

Appendix H. SAR Test Result

SAR Results for Body Exposure Condition.

Note:

1. SAR testing for WLAN was performed on the maximum power mode.

Module SAR Test Result

System & Position						DUT & Accessory	SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	Ant Status	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaled SAR-1g (W/kg)
	WLAN2.4G	802.11b	Front Face	8	6	Ant 0	100.00	1.00	15.00	14.96	1.01	0.05	0.117	0.12
	WLAN2.4G	802.11b	Rear Face	8	6	Ant 0	100.00	1.00	15.00	14.96	1.01	-0.06	0.081	0.08
	WLAN2.4G	802.11b	Left Side	8	6	Ant 0	100.00	1.00	15.00	14.96	1.01	0.17	0.128	0.13
	WLAN2.4G	802.11b	Right Side	8	6	Ant 0	100.00	1.00	15.00	14.96	1.01	-0.04	0.17	0.17
	WLAN2.4G	802.11b	Top Side	8	6	Ant 0	100.00	1.00	15.00	14.96	1.01	-0.01	0.233	0.24
	WLAN2.4G	802.11b	Bottom Side	8	6	Ant 0	100.00	1.00	15.00	14.96	1.01	-0.07	0.248	0.25
	WLAN2.4G	802.11b	Front Face	8	6	Ant 1	100.00	1.00	15.00	14.99	1.00	-0.12	0.138	0.14
	WLAN2.4G	802.11b	Rear Face	8	6	Ant 1	100.00	1.00	15.00	14.99	1.00	0.1	0.129	0.13
	WLAN2.4G	802.11b	Left Side	8	6	Ant 1	100.00	1.00	15.00	14.99	1.00	-0.02	0.202	0.20
	WLAN2.4G	802.11b	Right Side	8	6	Ant 1	100.00	1.00	15.00	14.99	1.00	-0.11	0.2	0.20
	WLAN2.4G	802.11b	Top Side	8	6	Ant 1	100.00	1.00	15.00	14.99	1.00	0.06	0.308	0.31
1	WLAN2.4G	802.11b	Bottom Side	8	6	Ant 1	100.00	1.00	15.00	14.99	1.00	-0.13	0.343	0.34
	WLAN2.4G	802.11b	Front Face	8	6	Ant 0+1	100.00	1.00	18.00	17.97	1.01	-0.14	0.095	0.10
	WLAN2.4G	802.11b	Rear Face	8	6	Ant 0+1	100.00	1.00	18.00	17.97	1.01	-0.04	0.077	0.08
	WLAN2.4G	802.11b	Left Side	8	6	Ant 0+1	100.00	1.00	18.00	17.97	1.01	-0.18	0.125	0.13
	WLAN2.4G	802.11b	Right Side	8	6	Ant 0+1	100.00	1.00	18.00	17.97	1.01	0.04	0.146	0.15
	WLAN2.4G	802.11b	Top Side	8	6	Ant 0+1	100.00	1.00	18.00	17.97	1.01	-0.19	0.187	0.19
	WLAN2.4G	802.11b	Bottom Side	8	6	Ant 0+1	100.00	1.00	18.00	17.97	1.01	0.1	0.298	0.30
	WLAN2.4G	802.11b	Bottom Side	8	1	Ant 1	100.00	1.00	15.00	14.97	1.01	-0.01	0.322	0.33
	WLAN2.4G	802.11b	Bottom Side	8	11	Ant 1	100.00	1.00	15.00	14.98	1.00	-0.05	0.326	0.33
	WLAN2.4G	802.11b	Bottom Side	8	12	Ant 1	100.00	1.00	15.00	14.96	1.01	0.11	0.324	0.33
	WLAN2.4G	802.11b	Bottom Side	8	13	Ant 1	100.00	1.00	15.00	14.95	1.01	-0.01	0.32	0.32
	WLAN5.3G	802.11ac VHT160	Front Face	8	50	Ant 0	100.00	1.00	14.00	13.97	1.01	0.01	0.408	0.41
	WLAN5.3G	802.11ac VHT160	Rear Face	8	50	Ant 0	100.00	1.00	14.00	13.97	1.01	0.18	0.105	0.11
	WLAN5.3G	802.11ac VHT160	Left Side	8	50	Ant 0	100.00	1.00	14.00	13.97	1.01	-0.15	0.461	0.47
	WLAN5.3G	802.11ac VHT160	Right Side	8	50	Ant 0	100.00	1.00	14.00	13.97	1.01	-0.09	0.108	0.11
	WLAN5.3G	802.11ac VHT160	Top Side	8	50	Ant 0	100.00	1.00	14.00	13.97	1.01	-0.03	0.461	0.47
2	WLAN5.3G	802.11ac VHT160	Bottom Side	8	50	Ant 0	100.00	1.00	14.00	13.97	1.01	0.16	0.675	0.68
	WLAN5.3G	802.11ac VHT160	Front Face	8	50	Ant 1	100.00	1.00	14.00	13.94	1.01	-0.07	0.357	0.36
	WLAN5.3G	802.11ac VHT160	Rear Face	8	50	Ant 1	100.00	1.00	14.00	13.94	1.01	-0.19	0.063	0.06
	WLAN5.3G	802.11ac VHT160	Left Side	8	50	Ant 1	100.00	1.00	14.00	13.94	1.01	-0.04	0.422	0.43
	WLAN5.3G	802.11ac VHT160	Right Side	8	50	Ant 1	100.00	1.00	14.00	13.94	1.01	0.12	0.06	0.06
	WLAN5.3G	802.11ac VHT160	Top Side	8	50	Ant 1	100.00	1.00	14.00	13.94	1.01	-0.12	0.185	0.19
	WLAN5.3G	802.11ac VHT160	Bottom Side	8	50	Ant 1	100.00	1.00	14.00	13.94	1.01	0.05	0.434	0.44
	WLAN5.3G	802.11ac VHT160	Front Face	8	50	Ant 0+1	100.00	1.00	17.00	16.86	1.03	0.08	0.515	0.53
	WLAN5.3G	802.11ac VHT160	Rear Face	8	50	Ant 0+1	100.00	1.00	17.00	16.86	1.03	0.18	0.098	0.10
	WLAN5.3G	802.11ac VHT160	Left Side	8	50	Ant 0+1	100.00	1.00	17.00	16.86	1.03	-0.01	0.604	0.62
	WLAN5.3G	802.11ac VHT160	Right Side	8	50	Ant 0+1	100.00	1.00	17.00	16.86	1.03	-0.17	0.056	0.06
	WLAN5.3G	802.11ac VHT160	Top Side	8	50	Ant 0+1	100.00	1.00	17.00	16.86	1.03	0.11	0.276	0.28
	WLAN5.3G	802.11ac VHT160	Bottom Side	8	50	Ant 0+1	100.00	1.00	17.00	16.86	1.03	0.03	0.626	0.64
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Module SAR Test Result

System & Position						DUT & Accessory	SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	Ant Status	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaled SAR-1g (W/kg)
	WLAN5.6G	802.11ac VHT160	Front Face	8	114	Ant 0	100.00	1.00	14.00	13.97	1.01	-0.15	0.404	0.41
	WLAN5.6G	802.11ac VHT160	Rear Face	8	114	Ant 0	100.00	1.00	14.00	13.97	1.01	-0.14	0.103	0.10
	WLAN5.6G	802.11ac VHT160	Left Side	8	114	Ant 0	100.00	1.00	14.00	13.97	1.01	0.18	0.456	0.46
	WLAN5.6G	802.11ac VHT160	Right Side	8	114	Ant 0	100.00	1.00	14.00	13.97	1.01	0.04	0.107	0.11
	WLAN5.6G	802.11ac VHT160	Top Side	8	114	Ant 0	100.00	1.00	14.00	13.97	1.01	0.09	0.456	0.46
3	WLAN5.6G	802.11ac VHT160	Bottom Side	8	114	Ant 0	100.00	1.00	14.00	13.97	1.01	-0.16	0.668	0.67
	WLAN5.6G	802.11ac VHT160	Front Face	8	114	Ant 1	100.00	1.00	14.00	13.98	1.00	-0.06	0.533	0.53
	WLAN5.6G	802.11ac VHT160	Rear Face	8	114	Ant 1	100.00	1.00	14.00	13.98	1.00	0.17	0.095	0.10
	WLAN5.6G	802.11ac VHT160	Left Side	8	114	Ant 1	100.00	1.00	14.00	13.98	1.00	-0.18	0.63	0.63
	WLAN5.6G	802.11ac VHT160	Right Side	8	114	Ant 1	100.00	1.00	14.00	13.98	1.00	-0.03	0.089	0.09
	WLAN5.6G	802.11ac VHT160	Top Side	8	114	Ant 1	100.00	1.00	14.00	13.98	1.00	-0.06	0.275	0.28
	WLAN5.6G	802.11ac VHT160	Bottom Side	8	114	Ant 1	100.00	1.00	14.00	13.98	1.00	-0.1	0.647	0.65
	WLAN5.6G	802.11ac VHT160	Front Face	8	114	Ant 0+1	100.00	1.00	17.00	16.92	1.02	0.04	0.538	0.55
	WLAN5.6G	802.11ac VHT160	Rear Face	8	114	Ant 0+1	100.00	1.00	17.00	16.92	1.02	-0.04	0.102	0.10
	WLAN5.6G	802.11ac VHT160	Left Side	8	114	Ant 0+1	100.00	1.00	17.00	16.92	1.02	0.1	0.631	0.64
	WLAN5.6G	802.11ac VHT160	Right Side	8	114	Ant 0+1	100.00	1.00	17.00	16.92	1.02	0.08	0.058	0.06
	WLAN5.6G	802.11ac VHT160	Top Side	8	114	Ant 0+1	100.00	1.00	17.00	16.92	1.02	0.02	0.288	0.29
	WLAN5.6G	802.11ac VHT160	Bottom Side	8	114	Ant 0+1	100.00	1.00	17.00	16.92	1.02	-0.15	0.651	0.66
							-	1.00	-	-	1		-	-
	WLAN5.8G	802.11ac VHT80	Front Face	8	155	Ant 0	100.00	1.00	14.00	13.94	1.01	0.01	0.295	0.30
	WLAN5.8G	802.11ac VHT80	Rear Face	8	155	Ant 0	100.00	1.00	14.00	13.94	1.01	-0.09	0.075	0.08
	WLAN5.8G	802.11ac VHT80	Left Side	8	155	Ant 0	100.00	1.00	14.00	13.94	1.01	-0.15	0.332	0.34
	WLAN5.8G	802.11ac VHT80	Right Side	8	155	Ant 0	100.00	1.00	14.00	13.94	1.01	0.07	0.078	0.08
	WLAN5.8G	802.11ac VHT80	Top Side	8	155	Ant 0	100.00	1.00	14.00	13.94	1.01	-0.17	0.332	0.34
	WLAN5.8G	802.11ac VHT80	Bottom Side	8	155	Ant 0	100.00	1.00	14.00	13.94	1.01	-0.13	0.487	0.49
	WLAN5.8G	802.11ac VHT80	Front Face	8	155	Ant 1	100.00	1.00	14.00	13.89	1.03	0.02	0.548	0.56
	WLAN5.8G	802.11ac VHT80	Rear Face	8	155	Ant 1	100.00	1.00	14.00	13.89	1.03	0.11	0.097	0.10
	WLAN5.8G	802.11ac VHT80	Left Side	8	155	Ant 1	100.00	1.00	14.00	13.89	1.03	0.05	0.648	0.67
	WLAN5.8G	802.11ac VHT80	Right Side	8	155	Ant 1	100.00	1.00	14.00	13.89	1.03	-0.06	0.092	0.09
	WLAN5.8G	802.11ac VHT80	Top Side	8	155	Ant 1	100.00	1.00	14.00	13.89	1.03	-0.1	0.285	0.29
	WLAN5.8G	802.11ac VHT80	Bottom Side	8	155	Ant 1	100.00	1.00	14.00	13.89	1.03	-0.05	0.666	0.69
	WLAN5.8G	802.11ac VHT80	Front Face	8	155	Ant 0+1	100.00	1.00	17.00	16.81	1.04	0.15	0.605	0.63
	WLAN5.8G	802.11ac VHT80	Rear Face	8	155	Ant 0+1	100.00	1.00	17.00	16.81	1.04	0.09	0.115	0.12
	WLAN5.8G	802.11ac VHT80	Left Side	8	155	Ant 0+1	100.00	1.00	17.00	16.81	1.04	-0.16	0.708	0.74
	WLAN5.8G	802.11ac VHT80	Right Side	8	155	Ant 0+1	100.00	1.00	17.00	16.81	1.04	0.11	0.063	0.07
	WLAN5.8G	802.11ac VHT80	Top Side	8	155	Ant 0+1	100.00	1.00	17.00	16.81	1.04	0.07	0.323	0.34
4	WLAN5.8G	802.11ac VHT80	Bottom Side	8	155	Ant 0+1	100.00	1.00	17.00	16.81	1.04	-0.05	0.733	0.76

Module SAR Test Result

System & Position						DUT & Accessory	SAR							
Plot No.	Band	Mode	Test Position	Separation Distance (mm)	Channel	Ant Status	Duty Cycle	Crest Factor	Max. Tune-up Power (dBm)	Measured Conducted Power (dBm)	Scaling Factor	Power Drift (dB)	Measured SAR-1g (W/kg)	Scaled SAR-1g (W/kg)
	BT	BR / EDR	Front Face	8	0	Ant 1	76.08	1.31	15.00	14.89	1.03	0.09	0.127	0.17
	BT	BR / EDR	Rear Face	8	0	Ant 1	76.08	1.31	15.00	14.89	1.03	0.09	0.119	0.16
	BT	BR / EDR	Left Side	8	0	Ant 1	76.08	1.31	15.00	14.89	1.03	0.01	0.186	0.25
	BT	BR / EDR	Right Side	8	0	Ant 1	76.08	1.31	15.00	14.89	1.03	0.08	0.183	0.25
	BT	BR / EDR	Top Side	8	0	Ant 1	76.08	1.31	15.00	14.89	1.03	-0.11	0.283	0.38
5	BT	BR / EDR	Bottom Side	8	0	Ant 1	76.08	1.31	15.00	14.89	1.03	-0.02	0.315	0.43
	BT	BR / EDR	Bottom Side	8	39	Ant 1	76.08	1.31	15.00	14.78	1.05	-0.01	0.295	0.41
	BT	BR / EDR	Bottom Side	8	78	Ant 1	76.08	1.31	15.00	14.75	1.06	-0.19	0.308	0.43