



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

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

2.1.1 WLAN/Bluetooth

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

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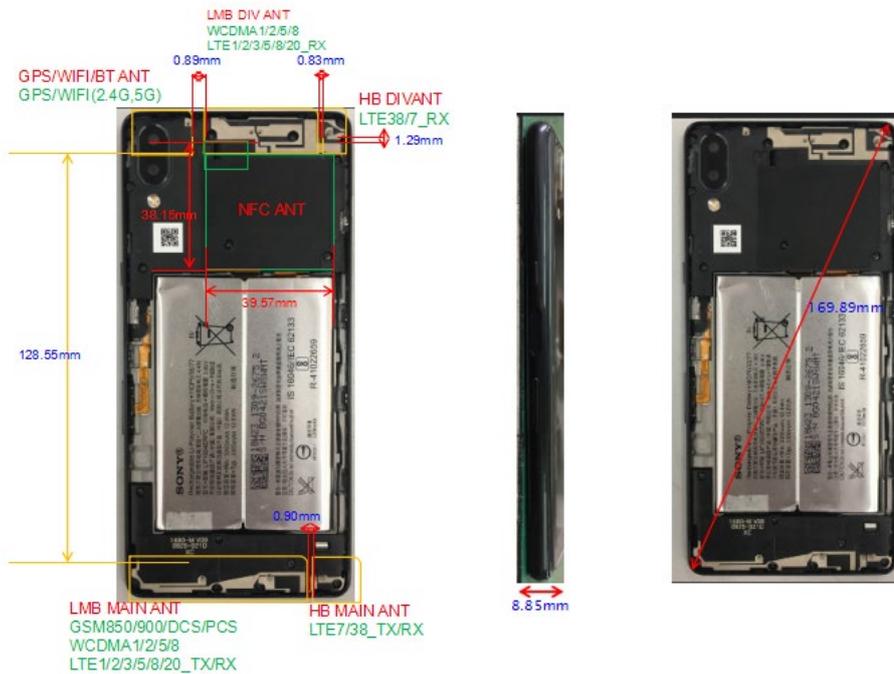
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3. Dimensions



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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