



Sony Mobile Communications, Inc.

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

Date: October 31, 2017

Antenna Specifications

1. General

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

FCC ID	PY7-67442A
--------	------------

Bands: LTE band 2/4/5/7/12/13/17/25/29/66

UMTS band 2/4/5

GSM 850/1900

Bluetooth 2.4 G

WLAN 2.4G/5G



Sony Mobile Communications, Inc.
4-12-3 Higashi-shinagawa, Shinagawa-ku, Tokyo, 140-0002, Japan

2. **Antenna gain**

2.1.1 Cellular

Frequency[MHz]	1850-1910 band2	1710-1755 band4	824-849 band5	2500-2570 Band7
Peak Gain [dBi]	-1.1 dBi	-1.3 dBi	-2.1 dBi	1.2 dBi

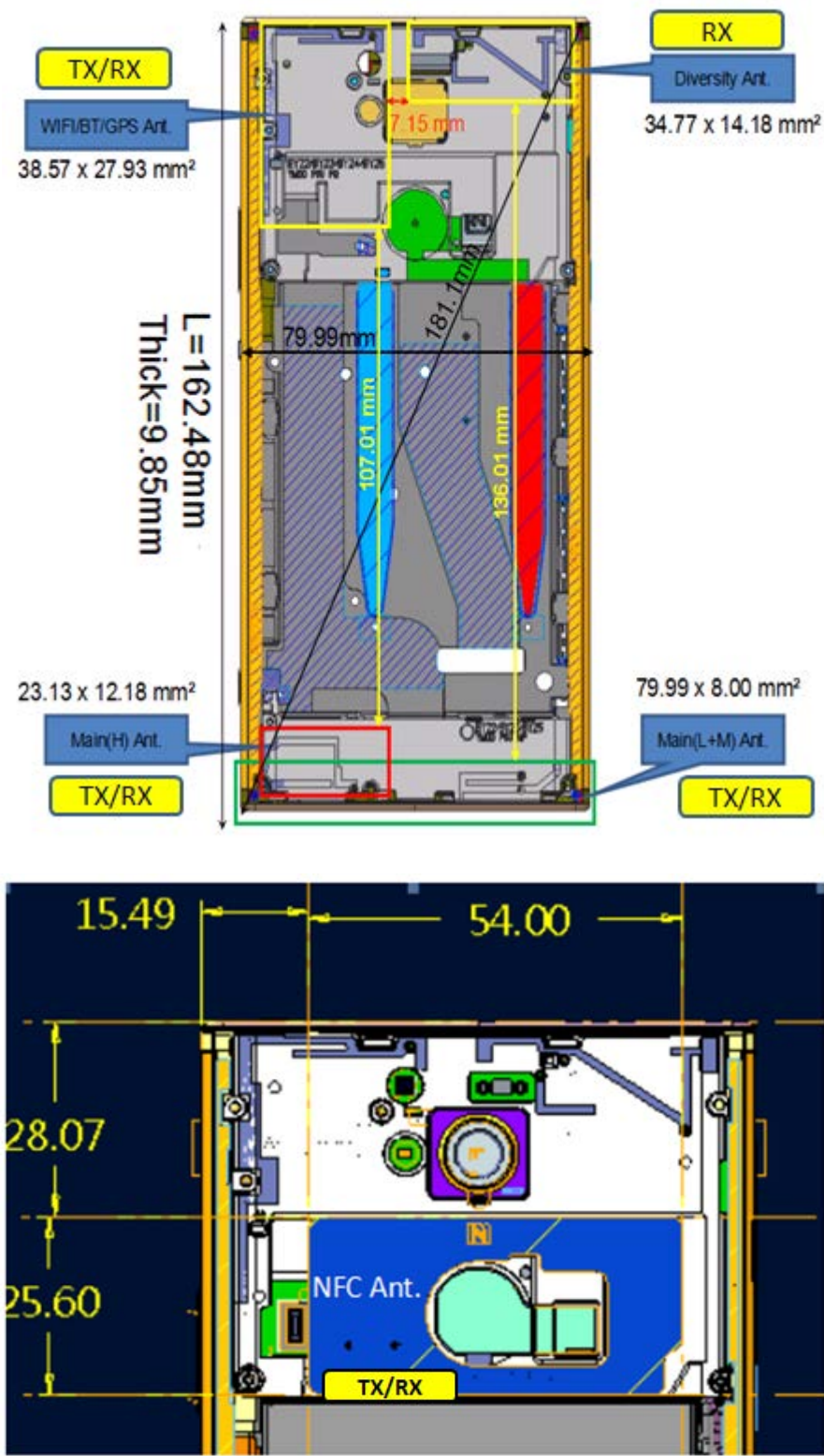
Frequency[MHz]	699-716 Band12	777-787 Band13	704-716 Band17	1850-1995 Band25
Peak Gain [dBi]	-1.5 dBi	-0.9 dBi	-1.8 dBi	-1.1 dBi

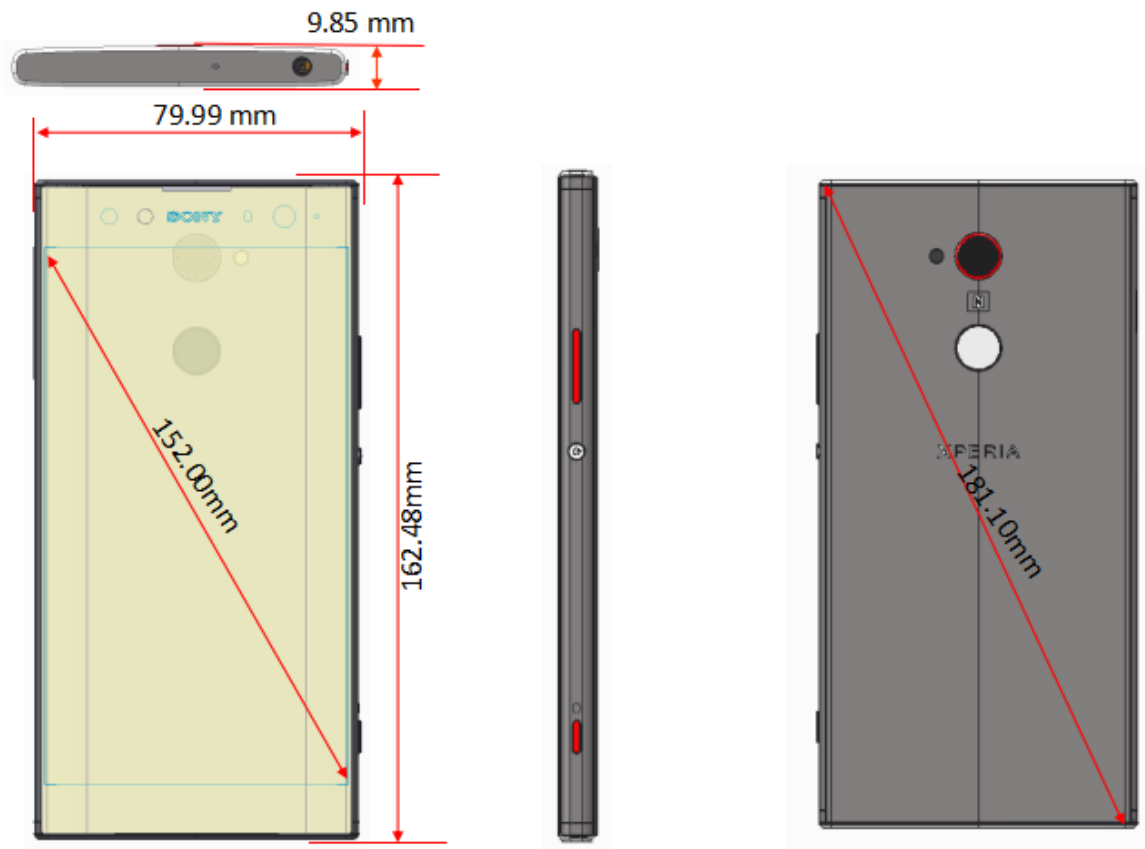
Frequency[MHz]	717-728 Band29	1710-1780 Band66
Peak Gain [dBi]	-1.3 dBi	-0.6 dBi

2.1.1 WLAN/Bluetooth

Frequency[MHz]	BT/WiFi (2.4G)	WiFi (5G ch.36_5180 MHz)	WiFi (5G ch.52_5260 MHz)	WiFi (5G ch.120_560 0 MHz)	WiFi (5G ch.157_578 5 MHz)
Peak Gain [dBi]	-1.5 dBi	-2.2 dBi	-2.6 dBi	-2.4 dBi	-2.2 dBi

3. Dimensions





NFC antenna Location and Size (in mm)

3.1 Antenna Type

- a) Main antenna - PIFA antenna
- b) Diversity antenna - PIFA antenna
- c) GPS/WiFi antenna - Mono pole antenna
- d) NFC antenna - Single Loop Antenna