



EX3DV4- SN:3617 January 31, 2019

10492						
10493	10492	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL	LTE-TDD	8.41	± 9.6 %
10494	10493	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL	LTE-TDD	8.55	± 9.6 %
Subframe=2,34,7,8,9	10101					
10496	10494	AAF		LTE-TDD	7.74	± 9.6 %
Subframe=2,3,4,7,8,9	10495	AAF		LTE-TDD	8.37	+96%
Subframe=2,3,4,7,8,9	1,000,00	London		212 100	0.07	_ 0.0 /0
10497	10496	AAF		LTE-TDD	8.54	± 9.6 %
Subframe-2.3.4,7.8.9	40407			1.75.755	7.07	. 0 0 0/
10498	10497	AAA		LIE-IDD	7.67	± 9.6 %
Subframe-2.3.4,7.8.9 Subf	10498	AAA		LTE-TDD	8.40	± 9.6 %
Subframe=2,3,4,7,8,9	*	100.000.000000	Subframe=2,3,4,7,8,9)	ACTION OF THE STATE OF THE STAT	XXXII.XVXIV	
10500	10499	AAA		LTE-TDD	8.68	± 9.6 %
Subframe=2,3,4,7,8,9 Subf	10500	AAD		LTE TOD	7.07	1000
10501 AAB	10300	AAB		LIE-IDD	7.67	± 9.6 %
Subframe=2,3,4,7,8,9 Subf	10501	AAB		LTE-TDD	8.44	± 9.6 %
Subframe=2,3,4,7,8,9 LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL LTE-TDD						
AAE	10502	AAB		LTE-TDD	8.52	± 9.6 %
Subframe=2,3,4,7,8,9 Subf	10503	AAF		I TE TOD	7 72	+06%
AAE	10000	701		LIE-IDD	1.12	1 9.0 /6
10505	10504	AAE		LTE-TDD	8.31	± 9.6 %
Subframe=2,3,4,7,8,9		ļ				
10506	10505	AAE		LTE-TDD	8.54	± 9.6 %
Subframe=2,3,4,7,8,9	10506	AAF		LTE-TDD	7 74	+96%
Subframe=2,3,4,7,8,9 LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL LTE-TDD S.55 ±9.6 % Subframe=2,3,4,7,8,9 Subframe=2,3,4,7,8,9 LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL LTE-TDD T.99 ±9.6 % Subframe=2,3,4,7,8,9 Subframe=2,3,4,7,8,9 LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL LTE-TDD S.49 ±9.6 % Subframe=2,3,4,7,8,9 Subframe=2,3,4,7,8,9 LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL LTE-TDD T.74 ±9.6 % Subframe=2,3,4,7,8,9 Subframe=2,3,4,7,8,9		/ 5 12		LIL IDD	7.1.4	2 0.0 70
10508	10507	AAE		LTE-TDD	8.36	± 9.6 %
Subframe=2,3,4,7,8,9	40500					
10509	10508	AAE		LIE-IDD	8.55	± 9.6 %
Subframe=2,3,4,7,8,9 LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz,	10509	AAE		LTE-TDD	7.99	± 9.6 %
Subframe=2,3,4,7,8,9 LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle) WLAN	50,000,000,000	50.0000000				
10511	10510	AAE		LTE-TDD	8.49	± 9.6 %
Subframe=2,3,4,7,8,9 LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) Subframe=2,3,4,7,8,9 LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 100% RB,	10511	AAE		LTE TOD	0.51	+069/
10512	10011	/VAL		LIE-IDD	0.51	± 9.0 %
10513	10512	AAF		LTE-TDD	7.74	± 9.6 %
Subframe=2,3,4,7,8,9 Subframe=2,3,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,						
10514	10513	AAF		LTE-TDD	8.42	± 9.6 %
Subframe=2,3,4,7,8,9	10514	AAF		LTE-TDD	8 45	+96%
10516		7.4.11		LIL IDD	0.40	2 0.0 70
10517						
10518 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle) WLAN 8.23 ± 9.6 % 10519 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle) WLAN 8.39 ± 9.6 % 10520 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle) WLAN 8.12 ± 9.6 % 10521 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle) WLAN 7.97 ± 9.6 % 10522 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle) WLAN 8.45 ± 9.6 % 10523 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle) WLAN 8.08 ± 9.6 % 10524 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle) WLAN 8.27 ± 9.6 % 10525 AAB IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle) WLAN 8.36 ± 9.6 % 10526 AAB IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle) WLAN 8.42 ± 9.6 % 10527 AAB IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle) WLAN 8.36 ± 9.6 %			IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)			
10519						
10520 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle) WLAN 8.12 ± 9.6 %						
10521 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle) WLAN 7.97 ± 9.6 % 10522 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle) WLAN 8.45 ± 9.6 % 10523 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle) WLAN 8.08 ± 9.6 % 10524 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle) WLAN 8.27 ± 9.6 % 10525 AAB IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle) WLAN 8.36 ± 9.6 % 10526 AAB IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle) WLAN 8.42 ± 9.6 % 10527 AAB IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle) WLAN 8.21 ± 9.6 % 10528 AAB IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle) WLAN 8.36 ± 9.6 % 10529 AAB IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle) WLAN 8.36 ± 9.6 % 10531 AAB IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle) WLAN 8.43 ± 9.6 % <						
10523 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle) WLAN 8.08 ± 9.6 % 10524 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle) WLAN 8.27 ± 9.6 % 10525 AAB IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle) WLAN 8.36 ± 9.6 % 10526 AAB IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle) WLAN 8.42 ± 9.6 % 10527 AAB IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle) WLAN 8.21 ± 9.6 % 10528 AAB IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle) WLAN 8.36 ± 9.6 % 10529 AAB IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle) WLAN 8.36 ± 9.6 % 10531 AAB IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle) WLAN 8.43 ± 9.6 % 10532 AAB IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle) WLAN 8.29 ± 9.6 % 10533 AAB IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle) WLAN 8.29 ± 9.6 % 10533 AAB IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle) WLAN 8.28 ± 9.6 % 10533 AAB IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle) WLAN 8.28 ± 9.6 % 10533 AAB IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle) WLAN 8.38 ± 9.6 % 10533 AAB IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle) WLAN 8.38 ± 9.6 % 10533 AAB IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle) WLAN 8.38 ± 9.6 % 10533 AAB IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle) WLAN 8.38 ± 9.6 % 10533 AAB IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle) WLAN 8.38 ± 9.6 % 10533 AAB IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle) WLAN 8.38 ± 9.6 % 10533 AAB IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle) WLAN 8.38 ± 9.6 % 10533 AAB IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle) WLAN 8.38 ± 9.6 % 10533 AAB IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle) WLAN 8.38 ± 9.6 % 10533 AAB IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle) WLAN 8.38 ± 9.6 % 10533 AAB IEEE 802.11ac WiFi (20MHz, MCS8,			IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)			
10524 AAB IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle) WLAN 8.27 ± 9.6 % 10525 AAB IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle) WLAN 8.36 ± 9.6 % 10526 AAB IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle) WLAN 8.42 ± 9.6 % 10527 AAB IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle) WLAN 8.21 ± 9.6 % 10528 AAB IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle) WLAN 8.36 ± 9.6 % 10529 AAB IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle) WLAN 8.36 ± 9.6 % 10531 AAB IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle) WLAN 8.43 ± 9.6 % 10532 AAB IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle) WLAN 8.29 ± 9.6 % 10533 AAB IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle) WLAN 8.38 ± 9.6 %						
10525 AAB IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle) WLAN 8.36 ± 9.6 % 10526 AAB IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle) WLAN 8.42 ± 9.6 % 10527 AAB IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle) WLAN 8.21 ± 9.6 % 10528 AAB IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle) WLAN 8.36 ± 9.6 % 10529 AAB IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle) WLAN 8.36 ± 9.6 % 10531 AAB IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle) WLAN 8.43 ± 9.6 % 10532 AAB IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle) WLAN 8.29 ± 9.6 % 10533 AAB IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle) WLAN 8.38 ± 9.6 %						
10526 AAB IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle) WLAN 8.42 ± 9.6 % 10527 AAB IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle) WLAN 8.21 ± 9.6 % 10528 AAB IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle) WLAN 8.36 ± 9.6 % 10529 AAB IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle) WLAN 8.36 ± 9.6 % 10531 AAB IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle) WLAN 8.43 ± 9.6 % 10532 AAB IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle) WLAN 8.29 ± 9.6 % 10533 AAB IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle) WLAN 8.38 ± 9.6 %						
10527 AAB IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle) WLAN 8.21 ± 9.6 % 10528 AAB IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle) WLAN 8.36 ± 9.6 % 10529 AAB IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle) WLAN 8.36 ± 9.6 % 10531 AAB IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle) WLAN 8.43 ± 9.6 % 10532 AAB IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle) WLAN 8.29 ± 9.6 % 10533 AAB IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle) WLAN 8.38 ± 9.6 %						
10529 AAB IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle) WLAN 8.36 ± 9.6 % 10531 AAB IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle) WLAN 8.43 ± 9.6 % 10532 AAB IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle) WLAN 8.29 ± 9.6 % 10533 AAB IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle) WLAN 8.38 ± 9.6 %			IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)			
10531 AAB IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle) WLAN 8.43 ± 9.6 % 10532 AAB IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle) WLAN 8.29 ± 9.6 % 10533 AAB IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle) WLAN 8.38 ± 9.6 %						
10532 AAB IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle) WLAN 8.29 ± 9.6 % 10533 AAB IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle) WLAN 8.38 ± 9.6 %						
10533 AAB IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle) WLAN 8.38 ± 9.6 %			IEEE 802.11ac WIFI (20MHz, MCS7, 99pc duty cycle)			
, , , , , , , , , , , , , , , , , , ,			IEEE 802.11ac WiFi (20MHz, MCS8, 99nc duty cycle)			

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40505	1 4 4 D				
10535	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	WLAN	8.45	± 9.6 %
10536	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	WLAN	8.32	± 9.6 %
10537	AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	WLAN	8.44	± 9.6 %
10538	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	WLAN	8.54	± 9.6 %
10540	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	WLAN	8.39	± 9.6 %
10541	AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)	WLAN	8.46	± 9.6 %
10542	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	WLAN	8.65	± 9.6 %
10543	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	WLAN	8.65	± 9.6 %
10544	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	WLAN	8.47	± 9.6 %
10545	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)	WLAN	8.55	± 9.6 %
10546	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	WLAN	8.35	± 9.6 %
10547	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	WLAN	8.49	± 9.6 %
10548	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	WLAN	8.37	± 9.6 %
10550	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	WLAN	8.38	± 9.6 %
10551	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	WLAN	8.50	± 9.6 %
10552	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	WLAN	8.42	± 9.6 %
10553	AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	WLAN	8.45	± 9.6 %
10554	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	WLAN	8.48	± 9.6 %
10555	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	WLAN	8.47	± 9.6 %
10556	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)	WLAN	8.50	± 9.6 %
10557	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	WLAN	8.52	± 9.6 %
10558	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	WLAN	8.61	± 9.6 %
10560	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	WLAN	8.73	± 9.6 %
10561	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	WLAN	8.56	± 9.6 %
10562	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	WLAN		
				8.69	± 9.6 %
10563	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	WLAN	8.77	± 9.6 %
10564	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty	WLAN	8.25	± 9.6 %
10505		cycle)	110 111	0.45	
10565	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty	WLAN	8.45	± 9.6 %
10500		cycle)			
10566	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty	WLAN	8.13	± 9.6 %
		cycle)			
10567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty	WLAN	8.00	± 9.6 %
		cycle)			
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty	WLAN	8.37	± 9.6 %
		cycle)			
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty	WLAN	8.10	± 9.6 %
		cycle)			
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty	WLAN	8.30	± 9.6 %
		cycle)			
10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN	1.99	± 9.6 %
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WLAN	1.99	± 9.6 %
10573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN	1.98	± 9.6 %
10574	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	WLAN	1.98	± 9.6 %
10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty	WLAN	8.59	± 9.6 %
		cycle)		7.75	
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty	WLAN	8.60	± 9.6 %
	,	cycle)	112/114	0.00	2 0.0 /
10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty	WLAN	8.70	± 9.6 %
10077	7001	cycle)	VVL/AIN	0.70	2 3.0 /
10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty	WLAN	8.49	± 9.6 %
10070		cycle)	VVLAIN	0.49	1 9.0 /
10579	AAA	IEEE 802.11a WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty	WLAN	8.36	1060
10373	AAA	cycle)	VVLAIN	0.30	± 9.6 %
10500	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty	VA/L A N L	0.70	1000
10580	AAA		WLAN	8.76	± 9.6 %
		cycle)	14/1 41/1	0.05	
10501	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty	WLAN	8.35	± 9.6 %
10581		cycle)			
		IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty	WLAN	8.67	± 9.6 %
	AAA				1
10582		cycle)		_	
10582 10583	AAB	cycle) IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	± 9.6 %
10582 10583		cycle)	WLAN WLAN	8.59 8.60	
10582 10583 10584	AAB	cycle) IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)			± 9.6 %
10581 10582 10583 10584 10585 10586	AAB AAB	cycle) IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle) IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %

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19599 AAB					M	
10599 AAB				WLAN	8.76	± 9.6 %
10591 AAB	10589			WLAN	8.35	± 9.6 %
10593 AAB	10590	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	± 9.6 %
10993 AAB	10591	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	WLAN	8.63	± 9.6 %
10595		AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	WLAN	8.79	
10596 AAB IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	10593		IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	WLAN	8.64	± 9.6 %
10999	10594	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10598 AAB IEEE 802.11n (HT Mixed; 20MHz, MCSR, 90pc duty cycle)		AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10599	10596	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle)	WLAN	8.71	± 9.6 %
10599	10597	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle)	WLAN	8.72	± 9.6 %
10600	10598	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	WLAN	8.50	± 9.6 %
10601 AAB IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle) WLAN 8.82 19.6 % 10602 AAB IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle) WLAN 9.03 19.6 % 10603 AAB IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle) WLAN 9.03 19.6 % 10604 AAB IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle) WLAN 8.97 19.6 % 10605 AAB IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle) WLAN 8.97 19.6 % 10606 AAB IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle) WLAN 8.62 19.6 % 10607 AAB IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle) WLAN 8.62 19.6 % 10608 AAB IEEE 802.11n (HT Mixed, 40MHz, MCS9, 90pc duty cycle) WLAN 8.62 19.6 % 10609 AAB IEEE 802.11nc WiFi (20MHz, MCS9, 90pc duty cycle) WLAN 8.77 19.6 % 10609 AAB IEEE 802.11nc WiFi (20MHz, MCS9, 90pc duty cycle) WLAN 8.77 19.6 % 10610 AAB IEEE 802.11nc WiFi (20MHz, MCS9, 90pc duty cycle) WLAN 8.78 19.6 % 10611 AAB IEEE 802.11nc WiFi (20MHz, MCS9, 90pc duty cycle) WLAN 8.78 19.6 % 10611 AAB IEEE 802.11nc WiFi (20MHz, MCS9, 90pc duty cycle) WLAN 8.79 19.6 % 10611 AAB IEEE 802.11nc WiFi (20MHz, MCS9, 90pc duty cycle) WLAN 8.70 19.6 % 10614 AAB IEEE 802.11nc WiFi (20MHz, MCS9, 90pc duty cycle) WLAN 8.77 19.6 % 10614 AAB IEEE 802.11nc WiFi (20MHz, MCS9, 90pc duty cycle) WLAN 8.79 19.6 % 10616 AAB IEEE 802.11nc WiFi (20MHz, MCS9, 90pc duty cycle) WLAN 8.99 19.6 % 10616 AAB IEEE 802.11nc WiFi (40MHz, MCS9, 90pc duty cycle) WLAN 8.82 19.6 % 10616 AAB IEEE 802.11nc WiFi (40MHz, MCS9, 90pc duty cycle) WLAN 8.82 19.6 % 10616 AAB IEEE 802.11nc WiFi (40MHz, MCS9, 90pc duty cycle) WLAN 8.82 19.6 % 10617 AAB IEEE 802.11nc WiFi (40MHz, MCS9, 90pc duty cycle) WLAN 8.81 19.6 % 10619 AAB IEEE 802.11nc WiFi (40MHz, MCS9, 90pc duty cycle) WLAN 8.88 19.6 % 10619 AAB IEEE 802.11nc WiFi (40MHz, MCS9, 90pc du	10599	AAB		WLAN	8.79	± 9.6 %
10602	10600	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	WLAN	8.88	± 9.6 %
10603 AAB IEEE 802.11n (HT Mixed, 40MHz, MCSS, 90pc duly cycle) WLAN 8.76 29.6 % 10605 AAB IEEE 802.11n (HT Mixed, 40MHz, MCSS, 90pc duly cycle) WLAN 8.77 29.6 % 10606 AAB IEEE 802.11n (HT Mixed, 40MHz, MCSS, 90pc duly cycle) WLAN 8.97 29.6 % 10606 AAB IEEE 802.11n (HT Mixed, 40MHz, MCSS, 90pc duly cycle) WLAN 8.92 29.6 % 10606 AAB IEEE 802.11n (WT Mixed, 40MHz, MCSS, 90pc duly cycle) WLAN 8.92 29.6 % 10606 AAB IEEE 802.11nc WiFi (20MHz, MCSS) 90pc duly cycle) WLAN 8.77 29.6 % 10606 AAB IEEE 802.11nc WiFi (20MHz, MCSS) 90pc duly cycle) WLAN 8.77 29.6 % 10610 AAB IEEE 802.11nc WiFi (20MHz, MCSS) 90pc duly cycle) WLAN 8.77 29.6 % 10610 AAB IEEE 802.11nc WiFi (20MHz, MCSS, 90pc duly cycle) WLAN 8.78 29.6 % 10611 AAB IEEE 802.11nc WiFi (20MHz, MCSS, 90pc duly cycle) WLAN 8.70 29.6 % 10612 AAB IEEE 802.11nc WiFi (20MHz, MCSS, 90pc duly cycle) WLAN 8.70 29.6 % 10613 AAB IEEE 802.11nc WiFi (20MHz, MCSS, 90pc duly cycle) WLAN 8.70 29.6 % 10615 AAB IEEE 802.11nc WiFi (20MHz, MCSS, 90pc duly cycle) WLAN 8.94 29.6 % 10615 AAB IEEE 802.11nc WiFi (20MHz, MCSS, 90pc duly cycle) WLAN 8.94 29.6 % 10616 AAB IEEE 802.11nc WiFi (20MHz, MCSS, 90pc duly cycle) WLAN 8.92 29.6 % 10616 AAB IEEE 802.11nc WiFi (20MHz, MCSS, 90pc duly cycle) WLAN 8.82 29.6 % 10616 AAB IEEE 802.11nc WiFi (40MHz, MCSS, 90pc duly cycle) WLAN 8.82 29.6 % 10618 AAB IEEE 802.11nc WiFi (40MHz, MCSS, 90pc duly cycle) WLAN 8.82 29.6 % 10618 AAB IEEE 802.11nc WiFi (40MHz, MCSS, 90pc duly cycle) WLAN 8.82 29.6 % 10618 AAB IEEE 802.11nc WiFi (40MHz, MCSS, 90pc duly cycle) WLAN 8.82 29.6 % 10620 AAB IEEE 802.11nc WiFi (40MHz, MCSS, 90pc duly cycle) WLAN 8.84 29.6 % 10620 AAB IEEE 802.11nc WiFi (40MHz, MCSS, 90pc duly cycle) WLAN 8.87 29.6 % 10620 AAB IEEE 802.11nc WiFi (40MHz, MCSS, 90pc duly c	10601	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10604 AAB IEEE 802.11n (HT Mixed, 40MHz, MCSS, 90pc duty cycle) WLAN 8.76 2.9.6 % 10606 AAB IEEE 802.11n (HT Mixed, 40MHz, MCSS, 90pc duty cycle) WLAN 8.87 2.9.6 % 10607 AAB IEEE 802.11n (HT Mixed, 40MHz, MCSS, 90pc duty cycle) WLAN 8.62 2.9.6 % 10607 AAB IEEE 802.11n (WIFI (20MHz, MCS), 90pc duty cycle) WLAN 8.64 2.9.6 % 10609 AAB IEEE 802.11n (WIFI (20MHz, MCS), 90pc duty cycle) WLAN 8.64 2.9.6 % 10609 AAB IEEE 802.11n (WIFI (20MHz, MCS), 90pc duty cycle) WLAN 8.57 2.9.6 % 10609 AAB IEEE 802.11n (WIFI (20MHz, MCS), 90pc duty cycle) WLAN 8.57 2.9.6 % 10610 AAB IEEE 802.11n (WIFI (20MHz, MCS), 90pc duty cycle) WLAN 8.70 2.9.6 % 10611 AAB IEEE 802.11n (WIFI (20MHz, MCS), 90pc duty cycle) WLAN 8.70 2.9.6 % 10612 AAB IEEE 802.11n (WIFI (20MHz, MCS), 90pc duty cycle) WLAN 8.70 2.9.6 % 10613 AAB IEEE 802.11n (WIFI (20MHz, MCS), 90pc duty cycle) WLAN 8.94 2.9.6 % 10614 AAB IEEE 802.11n (WIFI (20MHz, MCS), 90pc duty cycle) WLAN 8.94 2.9.6 % 10616 AAB IEEE 802.11n (WIFI (20MHz, MCS), 90pc duty cycle) WLAN 8.92 2.9.6 % 10616 AAB IEEE 802.11n (WIFI (20MHz, MCS), 90pc duty cycle) WLAN 8.92 2.9.6 % 10616 AAB IEEE 802.11n (WIFI (40MHz, MCS), 90pc duty cycle) WLAN 8.82 2.9.6 % 10616 AAB IEEE 802.11n (WIFI (40MHz, MCS), 90pc duty cycle) WLAN 8.82 2.9.6 % 10617 AAB IEEE 802.11n (WIFI (40MHz, MCS), 90pc duty cycle) WLAN 8.82 2.9.6 % 10618 AAB IEEE 802.11n (WIFI (40MHz, MCS), 90pc duty cycle) WLAN 8.85 2.9.6 % 10619 AAB IEEE 802.11n (WIFI (40MHz, MCS), 90pc duty cycle) WLAN 8.85 2.9.6 % 10619 AAB IEEE 802.11n (WIFI (40MHz, MCS), 90pc duty cycle) WLAN 8.86 2.9.6 % 10620 AAB IEEE 802.11n (WIFI (40MHz, MCS), 90pc duty cycle) WLAN 8.86 2.9.6 % 10620 AAB IEEE 802.11n (WIFI (40MHz, MCS), 90pc duty cycle) WLAN 8.86 2.9.6 % 10620 AAB IEEE 802.11n (WIFI (40MHz, MCS), 90pc	10602	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	WLAN	8.94	± 9.6 %
19605 AAB	10603	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)	WLAN	9.03	± 9.6 %
10606	10604	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)	WLAN	8.76	± 9.6 %
10607 AAB IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle) WLAN 8.64 9.6 % 10609 AAB IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle) WLAN 8.77 4.9.6 % 10609 AAB IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle) WLAN 8.77 4.9.6 % 10610 AAB IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle) WLAN 8.78 4.9.6 % 10611 AAB IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle) WLAN 8.70 4.9.6 % 10612 AAB IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle) WLAN 8.77 4.9.6 % 10612 AAB IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle) WLAN 8.77 4.9.6 % 10613 AAB IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle) WLAN 8.94 6.9 % 10614 AAB IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle) WLAN 8.59 4.9.6 % 10615 AAB IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle) WLAN 8.59 4.9.6 % 10616 AAB IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle) WLAN 8.82 4.9.6 % 10617 AAB IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle) WLAN 8.82 4.9.6 % 10619 AAB IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle) WLAN 8.81 4.9.6 % 10619 AAB IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle) WLAN 8.58 4.9.6 % 10610 AAB IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle) WLAN 8.86 4.9.6 % 10620 AAB IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle) WLAN 8.86 4.9.6 % 10620 AAB IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle) WLAN 8.86 4.9.6 % 10620 AAB IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle) WLAN 8.86 4.9.6 % 10620 AAB IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle) WLAN 8.86 4.9.6 % 10622 AAB IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle) WLAN 8.86 4.9.6 % 10623 AAB IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle) WLAN 8.86 4.9.6 % 10625 AAB IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle) WLAN 8.86 4.9.6 % 10625 AAB IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle) WL	10605	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)	WLAN	8.97	± 9.6 %
10608 AAB IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle) WLAN 8.77 ± 9.6 % 10609 AAB IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle) WLAN 8.78 ± 9.6 % 10611 AAB IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle) WLAN 8.78 ± 9.6 % 10611 AAB IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle) WLAN 8.70 ± 9.6 % 10612 AAB IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle) WLAN 8.70 ± 9.6 % 10613 AAB IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle) WLAN 8.74 ± 9.6 % 10614 AAB IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle) WLAN 8.94 ± 9.6 % 10614 AAB IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle) WLAN 8.82 ± 9.6 % 10615 AAB IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle) WLAN 8.82 ± 9.6 % 10616 AAB IEEE 802.11ac WiFi (20MHz, MCS9, 90pc duty cycle) WLAN 8.82 ± 9.6 % 10617 AAB IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10619 AAB IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle) WLAN 8.58 ± 9.6 % 10619 AAB IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle) WLAN 8.58 ± 9.6 % 10619 AAB IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle) WLAN 8.58 ± 9.6 % 10620 AAB IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle) WLAN 8.87 ± 9.6 % 10621 AAB IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle) WLAN 8.87 ± 9.6 % 10622 AAB IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle) WLAN 8.87 ± 9.6 % 10624 AAB IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle) WLAN 8.88 ± 9.6 % 10625 AAB IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle) WLAN 8.88 ± 9.6 % 10626 AAB IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle) WLAN 8.88 ± 9.6 % 10626 AAB IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle) WLAN 8.89 ± 9.6 % 10626 AAB IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle) WLAN 8.89 ± 9.6 % 10626 AAB IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	10606	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10608	10607		IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	WLAN	8.64	± 9.6 %
10610	10608	AAB		WLAN	8.77	± 9.6 %
10611	10609	AAB		WLAN	8.57	± 9.6 %
10611	10610		IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	WLAN	8.78	± 9.6 %
10613	10611	AAB		WLAN	8.70	± 9.6 %
10614 AAB IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle) WLAN 8.59 ± 9.6 % 10616 AAB IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle) WLAN 8.82 ± 9.6 % 10617 AAB IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10617 AAB IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10618 AAB IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle) WLAN 8.58 ± 9.6 % 10619 AAB IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle) WLAN 8.86 ± 9.6 % 10620 AAB IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle) WLAN 8.87 ± 9.6 % 10621 AAB IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle) WLAN 8.87 ± 9.6 % 10621 AAB IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle) WLAN 8.67 ± 9.6 % 10622 AAB IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle) WLAN 8.68 ± 9.6 % 10623 AAB IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle) WLAN 8.68 ± 9.6 % 10624 AAB IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle) WLAN 8.82 ± 9.6 % 10625 AAB IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle) WLAN 8.96 ± 9.6 % 10626 AAB IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle) WLAN 8.96 ± 9.6 % 10626 AAB IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle) WLAN 8.96 ± 9.6 % 10626 AAB IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10627 AAB IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) WLAN 8.83 ± 9.6 % 10628 AAB IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10629 AAB IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10630 AAB IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10633 AAB IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) WLAN 8.83 ± 9.6 % 10633 AAB IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) WLAN 8.83 ± 9.6 % 10633 AAB IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)						± 9.6 %
10615 AAB IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle) WLAN 8.82	10613	AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	WLAN	8.94	± 9.6 %
10616	10614	AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	WLAN	8.59	± 9.6 %
10617	10615	AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10618	10616	AAB		WLAN	8.82	± 9.6 %
10619	10617	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10620	10618	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	WLAN	8.58	± 9.6 %
10621	10619	AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	WLAN	8.86	± 9.6 %
10622	10620	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	WLAN	8.87	± 9.6 %
10623	10621	AAB	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	WLAN	8.77	± 9.6 %
10624 AAB IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle) WLAN 8.96 ± 9.6 % 10625 AAB IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle) WLAN 8.96 ± 9.6 % 10626 AAB IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle) WLAN 8.83 ± 9.6 % 10627 AAB IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle) WLAN 8.88 ± 9.6 % 10628 AAB IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle) WLAN 8.71 ± 9.6 % 10629 AAB IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle) WLAN 8.71 ± 9.6 % 10629 AAB IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle) WLAN 8.72 ± 9.6 % 10630 AAB IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle) WLAN 8.72 ± 9.6 % 10631 AAB IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10632 AAB IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10633 AAB IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle) WLAN 8.83 ± 9.6 % 10634 AAB IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle) WLAN 8.83 ± 9.6 % 10635 AAB IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10636 AAC IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10637 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 8.83 ± 9.6 % 10639 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 8.85 ± 9.6 % 10643 AAC IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle) WLAN 8.85 ± 9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle) WLAN 8.85 ± 9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle) WLAN 8.98 ± 9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle) WLAN 8.98 ± 9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle) WLAN 8.99 ± 9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle) WLAN 9.06 ± 9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS6, 90pc dut	10622	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	WLAN	8.68	± 9.6 %
10625 AAB IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle) WLAN 8.96 ± 9.6 % 10626 AAB IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle) WLAN 8.83 ± 9.6 % 10627 AAB IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle) WLAN 8.71 ± 9.6 % 10628 AAB IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle) WLAN 8.71 ± 9.6 % 10629 AAB IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle) WLAN 8.72 ± 9.6 % 10630 AAB IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle) WLAN 8.72 ± 9.6 % 10631 AAB IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle) WLAN 8.74 ± 9.6 % 10631 AAB IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle) WLAN 8.74 ± 9.6 % 10633 AAB IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle) WLAN 8.74 ± 9.6 % 10633 AAB IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle) WLAN 8.83 ± 9.6 % 10634 AAB IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle) WLAN 8.80 ± 9.6 % 10635 AAB IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) WLAN 8.80 ± 9.6 % 10636 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 8.83 ± 9.6 % 10638 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 8.86 ± 9.6 % 10639 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 8.86 ± 9.6 % 10642 AAC IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle) WLAN 8.86 ± 9.6 % 10642 AAC IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle) WLAN 8.89 ± 9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle) WLAN 8.89 ± 9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle) WLAN 8.89 ± 9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle) WLAN 8.89 ± 9.6 % 10646 AAF LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ± 9.6 % 10647 AAF LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ± 9.6 % 10648 AAA LTE-TDD (OFDMA, 5 MHz, E-T	10623	AAB		WLAN	8.82	± 9.6 %
10626	10624	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	WLAN	8.96	± 9.6 %
10627	10625	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	WLAN	8.96	± 9.6 %
10628	10626	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10629		AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	WLAN	8.88	± 9.6 %
10630	10628		IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	WLAN	8.71	± 9.6 %
10631	10629	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	WLAN	8.85	± 9.6 %
10632 AAB IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle) WLAN 8.74 ± 9.6 % 10633 AAB IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle) WLAN 8.83 ± 9.6 % 10634 AAB IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle) WLAN 8.80 ± 9.6 % 10635 AAB IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10636 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10637 AAC IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle) WLAN 8.79 ± 9.6 % 10638 AAC IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle) WLAN 8.86 ± 9.6 % 10639 AAC IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle) WLAN 8.86 ± 9.6 % 10640 AAC IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle) WLAN 8.98 ± 9.6 % 10641 AAC IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle) WLAN 8.98 ± 9.6 % 10642 AAC IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle) WLAN 9.06 ± 9.6 % 10643 AAC IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle) WLAN 9.06 ± 9.6 % 10643 AAC IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle) WLAN 9.06 ± 9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle) WLAN 9.06 ± 9.6 % 10645 AAC IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle) WLAN 9.05 ± 9.6 % 10646 AAF LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ± 9.6 % 10648 AAA CDMA2000 (1x Advanced) CDMA2000 3.45 ± 9.6 % 10653 AAD LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 17.42 ± 9.6 % 10653 AAD LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 17.42 ± 9.6 % 10653 AAD LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 17.42 ± 9.6 % 10653 AAD LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-TDD LTE-TDD 17.42 ± 9.6 % 10653 AAD LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-TDD LTE-TDD LTE-TDD 17.42 ± 9.6 % 10653 AAD LTE-TDD (OFDMA, 5 M		AAB		WLAN	8.72	
10632 AAB IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle) WLAN 8.74 ± 9.6 % 10633 AAB IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle) WLAN 8.83 ± 9.6 % 10634 AAB IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle) WLAN 8.80 ± 9.6 % 10635 AAB IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10636 AAC IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle) WLAN 8.83 ± 9.6 % 10637 AAC IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle) WLAN 8.79 ± 9.6 % 10638 AAC IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle) WLAN 8.86 ± 9.6 % 10639 AAC IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle) WLAN 8.85 ± 9.6 % 10640 AAC IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle) WLAN 8.98 ± 9.6 % 10641 AAC IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle) WLAN 8.98 ± 9.6 % 10642 AAC IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle) WLAN 9.06 ± 9.6 % 10643 AAC IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle) WLAN 9.06 ± 9.6 % 10643 AAC IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle) WLAN 9.06 ± 9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle) WLAN 9.06 ± 9.6 % 10645 AAC IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle) WLAN 9.05 ± 9.6 % 10646 AAF LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ± 9.6 % 10648 AAA CDMA2000 (1x Advanced) CDMA2000 3.45 ± 9.6 % 10653 AAD LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 6.91 ± 9.6 % 10653 AAD LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 7.42 ± 9.6 % 10653 AAD LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 17.42 ± 9.6 % 10653 AAD LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-TDD LTE-TDD 17.42 ± 9.6 % 10653 AAD LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-TDD LTE-TDD 17.42 ± 9.6 % 10653 AAD LTE-TDD (OFDMA, 5 MHz, E-TM 3.1	10631	AAB	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10634 AAB IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle) WLAN 8.80 ± 9.6 % 10635 AAB IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle) WLAN 8.81 ± 9.6 % 10636 AAC IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle) WLAN 8.83 ± 9.6 % 10637 AAC IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle) WLAN 8.79 ± 9.6 % 10638 AAC IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle) WLAN 8.86 ± 9.6 % 10639 AAC IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle) WLAN 8.85 ± 9.6 % 10640 AAC IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle) WLAN 8.98 ± 9.6 % 10641 AAC IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle) WLAN 9.06 ± 9.6 % 10642 AAC IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle) WLAN 9.06 ± 9.6 % 10642 AAC IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle) WLAN 9.06 ± 9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle) WLAN 8.89 ± 9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle) WLAN 9.05 ± 9.6 % 10645 AAC IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle) WLAN 9.05 ± 9.6 % 10645 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 9.05 ± 9.6 % 10646 AAF LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ± 9.6 % 10648 AAA CDMA2000 (1x Advanced) CDMA2000 3.45 ± 9.6 % 10652 AAD LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 6.91 ± 9.6 % 10653 AAD LTE-TDD (OFDMA, 1 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 7.42 ± 9.6 % 10653 AAD LTE-TDD (OFDMA, 1 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 17.42 ± 9.6 % 10653 AAD LTE-TDD (OFDMA, 1 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 17.42 ± 9.6 % 10653 AAD LTE-TDD (OFDMA, 1 MHz, E-TM 3.1, Clipping 44%) LTE-TDD LTE-TDD 17.42 ± 9.6 % 10653 AAD LTE-TDD (OFDMA, 1 MHz, E-TM 3.1, Clipping 44%) LTE-TDD LTE-TDD 17.42 ± 9.6 % 10653 AAD LTE-TDD (OFDMA, 1 MHz, E-TM 3			IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10635						± 9.6 %
10636 AAC IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle) WLAN 8.83 ± 9.6 % 10637 AAC IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle) WLAN 8.79 ± 9.6 % 10638 AAC IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle) WLAN 8.86 ± 9.6 % 10639 AAC IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle) WLAN 8.85 ± 9.6 % 10640 AAC IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle) WLAN 8.98 ± 9.6 % 10641 AAC IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle) WLAN 9.06 ± 9.6 % 10642 AAC IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle) WLAN 9.06 ± 9.6 % 10643 AAC IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle) WLAN 9.05 ± 9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 9.05 ± 9.6 % 10645 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 9.05 ± 9.6 % 10646				WLAN	8.80	± 9.6 %
10637 AAC IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle) WLAN 8.79 ± 9.6 % 10638 AAC IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle) WLAN 8.86 ± 9.6 % 10639 AAC IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle) WLAN 8.85 ± 9.6 % 10640 AAC IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle) WLAN 8.98 ± 9.6 % 10641 AAC IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle) WLAN 9.06 ± 9.6 % 10642 AAC IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle) WLAN 9.06 ± 9.6 % 10643 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 9.05 ± 9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 9.05 ± 9.6 % 10645 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 9.05 ± 9.6 % 10646 AAF LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ± 9.6 % 10647				WLAN	8.81	± 9.6 %
10638 AAC IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle) WLAN 8.86 ± 9.6 % 10639 AAC IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle) WLAN 8.85 ± 9.6 % 10640 AAC IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle) WLAN 8.98 ± 9.6 % 10641 AAC IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle) WLAN 9.06 ± 9.6 % 10642 AAC IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle) WLAN 9.06 ± 9.6 % 10643 AAC IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle) WLAN 8.89 ± 9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 9.05 ± 9.6 % 10645 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 9.01 ± 9.6 % 10646 AAF LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ± 9.6 % 10647 AAF LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ± 9.6 % 10648 <td>10636</td> <td></td> <td>IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)</td> <td>WLAN</td> <td>8.83</td> <td>± 9.6 %</td>	10636		IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10639 AAC IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle) WLAN 8.85 ± 9.6 % 10640 AAC IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle) WLAN 8.98 ± 9.6 % 10641 AAC IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle) WLAN 9.06 ± 9.6 % 10642 AAC IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle) WLAN 9.06 ± 9.6 % 10643 AAC IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle) WLAN 8.89 ± 9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 9.05 ± 9.6 % 10645 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 9.01 ± 9.6 % 10645 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 9.01 ± 9.6 % 10645 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 9.01 ± 9.6 % 10646 AAF LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ± 9.6 % 10647		AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10640 AAC IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle) WLAN 8.98 ± 9.6 % 10641 AAC IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle) WLAN 9.06 ± 9.6 % 10642 AAC IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle) WLAN 9.06 ± 9.6 % 10643 AAC IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle) WLAN 9.05 ± 9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 9.05 ± 9.6 % 10645 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 9.11 ± 9.6 % 10646 AAF LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ± 9.6 % 10647 AAF LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ± 9.6 % 10648 AAA CDMA2000 (1x Advanced) CDMA2000 3.45 ± 9.6 % 10652 AAD LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 6.91 ± 9.6 % 10653 AAD				WLAN	8.86	± 9.6 %
10640 AAC IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle) WLAN 8.98 ± 9.6 % 10641 AAC IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle) WLAN 9.06 ± 9.6 % 10642 AAC IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle) WLAN 9.06 ± 9.6 % 10643 AAC IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle) WLAN 9.05 ± 9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 9.05 ± 9.6 % 10645 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 9.11 ± 9.6 % 10646 AAF LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ± 9.6 % 10647 AAF LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ± 9.6 % 10648 AAA CDMA2000 (1x Advanced) CDMA2000 3.45 ± 9.6 % 10652 AAD LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 6.91 ± 9.6 % 10653 AAD			IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	WLAN	8.85	± 9.6 %
10641 AAC IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle) WLAN 9.06 ± 9.6 % 10642 AAC IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle) WLAN 9.06 ± 9.6 % 10643 AAC IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle) WLAN 8.89 ± 9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle) WLAN 9.05 ± 9.6 % 10645 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 9.11 ± 9.6 % 10646 AAF LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ± 9.6 % 10647 AAF LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ± 9.6 % 10648 AAA CDMA2000 (1x Advanced) CDMA2000 3.45 ± 9.6 % 10653 AAD LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 7.42 ± 9.6 % 10653 AAD LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 7.42 ± 9.6 %				WLAN	8.98	± 9.6 %
10643 AAC IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle) WLAN 8.89 ± 9.6 % 10644 AAC IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle) WLAN 9.05 ± 9.6 % 10645 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 9.11 ± 9.6 % 10646 AAF LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ± 9.6 % 10647 AAF LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ± 9.6 % 10648 AAA CDMA2000 (1x Advanced) CDMA2000 3.45 ± 9.6 % 10652 AAD LTE-TDD (OFDMA, 1 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 6.91 ± 9.6 % 10653 AAD LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 7.42 ± 9.6 %			IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	WLAN		± 9.6 %
10644 AAC IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle) WLAN 9.05 ± 9.6 % 10645 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 9.11 ± 9.6 % 10646 AAF LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ± 9.6 % 10647 AAF LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ± 9.6 % 10648 AAA CDMA2000 (1x Advanced) CDMA2000 3.45 ± 9.6 % 10652 AAD LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 6.91 ± 9.6 % 10653 AAD LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 7.42 ± 9.6 %				WLAN	9.06	± 9.6 %
10644 AAC IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle) WLAN 9.05 ± 9.6 % 10645 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 9.11 ± 9.6 % 10646 AAF LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ± 9.6 % 10647 AAF LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ± 9.6 % 10648 AAA CDMA2000 (1x Advanced) CDMA2000 3.45 ± 9.6 % 10652 AAD LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 6.91 ± 9.6 % 10653 AAD LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 7.42 ± 9.6 %			IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	WLAN	8.89	± 9.6 %
10645 AAC IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle) WLAN 9.11 ± 9.6 % 10646 AAF LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ± 9.6 % 10647 AAF LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ± 9.6 % 10648 AAA CDMA2000 (1x Advanced) CDMA2000 3.45 ± 9.6 % 10652 AAD LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 6.91 ± 9.6 % 10653 AAD LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 7.42 ± 9.6 %			IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	WLAN	9.05	± 9.6 %
10646 AAF LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ± 9.6 % 10647 AAF LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7) LTE-TDD 11.96 ± 9.6 % 10648 AAA CDMA2000 (1x Advanced) CDMA2000 3.45 ± 9.6 % 10652 AAD LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 6.91 ± 9.6 % 10653 AAD LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 7.42 ± 9.6 %			IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	WLAN	9.11	± 9.6 %
10648 AAA CDMA2000 (1x Advanced) CDMA2000 3.45 ± 9.6 % 10652 AAD LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 6.91 ± 9.6 % 10653 AAD LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 7.42 ± 9.6 %				LTE-TDD	11.96	± 9.6 %
10648 AAA CDMA2000 (1x Advanced) CDMA2000 3.45 ± 9.6 % 10652 AAD LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 6.91 ± 9.6 % 10653 AAD LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 7.42 ± 9.6 %	10647		LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	± 9.6 %
10652 AAD LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 6.91 ± 9.6 % 10653 AAD LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 7.42 ± 9.6 %			CDMA2000 (1x Advanced)			± 9.6 %
10653 AAD LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 7.42 ± 9.6 %	10652	AAD	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	± 9.6 %
					7.42	± 9.6 %
	10654	AAD	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	± 9.6 %

Certificate No: EX3-3617_Jan19

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EX3DV4-SN:3617

January 31, 2019

10655	AAE	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	± 9.6 %
10658	AAA	Pulse Waveform (200Hz, 10%)	Test	10.00	± 9.6 %
10659	AAA	Pulse Waveform (200Hz, 20%)	Test	6.99	± 9.6 %
10660	AAA	Pulse Waveform (200Hz, 40%)	Test	3.98	± 9.6 %
10661	AAA	Pulse Waveform (200Hz, 60%)	Test	2.22	± 9.6 %
10662	AAA	Pulse Waveform (200Hz, 80%)	Test	0.97	± 9.6 %
10670	AAA	Bluetooth Low Energy	Bluetooth	2.19	± 9.6 %

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

Certificate No: EX3-3617_Jan19

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ANNEX H Dipole Calibration Certificate

750 MHz Dipole Calibration Certificate

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





Schweizerischer Kalibrierdienst
Service suisse d'étalonnage
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

CTTL (Auden)

Certificate No: D750V3-1017_Jul19

Object	D750V3 - SN:101	7	
calibration procedure(s)	QA CAL-05.v11 Calibration Proce	dure for SAR Validation Sources	between 0.7-3 GHz
Calibration date:	July 18, 2019		
	ed in the closed laborator	robability are given on the following pages an ry facility: environment temperature (22 \pm 3)°C	
	ID#	Cal Date (Certificate No.)	Scheduled Calibration
rimary Standards	ID # SN: 104778	Cal Date (Certificate No.) 03-Apr-19 (No. 217-02892/02893)	Scheduled Calibration Apr-20
rimary Standards ower meter NRP	1		
Primary Standards Power meter NRP Power sensor NRP-Z91	SN: 104778	03-Apr-19 (No. 217-02892/02893)	Apr-20
Primary Standards Power meter NRP Power sensor NRP-Z91 Power sensor NRP-Z91	SN: 104778 SN: 103244	03-Apr-19 (No. 217-02892/02893) 03-Apr-19 (No. 217-02892)	Apr-20 Apr-20
Primary Standards Power meter NRP Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator	SN: 104778 SN: 103244 SN: 103245	03-Apr-19 (No. 217-02892/02893) 03-Apr-19 (No. 217-02892) 03-Apr-19 (No. 217-02893)	Apr-20 Apr-20 Apr-20
Primary Standards Power meter NRP Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination	SN: 104778 SN: 103244 SN: 103245 SN: 5058 (20k)	03-Apr-19 (No. 217-02892/02893) 03-Apr-19 (No. 217-02892) 03-Apr-19 (No. 217-02893) 04-Apr-19 (No. 217-02894)	Apr-20 Apr-20 Apr-20 Apr-20
Primary Standards Power meter NRP Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Reference Probe EX3DV4	SN: 104778 SN: 103244 SN: 103245 SN: 5058 (20k) SN: 5047.2 / 06327	03-Apr-19 (No. 217-02892/02893) 03-Apr-19 (No. 217-02892) 03-Apr-19 (No. 217-02893) 04-Apr-19 (No. 217-02894) 04-Apr-19 (No. 217-02895)	Apr-20 Apr-20 Apr-20 Apr-20 Apr-20
Primary Standards Power meter NRP Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Reference Probe EX3DV4 DAE4	SN: 104778 SN: 103244 SN: 103245 SN: 5058 (20k) SN: 5047.2 / 06327 SN: 7349	03-Apr-19 (No. 217-02892/02893) 03-Apr-19 (No. 217-02892) 03-Apr-19 (No. 217-02893) 04-Apr-19 (No. 217-02894) 04-Apr-19 (No. 217-02895) 29-May-19 (No. EX3-7349_May19)	Apr-20 Apr-20 Apr-20 Apr-20 Apr-20 May-20
Primary Standards Power meter NRP Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Reference Probe EX3DV4 DAE4 Secondary Standards	SN: 104778 SN: 103244 SN: 103245 SN: 5058 (20k) SN: 5047.2 / 06327 SN: 7349 SN: 601	03-Apr-19 (No. 217-02892/02893) 03-Apr-19 (No. 217-02892) 03-Apr-19 (No. 217-02893) 04-Apr-19 (No. 217-02894) 04-Apr-19 (No. 217-02895) 29-May-19 (No. EX3-7349_May19) 30-Apr-19 (No. DAE4-601_Apr19)	Apr-20 Apr-20 Apr-20 Apr-20 Apr-20 May-20 Apr-20
Primary Standards Power meter NRP Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Reference Probe EX3DV4 DAE4 Recondary Standards Power meter E4419B	SN: 104778 SN: 103244 SN: 103245 SN: 5058 (20k) SN: 5047.2 / 06327 SN: 7349 SN: 601	03-Apr-19 (No. 217-02892/02893) 03-Apr-19 (No. 217-02892) 03-Apr-19 (No. 217-02893) 04-Apr-19 (No. 217-02894) 04-Apr-19 (No. 217-02895) 29-May-19 (No. EX3-7349_May19) 30-Apr-19 (No. DAE4-601_Apr19) Check Date (in house)	Apr-20 Apr-20 Apr-20 Apr-20 Apr-20 Apr-20 May-20 Apr-20 Scheduled Check In house check: Oct-20
Primary Standards Power meter NRP Power sensor NRP-Z91 Power sensor NRP-Z91 Paference 20 dB Attenuator Type-N mismatch combination Reference Probe EX3DV4 DAE4 Secondary Standards Power meter E4419B Power sensor HP 8481A	SN: 104778 SN: 103244 SN: 103245 SN: 5058 (20k) SN: 5047.2 / 06327 SN: 7349 SN: 601	03-Apr-19 (No. 217-02892/02893) 03-Apr-19 (No. 217-02892) 03-Apr-19 (No. 217-02893) 04-Apr-19 (No. 217-02894) 04-Apr-19 (No. 217-02894) 04-Apr-19 (No. EX3-7349_May19) 30-Apr-19 (No. DAE4-601_Apr19) Check Date (in house)	Apr-20 Apr-20 Apr-20 Apr-20 Apr-20 Apr-20 May-20 Apr-20 Scheduled Check In house check: Oct-20 In house check: Oct-20
Primary Standards Power meter NRP Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Reference Probe EX3DV4 DAE4 Secondary Standards Power meter E4419B Power sensor HP 8481A	SN: 104778 SN: 103244 SN: 103245 SN: 5058 (20k) SN: 5047.2 / 06327 SN: 7349 SN: 601 ID # SN: GB39512475 SN: US37292783	03-Apr-19 (No. 217-02892/02893) 03-Apr-19 (No. 217-02892) 03-Apr-19 (No. 217-02893) 04-Apr-19 (No. 217-02894) 04-Apr-19 (No. 217-02894) 04-Apr-19 (No. EX3-7349_May19) 30-Apr-19 (No. DAE4-601_Apr19) Check Date (in house)	Apr-20 Apr-20 Apr-20 Apr-20 Apr-20 May-20 Apr-20 Scheduled Check
Primary Standards Power meter NRP Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Prype-N mismatch combination Reference Probe EX3DV4 DAE4 Recondary Standards Power meter E4419B Power sensor HP 8481A Recover sensor HP 8481A	SN: 104778 SN: 103244 SN: 103245 SN: 5058 (20k) SN: 5047.2 / 06327 SN: 7349 SN: 601 ID # SN: GB39512475 SN: US37292783 SN: MY41092317 SN: 100972	03-Apr-19 (No. 217-02892/02893) 03-Apr-19 (No. 217-02892) 03-Apr-19 (No. 217-02893) 04-Apr-19 (No. 217-02894) 04-Apr-19 (No. 217-02895) 29-May-19 (No. EX3-7349_May19) 30-Apr-19 (No. DAE4-601_Apr19) Check Date (in house) 30-Oct-14 (in house check Feb-19) 07-Oct-15 (in house check Oct-18)	Apr-20 Apr-20 Apr-20 Apr-20 Apr-20 Apr-20 May-20 Apr-20 Scheduled Check In house check: Oct-20 In house check: Oct-20
Primary Standards Power meter NRP Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Reference Probe EX3DV4	SN: 104778 SN: 103244 SN: 103245 SN: 5058 (20k) SN: 5047.2 / 06327 SN: 7349 SN: 601 ID # SN: GB39512475 SN: US37292783 SN: WY41092317 SN: 100972 SN: US41080477	03-Apr-19 (No. 217-02892/02893) 03-Apr-19 (No. 217-02892) 03-Apr-19 (No. 217-02893) 04-Apr-19 (No. 217-02894) 04-Apr-19 (No. 217-02895) 29-May-19 (No. EX3-7349_May19) 30-Apr-19 (No. DAE4-601_Apr19) Check Date (in house) 30-Oct-14 (in house check Peb-19) 07-Oct-15 (in house check Oct-18) 15-Jun-15 (in house check Oct-18) 31-Mar-14 (in house check Oct-18)	Apr-20 Apr-20 Apr-20 Apr-20 Apr-20 May-20 Apr-20 Scheduled Check In house check: Oct-20 In house check: Oct-20 In house check: Oct-20 In house check: Oct-19
Primary Standards Power meter NRP Power sensor NRP-Z91 Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Reference Probe EX3DV4 DAE4 Secondary Standards Power meter E4419B Power sensor HP 8481A Power sensor HP 8481A RF generator R&S SMT-06 Network Analyzer Agilent E8358A	SN: 104778 SN: 103244 SN: 103245 SN: 5058 (20k) SN: 5047.2 / 06327 SN: 7349 SN: 601 ID # SN: GB39512475 SN: US37292783 SN: MY41092317 SN: 100972	03-Apr-19 (No. 217-02892/02893) 03-Apr-19 (No. 217-02892) 03-Apr-19 (No. 217-02893) 04-Apr-19 (No. 217-02894) 04-Apr-19 (No. 217-02895) 29-May-19 (No. EX3-7349_May19) 30-Apr-19 (No. DAE4-601_Apr19) Check Date (in house) 30-Oct-14 (in house check Feb-19) 07-Oct-15 (in house check Oct-18) 15-Jun-15 (in house check Oct-18)	Apr-20 Apr-20 Apr-20 Apr-20 Apr-20 Apr-20 May-20 Apr-20 Scheduled Check In house check: Oct-20 In house check: Oct-20 In house check: Oct-20 In house check: Oct-20
Primary Standards Power meter NRP Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Reference Probe EX3DV4 DAE4 Secondary Standards Power meter E4419B Power sensor HP 8481A RF generator R&S SMT-06	SN: 104778 SN: 103244 SN: 103245 SN: 5058 (20k) SN: 5047.2 / 06327 SN: 7349 SN: 601 ID # SN: GB39512475 SN: US37292783 SN: MY41092317 SN: 100972 SN: US41080477 Name	03-Apr-19 (No. 217-02892/02893) 03-Apr-19 (No. 217-02892) 03-Apr-19 (No. 217-02893) 04-Apr-19 (No. 217-02894) 04-Apr-19 (No. 217-02894) 04-Apr-19 (No. EX3-7349_May19) 30-Apr-19 (No. DAE4-601_Apr19) Check Date (in house) 30-Oct-14 (in house check Feb-19) 07-Oct-15 (in house check Oct-18) 15-Jun-15 (in house check Oct-18) 31-Mar-14 (in house check Oct-18)	Apr-20 Apr-20 Apr-20 Apr-20 Apr-20 May-20 Apr-20 Scheduled Check In house check: Oct-20 In house check: Oct-20 In house check: Oct-20 In house check: Oct-20

Certificate No: D750V3-1017_Jul19

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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
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

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%.

Certificate No: D750V3-1017_Jul19

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Measurement Conditions

configuration, as far as not given on page 1

DASY Version	DASY5	V52.10.2
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom	
Distance Dipole Center - TSL	15 mm	with Spacer
Zoom Scan Resolution	dx, dy , $dz = 5 mm$	
Frequency	750 MHz ± 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	41.9	0.89 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	42.2 ± 6 %	0.89 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	2.14 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	8.57 W/kg ± 17.0 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR measured	250 mW input power	1.39 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	5.57 W/kg ± 16.5 % (k=2)

Body TSL parameters

	Temperature	Permittivity	Conductivity
Nominal Body TSL parameters	22.0 °C	55.5	0.96 mho/m
Measured Body TSL parameters	(22.0 ± 0.2) °C	55.1 ± 6 %	0.96 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	2.14 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	8.55 W/kg ± 17.0 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Body TSL	condition	
SAR measured	250 mW input power	1.41 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	5.63 W/kg ± 16.5 % (k=2)

Certificate No: D750V3-1017_Jul19

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Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	53.1 Ω - 1.3 jΩ
Return Loss	- 29.6 dB

Antenna Parameters with Body TSL

Impedance, transformed to feed point	48.9 Ω - 4.3 jΩ	
Return Loss	- 27.0 dB	

General Antenna Parameters and Design

Electrical Delay (one direction)	1.041 ns
Electrical Delay (one direction)	115 0.0 (929)

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

Certificate No: D750V3-1017_Jul19

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DASY5 Validation Report for Head TSL

Date: 18.07.2019

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 750 MHz; Type: D750V3; Serial: D750V3 - SN:1017

Communication System: UID 0 - CW; Frequency: 750 MHz

Medium parameters used: f = 750 MHz; $\sigma = 0.89$ S/m; $\varepsilon_r = 42.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY52 Configuration:

Probe: EX3DV4 - SN7349; ConvF(10.07, 10.07, 10.07) @ 750 MHz; Calibrated: 29.05.2019

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

• Electronics: DAE4 Sn601; Calibrated: 30.04.2019

• Phantom: Flat Phantom 4.9 (front); Type: QD 00L P49 AA; Serial: 1001

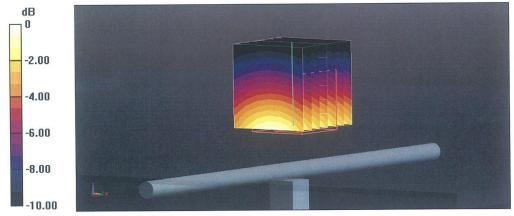
• DASY52 52.10.2(1504); SEMCAD X 14.6.12(7470)

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

Measurement grid: dx=5mm, dy=5mm, dz=5mm Reference Value = 59.72 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 3.21 W/kg

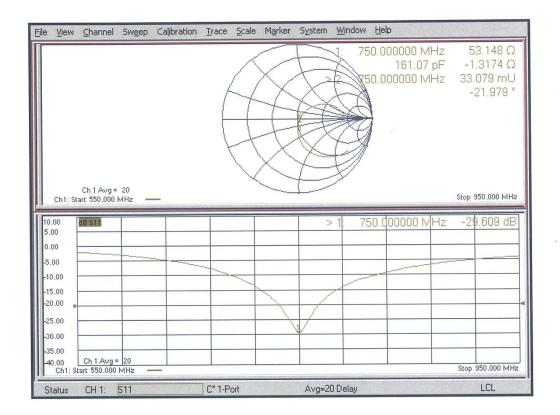
SAR(1 g) = 2.14 W/kg; SAR(10 g) = 1.39 W/kgMaximum value of SAR (measured) = 2.84 W/kg



0 dB = 2.84 W/kg = 4.53 dBW/kg



Impedance Measurement Plot for Head TSL





DASY5 Validation Report for Body TSL

Date: 18.07.2019

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 750 MHz; Type: D750V3; Serial: D750V3 - SN:1017

Communication System: UID 0 - CW; Frequency: 750 MHz

Medium parameters used: f = 750 MHz; $\sigma = 0.96$ S/m; $\epsilon_r = 55.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY52 Configuration:

Probe: EX3DV4 - SN7349; ConvF(10.4, 10.4, 10.4) @ 750 MHz; Calibrated: 29.05.2019

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

• Electronics: DAE4 Sn601; Calibrated: 30.04.2019

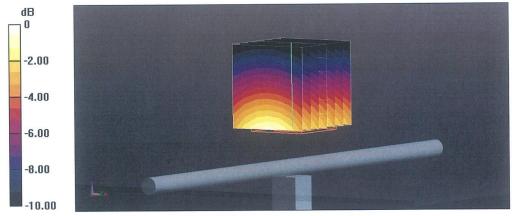
• Phantom: Flat Phantom 4.9 (Back); Type: QD 00R P49 AA; Serial: 1005

• DASY52 52.10.2(1504); SEMCAD X 14.6.12(7470)

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

Measurement grid: dx=5mm, dy=5mm, dz=5mm Reference Value = 55.74 V/m; Power Drift = -0.02 dB Peak SAR (extrapolated) = 3.18 W/kg

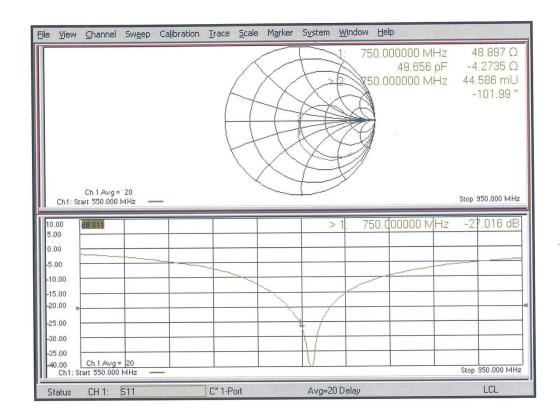
SAR(1 g) = 2.14 W/kg; SAR(10 g) = 1.41 W/kgMaximum value of SAR (measured) = 2.84 W/kg



0 dB = 2.84 W/kg = 4.53 dBW/kg



Impedance Measurement Plot for Body TSL







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





S Schweizerischer Kalibrierdienst
Service suisse d'étalonnage
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

Client

CTTL (Auden)

Certificate No: D835V2-4d069_Jul19

bject	D835V2 - SN:4d069		
	QA CAL-05.v11 Calibration Procedure for SAR Validation Sources between 0.7-3 GHz		
Calibration date:	July 18, 2019		
The measurements and the uncerta	uinties with confidence p	onal standards, which realize the physical uni robability are given on the following pages and ry facility: environment temperature $(22\pm3)^{\circ}$ C	d are part of the certificate.
Primary Standards	ID#	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	03-Apr-19 (No. 217-02892/02893)	Apr-20
Power sensor NRP-Z91	SN: 103244	03-Apr-19 (No. 217-02892)	Apr-20
Power sensor NRP-Z91	SN: 103245	03-Apr-19 (No. 217-02893)	Apr-20
Reference 20 dB Attenuator	SN: 5058 (20k)	04-Apr-19 (No. 217-02894)	Apr-20
	SN: 5047.2 / 06327	04-Apr-19 (No. 217-02895)	Apr-20
Type-N mismatch combination	1000 N 100 N 100	29-May-19 (No. EX3-7349_May19)	May-20
10 * 1 to 10	SN: 7349		
Reference Probe EX3DV4	SN: 7349 SN: 601	30-Apr-19 (No. DAE4-601_Apr19)	Apr-20
Reference Probe EX3DV4 DAE4			Apr-20 Scheduled Check
Reference Probe EX3DV4 DAE4 Secondary Standards	SN: 601	30-Apr-19 (No. DAE4-601_Apr19)	
Reference Probe EX3DV4 DAE4 Secondary Standards Power meter E4419B	SN: 601	30-Apr-19 (No. DAE4-601_Apr19) Check Date (in house)	Scheduled Check
Reference Probe EX3DV4 DAE4 Secondary Standards Power meter E4419B Power sensor HP 8481A	SN: 601 ID # SN: GB39512475	30-Apr-19 (No. DAE4-601_Apr19) Check Date (in house) 30-Oct-14 (in house check Feb-19)	Scheduled Check In house check: Oct-20
Reference Probe EX3DV4 DAE4 Secondary Standards Power meter E4419B Power sensor HP 8481A Power sensor HP 8481A	SN: 601 ID # SN: GB39512475 SN: US37292783	30-Apr-19 (No. DAE4-601_Apr19) Check Date (in house) 30-Oct-14 (in house check Feb-19) 07-Oct-15 (in house check Oct-18)	Scheduled Check In house check: Oct-20 In house check: Oct-20
Reference Probe EX3DV4 DAE4 Secondary Standards Power meter E4419B Power sensor HP 8481A Power sensor HP 8481A RF generator R&S SMT-06	SN: 601 ID # SN: GB39512475 SN: US37292783 SN: MY41092317	30-Apr-19 (No. DAE4-601_Apr19) Check Date (in house) 30-Oct-14 (in house check Feb-19) 07-Oct-15 (in house check Oct-18) 07-Oct-15 (in house check Oct-18)	Scheduled Check In house check: Oct-20 In house check: Oct-20 In house check: Oct-20
Reference Probe EX3DV4 DAE4 Secondary Standards Power meter E4419B Power sensor HP 8481A Power sensor HP 8481A RF generator R&S SMT-06	ID # SN: GB39512475 SN: US37292783 SN: MY41092317 SN: 100972	30-Apr-19 (No. DAE4-601_Apr19) Check Date (in house) 30-Oct-14 (in house check Feb-19) 07-Oct-15 (in house check Oct-18) 15-Jun-15 (in house check Oct-18)	Scheduled Check In house check: Oct-20 In house check: Oct-20 In house check: Oct-20 In house check: Oct-20
Reference Probe EX3DV4 DAE4 Secondary Standards Power meter E4419B Power sensor HP 8481A Power sensor HP 8481A RF generator R&S SMT-06 Network Analyzer Agilent E8358A	ID # SN: GB39512475 SN: US37292783 SN: MY41092317 SN: 100972 SN: US41080477 Name	30-Apr-19 (No. DAE4-601_Apr19) Check Date (in house) 30-Oct-14 (in house check Feb-19) 07-Oct-15 (in house check Oct-18) 15-Jun-15 (in house check Oct-18) 31-Mar-14 (in house check Oct-18)	Scheduled Check In house check: Oct-20 In house check: Oct-20 In house check: Oct-20 In house check: Oct-20 In house check: Oct-19
Reference Probe EX3DV4 DAE4 Secondary Standards Power meter E4419B Power sensor HP 8481A Power sensor HP 8481A RF generator R&S SMT-06 Network Analyzer Agilent E8358A	ID # SN: GB39512475 SN: US37292783 SN: MY41092317 SN: 100972 SN: US41080477	30-Apr-19 (No. DAE4-601_Apr19) Check Date (in house) 30-Oct-14 (in house check Feb-19) 07-Oct-15 (in house check Oct-18) 15-Jun-15 (in house check Oct-18) 31-Mar-14 (in house check Oct-18)	Scheduled Check In house check: Oct-20 In house check: Oct-20 In house check: Oct-20 In house check: Oct-20 In house check: Oct-19
Type-N mismatch combination Reference Probe EX3DV4 DAE4 Secondary Standards Power meter E4419B Power sensor HP 8481A Power sensor HP 8481A RF generator R&S SMT-06 Network Analyzer Agilent E8358A Calibrated by: Approved by:	ID # SN: GB39512475 SN: US37292783 SN: MY41092317 SN: 100972 SN: US41080477 Name	30-Apr-19 (No. DAE4-601_Apr19) Check Date (in house) 30-Oct-14 (in house check Feb-19) 07-Oct-15 (in house check Oct-18) 15-Jun-15 (in house check Oct-18) 31-Mar-14 (in house check Oct-18)	Scheduled Check In house check: Oct-20 In house check: Oct-20 In house check: Oct-20 In house check: Oct-20 In house check: Oct-19

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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

S 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

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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