

5.725GHz~5.825GHz	140	5700
	149	5745
	153	5765
	157	5785
	161	5805
	165	5825

5.3 Bluetooth Section:

Feature	Description
General Specification	
Bluetooth Standard	Bluetooth V5.0 of 1, 2 and 3 Mbps.
Host Interface	SDIO
Antenna Reference	Small antennas with 0~2 dBi peak gain
Frequency Band	2402 MHz ~ 2480 MHz
Number of Channels	BR/EDR :79 channels;BLE:40 channels
Modulation	FHSS, GFSK, DPSK, DQPSK

5.4 RF Specification

	Packet type	Channel	Spec	TX power(dBm)	DEVm RMS (%)		
					Spec	RMS	Peak
Classic/EDR Tx Power and EVM	DH5	0	0~20	7.5	/	/	/
		39		7.7	/	/	/
		78		7.5	/	/	/
	2DH5	0	0~20	5.7	20%~35%	3.4%	9.0%
		39		6.2		3.4%	7.8%
		78		6.1		3.4%	8.4%
	3DH5	0	0~20	5.7	13%~25%	3.0%	7.8%
		39		6.2		3.2%	7.5%
		78		6.1		3.1%	8.8%

BLE TX Power	Rate	Channel	Spec	Test Result
	1M	0	-20~10	3.2
		19		3.8
		39		3.7
	2M	0	-20~10	3.2
		19		3.8
		39		3.7
	LES500K	0	-20~10	3.5
		19		3.5
		39		3.5
	LES125K	0	-20~10	3.5
		19		3.5
		39		3.5

Sensitivity(dBm)				
Rate	SPEC	CH0	CH39	CH78
BR	-70dBm	-91.9	-92.5	-92.3
EDR2		-91.4	-92.3	-91.9
EDR3		-85.2	-85.9	-85.4
BT5.0	SPEC	CH0	CH19	CH39
LE1M	-70dBm	-95.0	-96.5	-95.5
LE2M	-70dBm	-92.0	-93.0	-92.5
LE500K	-75dBm	-98.0	-99.5	-98.5
LE125K	-82dBm	-103.0	-104.0	-103.5

6. Electrical Characteristics

symbol	Parameter	Minimum	Typical	Maximum	Units
VDD	3.3V supply voltage	3.0	3.3	3.6	V
VDDIO	I/O supply voltage	1.7	1.8	1.9	V
Current	3.3V rating current	--	--	1000	mA