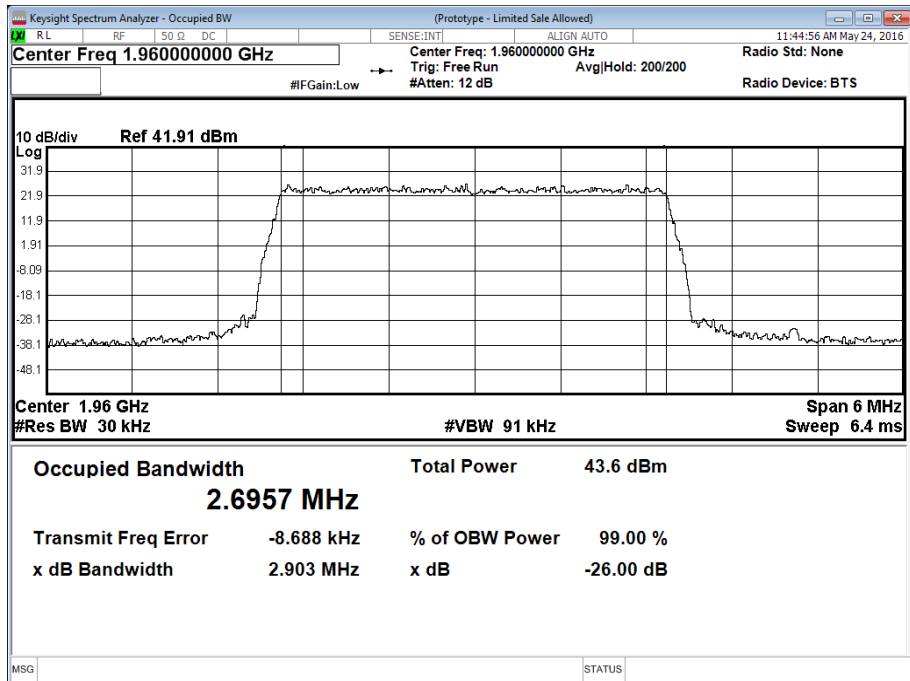
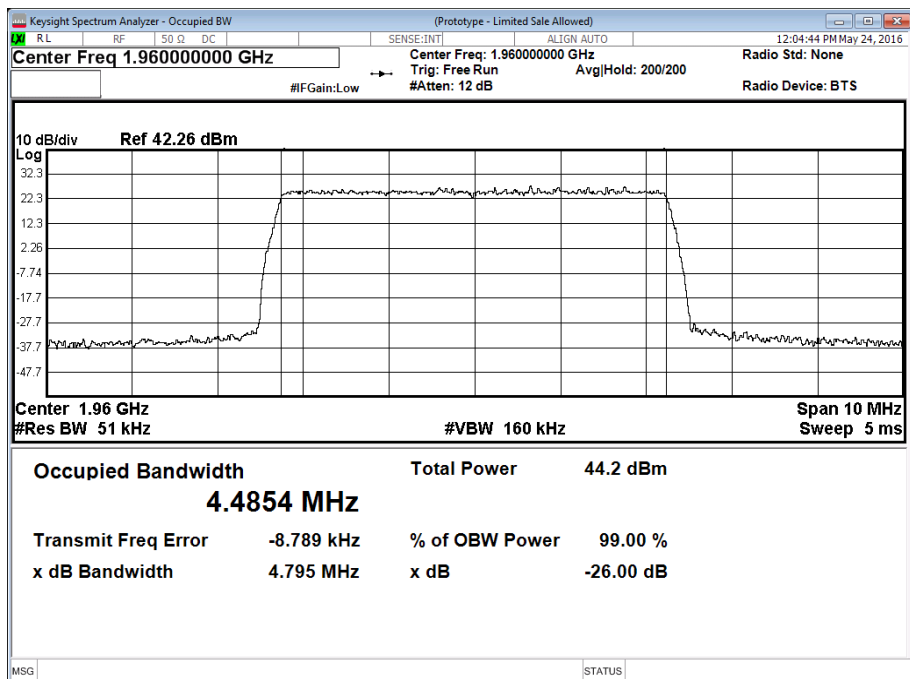


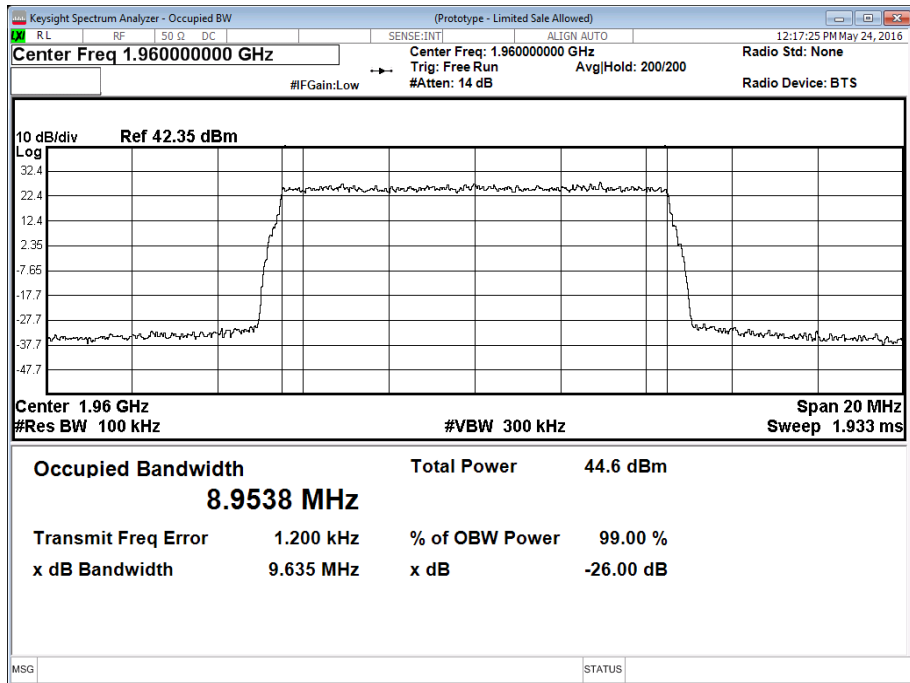
Channel Position M - Bandwidth 3.0 MHz - Antenna B



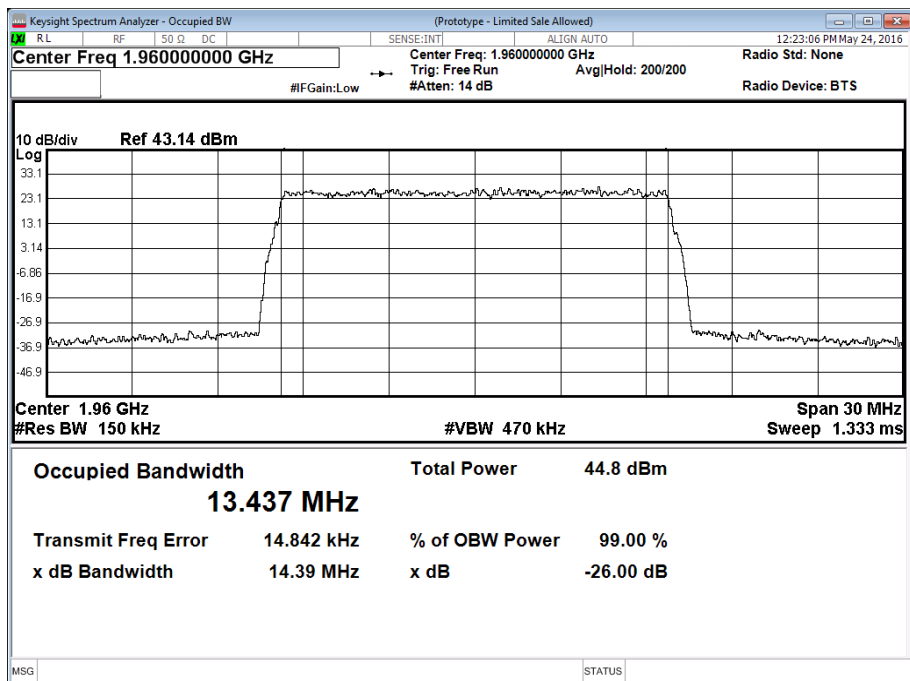
Channel Position M - Bandwidth 5.0 MHz - Antenna B



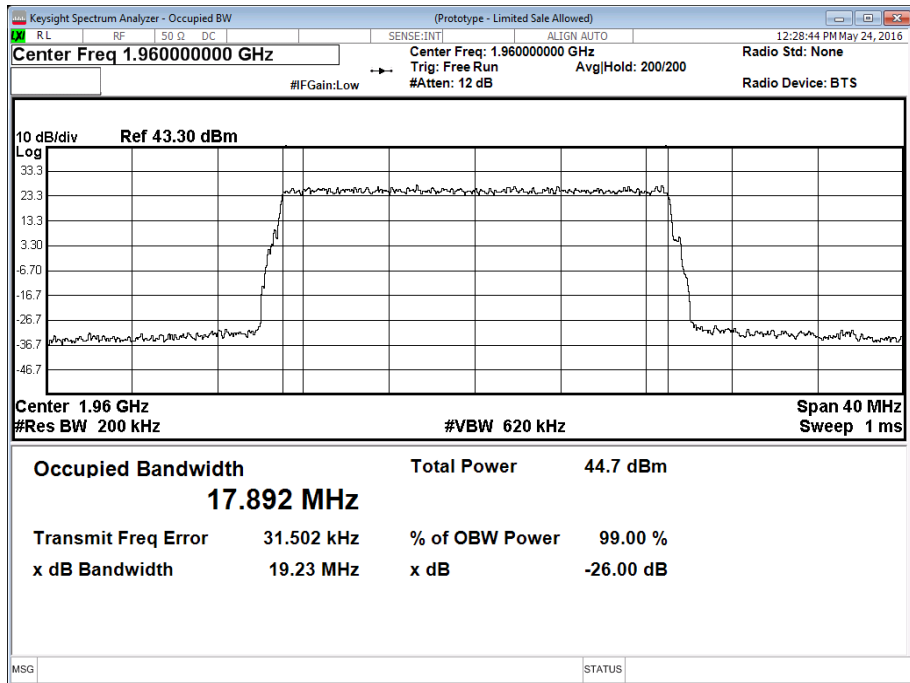
Channel Position M - Bandwidth 10.0 MHz - Antenna B



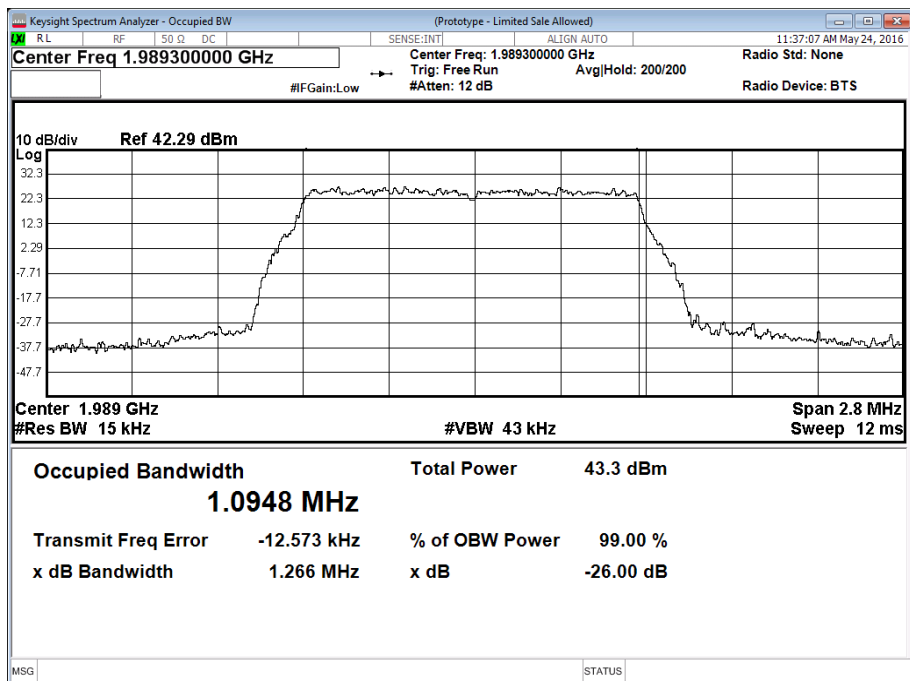
Channel Position M - Bandwidth 15.0 MHz - Antenna B



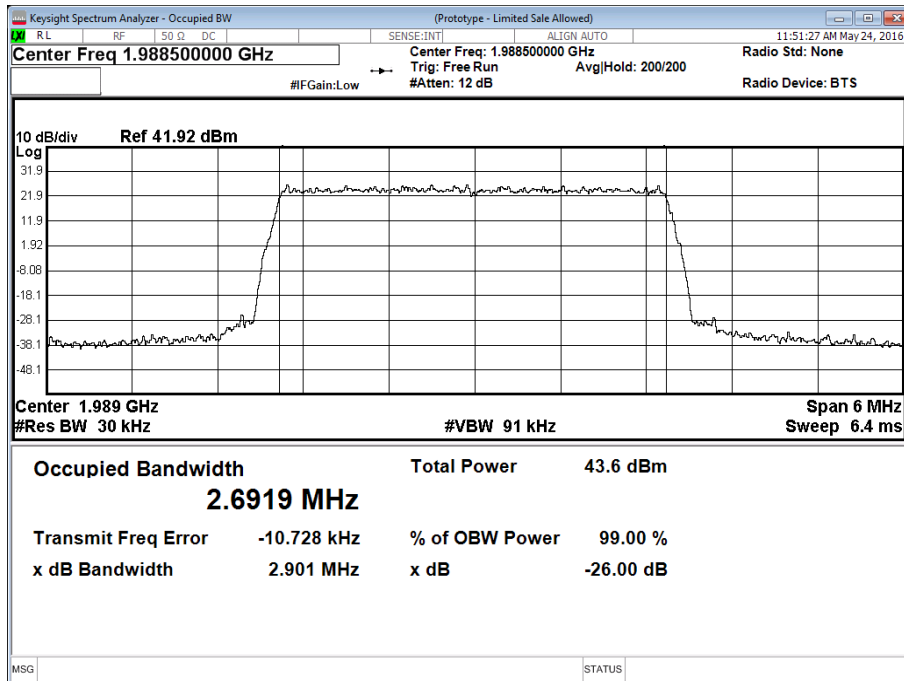
Channel Position M - Bandwidth 20.0 MHz - Antenna B



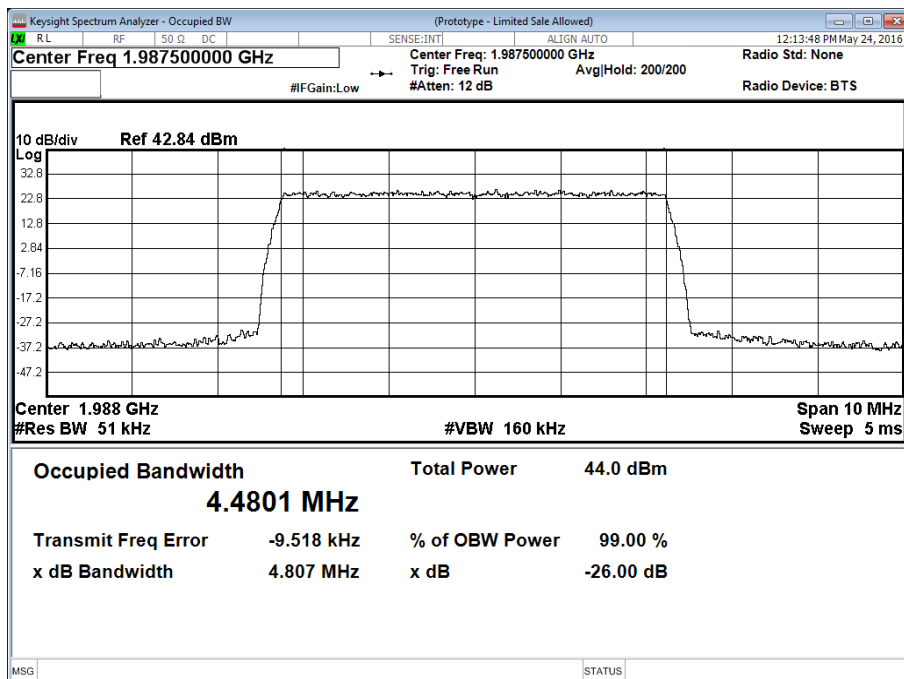
Channel Position T - Bandwidth 1.4 MHz - Antenna B



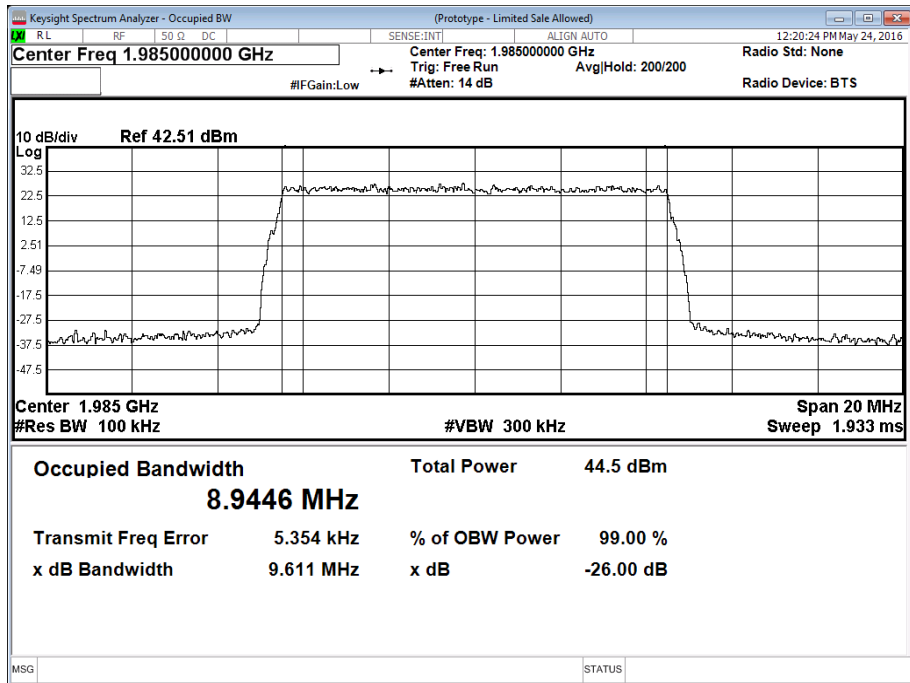
Channel Position T - Bandwidth 3.0 MHz - Antenna B



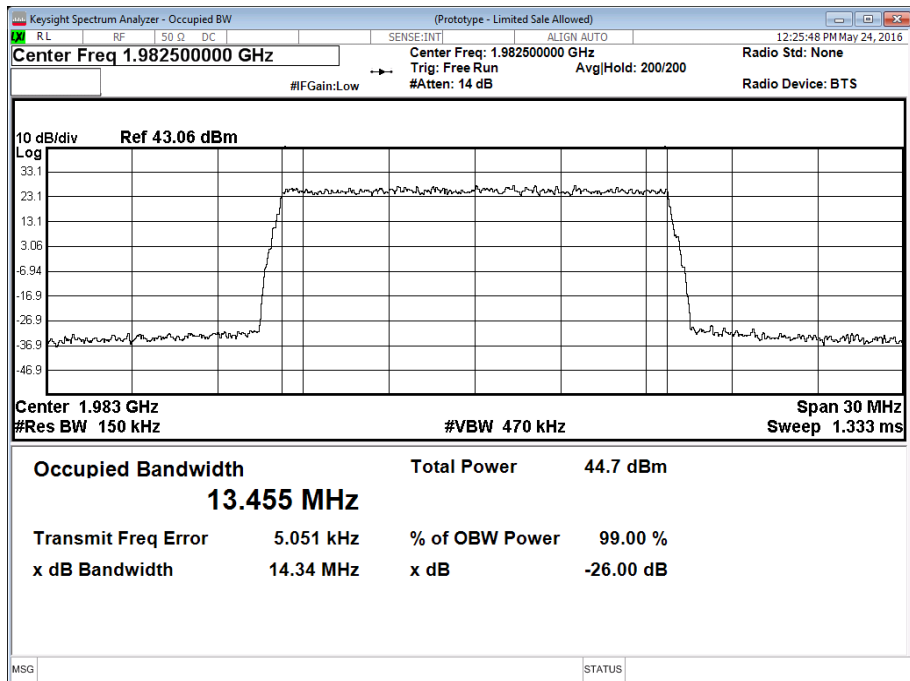
Channel Position T - Bandwidth 5.0 MHz - Antenna B



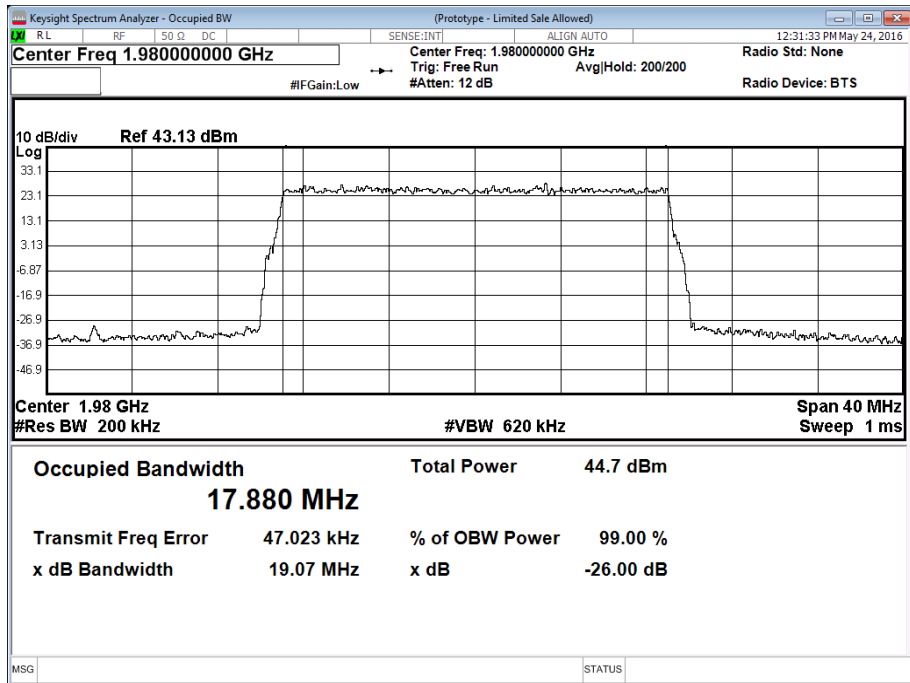
Channel Position T - Bandwidth 10.0 MHz - Antenna B



Channel Position T - Bandwidth 15.0 MHz - Antenna B



Channel Position T - Bandwidth 20.0 MHz - Antenna B



2.3 BAND EDGE

2.3.1 Specification Reference

FCC CFR 47 Part 2, Clause 2.1051
FCC CFR 47 Part 24, Clause 24.238 (b)
Industry Canada RSS-133, Clause 6.5

2.3.2 Date of Test and Modification State

24, 25, 26, 27 and 30 May 2016 - 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 21.9 - 23.8°C
Relative Humidity 32.8 - 41.4%

2.3.5 Test Method

All measurements were made in accordance with FCC KDB 971168 D01.

Each antenna port has been declared as being equivalent, therefore measurements were made on one antenna port only. To account for this, the limit was tightened by $10 * \log(N)$, where N is equal to the number of MIMO antenna ports.

For single carrier, the limit was calculated as being $-13 \text{ dBm} - 10 * \log(4) = -19 \text{ dBm}$.

For dual carrier, the limit was calculated as being $-13 \text{ dBm} - 10 * \log(2) = -16 \text{ dBm}$.

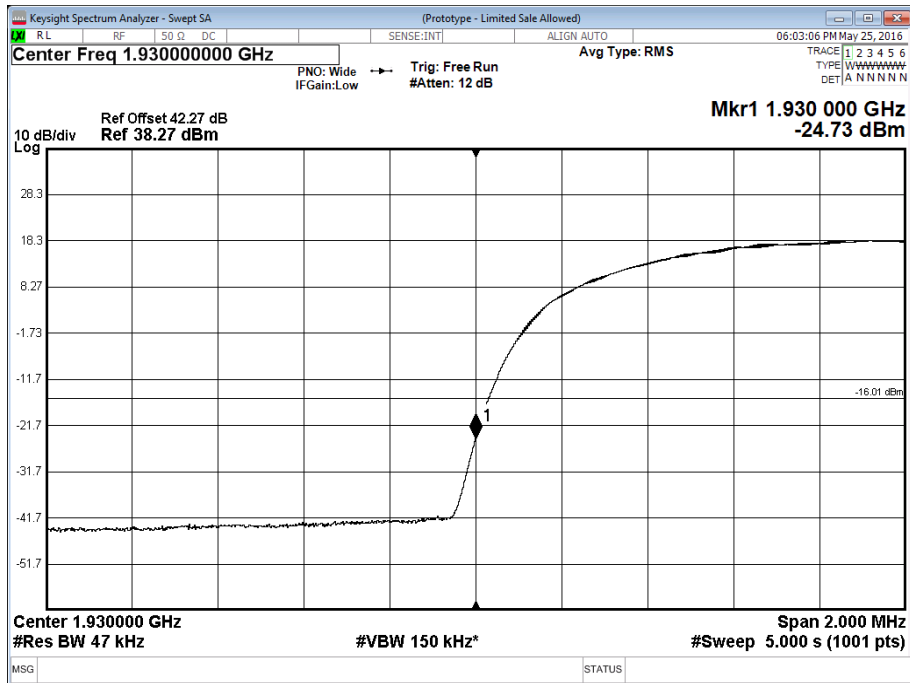
2.3.6 Test Results

Configuration A

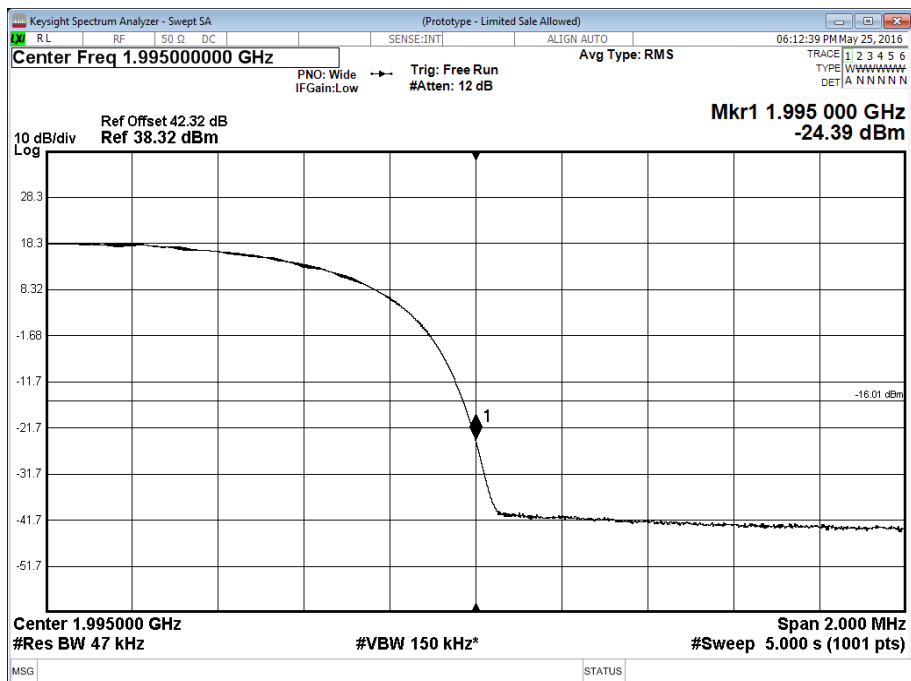
Maximum Output Power 37 dBm

Carrier Bandwidth	Modulation	Band Edge (MHz)	
		Channel Position B	Channel Position T
5.0 MHz	16QAM	1,932.4	1,992.6

Channel Position B - Bandwidth 5.0 MHz - Antenna A



Channel Position T - Bandwidth 5.0 MHz - Antenna A

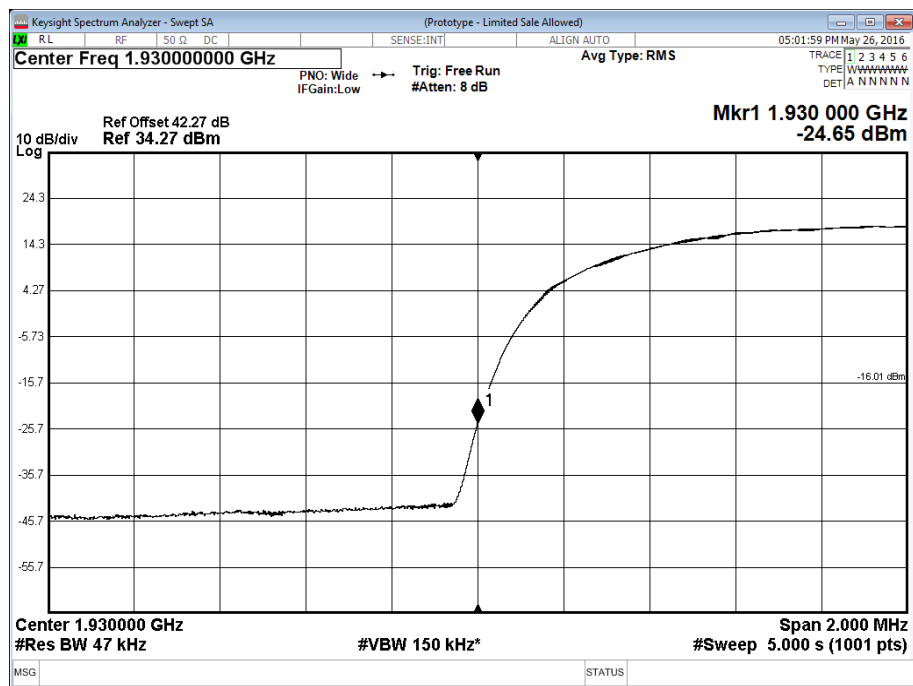


Configuration A

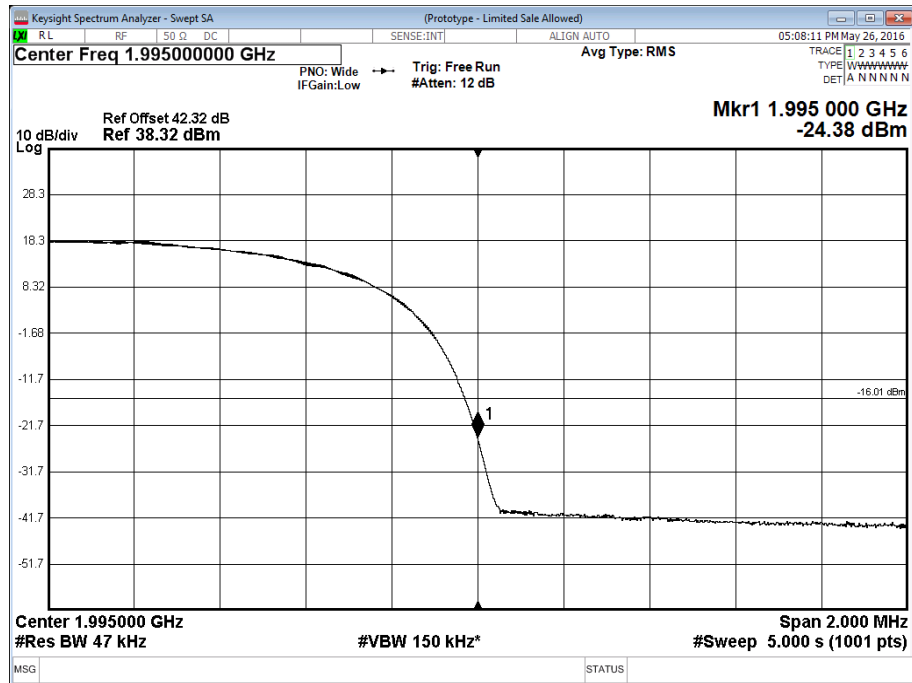
Maximum Output Power 37 dBm

Carrier Bandwidth	Modulation	Band Edge (MHz)	
		Channel Position B	Channel Position T
5.0 MHz	16QAM	1,932.4	1,992.6

Channel Position B - Bandwidth 5.0 MHz - Antenna B



Channel Position T - Bandwidth 5.0 MHz - Antenna B

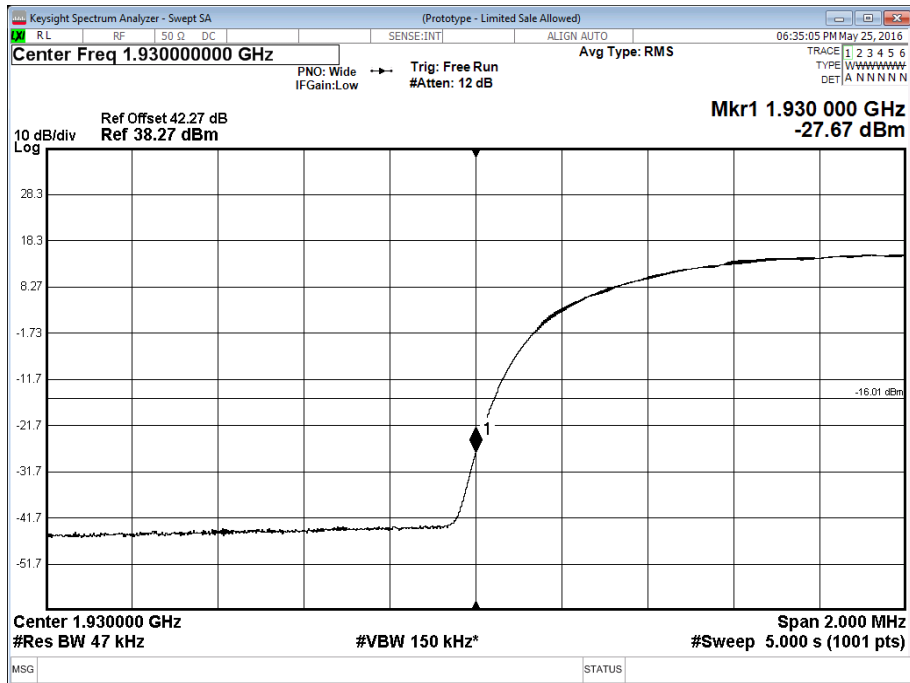


Configuration B

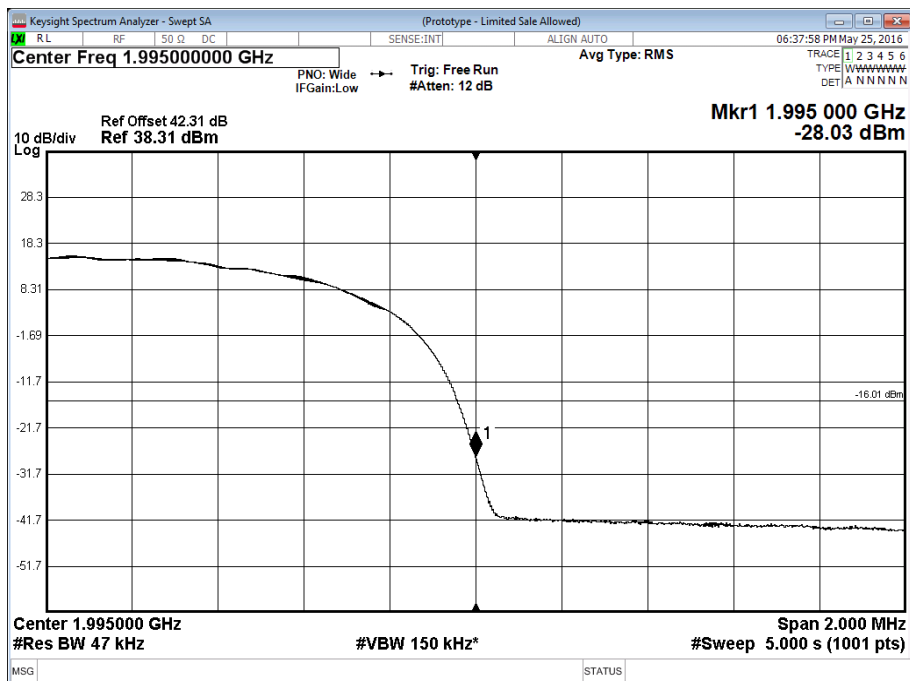
Maximum Output Power 37 dBm

Carrier Bandwidth	Modulation	Band Edge (MHz)	
		Channel Position B	Channel Position T
5.0 MHz	16QAM	1932.4 + 1937.4	1987.6 + 1992.6

Channel Position B - Bandwidth 5.0 MHz - Antenna A



Channel Position T - Bandwidth 5.0 MHz - Antenna A

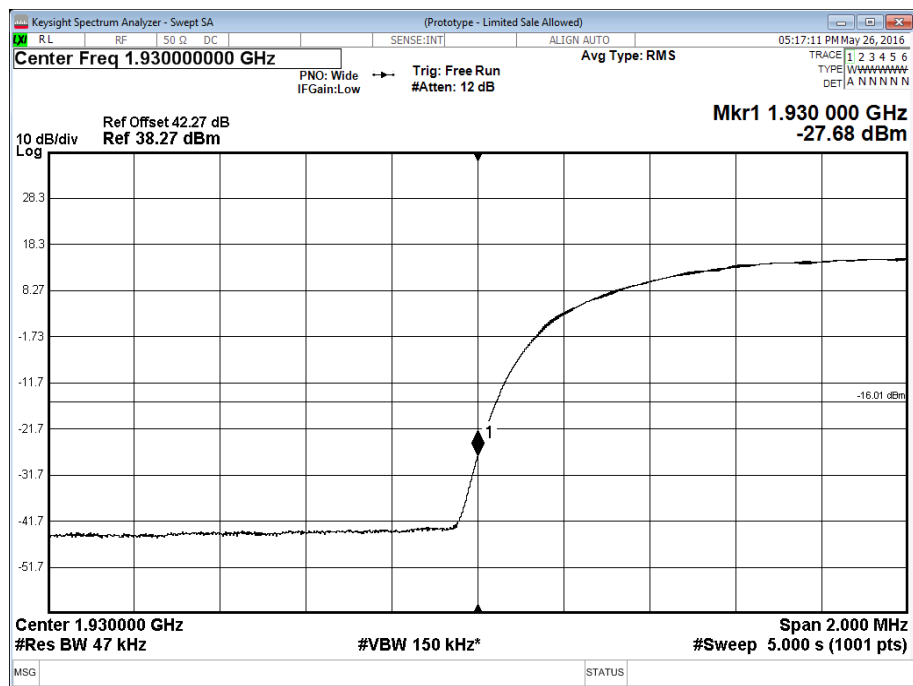


Configuration B

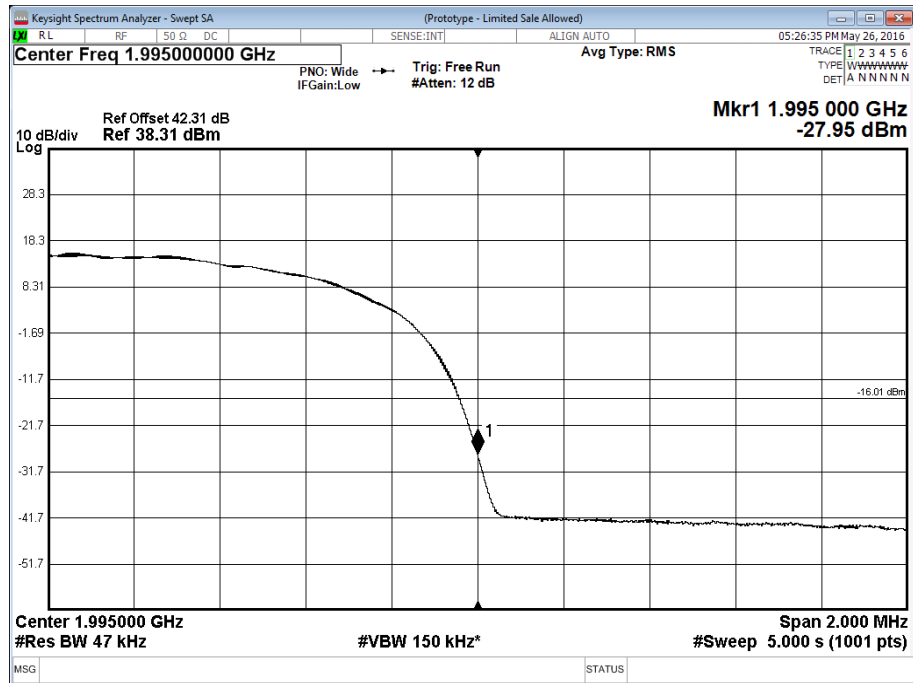
Maximum Output Power 37 dBm

Carrier Bandwidth	Modulation	Band Edge (MHz)	
		Channel Position B	Channel Position T
5.0 MHz	16QAM	1932.4 + 1937.4	1987.6 + 1992.6

Channel Position B - Bandwidth 5.0 MHz - Antenna B



Channel Position T - Bandwidth 5.0 MHz - Antenna B

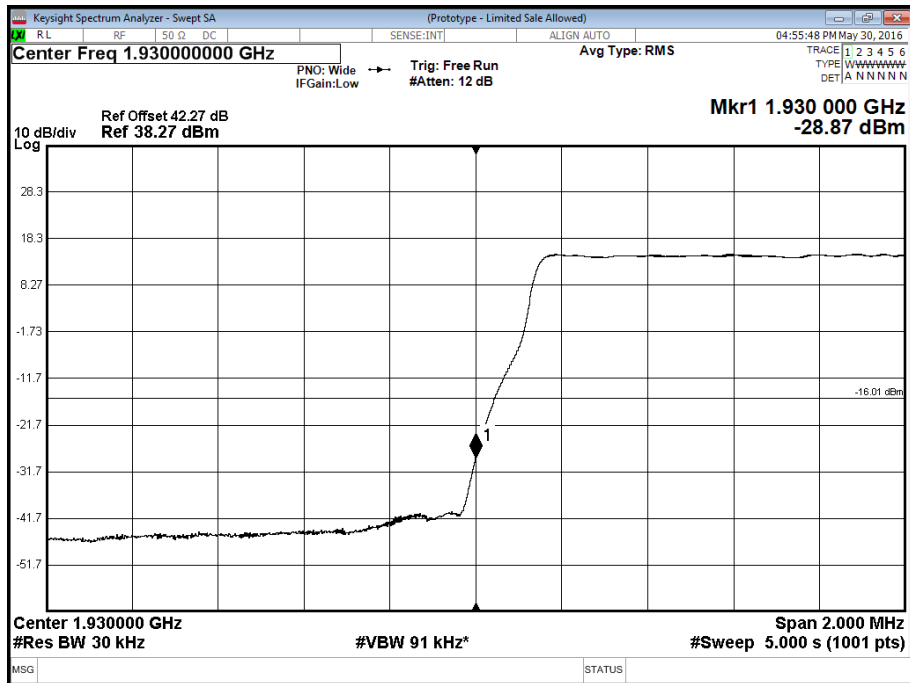


Configuration G

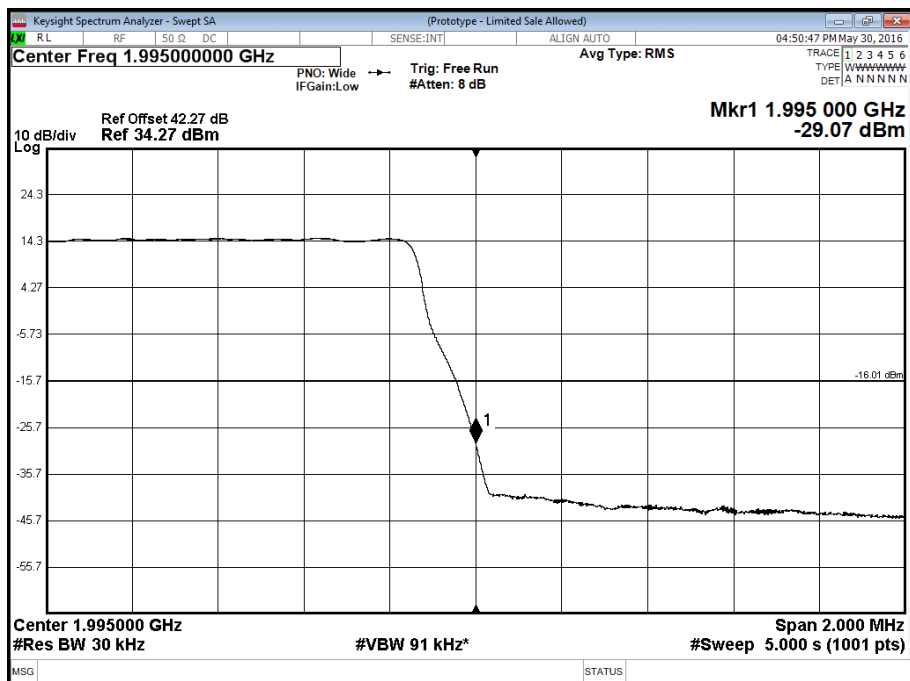
Maximum Output Power 37 dBm

LTE Bandwidth	WCDMA Modulation	Band Edge (MHz)	
		Channel Position BRFBW	Channel Position TRFBW
3.0 MHz	16QAM	1931.5 (L) + 1935.4 (W)	1989.6 (W) + 1993.5 (L)

Channel Position BRFBW - Bandwidth 5.0 MHz - Antenna A



Channel Position TRFBW - Bandwidth 5.0 MHz - Antenna A

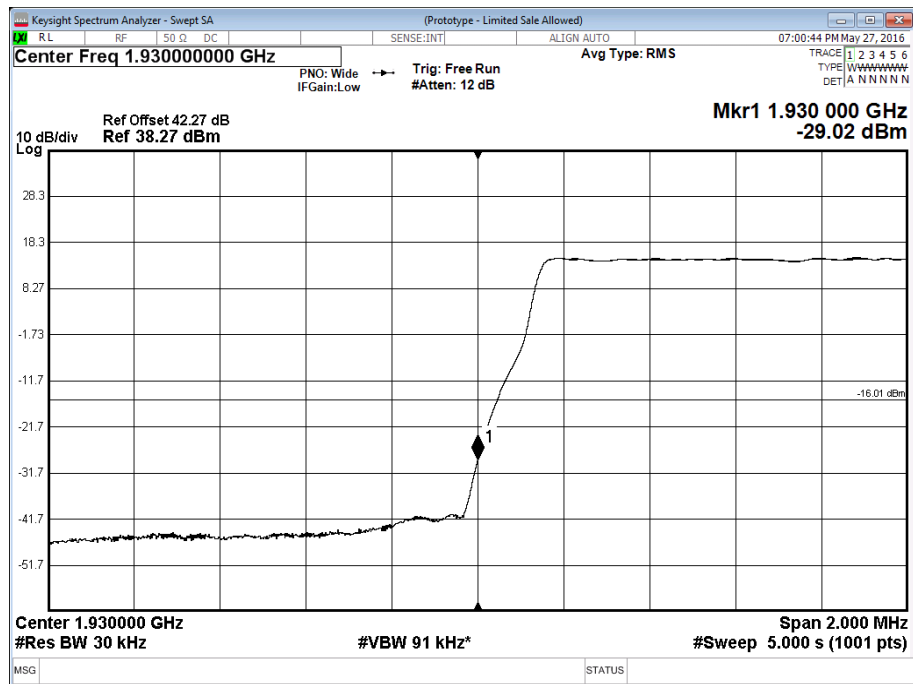


Configuration G

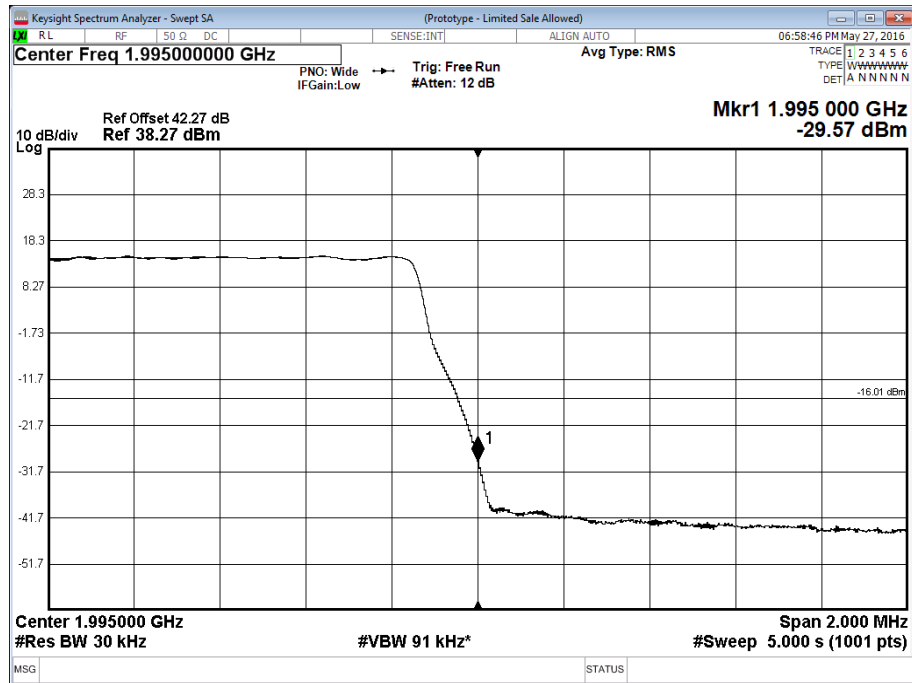
Maximum Output Power 37 dBm

LTE Bandwidth	WCDMA Modulation	Band Edge (MHz)	
		Channel Position BRFBW	Channel Position TRFBW
3.0 MHz	16QAM	1931.5 (L) + 1935.4 (W)	1989.6 (W) + 1993.5 (L)

Channel Position BRFBW - Bandwidth 5.0 MHz - Antenna B



Channel Position TRFBW - Bandwidth 5.0 MHz - Antenna B

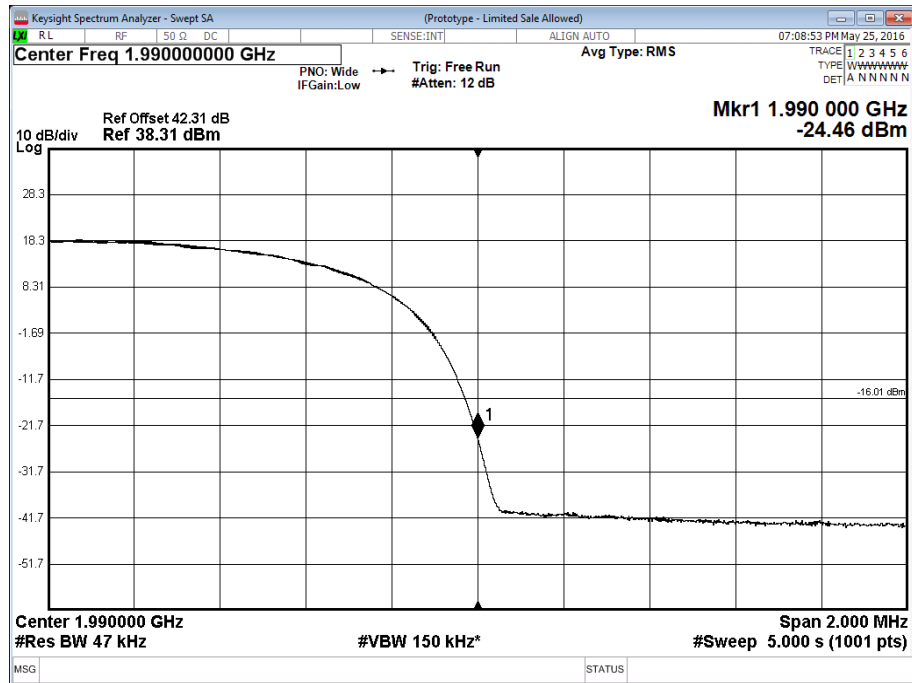


Configuration I

Maximum Output Power 37 dBm

Carrier Bandwidth	Modulation	Band Edge (MHz)
		Channel Position T
5.0 MHz	16QAM	1,987.6

Channel Position T - Bandwidth 5.0 MHz - Antenna A

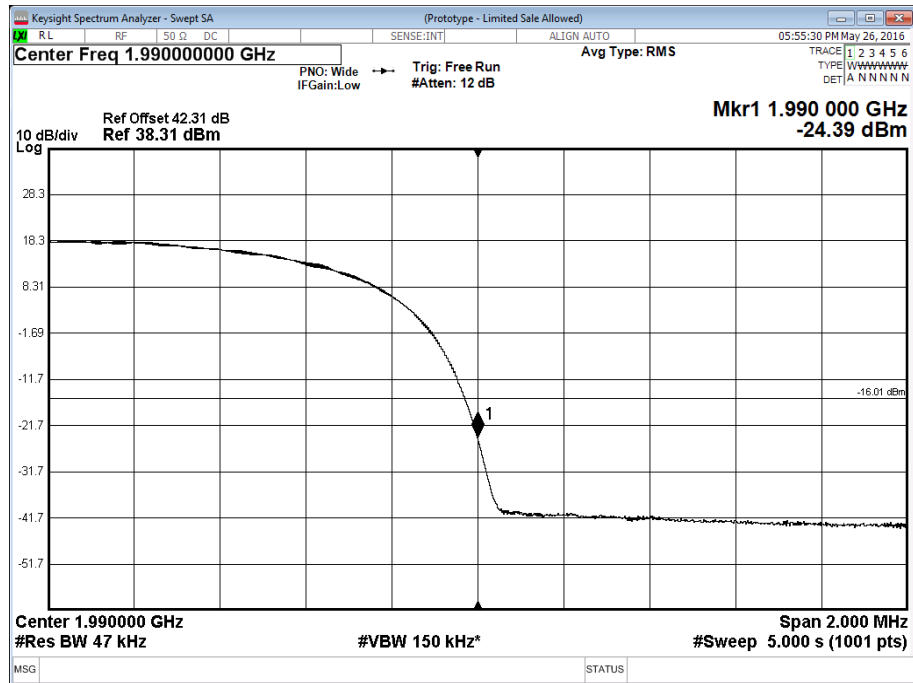


Configuration I

Maximum Output Power 37 dBm

Carrier Bandwidth	Modulation	Band Edge (MHz)
		Channel Position T
5.0 MHz	16QAM	1,987.6

Channel Position T - Bandwidth 5.0 MHz - Antenna B

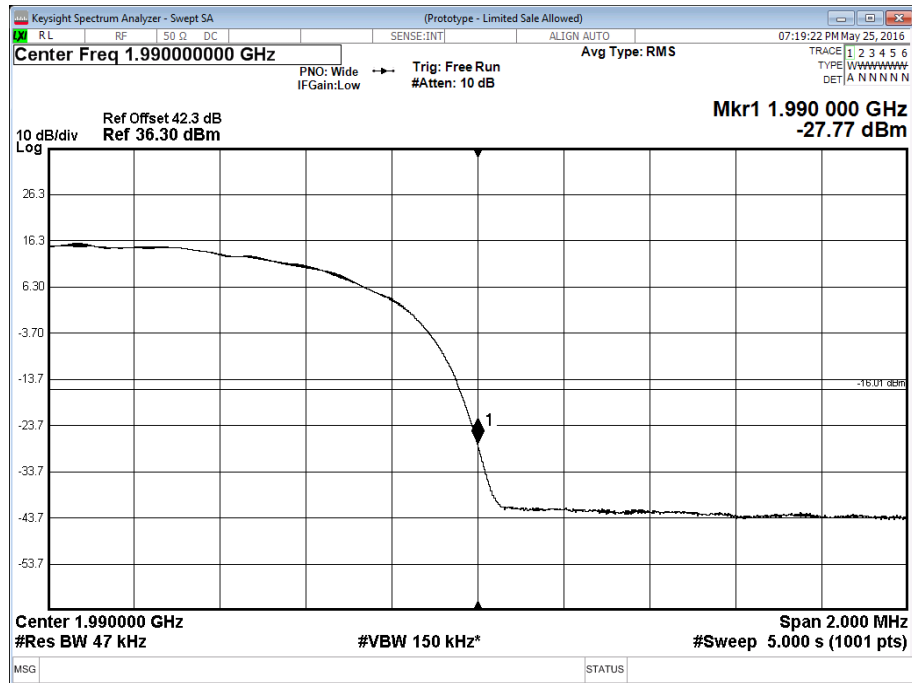


Configuration J

Maximum Output Power 37 dBm

Carrier Bandwidth	Modulation	Band Edge (MHz)
		Channel Position T
5.0 MHz	16QAM	1982.6 + 1987.6

Channel Position T - Bandwidth 5.0 MHz - Antenna A

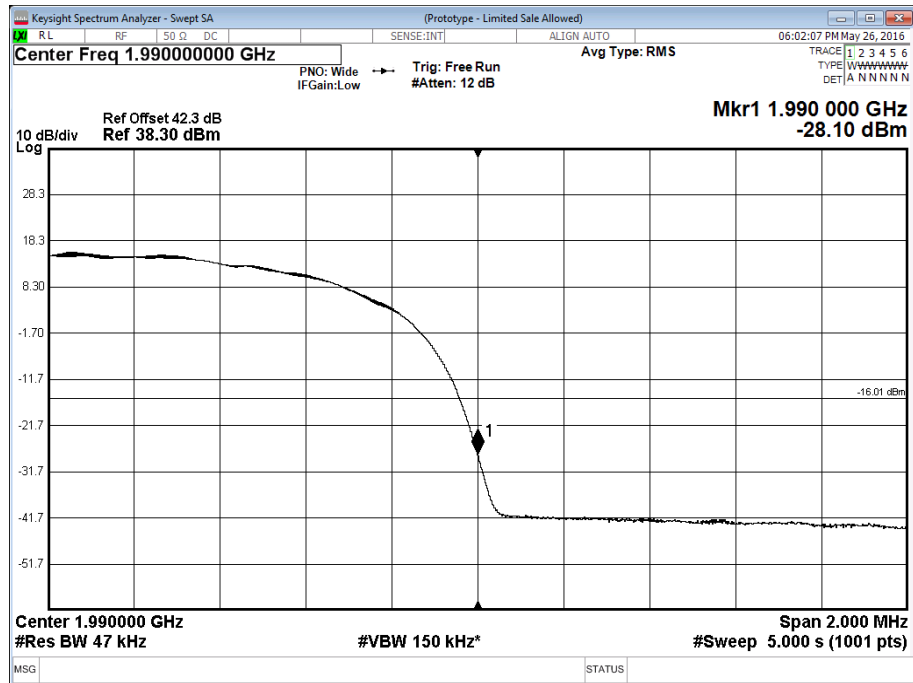


Configuration J

Maximum Output Power 37 dBm

Carrier Bandwidth	Modulation	Band Edge (MHz)
		Channel Position T
5.0 MHz	16QAM	1982.6 + 1987.6

Channel Position T - Bandwidth 5.0 MHz - Antenna B

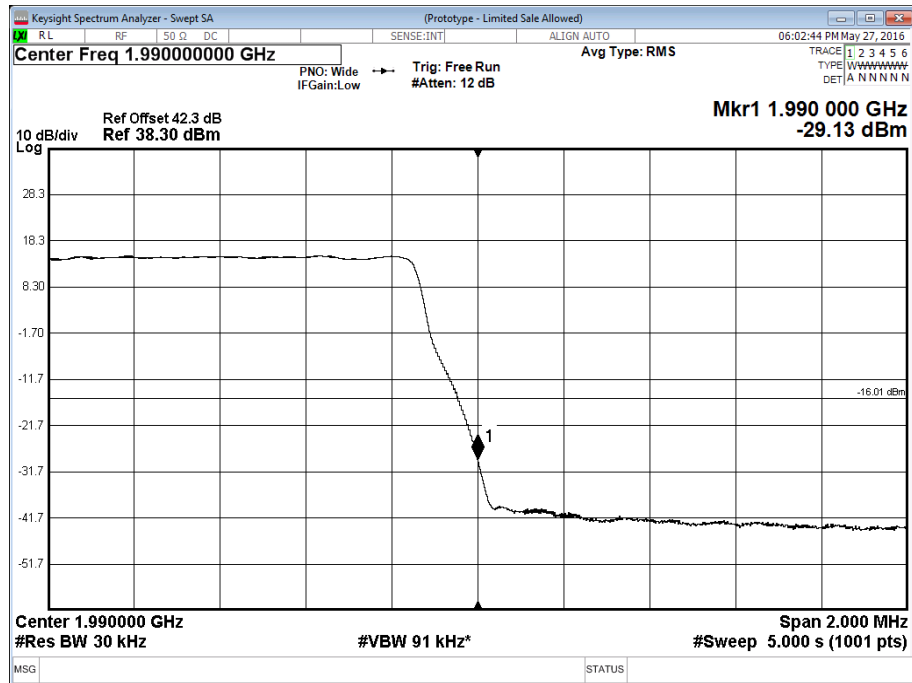


Configuration O

Maximum Output Power 37 dBm

LTE Bandwidth	WCDMA Modulation	Band Edge (MHz)
		Channel Position TRFBW
3.0 MHz	16QAM	1984.6 (W) + 1988.5 (L)

Channel Position TRFBW - Bandwidth 5.0 MHz - Antenna A

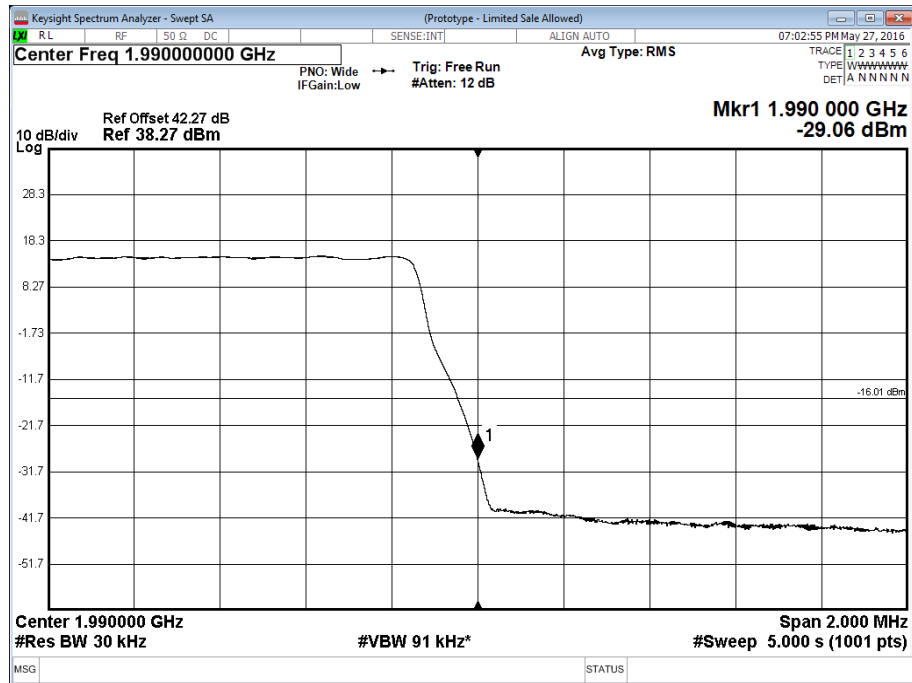


Configuration O

Maximum Output Power 37 dBm

LTE Bandwidth	WCDMA Modulation	Band Edge (MHz)
		Channel Position TRFBW
3.0 MHz	16QAM	1984.6 (W) + 1988.5 (L)

Channel Position TRFBW - Bandwidth 5.0 MHz - Antenna B

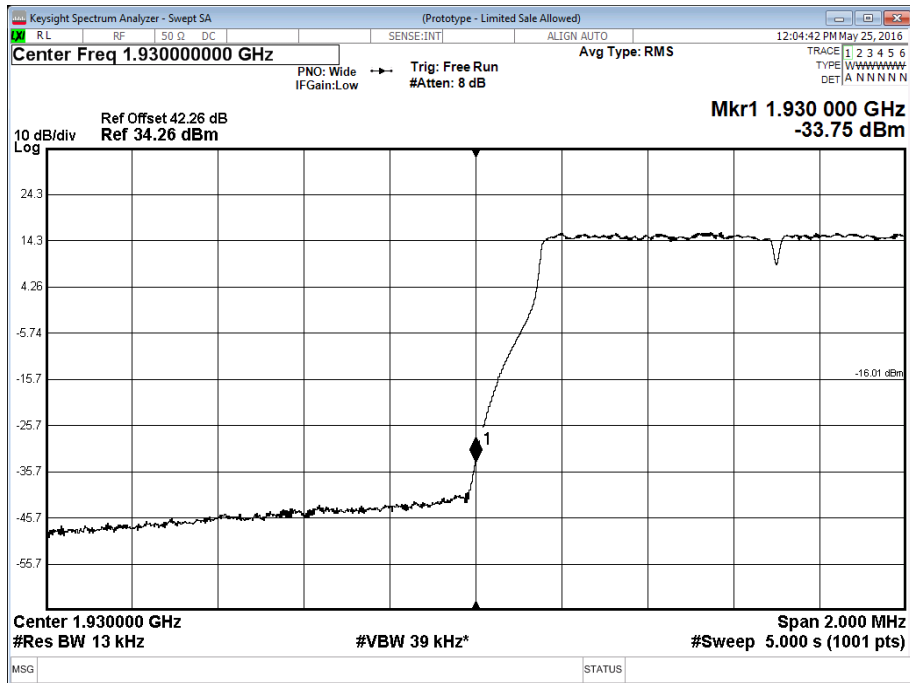


Configuration D

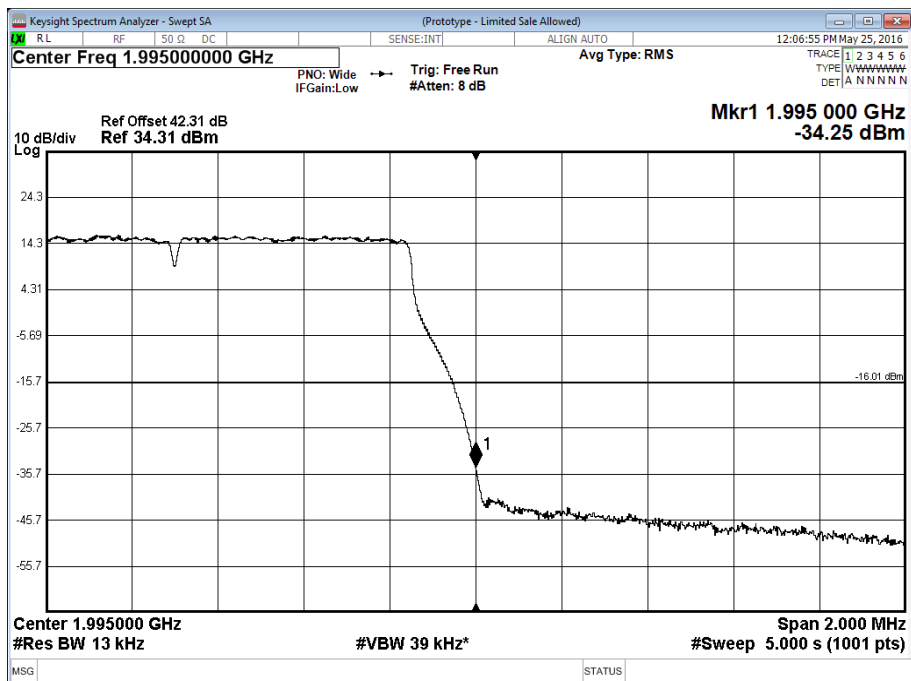
Maximum Output Power 37 dBm

Carrier Bandwidth	Modulation	Band Edge (MHz)	
		Channel Position B	Channel Position T
1.4 MHz	QPSK	1,930.7	1,994.3
3.0 MHz	QPSK	1,931.5	1,993.5
5.0 MHz	QPSK	1,932.5	1,992.5
10.0 MHz	QPSK	1,935.0	1,990.0
15.0 MHz	QPSK	1,937.5	1,987.5
20.0 MHz	QPSK	1,940.0	1,985.0

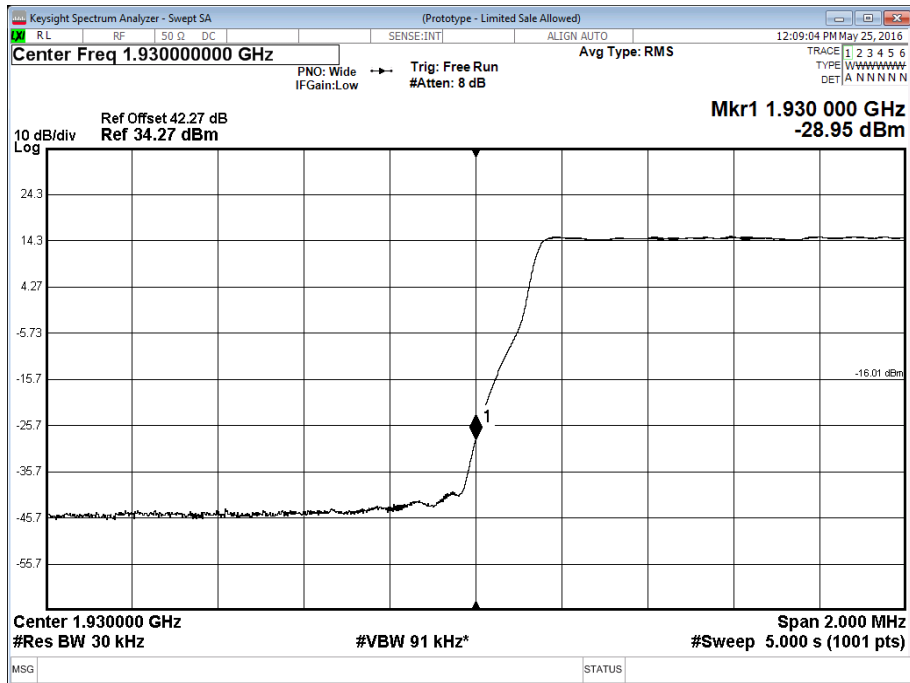
Channel Position B - Bandwidth 1.4 MHz - Antenna A



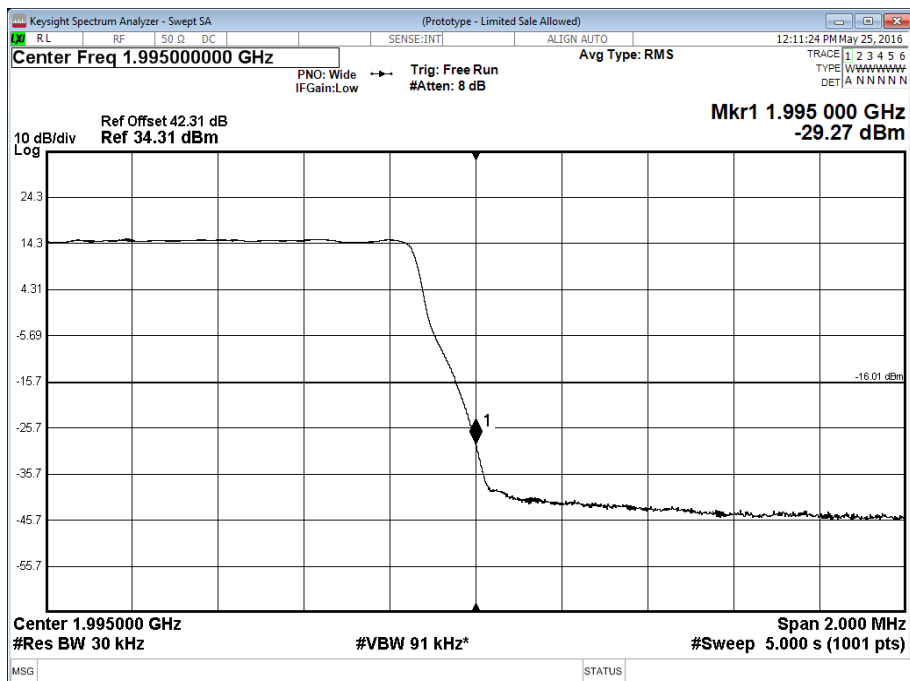
Channel Position T - Bandwidth 1.4 MHz - Antenna A



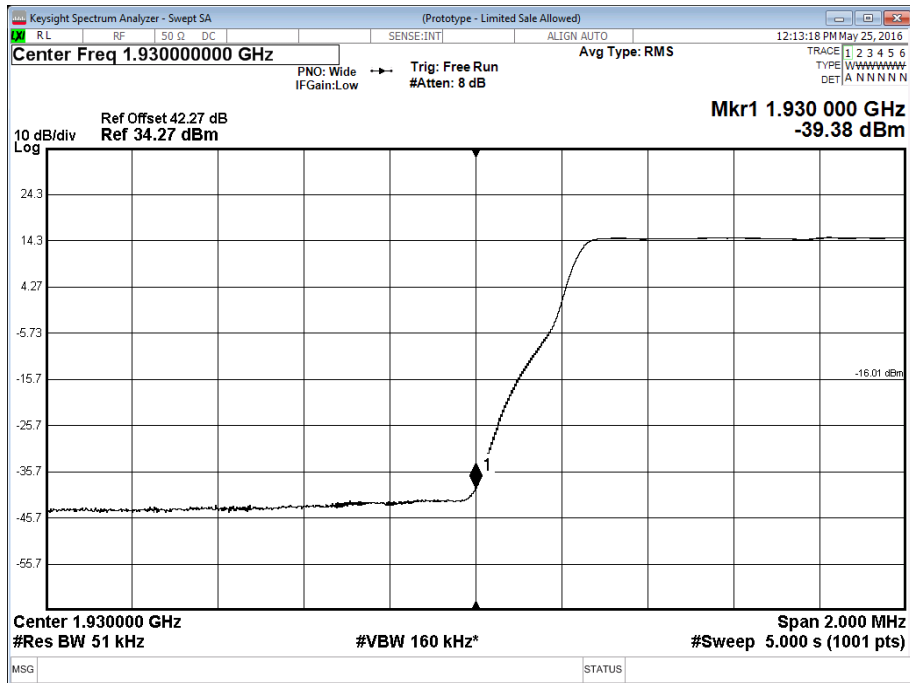
Channel Position B - Bandwidth 3.0 MHz - Antenna A



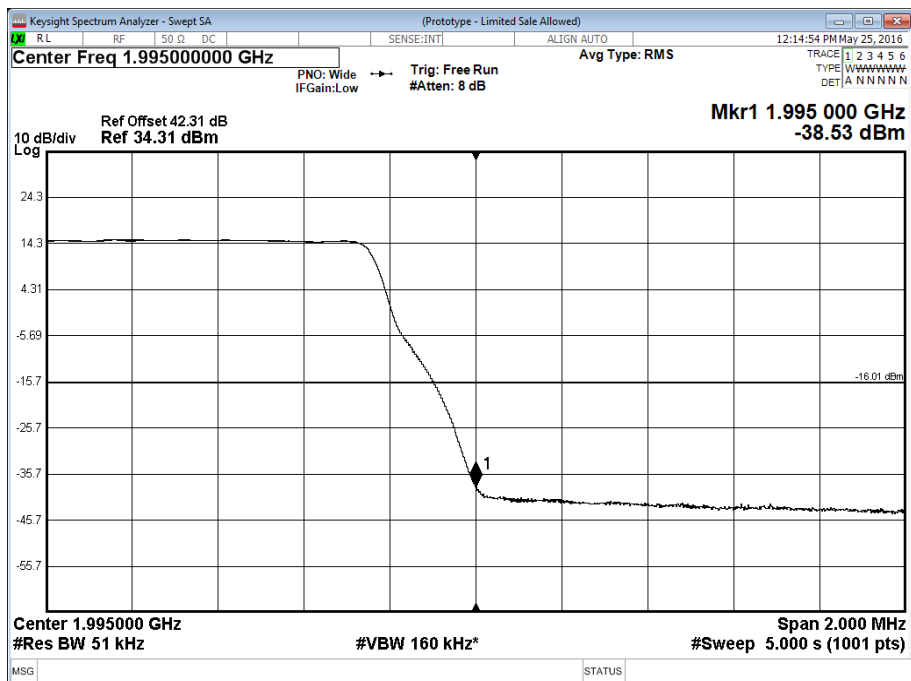
Channel Position T - Bandwidth 3.0 MHz - Antenna A



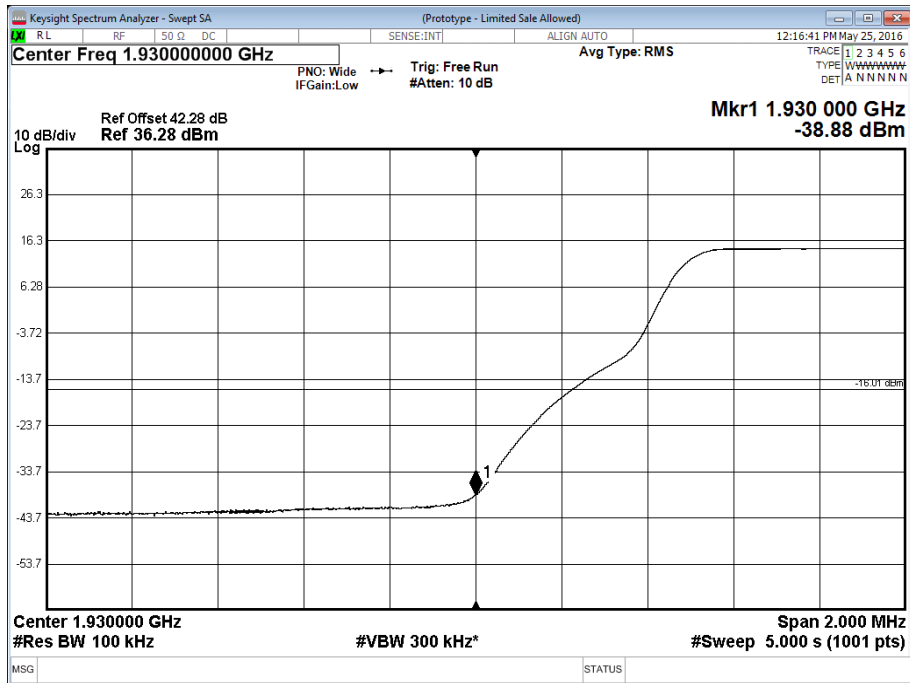
Channel Position B - Bandwidth 5.0 MHz - Antenna A



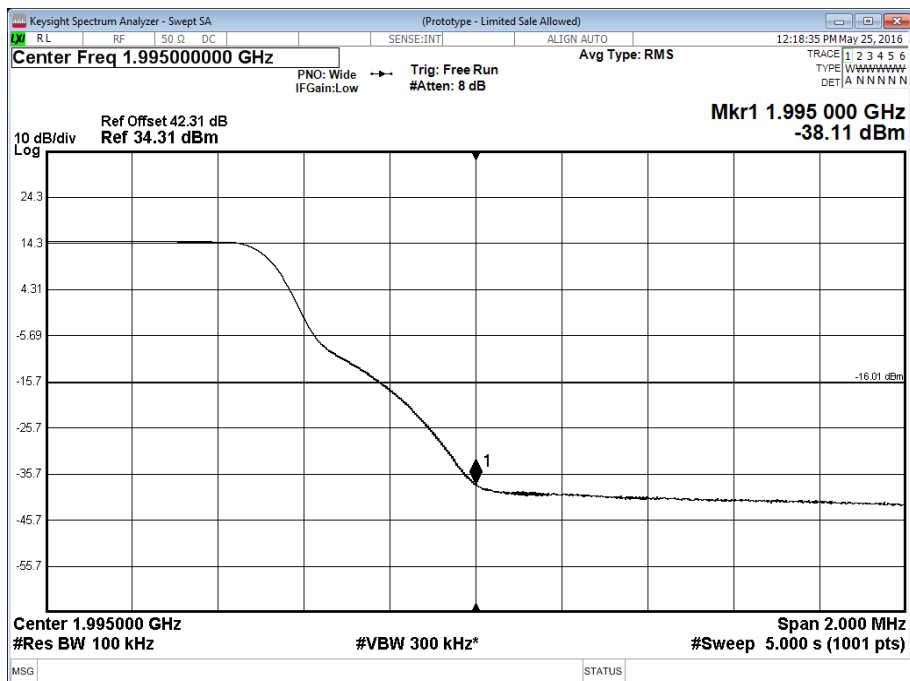
Channel Position T - Bandwidth 5.0 MHz - Antenna A



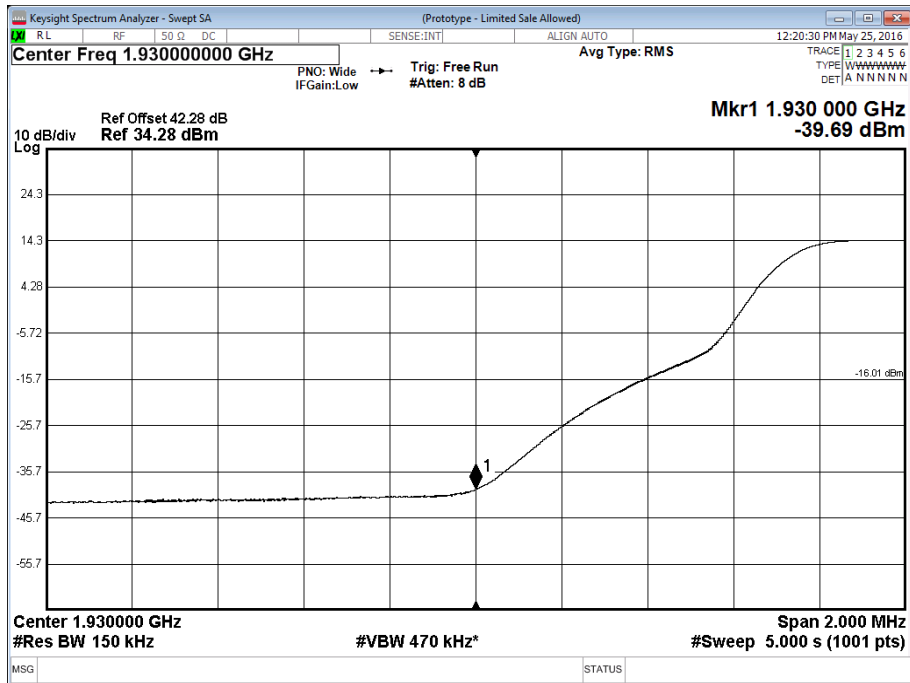
Channel Position B - Bandwidth 10.0 MHz - Antenna A



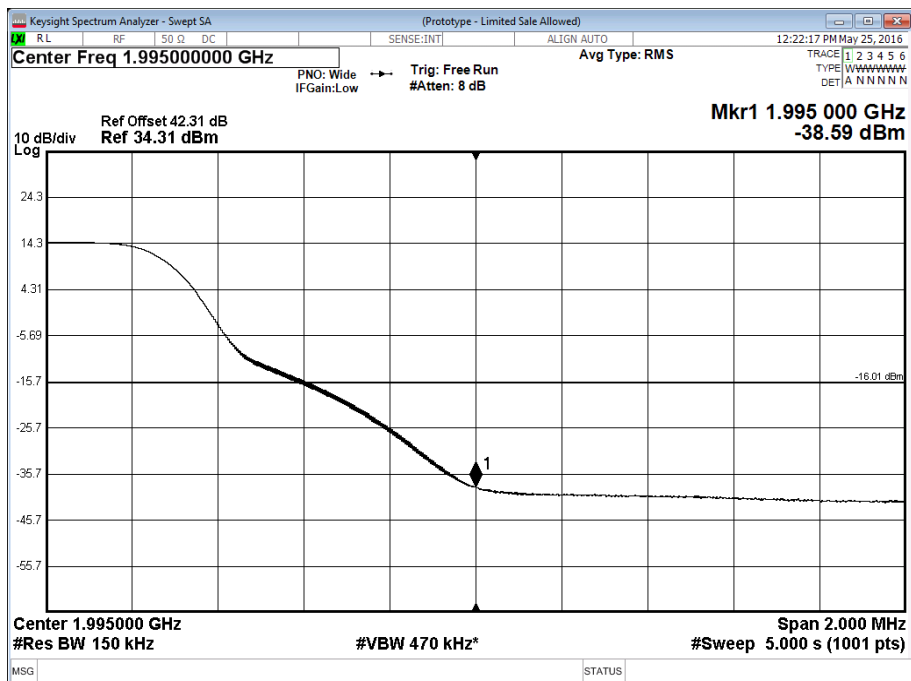
Channel Position T - Bandwidth 10.0 MHz - Antenna A



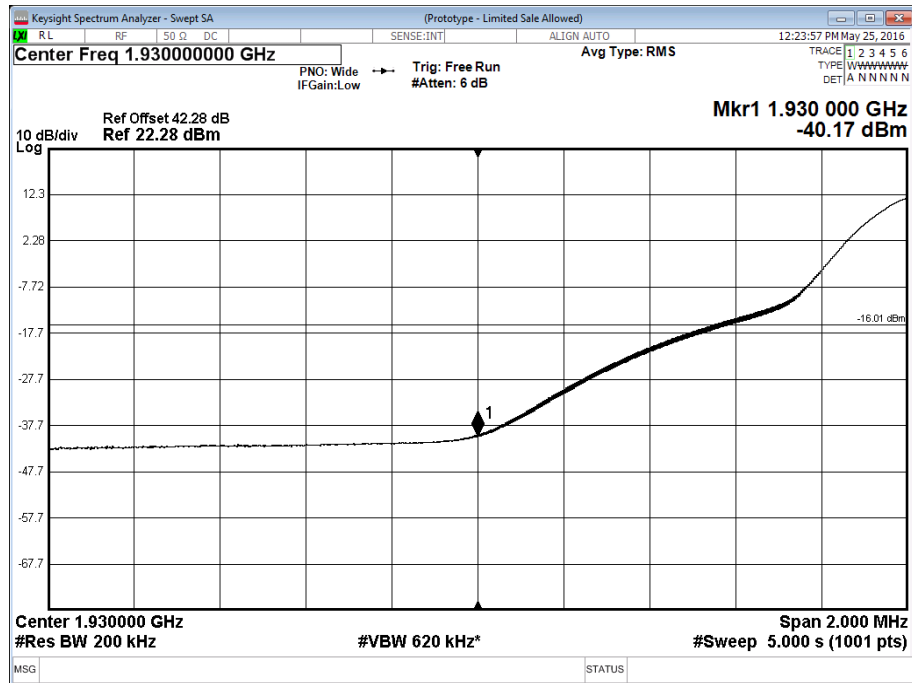
Channel Position B - Bandwidth 15.0 MHz - Antenna A



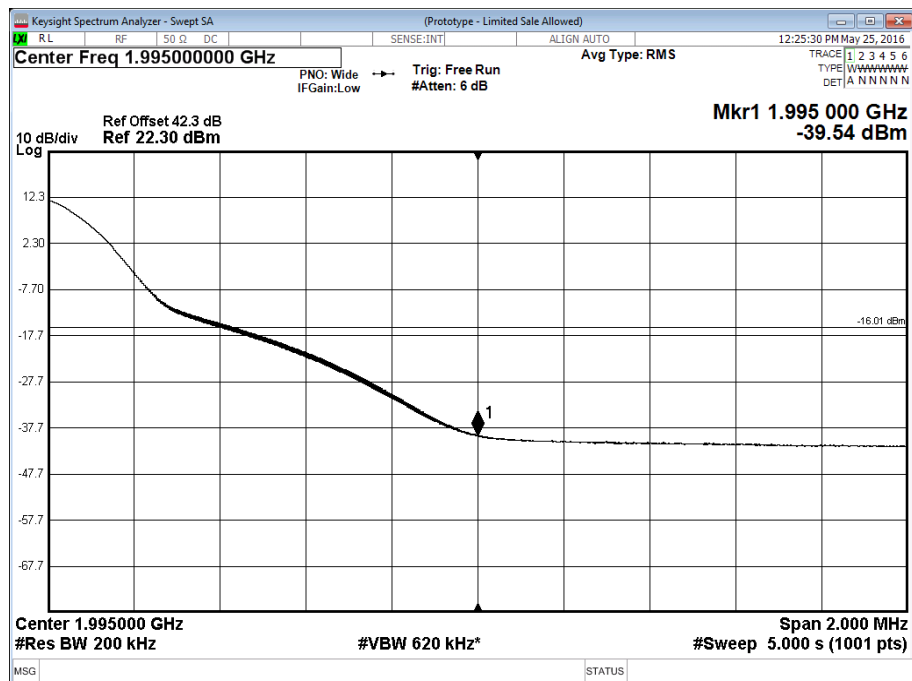
Channel Position T - Bandwidth 15.0 MHz - Antenna A



Channel Position B - Bandwidth 20.0 MHz - Antenna A



Channel Position T - Bandwidth 20.0 MHz - Antenna A

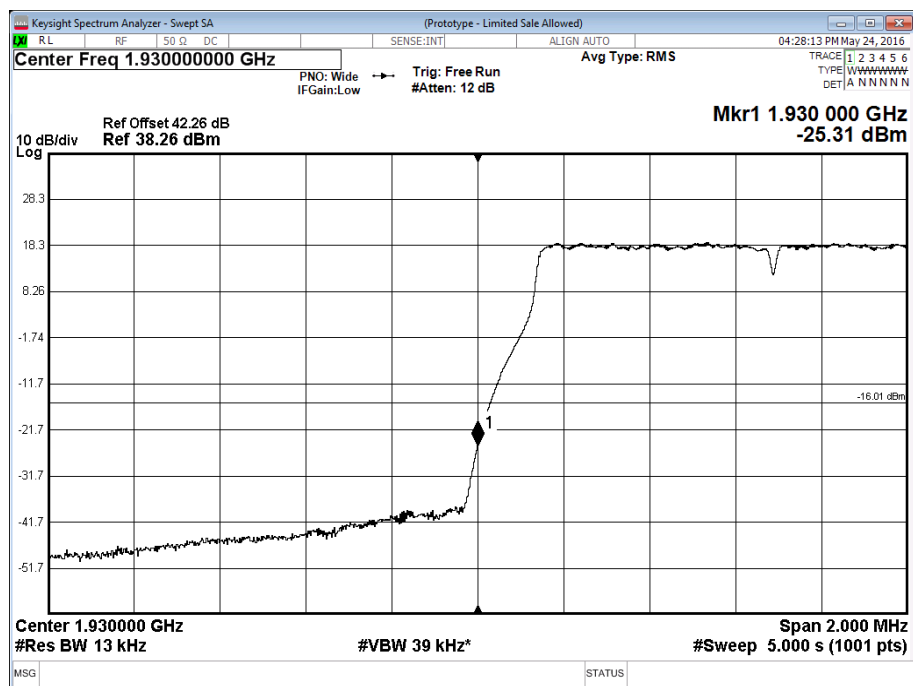


Configuration D

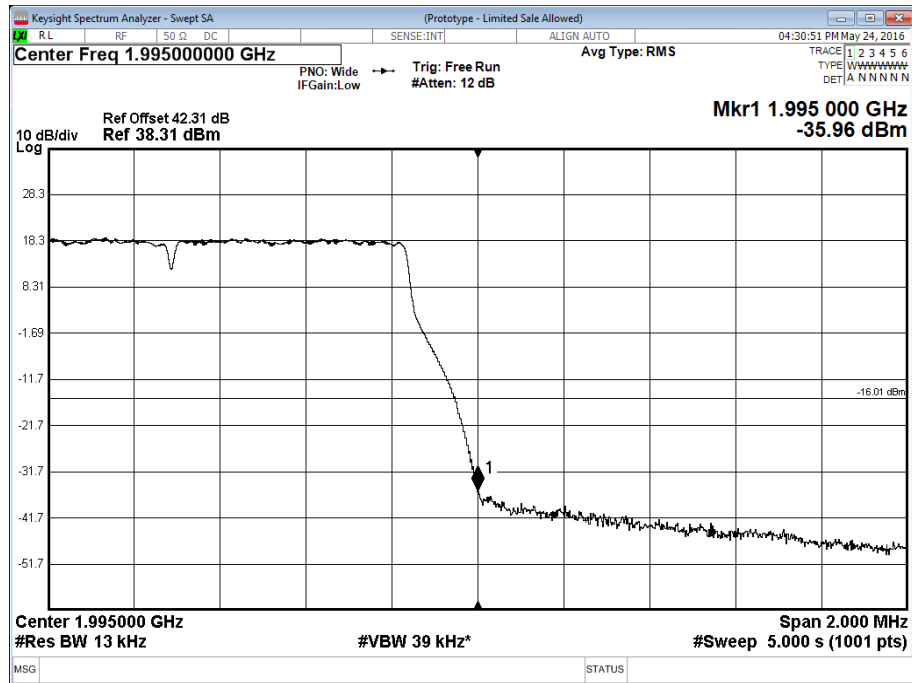
Maximum Output Power 37 dBm

Carrier Bandwidth	Modulation	Band Edge (MHz)	
		Channel Position B	Channel Position T
1.4 MHz	QPSK	1,930.7	1,994.3
3.0 MHz	QPSK	1,931.5	1,993.5
5.0 MHz	QPSK	1,932.5	1,992.5
10.0 MHz	QPSK	1,935.0	1,990.0
15.0 MHz	QPSK	1,937.5	1,987.5
20.0 MHz	QPSK	1,940.0	1,985.0

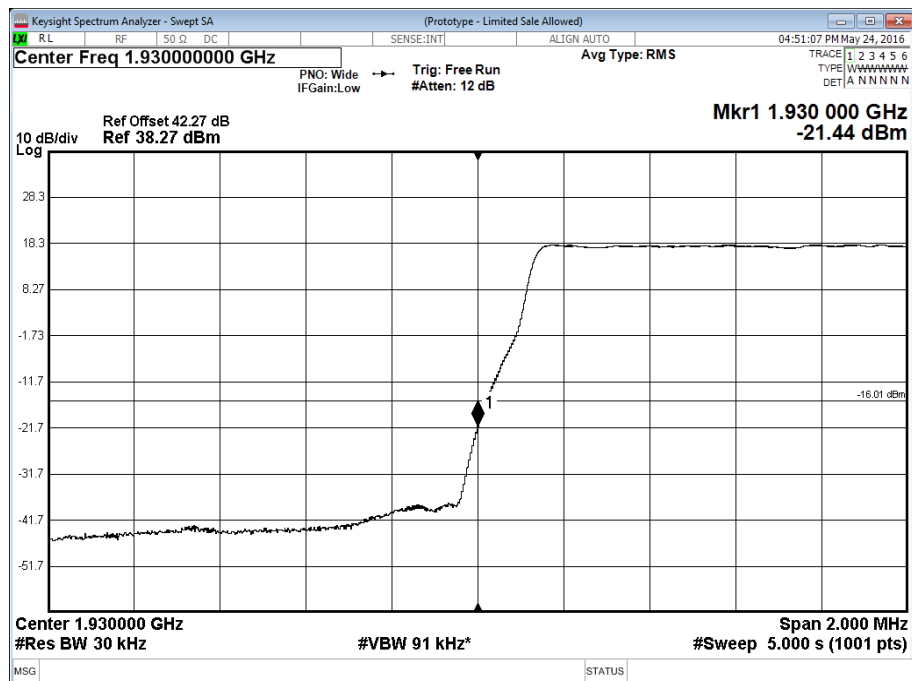
Channel Position B - Bandwidth 1.4 MHz - Antenna B



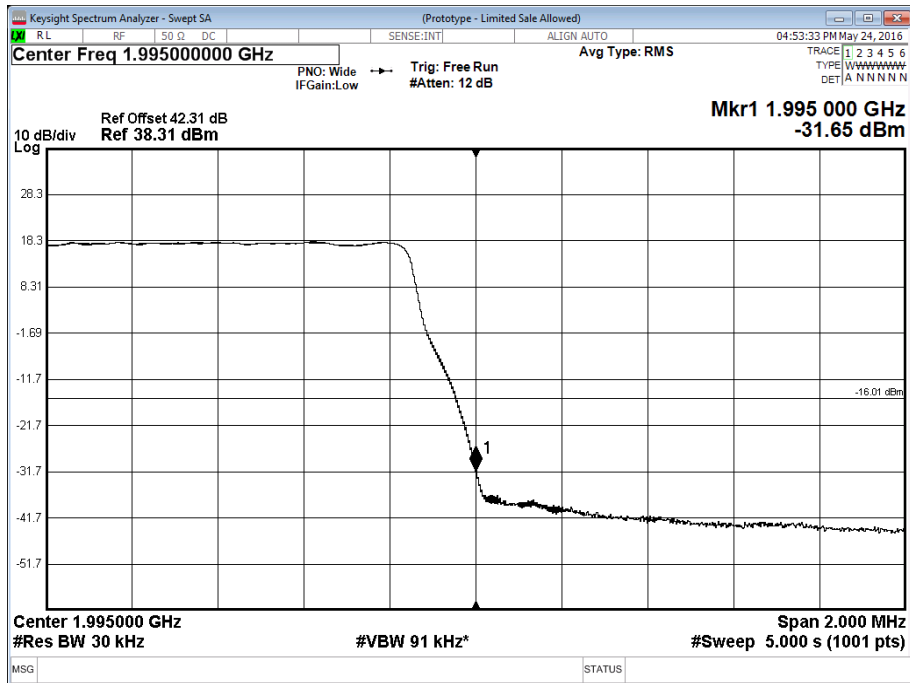
Channel Position T - Bandwidth 1.4 MHz - Antenna B



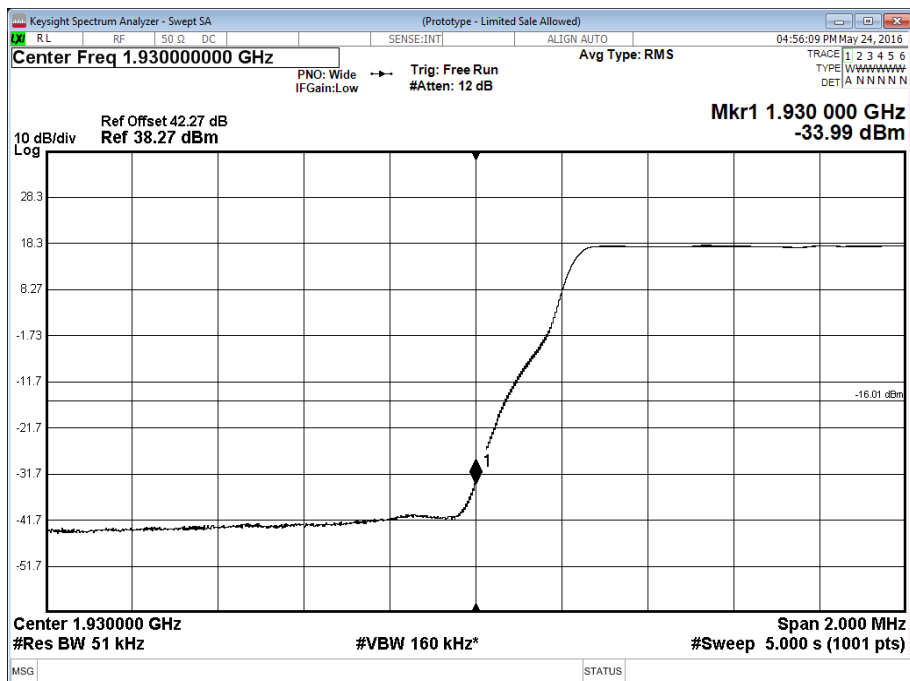
Channel Position B - Bandwidth 3.0 MHz - Antenna B



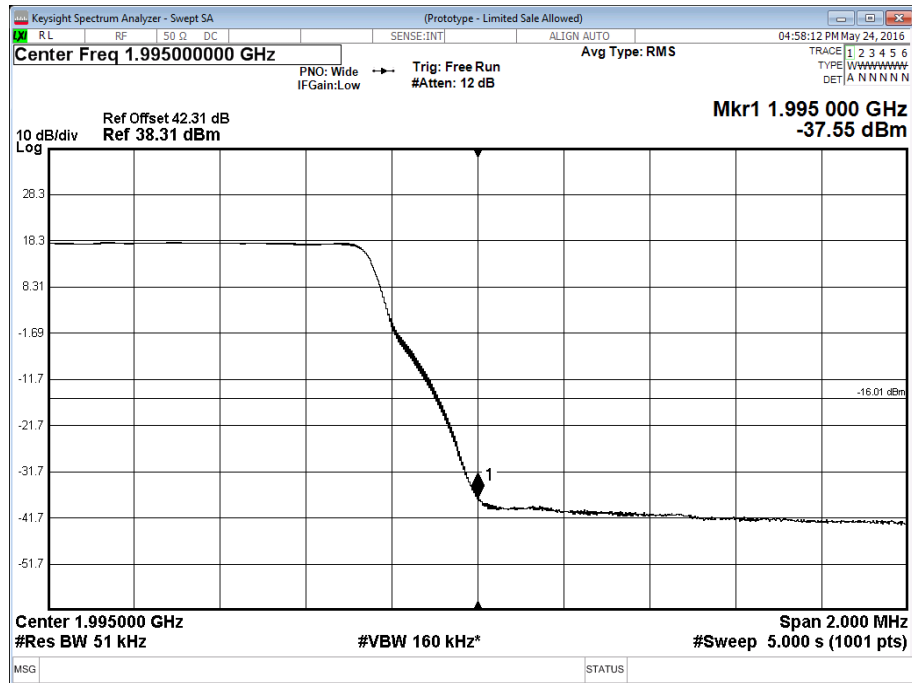
Channel Position T - Bandwidth 3.0 MHz - Antenna B



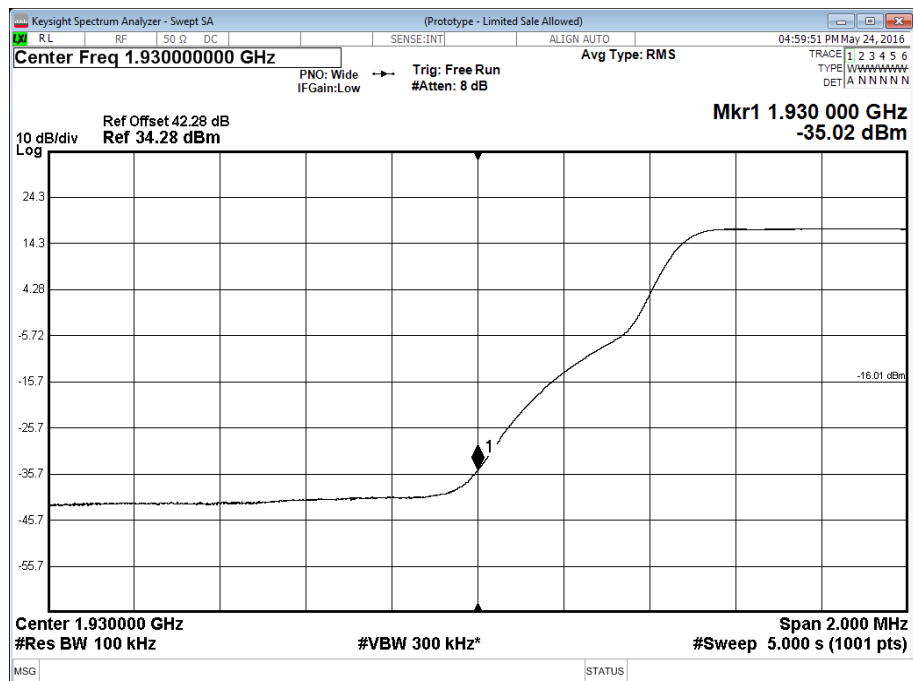
Channel Position B - Bandwidth 5.0 MHz - Antenna B



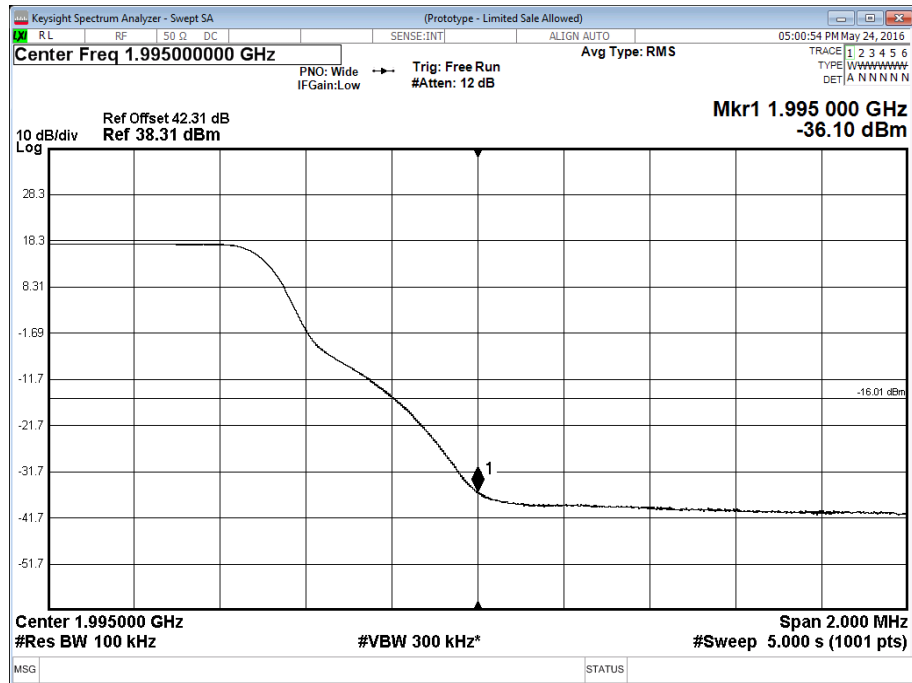
Channel Position T - Bandwidth 5.0 MHz - Antenna B



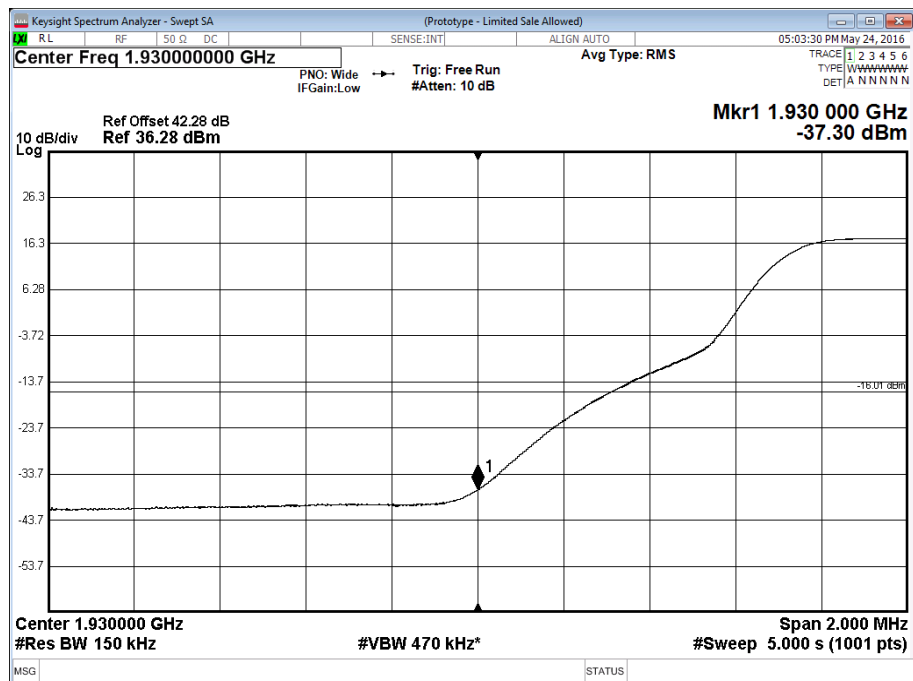
Channel Position B - Bandwidth 10.0 MHz - Antenna B



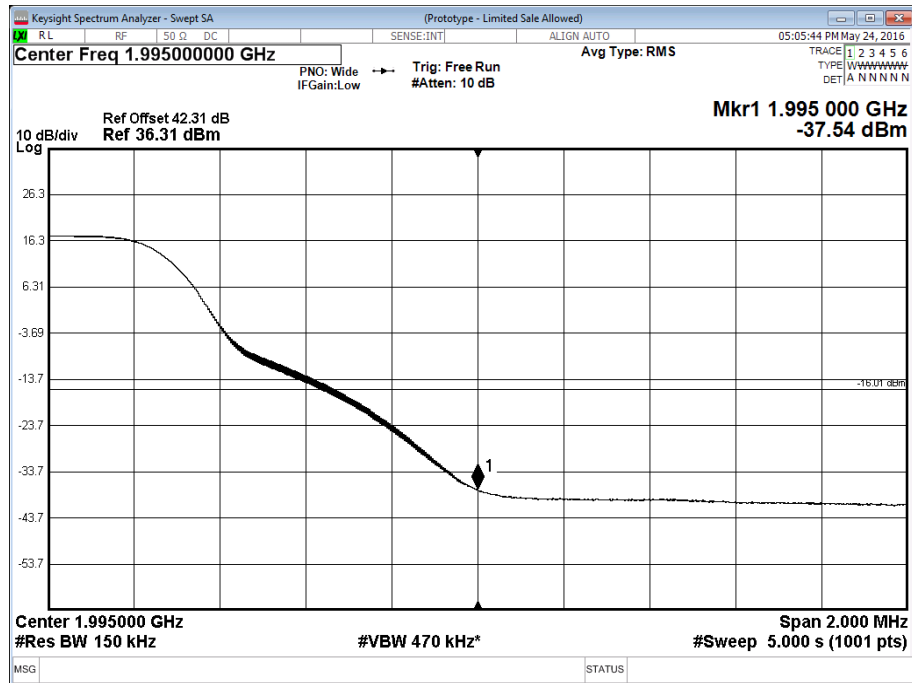
Channel Position T - Bandwidth 10.0 MHz - Antenna B



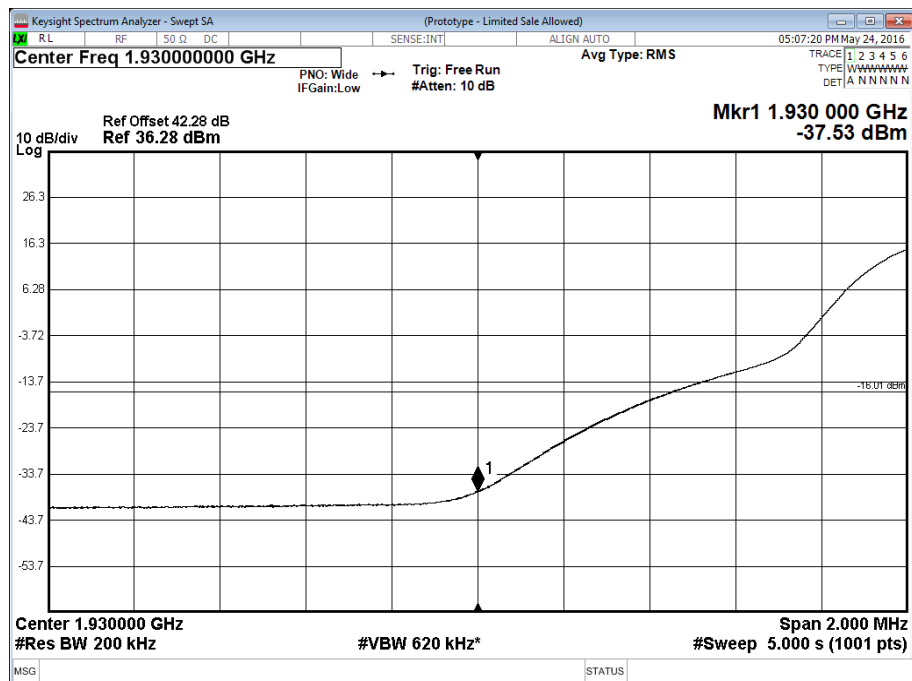
Channel Position B - Bandwidth 15.0 MHz - Antenna B



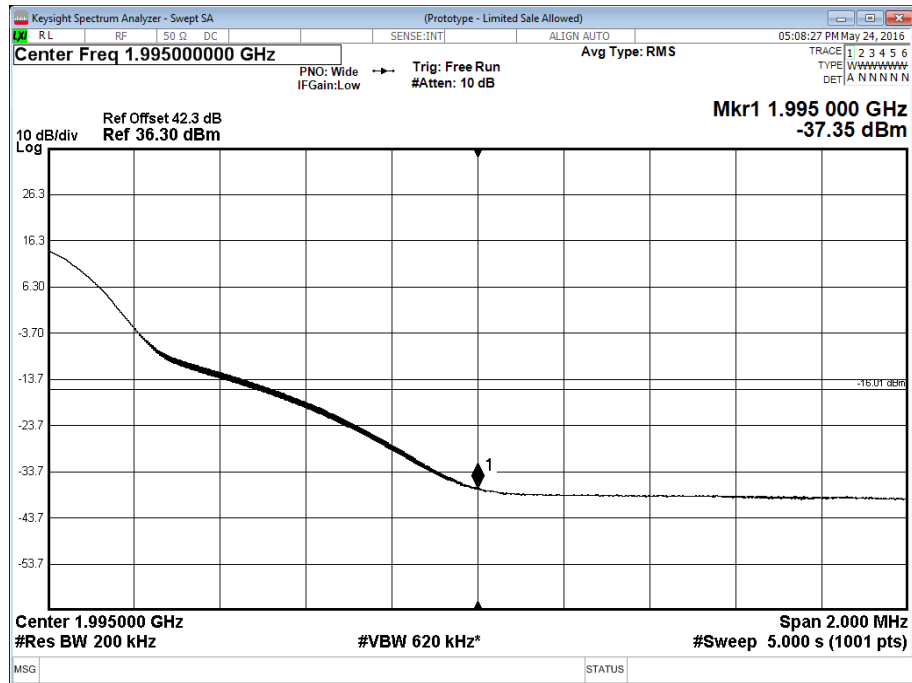
Channel Position T - Bandwidth 15.0 MHz - Antenna B



Channel Position B - Bandwidth 20.0 MHz - Antenna B



Channel Position T - Bandwidth 20.0 MHz - Antenna B

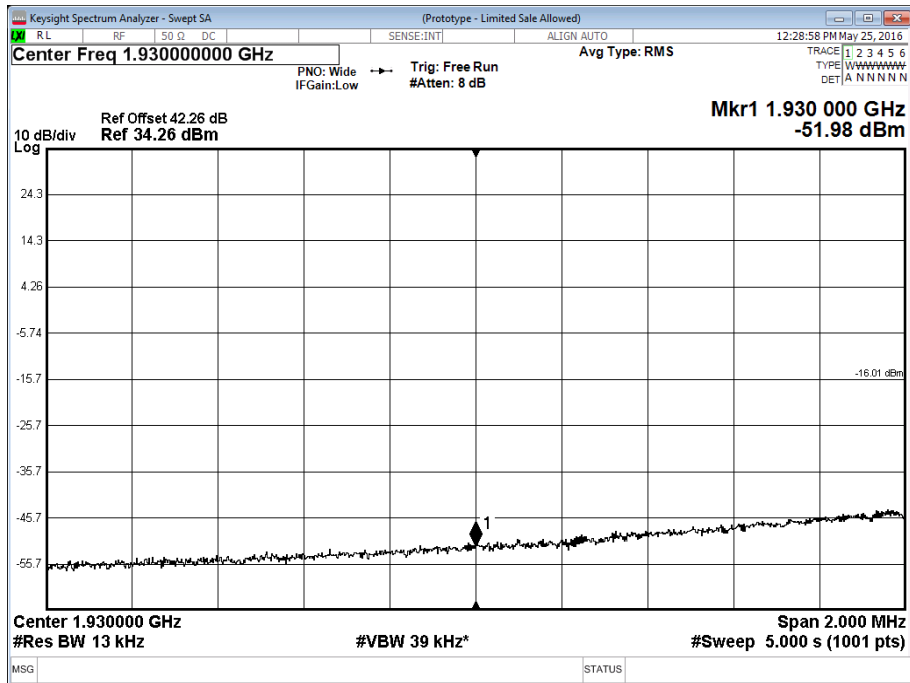


Configuration E

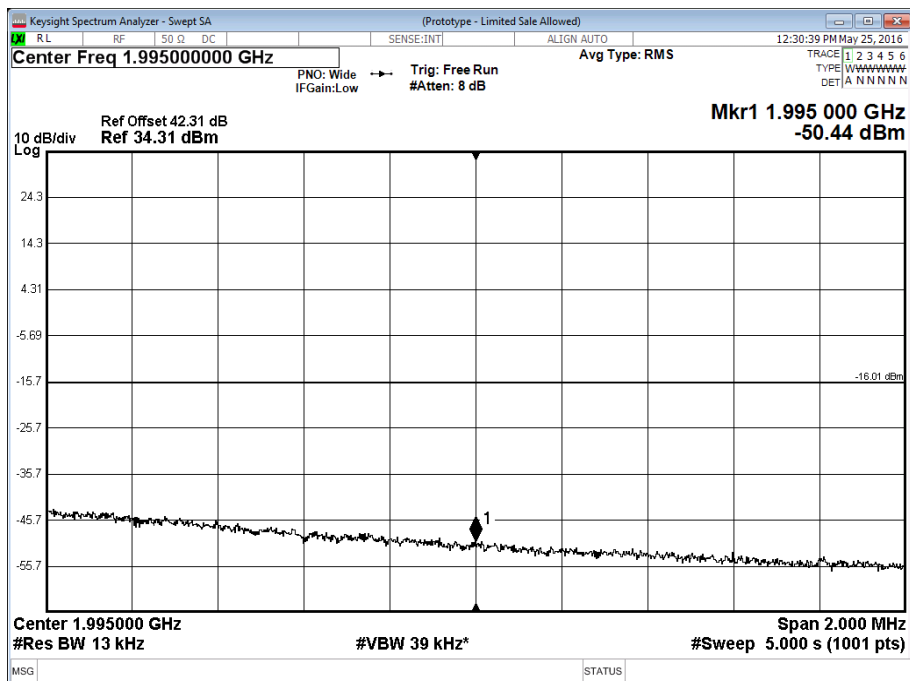
Maximum Output Power 37 dBm

Carrier Bandwidth	Modulation	Band Edge (MHz)	
		Channel Position B	Channel Position T
1.4 MHz	QPSK	1930.7 + 1932.1	1992.9 + 1994.3
3.0 MHz	QPSK	1931.5 + 1934.5	1990.5 + 1993.5
5.0 MHz	QPSK	1932.5 + 1937.5	1987.5 + 1992.5
10.0 MHz	QPSK	1935 + 1945	1980 + 1990
15.0 MHz	QPSK	1937.5 + 1952.5	1972.5 + 1987.5
20.0 MHz	QPSK	1940 + 1960	1965 + 1985

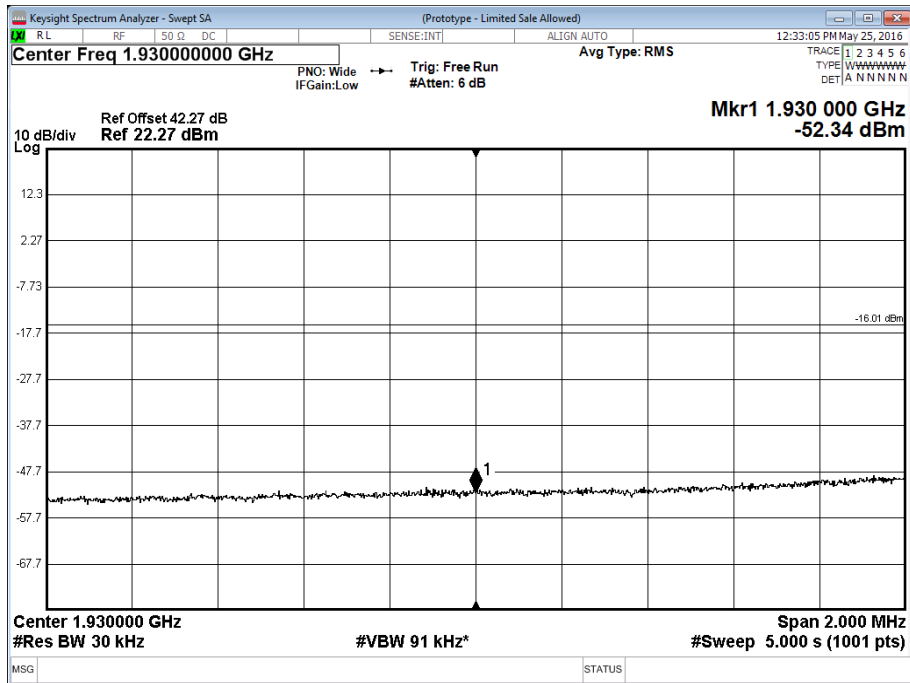
Channel Position B - Bandwidth 1.4 MHz - Antenna A



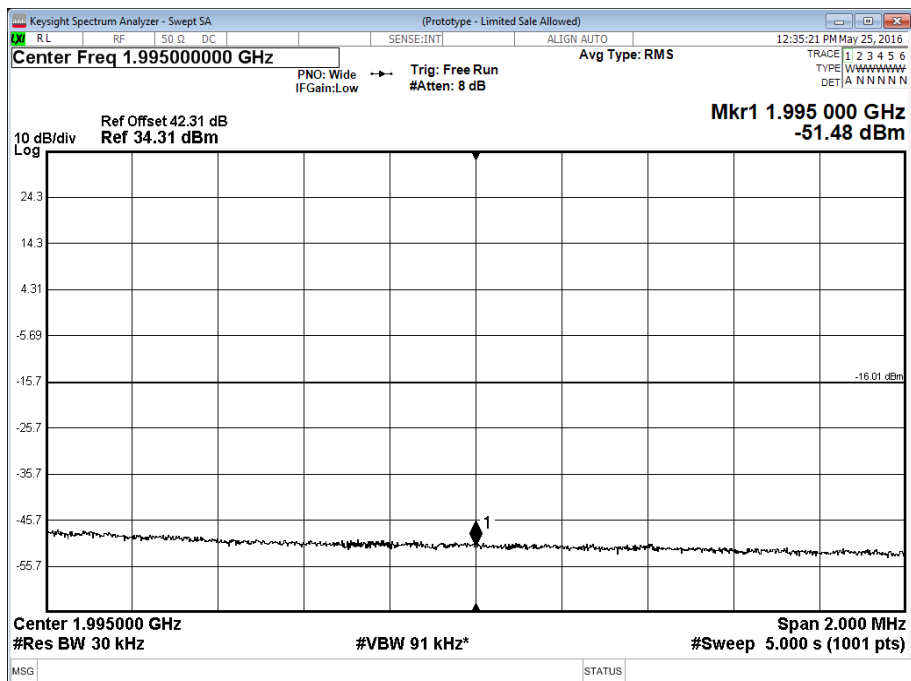
Channel Position T - Bandwidth 1.4 MHz - Antenna A



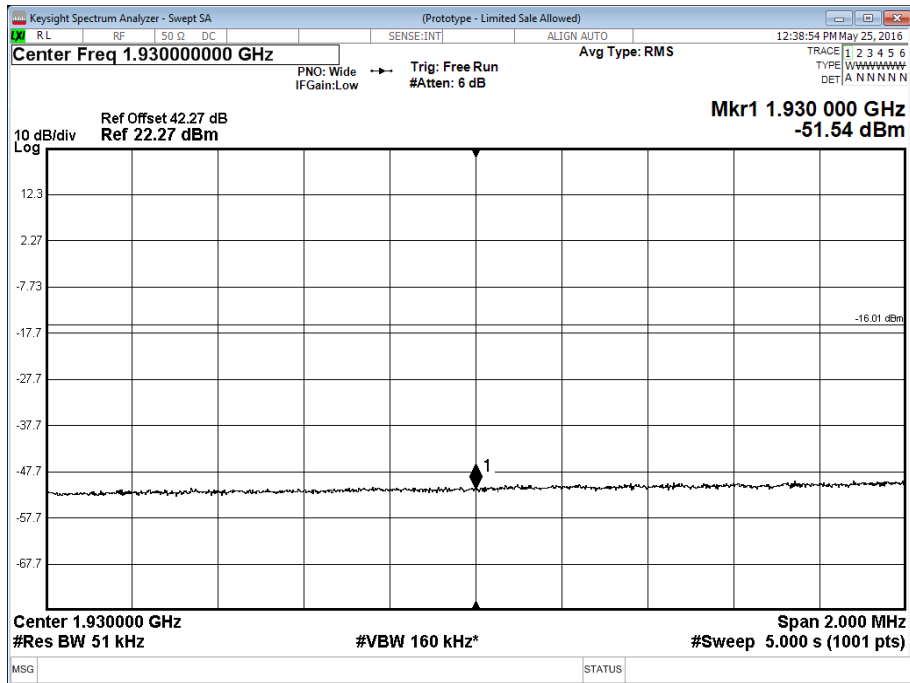
Channel Position B - Bandwidth 3.0 MHz - Antenna A



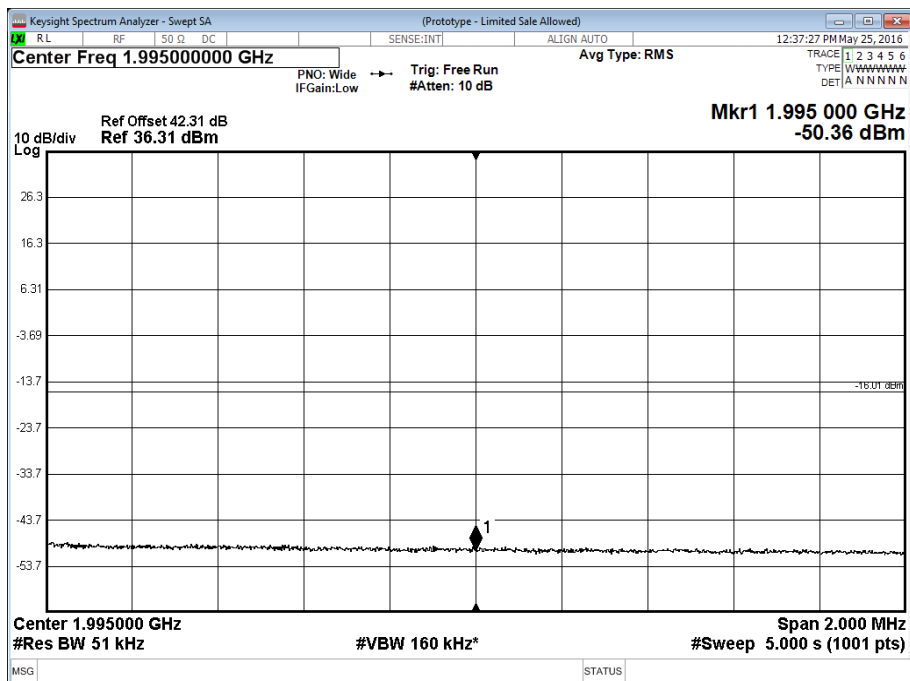
Channel Position T - Bandwidth 3.0 MHz - Antenna A



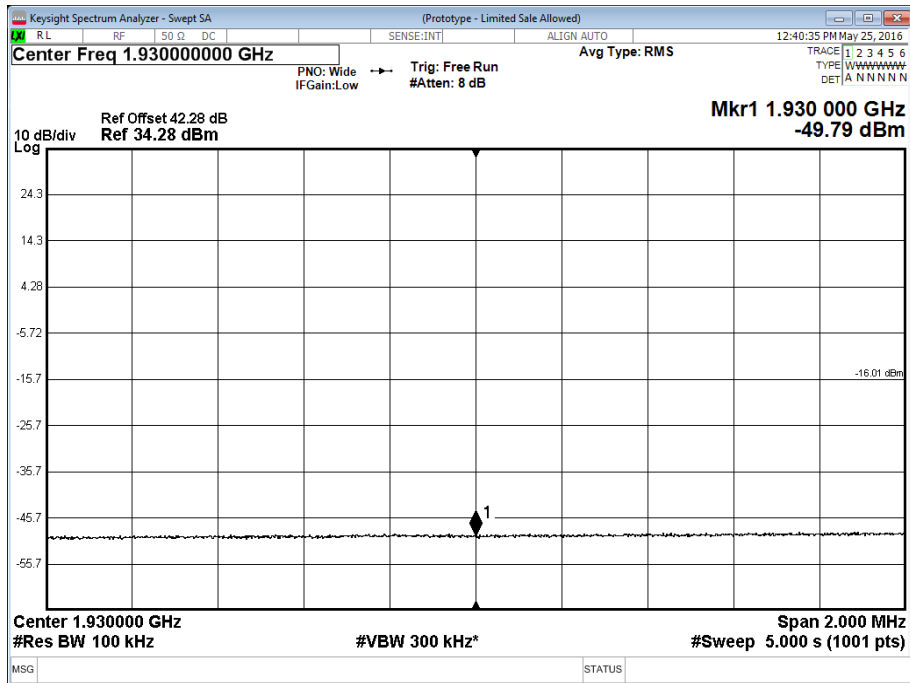
Channel Position B - Bandwidth 5.0 MHz - Antenna A



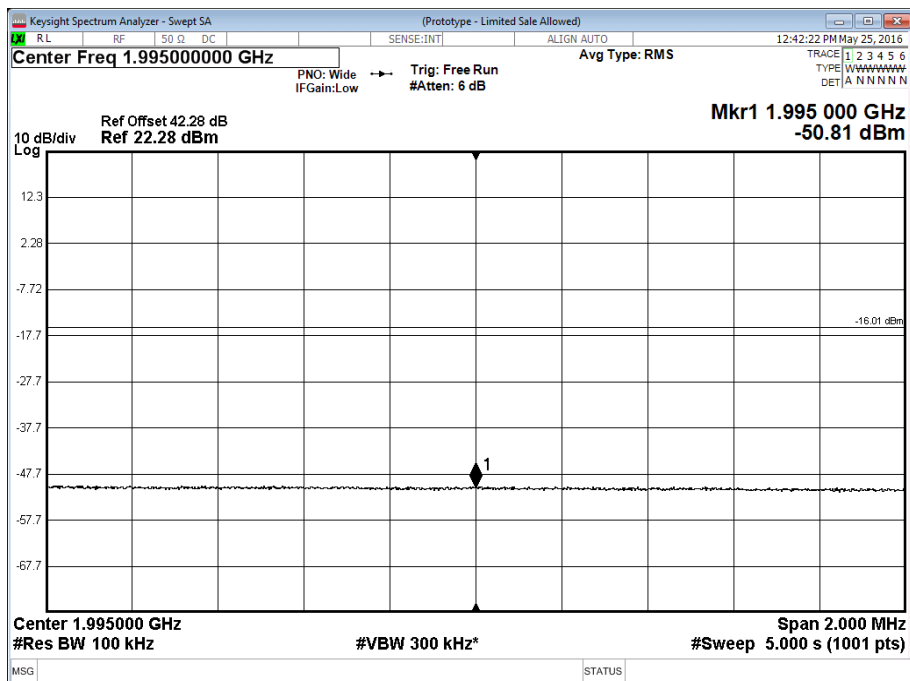
Channel Position T - Bandwidth 5.0 MHz - Antenna A



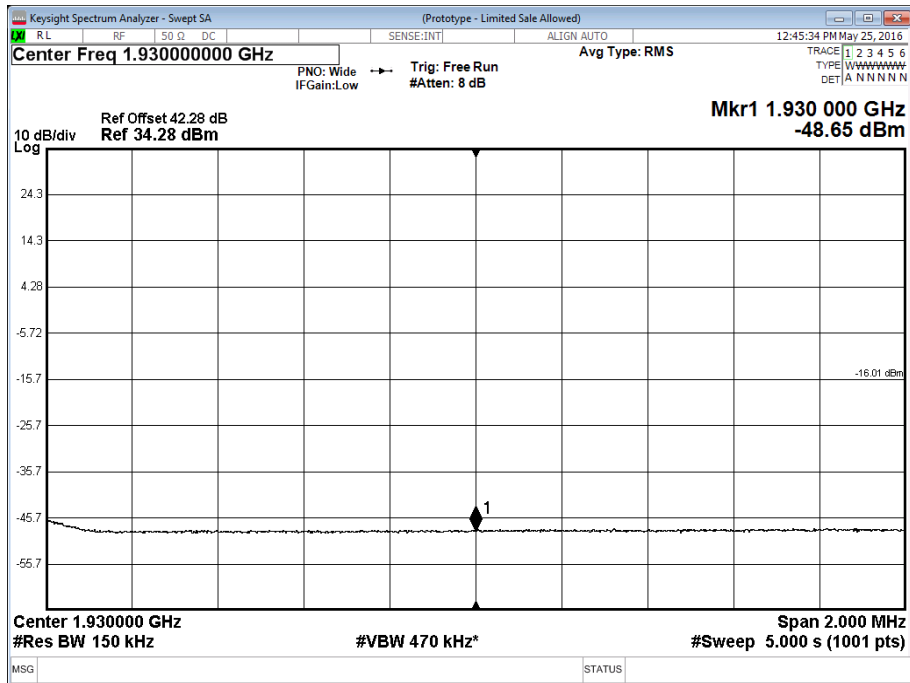
Channel Position B - Bandwidth 10.0 MHz - Antenna A



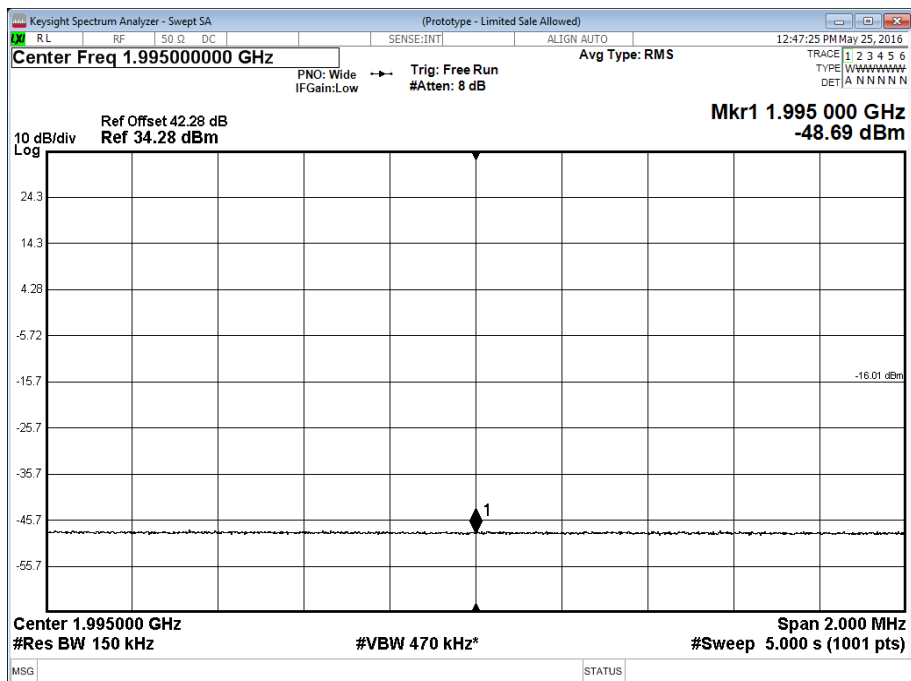
Channel Position T - Bandwidth 10.0 MHz - Antenna A



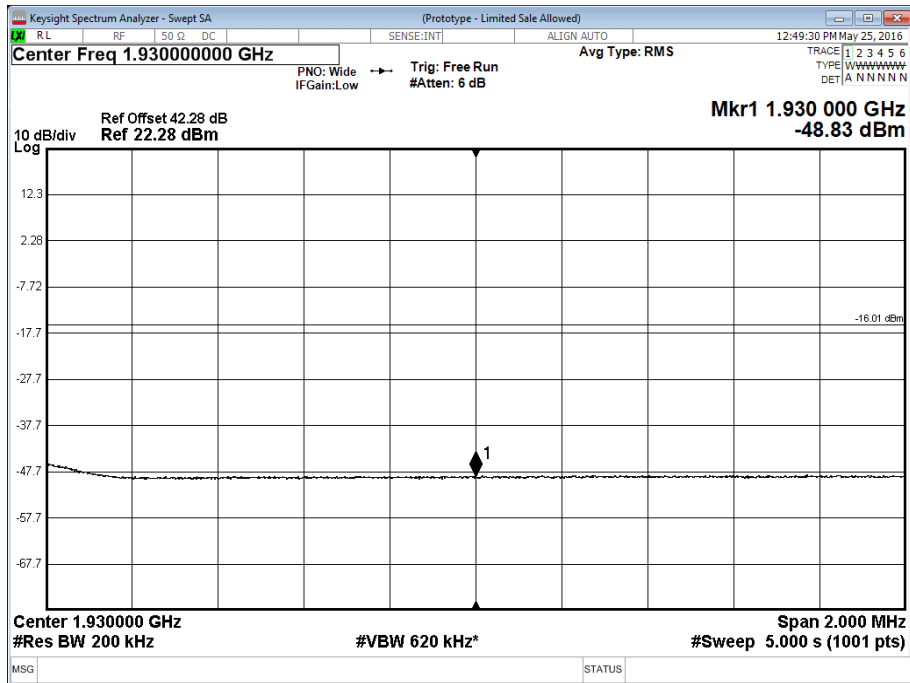
Channel Position B - Bandwidth 15.0 MHz - Antenna A



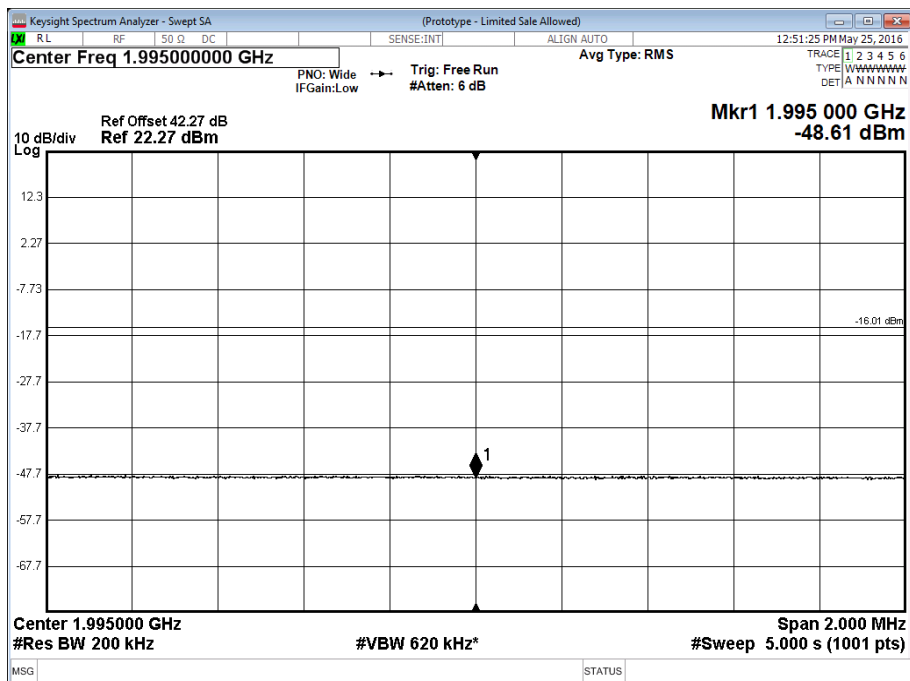
Channel Position T - Bandwidth 15.0 MHz - Antenna A



Channel Position B - Bandwidth 20.0 MHz - Antenna A



Channel Position T - Bandwidth 20.0 MHz - Antenna A

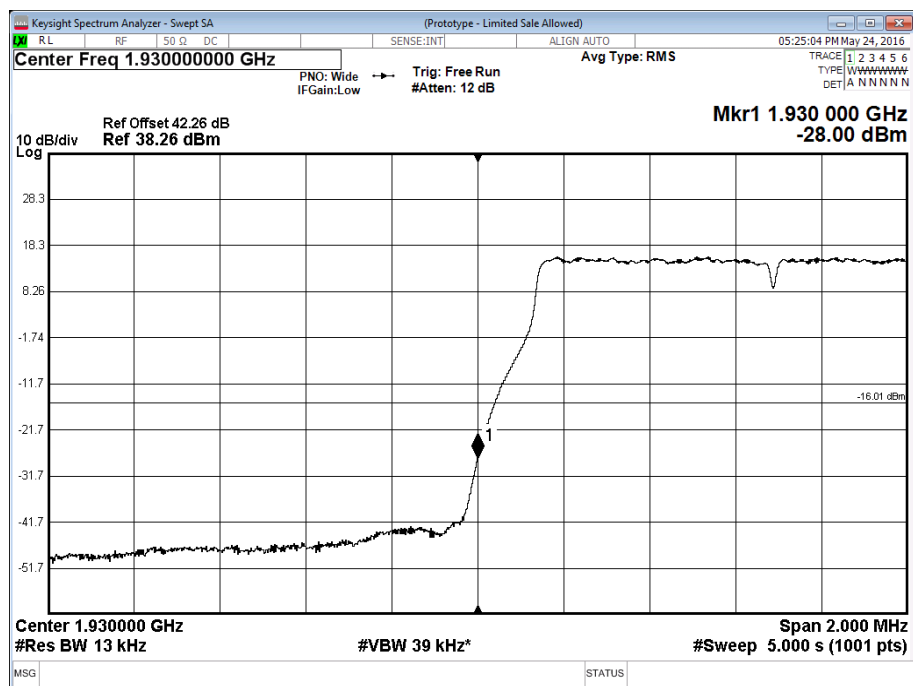


Configuration E

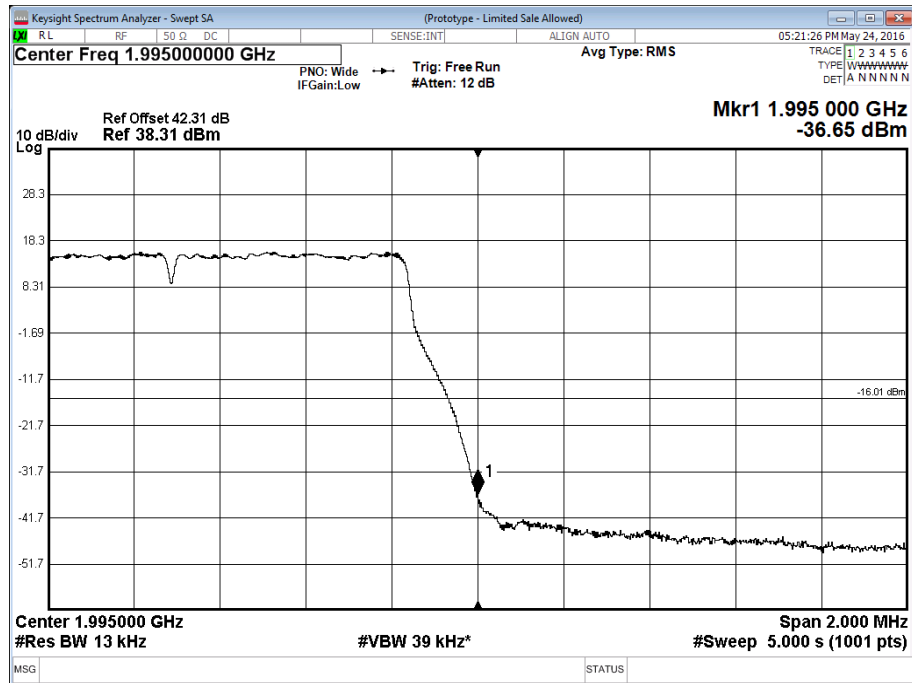
Maximum Output Power 37 dBm

Carrier Bandwidth	Modulation	Band Edge (MHz)	
		Channel Position B	Channel Position T
1.4 MHz	QPSK	1930.7 + 1932.1	1992.9 + 1994.3
3.0 MHz	QPSK	1931.5 + 1934.5	1990.5 + 1993.5
5.0 MHz	QPSK	1932.5 + 1937.5	1987.5 + 1992.5
10.0 MHz	QPSK	1935 + 1945	1980 + 1990
15.0 MHz	QPSK	1937.5 + 1952.5	1972.5 + 1987.5
20.0 MHz	QPSK	1940 + 1960	1965 + 1985

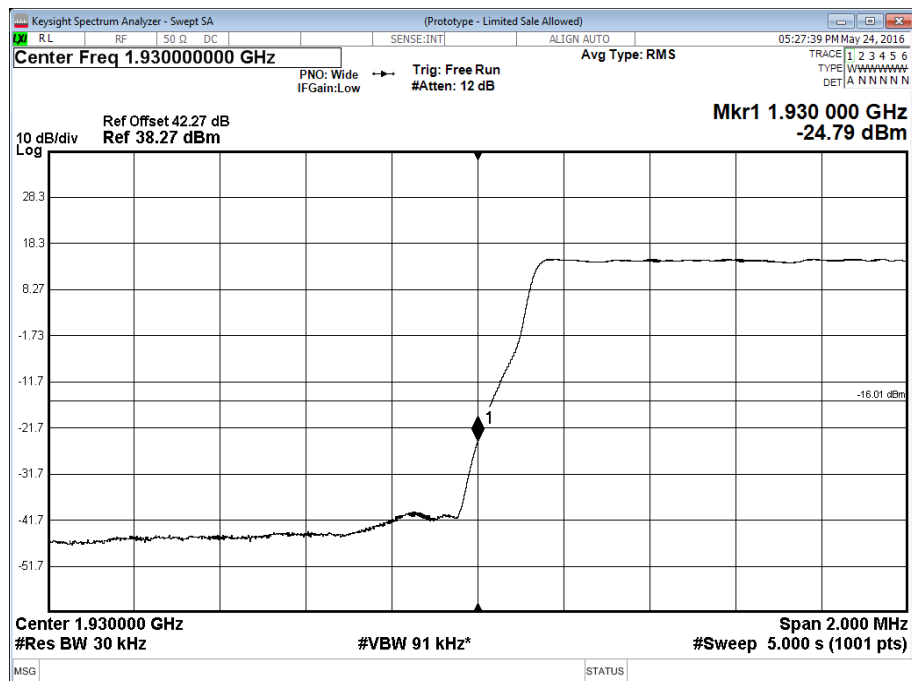
Channel Position B - Bandwidth 1.4 MHz - Antenna B



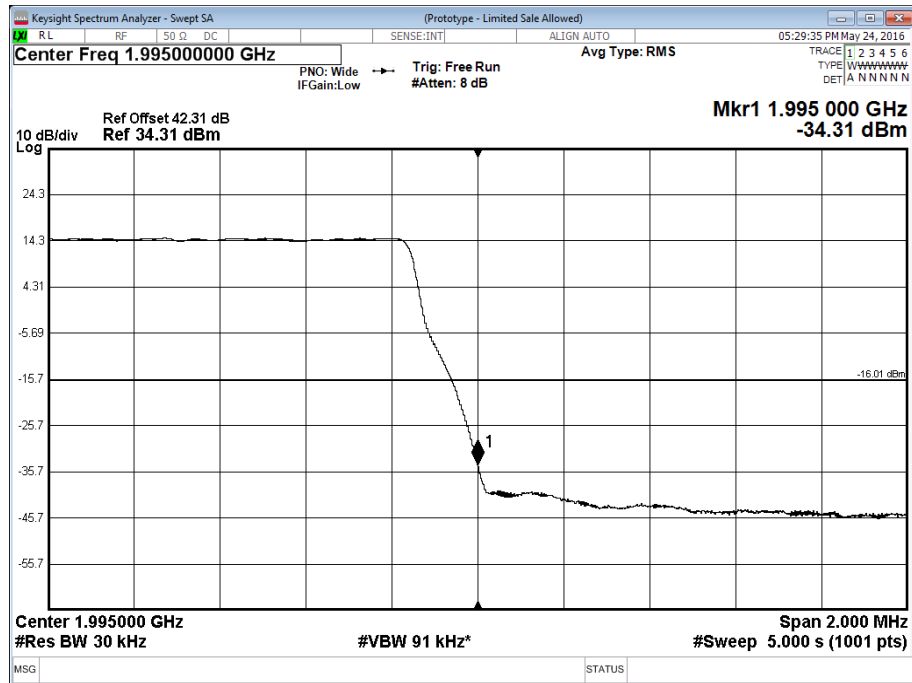
Channel Position T - Bandwidth 1.4 MHz - Antenna B



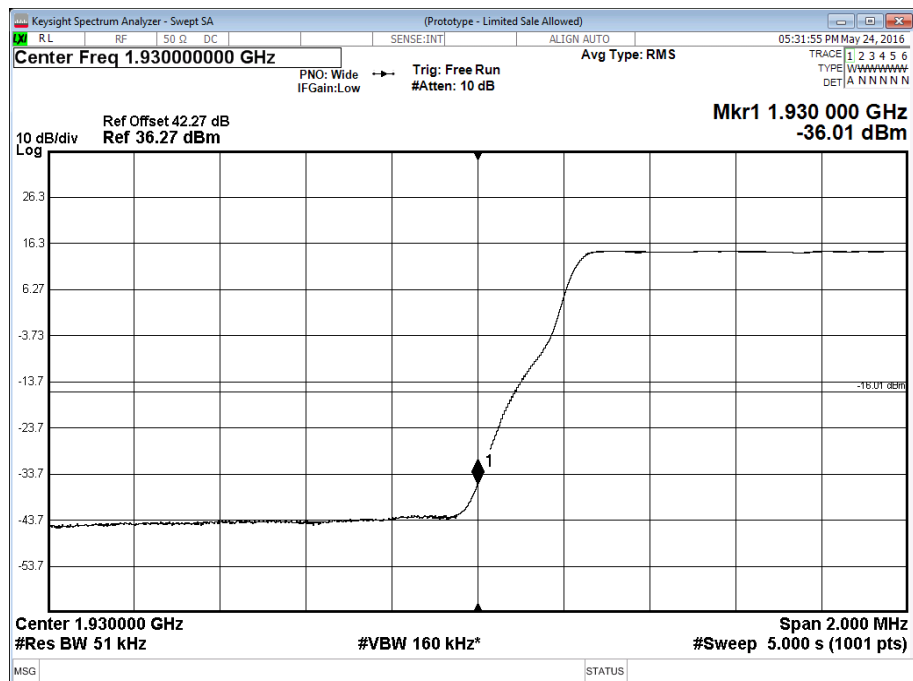
Channel Position B - Bandwidth 3.0 MHz - Antenna B



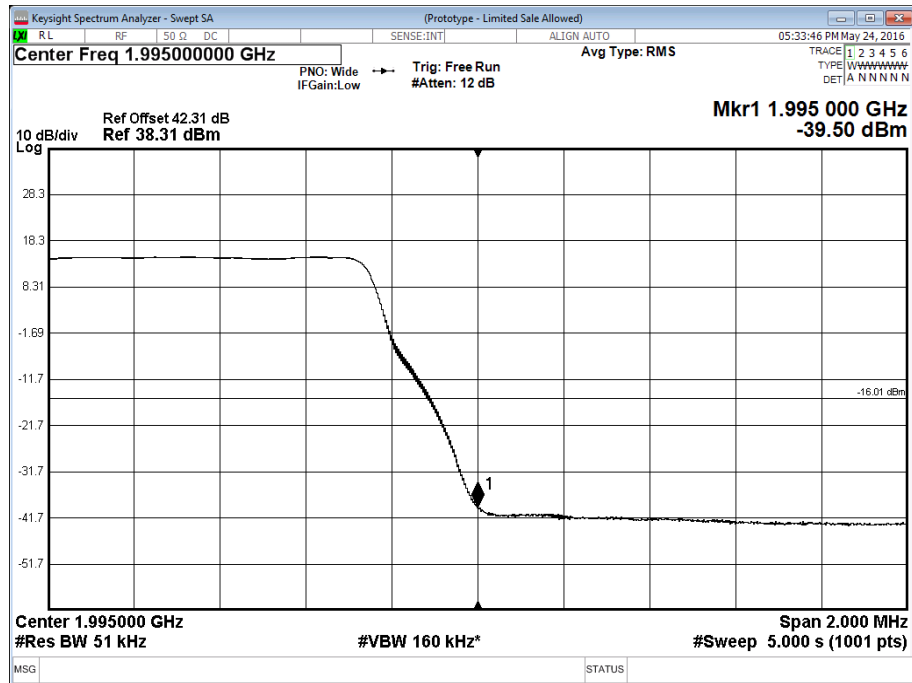
Channel Position T - Bandwidth 3.0 MHz - Antenna B



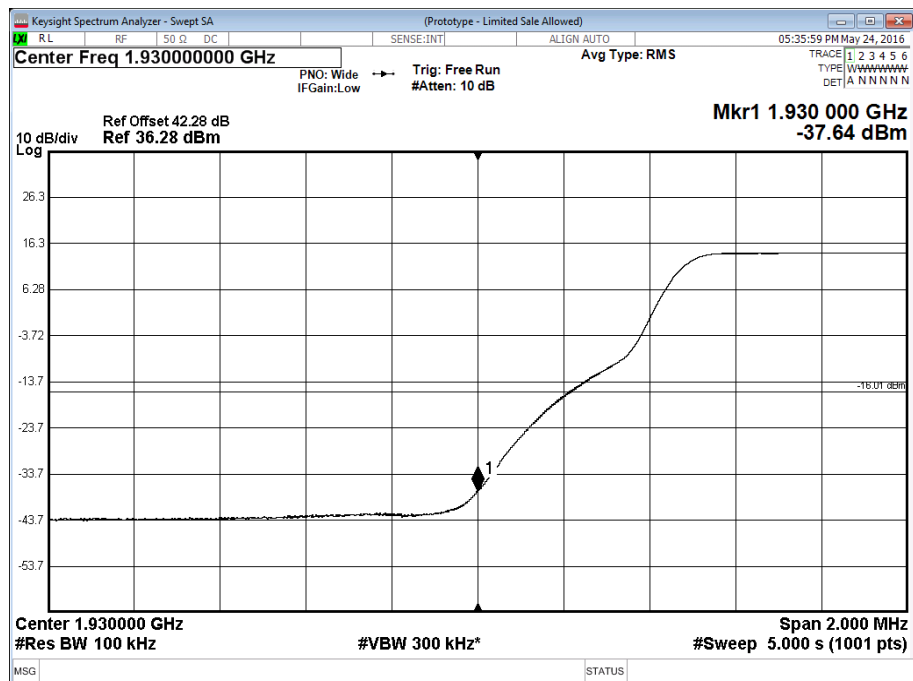
Channel Position B - Bandwidth 5.0 MHz - Antenna B



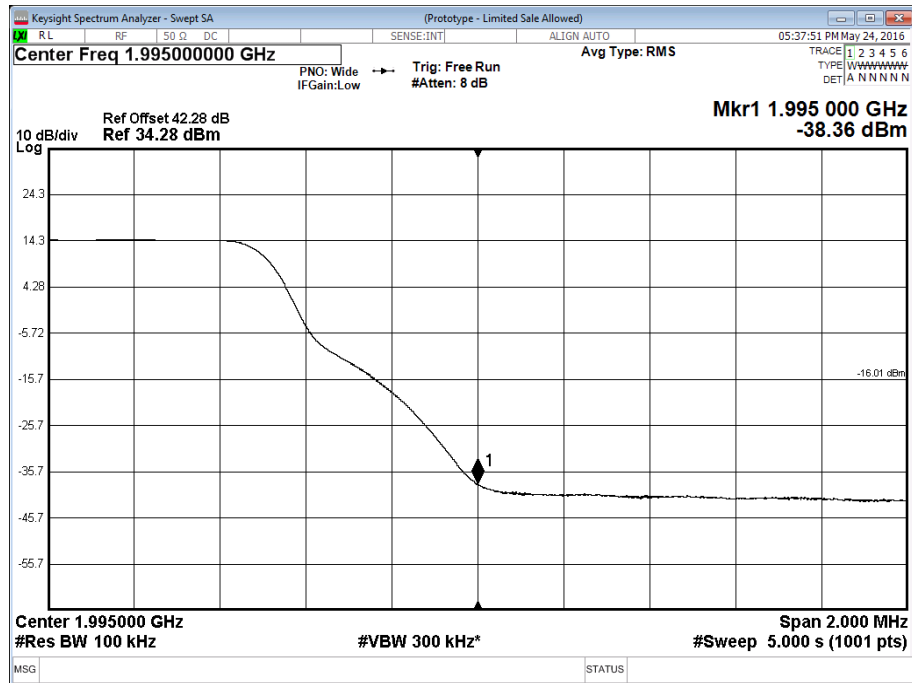
Channel Position T - Bandwidth 5.0 MHz - Antenna B



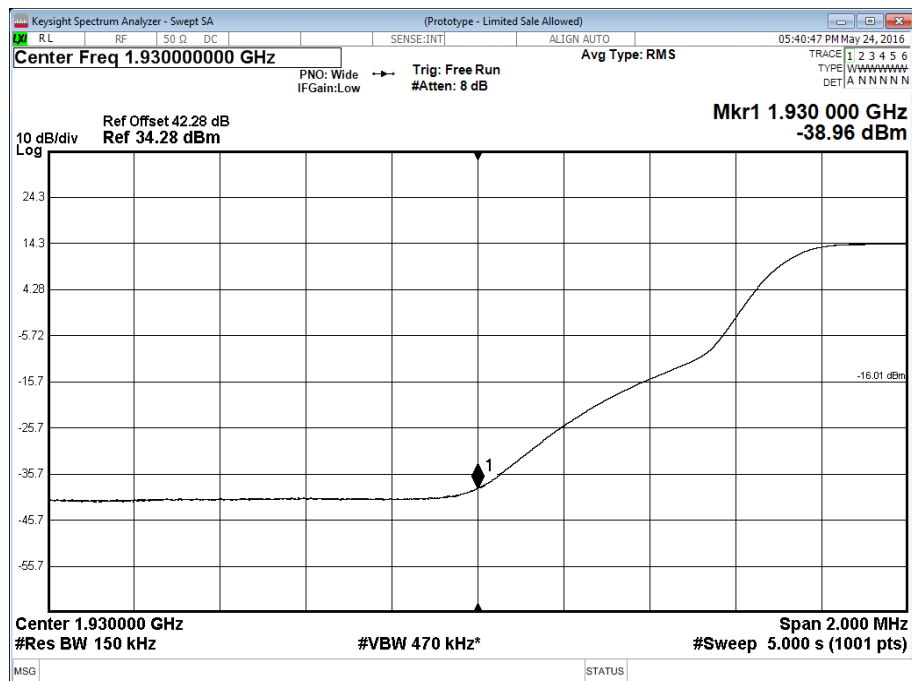
Channel Position B - Bandwidth 10.0 MHz - Antenna B



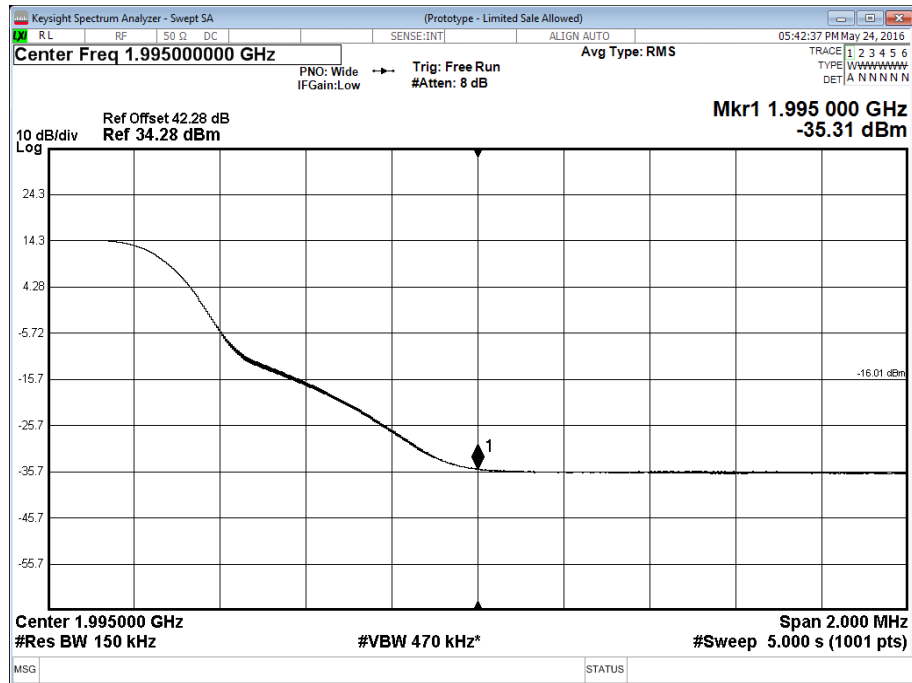
Channel Position T - Bandwidth 10.0 MHz - Antenna B



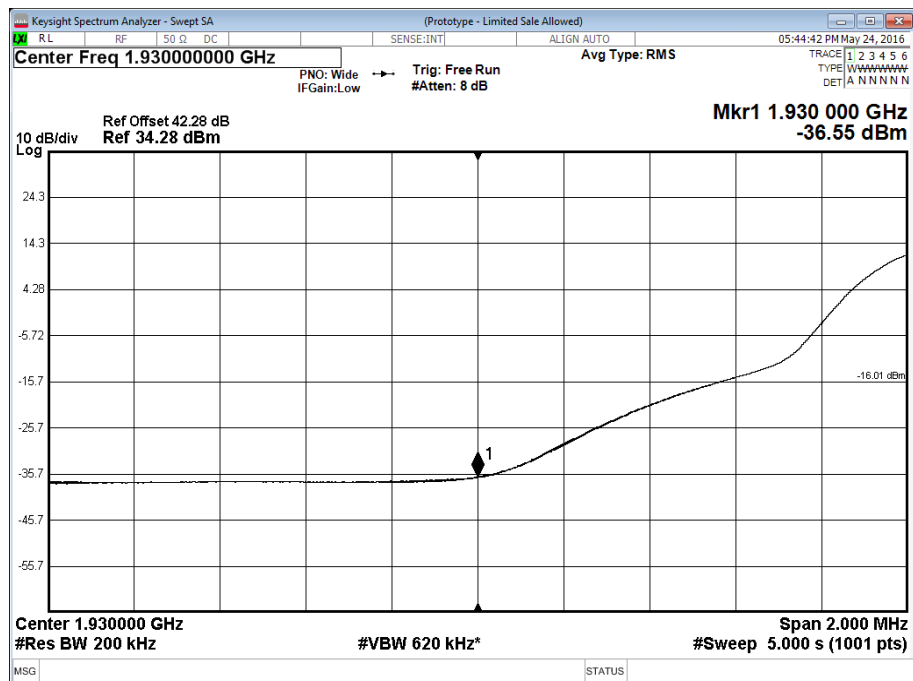
Channel Position B - Bandwidth 15.0 MHz - Antenna B



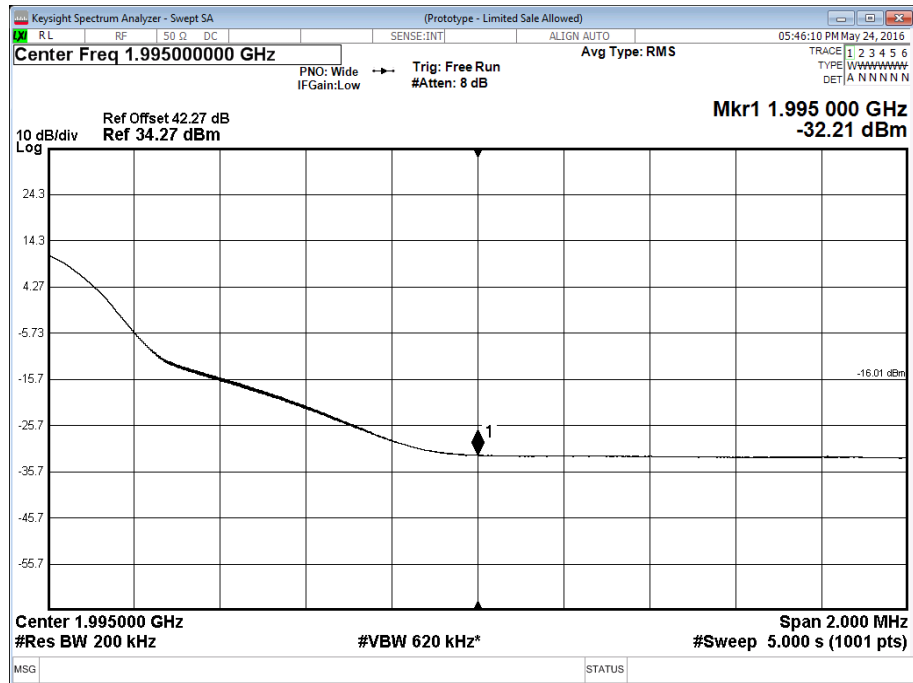
Channel Position T - Bandwidth 15.0 MHz - Antenna B



Channel Position B - Bandwidth 20.0 MHz - Antenna B



Channel Position T - Bandwidth 20.0 MHz - Antenna B



Configuration L

Maximum Output Power 37 dBm

Carrier Bandwidth	Modulation	Band Edge (MHz)
		Channel Position T
1.4 MHz	QPSK	1,989.3
3.0 MHz	QPSK	1,988.5
5.0 MHz	QPSK	1,987.5
10.0 MHz	QPSK	1,985.0
15.0 MHz	QPSK	1,982.5
20.0 MHz	QPSK	1,980.0