

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

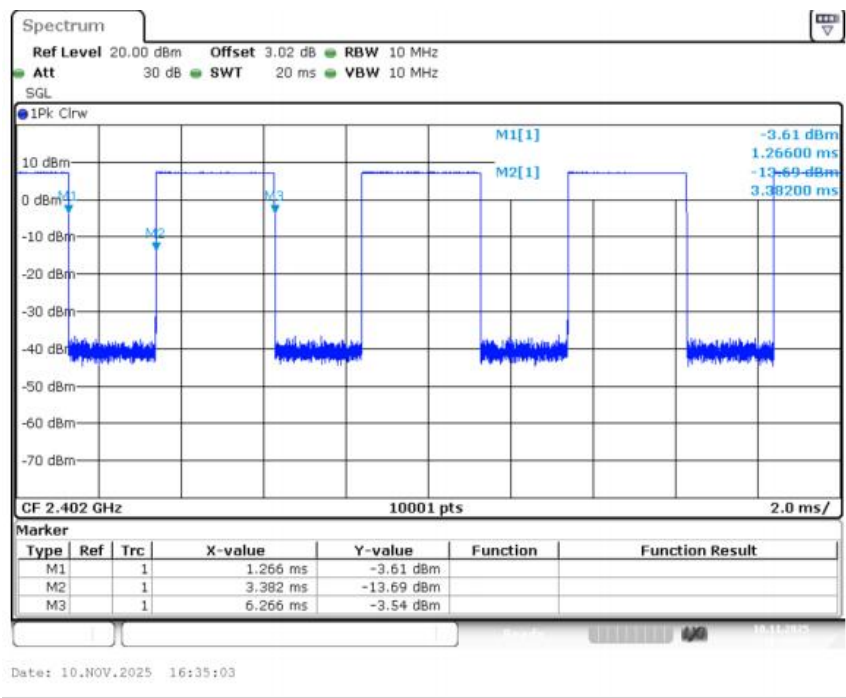
Bluetooth					
test Mode	Modulation	Fre.(MHz)	Conducted power(dBm)	Tune up power(dBm)	SAR Test
BT	DH5	2402	10.39	11.00	Yes
		2441	10.51	11.00	Yes
		2480	10.49	11.00	Yes
	2DH5	2402	10.42	11.00	No
		2441	10.51	11.00	No
		2480	10.50	11.00	No
	3DH5	2402	10.40	11.00	No
		2441	10.52	11.00	No
		2480	10.49	11.00	No
	BLE1M	2402	7.31	8.00	Yes
		2440	7.60	8.00	Yes
		2480	7.62	8.00	Yes
	BLE1M	2404	7.35	8.00	No
		2440	7.63	8.00	No
		2478	7.65	8.00	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 $\leq \frac{1}{4}$ dB higher than the primary mode.

8.1.2 Bluetooth Duty Cycle

The Bluetooth-DH5 duty cycle is 53.97% 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-BLE 1M duty cycle is 66.23% 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

