

No simultaneous SAR justification

Per “648474 D01 SAR Handsets Multi Xmitter and Ant v01r02”, the EUT complies with following condition:

- 1) For RFID, the Output $\leq P_{Ref}$ and antenna is < 2.5 cm from other antennas, each with either output power $\leq P_{Ref}$ or 1-g SAR < 1.2 W/kg, so no individual SAR test required.
- 2) For licensed GSM and unlicensed WLAN & Bluetooth, the SAR to antenna separation ratio of simultaneous transmitting antenna pairs are all < 0.3

Accordingly, simultaneous Transmission SAR is not required for this EUT.

Please refer to following photos for TX separation distance and individual SAR value.

Separation distance (cm)

	GSM	WLAN	Bluetooth	RFID
GSM		3.376	2.83	1.478
WLAN	3.376		1.57	3.41
Bluetooth	2.83	1.57		2.548
RFID	1.478	3.41	2.548	

SAR value (W/kg)

Tx	Max SAR (W/kg)
GSM	0.262
WLAN	0.00172
Bluetooth	0.000006
RFID	Not required

Note: due to the low value of individual SAR and minimum separation distance of each par > 1 cm, obviously no SAR to antenna separation ratio can exceed 0.3 W/kg.

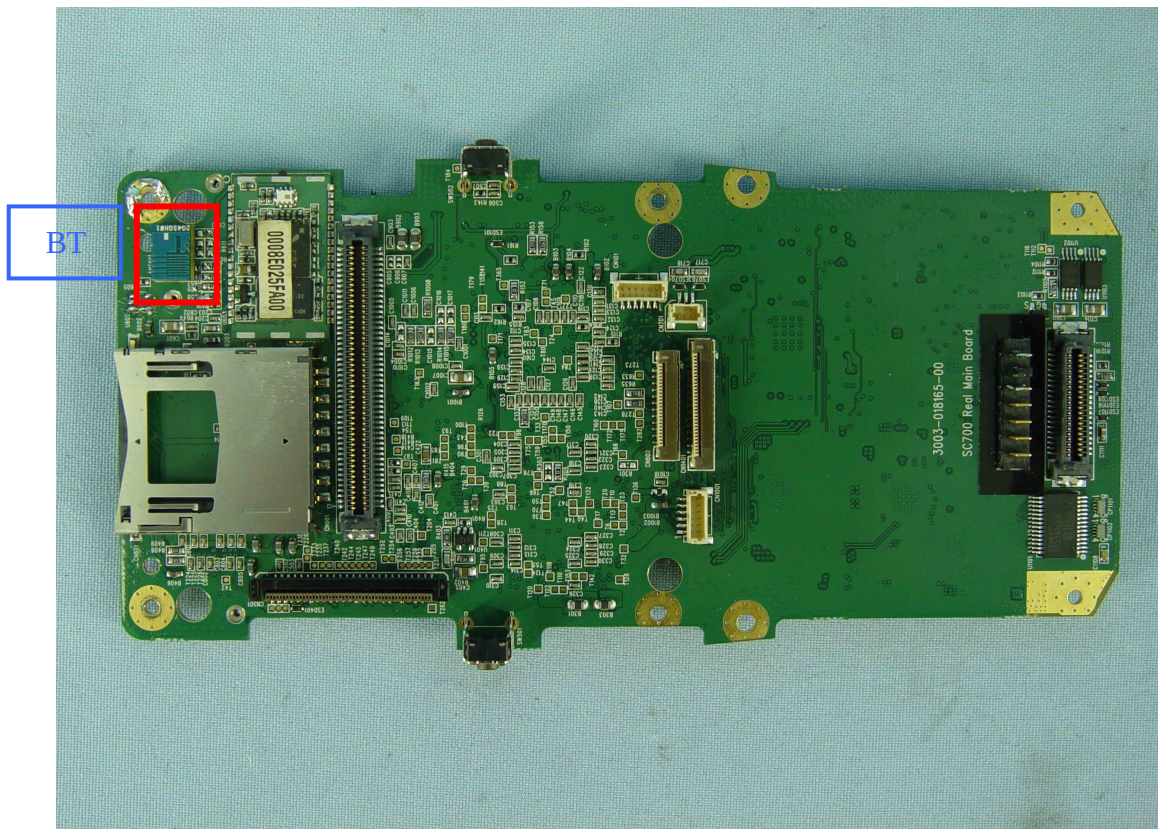
FCC ID : TQ2-SC700PDT-BWG

Antenna location

GSM / WLAN

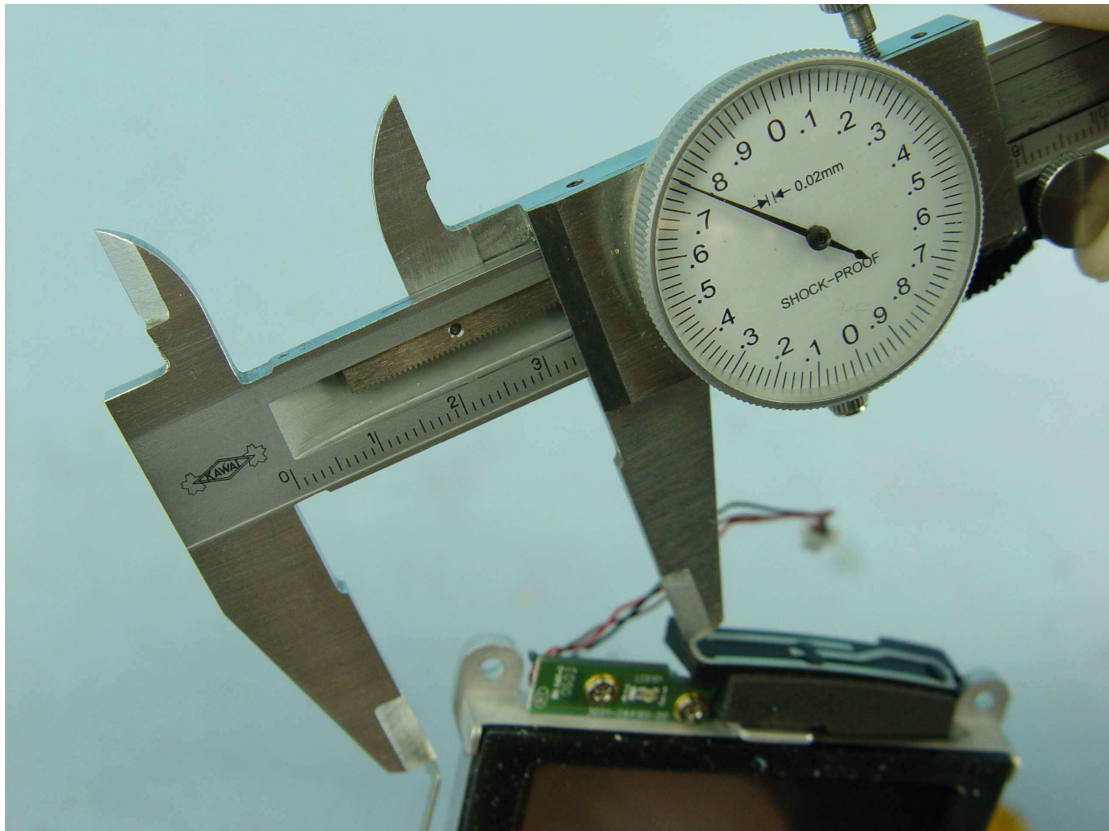


BT

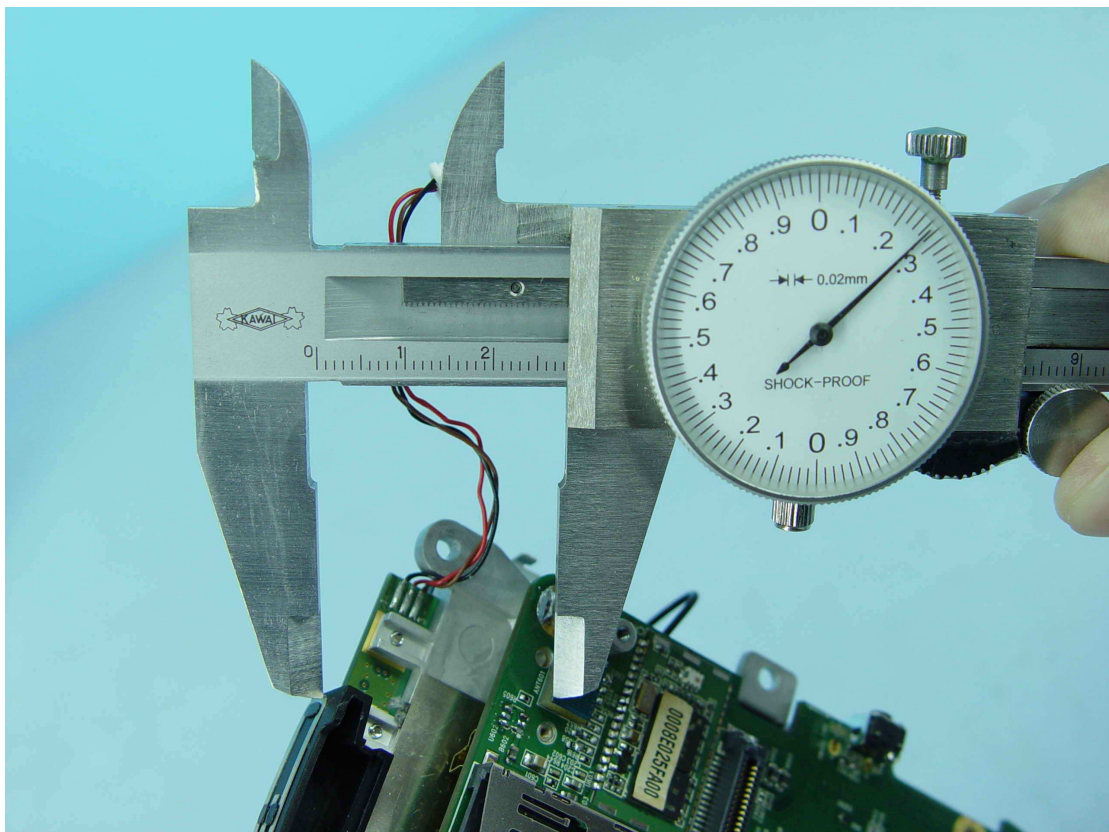


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GSM antenna V.S WLAN antenna / Distance =3.4 cm

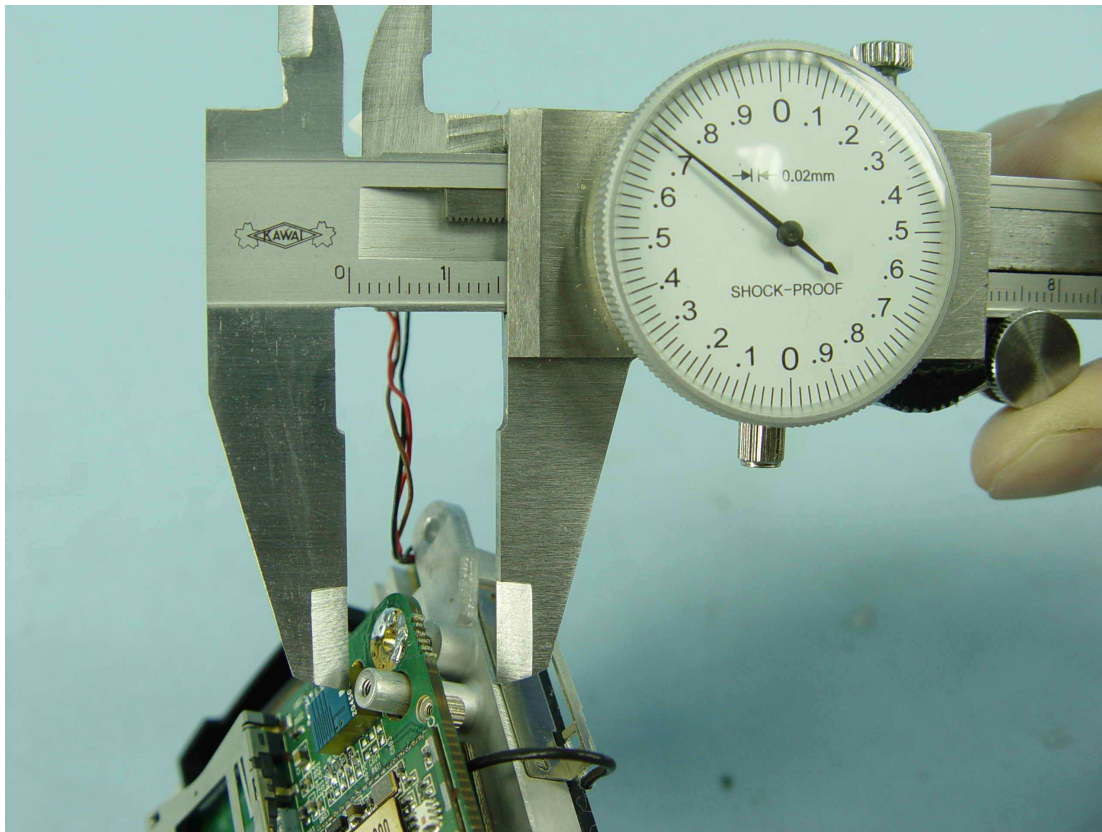


GSM antenna V.S BT antenna / Distance =2.8 cm



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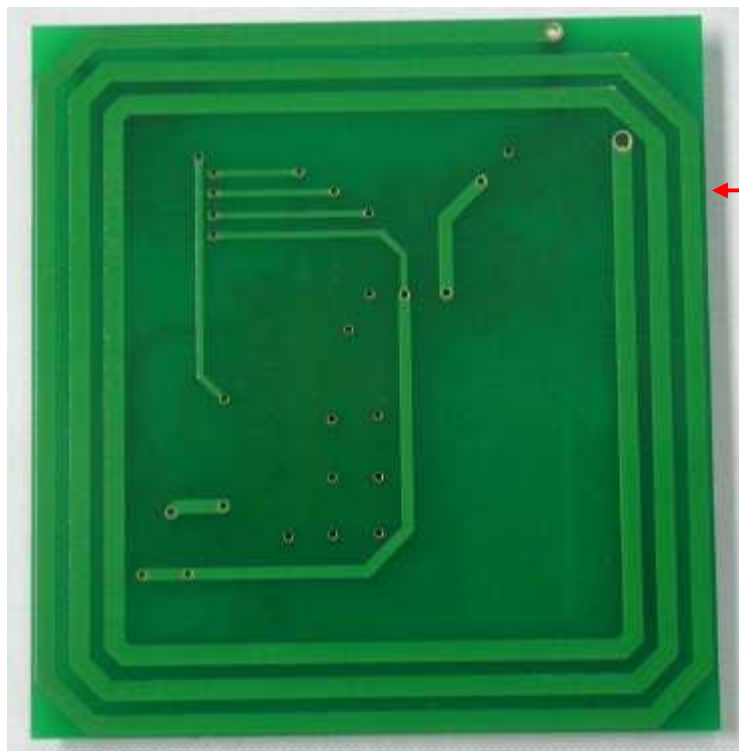
WLAN antenna V.S BT antenna / Distance =1.6 cm



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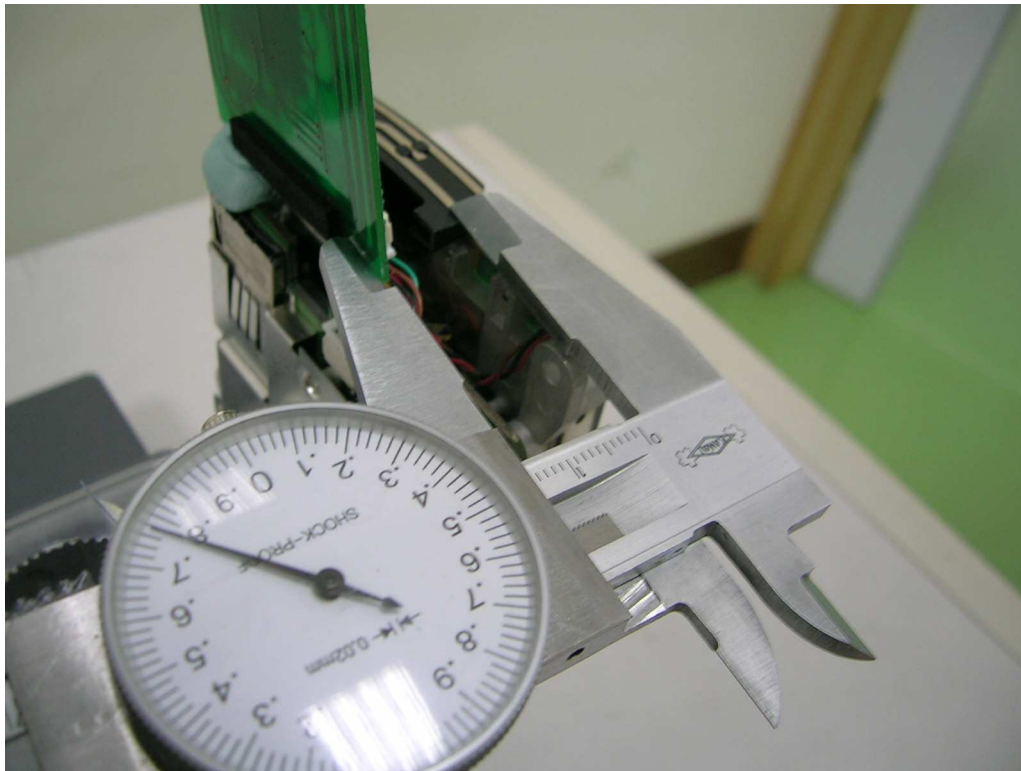
RFID Device



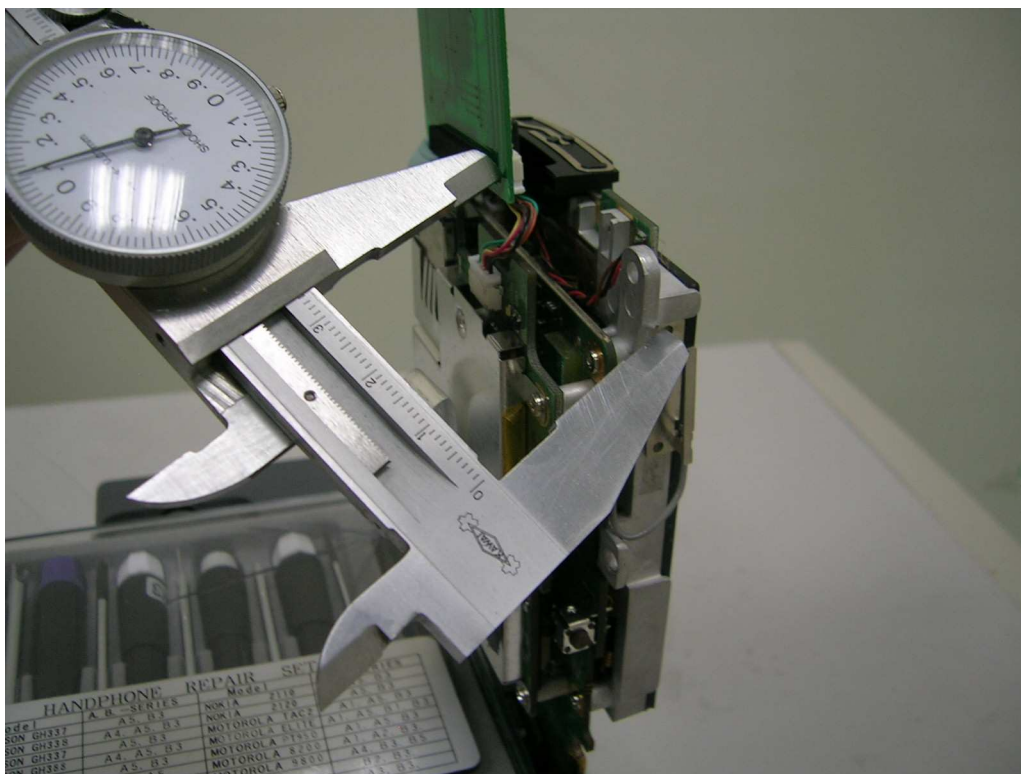
RFID antenna

RFID antenna V.S GSM antenna / Distance =1.5 cm

RFID antenna V.S GSM antenna / Distance =1.5 cm



RFID antenna V.S WLAN antenna / Distance =3.4 cm



FCC ID : TQ2-SC700PDT-BWG

RFID antenna V.S BT antenna / Distance =2.5 cm

