

8 CONDUCTED RF OUPUT POWER

8.1.1	Bluetooth Output Power
8.1.2	Bluetooth Duty Cycle

8.1 Bluetooth

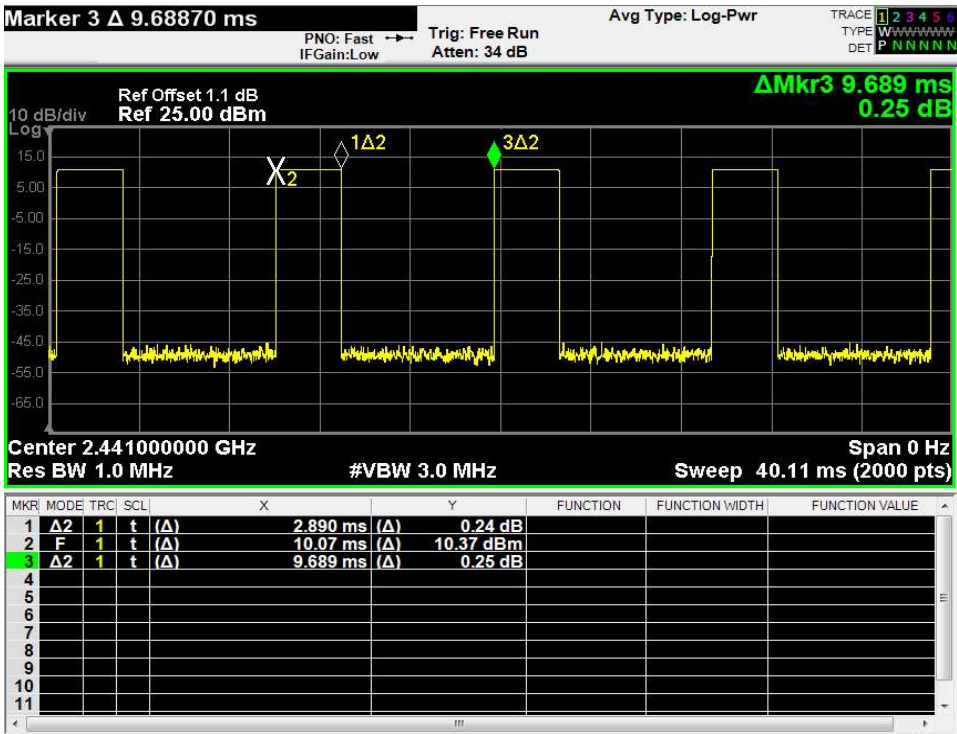
8.1.1 Bluetooth Output Power

Bluetooth-Full Power						
Test Mode	Modulation	Channel number	Frequency(MHz)	AV power (dBm)	Tune up (dBm))	SAR Test
BT	DH5	0	2402	7.47	8.00	Yes
		39	2441	7.08	8.00	Yes
		78	2480	6.61	8.00	Yes
	2DH5	0	2402	2.70	3.00	No
		39	2441	2.26	3.00	No
		78	2480	1.52	3.00	No
	BLE-1M	0	2402	5.94	7.00	No
		19	2440	5.40	7.00	No
		39	2480	5.25	7.00	No
	BLE-2M	1	2404	6.04	7.00	Yes
		19	2440	5.51	7.00	Yes
		38	2478	5.37	7.00	Yes

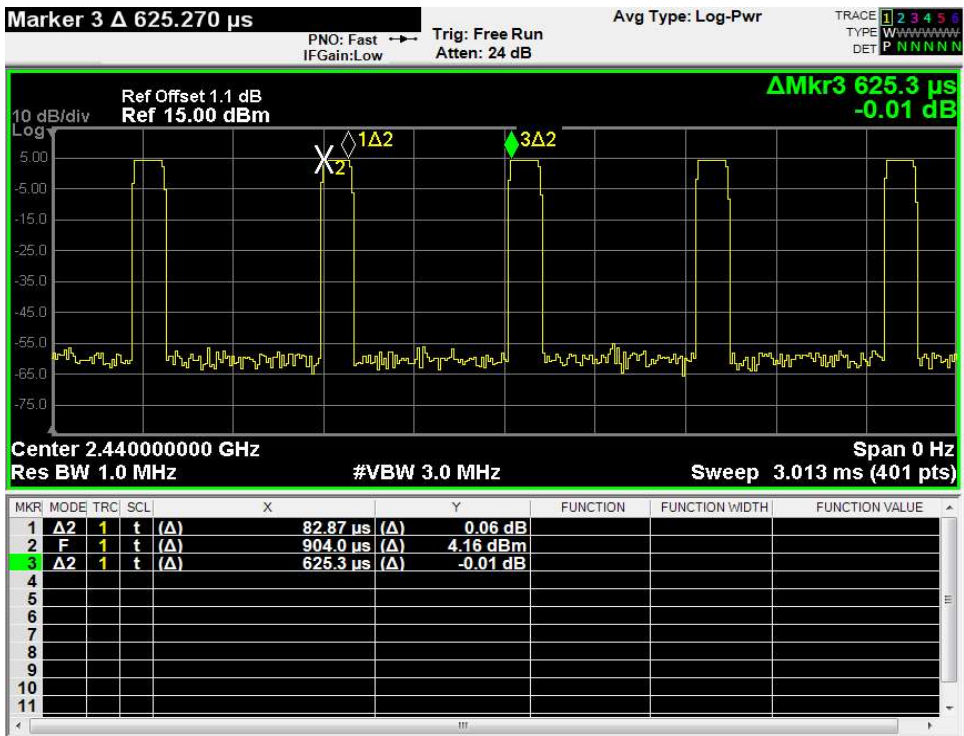
Note: Since bluetooth BR mode is the maximum output power mode, SAR measurements were performed with test software using DH5 modulation, and SAR measurement is not required for the EDR. When the secondary mode is ≤ ¼ dB higher than the primary mode.

8.1.2 Bluetooth Duty Cycle

The Bluetooth duty cycle is 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



DH5 Duty Cycle = 29.83%



BLE_2M Duty Cycle = 13.25%