

SSPA Redundancy System

5588/5589

SPECIFICATIONS

RF SWITCHING

C-Band RF switching

Frequency range	5.850 to 6.425 GHz
Switch loss to on-line output	
SSPA output switch	0.1 dB maximum
SSPA input switch	0.5 dB maximum
Switch loss to off-line output	
SSPA output switch	80 dB maximum
SSPA input switch	60 dB maximum
Impedance (N-type switch)	50 Ω
VSWR	
SSPA output switch	1.1:1 maximum
SSPA input switch	1.3:1 maximum
Connectors	
SSPA output switch	CPR137G flange, M5 threads
SSPA input switch	N female

Ku-Band RF switching

Frequency range	14.0 to 14.5 GHz
Switch loss to on-line output	
SSPA output switch	0.1 dB maximum
SSPA input switch	0.5 dB maximum
Switch loss to off-line output	
SSPA output switch	70 dB maximum
SSPA input switch	50 dB maximum
Impedance (SMA switch)	50 Ω
VSWR	
SSPA output switch	1.1:1 maximum
SSPA input switch	1.3:1 maximum
Connectors	
SSPA output switch	WR75 flange, M4 threads
SSPA input switch	SMA female

SWITCHING AND CONTROL

Switching

Operating modes	Auto/manual
Switch-over time	1 s maximum

Monitor and control

(The remote interface facilities listed are available at both the SSPA Redundancy Interface Unit 5588 and the SSPA Redundancy Monitor 5589)

Controls (5589 only)	Auto/SSPA 1/SSPA 2 SSPA mute/unmute Alarm clear
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Indicators (5589 only)

Remote interface outputs
(5588 and 5589)

Remote interface inputs
(5588 and 5589)

Power supply

Voltage
5588

5589

Power consumption

Environmental

Operating temperature range

5588

5589

Relative humidity

5588

5589

Weatherproofing

5588

5589

Mechanical

Size

5588

5589

Weight

5588

5589

WR137/N switch

WR75/SMA switch

Power

SSPA 1, SSPA 2 selected

System alarm

SSPA 1 alarm, SSPA 2 alarm

SSPA 1 alarm, SSPA 2 alarm

SSPA selected

System alarm

SSPA RS485 serial data outputs

SSPA mute

Force SSPA 1, force SSPA 2

SSPA RS485 serial data inputs

13 V DC, two inputs, powered from both SSPAs

13 V DC, powered from 5588

5 W nominal

-40°C to +55°C

-10°C to +50°C

100%

10% to 95% non-condensing

Sealed to IP65

Unsealed, indoor mounting only

200 mm W x 58 mm D x 121 mm H

Standard 19" rack (1RU)

482 mm W x 70 mm D x 44 mm H

1.0 kg

0.5 kg

1.0 kg

0.9 kg

Specifications subject to change without notice or obligation

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12-20141-EN Issue 1: 10/04

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