

Sony Mobile Communications, Inc.

4-12-3 Higashi-shinagawa, Shinagawa-ku, Tokyo, 140-0002, Japan

Remarks

This document is managed in Infodoc.

Date: November 26, 2018

Antenna Specifications

1. General

The purpose of this document is to show the antenna specifications.

FCC ID PY7-50241M

Bands: LTE band 1/2/3/5/7/8/20/38

UMTS band 1/2/5/8

GSM 850/900/1800/1900

Bluetooth 2.4 G

WLAN 2.4G/5G

NFC 13.56MHz



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2. Antenna gain

2.1.1 Cellular

Frequency [MHz]	1920-1980	1850-1910	1710-1780	824-849	880-915
	band1	Band2	Band3	Band5	Band8
Peak Gain [dBi]	-0.65	0.29	0.96	-4.36	-3.50

Frequency [MHz]	791-821	2570-2620	2500-2569	
	Band20	Band38	Band7	
Peak Gain [dBi]	-4.42	0.67	0.53	

2.1.1 WLAN/Bluetooth

Frequency [MHz]	BT/WiFi	WiFi (5G ch.36_518 0 MHz)	WiFi (5G	WiFi (5G	WiFi (5G
	(2.4G)		ch.52_526	ch.120_56	ch.157_57
			0 MHz)	00 MHz)	85 MHz)
Peak Gain [dBi]	-2.79	-0.30	-0.48	-0.52	-0.45

It is the responsibility of the user to ensure that they have a correct and valid version. Any outdated hard copy is invalid and must be removed from possible use.

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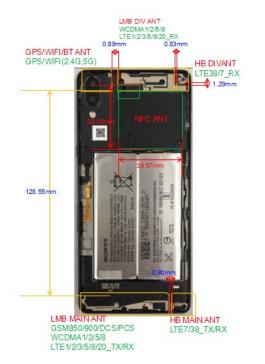
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3. Dimensions





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3.1 Antenna Type

a) LMB Main antenna: LOOP Antenna; HB Main antenna: LOOP Antenna

b) LMB Diversity antenna: LOOP Antenna; HB Diversity antenna: monopole Antenna

c) GPS/WiFi/BT antenna: IPA Antenna

d) NFC antenna: LOOP Antenna