

Appendix H. SAR and Power Density Test Result

SAR and Power Density Results for Head Exposure Condition.

Note:

1. SAR testing for WLAN was performed on the maximum power mode.
2. Per FCC guidance, SAR was performed using 6.5GHz SAR Probe calibration factors.
3. Per U-NII 6G interim test procedure in Oct. 2020 TCBs Workshop notes. At least 5 channels for BW 160MHz should be tested. It performed all channels SAR & Power Density in this report.

Test Engineer : Chienlun Huang, and Gary Chao

Head SAR and Power Density Test Result																							
System & Position						DUT & Accessory	SAR								Power Density								
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)	Measured APD W/m ² (4cm ²)	Grid Step [λ]	iPD [W/m ²]	Scaling Factor for Measurement Uncertainty	Averaging Area [cm ²]	Normal psPD [W/m ²]	Scaled Normal psPD [W/m ²]	Total psPD [W/m ²]	Scaled Total psPD [W/m ²]
	UNII-5	802.11ax HE160	Rear Face	0	15	Ant 0+1	99.50	1.01	17.50	15.71	1.51	0.07	0.276	0.42	2.33	0.25	4.30	1.545	4.00	1.13	1.75	1.20	2.83
	UNII-5	802.11ax HE160	Rear Face	0	47	Ant 0+1	99.50	1.01	17.50	16.10	1.38	-0.16	0.256	0.36	2.21	0.25	4.68	1.545	4.00	1.30	2.01	1.43	3.08
	UNII-5	802.11ax HE160	Rear Face	0	79	Ant 0+1	99.50	1.01	17.50	16.26	1.33	0.15	0.385	0.52	3.28	0.25	5.84	1.545	4.00	1.79	2.77	1.85	3.84
1	UNII-6	802.11ax HE160	Rear Face	0	111	Ant 0+1	99.50	1.01	17.50	16.74	1.19	-0.16	0.493	0.59	4.13	0.25	9.27	1.545	4.00	3.06	4.73	3.28	6.09
	UNII-7	802.11ax HE160	Rear Face	0	143	Ant 0+1	99.50	1.01	17.50	16.86	1.16	-0.06	0.398	0.47	3.24	0.25	6.80	1.545	4.00	2.39	3.69	2.47	4.47
	UNII-7	802.11ax HE160	Rear Face	0	175	Ant 0+1	99.50	1.01	17.50	16.51	1.26	-0.06	0.323	0.41	2.59	0.25	5.68	1.545	4.00	1.78	2.75	1.90	3.74
	UNII-8	802.11ax HE160	Rear Face	0	207	Ant 0+1	99.50	1.01	17.50	16.88	1.15	-0.09	0.425	0.49	3.41	0.25	6.30	1.545	4.00	2.21	3.41	2.31	4.15