INGEO FCC Documentation

FCC Part 22 & 24 Certification

FCC ID: **J9CINGEO1**Model: **INGEO1**

STATEMENT OF CERTIFICATION

The data, data evaluation and equipment configuration represented herein are a true and accurate representation of the measurements of the sample's radio frequency interference emissions characteristics as of the dates and at the times of the test under the conditions herein specified.

Report Prepared by:

QUALCOMM Incorporated 5775 Morehouse Drive San Diego, CA 92121-1714

Tests that required an OATS site were performed by Nemko USA, Inc.



Table of Contents

•••••		. 1
INTRO	DDUCTION	. 3
OPER	ATIONAL DESCRIPTION	. 3
2.1	DEVICE DESCRIPTION	
2.2		
DEVIC	CE EQUIPMENT CATEGORY DECLARATIONS	. 4
3.1	CDMA THROUGHPUT	. 4
FCC C	FR 47 §2.1033 REQUIREMENT DOCUMENTATION	. 4
4.1	\$2.1033 (c) (1) Manufacture Information	. 4
4.2	§2.1033 (C) (2) FCC IDENTIFIER	
4.3	§2.1033 (c) (3) USER MANUAL	. 5
4.4	§2.1033 (c) (4) Emissions Designators	. 5
4.5	§2.1033 (c) (5) Frequency range	. 5
4.6	§2.1033 (c) (6) Range of Transmit Power	
4.7	§2.1033 (c) (7) MAXIMUM TRANSMIT POWER	
4.8	§2.1033 (c) (8) DC Voltages	. 6
4.9	§2.1033 (c) (9) Tune-up procedure	
4.14	2.1033 (C) (14) TEST DATA	18
	2.1 2.2 2.3 DEVIO 3.1 FCC O 4.1 4.2 4.3 4.4 4.5 4.6 4.7 4.8	OPERATIONAL DESCRIPTION 2.1 DEVICE DESCRIPTION

FCC ID: J9CINGEO1 Introduction

1 Introduction

The INGEO is a small and simple tracking device, based on gpsOne technology and complementary control-server technology for accurate, real-time tracking. It is fully compatible with the CDMA2000 1X & 1xEVDO standards. The INGEO design is optimized for minimal cost, minimum size, maximum battery life and superb positioning location performance. The INGEO device features: small size, simplified operation, intelligent hibernation, extended battery life, assistance request button, over the air configuration/monitoring and built-in geofence capabilities. The INGEO asset tracking device will be used to track packages, shipping containers and similar applications. The user's manual stipulates a 20 cm separation distance between the device and humans.

The INGEO will have the following features:

- CDMA2000 1X & 1xEV-DO data at 850 MHz and 1900 MHz
- GPS at 1575 MHz
- Connectivity for external antenna (WWAN)
- USB 2.0 high-speed interface

2 Operational Description

2.1 Device Description

The INGEO device is used to track assets. It is not used for human or pet tracking, so the device has no microphone or speaker. The device uses A-GPS to obtain position location and sends this information back to the network by SMS data packets. For the most active mode of operation, a position fix occurs about every 10 seconds followed by a 3 second SMS message. Other modes of simplified operation request position fixes less often. The hibernation mode extends the battery life beyond normal cellular phone standby time. Hibernation technology comprises of several innovative modes of battery saving. Smart mechanism selects the best fit mode based on future activities of the device.

The INGEO device incorporates internal antennas for both WWAN and GPS. An external RF connector is available for potential future applications that would need an external antenna. If an external antenna is used and the antenna's gain is more than the internal antenna, a Class 2 permissive change would need to be filed with the FCC in order to use the external antenna.

The main on-board Qualcomm chipsets include:

■ Baseband: MSM6125TM

■ **RF:** RFR6000TM, RFT6100TM

■ Power Management: PM6650TM

Key connectivity support includes:

- USB 2.0 high-speed
- External WWAN antenna connector for test purposes or external antenna
- DC power supply input

2.2 Technologies Supported

Table 2-1 describes the technologies and bands supported. Section 3 contains additional information on device capabilities and equipment categories for each technology.

Table 2-1 Technology and Bands Supported

Mode Band Name		Transmitter Range (MHz)	Receiver Range (MHz)	Duplex Separation (MHz)
CDMA2000	850 MHz - US Cellular	824-849	869-894	45
CDMA2000	1900 MHz - US PCS	1850-1910	1930-1990	80
GPS	GPS		1570-1590	N/A

2.3 Module/Host Electrical Interfaces

The INGEO supports the following interfaces.

■ Primary Data Interfaces:

USB Interface: Supports USB 2.0 in all three modes (Low Speed, Full Speed, and High Speed). **LED:** Provide device ON/OFF indication, cellular coverage and battery status.

3 Device Equipment Category Declarations

3.1 CDMA Throughput

- CDMA 1xEVDO Rel 0 (IS-856)
 - o Forward link up to 2.4 Mbps
 - o Reverse link up to 153.6 kbps
- CDMA 1xRTT (IS-2000)
 - o Simultaneous forward and reverse channel data rates up to 153.6 kbps

4 FCC CFR 47 §2.1033 Requirement Documentation

<u>Requirement:</u> §2.1033 (c) Applications for equipment other than that operating under parts 15 and 18 of the rules shall be accompanied by a technical report containing the following information:

4.1 §2.1033 (c) (1) Manufacture Information

<u>Requirement:</u> §2.1033 (c) (1) The full name and mailing address of the manufacturer of the device and the applicant for certification.

Qualcomm information:

Manufacturer:

Amoi Electronics Co.,Ltd.

Address: 45 Tiyu Road, Xiamen, Fujian 361012, P.R.China.

Factory Address: 102 Xiaguang Road, Haicang District, Xiamen, Fujian 361022, P.R.China.

Applicant:

Qualcomm Incorporated 5775 Morehouse Drive San Diego, CA 92121

4.2 §2.1033 (c) (2) FCC identifier

Requirement: §2.1033 (c) (2) FCC identifier

Qualcomm information:

The FCC ID of the equipment is J9CINGEO1. A separate attachment shows the detail of FCC label information.

4.3 §2.1033 (c) (3) User Manual

Requirement: 2.1033 (c) (3) A copy of the installation and operating instructions to be furnished the user. A draft copy of the instructions may be submitted if the actual document is not available. The actual document shall be furnished to the FCC when it becomes available.

Qualcomm information:

Please see User's Guide in separate attachment.

4.4 §2.1033 (c) (4) Emissions Designators

Requirement: 2.1033 (c) (4) Type or types of emission.

Qualcomm information:

Mode	Tx Frequency Range (MHz)	Emission Designator
CDMA	824.7 - 848.31	1M28F9W
CDMA	1851.25 – 1908.75	1M28F9W

4.5 §2.1033 (c) (5) Frequency range.

Requirement: 2.1033 (c) (5) Frequency range.

Qualcomm information:

The frequency ranges that INGEO supports are listed in Table 2-1 of this document.

4.6 §2.1033 (c) (6) Range of Transmit Power

Requirement: 2.1033 (c) (6) Range of operating power values or specific operating power levels, and description of any means provided for variation of operating power.

Qualcomm information:

In CDMA 1x/1xEVDO mode, the transmitter output power is independent of whether the equipment operates in the cellular system or PCS system. The INGEO supports Class 3 cellular mobile station Power Class, and Class 2 PCS mobile station power class. Its power output capability is reported to the land station via Station Class Mark. The mobile station will respond to commands from the land station to change power levels as defined in the EIA/TIA/IS-98, 856 and 856A Specification.

4.7 §2.1033 (c) (7) Maximum Transmit Power

Requirement: 2.1033 (c) (7) Maximum power rating as defined in the applicable part(s) of the rules.

Qualcomm information:

The INGEO supports the maximum output power as defined by relevant 3GPP and 3GPP2 standards for

- Class 3 cellular mobile station in a CDMA mode, i.e. -7dBW (0.2W) to 0 dBW (1.0W) of ERP
- Class 2 PCS mobile station in a CDMA mode, i.e. -7 dBW (0.2W) to 0 dBW (1.0W) of EIRP

All meet the 7 W ERP (+8.45 dBW) maximum power limitation of CFR 47 §22.913 and 2 watts E.I.R.P. peak power of CFR 47 Part §24.232 (b). The equipment is able to limit the output power to the minimum necessary for successful communications.

4.8 §2.1033 (c) (8) DC Voltages

<u>Requirement:</u> §2.1033 (c) (8) The dc voltages applied to and dc currents into the several elements of the final radio frequency amplifying device for normal operation over the power range.

Qualcomm information:

The dc voltage and current for the final RF amplifying device is 3.3 Vdc and 475 mA.

4.9 §2.1033 (c) (9) Tune-up procedure

Requirement: §2.1033(c) (9) Tune-up procedure over the power range, or at specific operating power levels.

Qualcomm information:

All frequency and power adjustments are set at the factory and there are no field adjustments for this product. Under digital mode, frequency is locked to the base station and controlled by VCTCXO adjustments to offset any possible errors

4.10 §2.1033 (c) (10) Schematic

<u>Requirement:</u> §2.1033(c)(10) A schematic diagram and a description of all circuitry and devices provided for determining and stabilizing frequency, for suppression of spurious radiation, for limiting modulation, and for limiting power.

Qualcomm information:

■ Schematic:

The schematic and block diagram are sent in separate attachments.

■ Stabilizing Frequency:

The circuit provided for determining and stabilizing frequency is shown in the schematic attachments..

A voltage controlled, temperature compensated, crystal oscillator (VCTCXO) is employed as a frequency reference for all of the transceiver local oscillators. This crystal oscillator is specified to remain within +/- 2.5 ppm over temperature and voltage variations. The lock status indicator of all synthesizers is monitored by the microprocessor and an out of lock condition will inhibit transmission. In all modes, the INGEO receiver monitors the received signal and adjusts the frequency of the VCTCXO, this corrects any errors between the INGEO frequency and the base station transmitter. The INGEO frequency is locked to the base station.

■ Suppression of Spurious Radiation:

The circuit provided for suppression of spurious radiation is in the schematic attachment...

The transmitter front end provides filtering of the RF signal in order to meet FCC specifications. For radiated spurious suppression, proper design techniques and the use of proper shielding techniques reduced the emission levels well below the permissible FCC limit.

■ Limiting Modulation:

It will be addressed along with *Modulation Description* in Section 4.13 of this document.

■ Limiting Power

Transmitted power is monitored by a RF detector diode which is coupled from the Power Amplifier (PA) output. The detected DC voltage is fed into a microprocessor which uses a calibration table along with an offset correction and temperature correction table to control power limits. When the RF power exceeds a predetermined limit the gain of the stage preceding the PA is reduced.

4.11 §2.1033 (c) (11) FCC Identifier Drawing.

<u>Requirement:</u> §2.1033 (c) (11) A photograph or drawing of the equipment identification plate or label showing the information to be placed thereon.

Qualcomm information:

See separate attachment for FCC label information.

4.12 §2.1033 (c) (12) Photographs

Requirement: §2.1033 (c) (12) Photographs (8x10) of the equipment of sufficient clarity to reveal equipment construction and layout, including meters, if any, and labels for controls and meters and sufficient views of the internal construction to define component placement and chassis assembly. Insofar as these requirements are met by photographs or drawings contained in instruction manuals supplied with the certification request, additional photographs are necessary only to complete the required showing.

Qualcomm information:

See Exhibit separate attachments for the external and internal photos.

4.13 §2.1033 (c) (13) Modulation Description

Requirement: §2.1033 (c) (13) For equipment employing digital modulation techniques, a detailed description of the modulation system to be used, including the response characteristics (frequency, phase and amplitude) of any filters provided, and a description of the modulating wavetrain, shall be submitted for the maximum rated conditions under which the equipment will be operated.

Qualcomm information:

4.13.1 CDMA2000 (1x, EVDO Release 0, EVDO Revision A)

The CDMA 1x mode described here is limited to what INGEO1 supports. The provided information is from 3GPP2 C.S0002-D, Version 1.0.

Reverse Channel Structure: Figure 4-1 shows the structure of the code channels transmitted by
the INGEO. Term RC stands for Radio Configuration. By crossing out the non-supported items, the
figure clearly demonstrates which types of channels that INGEO1 is not capable of generating on the
reverse link.

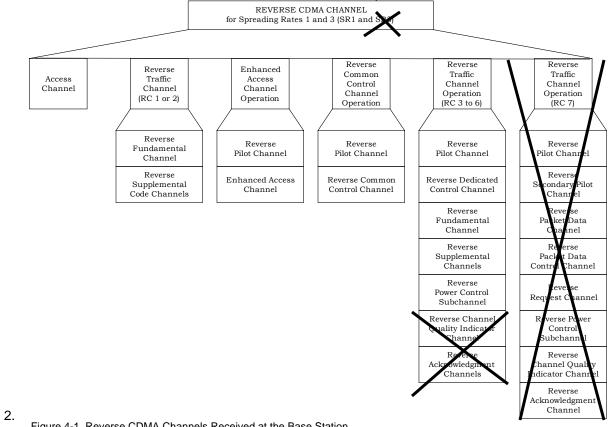


Figure 4-1. Reverse CDMA Channels Received at the Base Station

The following pictures details the channel creating structures of the reverse access channel for SR1, reverse dedicated control channel for RC3, and reverse fundamental and reverse supplemental channel for RC3.

For RC1 and 2, the creation of s(t) nets an identical waveform to the waveform created in the legacy IS95B system/standard. Thus, backwards compatible is insured.

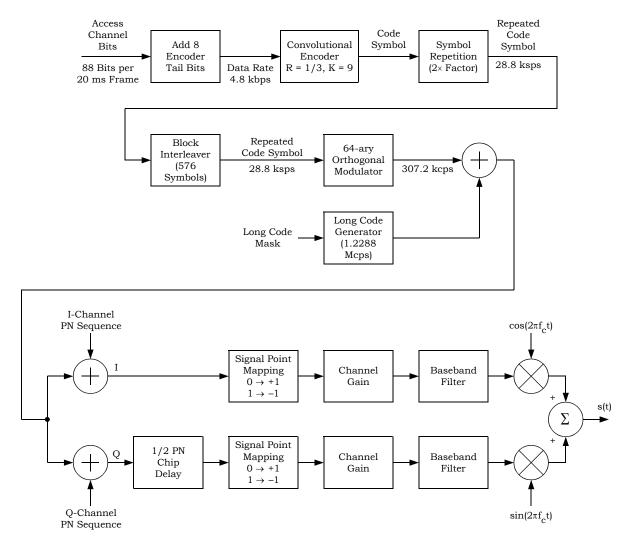
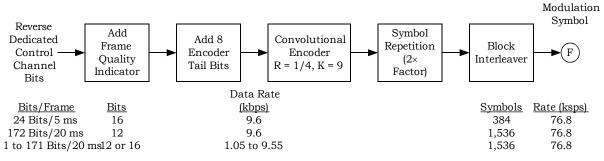
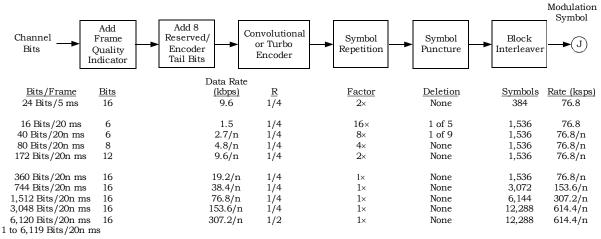


Figure 4-2 Access Channel Structure for Spreading Rate 1



Note: If flexible data rates are supported, there can be 1 to 171 channel bits in a 20 ms frame and the encoded symbols will be repeated and then punctured to provide a 76.8 ksps modulation symbol rate.

Figure 4-3 Reverse Dedicated Control Channel Structure for Radio Configuration 3



Notes:

- 1. n is the length of the frame in multiples of 20 ms. For 31 to 54 encoder input bits per frame, n = 1 or 2. For more than 54 encode input bits per frame, n = 1, 2, or 4.
- 2. The 5 ms frame is only used for the Reverse Fundamental Channel.
- 3. The Reverse Fundamental Channel only uses 15 to 192 encoder input bits per frame with n = 1.
- 4. Turbo coding may be used for the Reverse Supplemental Channels with 384 or more encoder input bits per frame; otherwise, K = convolutional coding is used.
- 5. With convolutional coding, the Reserved/Encoder Tail bits provide an encoder tail. With turbo coding, the first two of these bits are reserved bits that are encoded and the last six bits are replaced by an internally generated tail.
- 6. If variable-rate Reverse Supplemental Channel operation, flexible reverse link data rates, or both are supported, the parameters are determined from the specified number of channel bits per frame, the maximum assigned number of channel bits per frame for the Reverse Fundamental Channel or the Reverse Supplemental Channel, and the specified frame quality indicator length.
 - The frame quality indicator length is 16 for more than 192 encoder input bits per frame; 12 or 16 for 97 to 192 encoder input bits per frame; 8, 12, or 16 for 55 to 96 encoder input bits per frame; and 6, 8, 12, or 16 otherwise.
 - The code rate is 1/2 for more than 3,072 encoder input bits per frame; otherwise, it is 1/4. If the number of encoder input bit per frame is less than 384, the type of encoding is convolutional; otherwise, it is the same as that of the maximum assigned data rate for the channel.
 - If the specified number of channel bits per frame is equal to the maximum assigned number of channel bits per frame and t number and the specified frame quality indicator length match one of the listed cases, the symbol repetition factor and sympuncturing from that listed case are used. Otherwise, the symbol repetition factor and puncturing are calculated to achieve the same interleaver block size as for the maximum assigned data rate for the channel.
 - If the maximum assigned data rate matches one of the data rates listed in the figure, the interleaver block size for that listed data rate is used. Otherwise, the interleaver block size of the next higher listed data rate is used.

Figure 4-4 R-FCH and R-SCH Channel Structure for Radio Configuration 3

3. *Modulation Parameters:* Table 7-4 to 7-6 from C.S0002-D lists the modulation parameters of the reverse access channel, R-DCCH, R-FCH and R-SCH.

Table 4-1 Access Channel Modulation Parameters for Spreading Rate 1

	Data Rate (bps)			
Parameter	4,800	Units		
DN Chin Date	1 2288	Mona		
Code Rate	1/3	bits/code symbol		
Code Symbol Repetition	2	repeated code symbols/code symbol		
Repeated Code Symbol Rate	28,800	sps		
Modulation	6	repeated code symbols/modulation symbol		
Modulation Symbol Rate	4800	sps		
Walsh Chip Rate	307.20	kcps		
Modulation Symbol Duration	208.33	μs		
PN Chips/Repeated Code Symbol	42.67	PN chips/repeated code symbol		
PN Chips/Modulation Symbol	256	PN chips/modulation symbol		
Transmit Duty Cycle	100.0	%		
PN Chips/Walsh Chip	4	PN chips/Walsh chip		

Table 4-2 Reverse Dedicated Control Channel Modulation Parameters for Radio Configuration 3

	Data Rate (bps)			
Parameter	9,600	Units		
PN Chip Rate	1.2288	Mcps		
Code Rate	1/4	bits/code symbol		
Code Symbol Repetition	2	repeated code symbols/code symbol		
Modulation Symbol Rate	76,800	sps		
Walsh Length	16	PN chips		
Number of Walsh Function	1	Walsh functions/ modulation symbol		
Repetitions per Modulation Symbol				
Transmit Duty Cycle	100.0	%		
Processing Gain	128	PN chips/bit		

Note: If flexible data rates are supported, repetition and puncturing can be used to support data rates not specified in this table.

Table 4-3 R-FCH and R-SCH Modulation Parameters for 20 ms Frames for Radio Configuration 3

	Data				
Parameter	9,600 × N	4,800	2,700	1,500	Units
PN Chip Rate	1.2288	1.2288	1.2288	1.2288	Mcps
Code Rate	1/4 (N < 32) 1/2 (N = 32)	1/4	1/4	1/4	bits/code symbol
Code Symbol Repetition	2 (N = 1) 1 (N > 1)	4	8	16	repeated code symbols/code symbol
Puncturing Rate	1	1	8/9	4/5	interleaver symbols/repeated code symbol
Modulation Symbol Rate	$76,800 \text{ (N} \le 2)$ $38,400 \times \text{ N}$ (N = 4 or 8) $614,400 \text{ (N} \ge 16)$	76,800	76,800	76,800	sps
Channel: 16 For Reverse Supplemental		8,	16 (Reverse Fundamental Channel) 8, 4, or 2 (Reverse Supplemental Channel)		PN chips
Number of Walsh Function Repetitions per Modulation Symbol	For Reverse Fundamental Channel: 1 For Reverse Supplemental Channel: 2, 4, or 8 ($N \le 2$) 1, 2, or 4 ($N = 4$) 1 or 2 ($N = 8$) 1 ($N \ge 16$)	1 (Reverse Fundamental Channel) 2, 4, or 8 (Reverse Supplemental Channel)		erse	Walsh functions/ modulation symbol
Transmit Duty Cycle	100.0	100.0	100.0	100.0 or 50.0	%
Processing Gain	128/N	256	455.1	819.2	PN chips/bit

Notes:

- 1. N = 1, 2, 4, 8, 16, or 32, which yields data rates of 9600, 19200, 38400, 76800, 153600, or 307200 bps, respectively.
- 2. If variable-rate Reverse Supplemental Channel operation, flexible reverse link data rates, or both are supported, the parameters are determined from the specified number of channel bits per frame, the maximum assigned number of channel bits per frame for the Reverse Fundamental Channel or the Reverse Supplemental Channel, and the specified frame quality indicator length.
- 3. The 50% transmit duty cycle at 1500 bps data rate corresponds to the Reverse Fundamental Channel gating.

4. Data Rate: The data rates for channels operating with SR1 is specified in Table 4-4 from 0002-D.

Table 4-4 Data Rates for Spreading Rate 1

Channel Type		Data Rates (bps)			
Access Channel		4800			
Enhanced Access Channel	Header	9600			
	Data	38400 (5, 10, or 20 ms frames), 19200 (10 or 20 ms frames), or 9600 (20 ms frames)			
Reverse Common Control Channel		38400 (5, 10, or 20 ms frames), 19200 (10 or 20 ms frames), or 9600 (20 ms frames)			
Reverse Packet Data Control Chan	nel	700 (10 ms frames)			
Reverse Request Channel		3200 (10 ms frames)			
Reverse Dedicated Control	RC 3	9600			
Channel	RC 4	14400 (20 ms frames) or 9600 (5 ms frames)			
Reverse Acknowledgment Channel		800			
Reverse Channel Quality Indicator	Channel	3200 or 800			
Reverse Fundamental Channel	RC 1	9600, 4800, 2400, or 1200			
	RC 2	14400, 7200, 3600, or 1800			
	RC 3	9600, 4800, 2700, or 1500 (20 ms frames) or 9600 (5 ms frames)			
	RC 4	14400, 7200, 3600, or 1800 (20 ms frames) or 9600 (5 ms frames)			
Reverse Supplemental Code	RC 1	9600			
Channel	RC 2	14400			
Reverse Supplemental Channel RC		307200, 153600, 76800, 38400, 19200, 9600, 4800, 2700, or 1500 (20 ms frames) 153600, 76800, 38400, 19200, 9600, 4800, 2400, or 1350 (40 ms frames) 76800, 38400, 19200, 9600, 4800, 2400, or 1200 (80 ms frames)			
	RC 4	230400, 115200, 57600, 28800, 14400, 7200, 3600, or 1800 (20 ms frames) 115200, 57600, 28800, 14400, 7200, 3600, or 1800 (40 ms frames) 57600, 28800, 14400, 7200, 3600, or 1800 (80 ms frames)			
Reverse Packet Data Channel	RC 7	19200, 40800, 79200, 156000, 309600, 463200, 616800, 924000, 1231200, 1538400, 1845600 (10 ms frames)			

5. **Baseband Filting:** Following the spreading operation when operating in SR1, the I and Q impulse are applied to the input of the I and Q baseband filters. The frequency response s(f) of the recommended filter is shown in Figure 7-10 and its coefficients is given in table 7-7, both are from C.S0002-D.

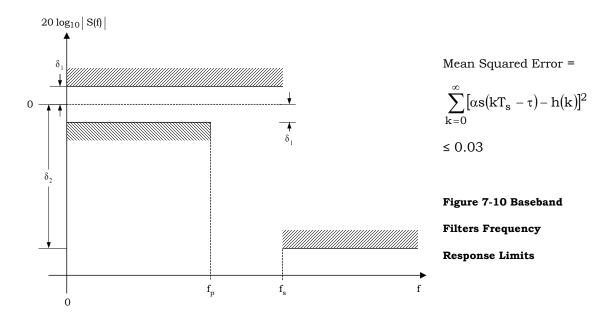


Table 4-5 Coefficients of h(k) for Spreading Rate 1

k	h(k)				
0 47	_0 025288315				
1, 46	-0.034167931				
2, 45	-0.035752323				
3, 44	-0.016733702				
4, 43	0.021602514				
5, 42	0.064938487				
6, 41	0.091002137				
7, 40	0.081894974				
8, 39	0.037071157				
9, 38	-0.021998074				
10, 37	-0.060716277				
11, 36	-0.051178658				
12, 35	0.007874526				
13, 34	0.084368728				
14, 33	0.126869306				
15, 32	0.094528345				
16, 31	-0.012839661				
17, 30	-0.143477028				
18, 29	-0.211829088				
19, 28	-0.140513128				
20, 27	0.094601918				
21, 26	0.441387140				
22, 25	0.785875640				
23, 24	1.0				

These values yield the "necessary bandwidth" of 1.25 MHz based on optimal detection and channel capacity theory.

The 1xEVDO Rel 0 mode described here is from 3GPP2 C.S0024-A, Version 1.0. As the UNDP-1 only operates in SR1 mode, the bandwidth for Rel0 limits to the 1.25MHz bandwidth as in 1x systems. In addition, the reference baseband filtering requirements and the associated filter coefficients shown in C.S0024-A are identical to those listed in C.S0002-D. Thus, for SR1in 1xEVDO Rel 0, the frequency response is identical to the 1x system standard, where it was shown that these values yield the "necessary bandwidth" of 1.25MHz based upon optimal detection and channel capacity theory.

1xEVDO Rel 0 is expressed as Subtype 0 (default) and Subtype 1 in 0024-A. Section 13.2.1.3 Modulation Characteristics details the reverse channel structure and modulation parameters.

1. Reverse Channel structure: Reverse access channel and traffic channel structure from 0024-A

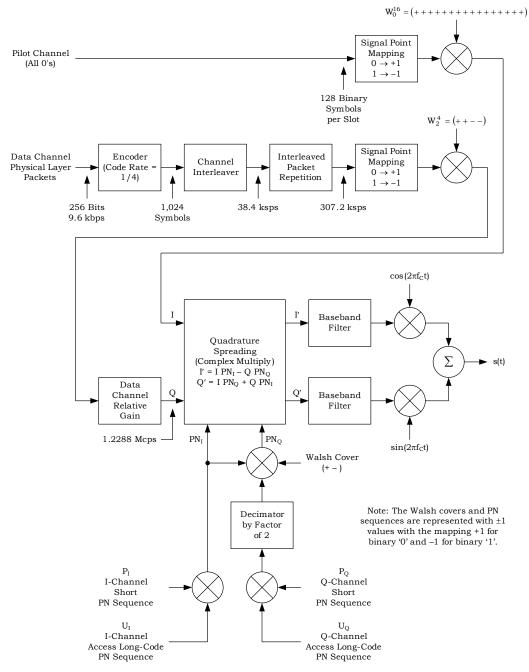


Figure 4-4 Subtype 0 Physical Layer Protocol Reverse Channel Structure for the Access Channel

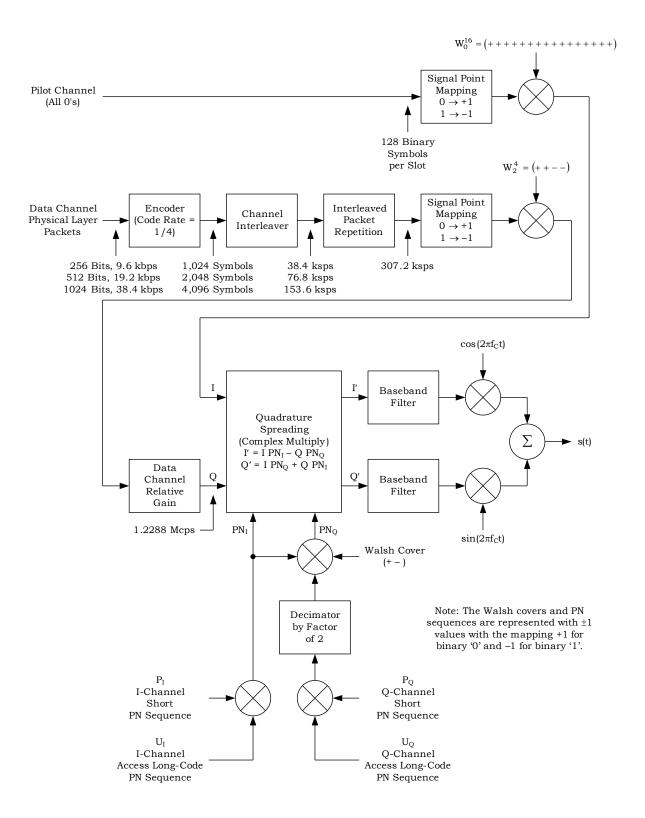


Figure 4-5 Subtype 1 Physical Layer Protocol Reverse Channel Structure for the Access Channel

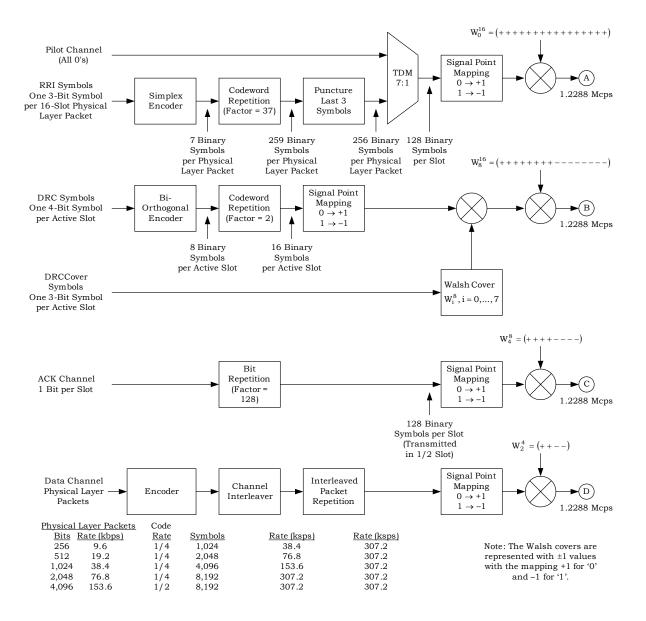


Figure 4-6 Reverse Channel Structure for the Reverse Traffic Channel (Part 1 of 2)

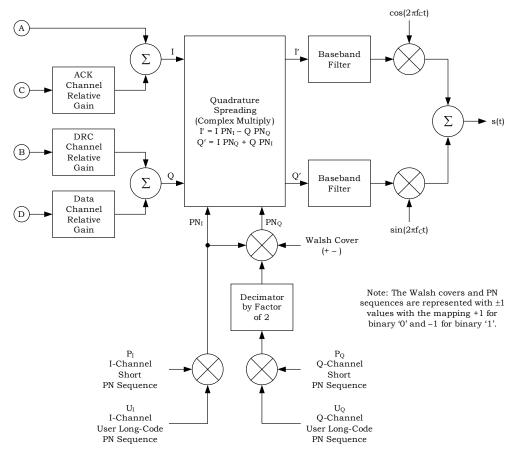


Figure 4-7 Reverse Channel Structure for the Reverse Traffic Channel (Part 2 of 2)

2. *Modulation parameters:* listed in the table 4-6

Table 4-6 Modulation Parameters for the Access Channel and the Reverse Traffic Channel

	Data Rate (kbps)				
Parameter	9.6	19.2	38.4	76.8	153.6
Reverse Rate Index	1	2	3	4	5
Bits per Physical Layer Packet	256	512	1,024	2,048	4,096
Physical Layer Packet Duration (ms)	26.66	26.66	26.66	26.66	26.66
Code Rate	1/4	1/4	1/4	1/4	1/2
Code Symbols per Physical Layer Packet	1,024	2,048	4,096	8,192	8,192
Code Symbol Rate (ksps)	38.4	76.8	153.6	307.2	307.2
Interleaved Packet Repeats	8	4	2	1	1
Modulation Symbol Rate (ksps)	307.2	307.2	307.2	307.2	307.2
Modulation Type	BPSK	BPSK	BPSK	BPSK	BPSK
PN Chips per Physical Layer Packet Bit	128	64	32	16	8

3. *Data Rate:* The access terminal transmits information on the Access Channel a) at a fixed data rate of 9.6 kbps if using the Subtype 0; b) at a variable data rate of 9.6, 19.2, or 38.4 kbps, according to the Access Channel MAC Protocol if using the Subtype 1.

4.14 2.1033 (c) (14) Test Data

2.1033 (c) (14) The data required by Sec. Sec. 2.1046 through 2.1057, inclusive, measured in accordance with the procedures set out in Sec. 2.1041.

Qualcomm information:

See separate test reports.