

The following table is a cross reference between the path numbers (as appears in the Operational Description document) and the mode numbers (as appears in the Test Report document)

Path [Operational Description]	Mode [Test Report]	Type
1	5	Transmit
2	2	Transmit
3	3	Transmit
4		Receive
5		Receive

Below is a description of all of the Booster's communication modes.

Communication with the Programmer (two way channel)

This channel is used to program some parameters in the Booster

- The Booster receives commands and programming parameters which were transmitted by the Programmer via channel/path #5.
- The Booster sends its response to the Programmer via channel/path #3.

The Booster Transmit parameters are described in paragraph 3.3 of the “Operational Description” document.

Communication with the Meter (two way channel)

This channel is used to collect data from the Meter. The collected data is temporarily stored in the Booster memory

- The Booster sends commands and programming parameters to the Meter via channel/path #2.

The Booster Transmit parameters are described in paragraph 3.2

- The Booster receives the Meter transmissions via channel/path #4

Communication with the Concentrator (one way channel)

This channel is used to transmit the collected data from the Meter (was stored in the memory) towards the Concentrator.

The Booster sends the collected data to the concentrator via channel/path #1.

The Transmit parameters are described in paragraph 3.1

Path #1 additional characteristics:

- Frequency Hopping Tx channel
- The Booster transmits its information in a burst of 18 different frequencies.
- A full transmission cycle consists of 3 transmission bursts (18x3 different frequencies).
- The time interval between burst transmissions is greater than 5 minutes.
- The total time of a burst transmission (18 frequencies) is ~250ms.
- The occupancy time on any frequency is ~8ms (<<400ms within 20 second period).
- The receiver in the Concentrator has input bandwidth that matches the hopping channel bandwidth of the Meter Booster and captures the transmitter on any of 54 channels and performs equally on all channels.