FCC Test Report

(Part 22&24&27)

Product Name : Intel 7260M2NA

Model No : 7260M2NA

FCC ID : PD97260NA

Applicant : Intel Mobile Communications

Address : 100 Center Point Circle, Suite 200 Columbia, South Carolina 29210 USA

Date of Receipt : 2014/09/29

Issued Date : 2014/11/03

Report No. : 1490343R-HPUSP45V00

Report Version : V1.0

Testing Laboratory
3023

Test Report

Issued Date : 2014/11/03
Report No.: 1490343R-HPUSP45V00

QuieTek

Product Name	:	Intel 7260M2NA
Applicant	:	Intel Mobile Communications
Address	:	100 Center Point Circle, Suite 200 Columbia, South Carolina 29210 USA
Manufacturer	:	Intel Mobile Communications
Trade Name	:	Intel
Model No.	:	7260M2NA
EUT Rated Voltage	:	DC 3.3V
EUT Test Voltage	:	DC 3.3V
Measurement Standard	:	FCC CFR Title 47 Part 2 22 24 27
Measurement Reference	:	TIA/EIA 603-C
Test Result	:	Complied

Documented By : Anny Chou
(Adm. Specialist / Anny Chou)

Tested By : Vorana Chen
(Senior Engineer / Vorana Chen)

Approved By :
(Director /Vincent Lin)

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1. GENERAL INFORMATION

1.1. EUT Description

Product Name	Intel 7260M2NA
Model No.	7260M2NA
Trade Name	Intel
IMEI No.	004402478916806
FCC ID	PD97260NA
TX Frequency	LTE Band 2: 1850~1910MHz
	LTE Band 4: 1710~1755MHz
	LTE Band 5: 824~849MHz
	LTE Band 17: 704~716MHz
Rx Frequency	LTE Band 2: 1930~1990MHz
	LTE Band 4: 2110~2155MHz
	LTE Band 5: 869~894MHz
	LTE Band 17: 734~746MHz
Bandwidth	LTE Band 2: 1.4MHz/3 MHz/5 MHz/10 MHz/15 MHz/20 MHz
	LTE Band 4: 1.4MHz/3 MHz/5 MHz/10 MHz/15 MHz/20 MHz
	LTE Band 5: 1.4MHz/3 MHz/5 MHz/10 MHz
	LTE Band 17: 5 MHz/10 MHz
HW Version	PR3.1
SW version	1433
Antenna Type	Dipole

1.2. Antenna List

No.	Manufacturer	Part No.	Peak Gain
1	Pulse	SPDA24700/2700	2dBi

1.3. Operational Description

The information contained within this report is intended to show verification of compliance of the 700/850/1700/1900MHz to the requirements of FCC 47 CFR Part 2, 22,24 and 27

The EUT provide all functions described as above. The EUT is tested with maximum rated TX power via the Base Station simulator.

QuieTek has verified the construction and function in typical operation. All the test modes were carried out with the EUT in normal operation, which was shown in this test report and defined

as:

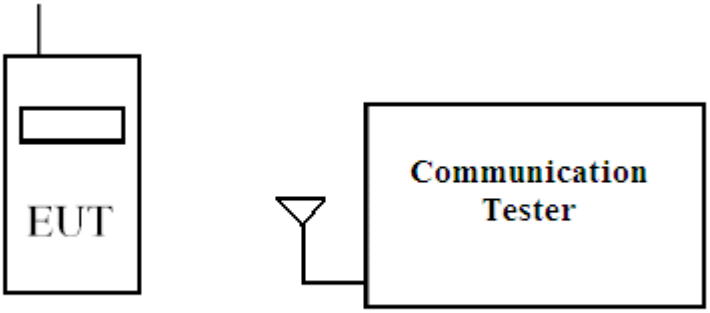
Test Mode:	LTE Band 2 (1.4M)-QPSK/16QAM
	LTE Band 2 (3M)-QPSK/16QAM
	LTE Band 2 (5M)-QPSK/16QAM
	LTE Band 2 (10M)-QPSK/16QAM
	LTE Band 2 (15M)-QPSK/16QAM
	LTE Band 2 (20M)-QPSK/16QAM
	LTE Band 4 (1.4M)-QPSK/16QAM
	LTE Band 4 (3M)-QPSK/16QAM
	LTE Band 4 (5M)-QPSK/16QAM
	LTE Band 4 (10M)-QPSK/16QAM
	LTE Band 4 (15M)-QPSK/16QAM
	LTE Band 4 (20M)-QPSK/16QAM
	LTE Band 5 (1.4M)-QPSK/16QAM
	LTE Band 5 (3M)-QPSK/16QAM
	LTE Band 5 (5M)-QPSK/16QAM
	LTE Band 5 (10M)-QPSK/16QAM
	LTE Band 17 (5M)-QPSK/16QAM
	LTE Band 17 (10M)-QPSK/16QAM

Note:

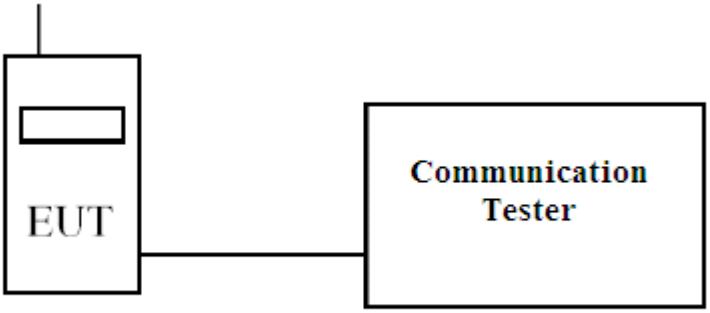
The maximum power levels are chosen in the LTE Band 2/4/5/17, only these modes were used for all tests.

1.4. Configuration of tested System

(a) Configuration of Radiated measurement



(b) Configuration of Conducted measurement



1.5. EUT Setup Procedures

(1) Setup the EUT and simulators as shown on 1.3
(2) Turn on the power of all equipments.
(3) The EUT was set to communicate with communication tester..
(4) Repeat the above procedure (3).

1.6. Test Facility

Ambient conditions in the laboratory:

Items	Required (IEC 68-1)	Actual
Temperature (°C)	15-35	21
Humidity (%RH)	25-75	53
Barometric pressure (mbar)	860-1060	982

Site Description: File on
Federal Communications Commission
FCC Engineering Laboratory
7435 Oakland Mills Road
Columbia, MD 21046
FCC Registration Number :92195

Site Name: Quie Tek Corporation

LinKou Testing Laboratory:
No.5-22, Ruishukeng, Linkou Dist.,
New Taipei City 24451,
Taiwan, R.O.C.
TEL : 886-2-8601-3788 / FAX : 886-2-8601-3789
E-Mail : service@quietek.com

FCC Accreditation Number: TW1014

1.7. Type of Emission

Band	Bandwidth (MHz)	Modulation	
		QPSK	16QAM
2	1.4	1M10G7D	1M10W7D
2	3	2M73G7D	2M72W7D
2	5	4M51G7D	4M49W7D
2	10	9M07G7D	9M08W7D
2	15	13M5G7D	13M5W7D
2	20	18M7G7D	18M7W7D
4	1.4	1M09G7D	1M10W7D
4	3	2M73G7D	2M72W7D
4	5	4M50G7D	4M48W7D
4	10	9M06G7D	9M08W7D
4	15	13M6G7D	13M5W7D
4	20	18M8G7D	18M8W7D
5	1.4	1M10G7D	1M10W7D
5	3	2M73G7D	2M71W7D
5	5	4M50G7D	4M48W7D
5	10	9M08G7D	9M07W7D
17	5	4M51G7D	4M49W7D
17	10	9M09G7D	9M09W7D

1.8. Voltages and DC currents

Band 2 (1.4M)	EUT Transmitting (in maximum power) : EUT Standby :	DC voltage : 3.7V , DC current : 0.56A DC voltage : 3.7V , DC current : 0.03A
Band 2 (3M)	EUT Transmitting (in maximum power) : EUT Standby :	DC voltage : 3.7V , DC current : 0.56A DC voltage : 3.7V , DC current : 0.03A
Band 2 (5M)	EUT Transmitting (in maximum power) : EUT Standby :	DC voltage : 3.7V , DC current : 0.57A DC voltage : 3.7V , DC current : 0.03A
Band 2 (10M)	EUT Transmitting (in maximum power) : EUT Standby :	DC voltage : 3.7V , DC current : 0.58A DC voltage : 3.7V , DC current : 0.03A
Band 2 (15M)	EUT Transmitting (in maximum power) : EUT Standby :	DC voltage : 3.7V , DC current : 0.62A DC voltage : 3.7V , DC current : 0.03A
Band 2 (20M)	EUT Transmitting (in maximum power) : EUT Standby :	DC voltage : 3.7V , DC current : 0.67A DC voltage : 3.7V , DC current : 0.03A
Band 4 (1.4M)	EUT Transmitting (in maximum power) : EUT Standby :	DC voltage : 3.7V , DC current : 0.56A DC voltage : 3.7V , DC current : 0.03A
Band 4 (3M)	EUT Transmitting (in maximum power) : EUT Standby :	DC voltage : 3.7V , DC current : 0.58A DC voltage : 3.7V , DC current : 0.03A
Band 4 (5M)	EUT Transmitting (in maximum power) : EUT Standby :	DC voltage : 3.7V , DC current : 0.58A DC voltage : 3.7V , DC current : 0.03A
Band 4 (10M)	EUT Transmitting (in maximum power) : EUT Standby :	DC voltage : 3.7V , DC current : 0.61A DC voltage : 3.7V , DC current : 0.03A
Band 4 (15M)	EUT Transmitting (in maximum power) : EUT Standby :	DC voltage : 3.7V , DC current : 0.67A DC voltage : 3.7V , DC current : 0.03A
Band 4 (20M)	EUT Transmitting (in maximum power) : EUT Standby :	DC voltage : 3.7V , DC current : 0.68A DC voltage : 3.7V , DC current : 0.03A
Band 5 (1.4M)	EUT Transmitting (in maximum power) : EUT Standby :	DC voltage : 3.7V , DC current : 0.47A DC voltage : 3.7V , DC current : 0.03A
Band 5 (3M)	EUT Transmitting (in maximum power) : EUT Standby :	DC voltage : 3.7V , DC current : 0.48A DC voltage : 3.7V , DC current : 0.03A
Band 5 (5M)	EUT Transmitting (in maximum power) : EUT Standby :	DC voltage : 3.7V , DC current : 0.49A DC voltage : 3.7V , DC current : 0.03A
Band 5 (10M)	EUT Transmitting (in maximum power) : EUT Standby :	DC voltage : 3.7V , DC current : 0.51A DC voltage : 3.7V , DC current : 0.03A
Band 17 (5M)	EUT Transmitting (in maximum power) : EUT Standby :	DC voltage : 3.7V , DC current : 0.50A DC voltage : 3.7V , DC current : 0.03A
Band 17 (10M)	EUT Transmitting (in maximum power) : EUT Standby :	DC voltage : 3.7V , DC current : 0.50A DC voltage : 3.7V , DC current : 0.03A

2. Technical Test

2.1. Summary of test result

Standard	Test Item	Result	Note
2.1046	Conducted Output Power	Pass	
22.913(a)			
24.232(c)			
27.5			
2.1049	Occupied Bandwidth	Pass	
22.917(a)			
24.238(b)			
27.53(g)			
2.1051	Spurious Emission at Antenna Terminals	Pass	
22.917(a)			
24.238(a)			
27.53(g)			
2.1051	Conducted Emission	Pass	
22.917(a)			
24.238(a)			
27.53(g)			
2.1053	Field Strength of Spurious Radiation	Pass	
22.917(a)			
24.238(a)			
27.53(g)			
2.1055	Frequency Stability for Temperature & Voltage	Pass	
22.355			
24.235			
27.54			
27.50(a)	Peak to Average Ratio	Pass	

2.2. List of test Equipment

Conducted /CTR

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
Spectrum Analyzer	Agilent	N9010A	MY52220597	2014/05/13
Directional coupler	Agilent	87300C	MY44300353	2013/11/04
Directional coupler	Agilent	778D-012	50550	2013/11/07
Standard Temperature & Humidity Chamber	WIT	TH-1S-B	EQ-201-00146	2014/10/01
DC power supply	Agilent	E3610A	MY40009845	2014/06/18
Communication Tester	Agilent	8820C	6201091166	2014/01/17

Radiated / Site3

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
Bilog Antenna	Schaffner Chase	CBL6112B	2707	2014/06/13
Horn Antenna	R&S	9120D	556	2013/12/20
Pre-Amplifier	Agilent	87405C	MY47010653	2014/01/13
Spectrum Analyzer	Agilent	N9010A	MY52220597	2014/05/13
DC power supply	Agilent	E3610A	MY40009845	2014/06/18
Communication Tester	Agilent	8820C	6201091166	2014/1/17

2.3. Measurement Uncertainty

Conducted Emission

The measurement uncertainty of confidence of 95% is evaluated as ± 1.52 dB

Radiated Emission (Below 1GHz)

The measurement uncertainty of confidence of 95% is evaluated as ± 3.44 dB .

Radiated Emission (Above 1GHz)

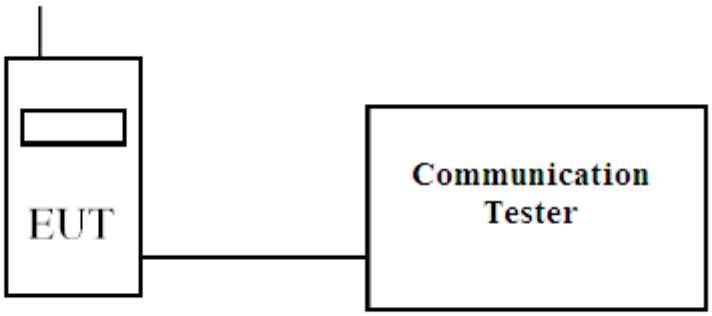
The measurement uncertainty of confidence of 95% is evaluated as ± 4.08 dB

3. Conducted Output Power Measurment

3.1. Test Specification

According to Part 2.1046, 22.913, 24.232, 27.50

3.2. Test Setup



3.3. Limits

Band	Limit
Band 2/1900 / Band 5/ 850	<2W
Band 4/1700	<1W
Band 5/850	<7W
Band 17 /700	<3W

3.4. Test Procedure

The EUT is tested with maximum rated TX power via the Base Station simulator, and the output power was measured at the antenna terminals of the EUT.

3.5. Test Result of Maximum Power Output

Band	Channel	Modula-tion	RB No.	RB Offset	MPR	Max Power (dBm)	Max Power (W)
Band 2 (1900MHz)/1.4MHz	18607	QPSK	1	#0	0	**23.17**	**0.208**
			1	#Mid	0	22.75	0.189
			1	#Max	0	23.13	0.207
			50%	#0	0	23.02	0.201
			50%	#Mid	0	22.9	0.196
			50%	#Max	0	23.08	0.204
			100%	--	1	22.04	0.161
		16QAM	1	#0	1	**22.6**	**0.183**
			1	#Mid	1	22.16	0.165
			1	#Max	1	22.59	0.183
			50%	#0	1	22.04	0.161
			50%	#Mid	1	21.83	0.153
			50%	#Max	1	21.94	0.157
			100%	--	2	21.15	0.131
	18900	QPSK	1	#0	0	**22.95**	**0.198**
			1	#Mid	0	22.53	0.180
			1	#Max	0	22.88	0.195
			50%	#0	0	22.87	0.195
			50%	#Mid	0	22.76	0.190
			50%	#Max	0	22.87	0.195
			100%	--	1	22.02	0.160
		16QAM	1	#0	1	21.96	0.158
			1	#Mid	1	21.52	0.143
			1	#Max	1	**21.98**	**0.159**
			50%	#0	1	21.82	0.153
			50%	#Mid	1	21.65	0.147
			50%	#Max	1	21.73	0.150
			100%	--	2	20.95	0.125
	19193	QPSK	1	#0	0	22.85	0.194
			1	#Mid	0	22.47	0.178
			1	#Max	0	**22.89**	**0.196**
			50%	#0	0	22.71	0.188
			50%	#Mid	0	22.71	0.188
			50%	#Max	0	22.87	0.195
			100%	--	1	21.8	0.152
		16QAM	1	#0	1	**21.89**	**0.156**
			1	#Mid	1	21.5	0.142
			1	#Max	1	21.69	0.149
			50%	#0	1	21.85	0.154
			50%	#Mid	1	21.64	0.147
			50%	#Max	1	21.82	0.153
			100%	--	2	20.85	0.123

Band	Channel	Modula-tion	RB No.	RB Offset	MPR	Max Power (Conducted)	Max Power (W)
Band 2 (1900MHz)/3MHz	18615	QPSK	1	#0	0	23.1	0.205
			1	#Mid	0	**23.12**	**0.206**
			1	#Max	0	23.02	0.201
			50%	#0	1	22.08	0.162
			50%	#Mid	1	22.04	0.161
			50%	#Max	1	22.03	0.161
			100%	--	1	21.98	0.159
		16QAM	1	#0	1	22.08	0.162
			1	#Mid	1	**22.11**	**0.164**
			1	#Max	1	22	0.159
			50%	#0	2	21.12	0.130
			50%	#Mid	2	21.12	0.130
			50%	#Max	2	21.11	0.130
			100%	--	2	21.05	0.128
	18900	QPSK	1	#0	0	22.89	0.196
			1	#Mid	0	**22.89**	**0.196**
			1	#Max	0	22.82	0.192
			50%	#0	1	21.82	0.153
			50%	#Mid	1	21.83	0.153
			50%	#Max	1	21.83	0.153
			100%	--	1	21.78	0.152
		16QAM	1	#0	1	22.23	0.168
			1	#Mid	1	**22.24**	**0.168**
			1	#Max	1	22.14	0.165
			50%	#0	2	20.99	0.127
			50%	#Mid	2	21.04	0.128
			50%	#Max	2	20.93	0.125
			100%	--	2	20.87	0.123
	19185	QPSK	1	#0	0	22.96	0.199
			1	#Mid	0	**23**	**0.201**
			1	#Max	0	22.85	0.194
			50%	#0	1	22	0.159
			50%	#Mid	1	22.01	0.160
			50%	#Max	1	21.95	0.158
			100%	--	1	21.98	0.159
		16QAM	1	#0	1	22.02	0.160
			1	#Mid	1	**22.1**	**0.163**
			1	#Max	1	21.96	0.158
			50%	#0	2	21.15	0.131
			50%	#Mid	2	21.12	0.130
			50%	#Max	2	21.09	0.130
			100%	--	2	21.04	0.128

Band	Channel	Modula-tion	RB No.	RB Offset	MPR	Max Power (Conducted)	Max Power (W)
Band 2 (1900MHz)/5MHz	18625	QPSK	1	#0	0	22.7	0.187
			1	#Mid	0	**22.75**	**0.189**
			1	#Max	0	22.68	0.186
			50%	#0	1	21.94	0.157
			50%	#Mid	1	21.85	0.154
			50%	#Max	1	21.86	0.154
			100%	--	1	21.84	0.154
		16QAM	1	#0	1	**22.02**	**0.160**
			1	#Mid	1	22.01	0.160
			1	#Max	1	22.01	0.160
			50%	#0	2	20.9	0.124
			50%	#Mid	2	20.82	0.122
			50%	#Max	2	20.84	0.122
			100%	--	2	20.9	0.124
	18900	QPSK	1	#0	0	**22.72**	**0.188**
			1	#Mid	0	22.68	0.186
			1	#Max	0	22.58	0.182
			50%	#0	1	21.68	0.148
			50%	#Mid	1	21.67	0.148
			50%	#Max	1	21.67	0.148
			100%	--	1	21.65	0.147
		16QAM	1	#0	1	21.65	0.147
			1	#Mid	1	**21.71**	**0.149**
			1	#Max	1	21.58	0.145
			50%	#0	2	20.84	0.122
			50%	#Mid	2	20.75	0.120
			50%	#Max	2	20.7	0.118
			100%	--	2	20.75	0.120
	19175	QPSK	1	#0	0	22.56	0.181
			1	#Mid	0	22.52	0.180
			1	#Max	0	**22.56**	**0.181**
			50%	#0	1	21.73	0.150
			50%	#Mid	1	21.72	0.150
			50%	#Max	1	21.69	0.149
			100%	--	1	21.72	0.150
		16QAM	1	#0	1	21.43	0.140
			1	#Mid	1	**21.49**	**0.142**
			1	#Max	1	21.3	0.136
			50%	#0	2	20.83	0.122
			50%	#Mid	2	20.83	0.122
			50%	#Max	2	20.78	0.121
			100%	--	2	20.78	0.121

Band	Channel	Modula-tion	RB No.	RB Offset	MPR	Max Power (Conducted)	Max Power (W)
Band 2 (1900MHz)/10MHz	18650	QPSK	1	#0	0	**23.21**	**0.210**
			1	#Mid	0	22.95	0.198
			1	#Max	0	23.01	0.201
			50%	#0	1	22.09	0.163
			50%	#Mid	1	22.01	0.160
			50%	#Max	1	21.98	0.159
			100%	--	1	22.06	0.162
		16QAM	1	#0	1	**22.08**	**0.162**
			1	#Mid	1	21.83	0.153
			1	#Max	1	21.89	0.156
			50%	#0	2	21.21	0.133
			50%	#Mid	2	21.08	0.129
			50%	#Max	2	21	0.127
			100%	--	2	21.07	0.129
	18900	QPSK	1	#0	0	**22.76**	0.190
			1	#Mid	0	22.69	0.187
			1	#Max	0	22.5	0.179
			50%	#0	1	21.6	0.146
			50%	#Mid	1	21.72	0.150
			50%	#Max	1	21.68	0.148
			100%	--	1	21.75	0.151
		16QAM	1	#0	1	**22.04**	**0.161**
			1	#Mid	1	21.81	0.153
			1	#Max	1	21.81	0.153
			50%	#0	2	20.93	0.125
			50%	#Mid	2	20.7	0.118
			50%	#Max	2	20.77	0.120
			100%	--	2	20.85	0.123
	19150	QPSK	1	#0	0	**23.01**	**0.201**
			1	#Mid	0	22.84	0.193
			1	#Max	0	22.79	0.191
			50%	#0	1	22.07	0.162
			50%	#Mid	1	21.98	0.159
			50%	#Max	1	21.93	0.157
			100%	--	1	22.03	0.161
		16QAM	1	#0	1	**22.27**	**0.170**
			1	#Mid	1	22.07	0.162
			1	#Max	1	22.05	0.161
			50%	#0	2	21.1	0.130
			50%	#Mid	2	21.03	0.128
			50%	#Max	2	20.98	0.126
			100%	--	2	21.09	0.130

Band	Channel	Modula-tion	RB No.	RB Offset	MPR	Max Power (Conducted)	Max Power (W)
Band 2 (1900MHz)/15MHz	18675	QPSK	1	#0	0	**22.98**	**0.200**
			1	#Mid	0	22.78	0.191
			1	#Max	0	22.65	0.185
			50%	#0	1	22.2	0.167
			50%	#Mid	1	21.93	0.157
			50%	#Max	1	22.01	0.160
			100%	--	1	22.09	0.163
		16QAM	1	#0	1	**22.03**	**0.161**
			1	#Mid	1	21.72	0.150
			1	#Max	1	21.68	0.148
			50%	#0	2	21.3	0.136
			50%	#Mid	2	21.01	0.127
			50%	#Max	2	21.08	0.129
			100%	--	2	21.15	0.131
	18900	QPSK	1	#0	0	**22.6**	**0.183**
			1	#Mid	0	22.57	0.182
			1	#Max	0	22.4	0.175
			50%	#0	1	21.97	0.158
			50%	#Mid	1	21.68	0.148
			50%	#Max	1	21.8	0.152
			100%	--	1	21.88	0.155
		16QAM	1	#0	1	**22.08**	**0.162**
			1	#Mid	1	21.84	0.154
			1	#Max	1	21.71	0.149
			50%	#0	2	21.01	0.127
			50%	#Mid	2	20.74	0.120
			50%	#Max	2	20.68	0.118
			100%	--	2	20.96	0.126
	19125	QPSK	1	#0	0	**22.68**	**0.186**
			1	#Mid	0	22.61	0.183
			1	#Max	0	22.33	0.172
			50%	#0	1	22.03	0.161
			50%	#Mid	1	21.86	0.154
			50%	#Max	1	21.9	0.156
			100%	--	1	21.98	0.159
		16QAM	1	#0	1	**22.04**	**0.161**
			1	#Mid	1	21.86	0.154
			1	#Max	1	21.73	0.150
			50%	#0	2	21.09	0.130
			50%	#Mid	2	21	0.127
			50%	#Max	2	21	0.127
			100%	--	2	21.1	0.130

Band	Channel	Modula-tion	RB No.	RB Offset	MPR	Max Power (Conducted)	Max Power (W)
Band 2 (1900MHz)/20MHz	18700	QPSK	1	#0	0	22.67	0.186
			1	#Mid	0	**22.7**	**0.187**
			1	#Max	0	22.17	0.166
			50%	#0	1	22.17	0.166
			50%	#Mid	1	21.95	0.158
			50%	#Max	1	21.82	0.153
			100%	--	1	22.09	0.163
		16QAM	1	#0	1	**21.93**	**0.157**
			1	#Mid	1	21.86	0.154
			1	#Max	1	21.37	0.138
			50%	#0	2	21.25	0.134
			50%	#Mid	2	20.95	0.125
			50%	#Max	2	21	0.127
			100%	--	2	21.12	0.130
	18900	QPSK	1	#0	0	**22.88**	**0.195**
			1	#Mid	0	22.8	0.192
			1	#Max	0	22.37	0.174
			50%	#0	1	22.23	0.168
			50%	#Mid	1	21.94	0.157
			50%	#Max	1	21.94	0.157
			100%	--	1	22.12	0.164
		16QAM	1	#0	1	**22.08**	**0.162**
			1	#Mid	1	21.98	0.159
			1	#Max	1	21.63	0.147
			50%	#0	2	21.25	0.134
			50%	#Mid	2	20.83	0.122
			50%	#Max	2	20.95	0.125
			100%	--	2	21.15	0.131
	19100	QPSK	1	#0	0	22.63	0.184
			1	#Mid	0	**22.71**	**0.188**
			1	#Max	0	22.17	0.166
			50%	#0	1	22.04	0.161
			50%	#Mid	1	21.91	0.156
			50%	#Max	1	21.87	0.155
			100%	--	1	21.94	0.157
		16QAM	1	#0	1	21.47	0.141
			1	#Mid	1	**21.56**	**0.144**
			1	#Max	1	21.41	0.139
			50%	#0	2	21.34	0.137
			50%	#Mid	2	21.04	0.128
			50%	#Max	2	21.09	0.130
			100%	--	2	21.19	0.133

Band	Channel	Modula-tion	RB No.	RB Offset	MPR	Max Power (Conducted)	Max Power (W)
Band 4 (1700MHz)/1.4MHz	19957	QPSK	1	#0	0	**22.99**	**0.200**
			1	#Mid	0	22.53	0.180
			1	#Max	0	22.96	0.199
			50%	#0	1	22.87	0.195
			50%	#Mid	1	22.79	0.191
			50%	#Max	1	22.84	0.193
			100%	--	1	21.73	0.150
		16QAM	1	#0	1	22.09	0.163
			1	#Mid	1	21.85	0.154
			1	#Max	1	**22.2**	**0.167**
			50%	#0	2	21.91	0.156
			50%	#Mid	2	21.75	0.151
			50%	#Max	2	21.9	0.156
			100%	--	2	20.73	0.119
	20175	QPSK	1	#0	0	22.98	0.200
			1	#Mid	0	22.58	0.182
			1	#Max	0	**22.99**	**0.200**
			50%	#0	1	22.94	0.198
			50%	#Mid	1	22.84	0.193
			50%	#Max	1	22.82	0.192
			100%	--	1	21.87	0.155
		16QAM	1	#0	1	22.43	0.176
			1	#Mid	1	22	0.159
			1	#Max	1	**22.45**	**0.177**
			50%	#0	2	21.88	0.155
			50%	#Mid	2	21.62	0.146
			50%	#Max	2	21.78	0.152
			100%	--	2	20.82	0.122
	20393	QPSK	1	#0	0	**22.83**	**0.193**
			1	#Mid	0	22.41	0.175
			1	#Max	0	22.82	0.192
			50%	#0	1	22.72	0.188
			50%	#Mid	1	22.57	0.182
			50%	#Max	1	22.75	0.189
			100%	--	1	21.61	0.146
		16QAM	1	#0	1	22.2	0.167
			1	#Mid	1	21.73	0.150
			1	#Max	1	**22.24**	**0.168**
			50%	#0	2	21.67	0.148
			50%	#Mid	2	21.41	0.139
			50%	#Max	2	21.54	0.144
			100%	--	2	20.6	0.116

Band	Channel	Modula-tion	RB No.	RB Offset	MPR	Max Power (Conducted)	Max Power (W)
Band 4 (1700MHz)/3MHz	19965	QPSK	1	#0	0	22.91	0.196
			1	#Mid	0	**23.04**	**0.202**
			1	#Max	0	22.89	0.196
			50%	#0	1	21.85	0.154
			50%	#Mid	1	21.87	0.155
			50%	#Max	1	21.87	0.155
			100%	--	1	21.87	0.155
		16QAM	1	#0	1	22.28	0.170
			1	#Mid	1	**22.35**	**0.173**
			1	#Max	1	22.2	0.167
			50%	#0	2	20.87	0.123
			50%	#Mid	2	20.77	0.120
			50%	#Max	2	20.84	0.122
			100%	--	2	20.8	0.121
	20175	QPSK	1	#0	0	22.9	0.196
			1	#Mid	0	**23**	**0.201**
			1	#Max	0	22.94	0.198
			50%	#0	1	21.94	0.157
			50%	#Mid	1	21.87	0.155
			50%	#Max	1	21.88	0.155
			100%	--	1	21.91	0.156
		16QAM	1	#0	1	22.15	0.165
			1	#Mid	1	**22.28**	**0.170**
			1	#Max	1	22.12	0.164
			50%	#0	2	20.82	0.122
			50%	#Mid	2	20.68	0.118
			50%	#Max	2	20.7	0.118
			100%	--	2	20.79	0.121
	20385	QPSK	1	#0	0	**22.83**	**0.193**
			1	#Mid	0	22.82	0.192
			1	#Max	0	22.78	0.191
			50%	#0	1	21.83	0.153
			50%	#Mid	1	21.79	0.152
			50%	#Max	1	21.73	0.150
			100%	--	1	21.79	0.152
		16QAM	1	#0	1	21.98	0.159
			1	#Mid	1	**21.98**	**0.159**
			1	#Max	1	21.86	0.154
			50%	#0	2	20.72	0.119
			50%	#Mid	2	20.71	0.119
			50%	#Max	2	20.71	0.119
			100%	--	2	20.63	0.117

Band	Channel	Modula-tion	RB No.	RB Offset	MPR	Max Power (Conducted)	Max Power (W)
Band 4 (1700MHz)/5MHz	19975	QPSK	1	#0	0	22.69	0.187
			1	#Mid	0	**22.7**	**0.187**
			1	#Max	0	22.57	0.182
			50%	#0	1	21.81	0.153
			50%	#Mid	1	21.76	0.151
			50%	#Max	1	21.77	0.151
			100%	--	1	21.74	0.150
		16QAM	1	#0	1	**21.84**	0.154
			1	#Mid	1	**21.84**	0.154
			1	#Max	1	21.74	0.150
			50%	#0	2	20.72	0.119
			50%	#Mid	2	20.67	0.118
			50%	#Max	2	20.66	0.117
			100%	--	2	20.7	0.118
	20175	QPSK	1	#0	0	22.84	0.193
			1	#Mid	0	**22.84**	**0.193**
			1	#Max	0	22.71	0.188
			50%	#0	1	21.87	0.155
			50%	#Mid	1	21.85	0.154
			50%	#Max	1	21.85	0.154
			100%	--	1	21.86	0.154
		16QAM	1	#0	1	22.15	0.165
			1	#Mid	1	**22.27**	**0.170**
			1	#Max	1	22.15	0.165
			50%	#0	2	20.8	0.121
			50%	#Mid	2	20.75	0.120
			50%	#Max	2	20.72	0.119
			100%	--	2	20.75	0.120
	20375	QPSK	1	#0	0	22.64	0.185
			1	#Mid	0	**22.64**	**0.185**
			1	#Max	0	22.52	0.180
			50%	#0	1	21.76	0.151
			50%	#Mid	1	21.76	0.151
			50%	#Max	1	21.67	0.148
			100%	--	1	21.7	0.149
		16QAM	1	#0	1	21.93	0.157
			1	#Mid	1	**22.02**	**0.160**
			1	#Max	1	21.86	0.154
			50%	#0	2	20.65	0.117
			50%	#Mid	2	20.61	0.116
			50%	#Max	2	20.59	0.116
			100%	--	2	20.63	0.117

Band	Channel	Modula-tion	RB No.	RB Offset	MPR	Max Power (Conducted)	Max Power (W)
Band 4 (1700MHz)/10MHz	20000	QPSK	1	#0	0	22.88	0.195
			1	#Mid	0	**22.9**	**0.196**
			1	#Max	0	22.75	0.189
			50%	#0	1	21.89	0.156
			50%	#Mid	1	21.86	0.154
			50%	#Max	1	21.78	0.152
			100%	--	1	21.84	0.154
		16QAM	1	#0	1	**22.32**	**0.172**
			1	#Mid	1	22.31	0.171
			1	#Max	1	22.15	0.165
			50%	#0	2	20.75	0.120
			50%	#Mid	2	20.7	0.118
			50%	#Max	2	20.63	0.117
			100%	--	2	20.71	0.119
	20175	QPSK	1	#0	0	**22.94**	**0.198**
			1	#Mid	0	22.92	0.197
			1	#Max	0	22.74	0.189
			50%	#0	1	21.96	0.158
			50%	#Mid	1	21.92	0.157
			50%	#Max	1	21.85	0.154
			100%	--	1	21.87	0.155
		16QAM	1	#0	1	**22.09**	**0.163**
			1	#Mid	1	22.06	0.162
			1	#Max	1	21.88	0.155
			50%	#0	2	20.83	0.122
			50%	#Mid	2	20.77	0.120
			50%	#Max	2	20.69	0.118
			100%	--	2	20.77	0.120
	20350	QPSK	1	#0	0	**23.09**	**0.205**
			1	#Mid	0	22.94	0.198
			1	#Max	0	22.82	0.192
			50%	#0	1	21.9	0.156
			50%	#Mid	1	21.81	0.153
			50%	#Max	1	21.76	0.151
			100%	--	1	21.83	0.153
		16QAM	1	#0	1	**22.03**	**0.161**
			1	#Mid	1	21.81	0.153
			1	#Max	1	21.71	0.149
			50%	#0	2	20.82	0.122
			50%	#Mid	2	20.73	0.119
			50%	#Max	2	20.67	0.118
			100%	--	2	20.79	0.121

Band	Channel	Modula-tion	RB No.	RB Offset	MPR	Max Power (Conducted)	Max Power (W)
Band 4 (1700MHz)/15MHz	20025	QPSK	1	#0	0	**22.65**	**0.185**
			1	#Mid	0	22.61	0.183
			1	#Max	0	22.33	0.172
			50%	#0	1	21.89	0.156
			50%	#Mid	1	21.74	0.150
			50%	#Max	1	21.76	0.151
			100%	--	1	21.83	0.153
		16QAM	1	#0	1	**21.77**	**0.151**
			1	#Mid	1	21.7	0.149
			1	#Max	1	21.5	0.142
			50%	#0	2	20.8	0.121
			50%	#Mid	2	20.64	0.117
			50%	#Max	2	20.66	0.117
			100%	--	2	20.76	0.120
	20175	QPSK	1	#0	0	**22.82**	**0.192**
			1	#Mid	0	22.62	0.184
			1	#Max	0	22.43	0.176
			50%	#0	1	22.08	0.162
			50%	#Mid	1	21.83	0.153
			50%	#Max	1	21.84	0.154
			100%	--	1	21.87	0.155
		16QAM	1	#0	1	**22.11**	**0.164**
			1	#Mid	1	22.09	0.163
			1	#Max	1	21.72	0.150
			50%	#0	2	20.89	0.124
			50%	#Mid	2	20.67	0.118
			50%	#Max	2	20.67	0.118
			100%	--	2	20.82	0.122
	20325	QPSK	1	#0	0	**22.68**	**0.186**
			1	#Mid	0	22.62	0.184
			1	#Max	0	22.2	0.167
			50%	#0	1	21.96	0.158
			50%	#Mid	1	21.74	0.150
			50%	#Max	1	21.73	0.150
			100%	--	1	21.84	0.154
		16QAM	1	#0	1	**21.66**	**0.148**
			1	#Mid	1	21.57	0.145
			1	#Max	1	21.32	0.137
			50%	#0	2	20.83	0.122
			50%	#Mid	2	20.59	0.116
			50%	#Max	2	20.55	0.115
			100%	--	2	20.66	0.117

Band	Channel	Modula-tion	RB No.	RB Offset	MPR	Max Power (Conducted)	Max Power (W)
Band 4 (1700MHz)/20MHz	20050	QPSK	1	#0	0	22.43	0.176
			1	#Mid	0	**22.6**	**0.183**
			1	#Max	0	22.01	0.160
			50%	#0	1	21.95	0.158
			50%	#Mid	1	21.79	0.152
			50%	#Max	1	21.73	0.150
			100%	--	1	21.85	0.154
		16QAM	1	#0	1	21.57	0.145
			1	#Mid	1	21.85	0.154
			1	#Max	1	21.16	0.132
			50%	#0	2	20.87	0.123
			50%	#Mid	2	20.69	0.118
			50%	#Max	2	20.56	0.115
			100%	--	2	20.73	0.119
	20175	QPSK	1	#0	0	22.57	0.182
			1	#Mid	0	**22.61**	**0.183**
			1	#Max	0	22.13	0.164
			50%	#0	1	22.05	0.161
			50%	#Mid	1	21.86	0.154
			50%	#Max	1	21.87	0.155
			100%	--	1	22.01	0.160
		16QAM	1	#0	1	**21.65**	**0.147**
			1	#Mid	1	21.63	0.147
			1	#Max	1	21.06	0.129
			50%	#0	2	20.96	0.126
			50%	#Mid	2	20.72	0.119
			50%	#Max	2	20.69	0.118
			100%	--	2	20.81	0.122
	20300	QPSK	1	#0	0	**22.62**	**0.184**
			1	#Mid	0	22.59	0.183
			1	#Max	0	22.01	0.160
			50%	#0	1	22.12	0.164
			50%	#Mid	1	21.79	0.152
			50%	#Max	1	21.71	0.149
			100%	--	1	21.88	0.155
		16QAM	1	#0	1	**21.86**	**0.154**
			1	#Mid	1	21.79	0.152
			1	#Max	1	21.3	0.136
			50%	#0	2	20.93	0.125
			50%	#Mid	2	20.72	0.119
			50%	#Max	2	20.64	0.117
			100%	--	2	20.79	0.121

Band	Channel	Modula-tion	RB No.	RB Offset	MPR	Max Power (Conducted)	Max Power (W)
Band 5 (850MHz)/1.4MHz	20407	QPSK	1	#0	0	22.83	0.193
			1	#Mid	0	22.48	0.178
			1	#Max	0	**22.85**	**0.194**
			50%	#0	1	22.78	0.191
			50%	#Mid	1	22.69	0.187
			50%	#Max	1	22.8	0.192
			100%	--	1	21.73	0.150
		16QAM	1	#0	1	**22.05**	**0.161**
			1	#Mid	1	21.58	0.145
			1	#Max	1	22.02	0.160
			50%	#0	2	21.84	0.154
			50%	#Mid	2	21.7	0.149
			50%	#Max	2	21.85	0.154
			100%	--	2	20.74	0.120
	20525	QPSK	1	#0	0	22.58	0.182
			1	#Mid	0	22.21	0.167
			1	#Max	0	**22.79**	**0.191**
			50%	#0	1	22.65	0.185
			50%	#Mid	1	22.47	0.178
			50%	#Max	1	22.68	0.186
			100%	--	1	21.54	0.144
		16QAM	1	#0	1	21.91	0.156
			1	#Mid	1	21.58	0.145
			1	#Max	1	**21.96**	**0.158**
			50%	#0	2	21.73	0.150
			50%	#Mid	2	21.56	0.144
			50%	#Max	2	21.55	0.144
			100%	--	2	20.52	0.114
	20643	QPSK	1	#0	0	**22.52**	**0.180**
			1	#Mid	0	22.13	0.164
			1	#Max	0	22.51	0.179
			50%	#0	1	22.39	0.174
			50%	#Mid	1	22.3	0.171
			50%	#Max	1	22.44	0.176
			100%	--	1	21.44	0.140
		16QAM	1	#0	1	21.91	0.156
			1	#Mid	1	21.57	0.145
			1	#Max	1	**21.91**	**0.156**
			50%	#0	2	21.48	0.142
			50%	#Mid	2	21.28	0.135
			50%	#Max	2	21.46	0.141
			100%	--	2	20.5	0.113

Band	Channel	Modula-tion	RB No.	RB Offset	MPR	Max Power (Conducted)	Max Power (W)
Band 5 (850MHz)/3MHz	20415	QPSK	1	#0	0	22.47	0.178
			1	#Mid	0	**22.65**	**0.185**
			1	#Max	0	22.38	0.174
			50%	#0	1	21.49	0.142
			50%	#Mid	1	21.42	0.140
			50%	#Max	1	21.39	0.139
			100%	--	1	21.38	0.138
		16QAM	1	#0	1	**21.63**	**0.147**
			1	#Mid	1	21.59	0.145
			1	#Max	1	21.45	0.141
			50%	#0	2	20.49	0.113
			50%	#Mid	2	20.57	0.115
			50%	#Max	2	20.54	0.114
			100%	--	2	20.54	0.114
	20525	QPSK	1	#0	0	22.69	0.187
			1	#Mid	0	**22.82**	**0.192**
			1	#Max	0	22.66	0.186
			50%	#0	1	21.67	0.148
			50%	#Mid	1	21.64	0.147
			50%	#Max	1	21.61	0.146
			100%	--	1	21.61	0.146
		16QAM	1	#0	1	**21.9**	**0.156**
			1	#Mid	1	21.79	0.152
			1	#Max	1	21.77	0.151
			50%	#0	2	20.29	0.108
			50%	#Mid	2	20.28	0.108
			50%	#Max	2	20.53	0.114
			100%	--	2	20.23	0.106
	20635	QPSK	1	#0	0	**22.41**	**0.175**
			1	#Mid	0	22.43	0.176
			1	#Max	0	22.31	0.171
			50%	#0	1	21.35	0.137
			50%	#Mid	1	21.29	0.136
			50%	#Max	1	**22.41**	**0.175**
			100%	--	1	21.3	0.136
		16QAM	1	#0	1	21.82	0.153
			1	#Mid	1	**21.85**	**0.154**
			1	#Max	1	21.68	0.148
			50%	#0	2	20.54	0.114
			50%	#Mid	2	20.5	0.113
			50%	#Max	2	20.48	0.113
			100%	--	2	20.51	0.113

Band	Channel	Modula-tion	RB No.	RB Offset	MPR	Max Power (Conducted)	Max Power (W)
Band 5 (850MHz)/5MHz	20425	QPSK	1	#0	0	22.38	0.174
			1	#Mid	0	**22.44**	**0.176**
			1	#Max	0	22.27	0.170
			50%	#0	1	21.5	0.142
			50%	#Mid	1	21.46	0.141
			50%	#Max	1	21.39	0.139
			100%	--	1	21.43	0.140
		16QAM	1	#0	1	21.65	0.147
			1	#Mid	1	**21.84**	**0.154**
			1	#Max	1	21.48	0.142
			50%	#0	2	20.48	0.113
			50%	#Mid	2	20.46	0.112
			50%	#Max	2	20.39	0.110
			100%	--	2	20.33	0.109
	20525	QPSK	1	#0	0	**22.11**	**0.164**
			1	#Mid	0	22.01	0.160
			1	#Max	0	22.06	0.162
			50%	#0	1	21.07	0.129
			50%	#Mid	1	21.22	0.133
			50%	#Max	1	21.14	0.131
			100%	--	1	21.17	0.132
		16QAM	1	#0	1	21.1	0.130
			1	#Mid	1	**21.33**	**0.137**
			1	#Max	1	21.13	0.131
			50%	#0	2	20.05	0.102
			50%	#Mid	2	20.06	0.102
			50%	#Max	2	19.9	0.099
			100%	--	2	19.97	0.100
	20625	QPSK	1	#0	0	22.17	0.166
			1	#Mid	0	**22.26**	**0.169**
			1	#Max	0	21.83	0.153
			50%	#0	1	21.09	0.130
			50%	#Mid	1	20.95	0.125
			50%	#Max	1	20.9	0.124
			100%	--	1	21.1	0.130
		16QAM	1	#0	1	21.06	0.129
			1	#Mid	1	**21.14**	**0.131**
			1	#Max	1	20.73	0.119
			50%	#0	2	20.11	0.104
			50%	#Mid	2	19.99	0.101
			50%	#Max	2	20.01	0.101
			100%	--	2	20.14	0.104

Band	Channel	Modula-tion	RB No.	RB Offset	MPR	Max Power (Conducted)	Max Power (W)
Band 5 (850MHz)/10MHz	20450	QPSK	1	#0	0	**22.69**	**0.187**
			1	#Mid	0	22.62	0.184
			1	#Max	0	22.56	0.181
			50%	#0	1	21.73	0.150
			50%	#Mid	1	21.63	0.147
			50%	#Max	1	21.59	0.145
			100%	--	1	21.67	0.148
		16QAM	1	#0	1	**21.92**	**0.157**
			1	#Mid	1	21.83	0.153
			1	#Max	1	21.75	0.151
			50%	#0	2	20.74	0.120
			50%	#Mid	2	20.67	0.118
			50%	#Max	2	20.64	0.117
			100%	--	2	20.7	0.118
	20525	QPSK	1	#0	0	**22.77**	**0.190**
			1	#Mid	0	22.67	0.186
			1	#Max	0	22.56	0.181
			50%	#0	1	21.73	0.150
			50%	#Mid	1	21.69	0.149
			50%	#Max	1	21.63	0.147
			100%	--	1	21.65	0.147
		16QAM	1	#0	1	**21.57**	**0.145**
			1	#Mid	1	21.56	0.144
			1	#Max	1	21.56	0.144
			50%	#0	2	20.74	0.120
			50%	#Mid	2	20.68	0.118
			50%	#Max	2	20.66	0.117
			100%	--	2	20.75	0.120
	20600	QPSK	1	#0	0	**22.7**	**0.187**
			1	#Mid	0	22.52	0.180
			1	#Max	0	22.31	0.171
			50%	#0	1	21.61	0.146
			50%	#Mid	1	21.52	0.143
			50%	#Max	1	21.43	0.140
			100%	--	1	21.54	0.144
		16QAM	1	#0	1	**21.83**	**0.153**
			1	#Mid	1	21.7	0.149
			1	#Max	1	21.59	0.145
			50%	#0	2	20.63	0.117
			50%	#Mid	2	20.56	0.115
			50%	#Max	2	20.46	0.112
			100%	--	2	20.59	0.116

Band	Channel	Modula-tion	RB No.	RB Offset	MPR	Max Power (Conducted)	Max Power (W)
Band 17 (700MHz)/5MHz	23755	QPSK	1	#0	0	**22.75**	**0.189**
			1	#Mid	0	22.71	0.188
			1	#Max	0	22.75	0.189
			50%	#0	1	21.67	0.148
			50%	#Mid	1	21.6	0.146
			50%	#Max	1	21.63	0.147
			100%	--	1	21.67	0.148
		16QAM	1	#0	1	21.54	0.144
			1	#Mid	1	**21.61**	**0.146**
			1	#Max	1	21.42	0.140
			50%	#0	2	20.78	0.121
			50%	#Mid	2	20.75	0.120
			50%	#Max	2	20.79	0.121
			100%	--	2	20.75	0.120
	23790	QPSK	1	#0	0	22.39	0.174
			1	#Mid	0	**22.48**	**0.178**
			1	#Max	0	22.44	0.176
			50%	#0	1	21.56	0.144
			50%	#Mid	1	21.52	0.143
			50%	#Max	1	21.54	0.144
			100%	--	1	21.53	0.143
		16QAM	1	#0	1	21.63	0.147
			1	#Mid	1	**21.72**	**0.150**
			1	#Max	1	21.63	0.147
			50%	#0	2	20.62	0.116
			50%	#Mid	2	20.62	0.116
			50%	#Max	2	20.64	0.117
			100%	--	2	20.63	0.117
	23825	QPSK	1	#0	0	22.52	0.180
			1	#Mid	0	**22.66**	**0.186**
			1	#Max	0	22.54	0.180
			50%	#0	1	21.61	0.146
			50%	#Mid	1	21.62	0.146
			50%	#Max	1	21.63	0.147
			100%	--	1	21.64	0.147
		16QAM	1	#0	1	21.51	0.143
			1	#Mid	1	**21.57**	**0.145**
			1	#Max	1	21.44	0.140
			50%	#0	2	20.76	0.120
			50%	#Mid	2	20.75	0.120
			50%	#Max	2	20.77	0.120
			100%	--	2	20.76	0.120

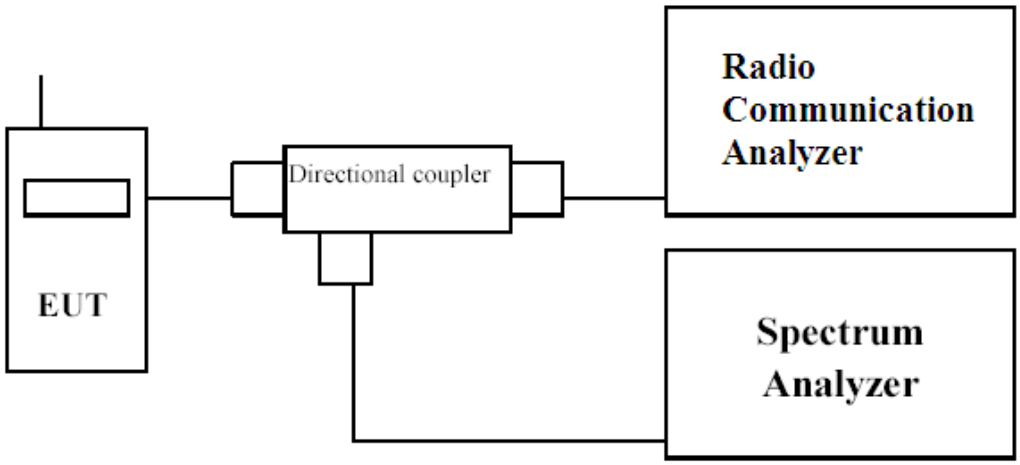
Band	Channel	Modula-tion	RB No.	RB Offset	MPR	Max Power (Conducted)	Max Power (W)
Band 17 (700MHz)/10MHz	23780	QPSK	1	#0	0	**22.82**	**0.192**
			1	#Mid	0	22.76	0.190
			1	#Max	0	22.68	0.186
			50%	#0	1	21.7	0.149
			50%	#Mid	1	21.59	0.145
			50%	#Max	1	21.76	0.151
			100%	--	1	21.74	0.150
		16QAM	1	#0	1	21.98	0.159
			1	#Mid	1	**22.09**	**0.163**
			1	#Max	1	21.9	0.156
			50%	#0	2	20.64	0.117
			50%	#Mid	2	20.75	0.120
			50%	#Max	2	20.79	0.121
			100%	--	2	20.7	0.118
	23790	QPSK	1	#0	0	22.6	0.183
			1	#Mid	0	22.6	0.183
			1	#Max	0	**22.62**	**0.184**
			50%	#0	1	21.61	0.146
			50%	#Mid	1	21.57	0.145
			50%	#Max	1	21.59	0.145
			100%	--	1	21.61	0.146
		16QAM	1	#0	1	21.93	0.157
			1	#Mid	1	**22.02**	**0.160**
			1	#Max	1	21.94	0.157
			50%	#0	2	20.71	0.119
			50%	#Mid	2	20.7	0.118
			50%	#Max	2	20.72	0.119
			100%	--	2	20.7	0.118
	23800	QPSK	1	#0	0	**22.79**	**0.191**
			1	#Mid	0	22.75	0.189
			1	#Max	0	22.78	0.191
			50%	#0	1	21.68	0.148
			50%	#Mid	1	21.6	0.146
			50%	#Max	1	21.68	0.148
			100%	--	1	21.79	0.152
		16QAM	1	#0	1	**21.73**	**0.150**
			1	#Mid	1	21.71	0.149
			1	#Max	1	21.59	0.145
			50%	#0	2	20.72	0.119
			50%	#Mid	2	20.78	0.121
			50%	#Max	2	20.78	0.121
			100%	--	2	20.7	0.118

4. Occupied Bandwidth

4.1. Test Secification

According to Part 2.1049, 22.917, 24.238, 27.53.

4.2. Test Setup



4.3. Test Procedure

The EUT is tested with maximum rated TX power via the Base Station simulator, and the occupied bandwidth was measured at the antenna terminals of the EUT.
The Resolution BW of the analyzer is set to 1 %~5% of the emission bandwidth. The EUT's occupied bandwidth is measured as the width of the signal between two points, one below the carrier center frequency and one above the carrier frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.
The plots below show the resultant display from the Spectrum Analyser.

4.4. Test Result of Occupied Bandwidth

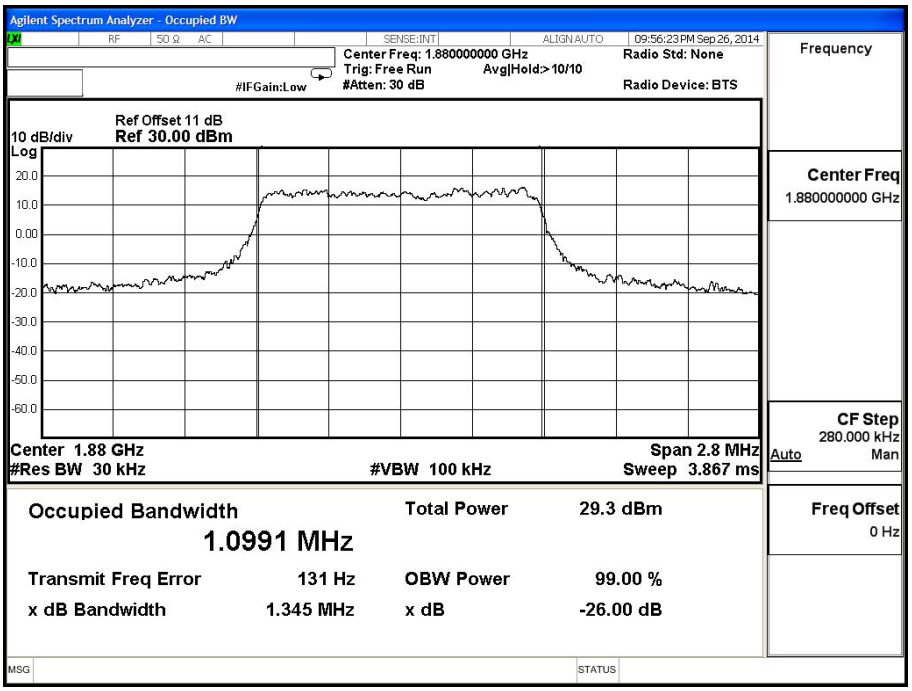
Product	Intel 7260M2NA
Test Mode	Occupied Bandwidth
Test Site	CTR

Test Mode	Channel	TX Frequency (MHz)	99% Occupied Bandwidth (MHz)	26 dB bandwidth (MHz)	Result
Band 2 1.4M QPSK	18900	1880	1.0991	1.345	Pass
Band 2 1.4M 16QAM	18900	1880	1.1011	1.353	Pass
Band 2 3M QPSK	18900	1880	2.7259	3.112	Pass
Band 2 3M 16QAM	18900	1880	2.7185	3.074	Pass
Band 2 5M QPSK	18900	1880	4.5074	5.094	Pass
Band 2 5M 16QAM	18900	1880	4.4928	5.080	Pass
Band 2 10M QPSK	18900	1880	9.0685	10.69	Pass
Band 2 10M 16QAM	18900	1880	9.0832	10.43	Pass
Band 2 15M QPSK	18900	1880	13.523	15.67	Pass
Band 2 15M 16QAM	18900	1880	13.510	15.68	Pass
Band 2 20M QPSK	18900	1880	18.689	21.54	Pass
Band 2 20M 16QAM	18900	1880	18.702	21.31	Pass
Band 4 1.4M QPSK	20175	1732.5	1.0897	1.298	Pass
Band 4 1.4M 16QAM	20175	1732.5	1.0974	1.324	Pass
Band 4 3M QPSK	20175	1732.5	2.7270	3.064	Pass
Band 4 3M 16QAM	20175	1732.5	2.7154	3.046	Pass
Band 4 5M QPSK	20175	1732.5	4.5021	5.102	Pass
Band 4 5M 16QAM	20175	1732.5	4.4820	5.028	Pass
Band 4 10M QPSK	20175	1732.5	9.0631	10.49	Pass
Band 4 10M 16QAM	20175	1732.5	9.0804	10.47	Pass
Band 4 15M QPSK	20175	1732.5	13.565	15.70	Pass
Band 4 15M 16QAM	20175	1732.5	13.542	15.67	Pass
Band 4 20M QPSK	20175	1732.5	18.779	21.55	Pass
Band 4 20M 16QAM	20175	1732.5	18.745	21.26	Pass

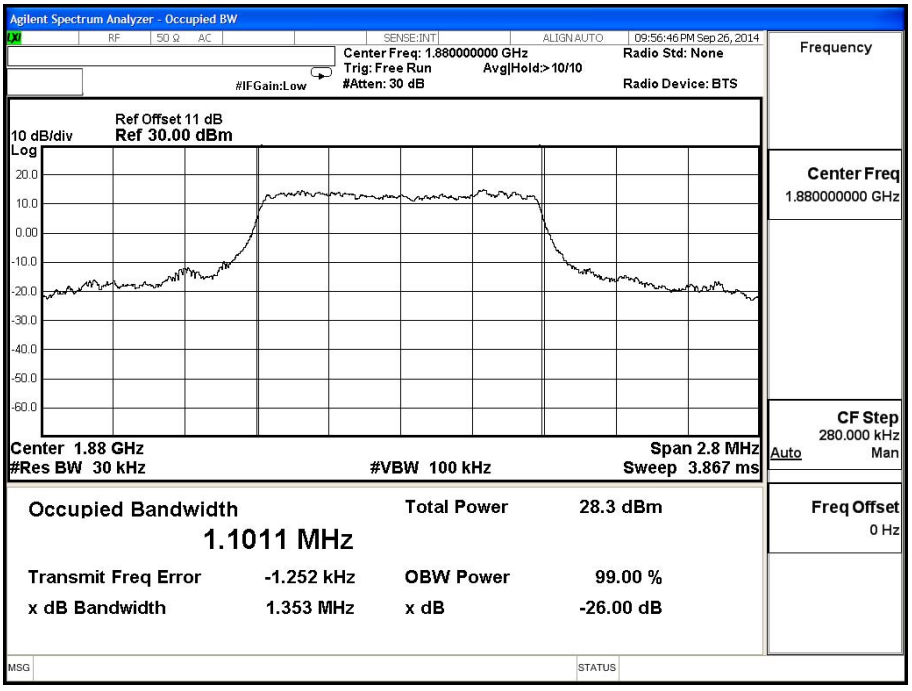
Test Mode	Channel	TX Frequency (MHz)	99% Occupied Bandwidth (MHz)	26 dB bandwidth (MHz)	Result
Band 5 1.4M QPSK	20525	836.5	1.0993	1.337	Pass
Band 5 1.4M 16QAM	20525	836.5	1.0978	1.312	Pass
Band 5 3M QPSK	20525	836.5	2.7278	3.080	Pass
Band 5 3M 16QAM	20525	836.5	2.7133	3.077	Pass
Band 5 5M QPSK	20525	836.5	4.5043	5.103	Pass
Band 5 5M 16QAM	20525	836.5	4.4863	5.035	Pass
Band 5 10M QPSK	20525	836.5	9.0797	10.47	Pass
Band 5 10M 16QAM	20525	836.5	9.0689	10.42	Pass
Band 17 5M QPSK	23790	710	4.5130	5.045	Pass
Band 17 5M 16QAM	23790	710	4.4941	4.986	Pass
Band 17 10M QPSK	23790	710	9.0860	10.62	Pass
Band 17 10M 16QAM	23790	710	9.0948	10.48	Pass

Product	Intel 7260M2NA		
Test Mode	Occupied Bandwidth		
Date of Test	2014/09/26	Test Site	CTR
Test Condition	Band 2 1.4M		

Band 2 1.4M QPSK - LTE Mode CH 18900

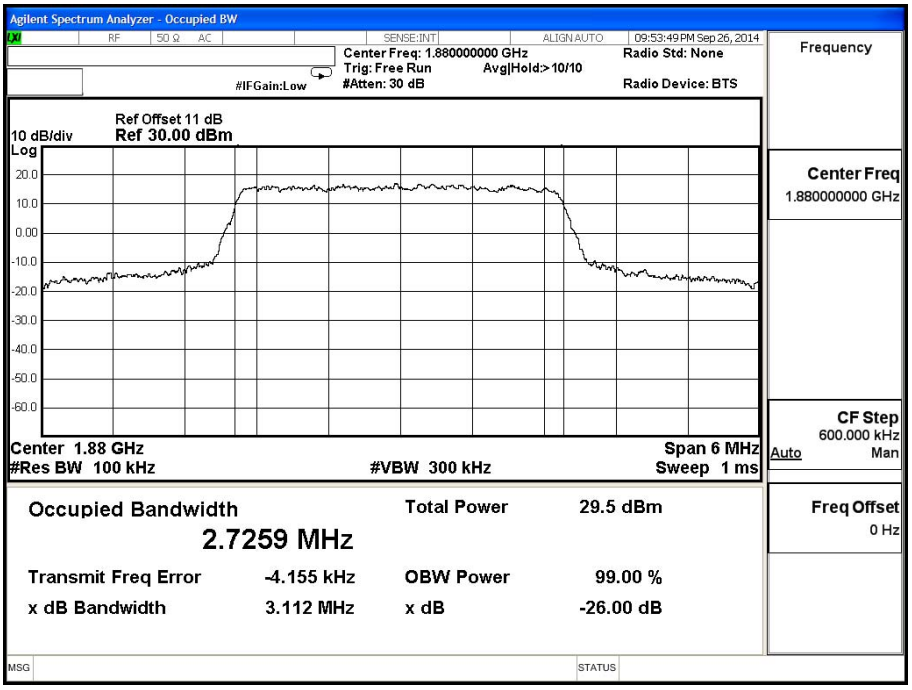


Band 2 1.4M 16QAM - LTE Mode CH18900

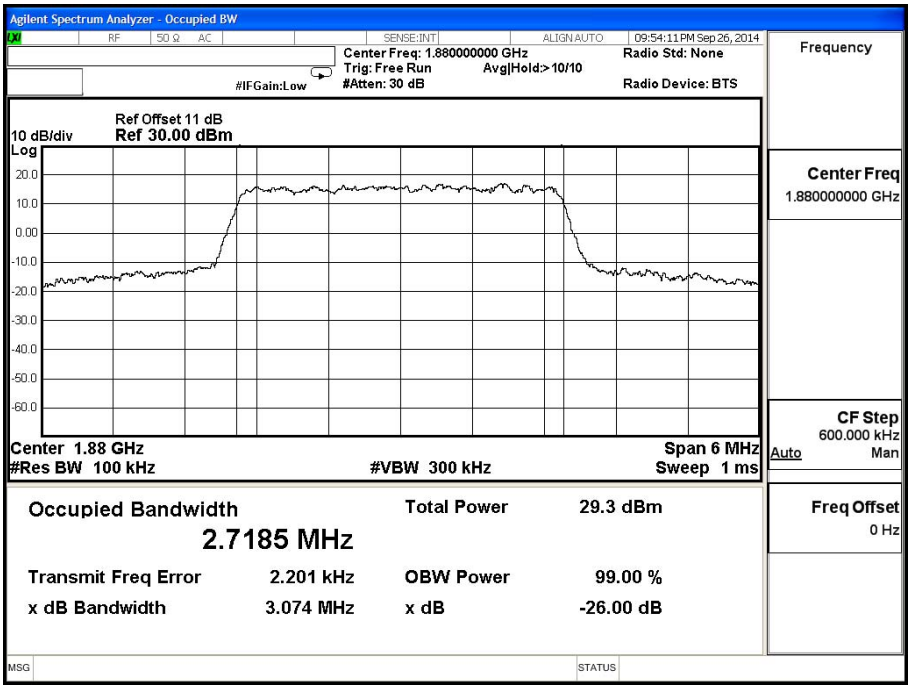


Product	Intel 7260M2NA		
Test Mode	Occupied Bandwidth		
Date of Test	2014/09/26	Test Site	CTR
Test Condition	Band 2 3M		

Band 2 3M QPSK - LTE Mode CH 18900

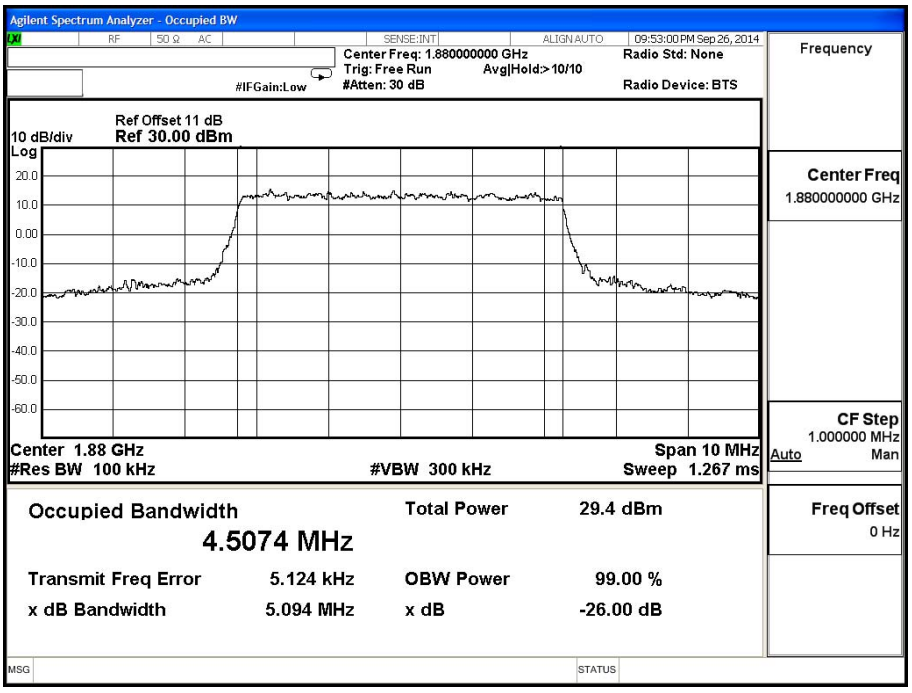


Band 2 3M 16QAM - LTE Mode CH18900

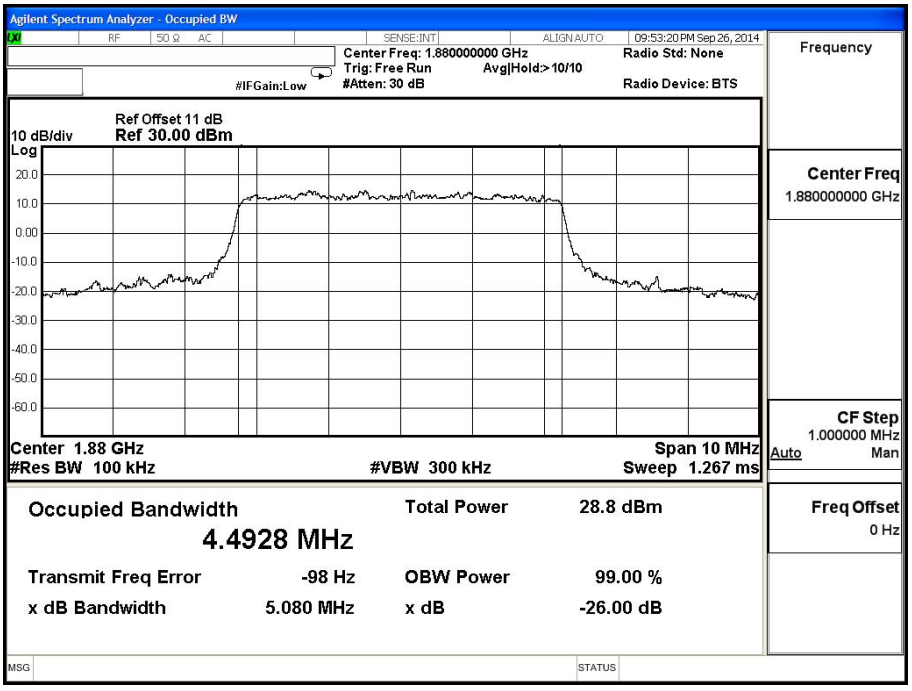


Product	Intel 7260M2NA		
Test Mode	Occupied Bandwidth		
Date of Test	2014/09/26	Test Site	CTR
Test Condition	Band 2 5M		

Band 2 5M QPSK - LTE Mode CH 18900

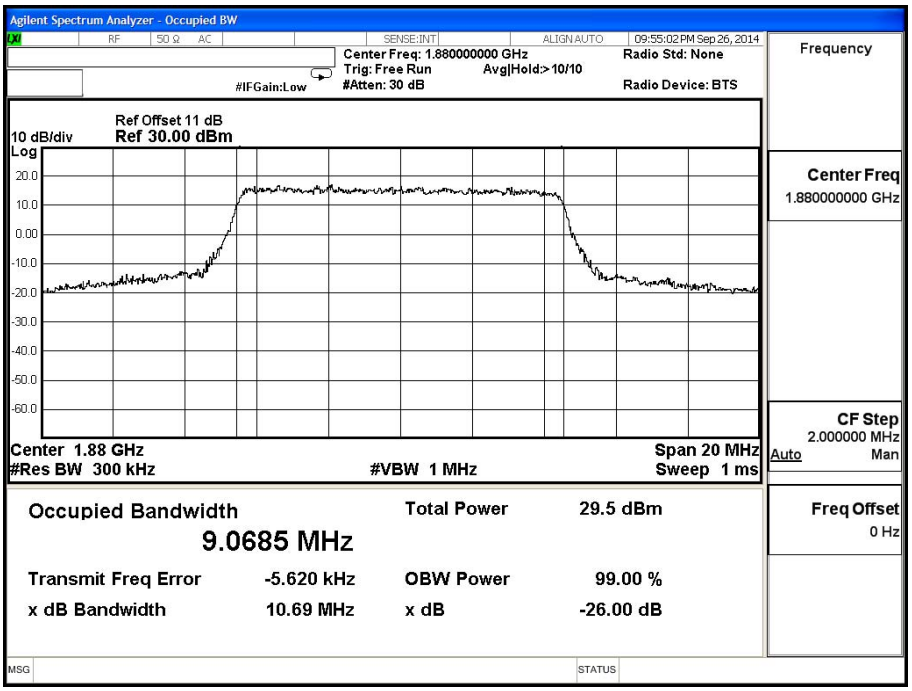


Band 2 5M 16QAM - LTE Mode CH18900

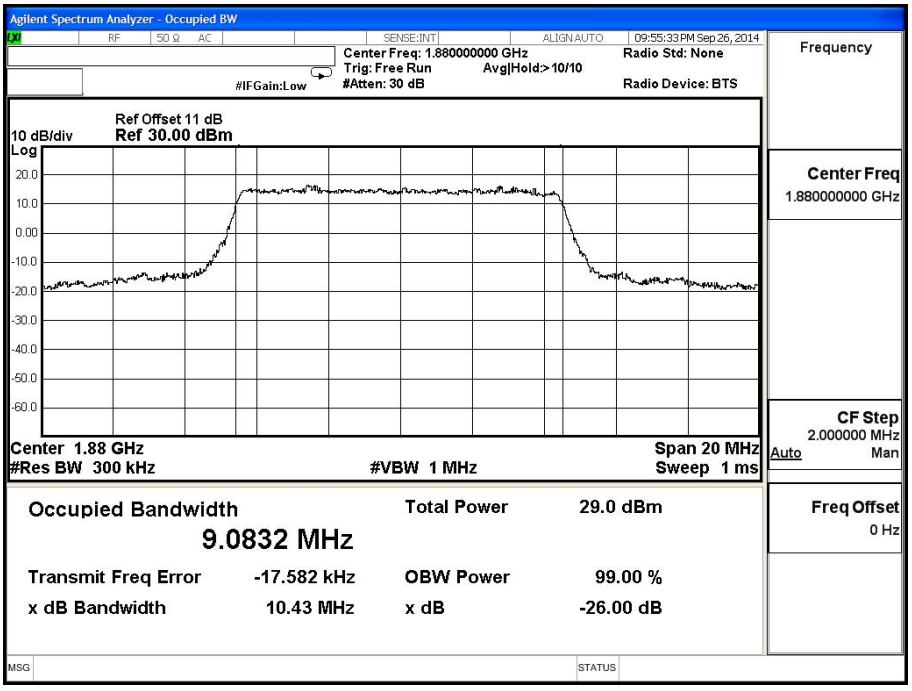


Product	Intel 7260M2NA		
Test Mode	Occupied Bandwidth		
Date of Test	2014/09/26	Test Site	CTR
Test Condition	Band 2 10M		

Band 2 10M QPSK - LTE Mode CH 18900

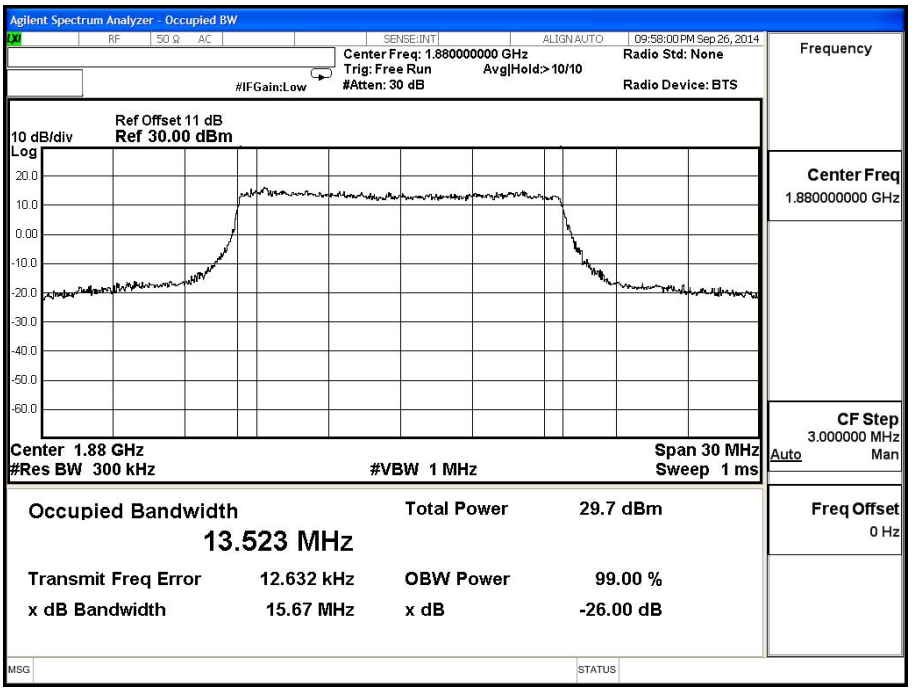


Band 2 10M 16QAM - LTE Mode CH18900

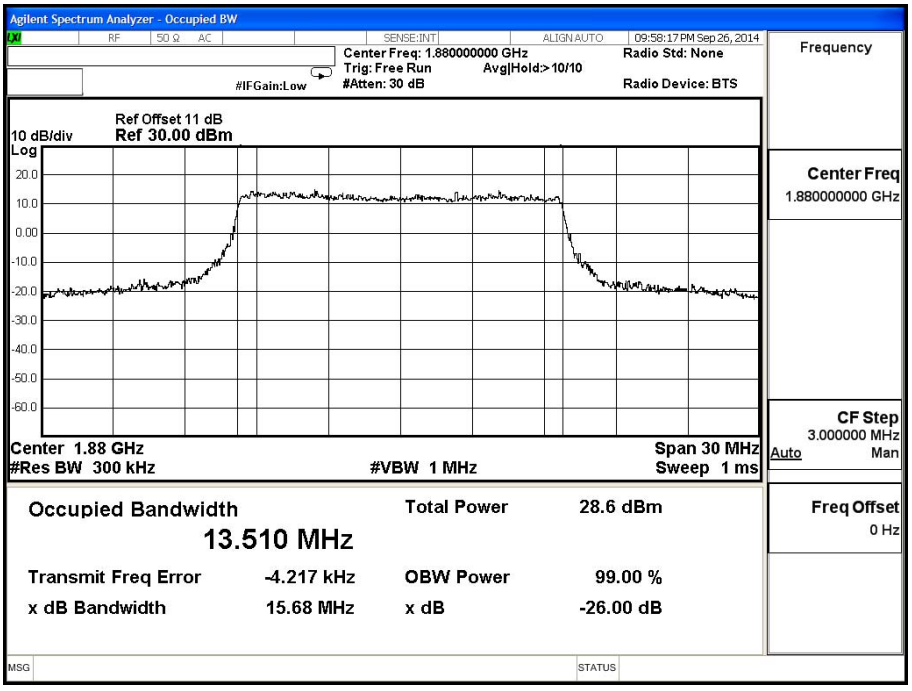


Product	Intel 7260M2NA		
Test Mode	Occupied Bandwidth		
Date of Test	2014/09/26	Test Site	CTR
Test Condition	Band 2 15M		

Band 2 15M QPSK - LTE Mode CH 18900

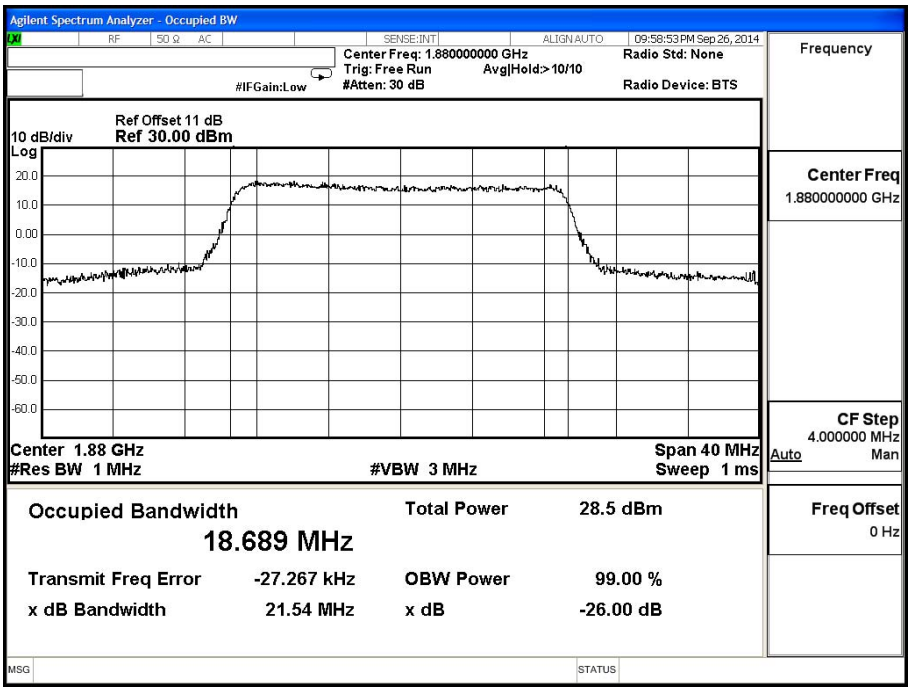


Band 2 15M 16QAM - LTE Mode CH18900

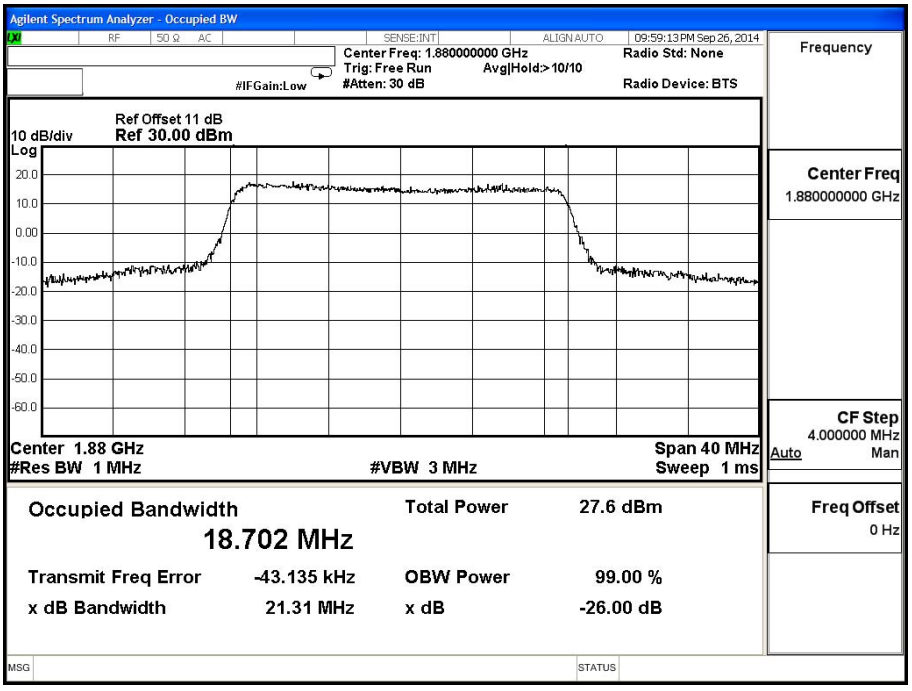


Product	Intel 7260M2NA		
Test Mode	Occupied Bandwidth		
Date of Test	2014/09/26	Test Site	CTR
Test Condition	Band 2 20M		

Band 2 20M QPSK - LTE Mode CH 18900

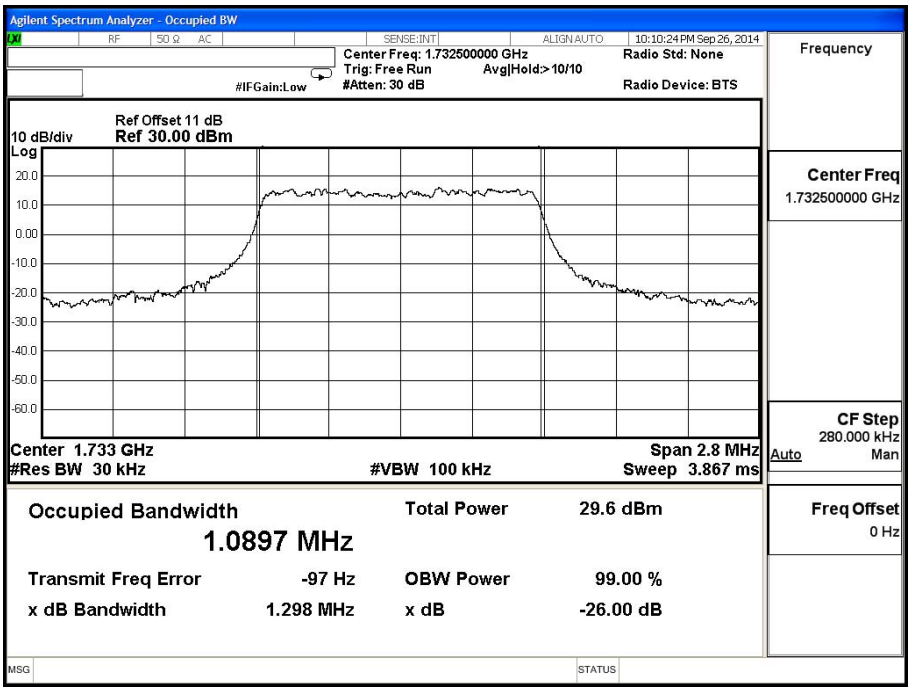


Band 2 20M 16QAM - LTE Mode CH18900

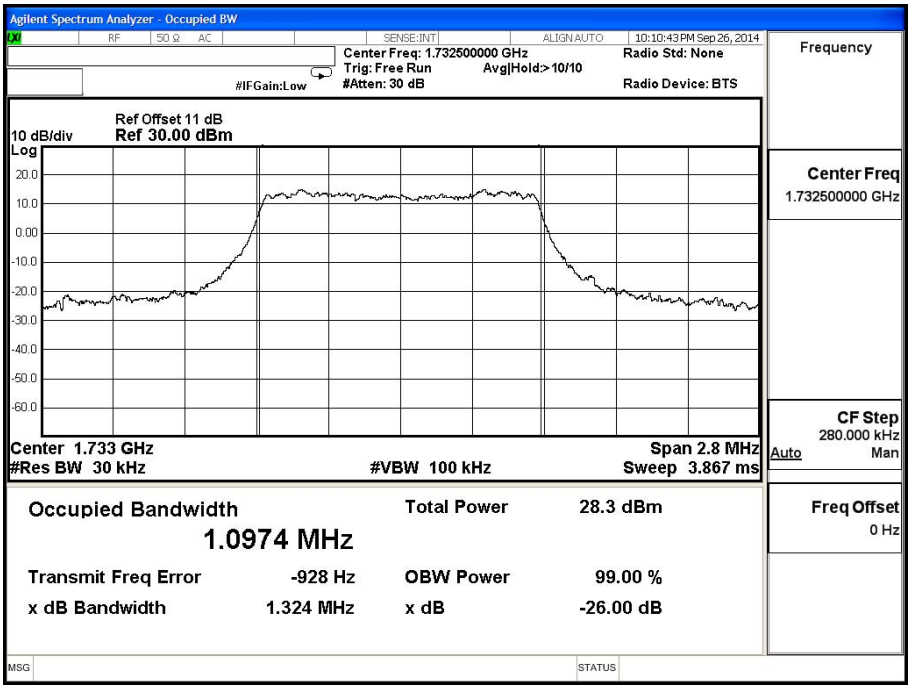


Product	Intel 7260M2NA		
Test Mode	Occupied Bandwidth		
Date of Test	2014/09/26	Test Site	CTR
Test Condition	Band 4 1.4M		

Band 4 1.4M QPSK - LTE Mode CH 20175

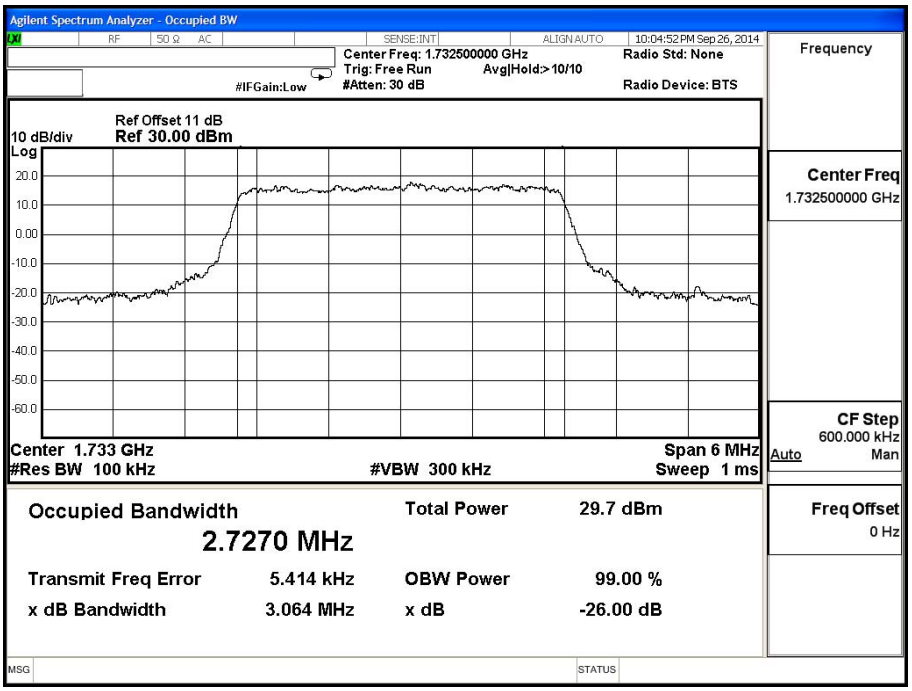


Band 4 1.4M 16QAM - LTE Mode CH20175

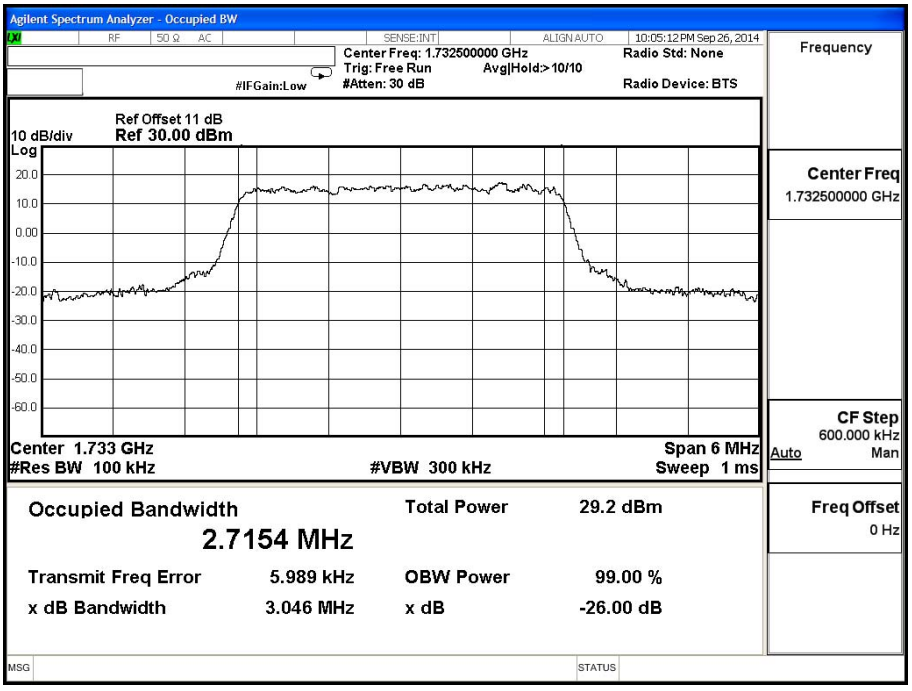


Product	Intel 7260M2NA		
Test Mode	Occupied Bandwidth		
Date of Test	2014/09/26	Test Site	CTR
Test Condition	Band 4 3M		

Band 4 3M QPSK - LTE Mode CH 20175

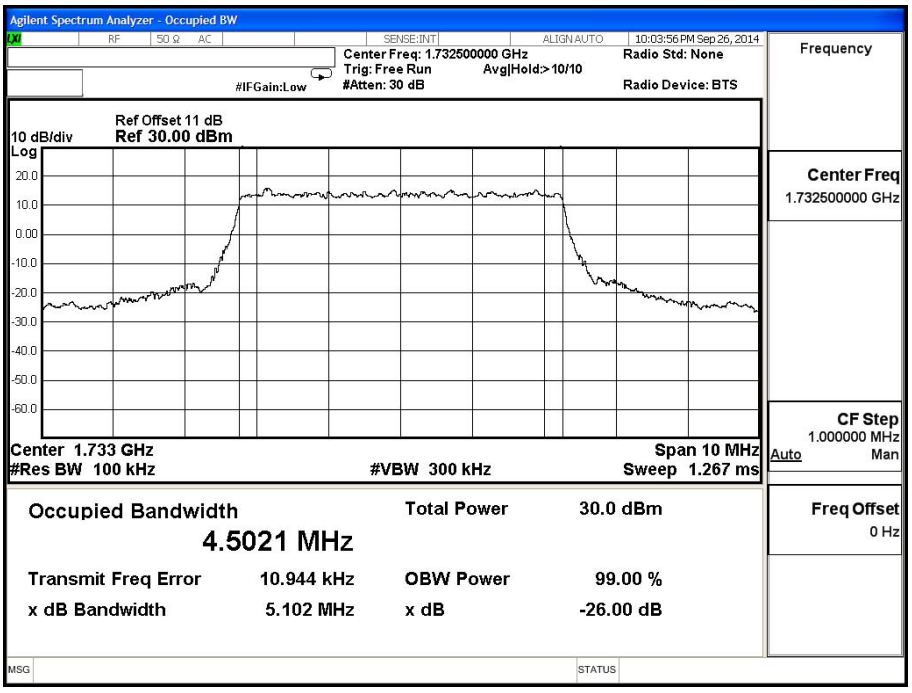


Band 4 3M 16QAM - LTE Mode CH20175

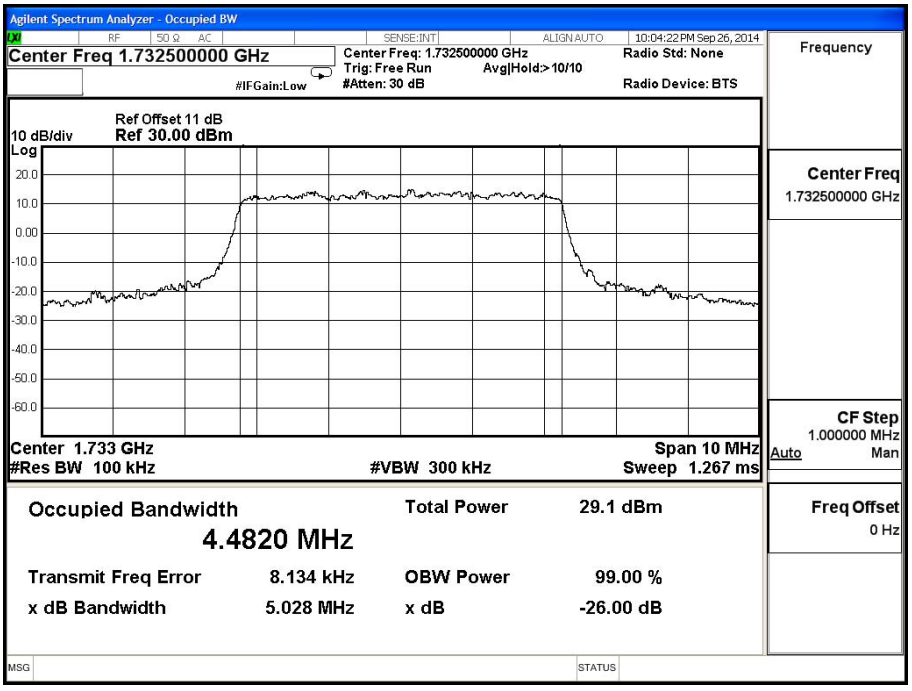


Product	Intel 7260M2NA		
Test Mode	Occupied Bandwidth		
Date of Test	2014/09/26	Test Site	CTR
Test Condition	Band 4 5M		

Band 4 5M QPSK - LTE Mode CH 20175

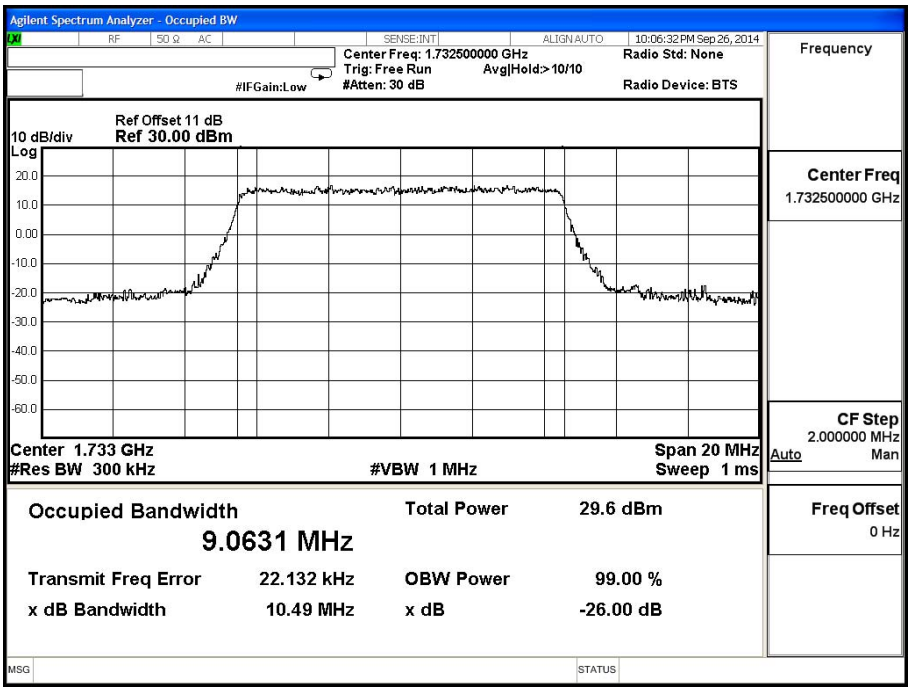


Band 4 5M 16QAM - LTE Mode CH20175

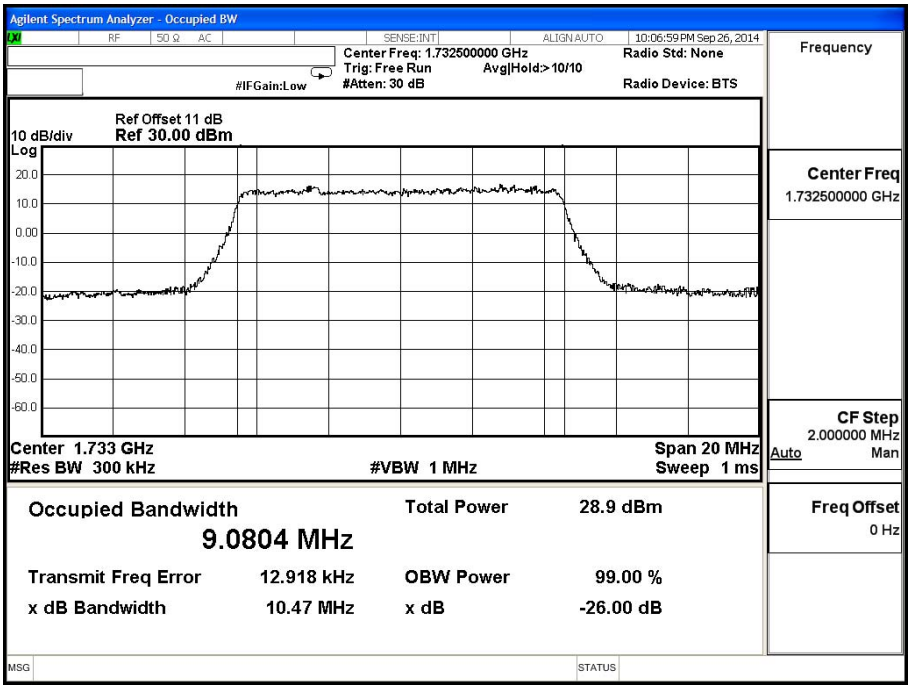


Product	Intel 7260M2NA		
Test Mode	Occupied Bandwidth		
Date of Test	2014/09/26	Test Site	CTR
Test Condition	Band 4 10M		

Band 4 10M QPSK - LTE Mode CH 20175

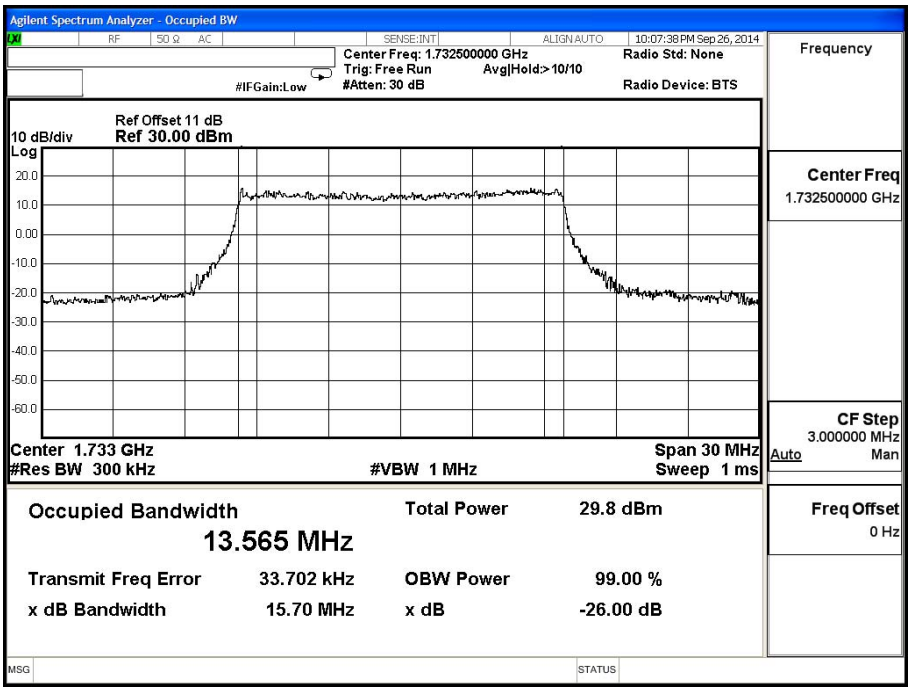


Band 4 10M 16QAM - LTE Mode CH20175

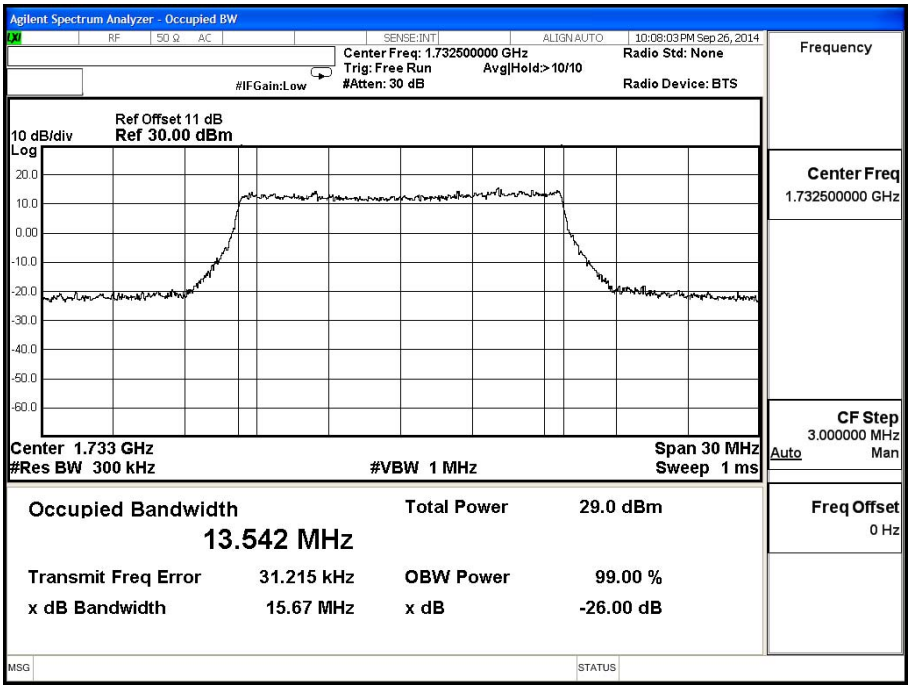


Product	Intel 7260M2NA		
Test Mode	Occupied Bandwidth		
Date of Test	2014/09/26	Test Site	CTR
Test Condition	Band 4 15M		

Band 4 15M QPSK - LTE Mode CH 20175

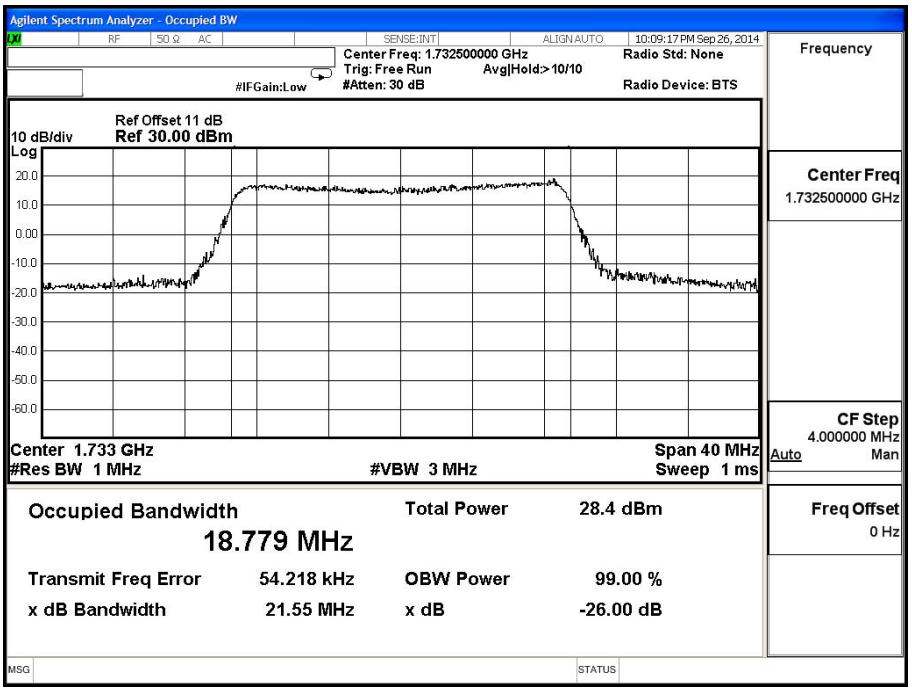


Band 4 15M 16QAM - LTE Mode CH20175

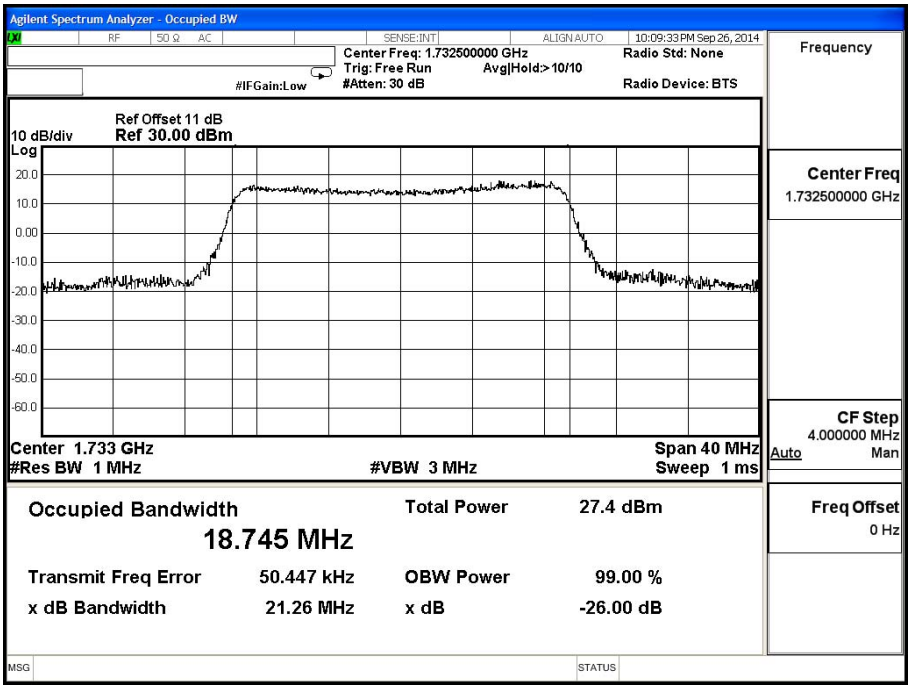


Product	Intel 7260M2NA		
Test Mode	Occupied Bandwidth		
Date of Test	2014/09/26	Test Site	CTR
Test Condition	Band 4 20M		

Band 4 20M QPSK - LTE Mode CH 20175

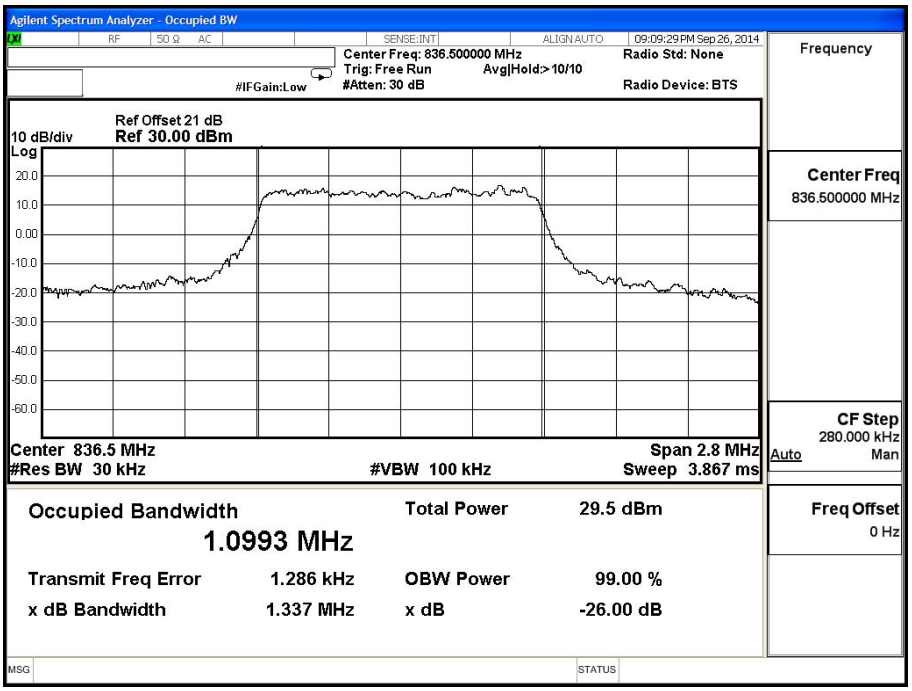


Band 4 20M 16QAM - LTE Mode CH20175

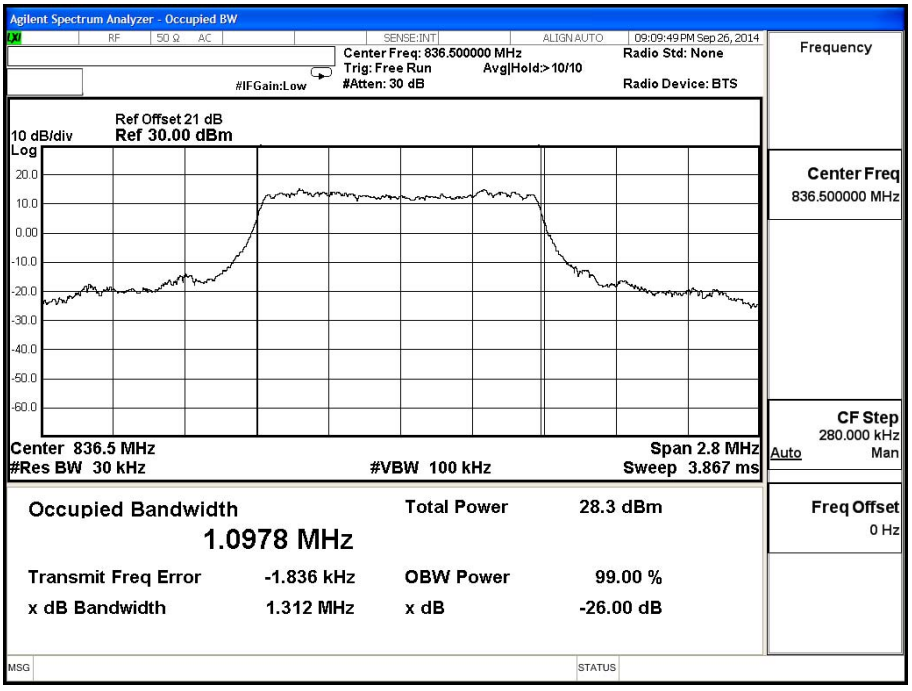


Product	Intel 7260M2NA		
Test Mode	Occupied Bandwidth		
Date of Test	2014/09/26	Test Site	CTR
Test Condition	Band 5 1.4M		

Band 5 1.4M QPSK - LTE Mode CH 20525

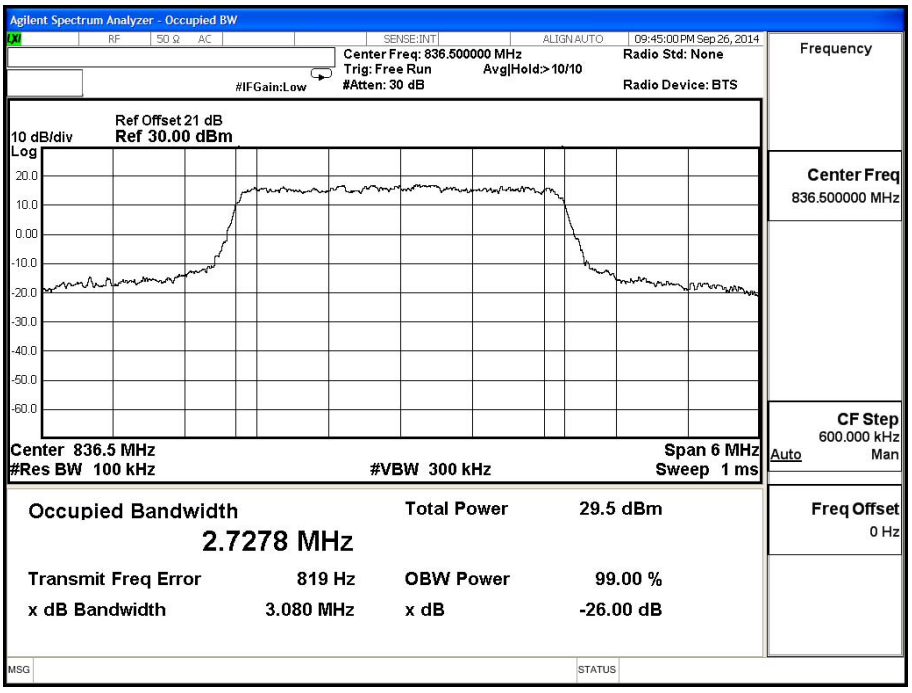


Band 5 1.4M 16QAM - LTE Mode CH20525

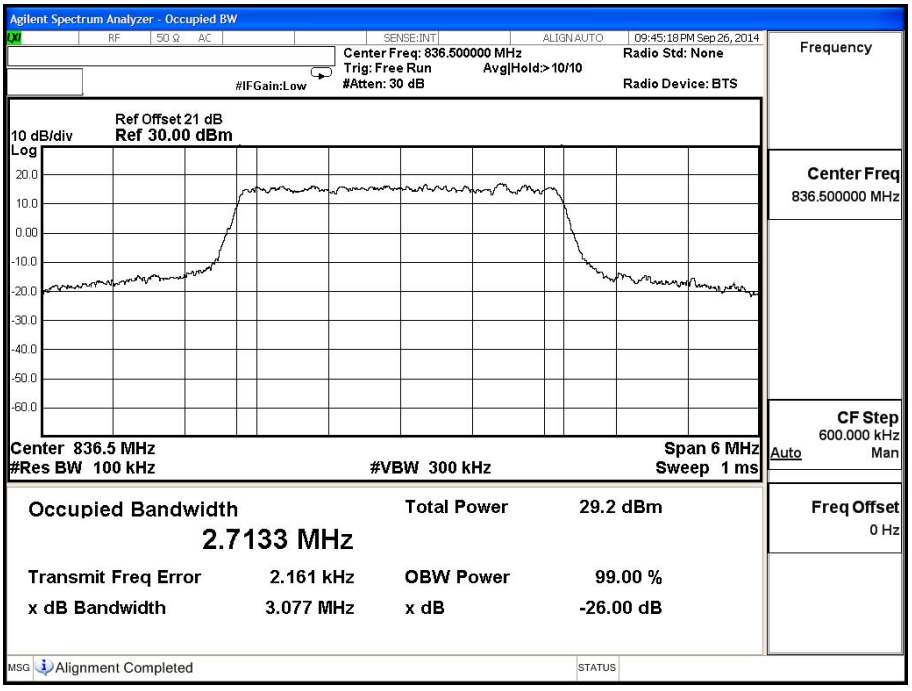


Product	Intel 7260M2NA		
Test Mode	Occupied Bandwidth		
Date of Test	2014/09/26	Test Site	CTR
Test Condition	Band 5 3M		

Band 5 3M QPSK - LTE Mode CH 20525

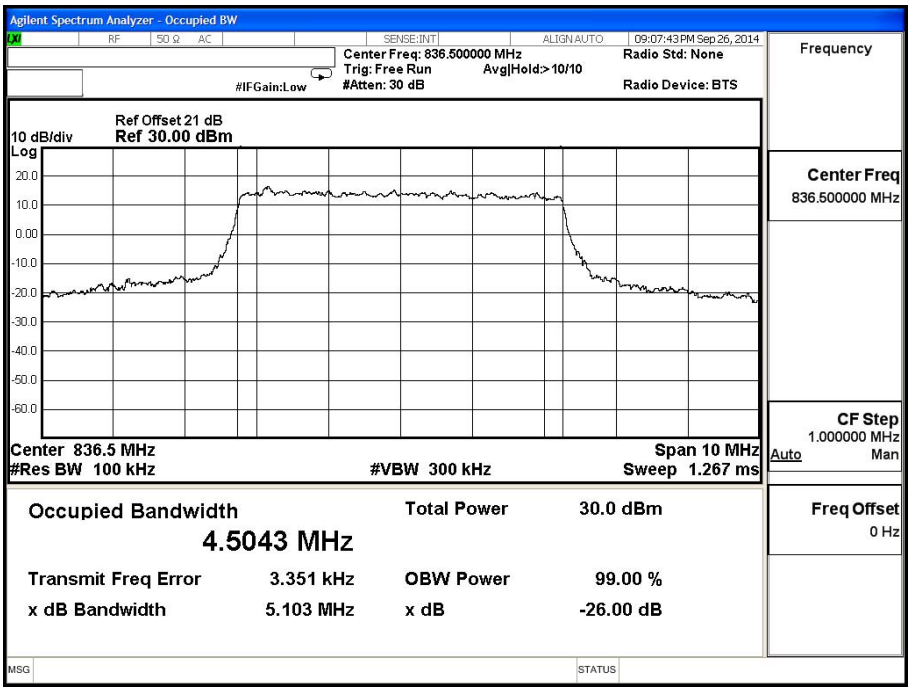


Band 5 3M 16QAM - LTE Mode CH20525

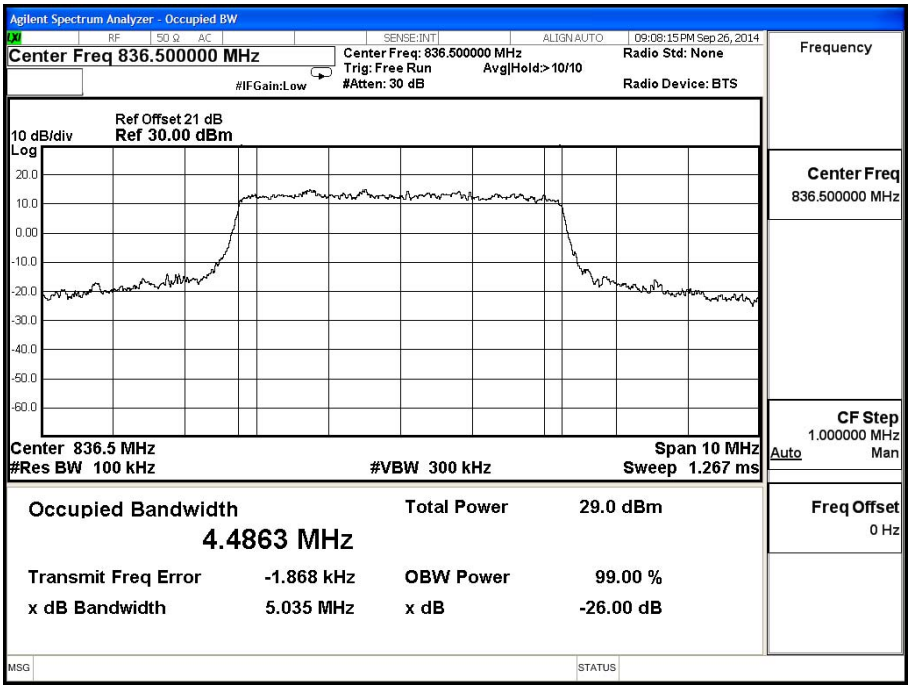


Product	Intel 7260M2NA		
Test Mode	Occupied Bandwidth		
Date of Test	2014/09/26	Test Site	CTR
Test Condition	Band 5 5M		

Band 5 5M QPSK - LTE Mode CH 20525

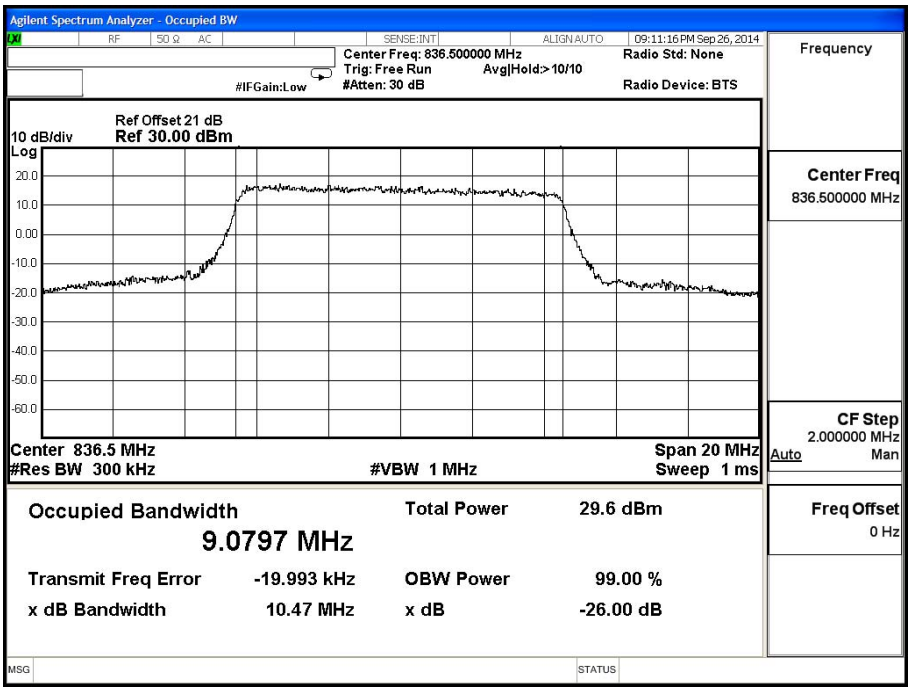


Band 5 5M 16QAM - LTE Mode CH20525

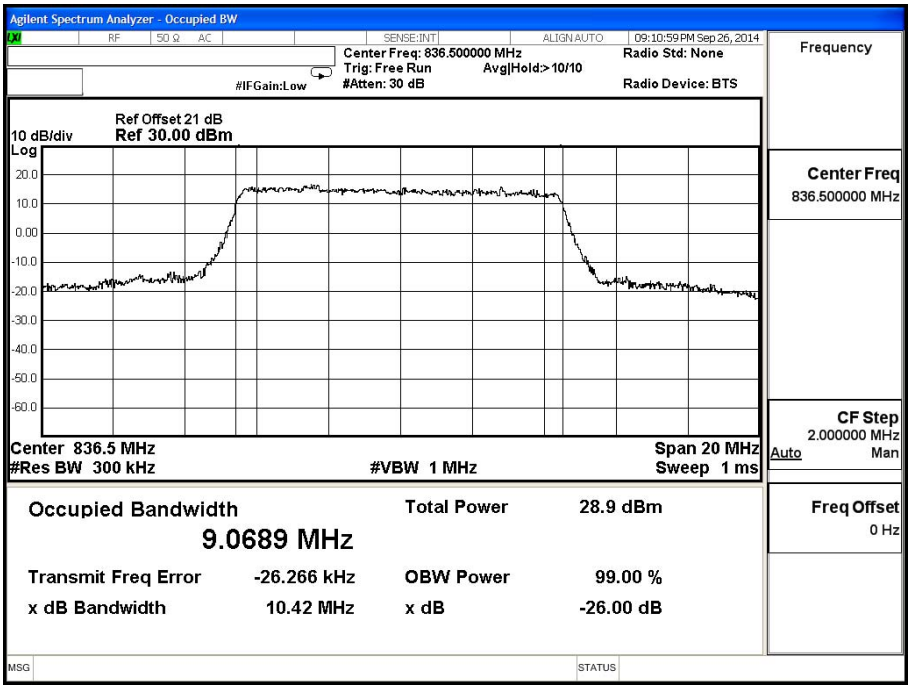


Product	Intel 7260M2NA		
Test Mode	Occupied Bandwidth		
Date of Test	2014/09/26	Test Site	CTR
Test Condition	Band 5 10M		

Band 5 10M QPSK - LTE Mode CH 20525

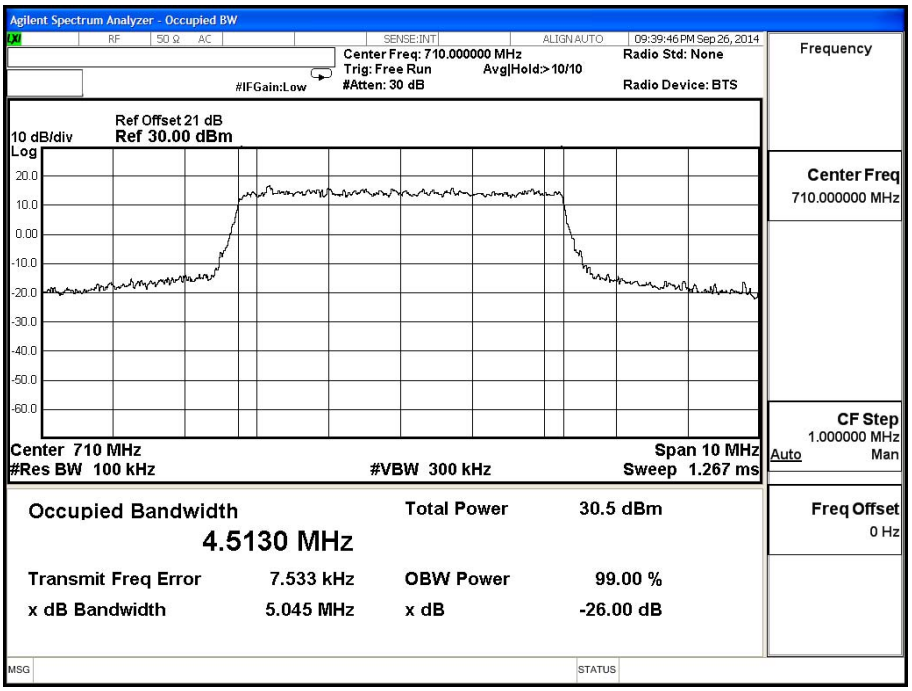


Band 5 10M 16QAM - LTE Mode CH20525

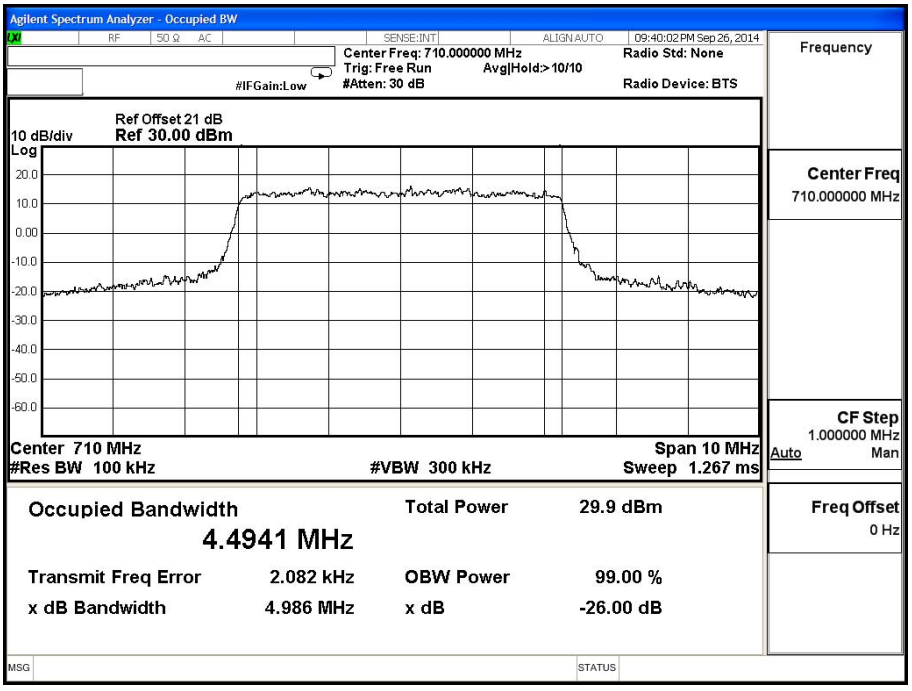


Product	Intel 7260M2NA		
Test Mode	Occupied Bandwidth		
Date of Test	2014/09/26	Test Site	CTR
Test Condition	Band 17 5M		

Band 17 5M QPSK - LTE Mode CH 23790

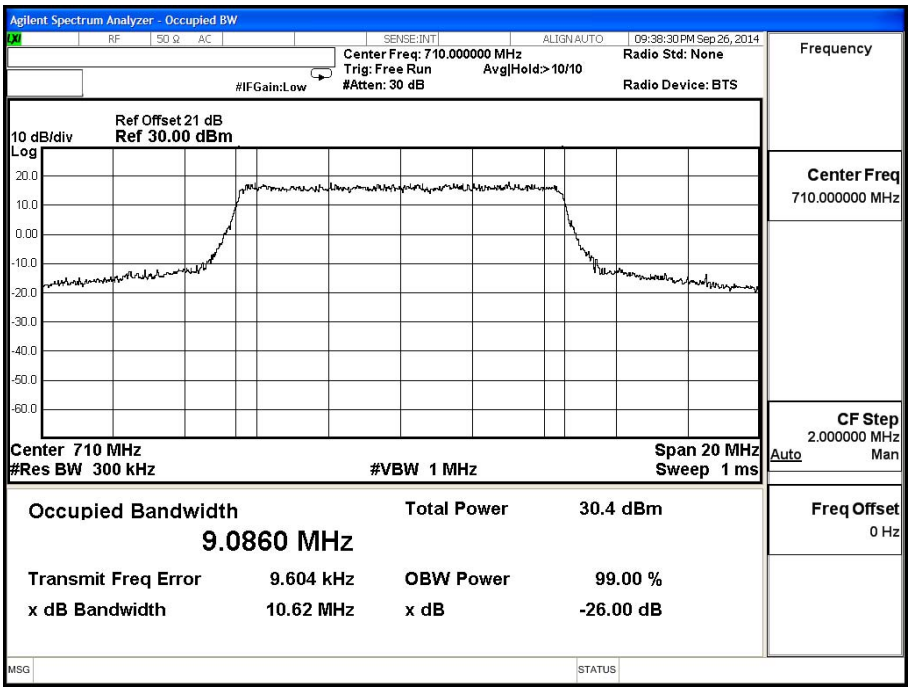


Band 17 5M 16QAM - LTE Mode CH23790

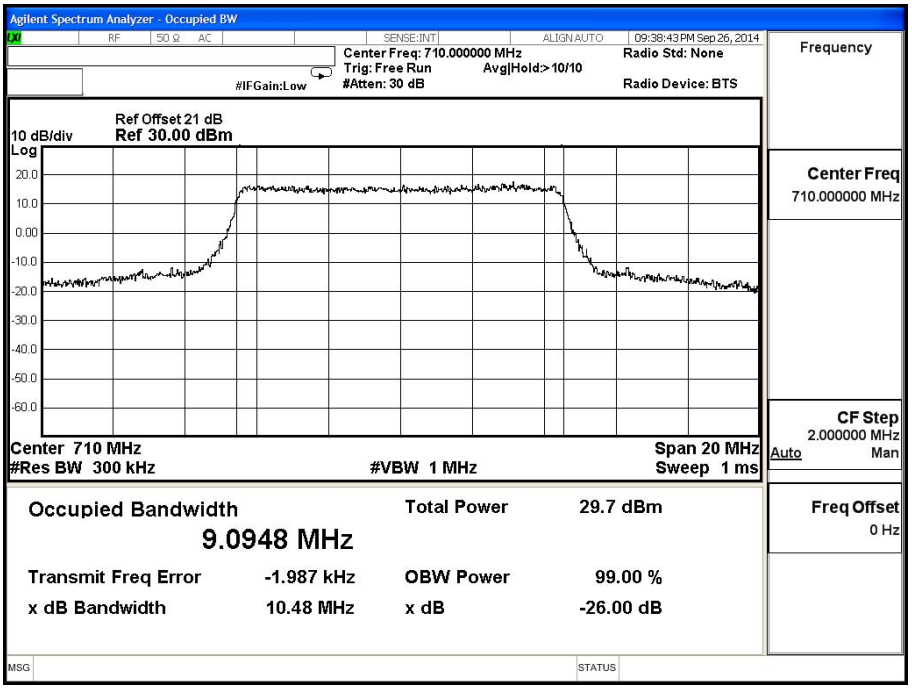


Product	Intel 7260M2NA		
Test Mode	Occupied Bandwidth		
Date of Test	2014/09/26	Test Site	CTR
Test Condition	Band 17 10M		

Band 17 10M QPSK - LTE Mode CH 23790



Band 17 10M 16QAM - LTE Mode CH23790

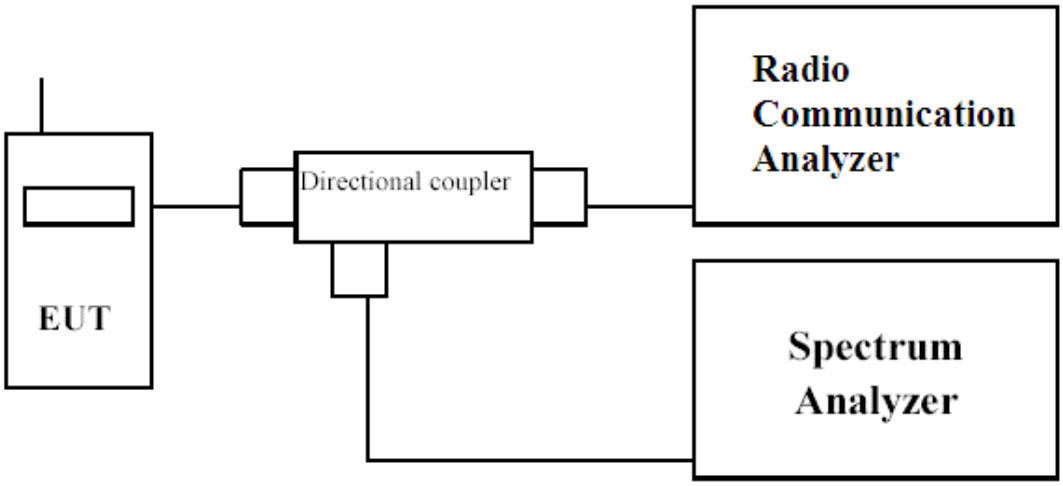


5. Spurious Emission At Antenna Terminals (+/-1MHz)

5.1. Test Specification

According to Part 2.1049, 22.917, 24.238, 27.53

5.2. Setup



5.3. Limits

The spurious (unwanted) emission limits specified in the individual FCC rule parts applicable to licensed digital transmitters (typically referred to under the heading ‘emission limits’) normally apply to any and all emissions that are present outside of the authorized frequency band/block and apply to emissions in both the out-of-band and spurious domains. unwanted emissions are required by the licensed rule parts to be attenuated below the transmitter power by a factor of at least 43+ 10log(P) dB, where P represents the transmitter power expressed in watts

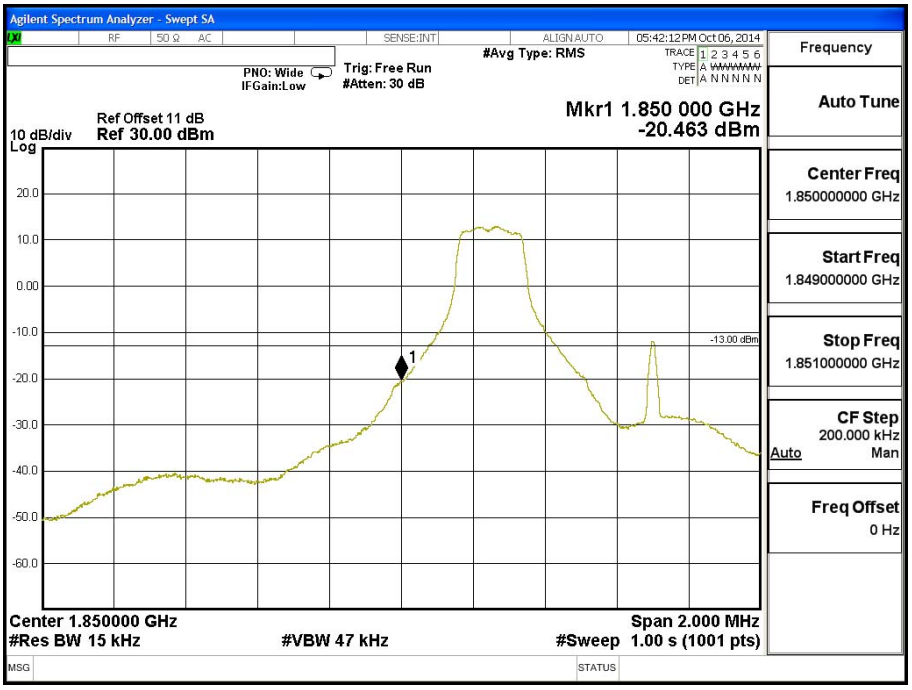
5.4. Test Procedure

In accordance with Part 22.917, 24.238, 27.53, at least 1% of the emission bandwidth was used for the resolution and video bandwidths up to 1MHz away from the Block Edge. At greater than 1MHz, the resolution and video bandwidth were increased to 1MHz/3MHz.
The reference power and path losses of all channels used for testing in each frequency block were measured.

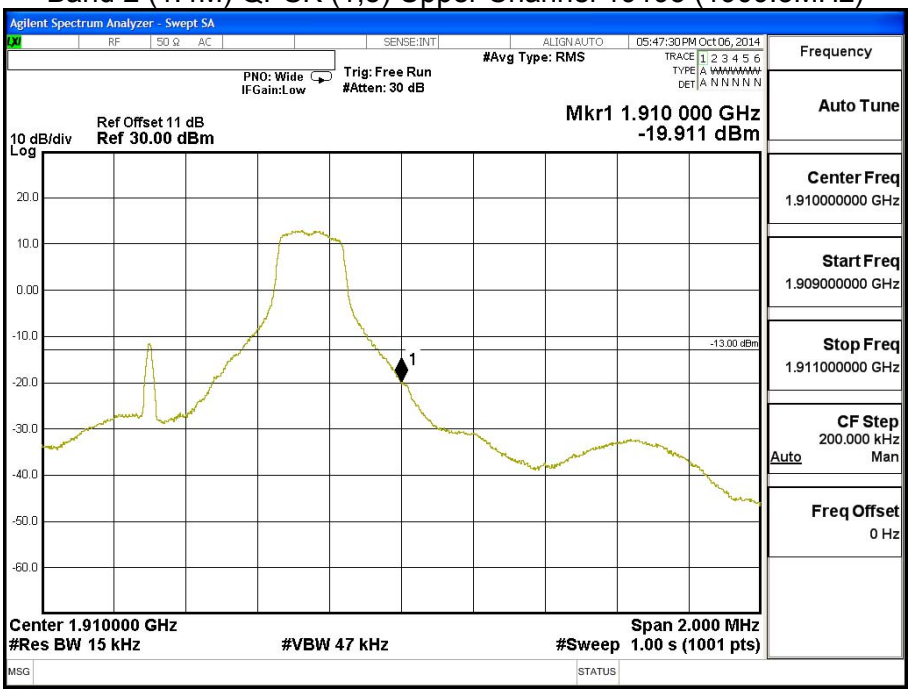
5.5. Test Result of Spurious Emission At Antenna Terminals (+/-1MHz)

Product	Intel 7260M2NA		
Test Mode	Spurious Emission At Antenna Terminals (+/-1MHz)		
Date of Test	2014/10/06	Test Site	CTR
Test Condition	Block Edge Test (Band 2 (1.4M))		

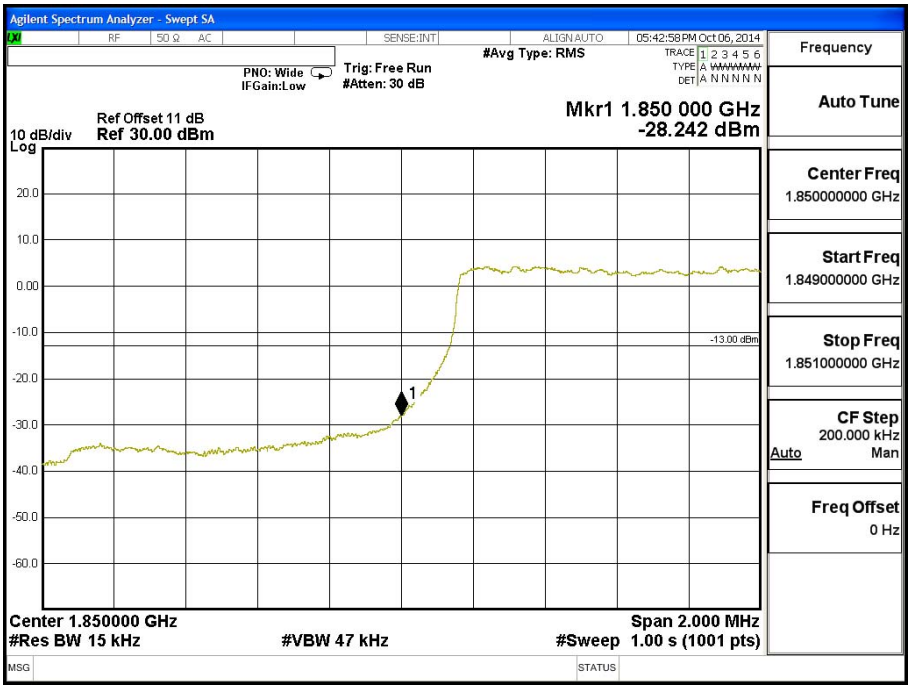
Band 2 (1.4M) QPSK (1,0) Lower Channel 18607 (1850.7MHz)



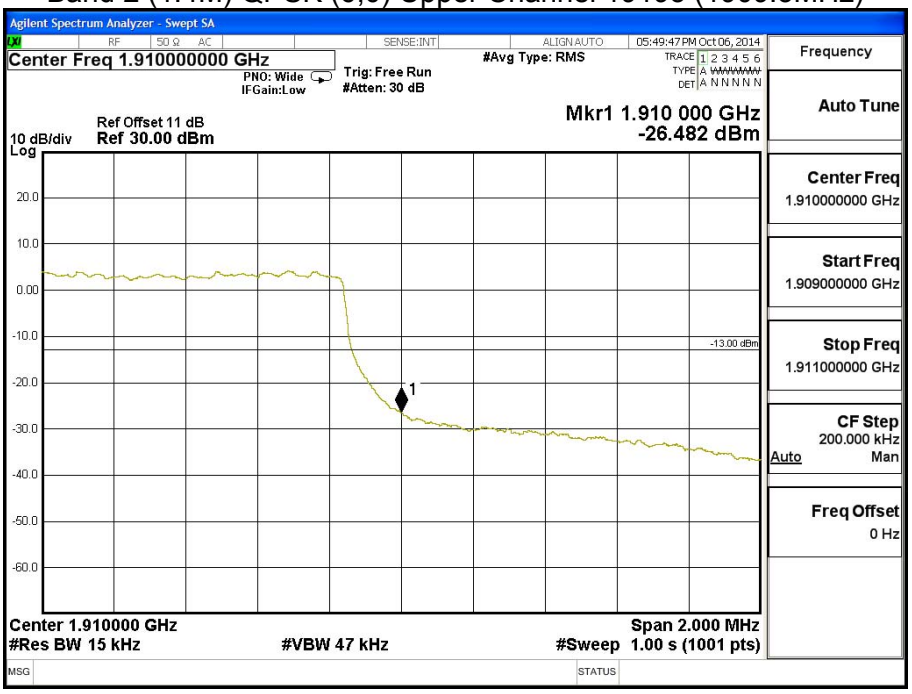
Band 2 (1.4M) QPSK (1,5) Upper Channel 19193 (1909.3MHz)



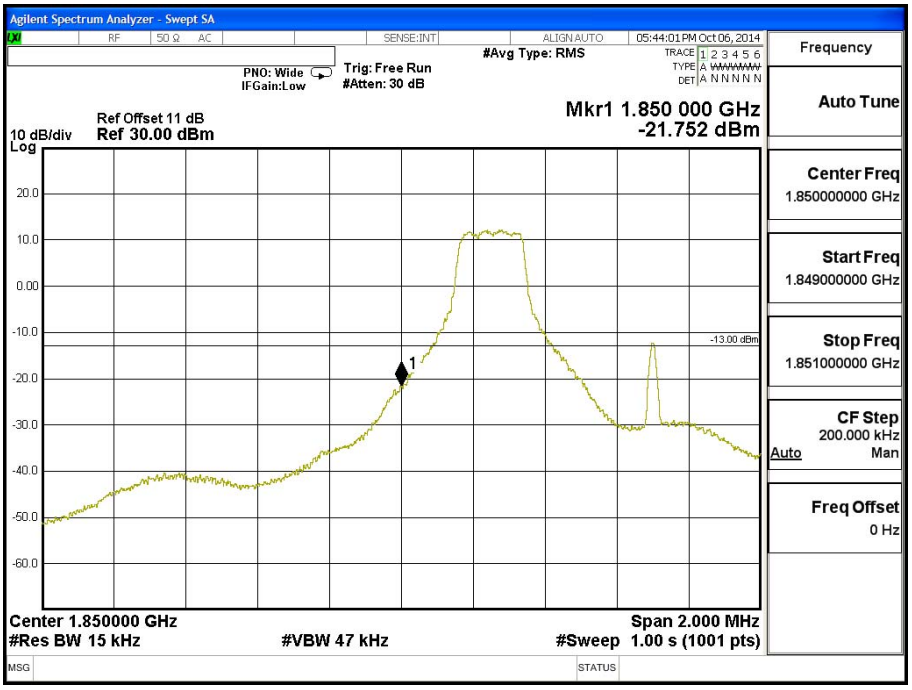
Band 2 (1.4M) QPSK (6,0) Lower Channel 18607 (1850.7MHz)



Band 2 (1.4M) QPSK (6,0) Upper Channel 19193 (1909.3MHz)



Band 2 (1.4M) 16QAM (1,0) Lower Channel 18607 (1850.7MHz)



Band 2 (1.4M) 16QAM (1,5) Upper Channel 19193 (1909.3MHz)