RF comparative power measurements for EUT variant: ST21a and Model: ST21i

SAR report for ST21a, FCC ID: PY7PM-0120 is used to demonstrate compliance for the variant ST21i, FCC ID: PY7PM-0130, as both variants use the same form factor and the RF modules and antennas types are identical. As per FCC KDB publication 648474 Simultaneous transmission condition for SAR evaluation was not required for the transmitters in ST21a.

ST21a hosts has the same operating configurations and exposure conditions, with only minor configuration and construction differences as detailed in the customer attestation document titled “FCC ID ST21i_Variant Attestation Statement”. The most conservative exposure conditions amongst all host configurations within the platform were fully tested using procedures in KDB publication 447498 and 648474.

To ensure the devices (ST21i and ST21a) SAR are comparable the maximum average output power (average ERP/EIRP) for ST21i was compared with ST21a. The maximum recorded deviation for any technology was found to be < 1dB which is accountable by tolerance of radiated measurements uncertainty.

Maximum average power measurement table for ST21i and ST21a:

Technology	FCC Rule Part	ST21i Max Average Power (dBm)	ST21a Max Average Power (dBm)
GSM850	Part 22	32.10*	32.40*
GPRS850		32.10*	32.40*
EDGE850		27.00*	26.80*
GSM1900	Part24	28.90**	29.80**
GPRS1900		30.50**	29.80**
EDGE1900		27.10**	26.10**

Note:

**ERP*

***EIRP*

I confirm that the information in the above table is as per test report submitted by customer: Sony Mobile Communications AB.

Reviewer:

Richelieu Quoi

RFI Global Services Ltd

Pavilion A, Ashwood Park, Ashwood Way, Basingstoke, Hampshire, RG23 8BG
Tel: +44 (0) 1256 312000 Fax: +44 (0) 1256 312001
Email: info@rfi-global.com Website: www.rfi-global.com

Registered in England and Wales Company number: 2117901