27	66.57	16.26	0.00	150.0	± 9.6 %
		Y	5.29	66.14	15.81		150.0	
		Z	5.36	66.48	15.98		150.0	
10554-AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	X	5.67	66.83	16.33	0.00	150.0	± 9.6 %
		Y	5.66	66.44	15.91		150.0	
		Z	5.71	66.75	16.05		150.0	
10555-AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	X	5.75	67.04	16.43	0.00	150.0	± 9.6 %
		Y	5.76	66.67	16.01		150.0	
		Z	5.81	66.99	16.15		150.0	
10556-AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)	X	5.82	67.26	16.53	0.00	150.0	± 9.6 %
		Y	5.80	66.81	16.07		150.0	
		Z	5.84	67.08	16.19		150.0	
10557-AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	X	5.74	67.02	16.42	0.00	150.0	± 9.6 %
		Y	5.74	66.64	16.00		150.0	
		Z	5.80	66.96	16.15		150.0	

10558-AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	X	5.72	66.97	16.42	0.00	150.0	± 9.6 %
		Y	5.74	66.66	16.03		150.0	
		Z	5.82	67.04	16.20		150.0	
10560-AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	X	5.75	66.95	16.44	0.00	150.0	± 9.6 %
		Y	5.77	66.62	16.04		150.0	
		Z	5.83	66.96	16.20		150.0	
10561-AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	X	5.69	66.96	16.48	0.00	150.0	± 9.6 %
		Y	5.71	66.62	16.07		150.0	
		Z	5.76	66.94	16.22		150.0	
10562-AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	X	5.73	67.07	16.54	0.00	150.0	± 9.6 %
		Y	5.75	66.74	16.14		150.0	
		Z	5.82	67.12	16.31		150.0	
10563-AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	X	5.85	67.14	16.54	0.00	150.0	± 9.6 %
		Y	5.87	66.79	16.13		150.0	
		Z	5.91	67.06	16.25		150.0	
10564-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)	X	4.57	67.17	16.61	0.46	150.0	± 9.6 %
		Y	4.59	66.49	16.05		150.0	
		Z	4.67	66.83	16.27		150.0	
10565-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)	X	4.74	67.55	16.90	0.46	150.0	± 9.6 %
		Y	4.78	66.90	16.38		150.0	
		Z	4.87	67.23	16.58		150.0	
10566-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)	X	4.59	67.37	16.72	0.46	150.0	± 9.6 %
		Y	4.62	66.70	16.17		150.0	
		Z	4.71	67.05	16.39		150.0	
10567-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)	X	4.62	67.76	17.09	0.46	150.0	± 9.6 %
		Y	4.65	67.09	16.54		150.0	
		Z	4.74	67.43	16.75		150.0	
10568-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle)	X	4.46	67.03	16.42	0.46	150.0	± 9.6 %
		Y	4.51	66.42	15.90		150.0	
		Z	4.61	66.81	16.14		150.0	
10569-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	X	4.63	68.10	17.29	0.46	150.0	± 9.6 %
		Y	4.63	67.31	16.68		150.0	
		Z	4.72	67.64	16.87		150.0	
10570-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle)	X	4.60	67.79	17.13	0.46	150.0	± 9.6 %
		Y	4.64	67.10	16.57		150.0	
		Z	4.73	67.44	16.77		150.0	
10571-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	X	1.13	65.55	16.59	0.46	130.0	± 9.6 %
		Y	1.02	62.57	14.13		130.0	
		Z	1.09	63.87	15.18		130.0	
10572-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	X	1.14	66.28	17.05	0.46	130.0	± 9.6 %
		Y	1.02	62.97	14.40		130.0	
		Z	1.10	64.37	15.52		130.0	
10573-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	X	100.00	160.36	43.84	0.46	130.0	± 9.6 %
		Y	0.72	69.89	16.37		130.0	
		Z	1.32	80.40	21.60		130.0	
10574-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	X	1.39	74.93	21.47	0.46	130.0	± 9.6 %
		Y	0.97	66.41	16.28		130.0	
		Z	1.14	69.27	18.15		130.0	

10575-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	X	4.35	66.98	16.66	0.46	130.0	± 9.6 %
		Y	4.37	66.25	16.07		130.0	
		Z	4.45	66.60	16.31		130.0	
10576-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	X	4.39	67.23	16.77	0.46	130.0	± 9.6 %
		Y	4.40	66.45	16.16		130.0	
		Z	4.48	66.79	16.39		130.0	
10577-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	X	4.53	67.43	16.90	0.46	130.0	± 9.6 %
		Y	4.55	66.69	16.31		130.0	
		Z	4.65	67.03	16.53		130.0	
10578-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	X	4.44	67.57	17.01	0.46	130.0	± 9.6 %
		Y	4.46	66.81	16.41		130.0	
		Z	4.55	67.16	16.63		130.0	
10579-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	X	4.19	66.71	16.24	0.46	130.0	± 9.6 %
		Y	4.21	65.98	15.64		130.0	
		Z	4.31	66.39	15.91		130.0	
10580-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	X	4.21	66.71	16.23	0.46	130.0	± 9.6 %
		Y	4.24	66.03	15.66		130.0	
		Z	4.35	66.45	15.94		130.0	
10581-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	X	4.37	67.75	17.05	0.46	130.0	± 9.6 %
		Y	4.37	66.88	16.38		130.0	
		Z	4.46	67.24	16.60		130.0	
10582-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	X	4.11	66.49	16.03	0.46	130.0	± 9.6 %
		Y	4.14	65.75	15.42		130.0	
		Z	4.24	66.16	15.70		130.0	
10583-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	X	4.35	66.98	16.66	0.46	130.0	± 9.6 %
		Y	4.37	66.25	16.07		130.0	
		Z	4.45	66.60	16.31		130.0	
10584-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	X	4.39	67.23	16.77	0.46	130.0	± 9.6 %
		Y	4.40	66.45	16.16		130.0	
		Z	4.48	66.79	16.39		130.0	
10585-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	X	4.53	67.43	16.90	0.46	130.0	± 9.6 %
		Y	4.55	66.69	16.31		130.0	
		Z	4.65	67.03	16.53		130.0	
10586-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	X	4.44	67.57	17.01	0.46	130.0	± 9.6 %
		Y	4.46	66.81	16.41		130.0	
		Z	4.55	67.16	16.63		130.0	
10587-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	X	4.19	66.71	16.24	0.46	130.0	± 9.6 %
		Y	4.21	65.98	15.64		130.0	
		Z	4.31	66.39	15.91		130.0	
10588-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	X	4.21	66.71	16.23	0.46	130.0	± 9.6 %
		Y	4.24	66.03	15.66		130.0	
		Z	4.35	66.45	15.94		130.0	
10589-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	X	4.37	67.75	17.05	0.46	130.0	± 9.6 %
		Y	4.37	66.88	16.38		130.0	
		Z	4.46	67.24	16.60		130.0	
10590-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	X	4.11	66.49	16.03	0.46	130.0	± 9.6 %
		Y	4.14	65.75	15.42		130.0	
		Z	4.24	66.16	15.70		130.0	

10591-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	X	4.51	67.07	16.79	0.46	130.0	± 9.6 %
		Y	4.53	66.37	16.22		130.0	
		Z	4.61	66.68	16.43		130.0	
10592-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	X	4.61	67.33	16.91	0.46	130.0	± 9.6 %
		Y	4.64	66.64	16.34		130.0	
		Z	4.73	66.98	16.55		130.0	
10593-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	X	4.53	67.22	16.77	0.46	130.0	± 9.6 %
		Y	4.56	66.51	16.19		130.0	
		Z	4.65	66.86	16.41		130.0	
10594-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	X	4.59	67.39	16.94	0.46	130.0	± 9.6 %
		Y	4.61	66.69	16.36		130.0	
		Z	4.70	67.03	16.57		130.0	
10595-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	X	4.55	67.39	16.86	0.46	130.0	± 9.6 %
		Y	4.58	66.66	16.27		130.0	
		Z	4.67	67.01	16.48		130.0	
10596-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle)	X	4.48	67.33	16.84	0.46	130.0	± 9.6 %
		Y	4.51	66.61	16.25		130.0	
		Z	4.60	66.98	16.48		130.0	
10597-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle)	X	4.44	67.19	16.68	0.46	130.0	± 9.6 %
		Y	4.46	66.47	16.09		130.0	
		Z	4.55	66.85	16.33		130.0	
10598-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	X	4.44	67.44	16.96	0.46	130.0	± 9.6 %
		Y	4.45	66.70	16.36		130.0	
		Z	4.54	67.07	16.59		130.0	
10599-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	X	5.25	67.58	17.13	0.46	130.0	± 9.6 %
		Y	5.24	66.95	16.56		130.0	
		Z	5.29	67.14	16.66		130.0	
10600-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	X	5.34	67.95	17.30	0.46	130.0	± 9.6 %
		Y	5.36	67.36	16.74		130.0	
		Z	5.38	67.49	16.81		130.0	
10601-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	X	5.27	67.81	17.24	0.46	130.0	± 9.6 %
		Y	5.25	67.09	16.62		130.0	
		Z	5.29	67.28	16.72		130.0	
10602-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	X	5.32	67.68	17.09	0.46	130.0	± 9.6 %
		Y	5.35	67.17	16.58		130.0	
		Z	5.40	67.38	16.69		130.0	
10603-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)	X	5.33	67.78	17.28	0.46	130.0	± 9.6 %
		Y	5.40	67.40	16.84		130.0	
		Z	5.46	67.65	16.96		130.0	
10604-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)	X	5.20	67.32	17.02	0.46	130.0	± 9.6 %
		Y	5.27	66.98	16.60		130.0	
		Z	5.35	67.32	16.78		130.0	
10605-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)	X	5.29	67.63	17.19	0.46	130.0	± 9.6 %
		Y	5.33	67.16	16.69		130.0	
		Z	5.38	67.39	16.82		130.0	
10606-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)	X	5.14	67.30	16.87	0.46	130.0	± 9.6 %
		Y	5.12	66.62	16.27		130.0	
		Z	5.16	66.82	16.38		130.0	

10607-AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	X	4.38	66.48	16.48	0.46	130.0	± 9.6 %
		Y	4.37	65.68	15.84		130.0	
		Z	4.46	66.03	16.07		130.0	
10608-AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	X	4.49	66.76	16.61	0.46	130.0	± 9.6 %
		Y	4.50	65.99	15.98		130.0	
		Z	4.60	66.37	16.22		130.0	
10609-AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	X	4.40	66.61	16.43	0.46	130.0	± 9.6 %
		Y	4.40	65.81	15.80		130.0	
		Z	4.50	66.21	16.04		130.0	
10610-AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	X	4.45	66.79	16.61	0.46	130.0	± 9.6 %
		Y	4.45	65.98	15.97		130.0	
		Z	4.55	66.37	16.21		130.0	
10611-AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	X	4.36	66.56	16.44	0.46	130.0	± 9.6 %
		Y	4.36	65.77	15.81		130.0	
		Z	4.46	66.17	16.06		130.0	
10612-AAB	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	X	4.33	66.68	16.48	0.46	130.0	± 9.6 %
		Y	4.35	65.88	15.84		130.0	
		Z	4.45	66.30	16.10		130.0	
10613-AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	X	4.33	66.47	16.31	0.46	130.0	± 9.6 %
		Y	4.34	65.70	15.68		130.0	
		Z	4.45	66.12	15.94		130.0	
10614-AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	X	4.31	66.72	16.57	0.46	130.0	± 9.6 %
		Y	4.31	65.92	15.93		130.0	
		Z	4.41	66.33	16.19		130.0	
10615-AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	X	4.35	66.43	16.22	0.46	130.0	± 9.6 %
		Y	4.35	65.61	15.57		130.0	
		Z	4.46	66.02	15.84		130.0	
10616-AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	X	5.02	66.60	16.62	0.46	130.0	± 9.6 %
		Y	5.03	66.05	16.09		130.0	
		Z	5.10	66.36	16.25		130.0	
10617-AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	X	5.05	66.72	16.67	0.46	130.0	± 9.6 %
		Y	5.07	66.17	16.13		130.0	
		Z	5.14	66.50	16.30		130.0	
10618-AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	X	4.96	66.75	16.69	0.46	130.0	± 9.6 %
		Y	4.97	66.21	16.16		130.0	
		Z	5.05	66.56	16.35		130.0	
10619-AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	X	5.03	66.77	16.64	0.46	130.0	± 9.6 %
		Y	5.01	66.10	16.04		130.0	
		Z	5.07	66.37	16.19		130.0	
10620-AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	X	5.04	66.57	16.58	0.46	130.0	± 9.6 %
		Y	5.07	66.08	16.08		130.0	
		Z	5.14	66.38	16.24		130.0	
10621-AAB	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	X	5.05	66.67	16.75	0.46	130.0	± 9.6 %
		Y	5.07	66.16	16.24		130.0	
		Z	5.15	66.49	16.41		130.0	
10622-AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	X	5.05	66.78	16.81	0.46	130.0	± 9.6 %
		Y	5.06	66.25	16.29		130.0	
		Z	5.14	66.58	16.45		130.0	

10623-AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	X	4.96	66.41	16.48	0.46	130.0	± 9.6 %
		Y	4.96	65.81	15.92		130.0	
		Z	5.03	66.14	16.10		130.0	
10624-AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	X	5.14	66.62	16.65	0.46	130.0	± 9.6 %
		Y	5.16	66.09	16.13		130.0	
		Z	5.23	66.40	16.29		130.0	
10625-AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	X	5.23	66.81	16.81	0.46	130.0	± 9.6 %
		Y	5.24	66.23	16.27		130.0	
		Z	5.33	66.59	16.45		130.0	
10626-AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	X	5.37	66.54	16.54	0.46	130.0	± 9.6 %
		Y	5.37	66.08	16.06		130.0	
		Z	5.43	66.40	16.21		130.0	
10627-AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	X	5.62	67.27	16.89	0.46	130.0	± 9.6 %
		Y	5.62	66.78	16.39		130.0	
		Z	5.65	66.98	16.48		130.0	
10628-AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	X	5.36	66.51	16.44	0.46	130.0	± 9.6 %
		Y	5.36	66.07	15.95		130.0	
		Z	5.42	66.39	16.11		130.0	
10629-AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	X	5.56	67.07	16.72	0.46	130.0	± 9.6 %
		Y	5.49	66.34	16.09		130.0	
		Z	5.52	66.54	16.19		130.0	
10630-AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	X	5.66	67.55	16.97	0.46	130.0	± 9.6 %
		Y	5.72	67.24	16.55		130.0	
		Z	5.76	67.49	16.67		130.0	
10631-AAB	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	X	5.63	67.57	17.15	0.46	130.0	± 9.6 %
		Y	5.67	67.19	16.71		130.0	
		Z	5.73	67.50	16.85		130.0	
10632-AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	X	5.69	67.71	17.24	0.46	130.0	± 9.6 %
		Y	5.63	66.98	16.63		130.0	
		Z	5.64	67.12	16.68		130.0	
10633-AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	X	5.36	66.53	16.48	0.46	130.0	± 9.6 %
		Y	5.38	66.12	16.02		130.0	
		Z	5.47	66.52	16.21		130.0	
10634-AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	X	5.40	66.78	16.65	0.46	130.0	± 9.6 %
		Y	5.41	66.32	16.17		130.0	
		Z	5.48	66.65	16.33		130.0	
10635-AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	X	5.26	66.02	16.01	0.46	130.0	± 9.6 %
		Y	5.27	65.59	15.53		130.0	
		Z	5.34	65.94	15.71		130.0	
10636-AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	X	5.83	66.88	16.62	0.46	130.0	± 9.6 %
		Y	5.82	66.47	16.18		130.0	
		Z	5.86	66.75	16.30		130.0	
10637-AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	X	5.94	67.19	16.77	0.46	130.0	± 9.6 %
		Y	5.94	66.79	16.33		130.0	
		Z	5.98	67.06	16.44		130.0	
10638-AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	X	6.01	67.39	16.85	0.46	130.0	± 9.6 %
		Y	5.96	66.85	16.33		130.0	
		Z	6.00	67.11	16.45		130.0	

10639-AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	X	5.91	67.09	16.74	0.46	130.0	± 9.6 %
		Y	5.91	66.70	16.30		130.0	
		Z	5.96	67.00	16.43		130.0	
10640-AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	X	5.83	66.88	16.58	0.46	130.0	± 9.6 %
		Y	5.86	66.56	16.17		130.0	
		Z	5.93	66.93	16.34		130.0	
10641-AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	X	5.99	67.15	16.74	0.46	130.0	± 9.6 %
		Y	5.98	66.73	16.28		130.0	
		Z	6.02	66.98	16.39		130.0	
10642-AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	X	5.96	67.18	16.91	0.46	130.0	± 9.6 %
		Y	5.99	66.86	16.51		130.0	
		Z	6.04	67.17	16.64		130.0	
10643-AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	X	5.82	66.90	16.67	0.46	130.0	± 9.6 %
		Y	5.84	66.57	16.25		130.0	
		Z	5.89	66.88	16.40		130.0	
10644-AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	X	5.87	67.05	16.76	0.46	130.0	± 9.6 %
		Y	5.88	66.71	16.35		130.0	
		Z	5.96	67.09	16.52		130.0	
10645-AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	X	6.02	67.22	16.81	0.46	130.0	± 9.6 %
		Y	6.06	66.92	16.42		130.0	
		Z	6.08	67.13	16.51		130.0	
10646-AAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	X	7.45	98.05	36.37	9.30	60.0	± 9.6 %
		Y	5.70	87.94	31.48		60.0	
		Z	10.68	104.19	37.43		60.0	
10647-AAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	X	6.28	94.10	35.07	9.30	60.0	± 9.6 %
		Y	5.09	85.56	30.67		60.0	
		Z	8.75	99.75	36.06		60.0	
10648-AAA	CDMA2000 (1x Advanced)	X	0.35	60.00	5.99	0.00	150.0	± 9.6 %
		Y	0.42	60.00	6.66		150.0	
		Z	0.51	61.64	8.47		150.0	
10652-AAC	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	3.43	68.40	17.05	2.23	80.0	± 9.6 %
		Y	3.04	65.40	15.46		80.0	
		Z	3.29	66.60	16.23		80.0	
10653-AAC	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	X	3.85	66.81	17.07	2.23	80.0	± 9.6 %
		Y	3.63	65.00	15.94		80.0	
		Z	3.82	65.84	16.44		80.0	
10654-AAC	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	X	3.86	66.20	17.05	2.23	80.0	± 9.6 %
		Y	3.67	64.66	16.00		80.0	
		Z	3.83	65.44	16.46		80.0	
10655-AAD	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	3.94	66.00	17.05	2.23	80.0	± 9.6 %
		Y	3.75	64.59	16.05		80.0	
		Z	3.91	65.37	16.49		80.0	
10658-AAA	Pulse Waveform (200Hz, 10%)	X	100.00	108.27	24.21	10.00	50.0	± 9.6 %
		Y	20.54	89.19	19.09		50.0	
		Z	100.00	106.85	23.58		50.0	
10659-AAA	Pulse Waveform (200Hz, 20%)	X	100.00	109.79	23.79	6.99	60.0	± 9.6 %
		Y	100.00	105.04	21.61		60.0	
		Z	100.00	107.25	22.69		60.0	

10660-AAA	Pulse Waveform (200Hz, 40%)	X	100.00	116.02	25.06	3.98	80.0	± 9.6 %
		Y	100.00	103.57	19.60		80.0	
		Z	100.00	110.44	22.79		80.0	
10661-AAA	Pulse Waveform (200Hz, 60%)	X	100.00	127.15	28.10	2.22	100.0	± 9.6 %
		Y	100.00	96.83	15.82		100.0	
		Z	100.00	114.65	23.34		100.0	
10662-AAA	Pulse Waveform (200Hz, 80%)	X	99.99	357.35	106.97	0.97	120.0	± 9.6 %
		Y	0.15	60.00	2.92		120.0	
		Z	100.00	114.05	21.55		120.0	

[E] Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

Calibration Laboratory of
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Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

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Accreditation No.: SCS 0108

Client PC Test

Certificate No: EX3-7491_Jul18

CALIBRATION CERTIFICATE

Object: EX3DV4 - SN:7491

SC ✓ 8/2/2018

Calibration procedure(s): QA CAL-01.v9, QA CAL-14.v4, QA CAL-23.v5, QA CAL-25.v6
Calibration procedure for dosimetric E-field probes

Calibration date: July 20, 2018

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 (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	04-Apr-18 (No. 217-02672/02673)	Apr-19
Power sensor NRP-Z91	SN: 103244	04-Apr-18 (No. 217-02672)	Apr-19
Power sensor NRP-Z91	SN: 103245	04-Apr-18 (No. 217-02673)	Apr-19
Reference 20 dB Attenuator	SN: S5277 (20x)	04-Apr-18 (No. 217-02682)	Apr-19
Reference Probe ES3DV2	SN: 3013	30-Dec-17 (No. ES3-3013_Dec17)	Dec-18
DAE4	SN: 660	21-Dec-17 (No. DAE4-660_Dec17)	Dec-18
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-18)	In house check: Jun-20
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Oct-17)	In house check: Oct-18

	Name	Function	Signature
Calibrated by:	Michael Weber	Laboratory Technician	
Approved by:	Katja Pokovic	Technical Manager	

Issued: July 23, 2018

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

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

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Glossary:

TSL	tissue simulating liquid
NORMx,y,z	sensitivity in free space
ConvF	sensitivity in TSL / NORMx,y,z
DCP	diode compression point
CF	crest factor (1/duty_cycle) of the RF signal
A, B, C, D	modulation dependent linearization parameters
Polarization φ	φ rotation around probe axis
Polarization ϑ	ϑ rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., ϑ = 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:

a) 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
b) 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
c) 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
d) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Methods Applied and Interpretation of Parameters:

- *NORMx,y,z:* Assessed for E-field polarization ϑ = 0 (f ≤ 900 MHz in TEM-cell; f > 1800 MHz: R22 waveguide). NORMx,y,z are only intermediate values, i.e., the uncertainties of NORMx,y,z does not affect the E^2-field uncertainty inside TSL (see below *ConvF*).
- *NORM(f)x,y,z = NORMx,y,z * 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*.
- *DCPx,y,z:* DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal (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
- *Ax,y,z; Bx,y,z; Cx,y,z; Dx,y,z; VRx,y,z: A, B, C, D* 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 ≤ 800 MHz) and inside waveguide using analytical field distributions based on power measurements for f > 800 MHz. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to *NORMx,y,z * 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 ± 50 MHz to ± 100 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 *NORMx* (no uncertainty required).

Probe EX3DV4

SN:7491

Manufactured:	March 20, 2017
Repaired:	July 10, 2018
Calibrated:	July 20, 2018

Calibrated for DASY/EASY Systems
(Note: non-compatible with DASY2 system!)

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7491

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm ($\mu V/(V/m)^2$)[A]	0.56	0.55	0.49	± 10.1 %
DCP (mV)[B]	99.1	99.7	100.8	

Modulation Calibration Parameters

UID	Communication System Name		A dB	B dB√μV	C	D dB	VR mV	Unc[E] (k=2)
0	CW	X	0.0	0.0	1.0	0.00	150.4	±3.3 %
		Y	0.0	0.0	1.0		146.8	
		Z	0.0	0.0	1.0		158.3	

Note: For details on UID parameters see Appendix.

Sensor Model Parameters

	C1 fF	C2 fF	α V^{-1}	T1 $ms.V^{-2}$	T2 $ms.V^{-1}$	T3 ms	T4 V^{-2}	T5 V^{-1}	T6
X	35.21	264.2	36.02	7.203	0.000	5.028	1.076	0.208	1.005
Y	43.10	332.1	37.48	6.569	0.184	5.070	0.501	0.436	1.008
Z	32.15	239.5	35.45	5.491	0.000	5.007	0.859	0.176	1.004

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%.

[A] The uncertainties of Norm X,Y,Z do not affect the E^2-field uncertainty inside TSL (see Pages 5 and 6).
[B] Numerical linearization parameter: uncertainty not required.
[E] 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: EX3DV4 - SN:7491

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) [C]	Relative Permittivity [F]	Conductivity (S/m) [F]	ConvF X	ConvF Y	ConvF Z	Alpha [G]	Depth [G] (mm)	Unc (k=2)
750	41.9	0.89	10.48	10.48	10.48	0.55	0.85	± 12.0 %
835	41.5	0.90	10.10	10.10	10.10	0.53	0.80	± 12.0 %
1750	40.1	1.37	8.81	8.81	8.81	0.36	0.80	± 12.0 %
1900	40.0	1.40	8.48	8.48	8.48	0.30	0.87	± 12.0 %
2300	39.5	1.67	8.12	8.12	8.12	0.25	0.90	± 12.0 %
2450	39.2	1.80	7.67	7.67	7.67	0.33	0.84	± 12.0 %
2600	39.0	1.96	7.52	7.52	7.52	0.30	0.88	± 12.0 %
5250	35.9	4.71	5.62	5.62	5.62	0.40	1.80	± 13.1 %
5600	35.5	5.07	5.05	5.05	5.05	0.40	1.80	± 13.1 %
5750	35.4	5.22	5.27	5.27	5.27	0.40	1.80	± 13.1 %

[C] Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the 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.

[F] At frequencies below 3 GHz, the validity of tissue parameters (ε and σ) 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 (ε and σ) is restricted to ± 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

[G] 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 frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7491

Calibration Parameter Determined in Body Tissue Simulating Media

f (MHz) [C]	Relative Permittivity [F]	Conductivity (S/m) [F]	ConvF X	ConvF Y	ConvF Z	Alpha [G]	Depth [G] (mm)	Unc (k=2)
750	55.5	0.96	10.60	10.60	10.60	0.35	0.97	± 12.0 %
835	55.2	0.97	10.30	10.30	10.30	0.41	0.86	± 12.0 %
1750	53.4	1.49	8.55	8.55	8.55	0.35	0.87	± 12.0 %
1900	53.3	1.52	8.19	8.19	8.19	0.36	0.85	± 12.0 %
2300	52.9	1.81	7.91	7.91	7.91	0.34	0.87	± 12.0 %
2450	52.7	1.95	7.74	7.74	7.74	0.34	0.85	± 12.0 %
2600	52.5	2.16	7.44	7.44	7.44	0.25	0.92	± 12.0 %
5250	48.9	5.36	4.82	4.82	4.82	0.50	1.90	± 13.1 %
5600	48.5	5.77	4.19	4.19	4.19	0.50	1.90	± 13.1 %
5750	48.3	5.94	4.37	4.37	4.37	0.50	1.90	± 13.1 %

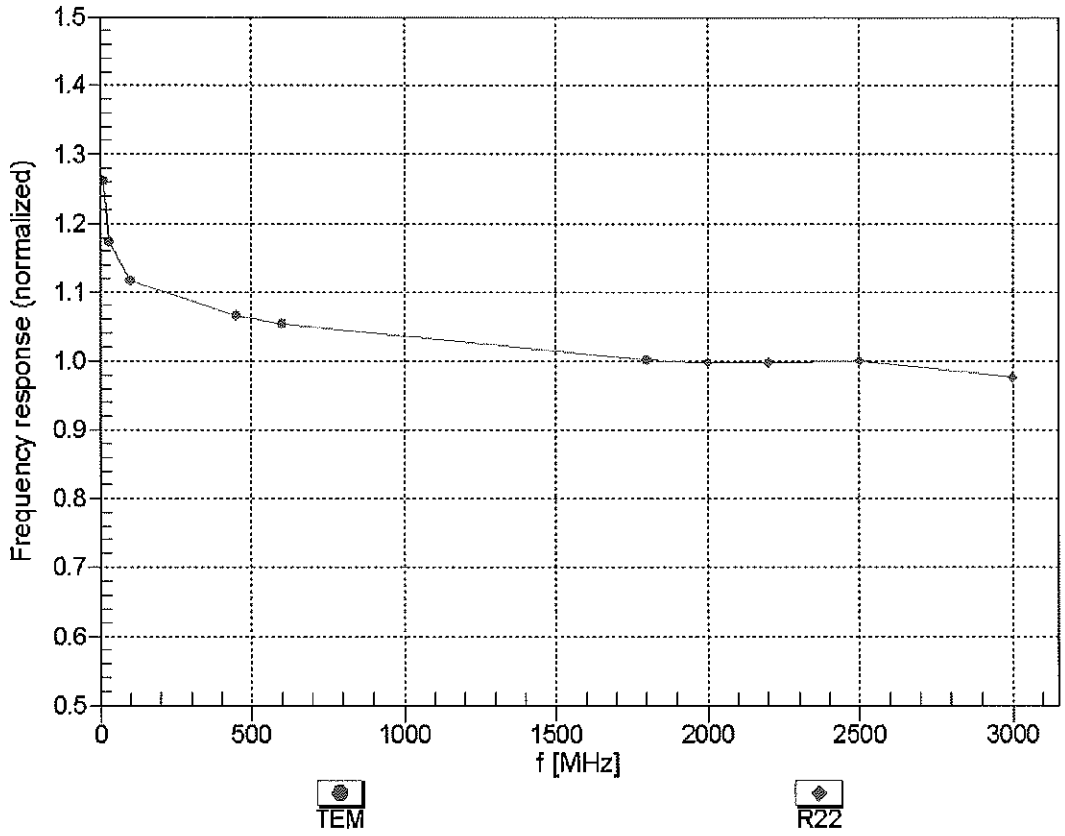
[C] Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz 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.

[F] At frequencies below 3 GHz, the validity of tissue parameters (ε and σ) 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 (ε and σ) is restricted to ± 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

[G] 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 frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.

Frequency Response of E-Field

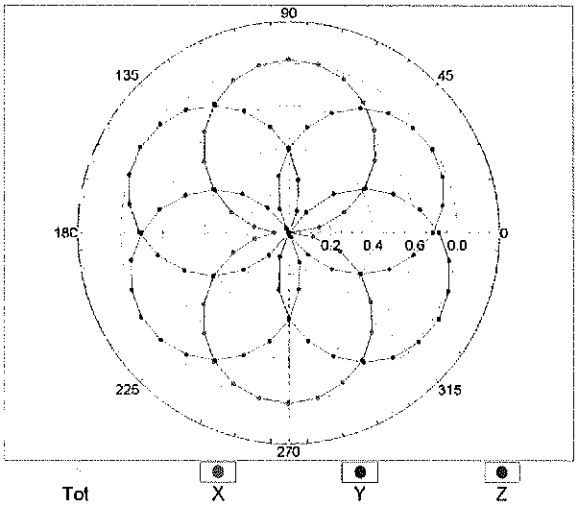
(TEM-Cell:ifi110 EXX, Waveguide: R22)



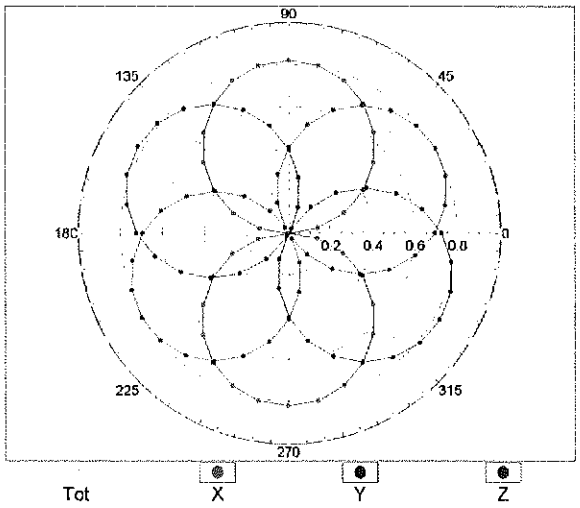
Uncertainty of Frequency Response of E-field: ± 6.3% (k=2)

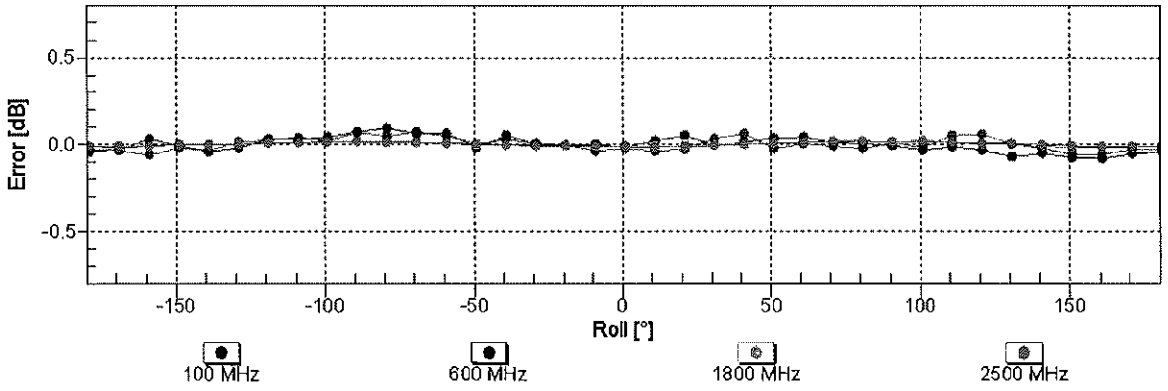
Receiving Pattern (ϕ), ϑ = 0°

f=600 MHz,TEM



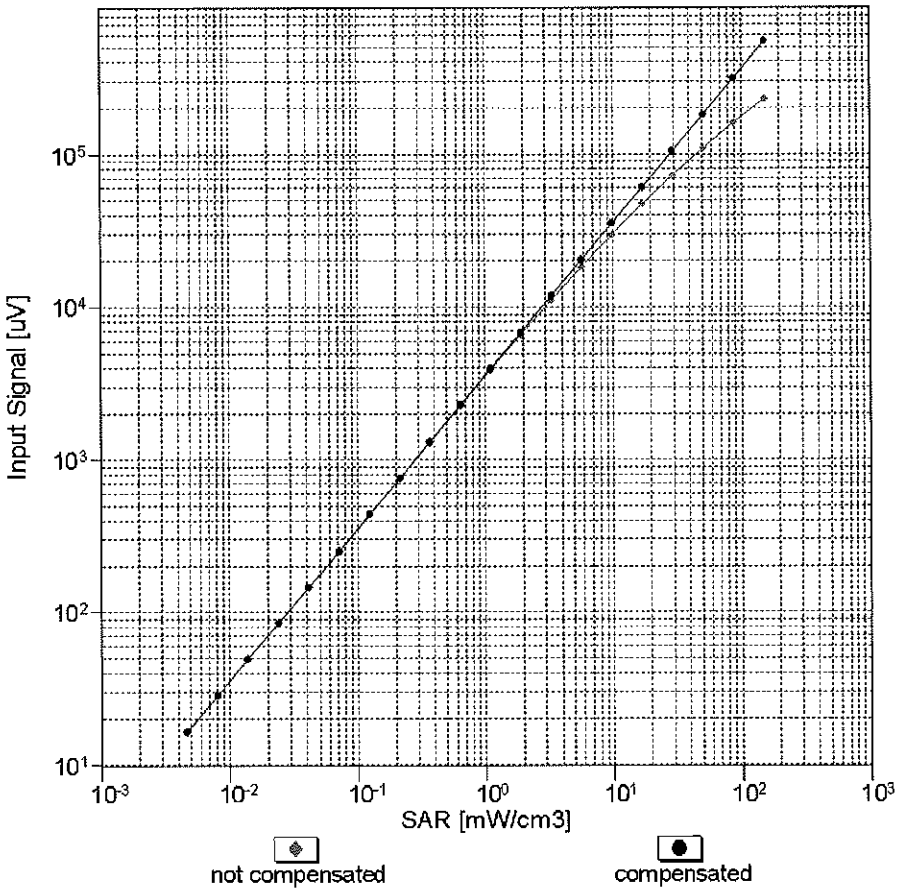
f=1800 MHz,R22

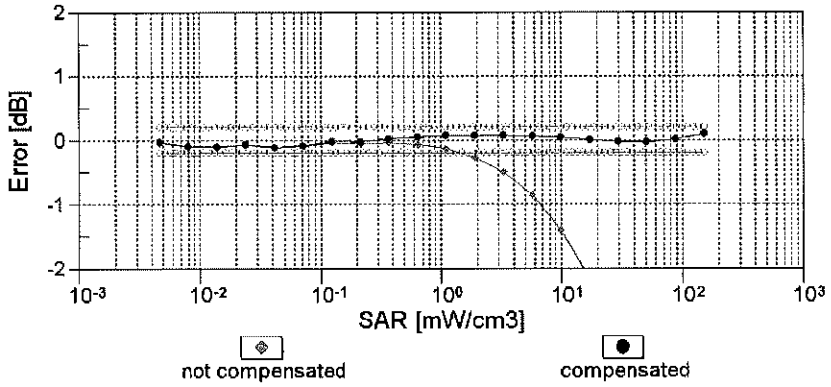




Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

Dynamic Range f(SAR_{head})
(TEM cell , f_{eval}= 1900 MHz)

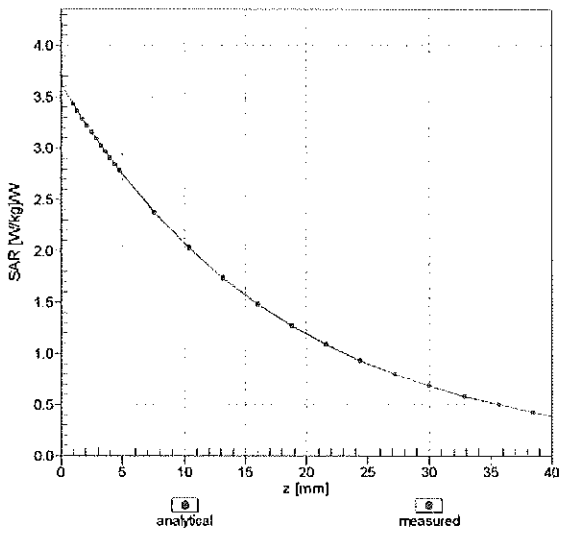




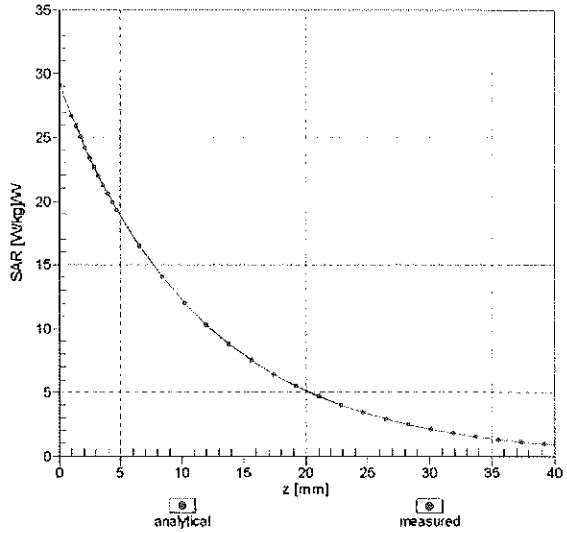
Uncertainty of Linearity Assessment: ± 0.6% (k=2)

Conversion Factor Assessment

f = 835 MHz,WGLS R9 (H_convF)

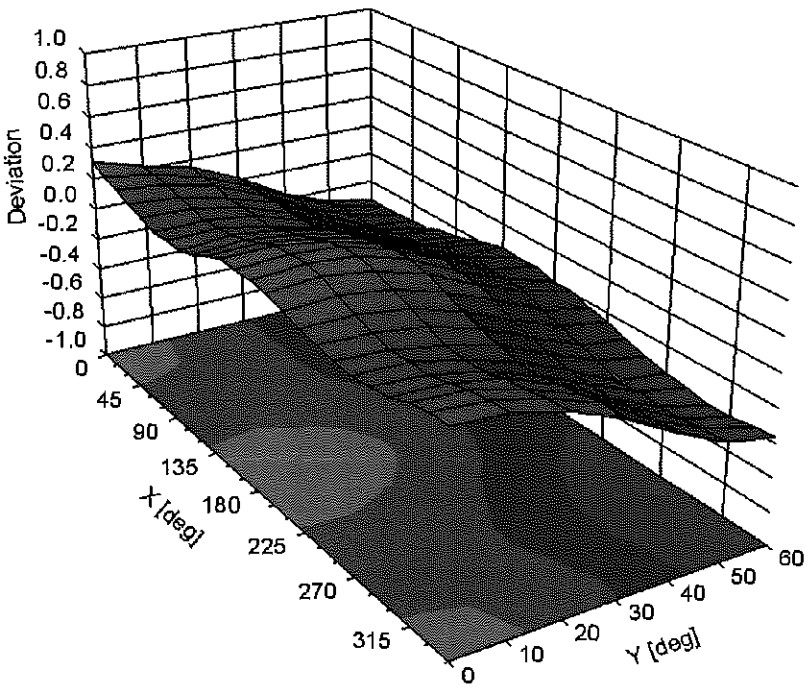


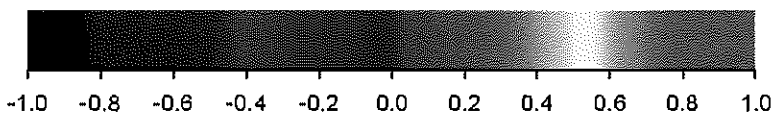
f = 1900 MHz,WGLS R22 (H_convF)



Deviation from Isotropy in Liquid

Error (ϕ, ϑ), f = 900 MHz





Uncertainty of Spherical Isotropy Assessment: ± 2.6% (k=2)

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7491

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	110.9
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm

Appendix: Modulation Calibration Parameters

UID	Communication System Name		A dB	B dB√μV	C	D dB	VR mV	Max Unc^E (k=2)
0	CW	X	0.00	0.00	1.00	0.00	150.4	± 3.3 %
		Y	0.00	0.00	1.00		146.8	
		Z	0.00	0.00	1.00		158.3	
10010-CAA	SAR Validation (Square, 100ms, 10ms)	X	1.34	61.83	7.07	10.00	20.0	± 9.6 %
		Y	1.58	62.93	8.08		20.0	
		Z	1.36	61.75	7.02		20.0	
10011-CAB	UMTS-FDD (WCDMA)	X	1.10	69.86	16.50	0.00	150.0	± 9.6 %
		Y	0.84	64.59	13.11		150.0	
		Z	0.95	67.18	14.87		150.0	
10012-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	X	1.13	64.17	15.58	0.41	150.0	± 9.6 %
		Y	1.05	62.41	14.09		150.0	
		Z	1.10	63.39	14.82		150.0	
10013-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	X	4.65	66.79	17.11	1.46	150.0	± 9.6 %
		Y	4.73	66.33	16.86		150.0	
		Z	4.57	66.64	16.86		150.0	
10021-DAC	GSM-FDD (TDMA, GMSK)	X	100.00	103.89	21.71	9.39	50.0	± 9.6 %
		Y	100.00	108.73	24.23		50.0	
		Z	26.33	90.02	18.11		50.0	
10023-DAC	GPRS-FDD (TDMA, GMSK, TN 0)	X	100.00	103.35	21.52	9.57	50.0	± 9.6 %
		Y	100.00	108.19	24.05		50.0	
		Z	8.05	78.49	14.82		50.0	
10024-DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	X	100.00	103.76	20.63	6.56	60.0	± 9.6 %
		Y	100.00	108.89	23.12		60.0	
		Z	100.00	101.52	19.56		60.0	
10025-DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	X	7.71	95.52	39.83	12.57	50.0	± 9.6 %
		Y	3.82	69.58	26.35		50.0	
		Z	5.34	82.06	33.11		50.0	
10026-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	X	6.67	89.14	32.86	9.56	60.0	± 9.6 %
		Y	6.11	84.79	30.60		60.0	
		Z	5.40	83.14	30.03		60.0	
10027-DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	X	100.00	105.72	20.77	4.80	80.0	± 9.6 %
		Y	100.00	109.47	22.55		80.0	
		Z	100.00	102.59	19.31		80.0	
10028-DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	X	100.00	109.66	21.79	3.55	100.0	± 9.6 %
		Y	100.00	109.26	21.76		100.0	
		Z	100.00	105.24	19.82		100.0	
10029-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	X	4.10	76.83	26.30	7.80	80.0	± 9.6 %
		Y	4.05	75.26	25.26		80.0	
		Z	3.61	73.61	24.52		80.0	
10030-CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	X	100.00	101.83	19.37	5.30	70.0	± 9.6 %
		Y	100.00	106.78	21.72		70.0	
		Z	100.00	99.08	18.07		70.0	
10031-CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	X	100.00	99.29	16.49	1.88	100.0	± 9.6 %
		Y	0.43	63.88	6.46		100.0	
		Z	100.00	95.02	14.71		100.0	

10032-CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	X	100.00	103.35	17.34	1.17	100.0	± 9.6 %
		Y	0.14	60.00	3.51		100.0	
		Z	100.00	98.56	15.49		100.0	
10033-CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	X	15.94	99.69	25.70	5.30	70.0	± 9.6 %
		Y	8.86	93.04	24.94		70.0	
		Z	4.54	80.85	19.18		70.0	
10034-CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	X	2.96	77.85	17.14	1.88	100.0	± 9.6 %
		Y	1.73	70.99	15.19		100.0	
		Z	1.45	68.86	12.96		100.0	
10035-CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	X	1.93	73.49	15.25	1.17	100.0	± 9.6 %
		Y	1.24	67.47	13.23		100.0	
		Z	1.14	67.01	11.91		100.0	
10036-CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	X	33.38	110.64	28.65	5.30	70.0	± 9.6 %
		Y	14.03	100.51	27.24		70.0	
		Z	5.92	84.73	20.56		70.0	
10037-CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	X	2.49	75.90	16.43	1.88	100.0	± 9.6 %
		Y	1.61	70.25	14.86		100.0	
		Z	1.32	67.93	12.55		100.0	
10038-CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	X	1.97	74.03	15.61	1.17	100.0	± 9.6 %
		Y	1.24	67.69	13.45		100.0	
		Z	1.14	67.23	12.15		100.0	
10039-CAB	CDMA2000 (1xRTT, RC1)	X	1.69	72.14	14.31	0.00	150.0	± 9.6 %
		Y	1.13	65.88	11.78		150.0	
		Z	1.05	66.64	11.42		150.0	
10042-CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	X	99.80	100.56	19.56	7.78	50.0	± 9.6 %
		Y	100.00	104.61	21.59		50.0	
		Z	2.99	70.61	11.28		50.0	
10044-CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	X	0.00	110.68	3.82	0.00	150.0	± 9.6 %
		Y	0.02	125.31	15.46		150.0	
		Z	0.00	100.18	3.88		150.0	
10048-CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	X	5.03	70.28	13.19	13.80	25.0	± 9.6 %
		Y	19.60	86.32	19.47		25.0	
		Z	3.96	67.14	11.88		25.0	
10049-CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	X	6.28	75.19	13.99	10.79	40.0	± 9.6 %
		Y	49.36	98.98	21.95		40.0	
		Z	4.01	70.23	12.03		40.0	
10056-CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	X	100.00	119.24	30.27	9.03	50.0	± 9.6 %
		Y	79.13	119.42	31.62		50.0	
		Z	21.35	96.00	23.74		50.0	
10058-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	X	3.32	72.42	23.38	6.55	100.0	± 9.6 %
		Y	3.31	71.39	22.62		100.0	
		Z	3.02	70.13	22.02		100.0	
10059-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	X	1.13	65.02	16.09	0.61	110.0	± 9.6 %
		Y	1.05	63.09	14.54		110.0	
		Z	1.09	63.96	15.16		110.0	
10060-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	X	100.00	146.09	38.55	1.30	110.0	± 9.6 %
		Y	2.18	83.07	21.15		110.0	
		Z	2.56	86.95	23.01		110.0	

10061-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	X	2.12	78.72	22.19	2.04	110.0	± 9.6 %
		Y	1.64	72.98	19.41		110.0	
		Z	1.52	72.27	19.03		110.0	
10062-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	X	4.48	66.83	16.57	0.49	100.0	± 9.6 %
		Y	4.53	66.30	16.26		100.0	
		Z	4.39	66.67	16.33		100.0	
10063-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	X	4.48	66.91	16.66	0.72	100.0	± 9.6 %
		Y	4.54	66.38	16.35		100.0	
		Z	4.40	66.74	16.41		100.0	
10064-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	X	4.72	67.10	16.85	0.86	100.0	± 9.6 %
		Y	4.82	66.65	16.60		100.0	
		Z	4.63	66.92	16.60		100.0	
10065-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	X	4.58	66.91	16.91	1.21	100.0	± 9.6 %
		Y	4.68	66.51	16.69		100.0	
		Z	4.49	66.71	16.64		100.0	
10066-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	X	4.59	66.89	17.05	1.46	100.0	± 9.6 %
		Y	4.69	66.53	16.86		100.0	
		Z	4.49	66.66	16.76		100.0	
10067-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	X	4.87	67.15	17.52	2.04	100.0	± 9.6 %
		Y	4.98	66.75	17.34		100.0	
		Z	4.76	66.93	17.23		100.0	
10068-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	X	4.88	67.02	17.67	2.55	100.0	± 9.6 %
		Y	5.01	66.72	17.53		100.0	
		Z	4.78	66.80	17.37		100.0	
10069-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	X	4.94	67.05	17.86	2.67	100.0	± 9.6 %
		Y	5.09	66.76	17.74		100.0	
		Z	4.83	66.81	17.55		100.0	
10071-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	X	4.73	66.83	17.38	1.99	100.0	± 9.6 %
		Y	4.81	66.40	17.17		100.0	
		Z	4.65	66.66	17.13		100.0	
10072-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	X	4.68	67.04	17.56	2.30	100.0	± 9.6 %
		Y	4.77	66.65	17.36		100.0	
		Z	4.58	66.82	17.27		100.0	
10073-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	X	4.72	67.18	17.88	2.83	100.0	± 9.6 %
		Y	4.81	66.77	17.68		100.0	
		Z	4.63	66.96	17.58		100.0	
10074-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	X	4.71	67.08	18.01	3.30	100.0	± 9.6 %
		Y	4.79	66.64	17.82		100.0	
		Z	4.63	66.89	17.72		100.0	
10075-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	X	4.72	67.05	18.25	3.82	90.0	± 9.6 %
		Y	4.81	66.68	18.10		90.0	
		Z	4.63	66.84	17.94		90.0	
10076-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	X	4.75	66.90	18.41	4.15	90.0	± 9.6 %
		Y	4.82	66.48	18.23		90.0	
		Z	4.67	66.71	18.11		90.0	
10077-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	X	4.77	66.98	18.52	4.30	90.0	± 9.6 %
		Y	4.85	66.54	18.33		90.0	
		Z	4.69	66.79	18.22		90.0	

10081-CAB	CDMA2000 (1xRTT, RC3)	X	0.70	65.48	10.90	0.00	150.0	± 9.6 %
		Y	0.59	62.19	9.27		150.0	
		Z	0.55	62.91	9.10		150.0	
10082-CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	X	0.63	60.00	2.84	4.77	80.0	± 9.6 %
		Y	0.58	60.00	3.13		80.0	
		Z	20.99	63.47	2.92		80.0	
10090-DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	X	100.00	103.79	20.66	6.56	60.0	± 9.6 %
		Y	100.00	109.00	23.19		60.0	
		Z	100.00	101.52	19.57		60.0	
10097-CAB	UMTS-FDD (HSDPA)	X	1.91	69.67	16.36	0.00	150.0	± 9.6 %
		Y	1.62	65.97	14.31		150.0	
		Z	1.77	68.37	15.43		150.0	
10098-CAB	UMTS-FDD (HSUPA, Subtest 2)	X	1.88	69.64	16.36	0.00	150.0	± 9.6 %
		Y	1.59	65.90	14.26		150.0	
		Z	1.73	68.31	15.40		150.0	
10099-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	X	6.73	89.36	32.94	9.56	60.0	± 9.6 %
		Y	6.15	84.95	30.66		60.0	
		Z	5.44	83.31	30.09		60.0	
10100-CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	3.08	70.94	17.19	0.00	150.0	± 9.6 %
		Y	2.81	68.58	15.67		150.0	
		Z	2.88	69.85	16.58		150.0	
10101-CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	3.13	67.76	16.16	0.00	150.0	± 9.6 %
		Y	3.05	66.58	15.31		150.0	
		Z	3.04	67.27	15.79		150.0	
10102-CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	3.23	67.73	16.24	0.00	150.0	± 9.6 %
		Y	3.16	66.61	15.44		150.0	
		Z	3.14	67.29	15.89		150.0	
10103-CAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	5.24	74.74	20.38	3.98	65.0	± 9.6 %
		Y	4.97	72.97	19.57		65.0	
		Z	4.85	73.48	19.68		65.0	
10104-CAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	5.14	72.01	19.90	3.98	65.0	± 9.6 %
		Y	5.15	71.24	19.54		65.0	
		Z	4.80	70.82	19.17		65.0	
10105-CAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	4.94	70.96	19.71	3.98	65.0	± 9.6 %
		Y	4.80	69.63	19.08		65.0	
		Z	4.76	70.37	19.26		65.0	
10108-CAF	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	2.66	70.35	17.07	0.00	150.0	± 9.6 %
		Y	2.44	67.86	15.47		150.0	
		Z	2.48	69.23	16.39		150.0	
10109-CAF	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	2.78	67.82	16.07	0.00	150.0	± 9.6 %
		Y	2.70	66.35	15.10		150.0	
		Z	2.68	67.26	15.62		150.0	
10110-CAF	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	2.15	69.80	16.67	0.00	150.0	± 9.6 %
		Y	1.95	66.88	14.89		150.0	
		Z	1.97	68.48	15.81		150.0	
10111-CAF	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	2.56	69.31	16.42	0.00	150.0	± 9.6 %
		Y	2.37	66.90	15.11		150.0	
		Z	2.41	68.50	15.76		150.0	

10112-CAF	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	2.91	67.86	16.13	0.00	150.0	± 9.6 %
		Y	2.82	66.42	15.21		150.0	
		Z	2.81	67.36	15.70		150.0	
10113-CAF	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	2.70	69.44	16.52	0.00	150.0	± 9.6 %
		Y	2.52	67.13	15.30		150.0	
		Z	2.55	68.68	15.89		150.0	
10114-CAC	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	X	4.96	67.25	16.56	0.00	150.0	± 9.6 %
		Y	5.01	66.84	16.22		150.0	
		Z	4.89	67.13	16.39		150.0	
10115-CAC	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	X	5.20	67.30	16.58	0.00	150.0	± 9.6 %
		Y	5.27	66.93	16.28		150.0	
		Z	5.12	67.16	16.41		150.0	
10116-CAC	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	X	5.04	67.44	16.58	0.00	150.0	± 9.6 %
		Y	5.09	67.01	16.23		150.0	
		Z	4.96	67.28	16.40		150.0	
10117-CAC	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	X	4.95	67.19	16.55	0.00	150.0	± 9.6 %
		Y	4.97	66.69	16.16		150.0	
		Z	4.87	67.03	16.37		150.0	
10118-CAC	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	X	5.27	67.51	16.69	0.00	150.0	± 9.6 %
		Y	5.35	67.15	16.40		150.0	
		Z	5.19	67.35	16.51		150.0	
10119-CAC	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	X	5.04	67.44	16.59	0.00	150.0	± 9.6 %
		Y	5.08	66.98	16.23		150.0	
		Z	4.97	67.30	16.42		150.0	
10140-CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	3.26	67.76	16.16	0.00	150.0	± 9.6 %
		Y	3.19	66.62	15.35		150.0	
		Z	3.16	67.32	15.80		150.0	
10141-CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	3.38	67.90	16.34	0.00	150.0	± 9.6 %
		Y	3.32	66.77	15.56		150.0	
		Z	3.29	67.50	16.00		150.0	
10142-CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	1.93	70.04	16.11	0.00	150.0	± 9.6 %
		Y	1.69	66.50	14.20		150.0	
		Z	1.71	68.26	14.94		150.0	
10143-CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	2.41	70.07	15.69	0.00	150.0	± 9.6 %
		Y	2.14	66.99	14.32		150.0	
		Z	2.16	68.55	14.60		150.0	
10144-CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	2.01	66.59	13.46	0.00	150.0	± 9.6 %
		Y	1.96	65.02	12.83		150.0	
		Z	1.82	65.43	12.49		150.0	
10145-CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	0.79	61.74	8.30	0.00	150.0	± 9.6 %
		Y	0.89	61.82	8.93		150.0	
		Z	0.67	60.49	7.04		150.0	
10146-CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	1.02	60.90	6.96	0.00	150.0	± 9.6 %
		Y	1.41	62.85	9.13		150.0	
		Z	0.86	60.00	5.90		150.0	
10147-CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	1.08	61.31	7.28	0.00	150.0	± 9.6 %
		Y	1.52	63.66	9.67		150.0	
		Z	0.87	60.00	5.96		150.0	

10149-CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	2.79	67.89	16.12	0.00	150.0	± 9.6 %
		Y	2.70	66.41	15.15		150.0	
		Z	2.69	67.33	15.67		150.0	
10150-CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	2.92	67.92	16.18	0.00	150.0	± 9.6 %
		Y	2.83	66.48	15.25		150.0	
		Z	2.81	67.42	15.75		150.0	
10151-CAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	5.50	77.63	21.63	3.98	65.0	± 9.6 %
		Y	5.18	75.55	20.75		65.0	
		Z	4.81	75.35	20.47		65.0	
10152-CAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	4.69	72.03	19.49	3.98	65.0	± 9.6 %
		Y	4.67	71.10	19.15		65.0	
		Z	4.32	70.65	18.61		65.0	
10153-CAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	5.03	73.08	20.33	3.98	65.0	± 9.6 %
		Y	4.99	72.06	19.96		65.0	
		Z	4.65	71.74	19.48		65.0	
10154-CAF	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	2.19	70.20	16.91	0.00	150.0	± 9.6 %
		Y	1.98	67.20	15.11		150.0	
		Z	2.01	68.83	16.03		150.0	
10155-CAF	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	2.56	69.35	16.45	0.00	150.0	± 9.6 %
		Y	2.37	66.92	15.13		150.0	
		Z	2.42	68.55	15.79		150.0	
10156-CAF	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	1.76	69.95	15.59	0.00	150.0	± 9.6 %
		Y	1.51	66.15	13.66		150.0	
		Z	1.51	67.73	14.15		150.0	
10157-CAF	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	1.82	66.90	13.17	0.00	150.0	± 9.6 %
		Y	1.75	65.08	12.50		150.0	
		Z	1.60	65.31	11.95		150.0	
10158-CAF	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	2.71	69.53	16.58	0.00	150.0	± 9.6 %
		Y	2.53	67.19	15.35		150.0	
		Z	2.57	68.78	15.96		150.0	
10159-CAF	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	1.91	67.25	13.38	0.00	150.0	± 9.6 %
		Y	1.83	65.40	12.72		150.0	
		Z	1.66	65.56	12.11		150.0	
10160-CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	2.68	69.59	16.82	0.00	150.0	± 9.6 %
		Y	2.52	67.43	15.45		150.0	
		Z	2.53	68.66	16.19		150.0	
10161-CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	2.81	67.92	16.07	0.00	150.0	± 9.6 %
		Y	2.72	66.39	15.12		150.0	
		Z	2.70	67.39	15.59		150.0	
10162-CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	2.92	68.14	16.20	0.00	150.0	± 9.6 %
		Y	2.83	66.59	15.27		150.0	
		Z	2.81	67.63	15.75		150.0	
10166-CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	3.26	69.74	19.41	3.01	150.0	± 9.6 %
		Y	3.39	68.99	18.81		150.0	
		Z	3.02	68.53	18.69		150.0	
10167-CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	4.01	73.35	20.11	3.01	150.0	± 9.6 %
		Y	4.09	71.71	19.17		150.0	
		Z	3.52	71.40	19.14		150.0	

10168-CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	4.59	76.27	21.75	3.01	150.0	± 9.6 %
		Y	4.58	74.20	20.63		150.0	
		Z	3.97	74.08	20.73		150.0	
10169-CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	2.66	68.45	18.86	3.01	150.0	± 9.6 %
		Y	2.77	67.93	18.32		150.0	
		Z	2.45	66.96	17.96		150.0	
10170-CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	3.66	75.27	21.65	3.01	150.0	± 9.6 %
		Y	3.69	73.46	20.56		150.0	
		Z	3.08	72.31	20.27		150.0	
10171-AAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	2.97	70.84	18.68	3.01	150.0	± 9.6 %
		Y	3.04	69.43	17.75		150.0	
		Z	2.56	68.54	17.49		150.0	
10172-CAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	4.18	82.75	26.36	6.02	65.0	± 9.6 %
		Y	4.30	80.68	25.32		65.0	
		Z	3.13	76.88	23.63		65.0	
10173-CAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	9.86	96.13	28.68	6.02	65.0	± 9.6 %
		Y	9.48	92.84	27.67		65.0	
		Z	4.73	83.11	23.98		65.0	
10174-CAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	6.74	88.25	25.46	6.02	65.0	± 9.6 %
		Y	6.71	85.70	24.69		65.0	
		Z	4.01	79.63	22.09		65.0	
10175-CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	2.63	68.18	18.63	3.01	150.0	± 9.6 %
		Y	2.74	67.64	18.08		150.0	
		Z	2.43	66.71	17.74		150.0	
10176-CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	3.67	75.30	21.67	3.01	150.0	± 9.6 %
		Y	3.70	73.49	20.57		150.0	
		Z	3.09	72.34	20.28		150.0	
10177-CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	2.65	68.30	18.70	3.01	150.0	± 9.6 %
		Y	2.76	67.77	18.17		150.0	
		Z	2.44	66.81	17.80		150.0	
10178-CAF	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	X	3.64	75.14	21.58	3.01	150.0	± 9.6 %
		Y	3.66	73.30	20.46		150.0	
		Z	3.07	72.22	20.21		150.0	
10179-CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	3.29	72.97	20.05	3.01	150.0	± 9.6 %
		Y	3.33	71.30	19.01		150.0	
		Z	2.79	70.34	18.76		150.0	
10180-CAF	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	X	2.96	70.81	18.65	3.01	150.0	± 9.6 %
		Y	3.03	69.37	17.71		150.0	
		Z	2.56	68.52	17.47		150.0	
10181-CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	2.65	68.29	18.70	3.01	150.0	± 9.6 %
		Y	2.76	67.76	18.16		150.0	
		Z	2.44	66.80	17.80		150.0	
10182-CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	3.64	75.12	21.57	3.01	150.0	± 9.6 %
		Y	3.66	73.28	20.45		150.0	
		Z	3.06	72.19	20.19		150.0	
10183-AAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	2.96	70.78	18.63	3.01	150.0	± 9.6 %
		Y	3.03	69.35	17.70		150.0	
		Z	2.56	68.50	17.46		150.0	

10184-CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	2.65	68.32	18.72	3.01	150.0	± 9.6 %
		Y	2.76	67.80	18.18		150.0	
		Z	2.45	66.83	17.82		150.0	
10185-CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	X	3.66	75.19	21.61	3.01	150.0	± 9.6 %
		Y	3.68	73.35	20.49		150.0	
		Z	3.08	72.26	20.23		150.0	
10186-AAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	X	2.97	70.85	18.67	3.01	150.0	± 9.6 %
		Y	3.04	69.41	17.73		150.0	
		Z	2.57	68.55	17.49		150.0	
10187-CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	2.67	68.40	18.80	3.01	150.0	± 9.6 %
		Y	2.77	67.86	18.25		150.0	
		Z	2.46	66.91	17.90		150.0	
10188-CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	3.77	75.83	21.98	3.01	150.0	± 9.6 %
		Y	3.79	73.98	20.86		150.0	
		Z	3.16	72.79	20.57		150.0	
10189-AAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	3.04	71.27	18.95	3.01	150.0	± 9.6 %
		Y	3.10	69.80	18.00		150.0	
		Z	2.61	68.91	17.74		150.0	
10193-CAC	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	X	4.36	66.94	16.27	0.00	150.0	± 9.6 %
		Y	4.38	66.23	15.84		150.0	
		Z	4.30	66.83	16.07		150.0	
10194-CAC	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	X	4.51	67.17	16.41	0.00	150.0	± 9.6 %
		Y	4.54	66.52	15.98		150.0	
		Z	4.43	67.04	16.21		150.0	
10195-CAC	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	X	4.54	67.18	16.42	0.00	150.0	± 9.6 %
		Y	4.58	66.56	16.00		150.0	
		Z	4.46	67.04	16.22		150.0	
10196-CAC	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	X	4.35	66.93	16.26	0.00	150.0	± 9.6 %
		Y	4.38	66.27	15.85		150.0	
		Z	4.28	66.81	16.05		150.0	
10197-CAC	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	X	4.51	67.17	16.41	0.00	150.0	± 9.6 %
		Y	4.55	66.54	15.99		150.0	
		Z	4.43	67.04	16.21		150.0	
10198-CAC	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	X	4.53	67.18	16.42	0.00	150.0	± 9.6 %
		Y	4.58	66.57	16.01		150.0	
		Z	4.45	67.04	16.22		150.0	
10219-CAC	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	X	4.30	66.98	16.24	0.00	150.0	± 9.6 %
		Y	4.33	66.28	15.81		150.0	
		Z	4.23	66.86	16.03		150.0	
10220-CAC	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	X	4.50	67.13	16.40	0.00	150.0	± 9.6 %
		Y	4.55	66.51	15.98		150.0	
		Z	4.43	67.00	16.20		150.0	
10221-CAC	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	X	4.55	67.12	16.41	0.00	150.0	± 9.6 %
		Y	4.59	66.51	16.00		150.0	
		Z	4.47	66.99	16.21		150.0	
10222-CAC	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	X	4.92	67.18	16.53	0.00	150.0	± 9.6 %
		Y	4.95	66.69	16.15		150.0	
		Z	4.85	67.04	16.36		150.0	

10223-CAC	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	X	5.18	67.36	16.63	0.00	150.0	± 9.6 %
		Y	5.25	66.97	16.32		150.0	
		Z	5.09	67.17	16.43		150.0	
10224-CAC	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	X	4.96	67.29	16.51	0.00	150.0	± 9.6 %
		Y	4.98	66.79	16.13		150.0	
		Z	4.89	67.16	16.35		150.0	
10225-CAB	UMTS-FDD (HSPA+)	X	2.66	66.63	15.19	0.00	150.0	± 9.6 %
		Y	2.62	65.33	14.56		150.0	
		Z	2.57	66.18	14.66		150.0	
10226-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	10.77	97.88	29.33	6.02	65.0	± 9.6 %
		Y	10.19	94.28	28.24		65.0	
		Z	5.01	84.20	24.48		65.0	
10227-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	10.74	96.09	27.95	6.02	65.0	± 9.6 %
		Y	10.37	93.13	27.16		65.0	
		Z	4.96	83.01	23.31		65.0	
10228-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	4.87	86.06	27.65	6.02	65.0	± 9.6 %
		Y	5.45	85.87	27.38		65.0	
		Z	3.29	77.92	24.09		65.0	
10229-CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	X	9.95	96.25	28.72	6.02	65.0	± 9.6 %
		Y	9.56	92.96	27.71		65.0	
		Z	4.76	83.20	24.02		65.0	
10230-CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	X	9.77	94.37	27.34	6.02	65.0	± 9.6 %
		Y	9.64	91.75	26.64		65.0	
		Z	4.66	81.93	22.85		65.0	
10231-CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	4.69	85.20	27.25	6.02	65.0	± 9.6 %
		Y	5.24	85.03	26.99		65.0	
		Z	3.19	77.30	23.76		65.0	
10232-CAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	X	9.93	96.23	28.72	6.02	65.0	± 9.6 %
		Y	9.54	92.93	27.70		65.0	
		Z	4.76	83.19	24.02		65.0	
10233-CAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	X	9.73	94.32	27.33	6.02	65.0	± 9.6 %
		Y	9.60	91.71	26.63		65.0	
		Z	4.65	81.89	22.84		65.0	
10234-CAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	4.55	84.53	26.87	6.02	65.0	± 9.6 %
		Y	5.09	84.33	26.61		65.0	
		Z	3.13	76.83	23.44		65.0	
10235-CAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	9.95	96.29	28.74	6.02	65.0	± 9.6 %
		Y	9.55	92.97	27.72		65.0	
		Z	4.76	83.21	24.03		65.0	
10236-CAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	9.91	94.59	27.40	6.02	65.0	± 9.6 %
		Y	9.74	91.91	26.69		65.0	
		Z	4.70	82.06	22.89		65.0	
10237-CAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	4.68	85.24	27.27	6.02	65.0	± 9.6 %
		Y	5.24	85.07	27.01		65.0	
		Z	3.19	77.31	23.77		65.0	
10238-CAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	9.90	96.21	28.71	6.02	65.0	± 9.6 %
		Y	9.52	92.90	27.69		65.0	
		Z	4.74	83.16	24.01		65.0	

10239-CAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	9.68	94.26	27.32	6.02	65.0	± 9.6 %
		Y	9.56	91.66	26.61		65.0	
		Z	4.63	81.85	22.83		65.0	
10240-CAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	4.67	85.21	27.26	6.02	65.0	± 9.6 %
		Y	5.23	85.02	26.99		65.0	
		Z	3.18	77.30	23.76		65.0	
10241-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	6.80	81.39	25.80	6.98	65.0	± 9.6 %
		Y	6.69	78.79	24.70		65.0	
		Z	5.79	78.45	24.38		65.0	
10242-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	6.26	79.71	25.05	6.98	65.0	± 9.6 %
		Y	5.96	76.36	23.58		65.0	
		Z	5.52	77.59	23.96		65.0	
10243-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	4.99	75.34	24.14	6.98	65.0	± 9.6 %
		Y	4.91	72.91	22.91		65.0	
		Z	4.65	74.20	23.42		65.0	
10244-CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	3.39	69.24	14.20	3.98	65.0	± 9.6 %
		Y	4.36	72.64	16.92		65.0	
		Z	2.62	66.00	12.07		65.0	
10245-CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	3.29	68.57	13.83	3.98	65.0	± 9.6 %
		Y	4.24	71.91	16.54		65.0	
		Z	2.58	65.59	11.80		65.0	
10246-CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	3.44	73.33	16.69	3.98	65.0	± 9.6 %
		Y	3.71	74.16	17.87		65.0	
		Z	2.50	68.87	14.20		65.0	
10247-CAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	3.59	70.57	16.25	3.98	65.0	± 9.6 %
		Y	3.77	70.80	17.09		65.0	
		Z	3.05	68.22	14.66		65.0	
10248-CAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	3.53	69.86	15.91	3.98	65.0	± 9.6 %
		Y	3.77	70.27	16.82		65.0	
		Z	3.03	67.66	14.38		65.0	
10249-CAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	5.15	79.98	20.81	3.98	65.0	± 9.6 %
		Y	4.72	77.98	20.57		65.0	
		Z	3.76	74.94	18.36		65.0	
10250-CAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	4.66	74.40	20.29	3.98	65.0	± 9.6 %
		Y	4.57	73.23	20.07		65.0	
		Z	4.18	72.55	19.13		65.0	
10251-CAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	4.41	72.16	18.86	3.98	65.0	± 9.6 %
		Y	4.43	71.37	18.81		65.0	
		Z	3.97	70.48	17.75		65.0	
10252-CAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	5.61	80.70	22.65	3.98	65.0	± 9.6 %
		Y	5.05	77.80	21.64		65.0	
		Z	4.58	77.18	20.94		65.0	
10253-CAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	4.62	71.66	19.21	3.98	65.0	± 9.6 %
		Y	4.60	70.68	18.91		65.0	
		Z	4.27	70.36	18.33		65.0	
10254-CAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	4.92	72.56	19.92	3.98	65.0	± 9.6 %
		Y	4.89	71.55	19.63		65.0	
		Z	4.55	71.27	19.06		65.0	

10255-CAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	5.21	76.84	21.45	3.98	65.0	± 9.6 %
		Y	4.93	74.79	20.63		65.0	
		Z	4.60	74.68	20.30		65.0	
10256-CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	2.27	64.22	10.38	3.98	65.0	± 9.6 %
		Y	3.13	67.86	13.52		65.0	
		Z	1.86	62.36	8.79		65.0	
10257-CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	2.23	63.73	10.01	3.98	65.0	± 9.6 %
		Y	3.04	67.13	13.05		65.0	
		Z	1.85	62.05	8.52		65.0	
10258-CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	2.12	66.29	12.19	3.98	65.0	± 9.6 %
		Y	2.63	68.85	14.46		65.0	
		Z	1.69	63.73	10.31		65.0	
10259-CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	4.04	72.27	17.85	3.98	65.0	± 9.6 %
		Y	4.10	71.83	18.23		65.0	
		Z	3.51	70.05	16.39		65.0	
10260-CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	4.06	71.92	17.67	3.98	65.0	± 9.6 %
		Y	4.14	71.59	18.11		65.0	
		Z	3.54	69.80	16.26		65.0	
10261-CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	5.08	79.44	21.23	3.98	65.0	± 9.6 %
		Y	4.62	77.05	20.68		65.0	
		Z	3.97	75.34	19.17		65.0	
10262-CAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	4.64	74.33	20.23	3.98	65.0	± 9.6 %
		Y	4.56	73.18	20.02		65.0	
		Z	4.16	72.47	19.07		65.0	
10263-CAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	4.40	72.13	18.85	3.98	65.0	± 9.6 %
		Y	4.42	71.34	18.80		65.0	
		Z	3.96	70.46	17.74		65.0	
10264-CAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	5.54	80.46	22.53	3.98	65.0	± 9.6 %
		Y	5.00	77.61	21.54		65.0	
		Z	4.54	76.98	20.83		65.0	
10265-CAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	4.68	72.03	19.49	3.98	65.0	± 9.6 %
		Y	4.67	71.10	19.16		65.0	
		Z	4.32	70.66	18.61		65.0	
10266-CAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	5.03	73.07	20.32	3.98	65.0	± 9.6 %
		Y	4.99	72.05	19.95		65.0	
		Z	4.65	71.73	19.47		65.0	
10267-CAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	5.49	77.58	21.60	3.98	65.0	± 9.6 %
		Y	5.17	75.51	20.73		65.0	
		Z	4.81	75.30	20.45		65.0	
10268-CAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	5.31	72.01	19.97	3.98	65.0	± 9.6 %
		Y	5.31	71.19	19.61		65.0	
		Z	4.98	70.92	19.27		65.0	
10269-CAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	5.33	71.64	19.83	3.98	65.0	± 9.6 %
		Y	5.32	70.82	19.49		65.0	
		Z	5.01	70.63	19.17		65.0	
10270-CAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	5.42	74.57	20.50	3.98	65.0	± 9.6 %
		Y	5.27	73.21	19.87		65.0	
		Z	4.97	73.14	19.70		65.0	

10274-CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	X	2.53	67.41	15.35	0.00	150.0	± 9.6 %
		Y	2.41	65.60	14.41		150.0	
		Z	2.42	66.84	14.77		150.0	
10275-CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	X	1.65	69.68	16.30	0.00	150.0	± 9.6 %
		Y	1.38	65.75	13.95		150.0	
		Z	1.48	67.93	15.18		150.0	
10277-CAA	PHS (QPSK)	X	1.26	58.91	4.09	9.03	50.0	± 9.6 %
		Y	1.56	59.91	5.41		50.0	
		Z	1.20	58.49	3.63		50.0	
10278-CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	X	2.42	64.72	10.06	9.03	50.0	± 9.6 %
		Y	3.46	69.25	13.34		50.0	
		Z	2.18	63.34	8.95		50.0	
10279-CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	X	2.50	65.01	10.28	9.03	50.0	± 9.6 %
		Y	3.59	69.64	13.59		50.0	
		Z	2.24	63.55	9.13		50.0	
10290-AAB	CDMA2000, RC1, SO55, Full Rate	X	1.10	66.98	11.77	0.00	150.0	± 9.6 %
		Y	0.97	64.13	10.63		150.0	
		Z	0.82	63.94	9.79		150.0	
10291-AAB	CDMA2000, RC3, SO55, Full Rate	X	0.68	65.20	10.74	0.00	150.0	± 9.6 %
		Y	0.58	62.08	9.19		150.0	
		Z	0.54	62.76	9.00		150.0	
10292-AAB	CDMA2000, RC3, SO32, Full Rate	X	1.41	74.35	15.09	0.00	150.0	± 9.6 %
		Y	0.64	63.89	10.50		150.0	
		Z	0.74	66.77	11.39		150.0	
10293-AAB	CDMA2000, RC3, SO3, Full Rate	X	29.38	111.39	26.24	0.00	150.0	± 9.6 %
		Y	0.83	66.81	12.42		150.0	
		Z	1.83	77.13	16.03		150.0	
10295-AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	X	22.91	98.36	26.23	9.03	50.0	± 9.6 %
		Y	12.18	90.45	25.14		50.0	
		Z	17.79	92.67	23.76		50.0	
10297-AAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	2.67	70.47	17.15	0.00	150.0	± 9.6 %
		Y	2.45	67.95	15.53		150.0	
		Z	2.49	69.33	16.47		150.0	
10298-AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	1.24	66.33	12.26	0.00	150.0	± 9.6 %
		Y	1.18	64.26	11.46		150.0	
		Z	1.02	64.03	10.60		150.0	
10299-AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	1.64	64.98	10.49	0.00	150.0	± 9.6 %
		Y	2.00	66.27	12.01		150.0	
		Z	1.26	62.57	8.71		150.0	
10300-AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	1.26	61.78	8.09	0.00	150.0	± 9.6 %
		Y	1.59	63.07	9.68		150.0	
		Z	1.05	60.58	6.91		150.0	
10301-AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	X	4.39	65.54	17.37	4.17	50.0	± 9.6 %
		Y	4.53	65.00	17.08		50.0	
		Z	4.11	64.57	16.69		50.0	
10302-AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols)	X	4.79	65.79	17.90	4.96	50.0	± 9.6 %
		Y	4.96	65.41	17.67		50.0	
		Z	4.63	65.39	17.52		50.0	

10303-AAA	IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	X	4.53	65.36	17.66	4.96	50.0	± 9.6 %
		Y	4.70	64.98	17.46		50.0	
		Z	4.38	64.98	17.27		50.0	
10304-AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	X	4.38	65.39	17.23	4.17	50.0	± 9.6 %
		Y	4.53	64.89	16.97		50.0	
		Z	4.23	65.02	16.87		50.0	
10305-AAA	IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)	X	3.76	65.93	18.22	6.02	35.0	± 9.6 %
		Y	4.01	66.05	18.49		35.0	
		Z	3.58	65.17	17.48		35.0	
10306-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)	X	4.18	65.57	18.28	6.02	35.0	± 9.6 %
		Y	4.41	65.53	18.38		35.0	
		Z	4.02	65.02	17.72		35.0	
10307-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)	X	4.04	65.50	18.13	6.02	35.0	± 9.6 %
		Y	4.28	65.55	18.28		35.0	
		Z	3.88	64.91	17.55		35.0	
10308-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	X	4.02	65.66	18.27	6.02	35.0	± 9.6 %
		Y	4.25	65.71	18.40		35.0	
		Z	3.85	65.05	17.67		35.0	
10309-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols)	X	4.20	65.65	18.38	6.02	35.0	± 9.6 %
		Y	4.45	65.69	18.51		35.0	
		Z	4.03	65.07	17.79		35.0	
10310-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)	X	4.12	65.58	18.25	6.02	35.0	± 9.6 %
		Y	4.35	65.54	18.34		35.0	
		Z	3.96	65.03	17.69		35.0	
10311-AAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	3.03	69.56	16.72	0.00	150.0	± 9.6 %
		Y	2.79	67.30	15.28		150.0	
		Z	2.85	68.56	16.14		150.0	
10313-AAA	iDEN 1:3	X	2.69	72.96	16.14	6.99	70.0	± 9.6 %
		Y	2.22	69.97	14.93		70.0	
		Z	2.03	69.45	14.60		70.0	
10314-AAA	iDEN 1:6	X	4.98	84.30	23.43	10.00	30.0	± 9.6 %
		Y	3.76	78.85	21.43		30.0	
		Z	3.48	78.21	21.09		30.0	
10315-AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	X	1.05	64.29	15.62	0.17	150.0	± 9.6 %
		Y	0.97	62.31	13.94		150.0	
		Z	1.03	63.50	14.84		150.0	
10316-AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	X	4.38	66.85	16.35	0.17	150.0	± 9.6 %
		Y	4.43	66.27	16.00		150.0	
		Z	4.30	66.68	16.12		150.0	
10317-AAC	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	X	4.38	66.85	16.35	0.17	150.0	± 9.6 %
		Y	4.43	66.27	16.00		150.0	
		Z	4.30	66.68	16.12		150.0	
10400-AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	X	4.47	67.19	16.39	0.00	150.0	± 9.6 %
		Y	4.52	66.56	15.97		150.0	
		Z	4.37	67.01	16.17		150.0	
10401-AAD	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	X	5.12	66.93	16.38	0.00	150.0	± 9.6 %
		Y	5.29	66.93	16.27		150.0	
		Z	5.04	66.77	16.19		150.0	

10402-AAD	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	X	5.47	67.49	16.54	0.00	150.0	± 9.6 %
		Y	5.51	67.07	16.21		150.0	
		Z	5.41	67.37	16.39		150.0	
10403-AAB	CDMA2000 (1xEV-DO, Rev. 0)	X	1.10	66.98	11.77	0.00	115.0	± 9.6 %
		Y	0.97	64.13	10.63		115.0	
		Z	0.82	63.94	9.79		115.0	
10404-AAB	CDMA2000 (1xEV-DO, Rev. A)	X	1.10	66.98	11.77	0.00	115.0	± 9.6 %
		Y	0.97	64.13	10.63		115.0	
		Z	0.82	63.94	9.79		115.0	
10406-AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	X	100.00	116.47	27.13	0.00	100.0	± 9.6 %
		Y	29.77	103.98	25.46		100.0	
		Z	100.00	114.71	26.02		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	100.00	126.17	31.03	3.23	80.0	± 9.6 %
		Y	87.88	124.76	31.39		80.0	
		Z	4.36	84.82	20.04		80.0	
10415-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	X	1.01	63.77	15.21	0.00	150.0	± 9.6 %
		Y	0.92	61.81	13.48		150.0	
		Z	0.99	63.12	14.51		150.0	
10416-AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	X	4.36	66.92	16.34	0.00	150.0	± 9.6 %
		Y	4.38	66.26	15.92		150.0	
		Z	4.28	66.79	16.14		150.0	
10417-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	X	4.36	66.92	16.34	0.00	150.0	± 9.6 %
		Y	4.38	66.26	15.92		150.0	
		Z	4.28	66.79	16.14		150.0	
10418-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	X	4.36	67.14	16.41	0.00	150.0	± 9.6 %
		Y	4.37	66.43	15.94		150.0	
		Z	4.28	67.01	16.20		150.0	
10419-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule)	X	4.37	67.06	16.39	0.00	150.0	± 9.6 %
		Y	4.39	66.38	15.94		150.0	
		Z	4.30	66.93	16.18		150.0	
10422-AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	X	4.47	67.03	16.39	0.00	150.0	± 9.6 %
		Y	4.51	66.38	15.97		150.0	
		Z	4.40	66.91	16.20		150.0	
10423-AAB	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	X	4.60	67.29	16.48	0.00	150.0	± 9.6 %
		Y	4.65	66.67	16.07		150.0	
		Z	4.51	67.15	16.28		150.0	
10424-AAB	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	X	4.53	67.24	16.46	0.00	150.0	± 9.6 %
		Y	4.58	66.62	16.04		150.0	
		Z	4.45	67.09	16.25		150.0	
10425-AAB	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	X	5.15	67.39	16.63	0.00	150.0	± 9.6 %
		Y	5.21	66.96	16.29		150.0	
		Z	5.07	67.22	16.44		150.0	
10426-AAB	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	X	5.18	67.50	16.67	0.00	150.0	± 9.6 %
		Y	5.23	67.07	16.34		150.0	
		Z	5.09	67.33	16.49		150.0	

10427-AAB	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	X	5.13	67.26	16.55	0.00	150.0	± 9.6 %
		Y	5.22	66.97	16.29		150.0	
		Z	5.06	67.12	16.38		150.0	
10430-AAC	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	X	4.22	72.38	18.43	0.00	150.0	± 9.6 %
		Y	4.01	70.26	17.57		150.0	
		Z	4.13	72.22	18.07		150.0	
10431-AAC	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	X	3.98	67.59	16.25	0.00	150.0	± 9.6 %
		Y	4.01	66.71	15.78		150.0	
		Z	3.88	67.37	15.95		150.0	
10432-AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	X	4.30	67.37	16.40	0.00	150.0	± 9.6 %
		Y	4.34	66.64	15.95		150.0	
		Z	4.21	67.21	16.16		150.0	
10433-AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	X	4.55	67.28	16.48	0.00	150.0	± 9.6 %
		Y	4.59	66.65	16.06		150.0	
		Z	4.47	67.13	16.28		150.0	
10434-AAA	W-CDMA (BS Test Model 1, 64 DPCH)	X	4.35	73.32	18.24	0.00	150.0	± 9.6 %
		Y	4.05	70.87	17.35		150.0	
		Z	4.17	72.84	17.69		150.0	
10435-AAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	125.82	30.87	3.23	80.0	± 9.6 %
		Y	73.81	122.13	30.75		80.0	
		Z	4.08	83.85	19.66		80.0	
10447-AAC	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	3.23	67.50	15.15	0.00	150.0	± 9.6 %
		Y	3.25	66.39	14.73		150.0	
		Z	3.08	66.97	14.58		150.0	
10448-AAC	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	X	3.85	67.40	16.13	0.00	150.0	± 9.6 %
		Y	3.87	66.48	15.63		150.0	
		Z	3.75	67.17	15.83		150.0	
10449-AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	X	4.14	67.21	16.30	0.00	150.0	± 9.6 %
		Y	4.16	66.45	15.83		150.0	
		Z	4.06	67.04	16.07		150.0	
10450-AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	4.35	67.06	16.34	0.00	150.0	± 9.6 %
		Y	4.37	66.40	15.90		150.0	
		Z	4.28	66.91	16.14		150.0	
10451-AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	X	3.03	67.26	14.38	0.00	150.0	± 9.6 %
		Y	3.08	66.30	14.14		150.0	
		Z	2.83	66.49	13.65		150.0	
10456-AAB	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	X	6.07	67.88	16.76	0.00	150.0	± 9.6 %
		Y	6.13	67.63	16.53		150.0	
		Z	6.01	67.74	16.60		150.0	
10457-AAA	UMTS-FDD (DC-HSDPA)	X	3.71	65.66	16.08	0.00	150.0	± 9.6 %
		Y	3.69	64.94	15.62		150.0	
		Z	3.67	65.60	15.88		150.0	
10458-AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	X	3.75	71.45	16.82	0.00	150.0	± 9.6 %
		Y	3.64	69.80	16.44		150.0	
		Z	3.40	70.10	15.76		150.0	
10459-AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	X	4.81	69.03	17.82	0.00	150.0	± 9.6 %
		Y	4.90	68.30	17.81		150.0	
		Z	4.64	68.70	17.34		150.0	

10460-AAA	UMTS-FDD (WCDMA, AMR)	X	1.03	71.85	17.93	0.00	150.0	± 9.6 %
		Y	0.71	64.78	13.50		150.0	
		Z	0.86	68.25	15.84		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	131.71	33.64	3.29	80.0	± 9.6 %
		Y	32.60	114.44	30.12		80.0	
		Z	1.88	75.83	18.17		80.0	
10462-AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	0.65	60.00	7.39	3.23	80.0	± 9.6 %
		Y	1.20	63.97	10.37		80.0	
		Z	0.61	60.00	6.84		80.0	
10463-AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.68	60.00	6.65	3.23	80.0	± 9.6 %
		Y	0.82	60.05	7.89		80.0	
		Z	0.64	60.00	6.09		80.0	
10464-AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	127.54	31.55	3.23	80.0	± 9.6 %
		Y	24.98	108.46	27.80		80.0	
		Z	1.39	71.68	15.85		80.0	
10465-AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	0.66	60.00	7.31	3.23	80.0	± 9.6 %
		Y	1.08	62.87	9.80		80.0	
		Z	0.61	60.00	6.76		80.0	
10466-AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.68	60.00	6.60	3.23	80.0	± 9.6 %
		Y	0.81	60.00	7.80		80.0	
		Z	0.65	60.00	6.05		80.0	
10467-AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	128.04	31.77	3.23	80.0	± 9.6 %
		Y	33.02	112.47	28.81		80.0	
		Z	1.47	72.51	16.23		80.0	
10468-AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	0.65	60.00	7.33	3.23	80.0	± 9.6 %
		Y	1.11	63.17	9.96		80.0	
		Z	0.61	60.00	6.79		80.0	
10469-AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.68	60.00	6.60	3.23	80.0	± 9.6 %
		Y	0.81	60.00	7.80		80.0	
		Z	0.65	60.00	6.05		80.0	
10470-AAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	128.07	31.77	3.23	80.0	± 9.6 %
		Y	33.76	112.80	28.88		80.0	
		Z	1.47	72.53	16.23		80.0	
10471-AAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	0.65	60.00	7.32	3.23	80.0	± 9.6 %
		Y	1.10	63.10	9.91		80.0	
		Z	0.61	60.00	6.77		80.0	
10472-AAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.68	60.00	6.58	3.23	80.0	± 9.6 %
		Y	0.81	60.00	7.79		80.0	
		Z	0.65	60.00	6.03		80.0	
10473-AAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	128.02	31.75	3.23	80.0	± 9.6 %
		Y	33.47	112.65	28.84		80.0	
		Z	1.47	72.48	16.20		80.0	
10474-AAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	0.65	60.00	7.31	3.23	80.0	± 9.6 %
		Y	1.09	63.07	9.90		80.0	
		Z	0.61	60.00	6.77		80.0	
10475-AAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.68	60.00	6.58	3.23	80.0	± 9.6 %
		Y	0.81	60.00	7.79		80.0	
		Z	0.64	60.00	6.03		80.0	

10477-AAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	0.65	60.00	7.28	3.23	80.0	± 9.6 %
		Y	1.07	62.81	9.75		80.0	
		Z	0.61	60.00	6.74		80.0	
10478-AAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.68	60.00	6.57	3.23	80.0	± 9.6 %
		Y	0.81	60.00	7.78		80.0	
		Z	0.65	60.00	6.01		80.0	
10479-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	15.35	99.32	26.35	3.23	80.0	± 9.6 %
		Y	6.41	85.43	22.76		80.0	
		Z	4.06	80.14	19.99		80.0	
10480-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.37	78.01	17.06	3.23	80.0	± 9.6 %
		Y	5.35	77.64	17.96		80.0	
		Z	1.93	66.81	12.39		80.0	
10481-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.93	70.49	13.89	3.23	80.0	± 9.6 %
		Y	3.92	73.08	15.89		80.0	
		Z	1.44	63.40	10.40		80.0	
10482-AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	1.84	67.62	13.79	2.23	80.0	± 9.6 %
		Y	1.79	66.37	13.87		80.0	
		Z	1.21	62.72	10.93		80.0	
10483-AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.84	64.12	11.25	2.23	80.0	± 9.6 %
		Y	2.82	68.57	14.37		80.0	
		Z	1.24	60.24	8.65		80.0	
10484-AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.77	63.42	10.91	2.23	80.0	± 9.6 %
		Y	2.67	67.61	13.95		80.0	
		Z	1.24	60.00	8.50		80.0	
10485-AAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.68	72.67	17.51	2.23	80.0	± 9.6 %
		Y	2.24	68.93	16.21		80.0	
		Z	1.88	67.68	14.90		80.0	
10486-AAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.33	66.95	14.11	2.23	80.0	± 9.6 %
		Y	2.33	66.00	14.21		80.0	
		Z	1.81	63.82	12.13		80.0	
10487-AAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.31	66.44	13.84	2.23	80.0	± 9.6 %
		Y	2.35	65.72	14.06		80.0	
		Z	1.82	63.51	11.93		80.0	
10488-AAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.93	71.87	18.48	2.23	80.0	± 9.6 %
		Y	2.67	69.13	17.21		80.0	
		Z	2.42	68.86	16.85		80.0	
10489-AAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.94	68.42	16.74	2.23	80.0	± 9.6 %
		Y	2.82	66.76	16.09		80.0	
		Z	2.61	66.69	15.60		80.0	
10490-AAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.01	68.24	16.65	2.23	80.0	± 9.6 %
		Y	2.92	66.70	16.07		80.0	
		Z	2.68	66.59	15.54		80.0	
10491-AAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.17	70.20	18.00	2.23	80.0	± 9.6 %
		Y	3.02	68.34	17.05		80.0	
		Z	2.77	68.13	16.83		80.0	
10492-AAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.27	67.59	16.86	2.23	80.0	± 9.6 %
		Y	3.23	66.40	16.32		80.0	
		Z	3.01	66.40	16.03		80.0	

10493-AAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.33	67.46	16.79	2.23	80.0	± 9.6 %
		Y	3.30	66.34	16.29		80.0	
		Z	3.07	66.32	15.98		80.0	
10494-AAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.41	71.59	18.50	2.23	80.0	± 9.6 %
		Y	3.20	69.50	17.42		80.0	
		Z	2.93	69.17	17.22		80.0	
10495-AAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.29	67.83	17.07	2.23	80.0	± 9.6 %
		Y	3.24	66.67	16.50		80.0	
		Z	3.03	66.60	16.25		80.0	
10496-AAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.37	67.61	17.00	2.23	80.0	± 9.6 %
		Y	3.33	66.52	16.46		80.0	
		Z	3.12	66.48	16.23		80.0	
10497-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	0.96	60.41	8.76	2.23	80.0	± 9.6 %
		Y	1.20	61.87	10.44		80.0	
		Z	0.89	60.00	7.88		80.0	
10498-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.10	60.00	7.20	2.23	80.0	± 9.6 %
		Y	1.22	60.00	8.28		80.0	
		Z	1.07	60.00	6.56		80.0	
10499-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.12	60.00	7.03	2.23	80.0	± 9.6 %
		Y	1.23	60.00	8.13		80.0	
		Z	1.09	60.00	6.39		80.0	
10500-AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.77	72.31	17.90	2.23	80.0	± 9.6 %
		Y	2.40	68.91	16.59		80.0	
		Z	2.11	68.30	15.75		80.0	
10501-AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.66	68.05	15.35	2.23	80.0	± 9.6 %
		Y	2.57	66.52	15.04		80.0	
		Z	2.19	65.43	13.68		80.0	
10502-AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.69	67.80	15.15	2.23	80.0	± 9.6 %
		Y	2.62	66.43	14.93		80.0	
		Z	2.21	65.25	13.50		80.0	
10503-AAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.90	71.67	18.38	2.23	80.0	± 9.6 %
		Y	2.64	68.96	17.12		80.0	
		Z	2.39	68.69	16.76		80.0	
10504-AAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.92	68.32	16.67	2.23	80.0	± 9.6 %
		Y	2.81	66.67	16.03		80.0	
		Z	2.59	66.59	15.53		80.0	
10505-AAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.99	68.14	16.59	2.23	80.0	± 9.6 %
		Y	2.91	66.61	16.01		80.0	
		Z	2.67	66.51	15.48		80.0	
10506-AAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.39	71.45	18.43	2.23	80.0	± 9.6 %
		Y	3.18	69.38	17.35		80.0	
		Z	2.91	69.05	17.15		80.0	
10507-AAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.28	67.77	17.04	2.23	80.0	± 9.6 %
		Y	3.23	66.62	16.46		80.0	
		Z	3.02	66.54	16.22		80.0	

10508-AAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.36	67.55	16.95	2.23	80.0	± 9.6 %
		Y	3.32	66.46	16.42		80.0	
		Z	3.11	66.42	16.18		80.0	
10509-AAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.76	70.24	17.92	2.23	80.0	± 9.6 %
		Y	3.62	68.73	17.09		80.0	
		Z	3.37	68.53	16.98		80.0	
10510-AAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.74	67.43	17.05	2.23	80.0	± 9.6 %
		Y	3.73	66.59	16.58		80.0	
		Z	3.51	66.46	16.41		80.0	
10511-AAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.81	67.25	17.00	2.23	80.0	± 9.6 %
		Y	3.80	66.42	16.55		80.0	
		Z	3.59	66.36	16.39		80.0	
10512-AAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.88	71.59	18.36	2.23	80.0	± 9.6 %
		Y	3.66	69.84	17.42		80.0	
		Z	3.39	69.44	17.24		80.0	
10513-AAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.63	67.57	17.13	2.23	80.0	± 9.6 %
		Y	3.60	66.72	16.64		80.0	
		Z	3.40	66.51	16.45		80.0	
10514-AAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.67	67.22	17.02	2.23	80.0	± 9.6 %
		Y	3.65	66.41	16.56		80.0	
		Z	3.46	66.27	16.38		80.0	
10515-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	X	0.97	64.02	15.32	0.00	150.0	± 9.6 %
		Y	0.88	61.91	13.46		150.0	
		Z	0.95	63.29	14.56		150.0	
10516-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	X	0.90	79.01	21.42	0.00	150.0	± 9.6 %
		Y	0.42	65.04	13.17		150.0	
		Z	0.58	70.14	17.04		150.0	
10517-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	X	0.84	66.65	16.39	0.00	150.0	± 9.6 %
		Y	0.70	62.97	13.46		150.0	
		Z	0.79	64.99	15.11		150.0	
10518-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	X	4.35	67.03	16.34	0.00	150.0	± 9.6 %
		Y	4.37	66.34	15.89		150.0	
		Z	4.28	66.91	16.13		150.0	
10519-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	X	4.49	67.19	16.42	0.00	150.0	± 9.6 %
		Y	4.54	66.55	16.01		150.0	
		Z	4.41	67.05	16.22		150.0	
10520-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	X	4.35	67.13	16.34	0.00	150.0	± 9.6 %
		Y	4.39	66.48	15.91		150.0	
		Z	4.27	66.98	16.13		150.0	
10521-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	X	4.29	67.10	16.33	0.00	150.0	± 9.6 %
		Y	4.32	66.45	15.89		150.0	
		Z	4.20	66.93	16.10		150.0	
10522-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	X	4.33	67.22	16.42	0.00	150.0	± 9.6 %
		Y	4.38	66.59	16.00		150.0	
		Z	4.24	67.02	16.17		150.0	

10523-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	X	4.27	67.25	16.36	0.00	150.0	± 9.6 %
		Y	4.28	66.47	15.85		150.0	
		Z	4.19	67.11	16.15		150.0	
10524-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	X	4.29	67.20	16.42	0.00	150.0	± 9.6 %
		Y	4.33	66.50	15.96		150.0	
		Z	4.20	67.03	16.20		150.0	
10525-AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	X	4.33	66.31	16.04	0.00	150.0	± 9.6 %
		Y	4.33	65.56	15.56		150.0	
		Z	4.25	66.17	15.84		150.0	
10526-AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)	X	4.45	66.58	16.15	0.00	150.0	± 9.6 %
		Y	4.48	65.89	15.70		150.0	
		Z	4.35	66.41	15.94		150.0	
10527-AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	X	4.38	66.56	16.10	0.00	150.0	± 9.6 %
		Y	4.40	65.84	15.63		150.0	
		Z	4.29	66.39	15.88		150.0	
10528-AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	X	4.39	66.57	16.13	0.00	150.0	± 9.6 %
		Y	4.42	65.86	15.66		150.0	
		Z	4.31	66.41	15.92		150.0	
10529-AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	X	4.39	66.57	16.13	0.00	150.0	± 9.6 %
		Y	4.42	65.86	15.66		150.0	
		Z	4.31	66.41	15.92		150.0	
10531-AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)	X	4.36	66.59	16.11	0.00	150.0	± 9.6 %
		Y	4.39	65.91	15.65		150.0	
		Z	4.26	66.40	15.88		150.0	
10532-AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	X	4.24	66.46	16.04	0.00	150.0	± 9.6 %
		Y	4.26	65.76	15.57		150.0	
		Z	4.15	66.27	15.81		150.0	
10533-AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)	X	4.40	66.66	16.14	0.00	150.0	± 9.6 %
		Y	4.42	65.92	15.66		150.0	
		Z	4.31	66.49	15.92		150.0	
10534-AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	X	4.95	66.50	16.16	0.00	150.0	± 9.6 %
		Y	4.98	66.00	15.79		150.0	
		Z	4.87	66.36	15.99		150.0	
10535-AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	X	4.99	66.63	16.23	0.00	150.0	± 9.6 %
		Y	5.04	66.19	15.88		150.0	
		Z	4.90	66.45	16.04		150.0	
10536-AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	X	4.88	66.64	16.21	0.00	150.0	± 9.6 %
		Y	4.92	66.13	15.82		150.0	
		Z	4.80	66.46	16.02		150.0	
10537-AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	X	4.95	66.65	16.21	0.00	150.0	± 9.6 %
		Y	4.97	66.09	15.81		150.0	
		Z	4.88	66.50	16.04		150.0	
10538-AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	X	5.01	66.59	16.22	0.00	150.0	± 9.6 %
		Y	5.05	66.11	15.86		150.0	
		Z	4.92	66.42	16.04		150.0	
10540-AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	X	4.94	66.54	16.22	0.00	150.0	± 9.6 %
		Y	4.98	66.09	15.87		150.0	
		Z	4.86	66.38	16.04		150.0	

10541-AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)	X	4.93	66.47	16.16	0.00	150.0	± 9.6 %
		Y	4.96	65.98	15.80		150.0	
		Z	4.85	66.33	15.99		150.0	
10542-AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	X	5.08	66.56	16.23	0.00	150.0	± 9.6 %
		Y	5.12	66.08	15.87		150.0	
		Z	5.00	66.42	16.05		150.0	
10543-AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	X	5.16	66.66	16.30	0.00	150.0	± 9.6 %
		Y	5.18	66.11	15.91		150.0	
		Z	5.08	66.53	16.14		150.0	
10544-AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	X	5.29	66.55	16.14	0.00	150.0	± 9.6 %
		Y	5.31	66.13	15.80		150.0	
		Z	5.23	66.42	15.98		150.0	
10545-AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)	X	5.47	67.02	16.33	0.00	150.0	± 9.6 %
		Y	5.50	66.58	15.99		150.0	
		Z	5.39	66.84	16.16		150.0	
10546-AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	X	5.33	66.68	16.17	0.00	150.0	± 9.6 %
		Y	5.36	66.28	15.85		150.0	
		Z	5.26	66.52	16.00		150.0	
10547-AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	X	5.41	66.81	16.23	0.00	150.0	± 9.6 %
		Y	5.43	66.36	15.88		150.0	
		Z	5.35	66.69	16.09		150.0	
10548-AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	X	5.55	67.42	16.52	0.00	150.0	± 9.6 %
		Y	5.65	67.22	16.29		150.0	
		Z	5.44	67.17	16.30		150.0	
10550-AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	X	5.40	66.91	16.30	0.00	150.0	± 9.6 %
		Y	5.40	66.40	15.92		150.0	
		Z	5.33	66.78	16.15		150.0	
10551-AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	X	5.32	66.64	16.13	0.00	150.0	± 9.6 %
		Y	5.38	66.34	15.85		150.0	
		Z	5.24	66.47	15.96		150.0	
10552-AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	X	5.31	66.68	16.15	0.00	150.0	± 9.6 %
		Y	5.32	66.19	15.78		150.0	
		Z	5.24	66.55	16.00		150.0	
10553-AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	X	5.35	66.62	16.15	0.00	150.0	± 9.6 %
		Y	5.39	66.20	15.82		150.0	
		Z	5.28	66.48	15.99		150.0	
10554-AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	X	5.72	66.88	16.21	0.00	150.0	± 9.6 %
		Y	5.73	66.50	15.91		150.0	
		Z	5.66	66.74	16.06		150.0	
10555-AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	X	5.81	67.10	16.31	0.00	150.0	± 9.6 %
		Y	5.85	66.79	16.04		150.0	
		Z	5.73	66.93	16.14		150.0	
10556-AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)	X	5.85	67.23	16.36	0.00	150.0	± 9.6 %
		Y	5.87	66.85	16.06		150.0	
		Z	5.78	67.07	16.20		150.0	
10557-AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	X	5.80	67.08	16.31	0.00	150.0	± 9.6 %
		Y	5.83	66.72	16.01		150.0	
		Z	5.74	66.93	16.15		150.0	

10558-AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	X	5.81	67.13	16.35	0.00	150.0	± 9.6 %
		Y	5.87	66.87	16.10		150.0	
		Z	5.72	66.92	16.16		150.0	
10560-AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	X	5.83	67.06	16.35	0.00	150.0	± 9.6 %
		Y	5.87	66.73	16.07		150.0	
		Z	5.76	66.90	16.19		150.0	
10561-AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	X	5.77	67.06	16.38	0.00	150.0	± 9.6 %
		Y	5.80	66.73	16.10		150.0	
		Z	5.69	66.88	16.21		150.0	
10562-AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	X	5.81	67.21	16.46	0.00	150.0	± 9.6 %
		Y	5.88	66.99	16.24		150.0	
		Z	5.73	67.01	16.27		150.0	
10563-AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	X	5.92	67.21	16.42	0.00	150.0	± 9.6 %
		Y	5.98	66.94	16.17		150.0	
		Z	5.84	67.02	16.25		150.0	
10564-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)	X	4.66	67.03	16.46	0.46	150.0	± 9.6 %
		Y	4.70	66.43	16.07		150.0	
		Z	4.58	66.90	16.26		150.0	
10565-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)	X	4.85	67.42	16.76	0.46	150.0	± 9.6 %
		Y	4.91	66.86	16.40		150.0	
		Z	4.77	67.30	16.57		150.0	
10566-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)	X	4.69	67.24	16.57	0.46	150.0	± 9.6 %
		Y	4.75	66.68	16.20		150.0	
		Z	4.61	67.10	16.37		150.0	
10567-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)	X	4.72	67.63	16.94	0.46	150.0	± 9.6 %
		Y	4.77	67.06	16.55		150.0	
		Z	4.64	67.49	16.74		150.0	
10568-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle)	X	4.58	66.97	16.31	0.46	150.0	± 9.6 %
		Y	4.65	66.46	15.97		150.0	
		Z	4.48	66.76	16.06		150.0	
10569-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	X	4.71	67.87	17.08	0.46	150.0	± 9.6 %
		Y	4.74	67.19	16.64		150.0	
		Z	4.64	67.76	16.90		150.0	
10570-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle)	X	4.71	67.66	16.97	0.46	150.0	± 9.6 %
		Y	4.76	67.04	16.57		150.0	
		Z	4.63	67.51	16.78		150.0	
10571-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	X	1.10	64.47	15.74	0.46	130.0	± 9.6 %
		Y	1.01	62.60	14.19		130.0	
		Z	1.06	63.56	14.88		130.0	
10572-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	X	1.11	65.05	16.12	0.46	130.0	± 9.6 %
		Y	1.02	63.01	14.47		130.0	
		Z	1.07	64.03	15.21		130.0	
10573-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	X	2.89	95.49	27.26	0.46	130.0	± 9.6 %
		Y	0.76	70.85	16.60		130.0	
		Z	1.03	76.59	20.03		130.0	
10574-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	X	1.21	71.26	19.43	0.46	130.0	± 9.6 %
		Y	0.98	66.68	16.40		130.0	
		Z	1.07	68.47	17.67		130.0	

10575-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	X	4.43	66.75	16.45	0.46	130.0	± 9.6 %
		Y	4.48	66.20	16.11		130.0	
		Z	4.35	66.59	16.21		130.0	
10576-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	X	4.46	66.96	16.54	0.46	130.0	± 9.6 %
		Y	4.50	66.37	16.18		130.0	
		Z	4.38	66.81	16.31		130.0	
10577-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	X	4.62	67.18	16.67	0.46	130.0	± 9.6 %
		Y	4.69	66.65	16.35		130.0	
		Z	4.53	67.03	16.45		130.0	
10578-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	X	4.52	67.32	16.78	0.46	130.0	± 9.6 %
		Y	4.58	66.77	16.43		130.0	
		Z	4.44	67.16	16.56		130.0	
10579-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	X	4.28	66.52	16.04	0.46	130.0	± 9.6 %
		Y	4.34	66.01	15.71		130.0	
		Z	4.18	66.30	15.78		130.0	
10580-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	X	4.31	66.57	16.06	0.46	130.0	± 9.6 %
		Y	4.39	66.08	15.75		130.0	
		Z	4.21	66.32	15.78		130.0	
10581-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	X	4.44	67.43	16.77	0.46	130.0	± 9.6 %
		Y	4.48	66.79	16.37		130.0	
		Z	4.35	67.27	16.54		130.0	
10582-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	X	4.21	66.30	15.83	0.46	130.0	± 9.6 %
		Y	4.28	65.79	15.50		130.0	
		Z	4.11	66.07	15.56		130.0	
10583-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	X	4.43	66.75	16.45	0.46	130.0	± 9.6 %
		Y	4.48	66.20	16.11		130.0	
		Z	4.35	66.59	16.21		130.0	
10584-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	X	4.46	66.96	16.54	0.46	130.0	± 9.6 %
		Y	4.50	66.37	16.18		130.0	
		Z	4.38	66.81	16.31		130.0	
10585-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	X	4.62	67.18	16.67	0.46	130.0	± 9.6 %
		Y	4.69	66.65	16.35		130.0	
		Z	4.53	67.03	16.45		130.0	
10586-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	X	4.52	67.32	16.78	0.46	130.0	± 9.6 %
		Y	4.58	66.77	16.43		130.0	
		Z	4.44	67.16	16.56		130.0	
10587-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	X	4.28	66.52	16.04	0.46	130.0	± 9.6 %
		Y	4.34	66.01	15.71		130.0	
		Z	4.18	66.30	15.78		130.0	
10588-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	X	4.31	66.57	16.06	0.46	130.0	± 9.6 %
		Y	4.39	66.08	15.75		130.0	
		Z	4.21	66.32	15.78		130.0	
10589-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	X	4.44	67.43	16.77	0.46	130.0	± 9.6 %
		Y	4.48	66.79	16.37		130.0	
		Z	4.35	67.27	16.54		130.0	
10590-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	X	4.21	66.30	15.83	0.46	130.0	± 9.6 %
		Y	4.28	65.79	15.50		130.0	
		Z	4.11	66.07	15.56		130.0	

10591-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	X	4.58	66.83	16.57	0.46	130.0	± 9.6 %
		Y	4.64	66.29	16.23		130.0	
		Z	4.51	66.70	16.35		130.0	
10592-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	X	4.70	67.12	16.69	0.46	130.0	± 9.6 %
		Y	4.77	66.60	16.36		130.0	
		Z	4.61	66.96	16.47		130.0	
10593-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	X	4.62	67.00	16.55	0.46	130.0	± 9.6 %
		Y	4.69	66.48	16.23		130.0	
		Z	4.53	66.84	16.32		130.0	
10594-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	X	4.67	67.17	16.71	0.46	130.0	± 9.6 %
		Y	4.74	66.66	16.39		130.0	
		Z	4.59	67.01	16.49		130.0	
10595-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	X	4.64	67.16	16.63	0.46	130.0	± 9.6 %
		Y	4.71	66.61	16.28		130.0	
		Z	4.55	67.00	16.40		130.0	
10596-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle)	X	4.57	67.12	16.62	0.46	130.0	± 9.6 %
		Y	4.64	66.59	16.28		130.0	
		Z	4.47	66.93	16.38		130.0	
10597-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle)	X	4.52	66.99	16.47	0.46	130.0	± 9.6 %
		Y	4.59	66.47	16.14		130.0	
		Z	4.43	66.80	16.23		130.0	
10598-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	X	4.51	67.21	16.73	0.46	130.0	± 9.6 %
		Y	4.57	66.69	16.40		130.0	
		Z	4.43	67.05	16.50		130.0	
10599-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	X	5.27	67.29	16.82	0.46	130.0	± 9.6 %
		Y	5.32	66.86	16.51		130.0	
		Z	5.20	67.15	16.64		130.0	
10600-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	X	5.37	67.66	16.98	0.46	130.0	± 9.6 %
		Y	5.46	67.32	16.71		130.0	
		Z	5.27	67.44	16.76		130.0	
10601-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	X	5.28	67.43	16.88	0.46	130.0	± 9.6 %
		Y	5.34	67.03	16.59		130.0	
		Z	5.21	67.35	16.73		130.0	
10602-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	X	5.36	67.45	16.81	0.46	130.0	± 9.6 %
		Y	5.47	67.18	16.58		130.0	
		Z	5.26	67.24	16.59		130.0	
10603-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)	X	5.43	67.74	17.09	0.46	130.0	± 9.6 %
		Y	5.53	67.44	16.85		130.0	
		Z	5.32	67.49	16.86		130.0	
10604-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)	X	5.30	67.33	16.86	0.46	130.0	± 9.6 %
		Y	5.41	67.10	16.66		130.0	
		Z	5.19	67.02	16.59		130.0	
10605-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)	X	5.35	67.50	16.95	0.46	130.0	± 9.6 %
		Y	5.46	67.23	16.73		130.0	
		Z	5.26	67.28	16.73		130.0	
10606-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)	X	5.15	66.97	16.54	0.46	130.0	± 9.6 %
		Y	5.18	66.48	16.20		130.0	
		Z	5.08	66.83	16.35		130.0	

10607-AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	X	4.44	66.21	16.23	0.46	130.0	± 9.6 %
		Y	4.47	65.58	15.84		130.0	
		Z	4.36	66.06	16.01		130.0	
10608-AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	X	4.57	66.53	16.37	0.46	130.0	± 9.6 %
		Y	4.63	65.95	16.00		130.0	
		Z	4.48	66.35	16.14		130.0	
10609-AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	X	4.47	66.37	16.20	0.46	130.0	± 9.6 %
		Y	4.52	65.78	15.82		130.0	
		Z	4.38	66.18	15.96		130.0	
10610-AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	X	4.52	66.54	16.36	0.46	130.0	± 9.6 %
		Y	4.57	65.94	15.99		130.0	
		Z	4.43	66.35	16.13		130.0	
10611-AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	X	4.44	66.33	16.21	0.46	130.0	± 9.6 %
		Y	4.49	65.74	15.83		130.0	
		Z	4.34	66.13	15.96		130.0	
10612-AAB	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	X	4.43	66.46	16.25	0.46	130.0	± 9.6 %
		Y	4.49	65.88	15.87		130.0	
		Z	4.32	66.23	15.99		130.0	
10613-AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	X	4.42	66.27	16.09	0.46	130.0	± 9.6 %
		Y	4.49	65.73	15.74		130.0	
		Z	4.32	66.05	15.83		130.0	
10614-AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	X	4.39	66.50	16.34	0.46	130.0	± 9.6 %
		Y	4.44	65.92	15.97		130.0	
		Z	4.30	66.29	16.09		130.0	
10615-AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	X	4.43	66.18	15.98	0.46	130.0	± 9.6 %
		Y	4.49	65.58	15.61		130.0	
		Z	4.33	65.97	15.73		130.0	
10616-AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	X	5.08	66.47	16.39	0.46	130.0	± 9.6 %
		Y	5.13	66.06	16.09		130.0	
		Z	5.00	66.30	16.19		130.0	
10617-AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	X	5.12	66.59	16.43	0.46	130.0	± 9.6 %
		Y	5.20	66.27	16.17		130.0	
		Z	5.02	66.38	16.22		130.0	
10618-AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	X	5.03	66.66	16.48	0.46	130.0	± 9.6 %
		Y	5.09	66.27	16.18		130.0	
		Z	4.93	66.45	16.26		130.0	
10619-AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	X	5.06	66.51	16.34	0.46	130.0	± 9.6 %
		Y	5.10	66.05	16.01		130.0	
		Z	4.98	66.36	16.15		130.0	
10620-AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	X	5.12	66.49	16.37	0.46	130.0	± 9.6 %
		Y	5.19	66.09	16.08		130.0	
		Z	5.02	66.29	16.16		130.0	
10621-AAB	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	X	5.12	66.58	16.54	0.46	130.0	± 9.6 %
		Y	5.20	66.23	16.27		130.0	
		Z	5.04	66.42	16.35		130.0	
10622-AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	X	5.11	66.67	16.58	0.46	130.0	± 9.6 %
		Y	5.21	66.42	16.36		130.0	
		Z	5.03	66.49	16.38		130.0	

10623-AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	X	5.01	66.24	16.23	0.46	130.0	± 9.6 %
		Y	5.08	65.89	15.96		130.0	
		Z	4.93	66.09	16.04		130.0	
10624-AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	X	5.20	66.50	16.42	0.46	130.0	± 9.6 %
		Y	5.27	66.13	16.15		130.0	
		Z	5.12	66.34	16.23		130.0	
10625-AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	X	5.28	66.62	16.54	0.46	130.0	± 9.6 %
		Y	5.52	66.78	16.53		130.0	
		Z	5.22	66.53	16.39		130.0	
10626-AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	X	5.41	66.47	16.33	0.46	130.0	± 9.6 %
		Y	5.45	66.14	16.07		130.0	
		Z	5.34	66.32	16.15		130.0	
10627-AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	X	5.64	67.10	16.62	0.46	130.0	± 9.6 %
		Y	5.70	66.78	16.36		130.0	
		Z	5.55	66.91	16.42		130.0	
10628-AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	X	5.40	66.46	16.23	0.46	130.0	± 9.6 %
		Y	5.46	66.17	15.99		130.0	
		Z	5.33	66.28	16.04		130.0	
10629-AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	X	5.52	66.68	16.34	0.46	130.0	± 9.6 %
		Y	5.55	66.28	16.04		130.0	
		Z	5.45	66.56	16.18		130.0	
10630-AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	X	5.74	67.57	16.79	0.46	130.0	± 9.6 %
		Y	5.93	67.64	16.72		130.0	
		Z	5.60	67.21	16.51		130.0	
10631-AAB	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	X	5.71	67.57	16.97	0.46	130.0	± 9.6 %
		Y	5.83	67.42	16.80		130.0	
		Z	5.61	67.33	16.76		130.0	
10632-AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	X	5.65	67.29	16.86	0.46	130.0	± 9.6 %
		Y	5.67	66.86	16.54		130.0	
		Z	5.58	67.17	16.70		130.0	
10633-AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	X	5.43	66.53	16.30	0.46	130.0	± 9.6 %
		Y	5.53	66.37	16.12		130.0	
		Z	5.34	66.35	16.11		130.0	
10634-AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	X	5.46	66.73	16.45	0.46	130.0	± 9.6 %
		Y	5.51	66.37	16.17		130.0	
		Z	5.38	66.57	16.27		130.0	
10635-AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	X	5.32	65.99	15.82	0.46	130.0	± 9.6 %
		Y	5.39	65.70	15.57		130.0	
		Z	5.23	65.80	15.61		130.0	
10636-AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	X	5.85	66.82	16.41	0.46	130.0	± 9.6 %
		Y	5.88	66.53	16.18		130.0	
		Z	5.78	66.67	16.24		130.0	
10637-AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	X	5.96	67.13	16.56	0.46	130.0	± 9.6 %
		Y	6.04	66.92	16.36		130.0	
		Z	5.88	66.92	16.36		130.0	
10638-AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	X	5.99	67.20	16.57	0.46	130.0	± 9.6 %
		Y	6.03	66.89	16.32		130.0	
		Z	5.93	67.07	16.41		130.0	

10639-AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	X	5.94	67.06	16.54	0.46	130.0	± 9.6 %
		Y	6.00	66.80	16.32		130.0	
		Z	5.87	66.89	16.36		130.0	
10640-AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	X	5.90	66.94	16.43	0.46	130.0	± 9.6 %
		Y	6.00	66.80	16.26		130.0	
		Z	5.80	66.71	16.22		130.0	
10641-AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	X	6.01	67.05	16.50	0.46	130.0	± 9.6 %
		Y	6.07	66.80	16.29		130.0	
		Z	5.93	66.87	16.32		130.0	
10642-AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	X	6.02	67.21	16.75	0.46	130.0	± 9.6 %
		Y	6.09	66.98	16.54		130.0	
		Z	5.94	67.03	16.57		130.0	
10643-AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	X	5.87	66.93	16.50	0.46	130.0	± 9.6 %
		Y	5.94	66.70	16.30		130.0	
		Z	5.79	66.72	16.30		130.0	
10644-AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	X	5.92	67.10	16.61	0.46	130.0	± 9.6 %
		Y	6.04	67.02	16.47		130.0	
		Z	5.83	66.87	16.40		130.0	
10645-AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	X	6.06	67.18	16.61	0.46	130.0	± 9.6 %
		Y	6.19	67.13	16.50		130.0	
		Z	5.97	66.97	16.42		130.0	
10646-AAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	X	8.98	100.12	35.66	9.30	60.0	± 9.6 %
		Y	9.25	97.39	34.22		60.0	
		Z	5.51	87.84	30.74		60.0	
10647-AAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	X	7.44	96.05	34.38	9.30	60.0	± 9.6 %
		Y	8.05	94.62	33.38		60.0	
		Z	4.82	85.09	29.79		60.0	
10648-AAA	CDMA2000 (1x Advanced)	X	0.50	62.05	8.49	0.00	150.0	± 9.6 %
		Y	0.50	60.81	7.93		150.0	
		Z	0.43	60.79	7.32		150.0	
10652-AAC	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	3.23	66.68	16.20	2.23	80.0	± 9.6 %
		Y	3.16	65.37	15.67		80.0	
		Z	3.03	65.81	15.50		80.0	
10653-AAC	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	X	3.76	65.86	16.44	2.23	80.0	± 9.6 %
		Y	3.74	65.00	16.03		80.0	
		Z	3.61	65.32	15.97		80.0	
10654-AAC	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	X	3.78	65.43	16.47	2.23	80.0	± 9.6 %
		Y	3.75	64.68	16.07		80.0	
		Z	3.66	64.95	16.04		80.0	
10655-AAD	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	3.85	65.34	16.50	2.23	80.0	± 9.6 %
		Y	3.82	64.66	16.12		80.0	
		Z	3.74	64.87	16.09		80.0	
10658-AAA	Pulse Waveform (200Hz, 10%)	X	3.77	70.26	12.03	10.00	50.0	± 9.6 %
		Y	12.27	83.59	17.52		50.0	
		Z	2.96	67.48	10.74		50.0	
10659-AAA	Pulse Waveform (200Hz, 20%)	X	8.98	79.72	14.13	6.99	60.0	± 9.6 %
		Y	100.00	104.15	21.31		60.0	
		Z	1.95	66.96	9.59		60.0	

10660-AAA	Pulse Waveform (200Hz, 40%)	X	100.00	97.77	17.15	3.98	80.0	± 9.6 %
		Y	100.00	100.91	18.60		80.0	
		Z	3.91	74.43	11.04		80.0	
10661-AAA	Pulse Waveform (200Hz, 60%)	X	100.00	96.14	15.60	2.22	100.0	± 9.6 %
		Y	100.00	92.62	14.21		100.0	
		Z	100.00	92.91	14.19		100.0	
10662-AAA	Pulse Waveform (200Hz, 80%)	X	99.96	83.24	9.71	0.97	120.0	± 9.6 %
		Y	17.02	60.55	1.46		120.0	
		Z	0.12	60.00	3.87		120.0	

[E] Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

APPENDIX D: SAR TISSUE SPECIFICATIONS

Measurement Procedure for Tissue verification:

1) The network analyzer and probe system was configured and calibrated.
2) The probe was immersed in the tissue. The tissue was placed in a nonmetallic container. Trapped air bubbles beneath the flange were minimized by placing the probe at a slight angle.
3) The complex admittance with respect to the probe aperture was measured
4) The complex relative permittivity ε' can be calculated from the below equation (Pournaropoulos and Misra):

$$Y = \frac{j2\omega\varepsilon_r\varepsilon_0}{\left[\ln(b/a)\right]^2}\int_a^b\int_a^b\int_0^\pi \cos\phi' \frac{\exp\left[-j\omega r(\mu_0\varepsilon_r'\varepsilon_0)^{1/2}\right]}{r} d\phi' d\rho' d\rho$$

where *Y* is the admittance of the probe in contact with the sample, the primed and unprimed coordinates refer to source and observation points, respectively, $r^2 = \rho^2 + \rho'^2 - 2\rho\rho'\cos\phi'$, ω is the angular frequency, and $j = \sqrt{-1}$.

Table D-I
Composition of the Tissue Equivalent Matter

Frequency (MHz)	750	750	835	835	1750	1750	1900	1900	2450	2450	5200 - 5800	5200 - 5800
Tissue	Head	Body	Head	Body	Head	Body	Head	Body	Head	Body	Head	Body
Ingredients (% by weight)												
Bactericide	See page 3	See page 2	0.1	0.1					See page 4		See page 5	See page 6
DGBE					47	31	44.92	29.44		26.7		
HEC			1	1								
NaCl			1.45	0.94	0.4	0.2	0.18	0.39		0.1		
Sucrose			57	44.9								
Polysorbate (Tween) 80												
Water			40.45	53.06	52.6	68.8	54.9	70.17		73.2		

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2 Composition / Information on ingredients

The Item is composed of the following ingredients:

H_2O	Water, 35 – 58%
Sucrose	Sugar, white, refined, 40 – 60%
NaCl	Sodium Chloride, 0 – 6%
Hydroxyethyl-cellulose	Medium Viscosity (CAS# 9004-62-0), <0.3%
Preventol-D7	Preservative: aqueous preparation, (CAS# 55965-84-9), containing 5-chloro-2-methyl-3(2H)-isothiazolone and 2-methyyl-3(2H)-isothiazolone, 0.1 – 0.7%
	Relevant for safety; Refer to the respective Safety Data Sheet*.

Figure D-1
Composition of 750 MHz Head and Body Tissue Equivalent Matter

Note: 750MHz liquid recipes are proprietary SPEAG. Since the composition is approximate to the actual liquids utilized, the manufacturer tissue-equivalent liquid data sheets are provided below.

Schmid & Partner Engineering AG **s p e a g**

Zeughausstrasse 43, 8004 Zurich, Switzerland
Phone +41 44 245 9700, Fax +41 44 245 9779
info@speag.com, http://www.speag.com

Measurement Certificate / Material Test

Item Name	**Body Tissue Simulating Liquid (MSL750V2)**
Product No.	SL AAM 075 AA (Batch: 170608-1)
Manufacturer	SPEAG

Measurement Method
TSL dielectric parameters measured using calibrated DAK probe.

Setup Validation
Validation results were within ± 2.5% towards the target values of Methanol.

Target Parameters
Target parameters as defined in the IEEE 1528 and IEC 62209 compliance standards.

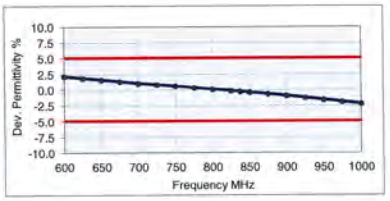
Test Condition

Ambient	Environment temperatur (22 ± 3)°C and humidity < 70%.
TSL Temperature	22°C
Test Date	20-Jun-17
Operator	CL

Additional Information

TSL Density	1.212 g/cm^3
TSL Heat-capacity	3.006 kJ/(kg*K)

	Measured			Target		Diff.to Target [%]	
f [MHz]	e'	e''	sigma	eps	sigma	Δ-eps	Δ-sigma
600	57.3	25.02	0.84	56.1	0.95	2.2	-12.2
625	57.1	24.67	0.86	56.0	0.95	1.9	-10.1
650	56.8	24.32	0.88	55.9	0.96	1.6	-8.0
675	56.6	24.02	0.90	55.8	0.96	1.3	-5.8
700	56.3	23.71	0.92	55.7	0.96	1.1	-3.8
725	56.1	23.48	0.95	55.6	0.96	0.8	-1.5
750	55.9	23.25	0.97	55.5	0.96	0.6	0.7
775	55.6	23.04	0.99	55.4	0.97	0.3	2.9
800	55.4	22.82	1.02	55.3	0.97	0.1	5.0
825	55.2	22.65	1.04	55.2	0.98	-0.1	6.3
838	55.1	22.56	1.05	55.2	0.98	-0.3	6.9
850	54.9	22.47	1.06	55.2	0.99	-0.4	7.5
875	54.7	22.34	1.09	55.1	1.02	-0.7	6.7
900	54.5	22.21	1.11	55.0	1.05	-0.9	5.9
925	54.3	22.08	1.14	55.0	1.06	-1.3	6.9
950	54.1	21.95	1.16	54.9	1.08	-1.6	7.9
975	53.8	21.86	1.19	54.9	1.09	-1.9	9.1
1000	53.6	21.76	1.21	54.8	1.10	-2.2	10.2



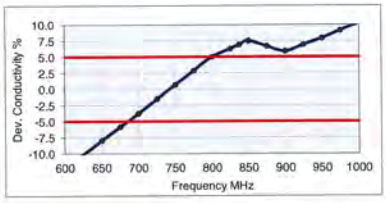


Figure D-2
750MHz Body Tissue Equivalent Matter

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Schmid & Partner Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland
Phone +41 44 245 9700, Fax +41 44 245 9779
info@speag.com, http://www.speag.com

s p e a g

Measurement Certificate / Material Test

Item Name	**Head Tissue Simulating Liquid (HSL750V2)**
Product No.	SL AAH 075 AA (Batch: 170612-4)
Manufacturer	SPEAG

Measurement Method
TSL dielectric parameters measured using calibrated DAK probe.

Setup Validation
Validation results were within ± 2.5% towards the target values of Methanol.

Target Parameters
Target parameters as defined in the IEEE 1528 and IEC 62209 compliance standards.

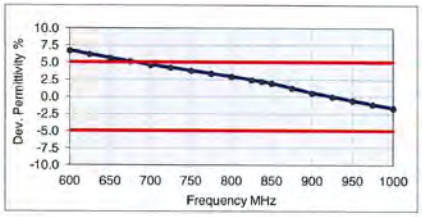
Test Condition

Ambient	Environment temperatur (22 ± 3)°C and humidity < 70%.
TSL Temperature	22°C
Test Date	20-Jun-17
Operator	CL

Additional Information

TSL Density	1.284 g/cm^3
TSL Heat-capacity	2.701 kJ/(kg*K)

	Measured			Target		Diff.to Target [%]	
f [MHz]	e'	e''	sigma	eps	sigma	Δ-eps	Δ-sigma
600	45.6	22.97	0.77	42.7	0.88	6.7	-13.1
625	45.2	22.73	0.79	42.6	0.88	6.2	-10.6
650	44.9	22.49	0.81	42.5	0.89	5.6	-8.2
675	44.5	22.27	0.84	42.3	0.89	5.1	-5.8
700	44.2	22.05	0.86	42.2	0.89	4.6	-3.5
725	43.8	21.88	0.88	42.1	0.89	4.2	-1.0
750	43.5	21.72	0.91	41.9	0.89	3.8	1.4
775	43.2	21.55	0.93	41.8	0.90	3.4	3.7
800	42.9	21.38	0.95	41.7	0.90	2.9	6.0
825	42.6	21.24	0.97	41.6	0.91	2.4	7.5
838	42.5	21.17	0.99	41.5	0.91	2.2	8.2
850	42.3	21.09	1.00	41.5	0.92	2.0	8.9
875	42.0	20.98	1.02	41.5	0.94	1.2	8.3
900	41.7	20.87	1.05	41.5	0.97	0.5	7.7
925	41.5	20.76	1.07	41.5	0.98	0.0	8.7
950	41.2	20.64	1.09	41.4	0.99	-0.6	9.7
975	40.9	20.55	1.11	41.4	1.00	-1.1	10.9
1000	40.6	20.46	1.14	41.3	1.01	-1.7	12.1



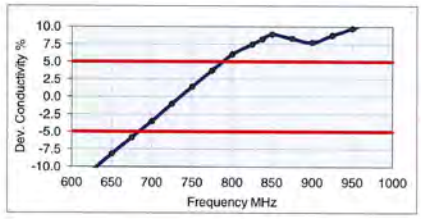


Figure D-3
750MHz Head Tissue Equivalent Matter

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3 Composition / Information on ingredients

The Item is composed of the following ingredients:

Water	50 – 73 %	
Non-ionic detergents	25 – 50 %	polyoxyethylenesorbitan monolaurate
NaCl	0 – 2 %	
Preservative	0.05 – 0.1%	Preventol-D7

Safety relevant ingredients:

CAS-No. 55965-84-9	< 0.1 %	aqueous preparation, containing 5-chloro-2-methyl-3(2H)-isothiazolone and 2-methyyl-3(2H)-isothiazolone
CAS-No. 9005-64-5	<50 %	polyoxyethylenesorbitan monolaurate

According to international guidelines, the product is not a dangerous mixture and therefore not required to be marked by symbols.

Figure D-4
Composition of 2.4 GHz Head Tissue Equivalent Matter

Schmid & Partner Engineering AG

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Zeughausstrasse 43, 8004 Zurich, Switzerland
Phone +41 44 245 9700, Fax +41 44 245 9779
info@speag.com, http://www.speag.com

Measurement Certificate / Material Test

Item Name	**Head Tissue Simulating Liquid (HBBL1900-3800V3)**
Product No.	SL AAH 196 AB (Batch: 170619-1)
Manufacturer	SPEAG

Measurement Method
TSL dielectric parameters measured using calibrated DAK probe.

Setup Validation
Validation results were within ± 2.5% towards the target values of Methanol.

Target Parameters
Target parameters as defined in the IEEE 1528 and IEC 62209 compliance standards.

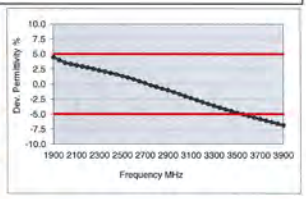
Test Condition

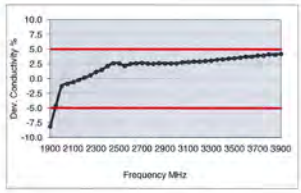
Ambient	Environment temperatur (22 ± 3)°C and humidity < 70%.
TSL Temperature	22°C
Test Date	20-Jun-17
Operator	CL

Additional Information

TSL Density	1.054 g/cm³
TSL Heat-capacity	3.389 kJ/(kg*K)

	Measured			Target		Diff.to Target [%]	
f [MHz]	ε'	ε''	sigma	eps	sigma	Δ-eps	Δ-sigma
1900	41.8	12.2	1.3	40.0	1.4	4.5	-8.2
1950	41.6	12.3	1.3	40.0	1.4	4.0	-8.6
2000	41.4	12.4	1.4	40.0	1.4	3.6	-1.3
2050	41.2	12.6	1.4	39.9	1.4	3.3	-0.9
2100	41.1	12.7	1.5	39.8	1.5	3.1	-0.8
2150	40.9	12.8	1.5	39.7	1.5	2.9	-0.2
2200	40.7	12.9	1.6	39.6	1.6	2.7	0.2
2250	40.6	13.0	1.6	39.6	1.6	2.5	0.5
2300	40.4	13.2	1.7	39.5	1.7	2.3	1.1
2350	40.2	13.3	1.7	39.4	1.7	2.1	1.5
2400	40.0	13.4	1.8	39.3	1.8	1.8	2.1
2450	39.8	13.5	1.8	39.2	1.8	1.6	2.6
2500	39.7	13.7	1.9	39.1	1.9	1.3	2.6
2550	39.5	13.7	2.0	39.1	1.9	1.1	2.2
2600	39.3	13.9	2.0	39.0	2.0	0.8	2.5
2650	39.1	14.0	2.1	38.9	2.0	0.5	2.6
2700	39.0	14.2	2.1	38.9	2.1	0.2	2.7
2750	38.7	14.3	2.2	38.8	2.1	-0.2	2.6
2800	38.6	14.4	2.2	38.8	2.2	-0.4	2.5
2850	38.4	14.5	2.3	38.7	2.2	-0.8	2.6
2900	38.2	14.6	2.3	38.6	2.3	-1.0	2.6
2950	38.1	14.7	2.4	38.6	2.3	-1.3	2.6
3000	37.9	14.8	2.5	38.5	2.4	-1.7	2.8
3050	37.7	14.8	2.5	38.4	2.5	-2.0	2.8
3100	37.5	14.9	2.6	38.4	2.5	-2.3	2.8
3150	37.3	15.0	2.6	38.3	2.6	-2.6	2.9
3200	37.1	15.1	2.7	38.3	2.6	-3.0	2.9
3250	37.0	15.1	2.7	38.2	2.7	-3.3	3.0
3300	36.8	15.2	2.8	38.2	2.7	-3.6	3.1
3350	36.6	15.3	2.8	38.1	2.8	-3.9	3.2
3400	36.4	15.3	2.9	38.0	2.8	-4.2	3.3
3450	36.3	15.4	3.0	38.0	2.9	-4.5	3.4
3500	36.1	15.5	3.0	37.9	2.9	-4.8	3.5
3550	36.0	15.5	3.1	37.9	3.0	-5.0	3.6
3600	35.8	15.6	3.1	37.8	3.0	-5.3	3.8
3650	35.7	15.7	3.2	37.8	3.1	-5.6	3.7
3700	35.5	15.7	3.2	37.7	3.1	-5.8	3.9
3750	35.4	15.8	3.3	37.6	3.2	-6.1	3.9
3800	35.2	15.9	3.4	37.6	3.2	-6.3	4.1
3850	35.1	15.9	3.4	37.5	3.3	-6.6	4.1





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2 Composition / Information on ingredients

The Item is composed of the following ingredients:

Water	50 – 65%
Mineral oil	10 – 30%
Emulsifiers	8 – 25%
Sodium salt	0 – 1.5%

Figure D-5
Composition of 5 GHz Head Tissue Equivalent Matter

Note: 5 GHz head liquid recipes are proprietary SPEAG. Since the composition is approximate to the actual liquids utilized, the manufacturer tissue-equivalent liquid data sheets are provided below.

Schmid & Partner Engineering AG

s p e a g

Zeughausstrasse 43, 8004 Zurich, Switzerland
Phone +41 44 245 9700, Fax +41 44 245 9779
info@speag.com, http://www.speag.com

Measurement Certificate / Material Test

Item Name	**Head Tissue Simulating Liquid (HBBL3500-5800V5)**
Product No.	SL AAH 502 AG (Batch: 170613-1)
Manufacturer	SPEAG

Measurement Method
TSL dielectric parameters measured using calibrated DAK probe.

Setup Validation
Validation results were within ± 2.5% towards the target values of Methanol.

Target Parameters
Target parameters as defined in the IEEE 1528 and IEC 62209 compliance standards.

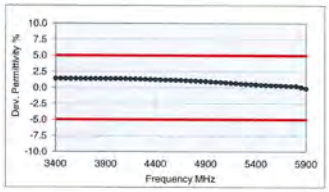
Test Condition

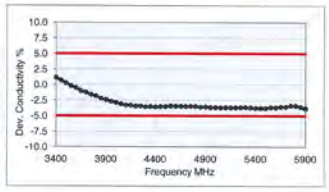
Ambient	Environment temperatur (22 ± 3)°C and humidity < 70%.
TSL Temperature	22°C
Test Date	20-Jun-17
Operator	CL

Additional Information

TSL Density	0.985 g/cm³
TSL Heat-capacity	3.383 kJ/(kg*K)

	Measured			Target		Diff to Target [%]	
f [MHz]	e'	e''	sigma	eps	sigma	Δ-eps	Δ-sigma
3400	38.6	15.03	2.84	38.0	2.81	1.5	1.1
3500	38.5	15.00	2.92	37.9	2.91	1.5	0.3
3600	38.3	14.98	3.00	37.8	3.02	1.3	-0.5
3700	38.2	14.96	3.08	37.7	3.12	1.3	-1.2
3800	38.1	14.96	3.16	37.6	3.22	1.4	-1.9
3900	38.0	14.95	3.24	37.5	3.32	1.4	-2.5
4000	37.9	14.95	3.33	37.4	3.43	1.5	-2.8
4100	37.8	14.96	3.41	37.2	3.53	1.5	-3.3
4200	37.6	15.00	3.50	37.1	3.63	1.3	-3.6
4300	37.5	15.05	3.60	37.0	3.73	1.3	-3.5
4400	37.4	15.11	3.70	36.9	3.84	1.4	-3.5
4500	37.2	15.18	3.80	36.8	3.94	1.1	-3.5
4600	37.1	15.24	3.90	36.7	4.04	1.2	-3.5
4700	37.0	15.29	4.00	36.6	4.14	1.2	-3.4
4800	36.8	15.35	4.10	36.4	4.25	1.0	-3.4
4850	36.8	15.35	4.14	36.4	4.30	1.1	-3.6
4900	36.7	15.38	4.19	36.3	4.35	1.0	-3.6
4950	36.6	15.39	4.24	36.3	4.40	0.9	-3.6
5000	36.5	15.42	4.29	36.2	4.45	0.8	-3.6
5050	36.5	15.43	4.34	36.2	4.50	0.9	-3.6
5100	36.4	15.46	4.39	36.1	4.55	0.8	-3.6
5150	36.3	15.48	4.43	36.0	4.60	0.7	-3.8
5200	36.2	15.50	4.48	36.0	4.66	0.5	-3.8
5250	36.1	15.53	4.54	35.9	4.71	0.5	-3.5
5300	36.1	15.55	4.58	35.9	4.76	0.6	-3.7
5350	36.0	15.56	4.63	35.8	4.81	0.5	-3.7
5400	35.9	15.57	4.68	35.8	4.86	0.4	-3.7
5450	35.9	15.59	4.73	35.7	4.91	0.6	-3.7
5500	35.8	15.61	4.78	35.6	4.96	0.4	-3.7
5550	35.7	15.65	4.83	35.6	5.01	0.3	-3.7
5600	35.6	15.66	4.88	35.5	5.07	0.2	-3.7
5650	35.6	15.70	4.93	35.5	5.12	0.4	-3.6
5700	35.5	15.72	4.98	35.4	5.17	0.2	-3.6
5750	35.4	15.76	5.04	35.4	5.22	0.1	-3.4
5800	35.4	15.78	5.09	35.3	5.27	0.3	-3.4
5850	35.3	15.81	5.14	35.3	5.34	0.0	-3.7
5900	35.3	15.82	5.19	35.3	5.40	0.0	-3.9





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3 Composition / Information on ingredients

The Item is composed of the following ingredients:

Water	60 – 80%
Esters, Emulsifiers, Inhibitors	20 – 40%
Sodium salt	0 – 1.5%

Figure D-6
Composition of 5 GHz Body Tissue Equivalent Matter

Note: 5 GHz Body liquid recipes are proprietary SPEAG. Since the composition is approximate to the actual liquids utilized, the manufacturer tissue-equivalent liquid data sheets are provided below.

Schmid & Partner Engineering AG

s p e a g

Zeughausstrasse 43, 8004 Zurich, Switzerland
Phone +41 44 245 9700, Fax +41 44 245 9779
info@speag.com, http://www.speag.com

Measurement Certificate / Material Test

Item Name	**Body Tissue Simulating Liquid (MBBL3500-5800V5)**
Product No.	SL AAM 501 EA (Batch: 180423-2)
Manufacturer	SPEAG

Measurement Method
TSL dielectric parameters measured using calibrated DAK probe.

Setup Validation
Validation results were within ± 2.5% towards the target values of Methanol.

Target Parameters
Target parameters as defined in the KDB 865664 compliance standard.

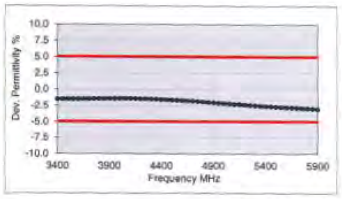
Test Condition

Ambient	Environment temperatur (22 ± 3)°C and humidity < 70%.
TSL Temperature	22°C
Test Date	25-Apr-18
Operator	WM

Additional Information

TSL Density	0.996 g/cm3
TSL Heat-capacity	3.765 kJ/(kg*K)

	Measured			Target		Diff.to Target [%]	
f [MHz]	e'	e''	sigma	eps	sigma	Δ-eps	Δ-sigma
3400	50.7	16.46	3.11	51.5	3.20	-1.5	-2.7
3500	50.5	16.50	3.21	51.3	3.31	-1.6	-3.1
3600	50.4	16.56	3.32	51.2	3.43	-1.5	-3.2
3700	50.3	16.63	3.42	51.1	3.55	-1.5	-3.6
3800	50.2	16.72	3.53	50.9	3.66	-1.4	-3.7
3900	50.1	16.81	3.65	50.8	3.78	-1.3	-3.5
4000	49.9	16.93	3.77	50.6	3.90	-1.5	-3.3
4100	49.8	17.05	3.89	50.5	4.01	-1.4	-3.1
4200	49.6	17.18	4.01	50.4	4.13	-1.5	-2.9
4300	49.5	17.32	4.14	50.2	4.25	-1.5	-2.5
4400	49.3	17.46	4.27	50.1	4.37	-1.6	-2.2
4500	49.2	17.59	4.40	50.0	4.48	-1.5	-1.8
4600	49.0	17.73	4.54	49.8	4.60	-1.7	-1.3
4700	48.8	17.86	4.67	49.7	4.72	-1.8	-1.0
4800	48.6	17.99	4.80	49.6	4.83	-1.9	-0.7
4850	48.5	18.05	4.87	49.5	4.89	-2.0	-0.4
4900	48.4	18.11	4.94	49.4	4.95	-2.1	-0.2
4950	48.3	18.17	5.00	49.4	5.01	-2.1	-0.1
5000	48.2	18.23	5.07	49.3	5.07	-2.2	0.1
5050	48.1	18.29	5.14	49.2	5.12	-2.3	0.3
5100	48.0	18.34	5.20	49.2	5.18	-2.3	0.3
5150	47.9	18.39	5.27	49.1	5.24	-2.4	0.6
5200	47.9	18.45	5.34	49.0	5.30	-2.3	0.8
5250	47.8	18.50	5.40	48.9	5.36	-2.3	0.8
5300	47.7	18.56	5.47	48.9	5.42	-2.4	1.0
5350	47.6	18.61	5.54	48.8	5.47	-2.5	1.2
5400	47.5	18.67	5.61	48.7	5.53	-2.5	1.4
5450	47.4	18.72	5.68	48.7	5.59	-2.6	1.6
5500	47.3	18.77	5.74	48.6	5.65	-2.7	1.6
5550	47.2	18.83	5.81	48.5	5.71	-2.8	1.8
5600	47.1	18.88	5.88	48.5	5.77	-2.8	2.0
5650	47.1	18.93	5.95	48.4	5.82	-2.7	2.1
5700	47.0	18.99	6.02	48.3	5.88	-2.8	2.3
5750	46.9	19.04	6.09	48.3	5.94	-2.8	2.5
5800	46.8	19.10	6.16	48.2	6.00	-2.9	2.7
5850	46.7	19.16	6.23	48.1	6.06	-3.0	2.8
5900	46.6	19.22	6.31	48.1	6.12	-3.0	3.2



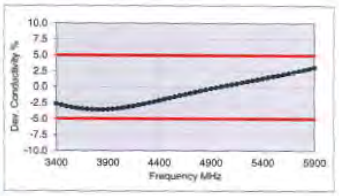


Figure D-7
5 GHz Body Tissue Equivalent Matter

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APPENDIX E: SAR SYSTEM VALIDATION

Per FCC KDB Publication 865664 D02v01r02, SAR system validation status should be documented to confirm measurement accuracy. The SAR systems (including SAR probes, system components and software versions) used for this device were validated against its performance specifications prior to the SAR measurements. Reference dipoles were used with the required tissue- equivalent media for system validation, according to the procedures outlined in FCC KDB Publication 865664 D01v01r04 and IEEE 1528-2013. Since SAR probe calibrations are frequency dependent, each probe calibration point was validated at a frequency within the valid frequency range of the probe calibration point, using the system that normally operates with the probe for routine SAR measurements and according to the required tissue-equivalent media.

A tabulated summary of the system validation status including the validation date(s), measurement frequencies, SAR probes and tissue dielectric parameters has been included.

Table E-1
SAR System Validation Summary – 1g

SAR SYSTEM #	FREQ. [MHz]	DATE	PROBE SN	PROBE TYPE	PROBE CAL. POINT		COND.	PERM.	CW VALIDATION			MOD. VALIDATION		
							(σ)	(εr)	SENSITIVITY	PROBE LINEARITY	PROBE ISOTROPY	MOD. TYPE	DUTY FACTOR	PAR
AM8	750	11/5/2018	7491	EX3DV4	750	Head	0.878	41.135	PASS	PASS	PASS	N/A	N/A	N/A
AM2	835	11/14/2018	7416	EX3DV4	835	Head	0.908	41.474	PASS	PASS	PASS	GMSK	PASS	N/A
AM6	835	4/16/2018	3131	ES3DV3	835	Head	0.928	42.395	PASS	PASS	PASS	GMSK	PASS	N/A
AM6	1750	3/26/2018	3131	ES3DV3	1750	Head	1.372	42.026	PASS	PASS	PASS	N/A	N/A	N/A
AM6	1900	4/16/2018	3131	ES3DV3	1900	Head	1.460	40.389	PASS	PASS	PASS	GMSK	PASS	N/A
AM8	1900	11/6/2018	7491	EX3DV4	1900	Head	1.432	38.930	PASS	PASS	PASS	GMSK	PASS	N/A
AM1	2450	11/20/2018	3275	ES3DV3	2450	Head	1.829	38.920	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
AM8	2600	11/6/2018	7491	EX3DV4	2600	Head	1.940	37.891	PASS	PASS	PASS	TDD	PASS	N/A
AM2	5250	11/15/2018	7416	EX3DV4	5250	Head	4.489	34.556	PASS	PASS	PASS	OFDM	N/A	PASS
AM2	5600	11/15/2018	7416	EX3DV4	5600	Head	4.864	33.971	PASS	PASS	PASS	OFDM	N/A	PASS
AM2	5750	11/15/2018	7416	EX3DV4	5750	Head	5.028	33.725	PASS	PASS	PASS	OFDM	N/A	PASS
AM3	750	12/3/2018	7420	EX3DV4	750	Body	0.954	54.631	PASS	PASS	PASS	N/A	N/A	N/A
AM6	835	4/4/2018	3131	ES3DV3	835	Body	0.997	56.122	PASS	PASS	PASS	GMSK	PASS	N/A
AM3	835	12/3/2018	7420	EX3DV4	835	Body	0.990	53.172	PASS	PASS	PASS	GMSK	PASS	N/A
AM6	1750	4/4/2018	3131	ES3DV3	1750	Body	1.543	54.544	PASS	PASS	PASS	N/A	N/A	N/A
AM1	1750	7/12/2018	3275	ES3DV3	1750	Body	1.548	52.213	PASS	PASS	PASS	N/A	N/A	N/A
AM1	1900	7/11/2018	3275	ES3DV3	1900	Body	1.565	51.519	PASS	PASS	PASS	GMSK	PASS	N/A
AM3	1900	11/30/2018	7420	EX3DV4	1900	Body	1.573	51.227	PASS	PASS	PASS	GMSK	PASS	N/A
AM1	2450	7/16/2018	3275	ES3DV3	2450	Body	2.004	52.717	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
AM1	2600	7/16/2018	3275	ES3DV3	2600	Body	2.144	52.469	PASS	PASS	PASS	TDD	PASS	N/A
AM2	5250	11/13/2018	7416	EX3DV4	5250	Body	5.514	48.030	PASS	PASS	PASS	OFDM	N/A	PASS
AM2	5600	11/13/2018	7416	EX3DV4	5600	Body	5.991	47.432	PASS	PASS	PASS	OFDM	N/A	PASS
AM2	5750	11/13/2018	7416	EX3DV4	5750	Body	6.190	47.195	PASS	PASS	PASS	OFDM	N/A	PASS

NOTE: While the probes have been calibrated for both CW and modulated signals, all measurements were performed using communication systems calibrated for CW signals only. Modulations in the table above represent test configurations for which the measurement system has been validated per FCC KDB Publication 865664 D01v01r04 for scenarios when CW probe calibrations are used with other signal types. SAR systems were validated for modulated signals with a periodic duty cycle, such as GMSK, or with a high peak to average ratio (>5 dB), such as OFDM according to FCC KDB Publication 865664 D01v01r04.

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APPENDIX G POWER REDUCTION VERIFICATION

Per the May 2017 TCBC Workshop Notes, demonstration of proper functioning of the power reduction mechanisms is required to support the corresponding SAR configurations. The verification process was divided into two parts: (1) evaluation of output power levels for individual or multiple triggering mechanisms and (2) evaluation of the triggering distances for proximity-based sensors.

G.1 Power Verification Procedure

The power verification was performed according to the following procedure:

1. A base station simulator was used to establish a conducted RF connection and the output power was monitored. The power measurements were confirmed to be within expected tolerances for all states before and after a power reduction mechanism was triggered.

2. Step 1 was repeated for all relevant modes and frequency bands for the mechanism being investigated.

3. Steps 1 and 2 were repeated for all individual power reduction mechanisms and combinations thereof. For the combination cases, one mechanism was switched to a 'triggered' state at a time; powers were confirmed to be within tolerances after each additional mechanism was activated.

G.2 Distance Verification Procedure

The distance verification procedure was performed according to the following procedure:

1. A base station simulator was used to establish an RF connection and to monitor the power levels. The device being tested was placed below the relevant section of the phantom with the relevant side or edge of the device facing toward the phantom.

2. The device was moved toward and away from the phantom to determine the distance at which the mechanism triggers and the output power is reduced, per KDB Publication 616217 D04v01r02 and FCC Guidance. Each applicable test position was evaluated. The distances were confirmed to be the same or larger (more conservative) than the minimum distances provided by the manufacturer.

3. Steps 1 and 2 were repeated for low, mid, and high bands, as appropriate (see note below Table G-2 for more details).

4. Steps 1 through 3 were repeated for all distance-based power reduction mechanisms.

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G.3 Main Antenna Verification Summary

Table G-1
Power Measurement Verification for Main Antenna

Mechanism(s)		Mode/Band	Conducted Power (dBm)		
1st	2nd		Un-triggered (Max)	Mechanism #1 (Reduced)	Mechanism #2 (Reduced)
Held-to-Ear		GSM1900	28.86	19.15	
Held-to-Ear		UMTS 1750	22.93	10.53	
Held-to-Ear		UMTS 1900	23.59	10.98	
Held-to-Ear		LTE FDD Band 4	23.53	10.44	
Held-to-Ear		LTE FDD Band 66	23.71	10.57	
Held-to-Ear		LTE FDD Band 2	23.25	9.91	
Held-to-Ear		LTE TDD Band 41	22.33	12.51	
Grip		GSM850	32.32	24.27	
Grip		GSM1900	28.77	19.68	
Grip		UMTS 850	23.82	13.97	
Grip		UMTS 1750	22.81	10.44	
Grip		UMTS 1900	23.38	10.98	
Grip		LTE FDD Band 12	24.18	16.82	
Grip		LTE FDD Band 17	23.90	16.76	
Grip		LTE FDD Band 5	24.21	16.90	
Grip		LTE FDD Band 4	23.81	10.79	
Grip		LTE FDD Band 66	23.69	10.56	
Grip		LTE FDD Band 2	24.07	10.89	
Grip		LTE TDD Band 41	22.37	12.49	
Held-to-Ear	Grip	GSM1900	28.82	19.26	19.37
Held-to-Ear	Grip	UMTS 1750	22.98	10.53	10.56
Held-to-Ear	Grip	UMTS 1900	23.60	10.97	11.00
Held-to-Ear	Grip	LTE FDD Band 4	23.57	10.42	10.40
Held-to-Ear	Grip	LTE FDD Band 66	23.86	10.67	10.76
Held-to-Ear	Grip	LTE FDD Band 2	23.43	9.92	9.95
Held-to-Ear	Grip	LTE TDD Band 41	22.37	12.36	12.18
Grip	Held-to-Ear	GSM1900	28.66	19.48	19.20
Grip	Held-to-Ear	UMTS 1750	22.93	10.41	10.40
Grip	Held-to-Ear	UMTS 1900	23.27	10.95	10.84
Grip	Held-to-Ear	LTE FDD Band 4	23.55	10.59	10.38
Grip	Held-to-Ear	LTE FDD Band 66	23.88	10.66	10.86
Grip	Held-to-Ear	LTE FDD Band 2	23.45	10.65	10.40
Grip	Held-to-Ear	LTE TDD Band 41	22.40	12.41	12.20

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Table G-2
Distance Measurement Verification for Main Antenna

Mechanism(s)	Test Condition	Band	Distance Measurements (mm)		Minimum Distance per Manufacturer (mm)
			Moving Toward	Moving Away	
Grip	Body - Back Side	Low	20	22	20
Grip	Body - Back Side	Mid	20	22	20
Grip	Body - Back Side	High	20	22	20
Grip	Body - Top Edge	Low	13	14	13
Grip	Body - Top Edge	Mid	13	14	13
Grip	Body - Top Edge	High	13	14	13
Grip	Body - Left Edge	Low	8	10	8
Grip	Body - Left Edge	Mid	8	10	8
Grip	Body - Left Edge	High	8	10	8

*Note: Low band refers to: GSM850, UMTS B5, LTE B5/12/17; Mid band refers to: GSM1900, UMTS B2/4, LTE B2/4//66; High band refers to: LTE B41

G.4 WIFI Verification Summary

Table G-3
Power Measurement Verification WIFI

Mechanism(s)	Mode/Band	Conducted Power (dBm)	
1st		Un-triggered (Max)	Mechanism #1 (Reduced)
Grip	802.11b	17.29	10.05
Grip	802.11g	15.55	11.53
Grip	802.11n (2.4GHz)	14.53	10.36
Grip	802.11a	11.14	8.31
Grip	802.11n (5GHz, 20MHz BW)	11.09	8.24
Grip	802.11ac (20MHz BW)	11.79	8.05
Grip	802.11n (5GHz, 40MHz BW)	11.92	8.48
Grip	802.11ac (40MHz BW)	11.91	8.45
Grip	802.11ac (80MHz BW)	10.62	8.21

Table G-4
Distance Measurement Verification for WIFI

Mechanism(s)	Test Condition	Band	Distance Measurements (mm)		Minimum Distance per Manufacturer (mm)
			Moving Toward	Moving Away	
Grip	Body - Back Side	2.4GHz	7	8	7
Grip	Body - Back Side	5GHz	7	8	7

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APPENDIX H: DOWNLINK LTE CA RF CONDUCTED POWERS

1.1 LTE Downlink Only Carrier Aggregation Test Reduction Methodology

SAR test exclusion for LTE downlink Carrier Aggregation is determined by power measurements according to the number of component carriers (CCs) supported by the product implementation. Per April 2018 TCBC Workshop Notes, the following test reduction methodology was applied to determine the combinations required for conducted power measurements.

LTE DLCA Test Reduction Methodology:

- The supported combinations were arranged by the number of component carriers in columns.
- Any limitations on the PCC or SCC for each combination were identified alongside the combination (e.g. CA_2A-2A-4A-12A, but B12 can only be configured as a SCC).
- Power measurements were performed for "supersets" (LTE CA combinations with multiple components carriers) and any "subsets" (LTE CA combinations with fewer component carriers) that were not completely covered by the supersets.
- Only subsets that have the exact same components as a superset were excluded for measurement.
- When there were certain restrictions on component carriers that existed in the superset that were not applied for the subset, the subset configuration was additionally evaluated.
- Both inter-band and intra-band downlink carrier aggregation scenarios were considered.
- Downlink CA combinations for SISO and 4x4 Downlink MIMO operations were measured independently, per May 2017 TCBC Workshop notes.

Table 1 – Example of Exclusion Table for SISO Configurations

Index	2CC	Supported Channel Bandwidth [MHz]		Restriction	Completely Covered by Measurement Superset
		CC1	CC2		
2CC #1	CA_2C	5, 10, 15, 20	5, 10, 15, 20		3CC #1
2CC #2	CA_2A-5A	5, 10, 15, 20	5, 10		3CC #1
2CC #3	CA_2A-12A	5, 10, 15, 20	5, 10		3CC #3
2CC #4	CA_2A-13A	5, 10, 15, 20	10		3CC #9
2CC #5	CA_2A-17A	5, 10	5, 10		No
2CC #6	CA_2A-30A	5, 10, 15, 20	5, 10		3CC #14
2CC #8	CA_2A-66A (2)	5, 10, 15, 20	5, 10, 15, 20		3CC #1
2CC #9	CA_2A-71A	5, 10, 15, 20	5, 10, 15, 20		3CC #10
2CC #10	CA_4A-4A	5, 10, 15, 20	5, 10, 15, 20		3CC #8
2CC #11	CA_4A-5A (1)	5, 10, 15, 20	5, 10		3CC #3
2CC #12	CA_4A-12A (4)	5, 10, 15, 20	5, 10		3CC #8
2CC #13	CA_4A-13A	5, 10, 15, 20	10		3CC #9
2CC #14	CA_4A-17A	5, 10	5, 10	B17 SCC Only	No
2CC #15	CA_5B	5, 10	5, 10		3CC #3
2CC #16	CA_5A-20A	5, 10	5, 10, 15, 20		No
2CC #17	CA_7C	15, 20	15, 20		No
2CC #18	CA_7A-7A (3)	5, 10, 15, 20	5, 10, 15, 20		No
2CC #19	CA_7A-12A	5, 10, 15, 20	5, 10		3CC #12
2CC #20	CA_12B	5	5		3CC #11
2CC #21	CA_12A-25A	5, 10	5, 10, 15, 20		No
2CC #22	CA_12A-30A	5, 10	5, 10		3CC #14
2CC #23	CA_41A-41A (1)	5, 10, 15, 20	5, 10, 15, 20		No

Index	3CC	Supported Channel Bandwidth [MHz]			Restriction	Completely Covered by Measurement Superset
		CC1	CC2	CC3		
3CC #1	CA_2A-2A-4A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		4CC #1
3CC #2	CA_2A-2A-5A	5, 10, 15, 20	5, 10, 15, 20	5, 10		4CC #1
3CC #3	CA_2A-2A-12A	5, 10, 15, 20	5, 10, 15, 20	5, 10		No
3CC #4	CA_2C-66A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		No
3CC #5	CA_2A-2A-71A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		No
3CC #6	CA_2A-4A-4A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		No
3CC #7	CA_2A-4A-5A	5, 10, 15, 20	5, 10, 15, 20	5, 10		4CC #1
3CC #8	CA_2A-4A-12A	5, 10, 15, 20	5, 10, 15, 20	5, 10		No
3CC #9	CA_2A-4A-13A	5, 10, 15, 20	5, 10, 15, 20	10		No
3CC #10	CA_2A-4A-71A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		No
3CC #11	CA_2A-5B	5, 10, 15, 20	5, 10	5, 10		4CC #5
3CC #12	CA_2A-7A-12A	5, 10, 15, 20	5, 10, 15, 20	5, 10		No
3CC #13	CA_2A-12B	5, 10, 15, 20	5	5, 10		No
3CC #14	CA_2A-12A-30A	5, 10, 15, 20	5, 10	5, 10		No
3CC #15	CA_4A-4A-5A	5, 10, 15, 20	5, 10, 15, 20	5, 10		No
3CC #16	CA_5B-30A	5, 10	5, 10	5, 10		4CC #1
3CC #17	CA_5B-66A	5, 10	5, 10	5, 10, 15, 20		4CC #1
3CC #18	CA_5A-30A-66A	5, 10	5, 10	5, 10, 15, 20		4CC #9
3CC #19	CA_12A-66C	5, 10	5, 10, 15, 20	5, 10, 15, 20		No
3CC #20	CA_30A-66A-66A	5, 10	5, 10, 15, 20	5, 10, 15, 20		4CC #9
3CC #21	CA_41D	10, 15, 20	10, 15, 20	10, 15, 20		No
3CC #22	CA_41A-41C	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		No
3CC #23	CA_66D	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		No
3CC #24	CA_66A-66C	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		No

Index	4CC	Supported Channel Bandwidth [MHz]				Restriction	Completely Covered by Measurement Superset
		CC1	CC2	CC3	CC4		
4CC #1	CA_2A-4A-5A	5, 10, 15, 20	5, 10, 15, 20	5, 10	5, 10		No
4CC #2	CA_2A-4A-12A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20	5, 10	B12 SCC Only	No
4CC #3	CA_2A-2A-5A-30A	5, 10, 15, 20	5, 10, 15, 20	5, 10	5, 10		No
4CC #4	CA_2A-2A-5A-66A	5, 10, 15, 20	5, 10, 15, 20	5, 10	5, 10, 15, 20		No
4CC #5	CA_2A-5B-30A	5, 10, 15, 20	5, 10	5, 10	5, 10		5CC #1
4CC #6	CA_2A-5B-66A	5, 10, 15, 20	5, 10	5, 10	5, 10, 15, 20		5CC #1
4CC #7	CA_5B-30A-66A	5, 10	5, 10	5, 10	5, 10		5CC #1
4CC #8	CA_5B-66A-66A	5, 10	5, 10	5, 10, 15, 20	5, 10, 15, 20		5CC #2
4CC #9	CA_5A-30A-66A-66A	5, 10	5, 10	5, 10, 15, 20	5, 10, 15, 20		No
4CC #10	CA_66E	15, 20	15, 20	15, 20	20		No

Index	SCC	Supported Channel Bandwidth [MHz]				Restriction	Completely Covered by Measurement Superset
		CC1	CC2	CC3	CC4		
SCC #1	CA_2A-5B-30A-66A	5, 10, 15, 20	5, 10	5, 10	5, 10, 15, 20		No
SCC #2	CA_2A-5B-66A-66A	5, 10, 15, 20	5, 10	5, 10	5, 10, 15, 20	5, 10, 15, 20	No

Table 2 – Example of Exclusion Table for 4x4 Downlink MIMO Configurations

Index	2CC	Supported Channel Bandwidth [MHz]		Restriction	Completely Covered by Measurement Superset
		CC1	CC2		
2CC #M1	CA_[2C]	5, 10, 15, 20	5, 10, 15, 20		3CC #M6
2CC #M2	CA_[2A]-2A	5, 10, 15, 20	5, 10, 15, 20		3CC #M1
2CC #M3	CA_[2A]-[2A]	5, 10, 15, 20	5, 10, 15, 20		No
2CC #M4	CA_[2A]-4A (2)	5, 10, 15, 20	5, 10, 15, 20		3CC #M1
2CC #M5	CA_[2A]-[4A] (2)	5, 10, 15, 20	5, 10, 15, 20		No
2CC #M6	CA_[2A]-5A	5, 10, 15, 20	5, 10		4CC #M3
2CC #M7	CA_[2A]-12A (1)	5, 10, 15, 20	3, 5, 10		No
2CC #M8	CA_[2A]-13A	5, 10, 15, 20	10		3CC #M4
2CC #M9	CA_[2A]-17A	5, 10	5, 10		No
2CC #M10	CA_[2A]-29A (2)	5, 10, 15, 20	5, 10	B29 SCC Only	3CC #M12
2CC #M11	CA_[2A]-30A	5, 10, 15, 20	5, 10		3CC #M5
2CC #M12	CA_[2A]-66A (2)	5, 10, 15, 20	5, 10, 15, 20		4CC #M1
2CC #M13	CA_[2A-66A] (2)	5, 10, 15, 20	5, 10, 15, 20		4CC #M2
2CC #M14	CA_[2A]-[66A] (2)	5, 10, 15, 20	5, 10, 15, 20		No
2CC #M15	CA_[2A]-71A	5, 10, 15, 20	5, 10, 15, 20		3CC #M11
2CC #M16	CA_5A-[66A]	5, 10	5, 10, 15, 20		3CC #M16
2CC #M17	CA_12A-[66A] (4)	5, 10	5, 10, 15, 20		3CC #M17
2CC #M18	CA_13A-[66A]	5, 10	5, 10, 15, 20		3CC #M19
2CC #M19	CA_30A-[66A]	5, 10	5, 10, 15, 20		3CC #M20
2CC #M20	CA_[66B]	5, 10, 15	5, 10, 15		4CC #M4
2CC #M21	CA_[66C]	5, 10, 15, 20	5, 10, 15, 20		4CC #M6
2CC #M22	CA_[66A]-66A	5, 10, 15, 20	5, 10, 15, 20		3CC #M28
2CC #M23	CA_[66A]-[66A]	5, 10, 15, 20	5, 10, 15, 20		No

Index	3CC	Supported Channel Bandwidth [MHz]			Restriction	Completely Covered by Measurement Superset
		CC1	CC2	CC3		
3CC #M1	CA_[2A]-2A-4A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		No
3CC #M2	CA_[2A]-2A-5A	5, 10, 15, 20	5, 10, 15, 20	5, 10		No
3CC #M3	CA_[2A]-2A-12A	5, 10, 15, 20	5, 10, 15, 20	5, 10		No
3CC #M4	CA_[2A]-2A-13A	5, 10, 15, 20	5, 10, 15, 20	10		No
3CC #M5	CA_[2A]-2A-30A	5, 10, 15, 20	5, 10, 15, 20	5, 10		No
3CC #M6	CA_[2C]-66A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		No
3CC #M7	CA_2C-[66A]	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		No
3CC #M8	CA_[2C]-[66A]	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		No
3CC #M9	CA_[2A]-2A-66A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		No
3CC #M10	CA_2A-2A-[66A]	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		No
3CC #M11	CA_[2A]-2A-71A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		No
3CC #M12	CA_[2A]-4A-29A	5, 10, 15, 20	5, 10, 15, 20	5, 10	B29 SCC Only	No
3CC #M13	CA_[2A]-4A-71A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		No
3CC #M14	CA_[2A]-5B	5, 10, 15, 20	5, 10	5, 10		4CC #M1
3CC #M15	CA_[2A]-5A-66A	5, 10, 15, 20	5, 10	5, 10, 15, 20		No
3CC #M16	CA_2A-5A-[66A]	5, 10, 15, 20	5, 10	5, 10, 15, 20		No
3CC #M17	CA_2A-12A-[66A]	5, 10, 15, 20	5, 10	5, 10, 15, 20		No
3CC #M18	CA_[2A]-13A-66A	5, 10, 15, 20	5, 10	5, 10, 15, 20		No
3CC #M19	CA_2A-13A-[66A]	5, 10, 15, 20	5, 10	5, 10, 15, 20		No
3CC #M20	CA_2A-30A-[66A]	5, 10, 15, 20	5, 10	5, 10, 15, 20		No
3CC #M21	CA_[2A]-66B	5, 10, 15, 20	5, 10, 15	5, 10, 15		4CC #M3
3CC #M22	CA_2A-[66B]	5, 10, 15, 20	5, 10, 15	5, 10, 15		4CC #M4
3CC #M23	CA_[2A]-[66B]	5, 10, 15, 20	5, 10, 15	5, 10, 15		No
3CC #M24	CA_[2A]-66C	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		4CC #M5
3CC #M25	CA_2A-[66C]	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		4CC #M6
3CC #M26	CA_[2A]-[66C]	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		No
3CC #M27	CA_[2A]-66A-66A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		No
3CC #M28	CA_2A-[66A]-66A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		No
3CC #M29	CA_[2A]-66A-71A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		No

Note: [CC] indicates component carrier with 4x4 DL MIMO antenna configuration

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1.2 LTE Downlink Only Carrier Aggregation Test Selection and Setup

SAR test exclusion for LTE downlink Carrier Aggregation is determined by power measurements according to the number component carriers (CCs) supported by the product implementation. For those configurations required by April 2018 TCBC Workshop Notes, conducted power measurements with LTE Carrier Aggregation (CA) (downlink only) active are made in accordance to KDB Publication 941225 D05Av01r02. The RRC connection is only handled by one cell, the primary component carrier (PCC) for downlink and uplink communications. After making a data connection to the PCC, the UE device adds secondary component carrier(s) (SCC) on the downlink only. All uplink communications and acknowledgements remain identical to specifications when downlink carrier aggregation is inactive on the PCC. Additional conducted output powers are measured with the downlink carrier aggregation active for the configuration with highest measured maximum conducted power with downlink carrier aggregation inactive measured among the channel bandwidth, modulation, and RB combinations in each frequency band.

Per FCC KDB Publication 941225 D05Av01r02, no SAR measurements are required for carrier aggregation configurations when the maximum average output power with downlink only carrier aggregation active is not more than 0.25 dB higher than the average output power with downlink only carrier aggregation inactive. All bands required for SAR testing per FCC KDB procedures were considered. Based on the measured maximum powers below, no additional SAR tests were required for DLCA SAR configurations.

General PCC and SCC configuration selection procedure

- PCC uplink channel, channel bandwidth, modulation and RB configurations were selected based on section C)3)b)ii) of KBD 941225 D05 V01r02. The downlink PCC channel was paired with the selected PCC uplink channel according to normal configurations without carrier aggregation.
- To maximize aggregated bandwidth, highest channel bandwidth available for that CA combination was selected for SCC. For inter-band CA, the SCC downlink channels were selected near the middle of their transmission bands. For contiguous intra-band CA, the downlink channel spacing between the component carriers was set to multiple of 300 kHz less than the nominal channel spacing defined in section 5.4.1A of 3GPP TS 36.521. For non-contiguous intra-band CA, the downlink channel spacing between the component carriers was set to be larger than the nominal channel spacing and provided maximum separation between the component carriers.
- All selected PCC and SCC(s) remained fully within the uplink/downlink transmission band of the respective component carrier.

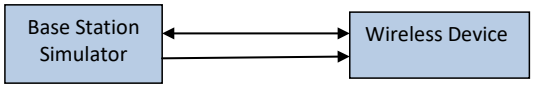


Figure 1
DL CA Power Measurement Setup

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1.3 Downlink Carrier Aggregation RF Conducted Powers

1.3.1 LTE Band 12 as PCC

Table 1
Maximum Output Powers

	PCC									SCC 1				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_12A-66A (1)	LTE B12	5	23155	713.5	QPSK	1	12	5155	743.5	LTE B66	20	66786	2145	24.01	24.02
CA_12A-66A (2)	LTE B12	5	23155	713.5	QPSK	1	12	5155	743.5	LTE B66	20	66786	2145	24.01	24.02

Table 2
Reduced Output Powers

	PCC									SCC 1				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_12A-66A (1)	LTE B12	5	23155	713.5	16QAM	1	0	5155	743.5	LTE B66	20	66786	2145	16.95	16.99
CA_12A-66A (2)	LTE B12	5	23155	713.5	16QAM	1	0	5155	743.5	LTE B66	20	66786	2145	16.95	16.99

1.3.2 LTE Band 5 as PCC

Table 3
Maximum Output Powers

	PCC									SCC 1				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_4A-5A (1)	LTE B5	5	20425	826.5	QPSK	1	24	2425	871.5	LTE B4	20	2175	2132.5	23.99	24.20
CA_5B	LTE B5	5	20425	826.5	QPSK	1	24	2425	871.5	LTE B5	10	2497	878.7	24.14	24.20
CA_5B (1)	LTE B5	3	20635	847.5	QPSK	1	0	2635	892.5	LTE B5	5	2596	888.6	24.14	24.28
CA_5A-66A	LTE B5	5	20425	826.5	QPSK	1	24	2425	871.5	LTE B66	20	66786	2145	24.03	24.20

Table 4
Reduced Output Powers

	PCC									SCC 1				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_4A-5A (1)	LTE B5	5	20625	846.5	QPSK	1	0	2625	891.5	LTE B4	20	2175	2132.5	16.91	16.97
CA_5B	LTE B5	5	20625	846.5	QPSK	1	0	2625	891.5	LTE B5	10	2553	884.3	16.97	16.97
CA_5B (1)	LTE B5	5	20625	846.5	QPSK	1	0	2625	891.5	LTE B5	5	2577	886.7	16.96	16.97
CA_5A-66A	LTE B5	5	20625	846.5	QPSK	1	0	2625	891.5	LTE B66	20	66786	2145	16.93	16.97

1.3.3 LTE Band 66 as PCC

Table 5
Maximum Output Powers

	PCC									SCC 1				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_5A-66A	LTE B66	20	132572	1770	QPSK	1	50	67036	2170	LTE B5	10	2525	881.5	24.32	24.32
CA_12A-66A (1)	LTE B66	20	132572	1770	QPSK	1	50	67036	2170	LTE B12	10	5095	737.5	24.29	24.32
CA_12A-66A (2)	LTE B66	20	132572	1770	QPSK	1	50	67036	2170	LTE B12	10	5095	737.5	24.29	24.32
CA_66A-66A	LTE B66	20	132572	1770	QPSK	1	50	67036	2170	LTE B66	20	66536	2120	24.24	24.32
CA_66B	LTE B66	5	132647	1777.5	QPSK	1	24	67111	2177.5	LTE B66	15	67018	2168.2	24.13	24.20
CA_66C	LTE B66	20	132572	1770	QPSK	1	50	67036	2170	LTE B66	20	66838	2150.2	24.24	24.32

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Table 6
Reduced Output Powers

	PCC									SCC 1				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_5A-66A	LTE B66	20	132322	1745	16QAM	1	99	66786	2145	LTE B5	10	2525	881.5	10.71	11.00
CA_12A-66A (1)	LTE B66	20	132322	1745	16QAM	1	99	66786	2145	LTE B12	10	5095	737.5	10.55	11.00
CA_12A-66A (2)	LTE B66	20	132322	1745	16QAM	1	99	66786	2145	LTE B12	10	5095	737.5	10.55	11.00
CA_66A-66A	LTE B66	20	132322	1745	16QAM	1	99	66786	2145	LTE B66	20	67236	2190	10.96	11.00
CA_66B	LTE B66	15	132597	1772.5	16QAM	1	0	67061	2172.5	LTE B66	5	66968	2163.2	10.75	11.00
CA_66C	LTE B66	20	132322	1745	16QAM	1	99	66786	2145	LTE B66	20	66588	2125.2	10.87	11.00

1.3.4 LTE Band 2 as PCC

Table 7
Maximum Output Powers

	PCC									SCC 1				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_2A-2A	LTE B2	5	18625	1852.5	QPSK	1	24	625	1932.5	LTE B2	20	1100	1980	24.11	24.15
CA_2A-12A (1)	LTE B2	5	18625	1852.5	QPSK	1	24	625	1932.5	LTE B12	10	5095	737.5	24.11	24.15

Table 8
Reduced Output Powers

	PCC									SCC 1				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_2A-2A	LTE B2	20	18700	1860	16QAM	1	99	700	1940	LTE B2	20	1100	1980	10.45	11.00
CA_2A-12A (1)	LTE B2	20	18700	1860	16QAM	1	99	700	1940	LTE B12	10	5095	737.5	10.54	11.00

1.3.5 LTE Band 41 as PCC

Table 9
Maximum Output Powers

	PCC									SCC 1				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_41C (1)	LTE B41	5	40620	2593	QPSK	1	0	40620	2593	LTE B41	20	40737	2604.7	23.17	23.19
CA_41A-41A (1)	LTE B41	5	40620	2593	QPSK	1	0	40620	2593	LTE B41	20	39750	2506	23.16	23.19

Table 10
Reduced Output Powers

	PCC									SCC 1				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_41C (1)	LTE B41	20	40185	2549.5	16QAM	1	0	40185	2549.5	LTE B41	20	40383	2569.3	13.06	13.25
CA_41A-41A (1)	LTE B41	20	40185	2549.5	16QAM	1	0	40185	2549.5	LTE B41	20	41490	2680	12.96	13.25

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