

8 CONDUCTED RF OUPUT POWER

8.1	Bluetooth
8.1.1	Bluetooth Output Power
8.1.2	Bluetooth Duty Cycle

8.1 Bluetooth

8.1.1 Bluetooth Output Power

Bluetooth						
Test Mode	Modulation	Channel number	Frequency (MHz)	AV power (dBm)	Tune up (dBm))	SAR Test
BT	DH5	0	2402	12.10	13.00	Yes
		39	2441	11.86	13.00	Yes
		78	2480	11.60	13.00	Yes
	2DH5	0	2402	8.56	10.00	No
		39	2441	8.33	10.00	No
		78	2480	8.10	10.00	No
	3DH5	0	2402	8.56	10.00	No
		39	2441	8.29	10.00	No
		78	2480	8.04	10.00	No
	BLE1M	0	2402	5.16	6.00	Yes
		19	2440	4.93	6.00	Yes
		39	2480	4.71	6.00	Yes
	BLE2M	1	2404	5.17	6.00	No
		19	2440	4.96	6.00	No
		38	2478	4.74	6.00	No
Note: Since the duty cycle of BLE-1M is 61.07% and that of BLE-2M is 31.21%, the actual average power of BLE-1M is higher. Therefore, BLE-1M was chosen for the test.						

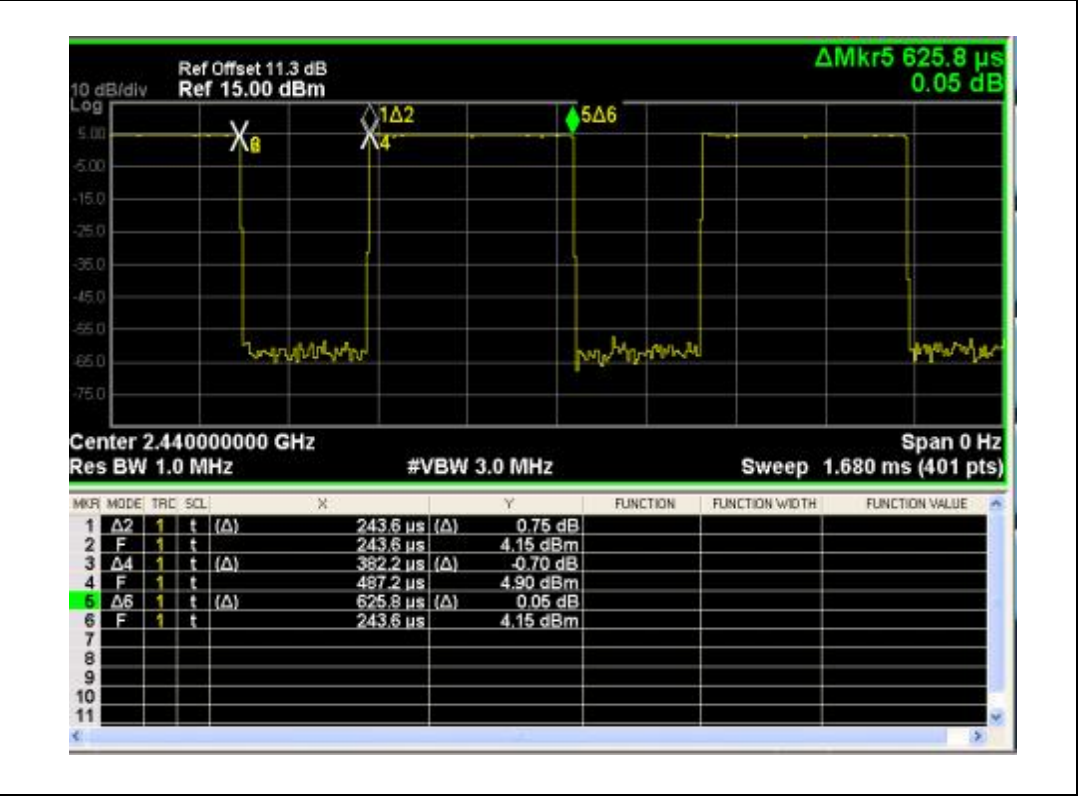
8.1.2 Bluetooth Duty Cycle

The Bluetooth DH5 duty cycle is 57.34% as following figure, according to 2016 Oct. TCB workshop for Bluetooth SAR scaling need further consideration and the maximum duty cycle is 100%, therefore the actual duty cycle will be scaled up to 100% for Bluetooth reported SAR calculation.



8.1.2 Bluetooth Duty Cycle

The Bluetooth BLE1M duty cycle is 61.07% as following figure, according to 2016 Oct. TCB workshop for Bluetooth SAR scaling need further consideration and the maximum duty cycle is 100%, therefore the actual duty cycle will be scaled up to 100% for Bluetooth reported SAR calculation.



8.1.2 Bluetooth Duty Cycle

The Bluetooth BLE2M duty cycle is 31.21% as following figure, according to 2016 Oct. TCB workshop for Bluetooth SAR scaling need further consideration and the maximum duty cycle is 100%, therefore the actual duty cycle will be scaled up to 100% for Bluetooth reported SAR calculation.

