

Antenna Mounting Description

The instant application proposes to combine the proposed KOTB FM2 booster onto the same antenna as the contemporaneously proposed facilities of KEGA FM3 Salt Lake City, UT (286C), and KPEB FM2 Salt Lake City, UT (276C). The diagrams on pages 2 and 3 of this exhibit illustrate how the proposed combined antenna will be mounted on the tower in relation to where the currently existing and licensed KEGA FM3 single station antenna is located and where other stations' directional antenna structures are licensed or permitted on the tower are located.

<u>ANTENNA</u>	<u>AGL</u>	<u>AZIMUTH</u>	<u>POWER</u>	<u>FREQ(S)</u>
<u>EXISTING:</u>				
Scala HDCA5-CP	11 meters	0 degrees	.090 kW	103.9 mHz
Scala CA-2CP:	23 meters	80 degrees	.099 kW	102.3 mHz
Jampro JCPD-1/2(1)	27 meters	200 degrees	.400 kW	107.9 mHz
<u>TO BE REMOVED:</u>				
Shively 6016	29 meters	140 degrees	.500 kW	101.5 mHz
<u>TO BE INSTALLED:</u>				
Jampro JCPD-1/2(2)	29 meters	137 degrees	.560 kW	101.5, 103.1, 106.1 mHz

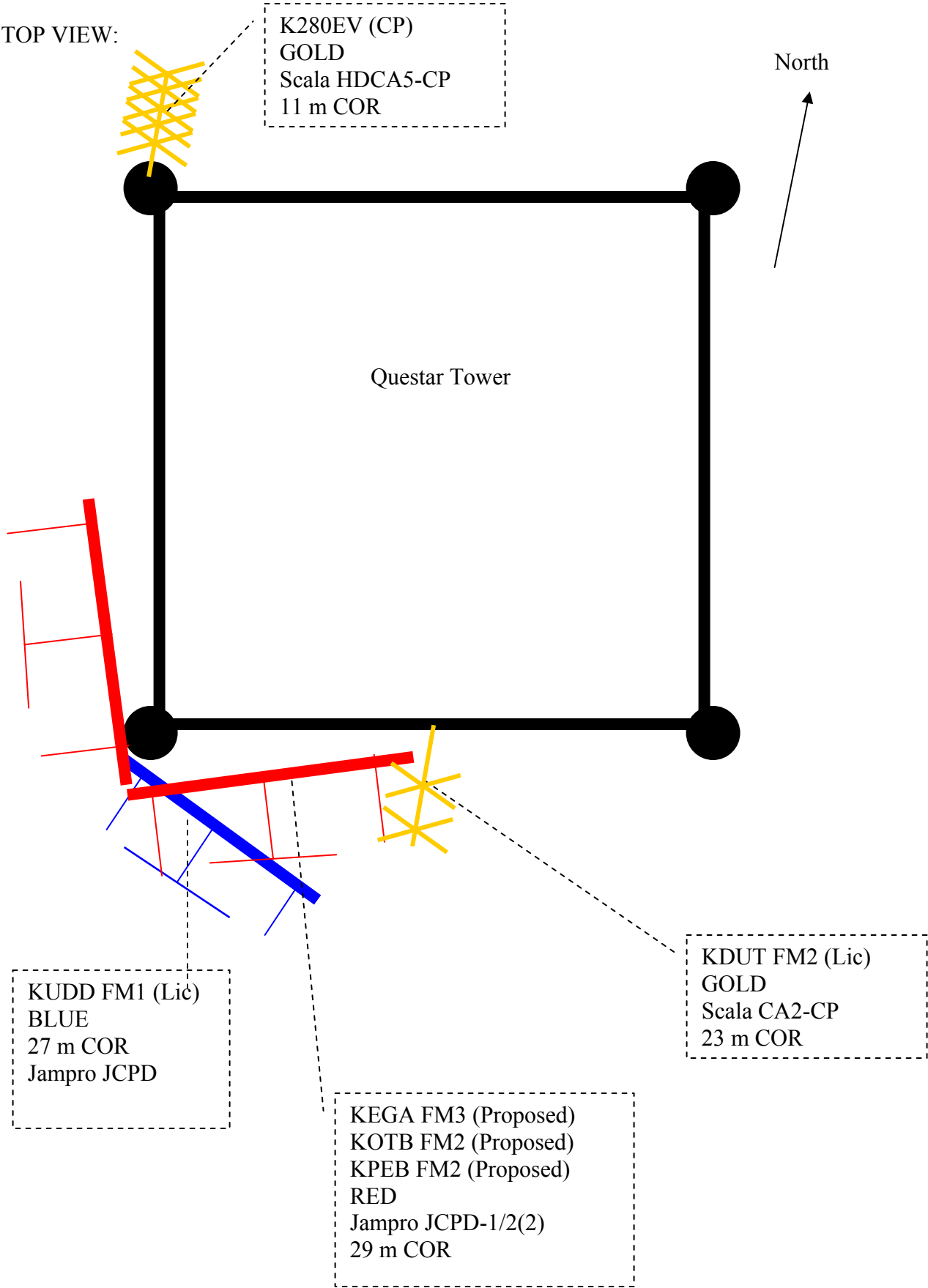
Again, the existing KEGA single station antenna will be removed from the tower in order to make way for the proposed KOTB/KPEB/KEGA combined antenna. However, the route and size of the feed line coming up the tower to feed the proposed KOTB/KPEB/KEGA combined antenna will not change from what is currently feeding the KEGA single station antenna except in the immediate vicinity of the antenna where the feed line will connect to the new combined antenna at the 29 meter AGL level near the southwest leg of the tower instead of the single station antenna on the southeast leg. Since the feed line passing through the apertures of the antenna structures mounted below the proposed combined antenna will not change in any way, the proposed change will not detrimentally affect the azimuth patterns of the permitted K280EV Scala HDCA5-CP antenna mounted 18 meters below the proposed combined antenna or the licensed KDUT FM2 Scala CA2-CP antenna mounted 6 meters below the proposed combined antenna.

Because of the close proximity of the proposed Jampro combined antenna with that of the licensed KUDD FM1 Jampro antenna (mounted 2 meters apart vertically), the applicant has requested that the manufacturer (Jampro) examine the affects, if any, that the KUDD FM1 antenna would have on the proposed KOTB/KPEB/KEGA antenna, and vice-versa. The letter from Jampro stating that the two antenna structures can co-exist is included later in this exhibit on page 4.

Finally, the applicant has also attached the letter the Scala provided in February, 2003, stating that the CA2-CP antenna utilized by KDUT (formerly KWKD) will not be detrimentally affected by the KUDD Jampro Antenna or the KEGA (formerly KPKK) Shively Antenna which currently exist. Since

no feed lines passing through the aperture of the KDUT antenna will change as a result of the instant proposal, the letter remains valid.

TOP VIEW:



SOUTH
TOWER FACE
WIDTH 3.05 m

KEGA/KPEB/KOTB
PROPOSED

29 m COR
Jampro JCPD-1/2(2)
101.5, 103.1, 106.1

KEGA (Licensed)
EXISTING (to be removed)

29 m COR
Shively 6016 panel
101.5

KUDD
27 m COR
EXISTING

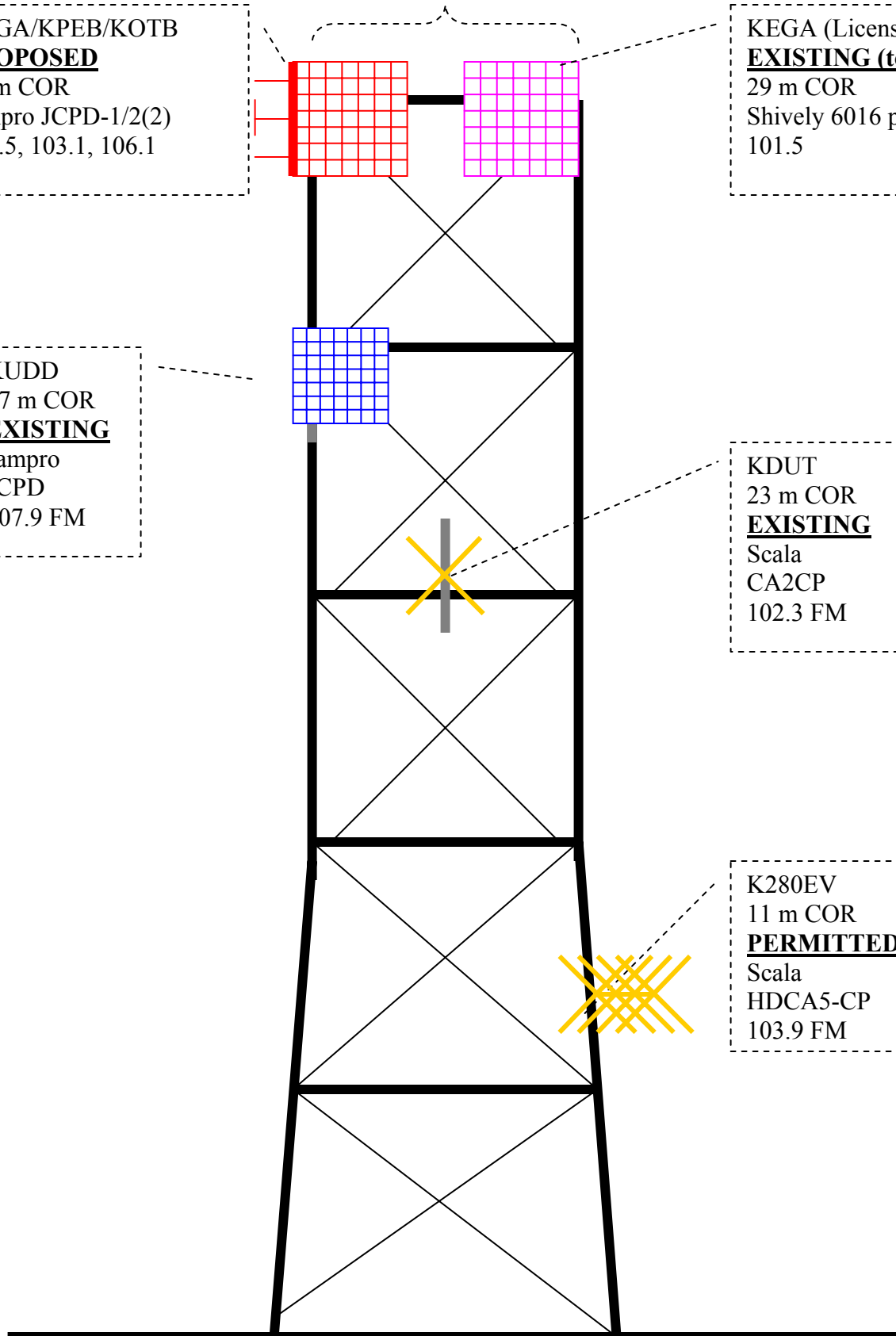
Jampro
JCPD
107.9 FM

KDUT
23 m COR
EXISTING

Scala
CA2CP
102.3 FM

K280EV
11 m COR
PERMITTED

Scala
HDCA5-CP
103.9 FM





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Sacramento, CA 95826
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Fx: 916-383-1182

August 18, 2004

Scot Mathews
Simmons Media Group
57 West S. Temple, Ste. 700
Salt Lake City, UT 84101

Re: Salt Lake City

Dear Scot:

We have reviewed the information describing how the Jampro FM JCPD panel antenna KPEB (103.1 MHz) will be mounted above to another Jampro FM JCPD panel KUDD (107.9). The JCPD for KPEB being mounted on the same tower above than the existing KUDD panel antenna should have negligible effects if any on the directional azimuth pattern as the transmission line size is the same and a diplexed on a multi-user antenna with KEGA (101.5) and KOTB (106.1 MHz).

Furthermore, the two JCPD panel antennas should not affect the pattern of either since there is a vertical separation from each other. While we expect negligible effects Jampro cannot warrant or guarantee that such effects might not occur.

In addition, Jampro recommends the use of band pass filters in each transmission system to guarantee there are no spurious emissions being generated from this site.

Regards,

Greg Montano
Domestic Sales
Jampro Antennas, Inc.
greg@jampro.com

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KATHREIN
SCALA DIVISION

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February 6, 2003

Mr. Kevin Terry
Director of Engineering
Millcreek Broadcasting
Fax: (801) 412-6041

Ref: Questar Tower, Salt Lake City, Utah

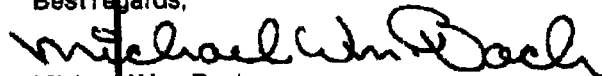
Dear Mr. Terry,

Having reviewed your mechanical drawings and technical brief of the proposed installation of booster antennas for KUDD (Jampro antenna), KPKK (Shively antenna) and KWKD (Kathrein Scala antenna), I conclude the following: Sufficient spacing has been allowed to prevent any significant distortion to the directional radiation pattern of the Kathrein Scala CA2-FM/CP antenna by any of the aforementioned antennas.

This opinion carries no performance guarantee and is based solely on the data provided by Millcreek Broadcasting and the practical experience of our sales engineers. It is by no means a comprehensive analysis and Kathrein Scala Division recommends Millcreek Broadcasting to engage the services of a qualified communications consulting firm for a definitive evaluation. The furnished data has not been verified by Kathrein Scala Division for completeness or accuracy.

Please feel free to contact me if you need further assistance.

Best regards,



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