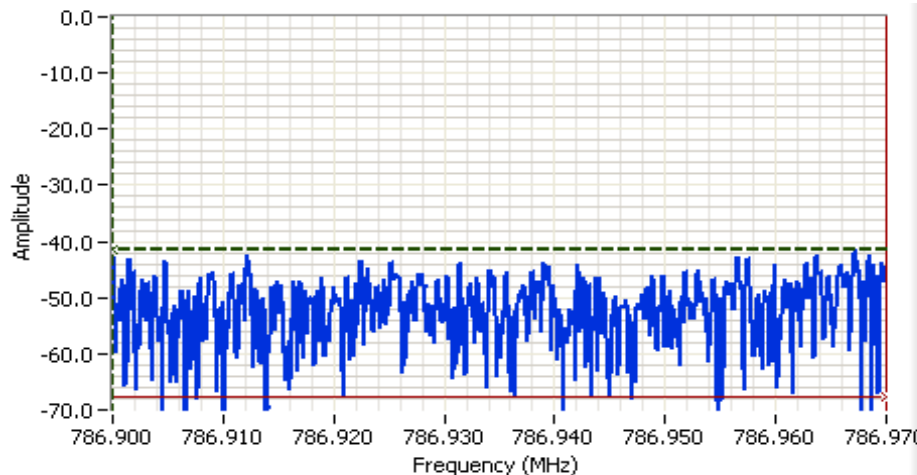


Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

Agilent Technologies, E4446A
 CF: 786.935 MHz
 SPAN: 70.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.1s
 Ref Lvl: 42.0 DBM

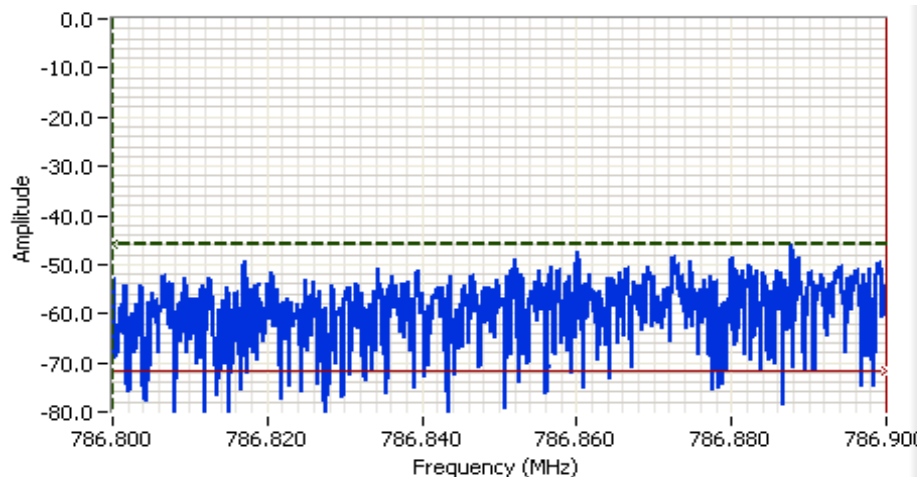
Comments

Power over span: -24.46dBm
 50.0 kHz Channel Spacing
 QPSK
 f: 787.093750 MHz

Cursor 1 786.9000 -41.6
 Cursor 2 786.9700 -67.6

Delta Freq. 70.0 kHz

Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 786.850 MHz
 SPAN: 100 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.5s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -29.49dBm
 50.0 kHz Channel Spacing
 QPSK
 f: 787.093750 MHz

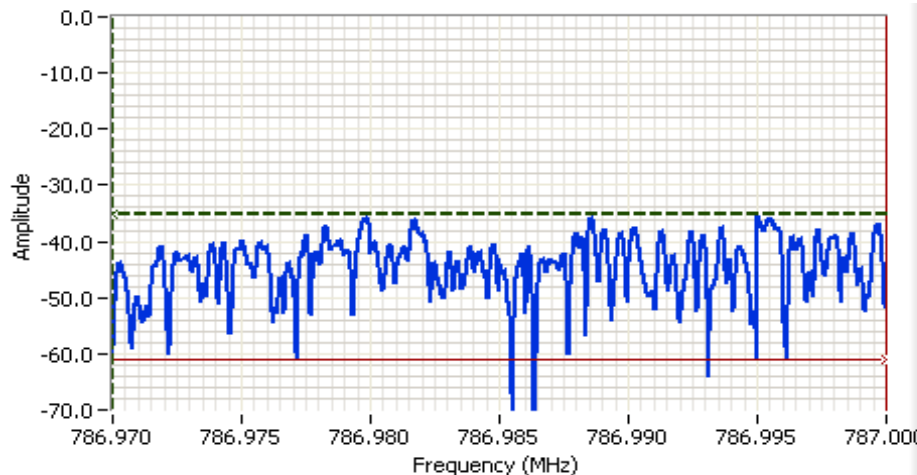
Cursor 1 786.8000 -45.8
 Cursor 2 786.9000 -71.8

Delta Freq. 100 kHz

Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

Agilent Technologies, E4446A
 CF: 786.985 MHz
 SPAN: 30.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

Comments

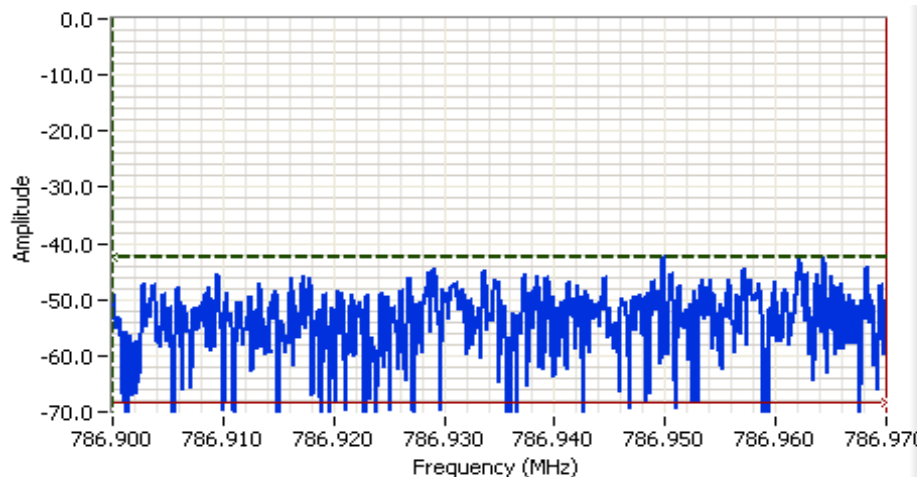
Power over span: -20.69dBm
 50.0 kHz Channel Spacing
 8PSK
 f: 787.093750 MHz

Cursor 1 786.9700 -35.2

Cursor 2 787.0000 -61.2

Delta Freq. 30.0 kHz

Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 786.935 MHz
 SPAN: 70.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.1s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -25.92dBm
 50.0 kHz Channel Spacing
 8PSK
 f: 787.093750 MHz

Cursor 1 786.9000 -42.4

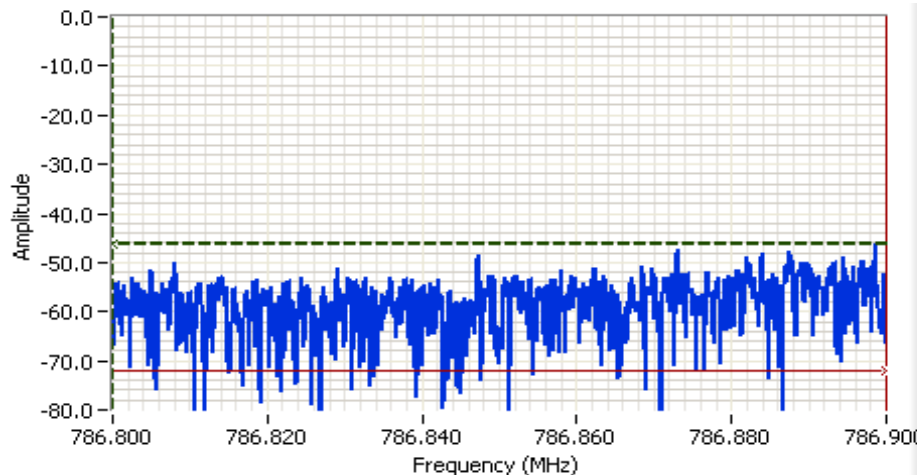
Cursor 2 786.9700 -68.4

Delta Freq. 70.0 kHz

Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

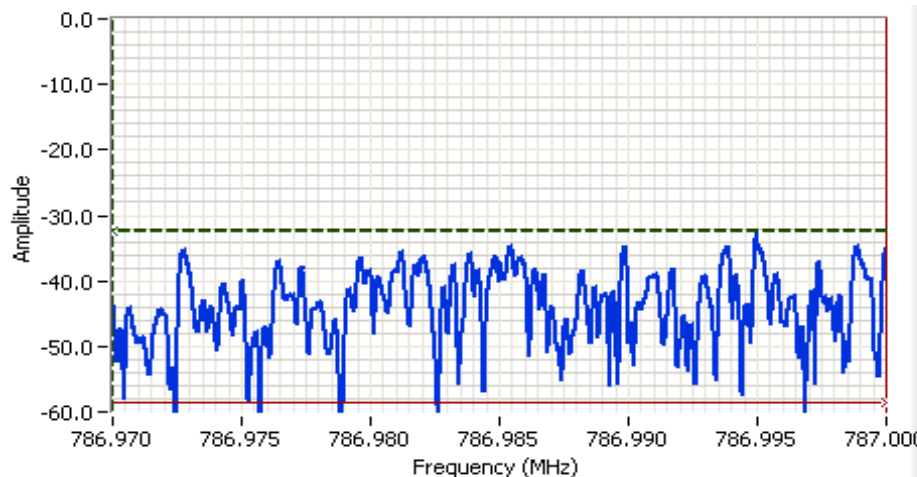
Agilent Technologies, E4446A
 CF: 786.850 MHz
 SPAN: 100 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.5s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -29.60dBm
 50.0 kHz Channel Spacing
 8PSK
 f: 787.093750 MHz

Cursor 1 786.8000 -46.2
 Cursor 2 786.9000 -72.2

Delta Freq. 100 kHz
 Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 786.985 MHz
 SPAN: 30.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

Comments

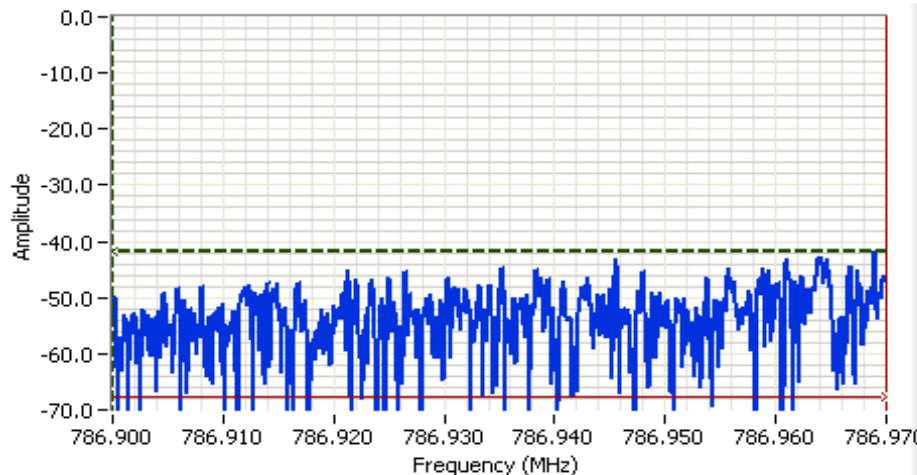
Power over span: -19.82dBm
 50.0 kHz Channel Spacing
 16QAM
 f: 787.093750 MHz

Cursor 1 786.9700 -32.5
 Cursor 2 787.0000 -58.5

Delta Freq. 30.0 kHz
 Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

Agilent Technologies, E4446A
 CF: 786.935 MHz
 SPAN: 70.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.1s
 Ref Lvl: 42.0 DBM

Comments

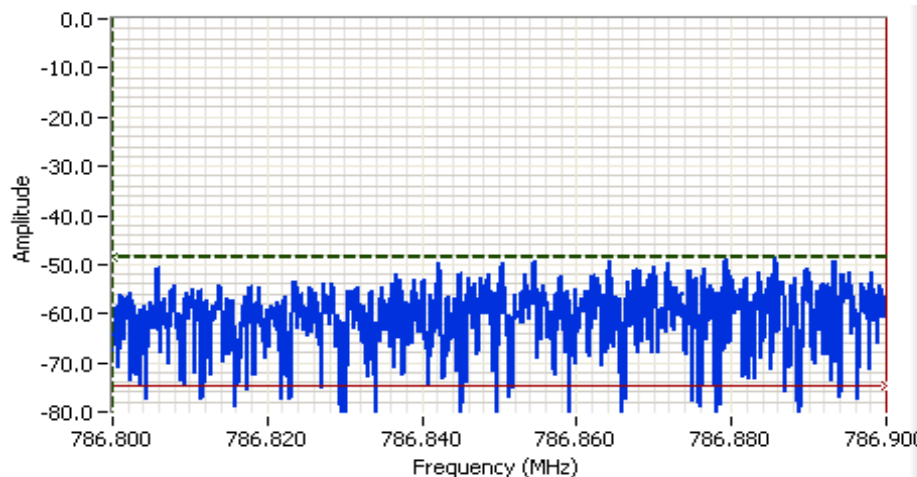
Power over span: -26.03dBm
 50.0 kHz Channel Spacing
 16QAM
 f: 787.093750 MHz

Cursor 1 786.9000 -41.8

Cursor 2 786.9700 -67.8

Delta Freq. 70.0 kHz

Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 786.850 MHz
 SPAN: 100 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.5s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -30.75dBm
 50.0 kHz Channel Spacing
 16QAM
 f: 787.093750 MHz

Cursor 1 786.8000 -48.5

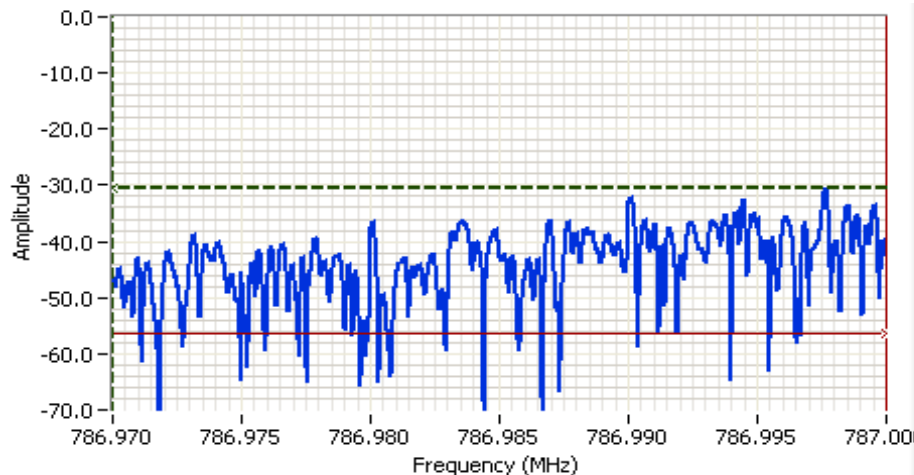
Cursor 2 786.9000 -74.5

Delta Freq. 100 kHz

Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

Agilent Technologies, E4446A
 CF: 786.985 MHz
 SPAN: 30.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

Comments

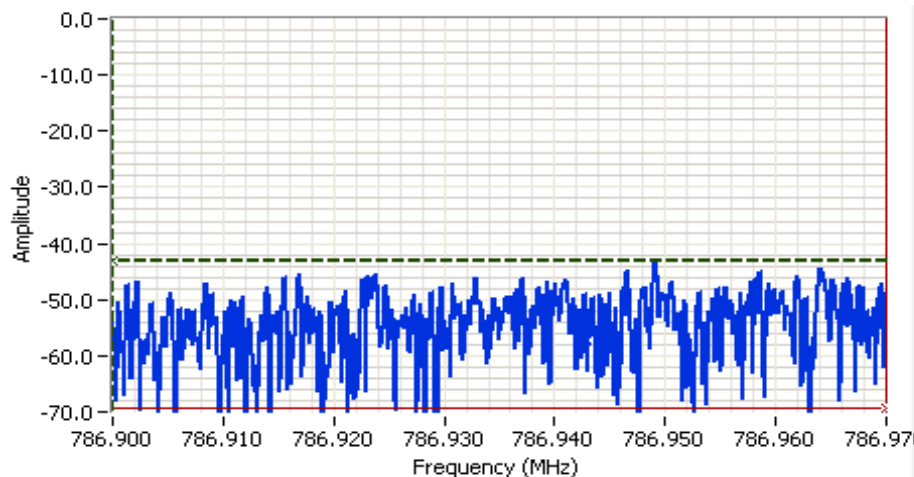
Power over span: -19.19dBm
 50.0 kHz Channel Spacing
 32QAM
 f: 787.093750 MHz

Cursor 1 786.9700 -30.5

Cursor 2 787.0000 -56.5

Delta Freq. 30.0 kHz

Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 786.935 MHz
 SPAN: 70.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.1s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -26.55dBm
 50.0 kHz Channel Spacing
 32QAM
 f: 787.093750 MHz

Cursor 1 786.9000 -43.2

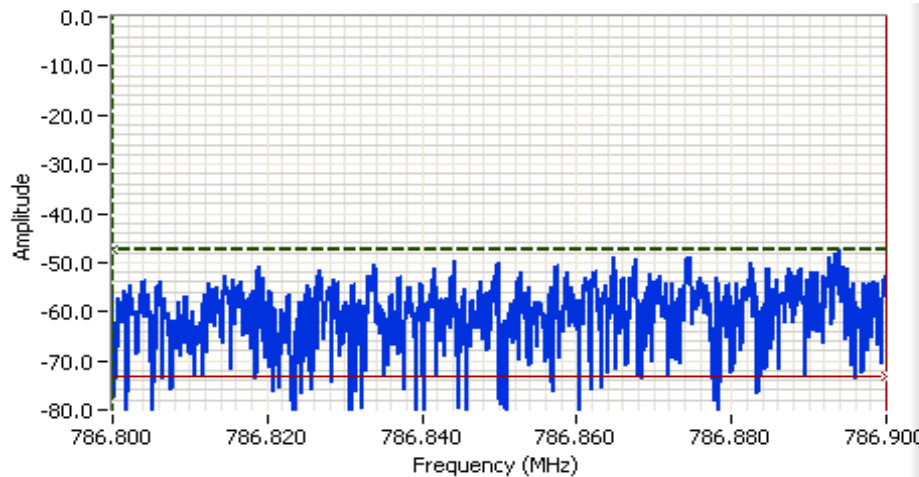
Cursor 2 786.9700 -69.2

Delta Freq. 70.0 kHz

Delta Amplitude 26.0



Client:	Xetawave LLC	Job Number:	JD103419
Model:	Xeta7	T-Log Number:	T103448
Contact:	Sandee Malang	Project Manager:	Christine Krebill
Standard:	FCC Part 27	Project Coordinator:	-
		Class:	N/A



Analyzer Settings

Agilent Technologies, E4446A
 CF: 786.850 MHz
 SPAN: 100 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.5s
 Ref Lvl: 42.0 DBM

Comments

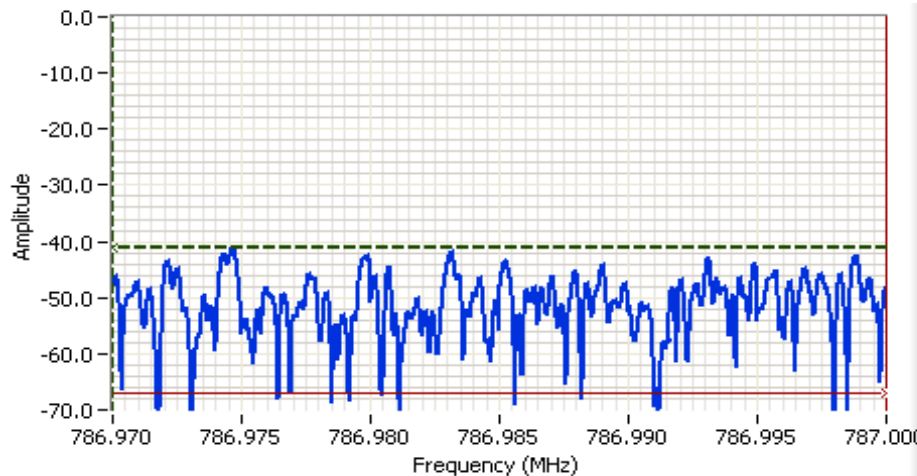
Power over span: -30.62dBm
 50.0 kHz Channel Spacing
 32QAM
 f: 787.093750 MHz

Cursor 1	786.8000	-47.2			
Cursor 2	786.9000	-73.2			

Delta Freq. 100 kHz
 Delta Amplitude 26.0

Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A

Block edge at 787 MHz, 100 kHz channel spacing

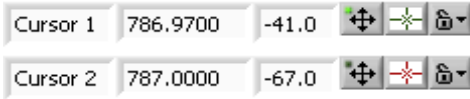


Analyzer Settings

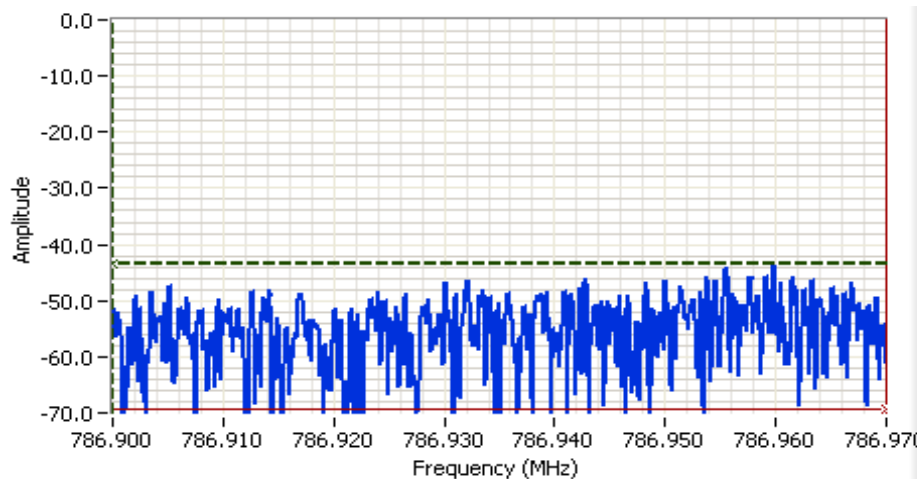
Agilent Technologies, E4446A
 CF: 786.985 MHz
 SPAN: 30.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -27.45dBm
 100.0 kHz Channel Spacing
 MSK
 f: 787.125000 MHz



Delta Freq. 30.0 kHz
 Delta Amplitude 26.0

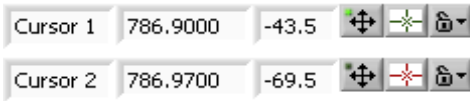


Analyzer Settings

Agilent Technologies, E4446A
 CF: 786.935 MHz
 SPAN: 70.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.1s
 Ref Lvl: 42.0 DBM

Comments

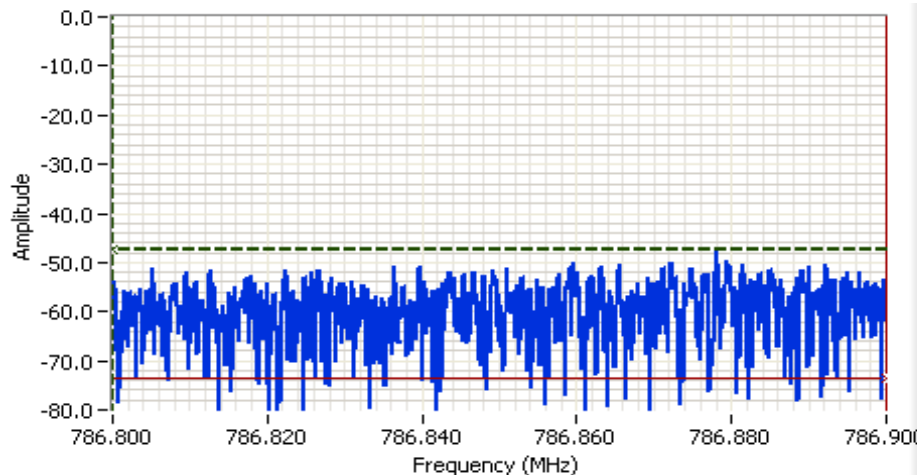
Power over span: -27.62dBm
 100.0 kHz Channel Spacing
 MSK
 f: 787.125000 MHz



Delta Freq. 70.0 kHz
 Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

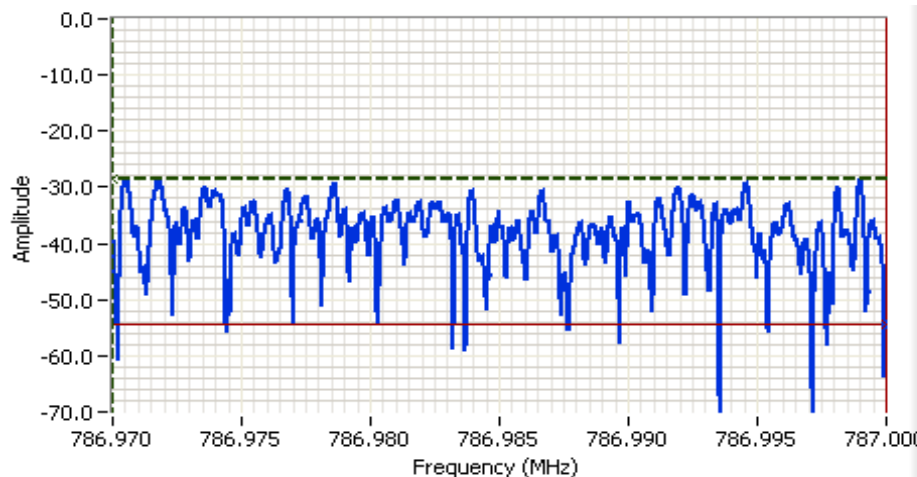
Agilent Technologies, E4446A
 CF: 786.850 MHz
 SPAN: 100 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.5s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -30.37dBm
 100.0 kHz Channel Spacing
 MSK
 f: 787.125000 MHz

Cursor 1 786.8000 -47.4
 Cursor 2 786.9000 -73.4

Delta Freq. 100 kHz
 Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 786.985 MHz
 SPAN: 30.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

Comments

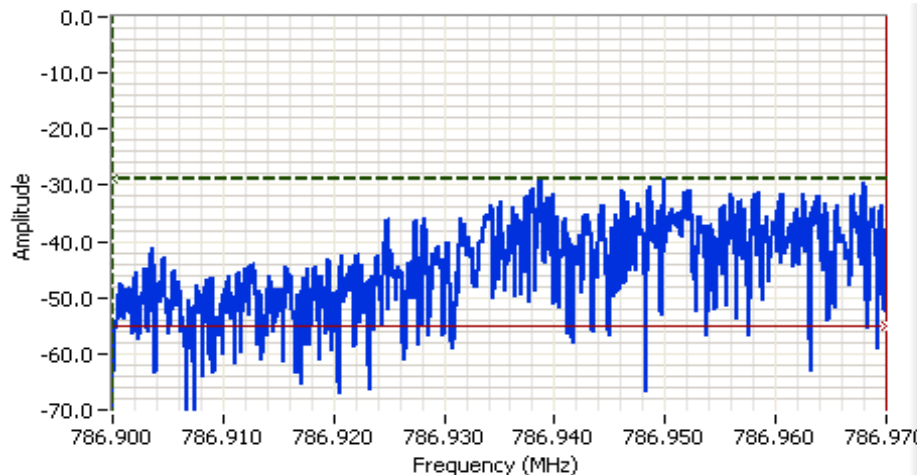
Power over span: -14.05dBm
 100.0 kHz Channel Spacing
 QPSK
 f: 787.125000 MHz

Cursor 1 786.9700 -28.4
 Cursor 2 787.0000 -54.4

Delta Freq. 30.0 kHz
 Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

Agilent Technologies, E4446A
 CF: 786.935 MHz
 SPAN: 70.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.1s
 Ref Lvl: 42.0 DBM

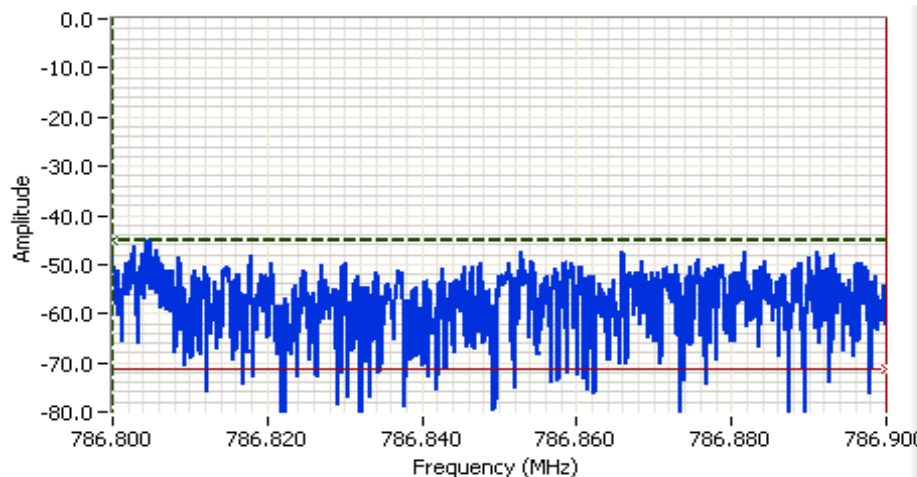
Comments

Power over span: -13.93dBm
 100.0 kHz Channel Spacing
 QPSK
 f: 787.125000 MHz

Cursor 1 786.9000 -28.9
 Cursor 2 786.9700 -54.9

Delta Freq. 70.0 kHz

Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 786.850 MHz
 SPAN: 100 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.5s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -27.87dBm
 100.0 kHz Channel Spacing
 QPSK
 f: 787.125000 MHz

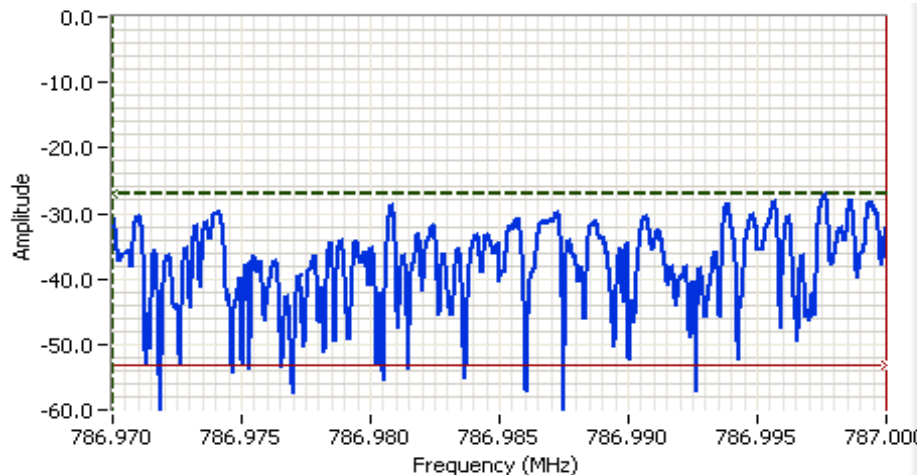
Cursor 1 786.8000 -45.2
 Cursor 2 786.9000 -71.2

Delta Freq. 100 kHz

Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

Agilent Technologies, E4446A
 CF: 786.985 MHz
 SPAN: 30.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

Comments

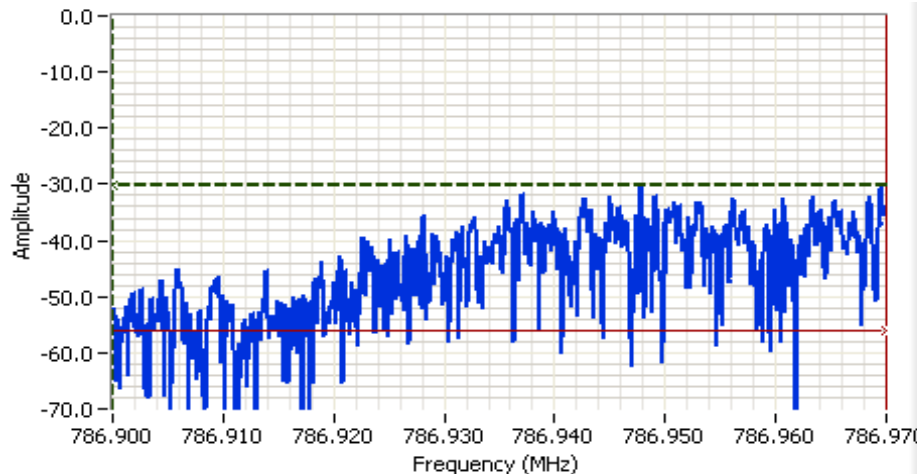
Power over span: -13.36dBm
 100.0 kHz Channel Spacing
 8PSK
 f: 787.125000 MHz

Cursor 1 786.9700 -27.1

Cursor 2 787.0000 -53.1

Delta Freq. 30.0 kHz

Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 786.935 MHz
 SPAN: 70.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.1s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -15.05dBm
 100.0 kHz Channel Spacing
 8PSK
 f: 787.125000 MHz

Cursor 1 786.9000 -30.1

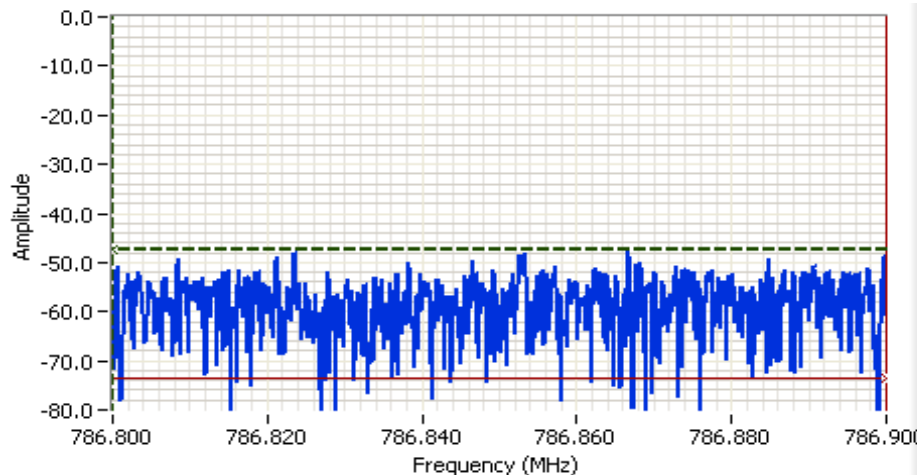
Cursor 2 786.9700 -56.1

Delta Freq. 70.0 kHz

Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

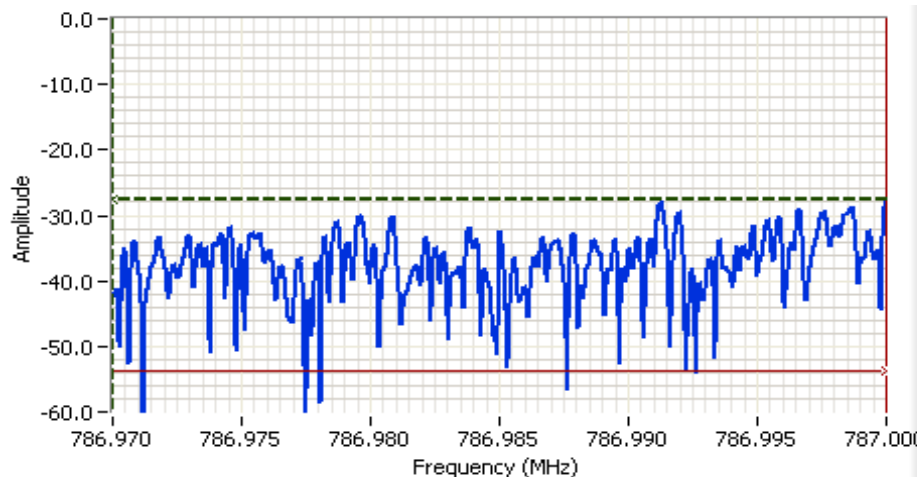
Agilent Technologies, E4446A
 CF: 786.850 MHz
 SPAN: 100 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.5s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -29.60dBm
 100.0 kHz Channel Spacing
 8PSK
 f: 787.125000 MHz

Cursor 1 786.8000 -47.4
 Cursor 2 786.9000 -73.4

Delta Freq. 100 kHz
 Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 786.985 MHz
 SPAN: 30.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

Comments

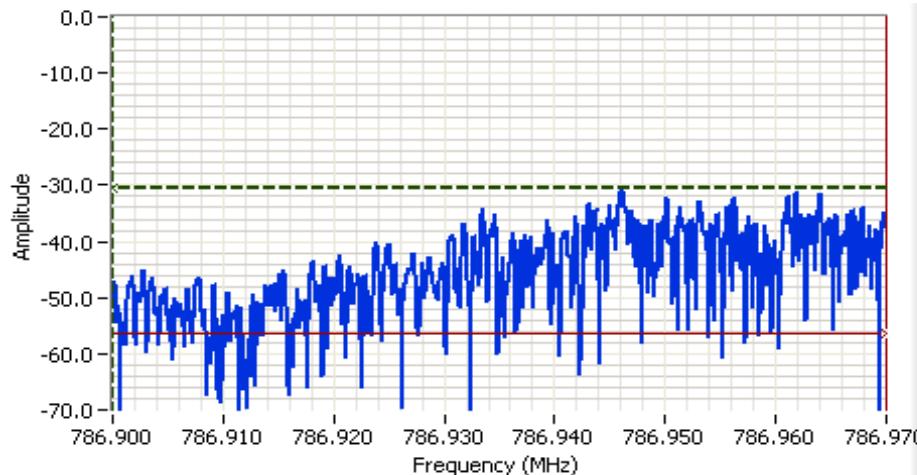
Power over span: -13.95dBm
 100.0 kHz Channel Spacing
 16QAM
 f: 787.125000 MHz

Cursor 1 786.9700 -27.7
 Cursor 2 787.0000 -53.7

Delta Freq. 30.0 kHz
 Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

Agilent Technologies, E4446A
 CF: 786.935 MHz
 SPAN: 70.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.1s
 Ref Lvl: 42.0 DBM

Comments

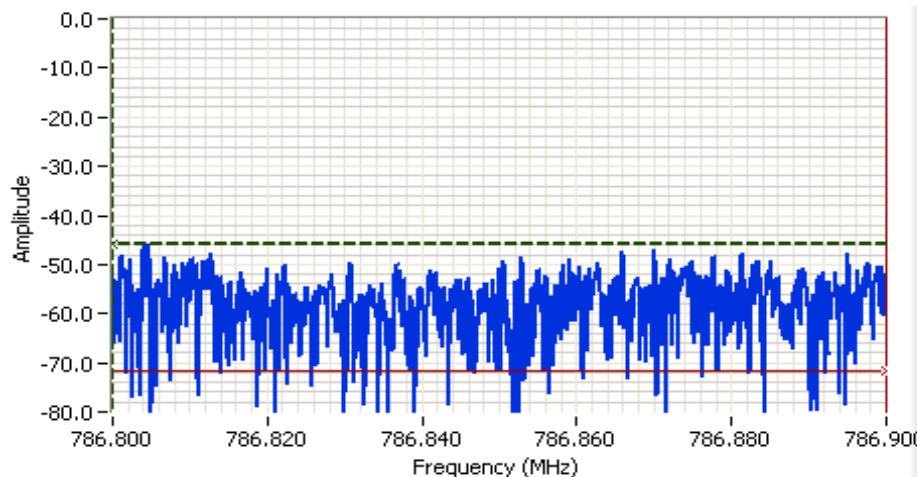
Power over span: -15.52dBm
 100.0 kHz Channel Spacing
 16QAM
 f: 787.125000 MHz

Cursor 1 786.9000 -30.5

Cursor 2 786.9700 -56.5

Delta Freq. 70.0 kHz

Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 786.850 MHz
 SPAN: 100 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.5s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -28.45dBm
 100.0 kHz Channel Spacing
 16QAM
 f: 787.125000 MHz

Cursor 1 786.8000 -45.7

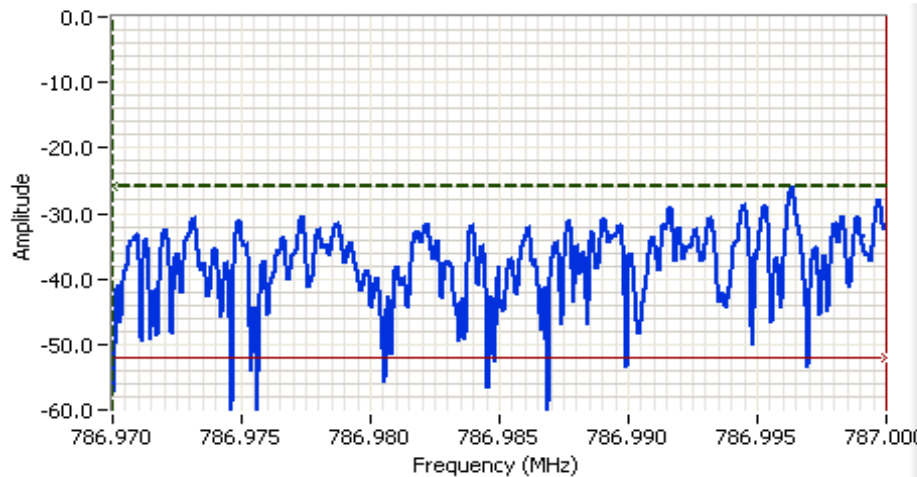
Cursor 2 786.9000 -71.7

Delta Freq. 100 kHz

Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

Agilent Technologies, E4446A
 CF: 786.985 MHz
 SPAN: 30.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

Comments

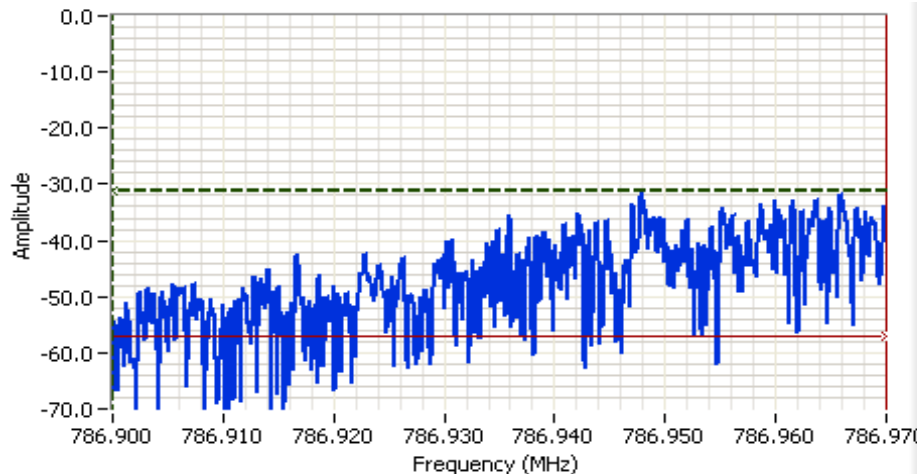
Power over span: -13.65dBm
 100.0 kHz Channel Spacing
 32QAM
 f: 787.125000 MHz

Cursor 1 786.9700 -26.0

Cursor 2 787.0000 -52.0

Delta Freq. 30.0 kHz

Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 786.935 MHz
 SPAN: 70.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.1s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -16.76dBm
 100.0 kHz Channel Spacing
 32QAM
 f: 787.125000 MHz

Cursor 1 786.9000 -31.1

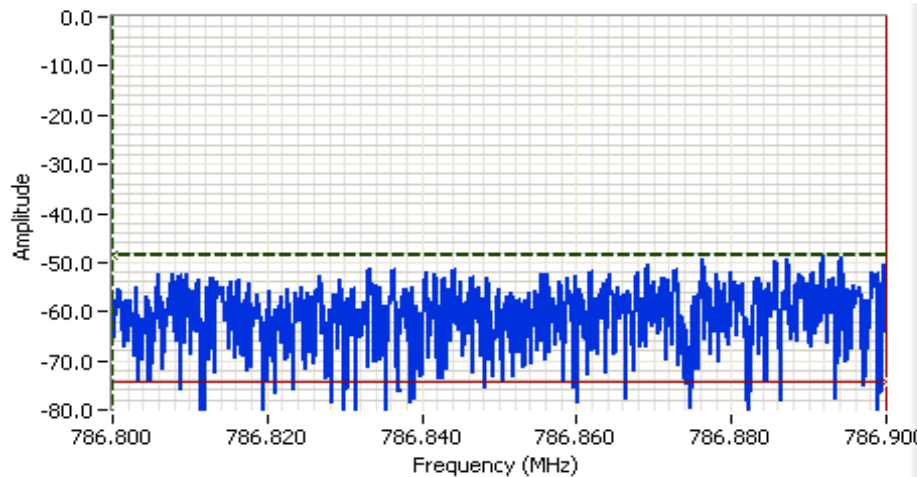
Cursor 2 786.9700 -57.1

Delta Freq. 70.0 kHz

Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

Agilent Technologies, E4446A
 CF: 786.850 MHz
 SPAN: 100 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.5s
 Ref Lvl: 42.0 DBM

Comments

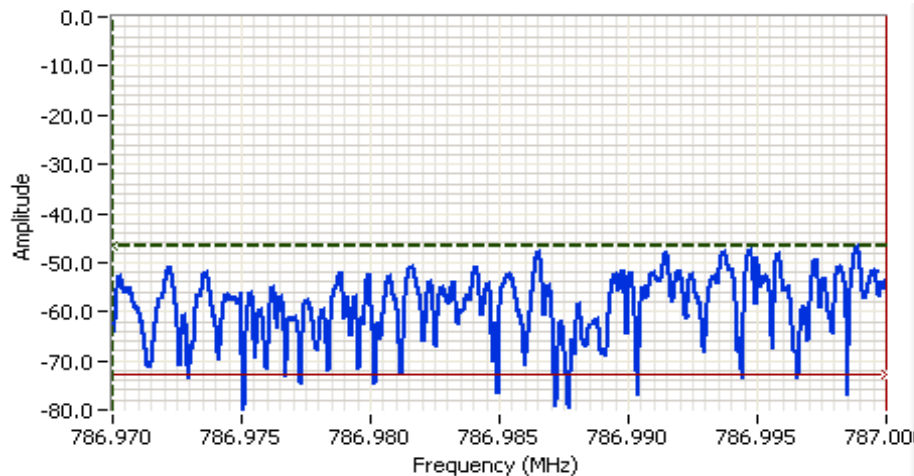
Power over span: -31.00dBm
 100.0 kHz Channel Spacing
 32QAM
 f: 787.125000 MHz

Cursor 1	786.8000	-48.4			
Cursor 2	786.9000	-74.4			

Delta Freq. 100 kHz
 Delta Amplitude 26.0

Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A

Block edge at 787 MHz, 200 kHz channel spacing

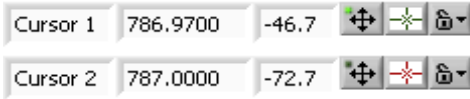


Analyzer Settings

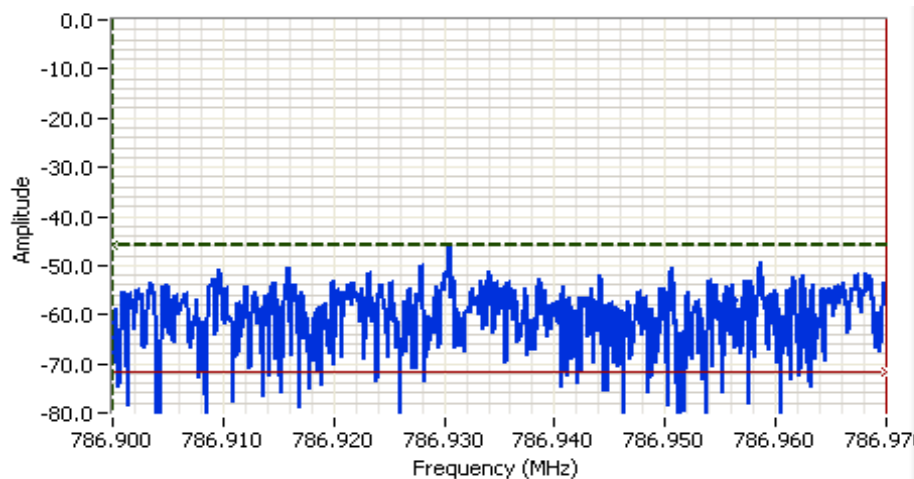
Agilent Technologies, E4446A
 CF: 786.985 MHz
 SPAN: 30.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -33.83dBm
 200.0 kHz Channel Spacing
 MSK
 f: 787.237500 MHz



Delta Freq. 30.0 kHz
 Delta Amplitude 26.0

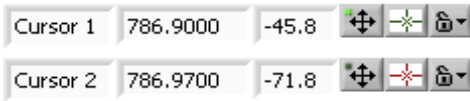


Analyzer Settings

Agilent Technologies, E4446A
 CF: 786.935 MHz
 SPAN: 70.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.1s
 Ref Lvl: 42.0 DBM

Comments

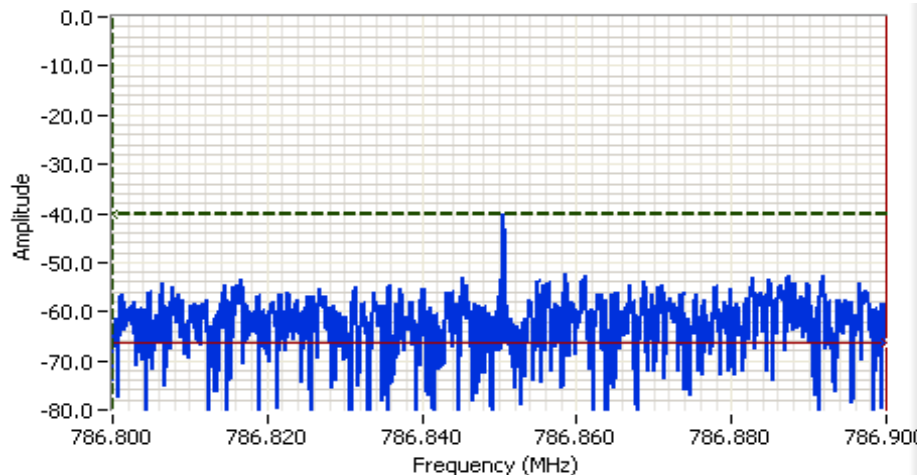
Power over span: -32.30dBm
 200.0 kHz Channel Spacing
 MSK
 f: 787.237500 MHz



Delta Freq. 70.0 kHz
 Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

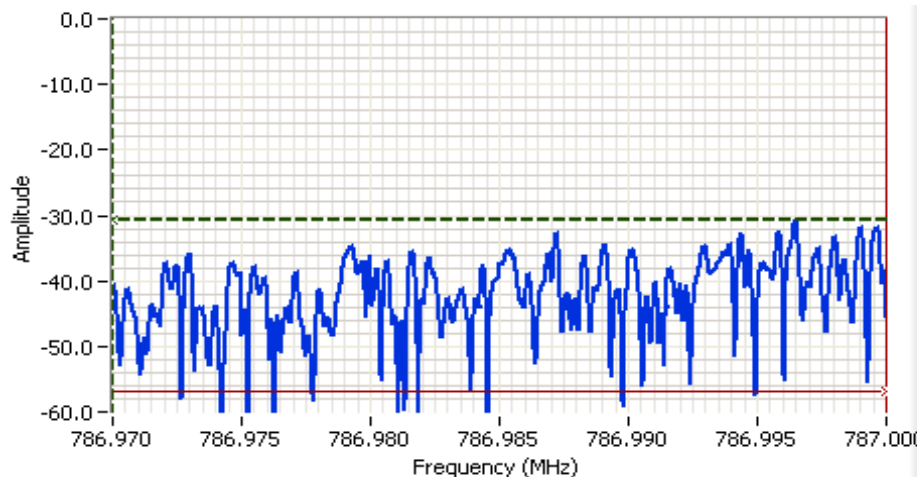
Agilent Technologies, E4446A
 CF: 786.850 MHz
 SPAN: 100 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.5s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -32.64dBm
 200.0 kHz Channel Spacing
 MSK
 f: 787.237500 MHz

Cursor 1 786.8000 -40.3
 Cursor 2 786.9000 -66.3

Delta Freq. 100 kHz
 Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 786.985 MHz
 SPAN: 30.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

Comments

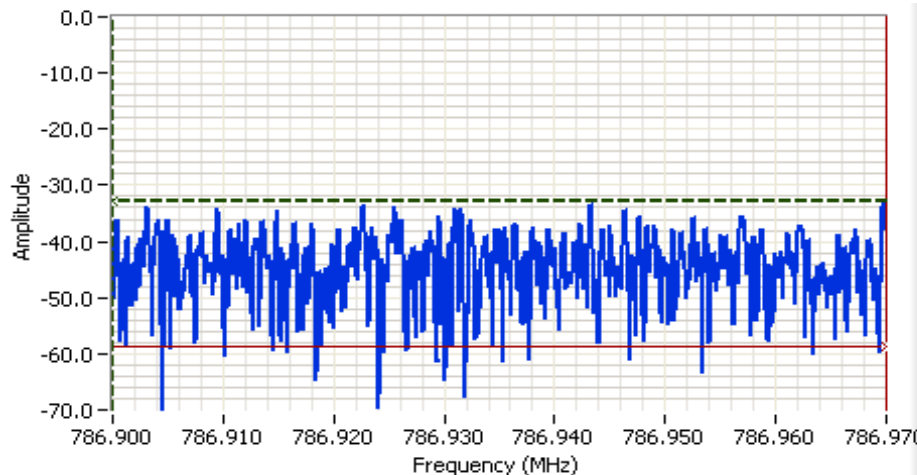
Power over span: -17.83dBm
 200.0 kHz Channel Spacing
 QPSK
 f: 787.237500 MHz

Cursor 1 786.9700 -30.8
 Cursor 2 787.0000 -56.8

Delta Freq. 30.0 kHz
 Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

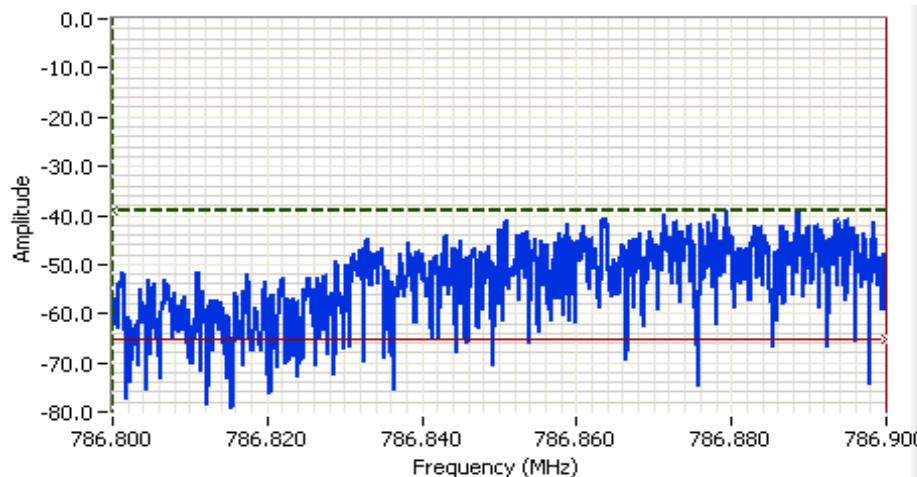
Agilent Technologies, E4446A
 CF: 786.935 MHz
 SPAN: 70.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.1s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -16.38dBm
 200.0 kHz Channel Spacing
 QPSK
 f: 787.237500 MHz

Cursor 1 786.9000 -32.8
 Cursor 2 786.9700 -58.8

Delta Freq. 70.0 kHz
 Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 786.850 MHz
 SPAN: 100 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.5s
 Ref Lvl: 42.0 DBM

Comments

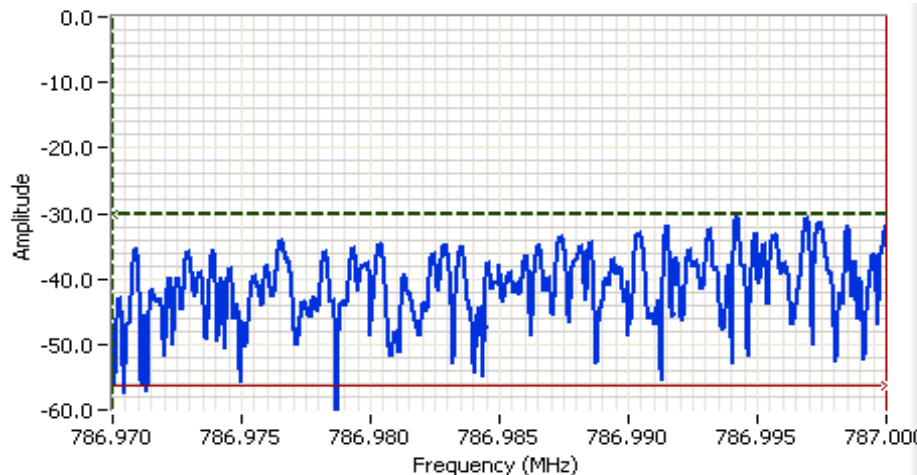
Power over span: -22.03dBm
 200.0 kHz Channel Spacing
 QPSK
 f: 787.237500 MHz

Cursor 1 786.8000 -39.1
 Cursor 2 786.9000 -65.1

Delta Freq. 100 kHz
 Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

Agilent Technologies, E4446A
 CF: 786.985 MHz
 SPAN: 30.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

Comments

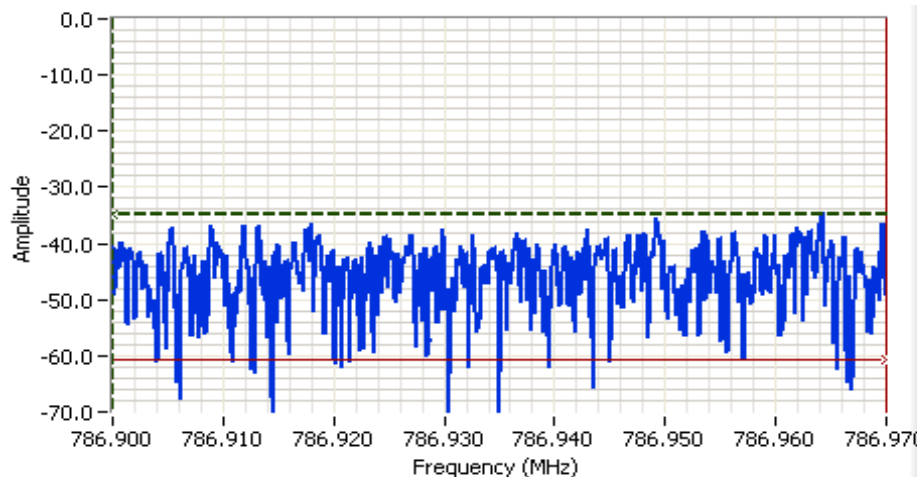
Power over span: -17.09dBm
 200.0 kHz Channel Spacing
 8PSK
 f: 787.237500 MHz

Cursor 1 786.9700 -30.2

Cursor 2 787.0000 -56.2

Delta Freq. 30.0 kHz

Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 786.935 MHz
 SPAN: 70.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.1s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -17.97dBm
 200.0 kHz Channel Spacing
 8PSK
 f: 787.237500 MHz

Cursor 1 786.9000 -34.7

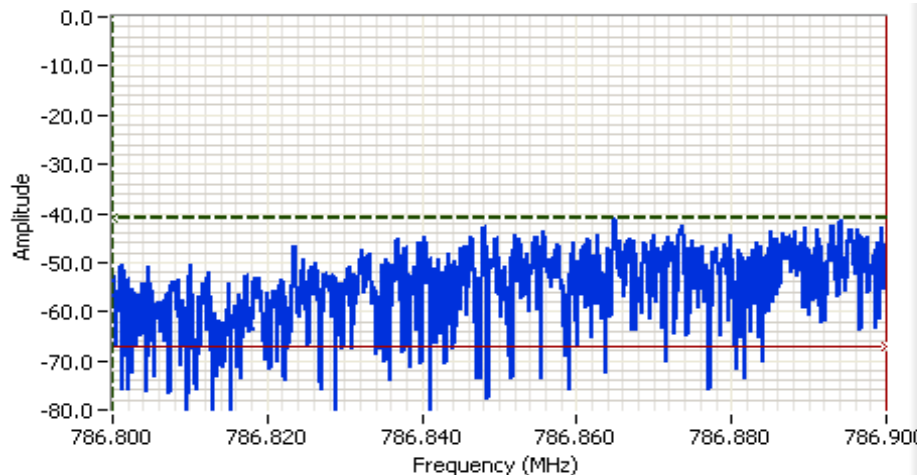
Cursor 2 786.9700 -60.7

Delta Freq. 70.0 kHz

Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

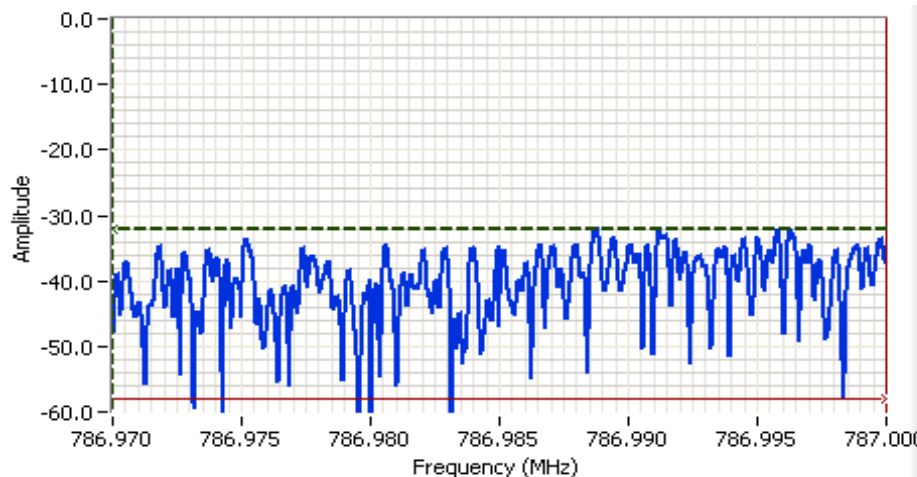
Agilent Technologies, E4446A
 CF: 786.850 MHz
 SPAN: 100 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.5s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -23.87dBm
 200.0 kHz Channel Spacing
 8PSK
 f: 787.237500 MHz

Cursor 1	786.8000	-41.1	
Cursor 2	786.9000	-67.1	

Delta Freq. 100 kHz
 Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 786.985 MHz
 SPAN: 30.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

Comments

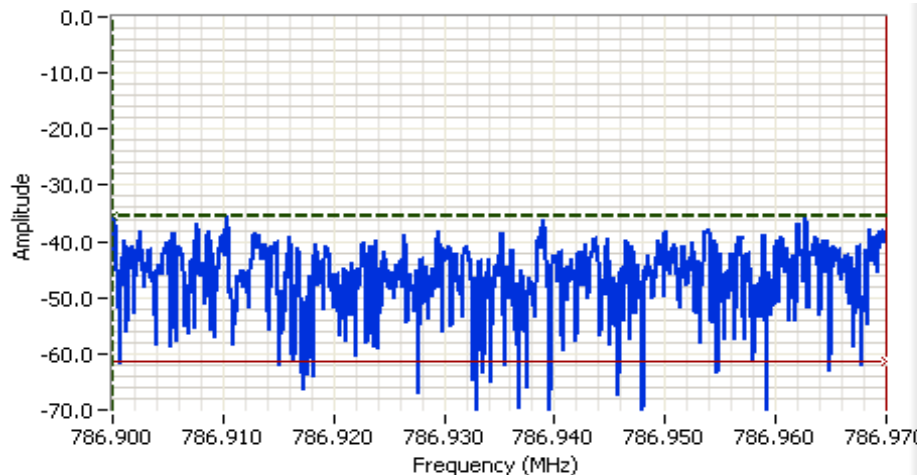
Power over span: -16.72dBm
 200.0 kHz Channel Spacing
 16QAM
 f: 787.237500 MHz

Cursor 1	786.9700	-32.1	
Cursor 2	787.0000	-58.1	

Delta Freq. 30.0 kHz
 Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

Agilent Technologies, E4446A
 CF: 786.935 MHz
 SPAN: 70.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.1s
 Ref Lvl: 42.0 DBM

Comments

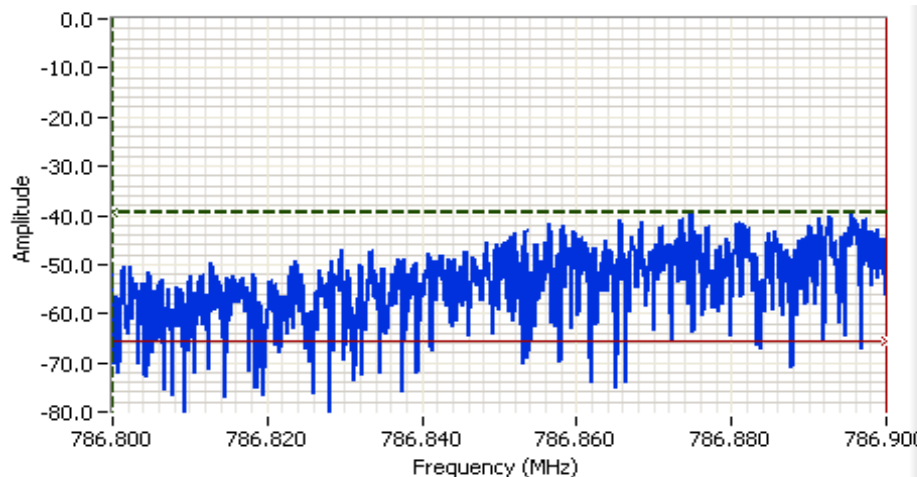
Power over span: -18.46dBm
 200.0 kHz Channel Spacing
 16QAM
 f: 787.237500 MHz

Cursor 1 786.9000 -35.4

Cursor 2 786.9700 -61.4

Delta Freq. 70.0 kHz

Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 786.850 MHz
 SPAN: 100 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.5s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -22.74dBm
 200.0 kHz Channel Spacing
 16QAM
 f: 787.237500 MHz

Cursor 1 786.8000 -39.5

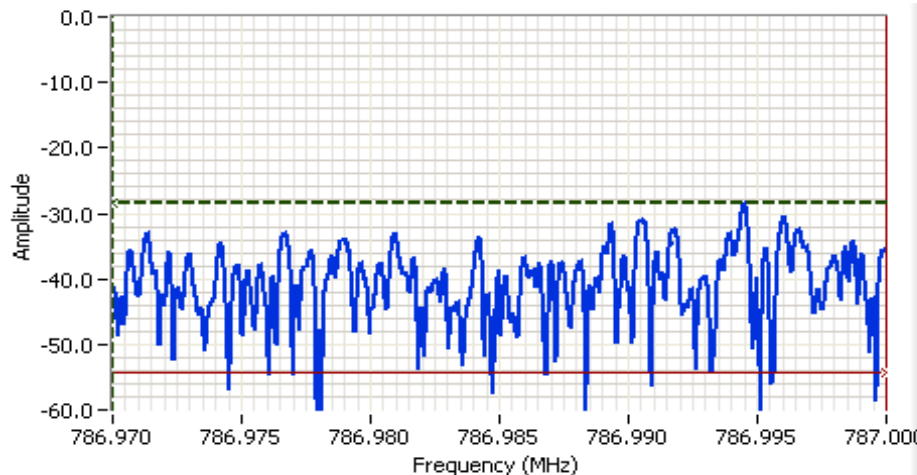
Cursor 2 786.9000 -65.5

Delta Freq. 100 kHz

Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

Agilent Technologies, E4446A
 CF: 786.985 MHz
 SPAN: 30.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

Comments

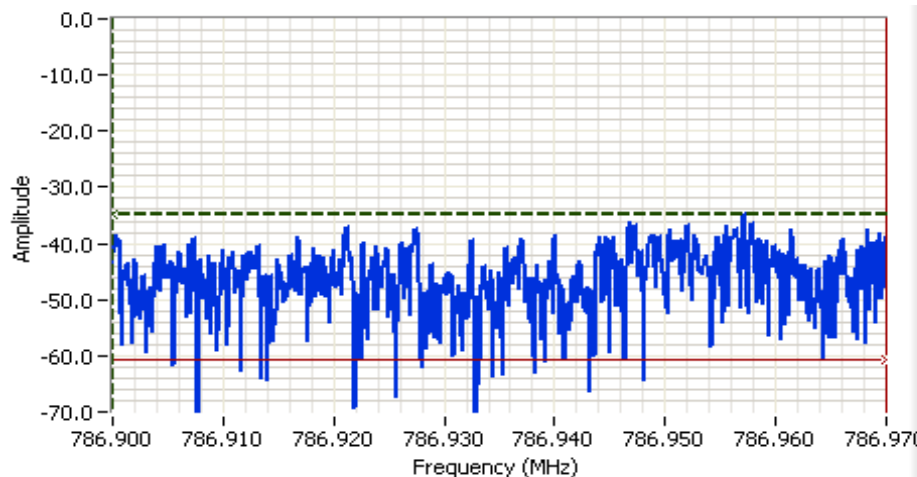
Power over span: -16.56dBm
 200.0 kHz Channel Spacing
 32QAM
 f: 787.237500 MHz

Cursor 1 786.9700 -28.3

Cursor 2 787.0000 -54.3

Delta Freq. 30.0 kHz

Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 786.935 MHz
 SPAN: 70.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.1s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -18.54dBm
 200.0 kHz Channel Spacing
 32QAM
 f: 787.237500 MHz

Cursor 1 786.9000 -34.7

Cursor 2 786.9700 -60.7

Delta Freq. 70.0 kHz

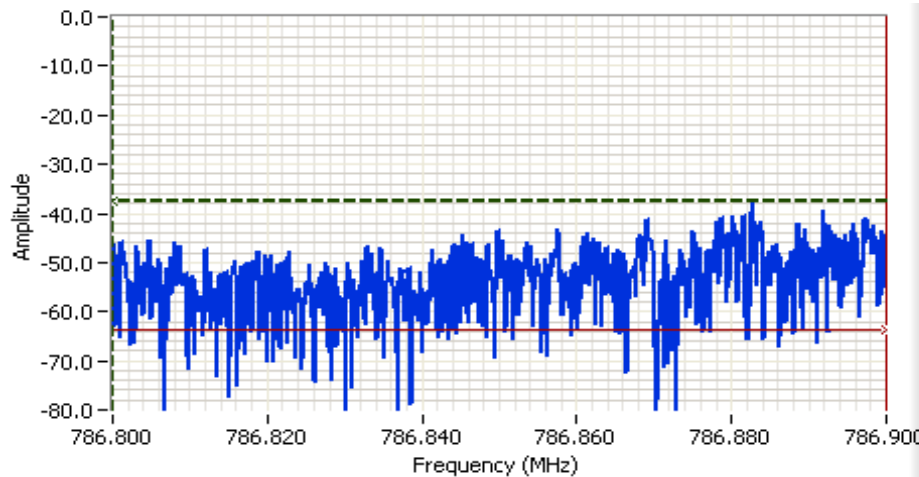
Delta Amplitude 26.0





EMC Test Data

Client:	Xetawave LLC	Job Number:	JD103419
Model:	Xeta7	T-Log Number:	T103448
Contact:	Sandee Malang	Project Manager:	Christine Krebill
Standard:	FCC Part 27	Project Coordinator:	-
		Class:	N/A



Analyzer Settings

Agilent Technologies, E4446A
CF: 786.850 MHz
SPAN: 100 kHz
RB: 200 Hz
VB: 2.00 kHz
Detector: POS
Attn: 30 DB
RL Offset: 23.2 DB
Sweep Time: 1.5s
Ref Lvl: 42.0 DBM

Comments

Power over span: -23.01dBm
200.0 kHz Channel Spacing
32QAM
f: 787.237500 MHz

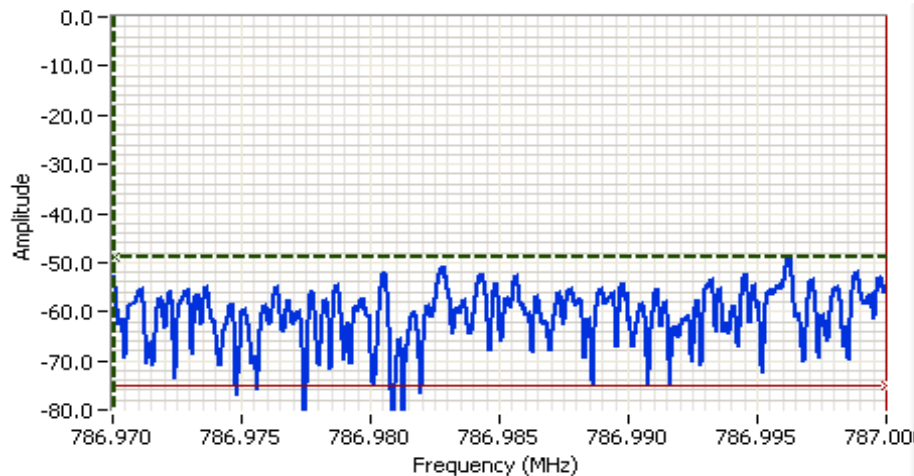
Cursor 1	786.8000	-37.6	
Cursor 2	786.9000	-63.6	

Delta Freq. 100 kHz
Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A

Block edge at 787 MHz, 250 kHz channel spacing

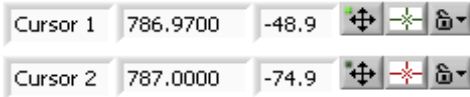


Analyzer Settings

Agilent Technologies, E4446A
 CF: 786.985 MHz
 SPAN: 30.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

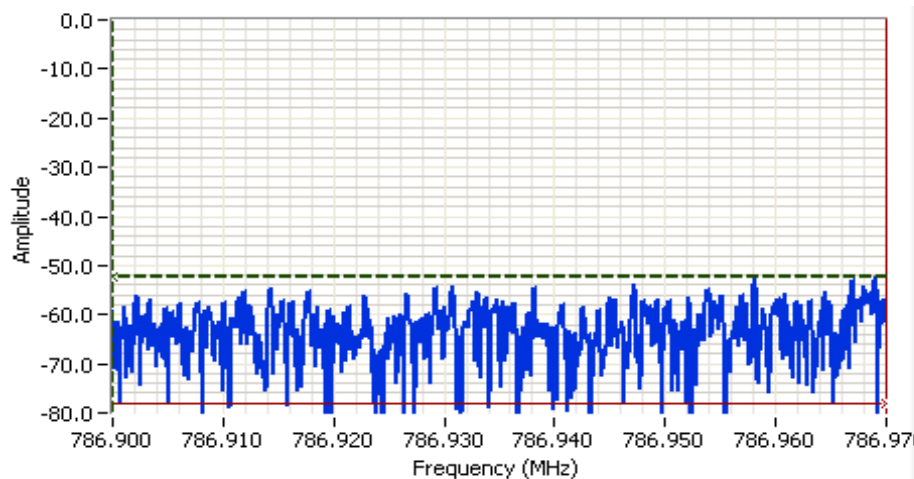
Comments

Power over span: -36.67dBm
 250.0 kHz Channel Spacing
 MSK
 f: 787.300000 MHz



Delta Freq. 30.0 kHz

Delta Amplitude 26.0

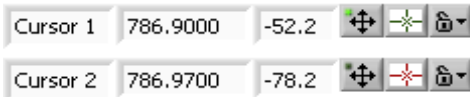


Analyzer Settings

Agilent Technologies, E4446A
 CF: 786.935 MHz
 SPAN: 70.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.1s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -35.80dBm
 250.0 kHz Channel Spacing
 MSK
 f: 787.300000 MHz

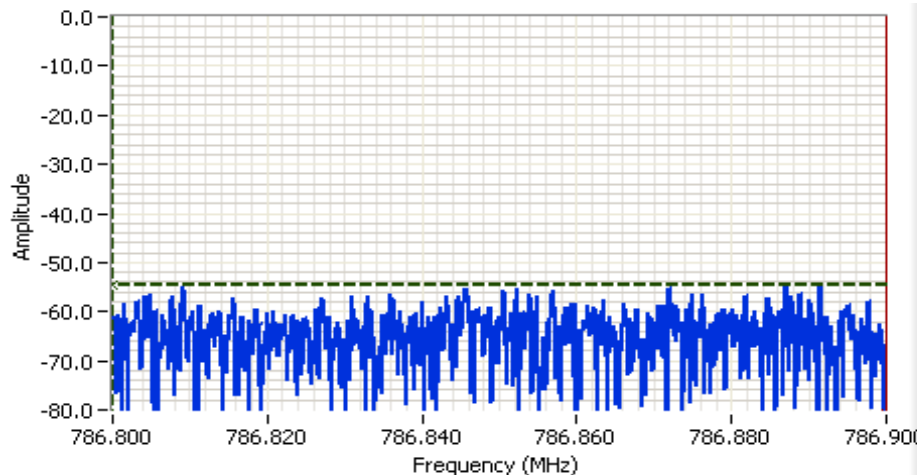


Delta Freq. 70.0 kHz

Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

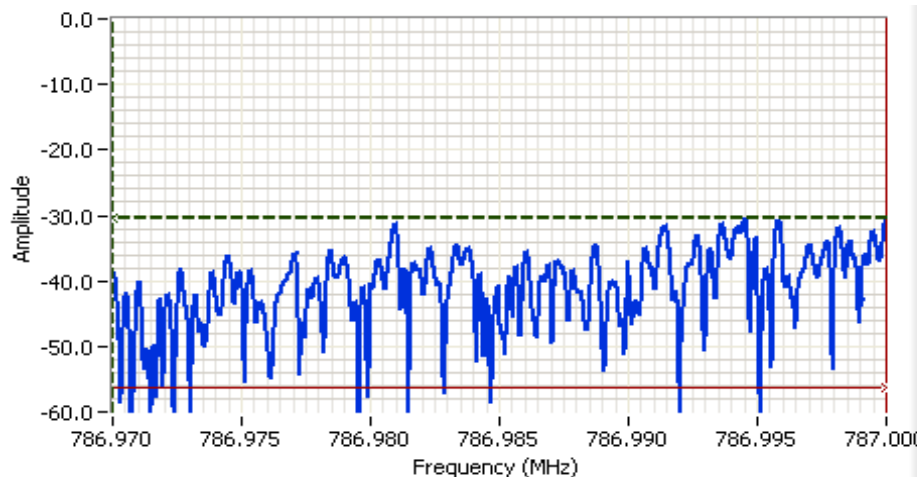
Agilent Technologies, E4446A
 CF: 786.850 MHz
 SPAN: 100 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.6s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -35.92dBm
 250.0 kHz Channel Spacing
 MSK
 f: 787.300000 MHz

Cursor 1 786.8000 -54.7
 Cursor 2 786.9000 -80.7

Delta Freq. 100 kHz
 Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 786.985 MHz
 SPAN: 30.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

Comments

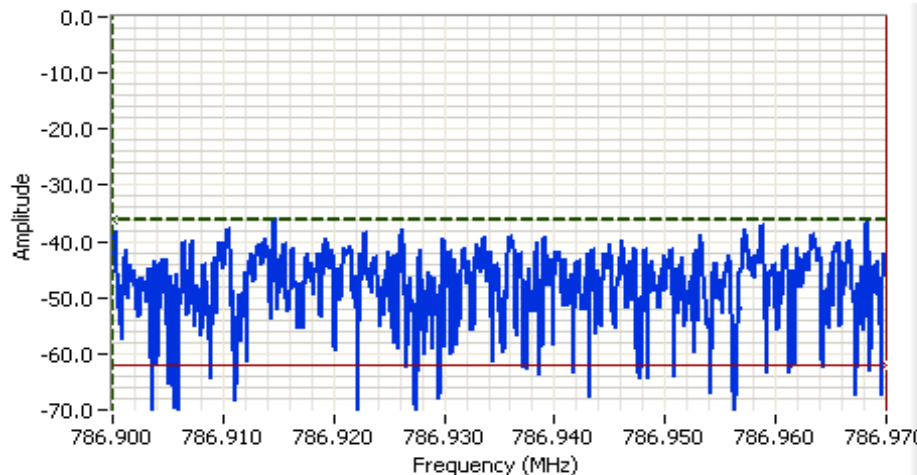
Power over span: -16.70dBm
 250.0 kHz Channel Spacing
 QPSK
 f: 787.300000 MHz

Cursor 1 786.9700 -30.4
 Cursor 2 787.0000 -56.4

Delta Freq. 30.0 kHz
 Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

Agilent Technologies, E4446A
 CF: 786.935 MHz
 SPAN: 70.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.1s
 Ref Lvl: 42.0 DBM

Comments

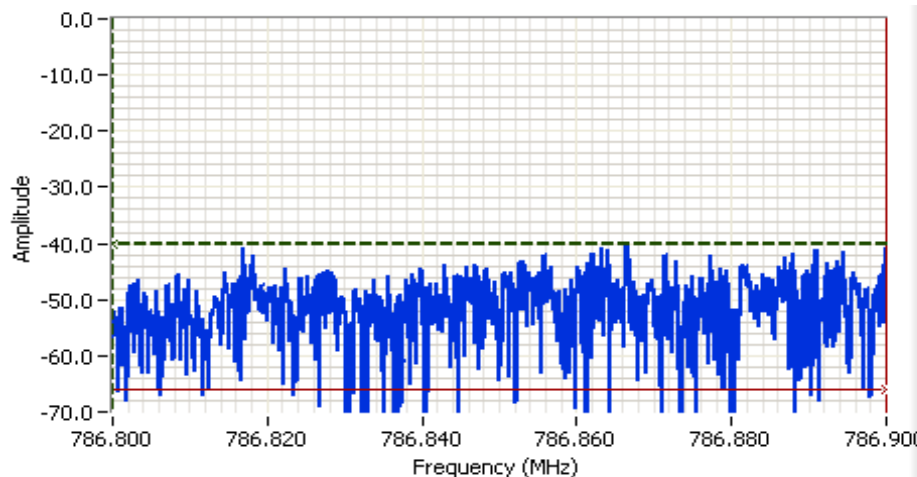
Power over span: -19.57dBm
 250.0 kHz Channel Spacing
 QPSK
 f: 787.300000 MHz

Cursor 1 786.9000 -36.0

Cursor 2 786.9700 -62.0

Delta Freq. 70.0 kHz

Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 786.850 MHz
 SPAN: 100 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.5s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -22.22dBm
 250.0 kHz Channel Spacing
 QPSK
 f: 787.300000 MHz

Cursor 1 786.8000 -40.0

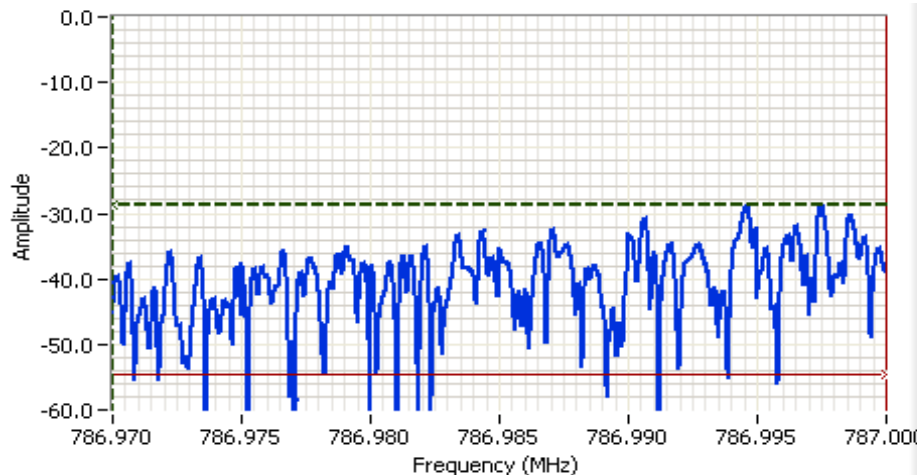
Cursor 2 786.9000 -66.0

Delta Freq. 100 kHz

Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

Agilent Technologies, E4446A
 CF: 786.985 MHz
 SPAN: 30.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

Comments

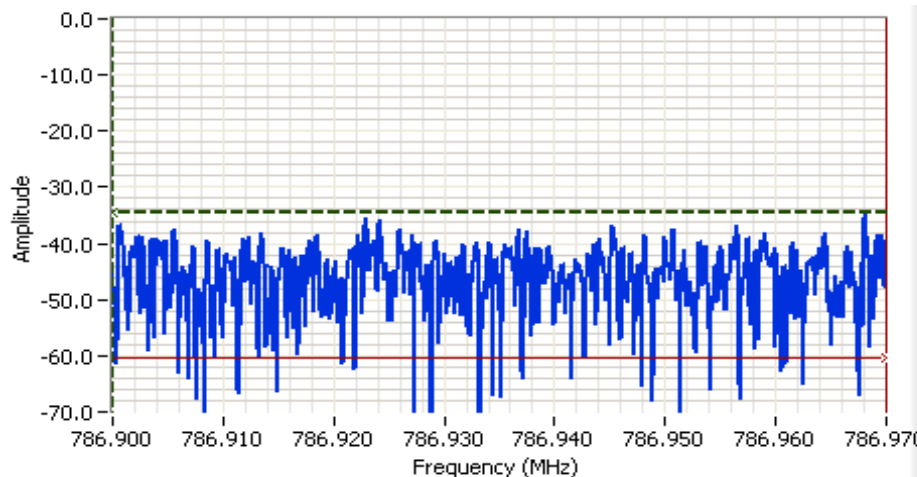
Power over span: -16.18dBm
 250.0 kHz Channel Spacing
 8PSK
 f: 787.300000 MHz

Cursor 1 786.9700 -28.6

Cursor 2 787.0000 -54.6

Delta Freq. 30.0 kHz

Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 786.935 MHz
 SPAN: 70.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.1s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -18.37dBm
 250.0 kHz Channel Spacing
 8PSK
 f: 787.300000 MHz

Cursor 1 786.9000 -34.5

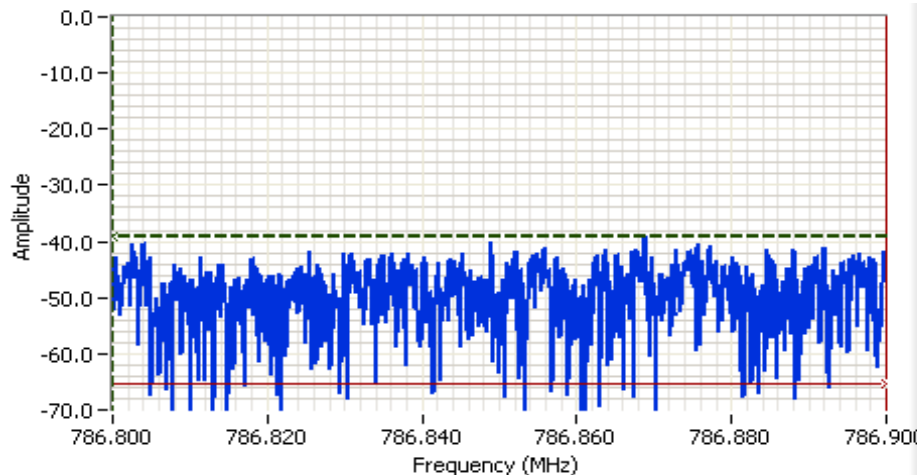
Cursor 2 786.9700 -60.5

Delta Freq. 70.0 kHz

Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

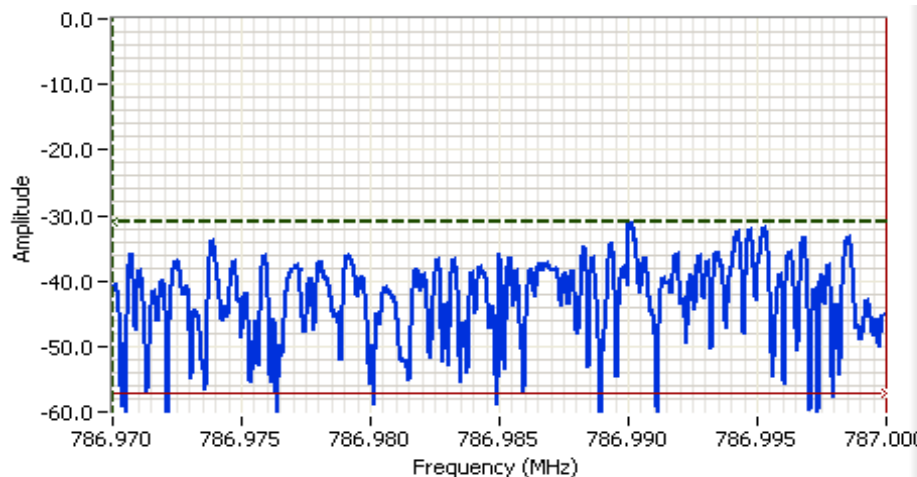
Agilent Technologies, E4446A
 CF: 786.850 MHz
 SPAN: 100 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.5s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -20.40dBm
 250.0 kHz Channel Spacing
 8PSK
 f: 787.300000 MHz

Cursor 1 786.8000 -39.3
 Cursor 2 786.9000 -65.3

Delta Freq. 100 kHz
 Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 786.985 MHz
 SPAN: 30.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

Comments

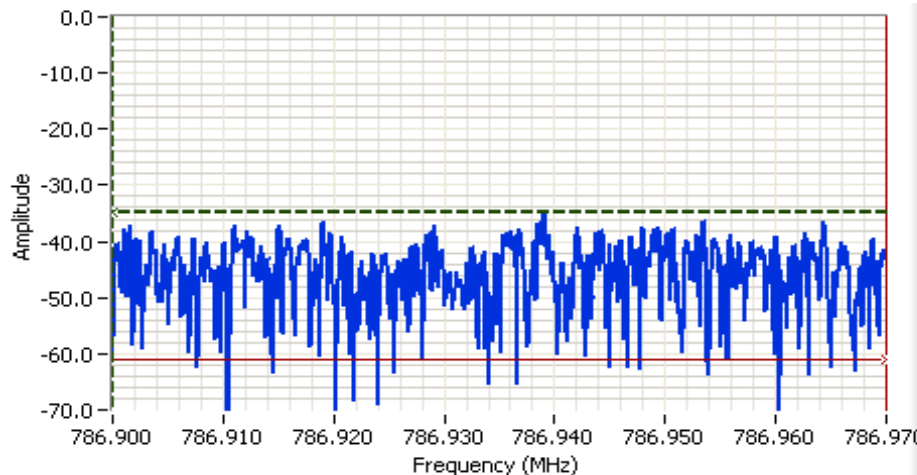
Power over span: -18.20dBm
 250.0 kHz Channel Spacing
 16QAM
 f: 787.300000 MHz

Cursor 1 786.9700 -31.1
 Cursor 2 787.0000 -57.1

Delta Freq. 30.0 kHz
 Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

Agilent Technologies, E4446A
 CF: 786.935 MHz
 SPAN: 70.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.1s
 Ref Lvl: 42.0 DBM

Comments

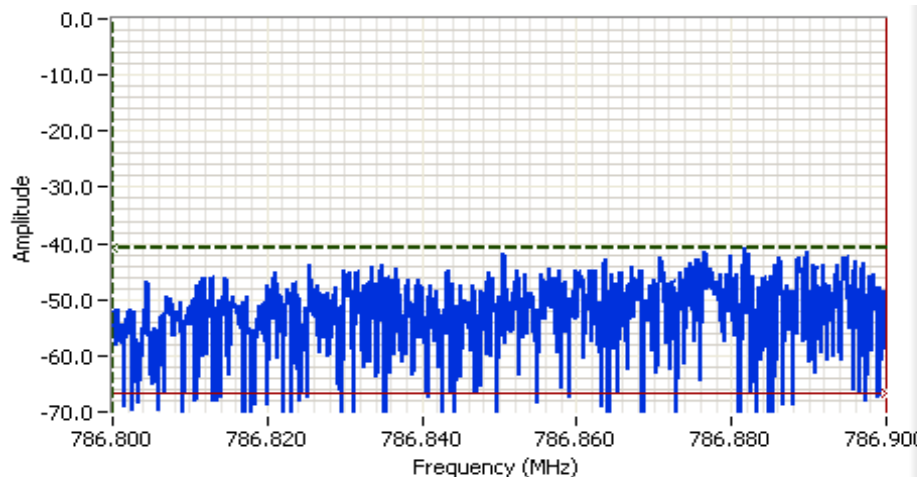
Power over span: -17.98dBm
 250.0 kHz Channel Spacing
 16QAM
 f: 787.300000 MHz

Cursor 1 786.9000 -34.9

Cursor 2 786.9700 -60.9

Delta Freq. 70.0 kHz

Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 786.850 MHz
 SPAN: 100 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.5s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -22.82dBm
 250.0 kHz Channel Spacing
 16QAM
 f: 787.300000 MHz

Cursor 1 786.8000 -40.8

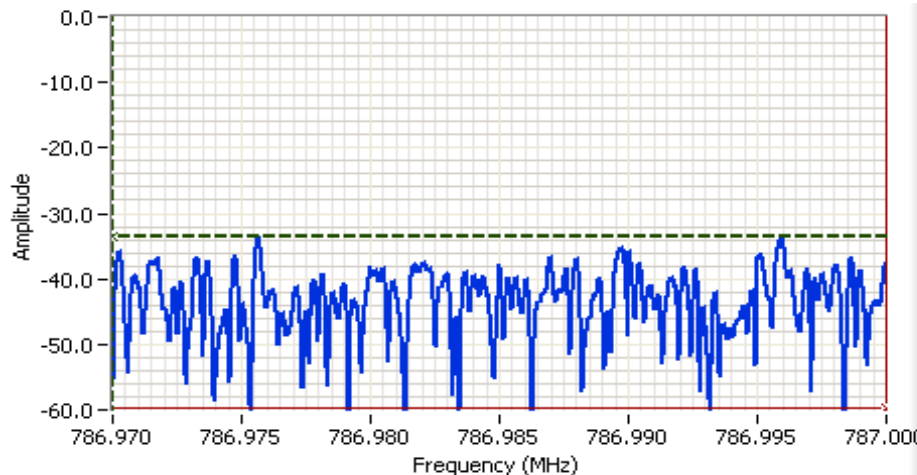
Cursor 2 786.9000 -66.8

Delta Freq. 100 kHz

Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

Agilent Technologies, E4446A
 CF: 786.985 MHz
 SPAN: 30.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

Comments

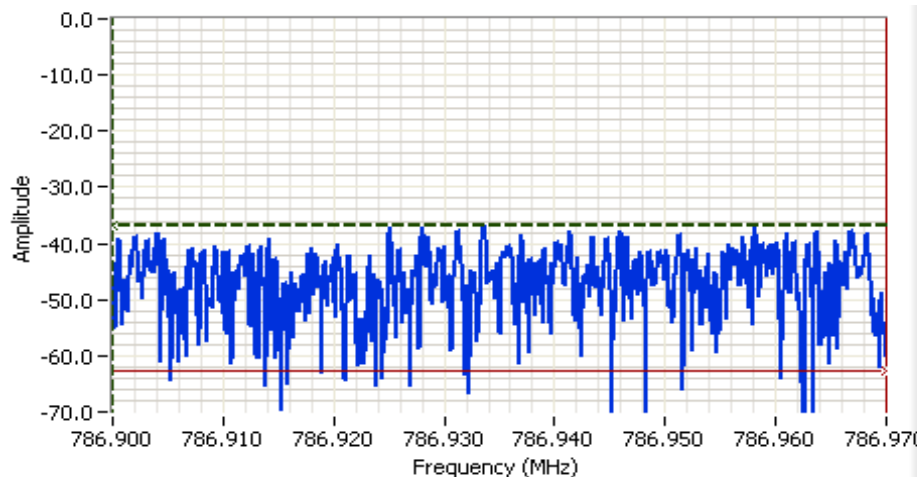
Power over span: -19.89dBm
 250.0 kHz Channel Spacing
 32QAM
 f: 787.300000 MHz

Cursor 1 786.9700 -33.7

Cursor 2 787.0000 -59.7

Delta Freq. 30.0 kHz

Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 786.935 MHz
 SPAN: 70.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.1s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -18.89dBm
 250.0 kHz Channel Spacing
 32QAM
 f: 787.300000 MHz

Cursor 1 786.9000 -36.7

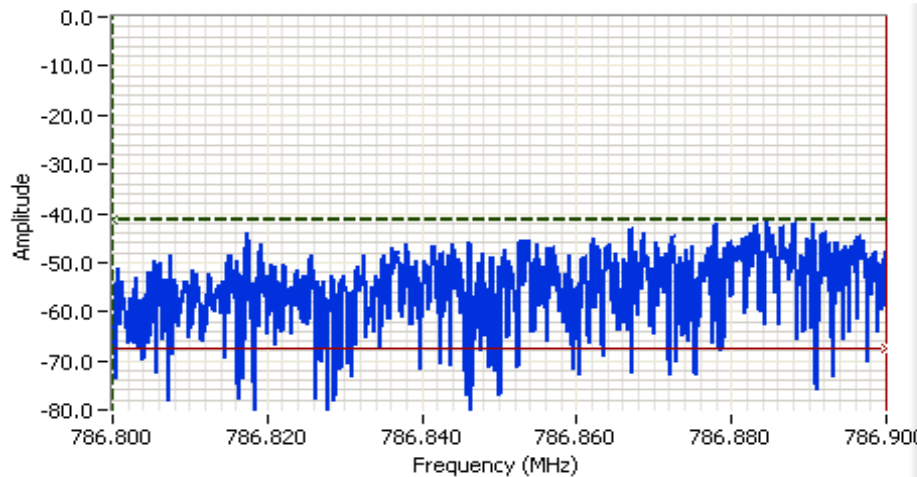
Cursor 2 786.9700 -62.7

Delta Freq. 70.0 kHz

Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

Agilent Technologies, E4446A
 CF: 786.850 MHz
 SPAN: 100 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.5s
 Ref Lvl: 42.0 DBm

Comments

Power over span: -24.47dBm
 250.0 kHz Channel Spacing
 32QAM
 f: 787.300000 MHz

Cursor 1	786.8000	-41.5			
Cursor 2	786.9000	-67.5			

Delta Freq. 100 kHz
 Delta Amplitude 26.0



EMC Test Data

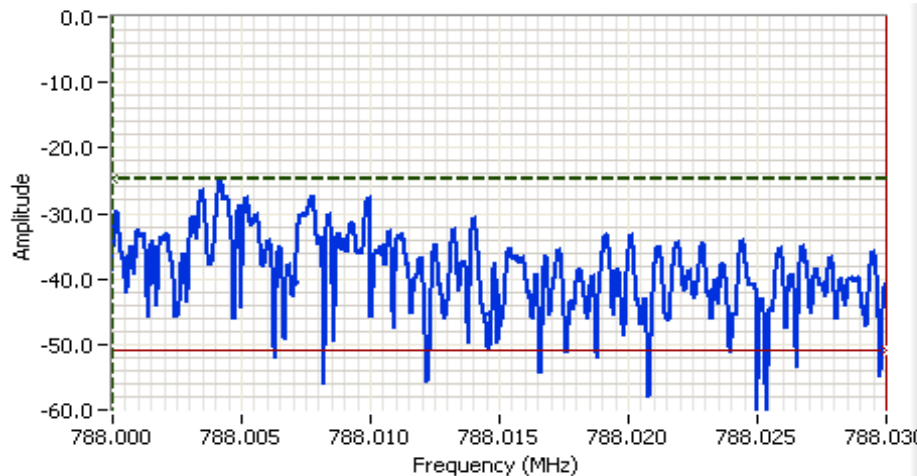
Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A

Run #2d: Band edge at 788 MHz

Power setting	Data rate	Channel plan	Modulation	Channel Frequency (MHz)	Measured dBm	Limit dBm	Result Pass/Fail
	10 kbps	12.5 kHz	MSK	787.968750	-14.0	-13.00	Pass
	23 kbps	12.5 kHz	QPSK	787.968750	-16.8	-13.00	Pass
	34 kbps	12.5 kHz	8PSK	787.968750	-15.1	-13.00	Pass
	45 kbps	12.5 kHz	16QAM	787.968750	-16.1	-13.00	Pass
	57 kbps	12.5 kHz	32QAM	787.968750	-15.4	-13.00	Pass
	19 kbps	25.0 kHz	MSK	787.950000	-20.8	-13.00	Pass
	36 kbps	25.0 kHz	QPSK	787.950000	-16.5	-13.00	Pass
	52 kbps	25.0 kHz	8PSK	787.950000	-20.6	-13.00	Pass
	70 kbps	25.0 kHz	16QAM	787.950000	-19.2	-13.00	Pass
	87 kbps	25.0 kHz	32QAM	787.950000	-20.8	-13.00	Pass
	39 kbps	50.0 kHz	MSK	787.906250	-25.6	-13.00	Pass
	71 kbps	50.0 kHz	QPSK	787.906250	-19.9	-13.00	Pass
	101 kbps	50.0 kHz	8PSK	787.906250	-22.4	-13.00	Pass
	137 kbps	50.0 kHz	16QAM	787.906250	-22.6	-13.00	Pass
	175 kbps	50.0 kHz	32QAM	787.906250	-21.9	-13.00	Pass
	76 kbps	100 kHz	MSK	787.875000	-27.2	-13.00	Pass
	160 kbps	100 kHz	QPSK	787.875000	-13.2	-13.00	Pass
	240 kbps	100 kHz	8PSK	787.875000	-15.2	-13.00	Pass
	320 kbps	100 kHz	16QAM	787.875000	-14.2	-13.00	Pass
	400 kbps	100 kHz	32QAM	787.875000	-15.6	-13.00	Pass
	153 kbps	200 kHz	MSK	787.762500	-29.6	-13.00	Pass
	320 kbps	200 kHz	QPSK	787.762500	-13.5	-13.00	Pass
	480 kbps	200 kHz	8PSK	787.762500	-14.6	-13.00	Pass
	640 kbps	200 kHz	16QAM	787.762500	-15.9	-13.00	Pass
	800 kbps	200 kHz	32QAM	787.762500	-15.8	-13.00	Pass
	194 kbps	250 kHz	MSK	787.700000	-31.1	-13.00	Pass
	403 kbps	250 kHz	QPSK	787.700000	-14.7	-13.00	Pass
	605 kbps	250 kHz	8PSK	787.700000	-16.0	-13.00	Pass
	806 kbps	250 kHz	16QAM	787.700000	-16.4	-13.00	Pass
	1008 kbps	250 kHz	32QAM	787.700000	-17.3	-13.00	Pass

Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A

Band edge at 788 MHz, 12.5 kHz channel spacing

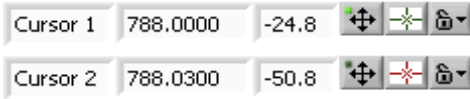


Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.015 MHz
 SPAN: 30.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

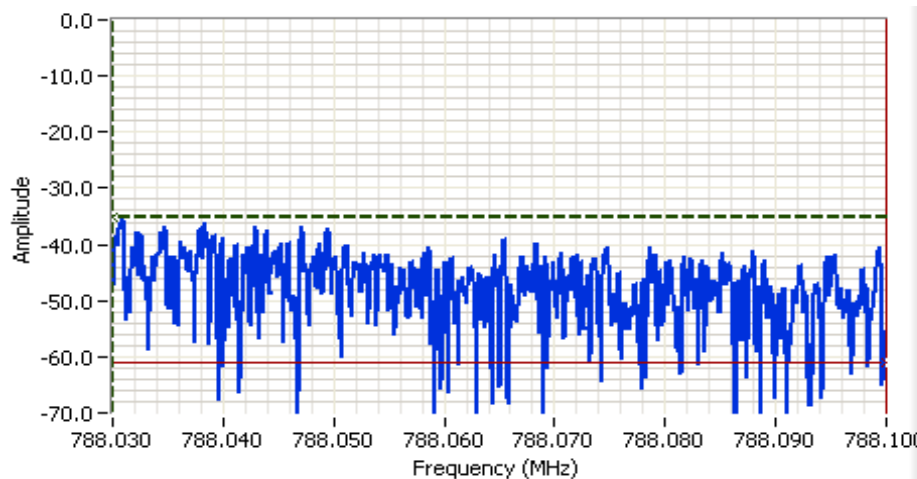
Comments

Power over span: -13.95dBm
 12.5 kHz Channel Spacing
 MSK
 f: 787.968750 MHz



Delta Freq. 30.0 kHz

Delta Amplitude 26.0

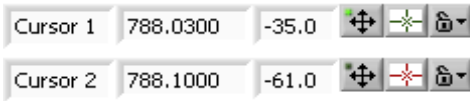


Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.065 MHz
 SPAN: 70.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.1s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -19.47dBm
 12.5 kHz Channel Spacing
 MSK
 f: 787.968750 MHz

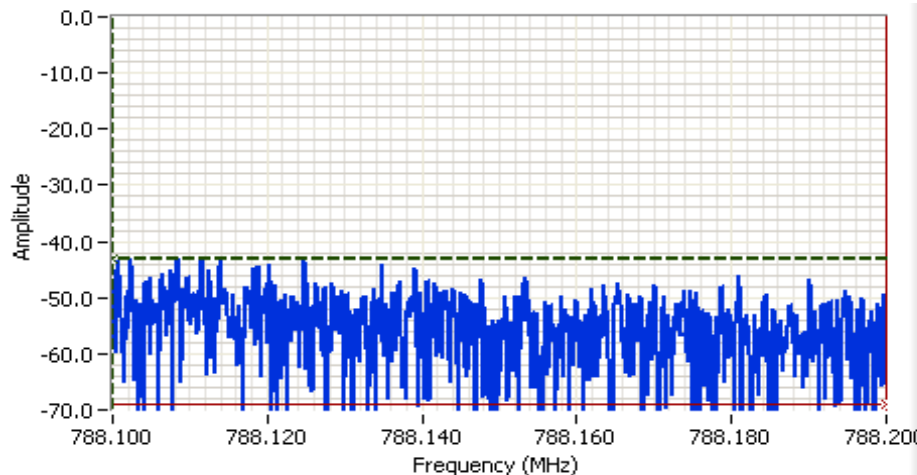


Delta Freq. 70.0 kHz

Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

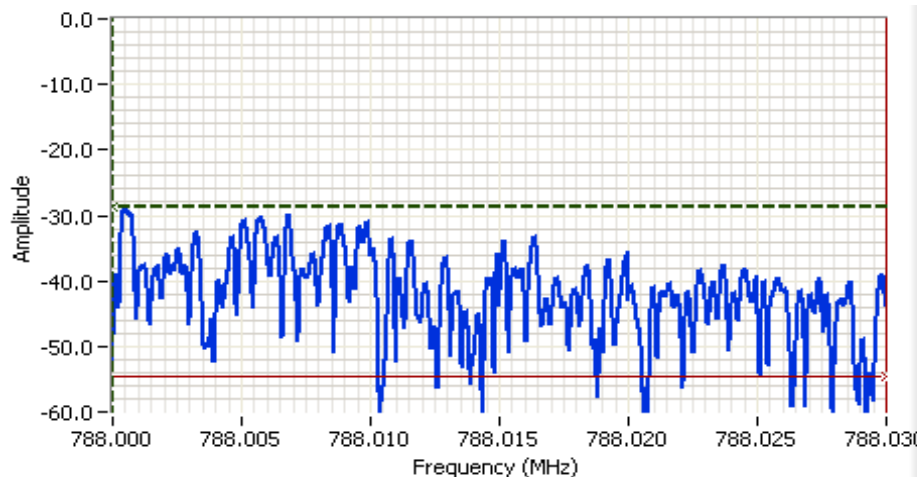
Agilent Technologies, E4446A
 CF: 788.150 MHz
 SPAN: 100 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.5s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -25.54dBm
 12.5 kHz Channel Spacing
 MSK
 f: 787.968750 MHz

Cursor 1 788.1000 -43.1
 Cursor 2 788.2000 -69.1

Delta Freq. 100 kHz
 Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.015 MHz
 SPAN: 30.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

Comments

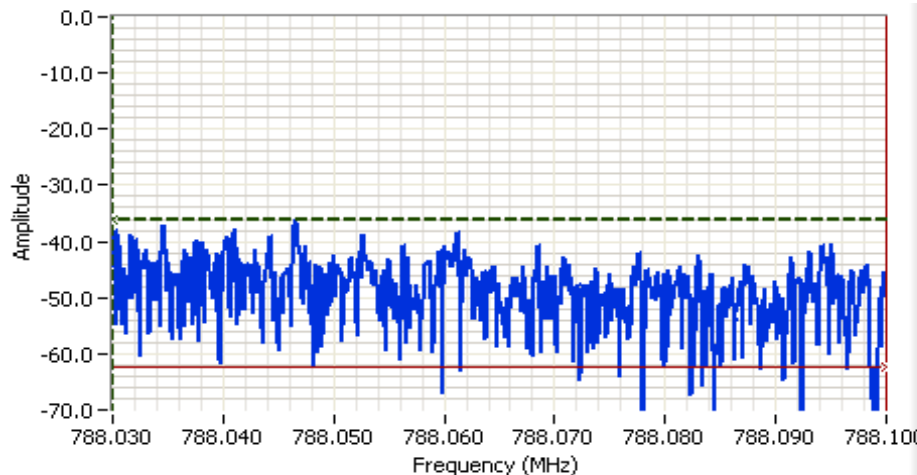
Power over span: -16.83dBm
 12.5 kHz Channel Spacing
 QPSK
 f: 787.968750 MHz

Cursor 1 788.0000 -28.7
 Cursor 2 788.0300 -54.7

Delta Freq. 30.0 kHz
 Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

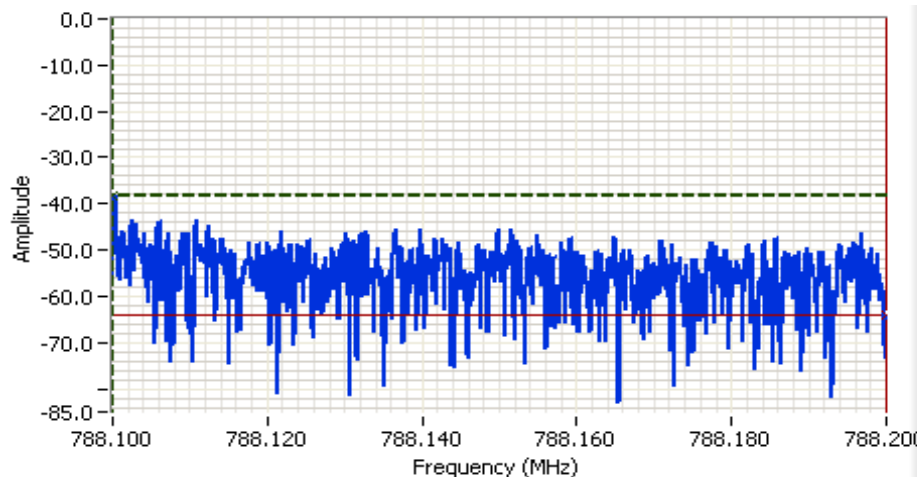
Agilent Technologies, E4446A
 CF: 788.065 MHz
 SPAN: 70.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.1s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -20.88dBm
 12.5 kHz Channel Spacing
 QPSK
 f: 787.968750 MHz

Cursor 1 788.0300 -36.3
 Cursor 2 788.1000 -62.3

Delta Freq. 70.0 kHz
 Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.150 MHz
 SPAN: 100 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.5s
 Ref Lvl: 42.0 DBM

Comments

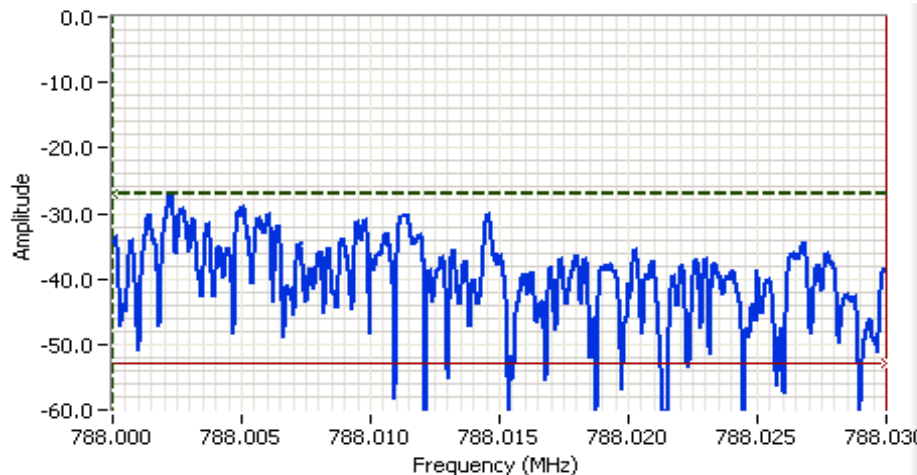
Power over span: -25.59dBm
 12.5 kHz Channel Spacing
 QPSK
 f: 787.968750 MHz

Cursor 1 788.1000 -38.2
 Cursor 2 788.2000 -64.2

Delta Freq. 100 kHz
 Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.015 MHz
 SPAN: 30.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

Comments

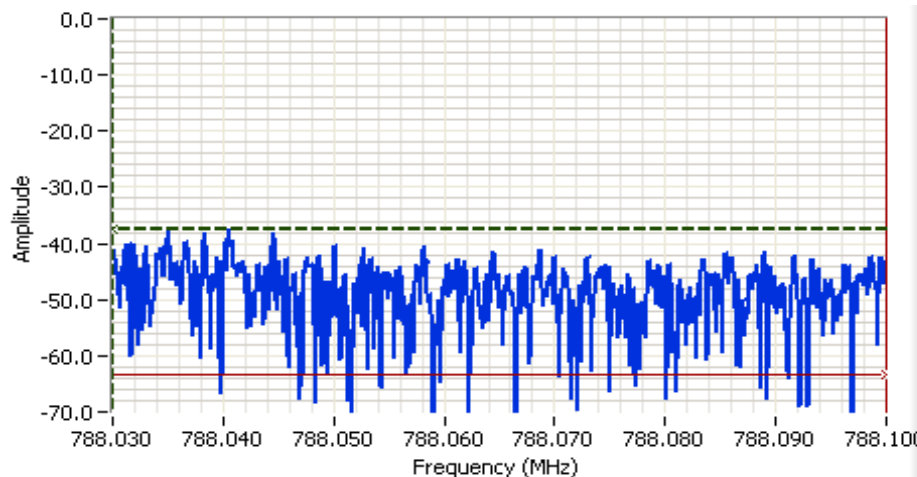
Power over span: -15.14dBm
 12.5 kHz Channel Spacing
 8PSK
 f: 787.968750 MHz

Cursor 1 788.0000 -27.0

Cursor 2 788.0300 -53.0

Delta Freq. 30.0 kHz

Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.065 MHz
 SPAN: 70.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.1s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -21.14dBm
 12.5 kHz Channel Spacing
 8PSK
 f: 787.968750 MHz

Cursor 1 788.0300 -37.5

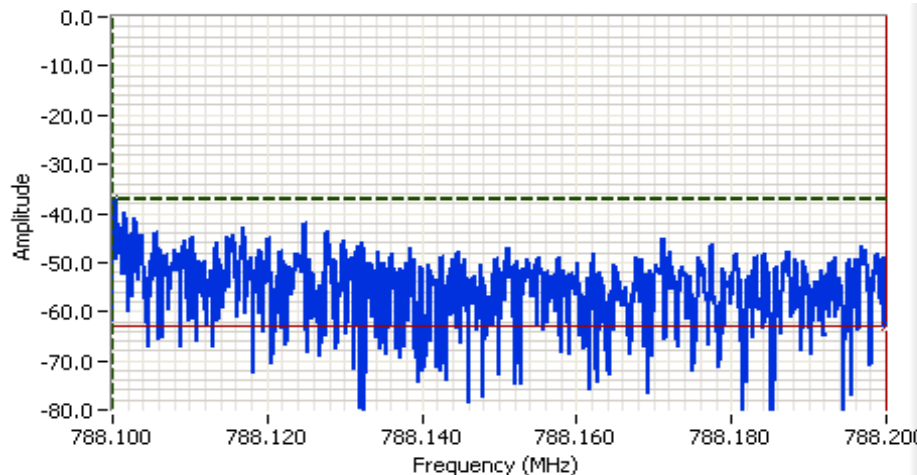
Cursor 2 788.1000 -63.5

Delta Freq. 70.0 kHz

Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

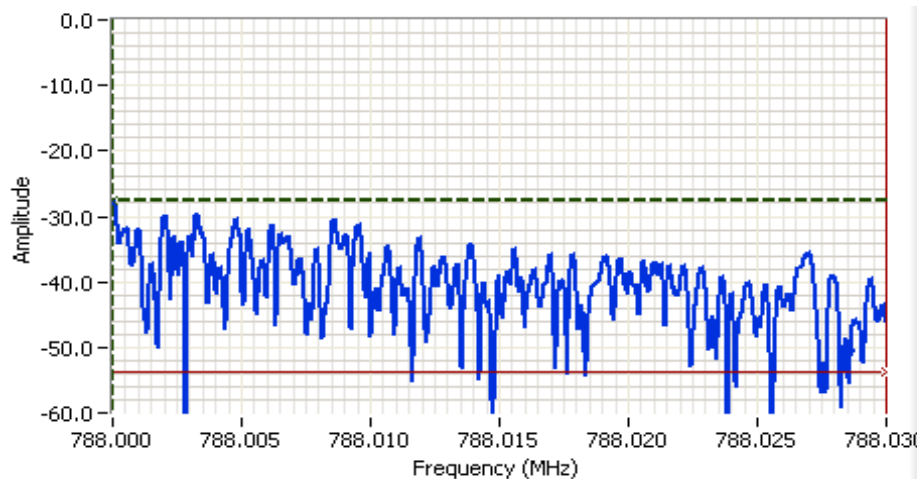
Agilent Technologies, E4446A
 CF: 788.150 MHz
 SPAN: 100 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.5s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -24.74dBm
 12.5 kHz Channel Spacing
 8PSK
 f: 787.968750 MHz

Cursor 1 788.1000 -37.0
 Cursor 2 788.2000 -63.0

Delta Freq. 100 kHz
 Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.015 MHz
 SPAN: 30.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

Comments

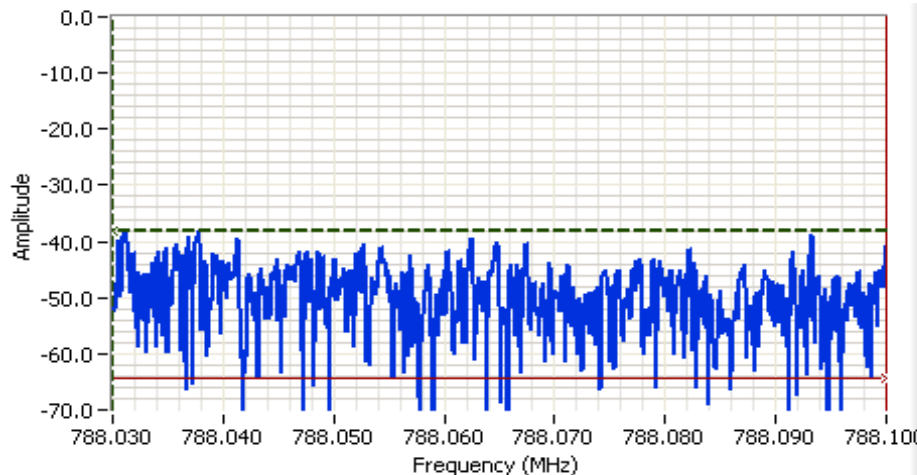
Power over span: -16.11dBm
 12.5 kHz Channel Spacing
 16QAM
 f: 787.968750 MHz

Cursor 1 788.0000 -27.7
 Cursor 2 788.0300 -53.7

Delta Freq. 30.0 kHz
 Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.065 MHz
 SPAN: 70.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.1s
 Ref Lvl: 42.0 DBM

Comments

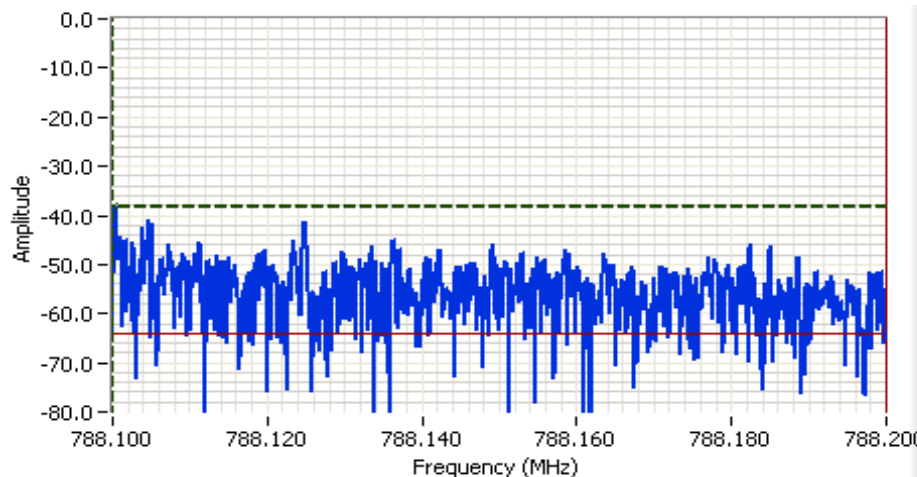
Power over span: -21.81dBm
 12.5 kHz Channel Spacing
 16QAM
 f: 787.968750 MHz

Cursor 1 788.0300 -38.3

Cursor 2 788.1000 -64.3

Delta Freq. 70.0 kHz

Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.150 MHz
 SPAN: 100 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.5s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -25.75dBm
 12.5 kHz Channel Spacing
 16QAM
 f: 787.968750 MHz

Cursor 1 788.1000 -38.2

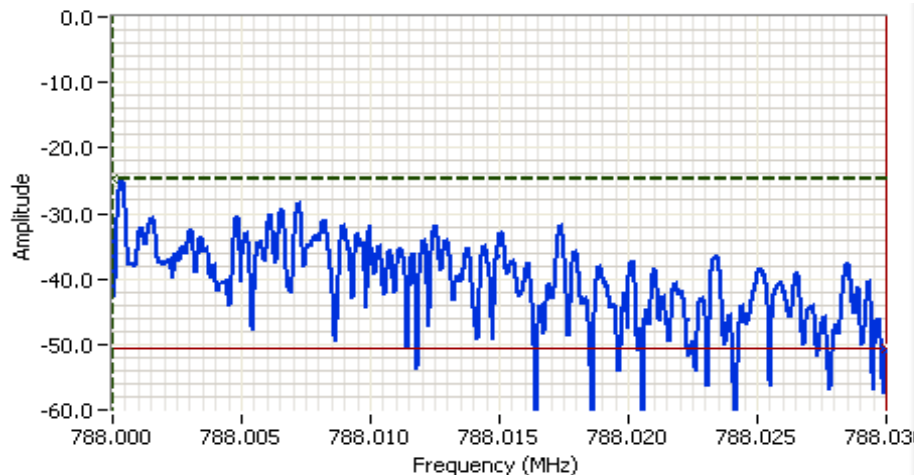
Cursor 2 788.2000 -64.2

Delta Freq. 100 kHz

Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

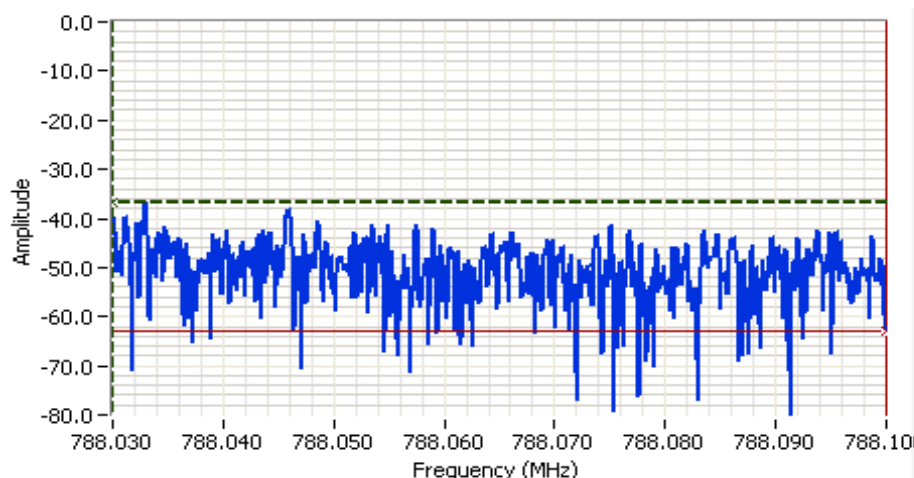
Agilent Technologies, E4446A
 CF: 788.015 MHz
 SPAN: 30.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -15.35dBm
 12.5 kHz Channel Spacing
 32QAM
 f: 787.968750 MHz

Cursor 1 788.0000 -24.6
 Cursor 2 788.0300 -50.6

Delta Freq. 30.0 kHz
 Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.065 MHz
 SPAN: 70.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.1s
 Ref Lvl: 42.0 DBM

Comments

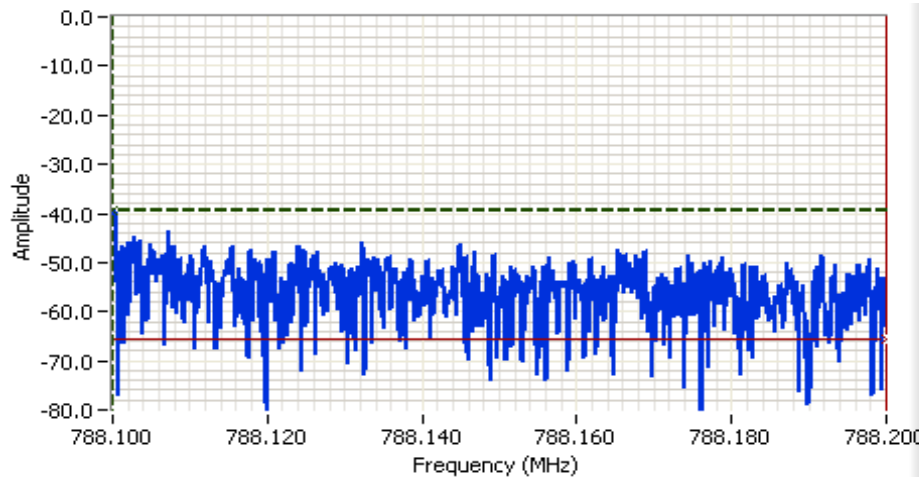
Power over span: -22.45dBm
 12.5 kHz Channel Spacing
 32QAM
 f: 787.968750 MHz

Cursor 1 788.0300 -36.8
 Cursor 2 788.1000 -62.8

Delta Freq. 70.0 kHz
 Delta Amplitude 26.0



Client:	Xetawave LLC	Job Number:	JD103419
Model:	Xeta7	T-Log Number:	T103448
Contact:	Sandee Malang	Project Manager:	Christine Krebill
Standard:	FCC Part 27	Project Coordinator:	-
		Class:	N/A



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.150 MHz
 SPAN: 100 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.5s
 Ref Lvl: 42.0 DBm

Comments

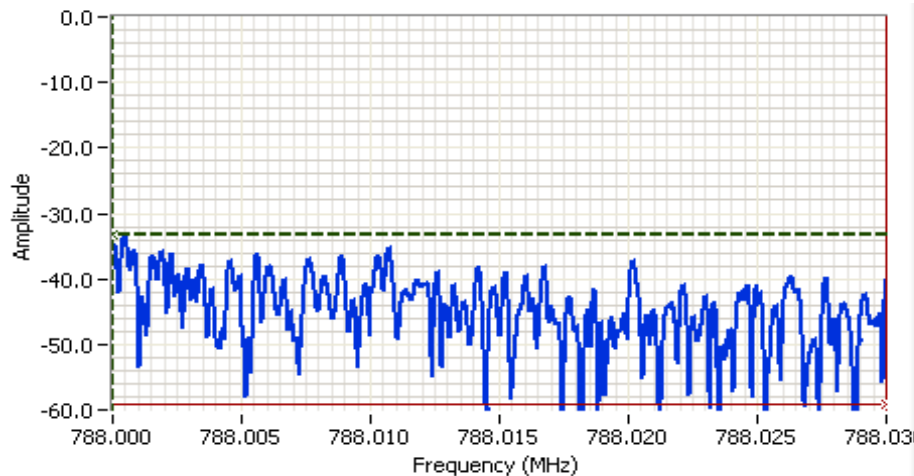
Power over span: -26.17dBm
 12.5 kHz Channel Spacing
 32QAM
 f: 787.968750 MHz

Cursor 1	788.1000	-39.6	
Cursor 2	788.2000	-65.6	

Delta Freq. 100 kHz
 Delta Amplitude 26.0

Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A

Band edge at 788 MHz, 25 kHz channel spacing

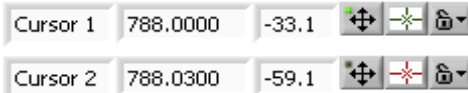


Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.015 MHz
 SPAN: 30.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

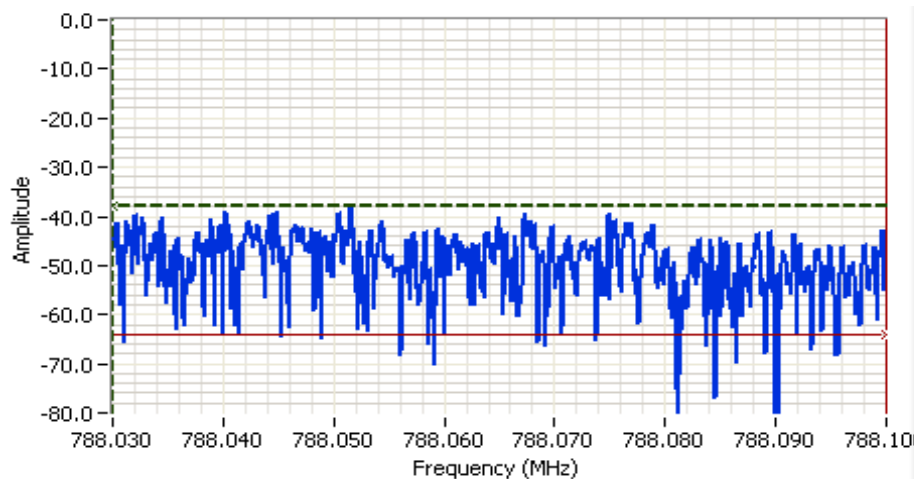
Comments

Power over span: -20.75dBm
 25.0 kHz Channel Spacing
 MSK
 f: 787.950000 MHz



Delta Freq. 30.0 kHz

Delta Amplitude 26.0

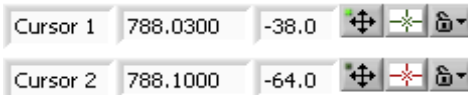


Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.065 MHz
 SPAN: 70.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.1s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -21.41dBm
 25.0 kHz Channel Spacing
 MSK
 f: 787.950000 MHz

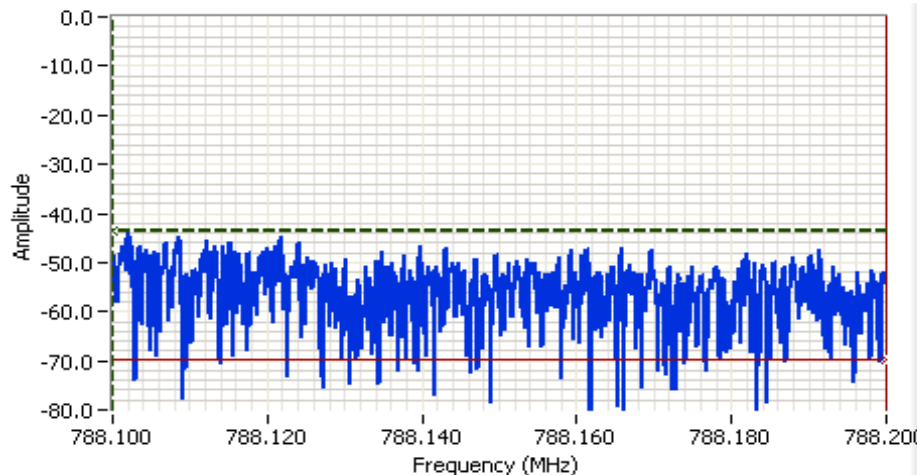


Delta Freq. 70.0 kHz

Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

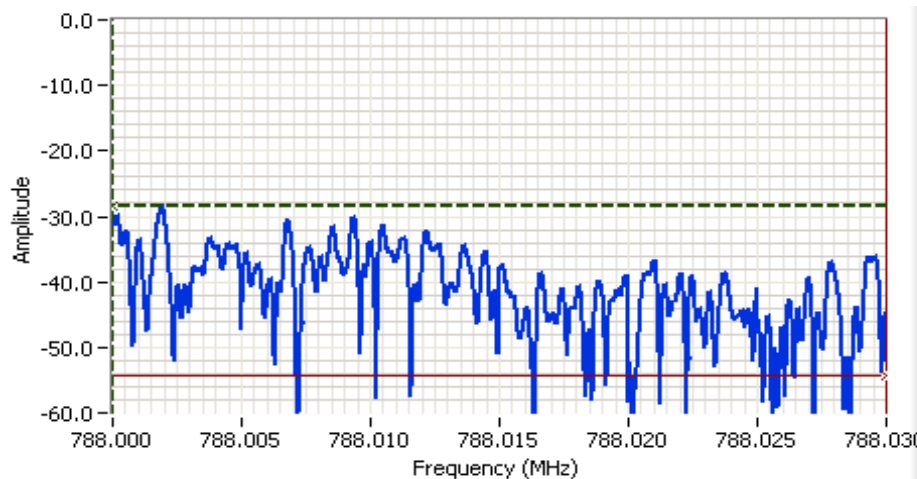
Agilent Technologies, E4446A
 CF: 788.150 MHz
 SPAN: 100 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.5s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -26.33dBm
 25.0 kHz Channel Spacing
 MSK
 f: 787.950000 MHz

Cursor 1 788.1000 -43.8
 Cursor 2 788.2000 -69.8

Delta Freq. 100 kHz
 Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.015 MHz
 SPAN: 30.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

Comments

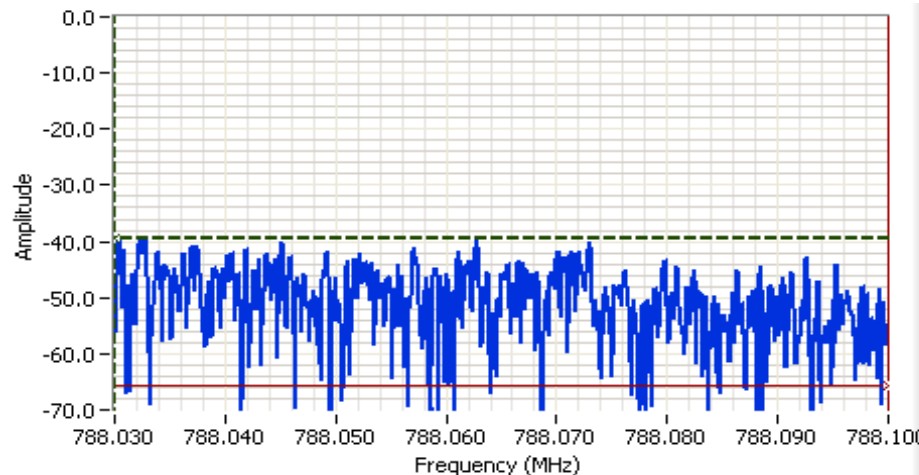
Power over span: -16.47dBm
 25.0 kHz Channel Spacing
 QPSK
 f: 787.950000 MHz

Cursor 1 788.0000 -28.4
 Cursor 2 788.0300 -54.4

Delta Freq. 30.0 kHz
 Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

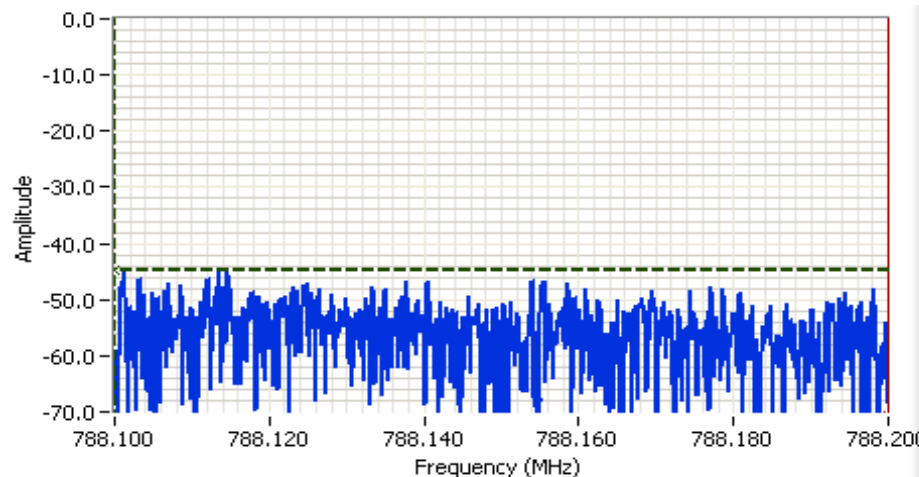
Agilent Technologies, E4446A
 CF: 788.065 MHz
 SPAN: 70.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.1s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -22.53dBm
 25.0 kHz Channel Spacing
 QPSK
 f: 787.950000 MHz

Cursor 1 788.0300 -39.6
 Cursor 2 788.1000 -65.6

Delta Freq. 70.0 kHz
 Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.150 MHz
 SPAN: 100 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.5s
 Ref Lvl: 42.0 DBM

Comments

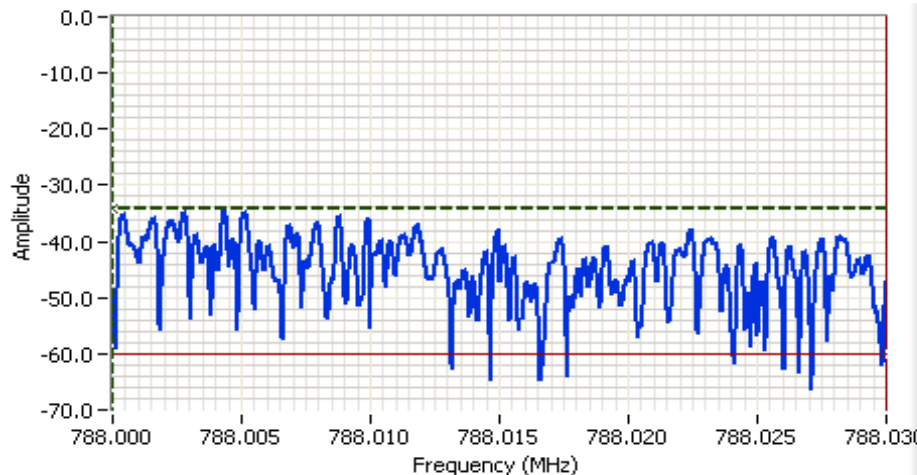
Power over span: -26.92dBm
 25.0 kHz Channel Spacing
 QPSK
 f: 787.950000 MHz

Cursor 1 788.1000 -44.8
 Cursor 2 788.2000 -70.8

Delta Freq. 100 kHz
 Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

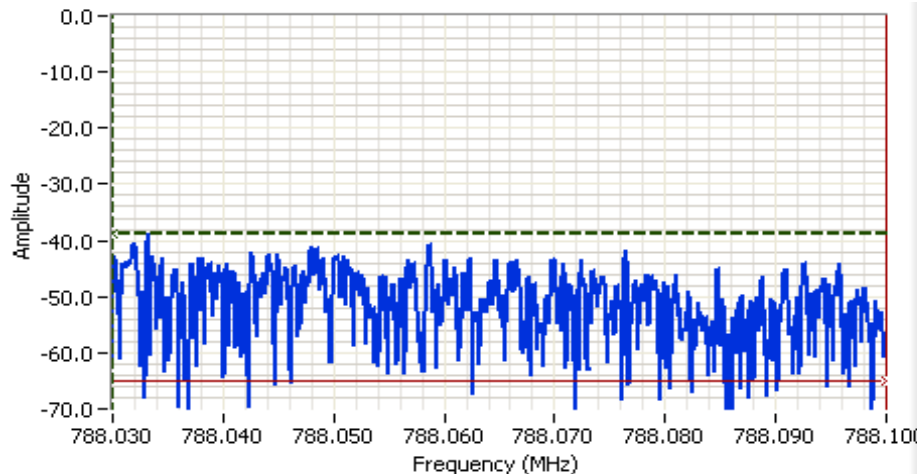
Agilent Technologies, E4446A
 CF: 788.015 MHz
 SPAN: 30.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -20.59dBm
 25.0 kHz Channel Spacing
 8PSK
 f: 787.950000 MHz

Cursor 1 788.0000 -34.1
 Cursor 2 788.0300 -60.1

Delta Freq. 30.0 kHz
 Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.065 MHz
 SPAN: 70.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.1s
 Ref Lvl: 42.0 DBM

Comments

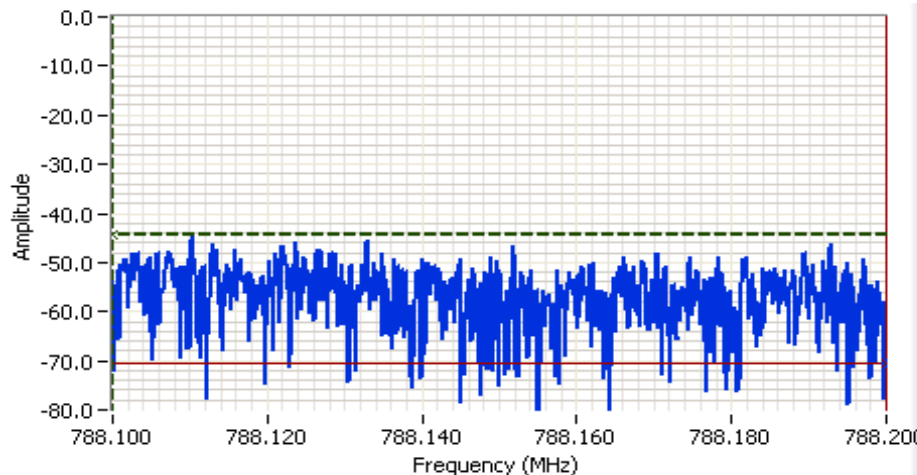
Power over span: -23.28dBm
 25.0 kHz Channel Spacing
 8PSK
 f: 787.950000 MHz

Cursor 1 788.0300 -39.0
 Cursor 2 788.1000 -65.0

Delta Freq. 70.0 kHz
 Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

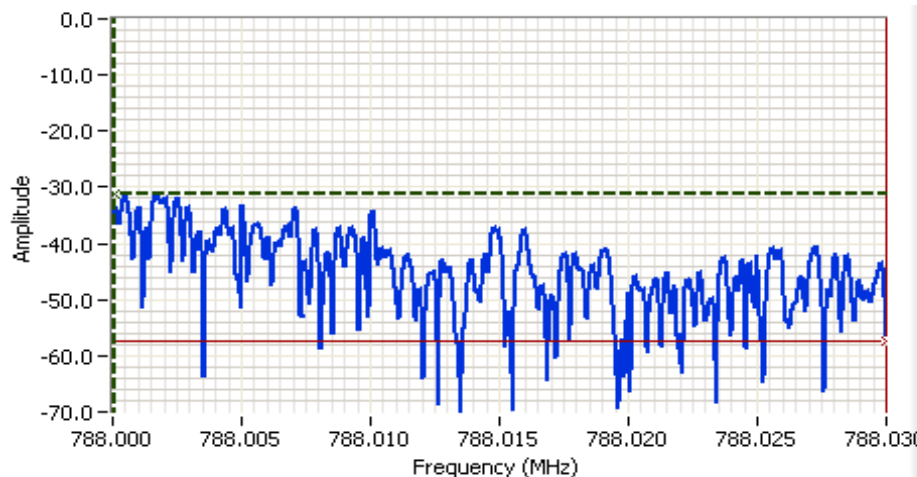
Agilent Technologies, E4446A
 CF: 788.150 MHz
 SPAN: 100 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.5s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -27.17dBm
 25.0 kHz Channel Spacing
 8PSK
 f: 787.950000 MHz

Cursor 1 788.1000 -44.5
 Cursor 2 788.2000 -70.5

Delta Freq. 100 kHz
 Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.015 MHz
 SPAN: 30.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

Comments

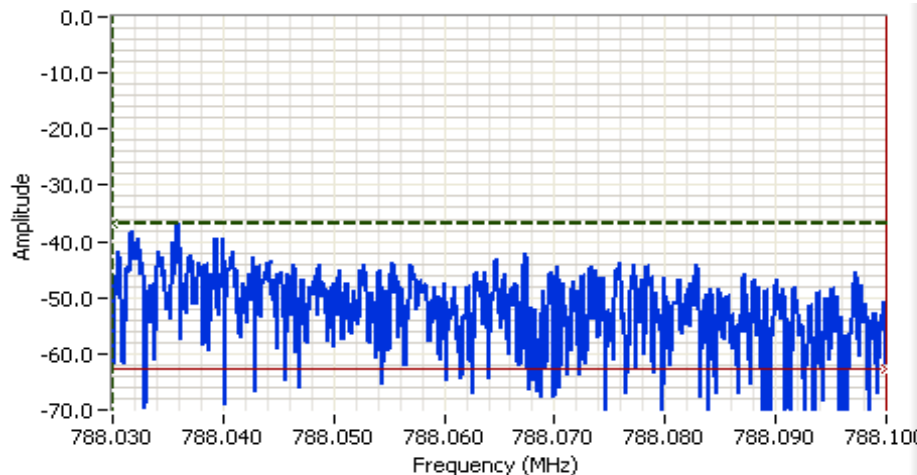
Power over span: -19.19dBm
 25.0 kHz Channel Spacing
 16QAM
 f: 787.950000 MHz

Cursor 1 788.0000 -31.3
 Cursor 2 788.0300 -57.3

Delta Freq. 30.0 kHz
 Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

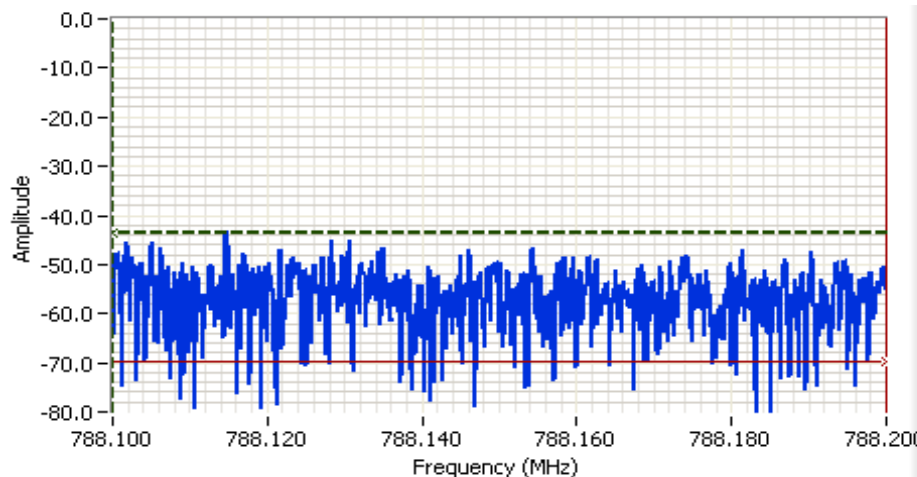
Agilent Technologies, E4446A
 CF: 788.065 MHz
 SPAN: 70.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.1s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -23.36dBm
 25.0 kHz Channel Spacing
 16QAM
 f: 787.950000 MHz

Cursor 1 788.0300 -36.8
 Cursor 2 788.1000 -62.8

Delta Freq. 70.0 kHz
 Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.150 MHz
 SPAN: 100 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.5s
 Ref Lvl: 42.0 DBM

Comments

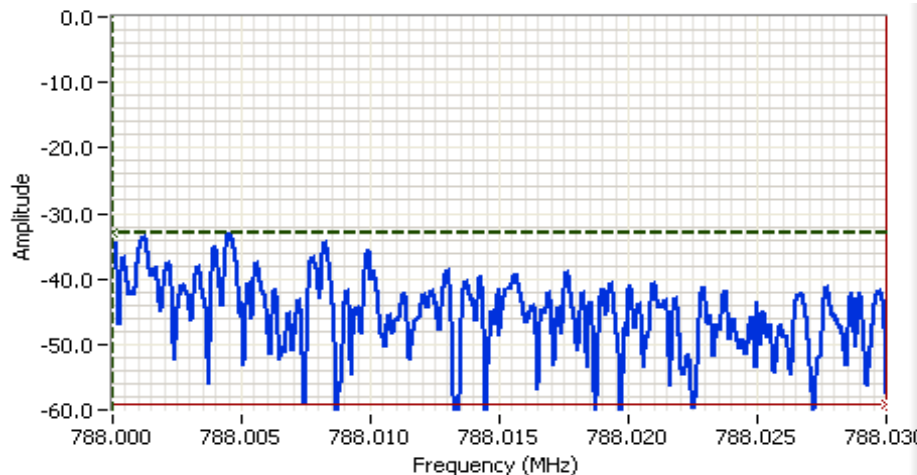
Power over span: -27.20dBm
 25.0 kHz Channel Spacing
 16QAM
 f: 787.950000 MHz

Cursor 1 788.1000 -43.6
 Cursor 2 788.2000 -69.6

Delta Freq. 100 kHz
 Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.015 MHz
 SPAN: 30.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

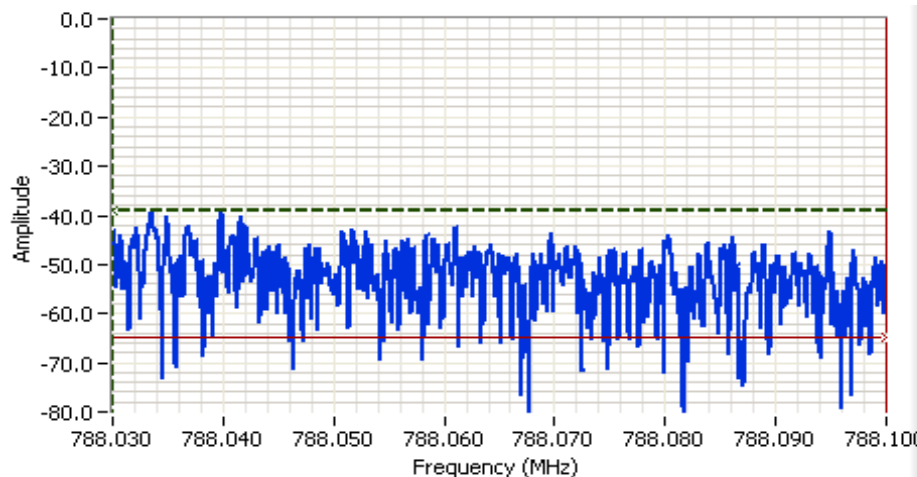
Comments

Power over span: -20.81dBm
 25.0 kHz Channel Spacing
 32QAM
 f: 787.950000 MHz

Cursor 1	788.0000	-33.0	
Cursor 2	788.0300	-59.0	

Delta Freq. 30.0 kHz

Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.065 MHz
 SPAN: 70.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.1s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -24.20dBm
 25.0 kHz Channel Spacing
 32QAM
 f: 787.950000 MHz

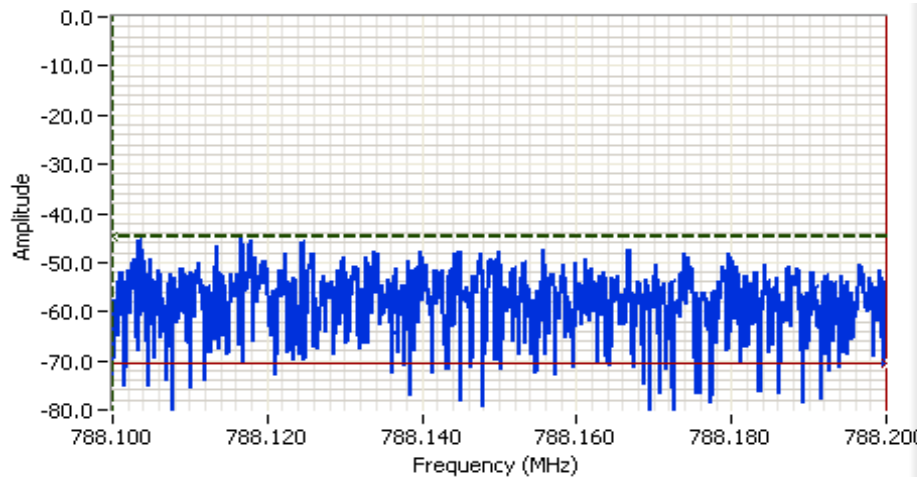
Cursor 1	788.0300	-38.9	
Cursor 2	788.1000	-64.9	

Delta Freq. 70.0 kHz

Delta Amplitude 26.0



Client:	Xetawave LLC	Job Number:	JD103419
Model:	Xeta7	T-Log Number:	T103448
Contact:	Sandee Malang	Project Manager:	Christine Krebill
Standard:	FCC Part 27	Project Coordinator:	-
		Class:	N/A



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.150 MHz
 SPAN: 100 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.5s
 Ref Lvl: 42.0 DBM

Comments

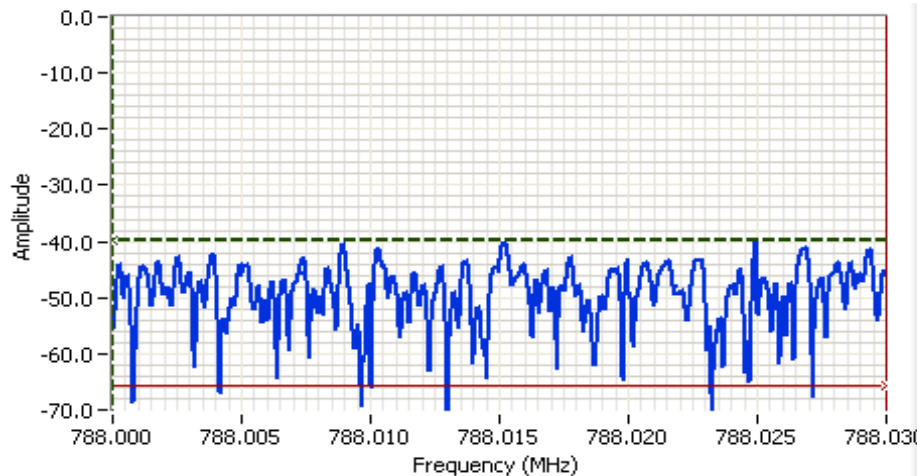
Power over span: -27.95dBm
 25.0 kHz Channel Spacing
 32QAM
 f: 787.950000 MHz

Cursor 1	788.1000	-44.7			
Cursor 2	788.2000	-70.7			

Delta Freq. 100 kHz
 Delta Amplitude 26.0

Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A

Band edge at 788 MHz, 50 kHz channel spacing



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.015 MHz
 SPAN: 30.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

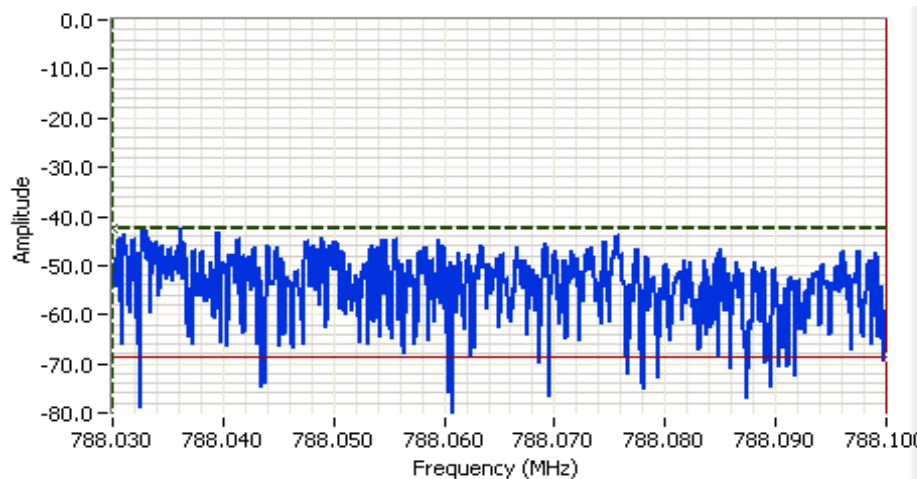
Comments

Power over span: -25.62dBm
 50.0 kHz Channel Spacing
 MSK
 f: 787.906250 MHz

Cursor 1	788.0000	-39.8	
Cursor 2	788.0300	-65.8	

Delta Freq. 30.0 kHz

Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.065 MHz
 SPAN: 70.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.1s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -25.64dBm
 50.0 kHz Channel Spacing
 MSK
 f: 787.906250 MHz

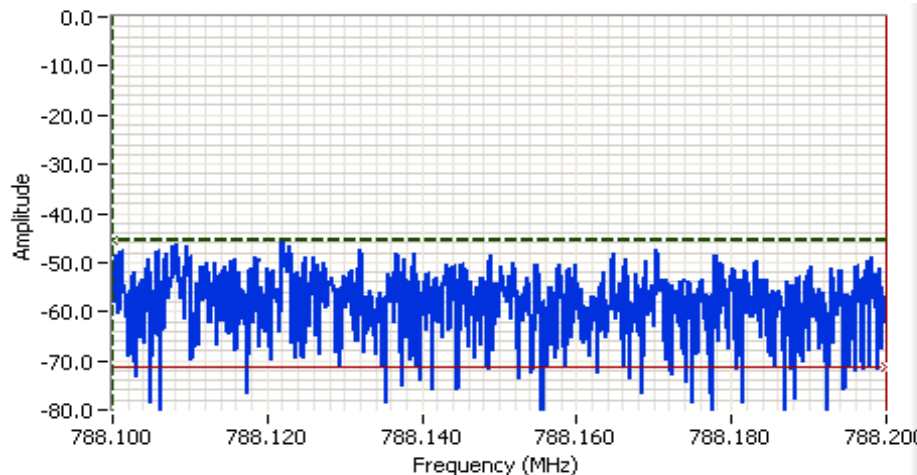
Cursor 1	788.0300	-42.4	
Cursor 2	788.1000	-68.4	

Delta Freq. 70.0 kHz

Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

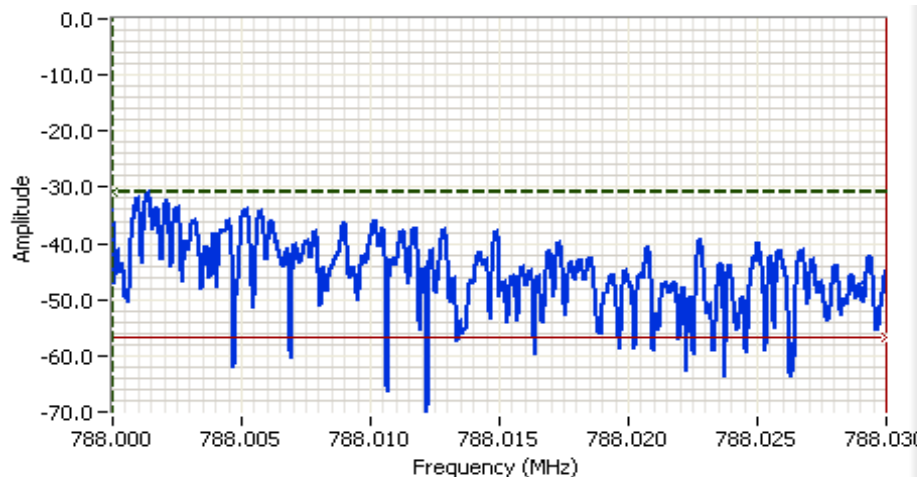
Agilent Technologies, E4446A
 CF: 788.150 MHz
 SPAN: 100 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.5s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -28.21dBm
 50.0 kHz Channel Spacing
 MSK
 f: 787.906250 MHz

Cursor 1 788.1000 -45.4
 Cursor 2 788.2000 -71.4

Delta Freq. 100 kHz
 Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.015 MHz
 SPAN: 30.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

Comments

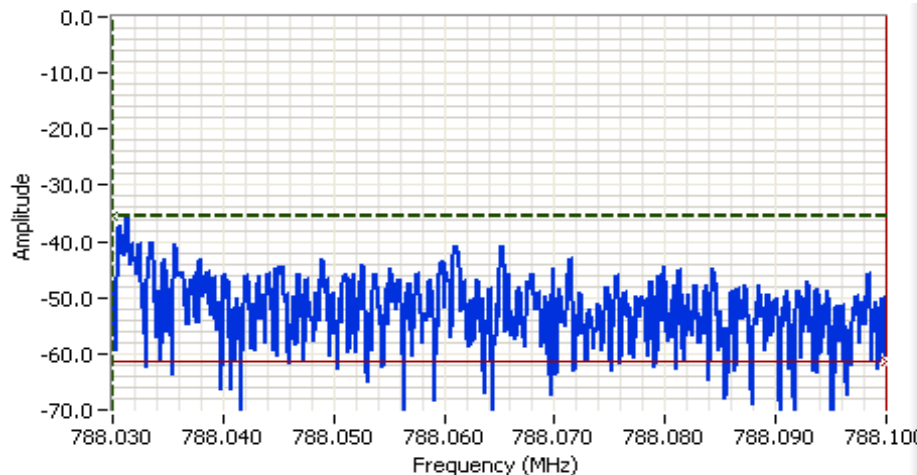
Power over span: -19.86dBm
 50.0 kHz Channel Spacing
 QPSK
 f: 787.906250 MHz

Cursor 1 788.0000 -30.8
 Cursor 2 788.0300 -56.8

Delta Freq. 30.0 kHz
 Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

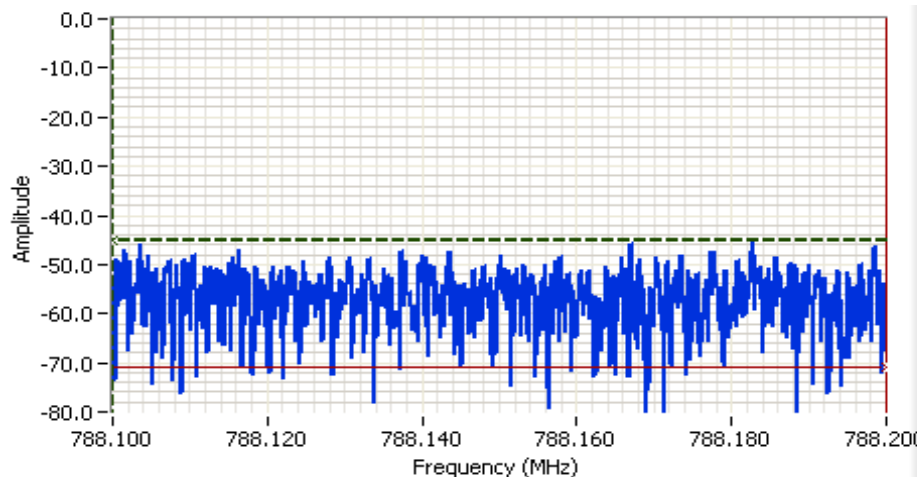
Agilent Technologies, E4446A
 CF: 788.065 MHz
 SPAN: 70.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.1s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -23.43dBm
 50.0 kHz Channel Spacing
 QPSK
 f: 787.906250 MHz

Cursor 1 788.0300 -35.4
 Cursor 2 788.1000 -61.4

Delta Freq. 70.0 kHz
 Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.150 MHz
 SPAN: 100 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.5s
 Ref Lvl: 42.0 DBM

Comments

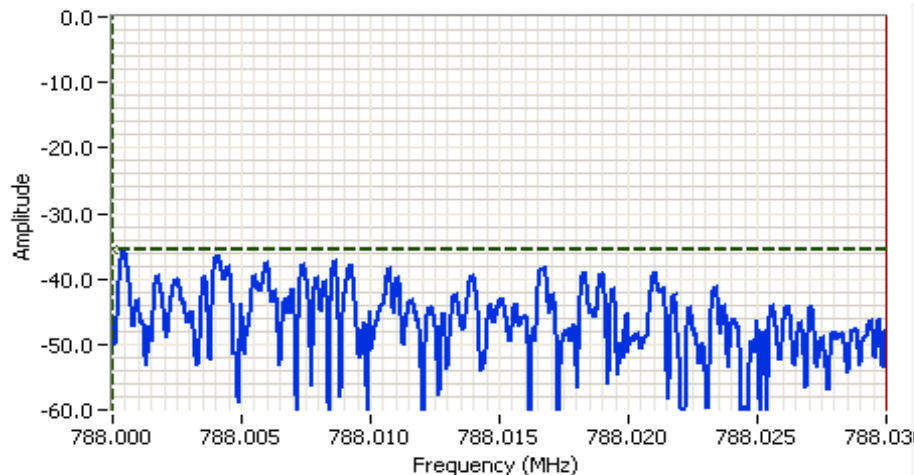
Power over span: -27.40dBm
 50.0 kHz Channel Spacing
 QPSK
 f: 787.906250 MHz

Cursor 1 788.1000 -45.0
 Cursor 2 788.2000 -71.0

Delta Freq. 100 kHz
 Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.015 MHz
 SPAN: 30.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

Comments

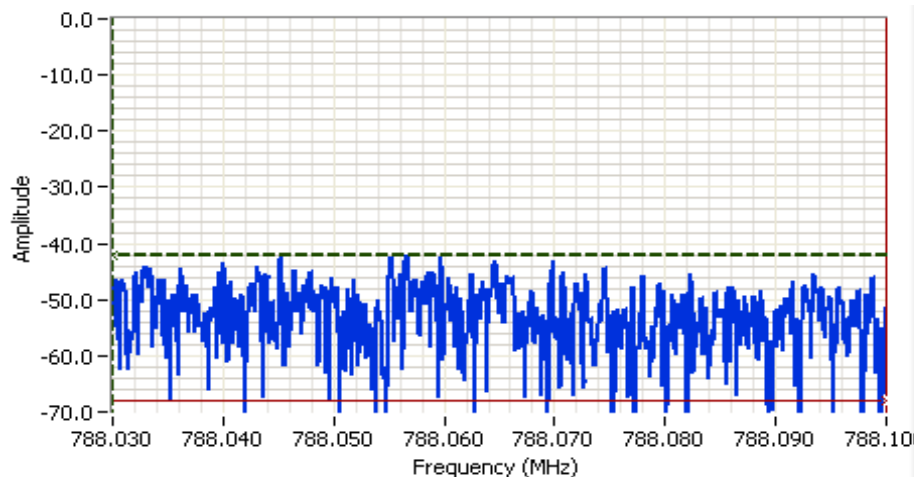
Power over span: -22.39dBm
 50.0 kHz Channel Spacing
 8PSK
 f: 787.906250 MHz

Cursor 1 788.0000 -35.6

Cursor 2 788.0300 -61.6

Delta Freq. 30.0 kHz

Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.065 MHz
 SPAN: 70.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.1s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -25.13dBm
 50.0 kHz Channel Spacing
 8PSK
 f: 787.906250 MHz

Cursor 1 788.0300 -42.1

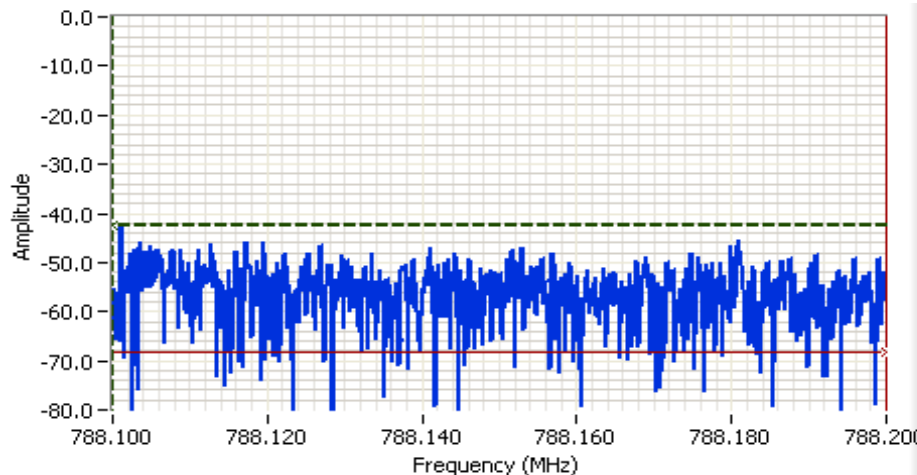
Cursor 2 788.1000 -68.1

Delta Freq. 70.0 kHz

Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

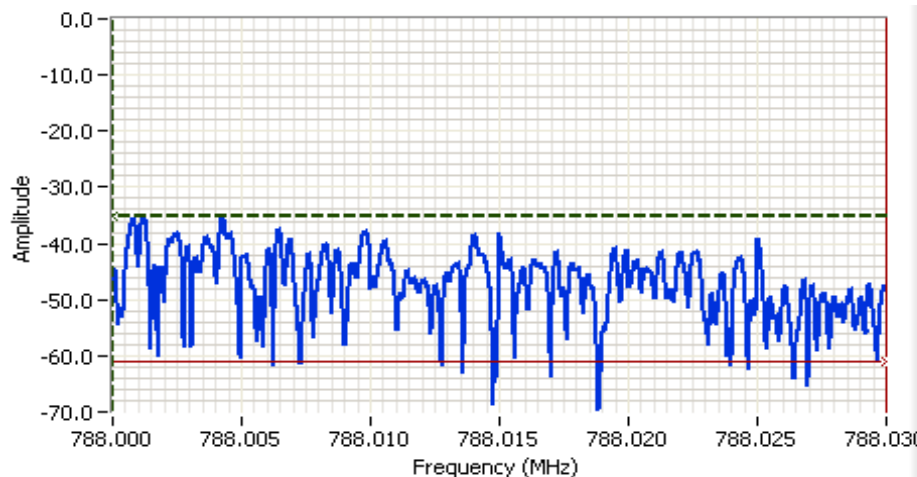
Agilent Technologies, E4446A
 CF: 788.150 MHz
 SPAN: 100 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.5s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -26.75dBm
 50.0 kHz Channel Spacing
 8PSK
 f: 787.906250 MHz

Cursor 1 788.1000 -42.3
 Cursor 2 788.2000 -68.3

Delta Freq. 100 kHz
 Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.015 MHz
 SPAN: 30.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

Comments

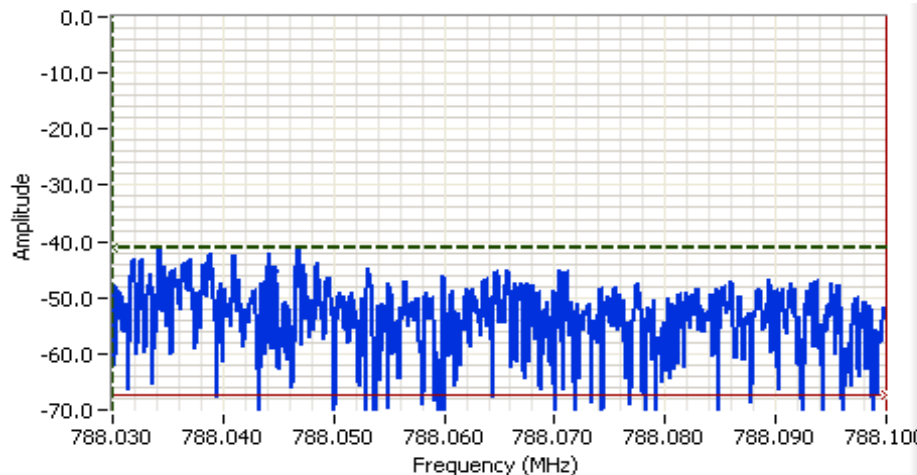
Power over span: -22.56dBm
 50.0 kHz Channel Spacing
 16QAM
 f: 787.906250 MHz

Cursor 1 788.0000 -35.0
 Cursor 2 788.0300 -61.0

Delta Freq. 30.0 kHz
 Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.065 MHz
 SPAN: 70.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.1s
 Ref Lvl: 42.0 DBM

Comments

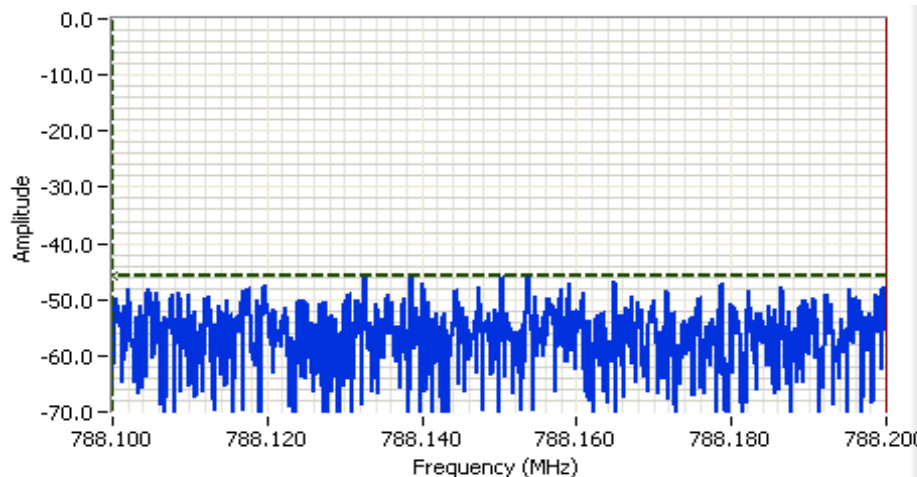
Power over span: -25.41dBm
 50.0 kHz Channel Spacing
 16QAM
 f: 787.906250 MHz

Cursor 1 788.0300 -41.2

Cursor 2 788.1000 -67.2

Delta Freq. 70.0 kHz

Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.150 MHz
 SPAN: 100 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.5s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -27.29dBm
 50.0 kHz Channel Spacing
 16QAM
 f: 787.906250 MHz

Cursor 1 788.1000 -45.7

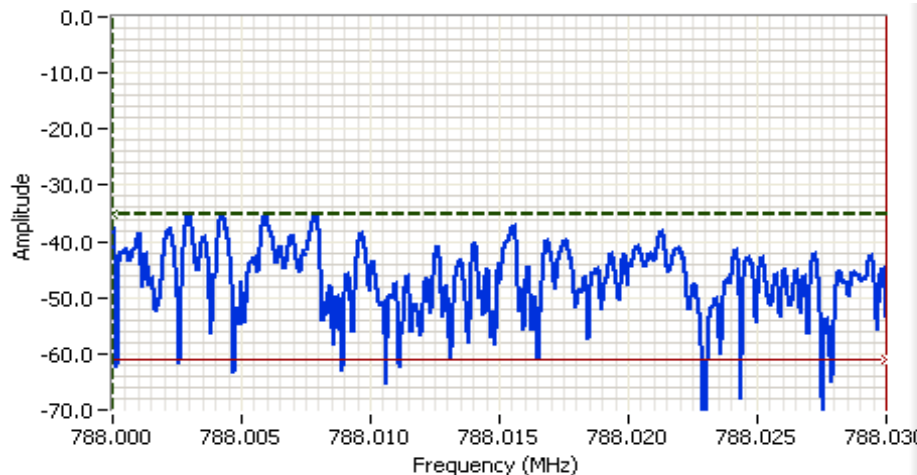
Cursor 2 788.2000 -71.7

Delta Freq. 100 kHz

Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.015 MHz
 SPAN: 30.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

Comments

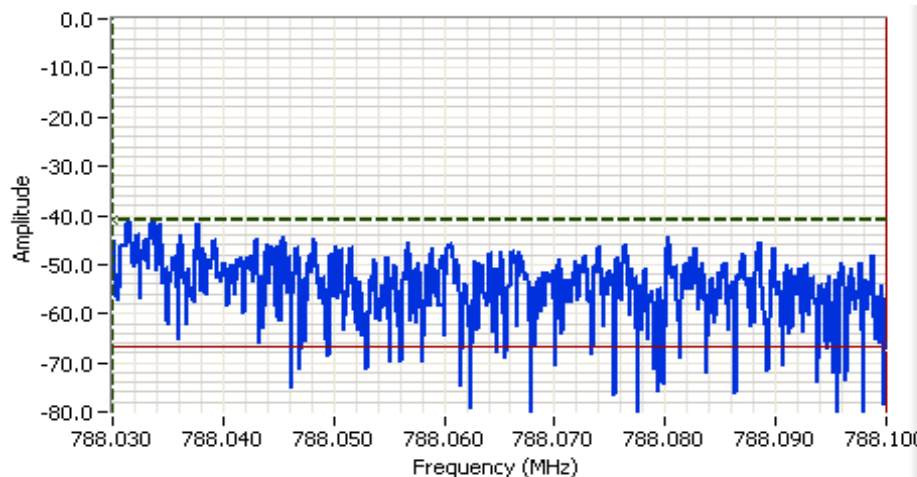
Power over span: -21.93dBm
 50.0 kHz Channel Spacing
 32QAM
 f: 787.906250 MHz

Cursor 1 788.0000 -35.1

Cursor 2 788.0300 -61.1

Delta Freq. 30.0 kHz

Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.065 MHz
 SPAN: 70.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.1s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -25.69dBm
 50.0 kHz Channel Spacing
 32QAM
 f: 787.906250 MHz

Cursor 1 788.0300 -40.8

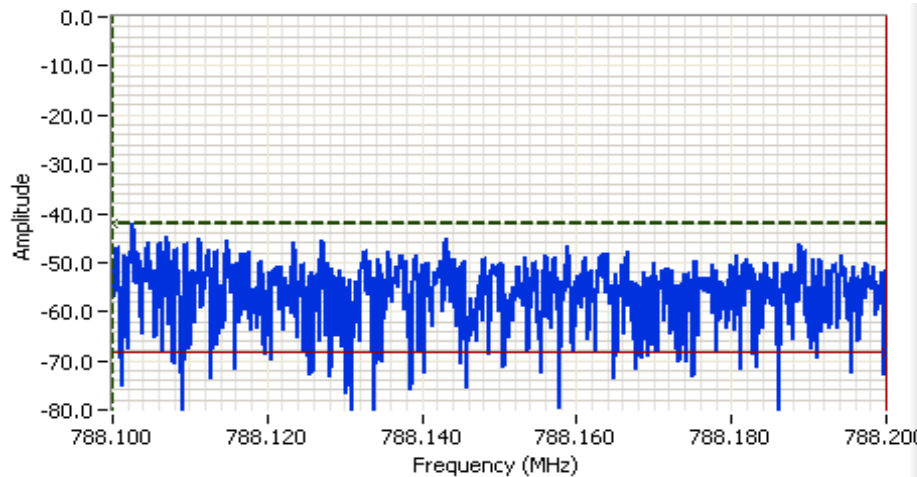
Cursor 2 788.1000 -66.8

Delta Freq. 70.0 kHz

Delta Amplitude 26.0



Client:	Xetawave LLC	Job Number:	JD103419
Model:	Xeta7	T-Log Number:	T103448
Contact:	Sandee Malang	Project Manager:	Christine Krebill
Standard:	FCC Part 27	Project Coordinator:	-
		Class:	N/A



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.150 MHz
 SPAN: 100 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.5s
 Ref Lvl: 42.0 DBm

Comments

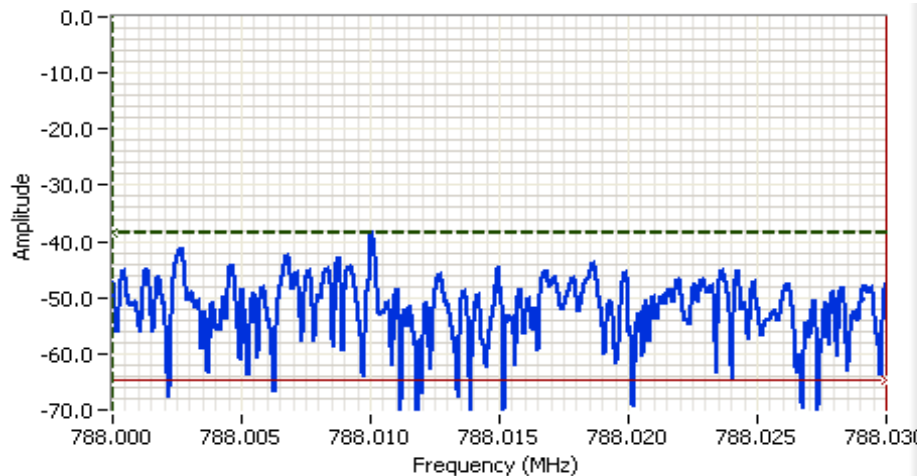
Power over span: -26.42dBm
 50.0 kHz Channel Spacing
 32QAM
 f: 787.906250 MHz

Cursor 1	788.1000	-42.2	
Cursor 2	788.2000	-68.2	

Delta Freq. 100 kHz
 Delta Amplitude 26.0

Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A

Band edge at 788 MHz, 100 kHz channel spacing

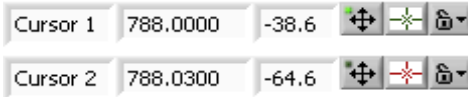


Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.015 MHz
 SPAN: 30.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

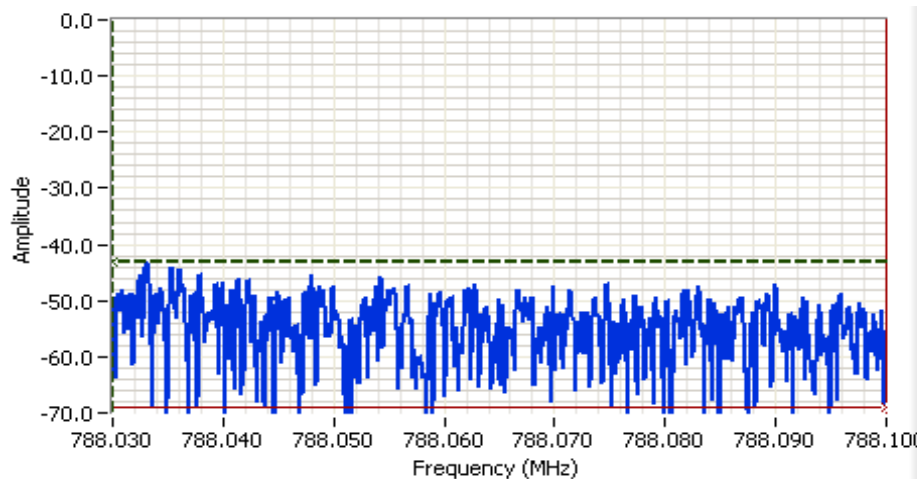
Comments

Power over span: -27.83dBm
 100.0 kHz Channel Spacing
 MSK
 f: 787.875000 MHz



Delta Freq. 30.0 kHz

Delta Amplitude 26.0

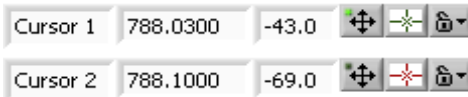


Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.065 MHz
 SPAN: 70.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.1s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -27.17dBm
 100.0 kHz Channel Spacing
 MSK
 f: 787.875000 MHz

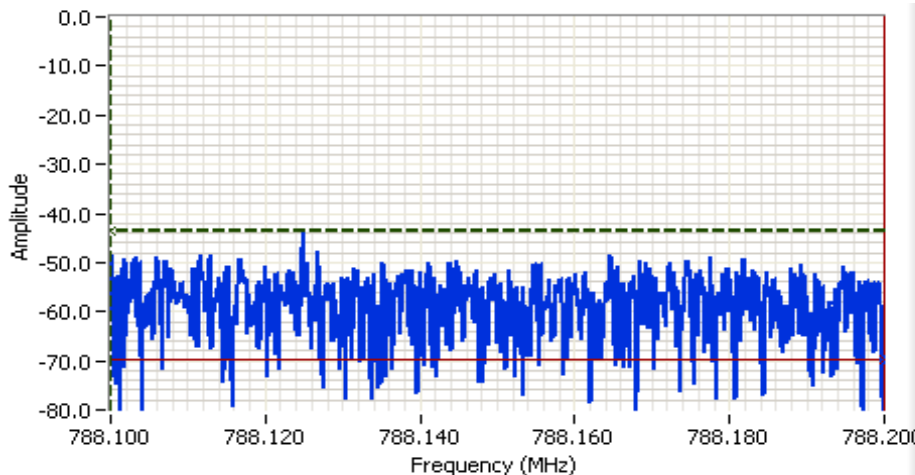


Delta Freq. 70.0 kHz

Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.150 MHz
 SPAN: 100 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.6s
 Ref Lvl: 42.0 DBM

Comments

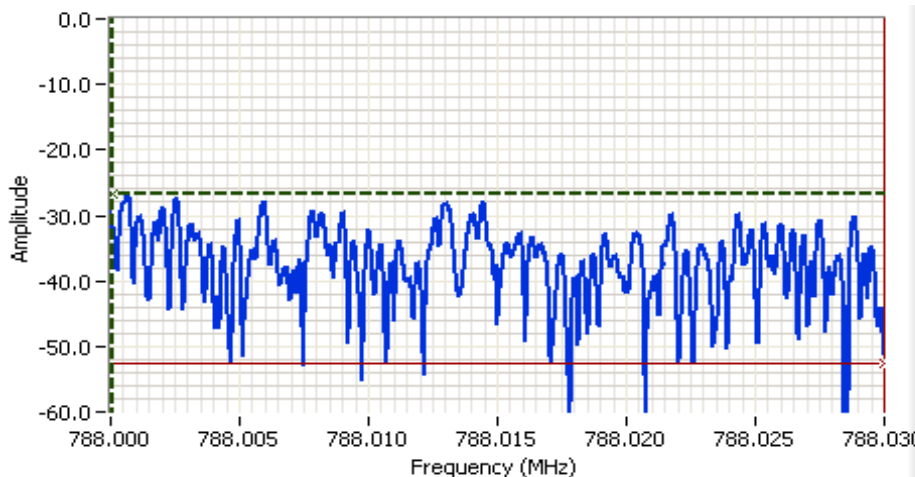
Power over span: -28.97dBm
 100.0 kHz Channel Spacing
 MSK
 f: 787.875000 MHz

Cursor 1 788.1000 -43.7

Cursor 2 788.2000 -69.7

Delta Freq. 100 kHz

Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.015 MHz
 SPAN: 30.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -13.20dBm
 100.0 kHz Channel Spacing
 QPSK
 f: 787.875000 MHz

Cursor 1 788.0000 -26.7

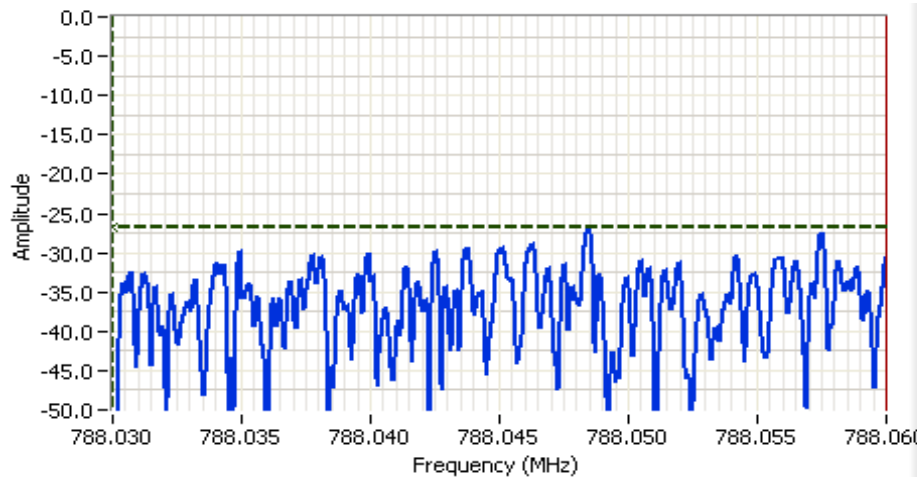
Cursor 2 788.0300 -52.7

Delta Freq. 30.0 kHz

Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

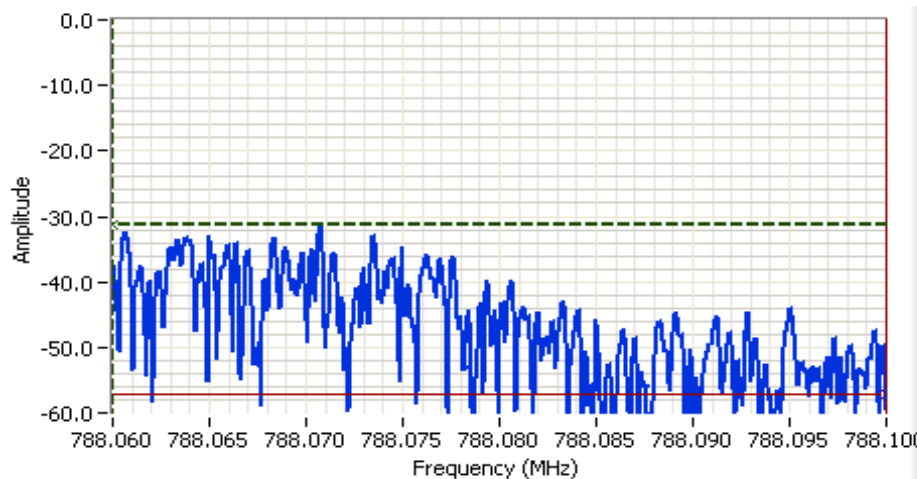
Agilent Technologies, E4446A
 CF: 788.045 MHz
 SPAN: 30.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -13.23dBm
 100.0 kHz Channel Spacing
 QPSK
 f: 787.875000 MHz

Cursor 1 788.0300 -26.7
 Cursor 2 788.0600 -52.7

Delta Freq. 30.0 kHz
 Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.080 MHz
 SPAN: 40.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.6s
 Ref Lvl: 42.0 DBM

Comments

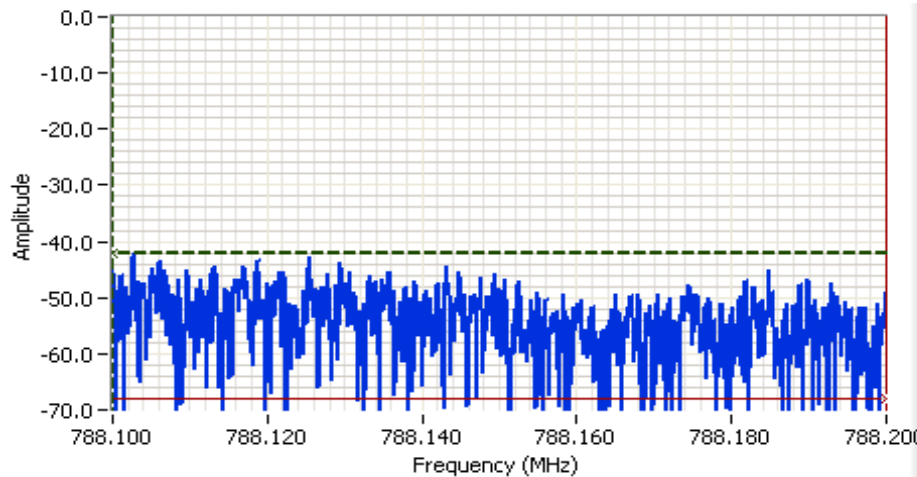
Power over span: -18.60dBm
 100.0 kHz Channel Spacing
 QPSK
 f: 787.875000 MHz

Cursor 1 788.0600 -31.3
 Cursor 2 788.1000 -57.3

Delta Freq. 40.0 kHz
 Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

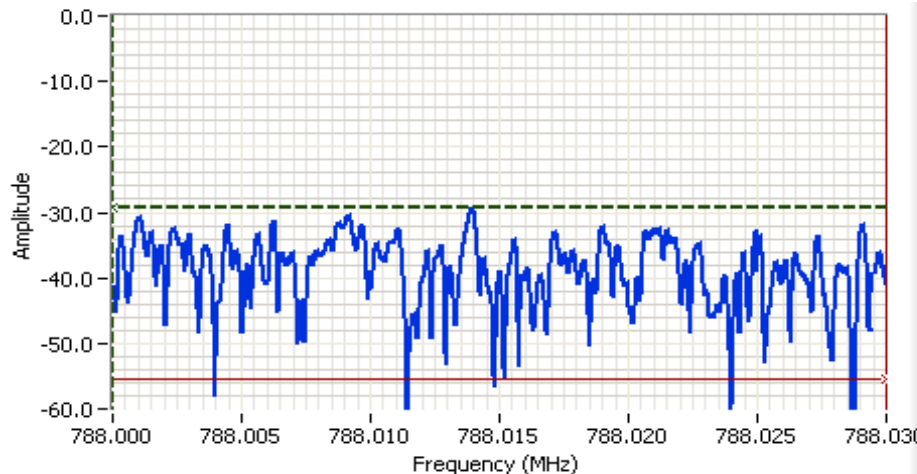
Agilent Technologies, E4446A
 CF: 788.150 MHz
 SPAN: 100 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.6s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -25.00dBm
 100.0 kHz Channel Spacing
 QPSK
 f: 787.875000 MHz

Cursor 1 788.1000 -42.1
 Cursor 2 788.2000 -68.1

Delta Freq. 100 kHz
 Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.015 MHz
 SPAN: 30.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

Comments

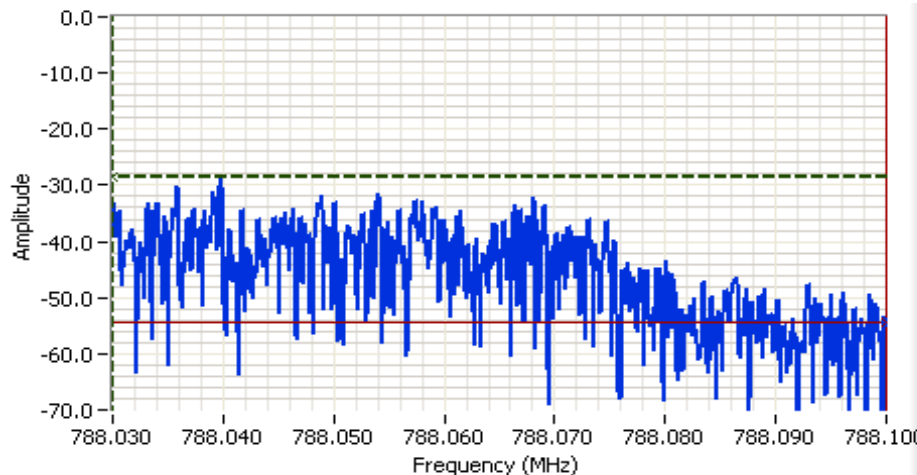
Power over span: -15.22dBm
 100.0 kHz Channel Spacing
 8PSK
 f: 787.875000 MHz

Cursor 1 788.0000 -29.3
 Cursor 2 788.0300 -55.3

Delta Freq. 30.0 kHz
 Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.065 MHz
 SPAN: 70.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.1s
 Ref Lvl: 42.0 DBM

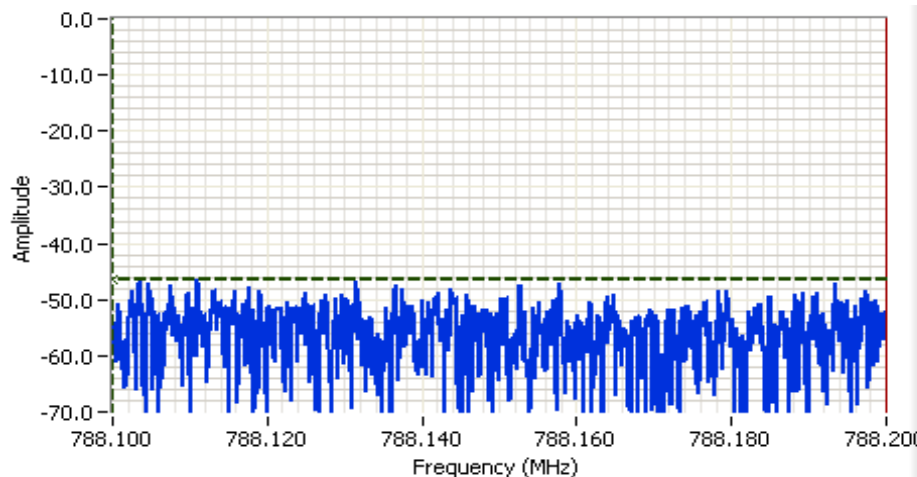
Comments

Power over span: -15.16dBm
 100.0 kHz Channel Spacing
 8PSK
 f: 787.875000 MHz

Cursor 1 788.0300 -28.5
 Cursor 2 788.1000 -54.5

Delta Freq. 70.0 kHz

Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.150 MHz
 SPAN: 100 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.5s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -27.29dBm
 100.0 kHz Channel Spacing
 8PSK
 f: 787.875000 MHz

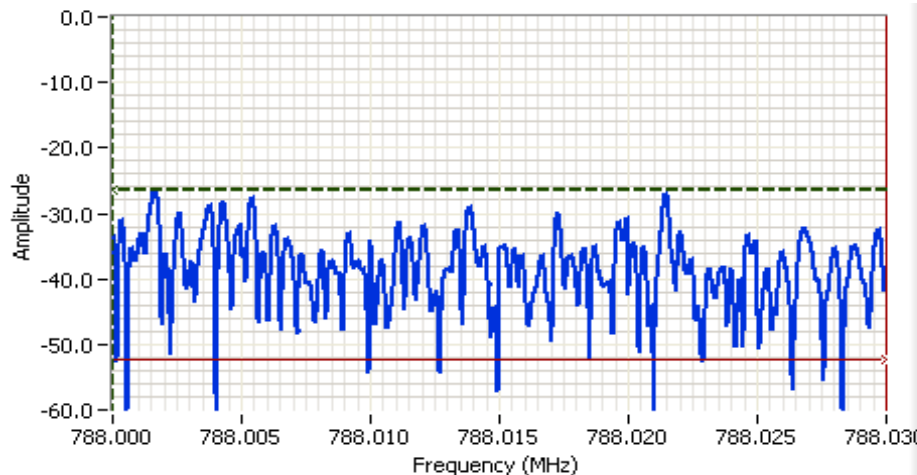
Cursor 1 788.1000 -46.5
 Cursor 2 788.2000 -72.5

Delta Freq. 100 kHz

Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.015 MHz
 SPAN: 30.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

Comments

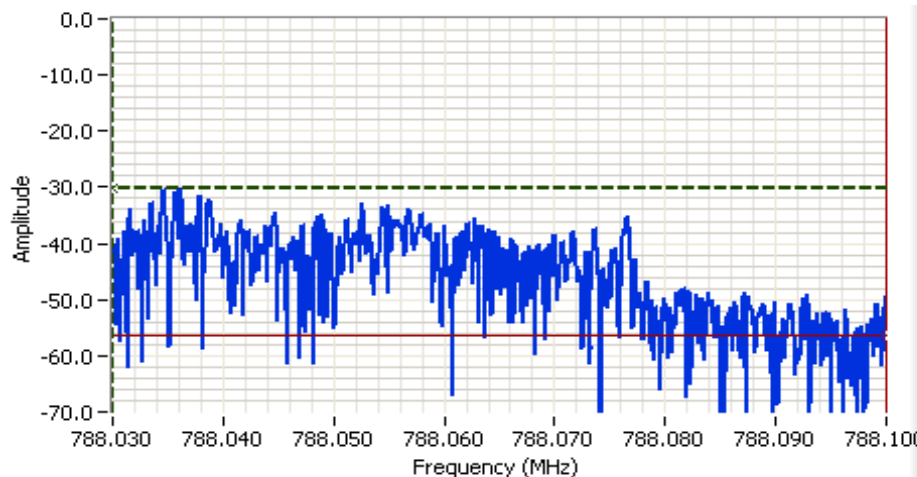
Power over span: -14.17dBm
 100.0 kHz Channel Spacing
 16QAM
 f: 787.875000 MHz

Cursor 1 788.0000 -26.3

Cursor 2 788.0300 -52.3

Delta Freq. 30.0 kHz

Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.065 MHz
 SPAN: 70.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.1s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -15.78dBm
 100.0 kHz Channel Spacing
 16QAM
 f: 787.875000 MHz

Cursor 1 788.0300 -30.3

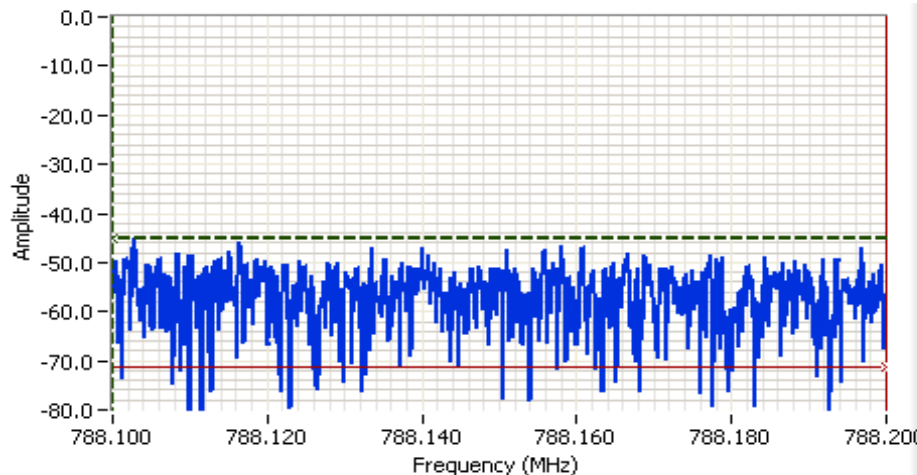
Cursor 2 788.1000 -56.3

Delta Freq. 70.0 kHz

Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

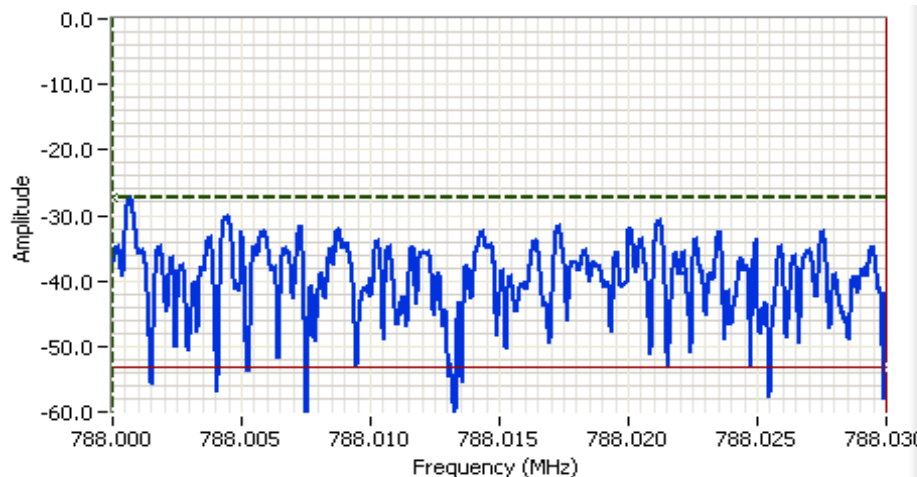
Agilent Technologies, E4446A
 CF: 788.150 MHz
 SPAN: 100 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.6s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -27.53dBm
 100.0 kHz Channel Spacing
 16QAM
 f: 787.875000 MHz

Cursor 1 788.1000 -45.2
 Cursor 2 788.2000 -71.2

Delta Freq. 100 kHz
 Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.015 MHz
 SPAN: 30.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

Comments

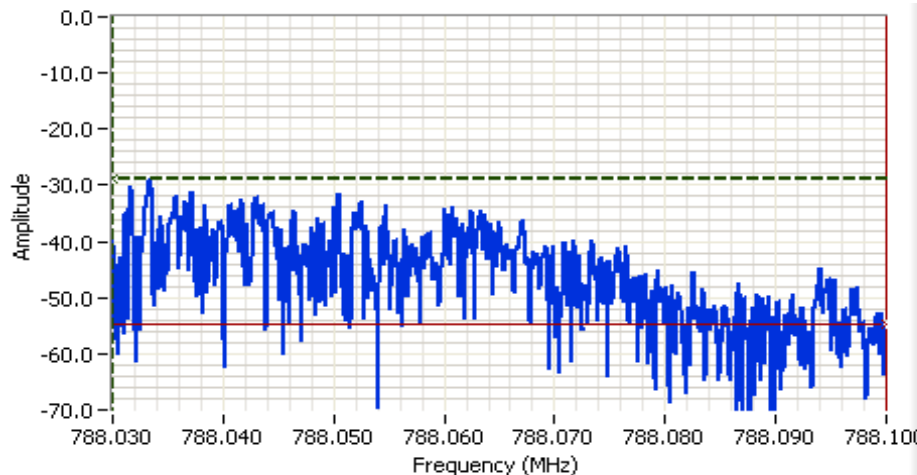
Power over span: -15.58dBm
 100.0 kHz Channel Spacing
 32QAM
 f: 787.875000 MHz

Cursor 1 788.0000 -27.3
 Cursor 2 788.0300 -53.3

Delta Freq. 30.0 kHz
 Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.065 MHz
 SPAN: 70.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.1s
 Ref Lvl: 42.0 DBM

Comments

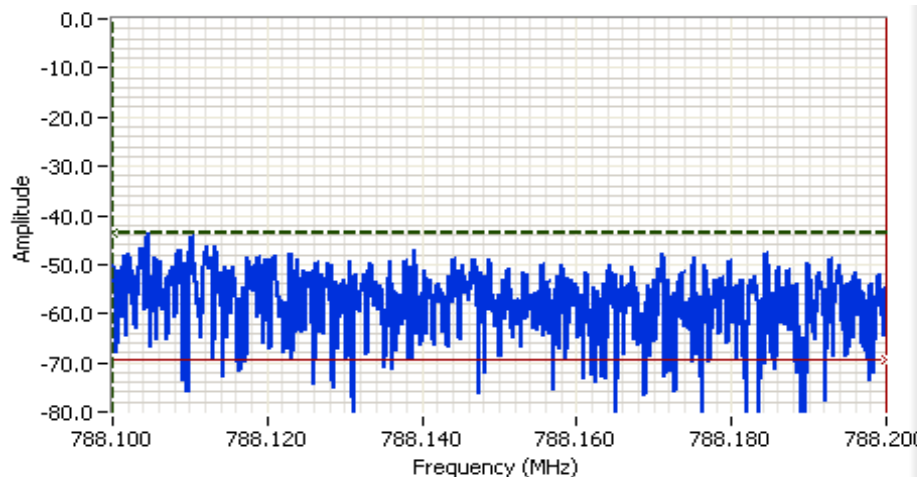
Power over span: -15.47dBm
 100.0 kHz Channel Spacing
 32QAM
 f: 787.875000 MHz

Cursor 1 788.0300 -28.9

Cursor 2 788.1000 -54.9

Delta Freq. 70.0 kHz

Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.150 MHz
 SPAN: 100 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.5s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -27.46dBm
 100.0 kHz Channel Spacing
 32QAM
 f: 787.875000 MHz

Cursor 1 788.1000 -43.4

Cursor 2 788.2000 -69.4

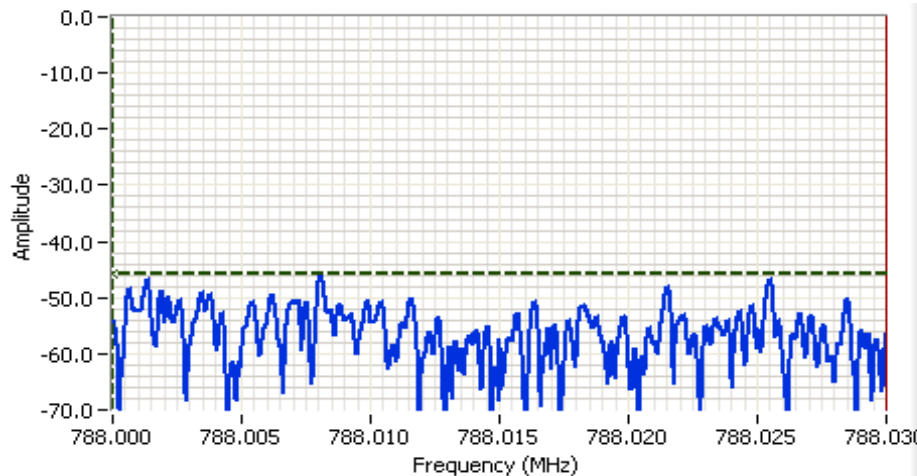
Delta Freq. 100 kHz

Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A

Band edge at 788 MHz, 200 kHz channel spacing

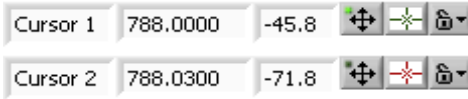


Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.015 MHz
 SPAN: 30.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

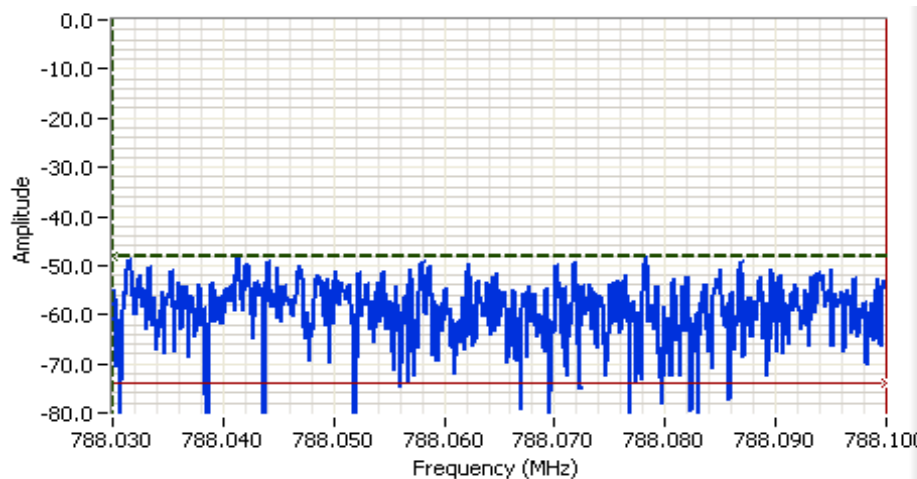
Comments

Power over span: -32.92dBm
 200.0 kHz Channel Spacing
 MSK
 f: 787.762500 MHz



Delta Freq. 30.0 kHz

Delta Amplitude 26.0

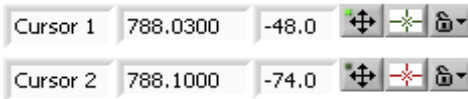


Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.065 MHz
 SPAN: 70.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.1s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -31.09dBm
 200.0 kHz Channel Spacing
 MSK
 f: 787.762500 MHz

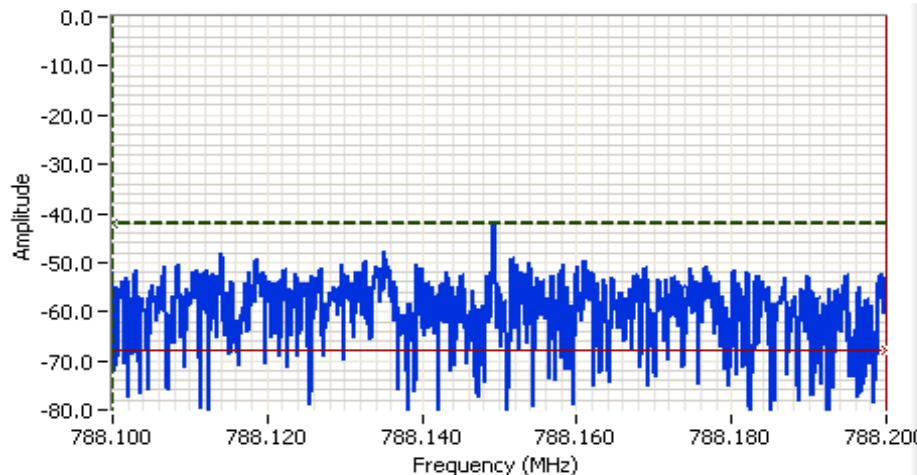


Delta Freq. 70.0 kHz

Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

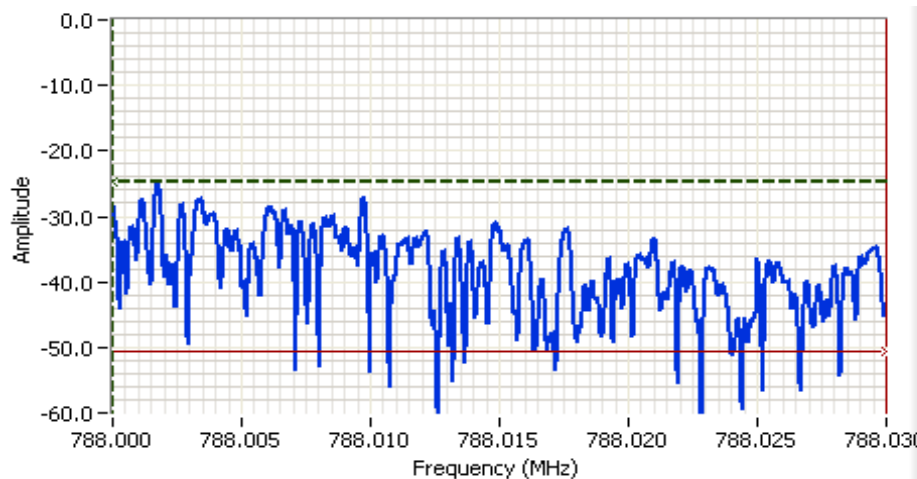
Agilent Technologies, E4446A
 CF: 788.150 MHz
 SPAN: 100 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.5s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -29.59dBm
 200.0 kHz Channel Spacing
 MSK
 f: 787.762500 MHz

Cursor 1 788.1000 -42.0
 Cursor 2 788.2000 -68.0

Delta Freq. 100 kHz
 Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.015 MHz
 SPAN: 30.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

Comments

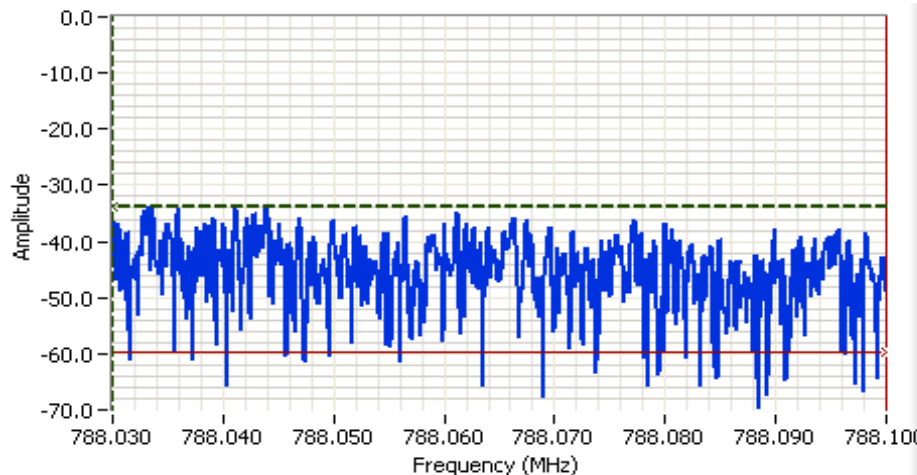
Power over span: -13.50dBm
 200.0 kHz Channel Spacing
 QPSK
 f: 787.762500 MHz

Cursor 1 788.0000 -24.7
 Cursor 2 788.0300 -50.7

Delta Freq. 30.0 kHz
 Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.065 MHz
 SPAN: 70.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.1s
 Ref Lvl: 42.0 DBM

Comments

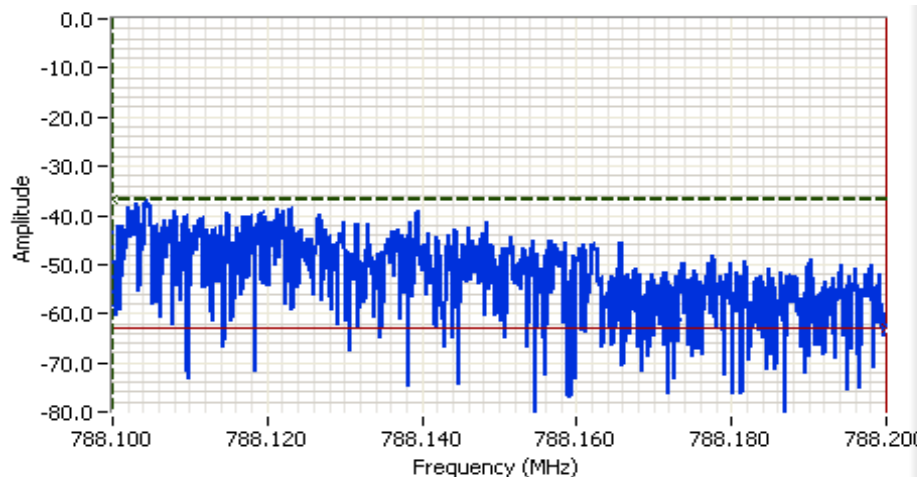
Power over span: -16.92dBm
 200.0 kHz Channel Spacing
 QPSK
 f: 787.762500 MHz

Cursor 1 788.0300 -33.7

Cursor 2 788.1000 -59.7

Delta Freq. 70.0 kHz

Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.150 MHz
 SPAN: 100 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.5s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -20.52dBm
 200.0 kHz Channel Spacing
 QPSK
 f: 787.762500 MHz

Cursor 1 788.1000 -36.8

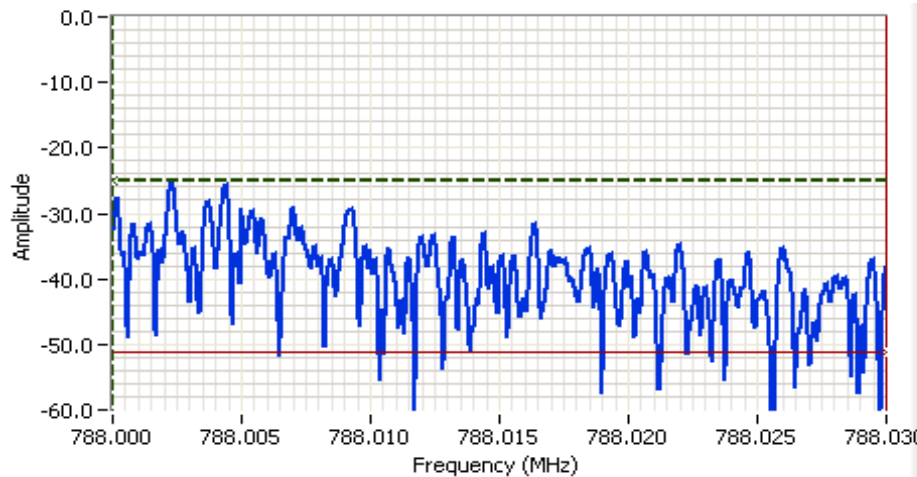
Cursor 2 788.2000 -62.8

Delta Freq. 100 kHz

Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.015 MHz
 SPAN: 30.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

Comments

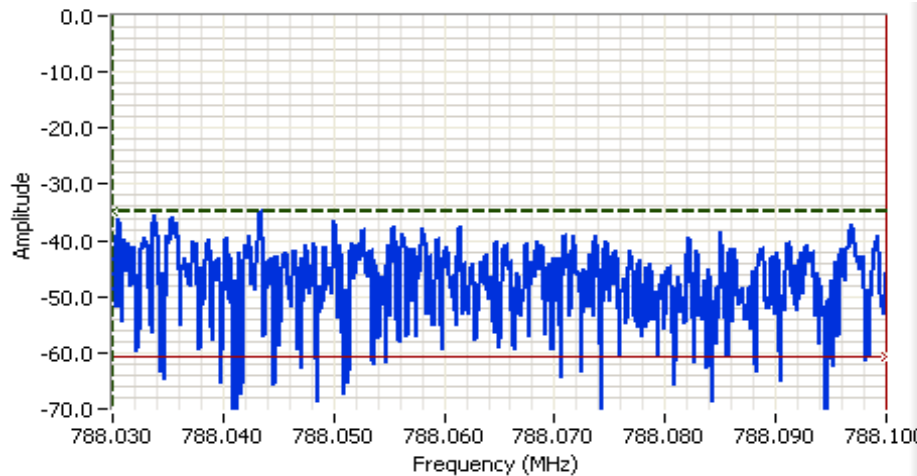
Power over span: -14.56dBm
 200.0 kHz Channel Spacing
 8PSK
 f: 787.762500 MHz

Cursor 1 788.0000 -25.1

Cursor 2 788.0300 -51.1

Delta Freq. 30.0 kHz

Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.065 MHz
 SPAN: 70.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.1s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -18.93dBm
 200.0 kHz Channel Spacing
 8PSK
 f: 787.762500 MHz

Cursor 1 788.0300 -34.7

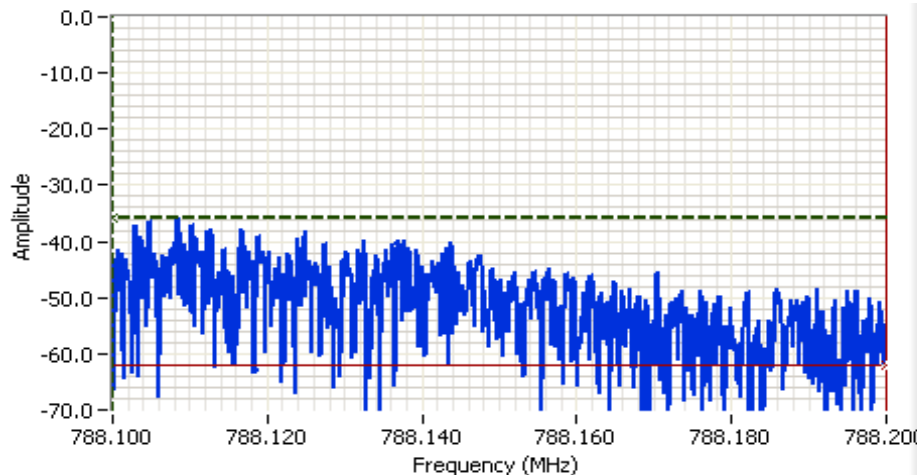
Cursor 2 788.1000 -60.7

Delta Freq. 70.0 kHz

Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

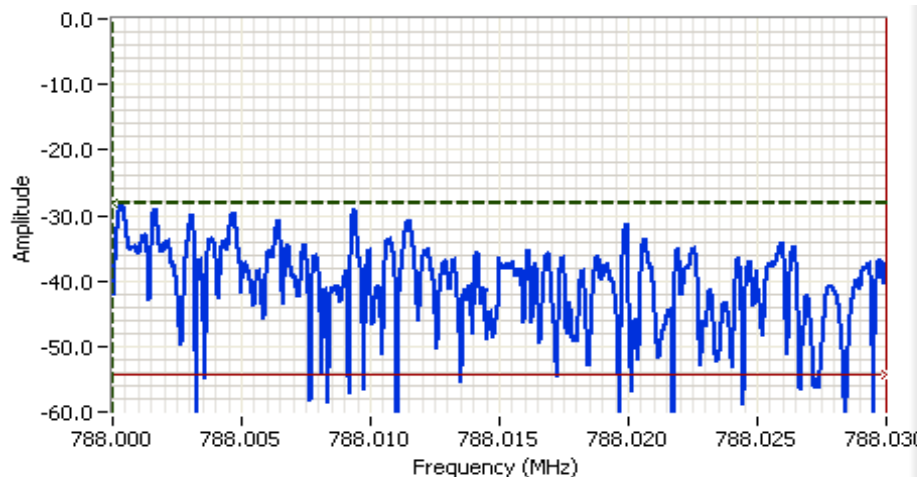
Agilent Technologies, E4446A
 CF: 788.150 MHz
 SPAN: 100 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.5s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -20.30dBm
 200.0 kHz Channel Spacing
 8PSK
 f: 787.762500 MHz

Cursor 1 788.1000 -35.9
 Cursor 2 788.2000 -61.9

Delta Freq. 100 kHz
 Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.015 MHz
 SPAN: 30.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

Comments

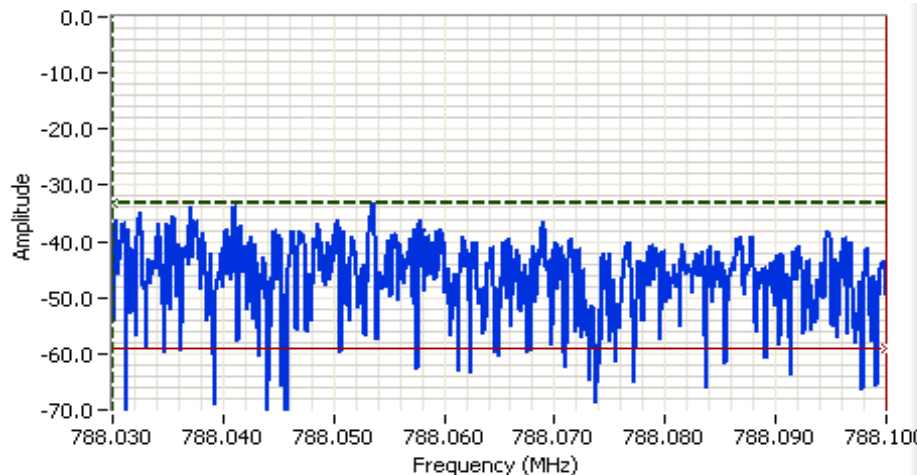
Power over span: -15.92dBm
 200.0 kHz Channel Spacing
 16QAM
 f: 787.762500 MHz

Cursor 1 788.0000 -28.3
 Cursor 2 788.0300 -54.3

Delta Freq. 30.0 kHz
 Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.065 MHz
 SPAN: 70.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.1s
 Ref Lvl: 42.0 DBM

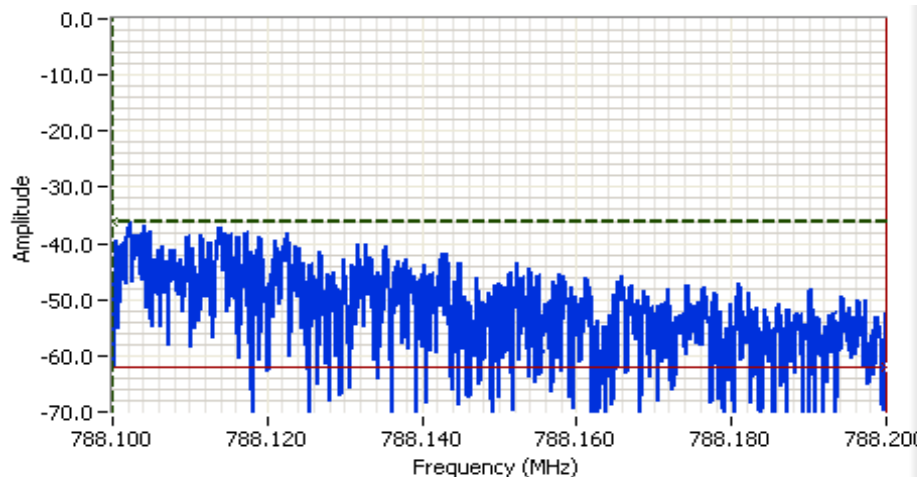
Comments

Power over span: -17.74dBm
 200.0 kHz Channel Spacing
 16QAM
 f: 787.762500 MHz

Cursor 1 788.0300 -33.0
 Cursor 2 788.1000 -59.0

Delta Freq. 70.0 kHz

Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.150 MHz
 SPAN: 100 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.5s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -20.28dBm
 200.0 kHz Channel Spacing
 16QAM
 f: 787.762500 MHz

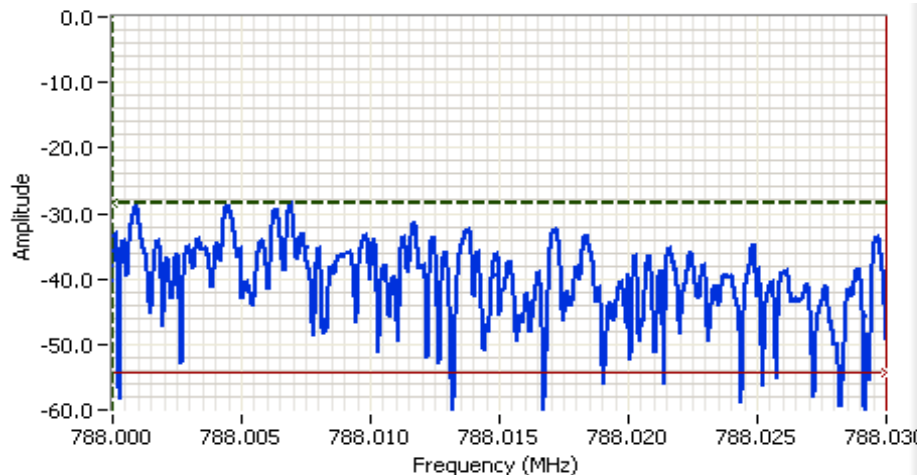
Cursor 1 788.1000 -36.0
 Cursor 2 788.2000 -62.0

Delta Freq. 100 kHz

Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.015 MHz
 SPAN: 30.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

Comments

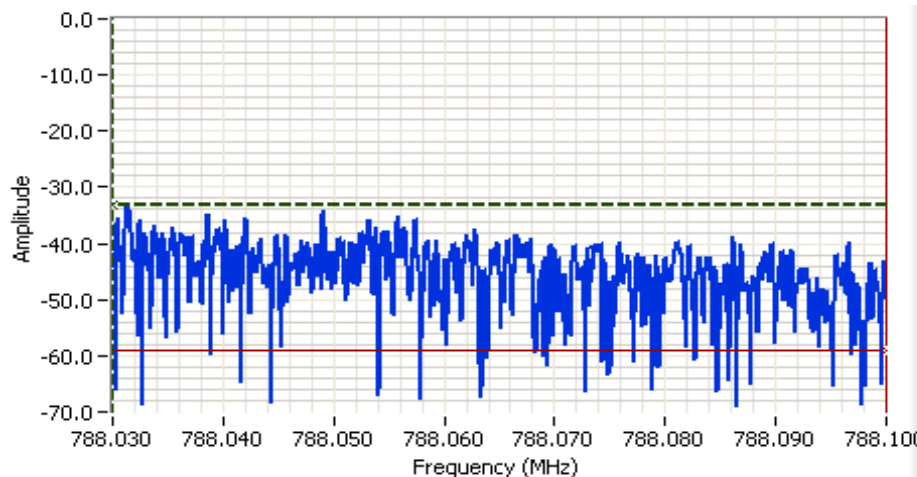
Power over span: -15.75dBm
 200.0 kHz Channel Spacing
 32QAM
 f: 787.762500 MHz

Cursor 1 788.0000 -28.4

Cursor 2 788.0300 -54.4

Delta Freq. 30.0 kHz

Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.065 MHz
 SPAN: 70.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.1s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -17.51dBm
 200.0 kHz Channel Spacing
 32QAM
 f: 787.762500 MHz

Cursor 1 788.0300 -33.0

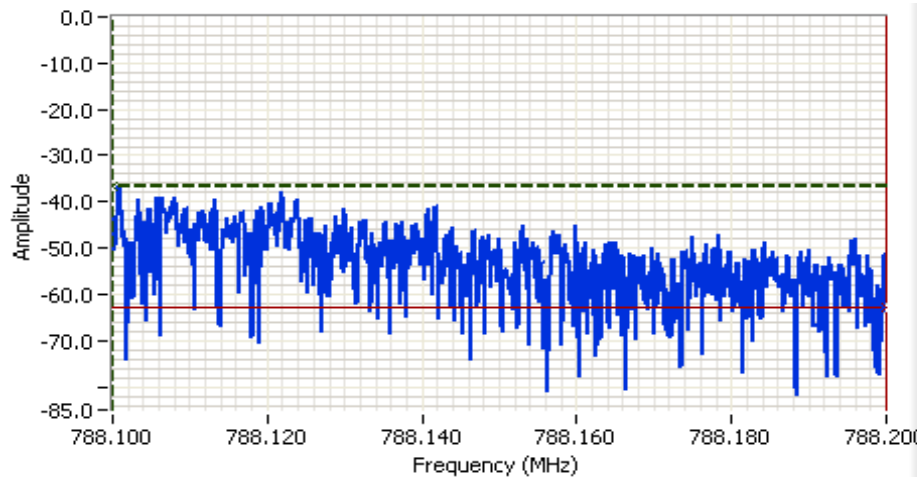
Cursor 2 788.1000 -59.0

Delta Freq. 70.0 kHz

Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.150 MHz
 SPAN: 100 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.5s
 Ref Lvl: 42.0 DBM

Comments

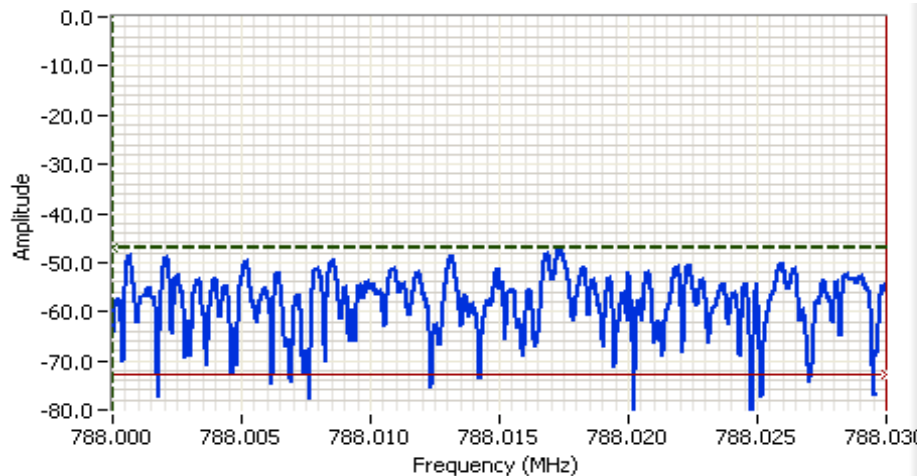
Power over span: -21.72dBm
 200.0 kHz Channel Spacing
 32QAM
 f: 787.762500 MHz

Cursor 1	788.1000	-36.8			
Cursor 2	788.2000	-62.8			

Delta Freq. 100 kHz
 Delta Amplitude 26.0

Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A

Band edge at 788 MHz, 250 kHz channel spacing

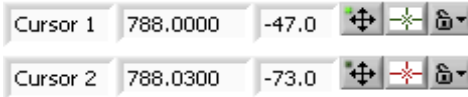


Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.015 MHz
 SPAN: 30.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

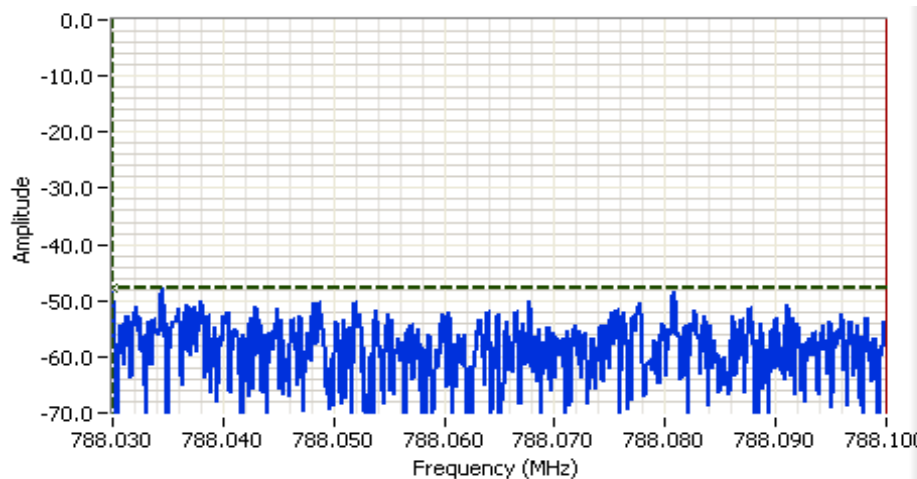
Comments

Power over span: -33.75dBm
 250.0 kHz Channel Spacing
 MSK
 f: 787.700000 MHz



Delta Freq. 30.0 kHz

Delta Amplitude 26.0

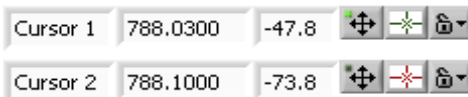


Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.065 MHz
 SPAN: 70.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.1s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -31.23dBm
 250.0 kHz Channel Spacing
 MSK
 f: 787.700000 MHz

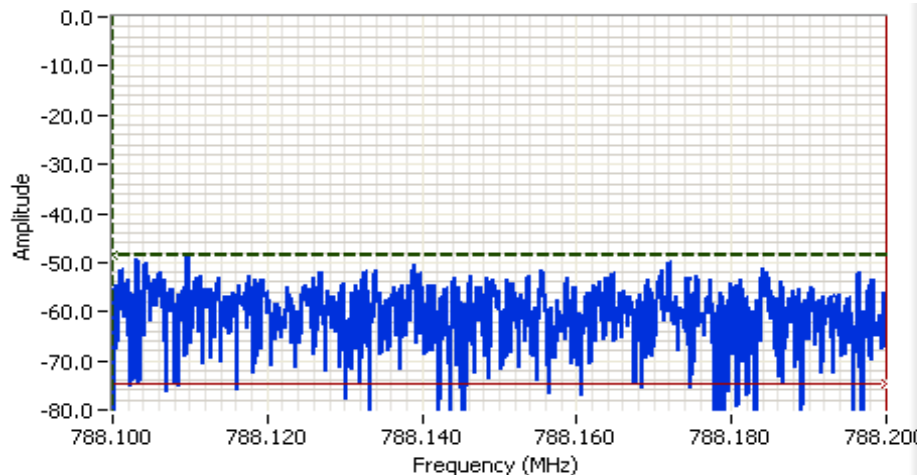


Delta Freq. 70.0 kHz

Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

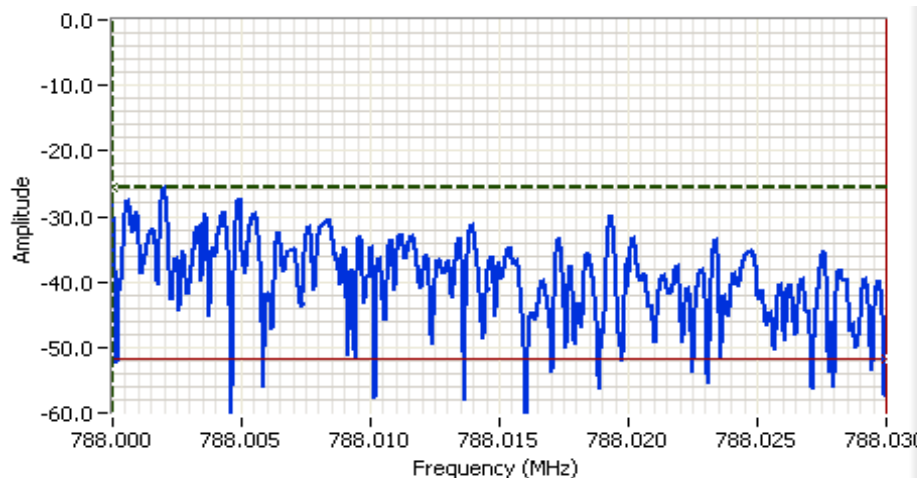
Agilent Technologies, E4446A
 CF: 788.150 MHz
 SPAN: 100 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.5s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -31.10dBm
 250.0 kHz Channel Spacing
 MSK
 f: 787.700000 MHz

Cursor 1 788.1000 -48.7
 Cursor 2 788.2000 -74.7

Delta Freq. 100 kHz
 Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.015 MHz
 SPAN: 30.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

Comments

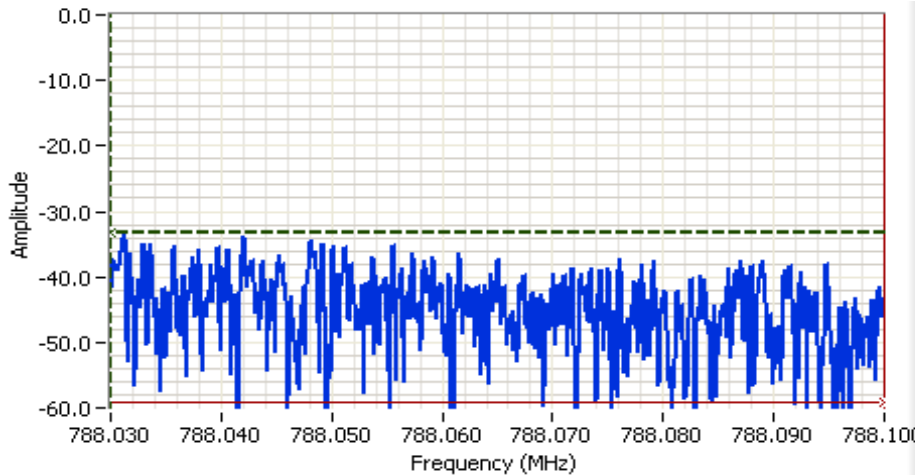
Power over span: -14.66dBm
 250.0 kHz Channel Spacing
 QPSK
 f: 787.700000 MHz

Cursor 1 788.0000 -25.7
 Cursor 2 788.0300 -51.7

Delta Freq. 30.0 kHz
 Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

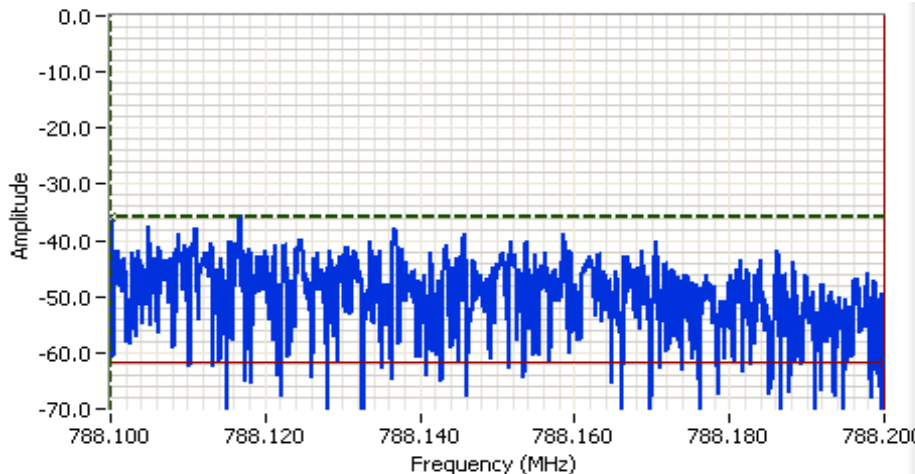
Agilent Technologies, E4446A
 CF: 788.065 MHz
 SPAN: 70.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.1s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -16.92dBm
 250.0 kHz Channel Spacing
 QPSK
 f: 787.700000 MHz

Cursor 1 788.0300 -33.2
 Cursor 2 788.1000 -59.2

Delta Freq. 70.0 kHz
 Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.150 MHz
 SPAN: 100 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.5s
 Ref Lvl: 42.0 DBM

Comments

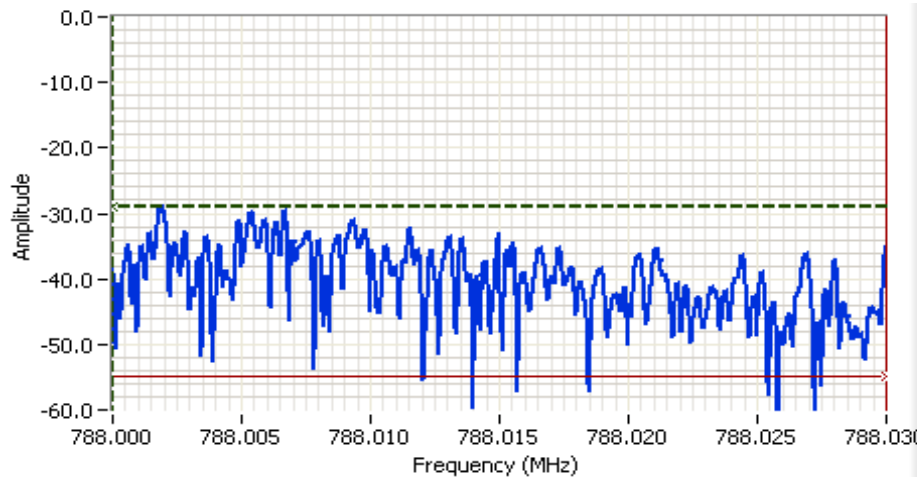
Power over span: -19.66dBm
 250.0 kHz Channel Spacing
 QPSK
 f: 787.700000 MHz

Cursor 1 788.1000 -35.7
 Cursor 2 788.2000 -61.7

Delta Freq. 100 kHz
 Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.015 MHz
 SPAN: 30.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

Comments

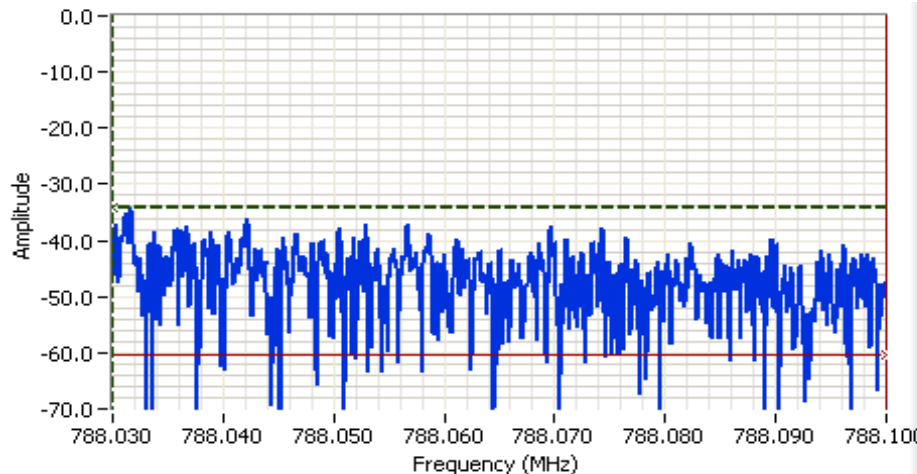
Power over span: -16.04dBm
 250.0 kHz Channel Spacing
 8PSK
 f: 787.700000 MHz

Cursor 1 788.0000 -29.0

Cursor 2 788.0300 -55.0

Delta Freq. 30.0 kHz

Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.065 MHz
 SPAN: 70.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.1s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -19.19dBm
 250.0 kHz Channel Spacing
 8PSK
 f: 787.700000 MHz

Cursor 1 788.0300 -34.3

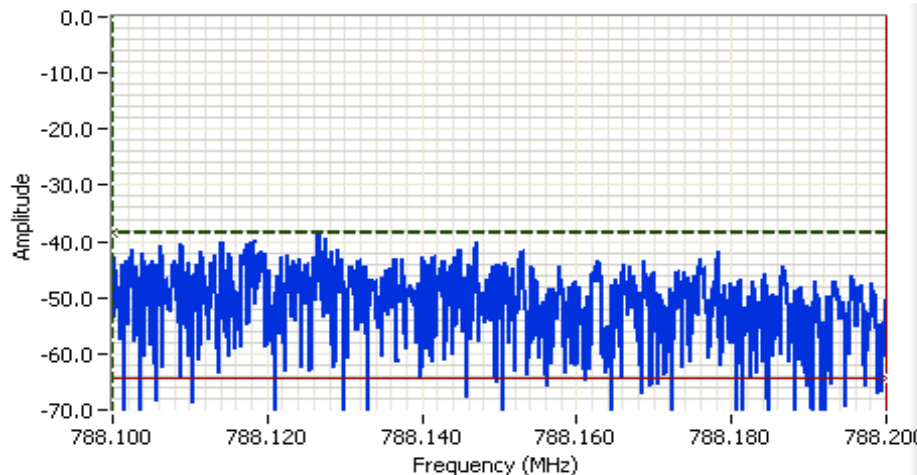
Cursor 2 788.1000 -60.3

Delta Freq. 70.0 kHz

Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

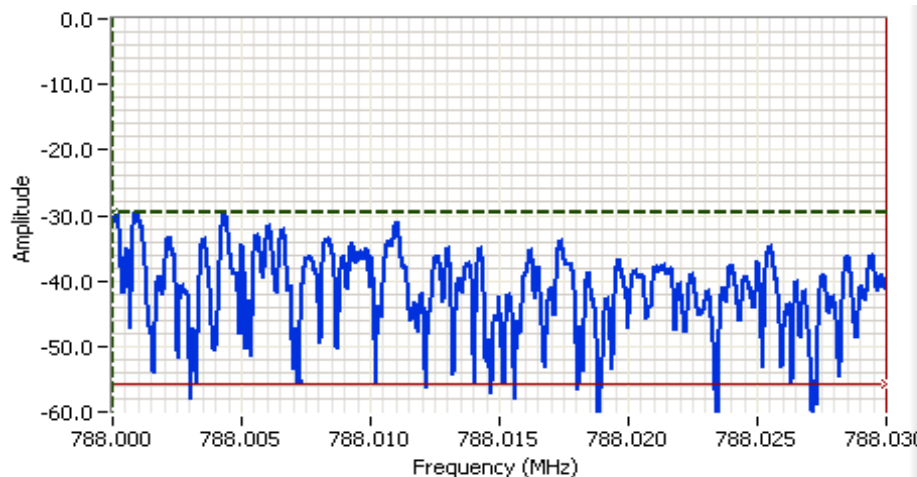
Agilent Technologies, E4446A
 CF: 788.150 MHz
 SPAN: 100 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.6s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -21.23dBm
 250.0 kHz Channel Spacing
 8PSK
 f: 787.700000 MHz

Cursor 1 788.1000 -38.4
 Cursor 2 788.2000 -64.4

Delta Freq. 100 kHz
 Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.015 MHz
 SPAN: 30.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

Comments

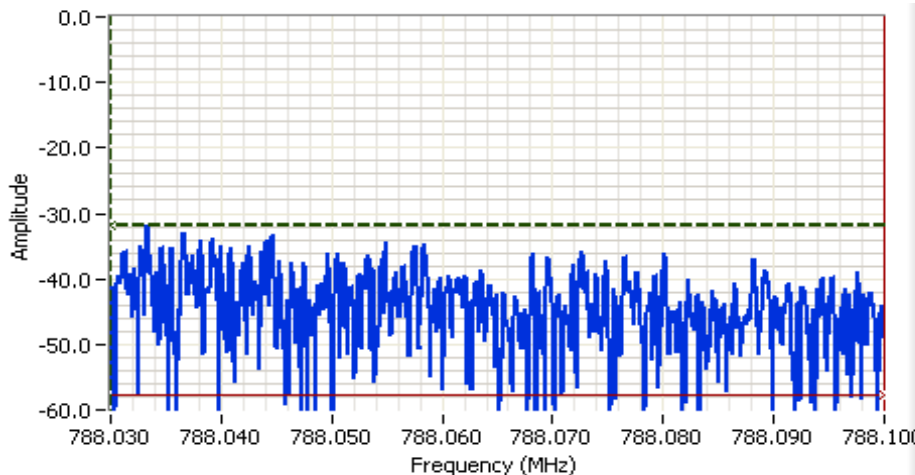
Power over span: -16.81dBm
 250.0 kHz Channel Spacing
 16QAM
 f: 787.700000 MHz

Cursor 1 788.0000 -29.6
 Cursor 2 788.0300 -55.6

Delta Freq. 30.0 kHz
 Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.065 MHz
 SPAN: 70.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.1s
 Ref Lvl: 42.0 DBM

Comments

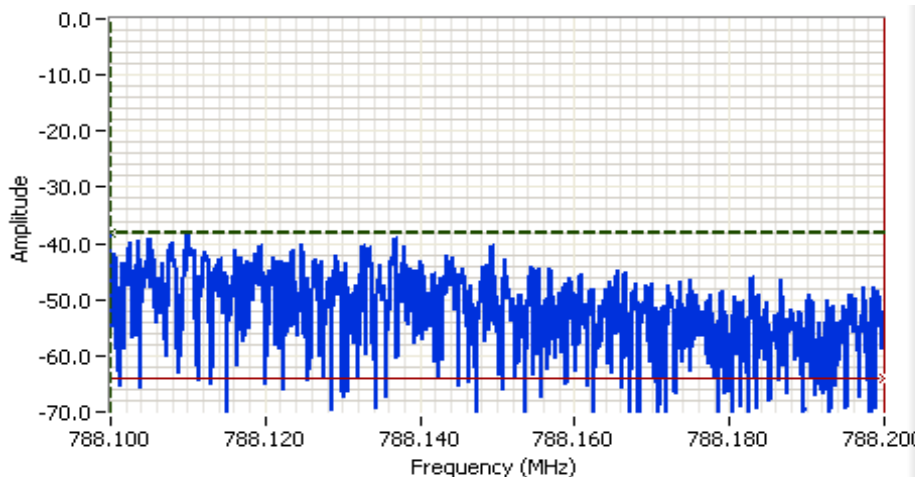
Power over span: -16.41dBm
 250.0 kHz Channel Spacing
 16QAM
 f: 787.700000 MHz

Cursor 1 788.0300 -31.7

Cursor 2 788.1000 -57.7

Delta Freq. 70.0 kHz

Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.150 MHz
 SPAN: 100 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.5s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -21.24dBm
 250.0 kHz Channel Spacing
 16QAM
 f: 787.700000 MHz

Cursor 1 788.1000 -38.1

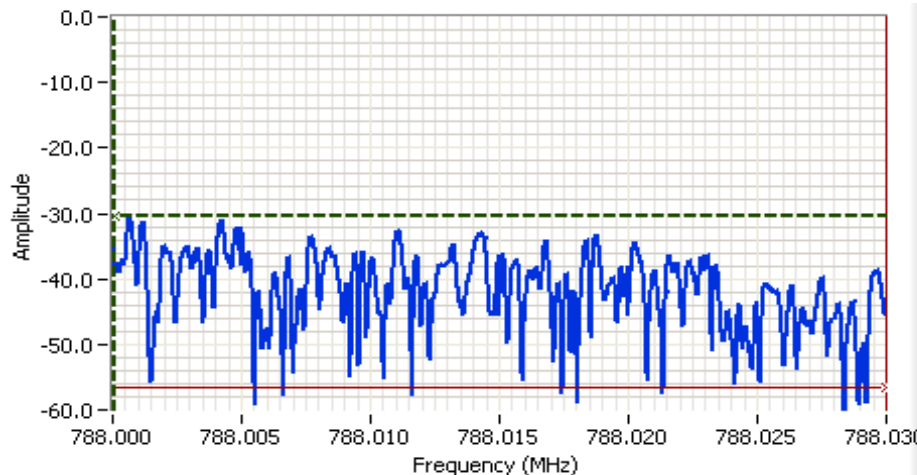
Cursor 2 788.2000 -64.1

Delta Freq. 100.0 kHz

Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

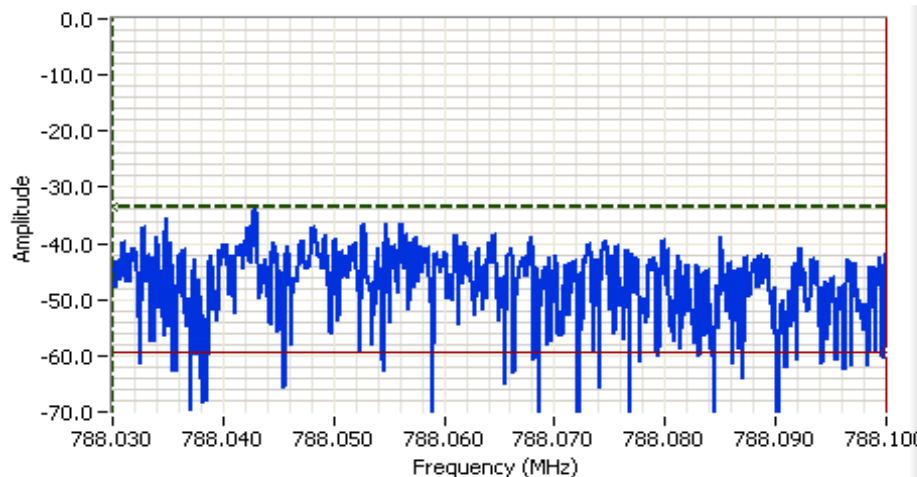
Agilent Technologies, E4446A
 CF: 788.015 MHz
 SPAN: 30.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -17.34dBm
 250.0 kHz Channel Spacing
 32QAM
 f: 787.700000 MHz

Cursor 1 788.0000 -30.5
 Cursor 2 788.0300 -56.5

Delta Freq. 30.0 kHz
 Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.065 MHz
 SPAN: 70.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.1s
 Ref Lvl: 42.0 DBM

Comments

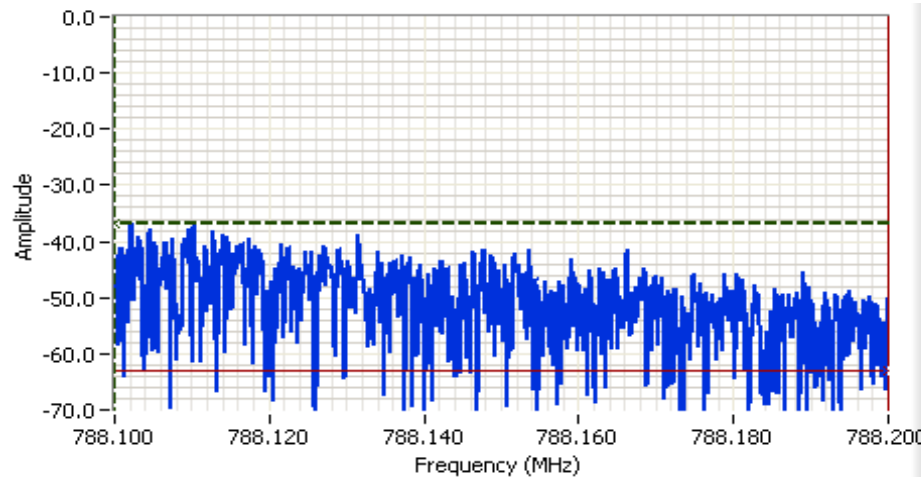
Power over span: -18.80dBm
 250.0 kHz Channel Spacing
 32QAM
 f: 787.700000 MHz

Cursor 1 788.0300 -33.5
 Cursor 2 788.1000 -59.5

Delta Freq. 70.0 kHz
 Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

Agilent Technologies, E4446A
 CF: 788.150 MHz
 SPAN: 100 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 1.5s
 Ref Lvl: 42.0 DBM

Comments

Power over span: -20.43dBm
 250.0 kHz Channel Spacing
 32QAM
 f: 787.700000 MHz

Cursor 1	788.1000	-37.0	
Cursor 2	788.2000	-63.0	

Delta Freq. 100 kHz
 Delta Amplitude 26.0



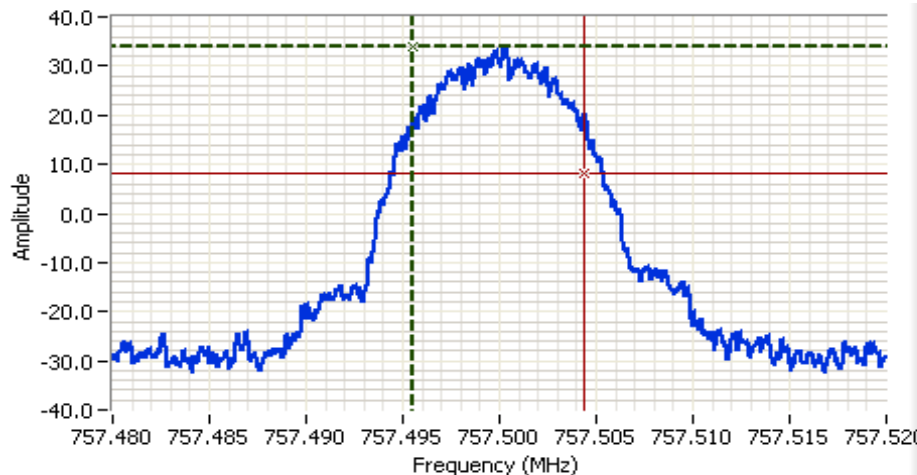
EMC Test Data

Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A

Run #3: Signal Bandwidth at 757 - 758 MHz and 787 - 788 MHz bands

Power setting	Data rate	Channel plan	Modulation	Frequency MHz	RB (Hz)	Bandwidth (kHz)		Authorized bandwidth
						26 dB	99%	
	10 kbps	12.5 kHz	MSK	757.5	200		8.94	
	23 kbps	12.5 kHz	QPSK	757.5	200		14.10	
	34 kbps	12.5 kHz	8PSK	757.5	200		14.10	
	45 kbps	12.5 kHz	16QAM	757.5	200		14.30	
	57 kbps	12.5 kHz	32QAM	757.5	200		14.00	
	19 kbps	25.0 kHz	MSK	757.5	300		17.90	
	36 kbps	25.0 kHz	QPSK	757.5	300		22.90	
	52 kbps	25.0 kHz	8PSK	757.5	300		22.50	
	70 kbps	25.0 kHz	16QAM	757.5	300		22.20	
	87 kbps	25.0 kHz	32QAM	757.5	300		22.00	
	39 kbps	50.0 kHz	MSK	757.5	620		37.60	
	71 kbps	50.0 kHz	QPSK	757.5	620		45.70	
	101 kbps	50.0 kHz	8PSK	757.5	620		43.70	
	137 kbps	50.0 kHz	16QAM	757.5	620		42.26	
	175 kbps	50.0 kHz	32QAM	757.5	620		45.70	
	76 kbps	100 kHz	MSK	757.5	1000		69.6	
	160 kbps	100 kHz	QPSK	757.5	1000		90.5	
	240 kbps	100 kHz	8PSK	757.5	1000		90.2	
	320 kbps	100 kHz	16QAM	757.5	1000		89.5	
	400 kbps	100 kHz	32QAM	757.5	1000		89.5	
	153 kbps	200 kHz	MSK	757.5	2000		136	
	320 kbps	200 kHz	QPSK	757.5	2000		175	
	480 kbps	200 kHz	8PSK	757.5	2000		175	
	640 kbps	200 kHz	16QAM	757.5	2000		175	
	800 kbps	200 kHz	32QAM	757.5	2000		175	
	194 kbps	250 kHz	MSK	757.5	3000		169	
	403 kbps	250 kHz	QPSK	757.5	3000		218	
	605 kbps	250 kHz	8PSK	757.5	3000		218	
	806 kbps	250 kHz	16QAM	757.5	3000		218	
	1008 kbps	250 kHz	32QAM	757.5	3000		217	

Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A

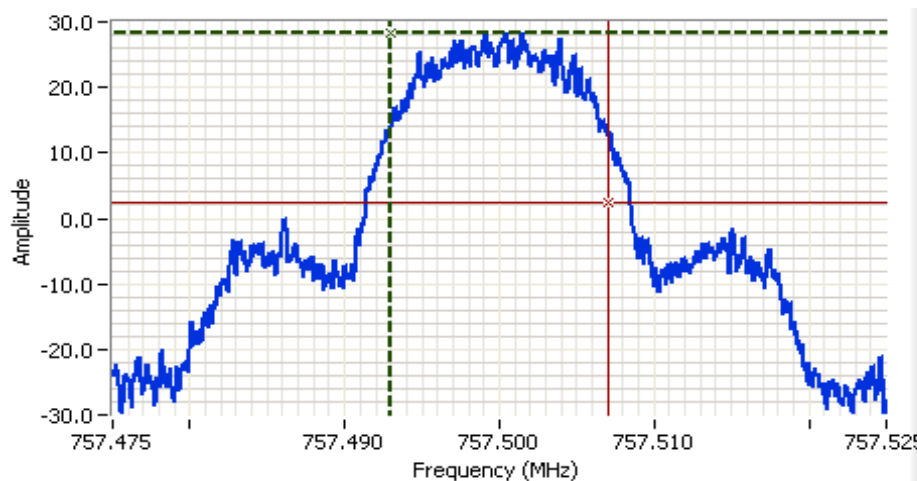


Analyzer Settings

Agilent Technologies, E4446A
 CF: 757.500 MHz
 SPAN: 40.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.6s
 Ref Lvl: 42.0 DBM

Comments

99% power BW: 8.94 kHz
 12.5 kHz Channel Spacing
 MSK
 f: 757.50000 MHz



Analyzer Settings

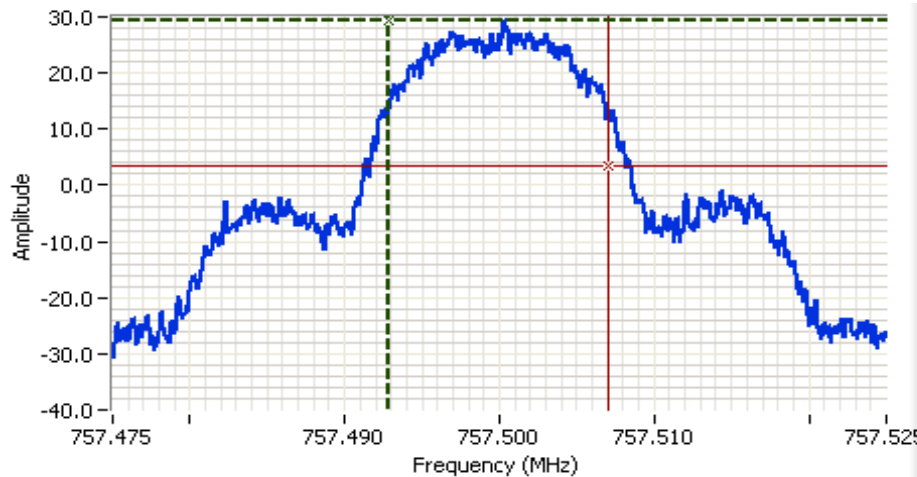
Agilent Technologies, E4446A
 CF: 757.500 MHz
 SPAN: 50.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.7s
 Ref Lvl: 42.0 DBM

Comments

99% power BW: 14.1 kHz
 12.5 kHz Channel Spacing
 QPSK
 f: 757.50000 MHz



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

Agilent Technologies, E4446A
 CF: 757.500 MHz
 SPAN: 50.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.7s
 Ref Lvl: 42.0 DBM

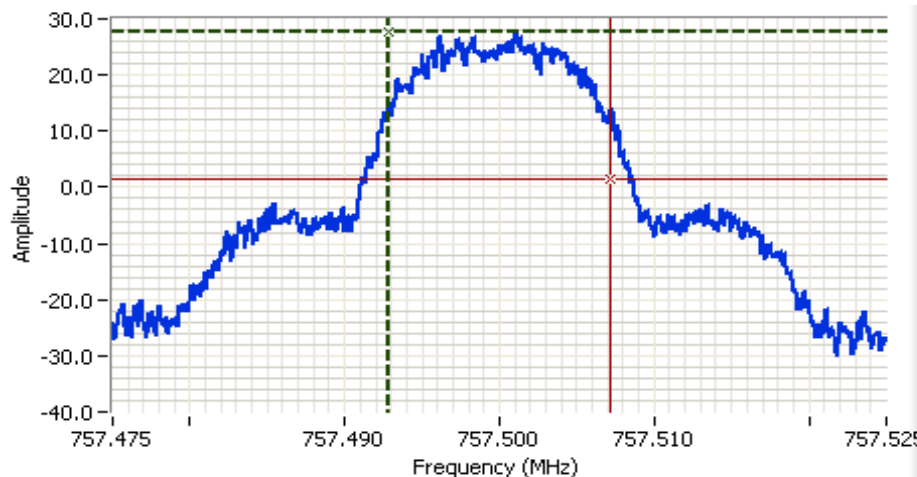
Comments

99% power BW: 14.1 kHz
 12.5 kHz Channel Spacing
 8PSK
 f: 757.50000 MHz

Cursor 1 757.4928 29.3
 Cursor 2 757.5070 3.3

Delta Freq. 14.1 kHz

Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 757.500 MHz
 SPAN: 50.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.7s
 Ref Lvl: 42.0 DBM

Comments

99% power BW: 14.3 kHz
 12.5 kHz Channel Spacing
 16QAM
 f: 757.50000 MHz

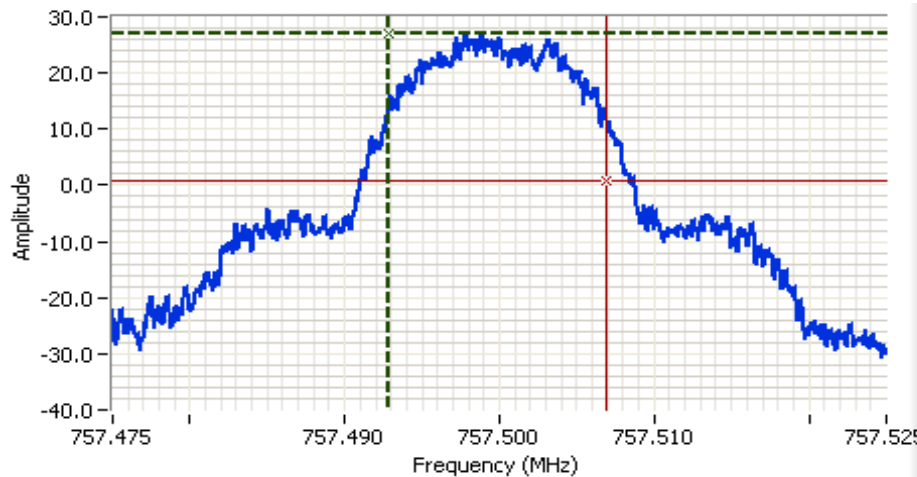
Cursor 1 757.4928 27.6
 Cursor 2 757.5072 1.6

Delta Freq. 14.3 kHz

Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

Agilent Technologies, E4446A
 CF: 757.500 MHz
 SPAN: 50.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.7s
 Ref Lvl: 42.0 DBM

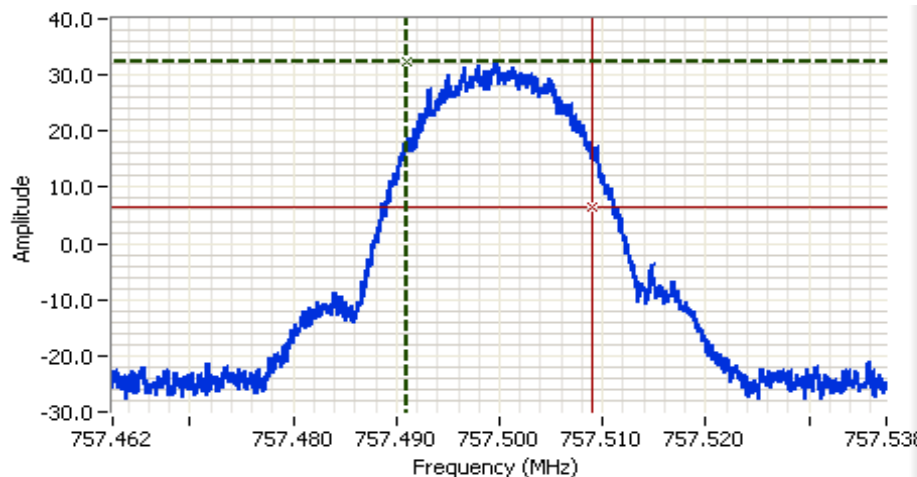
Comments

99% power BW: 14.0 kHz
 12.5 kHz Channel Spacing
 32QAM
 f: 757.50000 MHz

Cursor 1 757.4929 26.9
 Cursor 2 757.5068 0.9

Delta Freq. 14.0 kHz

Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 757.500 MHz
 SPAN: 75.0 kHz
 RB: 300 Hz
 VB: 3.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.8s
 Ref Lvl: 42.0 DBM

Comments

99% power BW: 17.9 kHz
 25.0 kHz Channel Spacing
 MSK
 f: 757.50000 MHz

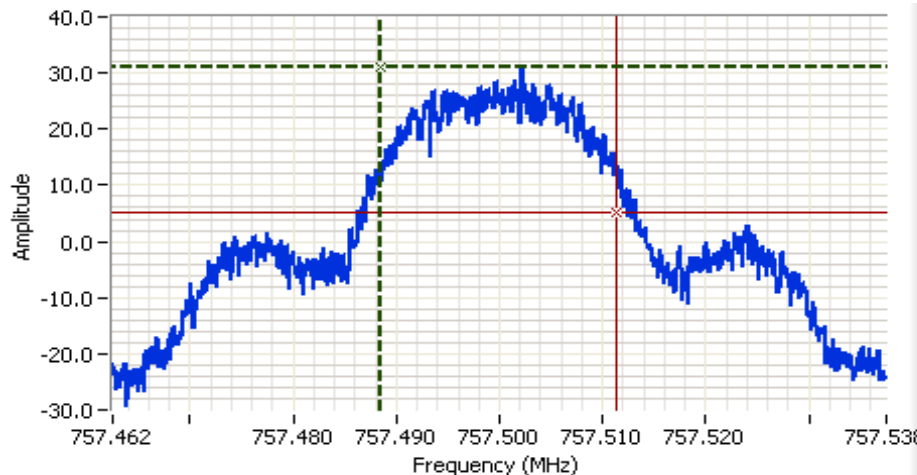
Cursor 1 757.4911 32.4
 Cursor 2 757.5089 6.4

Delta Freq. 17.9 kHz

Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

Agilent Technologies, E4446A
 CF: 757.500 MHz
 SPAN: 75.0 kHz
 RB: 300 Hz
 VB: 3.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.8s
 Ref Lvl: 42.0 DBM

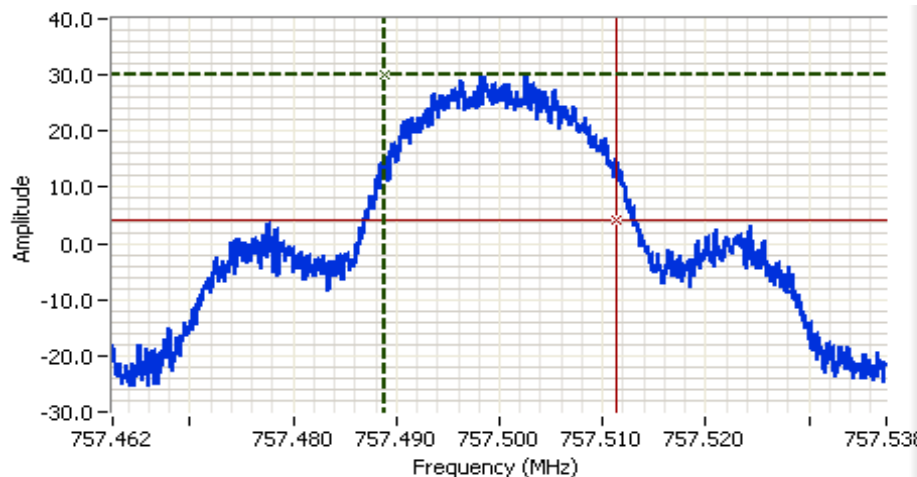
Comments

99% power BW: 22.9 kHz
 25.0 kHz Channel Spacing
 QPSK
 f: 757.500000 MHz

Cursor 1 757.4884 31.0
 Cursor 2 757.5113 5.0

Delta Freq. 22.9 kHz

Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 757.500 MHz
 SPAN: 75.0 kHz
 RB: 300 Hz
 VB: 3.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.8s
 Ref Lvl: 42.0 DBM

Comments

99% power BW: 22.5 kHz
 25.0 kHz Channel Spacing
 8PSK
 f: 757.500000 MHz

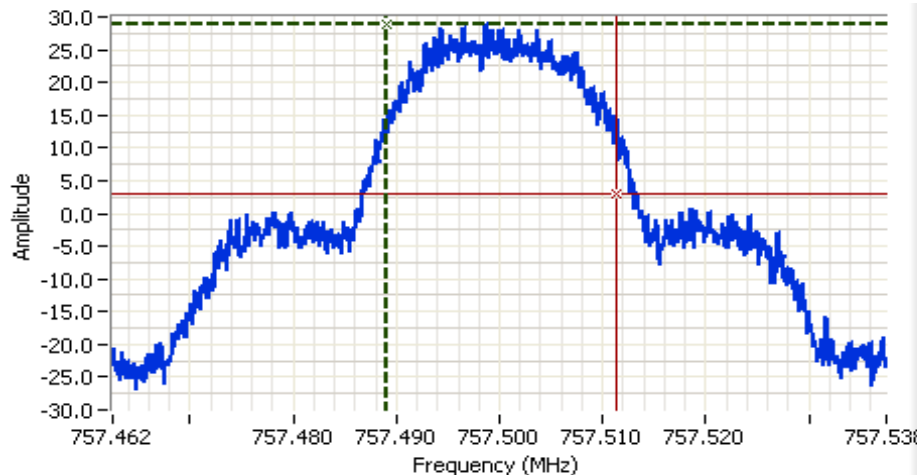
Cursor 1 757.4888 30.0
 Cursor 2 757.5113 4.0

Delta Freq. 22.5 kHz

Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A

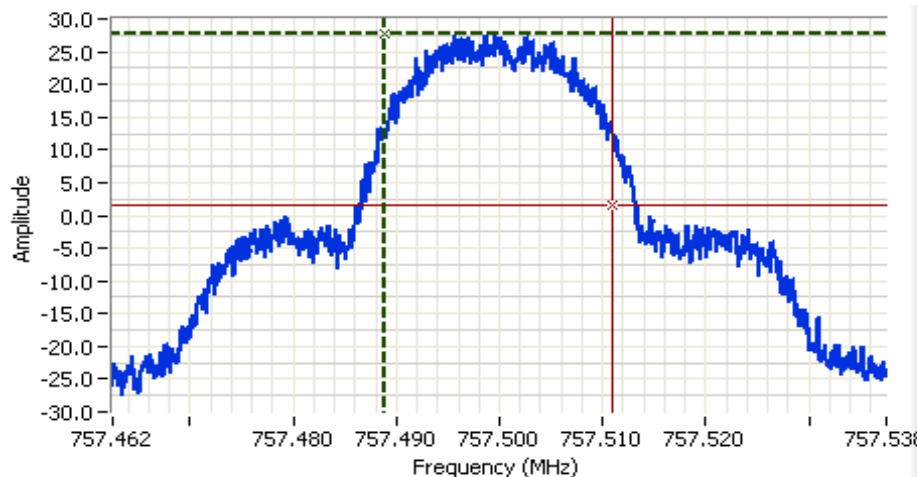


Analyzer Settings

Agilent Technologies, E4446A
 CF: 757.500 MHz
 SPAN: 75.0 kHz
 RB: 300 Hz
 VB: 3.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.8s
 Ref Lvl: 42.0 DBM

Comments

99% power BW: 22.2 kHz
 25.0 kHz Channel Spacing
 16QAM
 f: 757.500000 MHz



Analyzer Settings

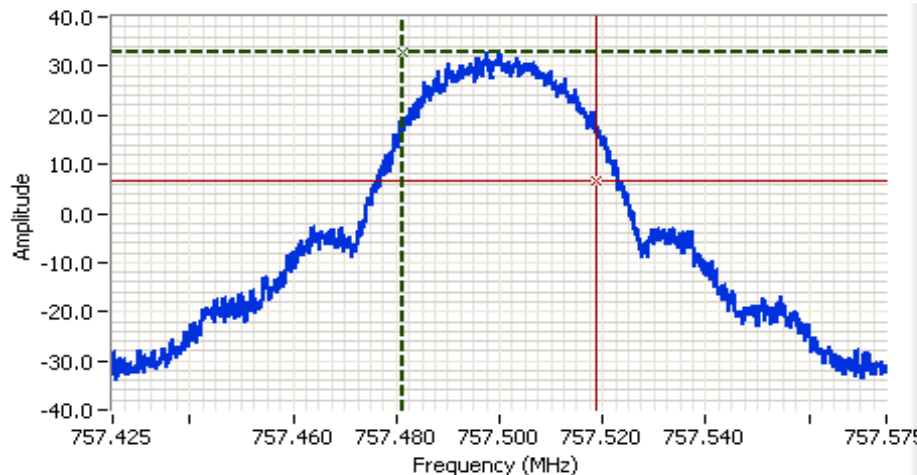
Agilent Technologies, E4446A
 CF: 757.500 MHz
 SPAN: 75.0 kHz
 RB: 300 Hz
 VB: 3.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.8s
 Ref Lvl: 42.0 DBM

Comments

99% power BW: 22.0 kHz
 25.0 kHz Channel Spacing
 32QAM
 f: 757.500000 MHz



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

Agilent Technologies, E4446A
 CF: 757.500 MHz
 SPAN: 150 kHz
 RB: 620 Hz
 VB: 6.20 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

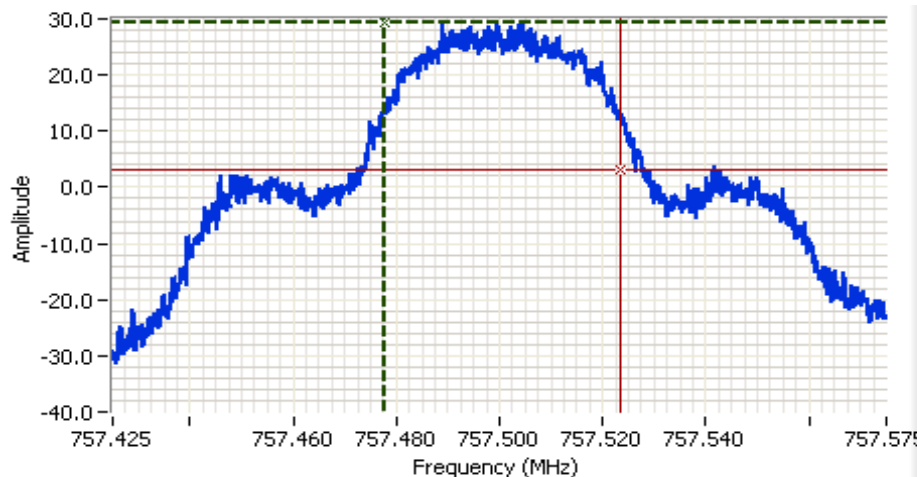
Comments

99% power BW: 37.6 kHz
 50.0 kHz Channel Spacing
 MSK
 f: 757.500000 MHz

Cursor 1 757.4813 32.8
 Cursor 2 757.5188 6.8

Delta Freq. 37.6 kHz

Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 757.500 MHz
 SPAN: 150 kHz
 RB: 620 Hz
 VB: 6.20 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

Comments

99% power BW: 45.7 kHz
 50.0 kHz Channel Spacing
 QPSK
 f: 757.500000 MHz

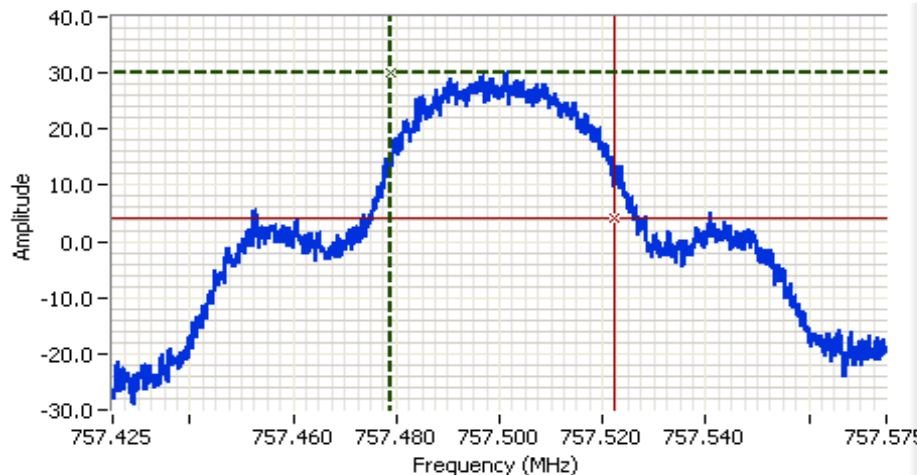
Cursor 1 757.4776 29.3
 Cursor 2 757.5233 3.3

Delta Freq. 45.7 kHz

Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

Agilent Technologies, E4446A
 CF: 757.500 MHz
 SPAN: 150 kHz
 RB: 620 Hz
 VB: 6.20 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

Comments

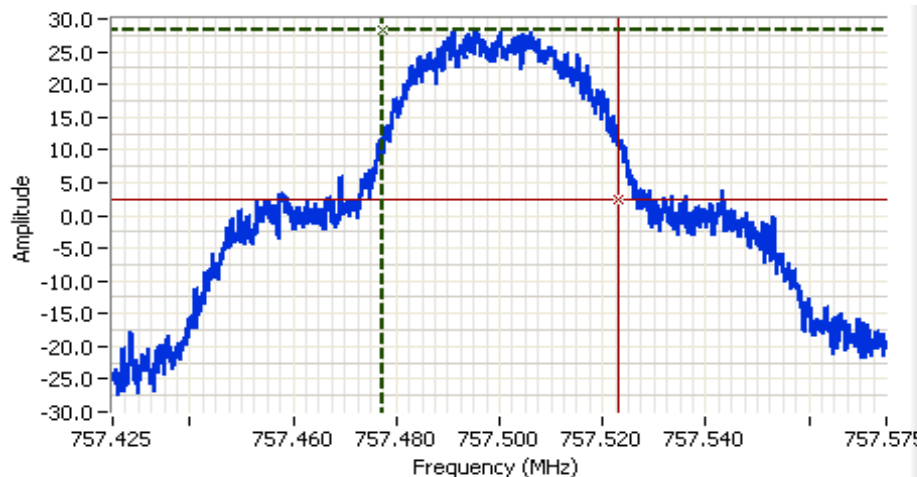
99% power BW: 43.7 kHz
 50.0 kHz Channel Spacing
 8PSK
 f: 757.500000 MHz

Cursor 1 757.4787 30.1

Cursor 2 757.5224 4.1

Delta Freq. 43.7 kHz

Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 757.500 MHz
 SPAN: 150 kHz
 RB: 620 Hz
 VB: 6.20 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

Comments

Power over span: 42.26dBm
 50.0 kHz Channel Spacing
 16QAM
 f: 757.500000 MHz

Cursor 1 757.4775 28.3

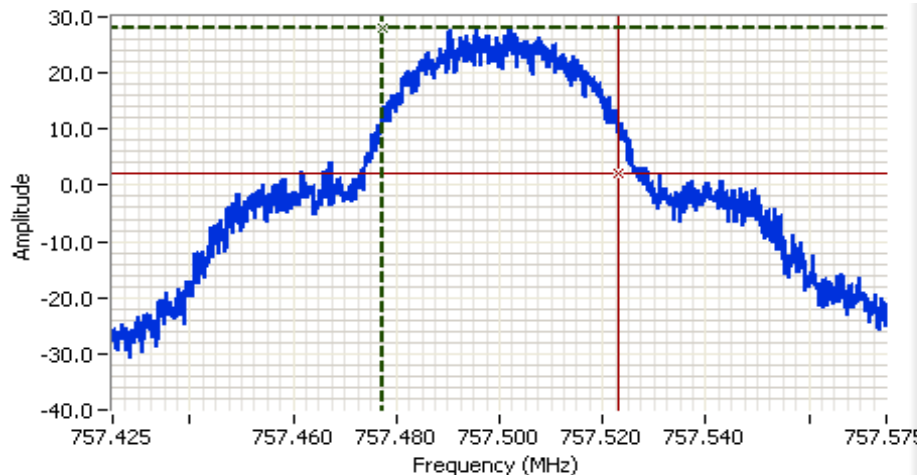
Cursor 2 757.5230 2.3

Delta Freq. 45.5 kHz

Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

Agilent Technologies, E4446A
 CF: 757.500 MHz
 SPAN: 150 kHz
 RB: 620 Hz
 VB: 6.20 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 0.4s
 Ref Lvl: 42.0 DBM

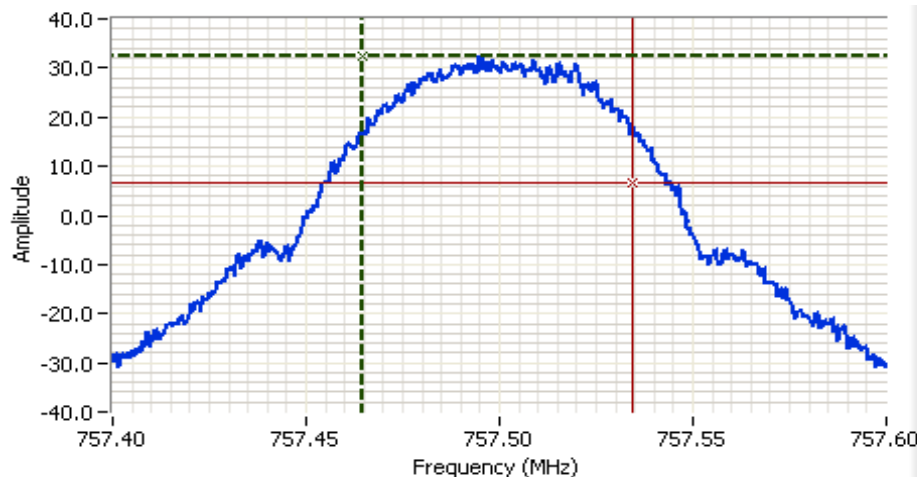
Comments

99% power BW: 45.7 kHz
 50.0 kHz Channel Spacing
 32QAM
 f: 757.500000 MHz

Cursor 1	757.4774	28.0	
Cursor 2	757.5231	2.0	

Delta Freq. 45.7 kHz

Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 757.500 MHz
 SPAN: 200 kHz
 RB: 1.00 kHz
 VB: 3.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 191.2ms
 Ref Lvl: 42.0 DBM

Comments

99% power BW: 69.9 kHz
 100.0 kHz Channel Spacing
 MSK
 f: 757.500000 MHz

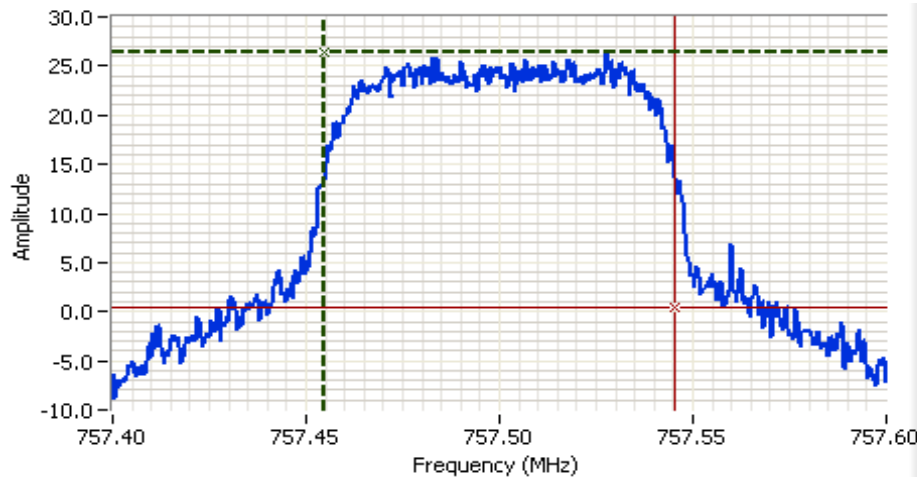
Cursor 1	757.4646	32.6	
Cursor 2	757.5344	6.6	

Delta Freq. 69.9 kHz

Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A

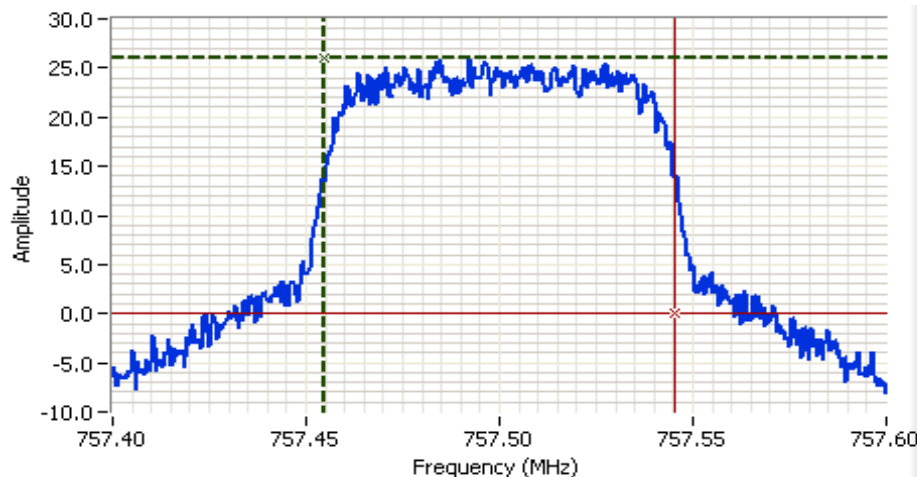


Analyzer Settings

Agilent Technologies, E4446A
 CF: 757.500 MHz
 SPAN: 200 kHz
 RB: 1.00 kHz
 VB: 3.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 191.2ms
 Ref Lvl: 42.0 DBM

Comments

99% power BW: 90.5 kHz
 100.0 kHz Channel Spacing
 QPSK
 f: 757.500000 MHz



Analyzer Settings

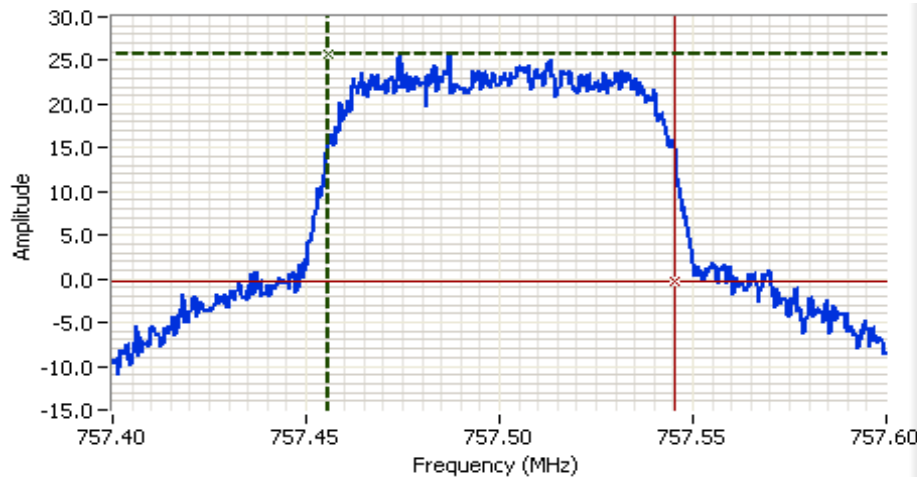
Agilent Technologies, E4446A
 CF: 757.500 MHz
 SPAN: 200 kHz
 RB: 1.00 kHz
 VB: 3.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 191.2ms
 Ref Lvl: 42.0 DBM

Comments

99% power BW: 90.2 kHz
 100.0 kHz Channel Spacing
 8PSK
 f: 757.500000 MHz



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A

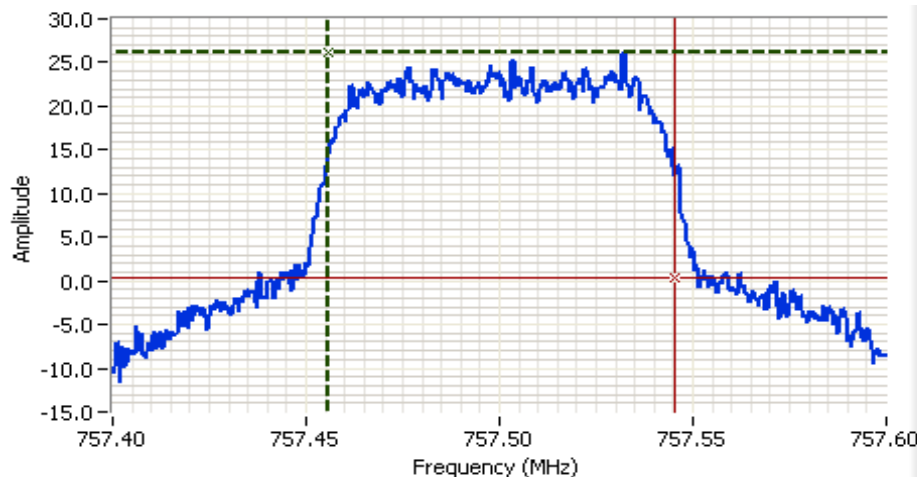


Analyzer Settings

Agilent Technologies, E4446A
 CF: 757.500 MHz
 SPAN: 200 kHz
 RB: 1.00 kHz
 VB: 3.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 191.2ms
 Ref Lvl: 42.0 DBM

Comments

99% power BW: 89.5 kHz
 100.0 kHz Channel Spacing
 16QAM
 f: 757.500000 MHz



Analyzer Settings

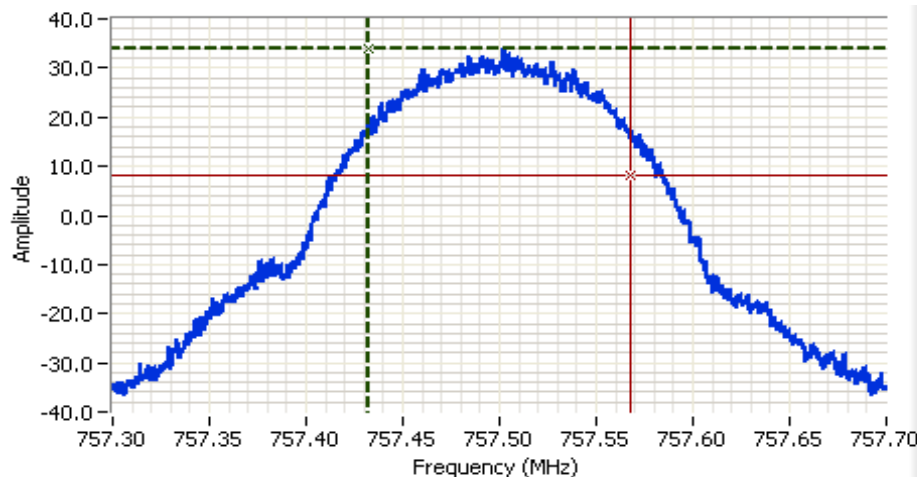
Agilent Technologies, E4446A
 CF: 757.500 MHz
 SPAN: 200 kHz
 RB: 1.00 kHz
 VB: 3.00 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 191.2ms
 Ref Lvl: 42.0 DBM

Comments

99% power BW: 89.5 kHz
 100.0 kHz Channel Spacing
 32QAM
 f: 757.500000 MHz



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A

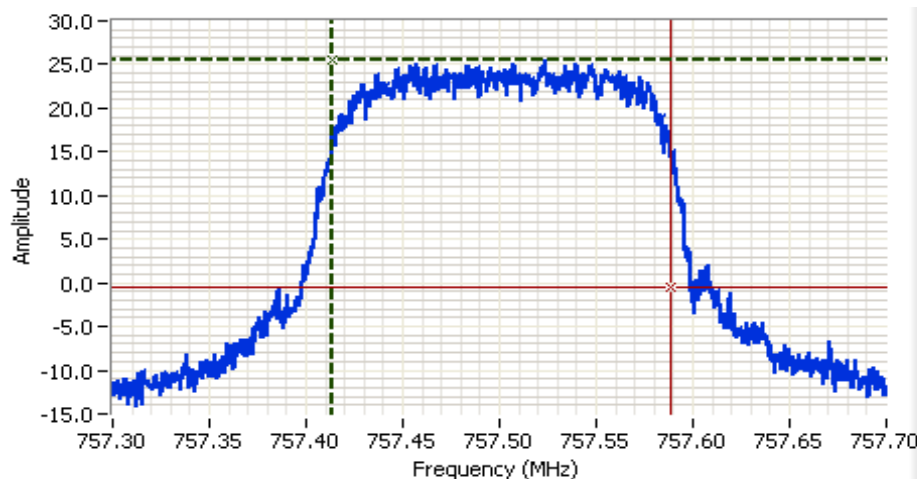


Analyzer Settings

Agilent Technologies, E4446A
 CF: 757.500 MHz
 SPAN: 400 kHz
 RB: 2.00 kHz
 VB: 6.20 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 95.4ms
 Ref Lvl: 42.0 DBM

Comments

99% power BW: 136 kHz
 200.0 kHz Channel Spacing
 MSK
 f: 757.500000 MHz



Analyzer Settings

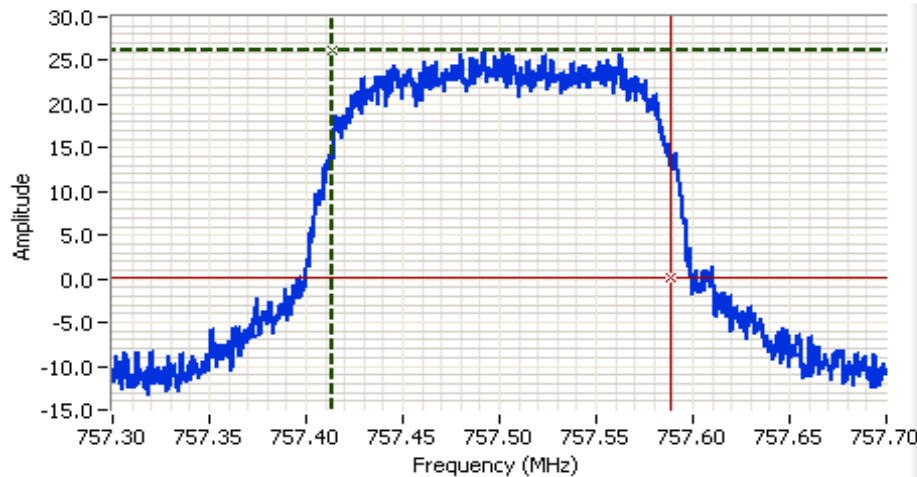
Agilent Technologies, E4446A
 CF: 757.500 MHz
 SPAN: 400 kHz
 RB: 2.00 kHz
 VB: 6.20 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 95.4ms
 Ref Lvl: 42.0 DBM

Comments

99% power BW: 175 kHz
 200.0 kHz Channel Spacing
 QPSK
 f: 757.500000 MHz



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A

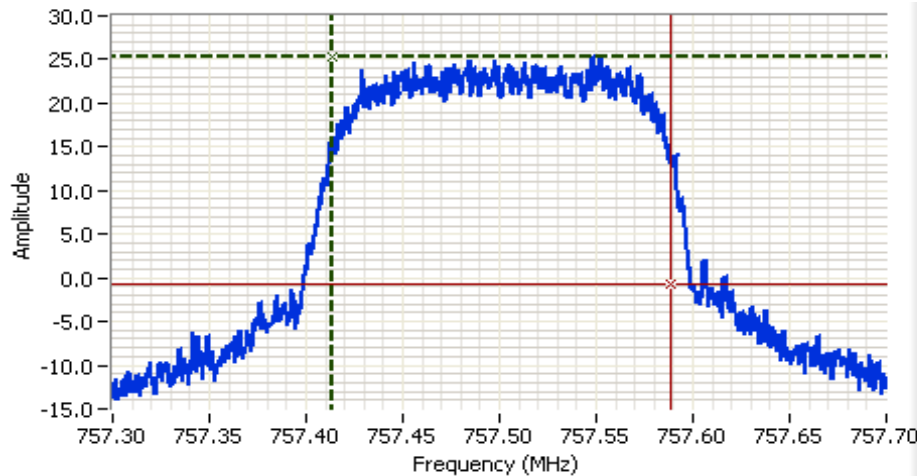


Analyzer Settings

Agilent Technologies, E4446A
 CF: 757.500 MHz
 SPAN: 400 kHz
 RB: 2.00 kHz
 VB: 6.20 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 95.4ms
 Ref Lvl: 42.0 DBM

Comments

99% power BW: 175 kHz
 200.0 kHz Channel Spacing
 8PSK
 f: 757.500000 MHz



Analyzer Settings

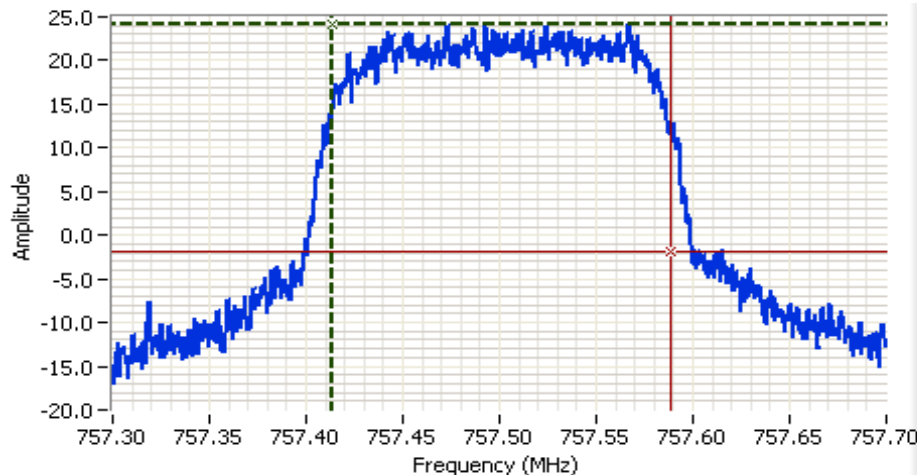
Agilent Technologies, E4446A
 CF: 757.500 MHz
 SPAN: 400 kHz
 RB: 2.00 kHz
 VB: 6.20 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 95.4ms
 Ref Lvl: 42.0 DBM

Comments

99% power BW: 175 kHz
 200.0 kHz Channel Spacing
 16QAM
 f: 757.500000 MHz



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A

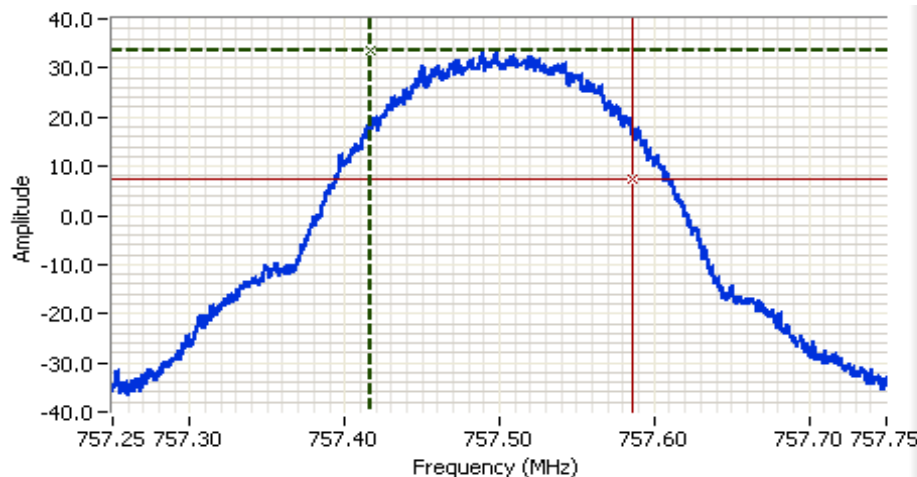


Analyzer Settings

Agilent Technologies, E4446A
 CF: 757.500 MHz
 SPAN: 400 kHz
 RB: 2.00 kHz
 VB: 6.20 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 95.4ms
 Ref Lvl: 42.0 DBM

Comments

99% power BW: 175 kHz
 200.0 kHz Channel Spacing
 32QAM
 f: 757.500000 MHz



Analyzer Settings

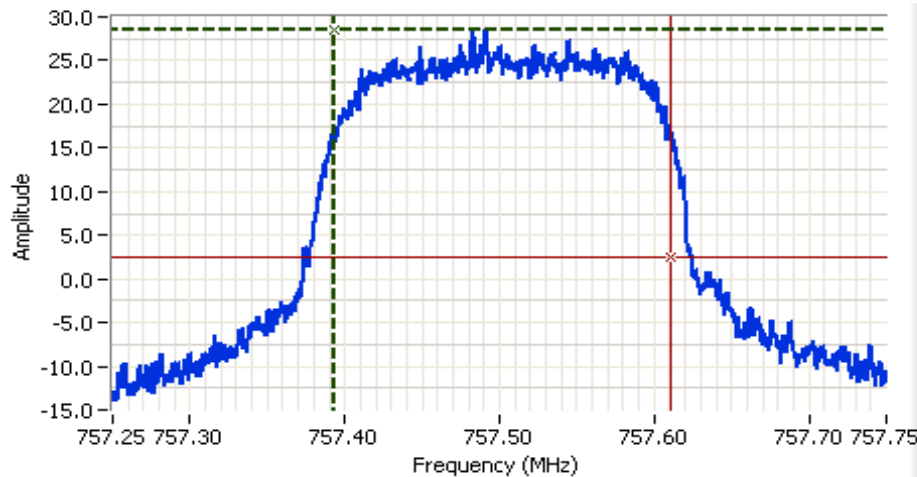
Agilent Technologies, E4446A
 CF: 757.500 MHz
 SPAN: 500 kHz
 RB: 3.00 kHz
 VB: 9.10 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 53.2ms
 Ref Lvl: 42.0 DBM

Comments

99% power BW: 169 kHz
 250.0 kHz Channel Spacing
 MSK
 f: 757.500000 MHz



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

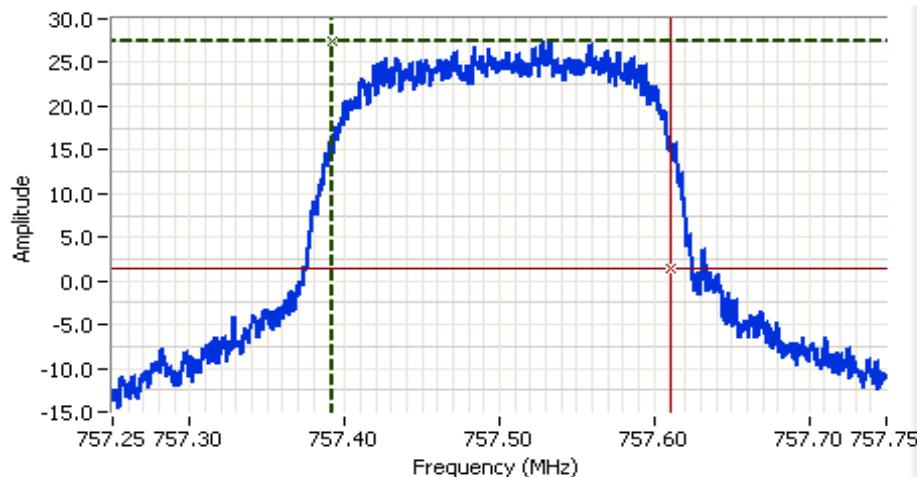
Agilent Technologies, E4446A
 CF: 757.500 MHz
 SPAN: 500 kHz
 RB: 3.00 kHz
 VB: 9.10 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 53.2ms
 Ref Lvl: 42.0 DBM

Comments

99% power BW: 218 kHz
 250.0 kHz Channel Spacing
 QPSK
 f: 757.500000 MHz

Cursor 1 757.3930 28.5
 Cursor 2 757.6109 2.5

Delta Freq. 218 kHz
 Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 757.500 MHz
 SPAN: 500 kHz
 RB: 3.00 kHz
 VB: 9.10 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 53.2ms
 Ref Lvl: 42.0 DBM

Comments

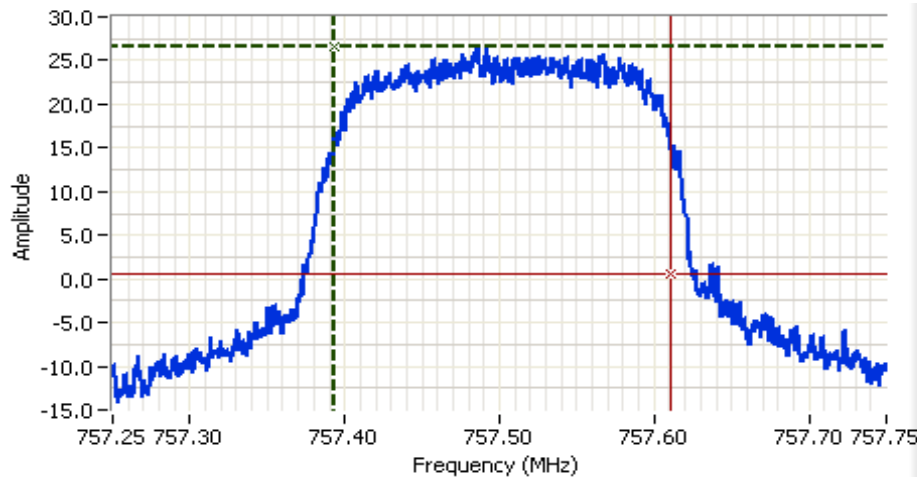
99% power BW: 218 kHz
 250.0 kHz Channel Spacing
 8PSK
 f: 757.500000 MHz

Cursor 1 757.3925 27.4
 Cursor 2 757.6104 1.4

Delta Freq. 218 kHz
 Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A



Analyzer Settings

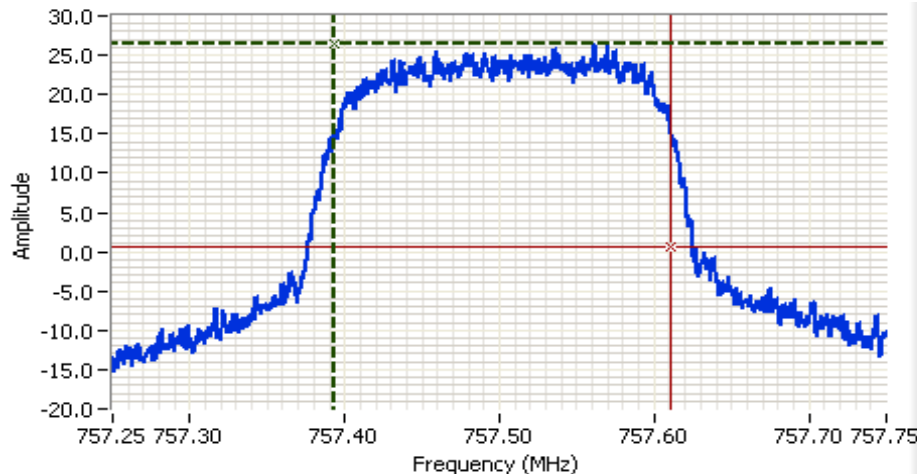
Agilent Technologies, E4446A
 CF: 757.500 MHz
 SPAN: 500 kHz
 RB: 3.00 kHz
 VB: 9.10 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 53.2ms
 Ref Lvl: 42.0 DBM

Comments

99% power BW: 218 kHz
 250.0 kHz Channel Spacing
 16QAM
 f: 757.500000 MHz

Cursor 1 757.3935 26.7
 Cursor 2 757.6110 0.7

Delta Freq. 218 kHz
 Delta Amplitude 26.0



Analyzer Settings

Agilent Technologies, E4446A
 CF: 757.500 MHz
 SPAN: 500 kHz
 RB: 3.00 kHz
 VB: 9.10 kHz
 Detector: POS
 Attn: 30 DB
 RL Offset: 23.2 DB
 Sweep Time: 53.2ms
 Ref Lvl: 42.0 DBM

Comments

99% power BW: 217 kHz
 250.0 kHz Channel Spacing
 32QAM
 f: 757.500000 MHz

Cursor 1 757.3936 26.5
 Cursor 2 757.6107 0.5

Delta Freq. 217 kHz
 Delta Amplitude 26.0





EMC Test Data

Client:	Xetawave LLC	Job Number:	JD103419
Model:	Xeta7	T-Log Number:	T103448
Contact:	Sandee Malang	Project Manager:	Christine Krebill
Standard:	FCC Part 27	Project Coordinator:	-
		Class:	N/A

Run #4: Out of Band Spurious Emissions, Conducted

27.53 (c)(1-2) On any frequency outside the 746-758 MHz and 776-788 MHz bands, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB (-13 dBm)

Compliance with this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed

27.53 (c)(3) On all frequencies between 763-775 MHz and 793-805 MHz bands, the power of any emissions shall be attenuated below the transmitter power (P) by at least $76 + 10 \log(P)$ dB (-46 dBm) in a 6.25 kHz band segment for base and fixed stations.

27.53 (c)(4) On all frequencies between 763-775 MHz and 793-805 MHz bands, the power of any emissions shall be attenuated below the transmitter power (P) by at least $65 + 10 \log(P)$ dB (-35 dBm) in a 6.25 kHz band segment for mobile and portable stations.

Compliance with this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.

Date of Test: 12/7/2016
 Test Engineer: Kevin
 Test Location: FT Lab #4B

Config. Used: 1
 Config Change: None
 EUT Voltage: 12 Vdc

Out of Band Spurious Emissions, Conducted

Frequency MHz	Level dBm	Port	Limit dBm	Margin dB	Detector Pk/QP/Avg	Azimuth degrees	Height meters	Comments	Channel
755.869	-29.1	RF Port	-13.0	-16.1	Peak	-	-	12.5 kHz	757.5 MHz
757.497	40.4	RF Port	-	-	Peak	-	-	12.5 kHz	757.5 MHz
759.124	-28.5	RF Port	-13.0	-15.5	Peak	-	-	12.5 kHz	757.5 MHz
760.751	-40.5	RF Port	-13.0	-27.5	Peak	-	-	12.5 kHz	757.5 MHz
1517.170	-29.2	RF Port	-13.0	-16.2	Peak	-	-	12.5 kHz	757.5 MHz
754.483	-30.8	RF Port	-13.0	-17.8	Peak	-	-	250 kHz	757.5 MHz
757.496	39.4	RF Port	-	-	Peak	-	-	250 kHz	757.5 MHz
759.124	-30.8	RF Port	-13.0	-17.8	Peak	-	-	250 kHz	757.5 MHz
760.751	-39.0	RF Port	-13.0	-26.0	Peak	-	-	250 kHz	757.5 MHz
785.009	-29.5	RF Port	-13.0	-16.5	Peak	-	-	12.5 kHz	787.5 MHz
785.869	-29.4	RF Port	-13.0	-16.4	Peak	-	-	12.5 kHz	787.5 MHz
786.236	-24.6	RF Port	-13.0	-11.6	Peak	-	-	12.5 kHz	787.5 MHz
787.596	40.5	RF Port	-	-	Peak	-	-	12.5 kHz	787.5 MHz
788.764	-27.1	RF Port	-13.0	-14.1	Peak	-	-	12.5 kHz	787.5 MHz
790.004	-25.3	RF Port	-13.0	-12.3	Peak	-	-	12.5 kHz	787.5 MHz
789.117	-30.3	RF Port	-13.0	-17.3	Peak	-	-	12.5 kHz	787.5 MHz
1575.860	-27.4	RF Port	-13.0	-14.4	Peak	-	-	12.5 kHz	787.5 MHz



EMC Test Data

Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A

Out of Band Spurious Emissions, Conducted

Frequency MHz	Level dBm	Port	Limit dBm	Margin dB	Detector Pk/QP/Avg	Azimuth degrees	Height meters	Comments	Channel
784.996	-31.5	RF Port	-13.0	-18.5	Peak	-	-	250 kHz	787.5 MHz
785.863	-23.0	RF Port	-13.0	-10.0	Peak	-	-	250 kHz	787.5 MHz
787.497	39.5	RF Port	-	-	Peak	-	-	250 kHz	787.5 MHz
789.117	-32.9	RF Port	-13.0	-19.9	Peak	-	-	250 kHz	787.5 MHz
789.997	-25.9	RF Port	-13.0	-12.9	Peak	-	-	250 kHz	787.5 MHz
789.037	-29.8	RF Port	-13.0	-16.8	Peak	-	-	250 kHz	787.5 MHz
1575.860	-29.2	RF Port	-13.0	-16.2	Peak	-	-	250 kHz	787.5 MHz

Note 1: The test results for 12.5 kHz channel spacing spurious emissions represent narrowband channel plan emissions. Preliminary spurious emission results show no difference for out of band emissions between 12.5 kHz and 25 kHz channel spacing operations.

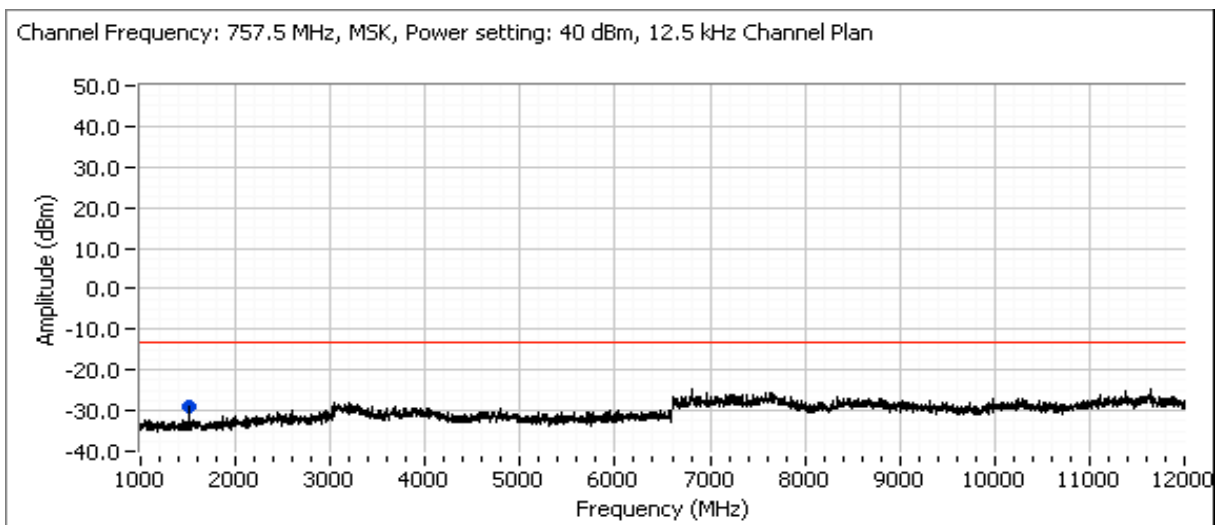
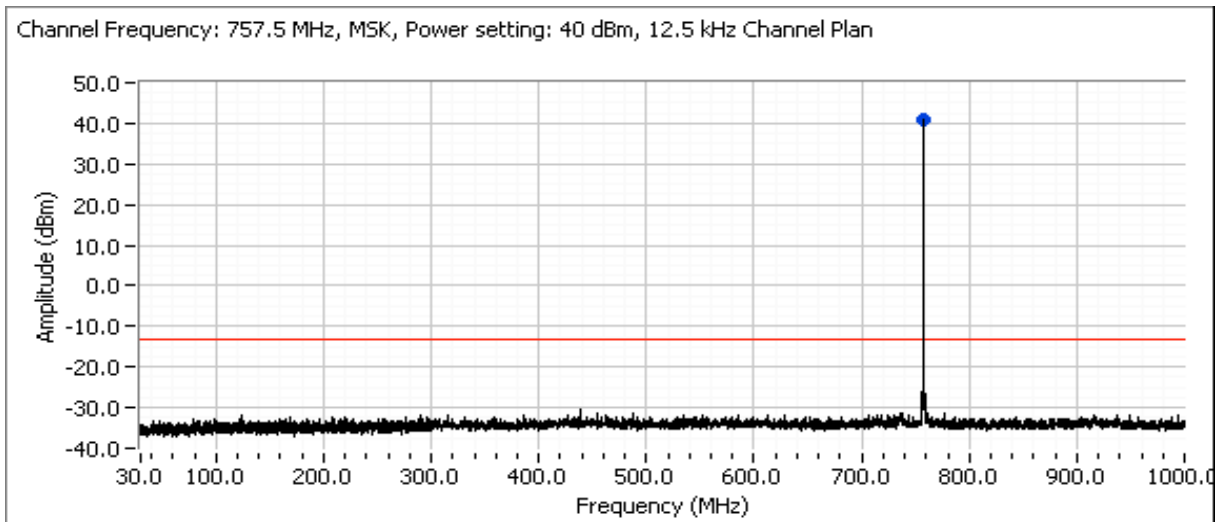
Note 2: The test results for 250 kHz channel spacing spurious emissions represent broadband channel plan emissions. Preliminary spurious emission results show no difference for out of band emissions between 50 kHz, 100 kHz, 200 kHz and 250 kHz channel spacing operations.

Note 3: Preliminary test results indicate that there are no measurable spurious emissions between 9 kHz and 30 MHz.

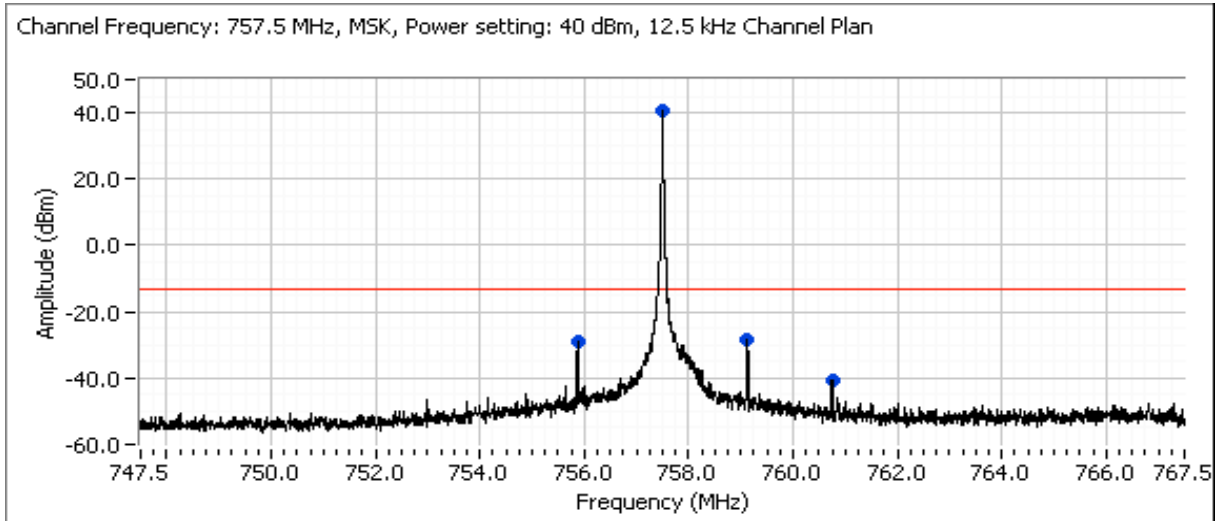
Note 4: EUT was set to transmit with MSK modulation during the emission tests which has the highest power spectral density.

Client:	Xetawave LLC	Job Number:	JD103419
Model:	Xeta7	T-Log Number:	T103448
Contact:	Sandee Malang	Project Manager:	Christine Krebill
Standard:	FCC Part 27	Project Coordinator:	-
		Class:	N/A

Plots for center channel of 757.5 MHz, 12.5 kHz bandwidth with MSK modulation. power setting(s) = 40 dBm

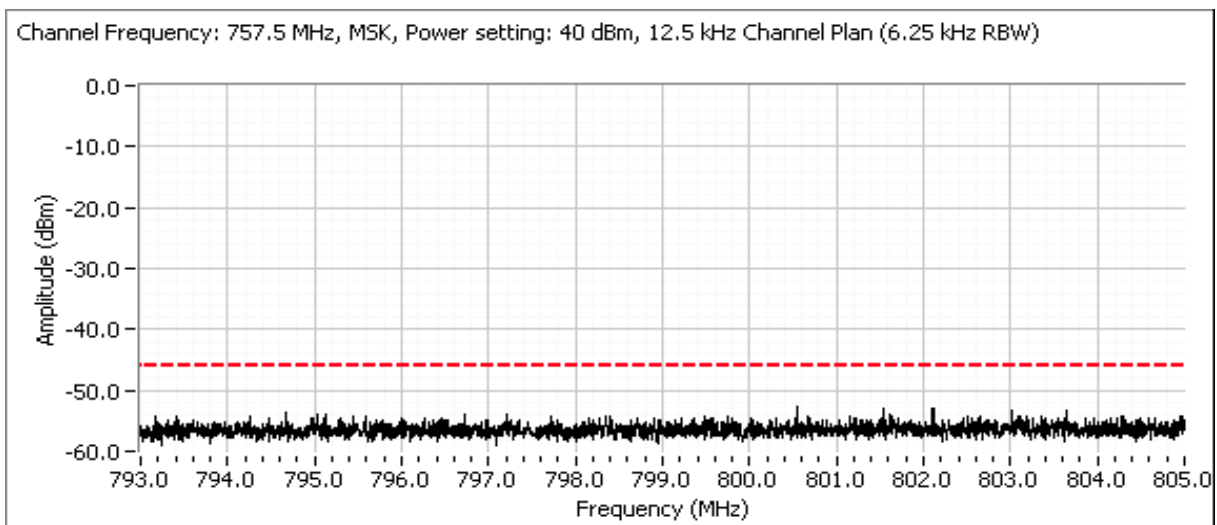
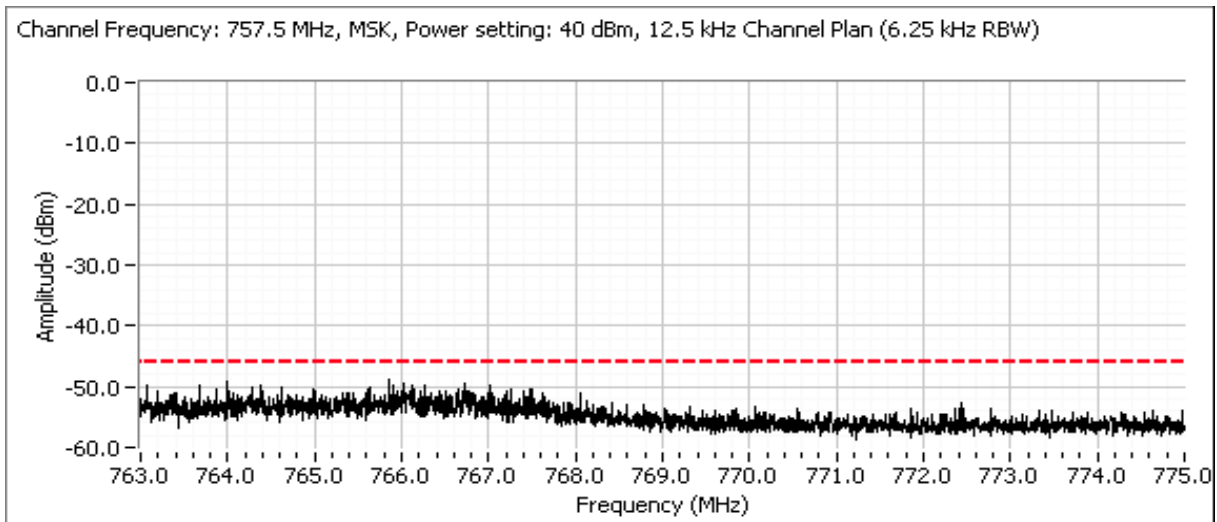


Client:	Xetawave LLC	Job Number:	JD103419
Model:	Xeta7	T-Log Number:	T103448
Contact:	Sandee Malang	Project Manager:	Christine Krebill
Standard:	FCC Part 27	Project Coordinator:	-
		Class:	N/A



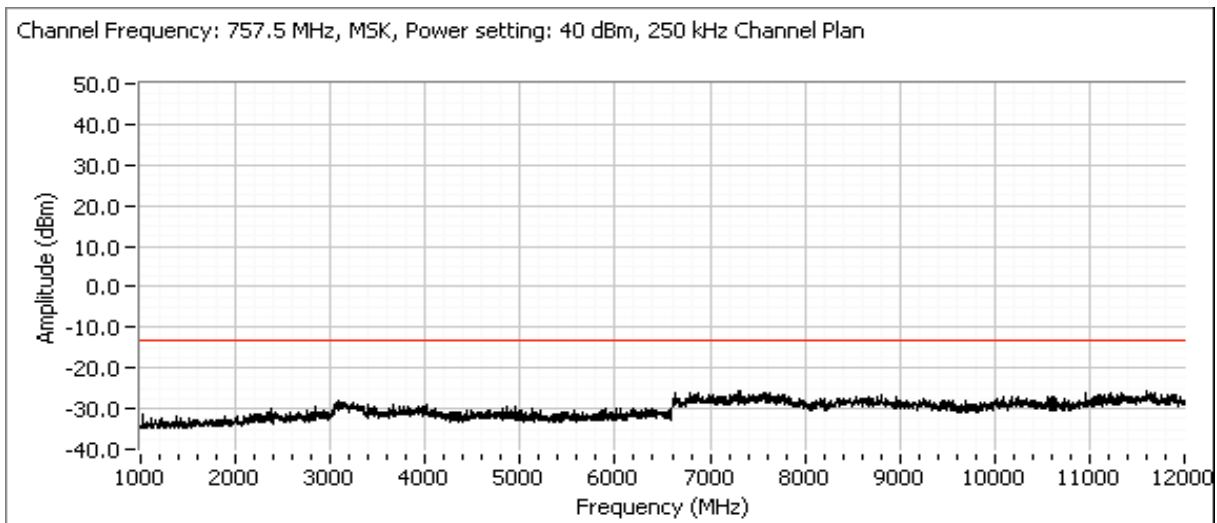
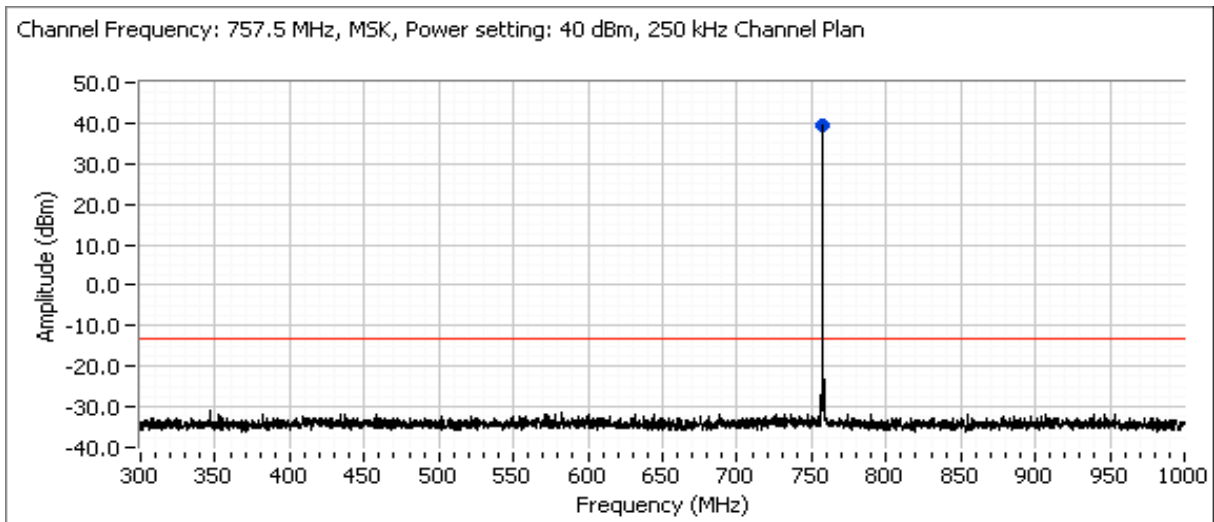
Client:	Xetawave LLC	Job Number:	JD103419
Model:	Xeta7	T-Log Number:	T103448
Contact:	Sandee Malang	Project Manager:	Christine Krebill
Standard:	FCC Part 27	Project Coordinator:	-
		Class:	N/A

Spurious emissions between 763-775 MHz and 793-805 MHz bands

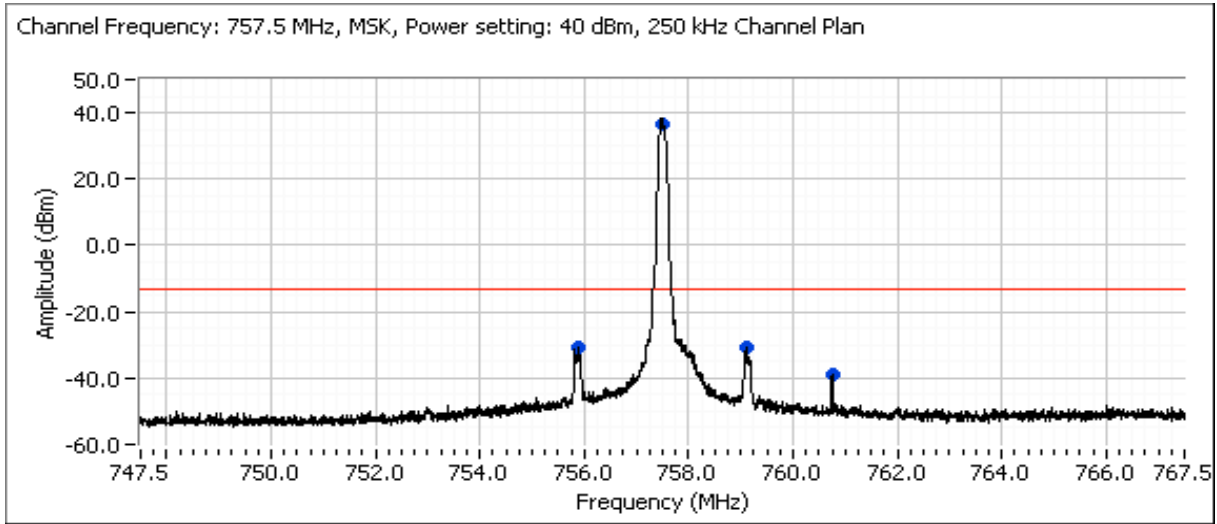


Client:	Xetawave LLC	Job Number:	JD103419
Model:	Xeta7	T-Log Number:	T103448
Contact:	Sandee Malang	Project Manager:	Christine Krebill
Standard:	FCC Part 27	Project Coordinator:	-
		Class:	N/A

Plots for center channel of 757.5 MHz, 250 kHz bandwidth with MSK modulation. power setting(s) = 40 dBm

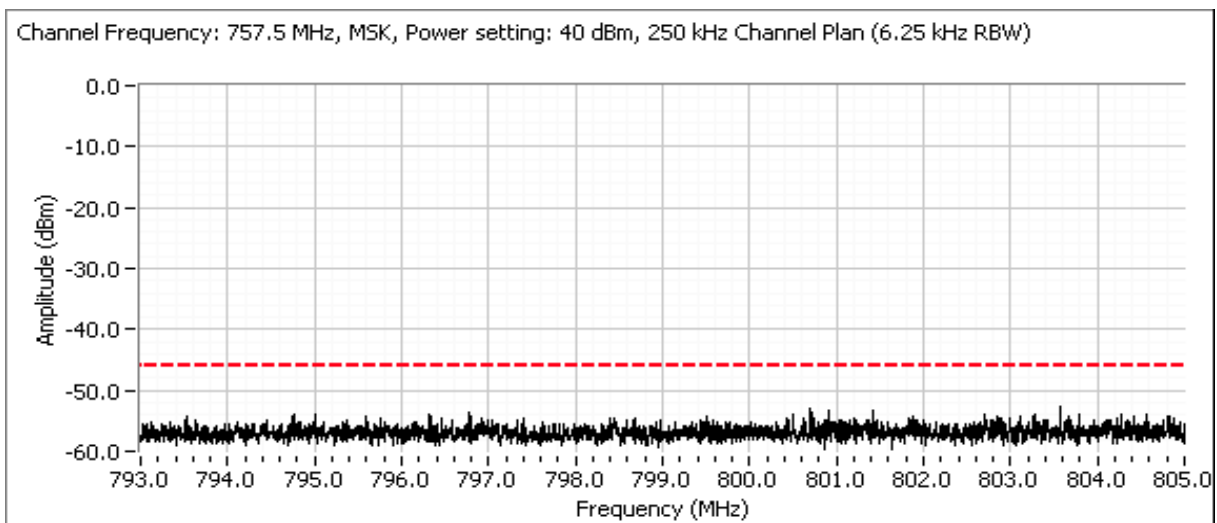
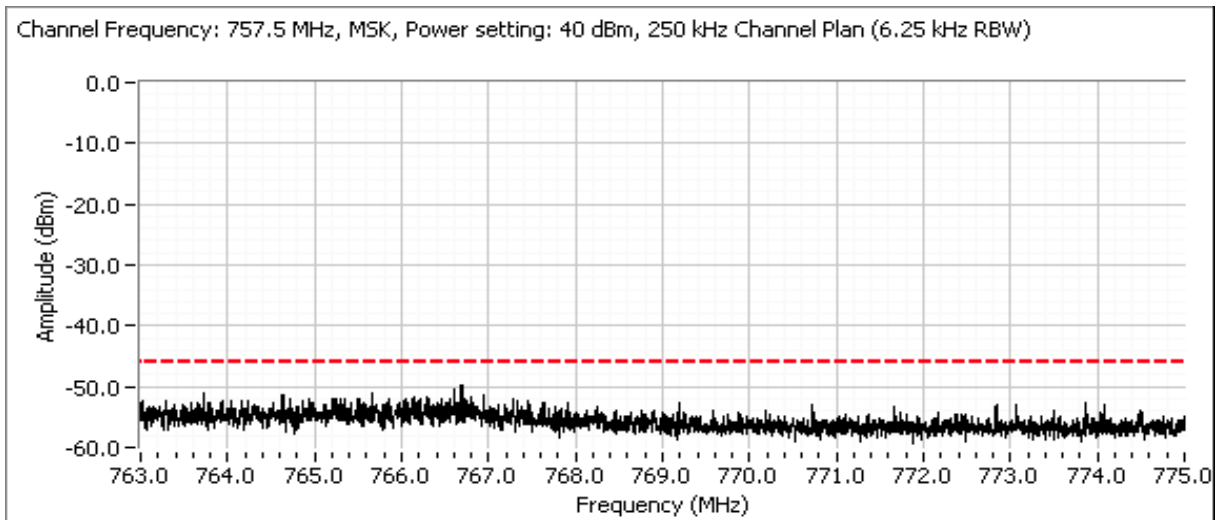


Client:	Xetawave LLC	Job Number:	JD103419
Model:	Xeta7	T-Log Number:	T103448
Contact:	Sandee Malang	Project Manager:	Christine Krebill
Standard:	FCC Part 27	Project Coordinator:	-
		Class:	N/A



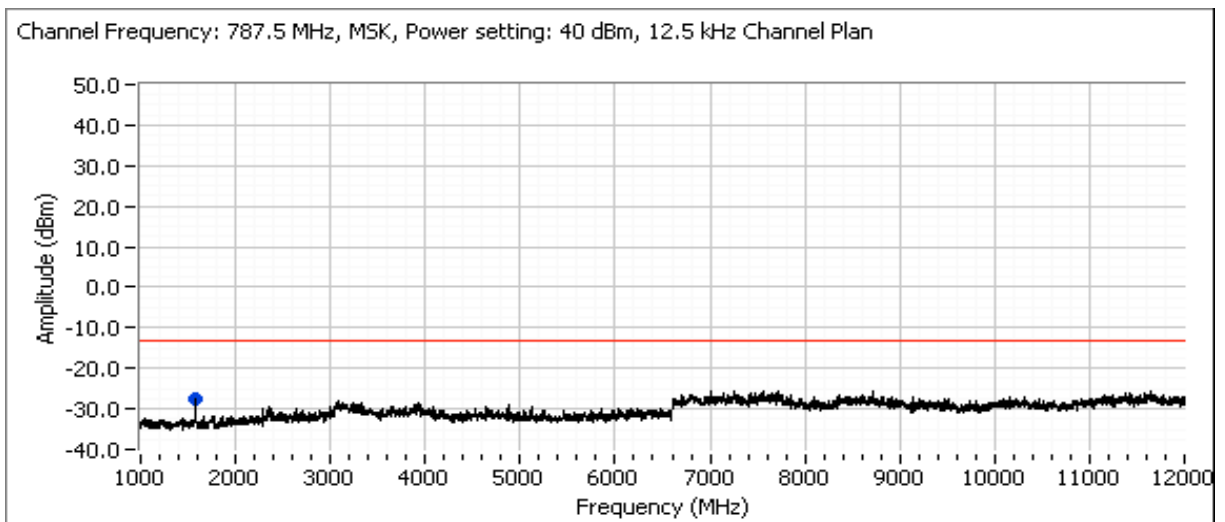
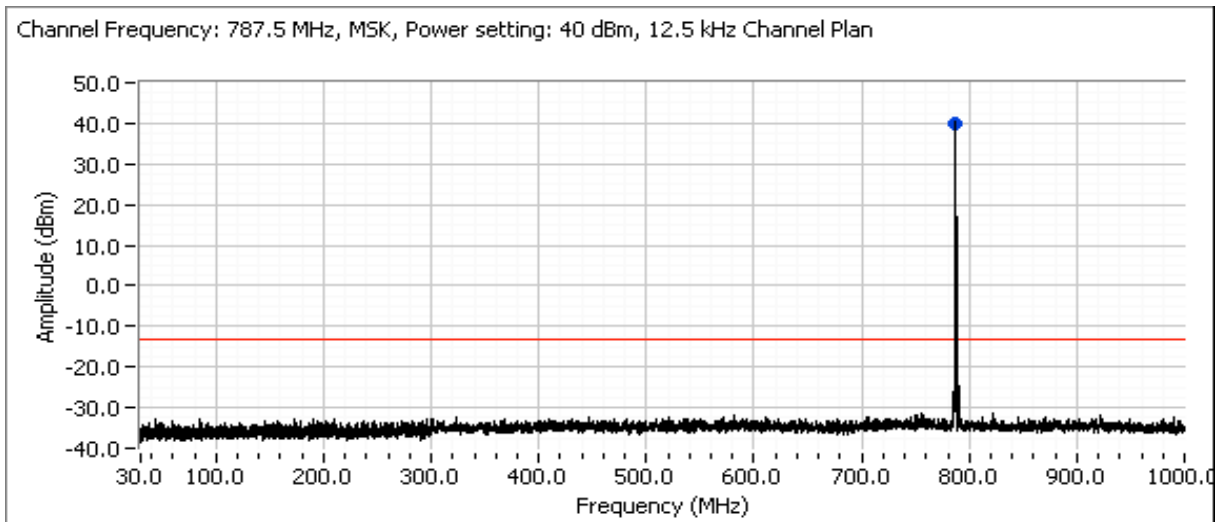
Client:	Xetawave LLC	Job Number:	JD103419
Model:	Xeta7	T-Log Number:	T103448
Contact:	Sandee Malang	Project Manager:	Christine Krebill
Standard:	FCC Part 27	Project Coordinator:	-
		Class:	N/A

Spurious emissions between 763-775 MHz and 793-805 MHz bands

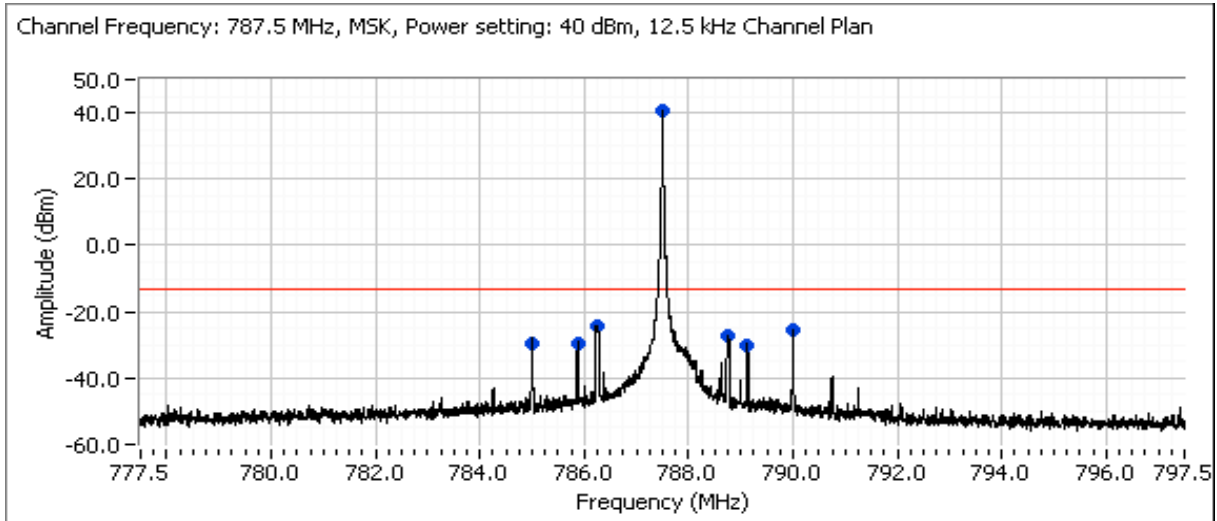


Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A

Plots for center channel of 787.5 MHz, 12.5 kHz bandwidth with MSK modulation. power setting(s) = 40 dBm

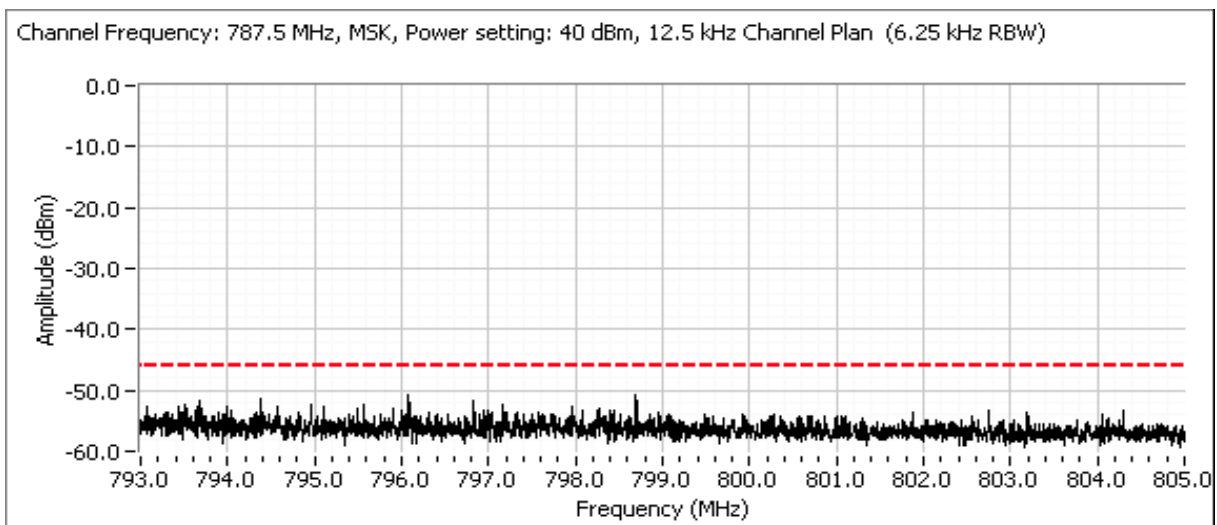
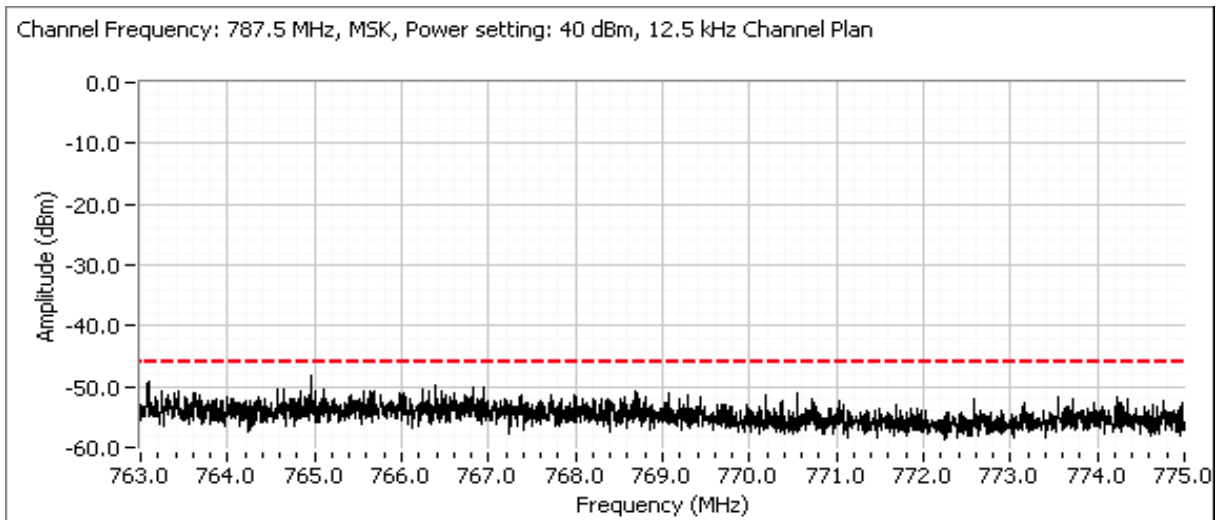


Client:	Xetawave LLC	Job Number:	JD103419
Model:	Xeta7	T-Log Number:	T103448
Contact:	Sandee Malang	Project Manager:	Christine Krebill
Standard:	FCC Part 27	Project Coordinator:	-
		Class:	N/A



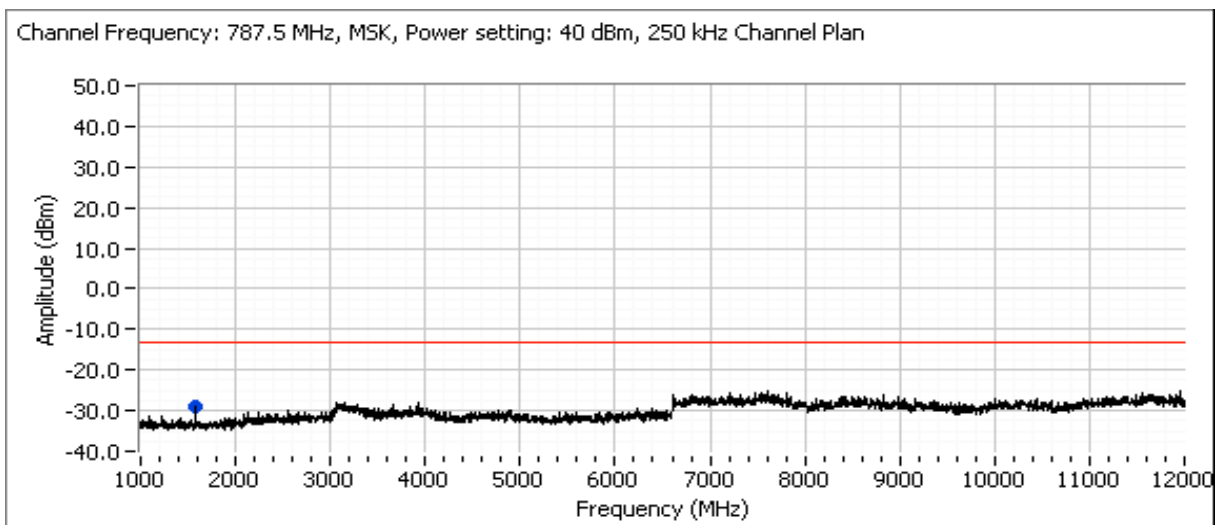
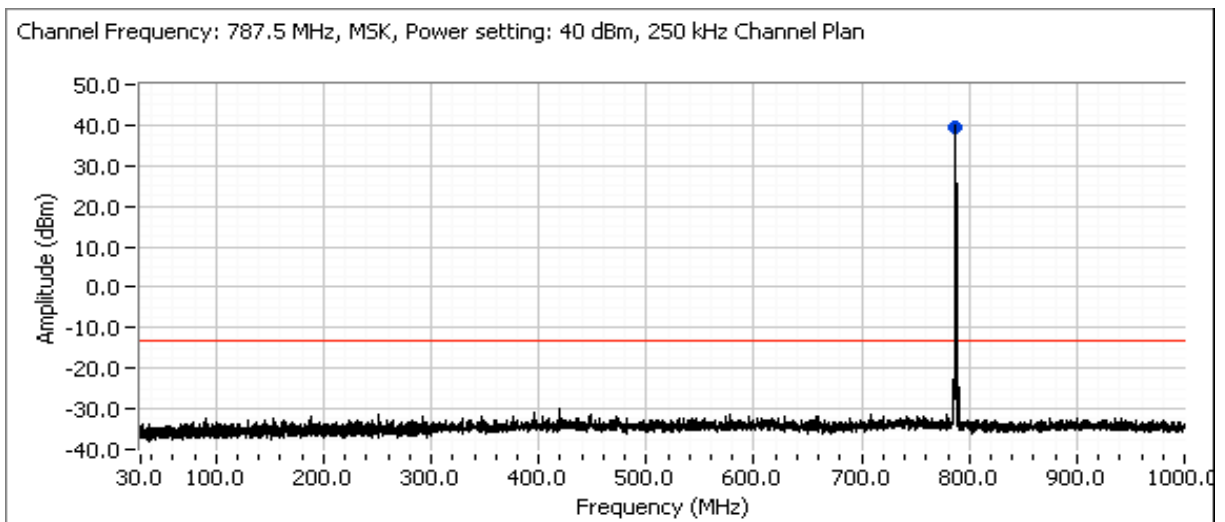
Client:	Xetawave LLC	Job Number:	JD103419
Model:	Xeta7	T-Log Number:	T103448
Contact:	Sandee Malang	Project Manager:	Christine Krebill
Standard:	FCC Part 27	Project Coordinator:	-
		Class:	N/A

Spurious emissions between 763-775 MHz and 793-805 MHz bands

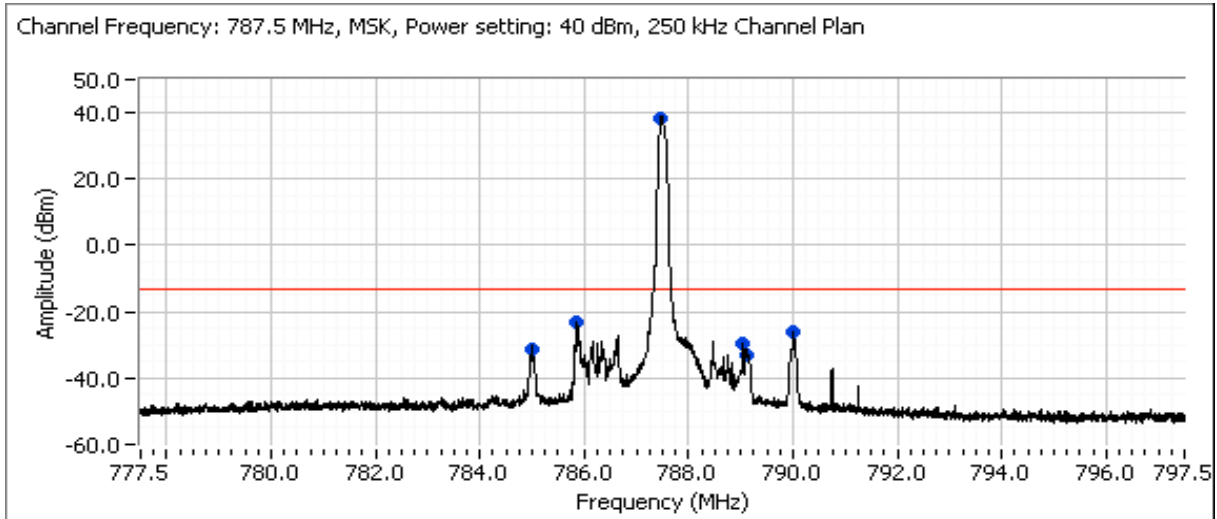


Client:	Xetawave LLC	Job Number:	JD103419
Model:	Xeta7	T-Log Number:	T103448
Contact:	Sandee Malang	Project Manager:	Christine Krebill
Standard:	FCC Part 27	Project Coordinator:	-
		Class:	N/A

Plots for center channel of 787.5 MHz, 250.0 kHz bandwidth with MSK modulation. power setting(s) = 40 dBm

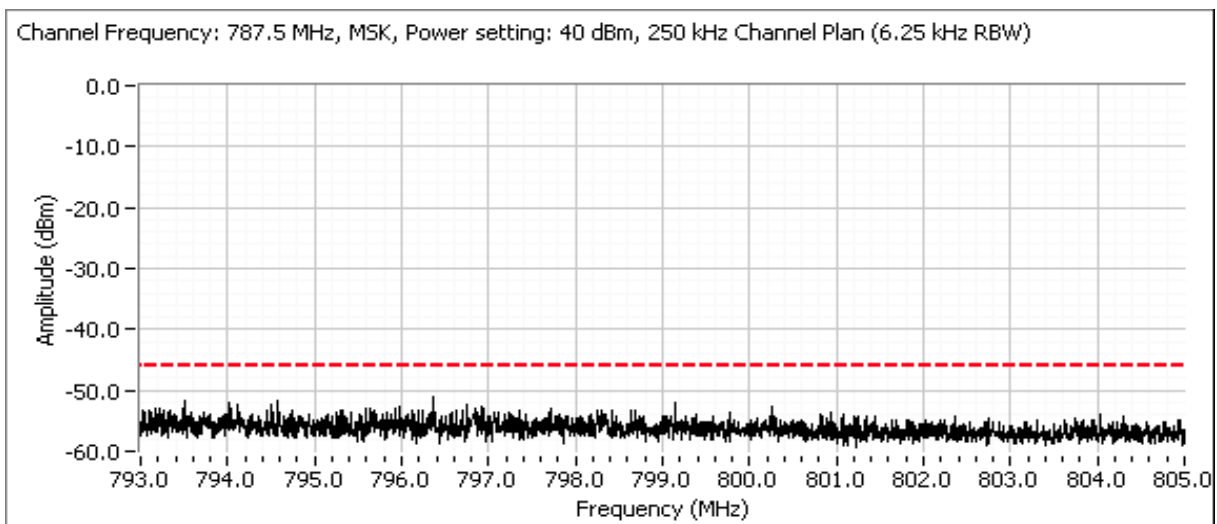
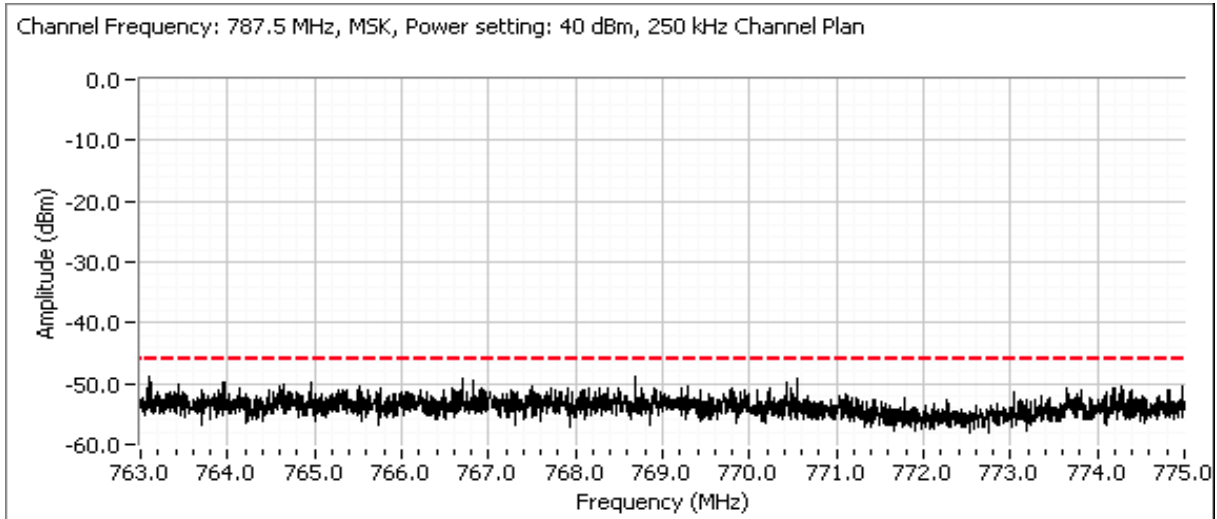


Client:	Xetawave LLC	Job Number:	JD103419
Model:	Xeta7	T-Log Number:	T103448
Contact:	Sandee Malang	Project Manager:	Christine Krebill
Standard:	FCC Part 27	Project Coordinator:	-
		Class:	N/A



Client:	Xetawave LLC	Job Number:	JD103419
Model:	Xeta7	T-Log Number:	T103448
Contact:	Sandee Malang	Project Manager:	Christine Krebill
Standard:	FCC Part 27	Project Coordinator:	-
		Class:	N/A

Spurious emissions between 763-775 MHz and 793-805 MHz bands



Client:	Xetawave LLC	Job Number:	JD103419
Model:	Xeta7	T-Log Number:	T103448
Contact:	Sandee Malang	Project Manager:	Christine Krebill
Standard:	FCC Part 27	Project Coordinator:	-
		Class:	N/A

Run #5: Out of Band Spurious Emissions, Radiated

27.53 (c)(1-2) On any frequency outside the 746-758 MHz and 776-788 MHz bands, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB (-13 dBm)

Compliance with this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed

27.53 (c)(3) On all frequencies between 763-775 MHz and 793-805 MHz bands, the power of any emissions shall be attenuated below the transmitter power (P) by at least $76 + 10 \log(P)$ dB (-46 dBm ≈ 51.3 dB μ V/m@3m) in a 6.25 kHz band segment for base and fixed stations.

27.53 (c)(4) On all frequencies between 763-775 MHz and 793-805 MHz bands, the power of any emissions shall be attenuated below the transmitter power (P) by at least $65 + 10 \log(P)$ dB (-35 dBm ≈ 58.1 dB μ V/m@3m) in a 6.25 kHz band segment for mobile and portable stations.

Compliance with this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.

27.53(f) For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz (-40 dBm ≈ 55.2 dB μ V/m@3m) equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW (-50 dBm ≈ 45.2 dB μ V/m@3m) EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.



EMC Test Data

Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A

Run #5a - Preliminary measurements

Date of Test: 12/8/2016
 Test Engineer: Kevin
 Test Location: FT Ch #5

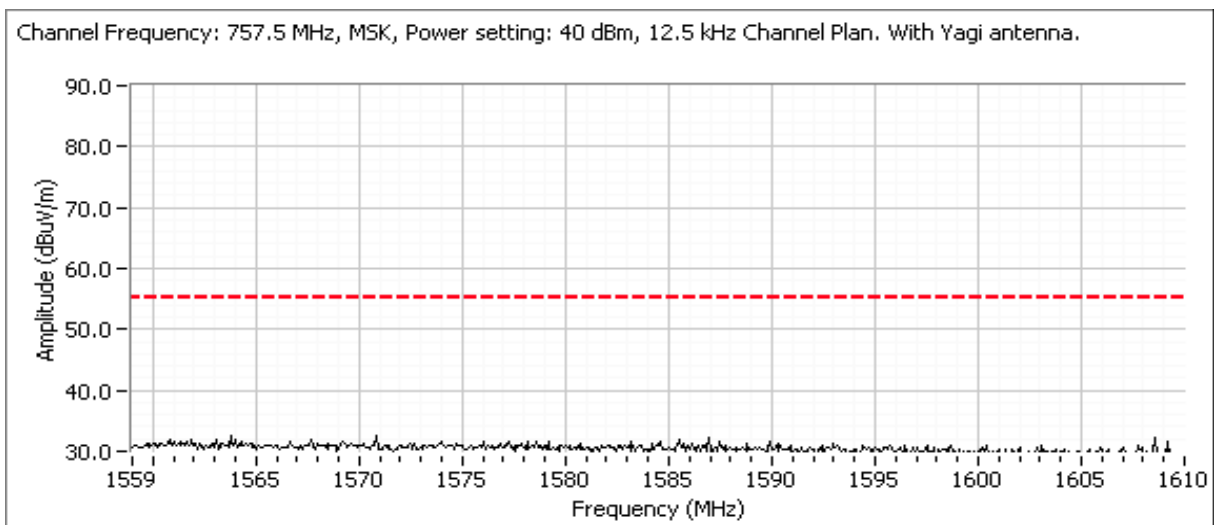
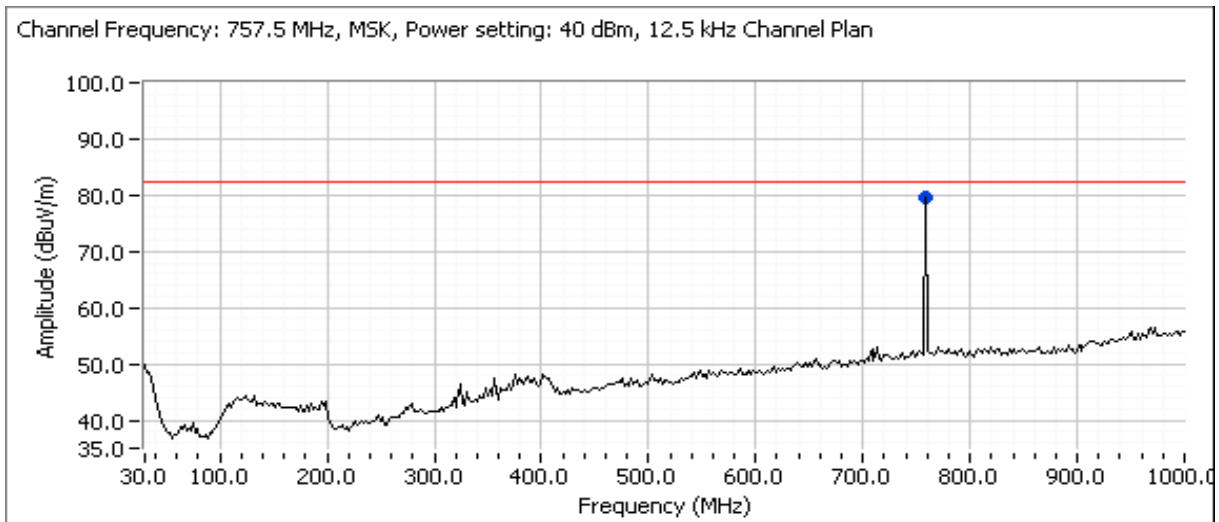
Config. Used: 1
 Config Change: None
 EUT Voltage: 12.5 Vdc

Frequency	Level	Pol			Detector	Azimuth	Height	Comments	Channel
MHz	dBμV/m	V/H	Limit	Margin	Pk/QP/Avg	degrees	meters		
757.518	79.6	H	-	-	PK	140	1.0	Carrier (12.5 kHz)	757.5
1514.330	42.2	H	82.2	-40.0	PK	273	1.0	12.5 kHz channels	757.5
4544.600	46.9	V	82.2	-35.3	PK	211	2.0	12.5 kHz channels	757.5
5302.200	49.9	V	82.2	-32.3	PK	227	2.5	12.5 kHz channels	757.5
6060.000	59.1	V	82.2	-23.1	PK	200	2.5	12.5 kHz channels	757.5
757.458	79.2	H	-	-	PK	165	1.0	Carrier (250 kHz)	757.5
1514.930	43.1	H	82.2	-39.1	PK	282	1.5	250 kHz channels	757.5
5302.200	52.5	V	82.2	-29.7	PK	252	2.5	250 kHz channels	757.5
6060.000	59.3	V	82.2	-22.9	PK	204	1.5	250 kHz channels	757.5
787.516	82.1	H	-	-	PK	154	1.0	Carrier (12.5 kHz)	787.5
1574.980	47.9	H	55.2	-7.3	PK	206	1.0	Yagi antenna	787.5
1575.000	47.6	H	82.2	-34.6	PK	242	1.0	12.5 kHz channels	787.5
5508.330	54.7	V	82.2	-27.5	PK	262	2.5	12.5 kHz channels	787.5
6300.000	52.3	V	82.2	-29.9	PK	221	2.0	12.5 kHz channels	787.5
787.491	84.0	H	-	-	PK	163	1.0	Carrier (250 kHz)	787.5
1574.980	49.5	H	82.2	-32.7	PK	200	1.0	Yagi antenna	787.5
1574.670	49.1	H	82.2	-33.1	PK	109	1.0	250 kHz channels	787.5
5512.330	57.0	V	82.2	-25.2	PK	275	2.0	250 kHz channels	787.5
6300.000	52.6	V	82.2	-29.6	PK	221	2.0	250 kHz channels	787.5

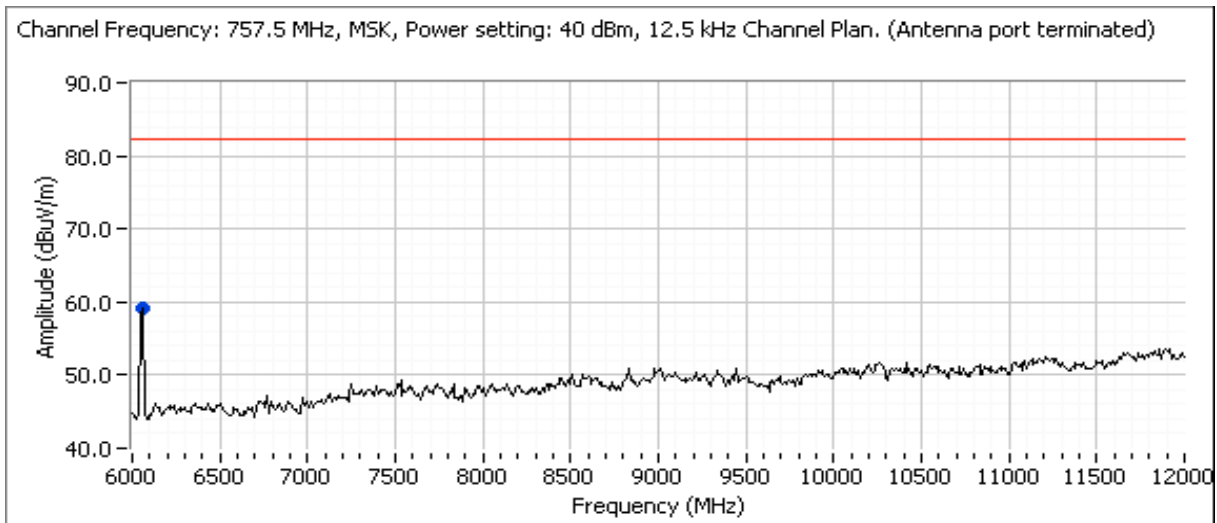
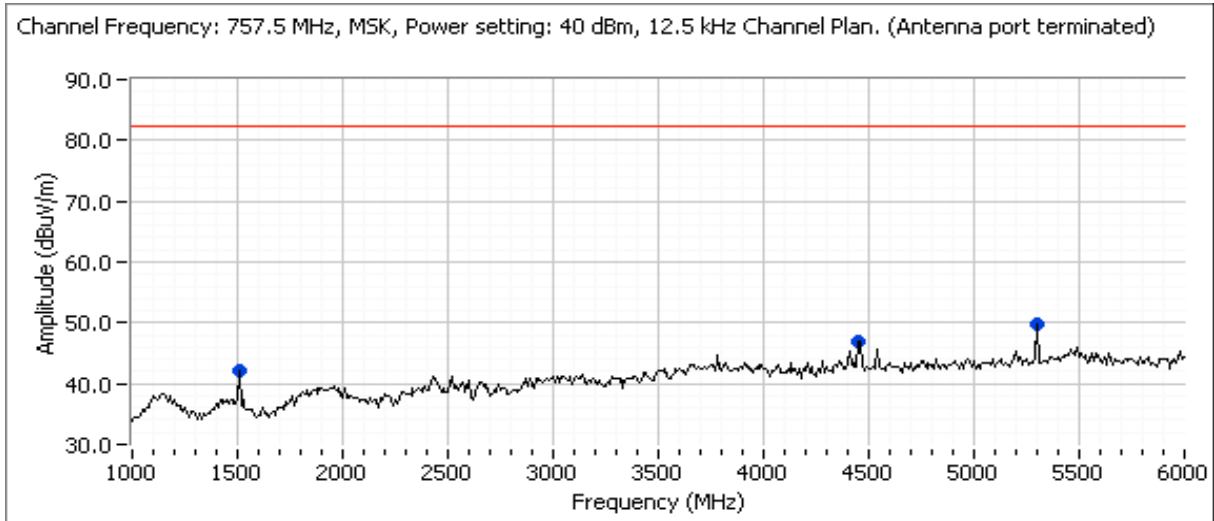
- Note 1: The preliminary test results for 12.5 kHz channel spacing spurious emissions represent narrowband channel plan emissions. Preliminary spurious emissions show no difference for out of band emissions between 12.5 kHz and 25 kHz channel spacing operations.
- Note 2: The preliminary test results for 250 kHz channel spacing spurious emissions represent broadband channel plan emissions. Preliminary spurious emissions show no difference for out of band emissions between 50 kHz, 100 kHz, 200 kHz and 250 kHz channel spacing operations.
- Note 3: Preliminary test results indicate that there are no measurable spurious emissions between 9 kHz and 30 MHz.
- Note 4: The spurious emissions in 763-775 MHz and 793-805 MHz bands are performed with 30 kHz RB and preliminary tests indicate that there are no measurable radiated spurious emissions in these bands.
- Note 4: EUT was set to transmit with MSK modulation during the emission tests which has the highest power spectral density.
- Note 5: Antenna port is terminated by 50 ohm load except the band 1559 - 1610 MHz measurements.

Client:	Xetawave LLC	Job Number:	JD103419
Model:	Xeta7	T-Log Number:	T103448
Contact:	Sandee Malang	Project Manager:	Christine Krebill
Standard:	FCC Part 27	Project Coordinator:	-
		Class:	N/A

Plots for center channel of 757.5 MHz, 12.5 kHz bandwidth with MSK modulation. power setting(s) = 40.0 dBm

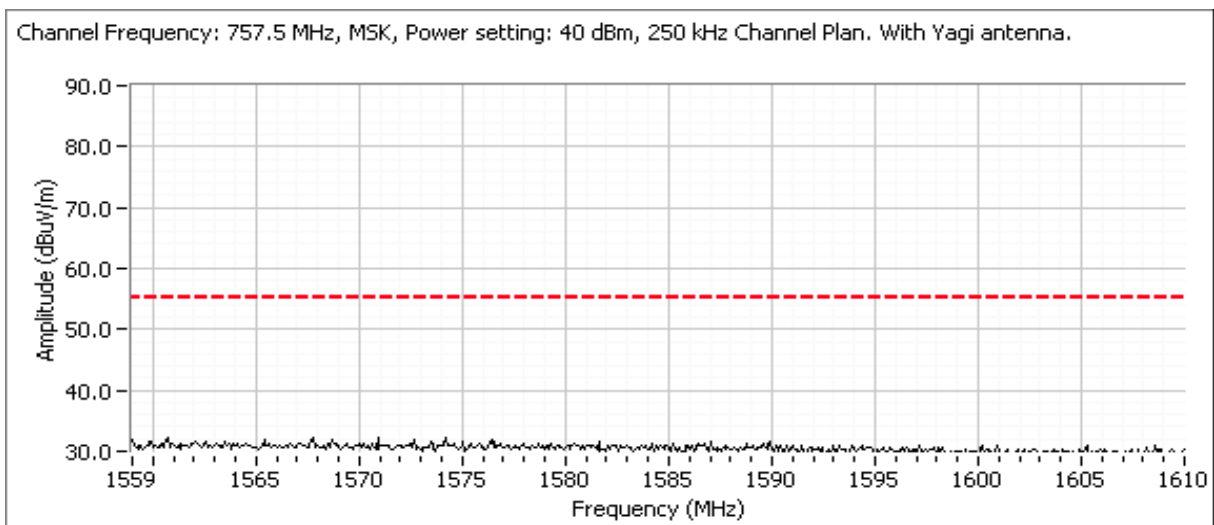
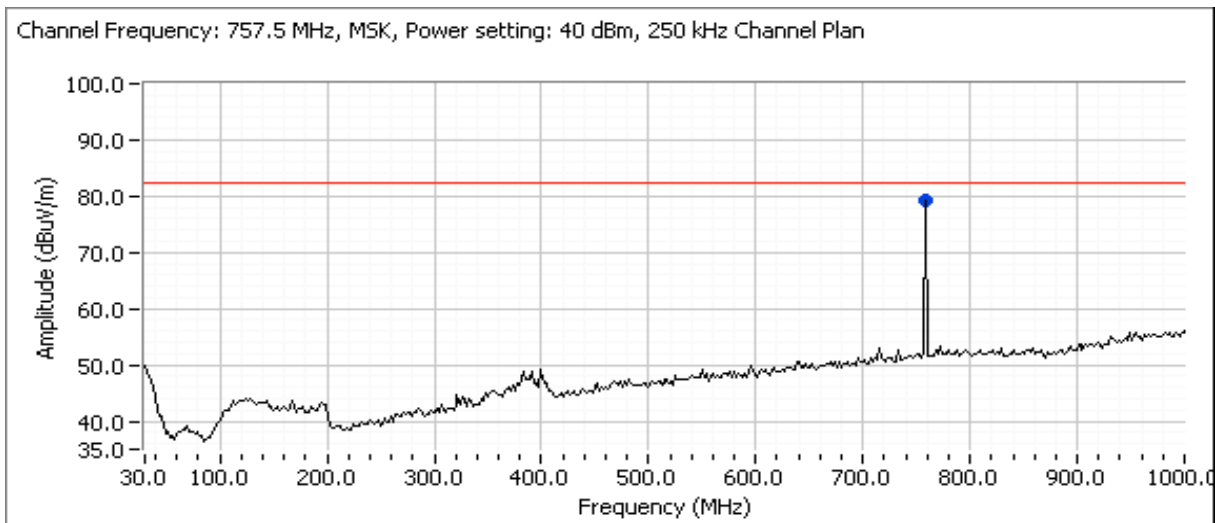


Client:	Xetawave LLC	Job Number:	JD103419
Model:	Xeta7	T-Log Number:	T103448
Contact:	Sandee Malang	Project Manager:	Christine Krebill
Standard:	FCC Part 27	Project Coordinator:	-
		Class:	N/A

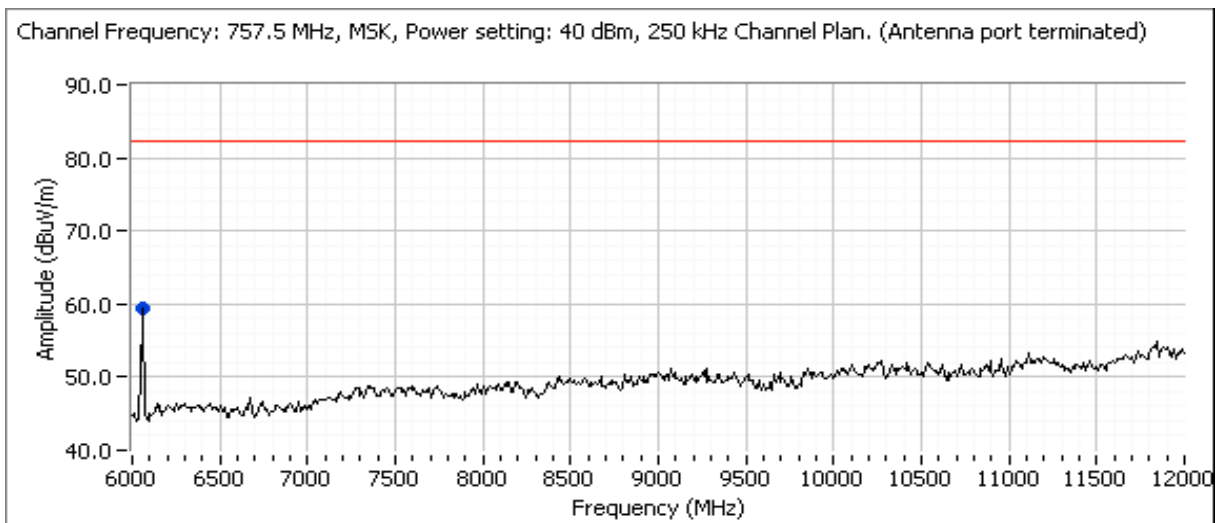
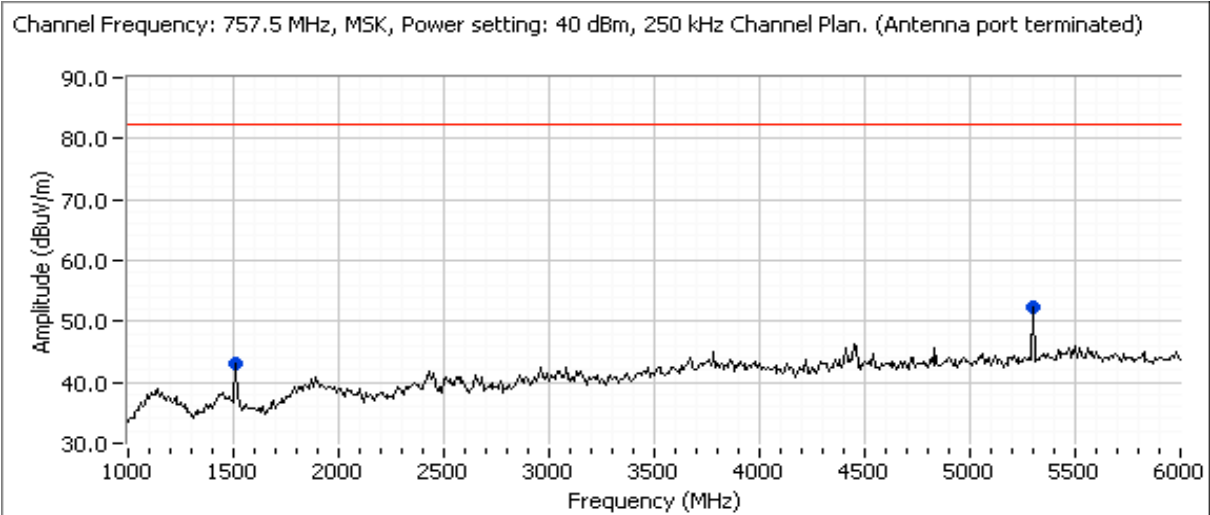


Client:	Xetawave LLC	Job Number:	JD103419
Model:	Xeta7	T-Log Number:	T103448
Contact:	Sandee Malang	Project Manager:	Christine Krebill
Standard:	FCC Part 27	Project Coordinator:	-
		Class:	N/A

Plots for center channel of 757.5 MHz, 250 kHz bandwidth with MSK modulation. power setting(s) = 40.0 dBm

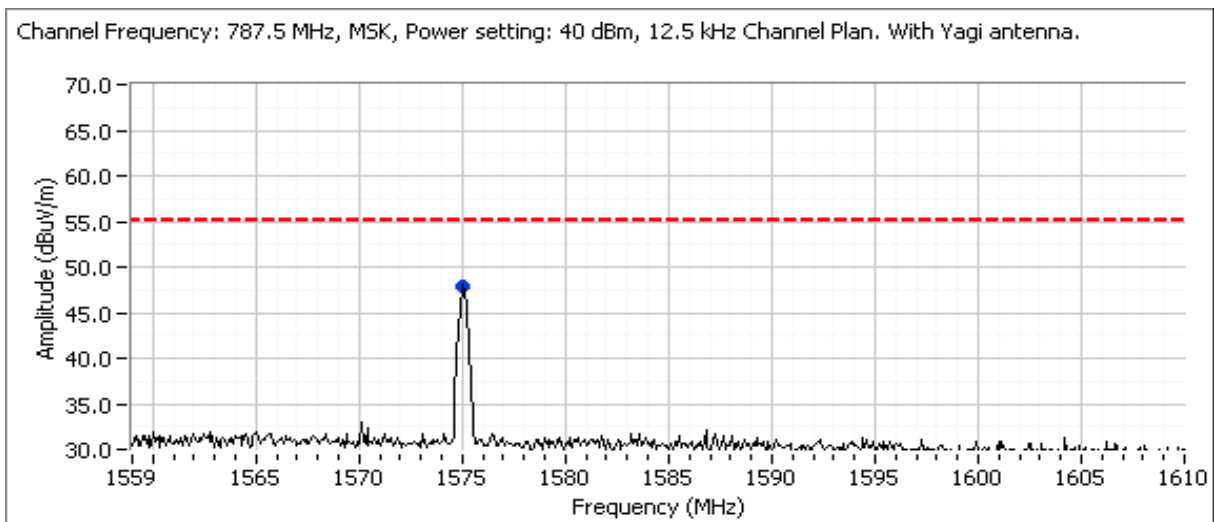
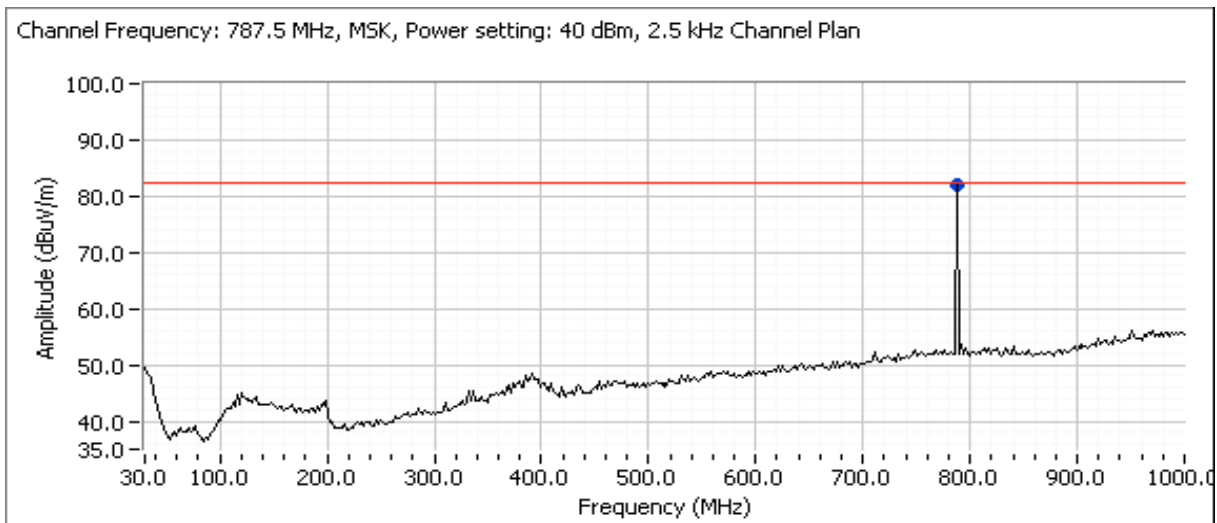


Client:	Xetawave LLC	Job Number:	JD103419
Model:	Xeta7	T-Log Number:	T103448
Contact:	Sandee Malang	Project Manager:	Christine Krebill
Standard:	FCC Part 27	Project Coordinator:	-
		Class:	N/A

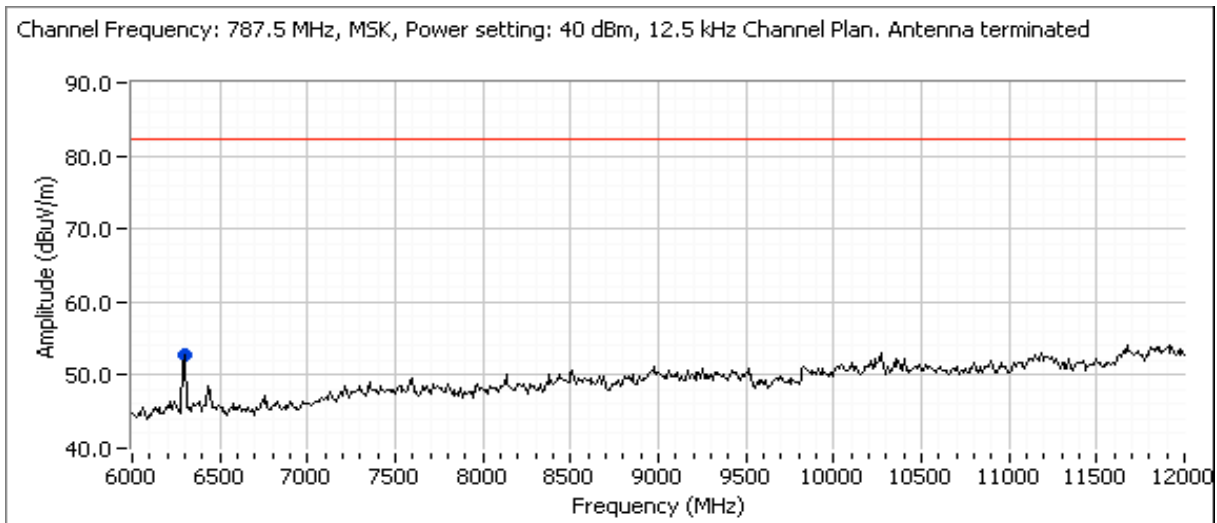
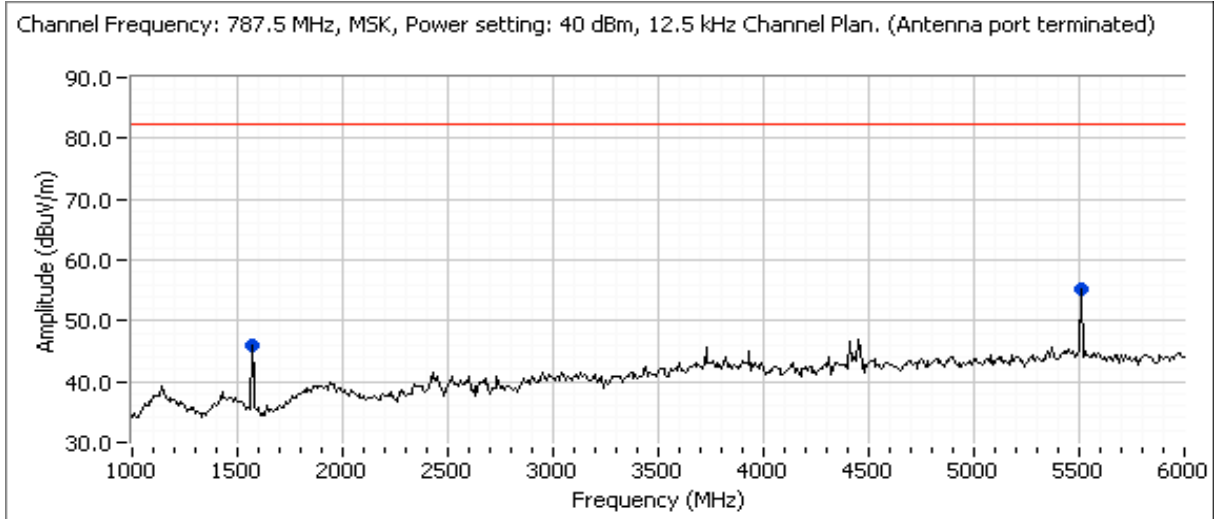


Client:	Xetawave LLC	Job Number:	JD103419
Model:	Xeta7	T-Log Number:	T103448
Contact:	Sandee Malang	Project Manager:	Christine Krebill
Standard:	FCC Part 27	Project Coordinator:	-
		Class:	N/A

Plots for center channel of 787.5 MHz, 12.5 kHz bandwidth with MSK modulation. power setting(s) = 40.0 dBm

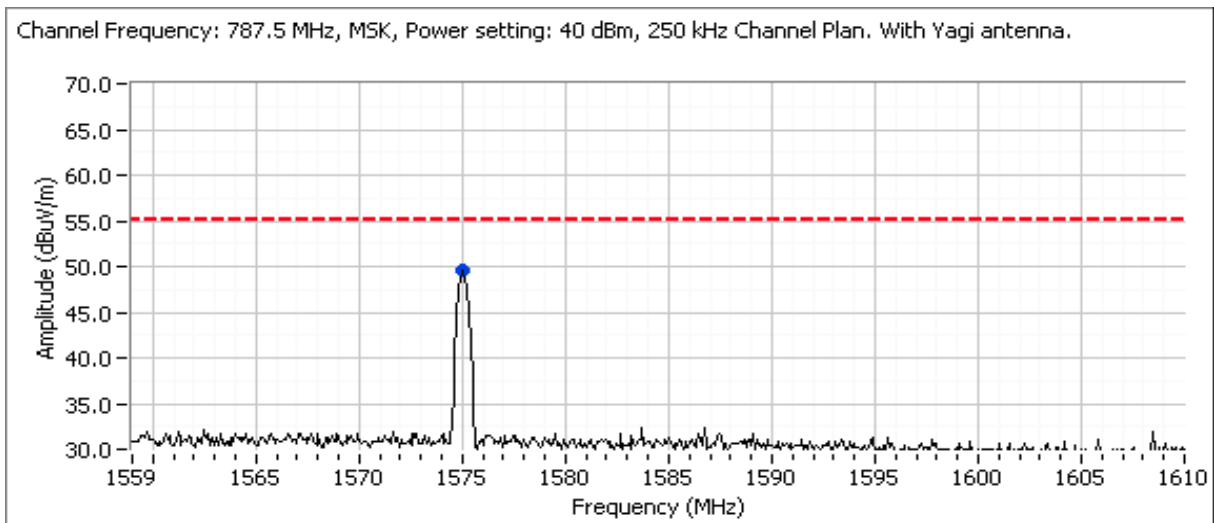
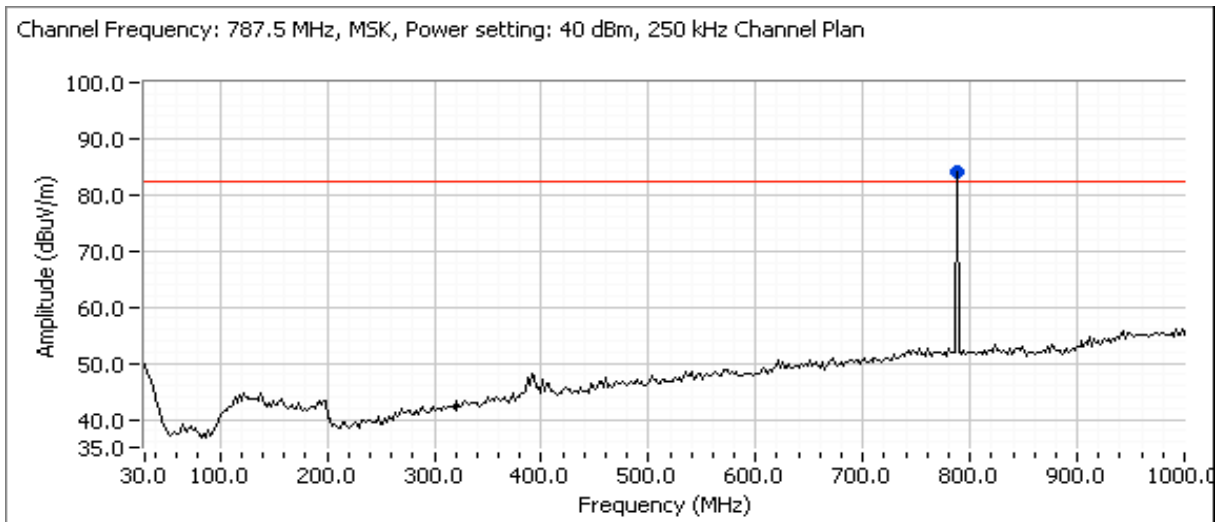


Client:	Xetawave LLC	Job Number:	JD103419
Model:	Xeta7	T-Log Number:	T103448
Contact:	Sandee Malang	Project Manager:	Christine Krebill
Standard:	FCC Part 27	Project Coordinator:	-
		Class:	N/A

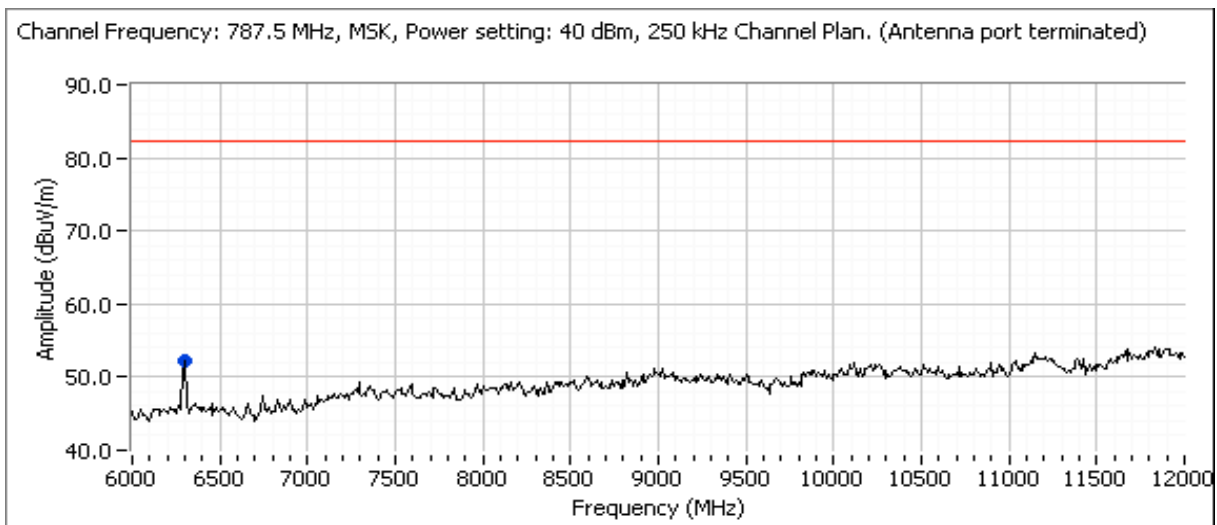
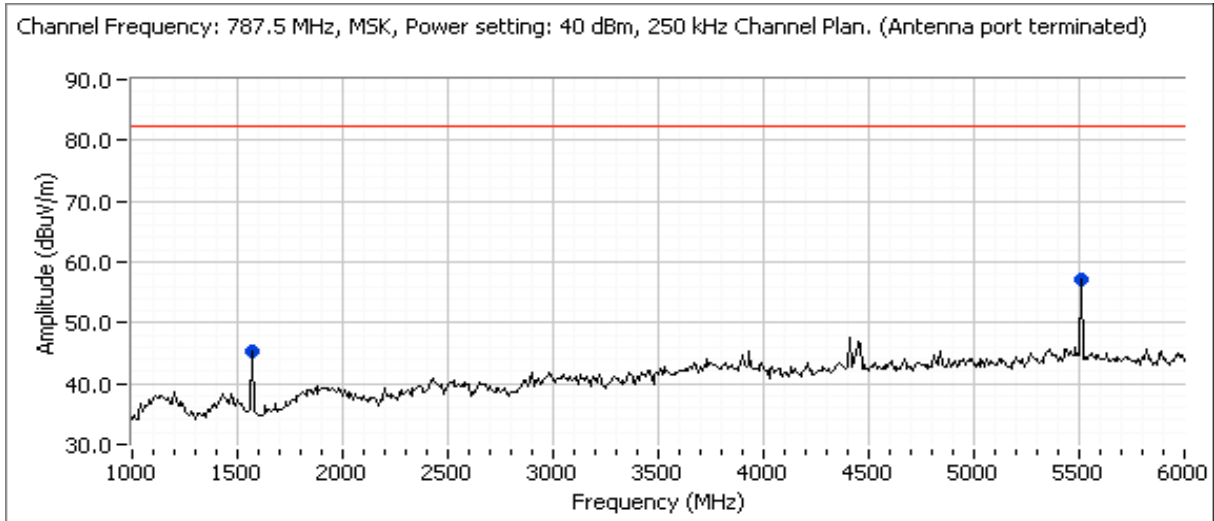


Client:	Xetawave LLC	Job Number:	JD103419
Model:	Xeta7	T-Log Number:	T103448
Contact:	Sandee Malang	Project Manager:	Christine Krebill
Standard:	FCC Part 27	Project Coordinator:	-
		Class:	N/A

Plots for center channel of 787.5 MHz, 250 kHz bandwidth with MSK modulation. power setting(s) = 40.0 dBm



Client:	Xetawave LLC	Job Number:	JD103419
Model:	Xeta7	T-Log Number:	T103448
Contact:	Sandee Malang	Project Manager:	Christine Krebill
Standard:	FCC Part 27	Project Coordinator:	-
		Class:	N/A





EMC Test Data

Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A

Run #5b - Final measurements

Frequency MHz	Level dB μ V/m	Pol V/H	Limit	Margin	Detector Pk/QP/Avg	Azimuth degrees	Height meters	Comments	Channel
6060.080	61.6	V	82.2	-20.6	PK	199	1.4	RB 1 MHz;VB 3 MHz;Peak	757.5
6060.097	61.4	V	82.2	-20.8	PK	199	1.4	RB 1 MHz;VB 3 MHz;Peak	757.5
1575.350	50.2	H	55.2	-5.0	PK	232	1.0	RB 1 MHz;VB 3 MHz;Peak	787.5
1575.050	51.1	H	55.2	-4.1	PK	227	1.0	RB 1 MHz;VB 3 MHz;Peak	787.5

Note 1:	Measurements are made with a representative antenna between 1559 - 1610 MHz measurements.
Note 2:	All spurious emissions are broadband (> 700 Hz BW)
Note 3:	The field strength limit in the tables above was calculated from the erp/eirp limit detailed in the standard using the free space propagation equation: $E = \sqrt{(30PG)/d}$. This limit is conservative - it does not consider the presence of the ground plane. The erp or eirp for all signals with less than 20 dB of margin relative to this field strength limit is determined using substitution measurements.

Run #5c: - Substitution Measurements

Date of Test: 12/8/2016

Test Engineer: Kevin

Test Location: FT Ch #5

Config. Used: -

Config Change: -

EUT Voltage: -

Substitution measurements

Horizontal

Frequency MHz	Substitution measurements			Site Factor ⁴	EUT measurements			eirp Limit dBm	erp Limit dBm	Margin dB
	Pin ¹	Gain ²	FS ³		FS ⁵	eirp (dBm)	erp (dBm)			
1575.350	-40.0	8.8	64.3	95.5	50.2	-45.3	-47.5	-40.0		-5.3
1575.050	-40.0	8.8	64.1	95.3	51.1	-44.2	-46.4	-40.0		-4.2

Vertical

Frequency MHz	Substitution measurements			Site Factor ⁴	EUT measurements			eirp Limit dBm	erp Limit dBm	Margin dB
	Pin ¹	Gain ²	FS ³		FS ⁵	eirp (dBm)	erp (dBm)			
-										

Note 1:	Pin is the input power (dBm) to the substitution antenna
Note 2:	Gain is the gain (dBi) for the substitution antenna.
Note 3:	FS is the field strength (dBuV/m) measured from the substitution antenna.
Note 4:	Site Factor - this is the site factor to convert from a field strength in dBuV/m to an eirp in dBm.
Note 5:	EUT field strength as measured during initial run.



EMC Test Data

Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A

Run #6: Frequency Stability

Date of Test: 12/7/2016
 Test Engineer: Rafael
 Test Location: FT Lab #4b

Config. Used: 1
 Config Change: None
 EUT Voltage: 12.5 Vdc

Run #6a: Frequency Stability at 757 - 758 MHz band.

Nominal Frequency: 757.03125 MHz Block edge: 757.00000 MHz

Frequency Stability Over Temperature

The EUT was soaked at each temperature for a minimum of 30 minutes prior to making the measurements to ensure the EUT and chamber had stabilized at that temperature.

Temperature	Band Edge Frequency Measured	Center Frequency Measured	Drift	
(Celsius)	(MHz)	(MHz)	(Hz)	(ppm)
-40	757.023500	757.030458	-792	-1.0
-30	757.023300	757.031492	242	0.3
-20	757.023400	757.031508	258	0.3
-10	757.023300	757.031308	58	0.1
0	757.023500	757.031225	-25	0.0
10	757.023500	757.031175	-75	-0.1
20	757.023800	757.031242	-8	0.0
30	757.023800	757.031275	25	0.0
40	757.024100	757.031342	92	0.1
50	757.024100	757.031342	92	0.1
60	757.024000	757.031225	-25	0.0
70	757.023900	757.031242	-8	0.0
80	757.024300	757.031375	125	0.2
Worst case:		757.030458	-792	-1.0

Frequency Stability Over Input Voltage - Nominal Voltage is 12.5 Vdc. (10.62 - 14.38 Vdc)

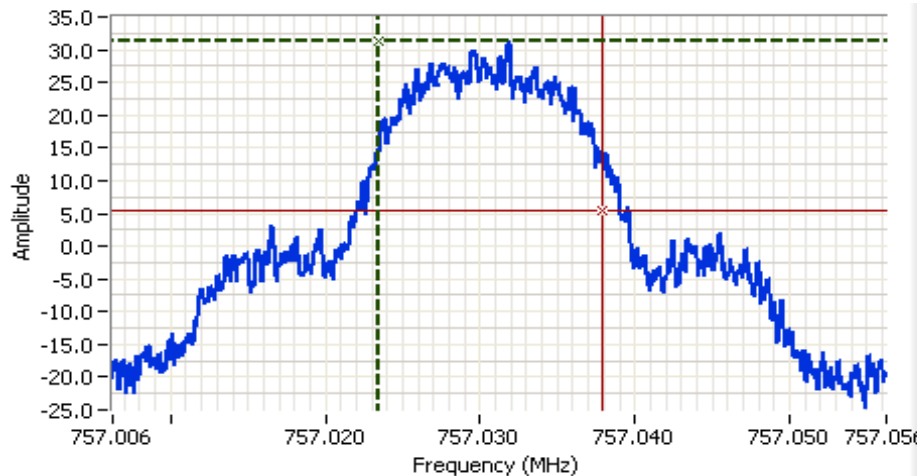
Voltage	Band Edge Frequency	Center Frequency	Drift	
(DC)	(MHz)	(MHz)	(Hz)	(ppm)
85%	757.024200	757.0311750	-75	-0.1
115%	757.024000	757.0311750	-75	-0.1
Worst case:		757.0311750	-75	-0.1

Note 1: Center frequency was measured with unmodulated carrier. 99% emission BW band edge frequency was measured with channel spacing 12.5 kHz, 16QAM modulation.

Note 2: Maximum drift of fundamental frequency before it shut down at 4.1 Vdc is 142 Hz.

Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A

Frequency stability at -40°C



Analyzer Settings

Agilent Technologies, E4446A
 CF: 757.031 MHz
 SPAN: 50.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 40 DB
 RL Offset: 21.6 DB
 Sweep Time: 0.7s
 Ref Lvl: 42.0 DBM

Comments

Channel spacing: 12.5 kHz
 16QAM
 f: 757.031250 MHz
 12.5 Vdc
 -40 degree

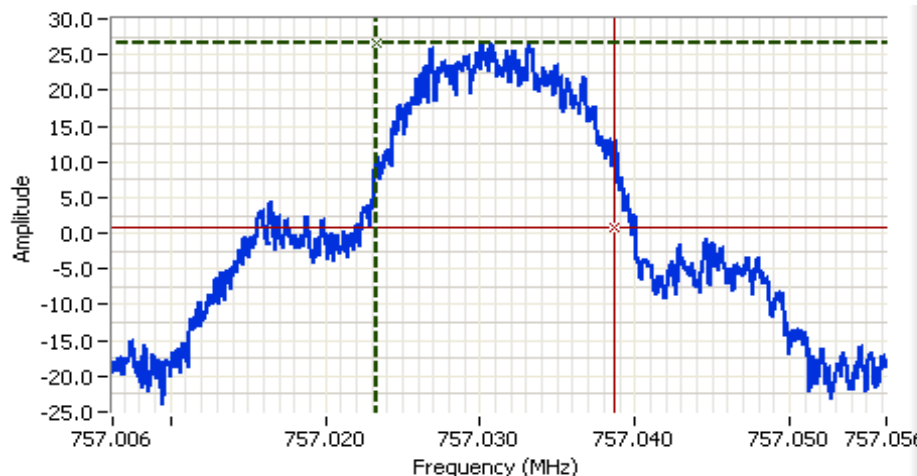
Cursor 1	757.0235	31.3	
Cursor 2	757.0380	5.3	

Delta Freq. 14.5 kHz

Delta Amplitude 26.0



Frequency stability at -30°C



Analyzer Settings

Agilent Technologies, E4446A
 CF: 757.031 MHz
 SPAN: 50.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 40 DB
 RL Offset: 21.6 DB
 Sweep Time: 0.7s
 Ref Lvl: 42.0 DBM

Comments

16QAM
 f: 757.03125 MHz
 12.5 Vdc
 -30 degree

Cursor 1	757.0233	26.7	
Cursor 2	757.0386	0.7	

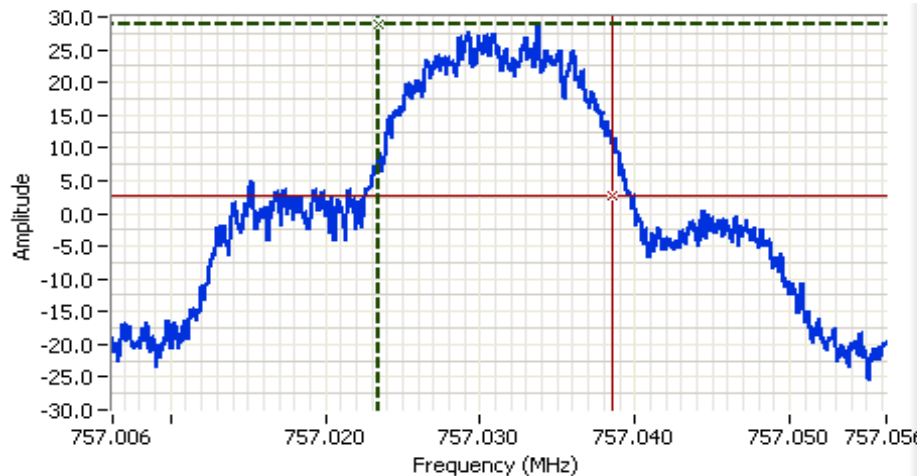
Delta Freq. 15.3 kHz

Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A

Frequency stability at -20°C



Analyzer Settings

Agilent Technologies, E4446A
 CF: 757.031 MHz
 SPAN: 50.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 40 DB
 RL Offset: 21.6 DB
 Sweep Time: 0.7s
 Ref Lvl: 42.0 DBM

Comments

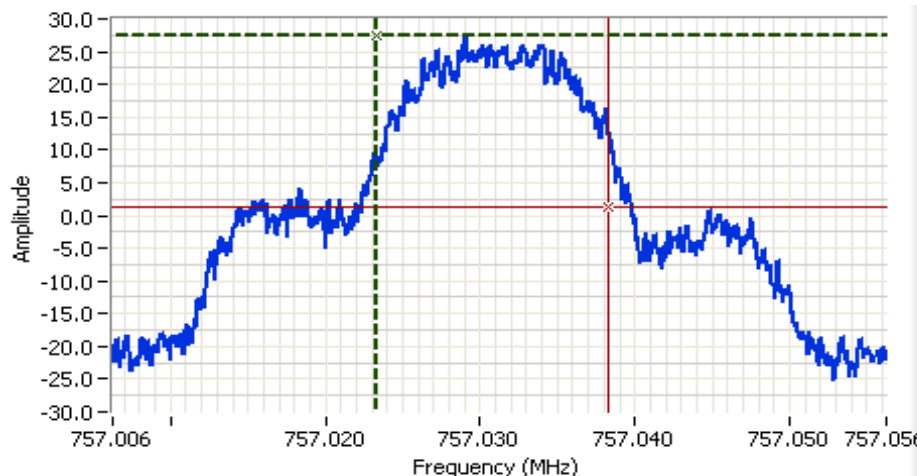
16QAM
 f: 757.03125 MHz
 12.5 Vdc
 -20 degree

Cursor 1 757.0234 28.7
 Cursor 2 757.0385 2.7

Delta Freq. 15.0 kHz
 Delta Amplitude 26.0



Frequency stability at -10°C



Analyzer Settings

Agilent Technologies, E4446A
 CF: 757.031 MHz
 SPAN: 50.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 40 DB
 RL Offset: 21.6 DB
 Sweep Time: 0.7s
 Ref Lvl: 42.0 DBM

Comments

16QAM
 f: 757.03125 MHz
 12.5 Vdc
 -10 degree

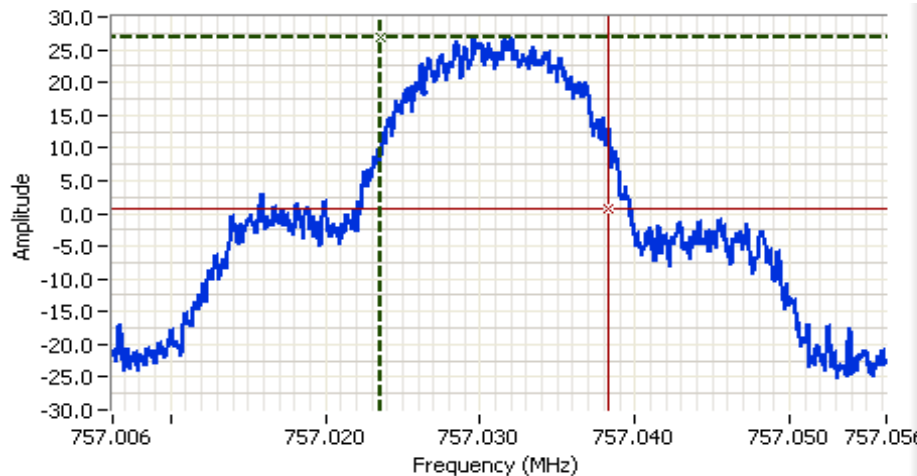
Cursor 1 757.0233 27.4
 Cursor 2 757.0383 1.4

Delta Freq. 15.0 kHz
 Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A

Frequency stability at 0°C



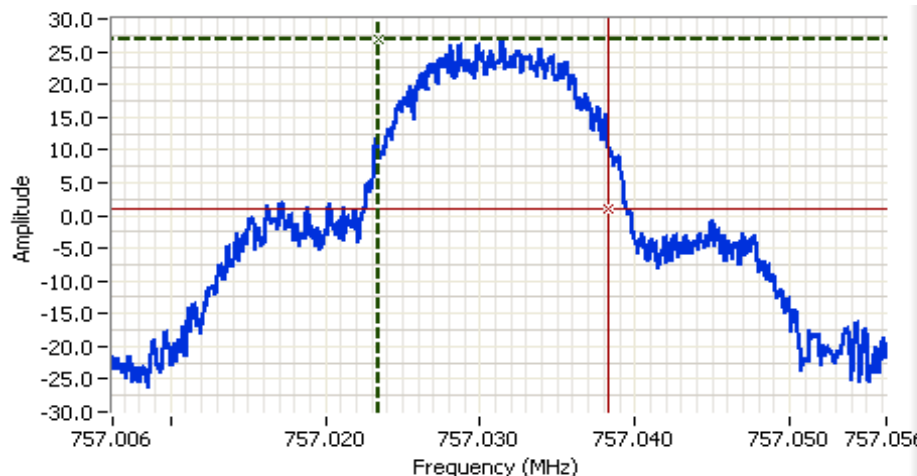
Analyzer Settings

Agilent Technologies, E4446A
 CF: 757.031 MHz
 SPAN: 50.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 40 DB
 RL Offset: 21.6 DB
 Sweep Time: 0.7s
 Ref Lvl: 42.0 DBM

Comments

16QAM
 f: 757.03125 MHz
 12.5 Vdc
 0 degree

Frequency stability at 10°C



Analyzer Settings

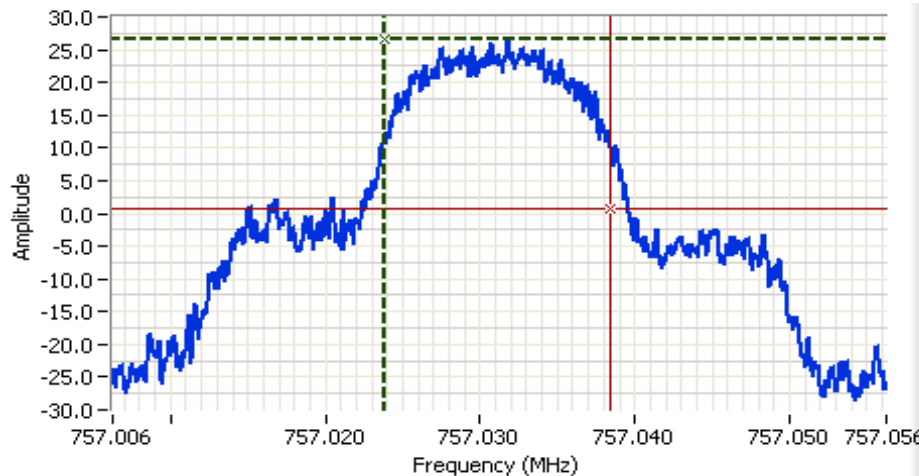
Agilent Technologies, E4446A
 CF: 757.031 MHz
 SPAN: 50.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 40 DB
 RL Offset: 21.6 DB
 Sweep Time: 0.7s
 Ref Lvl: 42.0 DBM

Comments

16QAM
 f: 757.03125 MHz
 12.5 Vdc
 10 degree

Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A

Frequency stability at 20°C



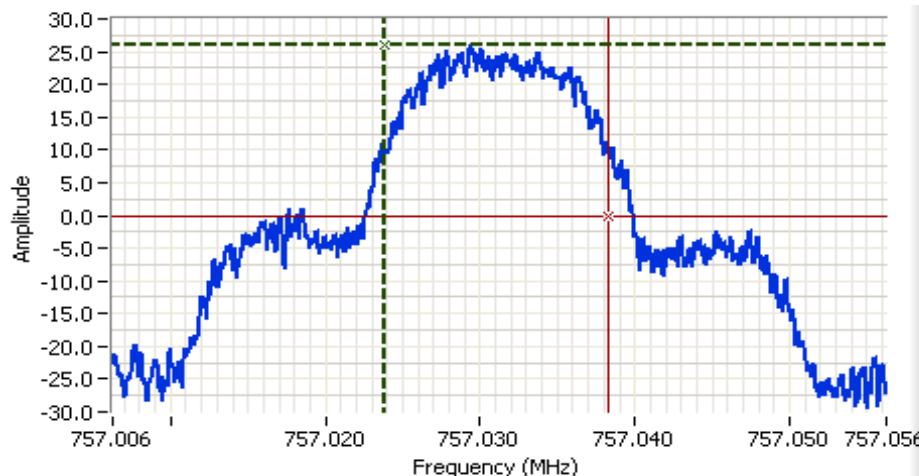
Analyzer Settings

Agilent Technologies, E4446A
 CF: 757.031 MHz
 SPAN: 50.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 40 DB
 RL Offset: 21.6 DB
 Sweep Time: 0.7s
 Ref Lvl: 42.0 DBM

Comments

16QAM
 f: 757.03125 MHz
 12.5 Vdc
 20 degree

Frequency stability at 30°C



Analyzer Settings

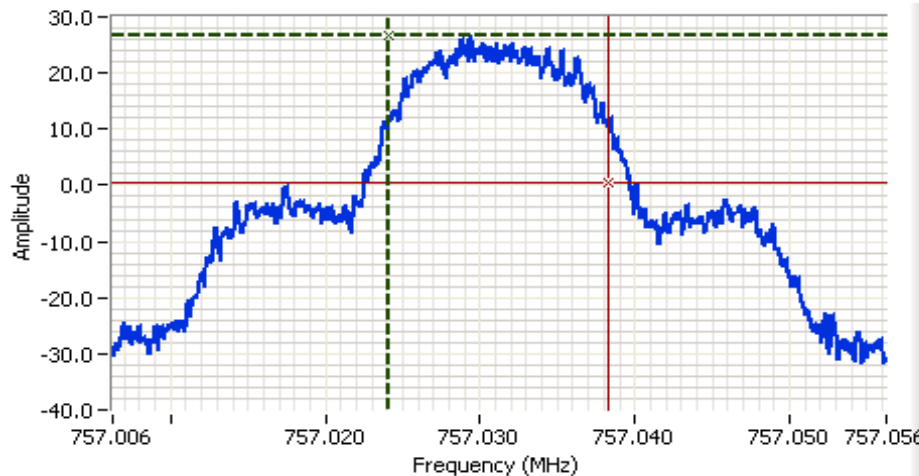
Agilent Technologies, E4446A
 CF: 757.031 MHz
 SPAN: 50.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 40 DB
 RL Offset: 21.6 DB
 Sweep Time: 0.7s
 Ref Lvl: 42.0 DBM

Comments

16QAM
 f: 757.03125 MHz
 12.5 Vdc
 30 degree

Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A

Frequency stability at 40°C



Analyzer Settings

Agilent Technologies, E4446A
 CF: 757.031 MHz
 SPAN: 50.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 40 DB
 RL Offset: 21.6 DB
 Sweep Time: 0.7s
 Ref Lvl: 42.0 DBM

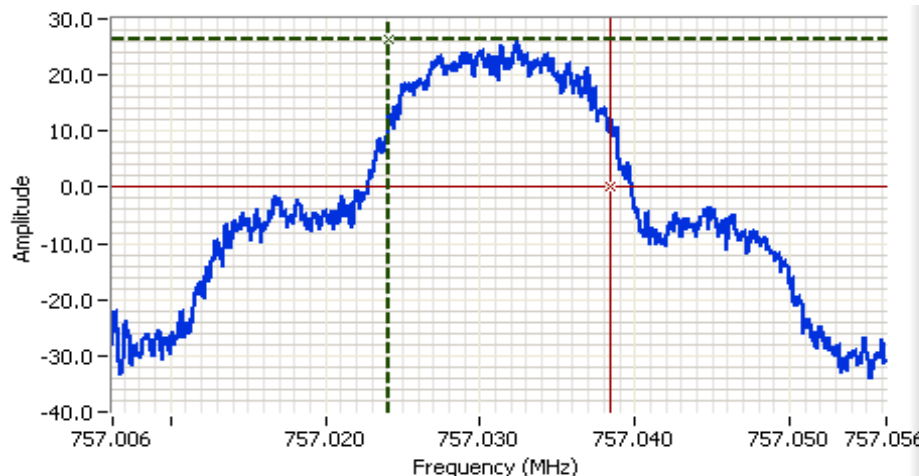
Comments

16QAM
 f: 757.03125 MHz
 12.5 Vdc
 40 degree

Cursor 1 757.0241 26.5
 Cursor 2 757.0383 0.5

Delta Freq. 14.2 kHz
 Delta Amplitude 26.0

Frequency stability at 50°C



Analyzer Settings

Agilent Technologies, E4446A
 CF: 757.031 MHz
 SPAN: 50.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 40 DB
 RL Offset: 21.6 DB
 Sweep Time: 0.7s
 Ref Lvl: 42.0 DBM

Comments

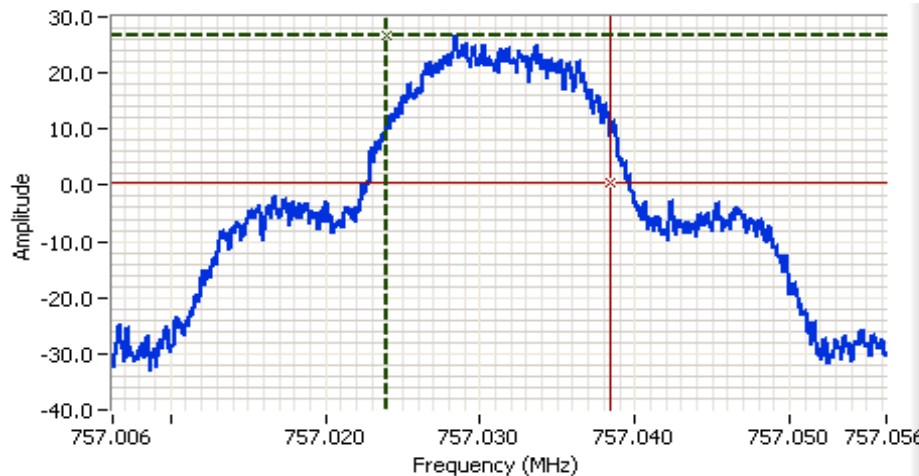
16QAM
 f: 757.03125 MHz
 12.5 Vdc
 50 degree

Cursor 1 757.0241 26.3
 Cursor 2 757.0385 0.3

Delta Freq. 14.4 kHz
 Delta Amplitude 26.0

Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A

Frequency stability at 60°C



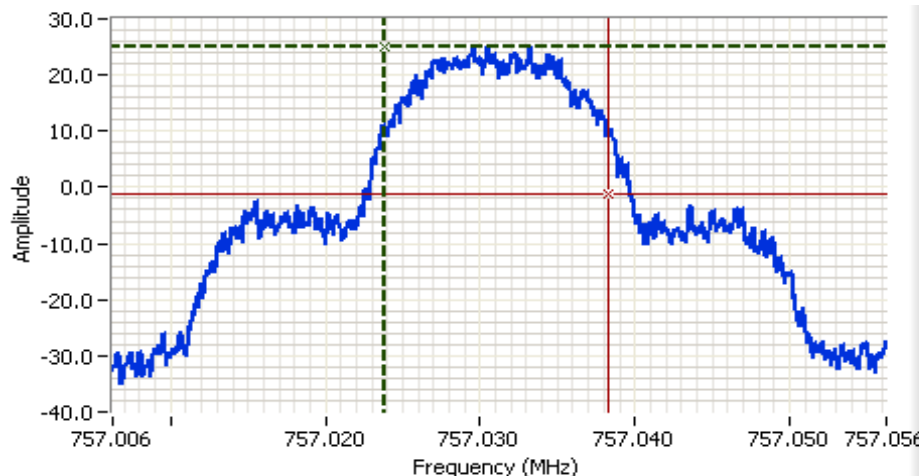
Analyzer Settings

Agilent Technologies, E4446A
 CF: 757.031 MHz
 SPAN: 50.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 40 DB
 RL Offset: 21.6 DB
 Sweep Time: 0.7s
 Ref Lvl: 42.0 DBM

Comments

16QAM
 f: 757.03125 MHz
 12.5 Vdc
 60 degree

Frequency stability at 70°C



Analyzer Settings

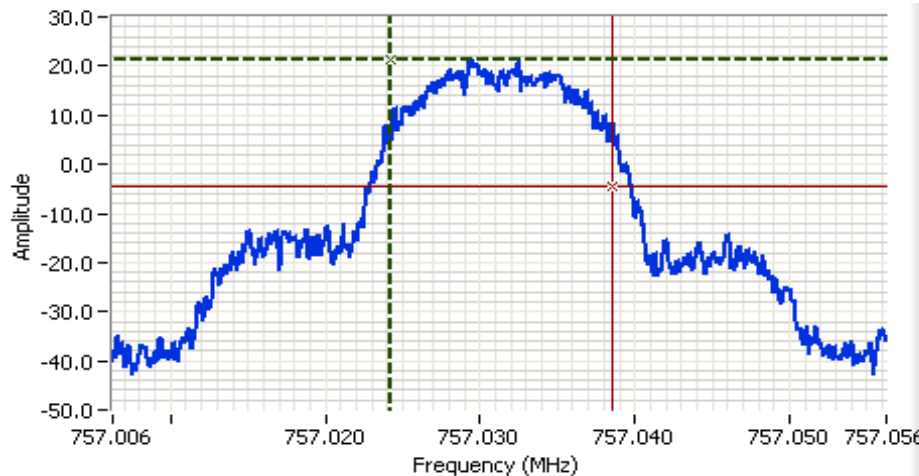
Agilent Technologies, E4446A
 CF: 757.031 MHz
 SPAN: 50.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 40 DB
 RL Offset: 21.6 DB
 Sweep Time: 0.7s
 Ref Lvl: 42.0 DBM

Comments

16QAM
 f: 757.03125 MHz
 12.5 Vdc
 70 degree

Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A

Frequency stability at 80°C



Analyzer Settings

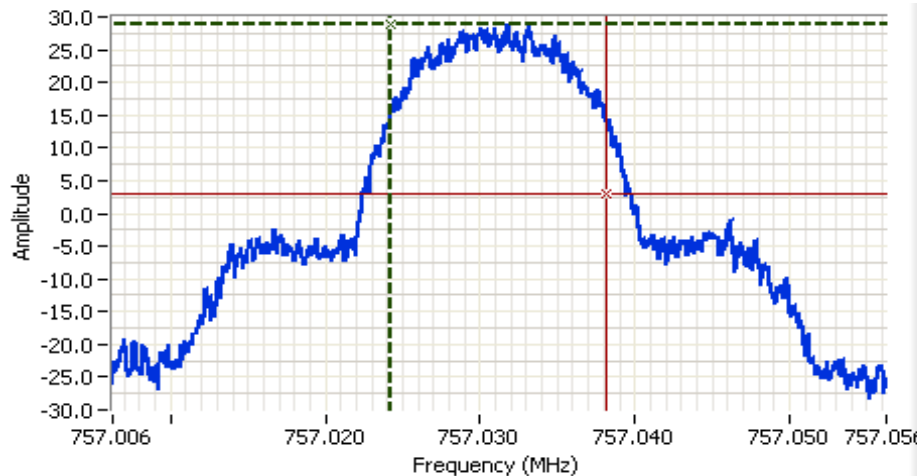
Agilent Technologies, E4446A
 CF: 757.031 MHz
 SPAN: 50.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 40 DB
 RL Offset: 21.6 DB
 Sweep Time: 0.7s
 Ref Lvl: 42.0 DBM

Comments

16QAM
 f: 757.031250 MHz
 12.5 Vdc
 80 degree

Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A

Frequency stability over 85% of Input voltage



Analyzer Settings

Agilent Technologies, E4446A
 CF: 757.031 MHz
 SPAN: 50.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 40 DB
 RL Offset: 21.6 DB
 Sweep Time: 0.7s
 Ref Lvl: 42.0 DBM

Comments

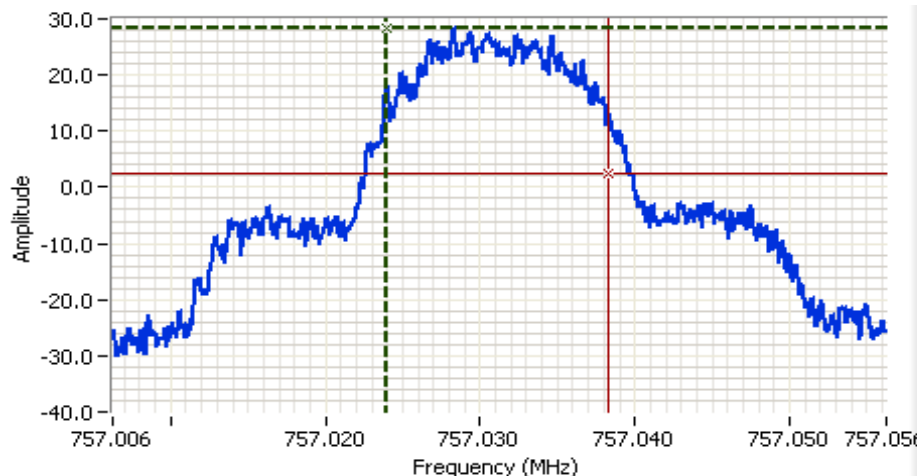
Channel spacing: 12.5 kHz
 16QAM
 f: 757.031250 MHz
 10.62 Vdc
 20 degree

Cursor 1 757.0242 29.0
 Cursor 2 757.0382 3.0

Delta Freq. 14.0 kHz
 Delta Amplitude 26.0



Frequency stability over 115% of Input voltage



Analyzer Settings

Agilent Technologies, E4446A
 CF: 757.031 MHz
 SPAN: 50.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 40 DB
 RL Offset: 21.6 DB
 Sweep Time: 0.7s
 Ref Lvl: 42.0 DBM

Comments

Channel spacing: 12.5 kHz
 16QAM
 f: 757.031250 MHz
 14.38 Vdc
 20 degree

Cursor 1 757.0240 28.3
 Cursor 2 757.0383 2.3

Delta Freq. 14.3 kHz
 Delta Amplitude 26.0





EMC Test Data

Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A

Run #6b: Frequency Stability at 787 - 788 MHz band.

Nominal Frequency: 787.96875 MHz Block edge: 788.00000 MHz

Frequency Stability Over Temperature

The EUT was soaked at each temperature for a minimum of 30 minutes prior to making the measurements to ensure the EUT and chamber had stabilized at that temperature.

Temperature	Block Edge Frequency Measured	Center Frequency Measured	Drift	
(Celsius)	(MHz)	(MHz)	(Hz)	(ppm)
-40	787.975900	787.9678910	-859	-1.1
-30	787.975900	787.9689080	158	0.2
-20	787.975800	787.9690250	275	0.3
-10	787.975900	787.9688250	75	0.1
0	787.975600	787.9687250	-25	0.0
10	787.975600	787.9686580	-92	-0.1
20	787.975700	787.9687420	-8	0.0
30	787.975800	787.9687750	25	0.0
40	787.975700	787.9688580	108	0.1
50	787.975700	787.9688580	108	0.1
60	787.975700	787.9687420	-8	0.0
70	787.975700	787.9687250	-25	0.0
80	787.975800	787.9688920	142	0.2
Worst case:		787.9678910	-859	-1.1

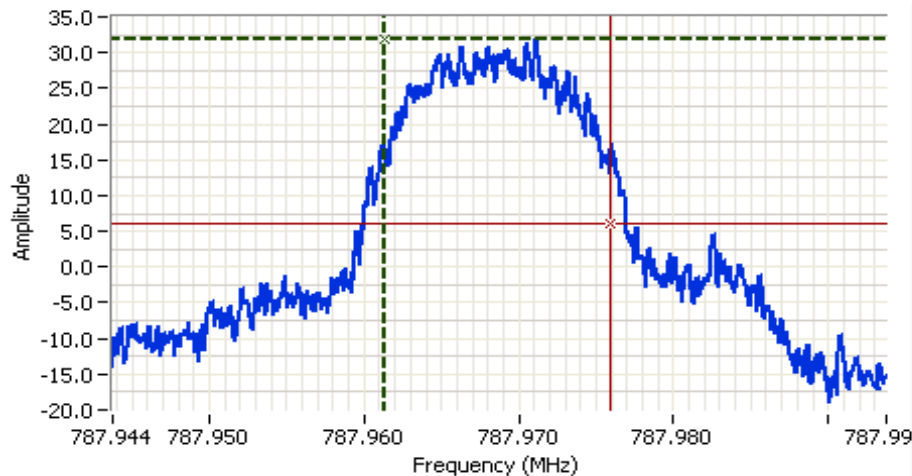
Frequency Stability Over Input Voltage - Nominal Voltage is 12.5 Vdc. (10.62 - 14.38 Vdc)

Voltage	Band Edge Frequency	Center Frequency	Drift	
(DC)	(MHz)	(MHz)	(Hz)	(ppm)
85%	787.975700	787.9686750	-75	-0.1
115%	787.975800	787.9686750	-75	-0.1
Worst case:		787.9686750	-75	-0.1

- Note 1: Center frequency was measured with unmodulated carrier. 99% emission BW band edge frequency was measured with channel spacing 12.5 kHz, 16QAM modulation.
- Note 2: Maximum drift of fundamental frequency before it shut down at 4.1 Vdc is 142 Hz.

Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A

Frequency stability at -40°C



Analyzer Settings

Agilent Technologies, E4446A
 CF: 787.969 MHz
 SPAN: 50.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 40 DB
 RL Offset: 21.6 DB
 Sweep Time: 0.7s
 Ref Lvl: 42.0 DBM

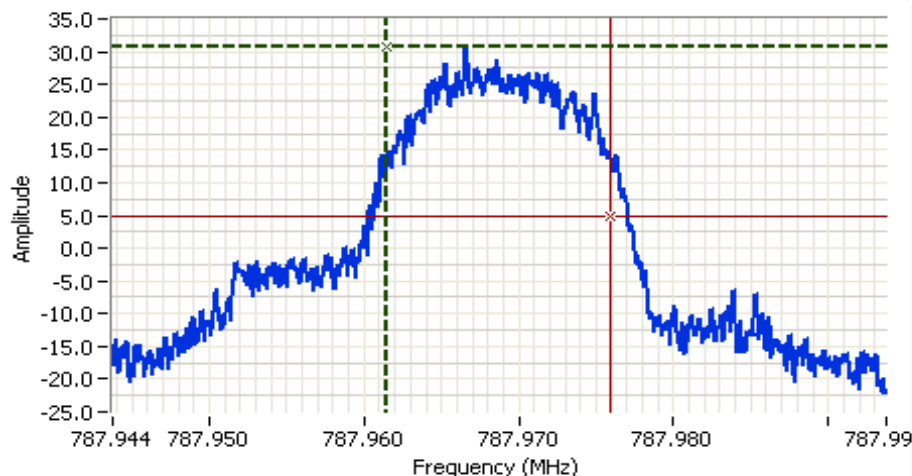
Comments

16QAM
 f: 787.968750 MHz
 12.5 Vdc
 -40 degree

Cursor 1 787.9613 32.0
 Cursor 2 787.9759 6.0

Delta Freq. 14.6 kHz
 Delta Amplitude 26.0

Frequency stability at -30°C



Analyzer Settings

Agilent Technologies, E4446A
 CF: 787.969 MHz
 SPAN: 50.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 40 DB
 RL Offset: 21.6 DB
 Sweep Time: 0.7s
 Ref Lvl: 42.0 DBM

Comments

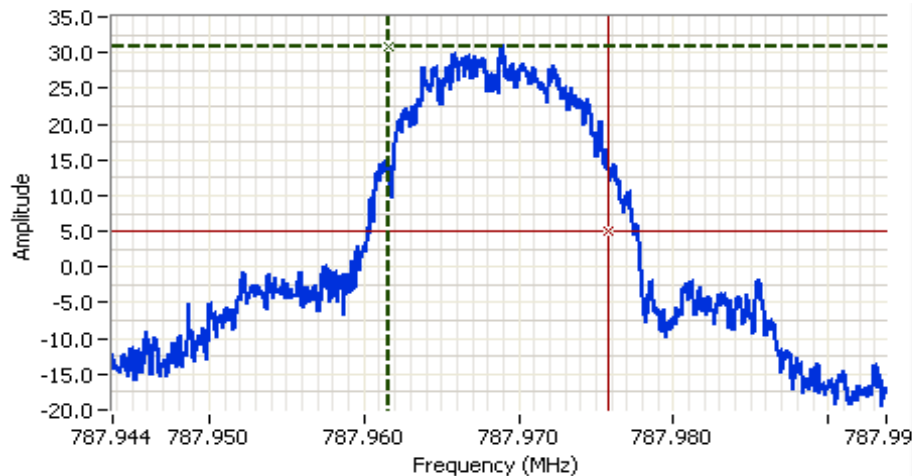
16QAM
 f: 787.96875 MHz
 12.5 Vdc
 -30 degree

Cursor 1 787.9615 30.7
 Cursor 2 787.9759 4.7

Delta Freq. 14.4 kHz
 Delta Amplitude 26.0

Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A

Frequency stability at -20°C



Analyzer Settings

Agilent Technologies, E4446A
 CF: 787.969 MHz
 SPAN: 50.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 40 DB
 RL Offset: 21.6 DB
 Sweep Time: 0.7s
 Ref Lvl: 42.0 DBM

Comments

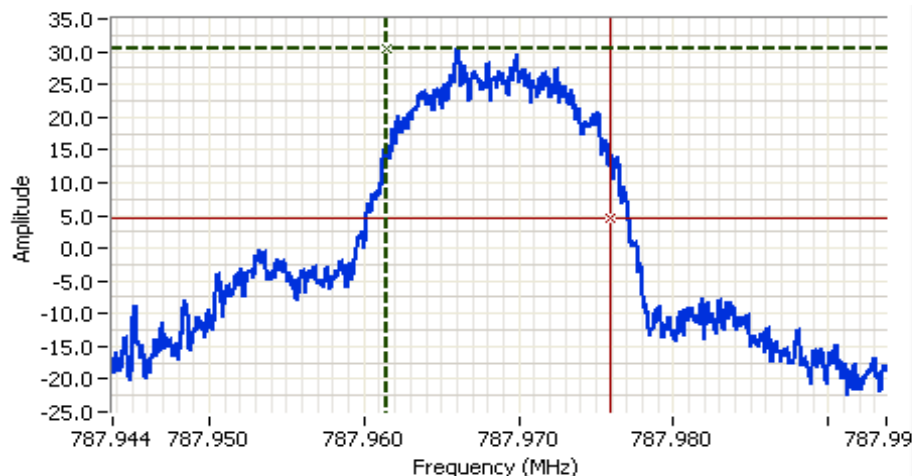
16QAM
 f: 787.96875 MHz
 12.5 Vdc
 -20 degree

Cursor 1 787.9615 30.9
 Cursor 2 787.9758 4.9

Delta Freq. 14.2 kHz
 Delta Amplitude 26.0



Frequency stability at -10°C



Analyzer Settings

Agilent Technologies, E4446A
 CF: 787.969 MHz
 SPAN: 50.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 40 DB
 RL Offset: 21.6 DB
 Sweep Time: 0.7s
 Ref Lvl: 42.0 DBM

Comments

16QAM
 f: 787.96875 MHz
 12.5 Vdc
 -10 degree

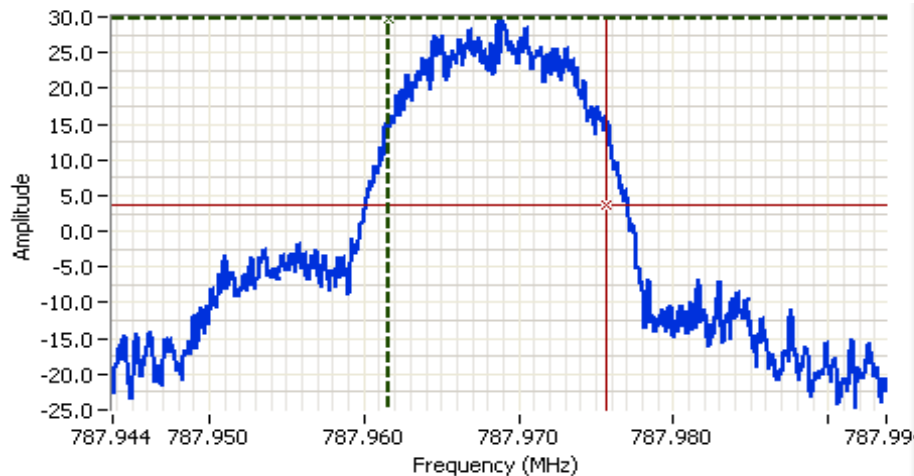
Cursor 1 787.9615 30.5
 Cursor 2 787.9759 4.5

Delta Freq. 14.4 kHz
 Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A

Frequency stability at 0°C



Analyzer Settings

Agilent Technologies, E4446A
 CF: 787.969 MHz
 SPAN: 50.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 40 DB
 RL Offset: 21.6 DB
 Sweep Time: 0.7s
 Ref Lvl: 42.0 DBM

Comments

16QAM
 f: 787.96875 MHz
 12.5 Vdc
 0 degree

Cursor 1 787.9615 29.7
 Cursor 2 787.9756 3.7

Delta Freq. 14.1 kHz
 Delta Amplitude 26.0



Frequency stability at 10°C



Analyzer Settings

Agilent Technologies, E4446A
 CF: 787.969 MHz
 SPAN: 50.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 40 DB
 RL Offset: 21.6 DB
 Sweep Time: 0.7s
 Ref Lvl: 42.0 DBM

Comments

16QAM
 f: 787.96875 MHz
 12.5 Vdc
 10 degree

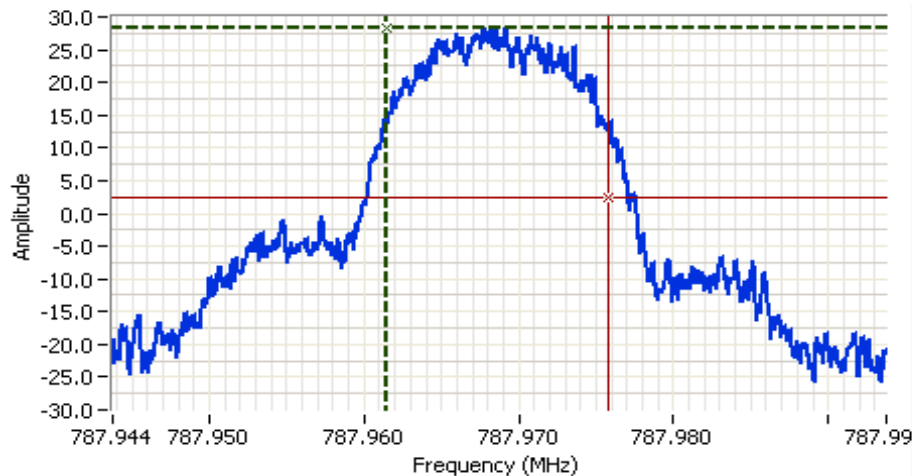
Cursor 1 787.9615 30.4
 Cursor 2 787.9756 4.4

Delta Freq. 14.0 kHz
 Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A

Frequency stability at 20°C



Analyzer Settings

Agilent Technologies, E4446A
 CF: 787.969 MHz
 SPAN: 50.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 40 DB
 RL Offset: 21.6 DB
 Sweep Time: 0.7s
 Ref Lvl: 42.0 DBM

Comments

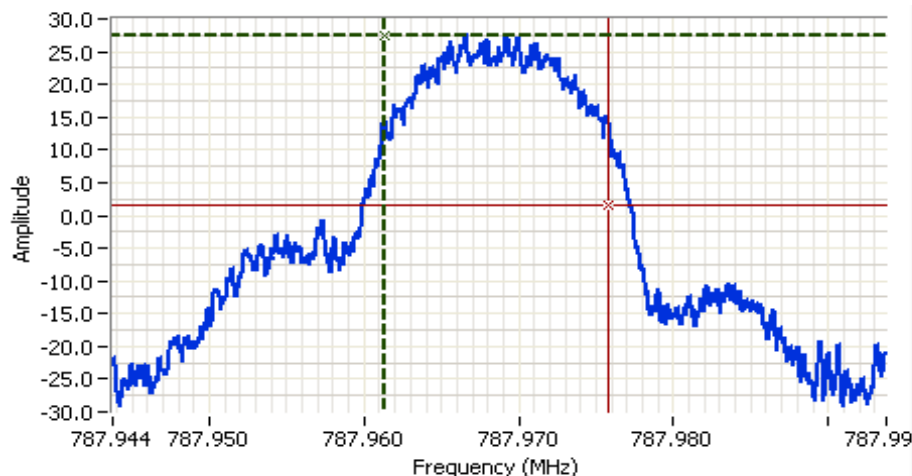
16QAM
 f: 787.96875 MHz
 12.5 Vdc
 20 degree

Cursor 1	787.9615	28.3	
Cursor 2	787.9757	2.3	

Delta Freq. 14.2 kHz

Delta Amplitude 26.0

Frequency stability at 30°C



Analyzer Settings

Agilent Technologies, E4446A
 CF: 787.969 MHz
 SPAN: 50.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 40 DB
 RL Offset: 21.6 DB
 Sweep Time: 0.7s
 Ref Lvl: 42.0 DBM

Comments

16QAM
 f: 787.96875 MHz
 12.5 Vdc
 30 degree

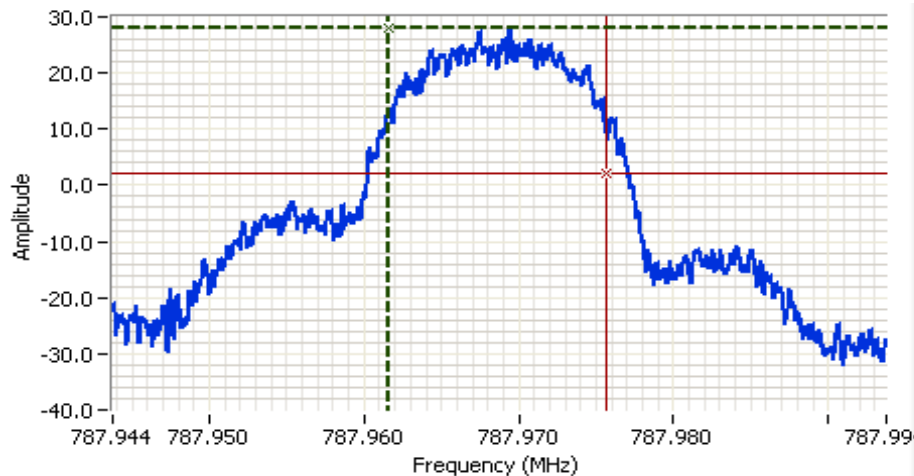
Cursor 1	787.9614	27.5	
Cursor 2	787.9758	1.5	

Delta Freq. 14.4 kHz

Delta Amplitude 26.0

Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A

Frequency stability at 40°C



Analyzer Settings

Agilent Technologies, E4446A
 CF: 787.969 MHz
 SPAN: 50.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 40 DB
 RL Offset: 21.6 DB
 Sweep Time: 0.7s
 Ref Lvl: 42.0 DBM

Comments

16QAM
 f: 787.96875 MHz
 12.5 Vdc
 40 degree

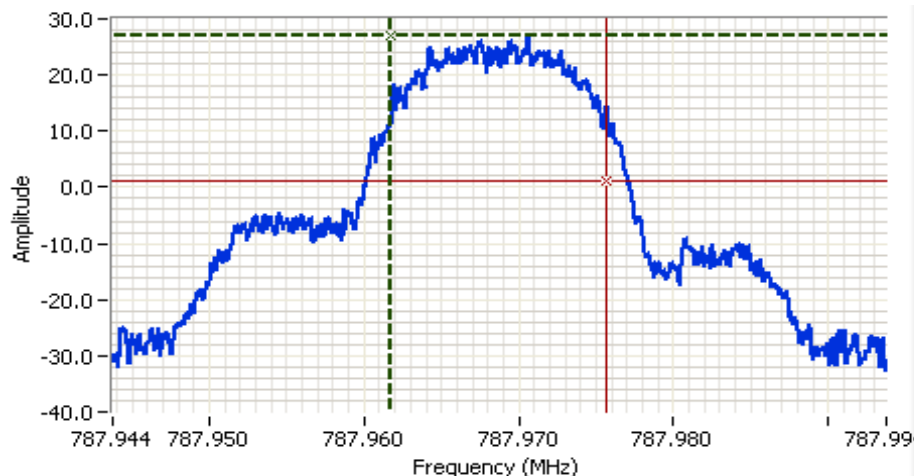
Cursor 1	787.9616	28.1	
Cursor 2	787.9757	2.1	

Delta Freq. 14.1 kHz

Delta Amplitude 26.0



Frequency stability at 50°C



Analyzer Settings

Agilent Technologies, E4446A
 CF: 787.969 MHz
 SPAN: 50.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 40 DB
 RL Offset: 21.6 DB
 Sweep Time: 0.7s
 Ref Lvl: 42.0 DBM

Comments

16QAM
 f: 787.96875 MHz
 12.5 Vdc
 50 degree

Cursor 1	787.9617	27.0	
Cursor 2	787.9757	1.0	

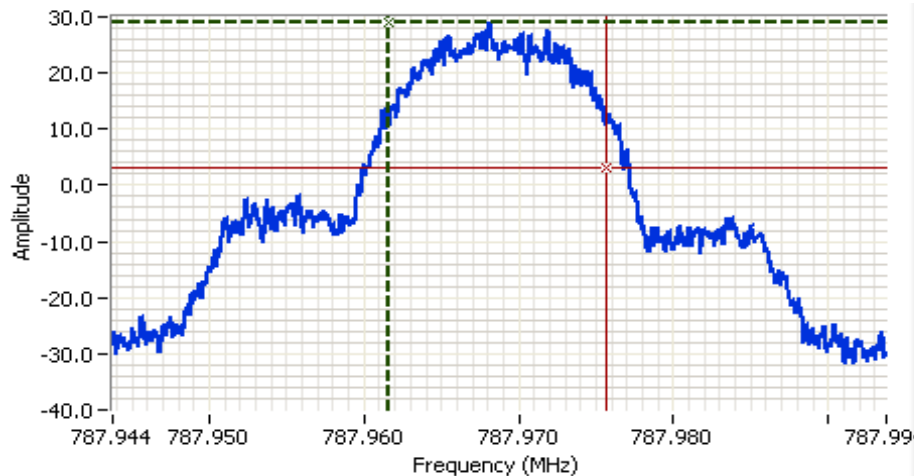
Delta Freq. 14.0 kHz

Delta Amplitude 26.0



Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A

Frequency stability at 60°C



Analyzer Settings

Agilent Technologies, E4446A
 CF: 787.969 MHz
 SPAN: 50.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 40 DB
 RL Offset: 21.6 DB
 Sweep Time: 0.7s
 Ref Lvl: 42.0 DBM

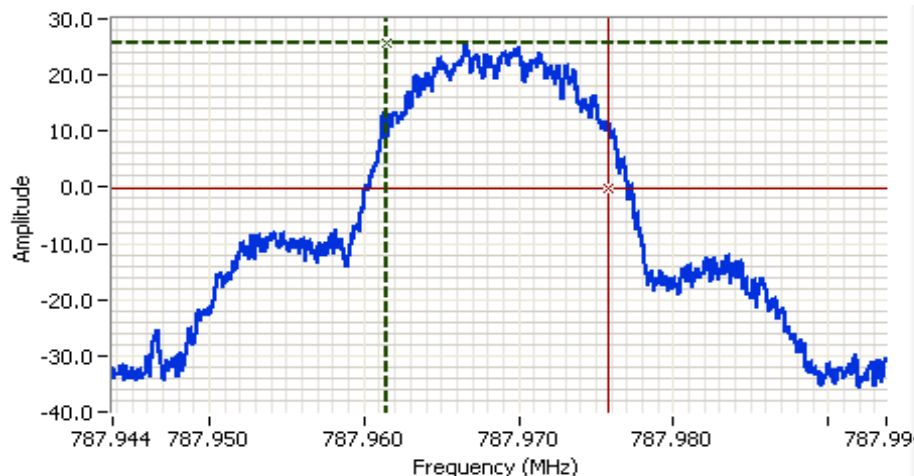
Comments

16QAM
 f: 787.96875 MHz
 12.5 Vdc
 60 degree

Cursor 1 787.9615 29.0
 Cursor 2 787.9757 3.0

Delta Freq. 14.1 kHz
 Delta Amplitude 26.0

Frequency stability at 70°C



Analyzer Settings

Agilent Technologies, E4446A
 CF: 787.969 MHz
 SPAN: 50.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 40 DB
 RL Offset: 21.6 DB
 Sweep Time: 0.7s
 Ref Lvl: 42.0 DBM

Comments

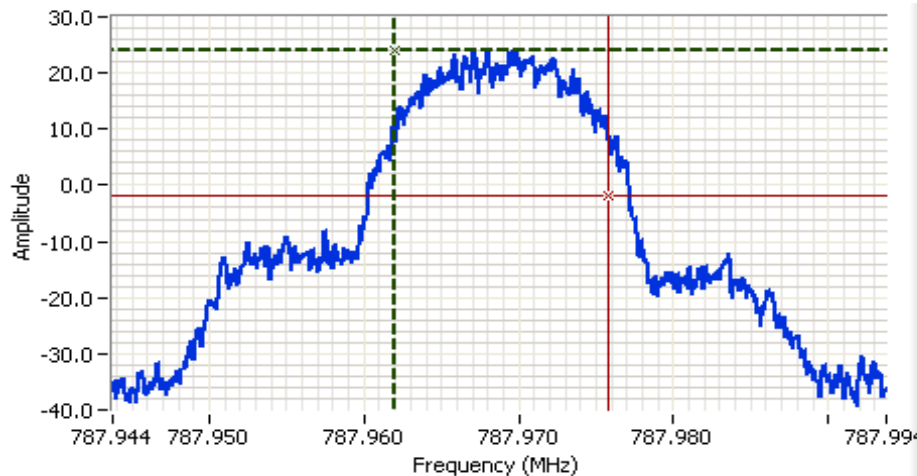
16QAM
 f: 787.96875 MHz
 12.5 Vdc
 70 degree

Cursor 1 787.9614 25.8
 Cursor 2 787.9757 -0.2

Delta Freq. 14.3 kHz
 Delta Amplitude 26.0

Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A

Frequency stability at 80°C



Analyzer Settings

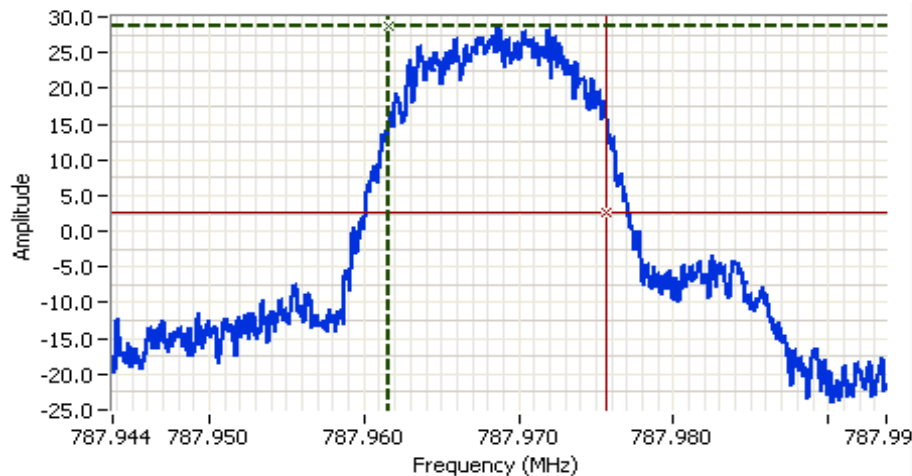
Agilent Technologies, E4446A
 CF: 787.969 MHz
 SPAN: 50.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 40 DB
 RL Offset: 21.6 DB
 Sweep Time: 0.7s
 Ref Lvl: 42.0 DBM

Comments

16QAM
 f: 787.968750 MHz
 12.5 Vdc
 80 degree

Client: Xetawave LLC	Job Number: JD103419
Model: Xeta7	T-Log Number: T103448
Contact: Sandee Malang	Project Manager: Christine Krebill
Standard: FCC Part 27	Project Coordinator: -
	Class: N/A

Frequency stability over 85% of Input voltage



Analyzer Settings

Agilent Technologies, E4446A
 CF: 787.969 MHz
 SPAN: 50.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 40 DB
 RL Offset: 21.6 DB
 Sweep Time: 0.7s
 Ref Lvl: 42.0 DBM

Comments

Channel spacing: 12.5 kHz
 16QAM
 f: 787.968750 MHz
 10.62 Vdc
 20 degree

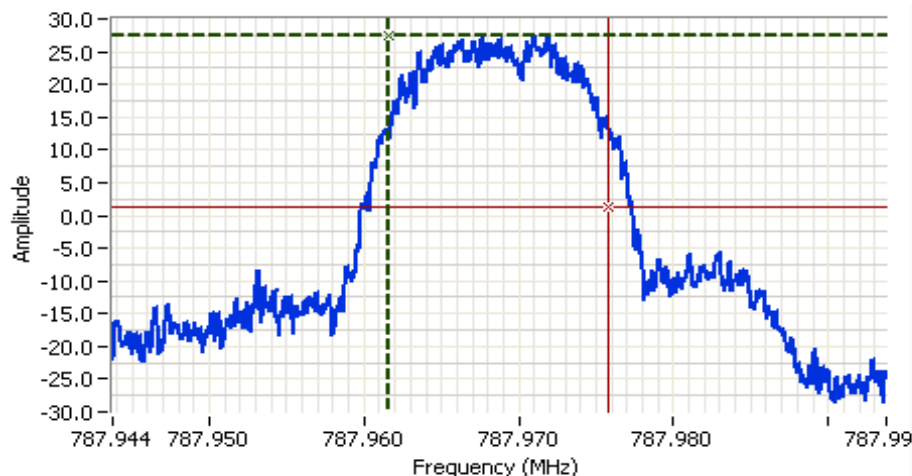
Cursor 1	787.9616	28.6	
Cursor 2	787.9757	2.6	

Delta Freq. 14.1 kHz

Delta Amplitude 26.0



Frequency stability over 115% of Input voltage



Analyzer Settings

Agilent Technologies, E4446A
 CF: 787.969 MHz
 SPAN: 50.0 kHz
 RB: 200 Hz
 VB: 2.00 kHz
 Detector: POS
 Attn: 40 DB
 RL Offset: 21.6 DB
 Sweep Time: 0.7s
 Ref Lvl: 42.0 DBM

Comments

Channel spacing: 12.5 kHz
 16QAM
 f: 787.968750 MHz
 14.38 Vdc
 20 degree

Cursor 1	787.9616	27.4	
Cursor 2	787.9758	1.4	

Delta Freq. 14.2 kHz

Delta Amplitude 26.0



End of Report

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