

From: Tom Cokenias [trephonc@macconnect.com]
Sent: Monday, October 23, 2000 5:44 PM
To: Mike Kuo
Subject: RE: Cisco attachments

Mike,

I sent this to Frank Coperich in April:

I tested the item described below. There were some results that were different than I predicted, but I hope the situation is still class 2 permissive change.

The two changes made: (1) RF amplifier transistors were from a second mfr, and (2) the LO's were shifted 6 MHz. The 3 MHz and 1.5 MHz

Test results indicated the following output powers:

P out, 6 MHz wide channel:	33.5 dBm	Original submission:	34.5 dBm
Pout, 3 MHz wide channel:	36.8 dBm	Original submission:	
	not performed		
Pout, 1.5 MHz wide channel:	38.8 dBm	Original submission:	
	not performed		

This is a Part 21 device where the limit is specified as 33 dBW EIRP. The power output level is programmable and will be set to accommodate the antennas used.

Please let me know at your earliest convenience whether you still consider the change as a class 2 permissive change. We would like to submit application this week.

His verbal response about two months ago was this is ok, only bandwidth is changing and the power spectral density can vary. Total maximum output power change is 1.2 dB, which is within TX tolerance.

Also, MMDS rules limit EIRP, not power, to 33 dBW EIRP (63 dBm EIRP). Output power is adjusted to the antenna. Based on this and verbal input from Frank Coperich, this allows class 2 permissive change and the increase in power prohibition does not apply.

Best regards

Tom

>Dear Tom:

>

>If there is change in RF output power, New FCC ID number is required. Do
>you have any confirmation from FCC say otherwise ?

>

>M.Kuo

>

>-----Original Message-----

>From: Tom Cokenias [mailto:trephonc@macconnect.com]

>Sent: Monday, October 23, 2000 3:28 PM

>To: Mike Kuo

>Subject: RE: Cisco attachments

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>

>

>Here you go Mike

>

>best regards

>

>Tom

>

> >Dear Tom:
> >
> >Please provide a statement to explain the reasons for Class II permissive
> >change.
> >
> >M.Kuo
> >
> >-----Original Message-----
> >From: Tom Cokenias [mailto:trephonc@macconnect.com]
> >Sent: Monday, October 23, 2000 2:12 PM
> >To: mkuo@ccsemc.com
> >Subject: Cisco attachments
> >
> >
> >
> >Mike
> >
> >This is a class 2 permissive change - do you also need the user
> >manual - it's same as the previous one, they are making some minor
> >changes not ready yet
> >
> >thanks
> >
> >tom