Appendix H. SAR Test Result

SAR Results for Body Exposure Condition.

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

SAR Test Result

System & Position					DUT & Accessory	SAR							
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	1	Ant 0	100.00	1.00	15.00	14.98	1.00	-0.04	0.28	0.28
WLAN2.4G	802.11b	Rear Face	8	1	Ant 0	100.00	1.00	15.00	14.98	1.00	0.07	0.219	0.22
WLAN2.4G	802.11b	Left Side	8	1	Ant 0	100.00	1.00	15.00	14.98	1.00	0.15	0.242	0.24
WLAN2.4G	802.11b	Right Side	8	1	Ant 0	100.00	1.00	15.00	14.98	1.00	-0.08	0.384	0.38
WLAN2.4G	802.11b	Top Side	8	1	Ant 0	100.00	1.00	15.00	14.98	1.00	-0.05	0.355	0.36
WLAN2.4G	802.11b	Bottom Side	8	1	Ant 0	100.00	1.00	15.00	14.98	1.00	-0.05	0.393	0.39
WLAN2.4G	802.11b	Front Face	8	1	Ant 1	100.00	1.00	15.00	14.95	1.01	-0.11	0.301	0.30
WLAN2.4G	802.11b	Rear Face	8	1	Ant 1	100.00	1.00	15.00	14.95	1.01	0.03	0.199	0.20
WLAN2.4G	802.11b	Left Side	8	1	Ant 1	100.00	1.00	15.00	14.95	1.01	0.01	0.265	0.27
WLAN2.4G	802.11b	Right Side	8	1	Ant 1	100.00	1.00	15.00	14.95	1.01	0.05	0.381	0.38
WLAN2.4G	802.11b	Top Side	8	1	Ant 1	100.00	1.00	15.00	14.95	1.01	-0.08	0.383	0.39
WLAN2.4G	802.11b	Bottom Side	8	1	Ant 1	100.00	1.00	15.00	14.95	1.01	-0.05	0.421	0.43
WLAN2.4G	802.11b	Front Face	8	1	Ant 0+1	100.00	1.00	18.00	17.98	1.00	0.11	0.32	0.32
WLAN2.4G	802.11b	Rear Face	8	1	Ant 0+1	100.00	1.00	18.00	17.98	1.00	0.03	0.199	0.20
WLAN2.4G	802.11b	Left Side	8	1	Ant 0+1	100.00	1.00	18.00	17.98	1.00	-0.06	0.237	0.24
WLAN2.4G	802.11b	Right Side	8	1	Ant 0+1	100.00	1.00	18.00	17.98	1.00	0.01	0.405	0.41
WLAN2.4G	802.11b	Top Side	8	1	Ant 0+1	100.00	1.00	18.00	17.98	1.00	-0.07	0.403	0.40
WLAN2.4G	802.11b	Bottom Side	8	1	Ant 0+1	100.00	1.00	18.00	17.98	1.00	-0.05	0.411	0.41
WLAN2.4G	802.11b	Bottom Side	8	6	Ant 1	100.00	1.00	15.00	14.92	1.02	0.13	0.406	0.41
WLAN2.4G	802.11b	Bottom Side	8	11	Ant 1	100.00	1.00	15.00	14.81	1.04	0.05	0.382	0.40
WLAN2.4G	802.11b	Bottom Side	8	12	Ant 1	100.00	1.00	15.00	14.76	1.06	0.06	0.354	0.40
WLAN2.4G	802.11b	Bottom Side	8	13	Ant 1	100.00	1.00	15.00	14.82	1.04	-0.02	0.367	0.40

SAR Test Result

System & Position					DUT & Accessory	SAR							
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)
WLAN5.3G	802.11ac VHT80	Front Face	8	58	Ant 0	100.00	1.00	14.00	13.94	1.01	-0.09	0.506	0.51
WLAN5.3G	802.11ac VHT80	Rear Face	8	58	Ant 0	100.00	1.00	14.00	13.94	1.01	0.13	0.308	0.31
WLAN5.3G	802.11ac VHT80	Left Side	8	58	Ant 0	100.00	1.00	14.00	13.94	1.01	0.05	0.462	0.47
WLAN5.3G	802.11ac VHT80	Right Side	8	58	Ant 0	100.00	1.00	14.00	13.94	1.01	0.08	0.34	0.34
WLAN5.3G	802.11ac VHT80	Top Side	8	58	Ant 0	100.00	1.00	14.00	13.94	1.01	0.11	0.52	0.53
WLAN5.3G	802.11ac VHT80	Bottom Side	8	58	Ant 0	100.00	1.00	14.00	13.94	1.01	-0.05	0.532	0.54
WLAN5.3G	802.11ac VHT80	Front Face	8	58	Ant 1	100.00	1.00	14.00	13.98	1.00	0.12	0.559	0.56
WLAN5.3G	802.11ac VHT80	Rear Face	8	58	Ant 1	100.00	1.00	14.00	13.98	1.00	0.05	0.361	0.36
WLAN5.3G	802.11ac VHT80	Left Side	8	58	Ant 1	100.00	1.00	14.00	13.98	1.00	-0.03	0.537	0.54
WLAN5.3G	802.11ac VHT80	Right Side	8	58	Ant 1	100.00	1.00	14.00	13.98	1.00	0.01	0.344	0.34
WLAN5.3G	802.11ac VHT80	Top Side	8	58	Ant 1	100.00	1.00	14.00	13.98	1.00	0.07	0.535	0.54
WLAN5.3G	802.11ac VHT80	Bottom Side	8	58	Ant 1	100.00	1.00	14.00	13.98	1.00	-0.02	0.574	0.57
WLAN5.3G	802.11ac VHT80	Front Face	8	58	Ant 0+1	100.00	1.00	17.00	16.76	1.06	0.09	0.582	0.62
WLAN5.3G	802.11ac VHT80	Rear Face	8	58	Ant 0+1	100.00	1.00	17.00	16.76	1.06	-0.08	0.407	0.43
WLAN5.3G	802.11ac VHT80	Left Side	8	58	Ant 0+1	100.00	1.00	17.00	16.76	1.06	0.01	0.575	0.61
WLAN5.3G	802.11ac VHT80	Right Side	8	58	Ant 0+1	100.00	1.00	17.00	16.76	1.06	0.06	0.342	0.36
WLAN5.3G	802.11ac VHT80	Top Side	8	58	Ant 0+1	100.00	1.00	17.00	16.76	1.06	-0.14	0.546	0.58
WLAN5.3G	802.11ac VHT80	Bottom Side	8	58	Ant 0+1	100.00	1.00	17.00	16.76	1.06	-0.01	0.593	0.63

SAR Test Result

System & Position					DUT & Accessory	SAR							
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 VHT80	Front Face	8	106	Ant 0	100.00	1.00	14.00	13.97	1.01	0.05	0.329	0.33
WLAN5.6G	802.11ac VHT80	Rear Face	8	106	Ant 0	100.00	1.00	14.00	13.97	1.01	0.02	0.201	0.20
WLAN5.6G	802.11ac VHT80	Left Side	8	106	Ant 0	100.00	1.00	14.00	13.97	1.01	-0.09	0.301	0.30
WLAN5.6G	802.11ac VHT80	Right Side	8	106	Ant 0	100.00	1.00	14.00	13.97	1.01	0.12	0.221	0.22
WLAN5.6G	802.11ac VHT80	Top Side	8	106	Ant 0	100.00	1.00	14.00	13.97	1.01	-0.06	0.338	0.34
WLAN5.6G	802.11ac VHT80	Bottom Side	8	106	Ant 0	100.00	1.00	14.00	13.97	1.01	-0.02	0.346	0.35
WLAN5.6G	802.11ac VHT80	Front Face	8	106	Ant 1	100.00	1.00	14.00	13.98	1.00	-0.16	0.773	0.77
WLAN5.6G	802.11ac VHT80	Rear Face	8	106	Ant 1	100.00	1.00	14.00	13.98	1.00	0.1	0.499	0.50
WLAN5.6G	802.11ac VHT80	Left Side	8	106	Ant 1	100.00	1.00	14.00	13.98	1.00	-0.09	0.744	0.74
WLAN5.6G	802.11ac VHT80	Right Side	8	106	Ant 1	100.00	1.00	14.00	13.98	1.00	0.09	0.475	0.48
WLAN5.6G	802.11ac VHT80	Top Side	8	106	Ant 1	100.00	1.00	14.00	13.98	1.00	0.16	0.741	0.74
WLAN5.6G	802.11ac VHT80	Bottom Side	8	106	Ant 1	100.00	1.00	14.00	13.98	1.00	-0.16	0.794	0.79
WLAN5.6G	802.11ac VHT80	Front Face	8	106	Ant 0+1	100.00	1.00	17.00	16.93	1.02	0.07	0.716	0.73
WLAN5.6G	802.11ac VHT80	Rear Face	8	106	Ant 0+1	100.00	1.00	17.00	16.93	1.02	-0.09	0.502	0.51
WLAN5.6G	802.11ac VHT80	Left Side	8	106	Ant 0+1	100.00	1.00	17.00	16.93	1.02	0.06	0.708	0.72
WLAN5.6G	802.11ac VHT80	Right Side	8	106	Ant 0+1	100.00	1.00	17.00	16.93	1.02	-0.17	0.421	0.43
WLAN5.6G	802.11ac VHT80	Top Side	8	106	Ant 0+1	100.00	1.00	17.00	16.93	1.02	-0.09	0.673	0.69
WLAN5.6G	802.11ac VHT80	Bottom Side	8	106	Ant 0+1	100.00	1.00	17.00	16.93	1.02	-0.19	0.73	0.74
WLAN5.6G	802.11ac VHT80	Bottom Side	8	122	Ant 1	100.00	1.00	14.00	13.90	1.02	-0.05	0.751	0.77
WLAN5.6G	802.11ac VHT80	Bottom Side	8	138	Ant 1	100.00	1.00	14.00	13.87	1.03	-0.09	0.762	0.78

SAR Test Result

System & Position					DUT & Accessory	SAR							
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)
WLAN5.8G	802.11ac VHT80	Front Face	8	155	Ant 0	100.00	1.00	14.00	13.98	1.00	-0.03	0.624	0.62
WLAN5.8G	802.11ac VHT80	Rear Face	8	155	Ant 0	100.00	1.00	14.00	13.98	1.00	0.15	0.381	0.38
WLAN5.8G	802.11ac VHT80	Left Side	8	155	Ant 0	100.00	1.00	14.00	13.98	1.00	0.02	0.569	0.57
WLAN5.8G	802.11ac VHT80	Right Side	8	155	Ant 0	100.00	1.00	14.00	13.98	1.00	-0.09	0.419	0.42
WLAN5.8G	802.11ac VHT80	Top Side	8	155	Ant 0	100.00	1.00	14.00	13.98	1.00	0.07	0.641	0.64
WLAN5.8G	802.11ac VHT80	Bottom Side	8	155	Ant 0	100.00	1.00	14.00	13.98	1.00	-0.08	0.656	0.66
WLAN5.8G	802.11ac VHT80	Front Face	8	155	Ant 1	100.00	1.00	14.00	13.98	1.00	0.01	0.652	0.65
WLAN5.8G	802.11ac VHT80	Rear Face	8	155	Ant 1	100.00	1.00	14.00	13.98	1.00	0.05	0.421	0.42
WLAN5.8G	802.11ac VHT80	Left Side	8	155	Ant 1	100.00	1.00	14.00	13.98	1.00	-0.19	0.627	0.63
WLAN5.8G	802.11ac VHT80	Right Side	8	155	Ant 1	100.00	1.00	14.00	13.98	1.00	0.18	0.401	0.40
WLAN5.8G	802.11ac VHT80	Top Side	8	155	Ant 1	100.00	1.00	14.00	13.98	1.00	-0.1	0.624	0.62
WLAN5.8G	802.11ac VHT80	Bottom Side	8	155	Ant 1	100.00	1.00	14.00	13.98	1.00	-0.15	0.669	0.67
WLAN5.8G	802.11ac VHT80	Front Face	8	155	Ant 0+1	100.00	1.00	17.00	16.94	1.01	0.03	0.728	0.74
WLAN5.8G	802.11ac VHT80	Rear Face	8	155	Ant 0+1	100.00	1.00	17.00	16.94	1.01	0.06	0.511	0.52
WLAN5.8G	802.11ac VHT80	Left Side	8	155	Ant 0+1	100.00	1.00	17.00	16.94	1.01	0.02	0.719	0.73
WLAN5.8G	802.11ac VHT80	Right Side	8	155	Ant 0+1	100.00	1.00	17.00	16.94	1.01	0.15	0.428	0.43
WLAN5.8G	802.11ac VHT80	Top Side	8	155	Ant 0+1	100.00	1.00	17.00	16.94	1.01	0.08	0.684	0.69
WLAN5.8G	802.11ac VHT80	Bottom Side	8	155	Ant 0+1	100.00	1.00	17.00	16.94	1.01	-0.13	0.742	0.75
BT	BDR	Front Face	8	78	Ant 1	76.29	1.31	11.50	11.29	1.05	0.16	0.15	0.21
BT	BDR	Rear Face	8	78	Ant 1	76.29	1.31	11.50	11.29	1.05	0.14	0.101	0.14
BT	BDR	Left Side	8	78	Ant 1	76.29	1.31	11.50	11.29	1.05	-0.11	0.132	0.18
BT	BDR	Right Side	8	78	Ant 1	76.29	1.31	11.50	11.29	1.05	-0.18	0.191	0.26
BT	BDR	Top Side	8	78	Ant 1	76.29	1.31	11.50	11.29	1.05	-0.03	0.192	0.26
BT	BDR	Bottom Side	8	78	Ant 1	76.29	1.31	11.50	11.29	1.05	-0.15	0.211	0.29
BT	BDR	Bottom Side	8	0	Ant 1	76.29	1.31	11.50	11.13	1.09	0.12	0.195	0.28
BT	BDR	Bottom Side	8	39	Ant 1	76.29	1.31	11.50	11.08	1.10	0.01	0.187	0.27