

PY7-34943G Antenna Specification

Contents

1 General

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

FCC ID:

Bands:

- LTE band 4/5/41
- UMTS band 4/5
- GSM 850/1900
- Bluetooth 2.4 G
- WLAN 2.4G/5G
- GPS 1575MHz
- NFC 13.56MHz

2 Antenna gain

2.1.1 ANT0

Frequency [MHz]	600- 700	700- 800	800- 880	880- 960	1710- 1880	1880- 2200	2500- 2700
Peak Gain [dBi]	-4.04	-4.17	-3.82	-3.67	-2.41	-4.72	-2.25

ANT1

Frequency [MHz]	1920- 2200	2500- 2700
Peak Gain [dBi]	-2.22	-2.13

ANT2

Frequency [MHz]	600- 700	700- 800	800- 880	880- 960	1710- 1880	1880- 2200	2300- 2400
Peak Gain [dBi]	-6.65	-6.87	-7.18	-7.34	-1.74	-2.07	-1.63

ANT3

Frequency [MHz]	1175	3300- 4000
Peak Gain [dBi]	-6.07	-6.68

ANT4

Frequency [MHz]	2500- 2690
Peak Gain [dBi]	0.96

ANT5

Frequency	3300-
-----------	-------

[MHz]	4000
Peak Gain [dBi]	-1.92

ANT6

Frequency [MHz]	1920-2200	2500-2690	3300-4000
Peak Gain [dBi]	-13.23	-7.50	-8.40

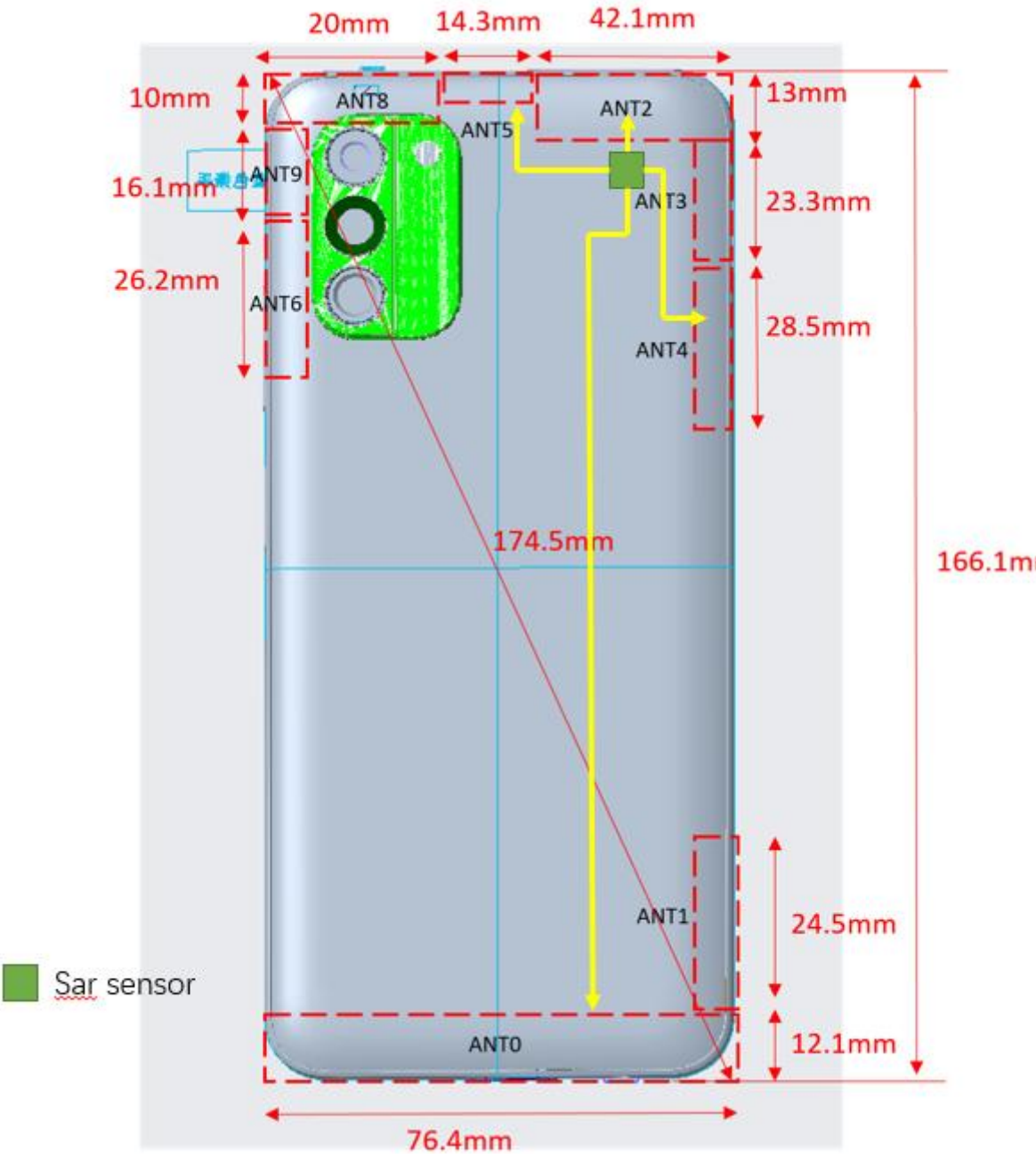
ANT8

Frequency [MHz]	1575	2400-2500
Peak Gain [dBi]	1.59	-1.21

ANT9

Frequency [MHz]	5150-5850
Peak Gain [dBi]	-1.23

3 **Antenna location**



Ref.	Antenna	Band
ANT0	LB TX+M DRX/ENDC	2G:GSM850/900 3G:W5 4G:B5/8/12/13/14/17/20/26/71 TX/PRX + B1/3/39/40 DRX+B2/4/25/66DRX/ENDC_TX+ B7/38/41DRX 5G:N5/26/71 TX/PRX+N29 PRX+N2/25/66/70 DRX+N41

		DRX
ANT1	MH DRX	4G:B7/38/41(ATT B30) DRX2+ B2/4/66 DRX2 5G:N41 DRX2+N25/66 DRX2
ANT2	LB DRX+MH TX/PRX	2G:GSM1800/1900 3G:W1/2/4 4G:B1/2/3/4/25/39/40/66TX/PRX+ B5/8/12/13/14/17/20/26/71DRX 5G:N2/25/66/70 TX/PRX+ N5/25/29/71 DRX
ANT3	UHB MIMO+GPS L5	GPS L5 5G:N77 DRX
ANT4	HB TX/PRX+UHB MIMO	4G:B7/38/41(ATT B30) TX/TRX 5G:N41TX/PRX+N77 DRX2
ANT5	UHB TX/PRX	N77 TX/PRX
ANT6	UHB MIMO+HB PRX2	4G:B41(ATT B30) /B2/4/66 PRX2 5G:N77 PRX2+N25/66/41 PRX2
ANT8	GPS L1+2.4G WiFi	GPS L1+WIFI 2.4G 11b/g/n
ANT9	5G WiFi	WIFI 5G11n/a

4 Antenna type

- a) ANT0 : FPC
- b) ANT1 : FPC
- c) ANT2 : FPC
- d) ANT3 : FPC
- e) ANT4 : FPC
- f) ANT5 : FPC
- g) ANT6 : FPC
- h) ANT8 : FPC
- i) ANT9 : FPC