

Appendix A. Test Data

Duty Cycle						
Band	Frequency (MHz)	On time (ms)	On+off time (ms)	Duty cycle (%)	Duty Factor (dB)	1/T Minimum VBW (kHz)
Matter	2405	1.125	1.320	85.227	0.694	0.889

Maximum Conducted Output Power Measurement												
Test Mode	Frequency (MHz)	Average Power		Peak Power		Power Limit	Peak Gain	EIRP Power		EIRP Power Limit	RF Power setting in Test Software	Test Software Version
		dBm	W	dBm	W	dBm	dBd	dBm	W	W		
Matter	2405	18.56	0.0718	18.59	0.0723	30.00	2.62	21.21	0.1321	4.00	200.00	PuTTY
Matter	2440	18.46	0.0701	18.48	0.0705	30.00	2.62	21.10	0.1288	4.00	200.00	
Matter	2480	9.00	0.0079	9.10	0.0081	30.00	2.62	11.72	0.0149	4.00	100.00	

Note: The relevant measured result has the offset with cable loss already.

6 dB Bandwidth and 99 % Occupied Bandwidth

Test mode	Frequency	99 % Occupied Bandwidth	6 dB Bandwidth	6 dB Limit
	(MHz)	(MHz)	(kHz)	(kHz)
Matter	2405	2.201	1099.0000	≥ 500
Matter	2440	2.203	1095.0000	≥ 500
Matter	2480	2.213	1126.0000	≥ 500

Maximum Power Density Measurement

Test mode	Frequency	Reading	Limit
	(MHz)	(dBm/3 kHz)	(dBm/3 kHz)
Matter	2405	5.501	≤ 8
Matter	2440	5.210	≤ 8
Matter	2480	-5.029	≤ 8