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SPECIFICATION FOR DPD-MCPA

MODEL: DPDA-4060R

| PARAMETERS | SPEC. |
|--|--|
| FREQ. RANGE | 2110-2130 MHz 2130-2150 MHz 2150-2170 MHz |
| OPERATING BANDWIDTH | 20 MHz |
| INPUT SIGNAL TYPE | Digital IF / Base Band / Analog IF RF |
| ANALOG IF POWER LEVEL | -5dBm |
| INPUT SIGNAL ACLR | >58dBc |
| INPUT SIGNAL PAPR | <10dB |
| GAIN | 55 dB |
| GAIN FLATNESS | 0.4 dB Over any 20 MHz |
| GAIN Vs TEMP. | ±1.0 dB |
| INPUT DIGITAL MATCHING | LVDS / 50ohm |
| INPUT / OUTPUT VSWR | 1.4:1 |
| INPUT DYNAMIC RANGE | 15 dB to 20 dB |
| EVM | 7% |
| W-CDMA 4 FA | 60 W |
| ACLR AT ±5.0 MHz P _{out} =60 W 4 W-CDMA Carriers | -48 dBc Channel Integration B.W: 3.84 MHz |
| ACLR AT ±10.0 MHz P _{out} =60 W 4 W-CDMA Carriers | -52 dBc Channel Integration B.W: 3.84 MHz |
| SPECTRUM EMISSION MASK 60 W 4 CARRIER | PER 3GPP TS-25.141 |
| ±2.5 MHz | -14 dBm / 30 KHz |
| ±3.5 MHz | -26 dBm / 30 KHz |
| ±4.0 MHz | -26 dBm / 30 KHz |
| ±8.0 MHz | -13 dBm / 1 MHz |
| SUPPLY VOLTAGE | 27 V ± 1 V 24 V to 28 V With degradation of performance |
| SUPPLY CURRENT | 17 A (P _o =60 W; 16A D.G) |
| ALARMS & STATUS | TBD with end user |
| OPERATING TEMP. RANGE | -30°C ÷ +60°C AMBIENT |
| STORAGE TEMP. RANGE | -40°C- +85°C |
| TYPE | DIGITAL PRE-DISTORTION |