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10460-	UMTS-FDD (WCDMA, AMR)	X	0.88	68.39	16.07	0.00	150.0	±9.6 %
AAA						in out the		
111111111111111111111111111111111111111		Y	0.70	65.56	13.77		150.0	
		Z	0.84	67.99	15.62		150.0	
10461- AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	×	1.57	72.49	16.91	3.29	80.0	± 9.6 %
	THE SAME VIEW OF STREET	Y	2.31	77.86	18.85		80.0	
		Z	1.89	76.90	18.97		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	7.36	3.23	80.0	± 9.6 %
orthine:		Y	0.67	60.00	7.26		80.0	
		Z	0.57	60.00	7.02		80.0	
10463- AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	×	0.67	60.00	6.67	3.23	80.0	± 9.6 %
силили.	Table - Institute Co. 2010 - Control of Co. 2010 - Co.	Y	0.68	60.00	6.58		80.0	
		Z	0.60	60.00	6.22		80.0	
10464- AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	×	1.23	69.24	14.93	3.23	80.0	± 9.6 %
		Y	1.59	72.66	16.19		80.0	
		Z	1.42	72.83	16.69		80.0	
10465- AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	×	0.65	60.00	7.28	3.23	80.0	± 9.6 %
17.17		Y	0.67	60.00	7.19		80.0	
		Z	0.57	60.00	6.95		80.0	
10466- AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	X	0.67	60.00	6.62	3.23	80.0	± 9.6 %
		Y	0.69	60.00	6.54		80.0	
		Z	0.60	60.00	6.18		80.0	
10467- AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	×	1.28	69.83	15.22	3.23	80.0	± 9.6 %
3923 (6.27)	10772-1101-1101-1101-1101-1101-1101-1101	Y	1.71	73.64	16.62		80.0	
		Z	1.51	73.74	17.10		80.0	
10468- AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	×	0.65	60.00	7.31	3.23	80.0	± 9.6 %
		Y	0.66	60.00	7.22		80.0	
		Z	0.57	60.00	6.98		80.0	
10469- AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	X	0.67	60.00	6.62	3.23	80.0	± 9.6 %
NAME OF TAXABLE PARTY.	77.00 (200.000.000.000.000.000.000.000.000.000	Y	0.68	60.00	6.54		80.0	
		Z	0.60	60.00	6.18		80.0	
10470- AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	1.27	69.83	15.21	3.23	80.0	± 9.6 %
MARKET		Y	1.71	73.66	16.62		80.0	
		Z	1.50	73.77	17.11		80.0	
10471- AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	X	0.65	60.00	7.29	3.23	80.0	± 9.6 %
		Y	0.66	60.00	7.20		80.0	
		Z	0.57	60.00	6.96		80.0	
10472- AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	×	0.67	60.00	6.60	3.23	80.0	± 9.6 %
		Y	0.68	60.00	6.52		80.0	
		Z	0.31	55.91	4.03		80.0	
10473- AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	1.27	69.80	15.19	3.23	80.0	± 9.6 %
		Y	1.70	73.59	16.59		80.0	
		Z	1.50	73.71	17.08		80.0	
10474- AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	×	0.65	60.00	7.29	3.23	80.0	± 9.6 %
		Y	0.66	60.00	7.20		80.0	
		Z	0.57	60.00	6.96		80.0	
10475- AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	×	0.67	60.00	6.60	3.23	80.0	± 9.6 %
		Y	0.68	60.00	6.52		80.0	
		Z	0.31	55.90	4.03		80.0	-

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10477- AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16- QAM, UL Subframe=2.3,4,7,8,9)	х	0.65	60.00	7.26	3.23	80.0	± 9.6 %
		Y	0.66	60.00	7.17		80.0	
	(2017-14) STORES - STORES - STORES	Z	0.57	60.00	6.93		80.0	
10478- AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	Х	0.67	60.00	6.59	3.23	80.0	± 9.6 %
		Y	0.68	60.00	6.51		80.0	
	And the second s	Z	0.31	55.89	4.01		80.0	
10479- AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	3.24	76.16	18.67	3.23	80.0	±9,6 %
		Y	4.42	80.82	20.23		80.0	
	The second secon	Z	4.39	82.21	20.82		80.0	
10480- AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.03	66.76	12.73	3.23	80.0	± 9.6 %
		Y	2.05	66.92	12.60		80.0	
		Z	1.85	67.01	12.43		80.0	
10481- AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.62	63.96	11.04	3.23	80.0	± 9.6 %
TIT 2-72		Y	1.57	63.66	10.70		80.0	
		Z	1.32	63.18	10.24		80.0	
10482- AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	1.53	65.20	12.69	2.23	80.0	±9.6 %
	1	Υ	1.10	61.56	10.21		80.0	
		Z	1.14	62.42	10.54		80.0	
10483- AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.45	61.38	9.71	2.23	80.0	± 9.6 %
712-11-17		Y	1.32	60.52	8.97		80.0	
		Z	1.16	60.00	8.17		80.0	
10484- AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.44	61.07	9.53	2.23	80.0	± 9.6 %
		Y	1.32	60.25	8.82		80.0	
		Z	1.19	60.00	8.15		80.0	
10485- AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.16	69.31	16.02	2.23	80.0	±9.6 %
		Y	1.69	66.06	14.04		80.0	
		Z	1.93	68.38	15.12		80.0	
10486- AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.10	65.45	13.37	2.23	80.0	± 9.6 %
		Y	1.71	62.92	11.64	-	80.0	
		Z	1.73	63.60	11.80		80.0	
10487- AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.11	65.08	13,16	2.23	80.0	± 9.6 %
		Y	1.73	62.69	11.49		80.0	
		Z	1.73	63.23	11.57		80.0	
10488- AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.58	69.55	17.35	2.23	80.0	± 9.6 %
		Y	2.27	67.73	16.25		80.0	
		Z	2.45	69.44	17.18		80.0	
10489- AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.75	67.17	16.06	2.23	80.0	± 9.6 %
		Υ	2.49	65.86	15.18		80.0	
		Z	2.63	67.13	15.78	- inigration	80.0	
10490- AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.83	67.06	16.01	2.23	80.0	± 9.6 %
		Y	2.57	65.81	15.15		80.0	
		Z	2.69	66.99	15.69		80.0	
10491- AAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.92	68.61	17.17	2.23	80.0	± 9.6 %
		Y	2.65	67.28	16.37		80.0	
		Z	2.77	68.48	17.08		80.0	
10492- AAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.13	66.69	16.33	2.23	80.0	± 9.6 %
	- United States of the States	Y	2.92	65.77	15.72		80.0	
		Z	3.01	66.69	16.19		80.0	

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10493- AAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.19	66.60	16.28	2.23	80.0	±9.6 %
		Y	2.99	65.70	15.69		80.0	
		Z	3.07	66.59	16.12		80.0	
10494- AAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.09	69.75	17.58	2.23	80.0	±9.6 %
75000		Y	2.78	68.23	16.72		80.0	
		Z	2.93	69.54	17.51		80.0	0.000
10495- AAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.15	66.91	16.53	2.23	80.0	±9.6 %
110.00	The second secon	Y	2.94	65.97	15.94		80.0	
		Z	3.03	66.87	16.43		80.0	
10496- AAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	×	3.24	66.76	16.49	2.23	80.0	± 9.6 %
	The second control of	Y	3.04	65.88	15.93		80.0	
		Z	3.12	66.74	16.39		80.0	
	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	0.93	60.00	8.57	2.23	80.0	± 9.6 %
		Y	0.90	60.00	7.78		80.0	
		Z	0.86	60.00	7.53		80.0	
AAA MHz, 16-QAM, UL	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	×	1.10	60.00	7.25	2.23	80.0	± 9.6 %
		Y	1.08	60.00	6.57		80.0	
		Z	1.05	60.00	6.14		80.0	10.00
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	7.08	2.23	80.0	± 9.6 %
		Y	1.11	60.00	6.40		80.0	
		Z	1.08	60.00	5.96		80.0	
10500- AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.33	69.42	16.57	2.23	80.0	± 9.6 %
and the local and		Y	1.93	66.88	15.00		80.0	
		Z	2.16	69.02	16.03		80.0	
10501- AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.42	66.55	14.60	2.23	80.0	± 9.6 %
		Y	2.06	64.46	13.19		80.0	
		Z	2.16	65.57	13.59		80.0	
10502- AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.46	66.38	14.43	2.23	80.0	± 9.6 %
		Y	2.09	64.32	13.03		80.0	
		Z	2.17	65.33	13.38	No. of Concession	80.0	
10503- AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.55	69.37	17.25	2.23	80.0	± 9.6 %
		Y	2.24	67.56	16.15		80.0	
		Z	2.42	69.25	17.08		80.0	1100000
10504- AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.73	67.07	16.00	2.23	80.0	± 9.6 %
		Y	2.48	65.76	15.11		80.0	
	Charles to consider a supplied to the second	Z	2.61	67.02	15.71	- Company	80.0	AL HARRING
10505- AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.82	66.97	15.95	2.23	80.0	± 9.6 %
		Y	2.56	65.72	15.09		80.0	
WITH CO.	AND AND ASSESSED AND ASSESSED AND ASSESSED AND ASSESSED AND ASSESSED ASSESSED.	Z	2.68	66.89	15.62		80.0	
10506- AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.07	69.63	17.51	2.23	80.0	± 9.6 %
		Y	2.76	68.11	16.65		80.0	
eurosa T	The state of the s	Z	2.91	69.41	17.44	La revolue	80.0	
10507- AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.14	66.85	16.49	2.23	80.0	± 9.6 %
	The second secon	Y	2.93	65.91	15.90		80.0	

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10508- AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.23	66.69	16.44	2.23	80.0	± 9.6 %
		Y	3.03	65.82	15.89		80.0	
		Z	3.11	66.67	16.35		80.0	
10509- AAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.52	68.96	17.25	2.23	80.0	± 9.6 %
	The state of the s	Y	3.24	67.75	16.57		80.0	
		Z	3.37	68.79	17.22		80.0	
10510- AAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	3.62	66.72	16.61	2.23	80.0	± 9.6 %
		Y	3.43	65.94	16.15		80.0	
		Z	3.50	66.61	16.55		80.0	
10511- AAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.70	66.58	16.58	2.23	80.0	± 9.6 %
		Y	3.51	65.85	16.14		80.0	
el Tro	Value of the second sec	Z	3.58	66.51	16.52		80.0	
10512- AAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.56	70.02	17.57	2.23	80.0	± 9.6 %
		Y	3.23	68.54	16.78		80.0	
	Cau access to the case of the	Z	3.39	69.70	17.50		80.0	
10513- AAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.50	66.80	16.66	2.23	80.0	± 9.6 %
		Y	3.31	65.98	16.18		80.0	
	Mary Company C	Z	3.39	66.65	16.59		80.0	
10514- AAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	3.56	66.53	16.58	2.23	80.0	± 9.6 %
		Y	3.38	65.75	16.13		80.0	
		Z	3.45	66.40	16.52		80.0	
10515- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	X	0.96	63.31	14.68	0.00	150.0	± 9.6 %
		Y	0.87	62.23	13.64		150.0	
		Z	0.95	63.24	14.49		150.0	
10516- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	X	0.59	70.32	17.28	0.00	150.0	± 9.6 %
		Y	0.43	66.45	13,92		150.0	
10010		Z	0.56	69.40	16.67		150.0	
10517- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	X	0.81	65.09	15.27	0.00	150.0	±9.6 %
		Y	0.69	63.42	13.73		150.0	
10518- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	Z	0.79 4.34	64.83 66.88	14.98 16.18	0.00	150.0	± 9.6 %
710	mora, ouro daty dydie)	Y	4.22	66.51	15.92		150.0	
		Z	4.23	66.93	16.12		150.0	
10519- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	X	4.48	67.04	16.27	0.00	150.0	±9.6 %
		Y	4.36	66.68	16.01		150.0	
To depot at	AND MARKET BEFORE BUILDING WAS A STREET	Z	4.35	67.07	16.19		150.0	
10520- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	X	4.34	66.97	16.18	0.00	150.0	± 9.6 %
		Y	4.22	66.59	15.92		150.0	
	CANAL PROGRAMMENT AND	Z	4.22	66.99	16.11	- Walleton	150.0	
10521- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	X	4.28	66.94	16.16	0.00	150.0	±9.6 %
		Y	4.15	66.54	15.89		150.0	
40000	TEEE 000 44 A 1405	Z	4.15	66.93	16.07	0.55	150.0	1.0.00
10522- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	X	4.32	67.05	16.25	0.00	150.0	± 9.6 %
		Y	4.19	66.65	15.97		150.0	
		Z	4.18	66.98	16.13		150.0	

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10523- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	X	4.26	67.08	16.19	0.00	150.0	± 9.6 %
	maps; seps and system	Y	4.13	66.69	15.91		150.0	
		Z	4.15	67.15	16.14		150.0	
10524- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	X	4.28	67.03	16.25	0.00	150.0	± 9.6 %
		Y	4.15	66.64	15.98		150.0	
		Z	4.14	67.03	16.17		150.0	
10525-	IEEE 802.11ac WiFi (20MHz, MCS0,	X	4.31	66.15	15.88	0.00	150.0	±9.6 %
AAB	99pc duty cycle)	Y	4.19	65.75	15.61	0.00	150.0	± 0.0 N
		Z	4.20	66.20	15.83		150.0	
10526-	IEEE 802.11ac WiFi (20MHz, MCS1,	X	4.43	66.41	15.99	0.00	150.0	±9.6 %
AAB	99pc duty cycle)	Y	4.30	66.01	15.72	0.00	150.0	1 3.0 70
		Z		66.42				
40507	IEEE OOD 44 WIEL (OOLUI - MOOD		4.30	66.39	15.92	0.00	150.0	
10527- AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	×	4.36		15.93	0.00	150.0	± 9.6 %
		Y	4.23	65.97	15,65		150.0	
		Z	4.24	66.40	15.86	11400-140	150.0	
10528- AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	X	4.38	66.40	15.96	0.00	150.0	± 9.6 %
		Y	4.25	65.99	15.69		150.0	
		Z	4.25	66.41	15.89		150.0	
10529- AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	×	4.38	66.40	15.96	0.00	150.0	± 9.6 %
		Y	4.25	65.99	15.69		150.0	
		Z	4.25	66.41	15.89		150.0	
10531- AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)	X	4.34	66.42	15.94	0.00	150.0	± 9.6 %
	The state of the s	Y	4.21	65.99	15.65		150.0	
		Z	4.20	66.38	15.85		150.0	
10532- AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	X	4.23	66.28	15.87	0.00	150.0	± 9.6 %
		Y	4.09	65.84	15.58		150.0	
		Z	4.10	66.26	15.79		150.0	
10533- AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)	X	4.38	66.48	15.97	0.00	150.0	± 9.6 %
	0000000	Y	4.25	66.07	15.69		150.0	
		Z	4.25	66.50	15.90		150.0	
10534- AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	X	4.94	66.38	16.03	0.00	150.0	± 9.6 %
100	cope daily dyordy	Y	4.83	66.04	15.82		150.0	
		Z	4.83	66.34	15.98		150.0	
10535- AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	X	4.98	66.50	16.09	0.00	150.0	± 9.6 %
1576	oops dady officer	Y	4.87	66.15	15.88		150.0	
		Z	4.85	66.43	16.03		150.0	
10536- AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	X	4.87	66.51	16.07	0.00	150.0	± 9.6 %
TALL	sope daty cycle)	Y	4.76	66.13	15.84		150.0	
		Z	4.75	66.43	16.01		150.0	
10537-	IEEE 802.11ac WiFi (40MHz, MCS3,	X	4.75	66.51	16.07	0.00	150.0	± 9.6 %
AAB	99pc duty cycle)	0.00	200000	000000		0.00	1000000	1 3.0 %
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Y	4.83	66.19	15.88		150.0	
10538-	IEEE 802.11ac WiFi (40MHz, MCS4,	X	4.83 5.00	66.50 66.46	16.04 16.08	0.00	150.0 150.0	± 9.6 %
AAB	99pc duty cycle)	100	4.00	00.45	45.00		450.0	
		Y	4.89	66.12	15.88		150.0	
40545	IEEE OOG 44 - MIEE COOK III - MOOG	Z	4.87	66.39	16.02	0.00	150.0	
10540- AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	×	4.93	66.42	16.08	0.00	150.0	± 9.6 %
		Z	4.82	66.06	15.87		150.0	
			4.81	66.35	16.02		150.0	

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10541-	IEEE 802.11ac WiFi (40MHz, MCS7,	X	4.92	66.35	16.03	0.00	150.0	± 9.6 %
AAB	99pc duty cycle)	Y	4.81	65.99	15.82		150.0	-
		Z	4.81	66.31	15.98	2	150.0	
10542- AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	X	5.07	66.45	16.09	0.00	150.0	± 9.6 %
7010	sope daty cycle)	Y	4.96	66.11	15.90		150.0	
		Z	4.95	66.40	16.04		150.0	
10543- AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	×	5.15	66.53	16.16	0.00	150.0	± 9.6 %
7010	Sope daty cycley	Y	5.05	66.25	16.00		150.0	
		Z	5.03	66.51	16.13		150.0	
10544-	IEEE 802.11ac WiFi (80MHz, MCS0,	X	5.29	66.46	16.02	0.00	150.0	±9.6 %
AAB	99pc duty cycle)	200			10.04	0.00	100.0	20.0 70
C21717111	postocolor i etcelli vilingi more	Y	5.19	66.11	15.83		150.0	
		Z	5.19	66.38	15.97		150.0	
10545- AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)	×	5.46	66,89	16.19	0.00	150.0	± 9.6 %
nienisch-		Y	5.37	66.61	16.04		150.0	
		Z	5.35	66.81	16.15		150.0	
10546- AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	×	5.32	66.57	16.05	0.00	150.0	± 9.6 %
		Y	5.22	66.23	15.86		150.0	
		Z	5.22	66.48	15.99		150.0	
10547- AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	×	5.40	66.70	16.10	0.00	150.0	± 9.6 %
		Y	5.32	66.42	15.95		150.0	
		Z	5.33	66.71	16.11		150.0	
10548- AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	X	5.53	67.27	16.37	0.00	150.0	± 9.6 %
	CO-COT EXPENSES OF TOURSES	Y	5.44	66.98	16.21		150.0	
		Z	5.38	67.07	16.27		150.0	
10550- AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	×	5.38	66.78	16.16	0.00	150.0	± 9.6 %
	The state of the s	Y	5.31	66.53	16.02		150.0	
		Z	5.31	66.81	16.17		150.0	
10551- AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	×	5.31	66,54	16.01	0.00	150.0	± 9.6 %
***************************************		Y	5.20	66.17	15.81		150.0	
		Z	5.19	66,41	15.94		150.0	
10552- AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	×	5.30	66.58	16.03	0.00	150.0	± 9.6 %
		Y	5.19	66.23	15.83		150.0	
		Z	5.20	66.53	15.99		150.0	
10553- AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	X	5.35	66.52	16.03	0.00	150.0	± 9.6 %
		Y	5.24	66.17	15.83		150.0	
Charles and		Z	5.24	66.44	15.97		150.0	
10554- AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	X	5.71	66.79	16.10	0.00	150.0	± 9.6 %
		Y	5.62	66.47	15.93		150.0	
Sc. 11	WALLEST SECTION OF THE PARTY WAS ARRESTED AND THE PARTY OF THE PARTY O	Z	5,63	66.70	16.05		150.0	THE STREET
10555- AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	X	5.80	67.00	16.19	0.00	150.0	± 9.6 %
		Y	5.71	66.69	16.02		150.0	
CONCUSAN	A SHARE AND A SHAR	Z	5.70	66.87	16.12	and the same of the	150.0	
10556- AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)	×	5.84	67.12	16.24	0.00	150.0	± 9.6 %
		Y	5.76	66.85	16.09		150.0	
CZINEN S	MARKET STATE OF THE STATE OF TH	Z	5.75	67.04	16.20	Total Control	150.0	
10557- AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	X	5.79	66.99	16,19	0.00	150.0	± 9.6 %
		Y	5.70	66.66	16.02		150.0	
		Z	5.70	66.88	16.14		150.0	

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10558- AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	X	5.80	67.03	16.23	0.00	150.0	± 9.6 %
		Y	5.69	66.67	16.04		150.0	
		Z	5.67	66.84	16.13		150.0	
10560- AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	X	5.82	66.97	16.24	0.00	150.0	± 9.6 %
	I V	Y	5.72	66.63	16.06		150.0	
		Z	5.71	66.83	16.16		150.0	
10561- AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	Х	5.76	66.95	16.26	0.00	150.0	± 9.6 %
	Follow Williams	Y	5.66	66.63	16.09		150.0	
		Z	5.65	66.81	16.18		150.0	
10562- AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	Х	5.80	67.11	16.34	0.00	150.0	± 9.6 %
		Y	5.70	66.75	16.15		150.0	4
		Z	5.68	66.93	16.24		150.0	
10563- AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	X	5.91	67.11	16.30	0.00	150.0	± 9.6 %
		Y	5.83	66.82	16.15		150.0	
		Z	5.80	66.98	16.24		150.0	-
10564- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 9 Mbps, 99pc duty cycle)	X	4.65	66.88	16.30	0.46	150.0	± 9.6 %
-		Y	4.54	66.54	16.07		150.0	-
		Z	4.53	66.91	16.24		150.0	
10565- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 12 Mbps, 99pc duty cycle)	X	4.85	67.29	16.62	0.46	150.0	± 9.6 %
		Y	4.73	66.97	16.40		150.0	
		Z	4.71	67.32	16.56		150.0	7
10566- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 18 Mbps, 99pc duty cycle)	X	4.68	67.10	16.42	0.46	150.0	± 9.6 %
		Y	4.56	66.75	16.18		150.0	
		Z	4.55	67.11	16.35		150.0	
10567- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 24 Mbps, 99pc duty cycle)	X	4.72	67.51	16.80	0.46	150.0	± 9.6 %
		Y	4.60	67.16	16.57		150.0	
		Z	4.59	67.52	16.75		150.0	
10568- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 36 Mbps, 99pc duty cycle)	X	4.57	66.80	16.14	0.46	150.0	± 9.6 %
		Y	4.45	66.43	15.88		150.0	
		Z	4.42	66.71	16.01		150.0	
10569- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 48 Mbps, 99pc duty cycle)	Х	4.71	67.75	16.95	0.46	150.0	± 9.6 %
		Y	4.59	67.42	16.73		150.0	
		Z	4.60	67.83	16.93		150.0	-
10570- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 54 Mbps, 99pc duty cycle)	X	4.71	67.51	16.83	0.46	150.0	± 9.6 %
		Y	4.59	67.18	16.60		150.0	
		Z	4.57	67.54	16.78		150.0	
10571- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	X	1.08	63.64	15.05	0.46	130.0	± 9.6 %
The state of the s		Y	0.98	62.63	14.12		130.0	
		Z	1.06	63.58	14.89		130.0	The same
10572- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	X	1.08	64.13	15.38	0.46	130.0	± 9.6 %
		Y	0.98	63.05	14.41		130.0	
		Z	1.07	64.06	15.22		130.0	1
10573- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	X	1.08	77.41	20.56	0.46	130.0	± 9.6 %
		Υ	0.73	71.46	16.79		130.0	
		Z	0.99	75.97	19.89		130.0	
10574- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	X	1.10	68.88	18.01	0.46	130.0	± 9.6 %
		Y	D.OF	66.93	40.50		130.0	
		T	0.95	00.93	16.52		130.0	

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10575- AAA 10576- AAA 10577- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 9 Mbps, 90pc duty cycle)	X Y Z	4.42 4.31 4.30	66.59 66.26	16.28 16.05	0.46	130.0	± 9.6 %
10577- AAA		Z		The second second second			130.0	
10577- AAA		Z		The second second second				
10577- AAA 10578-				66.63	16.21		130.0	
10578-	and the second s	X	4.45	66.80	16.37	0.46	130.0	± 9.6 %
10578-		Y	4.34	66.48	16.14		130.0	
10578-		Z	4.33	66.87	16.32		130.0	
10578-	IEEE 802.11g WiFi 2.4 GHz (DSSS-	X	4.61	67.03	16.52	0.46	130.0	±9.6 %
	OFDM, 12 Mbps, 90pc duty cycle)	Y	4.49	66.71	16.29	0.10	130.0	2 0.0 70
		Z	4.48	67.07	16.45		130.0	
	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 18 Mbps, 90pc duty cycle)	X	4.51	67.18	16.63	0.46	130.0	±9.6 %
	Or Diff, 10 Hisps, sope duty cycle)	Y	4.40	66.85	16.40		130.0	
		Z	4.39	67.23	16.57		130.0	
10579-	IEEE 802.11g WiFi 2.4 GHz (DSSS-	X	4.26	66.33	15.85	0.46	130.0	±9.6 %
AAA	OFDM, 24 Mbps, 90pc duty cycle)	Y	1 17552-577		100000	0.40	10535	I 9.0 %
			4.14	65.96	15.59		130.0	
40500	IEEE OOD 44 - WIELD 4 OLL- IDOOG	Z	4.13	66.29	15.75	0.40	130.0	10000
10580- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 36 Mbps, 90pc duty cycle)	X	4.29	66.37	15.87	0.46	130.0	± 9.6 %
		Y	4.17	66.01	15.60		130.0	
		Z	4.14	66.28	15.72	0.10	130.0	
10581- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 48 Mbps, 90pc duty cycle)	X	4.43	67.26	16.60	0.46	130.0	± 9.6 %
		Y	4.31	66.92	16.36		130.0	
III W	Control of the last of the las	Z	4.31	67.34	16.57	I de la constantina	130.0	
10582- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 54 Mbps, 90pc duty cycle)	X	4.19	66.09	15.63	0.46	130.0	±9.6 %
		Y	4.07	65.73	15.36		130.0	
		Z	4.05	66.04	15.51		130.0	
10583- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	Х	4.42	66.59	16.28	0.46	130.0	± 9.6 %
		Y	4.31	66.26	16.05		130.0	
		Z	4.30	66.63	16.21		130.0	
10584- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	Х	4.45	66.80	16.37	0.46	130.0	± 9.6 %
		Y	4.34	66.48	16.14		130.0	
		Z	4.33	66.87	16.32		130.0	
10585- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	X	4.61	67.03	16.52	0.46	130.0	± 9.6 %
	mape, seps addy cycle)	Y	4.49	66.71	16.29		130.0	
		Z	4.48	67.07	16.45		130.0	
10586- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	X	4.51	67.18	16.63	0.46	130.0	± 9.6 %
		Y	4.40	66.85	16.40		130.0	
		Z	4.39	67.23	16.57		130.0	
10587- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	X	4.26	66.33	15.85	0.46	130.0	± 9.6 %
		Y	4.14	65.96	15.59		130.0	
		Z	4.13	66.29	15.75		130.0	V
10588- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	X	4.29	66.37	15.87	0.46	130.0	±9.6 %
		Y	4.17	66.01	15.60		130.0	
		Z	4.14	66.28	15.72		130.0	
10589- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	X	4.43	67.26	16.60	0.46	130.0	±9.6 %
		Y	4.31	66.92	16.36		130.0	
		Z	4.31	67.34	16.57		130.0	
10590- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	X	4.19	66.09	15.63	0.46	130.0	± 9.6 %
-NO	mops, sope daty cycle)	Y	4.07	65.73	15.36		130.0	
		Z	4.05	66.04	15.51		130.0	

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10591- AAB MCS0, 90pc duty cyl 10592- IEEE 802.11n (HT M AAB MCS1, 90pc duty cyl 10593- AAB MCS2, 90pc duty cyl 10594- AAB MCS3, 90pc duty cyl 10595- AAB MCS3, 90pc duty cyl 10596- AAB MCS4, 90pc duty cyl 10597- AAB MCS5, 90pc duty cyl 10598- AAB MCS6, 90pc duty cyl 10599- AAB MCS7, 90pc duty cyl 10599- AAB MCS7, 90pc duty cyl 10600- AAB MCS1, 90pc duty cyl 10600- AAB MCS1, 90pc duty cyl 10601- AAB MCS2, 90pc duty cyl 10602- AAB MCS3, 90pc duty cyl 10603- AAB MCS3, 90pc duty cyl 10604- AAB MCS3, 90pc duty cyl 10605- AAB MCS5, 90pc duty cyl 10606- IEEE 802.11n (HT M AAB MCS3, 90pc duty cyl 10606- IEEE 802.11n (HT M AAB MCS3, 90pc duty cyl 10606- IEEE 802.11n (HT M AAB MCS3, 90pc duty cyl 10606- IEEE 802.11n (HT M AAB MCS4, 90pc duty cyl 10606- IEEE 802.11n (HT M AAB MCS5, 90pc duty cyl 10606- IEEE 802.11n (HT M AAB MCS6, 90pc duty cyl 10606- IEEE 802.11n (HT M AAB MCS7, 90pc duty cyl 10606- IEEE 802.11n (HT M AAB MCS6, 90pc duty cyl 10606- IEEE 802.11n (HT M AAB MCS7, 90pc duty cyl 10606- IEEE 802.11n (HT M AAB MCS7, 90pc duty cyl 10606- IEEE 802.11n (HT M AAB MCS7, 90pc duty cyl 10606- IEEE 802.11n (HT M AAB MCS7, 90pc duty cyl 10606- IEEE 802.11n (HT M AAB MCS7, 90pc duty cyl 10606- IEEE 802.11n (HT M AAB MCS7, 90pc duty cyl 10606- IEEE 802.11n (HT M AAB MCS7, 90pc duty cyl 10606- IEEE 802.11n (HT M AAB MCS7, 90pc duty cyl 10606- IEEE 802.11n (HT M AAB MCS7, 90pc duty cyl 10606- IEEE 802.11n (HT M AAB MCS7, 90pc duty cyl 10606- IEEE 802.11n (HT M AAB MCS7, 90pc duty cyl 10606- IEEE 802.11n (HT M AAB MCS7, 90pc duty cyl 10606- IEEE 802.11n (HT M AAB MCS7, 90pc duty cyl 10606- IEEE 802.11n (HT M AAB MCS7, 90pc duty cyl 10606- IEEE 802.11n (HT M AAB MCS7, 90pc duty cyl 10606- IEEE 802.11n (HT M AAB MCS7, 90pc duty cyl 10606- IEEE 802.11n (HT M AAB MCS7, 90pc duty cyl 10606- IEEE 802.11n (HT M								
10592- AAB MCS1, 90pc duty cy 10593- AAB MCS2, 90pc duty cy 10594- AAB MCS3, 90pc duty cy 10595- IEEE 802.11n (HT M AAB MCS3, 90pc duty cy 10596- AAB MCS4, 90pc duty cy 10597- IEEE 802.11n (HT M AAB MCS5, 90pc duty cy 10598- AAB IEEE 802.11n (HT M AAB MCS7, 90pc duty cy 10599- AAB IEEE 802.11n (HT M AAB MCS7, 90pc duty cy 10599- AAB IEEE 802.11n (HT M AAB MCS7, 90pc duty cy 10600- IEEE 802.11n (HT M AAB MCS1, 90pc duty cy 10601- IEEE 802.11n (HT M AAB MCS3, 90pc duty cy 10601- IEEE 802.11n (HT M AAB MCS3, 90pc duty cy 10603- IEEE 802.11n (HT M AAB MCS3, 90pc duty cy 10604- AAB MCS3, 90pc duty cy 10604- AAB MCS4, 90pc duty cy 10605- AAB IEEE 802.11n (HT M AAB MCS5, 90pc duty cy 10606- IEEE 802.11n (HT M AAB MCS5, 90pc duty cy 10606- IEEE 802.11n (HT M AAB MCS6, 90pc duty cy		X	4.58	66.69	16.41	0.46	130.0	± 9.6 %
AAB MCS1, 90pc duty cy 10593- AAB MCS2, 90pc duty cy 10594- AAB MCS3, 90pc duty cy 10595- AAB MCS4, 90pc duty cy 10596- AAB MCS5, 90pc duty cy 10597- AAB MCS6, 90pc duty cy 10598- AAB MCS7, 90pc duty cy 10599- AAB MCS7, 90pc duty cy 10600- AAB MCS1, 90pc duty cy 10600- AAB MCS1, 90pc duty cy 10600- AAB MCS2, 90pc duty cy 10600- AAB MCS3, 90pc duty cy 10601- AAB MCS2, 90pc duty cy 10602- AAB MCS3, 90pc duty cy 10603- AAB MCS3, 90pc duty cy 10604- AAB MCS5, 90pc duty cy 10605- AAB MCS6, 90pc duty cy 10606- IEEE 802.11n (HT MAB MCS6, 90pc duty cy 10606- IEEE 802.11n (HT MAB MCS6, 90pc duty cy 10606- IEEE 802.11n (HT MAB MCS6, 90pc duty cy 10606- IEEE 802.11n (HT MAB MCS6, 90pc duty cy 10606- IEEE 802.11n (HT MAB MCS6, 90pc duty cy 10606- IEEE 802.11n (HT MAB MCS6, 90pc duty cy 10606- IEEE 802.11n (HT MAB MCS6, 90pc duty cy	ary cyclor	Y	4.47	66.39	16.20		130.0	
AAB MCS1, 90pc duty cy 10593- AAB MCS2, 90pc duty cy 10594- AAB MCS3, 90pc duty cy 10595- AAB MCS4, 90pc duty cy 10596- AAB MCS5, 90pc duty cy 10597- AAB MCS6, 90pc duty cy 10598- AAB MCS7, 90pc duty cy 10599- AAB MCS7, 90pc duty cy 10599- AAB MCS7, 90pc duty cy 10600- AAB MCS1, 90pc duty cy 10600- AAB MCS2, 90pc duty cy 10600- AAB MCS3, 90pc duty cy 10601- AAB MCS2, 90pc duty cy 10601- AAB MCS3, 90pc duty cy 10603- AAB MCS3, 90pc duty cy 10603- AAB MCS3, 90pc duty cy 10604- AAB MCS3, 90pc duty cy 10605- AAB MCS4, 90pc duty cy 10606- IEEE 802.11n (HT NAAB MCS5, 90pc duty cy 10606- IEEE 802.11n (HT NAAB MCS4, 90pc duty cy 10606- IEEE 802.11n (HT NAAB MCS5, 90pc duty cy 10606- IEEE 802.11n (HT NAAB MCS6, 90pc duty cy 10606- IEEE 802.11n (HT NAAB MCS6, 90pc duty cy 10606- IEEE 802.11n (HT NAAB MCS6, 90pc duty cy 10606- IEEE 802.11n (HT NAAB MCS6, 90pc duty cy		Z	4.47	66.76	16.36		130.0	
10593- AAB MCS2, 90pc duty cy 10594- AAB MCS3, 90pc duty cy 10595- IEEE 802.11n (HT M AAB MCS4, 90pc duty cy 10596- IEEE 802.11n (HT M AAB MCS5, 90pc duty cy 10597- AAB IEEE 802.11n (HT M AAB MCS6, 90pc duty cy 10598- IEEE 802.11n (HT M AAB MCS7, 90pc duty cy 10599- IEEE 802.11n (HT M AAB MCS7, 90pc duty cy 10600- IEEE 802.11n (HT M AAB MCS1, 90pc duty cy 10600- IEEE 802.11n (HT M AAB MCS1, 90pc duty cy 10601- IEEE 802.11n (HT M AAB MCS3, 90pc duty cy 10602- IEEE 802.11n (HT M AAB MCS3, 90pc duty cy 10603- IEEE 802.11n (HT M AAB MCS4, 90pc duty cy 10604- IEEE 802.11n (HT M AAB MCS4, 90pc duty cy 10605- IEEE 802.11n (HT M AAB MCS5, 90pc duty cy 10606- IEEE 802.11n (HT M AAB MCS5, 90pc duty cy 10606- IEEE 802.11n (HT M AAB MCS5, 90pc duty cy 10606- IEEE 802.11n (HT M AAB MCS6, 90pc duty cy 10606- IEEE 802.11n (HT M AAB MCS6, 90pc duty cy		X	4.69	66.97	16.53	0.46	130.0	±9.6 %
AAB MCS2, 90pc duty cy 10594- AAB MCS3, 90pc duty cy 10595- AAB MCS4, 90pc duty cy 10596- AAB MCS5, 90pc duty cy 10597- AAB MCS6, 90pc duty cy 10598- AAB MCS7, 90pc duty cy 10599- AAB MCS7, 90pc duty cy 10599- AAB MCS7, 90pc duty cy 10600- AAB MCS1, 90pc duty cy 10600- AAB MCS3, 90pc duty cy 10603- AAB MCS4, 90pc duty cy 10604- AAB MCS5, 90pc duty cy 10605- AAB MCS5, 90pc duty cy 10606- IEEE 802.11n (HT N AAB MCS5, 90pc duty cy 10606- IEEE 802.11n (HT N AAB MCS6, 90pc duty cy 10606- IEEE 802.11n (HT N AAB MCS6, 90pc duty cy	dty cycle)	Y	4.58	66.66	16.32		130.0	
AAB MCS2, 90pc duty cy 10594- AAB MCS3, 90pc duty cy 10595- AAB MCS4, 90pc duty cy 10596- AAB MCS5, 90pc duty cy 10597- AAB MCS6, 90pc duty cy 10598- AAB MCS7, 90pc duty cy 10599- AAB MCS7, 90pc duty cy 10599- AAB MCS7, 90pc duty cy 10600- AAB MCS1, 90pc duty cy 10600- AAB MCS3, 90pc duty cy 10603- AAB MCS4, 90pc duty cy 10604- AAB MCS5, 90pc duty cy 10605- AAB MCS5, 90pc duty cy 10606- IEEE 802.11n (HT N AAB MCS5, 90pc duty cy 10606- IEEE 802.11n (HT N AAB MCS6, 90pc duty cy 10606- IEEE 802.11n (HT N AAB MCS6, 90pc duty cy								
AAB MCS2, 90pc duty cy 10594- AAB MCS3, 90pc duty cy 10595- AAB MCS4, 90pc duty cy 10596- AAB MCS5, 90pc duty cy 10597- AAB MCS6, 90pc duty cy 10598- AAB MCS7, 90pc duty cy 10599- AAB MCS7, 90pc duty cy 10599- AAB MCS7, 90pc duty cy 10600- AAB MCS1, 90pc duty cy 10600- AAB MCS3, 90pc duty cy 10603- AAB MCS4, 90pc duty cy 10604- AAB MCS5, 90pc duty cy 10605- AAB MCS5, 90pc duty cy 10606- IEEE 802.11n (HT N AAB MCS5, 90pc duty cy 10606- IEEE 802.11n (HT N AAB MCS6, 90pc duty cy 10606- IEEE 802.11n (HT N AAB MCS6, 90pc duty cy	##### # DOLEH	Z	4.56	67.00	16.47	0.40	130.0	
AAB MCS3, 90pc duty cy 10595- IEEE 802.11n (HT M MCS4, 90pc duty cy 10596- AAB IEEE 802.11n (HT M MCS5, 90pc duty cy 10597- AAB MCS6, 90pc duty cy 10598- AAB IEEE 802.11n (HT M MCS7, 90pc duty cy 10599- AAB MCS7, 90pc duty cy 10600- IEEE 802.11n (HT M MCS0, 90pc duty cy 10601- IEEE 802.11n (HT M MCS1, 90pc duty cy 10602- IEEE 802.11n (HT M MCS2, 90pc duty cy 10603- AAB MCS3, 90pc duty cy 10604- AAB MCS4, 90pc duty cy 10604- AAB MCS5, 90pc duty cy 10605- AAB MCS5, 90pc duty cy 10606- IEEE 802.11n (HT M MCS5, 90pc duty cy 10606- IEEE 802.11n (HT M MCS6, 90pc duty cy 10606- IEEE 802.11n (HT M MCS6, 90pc duty cy 10606- IEEE 802.11n (HT M MCS6, 90pc duty cy 10606- IEEE 802.11n (HT M MCS6, 90pc duty cy		×	4.61	66.84	16.38	0.46	130.0	± 9.6 %
AAB MCS3, 90pc duty cy 10595- IEEE 802.11n (HT M MCS4, 90pc duty cy 10596- AAB IEEE 802.11n (HT M MCS5, 90pc duty cy 10597- IEEE 802.11n (HT M MCS6, 90pc duty cy 10598- IEEE 802.11n (HT M MCS7, 90pc duty cy 10599- IEEE 802.11n (HT M MCS0, 90pc duty cy 10600- IEEE 802.11n (HT M MCS1, 90pc duty cy 10601- IEEE 802.11n (HT M MCS2, 90pc duty cy 10602- IEEE 802.11n (HT M MCS3, 90pc duty cy 10603- IEEE 802.11n (HT M MCS4, 90pc duty cy 10604- IEEE 802.11n (HT M MCS4, 90pc duty cy 10605- IEEE 802.11n (HT M MCS5, 90pc duty cy 10606- IEEE 802.11n (HT M MCS5, 90pc duty cy 10606- IEEE 802.11n (HT M MCS6, 90pc duty cy 10606- IEEE 802.11n (HT M MCS6, 90pc duty cy 10606- IEEE 802.11n (HT M MCS6, 90pc duty cy 10606- IEEE 802.11n (HT M MCS6, 90pc duty cy	- C.	Y	4.49	66.52	16.16		130.0	
AAB MCS3, 90pc duty cy 10595- IEEE 802.11n (HT M MCS4, 90pc duty cy 10596- AAB IEEE 802.11n (HT M MCS5, 90pc duty cy 10597- IEEE 802.11n (HT M MCS6, 90pc duty cy 10598- IEEE 802.11n (HT M MCS7, 90pc duty cy 10599- IEEE 802.11n (HT M MCS0, 90pc duty cy 10600- IEEE 802.11n (HT M MCS1, 90pc duty cy 10601- IEEE 802.11n (HT M MCS2, 90pc duty cy 10602- IEEE 802.11n (HT M MCS3, 90pc duty cy 10603- IEEE 802.11n (HT M MCS4, 90pc duty cy 10604- IEEE 802.11n (HT M MCS4, 90pc duty cy 10605- IEEE 802.11n (HT M MCS5, 90pc duty cy 10606- IEEE 802.11n (HT M MCS5, 90pc duty cy 10606- IEEE 802.11n (HT M MCS6, 90pc duty cy 10606- IEEE 802.11n (HT M MCS6, 90pc duty cy 10606- IEEE 802.11n (HT M MCS6, 90pc duty cy 10606- IEEE 802.11n (HT M MCS6, 90pc duty cy		Z	4.48	66.87	16.32		130.0	
AAB MCS4, 90pc duty cy 10596- IEEE 802.11n (HT M MCS5, 90pc duty cy 10597- AAB IEEE 802.11n (HT M MCS6, 90pc duty cy 10598- IEEE 802.11n (HT M MCS7, 90pc duty cy 10599- IEEE 802.11n (HT M MCS0, 90pc duty cy 10600- IEEE 802.11n (HT M MCS1, 90pc duty cy 10601- IEEE 802.11n (HT M MCS2, 90pc duty cy 10602- IEEE 802.11n (HT M MCS3, 90pc duty cy 10603- IEEE 802.11n (HT M MCS4, 90pc duty cy 10604- IEEE 802.11n (HT M MCS5, 90pc duty cy 10605- IEEE 802.11n (HT M MCS5, 90pc duty cy 10606- IEEE 802.11n (HT M MCS5, 90pc duty cy 10606- IEEE 802.11n (HT M MCS6, 90pc duty cy 10606- IEEE 802.11n (HT M MCS6, 90pc duty cy 10606- IEEE 802.11n (HT M MCS6, 90pc duty cy 10606- IEEE 802.11n (HT M MCS6, 90pc duty cy		X	4.66	67.02	16.56	0.46	130.0	± 9.6 %
AAB MCS4, 90pc duty cy 10596- IEEE 802.11n (HT M MCS5, 90pc duty cy 10597- IEEE 802.11n (HT M MCS6, 90pc duty cy 10598- IEEE 802.11n (HT M MCS7, 90pc duty cy 10599- IEEE 802.11n (HT M MCS0, 90pc duty cy 10600- IEEE 802.11n (HT M MCS1, 90pc duty cy 10601- IEEE 802.11n (HT M MCS1, 90pc duty cy 10602- IEEE 802.11n (HT M MCS2, 90pc duty cy 10603- IEEE 802.11n (HT M MCS3, 90pc duty cy 10604- IEEE 802.11n (HT M MCS4, 90pc duty cy 10605- IEEE 802.11n (HT M MCS5, 90pc duty cy 10605- IEEE 802.11n (HT M MCS5, 90pc duty cy 10606- IEEE 802.11n (HT M MCS6, 90pc duty cy 10606- IEEE 802.11n (HT M MCS6, 90pc duty cy 10606- IEEE 802.11n (HT M MCS6, 90pc duty cy 10606- IEEE 802.11n (HT M MCS6, 90pc duty cy	- Charles	Y	4.55	66.71	16.34		130.0	
AAB MCS4, 90pc duty cy 10596- IEEE 802.11n (HT M MCS5, 90pc duty cy 10597- IEEE 802.11n (HT M MCS6, 90pc duty cy 10598- IEEE 802.11n (HT M MCS7, 90pc duty cy 10599- IEEE 802.11n (HT M MCS0, 90pc duty cy 10600- IEEE 802.11n (HT M MCS1, 90pc duty cy 10601- IEEE 802.11n (HT M MCS1, 90pc duty cy 10602- IEEE 802.11n (HT M MCS2, 90pc duty cy 10603- IEEE 802.11n (HT M MCS3, 90pc duty cy 10604- IEEE 802.11n (HT M MCS4, 90pc duty cy 10605- IEEE 802.11n (HT M MCS5, 90pc duty cy 10605- IEEE 802.11n (HT M MCS5, 90pc duty cy 10606- IEEE 802.11n (HT M MCS6, 90pc duty cy 10606- IEEE 802.11n (HT M MCS6, 90pc duty cy 10606- IEEE 802.11n (HT M MCS6, 90pc duty cy 10606- IEEE 802.11n (HT M MCS6, 90pc duty cy		Z	4.54	67.06	16.50		130.0	
AAB MCS5, 90pc duty cy 10597- AAB MCS6, 90pc duty cy 10598- AAB MCS7, 90pc duty cy 10599- AAB MCS7, 90pc duty cy 10599- AAB MCS0, 90pc duty cy 10600- AAB MCS1, 90pc duty cy 10601- AAB MCS2, 90pc duty cy 10602- AAB MCS3, 90pc duty cy 10603- AAB MCS3, 90pc duty cy 10604- AAB MCS4, 90pc duty cy 10605- AAB MCS5, 90pc duty cy 10606- IEEE 802.11n (HT MAB MCS5, 90pc duty cy 10606- IEEE 802.11n (HT MAB MCS5, 90pc duty cy 10606- IEEE 802.11n (HT MAB MCS5, 90pc duty cy 10606- IEEE 802.11n (HT MAB MCS5, 90pc duty cy 10606- IEEE 802.11n (HT MAB MCS6, 90pc duty cy 10606- IEEE 802.11n (HT MAB MCS6, 90pc duty cy		X	4.63	67.00	16.46	0.46	130.0	± 9.6 %
AAB MCS5, 90pc duty cy 10597- AAB MCS6, 90pc duty cy 10598- AAB IEEE 802.11n (HT MAB MCS7, 90pc duty cy 10599- AAB MCS0, 90pc duty cy 10600- AAB MCS1, 90pc duty cy 10601- AAB MCS1, 90pc duty cy 10602- AAB MCS2, 90pc duty cy 10603- AAB MCS3, 90pc duty cy 10604- AAB MCS4, 90pc duty cy 10604- AAB MCS5, 90pc duty cy 10605- AAB MCS6, 90pc duty cy 10606- IEEE 802.11n (HT MAB MCS5, 90pc duty cy 10606- IEEE 802.11n (HT MAB MCS5, 90pc duty cy 10606- IEEE 802.11n (HT MAB MCS6, 90pc duty cy 10606- IEEE 802.11n (HT MAB MCS6, 90pc duty cy 10606- IEEE 802.11n (HT MAB MCS6, 90pc duty cy	Contraction of the Contraction o	Y	4.51	66.68	16.25		130.0	
AAB MCS5, 90pc duty cy 10597- AAB MCS6, 90pc duty cy 10598- AAB IEEE 802.11n (HT MAB MCS7, 90pc duty cy 10599- AAB MCS0, 90pc duty cy 10600- AAB MCS1, 90pc duty cy 10601- AAB MCS1, 90pc duty cy 10602- AAB MCS2, 90pc duty cy 10603- AAB MCS3, 90pc duty cy 10604- AAB MCS4, 90pc duty cy 10604- AAB MCS5, 90pc duty cy 10605- AAB MCS6, 90pc duty cy 10606- IEEE 802.11n (HT MAB MCS5, 90pc duty cy 10606- IEEE 802.11n (HT MAB MCS5, 90pc duty cy 10606- IEEE 802.11n (HT MAB MCS6, 90pc duty cy 10606- IEEE 802.11n (HT MAB MCS6, 90pc duty cy 10606- IEEE 802.11n (HT MAB MCS6, 90pc duty cy		Z	4.50	67.04	16.41	81 12	130.0	
AAB MCS5, 90pc duty cy 10597- AAB MCS6, 90pc duty cy 10598- AAB IEEE 802.11n (HT MAB MCS7, 90pc duty cy 10599- AAB MCS0, 90pc duty cy 10600- AAB MCS1, 90pc duty cy 10601- AAB MCS1, 90pc duty cy 10602- AAB MCS2, 90pc duty cy 10603- AAB MCS3, 90pc duty cy 10604- AAB MCS4, 90pc duty cy 10604- AAB MCS5, 90pc duty cy 10605- AAB MCS6, 90pc duty cy 10606- IEEE 802.11n (HT MAB MCS5, 90pc duty cy 10606- IEEE 802.11n (HT MAB MCS5, 90pc duty cy 10606- IEEE 802.11n (HT MAB MCS6, 90pc duty cy 10606- IEEE 802.11n (HT MAB MCS6, 90pc duty cy 10606- IEEE 802.11n (HT MAB MCS6, 90pc duty cy	(HT Mixed, 20MHz.	X	4.56	66.95	16.45	0.46	130.0	± 9.6 %
AAB MCS6, 90pc duty cy 10598- AAB MCS7, 90pc duty cy 10599- AAB MCS0, 90pc duty cy 10600- AAB MCS1, 90pc duty cy 10601- AAB MCS1, 90pc duty cy 10602- AAB MCS2, 90pc duty cy 10603- AAB MCS3, 90pc duty cy 10603- AAB MCS4, 90pc duty cy 10604- AAB MCS5, 90pc duty cy 10605- AAB MCS6, 90pc duty cy 10606- IEEE 802.11n (HT N MCS5, 90pc duty cy		Y	4.44	66.62	16.22	10-10-50,000	130.0	070-090-000
AAB MCS6, 90pc duty cy 10598- AAB MCS7, 90pc duty cy 10599- AAB MCS0, 90pc duty cy 10600- AAB MCS1, 90pc duty cy 10601- AAB MCS1, 90pc duty cy 10602- AAB MCS2, 90pc duty cy 10603- AAB MCS3, 90pc duty cy 10603- AAB MCS4, 90pc duty cy 10604- AAB MCS5, 90pc duty cy 10605- AAB MCS6, 90pc duty cy 10606- IEEE 802.11n (HT N MCS5, 90pc duty cy		Z	4.42	66.95	16.38		130.0	
AAB MCS6, 90pc duty cy 10598- AAB MCS7, 90pc duty cy 10599- AAB MCS0, 90pc duty cy 10600- AAB MCS1, 90pc duty cy 10601- AAB MCS1, 90pc duty cy 10602- AAB MCS2, 90pc duty cy 10603- AAB MCS3, 90pc duty cy 10603- AAB MCS4, 90pc duty cy 10604- AAB MCS5, 90pc duty cy 10605- AAB MCS6, 90pc duty cy 10606- IEEE 802.11n (HT N MCS5, 90pc duty cy	/LIT Mixed 2014Lin	X	4.42	66.82	16.30	0.46		+000
AAB MCS7, 90pc duty cy 10599- IEEE 802.11n (HT M MCS0, 90pc duty cy 10600- AAB MCS1, 90pc duty cy 10601- AAB MCS1, 90pc duty cy 10602- AAB MCS2, 90pc duty cy 10603- AAB MCS3, 90pc duty cy 10604- AAB MCS4, 90pc duty cy 10605- AAB MCS5, 90pc duty cy 10605- AAB MCS6, 90pc duty cy 10606- IEEE 802.11n (HT M MCS6, 90pc duty cy		5000	7,525	HS-GA-795	18708	0,46	130.0	± 9.6 %
AAB MCS7, 90pc duty cy 10599- IEEE 802.11n (HT M MCS0, 90pc duty cy 10600- AAB MCS1, 90pc duty cy 10601- AAB MCS1, 90pc duty cy 10602- AAB MCS2, 90pc duty cy 10603- AAB MCS3, 90pc duty cy 10603- AAB MCS4, 90pc duty cy 10604- AAB MCS5, 90pc duty cy 10605- AAB MCS6, 90pc duty cy 10606- IEEE 802.11n (HT M MCS6, 90pc duty cy		Y	4.39	66.48	16.06		130.0	
AAB MCS7, 90pc duty cy 10599- IEEE 802.11n (HT M MCS0, 90pc duty cy 10600- AAB MCS1, 90pc duty cy 10601- AAB MCS1, 90pc duty cy 10602- AAB MCS2, 90pc duty cy 10603- AAB MCS3, 90pc duty cy 10603- AAB MCS4, 90pc duty cy 10604- AAB MCS5, 90pc duty cy 10605- AAB MCS6, 90pc duty cy 10606- IEEE 802.11n (HT M MCS6, 90pc duty cy		Z	4.38	66.82	16.22		130.0	
AAB MCS0, 90pc duty cy 10600- AAB MCS1, 90pc duty cy 10601- AAB MCS2, 90pc duty cy 10602- AAB MCS3, 90pc duty cy 10603- AAB MCS3, 90pc duty cy 10604- AAB MCS4, 90pc duty cy 10604- AAB MCS5, 90pc duty cy 10605- AAB MCS6, 90pc duty cy		×	4.51	67.06	16.58	0.46	130.0	± 9.6 %
AAB MCS0, 90pc duty cy 10600- AAB MCS1, 90pc duty cy 10601- AAB MCS2, 90pc duty cy 10602- AAB MCS3, 90pc duty cy 10603- AAB MCS3, 90pc duty cy 10604- AAB MCS4, 90pc duty cy 10604- AAB MCS5, 90pc duty cy 10605- AAB MCS6, 90pc duty cy	-Worst Land A	Y	4.39	66.73	16.35		130.0	
AAB MCS0, 90pc duty cy 10600- AAB MCS1, 90pc duty cy 10601- AAB MCS2, 90pc duty cy 10602- AAB MCS3, 90pc duty cy 10603- AAB MCS3, 90pc duty cy 10604- AAB MCS4, 90pc duty cy 10604- AAB MCS5, 90pc duty cy 10605- AAB MCS6, 90pc duty cy		Z	4.39	67.10	16.52		130.0	
AAB MCS1, 90pc duty cy 10601- IEEE 802.11n (HT N MCS2, 90pc duty cy 10602- AAB MCS3, 90pc duty cy 10603- AAB MCS4, 90pc duty cy 10604- AAB MCS5, 90pc duty cy 10604- AAB MCS6, 90pc duty cy 10605- AAB MCS6, 90pc duty cy		×	5.26	67.16	16.67	0.46	130.0	± 9.6 %
AAB MCS1, 90pc duty cy 10601- IEEE 802.11n (HT N MCS2, 90pc duty cy 10602- AAB MCS3, 90pc duty cy 10603- AAB MCS4, 90pc duty cy 10604- AAB IEEE 802.11n (HT N MCS4, 90pc duty cy 10604- AAB MCS5, 90pc duty cy 10605- AAB IEEE 802.11n (HT N MCS6, 90pc duty cy	All Maria	Y	5.19	66.95	16.55		130.0	
AAB MCS1, 90pc duty cy 10601- IEEE 802.11n (HT N MCS2, 90pc duty cy 10602- AAB MCS3, 90pc duty cy 10603- AAB MCS4, 90pc duty cy 10604- AAB MCS5, 90pc duty cy 10604- AAB MCS6, 90pc duty cy 10605- AAB MCS6, 90pc duty cy		Z	5.18	67.23	16.69		130.0	
AAB MCS2, 90pc duty cy 10602- AAB MCS3, 90pc duty cy 10603- AAB MCS4, 90pc duty cy 10604- AAB MCS5, 90pc duty cy 10604- AAB MCS5, 90pc duty cy 10605- AAB MCS6, 90pc duty cy		×	5.35	67.49	16.81	0.46	130.0	± 9.6 %
AAB MCS2, 90pc duty cy 10602- AAB MCS3, 90pc duty cy 10603- AAB MCS4, 90pc duty cy 10604- AAB MCS5, 90pc duty cy 10604- AAB MCS5, 90pc duty cy 10605- AAB MCS6, 90pc duty cy	TATE OF THE PARTY	Y	5.29	67.35	16.72		130.0	
AAB MCS2, 90pc duty cy 10602- AAB MCS3, 90pc duty cy 10603- AAB MCS4, 90pc duty cy 10604- AAB MCS5, 90pc duty cy 10605- AAB MCS6, 90pc duty cy 10606- IEEE 802.11n (HT N MCS6, 90pc duty cy		Z	5.23	67.44	16.76		130.0	
10602- AAB IEEE 802.11n (HT N MCS3, 90pc duty cy 10603- AAB IEEE 802.11n (HT N MCS4, 90pc duty cy 10604- AAB IEEE 802.11n (HT N MCS5, 90pc duty cy 10605- AAB IEEE 802.11n (HT N MCS6, 90pc duty cy		X	5.26	67.29	16.73	0.46	130.0	± 9.6 %
AAB MCS3, 90pc duty cy 10603- AAB MCS4, 90pc duty cy 10604- AAB MCS5, 90pc duty cy 10605- AAB MCS6, 90pc duty cy 10606- IEEE 802.11n (HT N MCS6, 90pc duty cy		Y	5.19	67.12	16.62		130.0	
AAB MCS3, 90pc duty cy 10603- AAB MCS4, 90pc duty cy 10604- AAB MCS5, 90pc duty cy 10605- AAB MCS6, 90pc duty cy 10606- IEEE 802.11n (HT N MCS6, 90pc duty cy		Z	5.20	67.45	16.79		130.0	
10603- AAB IEEE 802.11n (HT N MCS4, 90pc duty cy 10604- AAB IEEE 802.11n (HT N MCS5, 90pc duty cy 10605- AAB IEEE 802.11n (HT N MCS6, 90pc duty cy		×	5.35	67.29	16.64	0.46	130.0	± 9.6 %
AAB MCS4, 90pc duty cy 10604- IEEE 802.11n (HT M AAB MCS5, 90pc duty cy 10605- IEEE 802.11n (HT M AAB MCS6, 90pc duty cy 10606- IEEE 802.11n (HT M	THE STANCE OF TH	Y	5.27	67.10	16.53		130.0	
AAB MCS4, 90pc duty cy 10604- IEEE 802.11n (HT M AAB MCS5, 90pc duty cy 10605- IEEE 802.11n (HT M AAB MCS6, 90pc duty cy 10606- IEEE 802.11n (HT M		Z	5.22	67.23	16.59		130.0	
10604- IEEE 802.11n (HT N MCS5, 90pc duty cy 10605- AAB IEEE 802.11n (HT N MCS6, 90pc duty cy 10606- IEEE 802.11n (HT N		X	5.42	67.60	16.94	0.46	130.0	± 9.6 %
AAB MCS5, 90pc duty cy 10605- IEEE 802.11n (HT N AAB MCS6, 90pc duty cy 10606- IEEE 802.11n (HT N		Y	5.33	67.37	16.81		130.0	
AAB MCS5, 90pc duty cy 10605- IEEE 802.11n (HT N AAB MCS6, 90pc duty cy 10606- IEEE 802.11n (HT N		Z	5.26	67.44	16.84		130.0	
10605- IEEE 802.11n (HT N AAB MCS6, 90pc duty cy 10606- IEEE 802.11n (HT N		X	5.29	67.20	16.71	0.46	130.0	± 9.6 %
AAB MCS6, 90pc duty cy 10606- IEEE 802.11n (HT N	-1, 275007	Y	5.19	66.89	16.54		130.0	
AAB MCS6, 90pc duty cy 10606- IEEE 802.11n (HT N		Z	5.14	67.01	16.59		130.0	
10606- IEEE 802.11n (HT N		X	5.34	67.34	16.78	0.46	130.0	± 9.6 %
	ari ajaraj	Y	5.26	67.13	16.66		130.0	
		Z	5.20	67.25	16.72		130.0	
AAD INICOT, SUPE duty Cy		X	5.14	66.81	16.37	0.46	130.0	± 9.6 %
The state of the s	uty cycle)	Y	E 06	66.60	16.0F		120.0	
		Z	5.06	66.62 66.87	16.25		130.0	

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10607- AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	X	4.43	66.05	16.06	0.46	130.0	± 9.6 %
		Y	4.31	65.70	15.83		130.0	
		Z	4.32	66.12	16.02		130.0	
10608- AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	X	4.56	66.36	16.20	0.46	130.0	± 9.6 %
		Y	4.44	66.01	15.97		130.0	
		Z	4.43	66.38	16.15		130.0	
10609- AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	×	4.46	66.19	16.02	0.46	130.0	± 9.6 %
- Contraction		Y	4.34	65.83	15.77		130.0	
		Z	4.33	66.21	15.96		130.0	
10610- AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	×	4.51	66.37	16.19	0.46	130.0	± 9.6 %
		Y	4.39	66.01	15.96		130.0	
		Z	4.38	66.40	16.14		130.0	
10611- AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	X	4.42	66.15	16.03	0.46	130.0	± 9.6 %
		Y	4.30	65.79	15.79		130.0	
		Z	4.29	66.16	15.97		130.0	
10612- AAB	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	X	4.41	66.27	16.06	0.46	130.0	±9.6 %
		Y	4.28	65.89	15.81		130.0	
		Z	4.26	66.23	15.98		130.0	
10613- AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	X	4.40	66.08	15.90	0.46	130.0	±9.6 %
		Y	4.28	65.70	15.65		130.0	
- VIII	AND THE RESIDENCE OF THE PROPERTY OF THE PROPE	Z	4.26	66.05	15.81	100000	130.0	
10614- AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	X	4.38	66.33	16.17	0.46	130.0	±9.6 %
		Y	4.25	65.95	15.92		130.0	
	Later the part of	Z	4.25	66.33	16.10	ASSES.	130.0	
10615- AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	×	4,41	65.98	15.79	0.46	130.0	± 9.6 %
		Y	4.29	65.61	15.54		130.0	
HILDON.	The same of the sa	Z	4.27	65.99	15.72	2000	130.0	a sections
10616- AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	×	5.07	66.34	16.25	0.46	130.0	± 9.6 %
	100	Y	4.97	66.04	16.07		130.0	
0000	III TO THE TOTAL THE TAXABLE PROPERTY.	Z	4.96	66.31	16.21		130.0	
10617- AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	X	5.10	66.45	16.28	0.46	130.0	± 9.6 %
		Y	5.00	66.15	16.11		130.0	
	Water was the common second	Z	4.98	66.39	16.23		130.0	
10618- AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	×	5.02	66.53	16.33	0.46	130.0	± 9.6 %
		Y	4.91	66.19	16.14		130.0	
		Z	4.89	66.45	16.27		130.0	
10619- AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	×	5.04	66.36	16.18	0.46	130.0	± 9.6 %
	-0.75 - X - 22 - 10	Y	4.96	66.11	16.03		130.0	
	NAME OF TAXABLE PARTY.	Z	4.94	66.38	16.17		130.0	
10620- AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	X	5.11	66.35	16.22	0.46	130.0	± 9.6 %
	The state of the s	Y	5.01	66.06	16.05		130.0	
10621-	IEEE 802.11ac WiFi (40MHz, MCS5,	X	4.98 5.12	66.26 66.47	16.16 16.41	0.46	130.0	± 9.6 %
AAB	90pc duty cycle)		E 00	00.40	40.00		400.0	
		Y	5.02	66,16	16.23		130.0	
10000	IEEE 900 44 or WIEL (4014) - 14000	Z	5.00	66.43	16.37	0.40	130.0	+000
10622- AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	×	5.10	66.55	16.44	0.46	130.0	±9.6 %
		Y	5.00	66.25	16.27		130.0	
		Z	4.99	66.50	16.40		130.0	-

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10623- AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	X	5.00	66.11	16.08	0.46	130.0	± 9.6 %
		Y	4.90	65.81	15.90		130.0	1
		Z	4.89	66.10	16.05		130.0	
10624- AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	X	5.19	66.37	16.28	0.46	130.0	± 9.6 %
		Y	5.10	66.09	16.12		130.0	
		Z	5.07	66.34	16.24		130.0	
10625-	IEEE 802.11ac WiFi (40MHz, MCS9,	X	5.27	66,50	16.40	0.46	130.0	± 9.6 %
AAB	90pc duty cycle)	Y	15/55	. P. S.	134513430	0.40	0.7/20042	1 9.0 %
			5.19	66.27	16.28		130.0	
40000	1555 000 11 1155 1001 11 11000	Z	5.16	66.52	16,40		130.0	
10626- AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	×	5.40	66.37	16.20	0.46	130.0	± 9.6 %
		Y	5.31	66.07	16.04		130.0	
		Z	5.31	66.31	16.17		130.0	
10627- AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	×	5.62	66.96	16.47	0.46	130.0	± 9.6 %
	The state of the s	Y	5.56	66.76	16.37		130.0	
		Z	5.52	66.91	16.44		130.0	
10628- AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	×	5.39	66.34	16.09	0.46	130.0	± 9.6 %
Ortise)	Selection of the select	Y	5.30	66.04	15.92		130.0	
		Z	5.29	66.26	16.04		130.0	
10629- AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	×	5.50	66.54	16.19	0.46	130.0	± 9.6 %
0.00	- Committee out	Y	5.44	66.36	16.08		130.0	
		Z	5.44	66.63	16.23	1	130.0	
10630- AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	×	5.71	67.39	16.62	0.46	130.0	± 9.6 %
	cope day of ore	Y	5.64	67.17	16.50		130.0	
		Z	5.54	67.11	16.48		130.0	
10631- AAB	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	X	5.70	67.46	16.84	0.46	130.0	± 9.6 %
		Y	5.61	67.18	16.70		130.0	
		Z	5.56	67.29	16.76		130.0	
10632- AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	X	5.63	67.17	16.72	0.46	130.0	± 9.6 %
		Y	5.58	67.02	16.64		130.0	
		Z	5.57	67.27	16.77		130.0	
10633- AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	X	5.42	66.43	16.17	0.46	130.0	± 9.6 %
	30,000	Y	5.32	66.10	15.99		130.0	
		Z	5.30	66.32	16.11		130.0	
10634- AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	X	5.45	66.63	16.32	0.46	130.0	± 9.6 %
		Y	5.35	66.31	16.16		130.0	
		Z	5.35	66.57	16.29		130.0	
10635- AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	X	5.30	65.85	15.65	0.46	130.0	± 9.6 %
		Y	5.21	65.54	15.48		130.0	
		Z	5.19	65.76	15.60		130.0	
10636-	IEEE 802.11ac WiFi (160MHz, MCS0,	X	5.84	66.72	16.29	0.46	130.0	±9.6 %
AAC	90pc duty cycle)	Y	500000000		5050974	0.40	71-70-00 mm	1 3.0 %
			5.76	66.45	16.15		130.0	
10637-	IEEE 802.11ac WiFi (160MHz, MCS1,	X	5.76 5.95	67.01	16.26 16.43	0.46	130.0	± 9.6 %
AAC	90pc duty cycle)	Y	5.00	66.76	16.20		120.0	-
			5.88	66.76	16.30		130.0	
10620	IEEE 802.11ac WiFi (160MHz, MCS2.	Z	5.85	66.89	16.37	0.40	130.0	+0.000
10638- AAC	90pc duty cycle)	×	5.98	67.09	16.44	0.46	130.0	± 9.6 %
		Y	5.91	66.84	16.31		130.0	
		Z	5.91	67.08	16.44		130.0	

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10639-	IEEE 802.11ac WiFi (160MHz, MCS3,	X	5.93	66.96	16.42	0.46	130.0	± 9.6 %
AAC	90pc duty cycle)						100.0	20.0 70
		Y	5.85	66.68	16.27		130.0	
10010	IEEE 000 440 - WIEI (4000 H) - 1400 4	Z	5.84	66.87	16.37	-	130.0	
10640- AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	X	5.89	66.83	16.30	0.46	130.0	± 9.6 %
		Y	5.79	66.50	16.13		130.0	
10011		Z	5.76	66.65	16.20		130.0	
10641- AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	X	5.99	66.93	16.36	0.46	130.0	± 9.6 %
		Y	5.93	66.70	16.25		130.0	
10010	1555 000 44 1455 7150 11 1155	Z	5.89	66.83	16.32		130.0	
10642- AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	X	6.01	67.13	16.63	0.46	130.0	±9.6 %
		Y	5.93	66.84	16.49		130.0	
40010		Z	5.91	67.00	16.57		130.0	
10643- AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	X	5.86	66.81	16.36	0.46	130.0	± 9.6 %
		Y	5.78	66.52	16.22		130.0	
10011	IEEE OOG 11 1100	Z	5.75	66.66	16.29		130.0	
10644- AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	X	5.91	66.99	16.47	0.46	130.0	± 9.6 %
		Y	5.82	66.67	16.31		130.0	
1001-	THE SECOND STATE OF THE SE	Z	5.80	66.82	16.38		130.0	
10645- AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	×	6.04	67.04	16.47	0.46	130.0	± 9.6 %
		Y	5.97	66.82	16.36		130.0	
		Z	5.92	66.90	16.40		130.0	- 2
10646- AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	X	5.85	87.94	30.48	9.30	60.0	± 9.6 %
		Y	5.37	85.81	29.63		60.0	
		Z	4.49	83.14	29.09		60.0	
10647- AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	X	5.17	85.51	29.66	9.30	60.0	± 9.6 %
		Y	4.78	83.60	28.89		60.0	
		Z	4.02	80.87	28.26		60.0	
10648- AAA	CDMA2000 (1x Advanced)	X	0.51	61.76	8.43	0.00	150.0	± 9.6 %
		Y	0.38	60.00	6.13		150.0	
		Z	0.38	60.10	6.48		150.0	
10652- AAB	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	3.13	65.98	15.78	2.23	80.0	±9.6 %
	- 2007 XV 10	Y	2.93	65.12	15.15		0.08	
		Z	3.02	66.07	15.57		80.0	
10653- AAB	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	×	3.69	65.40	16.13	2.23	80.0	±9.6 %
		Y	3.54	64.83	15.74		80.0	
		Z	3.60	65.47	16.04		80.0	
10654- AAB	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	X	3.72	65.03	16.17	2.23	80.0	±9.6 %
HEAT NO.	DOWNER OF THE PARTY OF THE PART	Y	3.58	64.50	15.83		80.0	
		Z	3.65	65.07	16.11		80.0	
10655- AAB	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	3.80	64.95	16.21	2.23	80.0	± 9.6 %
SU-512-7	Serven cores cotton	Y	3.67	64.43	15.88		80.0	
		Z	3.74	64.95	16.16		80.0	
10658- AAA	Pulse Waveform (200Hz, 10%)	Х	4.43	71.88	12.89	10.00	50.0	±9.6 %
THE KINDS		Y	2.96	67.08	10.79		50.0	
		Z	4.92	73.02	13.29		50.0	
10659- AAA	Pulse Waveform (200Hz, 20%)	X	21.85	87.99	16.66	6.99	60.0	± 9.6 %
		Y	1.49	64.48	8.54		60.0	

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10660- AAA	Pulse Waveform (200Hz, 40%)	X	100.00	100.24	18.17	3.98	80.0	± 9.6 %
		Y	0.44	60.00	5.03		80.0	
March M.	The second secon	Z	100.00	101.16	18.48		80.0	
10661- AAA	Pulse Waveform (200Hz, 60%)	X	100.00	101.13	17.57	2.22	100.0	±9.6 %
		Y	0.24	60.00	3.65		100.0	
		Z	100.00	102.26	17.94		100.0	
10662- AAA	Pulse Waveform (200Hz, 80%)	X	100.00	99.08	15.66	0.97	120.0	± 9.6 %
		Y	3.24	108.92	7.51		120.0	
		Z	100.00	98.42	15.34		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.

1.1. D450V3 Dipole Calibration Certificate

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





Schweizerischer Kalibrierdienst Service suisse d'étalonnage C Servizio svizzero di taratura **Swiss Calibration Service**

Accreditation No.: SCS 0108

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

ate No: D450V3-1102 Feb18

	ERTIFICATE		
Dbject	D450V3 - SN:110	2	
Calibration procedure(s)	QA CAL-15.v8 Calibration proces	dure for dipole validation kits belo	ow 700 MHz
Calibration date:	February 23, 2018	8	
The measurements and the unce	rtainties with confidence pr	onal standards, which realize the physical unicobability are given on the following pages and y facility: environment temperature $(22 \pm 3)^{\circ}$ C	d are part of the certificate.
	ID#	Cal Date (Certificate No.)	Scheduled Calibration
Primary Standards Power meter NRP	SN: 104778	04-Apr-17 (No. 217-02521/02522)	Apr-18
Power meter NRP-Z91	SN: 103244	04-Apr-17 (No. 217-02521)	Apr-18
Power sensor NRP-Z91	SN: 103245	04-Apr-17 (No. 217-02522)	Apr-18
	SN: 5277 (20x)	07-Apr-17 (No. 217-02528)	Apr-18
	SN: 5047.2 / 06327	07-Apr-17 (No. 217-02529)	Apr-18
			D 40
Type-N mismatch combination	Landauer Committee of the Committee of t	30-Dec-17 (No. EX3-3877_Dec17)	Dec-18
Type-N mismatch combination Reference Probe EX3DV4	SN: 3877 SN: 654	30-Dec-17 (No. EX3-3877_Dec17) 24-Jul-17 (No. DAE4-654_Jul17)	Jul-18
Type-N mismatch combination Reference Probe EX3DV4 DAE4	SN: 3877 SN: 654		
Type-N mismatch combination Reference Probe EX3DV4 DAE4 Secondary Standards	SN: 3877	24-Jul-17 (No. DAE4-654_Jul17)	Jul-18
Type-N mismatch combination Reference Probe EX3DV4 DAE4 Secondary Standards Power meter E4419B	SN: 3877 SN: 654	24-Jul-17 (No. DAE4-654_Jul17) Check Date (in house)	Jul-18 Scheduled Check
Type-N mismatch combination Reference Probe EX3DV4 DAE4 Secondary Standards Power meter E4419B Power sensor E4412A	SN: 3877 SN: 654 ID # SN: GB41293874	24-Jul-17 (No. DAE4-654_Jul17) Check Date (in house) 06-Apr-16 (No. 217-02285/02284)	Jul-18 Scheduled Check In house check: Jun-18
Type-N mismatch combination Reference Probe EX3DV4 DAE4 Secondary Standards Power meter E4419B Power sensor E4412A Power sensor E4412A	SN: 3877 SN: 654 ID # SN: GB41293874 SN: MY41498087	24-Jul-17 (No. DAE4-654_Jul17) Check Date (in house) 06-Apr-16 (No. 217-02285/02284) 06-Apr-16 (No. 217-02285)	Jul-18 Scheduled Check In house check: Jun-18 In house check: Jun-18 In house check: Jun-18 In house check: Jun-18
Type-N mismatch combination Reference Probe EX3DV4 DAE4 Secondary Standards Power meter E4419B Power sensor E4412A Power sensor E4412A RF generator HP 8648C	SN: 3877 SN: 654 ID # SN: GB41293874 SN: MY41498087 SN: 000110210	24-Jul-17 (No. DAE4-654_Jul17) Check Date (in house) 06-Apr-16 (No. 217-02285/02284) 06-Apr-16 (No. 217-02285) 06-Apr-16 (No. 217-02284)	Jul-18 Scheduled Check In house check: Jun-18 In house check: Jun-18 In house check: Jun-18
Reference 20 dB Attenuator Type-N mismatch combination Reference Probe EX3DV4 DAE4 Secondary Standards Power meter E4419B Power sensor E4412A Power sensor E4412A RF generator HP 8648C Network Analyzer HP 8753E	SN: 3877 SN: 654 ID # SN: GB41293874 SN: MY41498087 SN: 000110210 SN: US3642U01700	24-Jul-17 (No. DAE4-654_Jul17) Check Date (in house) 06-Apr-16 (No. 217-02285/02284) 06-Apr-16 (No. 217-02285) 06-Apr-16 (No. 217-02284) 04-Aug-99 (in house check Jun-16)	Jul-18 Scheduled Check In house check: Jun-18 In house check: Jun-18 In house check: Jun-18 In house check: Jun-18
Type-N mismatch combination Reference Probe EX3DV4 DAE4 Secondary Standards Power meter E4419B Power sensor E4412A Power sensor E4412A RF generator HP 8648C	SN: 3877 SN: 654 ID # SN: GB41293874 SN: MY41498087 SN: 000110210 SN: US3642U01700 SN: US37390585	24-Jul-17 (No. DAE4-654_Jul17) Check Date (in house) 06-Apr-16 (No. 217-02285/02284) 06-Apr-16 (No. 217-02285) 06-Apr-16 (No. 217-02284 04-Aug-99 (in house check Jun-16) 18-Oct-01 (in house check Oct-17)	Jul-18 Scheduled Check In house check: Jun-18 In house check: Jun-18 In house check: Jun-18 In house check: Jun-18 In house check: Oct-18
Type-N mismatch combination Reference Probe EX3DV4 DAE4 Secondary Standards Power meter E4419B Power sensor E4412A Power sensor E4412A RF generator HP 8648C Network Analyzer HP 8753E	SN: 3877 SN: 654 ID # SN: GB41293874 SN: MY41498087 SN: 000110210 SN: US3642U01700 SN: US37390585 Name	24-Jul-17 (No. DAE4-654_Jul17) Check Date (in house) 06-Apr-16 (No. 217-02285/02284) 06-Apr-16 (No. 217-02285) 06-Apr-16 (No. 217-02284 04-Aug-99 (in house check Jun-16) 18-Oct-01 (in house check Oct-17) Function	Jul-18 Scheduled Check In house check: Jun-18 In house check: Jun-18 In house check: Jun-18 In house check: Jun-18 In house check: Oct-18

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Calibration Laboratory of

Schmid & Partner Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland





S Schweizerischer Kalibrierdienst
Service suisse d'étalonnage
Servizio svizzero di taratura

Accreditation No.: SCS 0108

S Swiss Calibration Service

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 N/A sensitivity in TSL / NORM x,y,z 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 62209-1, "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"

Additional Documentation:

e) 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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Measurement Conditions

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

DASY Version	DASY5	V52.10.0
Extrapolation	Advanced Extrapolation	
Phantom	ELI4 Flat Phantom	Shell thickness: 2 ± 0.2 mm
Distance Dipole Center - TSL	15 mm	with Spacer
Zoom Scan Resolution	dx, dy, dz = 5 mm	
Frequency	450 MHz ± 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	43.5	0.87 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	43.7 ± 6 %	0.87 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C		

SAR result with Head TSL

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	1.12 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	4.48 W/kg ± 18.1 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR measured	250 mW input power	0.749 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	3.00 W/kg ± 17.6 % (k=2)

Body TSL parametersThe following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Body TSL parameters	22.0 °C	56.7	0.94 mho/m
Measured Body TSL parameters	(22.0 ± 0.2) °C	56.0 ± 6 %	0.93 mho/m ± 6 %
Body TSL temperature change during test	< 0.5 °C		

SAR result with Body TSL

SAR averaged over 1 cm ³ (1 g) of Body TSL	Condition	
SAR measured	250 mW input power	1.11 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	4.47 W/kg ± 18.1 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Body TSL	condition	
SAR measured	250 mW input power	0.749 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	3.01 W/kg ± 17.6 % (k=2)

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	59.6 Ω - 0.2 jΩ	
Return Loss	- 21.1 dB	

Antenna Parameters with Body TSL

Impedance, transformed to feed point	55.1 Ω - 6.9 jΩ	
Return Loss	- 21.8 dB	

General Antenna Parameters and Design

Electrical Delay (one direction)	1.348 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	October 05, 2017

DASY5 Validation Report for Head TSL

Date: 23.02.2018

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 450 MHz D450V3; Type: D450V3; Serial: D450V3 - SN:1102

Communication System: UID 0 - CW; Frequency: 450 MHz

Medium parameters used: f = 450 MHz; $\sigma = 0.87 \text{ S/m}$; $\varepsilon_r = 43.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

• Probe: EX3DV4 - SN3877; ConvF(10.5, 10.5, 10.5); Calibrated: 30.12.2017;

• Sensor-Surface: 1.4mm (Mechanical Surface Detection)

• Electronics: DAE4 Sn654; Calibrated: 24.07.2017

• Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1003

• DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Dipole Calibration for Head Tissue/d=15mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0:

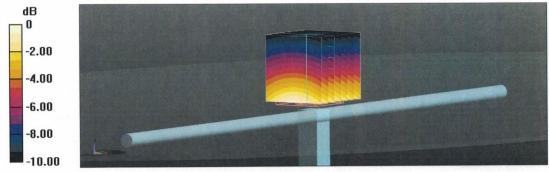
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 43.13 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.73 W/kg

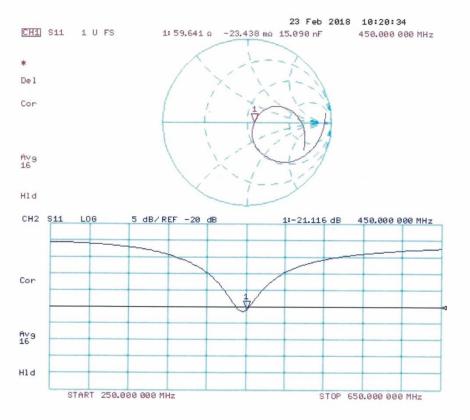
SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.749 W/kg

Maximum value of SAR (measured) = 1.51 W/kg



0 dB = 1.51 W/kg = 1.79 dBW/kg

Impedance Measurement Plot for Head TSL



DASY5 Validation Report for Body TSL

Date: 23.02.2018

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 450 MHz D450V3; Type: D450V3; Serial: D450V3 - SN:1102

Communication System: UID 0 - CW; Frequency: 450 MHz

Medium parameters used: f = 450 MHz; $\sigma = 0.93 \text{ S/m}$; $\varepsilon_r = 56$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

• Probe: EX3DV4 - SN3877; ConvF(10.8, 10.8, 10.8); Calibrated: 30.12.2017;

• Sensor-Surface: 1.4mm (Mechanical Surface Detection)

• Electronics: DAE4 Sn654; Calibrated: 24.07.2017

• Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1003

• DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Dipole Calibration for Body Tissue/d=15mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0:

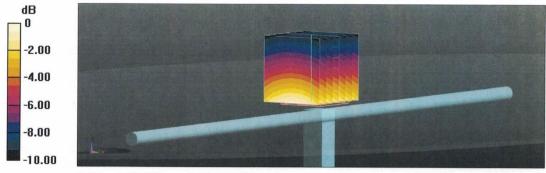
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 41.23 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.71 W/kg

SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.749 W/kg

Maximum value of SAR (measured) = 1.50 W/kg



0 dB = 1.50 W/kg = 1.76 dBW/kg

Impedance Measurement Plot for Body TSL

