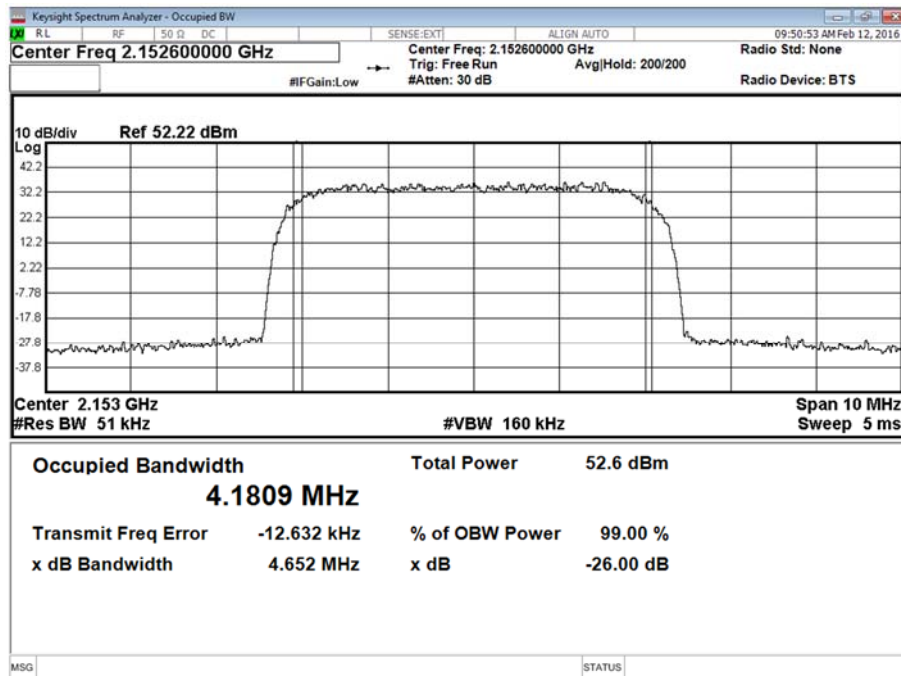


Channel Position T - Bandwidth 5.0 MHz - Antenna D

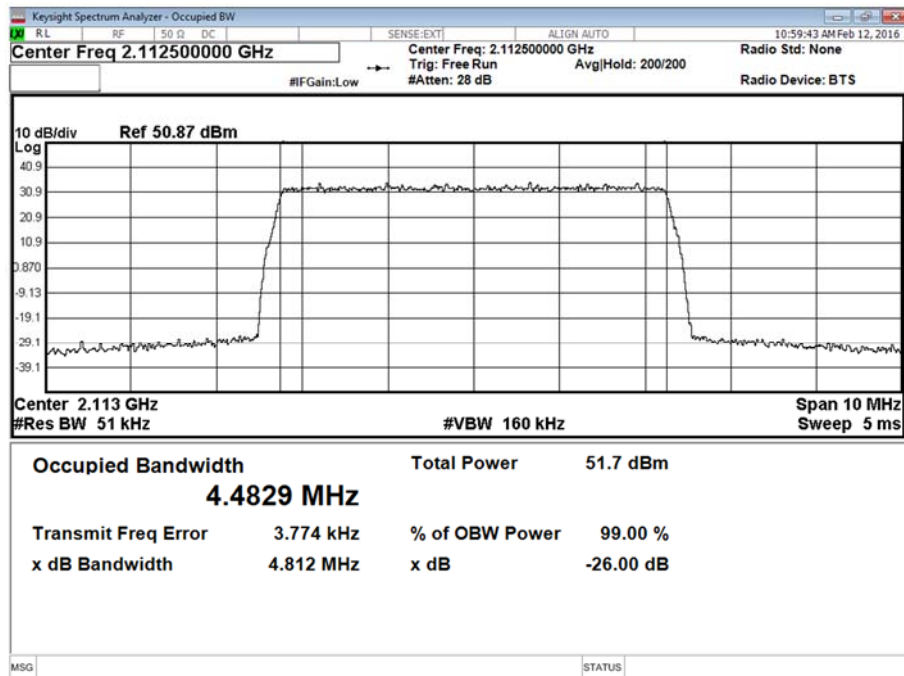


Configuration 3 Antenna A

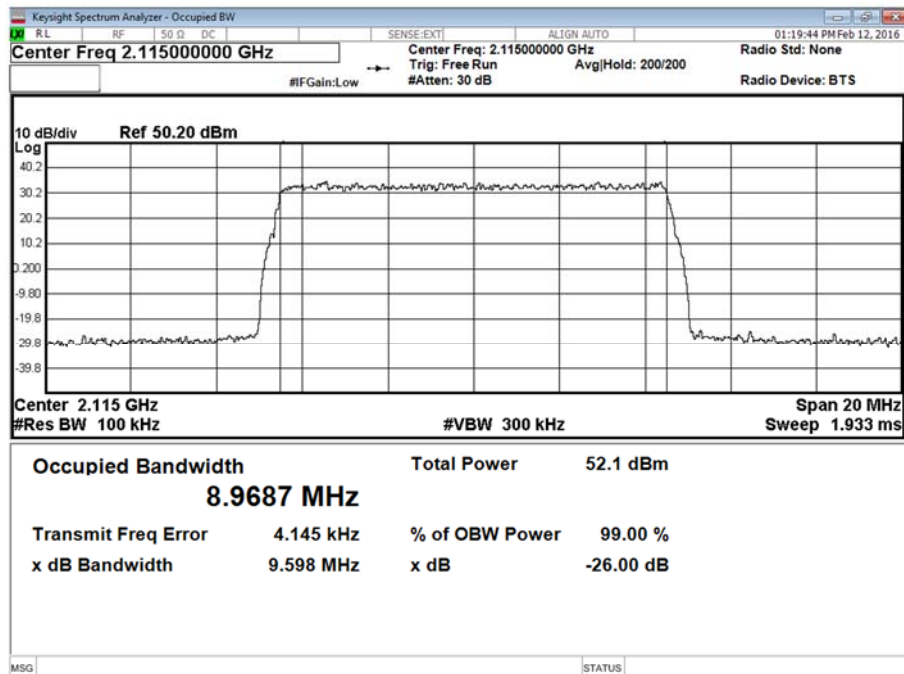
Maximum Output Power 44.77 dBm

Carrier Bandwidth / Modulation	Result (kHz)					
	Channel Position B		Channel Position M		Channel Position T	
	Occupied Bandwidth	-26 dB Bandwidth	Occupied Bandwidth	-26 dB Bandwidth	Occupied Bandwidth	-26 dB Bandwidth
5.0 MHz / QPSK	4,482.91	4,811.85	4,482.21	4,797.63	4,481.45	4,789.81
10.0 MHz / QPSK	8,968.66	9,597.70	8,948.36	9,634.71	8,955.88	9,598.72
15.0 MHz / QPSK	13,411.03	14,431.66	13,427.50	14,334.21	13,445.47	14,319.21
20.0 MHz / QPSK	17,880.41	19,140.38	17,879.90	19,062.43	17,885.05	19,057.26

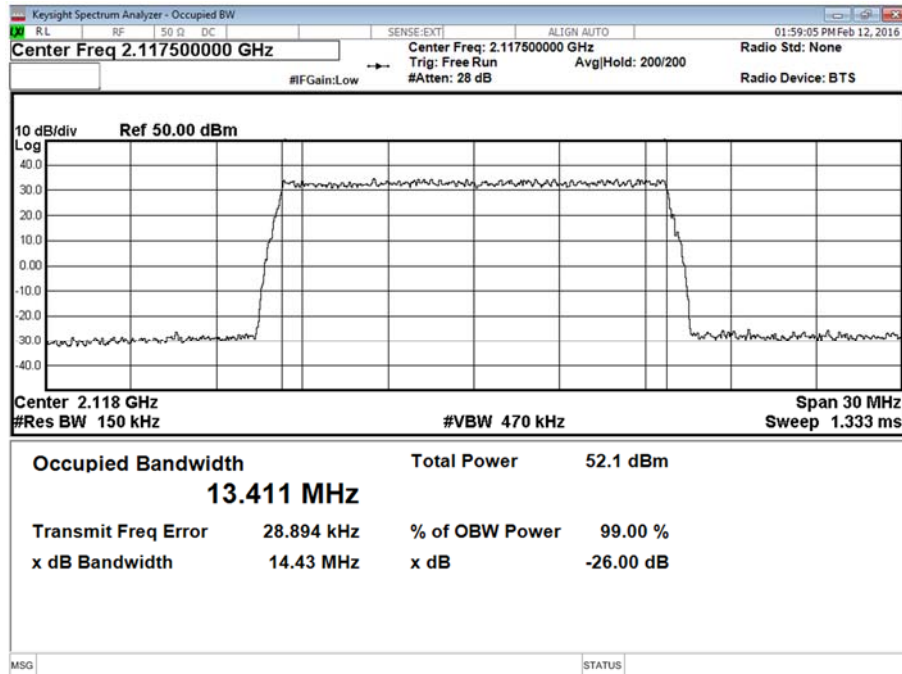
Channel Position B - Bandwidth 5.0 MHz - Antenna A



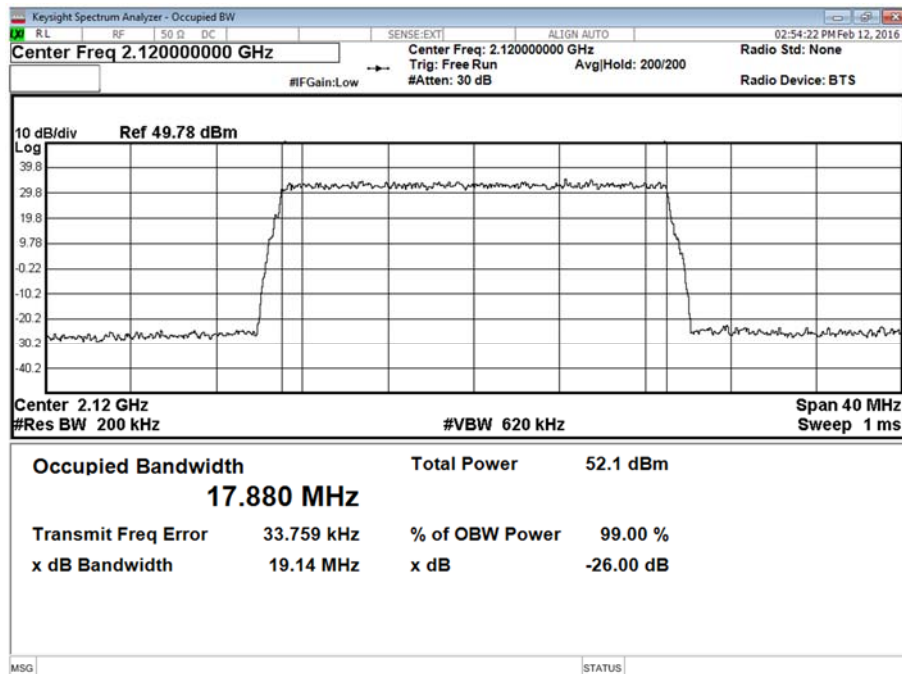
Channel Position B - Bandwidth 10.0 MHz - Antenna A



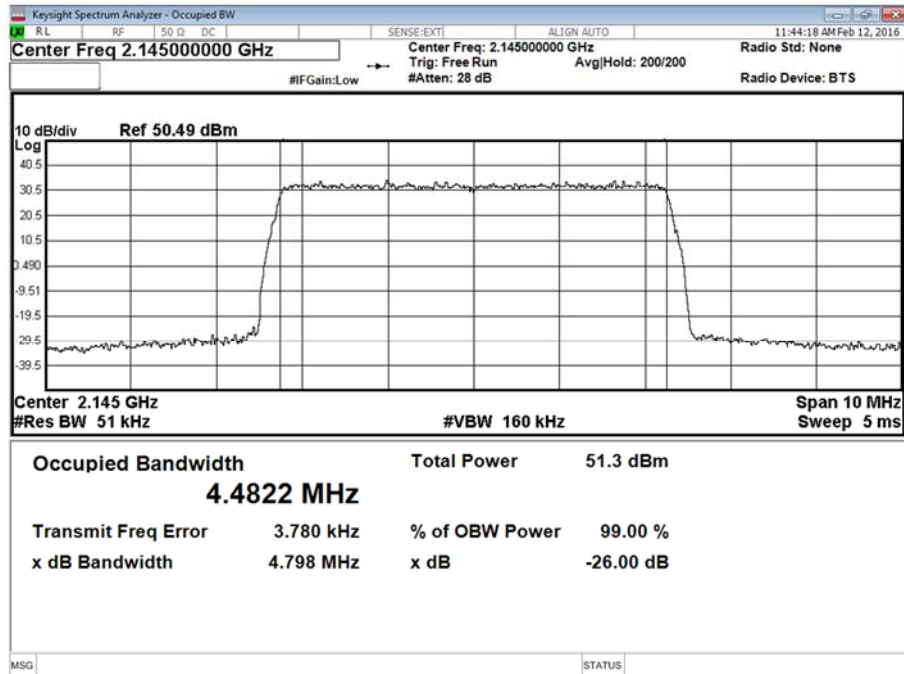
Channel Position B - Bandwidth 15.0 MHz - Antenna A



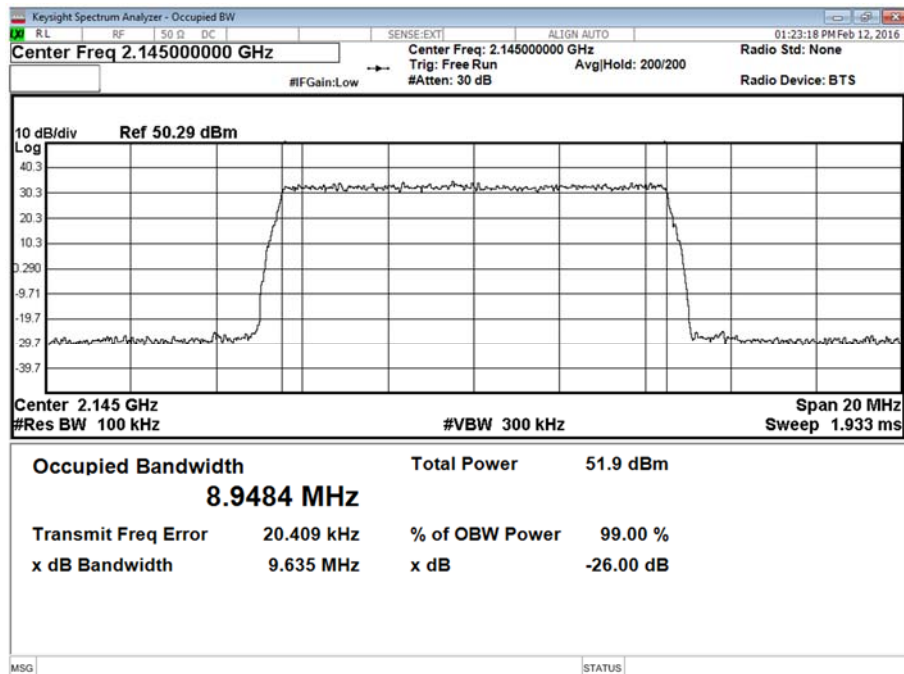
Channel Position B - Bandwidth 20.0 MHz - Antenna A



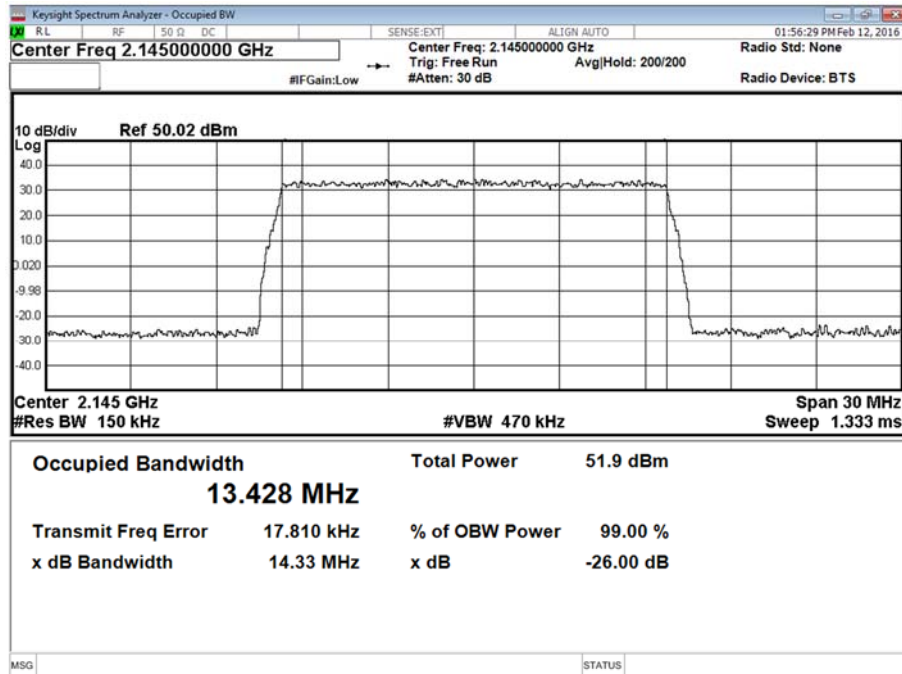
Channel Position M - Bandwidth 5.0 MHz - Antenna A



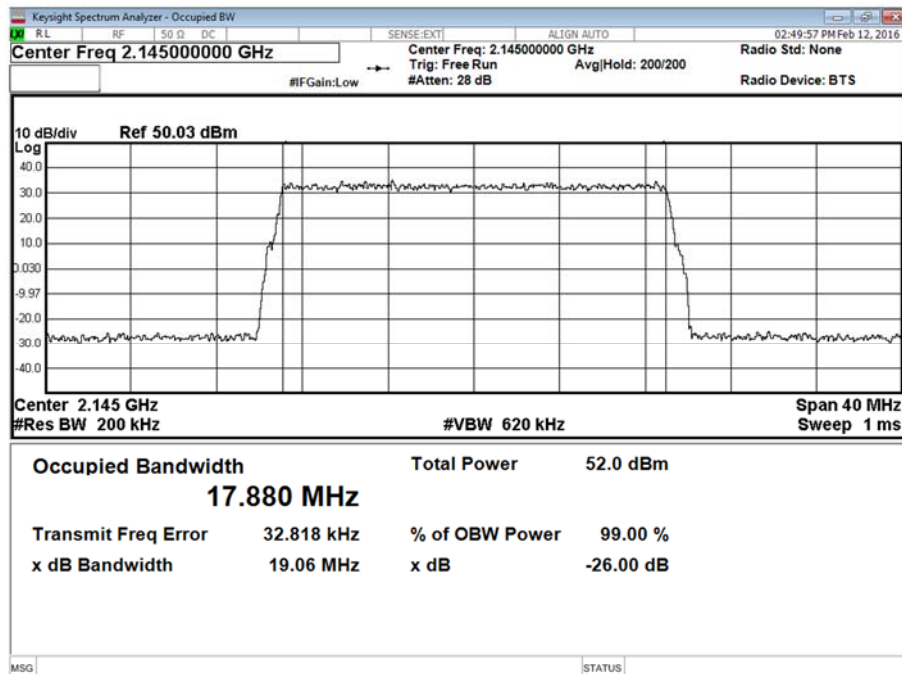
Channel Position M - Bandwidth 10.0 MHz - Antenna A



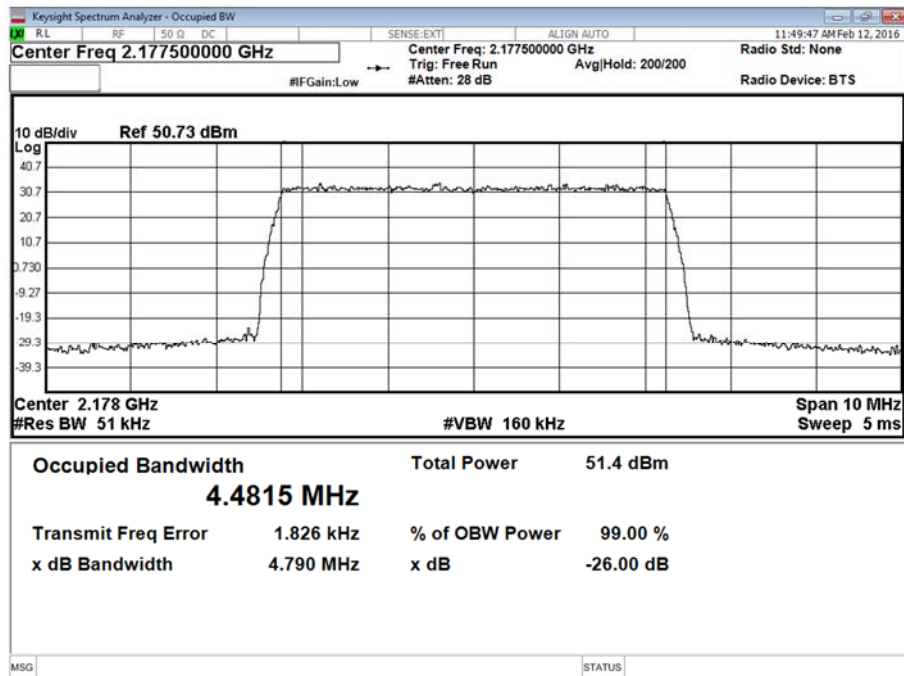
Channel Position M - Bandwidth 15.0 MHz - Antenna A



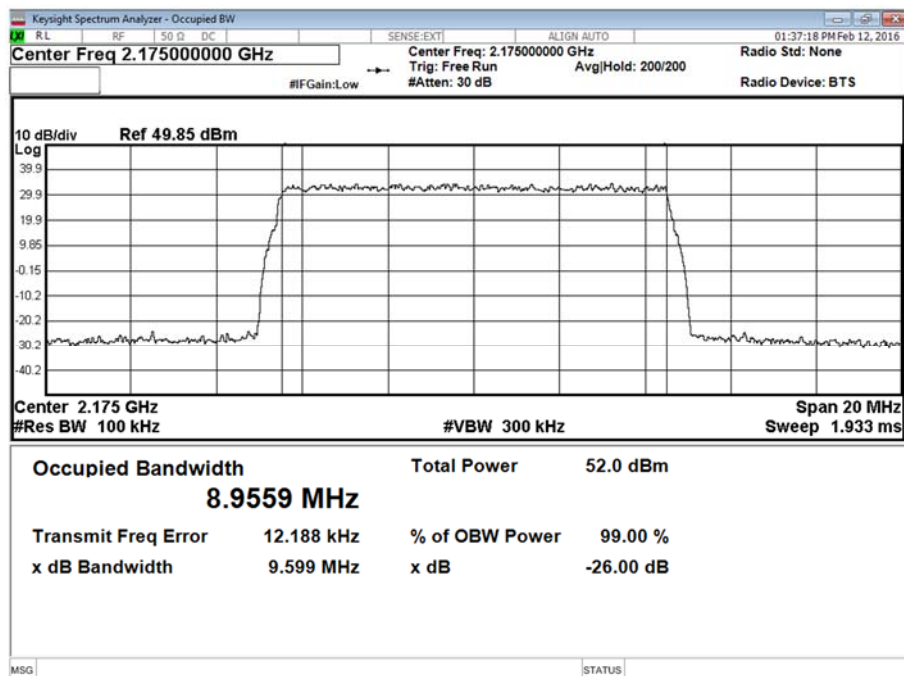
Channel Position M - Bandwidth 20.0 MHz - Antenna A



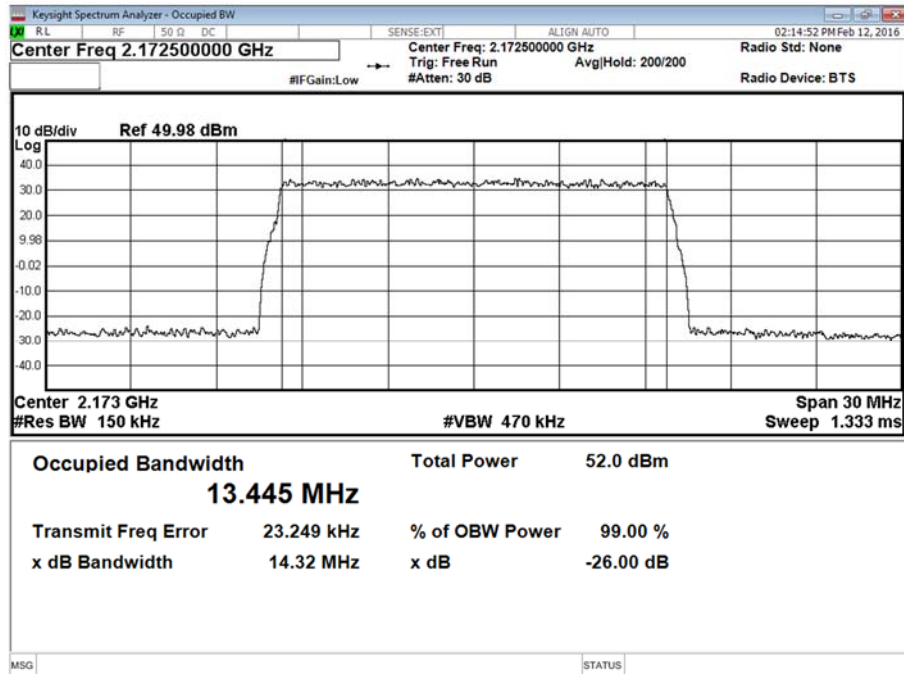
Channel Position T - Bandwidth 5.0 MHz - Antenna A



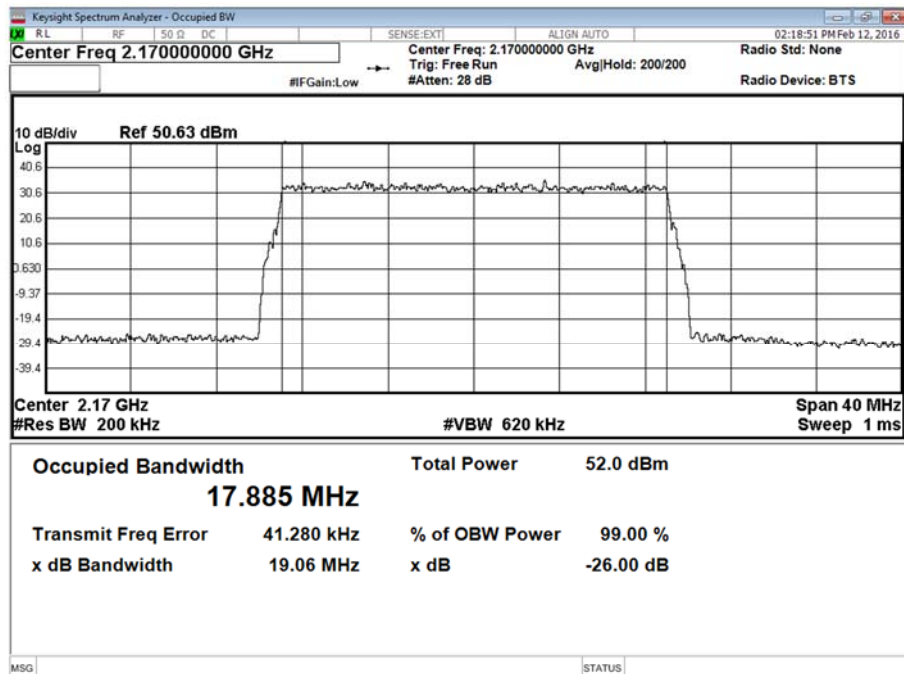
Channel Position T - Bandwidth 10.0 MHz - Antenna A



Channel Position T - Bandwidth 15.0 MHz - Antenna A



Channel Position T - Bandwidth 20.0 MHz - Antenna A

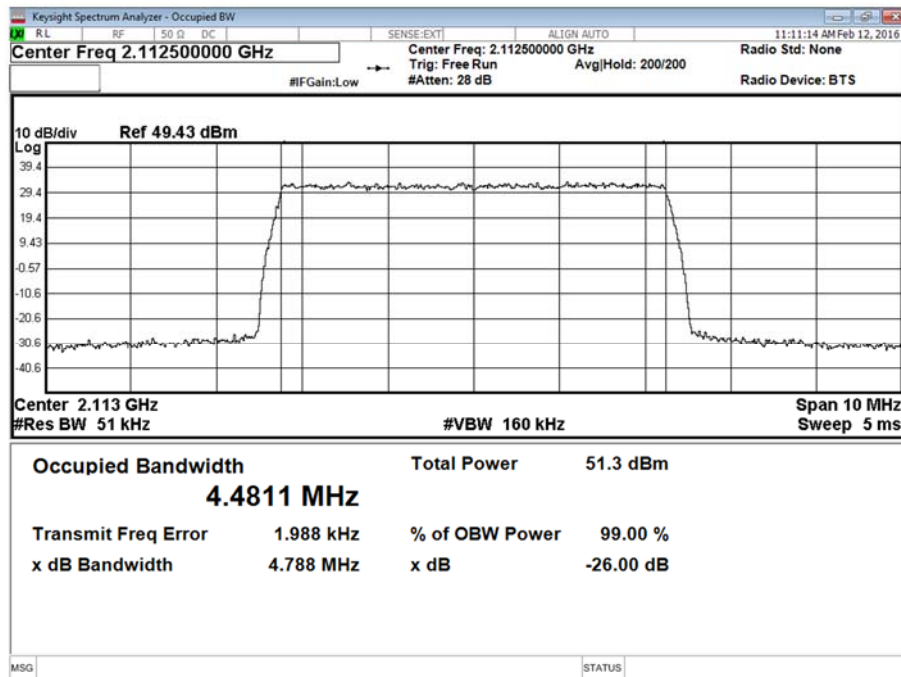


Configuration 3 Antenna B

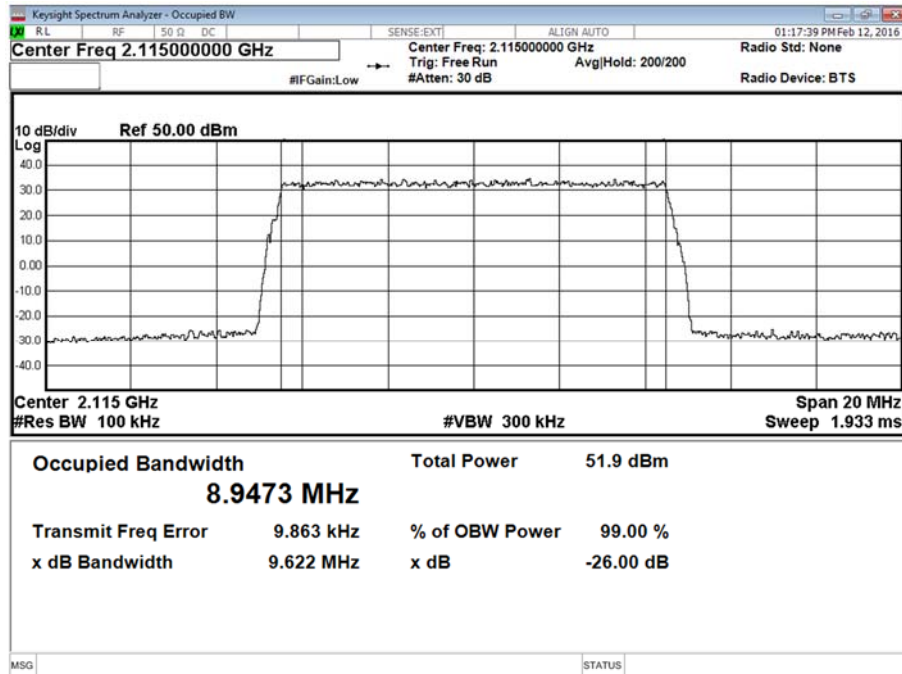
Maximum Output Power 44.77 dBm

Carrier Bandwidth / Modulation	Result (kHz)					
	Channel Position B		Channel Position M		Channel Position T	
	Occupied Bandwidth	-26 dB Bandwidth	Occupied Bandwidth	-26 dB Bandwidth	Occupied Bandwidth	-26 dB Bandwidth
5.0 MHz / QPSK	4,481.05	4,788.44	4,477.65	4,795.09	4,485.38	4,793.79
10.0 MHz / QPSK	8,947.32	9,622.12	8,955.46	9,573.31	8,948.82	9,548.40
15.0 MHz / QPSK	13,426.35	14,342.95	13,409.59	14,309.20	13,415.97	14,288.75
20.0 MHz / QPSK	17,918.35	19,042.81	17,894.94	19,106.93	17,852.88	19,246.44

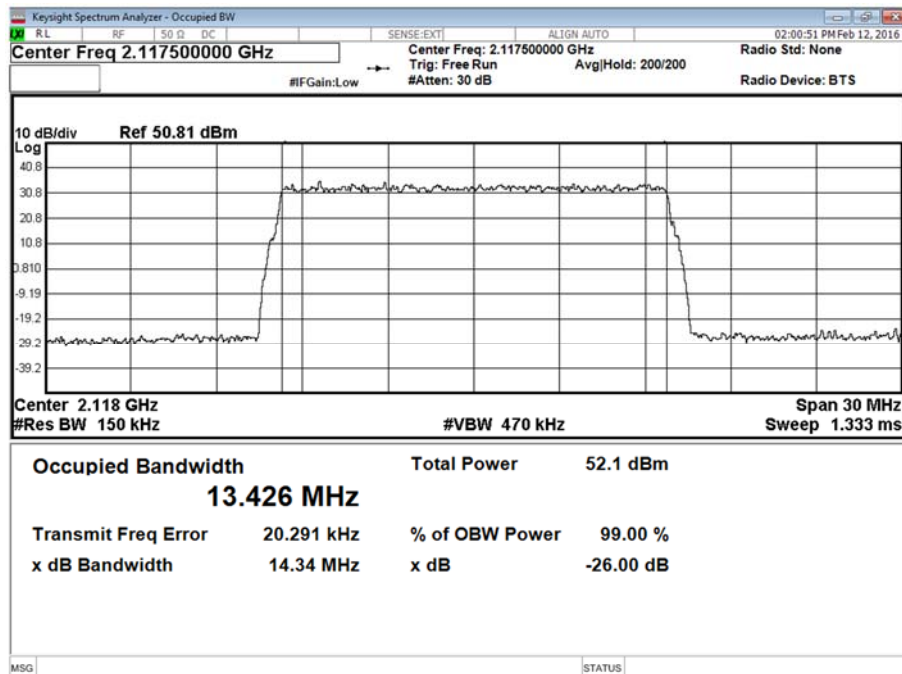
Channel Position B - Bandwidth 5.0 MHz - Antenna B



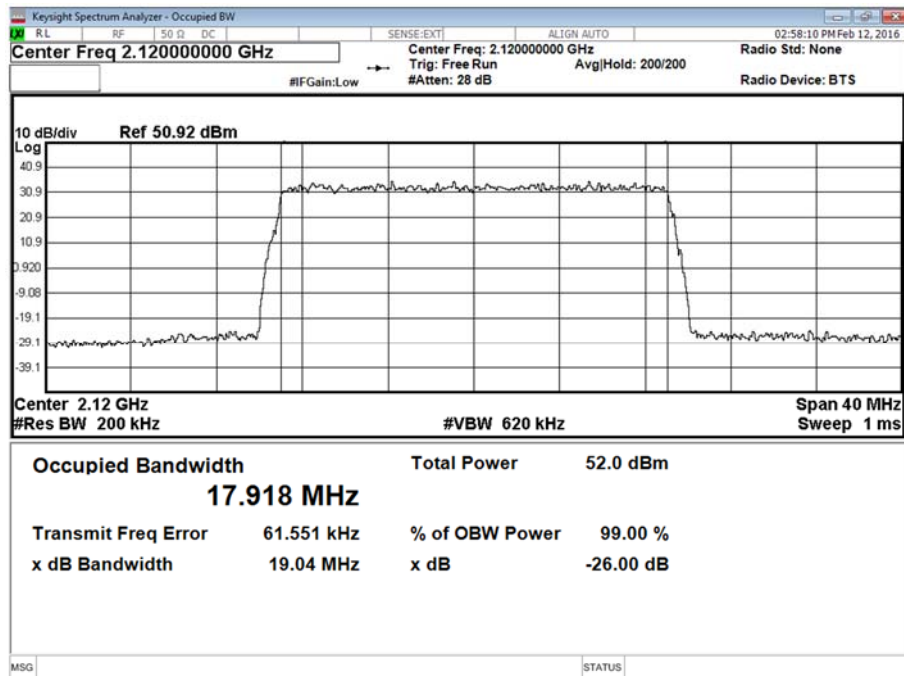
Channel Position B - Bandwidth 10.0 MHz - Antenna B



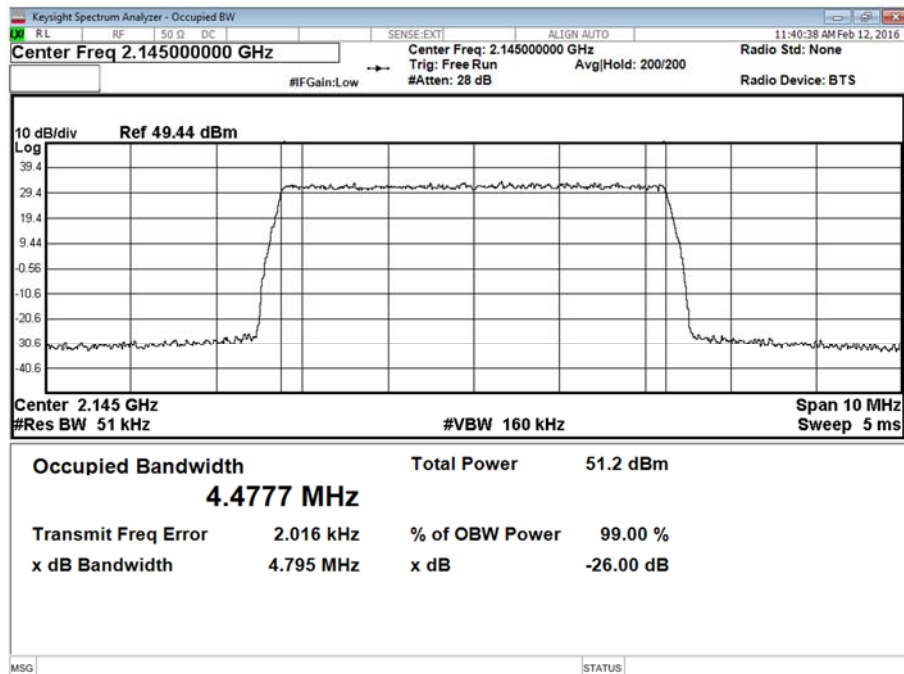
Channel Position B - Bandwidth 15.0 MHz - Antenna B



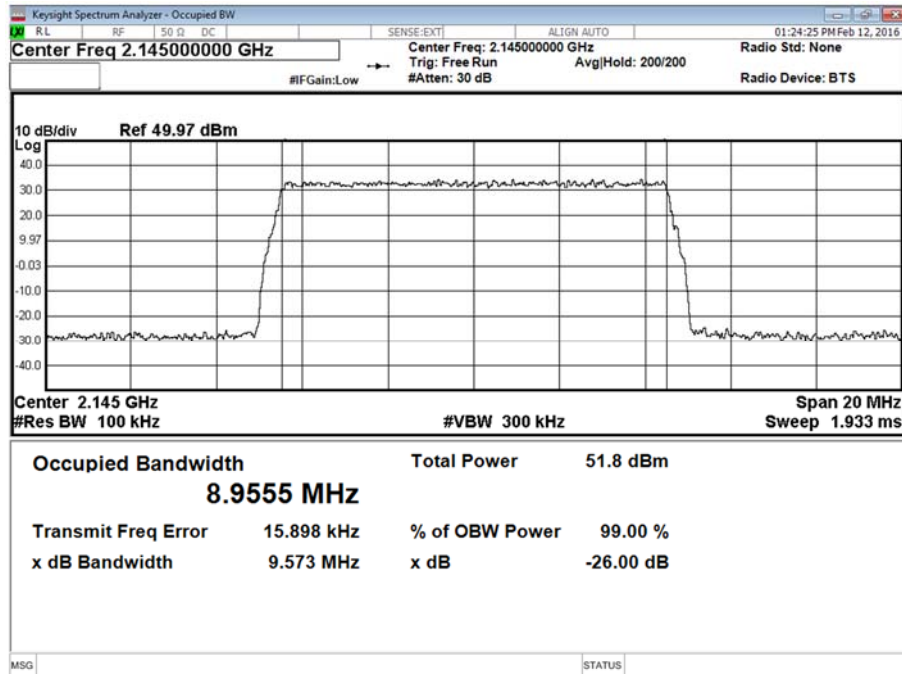
Channel Position B - Bandwidth 20.0 MHz - Antenna B



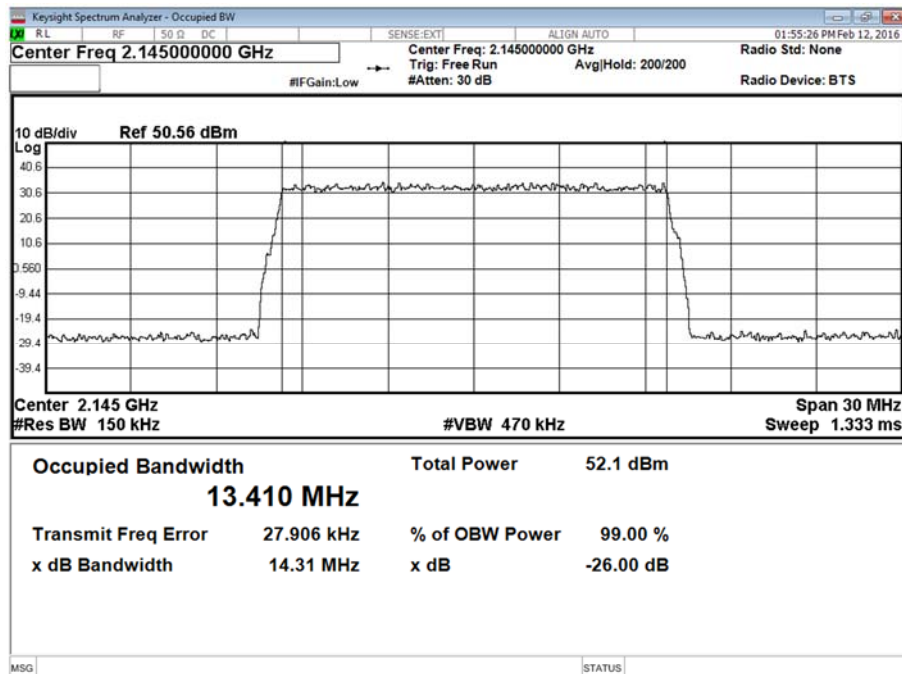
Channel Position M - Bandwidth 5.0 MHz - Antenna B



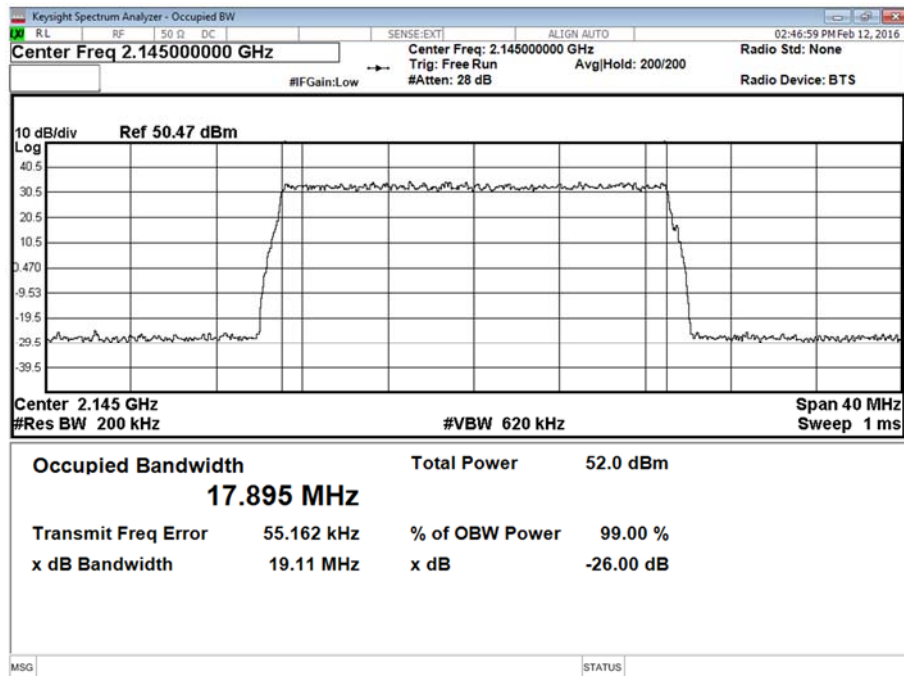
Channel Position M - Bandwidth 10.0 MHz - Antenna B



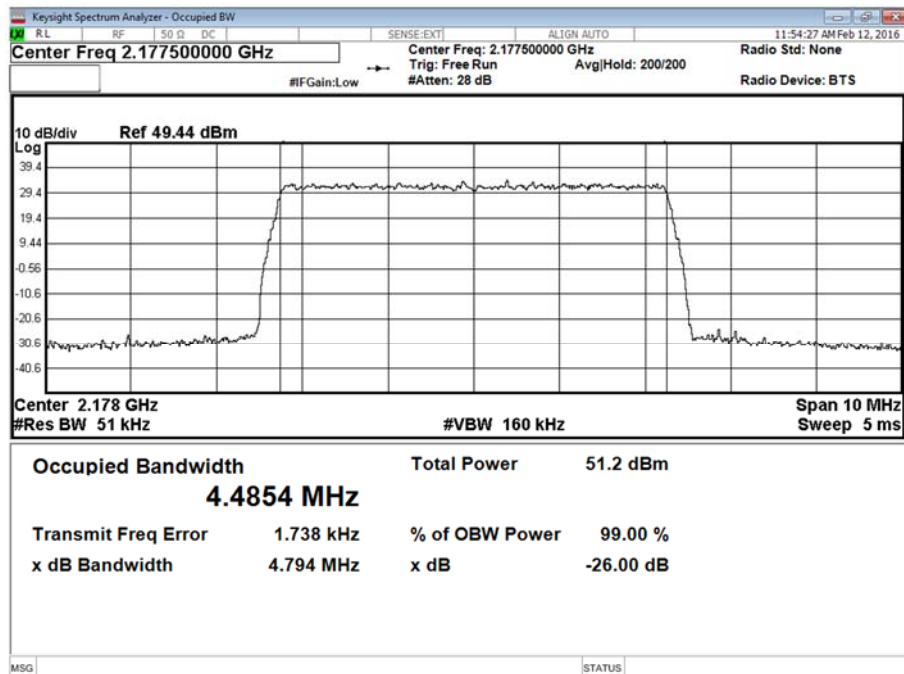
Channel Position M - Bandwidth 15.0 MHz - Antenna B



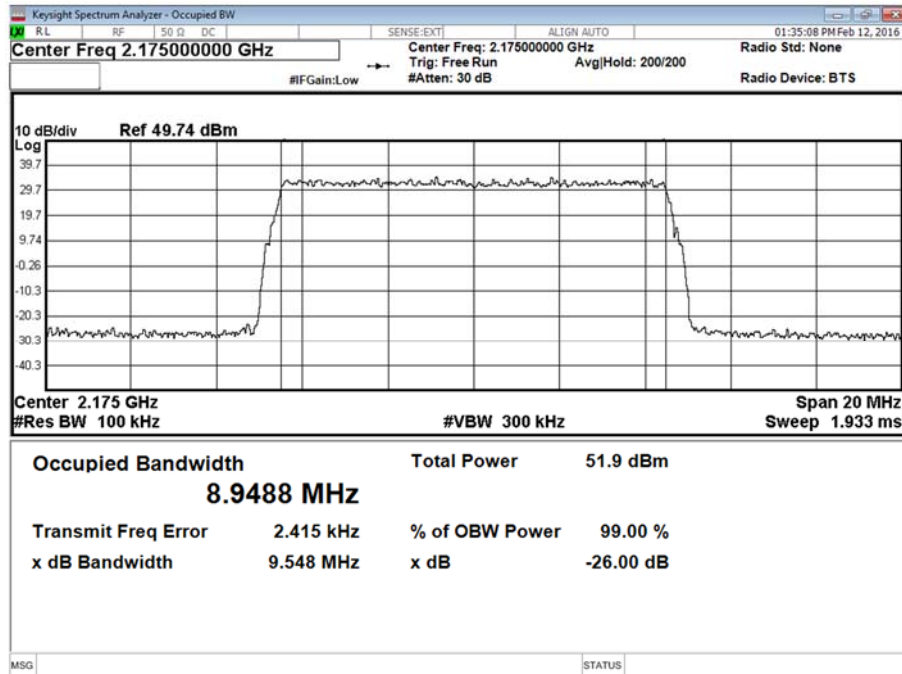
Channel Position M - Bandwidth 20.0 MHz - Antenna B



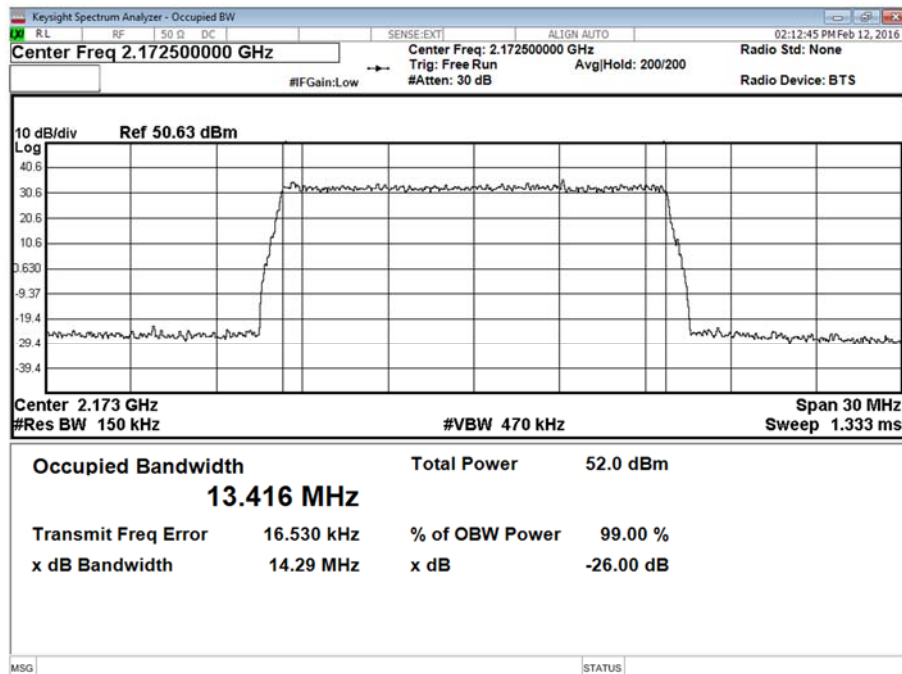
Channel Position T - Bandwidth 5.0 MHz - Antenna B



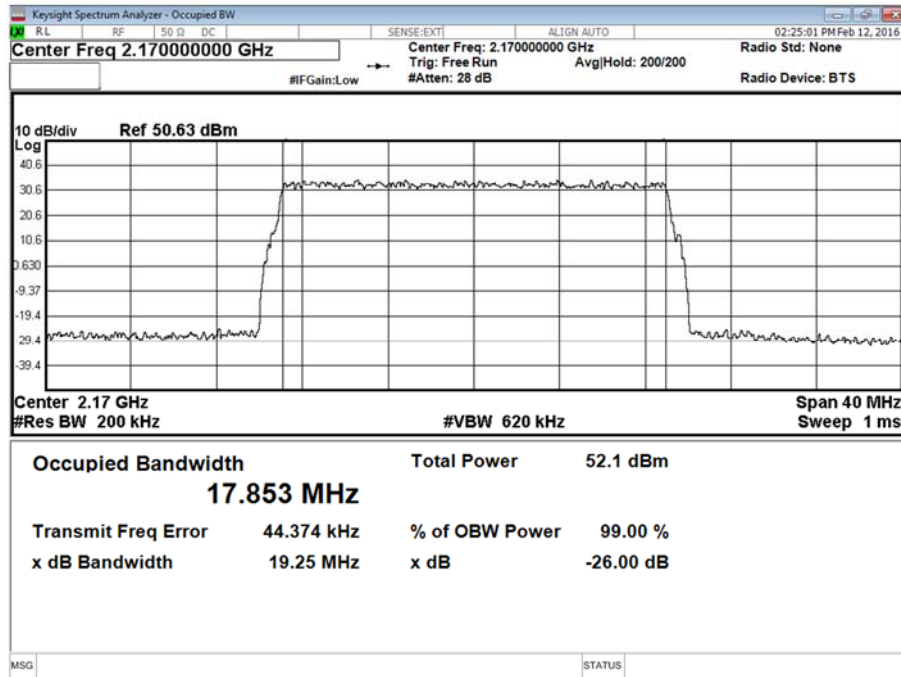
Channel Position T - Bandwidth 10.0 MHz - Antenna B



Channel Position T - Bandwidth 15.0 MHz - Antenna B



Channel Position T - Bandwidth 20.0 MHz - Antenna B

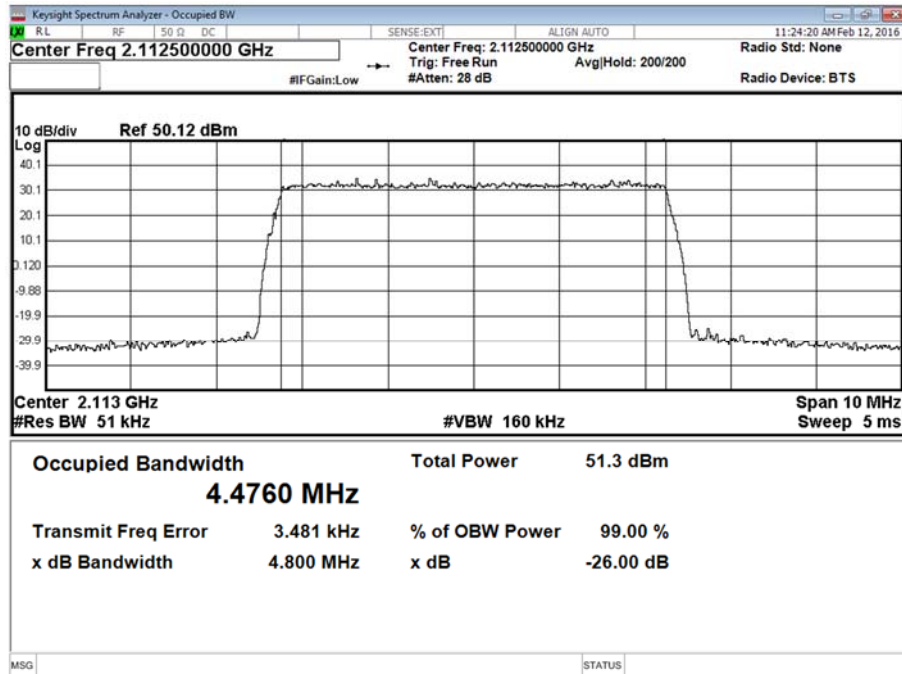


Configuration 3 Antenna C

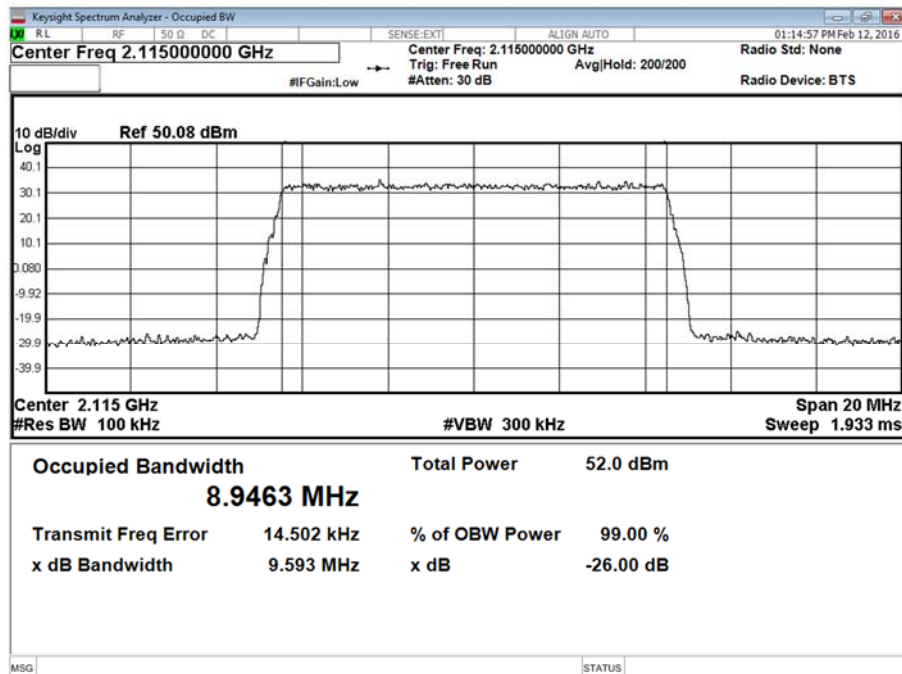
Maximum Output Power 44.77 dBm

Carrier Bandwidth / Modulation	Result (KHz)					
	Channel Position B		Channel Position M		Channel Position T	
	Occupied Bandwidth	-26 dB Bandwidth	Occupied Bandwidth	-26 dB Bandwidth	Occupied Bandwidth	-26 dB Bandwidth
5.0 MHz / QPSK	4,475.97	4,800.12	4,486.81	4,795.88	4,483.48	4,806.93
10.0 MHz / QPSK	8,946.31	9,592.90	8,948.21	9,515.62	8,945.50	9,640.97
15.0 MHz / QPSK	13,429.62	14,305.73	13,424.61	14,363.80	13,424.13	14,346.67
20.0 MHz / QPSK	17,880.74	19,107.65	17,903.24	19,180.28	17,901.96	19,108.05

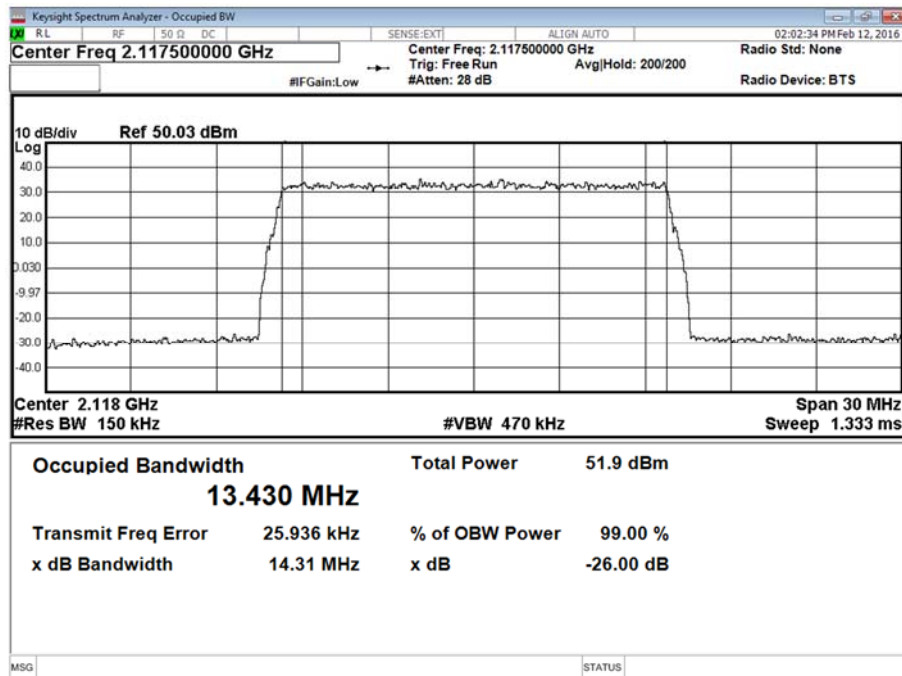
Channel Position B - Bandwidth 5.0 MHz - Antenna C



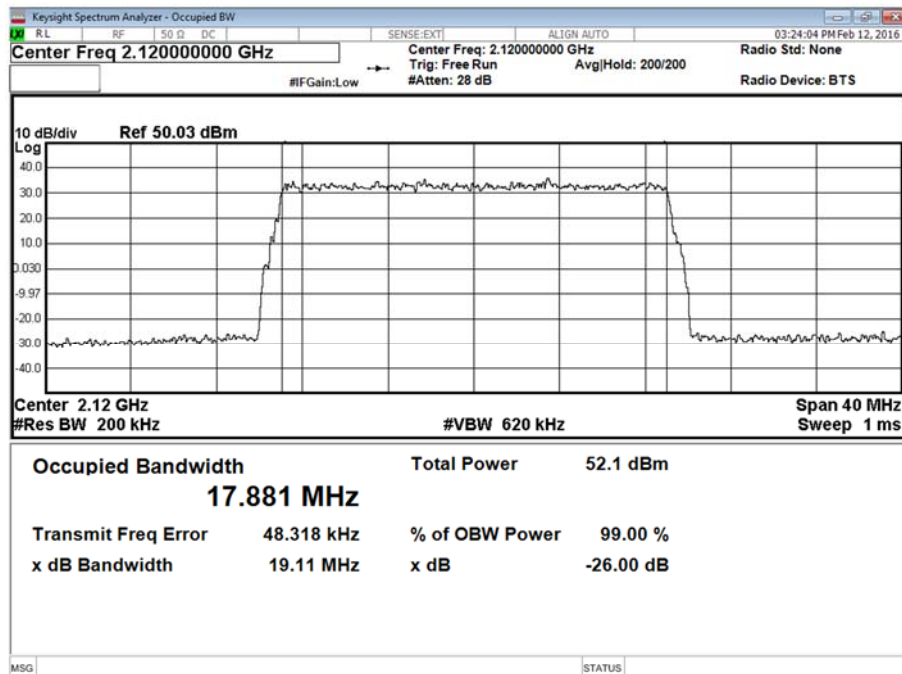
Channel Position B - Bandwidth 10.0 MHz - Antenna C



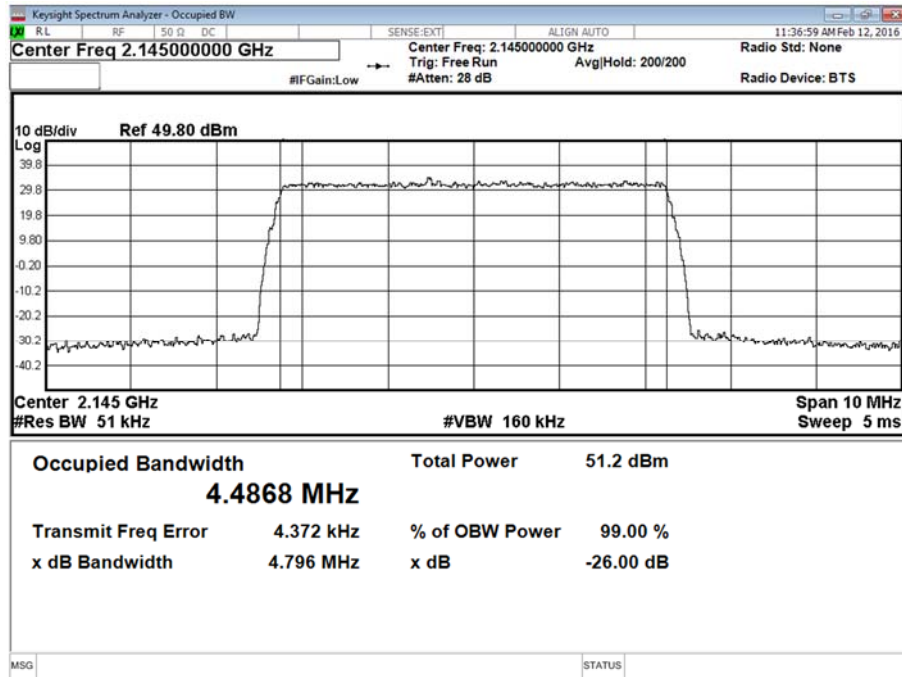
Channel Position B - Bandwidth 15.0 MHz - Antenna C



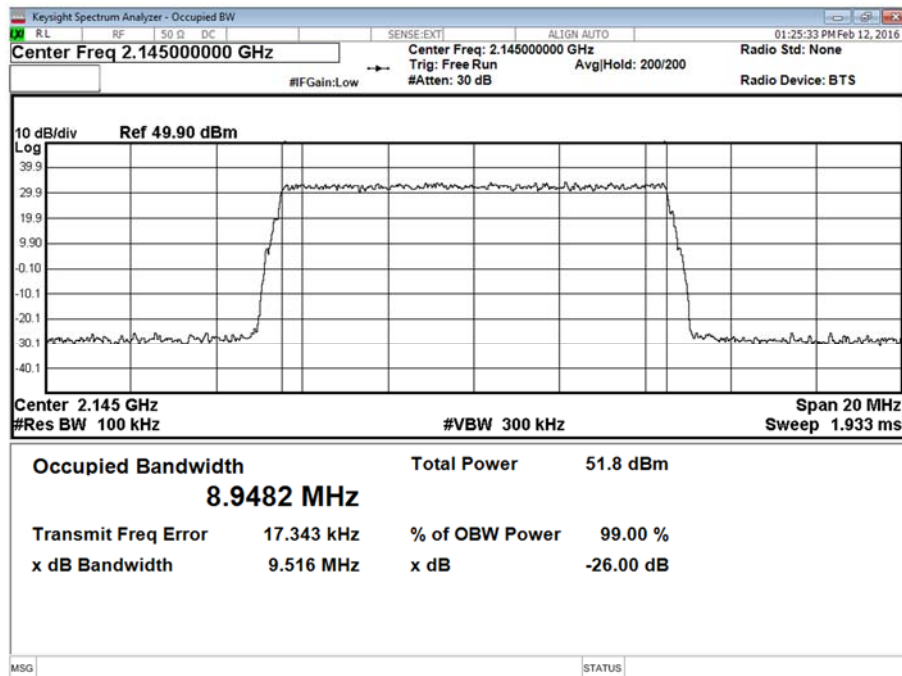
Channel Position B - Bandwidth 20.0 MHz - Antenna C



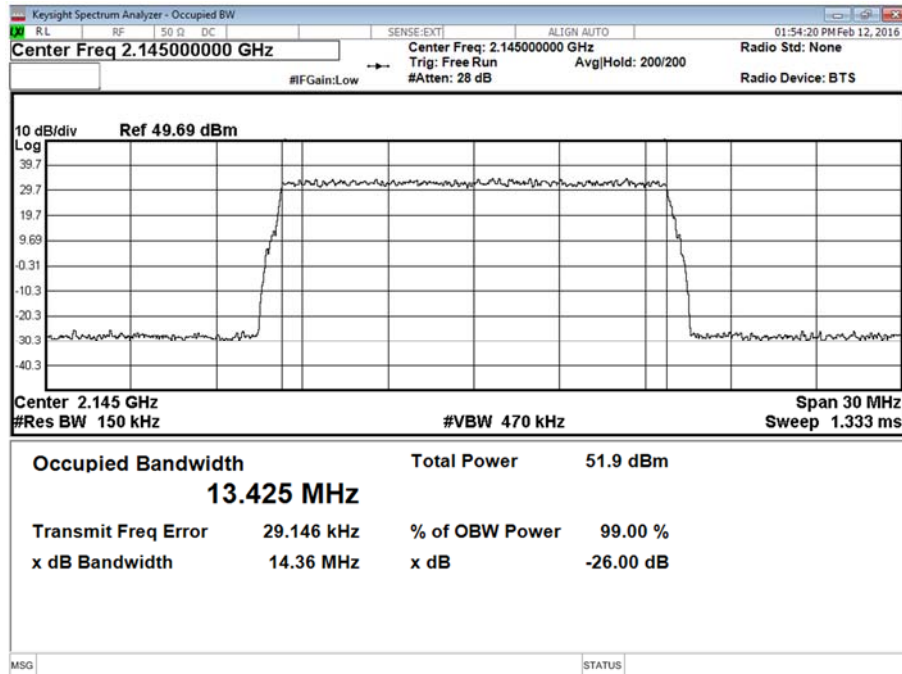
Channel Position M - Bandwidth 5.0 MHz - Antenna C



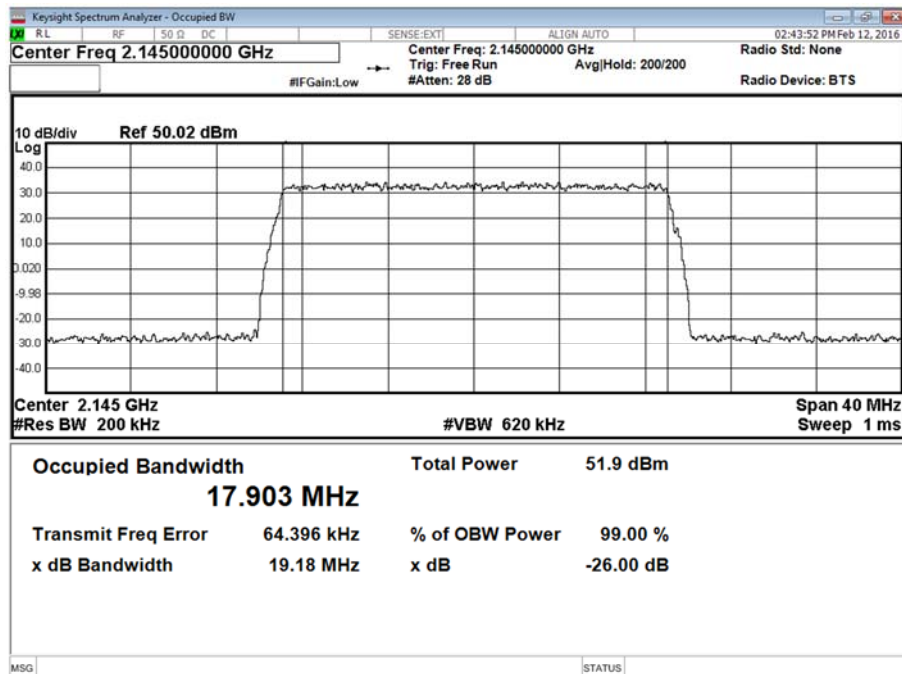
Channel Position M - Bandwidth 10.0 MHz - Antenna C



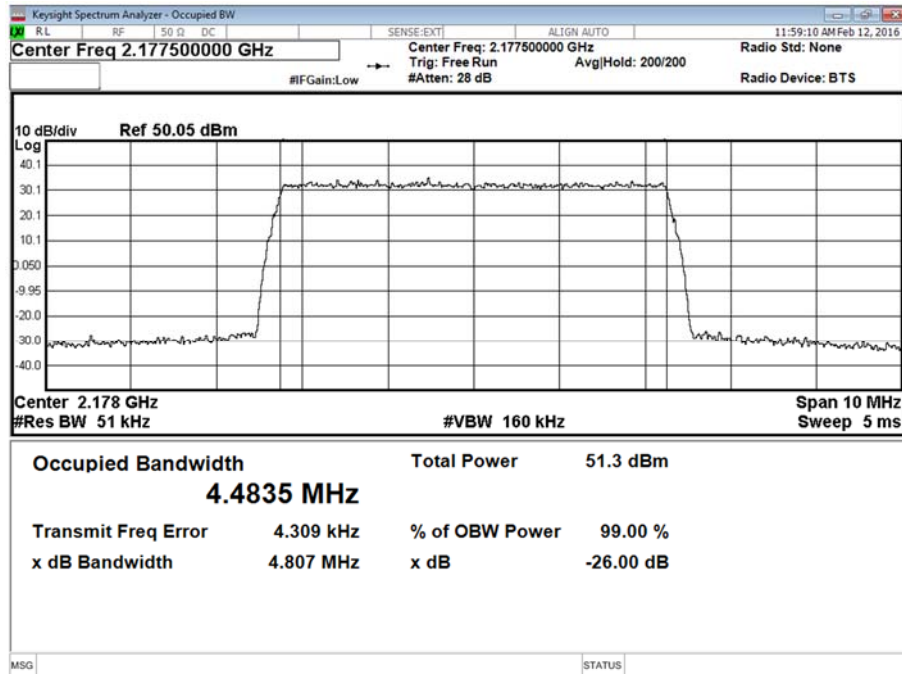
Channel Position M - Bandwidth 15.0 MHz - Antenna C



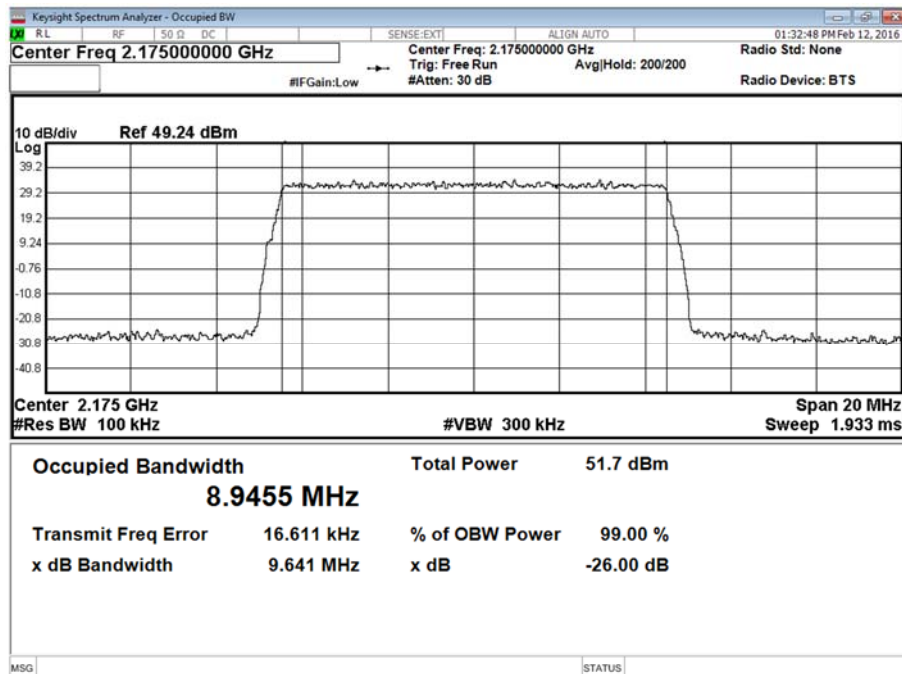
Channel Position M - Bandwidth 20.0 MHz - Antenna C



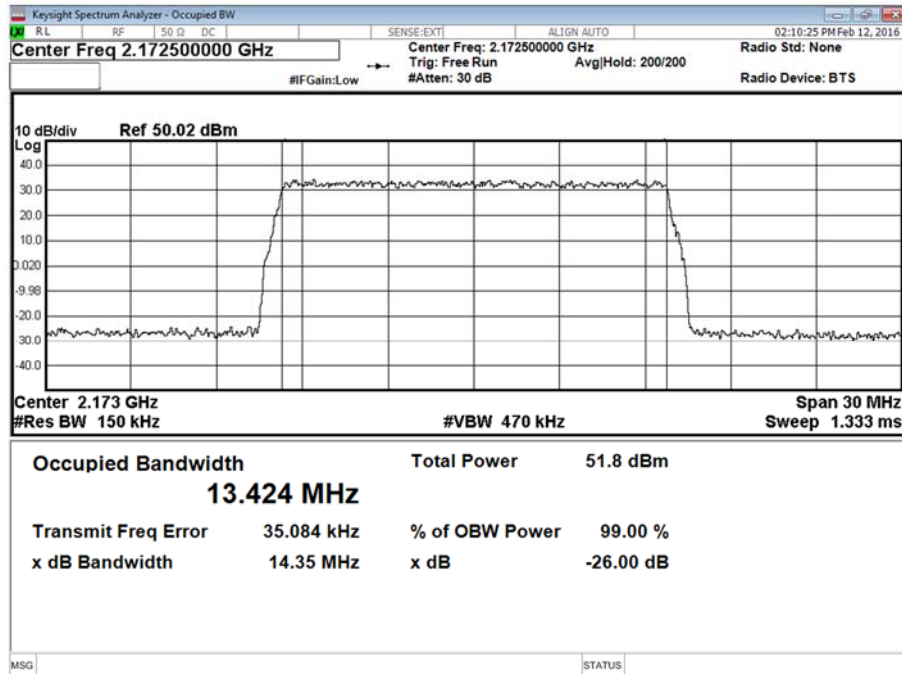
Channel Position T - Bandwidth 5.0 MHz - Antenna C



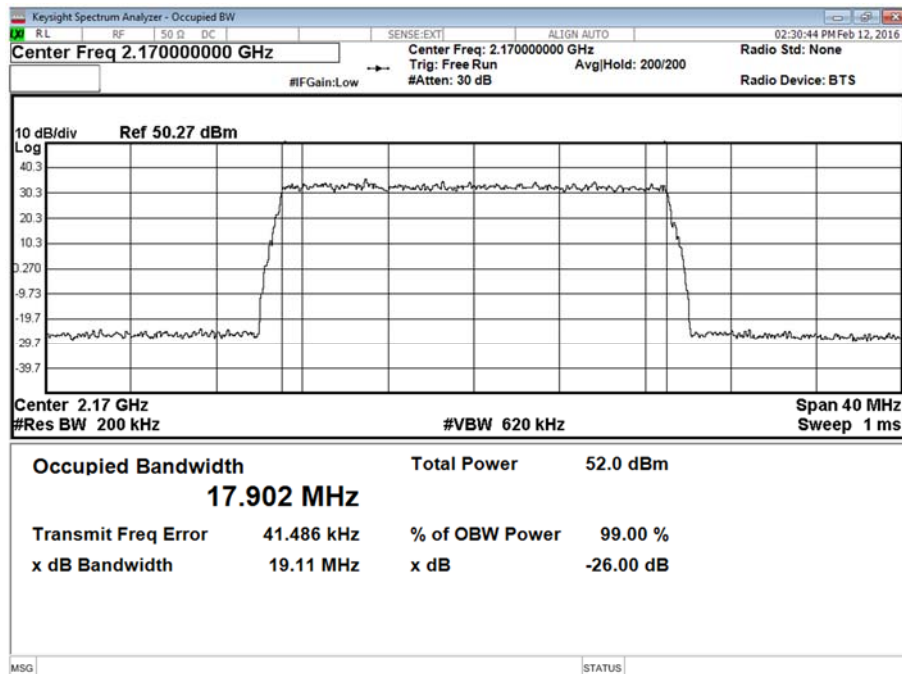
Channel Position T - Bandwidth 10.0 MHz - Antenna C



Channel Position T - Bandwidth 15.0 MHz - Antenna C



Channel Position T - Bandwidth 20.0 MHz - Antenna C

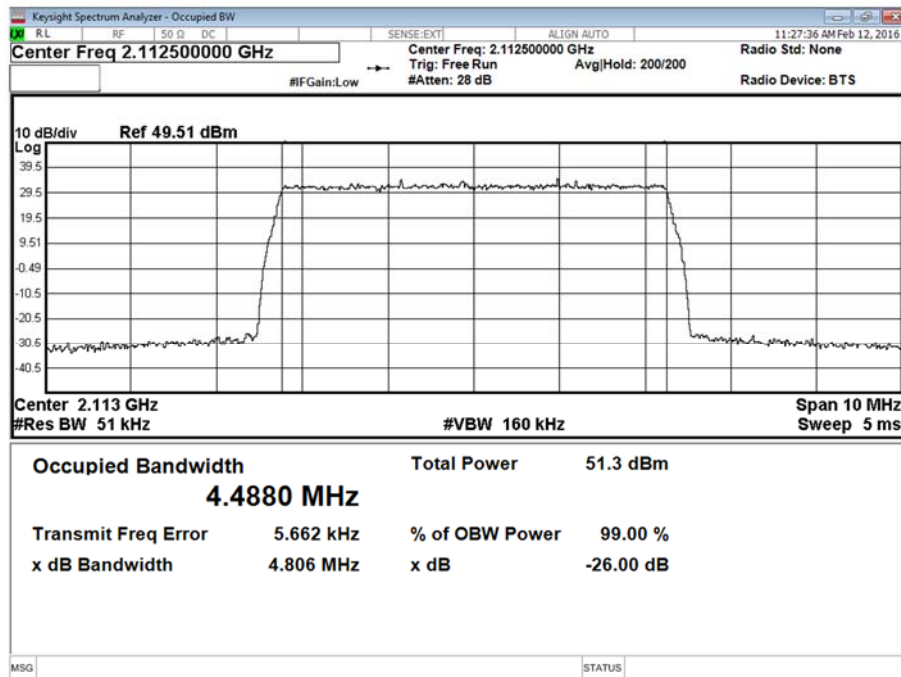


Configuration 3 Antenna D

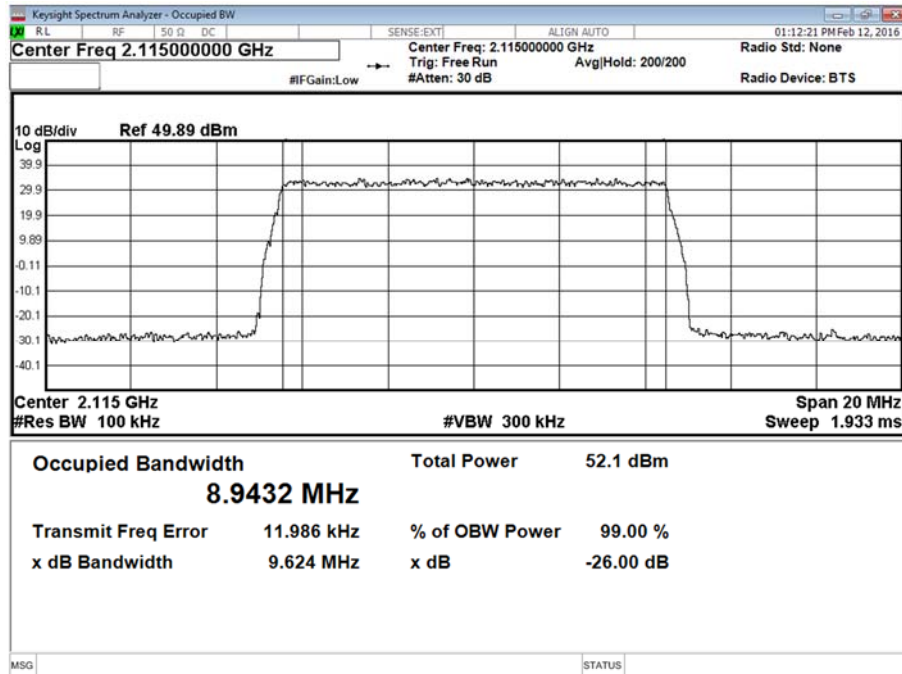
Maximum Output Power 44.77 dBm

Carrier Bandwidth / Modulation	Result (kHz)					
	Channel Position B		Channel Position M		Channel Position T	
	Occupied Bandwidth	-26 dB Bandwidth	Occupied Bandwidth	-26 dB Bandwidth	Occupied Bandwidth	-26 dB Bandwidth
5.0 MHz / QPSK	4,488.01	4,805.58	4,482.40	4,788.24	4,485.18	4,799.77
10.0 MHz / QPSK	8,943.19	9,624.41	8,946.44	9,598.56	8,969.15	9,576.69
15.0 MHz / QPSK	13,437.70	14,360.38	13,410.49	14,387.67	13,394.97	14,337.62
20.0 MHz / QPSK	17,911.10	19,190.20	17,905.33	19,124.51	17,876.27	19,169.64

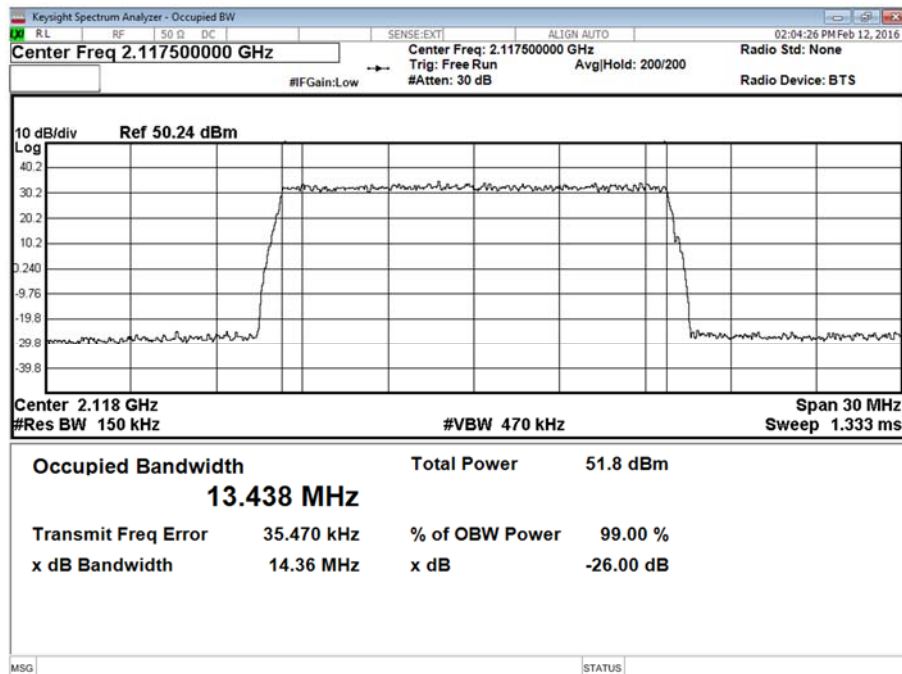
Channel Position B - Bandwidth 5.0 MHz - Antenna D



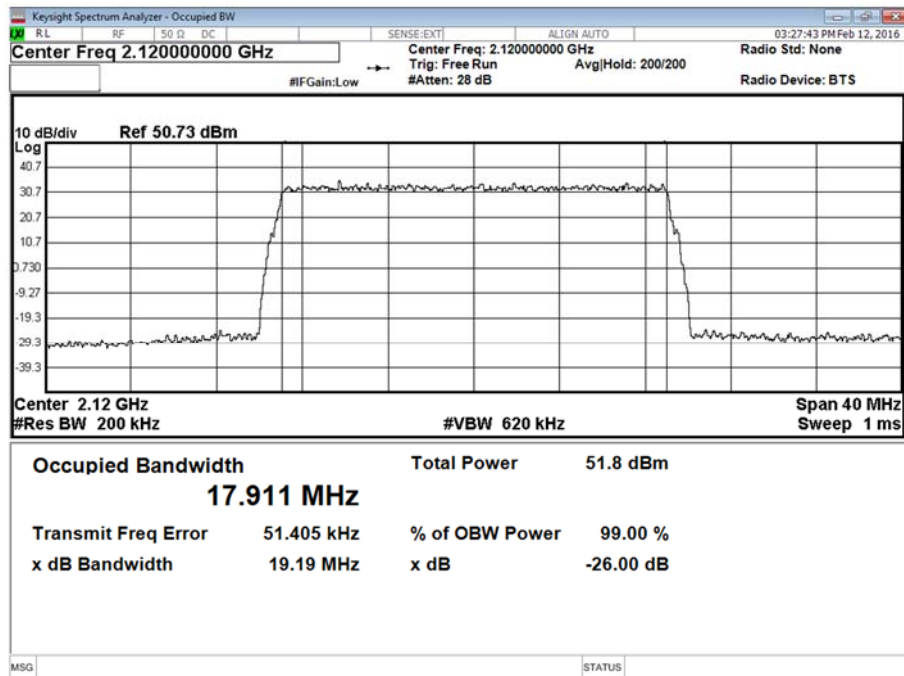
Channel Position B - Bandwidth 10.0 MHz - Antenna D



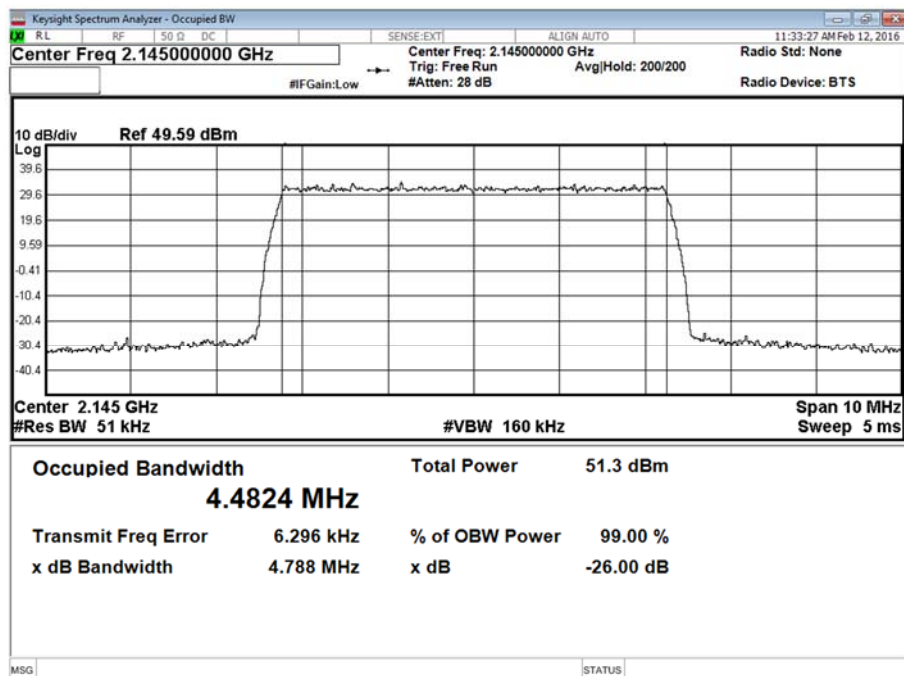
Channel Position B - Bandwidth 15.0 MHz - Antenna D



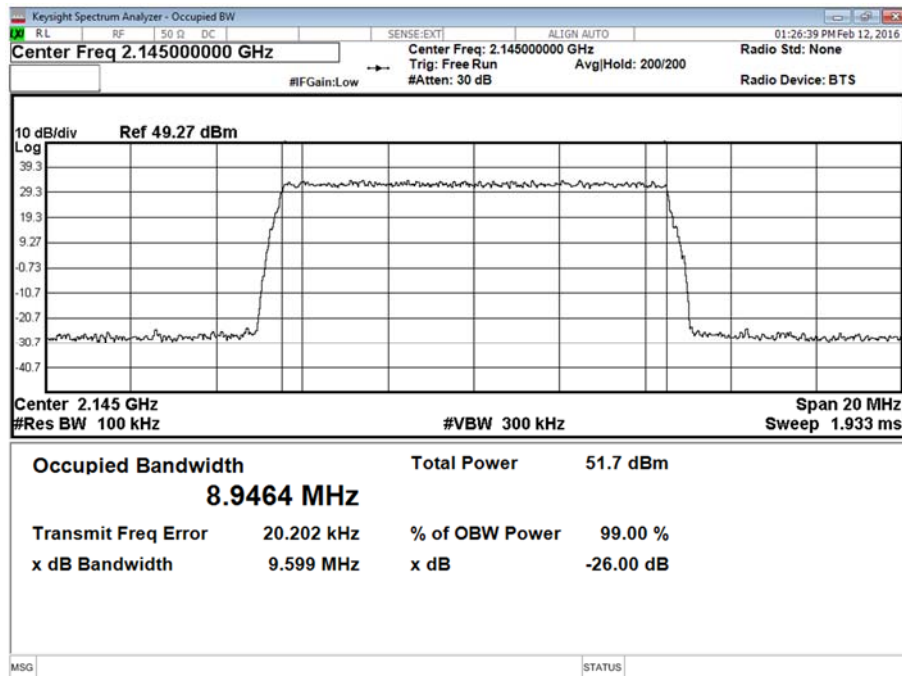
Channel Position B - Bandwidth 20.0 MHz - Antenna D



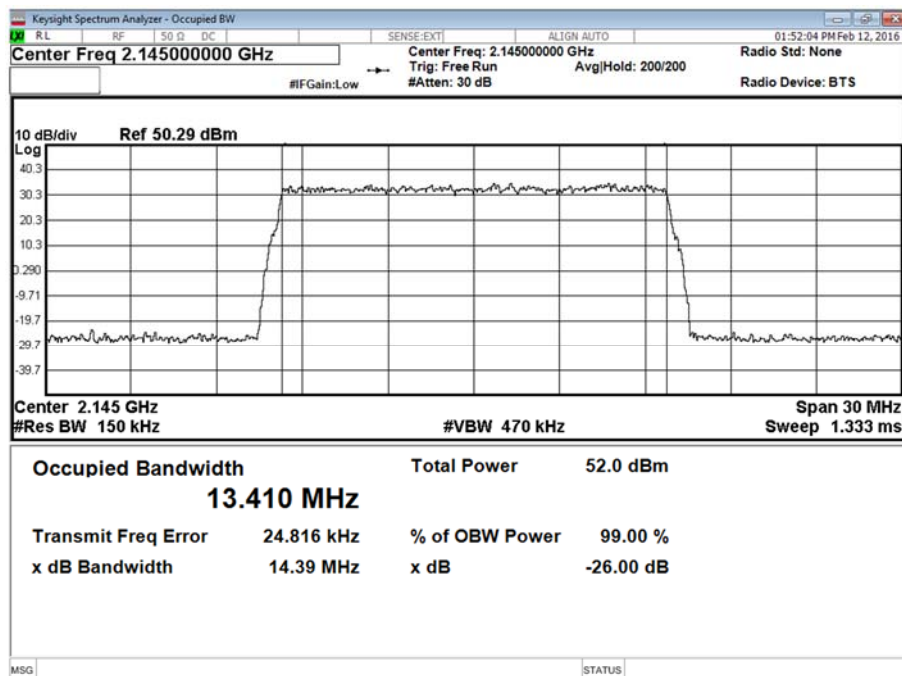
Channel Position M - Bandwidth 5.0 MHz - Antenna D



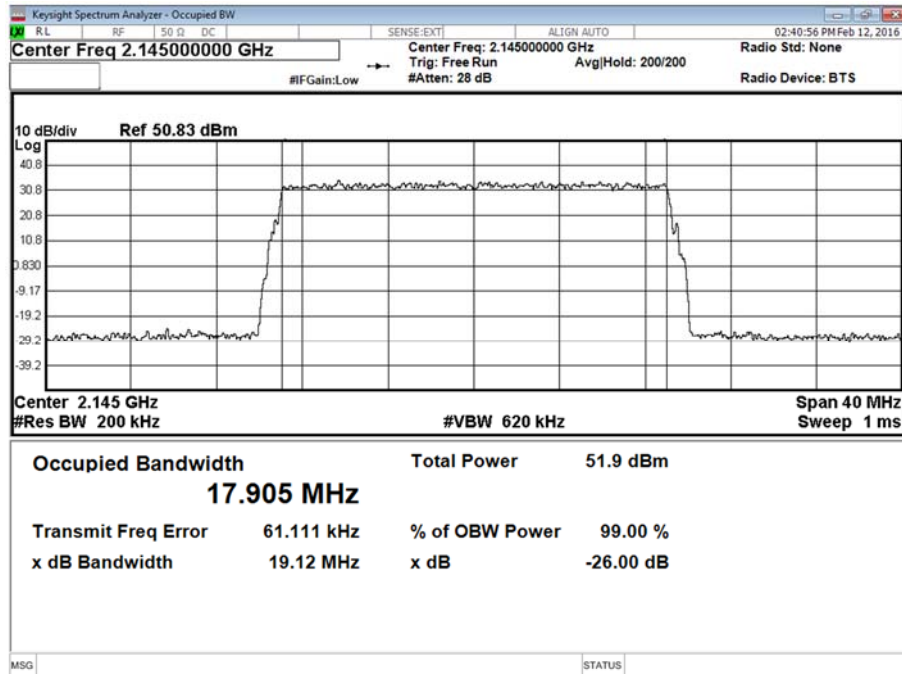
Channel Position M - Bandwidth 10.0 MHz - Antenna D



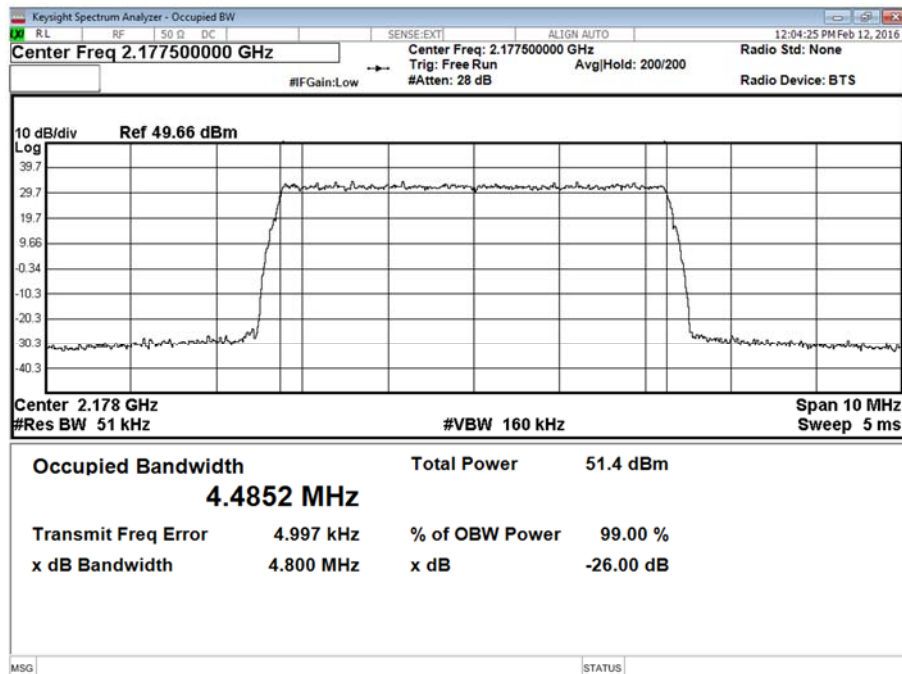
Channel Position M - Bandwidth 15.0 MHz - Antenna D



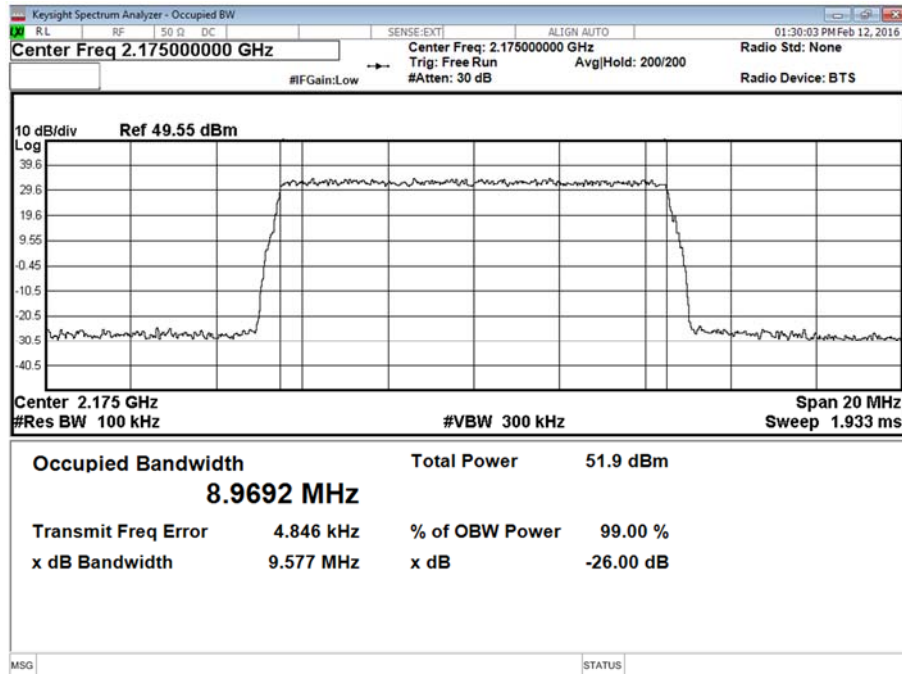
Channel Position M - Bandwidth 20.0 MHz - Antenna D



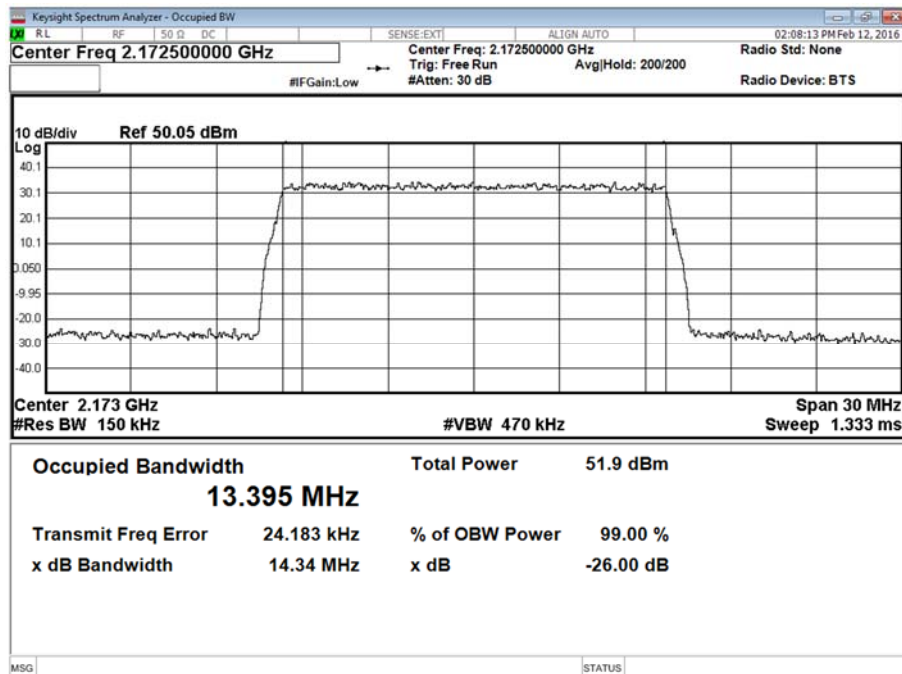
Channel Position T - Bandwidth 5.0 MHz - Antenna D



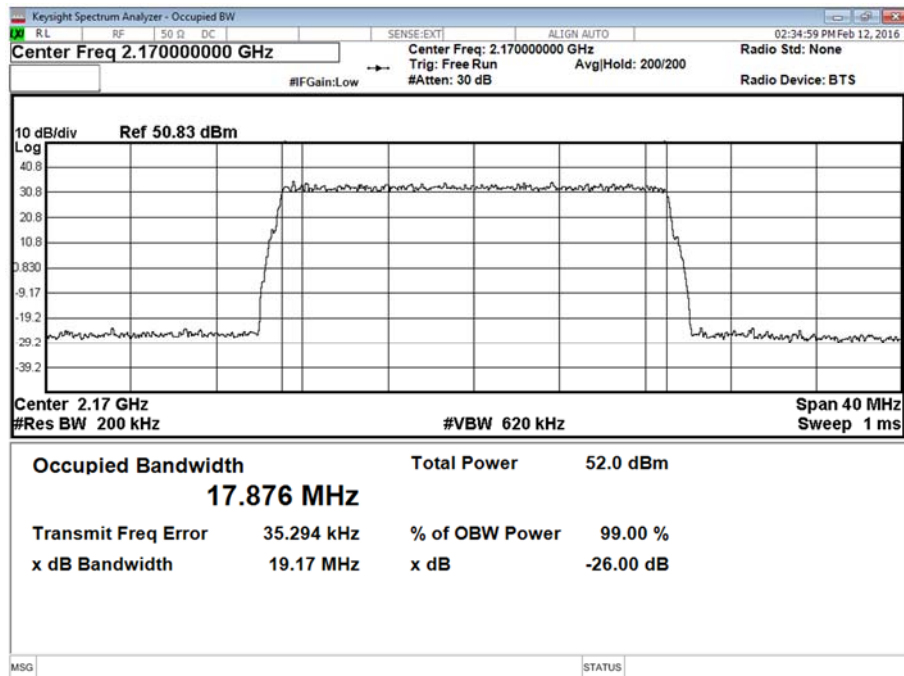
Channel Position T - Bandwidth 10.0 MHz - Antenna D



Channel Position T - Bandwidth 15.0 MHz - Antenna D



Channel Position T - Bandwidth 20.0 MHz - Antenna D



2.3 BAND EDGE

2.3.1 Specification Reference

FCC CFR 47 Part 2, Clause 2.1051
FCC CFR 47 Part 27, Clause 27.53 (h)
Industry Canada RSS-139, Clause 6.6

2.3.2 Date of Test and Modification State

16 February - Modification State 0

2.3.3 Test Equipment Used

The major items of test equipment used for the above tests are identified in Section 3.1.

2.3.4 Environmental Conditions

Ambient Temperature 25.1 - 25.9°C
Relative Humidity 20.4 - 21.8%

2.3.5 Test Method

The EUT was connected to a Signal Analyser via an attenuator and an RF switch. The path loss between the EUT and the Analyser was measured using a Network Analyser and entered as a Reference Level Offset.

The EUT was set to transmit at its maximum rated output power in the configurations described in the tables below.

The Band Power function of the Analyser with an RMS detector was used to make measurements at the Top and Bottom of the band using an integration bandwidth which was at least 1% of the measured 26dB bandwidth.

The test limits were set to a worst case value of -19dBm (4 port MIMO).

Testing was performed on all ports.

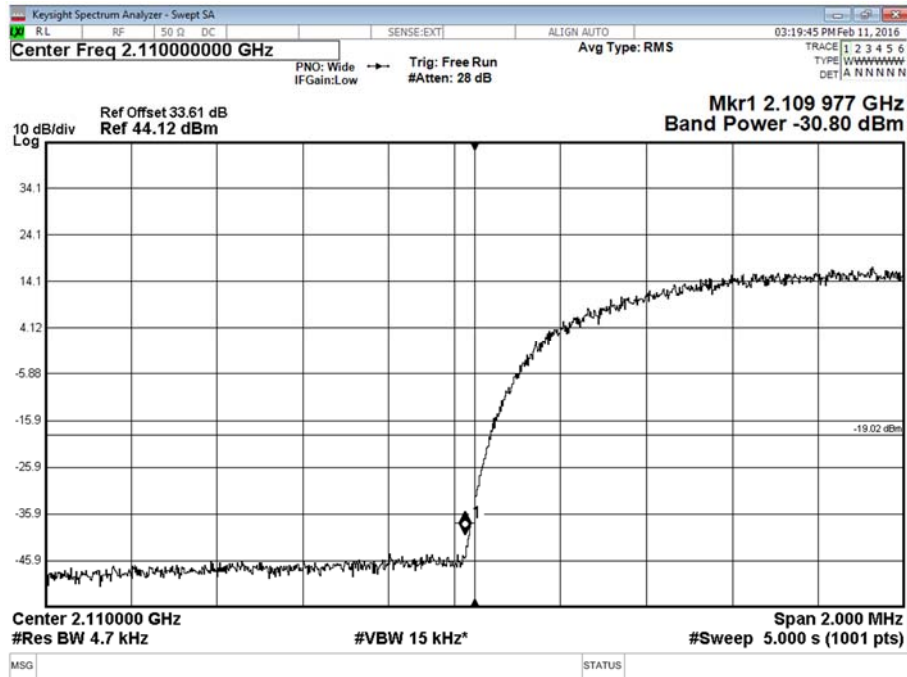
2.3.6 Test Results

Configuration 1 Antenna A

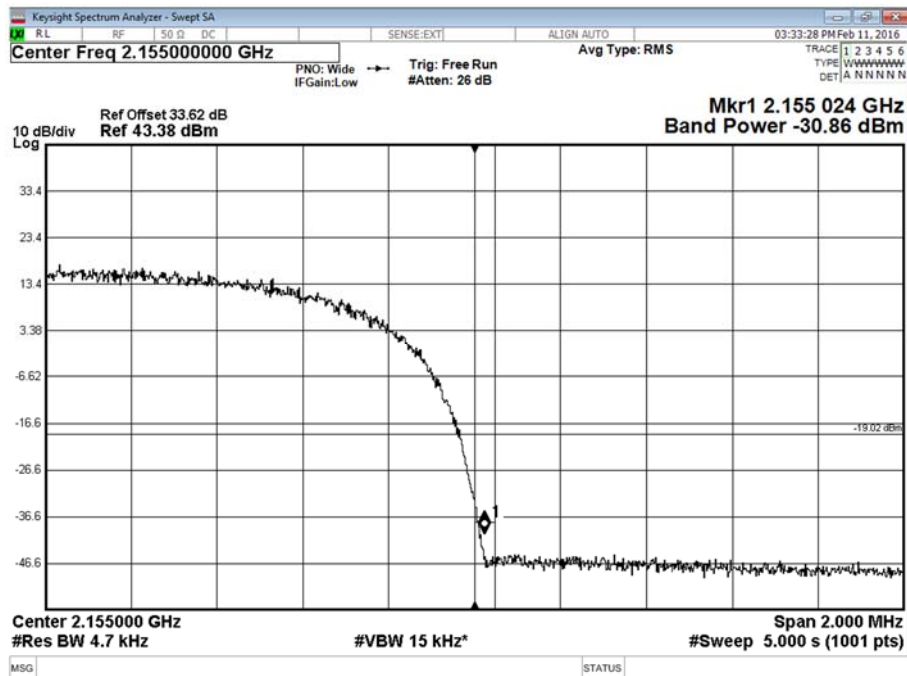
Maximum Output Power 44.77 dBm

Modulation	Band Edge (MHz)	
	Channel Position B	Channel Position T
16QAM	2,112.4	2,152.6

Channel Position B - Bandwidth 5.0 MHz - Antenna A



Channel Position T - Bandwidth 5.0 MHz - Antenna A

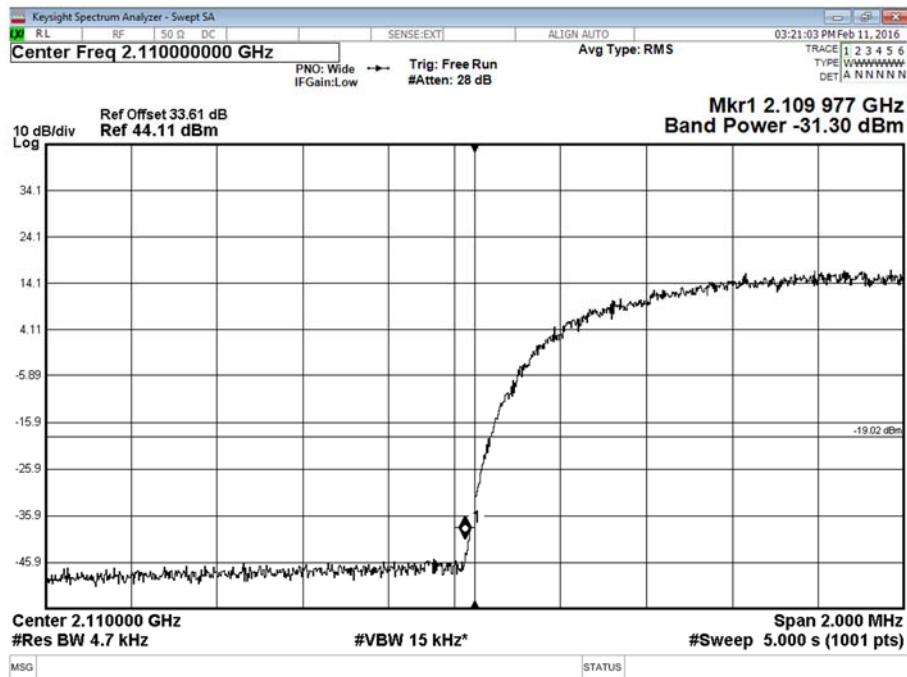


Configuration 1 Antenna B

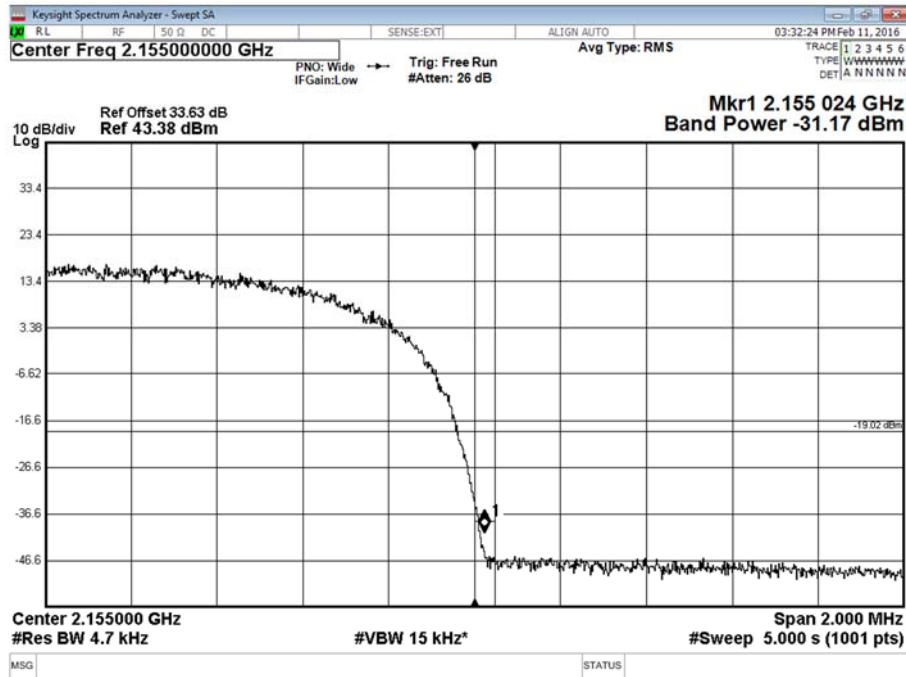
Maximum Output Power 44.77 dBm

Modulation	Band Edge (MHz)	
	Channel Position B	Channel Position T
16QAM	2,112.4	2,152.6

Channel Position B - Bandwidth 5.0 MHz - Antenna B



Channel Position T - Bandwidth 5.0 MHz - Antenna B

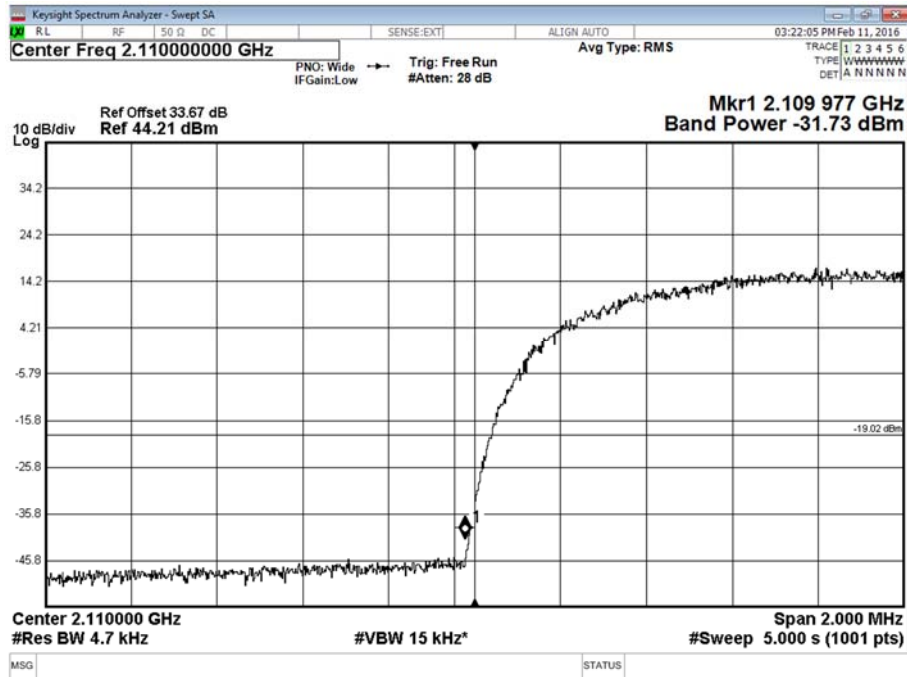


Configuration Antenna C

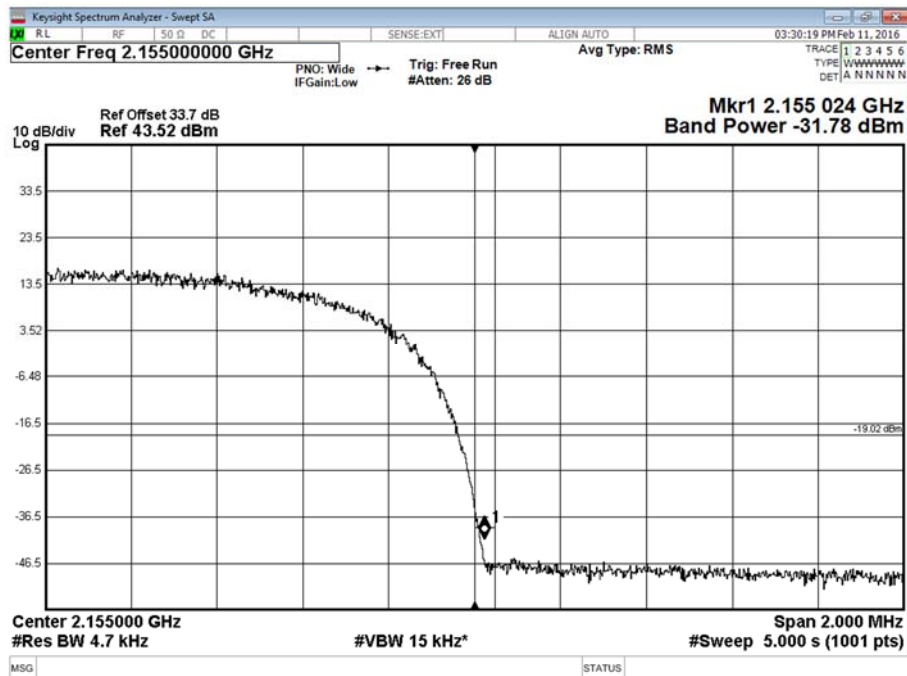
Maximum Output Power 44.77 dBm

Modulation	Band Edge (MHz)	
	Channel Position B	Channel Position T
16QAM	2,112.4	2,152.6

Channel Position B - Bandwidth 5.0 MHz - Antenna C



Channel Position T - Bandwidth 5.0 MHz - Antenna C

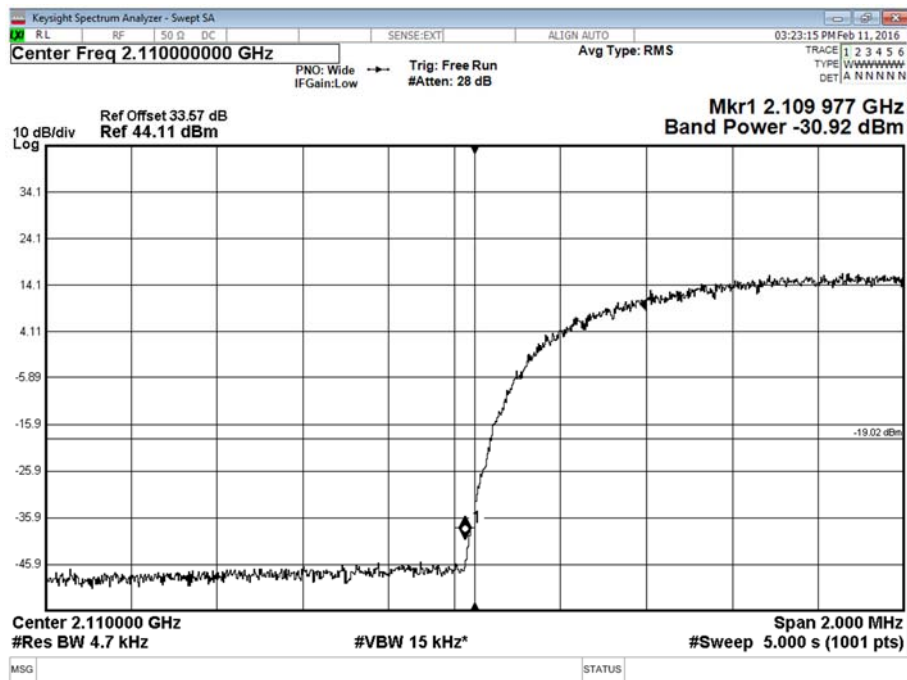


Configuration 1 Antenna D

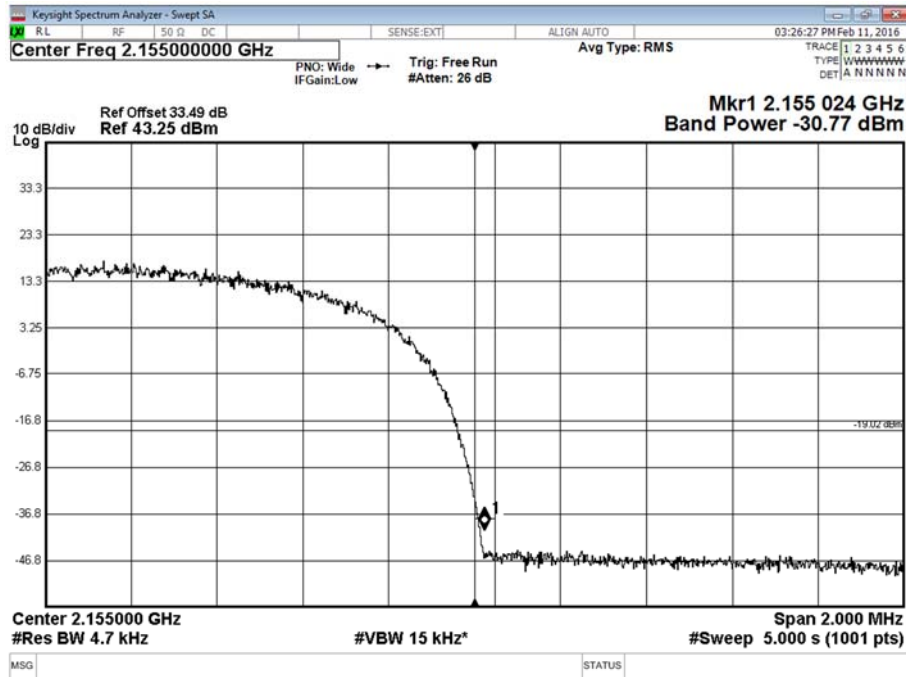
Maximum Output Power 44.77 dBm

Modulation	Band Edge (MHz)	
	Channel Position B	Channel Position T
16QAM	2,112.4	2,152.6

Channel Position B - Bandwidth 5.0 MHz - Antenna D



Channel Position T - Bandwidth 5.0 MHz - Antenna D

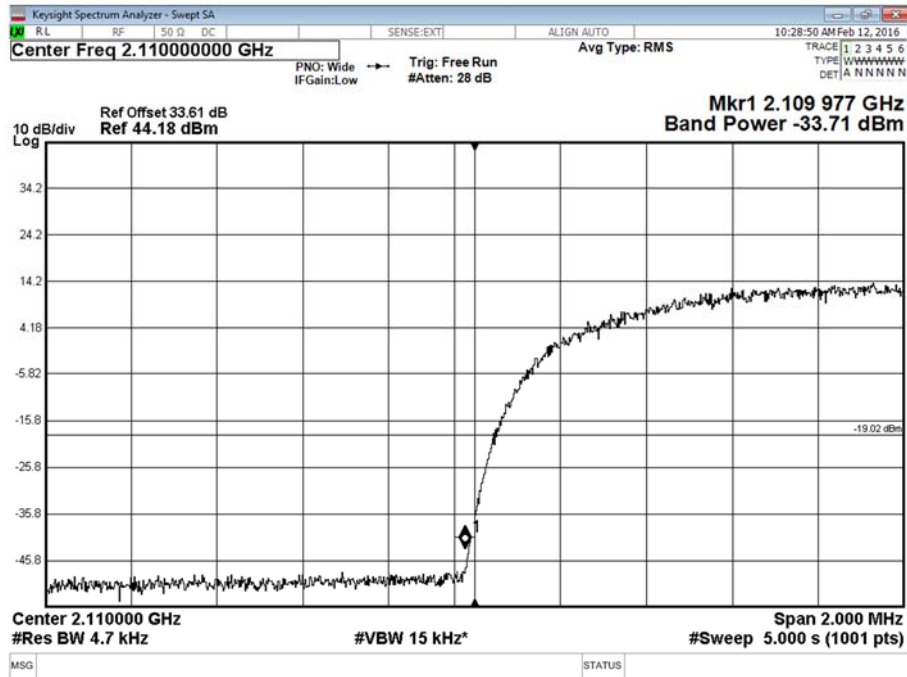


Configuration 2 Antenna A

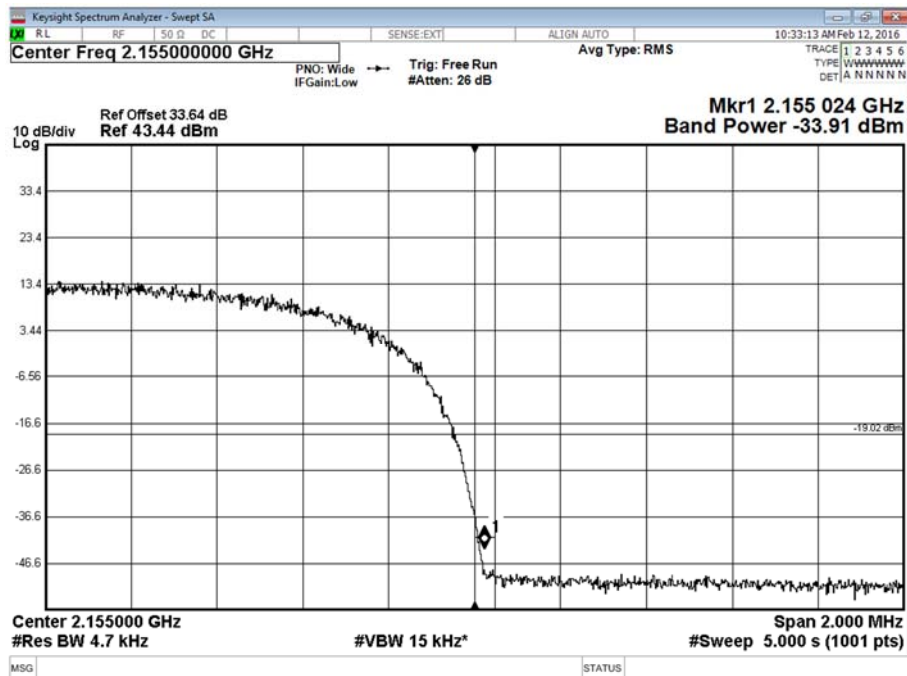
Maximum Output Power 44.77 dBm

Modulation	Band Edge (MHz)	
	Channel Position B	Channel Position T
16QAM	2112.4 + 2117.4	2147.6 + 2152.6

Channel Position B - Bandwidth 5.0 MHz - Antenna A



Channel Position T - Bandwidth 5.0 MHz - Antenna A

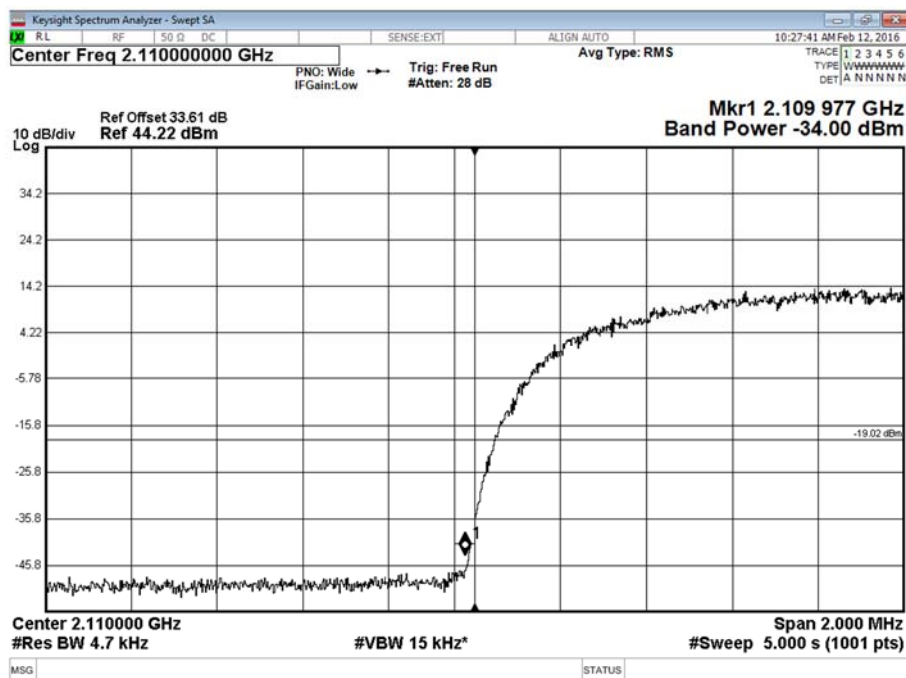


Configuration 2 Antenna B

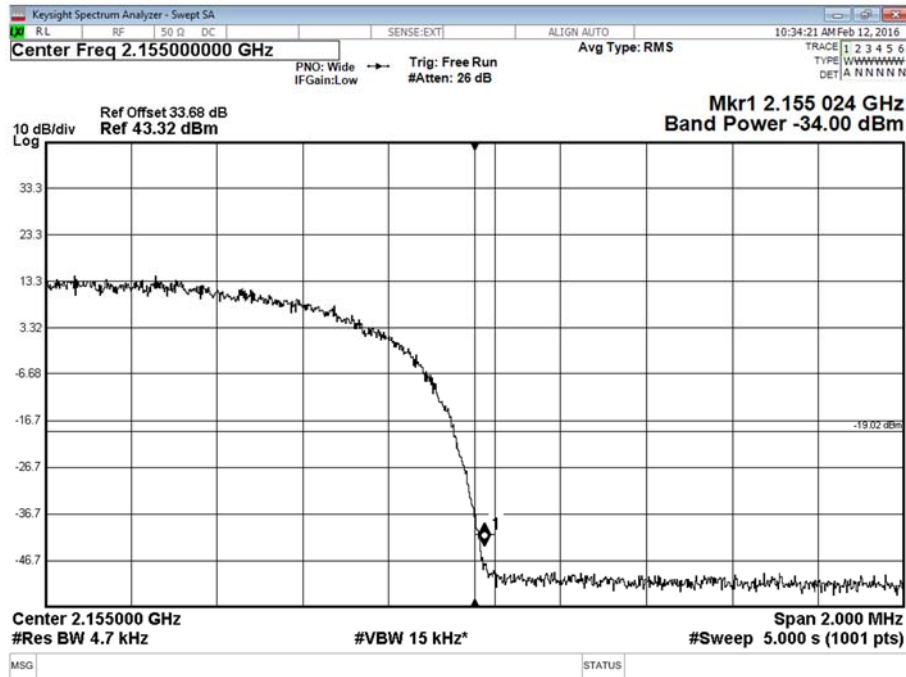
Maximum Output Power 44.77 dBm

Modulation	Band Edge (MHz)	
	Channel Position B	Channel Position T
16QAM	2112.4 + 2117.4	2147.6 + 2152.6

Channel Position B - Bandwidth 5.0 MHz - Antenna B



Channel Position T - Bandwidth 5.0 MHz - Antenna B

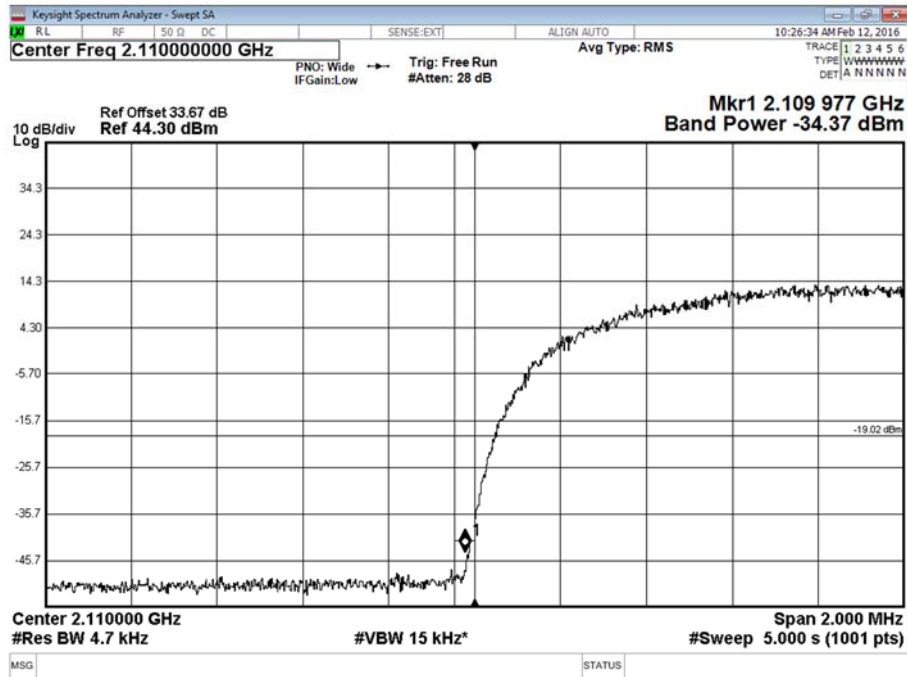


Configuration 2 Antenna C

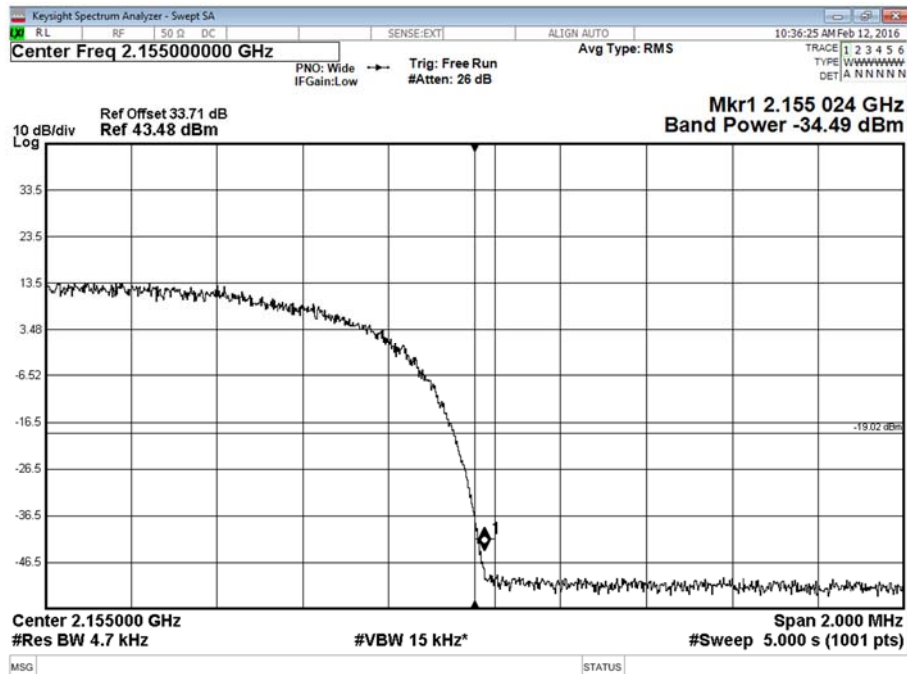
Maximum Output Power 44.77 dBm

Modulation	Band Edge (MHz)	
	Channel Position B	Channel Position T
16QAM	2112.4 + 2117.4	2147.6 + 2152.6

Channel Position B - Bandwidth 5.0 MHz - Antenna C



Channel Position T - Bandwidth 5.0 MHz - Antenna C

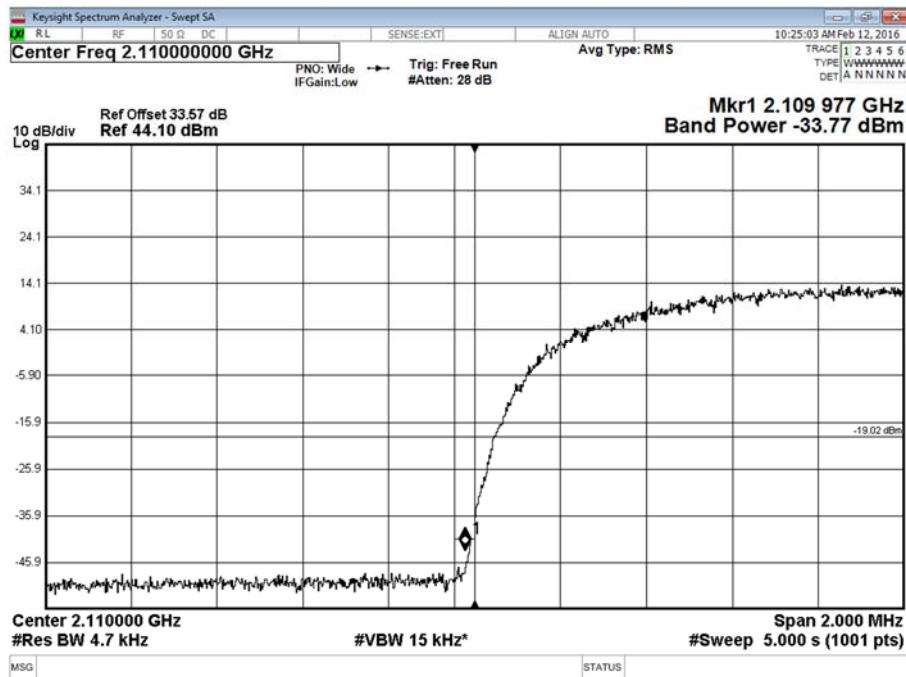


Configuration 2 Antenna D

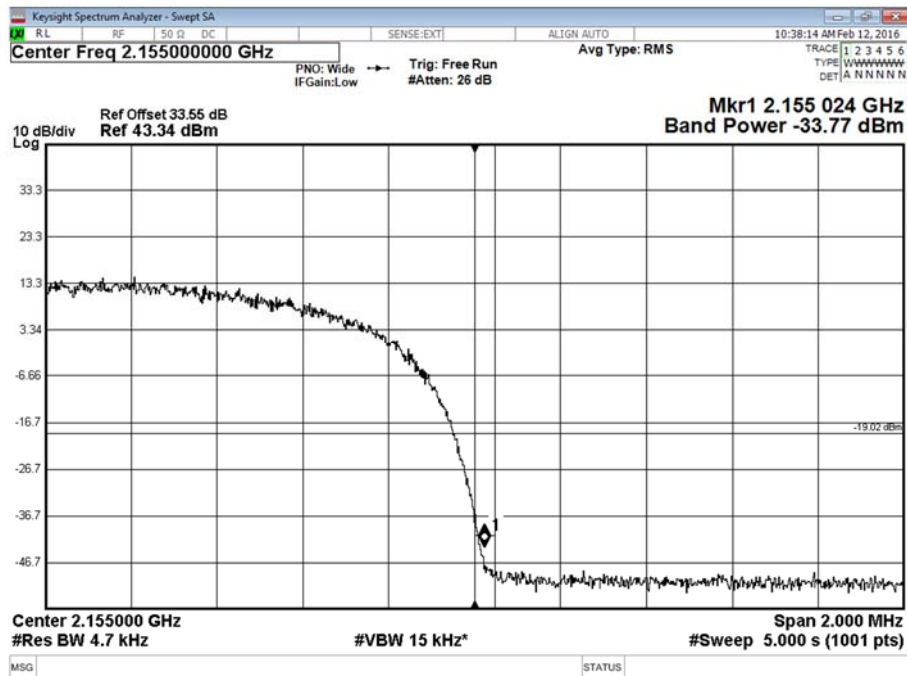
Maximum Output Power 44.77 dBm

Modulation	Band Edge (MHz)	
	Channel Position B	Channel Position T
16QAM	2112.4 + 2117.4	2147.6 + 2152.6

Channel Position B - Bandwidth 5.0 MHz - Antenna D



Channel Position T - Bandwidth 5.0 MHz - Antenna D

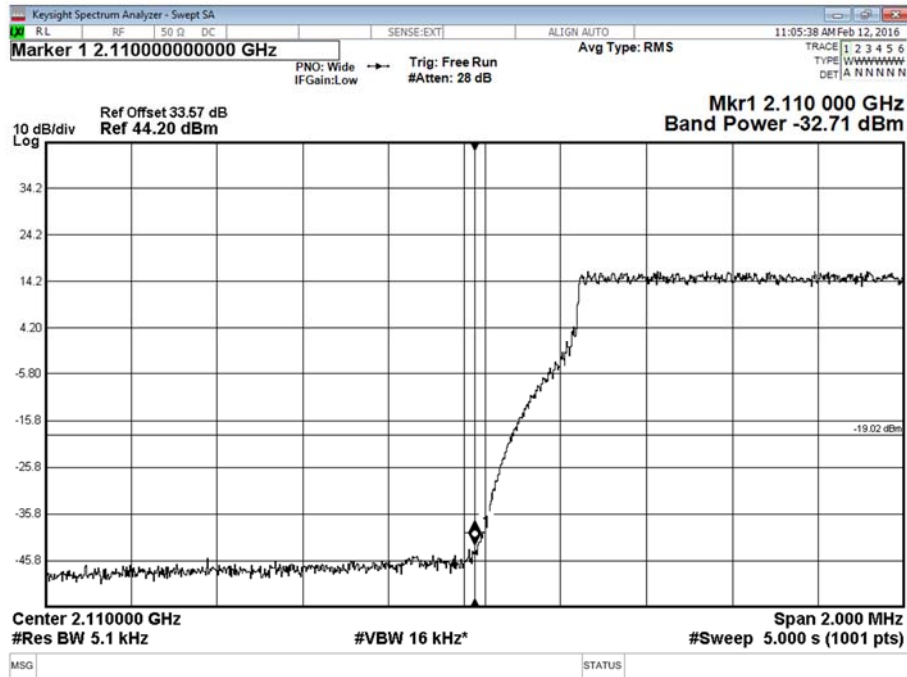


Configuration 3 Antenna A

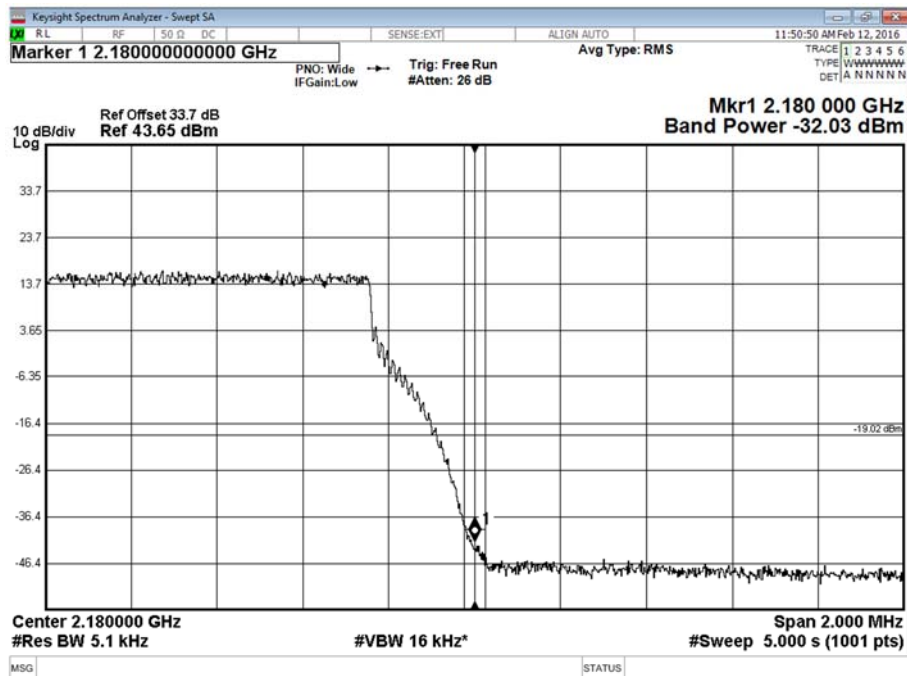
Maximum Output Power 44.77 dBm

Carrier Bandwidth	Modulation	Band Edge (MHz)	
		Channel Position B	Channel Position T
5.0 MHz	QPSK	2,112.5	2,177.5
10.0 MHz	QPSK	2,115.0	2,175.0
15.0 MHz	QPSK	2,117.5	2,172.5
20.0 MHz	QPSK	2,120.0	2,170.0

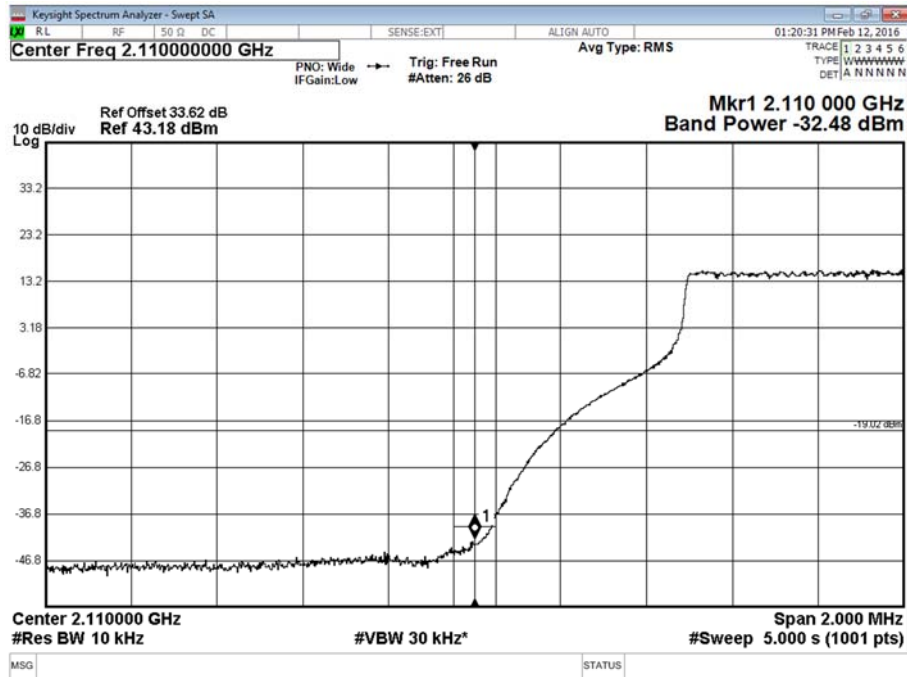
Channel Position B - Bandwidth 5.0 MHz - Antenna A



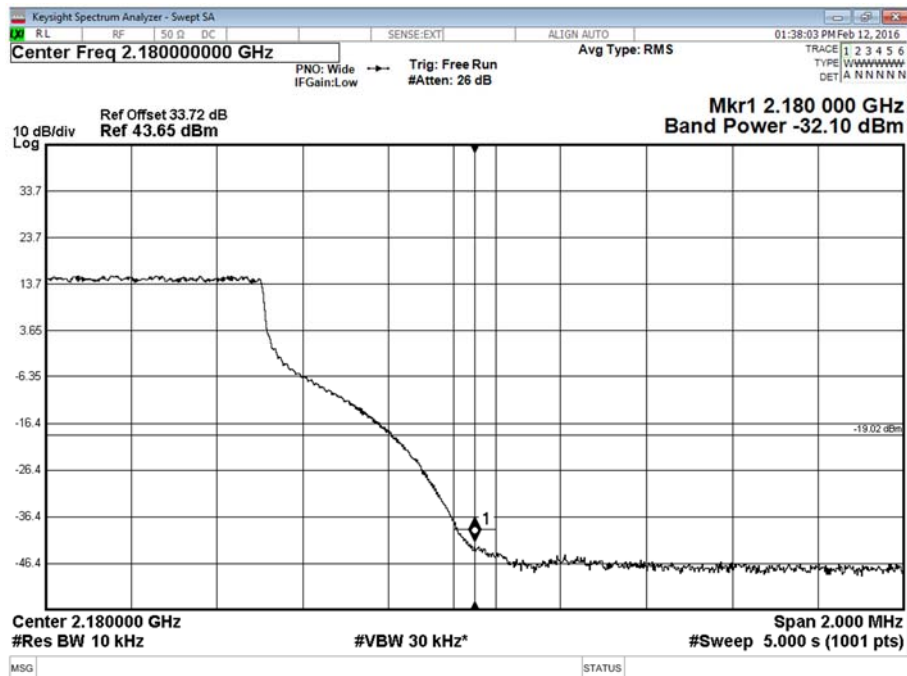
Channel Position T - Bandwidth 5.0 MHz - Antenna A



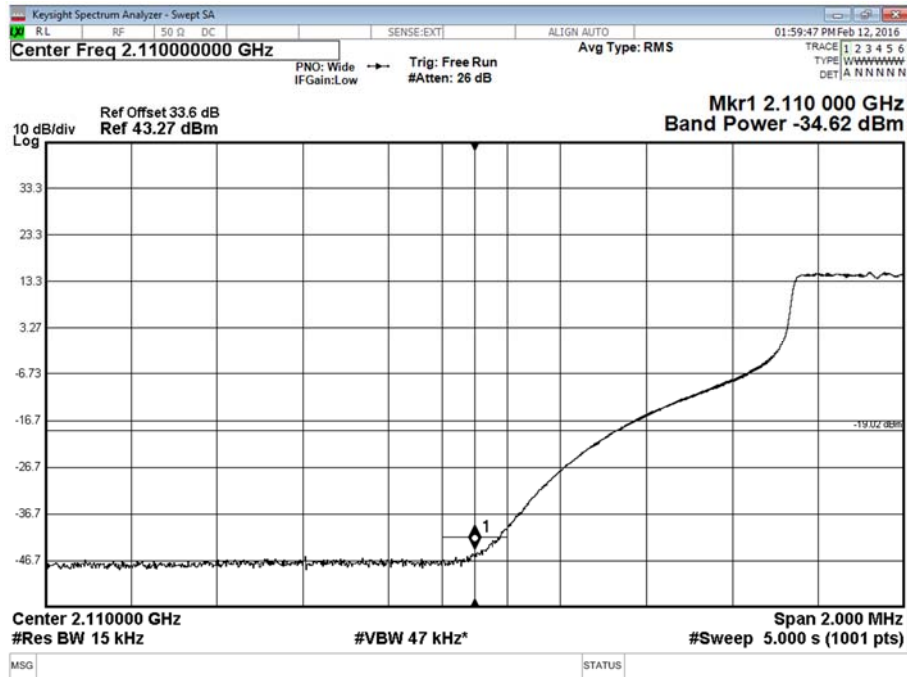
Channel Position B - Bandwidth 10.0 MHz - Antenna A



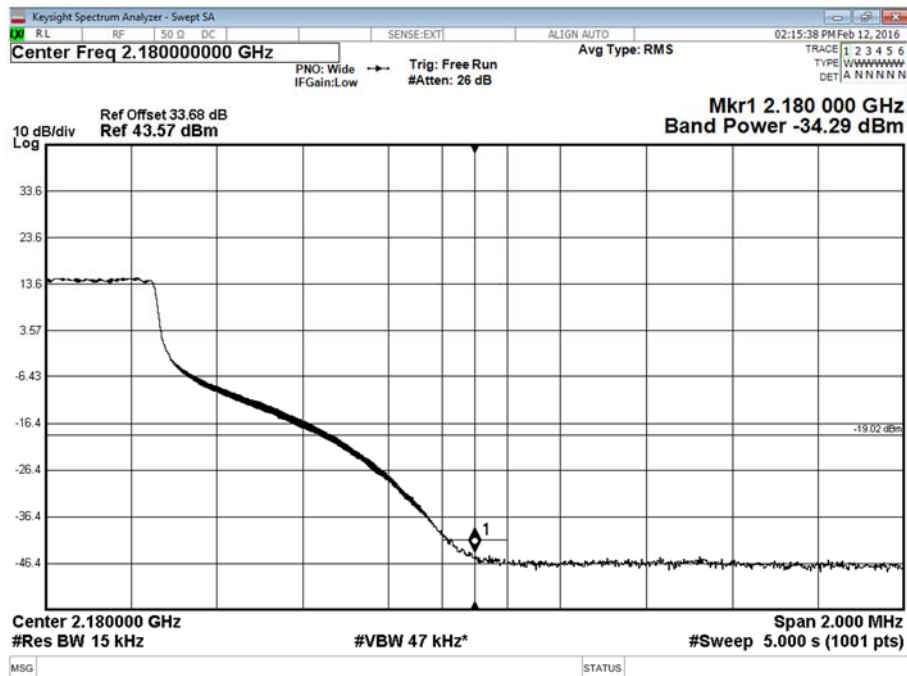
Channel Position T - Bandwidth 10.0 MHz - Antenna A



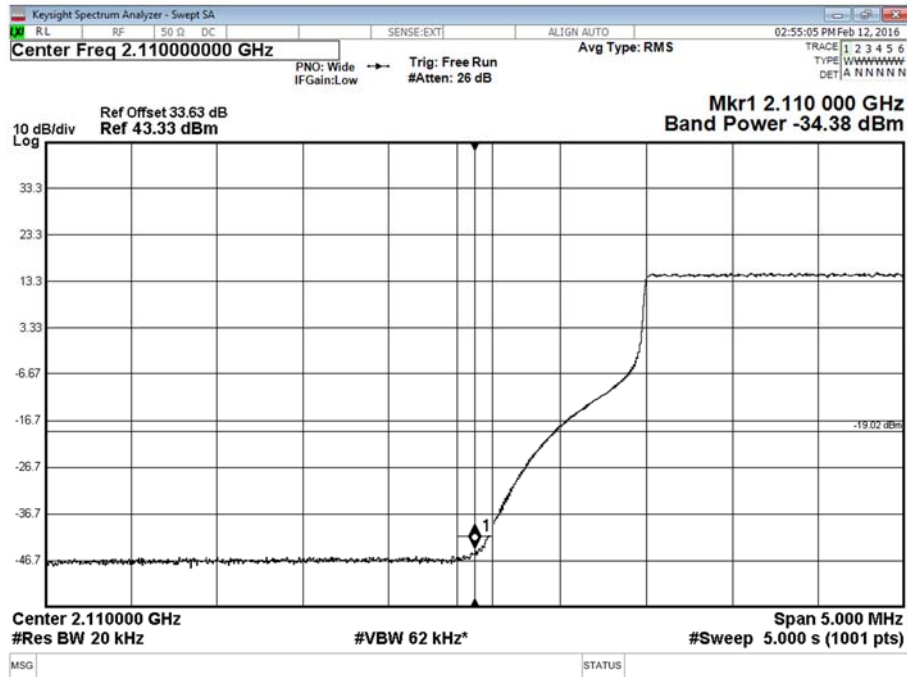
Channel Position B - Bandwidth 15.0 MHz - Antenna A



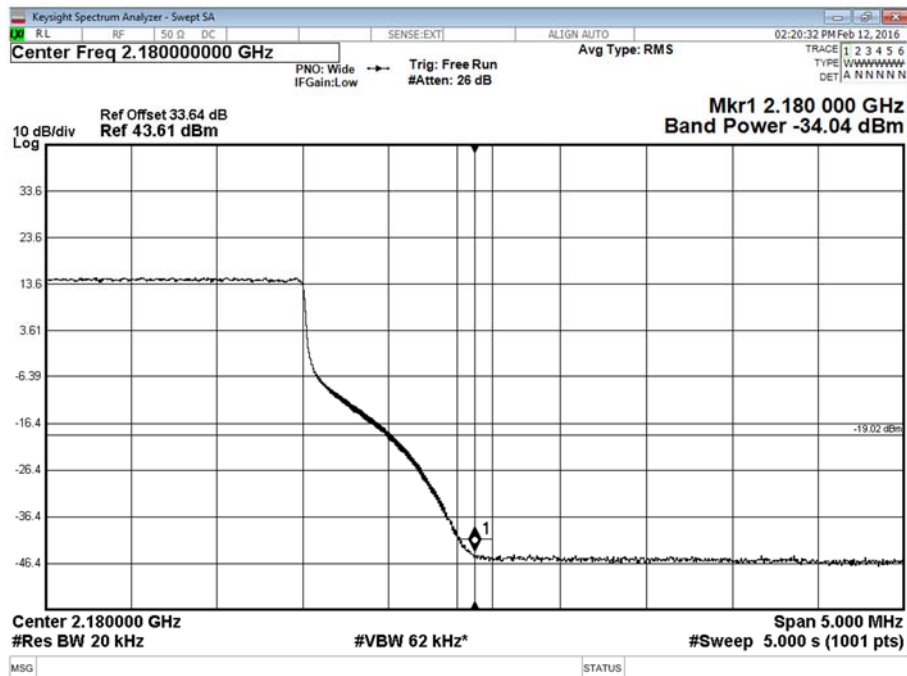
Channel Position T - Bandwidth 15.0 MHz - Antenna A



Channel Position B - Bandwidth 20.0 MHz - Antenna A



Channel Position T - Bandwidth 20.0 MHz - Antenna A

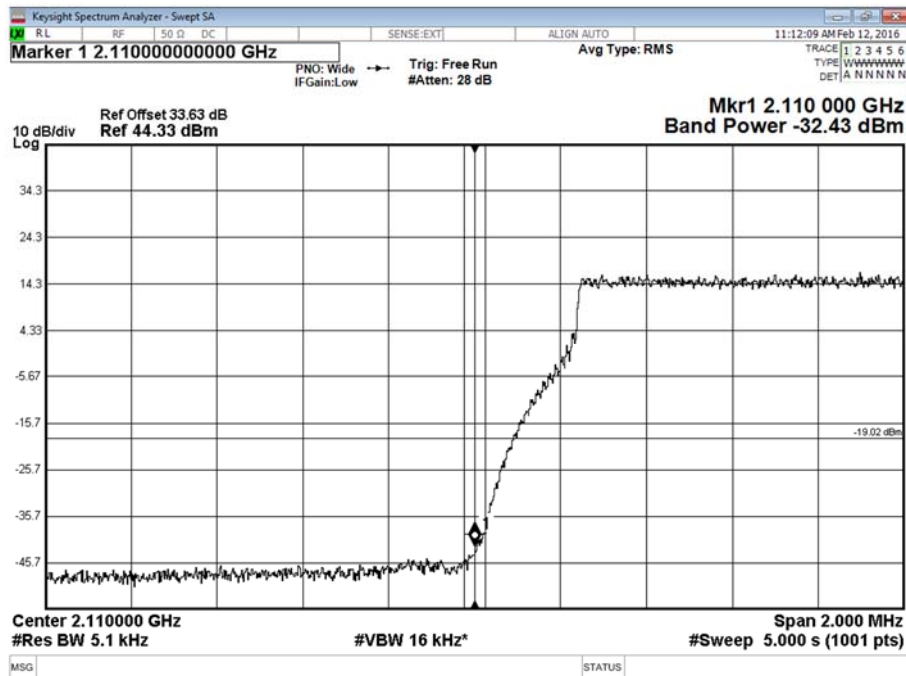


Configuration 3 Antenna B

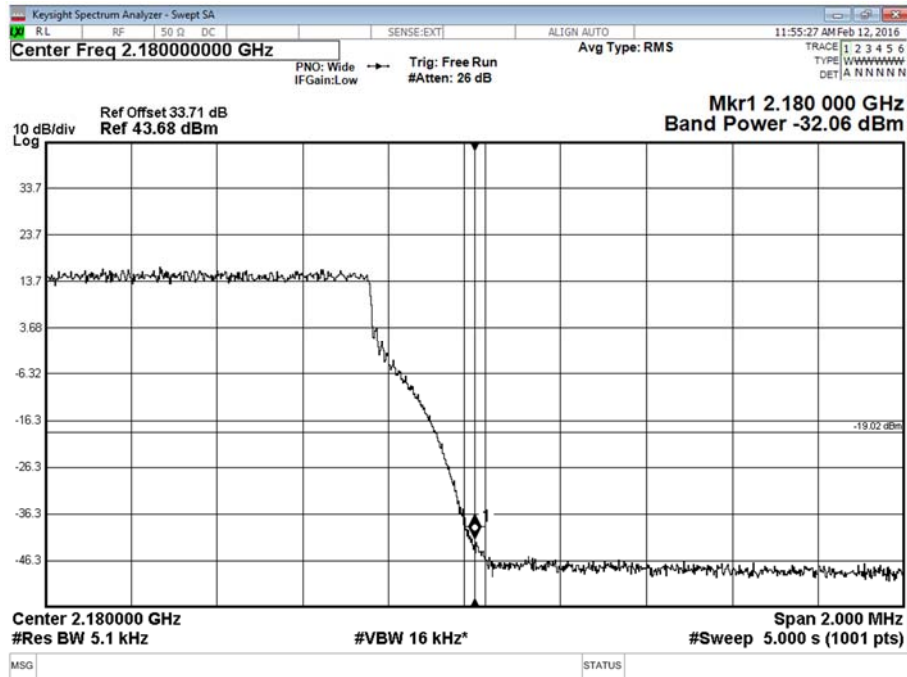
Maximum Output Power 44.77 dBm

Carrier Bandwidth	Modulation	Band Edge (MHz)	
		Channel Position B	Channel Position T
5.0 MHz	QPSK	2,112.5	2,177.5
10.0 MHz	QPSK	2,115.0	2,175.0
15.0 MHz	QPSK	2,117.5	2,172.5
20.0 MHz	QPSK	2,120.0	2,170.0

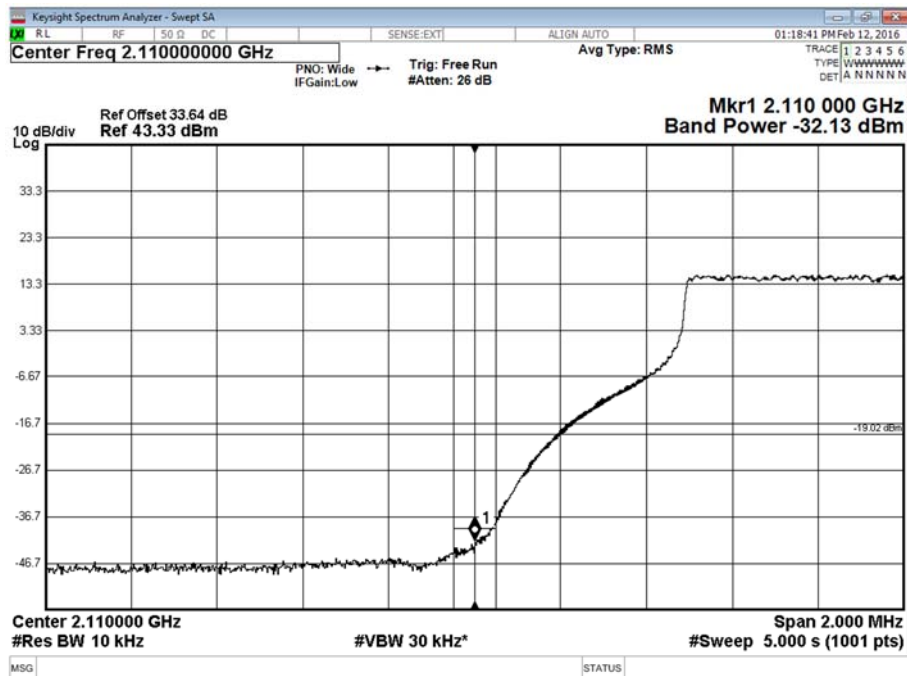
Channel Position B - Bandwidth 5.0 MHz - Antenna B



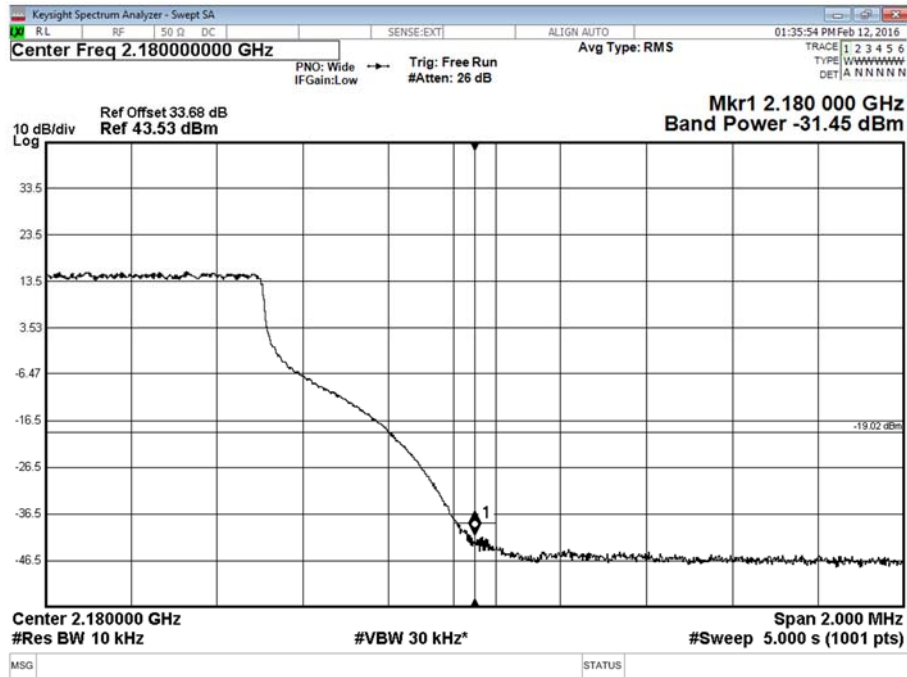
Channel Position T - Bandwidth 5.0 MHz - Antenna B



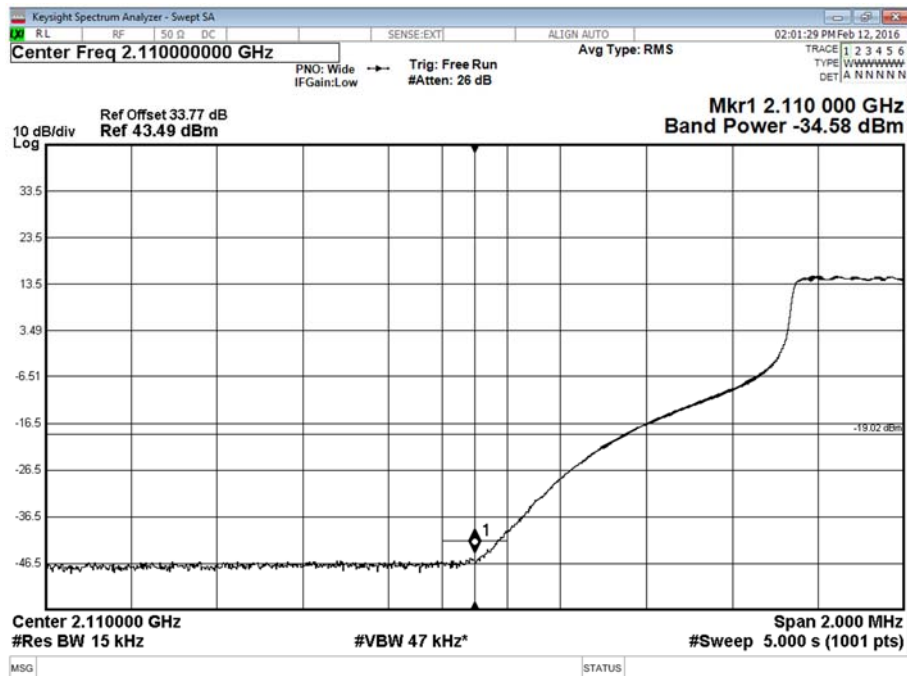
Channel Position B - Bandwidth 10.0 MHz - Antenna B



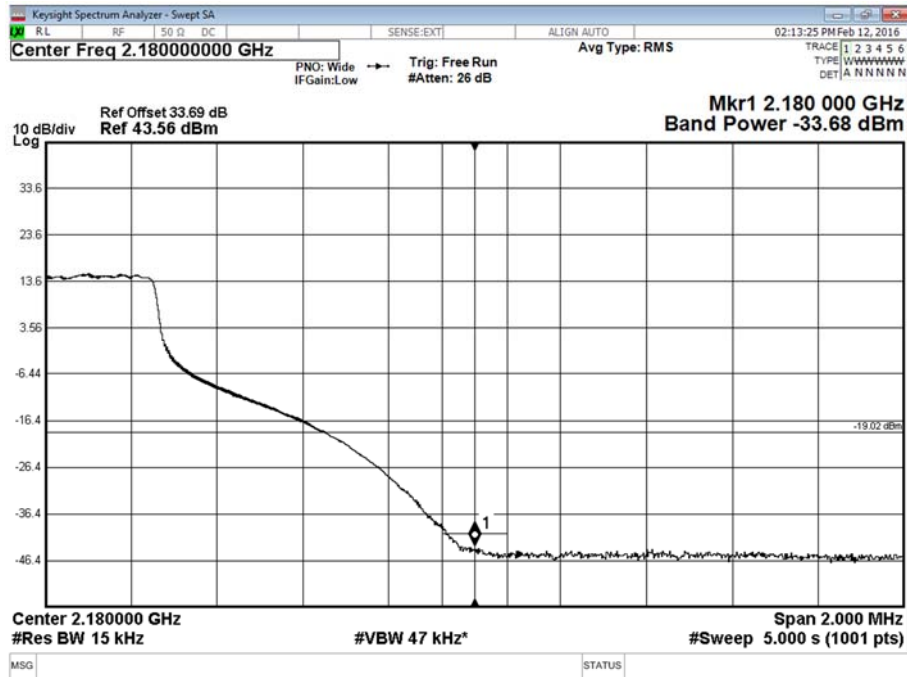
Channel Position T - Bandwidth 10.0 MHz - Antenna B



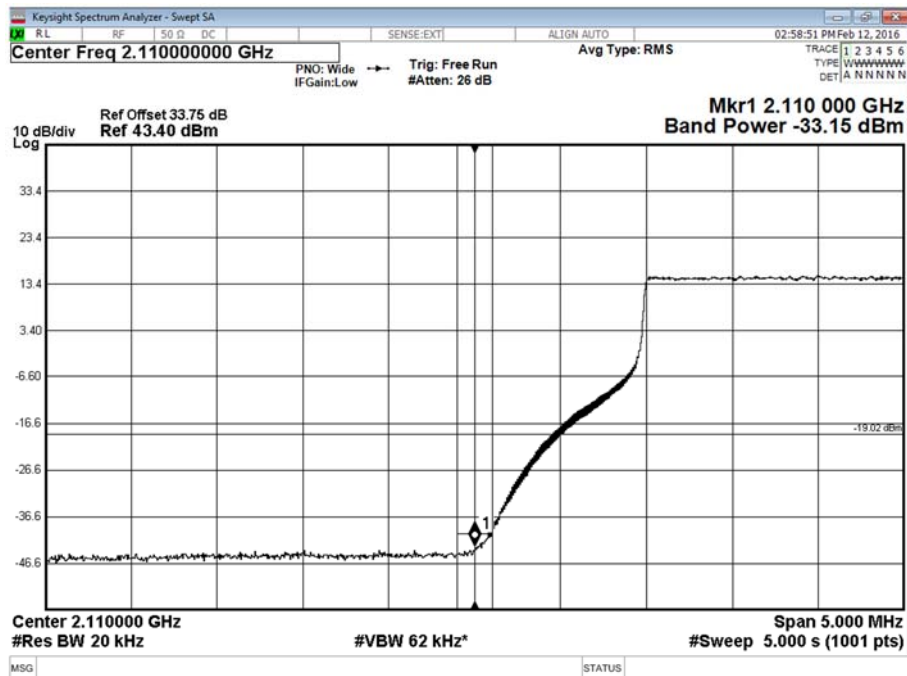
Channel Position B - Bandwidth 15.0 MHz - Antenna B



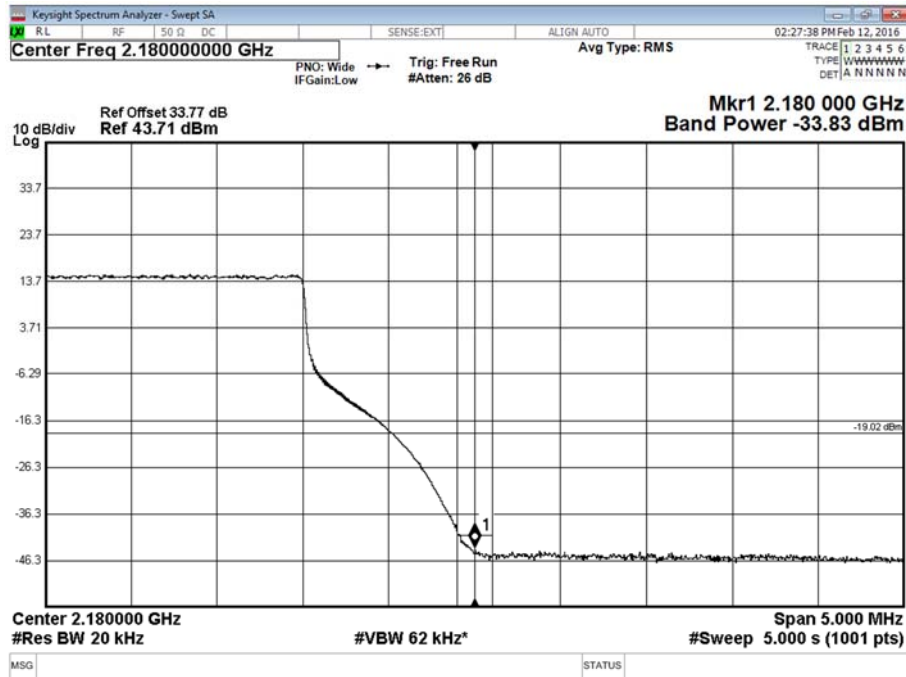
Channel Position T - Bandwidth 15.0 MHz - Antenna B



Channel Position B - Bandwidth 20.0 MHz - Antenna B



Channel Position T - Bandwidth 20.0 MHz - Antenna B

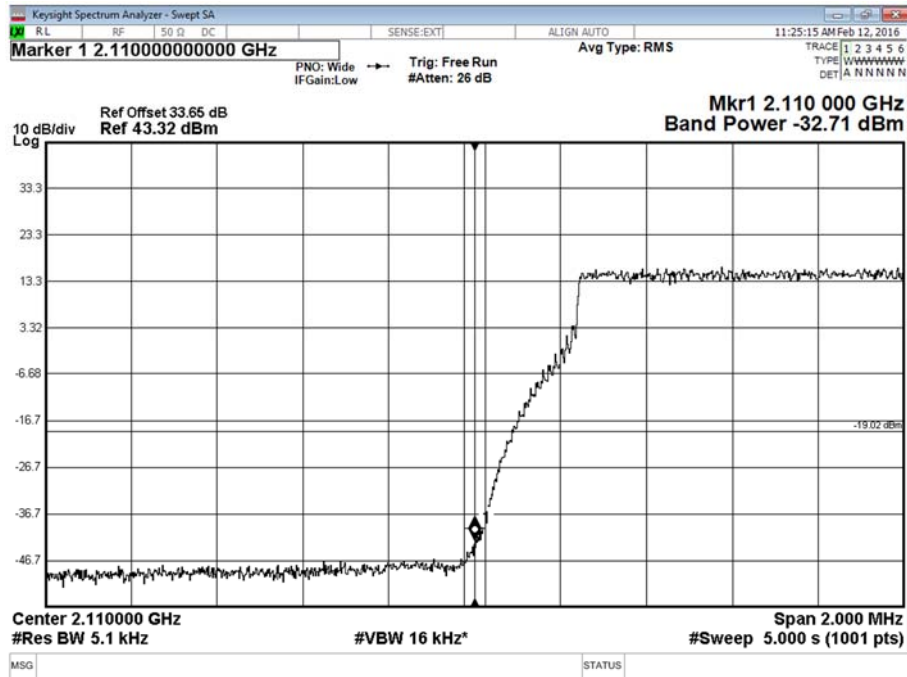


Configuration 3 Antenna C

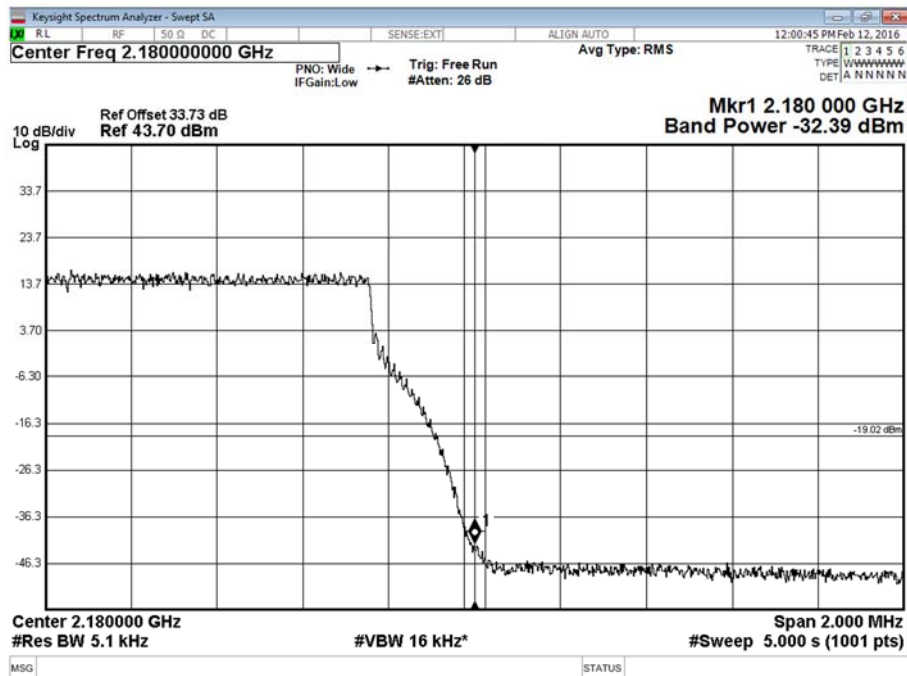
Maximum Output Power 44.77 dBm

Carrier Bandwidth	Modulation	Band Edge (MHz)	
		Channel Position B	Channel Position T
5.0 MHz	QPSK	2,112.5	2,177.5
10.0 MHz	QPSK	2,115.0	2,175.0
15.0 MHz	QPSK	2,117.5	2,172.5
20.0 MHz	QPSK	2,120.0	2,170.0

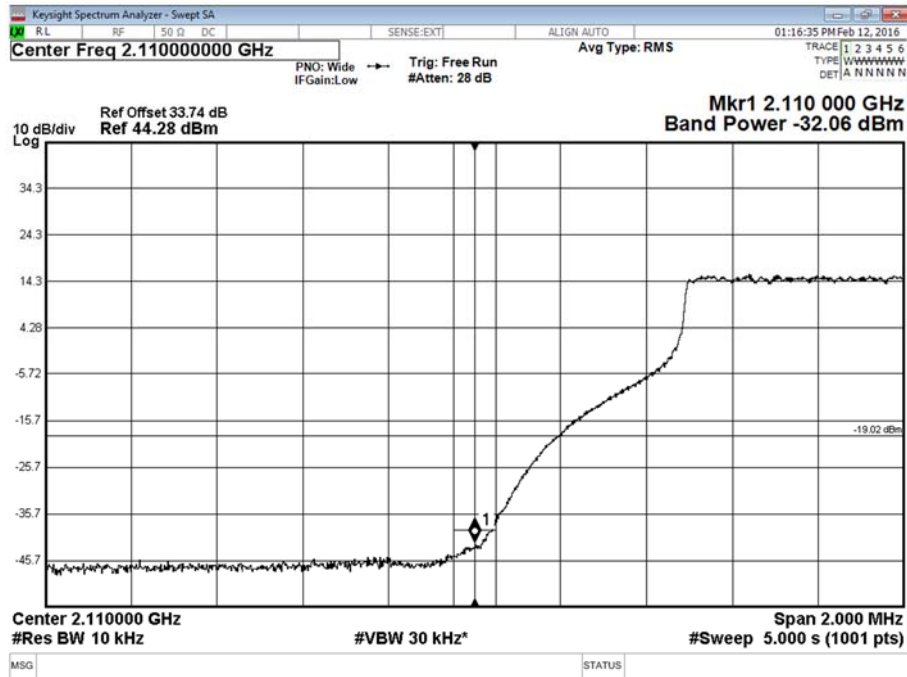
Channel Position B - Bandwidth 5.0 MHz - Antenna C



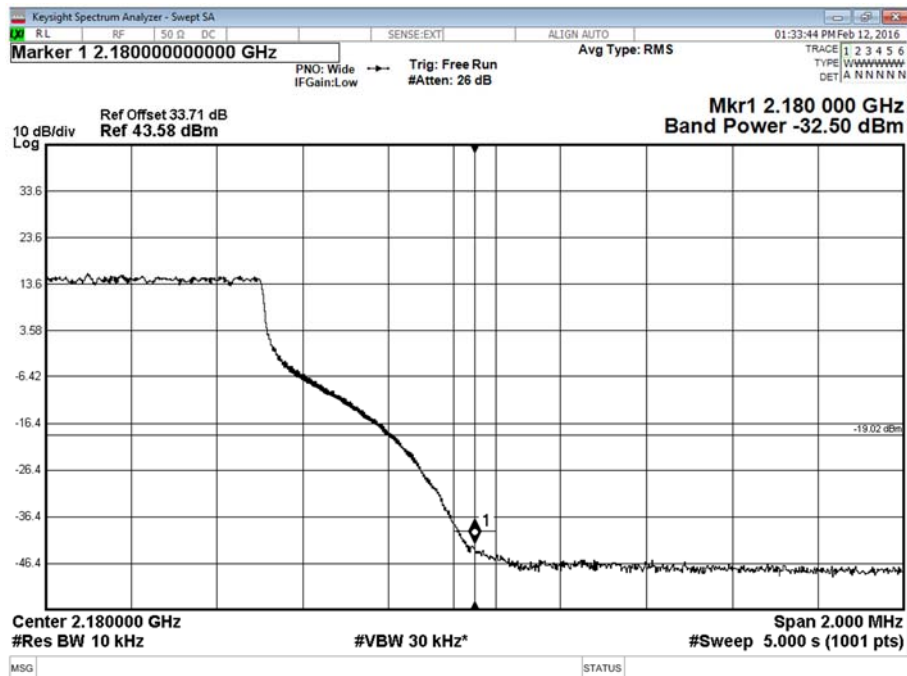
Channel Position T - Bandwidth 5.0 MHz - Antenna C



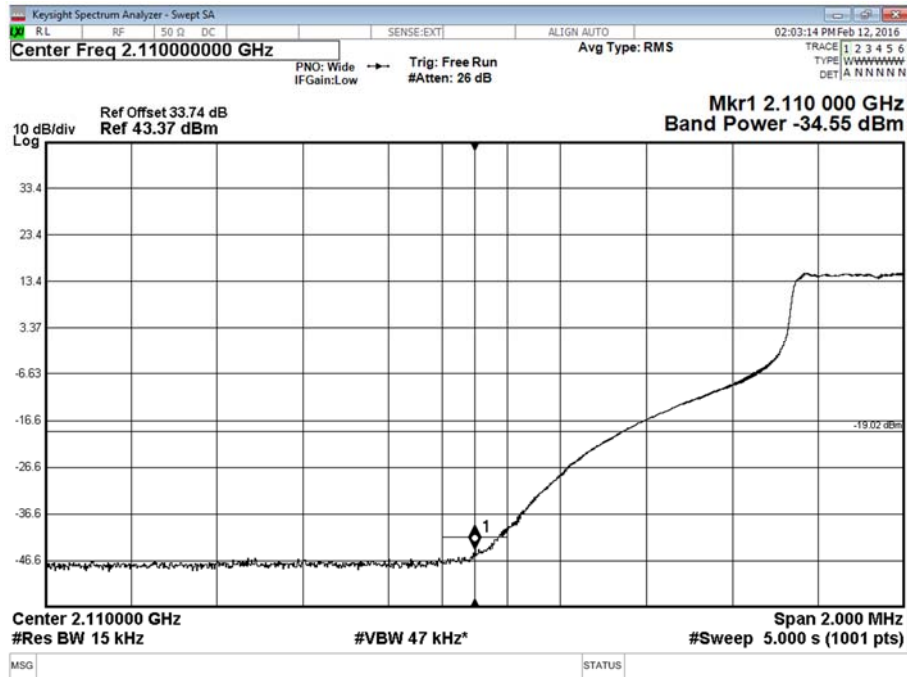
Channel Position B - Bandwidth 10.0 MHz - Antenna C



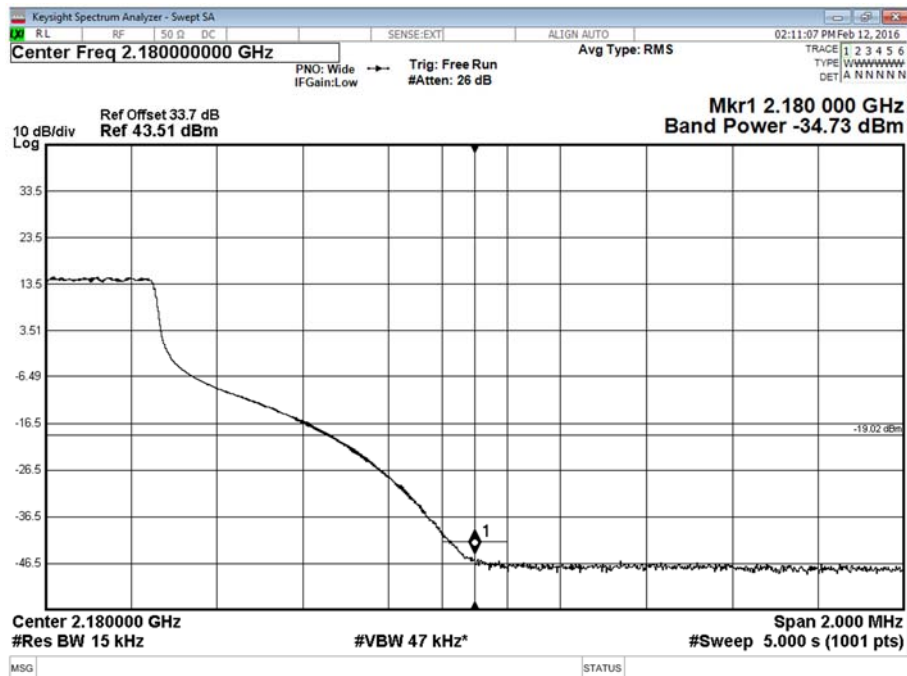
Channel Position T - Bandwidth 10.0 MHz - Antenna C



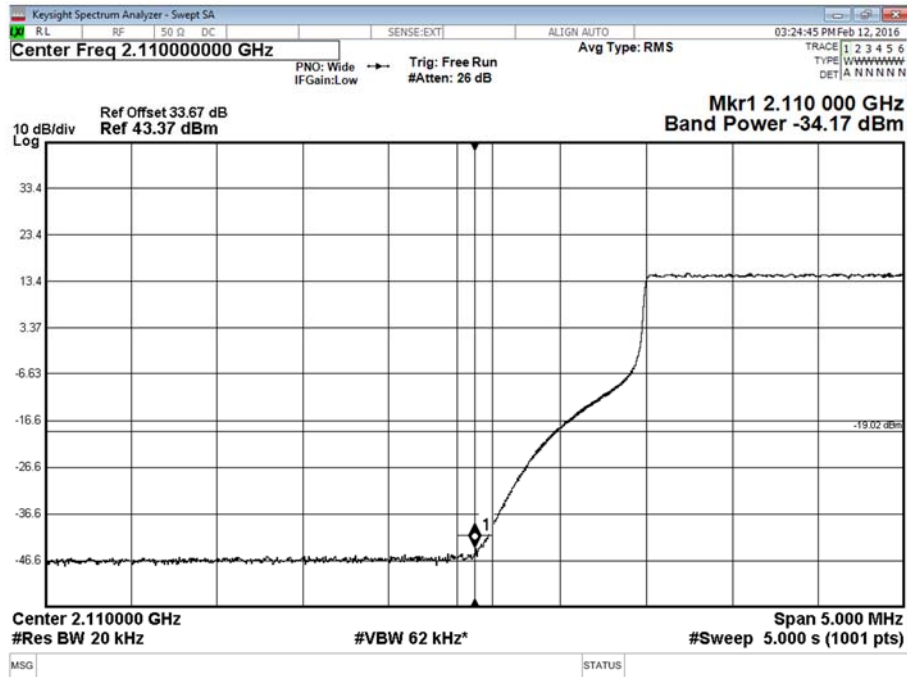
Channel Position B - Bandwidth 15.0 MHz - Antenna C



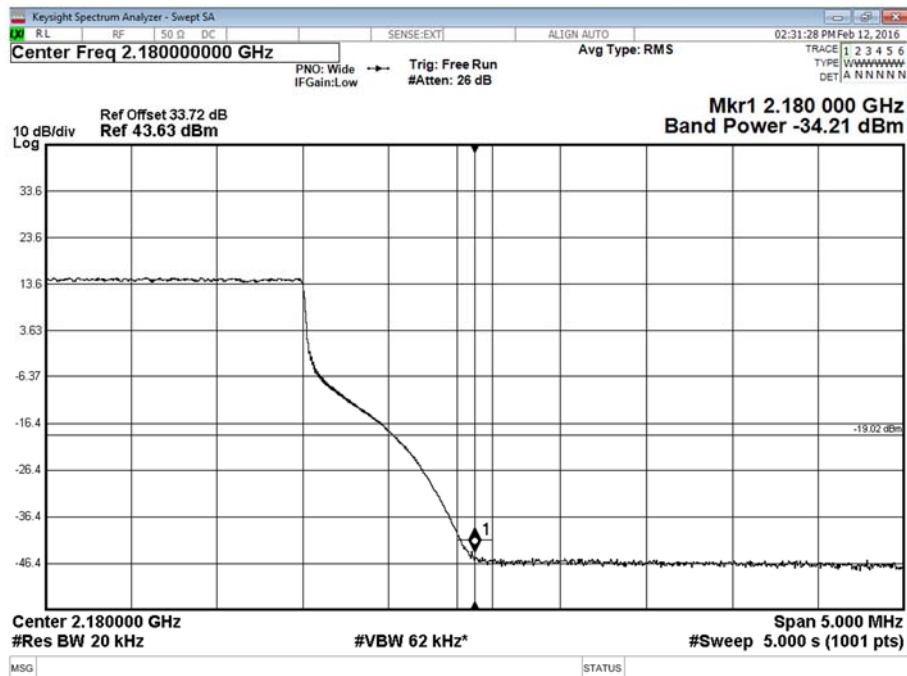
Channel Position T - Bandwidth 15.0 MHz - Antenna C



Channel Position B - Bandwidth 20.0 MHz - Antenna C



Channel Position T - Bandwidth 20.0 MHz - Antenna C

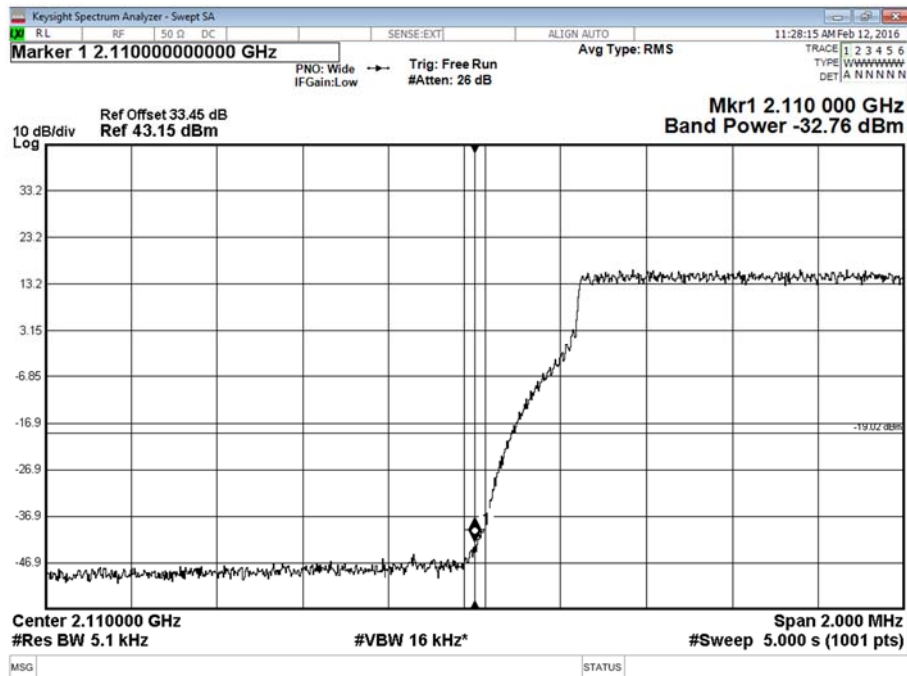


Configuration 3 Antenna D

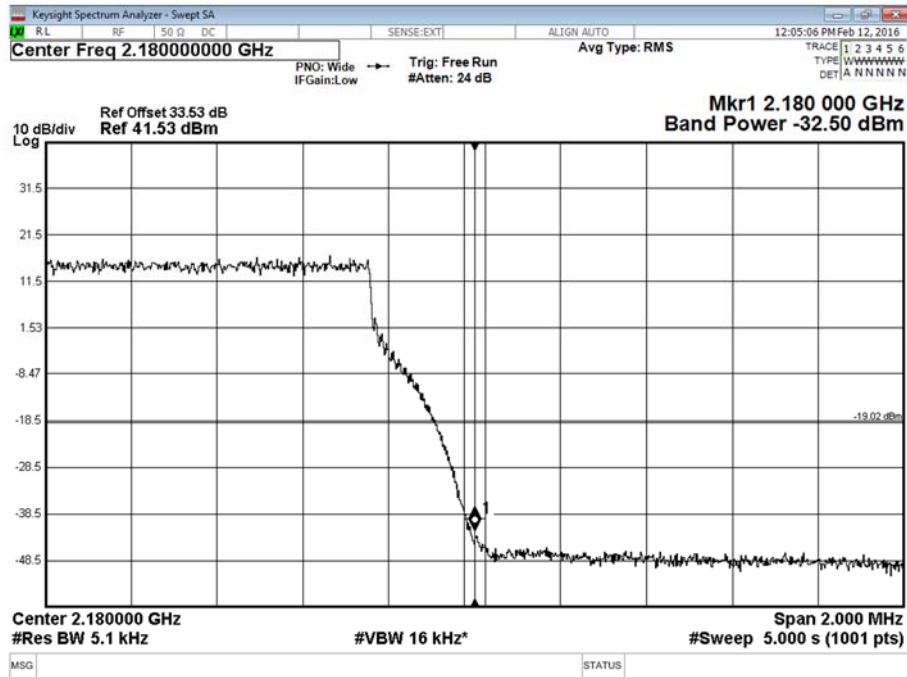
Maximum Output Power 44.77 dBm

Carrier Bandwidth	Modulation	Band Edge (MHz)	
		Channel Position B	Channel Position T
5.0 MHz	QPSK	2,112.5	2,177.5
10.0 MHz	QPSK	2,115.0	2,175.0
15.0 MHz	QPSK	2,117.5	2,172.5
20.0 MHz	QPSK	2,120.0	2,170.0

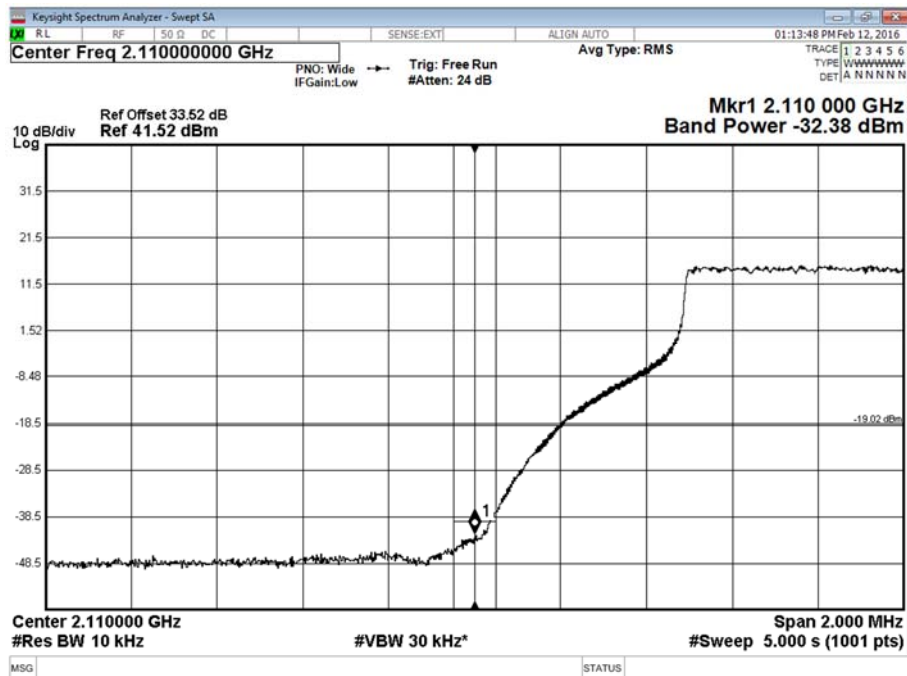
Channel Position B - Bandwidth 5.0 MHz - Antenna D



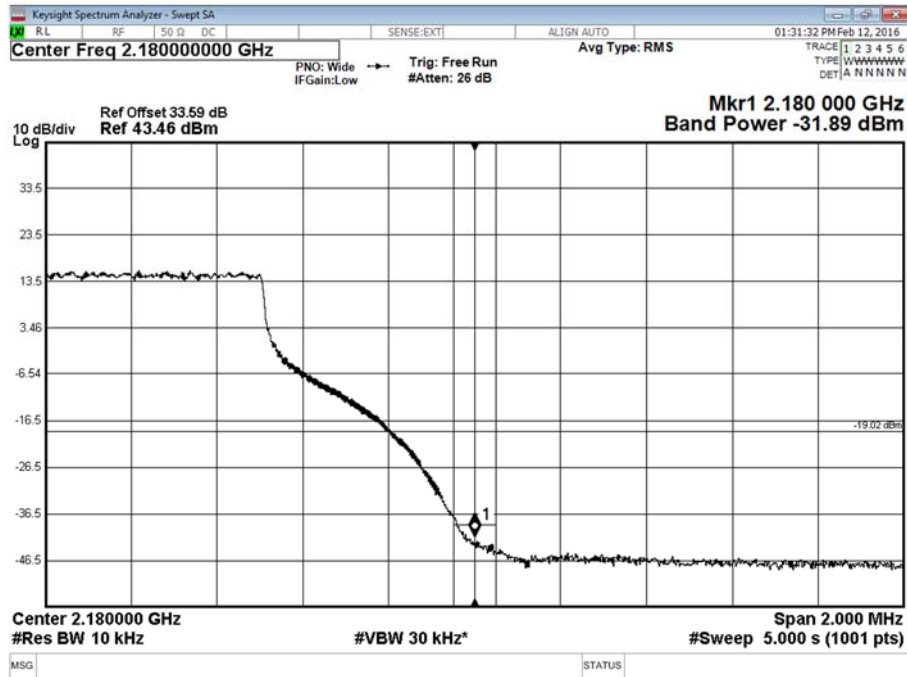
Channel Position T - Bandwidth 5.0 MHz - Antenna D



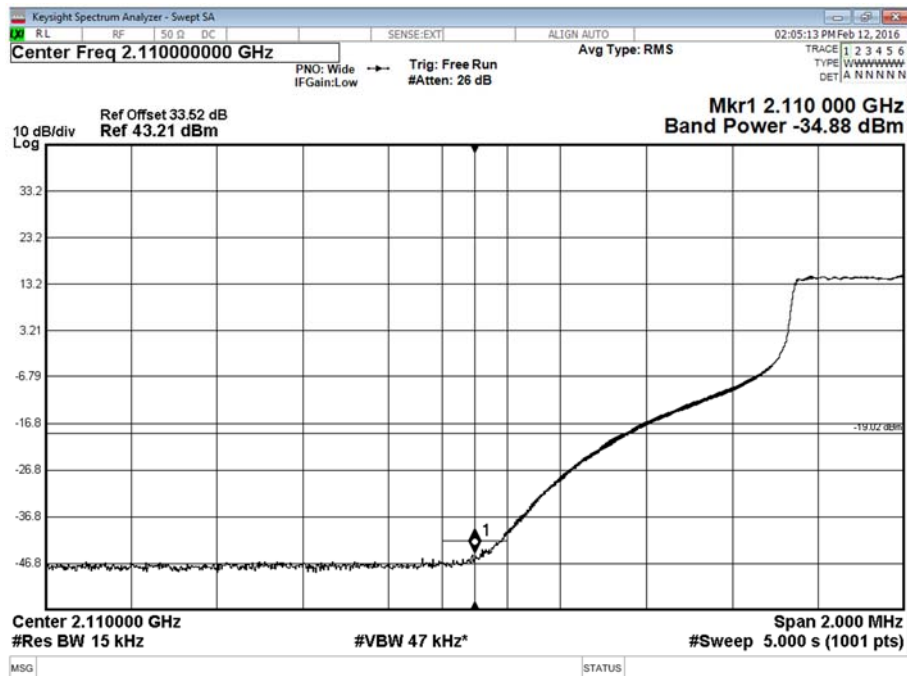
Channel Position B - Bandwidth 10.0 MHz - Antenna D



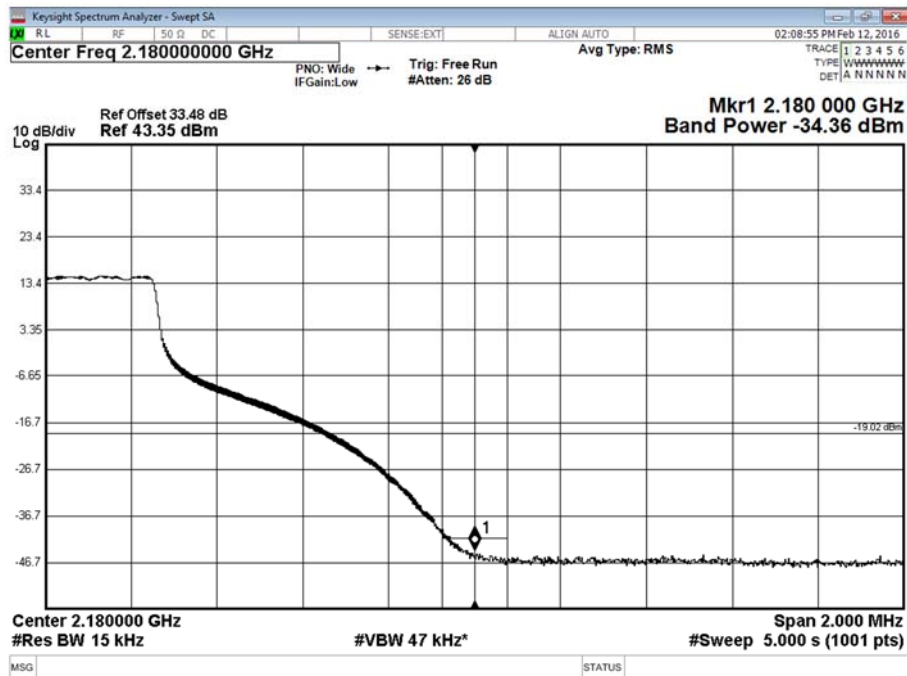
Channel Position T - Bandwidth 10.0 MHz - Antenna D



Channel Position B - Bandwidth 15.0 MHz - Antenna D



Channel Position T - Bandwidth 15.0 MHz - Antenna D



Channel Position B - Bandwidth 20.0 MHz - Antenna D

