

8 CONDUCTED RF OUPUT POWER

8.1	Bluetooth
8.1.1	Bluetooth Output Power
8.1.2	Bluetooth Duty Cycle

8.1 Bluetooth

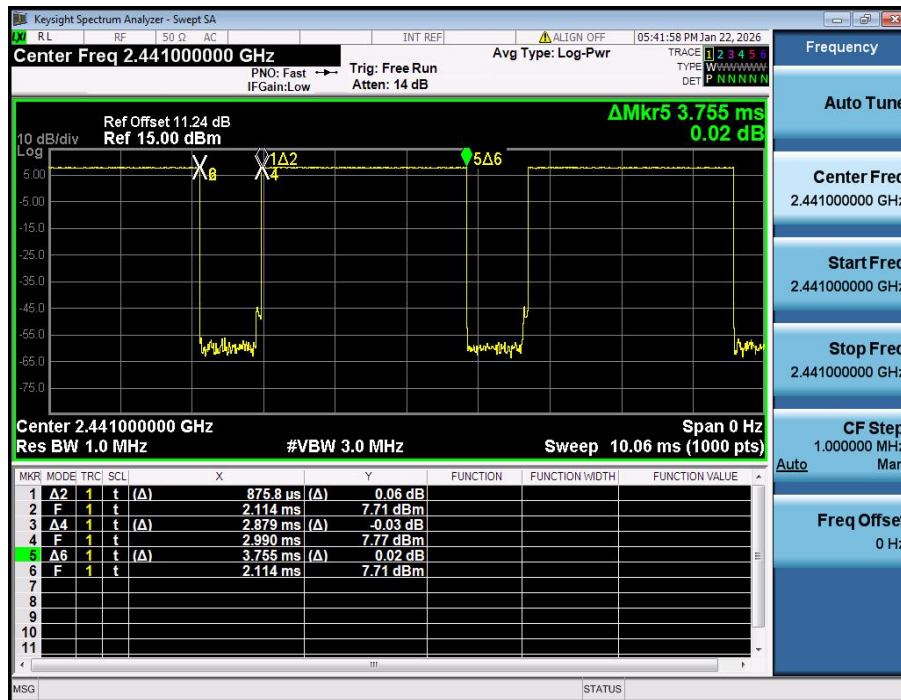
8.1.1 Bluetooth Output Power

Bluetooth					
test Mode	Modulation	Fre.(MHz)	AV output power(dBm)	Tune up power(dBm)	SAR Test
BT	DH5	2402	8.14	10.00	Yes
		2441	8.20	10.00	Yes
		2480	8.97	10.00	Yes
	2DH5	2402	7.80	9.00	No
		2441	7.82	9.00	No
		2480	8.59	9.00	No
	3DH5	2402	7.76	9.00	No
		2441	7.78	9.00	No
		2480	8.55	9.00	No
	BLE1M	2402	8.45	10.00	Yes
		2440	8.61	10.00	Yes
		2480	9.21	10.00	Yes
	BLE2M	2404	8.46	10.00	No
		2440	8.65	10.00	No
		2478	9.19	10.00	No
Note: Since bluetooth BR mode is the maximum output power mode, SAR measurements were performed with test software using DH5 modulation,and SAR measurement is not required for the EDR and LE. When the secondary mode is ≤ ¼ dB higher than the primary mode.					

8.1.2 Bluetooth Duty Cycle

The Bluetooth duty cycle-DH5 is 76.67% 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.

Duty Cycle



The Bluetooth duty cycle-BLE 1M is 61.74% 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.

Duty Cycle

