

To: David Chernomordik ITS/ES-Mpk
Subject: RE: FCC ID: HZB-U53-45 Compliance with 15.31(e)
David:

Thank you for the output power information. Your suggested DC supply range test should be fine.

Thanks,
Roland

-----Original Message-----

From: David Chernomordik ITS/ES-Mpk
Sent: Friday, May 11, 2001 8:17 PM
To: Roland Gubisch ITS/ES-Box
Subject: RE: FCC ID: HZB-U53-45 Compliance with 15.31(e)

Roland

The radiated emission was measured when the output power was set to maximum:

Low channel: 5275 MHz: 88.5 mW, 19.5 dBm
High Channel: 5325 MHz: 83.0 mW, 19.2 dBm

For AC line conducted emission the equipment was powered with 48V DC.
As the specification for the input DC voltage range is +/- 20 - +/- 63 Vdc, we are going to do additional test for 20 V and 63 V. Is this OK?

Thanks

david

-----Original Message-----

From: Roland Gubisch ITS/ES-Box
Sent: Friday, May 11, 2001 12:06 PM
To: David Chernomordik ITS/ES-Mpk
Subject: FW: FCC ID: HZB-U53-45 Compliance with 15.31(e)
Importance: High

David:

Another question: at what transmitter output power were the spurious emissions > 1 GHz reported in the test report? The narrowest margin of compliance appears to be -9.1 dB at 21 GHz, roughly the 3rd harmonic of the fundamental. Is there any evidence that this emission will/will not change with output power?

Thanks,
Roland

-----Original Message-----

From: Roland Gubisch ITS/ES-Box
Sent: Friday, May 11, 2001 10:50 AM
To: David Chernomordik ITS/ES-Mpk
Subject: FCC ID: HZB-U53-45 Compliance with 15.31(e)
Importance: High

David:

Did you perform any testing on this Western Multiplex 15E product to assure compliance of fundamental emission strength with line voltage variations per 15.31(e)?

Thanks,
Roland