SONY

Sony Mobile Communications

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Application: Type number: PM-0000-BV

FCC ID: PY7PM-0000

Declaration of screwed down the output power for 5GHz WLAN

1. WLAN/BT/GNSS

Blue platform uses Qualcomm chipset "WCN3660" (1252-3140.3) which is used for BT/FM/WLAN functions. GNSS function is in RTR8600.

- Qualcomm WCN3660 is BT-WLAN Combo Package with 0.4mm pitch and around 3.805 x 3.82 sqmm dimension of the chip.
- Qualcomm EVB boards is called as MTP to evaluate the WLAN, BT performance using Qualcomm tools named as QRCT.
- 48MHz crystal is used as primary clock.
- Antenna switch is no required to achieve the coexistence of BT and WLAN
- Band Pass filter is also required for good selectivity of the signal.
- This has on chip dynamic calibration.

- WLAN 5GHz output power are screwed down to below due to Qualcomm chipset performance limitation.

	Maximum allowed power by FCC	Actual maximum power 11a/11nHT20/11nHT40
5.15-5.25GHz	40mW	10/7.94/6.31mW
5.25-5.35GHz	200mW	10/7.94/6.31mW
5.725-5.825GHz	800mW	10/7.94/6.31mW

- There is no function to control the WLAN output power in all conditions (802.11a/b/g/n), so power are same (will not be changed) in all countries.
- Hot spot is supported in 2.4GHz only and is not supported in 5GHz.