

MST-ISR-EEJ July 2015 Campaign Report

This is an analysis of RTIs during MST-ISR-EEJ campaign from July 7 to July 10, 2015. We show the RTIs and results.

MST-ISR-EEJ:

July, 07:

_ Start the campaign from 09:20 hours.

_ At 14 hours, 40 minutes lost of data due to transmitter.

_ % Operation/14h: 87.5

Log:

_ 07 Jul 11:15 Start campaign.

_ 07 Jul 12:00 External Interference

_ 07 Jul 14:55 Transmitter off during 40 min. A bad connection in Ues was found.

Staff in charge

07-20: I. Manay. 20-24: A. Valdez.

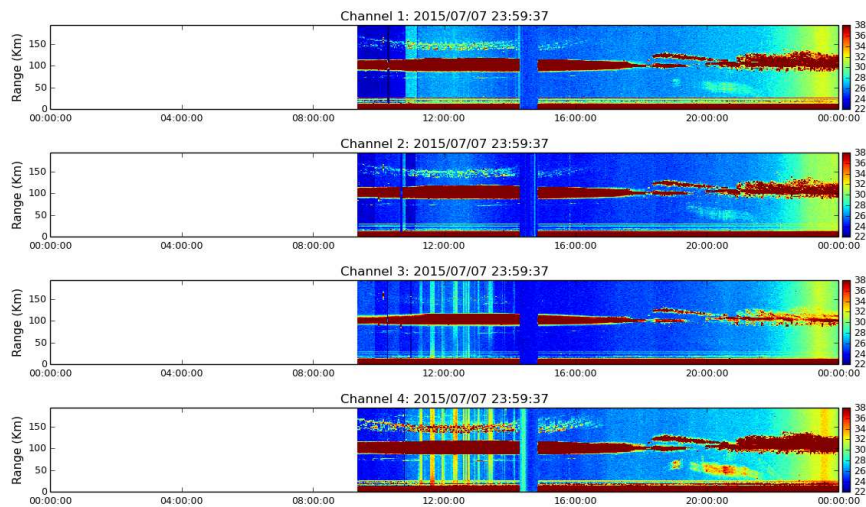


Figure 1.Rti MST 2015-07-07.

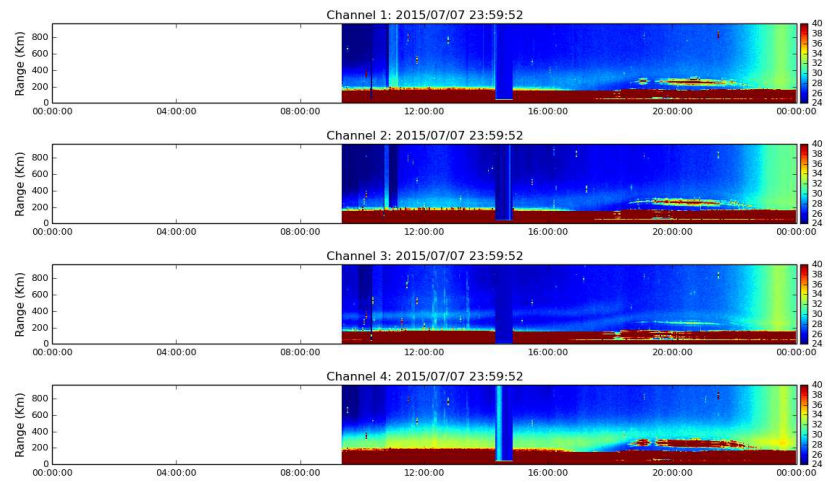


Figure 2. Rti ISR 2015-07-07.

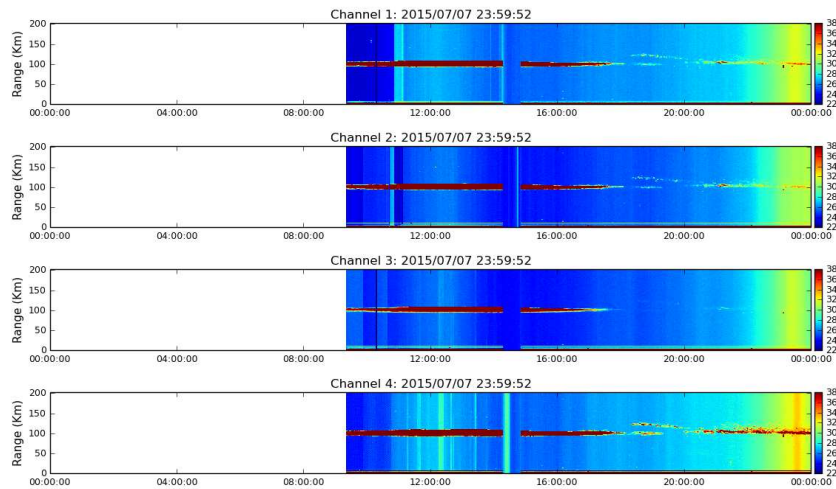


Figure 3. RTI EEJ 2015-07-07.

July, 08:

- _ Interferences viewed from 11:00 to 16:00 hours.
- _ At 08:30 restart of JARS.
- _ At 13:58 hours lost of 20 minutes of data due to change of Hard disks acquisition system.
- _ At 15:30 hours lost of data due to transmitter.
- _ % operation/24h: 97.2

Log:

- _ 08 Jul 08:30 Restart of JARS
- _ 08 Jul 13:58 Change of Hard disk in JARS.
- _ 08 Jul 15:30 Transmitter off to check of lines.

Staff in charge:

00-08: A. Valdez. 08-20: A. Belleza. 20-24: M. Urco.

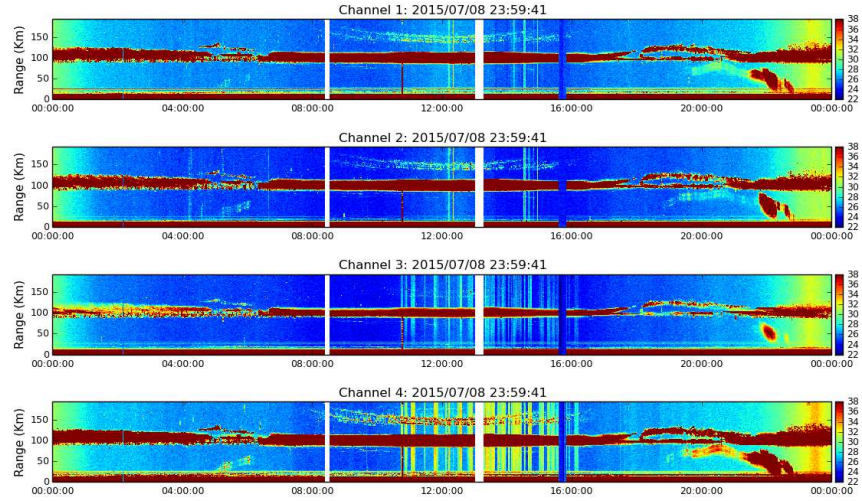


Figure 4. Rti MST 2015-07-08.

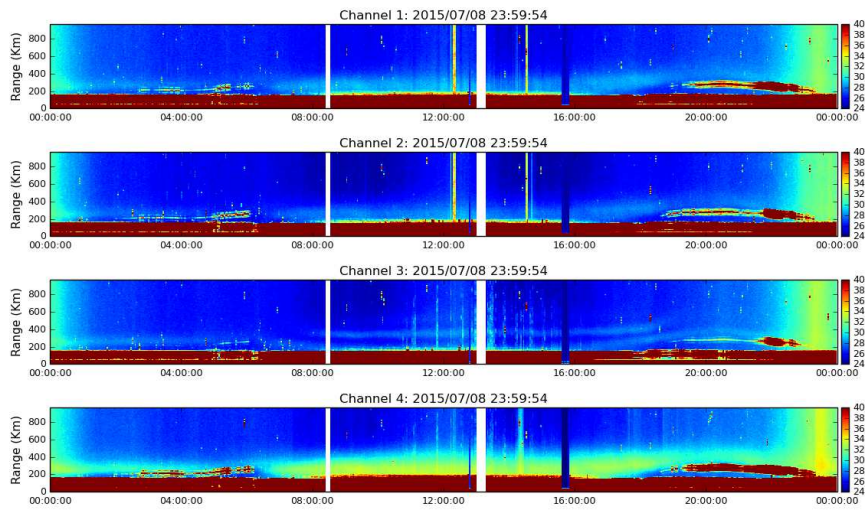


Figure 5. Rti ISR 2015-07-08.

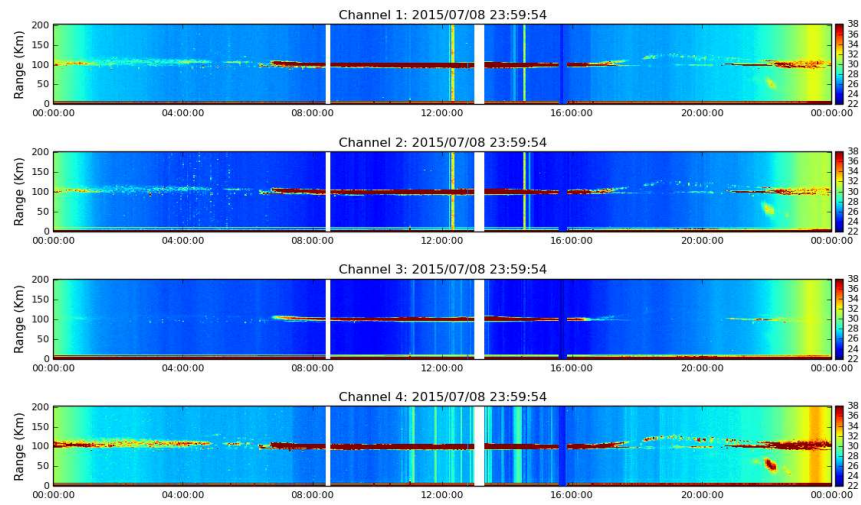


Figure 6. Rti EEJ 2015-07-08.

July, 09:

_ At 11:00 and 16:50 hours lost of data for transmitter.

_ There are interferences from 11 to 16 hours.

_ % operation/24h: 98.96

Log:

_ 09 Jul 11:04 and 16:58 Problem with transmitter.

Staff in charge:

00-08: M. Urco. 08-20: A. Valdez. 20-24: I. Manay.

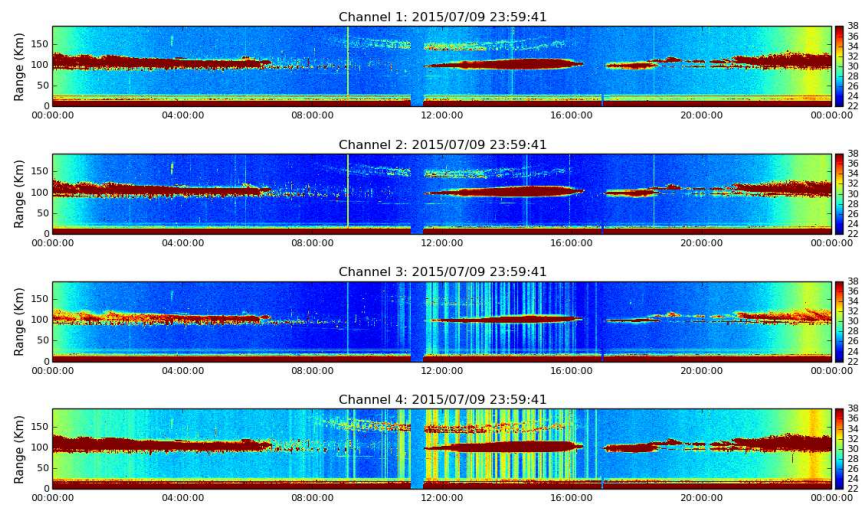


Figure 7. Rti MST 2015-07-09.

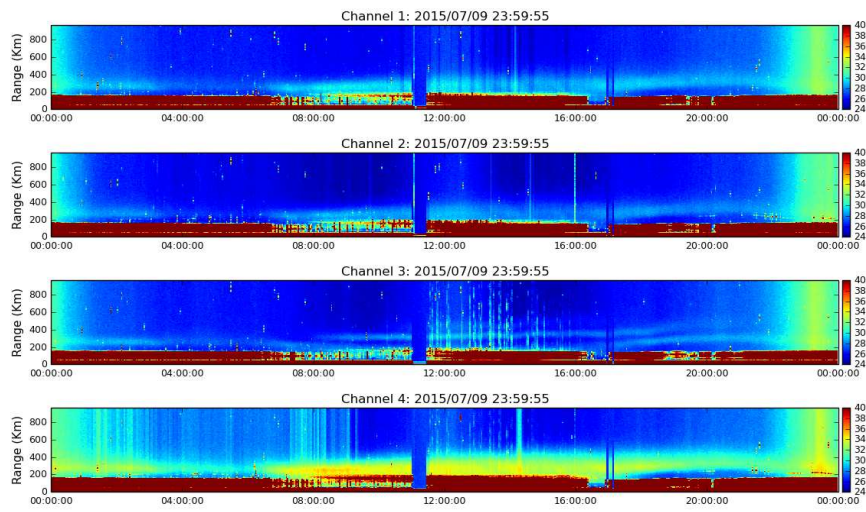


Figure 8. Rti ISR 2015-07-09.

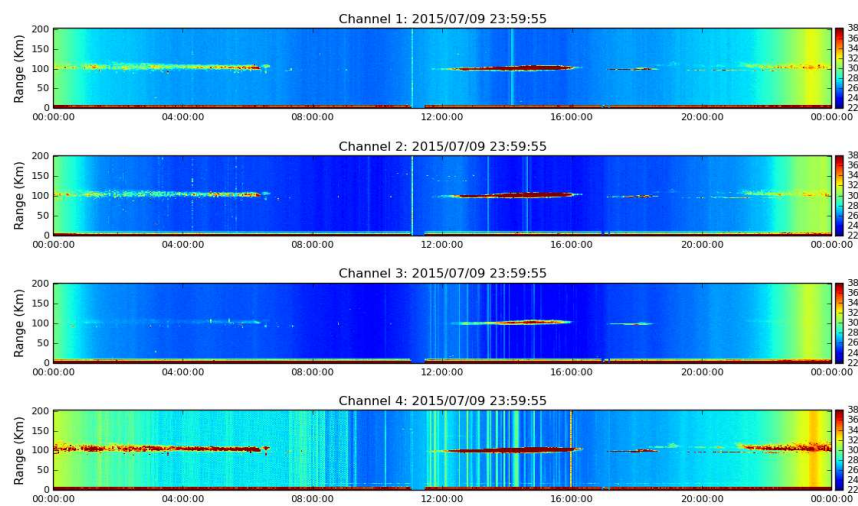


Figure 9. Rti EEJ 2015-07-09.

July, 10:

- _ Interferences start from 11 to 16 hours.
- _ 10 minutes of lost of data by restart of JARS at 00:30 and other at 06:30 hours.
- _ % operation/20h: 98.96

Log:

- _ 10 Jul 00:32 and 06:34 Restart of JARS.
- _ 10 Jul 11:00 Start interferences.
- _ 10 Jul 20:00 Campaign ends.

Staff in charge:

00-08: I. Manay. 08-20: P. Córdor.

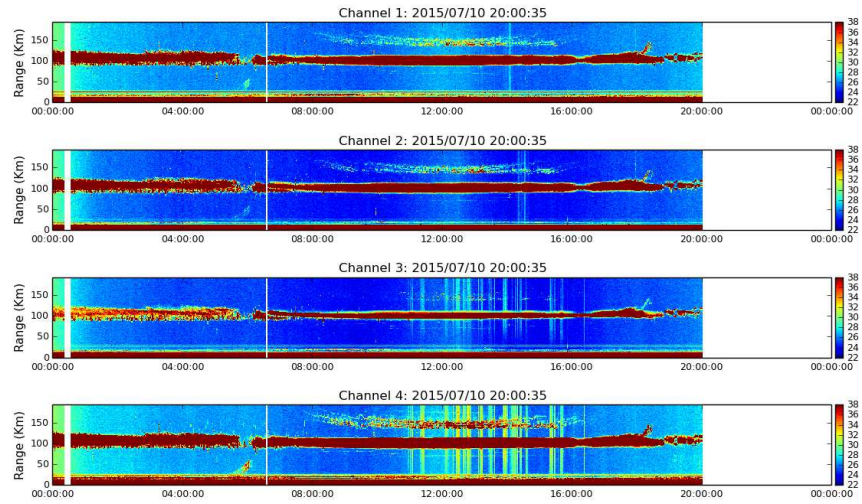


Figure 10. Rti MST 2015-07-10.

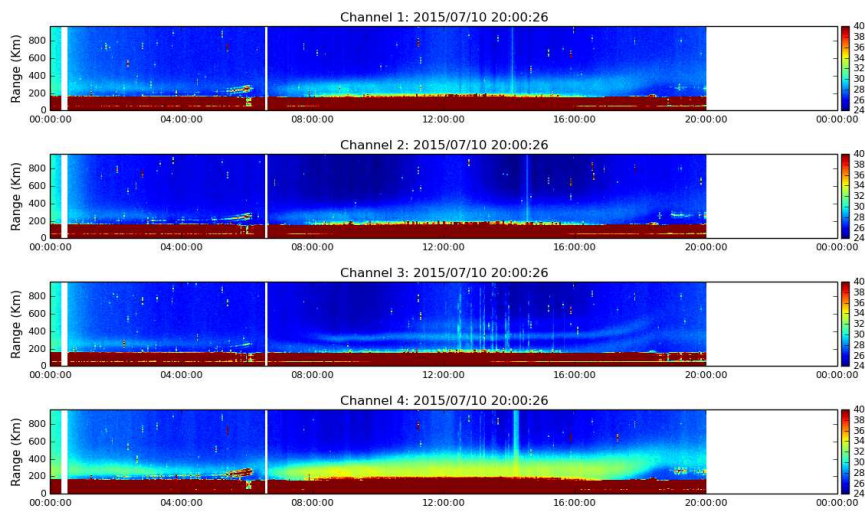


Figure 11. Rti ISR 2015-07-10.

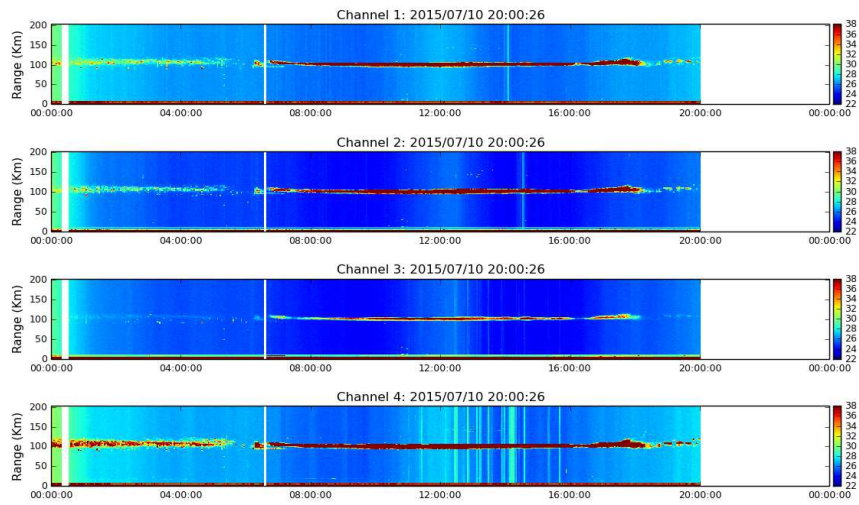


Figure 12. Rti EEJ 2015-07-10.

Annex:

Sky noise for July 07, 2015:

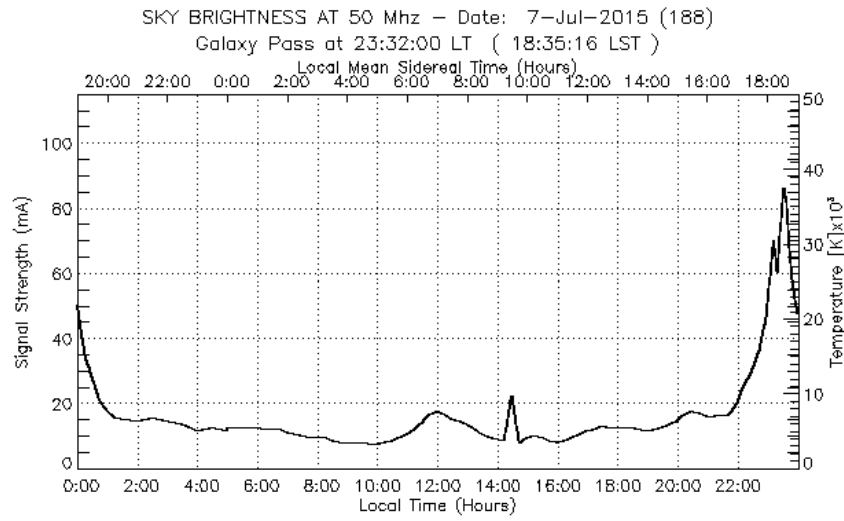
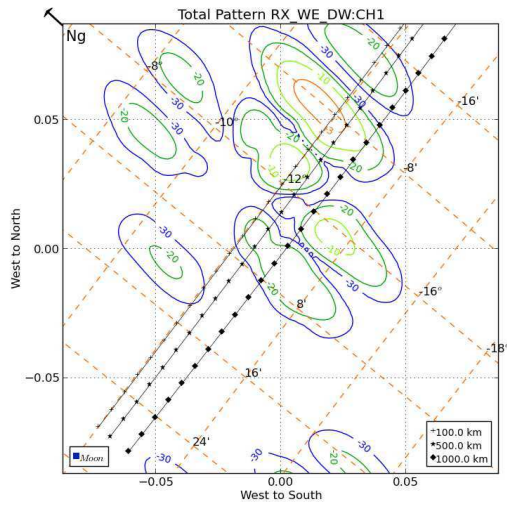
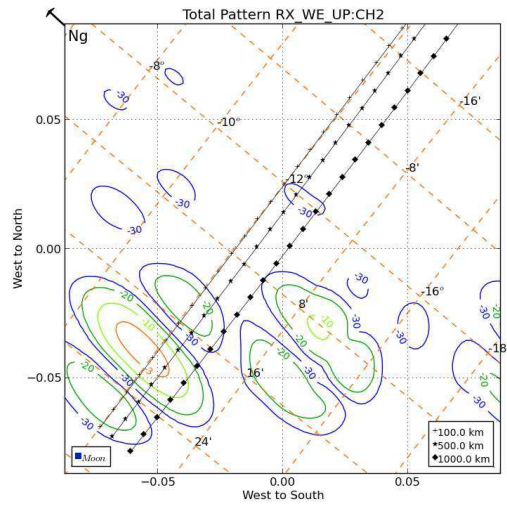


Figure 13. Sky noise.

Antenna pattern

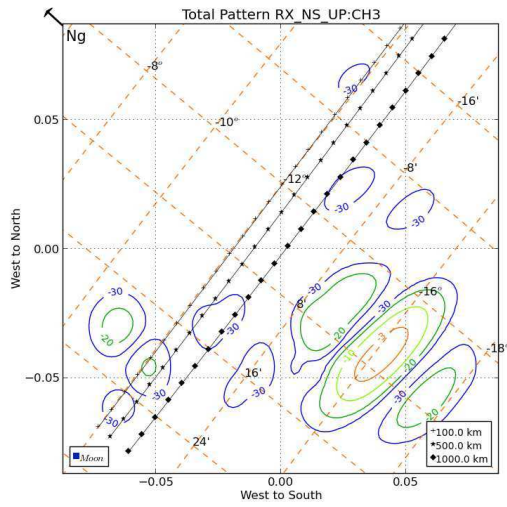


Over Jicamarca: 08-Jul-2015 (189)

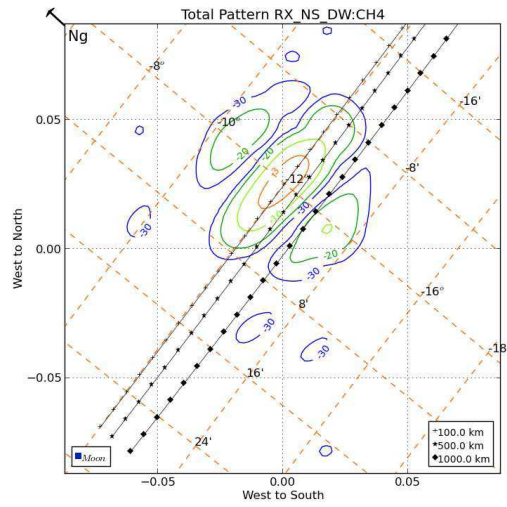


Over Jicamarca: 08-Jul-2015 (189)

Figure 14. Antennas pattern, Ch1 and Ch 2.



Over Jicamarca: 08-Jul-2015 (189)



Over Jicamarca: 08-Jul-2015 (189)

Figure 15. Antennas pattern, Ch 3 and Ch 4.