



## UMS Charge Code Form – Signals and Miscellaneous

ALL APPLICATIONS ARE SUBJECT TO INDUSTRY APPROVAL. IF AN APPLICATION IS LARGE OR CONTENTIOUS, THE APPROVAL PROCESS IS ALSO LIKELY TO TAKE LONGER.

**Company Name:** Samsung Electronics UK Ltd

**Contact Name:** Dr. Stuart Mitchell

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Please complete all of the questions below using the Guidance Notes supplied as a separate attachment. All fields are mandatory.

### Your Test Data and Supporting Evidence

**\*Please place a cross against all completed steps and attach relevant documents to your email.**

<b>1</b>	Has your equipment been tested by an ISO 17025 accredited test house?	✓
<b>2</b>	Have you included evidence of the test house's accreditation?	✓
<b>3</b>	Have you included test data for your equipment that meets the requirements outlined in the Guidance Notes below?	✓
<b>4</b>	Have you included a product specification and a photo of your equipment?	✓

### Your Product

		Details
<b>5</b>	What type of equipment are you submitting an application for?	Code: 846 Category: Miscellaneous Equipment Unit Description 1: Radio Transmitter Unit Description 2: Mobile Network Base Station Company: Samsung Electronics Manufacturer's Designation: SOF50 Outdoor Small Cell
<b>6</b>	What is the nominal wattage of your equipment?	110 Watts

		Details
7	How does the equipment operate?	<p>The Samsung SOF50 Outdoor Small Cell provides a 4G wireless interface in accordance with the global LTE standard, providing subscribers with wireless communications services.</p> <p>The equipment transmits and receives wireless signals to and from users' equipment (UE) and handsets. The SOF50 also provides an interface back to the Mobile Network Operator's core infrastructure (backbone) and from there to the public communications network and the internet.</p> <p>The main function of the SOF50 is to set-up and manage calls ensuring that the coverage, quality and capacity are delivered according to the operators plans and requirements.</p> <p>The SOF50 unit is designed to be deployed on buildings and street furniture in order to be physically closer to subscribers. This means the service can be delivered with lower signal power and that network capacity can be targeted to areas where demand is high or where the current coverage is poor.</p> <p>The power consumption of the SOF50 is variable depending upon the amount of communications traffic being carried by the unit, known as the traffic load. Typically the traffic load varies throughout the day, however the daily pattern is essentially consistent and repeatable.</p> <p>The power consumption of the SOF50 unit has been independently tested at 0% load (idle-mode) and 100% load (full-load) to indicate the operating range. A separate letter is provided describing the typical daily load fluctuation in the expectation that it can be used to provide an estimate of the average power consumption of the SOF50 for the purposes of generating the charge code.</p>
8	What is the product's name or model number?	<p>Product: Outdoor Small Cell</p> <p>Type: SOF50</p> <p>Model: SLS-BP00CJ</p>
9	Is your company the manufacturer of this product?	YES