

10558- AAA	IEEE 1602.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	X	5.98	67.19	16.27	0.00	150.0	± 9.6 %
		Y	6.03	67.25	16.30		150.0	
		Z	6.00	67.22	16.26		150.0	
10560- AAA	IEEE 1602.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	X	5.97	67.05	16.24	0.00	150.0	± 9.6 %
		Y	6.03	67.11	16.26		150.0	
		Z	6.00	67.09	16.23		150.0	1000
10561- AAA	IEEE 1602.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	X	5.90	67.03	16.26	0.00	150.0	± 9.6 %
		Y	5.95	67.07	16.28		150.0	
	V.KC.	Z	5.92	67.05	16.25		150.0	
10562- AAA	IEEE 1602.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	X	6.00	67.34	16.42	0.00	150.0	± 9.6 %
		Y	6.07	67.46	16.47		150.0	
		Z	6.03	67.39	16.42		150.0	
10563- AAA	IEEE 1602.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	X	6.12	67.33	16.37	0.00	150.0	± 9.6 %
		Y	6.33	67.84	16.62		150.0	
		Z	6.22	67.58	16.47		150.0	
10564- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 9 Mbps, 99pc duty cycle)	X	4.82	66.72	16.26	0.46	150.0	± 9.6 %
		Y	4.88	66.71	16.29		150.0	
		Z	4.85	66.70	16.25		150.0	
10565- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 12 Mbps, 99pc duty cycle)	X	5.04	67.16	16.59	0.46	150.0	± 9.6 %
		Y	5.12	67.16	16.62		150.0	
200		Z	5.08	67.16	16.58		150.0	
10566- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 18 Mbps, 99pc duty cycle)	X	4.87	66.99	16.39	0.46	150.0	± 9.6 %
		Y	4.95	67.00	16.43		150.0	
	DAMES AND THE OWNER THE SAME	Z	4.91	66.99	16.38		150.0	
10567- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 24 Mbps, 99pc duty cycle)	X	4.91	67.40	16.77	0.46	150.0	± 9.6 %
		Y	4.98	67.39	16.78		150.0	
	ALCON CONTRACTOR AND A READ AND A	Z	4.95	67.42	16.77		150.0	
10568- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 36 Mbps, 99pc duty cycle)	X	4.78	66.73	16.14	0.46	150.0	± 9.6 %
		Y	4.86	66.77	16.20		150.0	
	100000000000000000000000000000000000000	Z	4.82	66.72	16.12		150.0	
10569- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 48 Mbps, 99pc duty cycle)	X	4.87	67.52	16.84	0.46	150.0	± 9.6 %
		Y	4.92	67.45	16.82		150.0	
		Z	4.90	67.50	16.82		150.0	
10570- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 54 Mbps, 99pc duty cycle)	X	4.90	67.36	16.78	0.46	150.0	± 9.6 %
		Y	4.97	67.31	16.76		150.0	
	A Eastern and a state of the second	Z	4.94	67.35	16.75		150.0	
10571- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	х	1.15	63.68	14.91	0.46	130.0	± 9.6 %
		Y	1.16	63.96	15.15		130.0	
		Z	1.16	63.74	14.90		130.0	
10572- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps. 90pc duty cycle)	X	1.16	64.17	15.22	0.46	130.0	± 9.6 %
		Y	1.18	64.46	15.46		130.0	
		Z	1.17	64.22	15.21		130.0	2000
10573- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	X	1.12	74.63	18.77	0.46	130.0	± 9.6 %
		Y	1.36	77.97	20.13		130.0	
	A MARK TO DO LOT MARK TO MARK TO D	Z	1.14	74.59	18.64		130.0	
10574- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	X	1.20	68.65	17.56	0.46	130.0	± 9.6 %
		Y	1.24	69.24	17.90		130.0	
	Carlos and a second second second	Z	1.22	68.76	17.56		130.0	
		14	1.22	00.70	17.00		100.0	

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10575- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 90pc duty cycle)	X	4.59	66.43	16.23	0.46	130.0	±9.6 %
		Y	4.66	66.45	16.30		130.0	
		Z	4.63	66.42	16.22		130.0	
10576- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 9 Mbps, 90pc duty cycle)	X	4.62	66.61	16.31	0.46	130.0	± 9.6 %
		Y	4.68	66.61	16.36		130.0	
		Z	4.65	66.59	16.29		130.0	
10577- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 12 Mbps, 90pc duty cycle)	X	4.81	66.89	16.48	0.46	130.0	±9.6 %
	and the second s	Y	4.89	66.92	16.54		130.0	
		Z	4.85	66.89	16.47		130.0	
10578- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 18 Mbps, 90pc duty cycle)	X	4.71	67.05	16.59	0.46	130.0	±9.6 %
		Y	4.79	67.06	16.63		130.0	
		Z	4.75	67.05	16.58		130.0	
10579- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 24 Mbps, 90pc duty cycle)	X	4.46	66.25	15.84	0.46	130.0	± 9.6 %
		Y	4.55	66.36	15.95		130.0	
	and the second se	Z	4.50	66.26	15.83		130.0	
10580- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 36 Mbps, 90pc duty cycle)	X	4.51	66.30	15.86	0.46	130.0	±9.6 %
		Y	4.60	66.39	15.97		130.0	
		Z	4.55	66.30	15.85		130.0	
10581- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 48 Mbps, 90pc duty cycle)	X	4.60	67.07	16.52	0.46	130.0	±9.6 %
	The second se	Y	4.68	67.08	16.55		130.0	1.
		Z	4.64	67.07	16.50		130.0	
10582- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 54 Mbps, 90pc duty cycle)	X	4.40	66.00	15.61	0.46	130.0	± 9.6 %
		Y	4.50	66.13	15.74		130.0	
		Z	4.45	66.01	15.61		130.0	
10583- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	X	4.59	66.43	16.23	0.46	130.0	± 9.6 %
		Y	4.66	66.45	16.30		130.0	
		Z	4.63	66.42	16.22		130.0	
10584- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	X	4.62	66.61	16.31	0.46	130.0	± 9.6 %
		Y	4.68	66.61	16.36		130.0	
		Z	4.65	66.59	16.29		130.0	
10585- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	X	4.81	66.89	16.48	0.46	130.0	± 9.6 %
		Y	4.89	66.92	16.54		130.0	
		Z	4.85	66.89	16.47		130.0	
10586- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	X	4.71	67.05	16.59	0.46	130.0	± 9.6 %
		Y	4.79	67.06	16.63		130.0	
		Z	4.75	67.05	16.58		130.0	
10587- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	X	4.46	66.25	15.84	0.46	130.0	± 9.6 %
		Y	4.55	66.36	15.95		130.0	
		Z	4.50	66.26	15.83		130.0	
10588- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	X	4.51	66.30	15.86	0.46	130.0	± 9.6 %
	, . , , . , . , . , . , . , . , . ,	Y	4.60	66.39	15.97		130.0	
		Z	4.55	66.30	15.85		130.0	1.1
10589- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	X	4.60	67.07	16.52	0.46	130.0	± 9.6 %
		Y	4.68	67.08	16.55		130.0	
		Z	4.64	67.07	16.50		130.0	
10590- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	X	4.40	66.00	15.61	0.46	130.0	± 9.6 %
		Y	4.50	66.13	15.74		130.0	
		Z	4.45	66.01	15.61		130.0	
		14	4.40	00.01	10.01		1 100.0	

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10591- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	X	4.75	66.52	16.35	0.46	130.0	±9.6 %
		Y	4.81	66.52	16.40		130.0	
		Z	4.78	66.51	16.34		130.0	
10592- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	X	4.89	66.84	16.48	0.46	130.0	± 9.6 %
		Y	4.97	66.86	16.53		130.0	
		Z	4.93	66.84	16.47		130.0	
10593- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	X	4.81	66.73	16.35	0.46	130.0	± 9.6 %
	2 W L L L L L L L L L L L L L L L L L L	Y	4.89	66.77	16.41		130.0	
	NIS	Z	4.85	66.73	16.34		130.0	
10594- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	x	4.86	66.91	16.51	0.46	130.0	± 9.6 %
		Y	4.94	66.93	16.56		130.0	
		Z	4.90	66.91	16.50		130.0	
10595- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	x	4.83	66.85	16.40	0.46	130.0	±9.6 %
		Y	4.91	66.88	16.46		130.0	
		Z	4.87	66.85	16.39		130.0	1.2.1.1
10596- IEEE 802.11n (HT Mixed, 20MHz, AAA MCS5, 90pc duty cycle)		X	4.76	66.83	16.40	0.46	130.0	± 9.6 %
		Y	4.85	66.87	16.46		130.0	
		Z	4.80	66.83	16.38		130.0	
10597- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle)	X	4.71	66.72	16.27	0.46	130.0	± 9.6 %
		Y	4.79	66.78	16.35		130.0	
		Z	4.75	66.73	16.26	and the second second	130.0	
	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	X	4.70	66.97	16.55	0.46	130.0	± 9.6 %
		Y	4.78	67.01	16.60	-	130.0	
		Z	4.74	66.98	16.54		130.0	
10599- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	X	5.41	67.02	16.56	0.46	130.0	± 9.6 %
		Y	5.48	67.08	16.61		130.0	
		Z	5.45	67.06	16.56		130.0	
10600- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	X	5.53	67.40	16.73	0.46	130.0	± 9.6 %
	0.066	Y	5.61	67.47	16.78		130.0	
		Z	5.56	67.40	16.70		130.0	
10601- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	X	5.43	67.18	16.64	0.46	130.0	± 9.6 %
		Y	5.50	67.24	16.68		130.0	
	17.030 C 10 C 10 B B 10 C 10 K 20 C	Z	5.46	67.19	16.61		130.0	
10602- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	X	5.54	67.27	16.59	0.46	130.0	± 9.6 %
		Y	5.59	67.24	16.60		130.0	
	100 I I I I I I I I I I I I I I I I I I	Z	5.55	67.21	16.54		130.0	
10603- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)	х	5.60	67.54	16.87	0.46	130.0	± 9.6 %
		Y	5.68	67.57	16.90		130.0	
		Z	5.63	67.52	16.83		130.0	
10604- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)	X	5.46	67.15	16.66	0.46	130.0	± 9.6 %
	All the second se	Y	5.48	67.04	16.62		130.0	
		Z	5.46	67.05	16.58		130.0	
10605- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)	X	5.53	67.33	16.74	0.46	130.0	± 9.6 %
	Land Land Land Land Land Land Land Land	Y	5.59	67.35	16.77		130.0	
		Z	5.55	67.31	16.70		130.0	
10606- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)	X	5.26	66.63	16.24	0.46	130.0	± 9.6 %
		Y	5.35	66.76	16.34		130.0	

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10607- AAA	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	X	4.58	65.82	15.97	0.46	130.0	±9.6 %
		Y	4.64	65.82	16.01		130.0	
		Z	4.61	65.80	15.95		130.0	
10608- AAA	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	X	4.75	66.20	16.13	0.46	130.0	±9.6 %
		Y	4.83	66.22	16.18		130.0	-
		Z	4.79	66.19	16.11		130.0	
10609- AAA	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	X	4.64	66.03	15.95	0.46	130.0	±9.6 %
		Y	4.72	66.07	16.02		130.0	
		Z	4.68	66.02	15.94		130.0	
10610- AAA	IEEE 802.11ac WiFi (20MHz, MCS3. 90pc duty cycle)	X	4.69	66.20	16.12	0.46	130.0	±9.6 %
	Superior The Second Second	Y	4.77	66.23	16.17		130.0	
		Z	4.73	66.19	16.11		130.0	
10611- AAA	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	X	4.61	65.99	15.96	0.46	130.0	± 9.6 %
		Y	4.69	66.03	16.02		130.0	
		Z	4.64	65.99	15.95		130.0	
10612- AAA	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	X	4.61	66.12	16.00	0.46	130.0	±9.6 %
		Y	4.70	66.18	16.06		130.0	-
	NY STATES AND A STATES	Z	4.65	66.12	15.98		130.0	
10613- AAA	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	X	4.61	65.99	15.87	0.46	130.0	±9.6 %
		Y	4.70	66.08	15.96		130.0	
	1.55	Z	4.65	66.00	15.86		130.0	
10614- AAA	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	X	4.56	66.21	16.12	0.46	130.0	±9.6 %
		Y	4.64	66.25	16.18		130.0	
		Z	4.60	66.21	16.11		130.0	
10615- AAA	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	X	4.60	65.81	15.72	0.46	130.0	±9.6 %
		Y	4.69	65.87	15.81		130.0	
		Z	4.64	65.79	15.71		130.0	
10616- AAA	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	x	5.23	66.28	16.18	0.46	130.0	±9.6 %
		Y	5.29	66.33	16.22		130.0	
		Z	5.26	66.29	16.17		130.0	
10617- AAA	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	X	5.29	66.46	16.24	0.46	130.0	± 9.6 %
		Y	5.36	66.48	16.27		130.0	
		Z	5.32	66.45	16.21		130.0	
10618- AAA	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	X	5.18	66.47	16.26	0.46	130.0	± 9.6 %
7		Y	5.24	66.50	16.29		130.0	
	20065	Z	5.21	66.46	16.24		130.0	
10619- AAA	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	X	5.19	66.25	16.09	0.46	130.0	± 9.6 %
	West of the second s	Y	5.26	66.32	16.14		130.0	
		Z	5.22	66.26	16.07		130.0	
10620- AAA	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	X	5.28	66.29	16.16	0.46	130.0	±9.6 %
		Y	5.36	66.37	16.22		130.0	
		Z	5.31	66.31	16.14		130.0	
10621- AAA	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	×	5.29	66.47	16.37	0.46	130.0	± 9.6 %
		Y	5.35	66.48	16.39		130.0	
	A LONG TO A LONG THE CONSTRUCT OF	Z	5.32	66.47	16.35		130.0	
10622- AAA	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	X	5.30	66.62	16.44	0.46	130.0	± 9.6 %
		_			10.10		100.0	
	A REAL TO BE REAL AND A REAL AND A REAL AND A	Y	5.36	66.63	16.45		130.0	

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10623- AAA	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	X	5.18	66.12	16.05	0.46	130.0	±9.6 %
		Y	5.24	66.18	16.11		130.0	
	A ZER CONTRACTOR OF CONTRACTOR	Z	5.21	66.13	16.03		130.0	
10624- AAA	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	X	5.37	66.33	16.23	0.46	130.0	± 9.6 %
		Y	5.43	66.38	16.27		130.0	
		Z	5.40	66.34	16.21	7.1.1.1	130.0	
10625- AAA	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	X	5.66	67.10	16.66	0.46	130.0	± 9.6 %
		Y	5.80	67.35	16.80		130.0	
		Z	5.73	67.22	16.70		130.0	
10626- AAA	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	×	5.54	66.36	16.15	0.46	130.0	± 9.6 %
		Y	5.58	66.40	16.18		130.0	1
		Z	5.56	66.37	16.13		130.0	
10627- AAA	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	X	5.76	66.90	16.39	0.46	130.0	± 9.6 %
		Y	5.82	66.93	16.41		130.0	
3		Z	5.78	66.89	16.35		130.0	
10628- AAA	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	X	5.55	66.39	16.06	0.46	130.0	± 9.6 %
		Y	5.62	66.51	16.13		130.0	
		Z	5.58	66.43	16.05		130.0	
10629- AAA	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	X	5.63	66.46	16.09	0.46	130.0	± 9.6 %
		Y	5.71	66.59	16.17		130.0	
		Z	5.65	66.47	16.07		130.0	
10630- AAA	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	X	5.98	67.71	16.72	0.46	130.0	± 9.6 %
		Y	6.12	68.01	16.88		130.0	
	A AND THE REPORT OF A DESCRIPTION OF A D	Z	6.03	67.80	16.73	2.2	130.0	
10631- AAA	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	X	5.93	67.68	16.90	0.46	130.0	± 9.6 %
		Y	6.03	67.84	16.98		130.0	
		Z	5.98	67.75	16.91		130.0	
10632- AAA	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	X	5.74	67.01	16.58	0.46	130.0	± 9.6 %
		Y	5.79	67.00	16.58		130.0	
		Z	5.76	66.99	16.55		130.0	
10633- AAA	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	X	5.62	66.59	16.20	0.46	130.0	± 9.6 %
		Y	5.68	66.67	16.24		130.0	
		Z	5.65	66.62	16.18		130.0	
10634- AAA	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	Х	5.60	66.63	16.28	0.46	130.0	± 9.6 %
		Y	5.67	66.70	16.32		130.0	
		Z	5.64	66.66	16.27		130.0	
10635- AAA	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	X	5.47	65.91	15.63	0.46	130.0	± 9.6 %
		Y	5.56	66.05	15.73		130.0	
		Z	5.51	65.94	15.62		130.0	
10636- AAA	IEEE 1602.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	X	5.95	66.72	16.24	0.46	130.0	± 9.6 %
1 S		Y	5.99	66.78	16.28		130.0	
1000-		Z	5.97	66.73	16.22		130.0	
10637- AAA	IEEE 1602.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	x	6.10	67.09	16.41	0.46	130.0	± 9.6 %
		Y	6.14	67.14	16.44		130.0	
		Z	6.11	67.09	16.38	11	130.0	
10638- AAA	IEEE 1602.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	X	6.10	67.06	16.37	0.46	130.0	± 9.6 %
_		Y	6.15	67.12	16.41		130.0	
		Z	6.12	67.07	16.35		130.0	

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10639- AAA	IEEE 1602.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	X	6.07	67.01	16.39	0.46	130.0	±9.6 %
		Y	6.13	67.09	16.44		130.0	
		Z	6.10	67.03	16.38		130.0	
10640- AAA	IEEE 1602.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	X	6.07	66.99	16.32	0.46	130.0	±9.6 %
		Y	6.14	67.11	16.39		130.0	
		Z	6.09	67.02	16.31	10,000	130.0	
10641- AAA	IEEE 1602.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	X	6.13	66.94	16.31	0.46	130.0	±9.6 %
		Y	6.17	66.99	16.35		130.0	
		Z	6.14	66.93	16.28		130.0	
10642- AAA 90pc duty cycle)	IEEE 1602.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	X	6.17	67.20	16.62	0.46	130.0	±9.6 %
		Y	6.22	67.26	16.65		130.0	
		Z	6.19	67.22	16.61		130.0	
10643- AAA	IEEE 1602.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	X	6.00	66.86	16.34	0.46	130.0	±9.6 %
		Y	6.05	66.94	16.39		130.0	
		Z	6.02	66.87	16.31		130.0	
10644- AAA	IEEE 1602.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	X	6.13	67.25	16.56	0.46	130.0	±9.6 %
		Y	6.22	67.46	16.67		130.0	
		Z	6.17	67.33	16.57		130.0	
10645- AAA	IEEE 1602.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	X	6.30	67.39	16.59	0.46	130.0	±9.6 %
1.1		Y	6.61	68.18	16.99		130.0	
		Z	6.44	67.75	16.73		130.0	
10646- AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	X	11.76	96.35	31.88	9.30	60.0	±9.6 %
		Y	19.05	107.46	35.85		60.0	
		Z	11.88	94.80	30.95		60.0	
10647- AAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	X	10.62	94.79	31.49	9.30	60.0	±9.6 %
		Y	16.98	105.61	35.43		60.0	
		Z	10.96	93.72	30.71		60.0	
10648- AAA	CDMA2000 (1x Advanced)	X	0.66	63.03	10.35	0.00	150.0	± 9.6 %
		Y	0.70	63.32	10.86		150.0	
		Z	0.69	63.19	10.65		150.0	

EX3DV4- SN:3759

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

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ANNEX B

DIPOLE CALIBRATION REPORTS

COMMERCIAL-IN-CONFIDENCE



ccredited by the Swiss Accredita he Swiss Accreditation Service	tion Service (SAS)		
	e is one of the signatorie	2.5 C	creditation No.: SCS 0108
ultilateral Agreement for the re	전 그는 것이 없는 것은 것이 없는 것을 못했네. 것 같아?		
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		or and the	
CALIBRATION C	ERTIFICATE		
Dbject	D5GHzV2 - SN:1	100	
Calibration procedure(s)	QA CAL-22.v2		
	Calibration proce	dure for dipole validation kits bet	ween 3-6 GHz
Calibration date:	December 13, 20	016	
ranoranori dato.	December 10, 20		
		ional standards, which realize the physical un	
		ional standards, which realize the physical un robability are given on the following pages ar	
The measurements and the unce	rtainties with confidence p	robability are given on the following pages ar	nd are part of the certificate.
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The measurements and the unce All calibrations have been conduct Calibration Equipment used (M& Primary Standards Power sensor NRP-Z91 Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Fype-N mismatch combination Reference Probe EX3DV4	ertainties with confidence p cted in the closed laborato TE critical for calibration) ID # SN: 104778 SN: 103244 SN: 103245 SN: 103245 SN: 5058 (20k) SN: 5047.2 / 06327	robability are given on the following pages ar ry facility: environment temperature (22 ± 3)° Cal Date (Certificate No.) 06-Apr-16 (No. 217-02288/02289) 06-Apr-16 (No. 217-02289) 05-Apr-16 (No. 217-02292) 05-Apr-16 (No. 217-02295)	nd are part of the certificate. C and humidity < 70%. Scheduled Calibration Apr-17 Apr-17 Apr-17 Apr-17 Apr-17 Apr-17 Apr-17
The measurements and the unce all calibrations have been conduct Calibration Equipment used (M& Primary Standards Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Reference Probe EX3DV4 DAE4	ertainties with confidence p cted in the closed laborato TE critical for calibration) ID # SN: 104778 SN: 103244 SN: 103245 SN: 5058 (20k) SN: 5047.2 / 06327 SN: 3503 SN: 601	robability are given on the following pages ar ry facility: environment temperature (22 ± 3)° Cal Date (Certificate No.) 06-Apr-16 (No. 217-02288/02289) 06-Apr-16 (No. 217-02289) 05-Apr-16 (No. 217-02289) 05-Apr-16 (No. 217-0229) 05-Apr-16 (No. 217-0229) 05-Apr-16 (No. 217-0229) 30-Jun-16 (No. EX3-3503_Jun16) 30-Dec-15 (No. DAE4-601_Dec15)	nd are part of the certificate. C and humidity < 70%. Scheduled Calibration Apr-17 Apr-17 Apr-17 Apr-17 Apr-17 Apr-17 Jun-17 Dec-16
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Certificate No: D5GHzV2-1100_Dec16

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Measurement Conditions

DASY system configuration, as far as not given on page 1.

DASY Version	DASY5	V52.8.8
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom V5.0	
Distance Dipole Center - TSL	10 mm	with Spacer
Zoom Scan Resolution	dx, dy = 4.0 mm, dz = 1.4 mm	Graded Ratio = 1.4 (Z direction)
Frequency	5200 MHz ± 1 MHz 5300 MHz ± 1 MHz 5500 MHz ± 1 MHz 5600 MHz ± 1 MHz 5800 MHz ± 1 MHz	

Head TSL parameters at 5200 MHz The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	36.0	4.66 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	34.8 ± 6 %	4.53 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C		

SAR result with Head TSL at 5200 MHz

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	7.64 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	75.8 W/kg ± 19.9 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR measured	100 mW input power	2.20 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	21.8 W/kg ± 19.5 % (k=2)

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Head TSL parameters at 5300 MHz The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	35.9	4.76 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	34.6 ± 6 %	4.63 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C		

SAR result with Head TSL at 5300 MHz

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	8.17 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	81.0 W / kg ± 19.9 % (k=2)
SAB averaged over 10 cm ³ (10 g) of Head TSI	condition	
SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	0.00 \\\\\
SAR averaged over 10 cm ³ (10 g) of Head TSL SAR measured	condition 100 mW input power	2.36 W/kg

Head TSL parameters at 5500 MHz

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	35.6	4.96 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	34.4 ± 6 %	4.82 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C		

SAR result with Head TSL at 5500 MHz

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	8.02 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	79.5 W/kg ± 19.9 % (k=2)
SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR averaged over 10 cm ³ (10 g) of Head TSL SAR measured	condition 100 mW input power	2.29 W/kg

Certificate No: D5GHzV2-1100_Dec16

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Head TSL parameters at 5600 MHz

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	35.5	5.07 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	34.2 ± 6 %	4.93 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C		

SAR result with Head TSL at 5600 MHz

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	8.15 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	80.8 W/kg ± 19.9 % (k=2)
SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR averaged over 10 cm ³ (10 g) of Head TSL SAR measured	condition 100 mW input power	2.34 W/kg

Head TSL parameters at 5800 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	35.3	5.27 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	33.9 ± 6 %	5.13 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C		

SAR result with Head TSL at 5800 MHz

SAR for nominal Head TSL parameters

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	7.67 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	76.0 W/kg ± 19.9 % (k=2)
SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	

normalized to 1W

21.7 W/kg ± 19.5 % (k=2)

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Body TSL parameters at 5200 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Body TSL parameters	22.0 °C	49.0	5.30 mho/m
Measured Body TSL parameters	(22.0 ± 0.2) °C	47.1 ± 6 %	5.46 mho/m ± 6 %
Body TSL temperature change during test	< 0.5 °C		

SAR result with Body TSL at 5200 MHz

SAR averaged over 1 cm ³ (1 g) of Body TSL	Condition	
SAR measured	100 mW input power	7.23 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	71.8 W/kg ± 19.9 % (k=2)

SAR averaged over 10 \mbox{cm}^3 (10 g) of Body TSL	condition	
SAR measured	100 mW input power	2.03 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	20.1 W/kg ± 19.5 % (k=2)

Body TSL parameters at 5300 MHz The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Body TSL parameters	22.0 °C	48.9	5.42 mho/m
Measured Body TSL parameters	(22.0 ± 0.2) °C	46.9 ± 6 %	5.59 mho/m ± 6 %
Body TSL temperature change during test	< 0.5 °C		

SAR result with Body TSL at 5300 MHz

SAR averaged over 1 cm ³ (1 g) of Body TSL	Condition	
SAR measured	100 mW input power	7.76 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	77.0 W/kg ± 19.9 % (k=2)
SAR averaged over 10 cm ³ (10 g) of Body TSL	condition	
SAR averaged over 10 cm ³ (10 g) of Body TSL SAR measured	condition 100 mW input power	2.18 W/kg

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Body TSL parameters at 5500 MHz

	Temperature	Permittivity	Conductivity
Nominal Body TSL parameters	22.0 °C	48.6	5.65 mho/m
Measured Body TSL parameters	(22.0 ± 0.2) °C	46.5 ± 6 %	5.86 mho/m ± 6 %
Body TSL temperature change during test	< 0.5 °C		

SAR result with Body TSL at 5500 MHz

SAR averaged over 1 cm ³ (1 g) of Body TSL	Condition	
SAR measured	100 mW input power	7.90 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	78.4 W/kg ± 19.9 % (k=2)

SAR averaged over 10 $\rm cm^3$ (10 g) of Body TSL	condition	
SAR measured	100 mW input power	2.19 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	21.7 W/kg ± 19.5 % (k=2)

Body TSL parameters at 5600 MHz The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Body TSL parameters	22.0 °C	48.5	5.77 mho/m
Measured Body TSL parameters	(22.0 ± 0.2) °C	46.4 ± 6 %	6.00 mho/m ± 6 %
Body TSL temperature change during test	< 0.5 °C		

SAR result with Body TSL at 5600 MHz

SAR averaged over 1 cm ³ (1 g) of Body TSL	Condition	
SAR measured	100 mW input power	7.83 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	77.7 W/kg ± 19.9 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Body TSL	condition	
SAR measured	100 mW input power	2.19 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	21.7 W/kg ± 19.5 % (k=2)

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Body TSL parameters at 5800 MHz The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Body TSL parameters	22.0 °C	48.2	6.00 mho/m
Measured Body TSL parameters	(22.0 ± 0.2) °C	46.0 ± 6 %	6.28 mho/m ± 6 %
Body TSL temperature change during test	< 0.5 °C		

SAR result with Body TSL at 5800 MHz

SAR averaged over 1 cm ³ (1 g) of Body TSL	Condition	
SAR measured	100 mW input power	7.46 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	74.0 W/kg ± 19.9 % (k=2)

SAR averaged over 10 cm^3 (10 g) of Body TSL	condition	
SAR measured	100 mW input power	2.07 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	20.5 W/kg ± 19.5 % (k=2)

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COMMERCIAL-IN-CONFIDENCE



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





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C Service suisse d etalolinage Servizio svizzero di taratura

S Swiss Calibration Service

Accreditation No.: SCS 0108

S

Accredited by the Swiss Accreditation Service (SAS) The Swiss Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates

Glossary:

TSL	tissue simulating liquid
ConvF	sensitivity in TSL / NORM x,y,z
N/A	not applicable or not measured

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 62209-2, "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
- c) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Additional Documentation:

d) DASY4/5 System Handbook

Methods Applied and Interpretation of Parameters:

- *Measurement Conditions:* Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- Antenna Parameters with TSL: The dipole is mounted with the spacer to position its feed
 point exactly below the center marking of the flat phantom section, with the arms oriented
 parallel to the body axis.
- Feed Point Impedance and Return Loss: These parameters are measured with the dipole
 positioned under the liquid filled phantom. The impedance stated is transformed from the
 measurement at the SMA connector to the feed point. The Return Loss ensures low
 reflected power. No uncertainty required.
- *Electrical Delay:* One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- SAR measured: SAR measured at the stated antenna input power.
- SAR normalized: SAR as measured, normalized to an input power of 1 W at the antenna connector.
- SAR for nominal TSL parameters: The measured TSL parameters are used to calculate the nominal SAR result.

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%.

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Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL at 5200 MHz

Impedance, transformed to feed point	51.0 Ω - 7.1 jΩ	
Return Loss	- 23.0 dB	

Antenna Parameters with Head TSL at 5300 MHz

Impedance, transformed to feed point	50.7 Ω - 0.2 jΩ
Return Loss	- 43.2 dB

Antenna Parameters with Head TSL at 5500 MHz

Impedance, transformed to feed point	49.4 Ω - 2.7 jΩ	
Return Loss	- 31.1 dB	

Antenna Parameters with Head TSL at 5600 MHz

Impedance, transformed to feed point	55.2 Ω + 0.3 jΩ
Return Loss	- 26.2 dB

Antenna Parameters with Head TSL at 5800 MHz

Impedance, transformed to feed point	52.3 Ω + 2.7 jΩ	
Return Loss	- 29.1 dB	

Antenna Parameters with Body TSL at 5200 MHz

Impedance, transformed to feed point	51.7 Ω - 7.3 jΩ	
Return Loss	- 22.6 dB	

Antenna Parameters with Body TSL at 5300 MHz

Impedance, transformed to feed point	50.4 Ω + 1.6 jΩ	
Return Loss	- 35.9 dB	

Antenna Parameters with Body TSL at 5500 MHz

Impedance, transformed to feed point	49.2 Ω - 1.3 jΩ	
Return Loss	- 36.2 dB	

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Antenna Parameters with Body TSL at 5600 MHz

Impedance, transformed to feed point	56.3 Ω + 0.7 jΩ
Return Loss	- 24.5 dB

Antenna Parameters with Body TSL at 5800 MHz

Impedance, transformed to feed point	52.6 Ω + 2.8 jΩ	
Return Loss	- 28.6 dB	

General Antenna Parameters and Design

Electrical Delay (one direction)	1.206 ns	
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After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured.

The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard.

No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

Additional EUT Data

Manufactured by	SPEAG
Manufactured on	September 24, 2010

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DASY5 Validation Report for Head TSL

Date: 13.12.2016

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole D5GHzV2; Type: D5GHzV2; Serial: D5GHzV2 - SN: 1100

Communication System: UID 0 - CW; Frequency: 5200 MHz, Frequency: 5300 MHz, Frequency: 5500 MHz, Frequency: 5600 MHz, Frequency: 5800 MHz Medium parameters used: f = 5200 MHz; σ = 4.53 S/m; ϵ_r = 34.8; ρ = 1000 kg/m³, Medium parameters used: f = 5300 MHz; σ = 4.63 S/m; ϵ_r = 34.6; ρ = 1000 kg/m³, Medium parameters used: f = 5500 MHz; σ = 4.82 S/m; ϵ_r = 34.4; ρ = 1000 kg/m³, Medium parameters used: f = 5600 MHz; σ = 4.93 S/m; ϵ_r = 34.2; ρ = 1000 kg/m³, Medium parameters used: f = 5600 MHz; σ = 5.13 S/m; ϵ_r = 33.9; ρ = 1000 kg/m³ Phantom section: Flat Section Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

- Probe: EX3DV4 SN3503; ConvF(5.59, 5.59, 5.59); Calibrated: 30.06.2016, ConvF(5.14, 5.14, 5.14); Calibrated: 30.06.2016, ConvF(5.02, 5.02, 5.02); Calibrated: 30.06.2016, ConvF(4.89, 4.89, 4.89); Calibrated: 30.06.2016, ConvF(4.85, 4.85, 4.85); Calibrated: 30.06.2016;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 30.12.2015
- Phantom: Flat Phantom 5.0 (front); Type: QD 000 P50 AA; Serial: 1001
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7372)

Dipole Calibration for Head Tissue/Pin=100mW, dist=10mm, f=5200 MHz/Zoom Scan, dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm Reference Value = 69.19 V/m; Power Drift = -0.02 dB Peak SAR (extrapolated) = 27.1 W/kg SAR(1 g) = 7.64 W/kg; SAR(10 g) = 2.2 W/kg Maximum value of SAR (measured) = 17.7 W/kg

Dipole Calibration for Head Tissue/Pin=100mW, dist=10mm, f=5300 MHz/Zoom Scan, dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm Reference Value = 71.45 V/m; Power Drift = -0.05 dB Peak SAR (extrapolated) = 30.0 W/kg SAR(1 g) = 8.17 W/kg; SAR(10 g) = 2.36 W/kg Maximum value of SAR (measured) = 19.1 W/kg

Dipole Calibration for Head Tissue/Pin=100mW, dist=10mm, f=5500 MHz/Zoom Scan, dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm Reference Value = 70.03 V/m; Power Drift = -0.02 dB Peak SAR (extrapolated) = 30.9 W/kg SAR(1 g) = 8.02 W/kg; SAR(10 g) = 2.29 W/kg

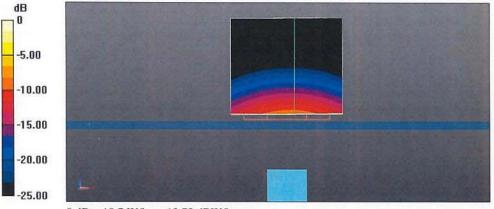
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Dipole Calibration for Head Tissue/Pin=100mW, dist=10mm, f=5600 MHz/Zoom Scan, dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm Reference Value = 70.52 V/m; Power Drift = -0.07 dB Peak SAR (extrapolated) = 31.7 W/kg SAR(1 g) = 8.15 W/kg; SAR(10 g) = 2.34 W/kg Maximum value of SAR (measured) = 19.6 W/kg

Dipole Calibration for Head Tissue/Pin=100mW, dist=10mm, f=5800 MHz/Zoom Scan, dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm Reference Value = 67.49 V/m; Power Drift = -0.03 dB Peak SAR (extrapolated) = 31.1 W/kg SAR(1 g) = 7.67 W/kg; SAR(10 g) = 2.19 W/kg Maximum value of SAR (measured) = 18.7 W/kg



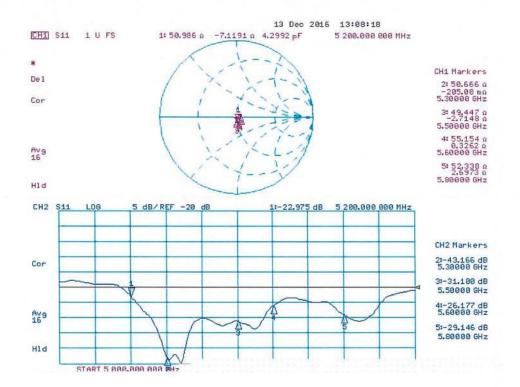
0 dB = 18.7 W/kg = 12.72 dBW/kg

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Impedance Measurement Plot for Head TSL



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DASY5 Validation Report for Body TSL

Date: 13.12.2016

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole D5GHzV2; Type: D5GHzV2; Serial: D5GHzV2 - SN: 1100

Communication System: UID 0 - CW; Frequency: 5200 MHz, Frequency: 5300 MHz, Frequency: 5500 MHz, Frequency: 5600 MHz, Frequency: 5800 MHz Medium parameters used: f = 5200 MHz; σ = 5.46 S/m; ϵ_r = 47.1; ρ = 1000 kg/m³, Medium parameters used: f = 5300 MHz; σ = 5.59 S/m; ϵ_r = 46.9; ρ = 1000 kg/m³, Medium parameters used: f = 5500 MHz; σ = 5.86 S/m; ϵ_r = 46.5; ρ = 1000 kg/m³, Medium parameters used: f = 5600 MHz; σ = 6 S/m; ϵ_r = 46.4; ρ = 1000 kg/m³, Medium parameters used: f = 5800 MHz; σ = 6.28 S/m; ϵ_r = 46; ρ = 1000 kg/m³ Phantom section: Flat Section Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

- Probe: EX3DV4 SN3503; ConvF(4.99, 4.99, 4.99); Calibrated: 30.06.2016, ConvF(4.75, 4.75, 4.75); Calibrated: 30.06.2016, ConvF(4.4, 4.4, 4.4); Calibrated: 30.06.2016, ConvF(4.35, 4.35, 4.35); Calibrated: 30.06.2016, ConvF(4.27, 4.27, 4.27); Calibrated: 30.06.2016;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 30.12.2015
- · Phantom: Flat Phantom 5.0 (back); Type: QD 000 P50 AA; Serial: 1002
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7372)

Dipole Calibration for Body Tissue/Pin=100mW, dist=10mm, f=5200 MHz/Zoom Scan, dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm Reference Value = 65.90 V/m; Power Drift = -0.04 dB Peak SAR (extrapolated) = 26.9 W/kg SAR(1 g) = 7.23 W/kg; SAR(10 g) = 2.03 W/kg Maximum value of SAR (measured) = 16.5 W/kg

Dipole Calibration for Body Tissue/Pin=100mW, dist=10mm, f=5300 MHz/Zoom Scan, dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm Reference Value = 67.72 V/m; Power Drift = -0.03 dB Peak SAR (extrapolated) = 29.7 W/kg SAR(1 g) = 7.76 W/kg; SAR(10 g) = 2.18 W/kg Maximum value of SAR (measured) = 18.1 W/kg

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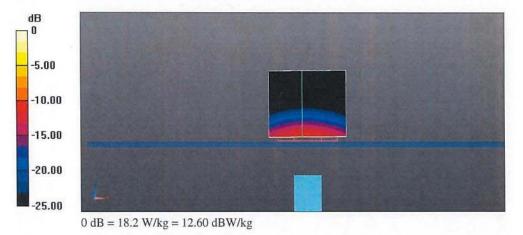
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Dipole Calibration for Body Tissue/Pin=100mW, dist=10mm, f=5500 MHz/Zoom Scan, dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm Reference Value = 67.42 V/m; Power Drift = -0.02 dB Peak SAR (extrapolated) = 31.9 W/kg SAR(1 g) = 7.9 W/kg; SAR(10 g) = 2.19 W/kg Maximum value of SAR (measured) = 18.7 W/kg

Dipole Calibration for Body Tissue/Pin=100mW, dist=10mm, f=5600 MHz/Zoom Scan, dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm Reference Value = 66.84 V/m; Power Drift = -0.05 dB Peak SAR (extrapolated) = 32.0 W/kg SAR(1 g) = 7.83 W/kg; SAR(10 g) = 2.19 W/kg

Dipole Calibration for Body Tissue/Pin=100mW, dist=10mm, f=5800 MHz/Zoom Scan, dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm Reference Value = 64.37 V/m; Power Drift = -0.05 dB Peak SAR (extrapolated) = 32.4 W/kg SAR(1 g) = 7.46 W/kg; SAR(10 g) = 2.07 W/kg Maximum value of SAR (measured) = 18.2 W/kg

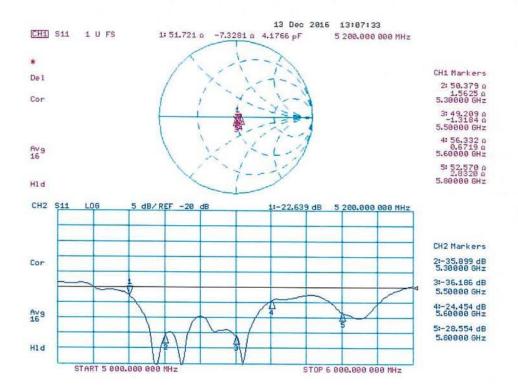


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Impedance Measurement Plot for Body TSL



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