

**11 SAR MEASUREMENT RESULT (2.4 GHZ)****11.1 Test Position 3 – Main Antenna (HTL017)****802.11b**

Separation. distance (mm)	Channel	f (MHz)	Measured 1g (mW/g)	Power Drift (dBm)	Extrapolated 1g (mW/g)	Limit (mW/g)
0	1	2412			0.000	
0	6	2437	0.019	-0.104	0.0195	1.6
0	11	2462			0.000	

**802.11g**

Separation. distance (mm)	Channel	f (MHz)	Measured 1g (mW/g)	Power Drift (dBm)	Extrapolated 1g (mW/g)	Limit (mW/g)
0	1	2412			0.000	
0	6	2437	0.020	-0.099	0.0205	1.6
0	11	2462			0.000	

## Notes:

- 1) The exact method of extrapolation is  $\text{measured SAR} \times 10^{(-\text{drift}/10)}$ . The SAR reported at the end of the measurement process by the DASY4 measurement system can be scaled up by the measured drift to determine the SAR at the beginning of the measurement process
- 2) The SAR measured at the highest power channel for this configuration is at least 3 dB lower than SAR limit, thus testing at others channel is optional.
- 3) Please see attachment for the detailed measurement data and plots showing the maximum SAR location of the EUT.

**11.2 Test Position 4 – Aux Antenna (HTL017)****802.11b**

Separation. distance (mm)	Channel	f (MHz)	Measured 1g (mW/g)	Power Drift (dBm)	Extrapolated 1g (mW/g)	Limit (mW/g)
0	6	2347	0.045	-0.153	0.047	
0	6 <sup>1)</sup>	2437	0.042	-0.090	0.0429	1.6
0	6 <sup>2)</sup>	2437	0.042	-0.010	0.042	

**802.11g**

Separation. distance (mm)	Channel	f (MHz)	Measured 1g (mW/g)	Power Drift (dBm)	Extrapolated 1g (mW/g)	Limit (mW/g)
0	1	2412			0.000	
0	6	2437	0.038	-0.040	0.0384	1.6
0	11	2462			0.000	

## Notes:

- 1) The Co-located SAR measurement result with the Wireless card and Bluetooth (BC02) radio card (Transmitting simultaneously)
- 2) The Co-located SAR measurement result with the Wireless card and Bluetooth (BC04) radio card (Transmitting simultaneously)
- 3) The exact method of extrapolation is  $\text{measured SAR} \times 10^{(-\text{drift}/10)}$ . The SAR reported at the end of the measurement process by the DASY4 measurement system can be scaled up by the measured drift to determine the SAR at the beginning of the measurement process
- 4) The SAR measured at the highest power channel for this configuration is at least 3 dB lower than SAR limit, thus testing at others channel is optional.
- 5) Please see attachment for the detailed measurement data and plots showing the maximum SAR location of the EUT.

**11.3 Test Position 3 – Main Antenna (TIAN01)****802.11b**

Separation. distance (mm)	Channel	f (MHz)	Measured 1g (mW/g)	Power Drift (dBm)	Extrapolated 1g (mW/g)	Limit (mW/g)
0	1	2412			0.000	
0	6	2437	0.024	-0.101	0.0246	1.6
0	11	2462			0.000	

**802.11g**

Separation. distance (mm)	Channel	f (MHz)	Measured 1g (mW/g)	Power Drift (dBm)	Extrapolated 1g (mW/g)	Limit (mW/g)
0	1	2412			0.000	
0	6	2437	0.022	-0.180	0.0229	1.6
0	11	2462			0.000	

## Notes:

- 1) The exact method of extrapolation is  $\text{measured SAR} \times 10^{(-\text{drift}/10)}$ . The SAR reported at the end of the measurement process by the DASY4 measurement system can be scaled up by the measured drift to determine the SAR at the beginning of the measurement process
- 2) The SAR measured at the highest power channel for this configuration is at least 3 dB lower than SAR limit, thus testing at others channel is optional.
- 3) Please see attachment for the detailed measurement data and plots showing the maximum SAR location of the EUT.

**11.4 Test Position 4 – Aux Antenna (TIAN01)****802.11b**

Separation. distance (mm)	Channel	f (MHz)	Measured 1g (mW/g)	Power Drift (dBm)	Extrapolated 1g (mW/g)	Limit (mW/g)
0	1	2412			0.000	
0	6	2437	0.026	-0.186	0.0271	1.6
0	11	2462			0.000	

**802.11g**

Separation. distance (mm)	Channel	f (MHz)	Measured 1g (mW/g)	Power Drift (dBm)	Extrapolated 1g (mW/g)	Limit (mW/g)
0	1	2412			0.000	
0	6	2437	0.023	-0.011	0.0231	1.6
0	11	2462			0.000	

## Notes:

- 1) The exact method of extrapolation is  $\text{measured SAR} \times 10^{(-\text{drift}/10)}$ . The SAR reported at the end of the measurement process by the DASY4 measurement system can be scaled up by the measured drift to determine the SAR at the beginning of the measurement process
- 2) The SAR measured at the highest power channel for this configuration is at least 3 dB lower than SAR limit, thus testing at others channel is optional.
- 3) Please see attachment for the detailed measurement data and plots showing the maximum SAR location of the EUT.



**12 SAR MEASUREMENT RESULT (5 GHZ)****12.1 Test Position 3 – Main Antenna (HTL017)****802.11a (5.2 GHz band)**

Separation. distance (mm)	Channel	f (MHz)	Measured 1g (mW/g)	Power Drift (dBm)	Extrapolated 1g (mW/g)	Limit (mW/g)
0	36	5180			0.000	
0	52	5260	0.053	-0.198	0.055	1.6
0	64	5320			0.000	

**802.11a (5.8 GHz band)**

Separation. distance (mm)	Channel	f (MHz)	Measured 1g (mW/g)	Power Drift (dBm)	Extrapolated 1g (mW/g)	Limit (mW/g)
0	149	5745	0.064	-0.111	0.066	1.6
0	157	5785			0.000	
0	165	5820			0.000	

**Notes:**

- 1) The exact method of extrapolation is  $\text{measured SAR} \times 10^{(-\text{drift}/10)}$ . The SAR reported at the end of the measurement process by the DASY4 measurement system can be scaled up by the measured drift to determine the SAR at the beginning of the measurement process
- 2) The SAR measured at the highest power channel for this configuration is at least 3 dB lower than SAR limit, thus testing at others channel is optional.
- 3) Please see attachment for the detailed measurement data and plots showing the maximum SAR location of the EUT.

**12.2 Test Position 4 – Aux Antenna (HTL017)****802.11a (5.2 GHz band)**

Separation. distance (mm)	Channel	f (MHz)	Measured 1g (mW/g)	Power Drift (dBm)	Extrapolated 1g (mW/g)	Limit (mW/g)
0	36	5180			0.000	
0	52	5260	0.047	-0.097	0.048	1.6
0	64	5320			0.000	

**802.11a (5.8 GHz band)**

Separation. distance (mm)	Channel	f (MHz)	Measured 1g (mW/g)	Power Drift (dBm)	Extrapolated 1g (mW/g)	Limit (mW/g)
0	149	5745	0.066	-0.148	0.068	1.6
0	157	5785			0.000	
0	165	5820			0.000	

## Notes:

- 1) The exact method of extrapolation is  $\text{measured SAR} \times 10^{(-\text{drift}/10)}$ . The SAR reported at the end of the measurement process by the DASY4 measurement system can be scaled up by the measured drift to determine the SAR at the beginning of the measurement process
- 2) The SAR measured at the highest power channel for this configuration is at least 3 dB lower than SAR limit, thus testing at others channel is optional.
- 3) Please see attachment for the detailed measurement data and plots showing the maximum SAR location of the EUT.

**12.3 Test Position 3 – Main Antenna (TIAN01)****802.11a (5.2 GHz band)**

Separation. distance (mm)	Channel	f (MHz)	Measured 1g (mW/g)	Power Drift (dBm)	Extrapolated 1g (mW/g)	Limit (mW/g)
0	36	5180			0.000	
0	52	5260	0.064	-0.123	0.066	1.6
0	64	5320			0.000	

**802.11a (5.8 GHz band)**

Separation. distance (mm)	Channel	f (MHz)	Measured 1g (mW/g)	Power Drift (dBm)	Extrapolated 1g (mW/g)	Limit (mW/g)
0	149	5745	0.094	-0.125	0.097	1.6
0	157	5785			0.000	
0	165	5820			0.000	

## Notes:

- 1) The exact method of extrapolation is  $\text{measured SAR} \times 10^{(-\text{drift}/10)}$ . The SAR reported at the end of the measurement process by the DASY4 measurement system can be scaled up by the measured drift to determine the SAR at the beginning of the measurement process
- 2) The SAR measured at the highest power channel for this configuration is at least 3 dB lower than SAR limit, thus testing at others channel is optional.
- 3) Please see attachment for the detailed measurement data and plots showing the maximum SAR location of the EUT.

**12.4 Test Position 4 – Aux Antenna (TIAN01)****802.11a (5.2 GHz band)**

Separation. distance (mm)	Channel	f (MHz)	Measured 1g (mW/g)	Power Drift (dBm)	Extrapolated 1g (mW/g)	Limit (mW/g)
0	36	5180			0.000	
0	52	5260	0.088	-0.101	0.090	1.6
0	64	5320			0.000	

**802.11a (5.8 GHz band)**

Separation. distance (mm)	Channel	f (MHz)	Measured 1g (mW/g)	Power Drift (dBm)	Extrapolated 1g (mW/g)	Limit (mW/g)
0	149	5745	0.119	-0.170	0.124	
0	149 <sup>1)</sup>	5745	0.089	-0.111	0.091	1.6
0	149 <sup>2)</sup>	5745	0.127	-0.140	0.131	

## Notes:

- 1) The Co-located SAR measurement result with the Wireless card and Bluetooth (BC02) radio card (Transmitting simultaneously)
- 2) The Co-located SAR measurement result with the Wireless card and Bluetooth (BC04) radio card (Transmitting simultaneously)
- 3) The exact method of extrapolation is  $\text{measured SAR} \times 10^{(-\text{drift}/10)}$ . The SAR reported at the end of the measurement process by the DASY4 measurement system can be scaled up by the measured drift to determine the SAR at the beginning of the measurement process.
- 4) The SAR measured at the highest power channel for this configuration is at least 3 dB lower than SAR limit, thus testing at others channel is optional.
- 5) Please see attachment for the detailed measurement data and plots showing the maximum SAR location of the EUT.