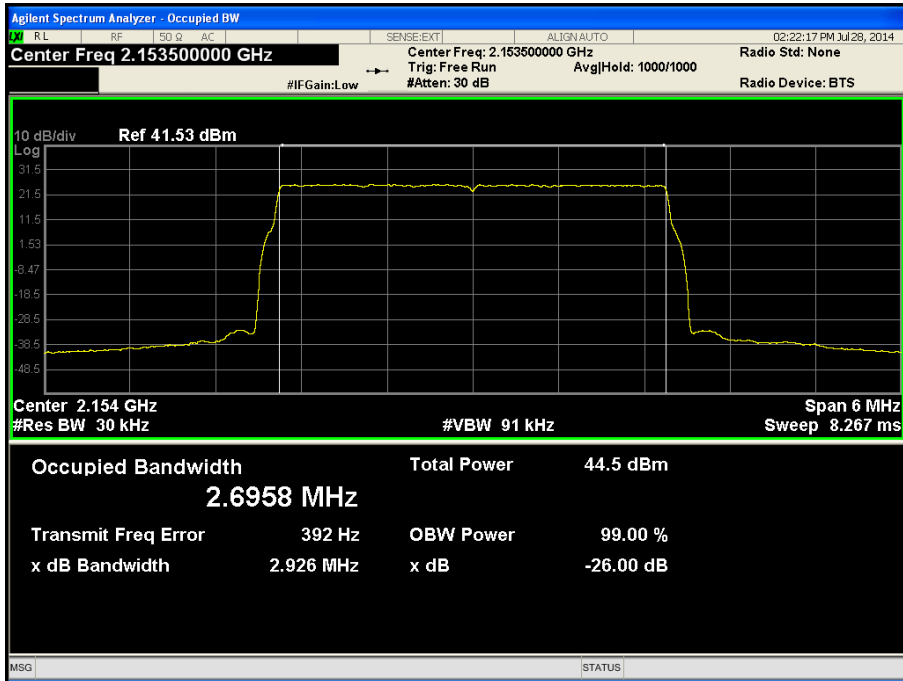
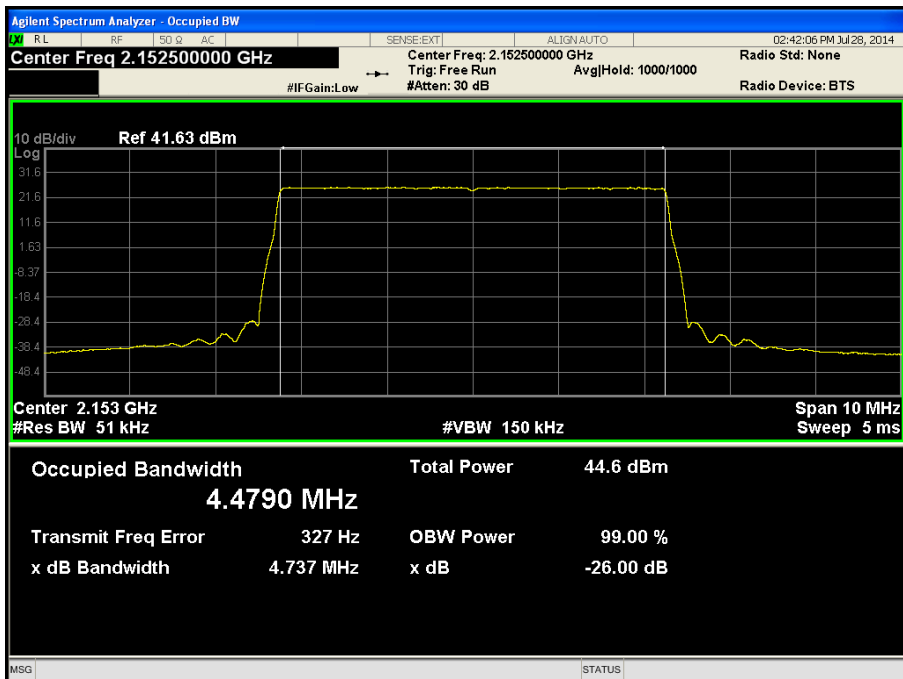


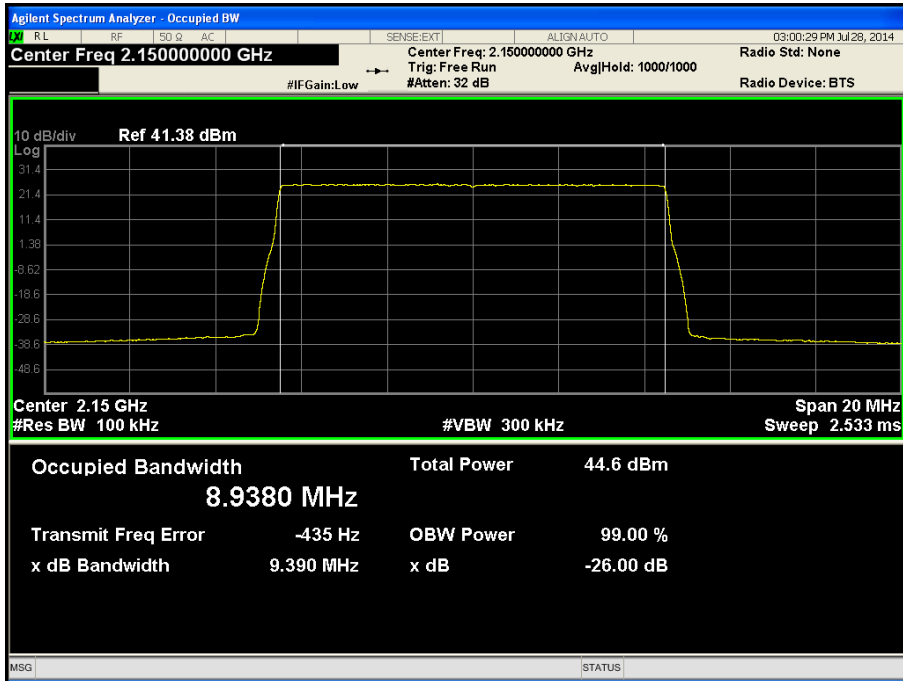
Channel Position T - Carrier Bandwidth 3.0 MHz – Antenna Port D



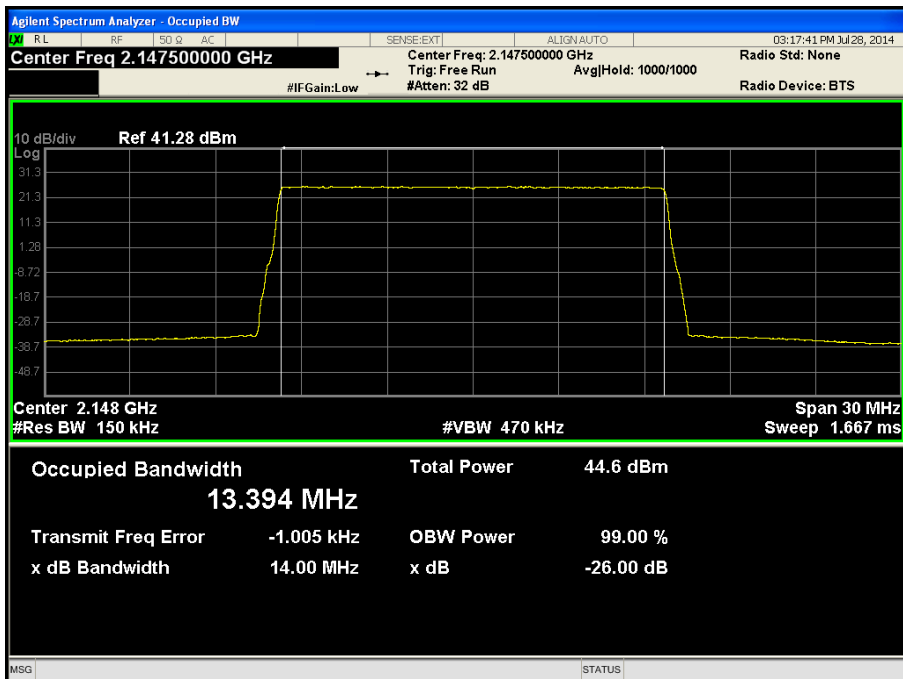
Channel Position T - Carrier Bandwidth 5.0 MHz – Antenna Port D



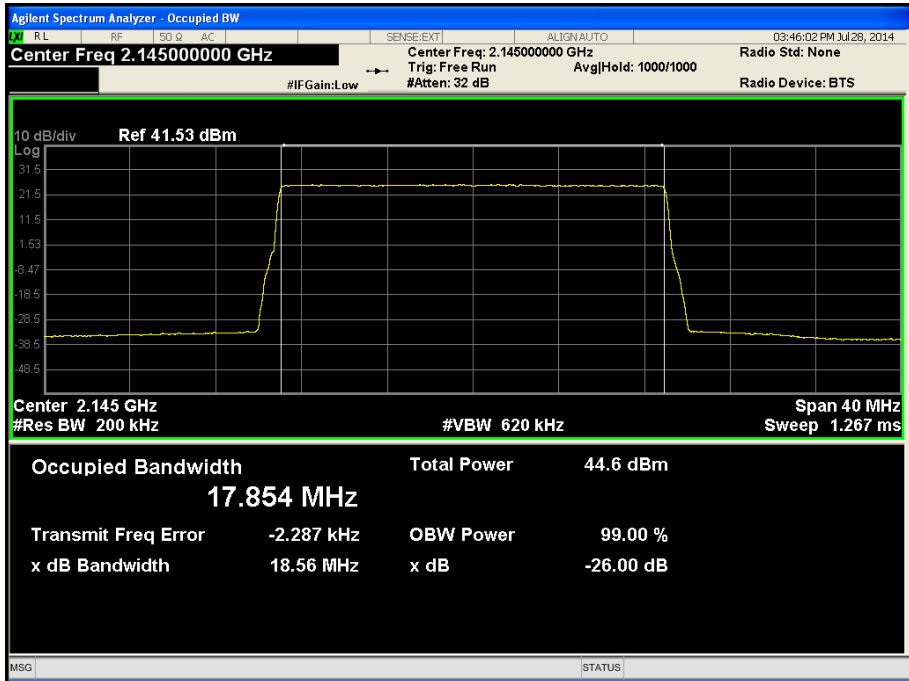
Channel Position T - Carrier Bandwidth 10.0 MHz – Antenna Port D



Channel Position T - Carrier Bandwidth 15.0 MHz – Antenna Port D



Channel Position T - Carrier Bandwidth 20.0 MHz – Antenna Port D



2.3 BAND EDGE

2.3.1 Specification Reference

FCC CFR 47 Part 2, Clause 2.1049
FCC CFR 47 Part 27, Clause 27.53(h)(1)
Industry Canada RSS-139, Clause 4.2 / 6.5 (i)

2.3.2 Date of Test and Modification State

25, 28 and 29 July 2014 - 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	21.3 - 21.8°C
Relative Humidity	52.5 - 60%

2.3.5 Test Method

The EUT was connected to a Spectrum Analyser via 30dB of attenuation. The path loss between the EUT and the Spectrum Analyser was measured using a Network Analyser. The measured path loss was entered as a Reference Level Offset in the Spectrum Analyser. The Spectrum Analyser RBW was adjusted to be at least 1% of the measured 26dB Bandwidth. Using an RMS detector, the frequency spectrum up to 1MHz away from the Band Edge was investigated. Where a margin of <10dB was not achieved using a RBW of at least >1% of the 26dB Bandwidth, the Band Power measurement function of the Spectrum Analyser was used. The Band Power span was configured to be at least 1% of the 26dB Bandwidth and was positioned in the 1MHz region which gave the worst case result. The display line was set to a worst case value of -19dBm.

In the case of Multi-Carrier measurements, an evaluation was carried out prior to testing to establish the configuration which gave the worst case result based on number of carriers and carrier bandwidth.

The results are shown in the plots below.

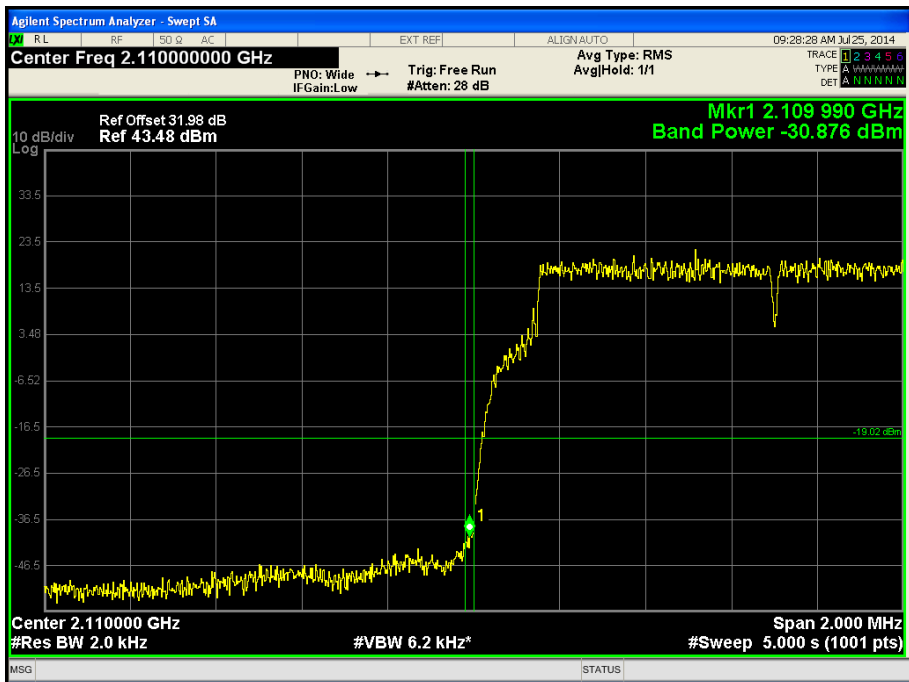
2.3.6 Test Results

Configuration LTE (See Table 2 for carrier frequency)

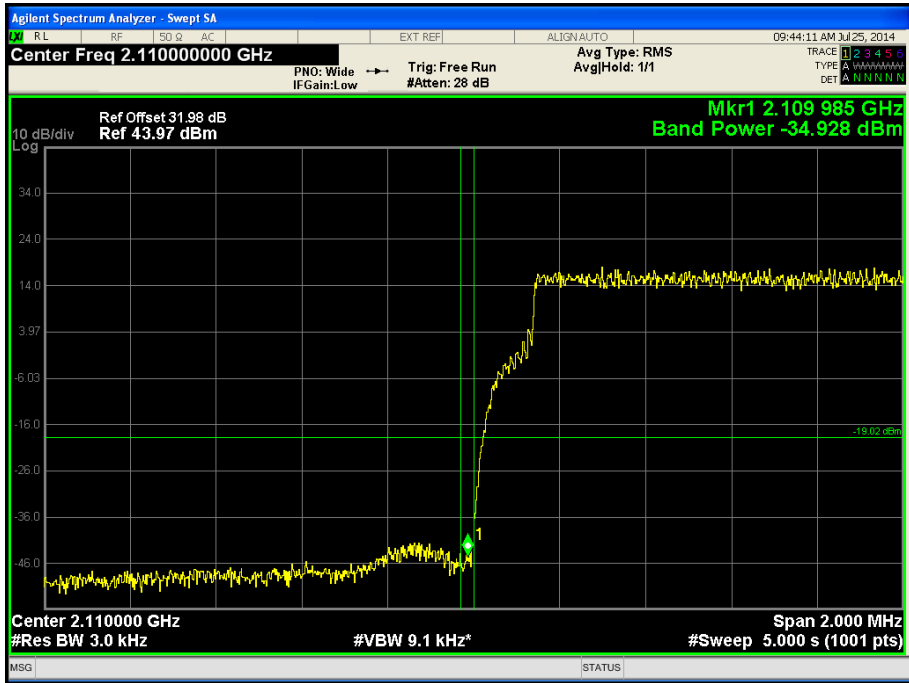
Maximum Output Power 44.77 dBm per carrier, Test Model 1.1 - Antenna Port A

Carrier Bandwidth	Band Edge (MHz)	
	Channel Position B	Channel Position T
1.4 MHz	2110.70	2154.30
3.0 MHz	2111.50	2153.50
5.0 MHz	2112.50	2152.50
10.0 MHz	2115.00	2150.00
15.0 MHz	2117.50	2147.50
20.0 MHz	2120.00	2145.00

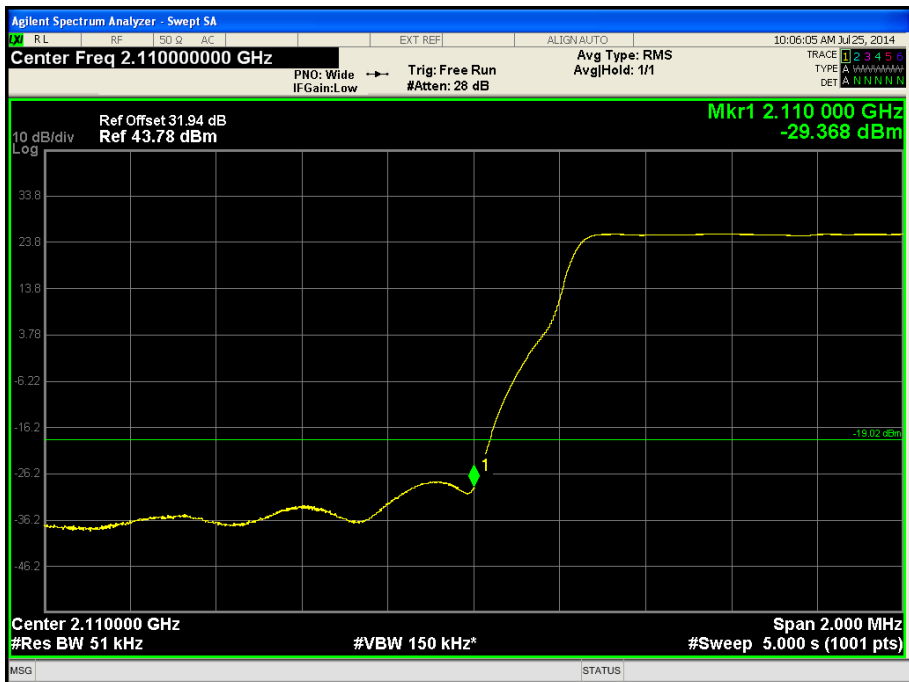
Channel Position B – Carrier Bandwidth 1.4 MHz – Antenna Port A



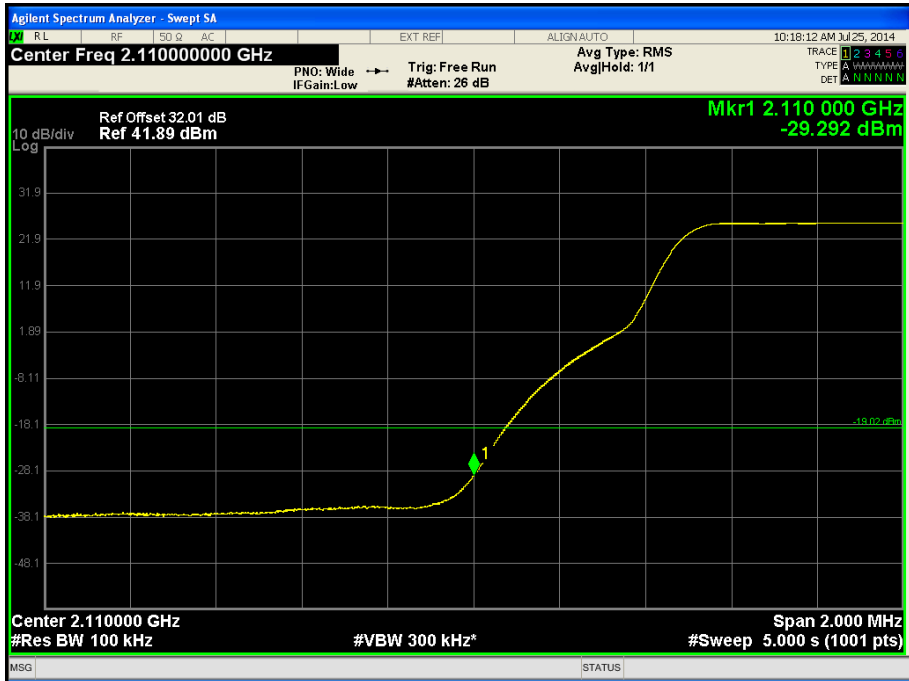
Channel Position B - Carrier Bandwidth 3.0 MHz – Antenna Port A



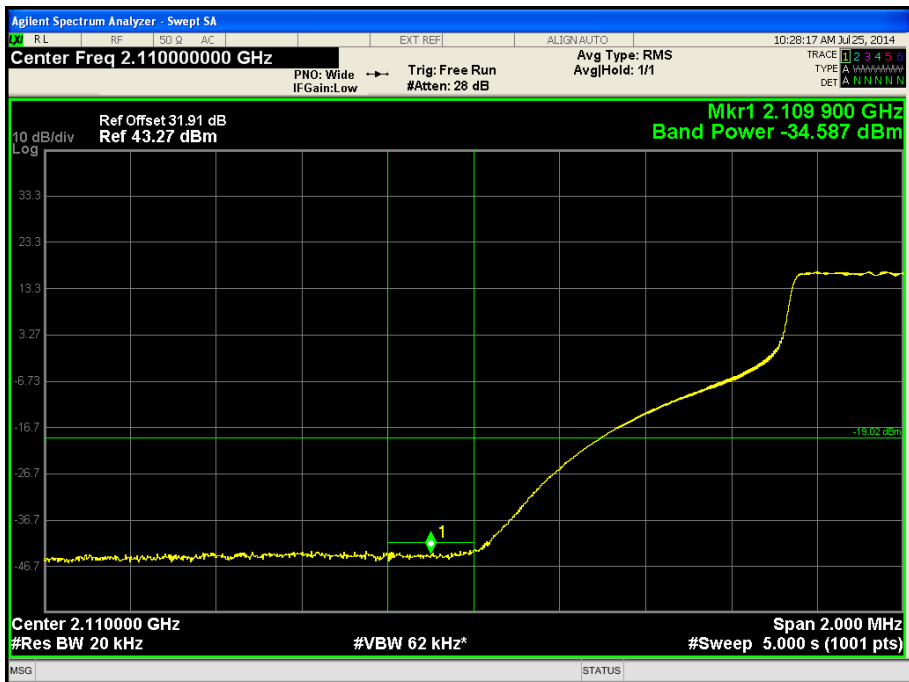
Channel Position B - Carrier Bandwidth 5.0 MHz – Antenna Port A



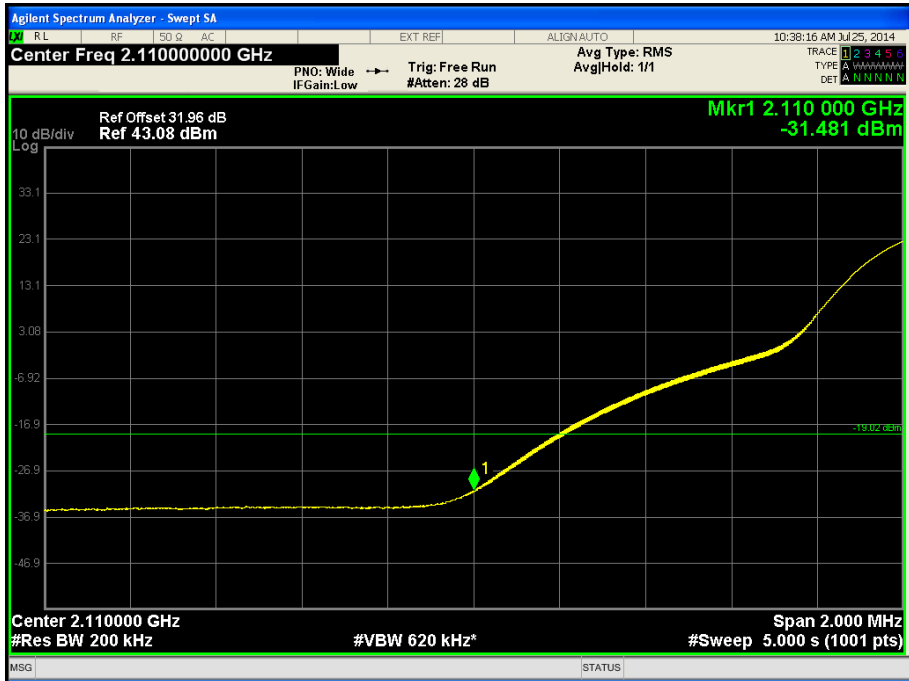
Channel Position B - Carrier Bandwidth 10.0 MHz – Antenna Port A



Channel Position B - Carrier Bandwidth 15.0 MHz – Antenna Port A



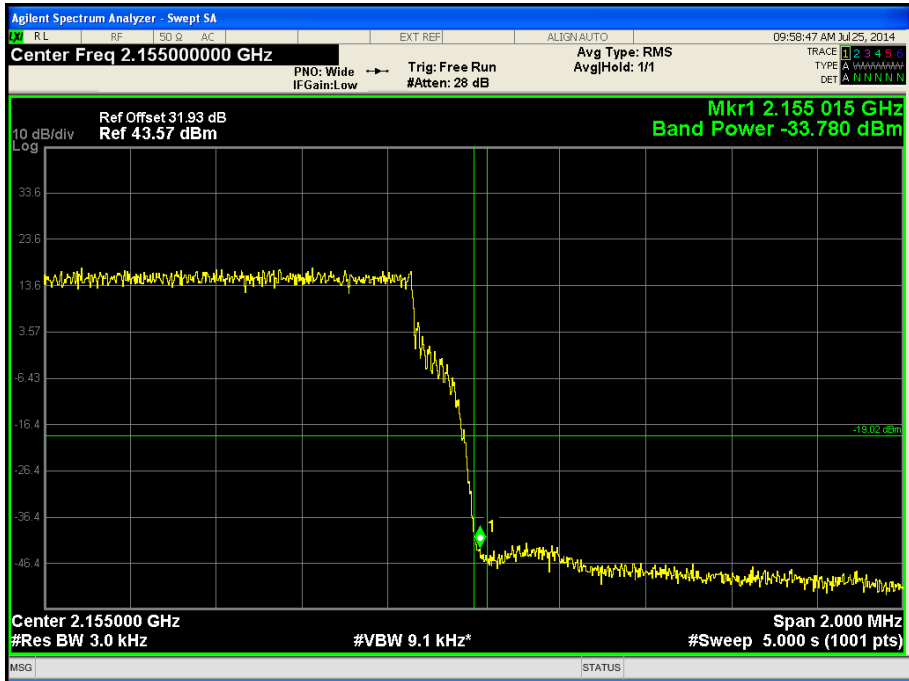
Channel Position B - Carrier Bandwidth 20.0 MHz – Antenna Port A



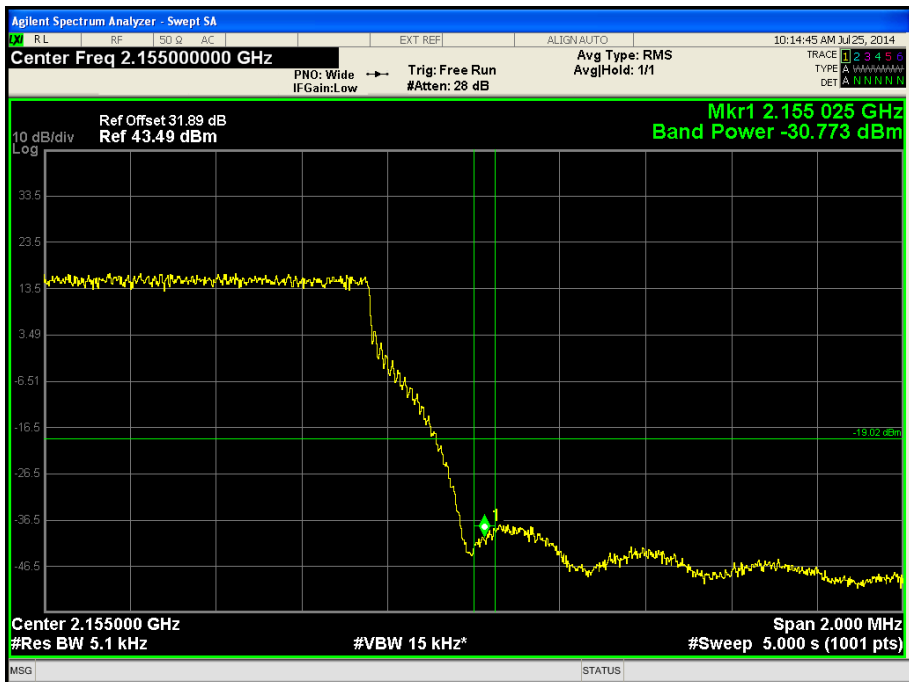
Channel Position T - Carrier Bandwidth 1.4 MHz – Antenna Port A



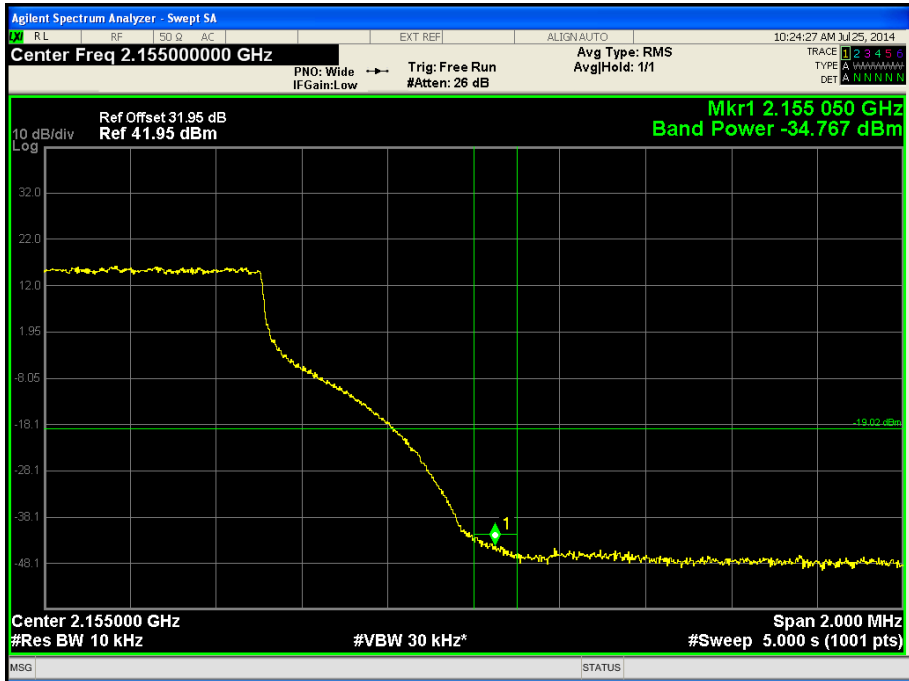
Channel Position T - Carrier Bandwidth 3.0 MHz – Antenna Port A



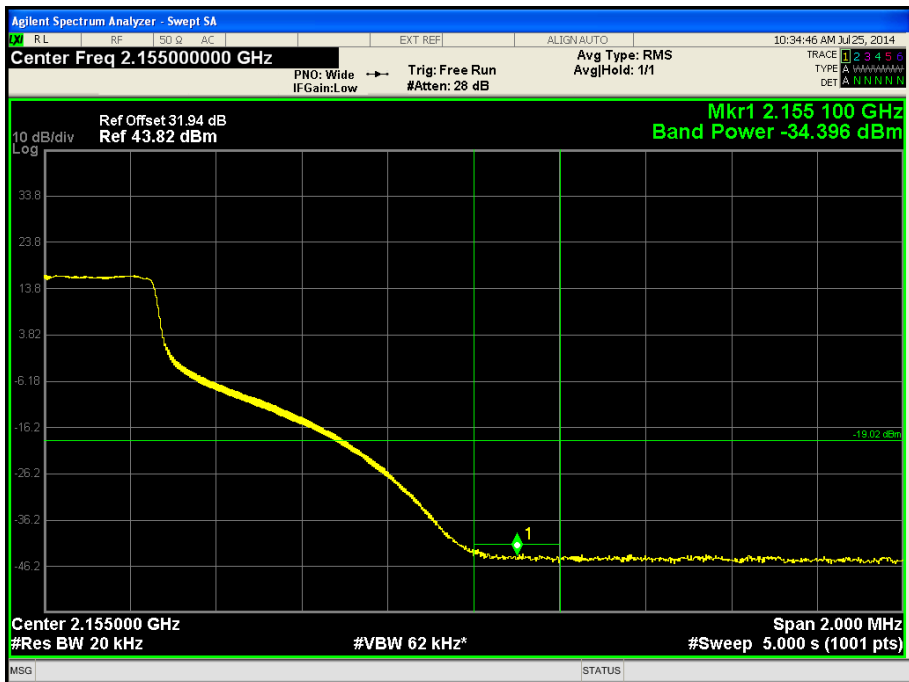
Channel Position T - Carrier Bandwidth 5.0 MHz – Antenna Port A



Channel Position T - Carrier Bandwidth 10.0 MHz – Antenna Port A



Channel Position T - Carrier Bandwidth 15.0 MHz – Antenna Port A



Channel Position T - Carrier Bandwidth 20.0 MHz – Antenna Port A

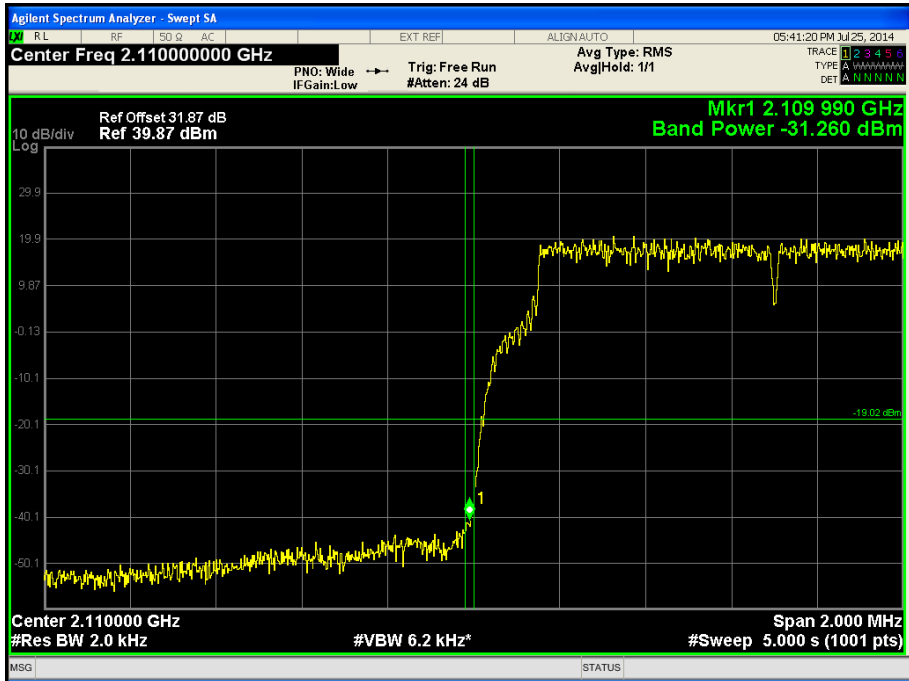


Configuration LTE (See Table 2 for carrier frequency)

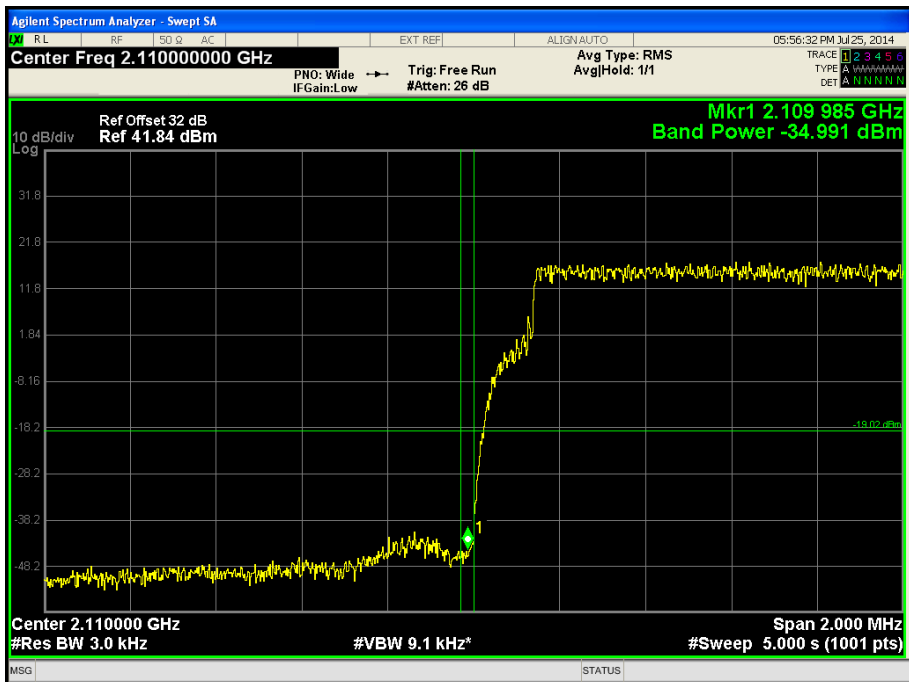
Maximum Output Power 44.77 dBm per carrier, Test Model 1.1 - Antenna Port B

Carrier Bandwidth	Band Edge (MHz)	
	Channel Position B	Channel Position T
1.4 MHz	2110.70	2154.30
3.0 MHz	2111.50	2153.50
5.0 MHz	2112.50	2152.50
10.0 MHz	2115.00	2150.00
15.0 MHz	2117.50	2147.50
20.0 MHz	2120.00	2145.00

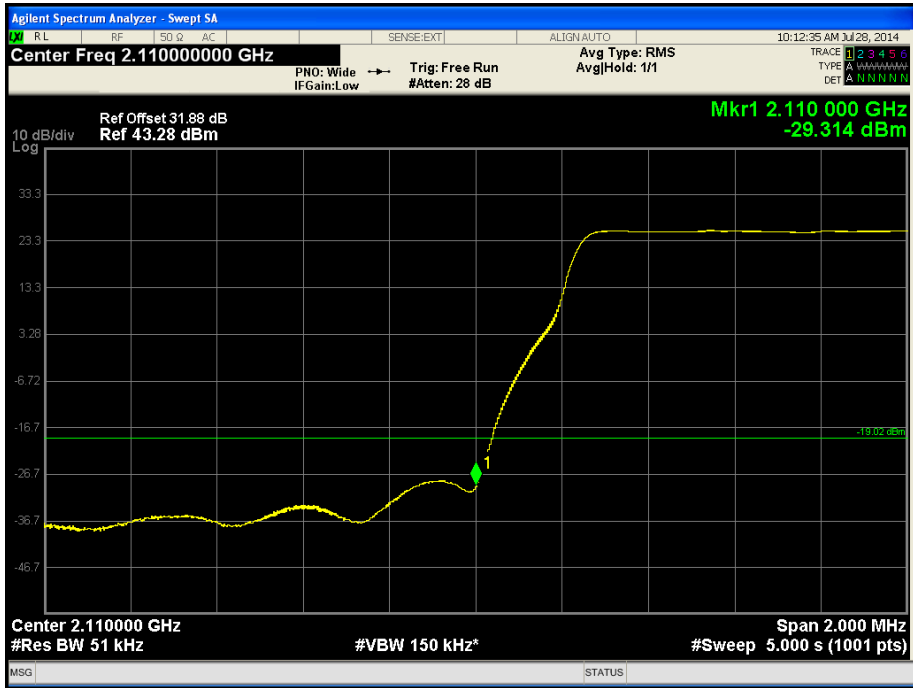
Channel Position B - Carrier Bandwidth 1.4 MHz – Antenna Port B



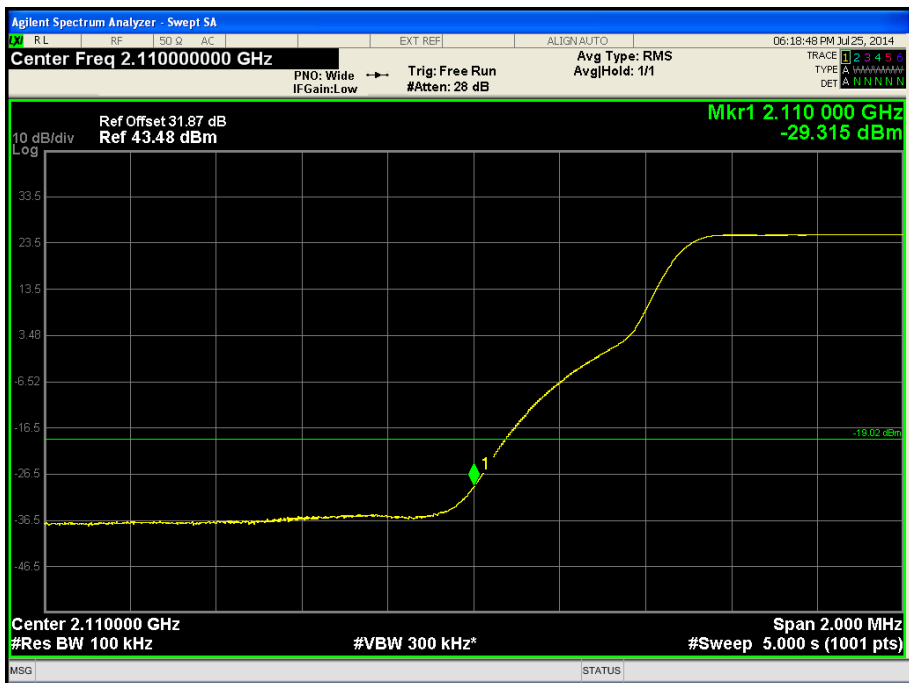
Channel Position B - Carrier Bandwidth 3.0 MHz – Antenna Port B



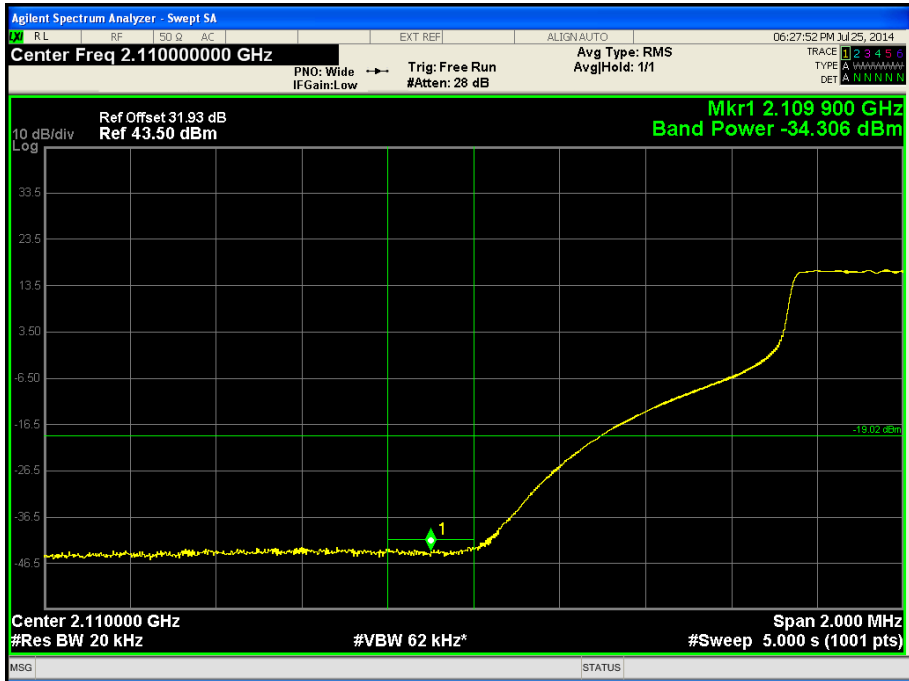
Channel Position B - Carrier Bandwidth 5.0 MHz – Antenna Port B



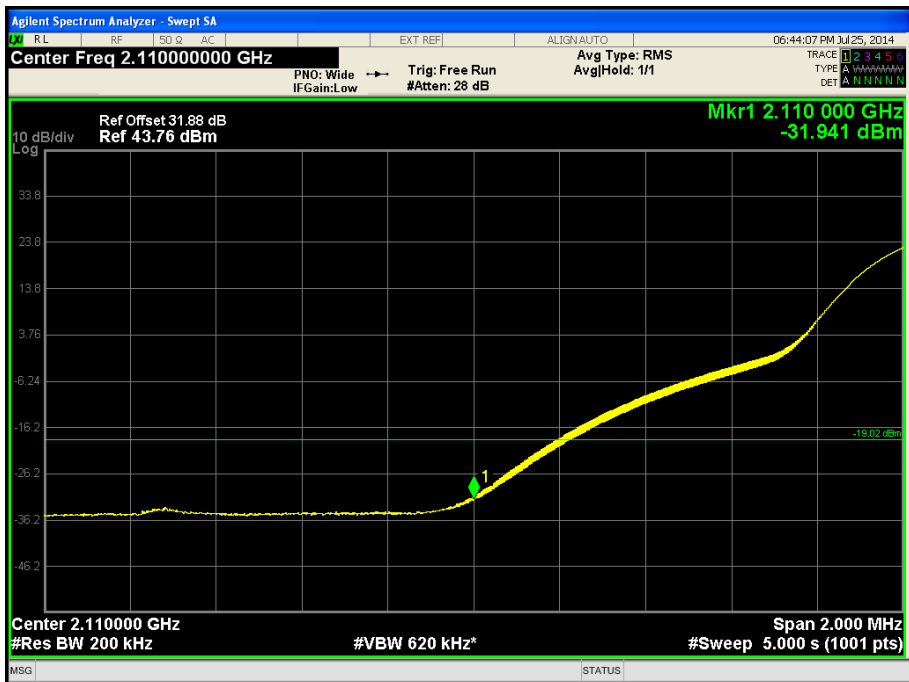
Channel Position B - Carrier Bandwidth 10.0 MHz – Antenna Port B



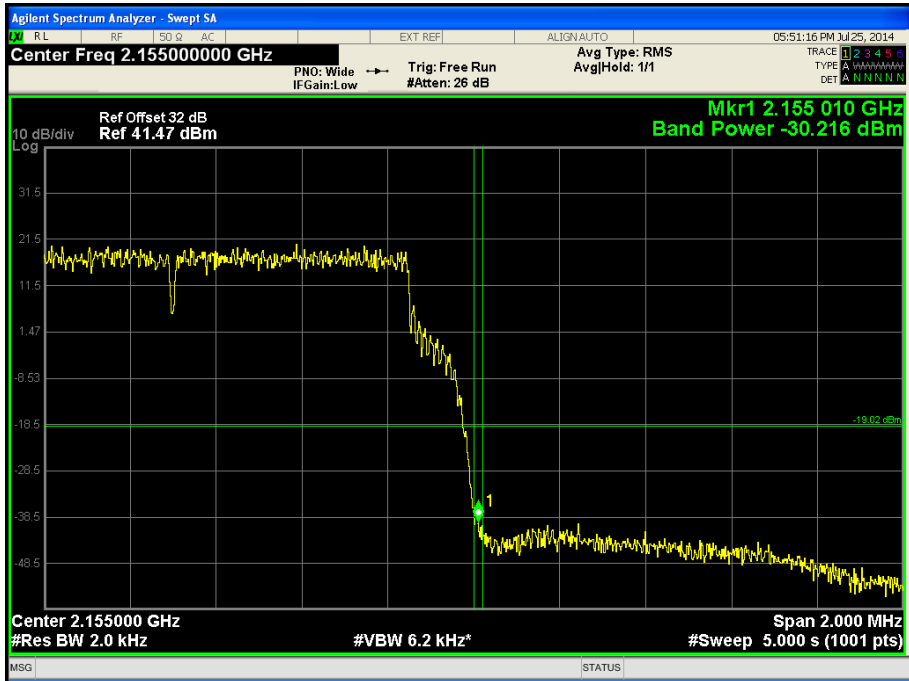
Channel Position B - Carrier Bandwidth 15.0 MHz – Antenna Port B



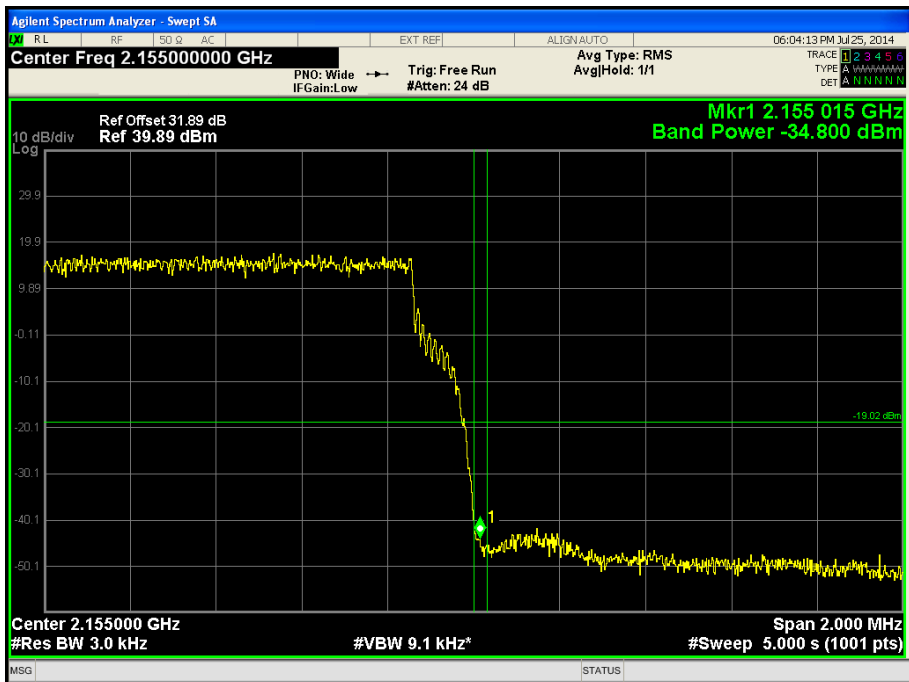
Channel Position B - Carrier Bandwidth 20.0 MHz – Antenna Port B



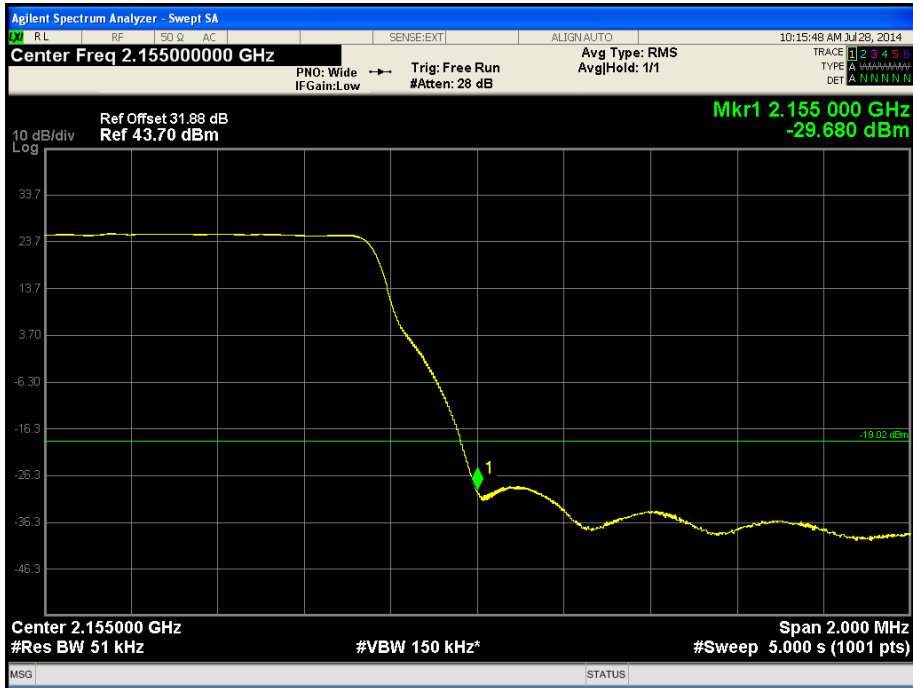
Channel Position T - Carrier Bandwidth 1.4 MHz – Antenna Port B



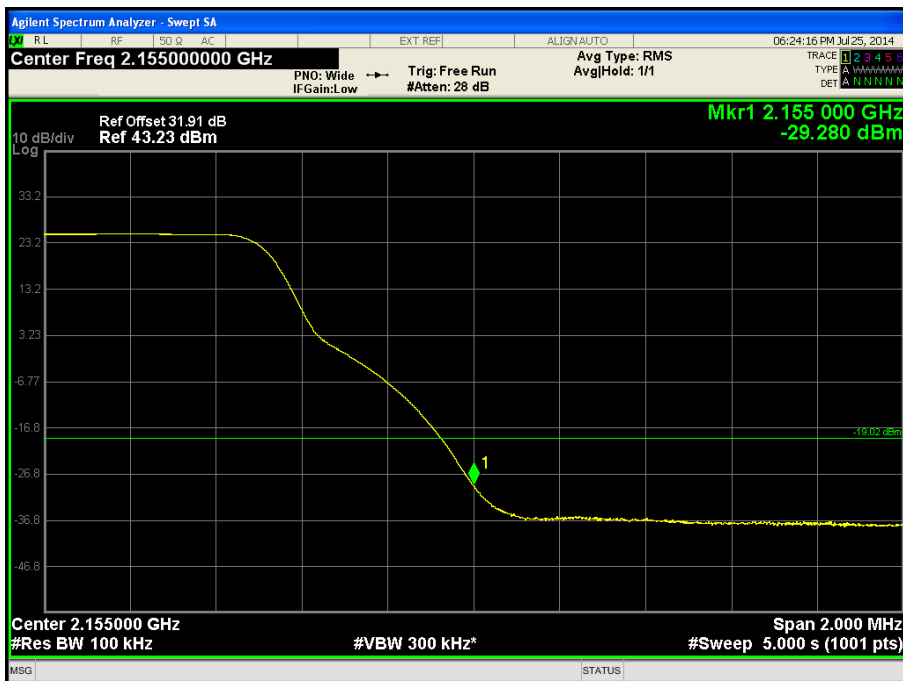
Channel Position T - Carrier Bandwidth 3.0 MHz – Antenna Port B



Channel Position T - Carrier Bandwidth 5.0 MHz – Antenna Port B



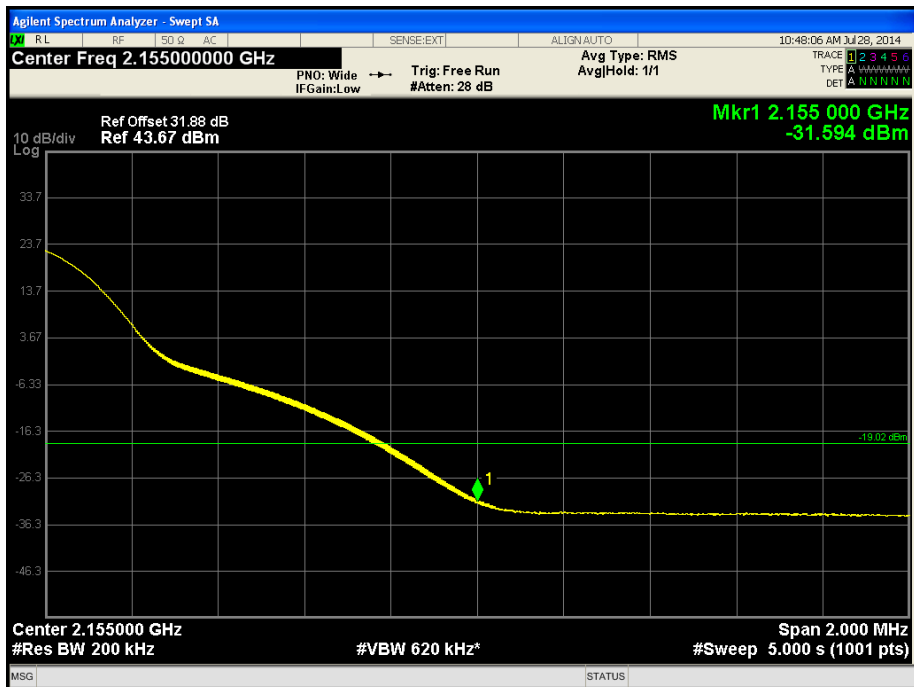
Channel Position T - Carrier Bandwidth 10.0 MHz – Antenna Port B



Channel Position T - Carrier Bandwidth 15.0 MHz – Antenna Port B



Channel Position T - Carrier Bandwidth 20.0 MHz – Antenna Port B

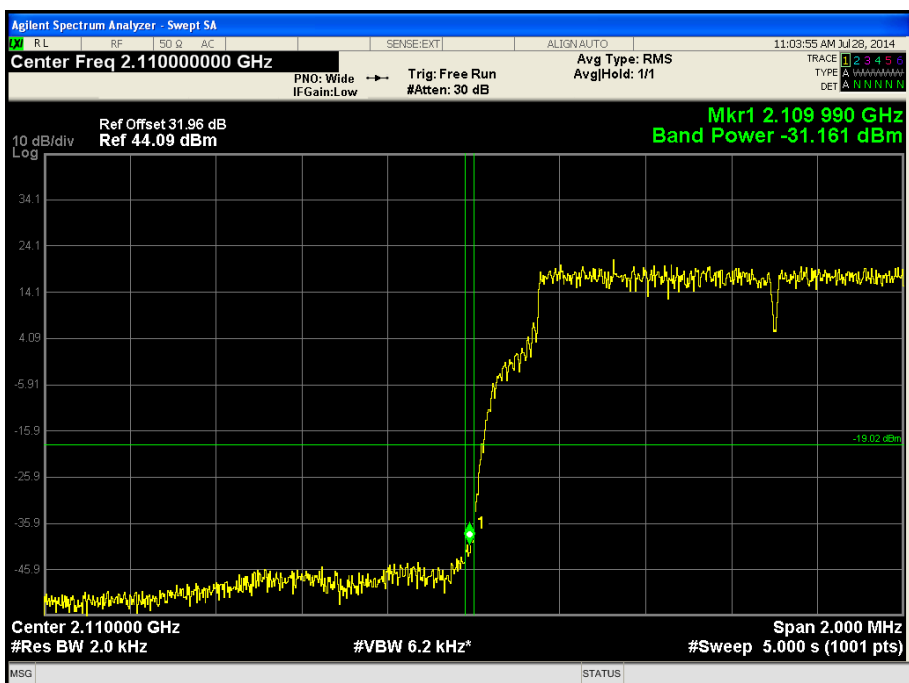


Configuration LTE (See Table 2 for carrier frequency)

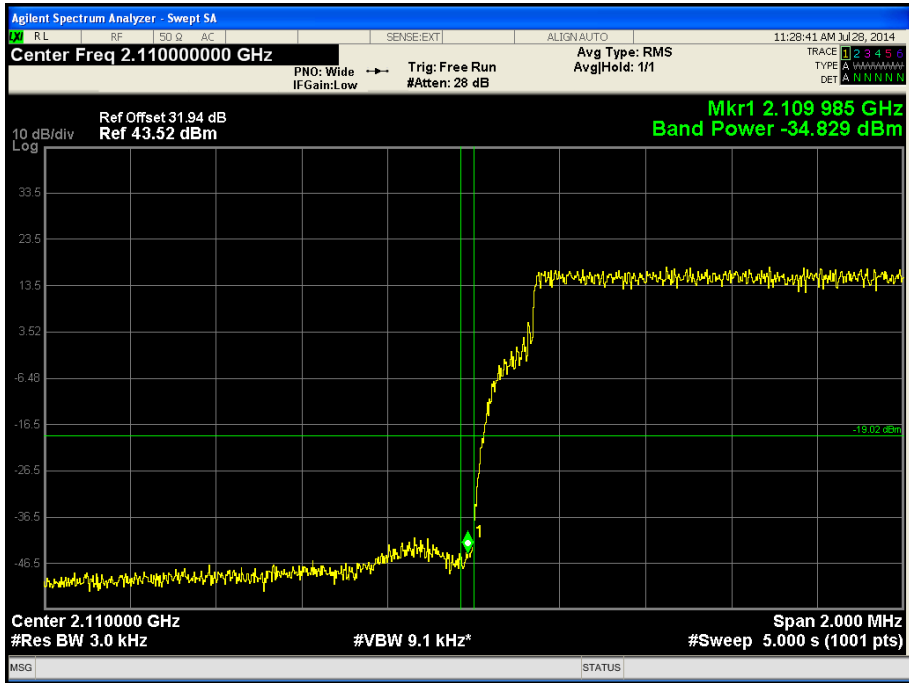
Maximum Output Power 44.77 dBm per carrier, Test Model 1.1 - Antenna Port C

Carrier Bandwidth	Band Edge (MHz)	
	Channel Position B	Channel Position T
1.4 MHz	2110.70	2154.30
3.0 MHz	2111.50	2153.50
5.0 MHz	2112.50	2152.50
10.0 MHz	2115.00	2150.00
15.0 MHz	2117.50	2147.50
20.0 MHz	2120.00	2145.00

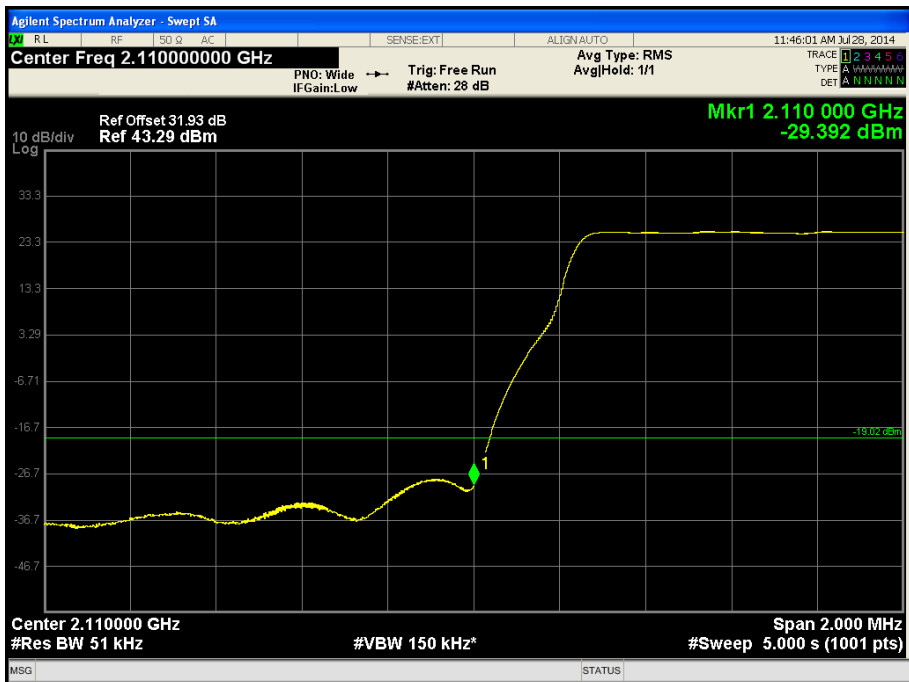
Channel Position B - Carrier Bandwidth 1.4 MHz – Antenna Port C



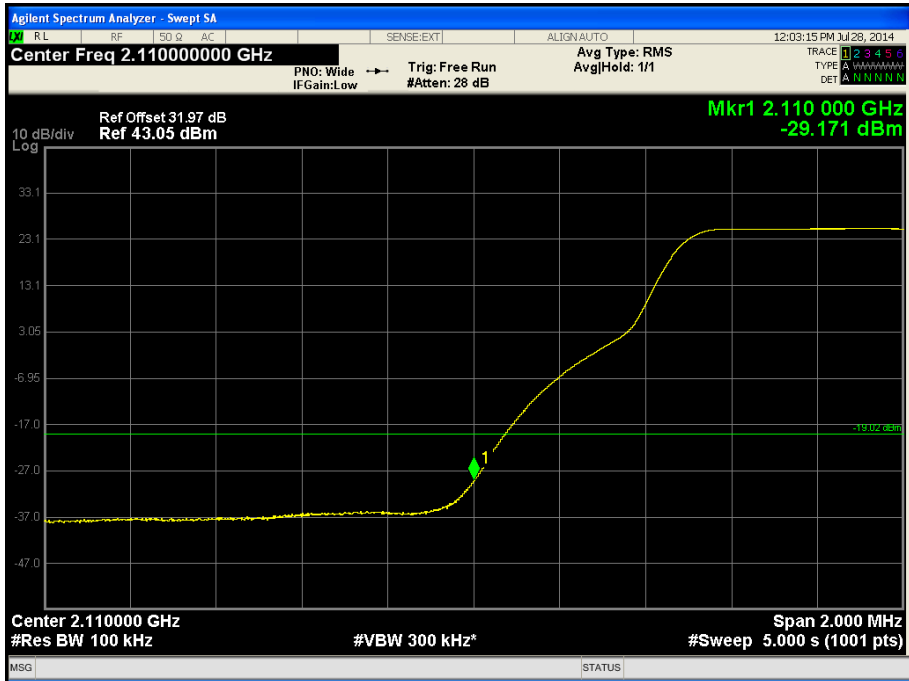
Channel Position B - Carrier Bandwidth 3.0 MHz – Antenna Port C



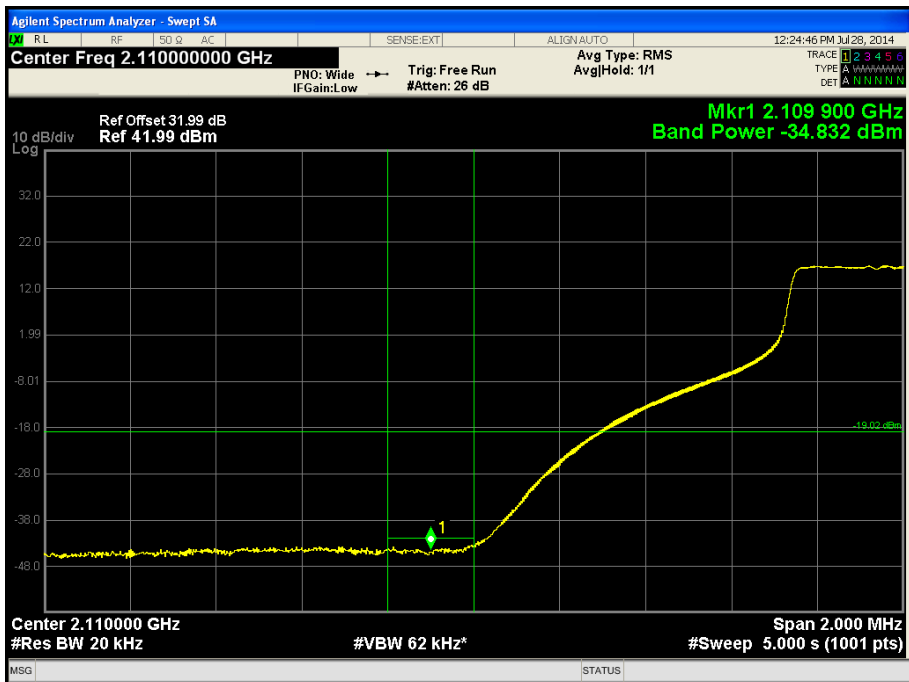
Channel Position B - Carrier Bandwidth 5.0 MHz – Antenna Port C



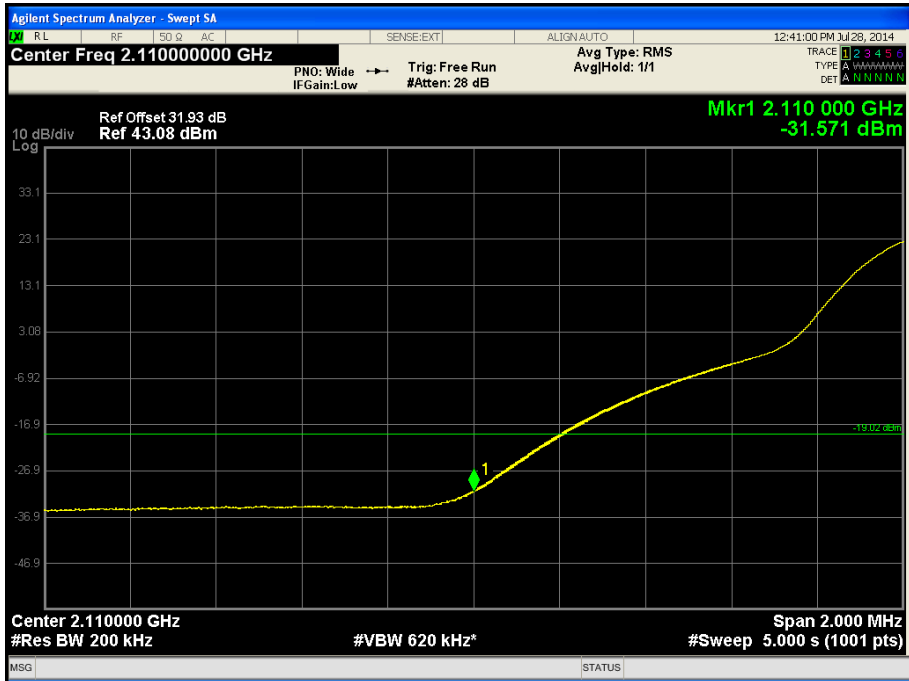
Channel Position B - Carrier Bandwidth 10.0 MHz – Antenna Port C



Channel Position B - Carrier Bandwidth 15.0 MHz – Antenna Port C



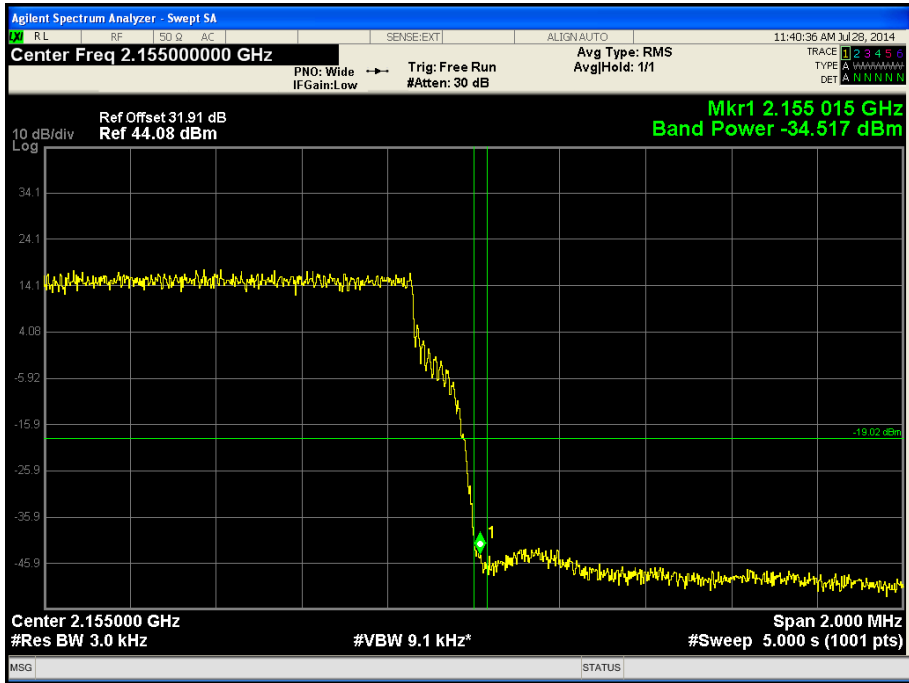
Channel Position B - Carrier Bandwidth 20.0 MHz – Antenna Port C



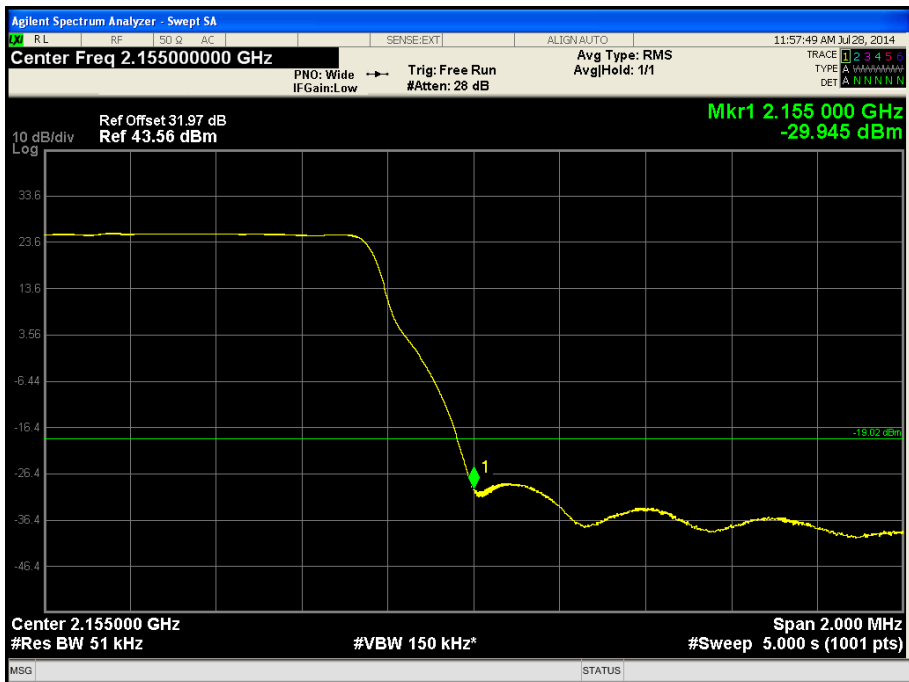
Channel Position T - Carrier Bandwidth 1.4 MHz – Antenna Port C



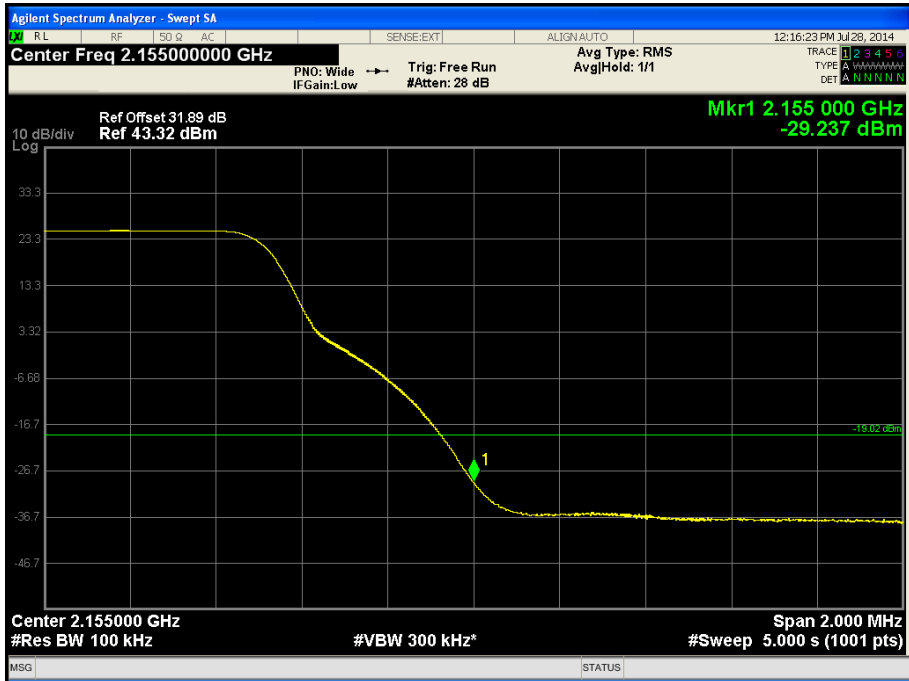
Channel Position T - Carrier Bandwidth 3.0 MHz – Antenna Port C



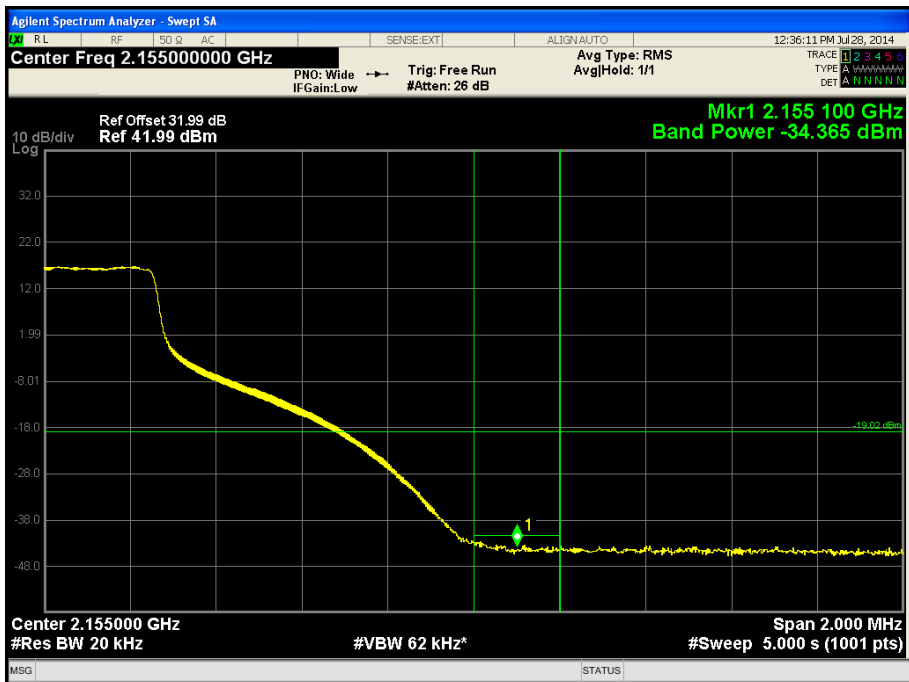
Channel Position T - Carrier Bandwidth 5.0 MHz – Antenna Port C



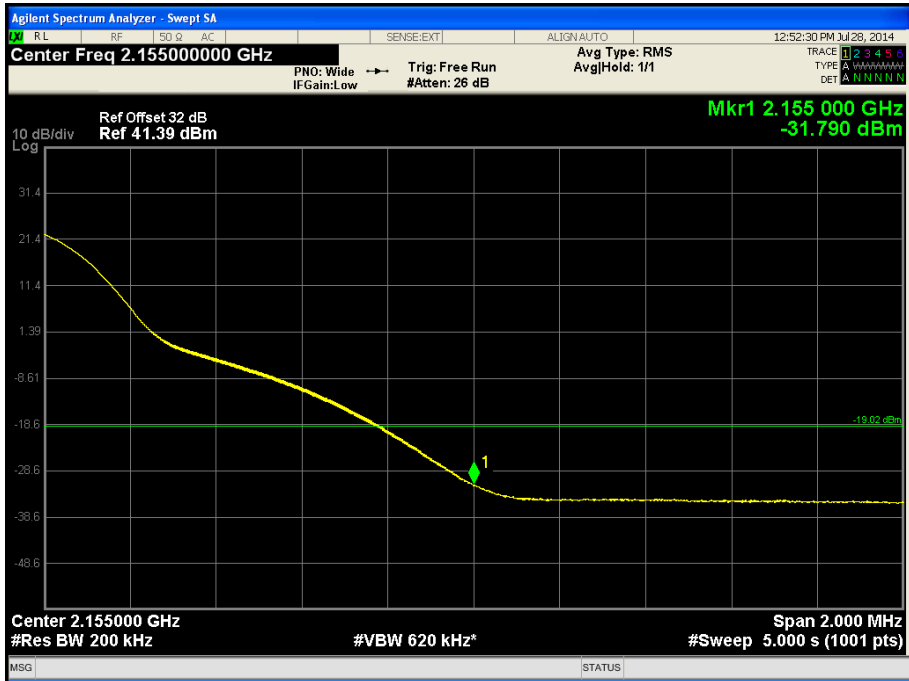
Channel Position T - Carrier Bandwidth 10.0 MHz – Antenna Port C



Channel Position T - Carrier Bandwidth 15.0 MHz – Antenna Port C



Channel Position T - Carrier Bandwidth 20.0 MHz – Antenna Port C

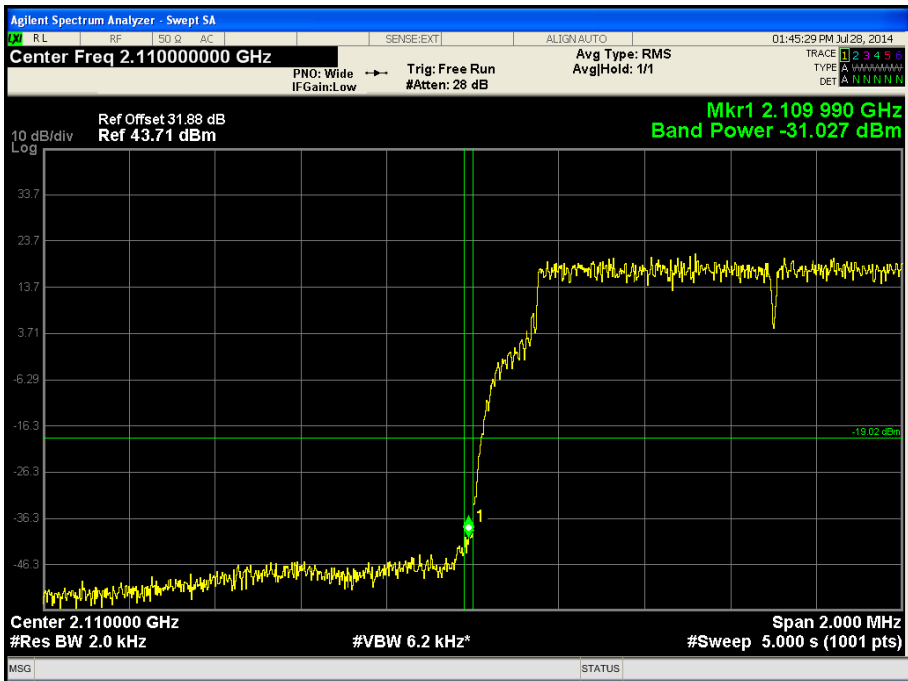


Configuration LTE (See Table 2 for carrier frequency)

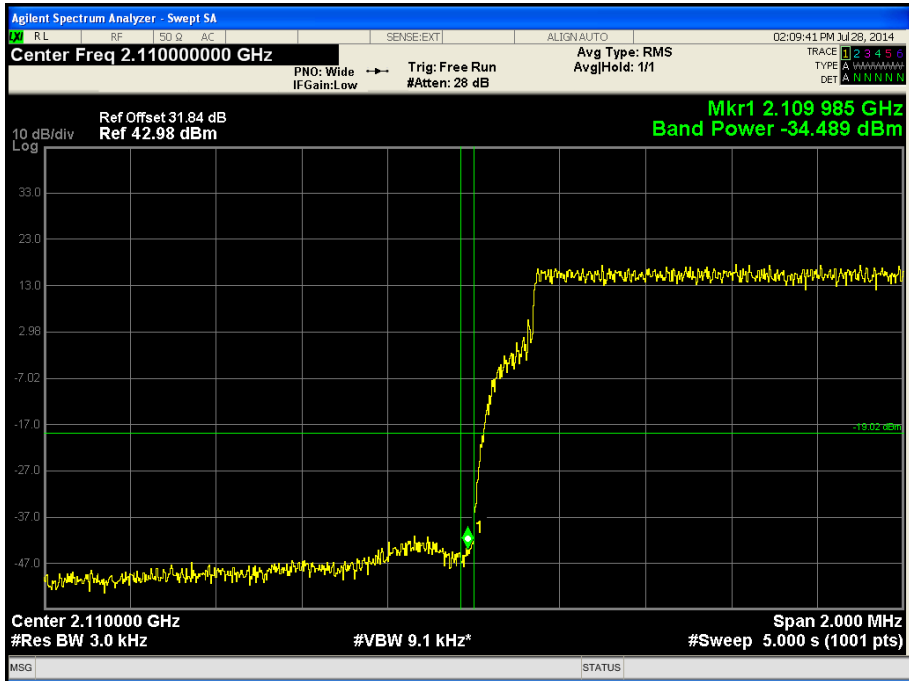
Maximum Output Power 44.77 dBm per carrier, Test Model 1.1 - Antenna Port D

Carrier Bandwidth	Band Edge (MHz)	
	Channel Position B	Channel Position T
1.4 MHz	2110.70	2154.30
3.0 MHz	2111.50	2153.50
5.0 MHz	2112.50	2152.50
10.0 MHz	2115.00	2150.00
15.0 MHz	2117.50	2147.50
20.0 MHz	2120.00	2145.00

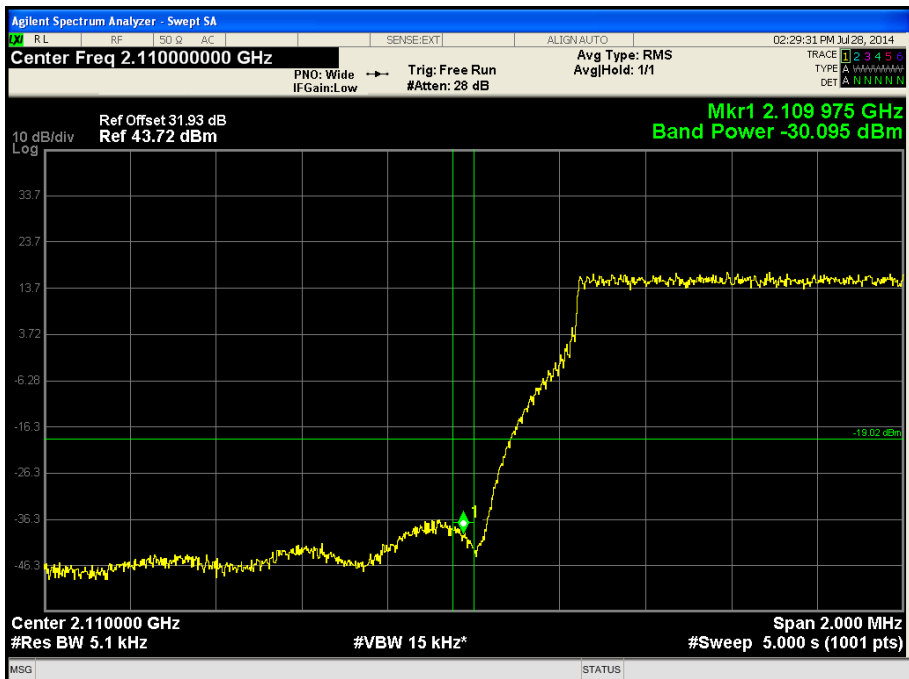
Channel Position B - Carrier Bandwidth 1.4 MHz – Antenna Port D



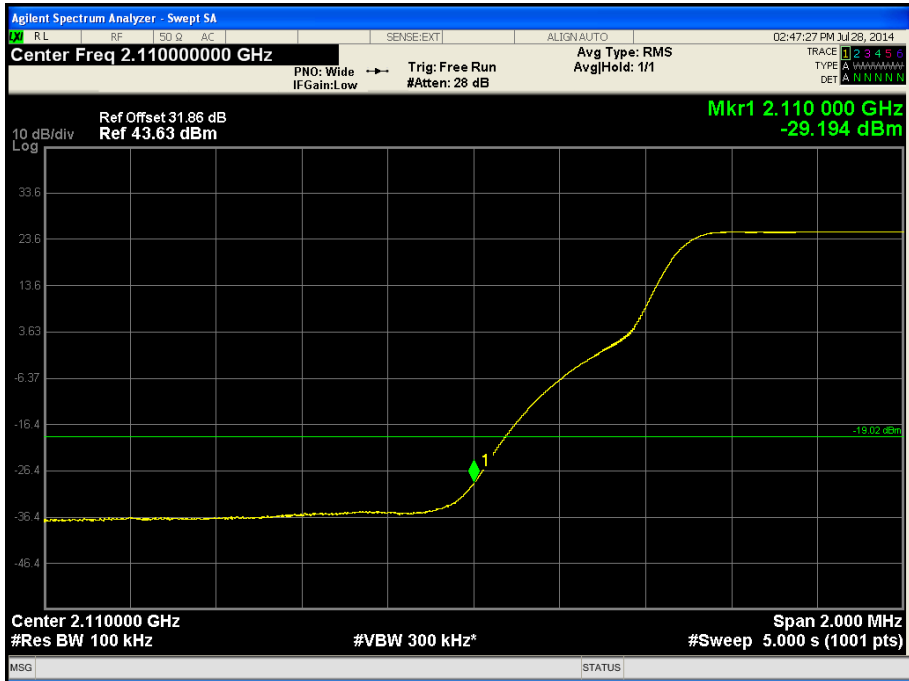
Channel Position B - Carrier Bandwidth 3.0 MHz – Antenna Port D



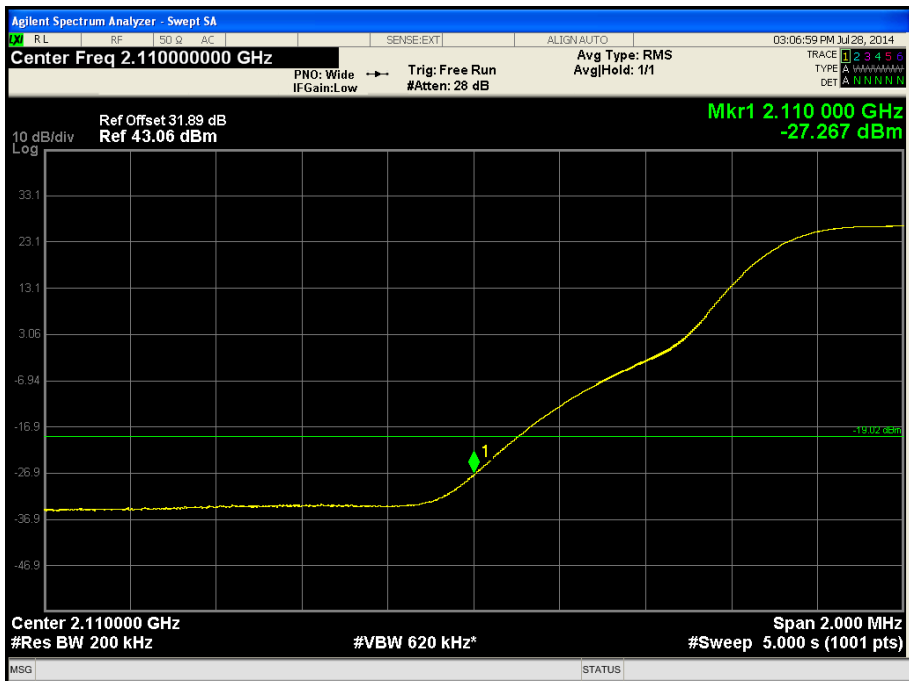
Channel Position B - Carrier Bandwidth 5.0 MHz – Antenna Port D



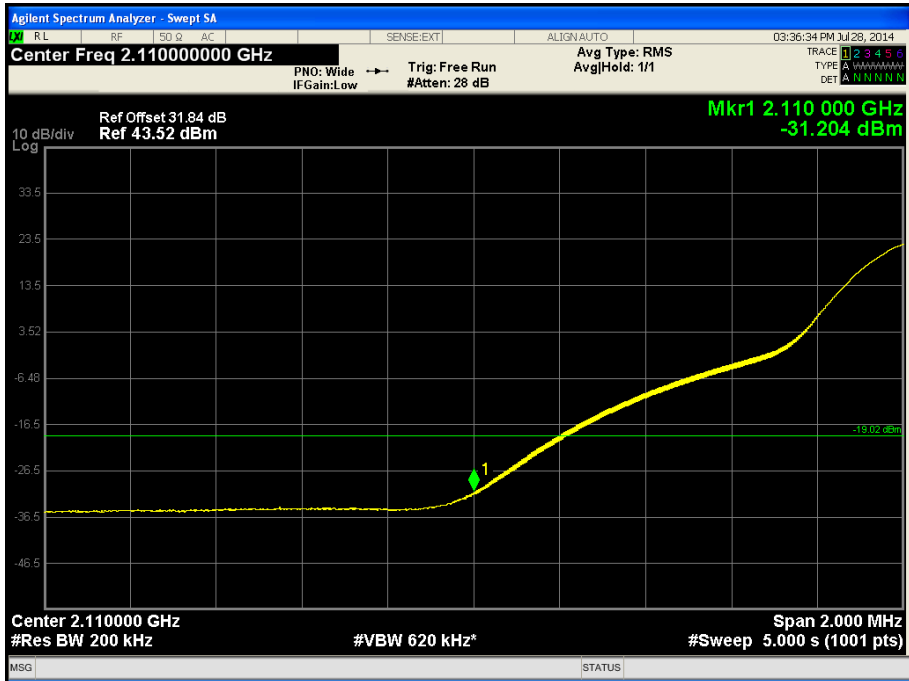
Channel Position B - Carrier Bandwidth 10.0 MHz – Antenna Port D



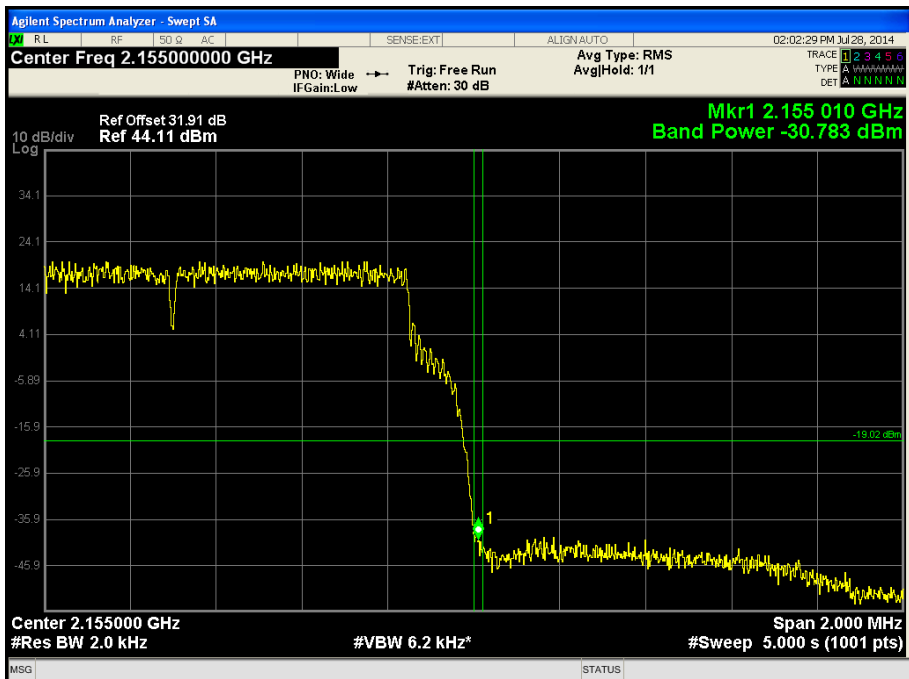
Channel Position B - Carrier Bandwidth 15.0 MHz – Antenna Port D



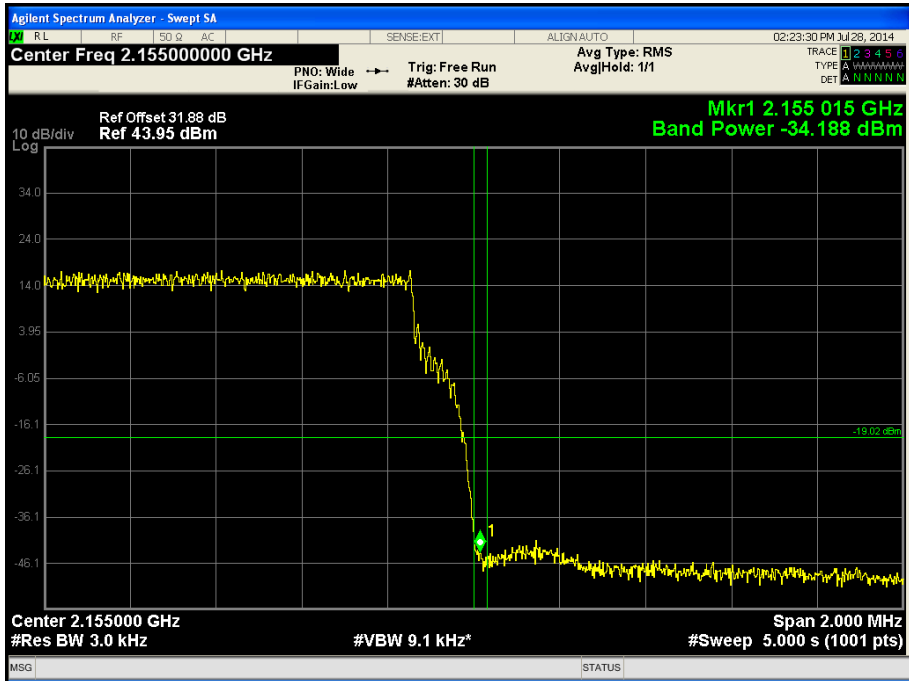
Channel Position B - Carrier Bandwidth 20.0 MHz – Antenna Port D



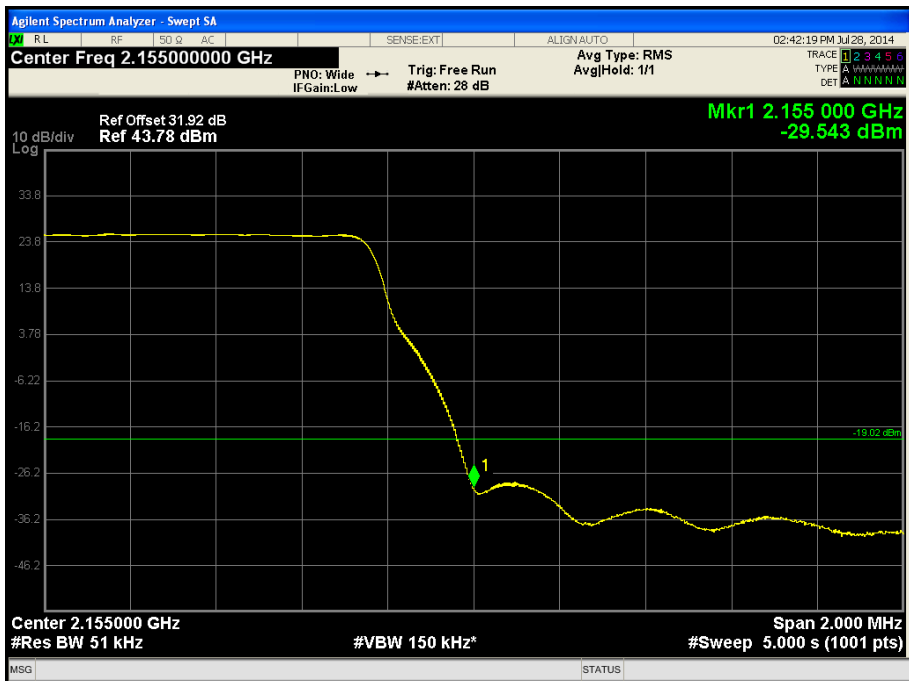
Channel Position T - Carrier Bandwidth 1.4 MHz – Antenna Port D



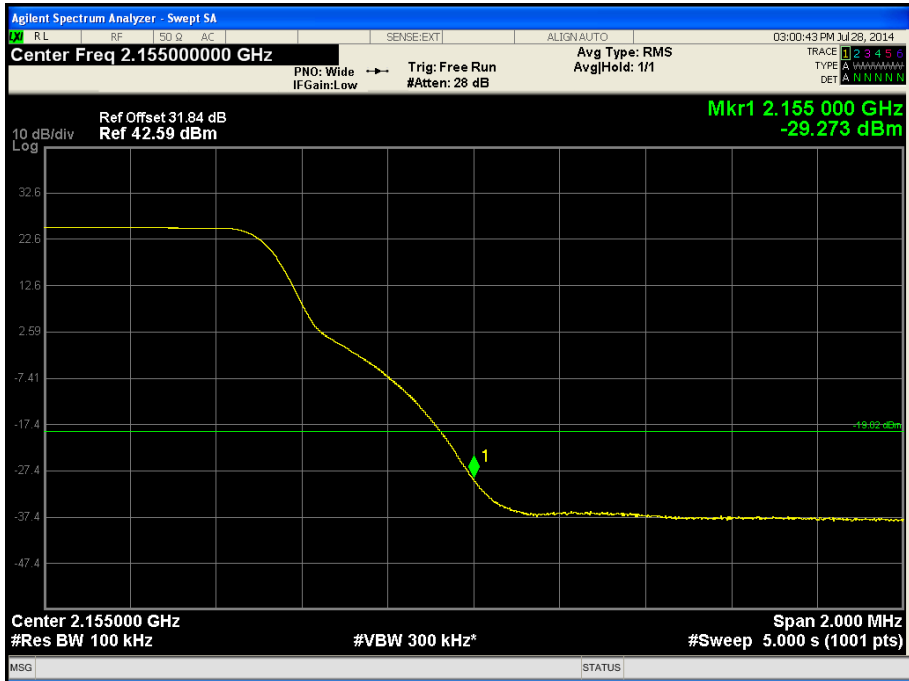
Channel Position T - Carrier Bandwidth 3.0 MHz – Antenna Port D



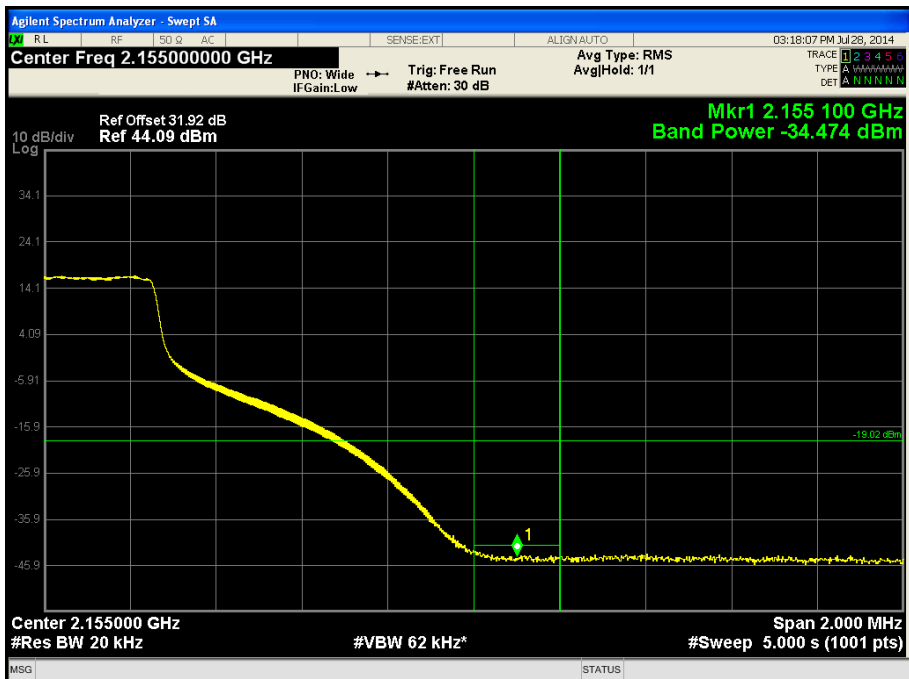
Channel Position T - Carrier Bandwidth 5.0 MHz – Antenna Port D



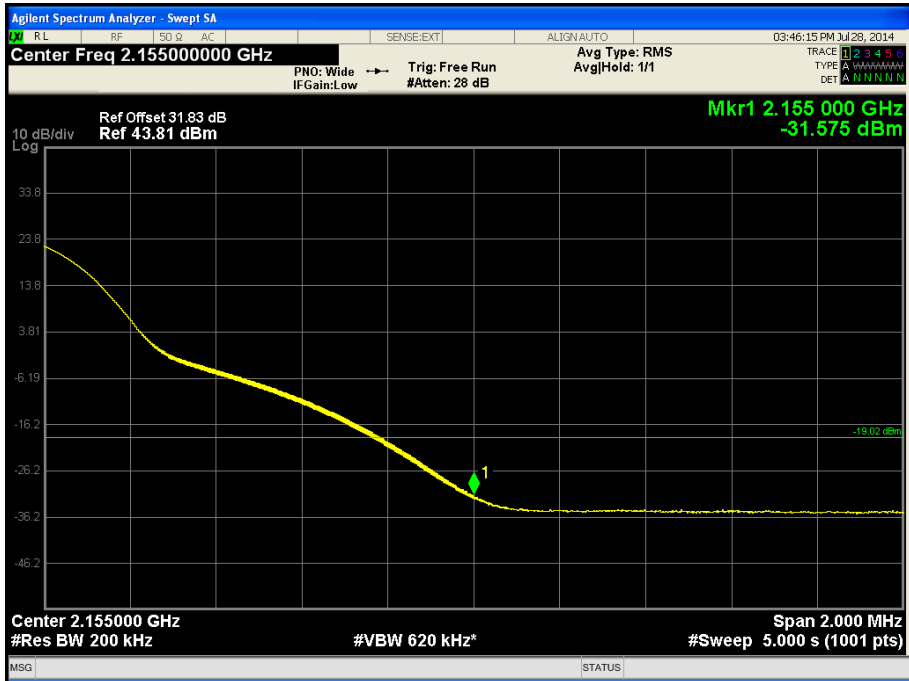
Channel Position T - Carrier Bandwidth 10.0 MHz – Antenna Port D



Channel Position T - Carrier Bandwidth 15.0 MHz – Antenna Port D



Channel Position T - Carrier Bandwidth 20.0 MHz – Antenna Port D

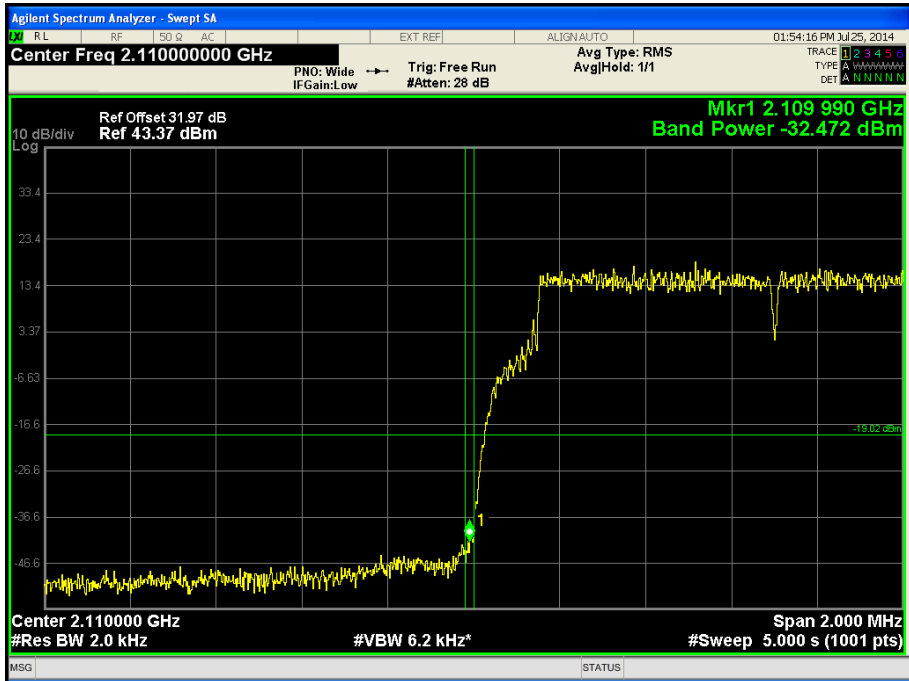


Configuration LTE-MC1

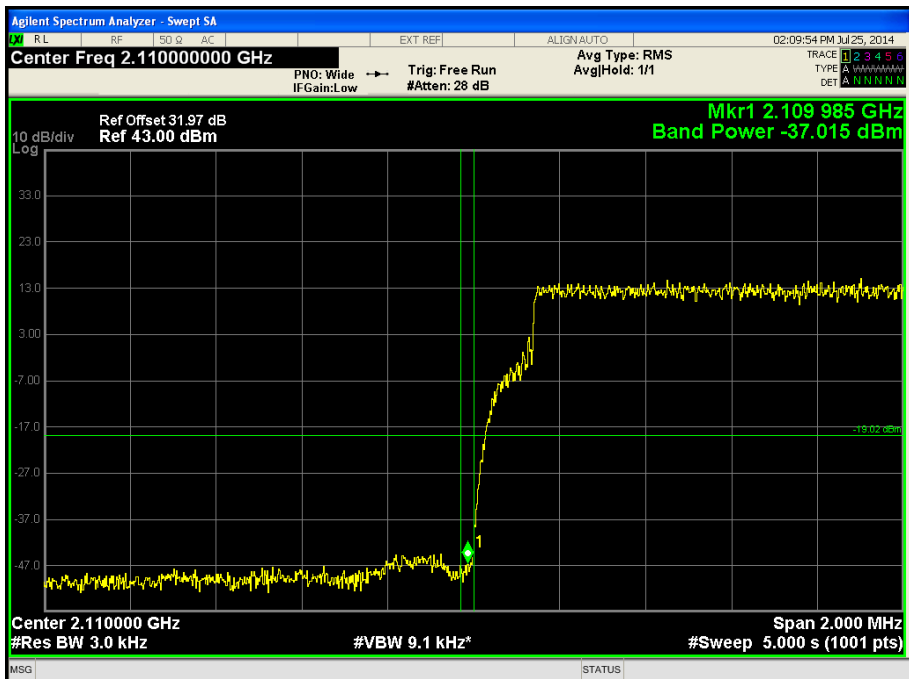
Maximum Output Power 41.76 dBm per carrier, Test Model 1.1 - Antenna Port A

Carrier Bandwidth	Band Edge (MHz)	
	Channel Position B	Channel Position T
1.4 MHz	2110.7 + 2112.1	2152.9 + 2154.3
3.0 MHz	2111.5 + 2114.5	2150.5 + 2153.5
5.0 MHz	2112.5 + 2117.5	2147.5 + 2152.5
10.0 MHz	2115.0 + 2125.0	2140.0 + 2150.0
15.0 MHz	2117.5 + 2132.5	2132.5 + 2147.5
20.0 MHz	2120.0 + 2140.0	2125.0 + 2145.0

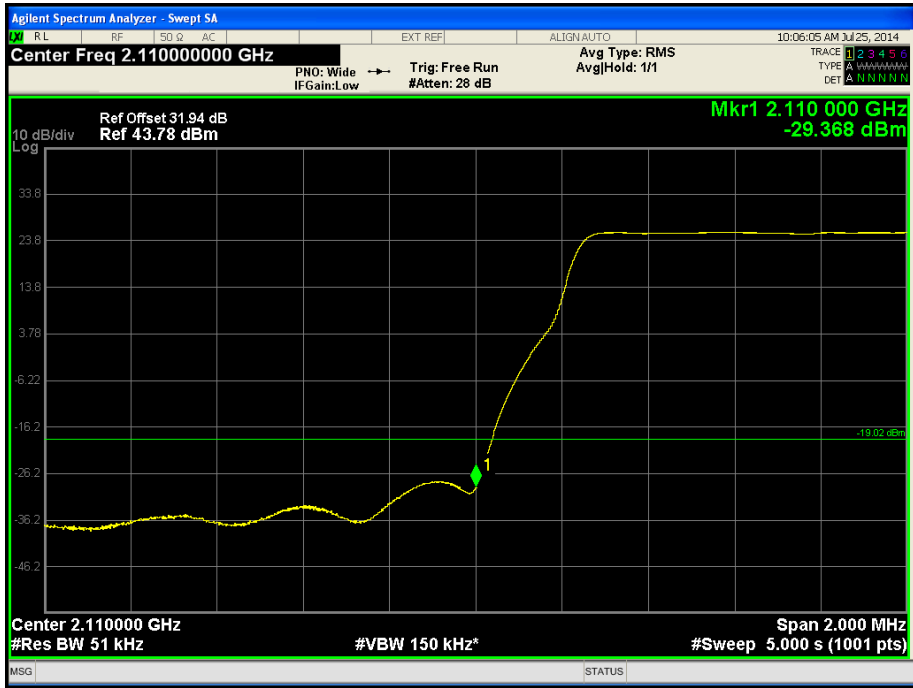
Channel Position B - Carrier Bandwidth 1.4 MHz – Antenna Port A



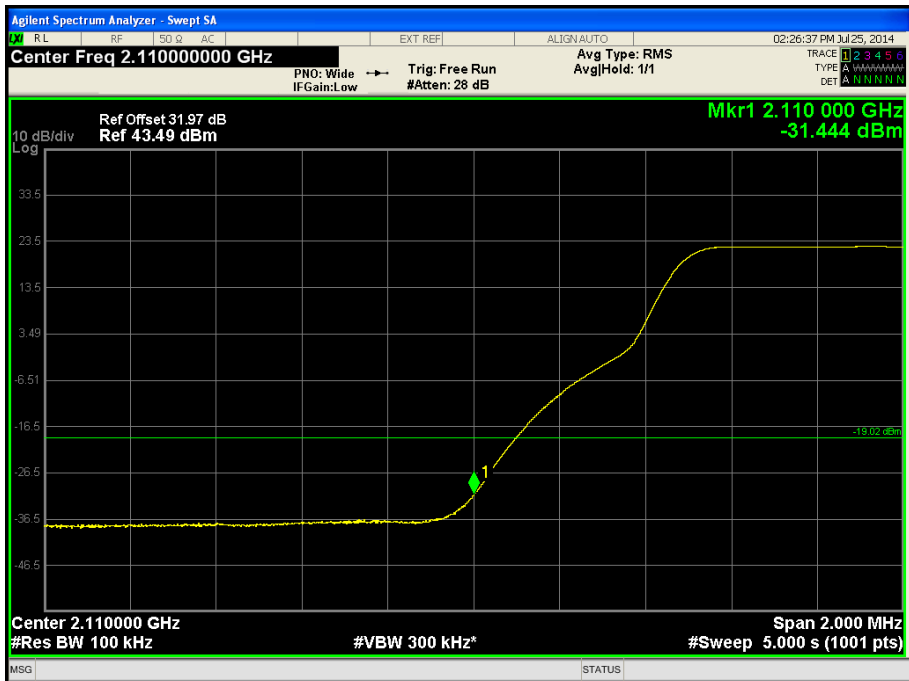
Channel Position B - Carrier Bandwidth 3.0 MHz – Antenna Port A



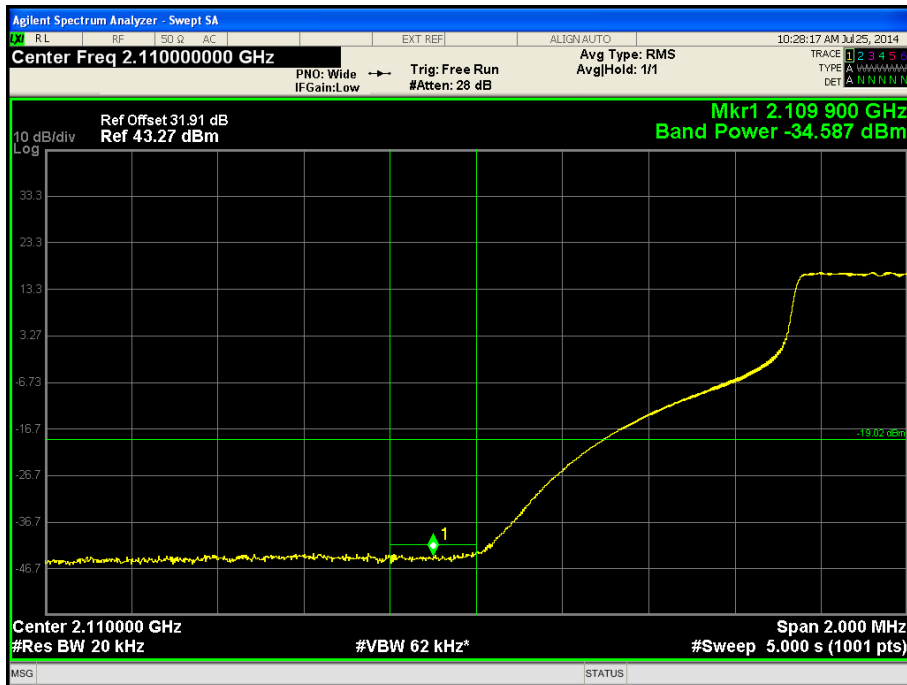
Channel Position B - Carrier Bandwidth 5.0 MHz – Antenna Port A



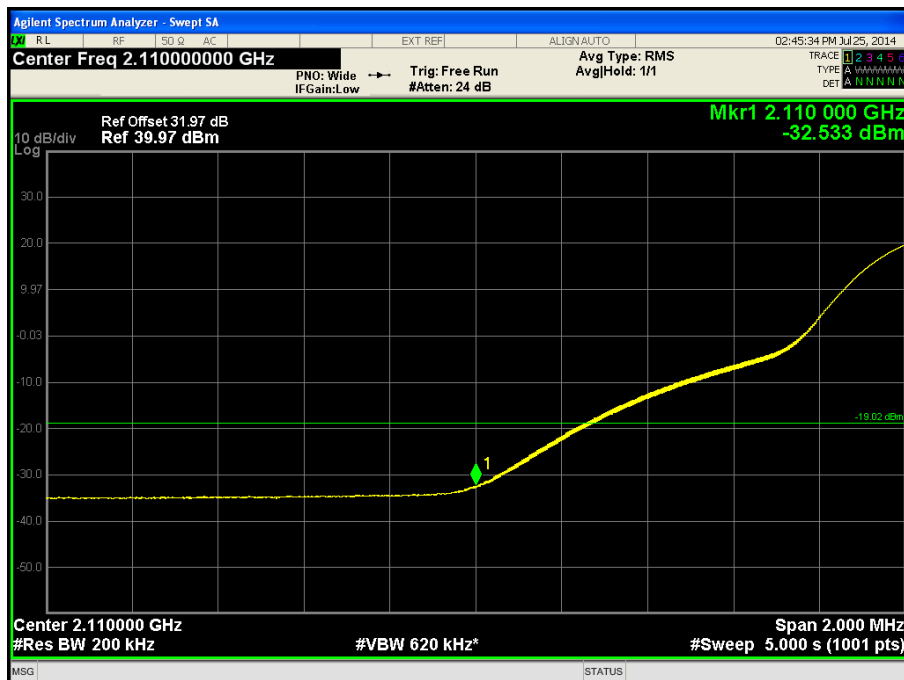
Channel Position B - Carrier Bandwidth 10.0 MHz – Antenna Port A



Channel Position B - Carrier Bandwidth 15.0 MHz – Antenna Port A



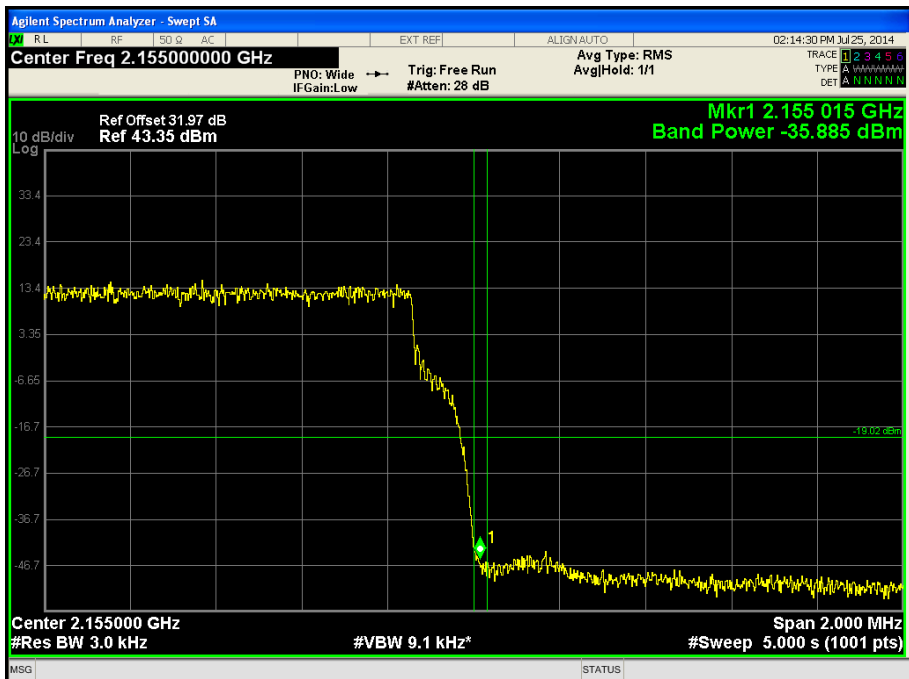
Channel Position B - Carrier Bandwidth 20.0 MHz – Antenna Port A



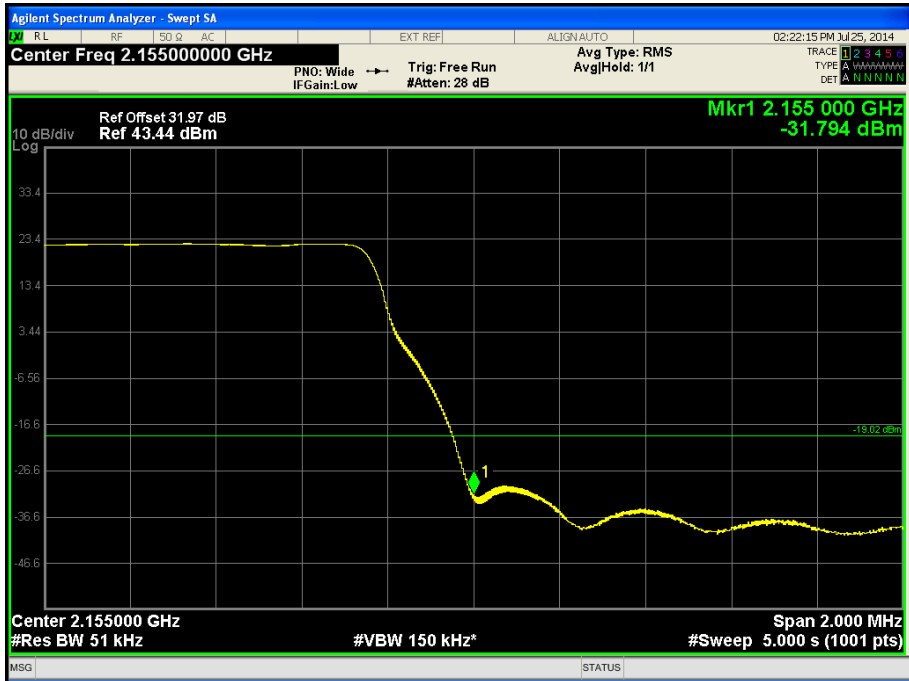
Channel Position T - Carrier Bandwidth 1.4 MHz – Antenna Port A



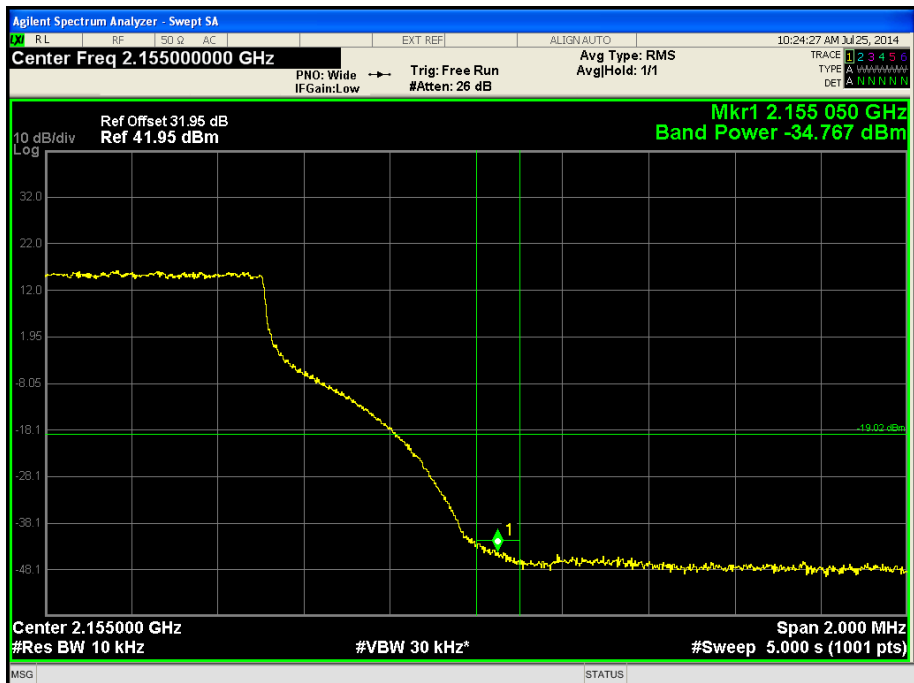
Channel Position T - Carrier Bandwidth 3.0 MHz – Antenna Port A



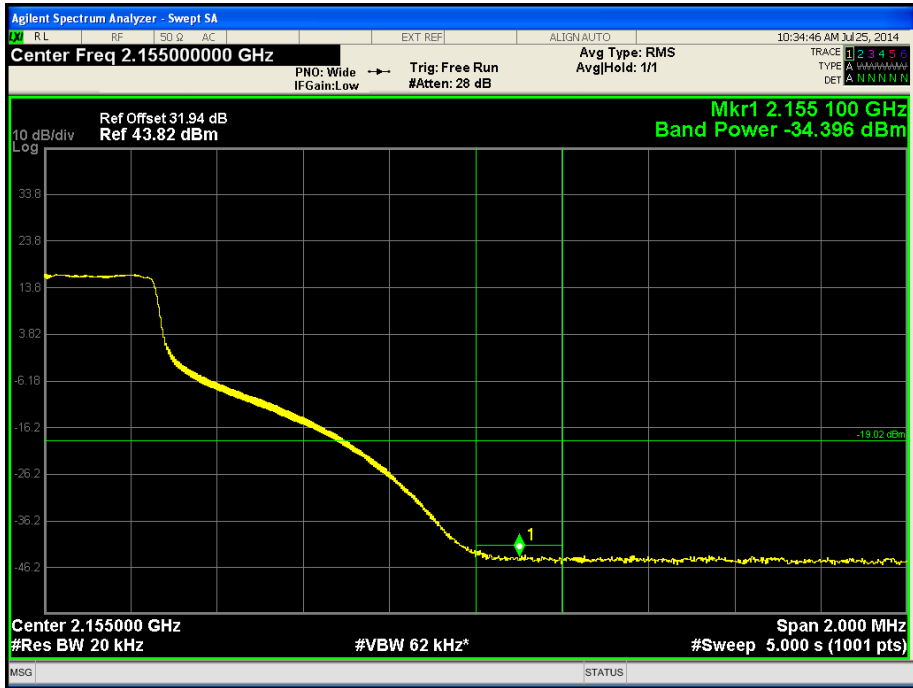
Channel Position T - Carrier Bandwidth 5.0 MHz – Antenna Port A



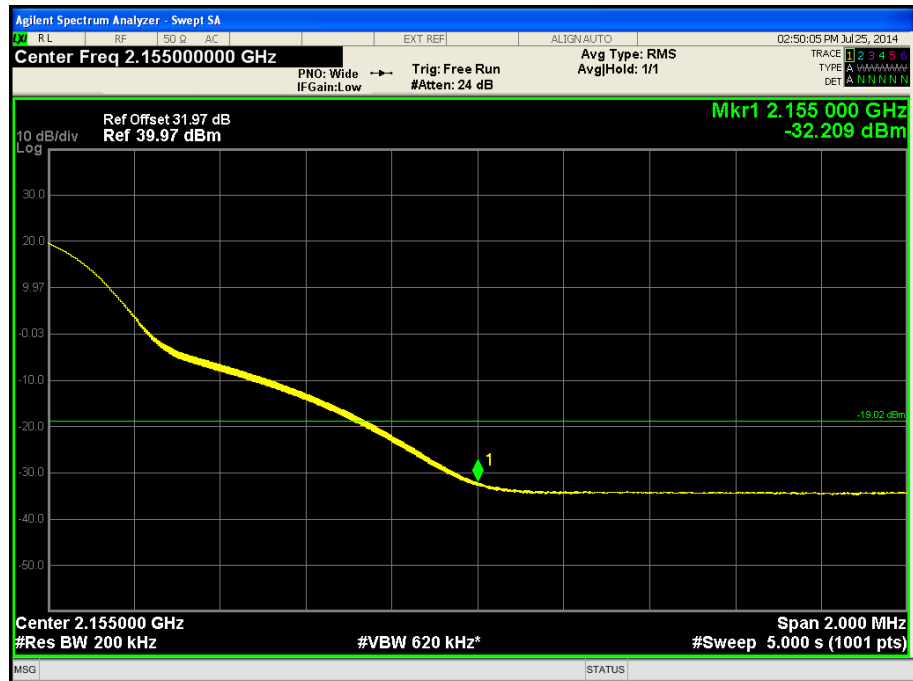
Channel Position T - Carrier Bandwidth 10.0 MHz – Antenna Port A



Channel Position T - Carrier Bandwidth 15.0 MHz – Antenna Port A



Channel Position T - Carrier Bandwidth 20.0 MHz – Antenna Port A

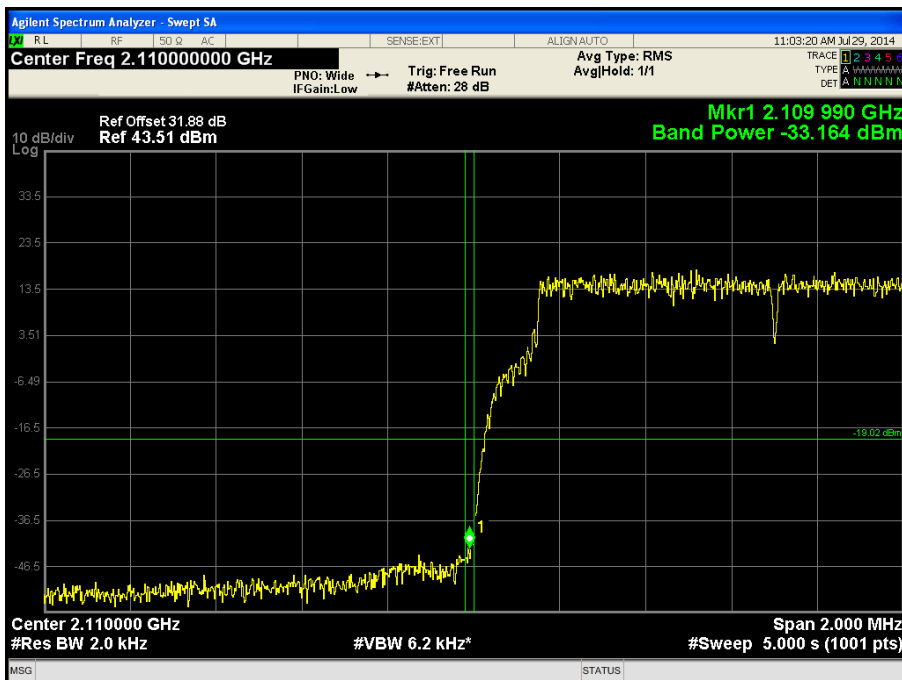


Configuration LTE-MC1

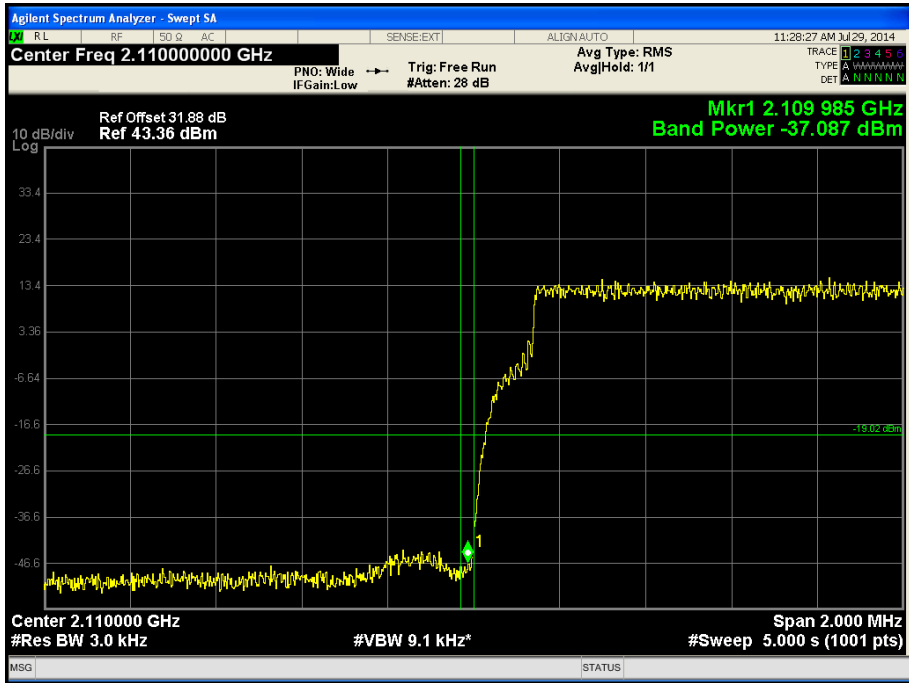
Maximum Output Power 41.76 dBm per carrier, Test Model 1.1 - Antenna Port B

Carrier Bandwidth	Band Edge (MHz)	
	Channel Position B	Channel Position T
1.4 MHz	2110.7 + 2112.1	2152.9 + 2154.3
3.0 MHz	2111.5 + 2114.5	2150.5 + 2153.5
5.0 MHz	2112.5 + 2117.5	2147.5 + 2152.5
10.0 MHz	2115.0 + 2125.0	2140.0 + 2150.0
15.0 MHz	2117.5 + 2132.5	2132.5 + 2147.5
20.0 MHz	2120.0 + 2140.0	2125.0 + 2145.0

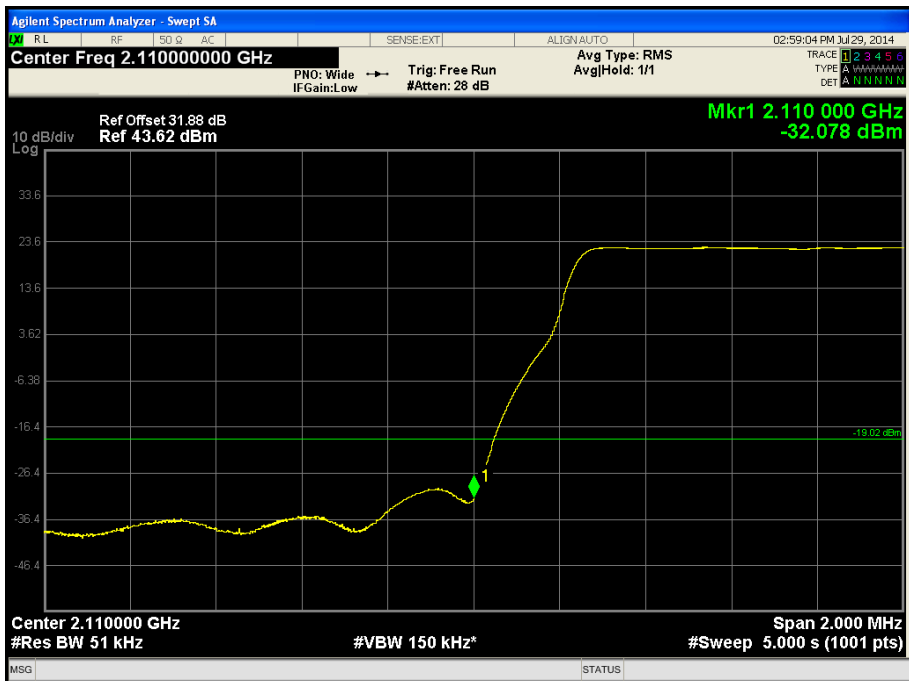
Channel Position B - Carrier Bandwidth 1.4 MHz – Antenna Port B



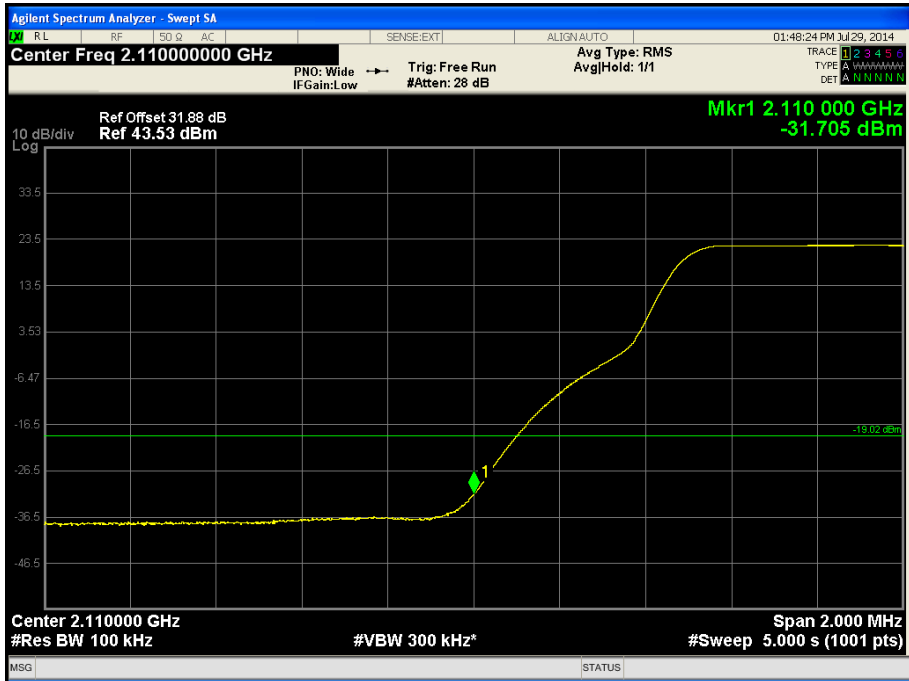
Channel Position B - Carrier Bandwidth 3.0 MHz – Antenna Port B



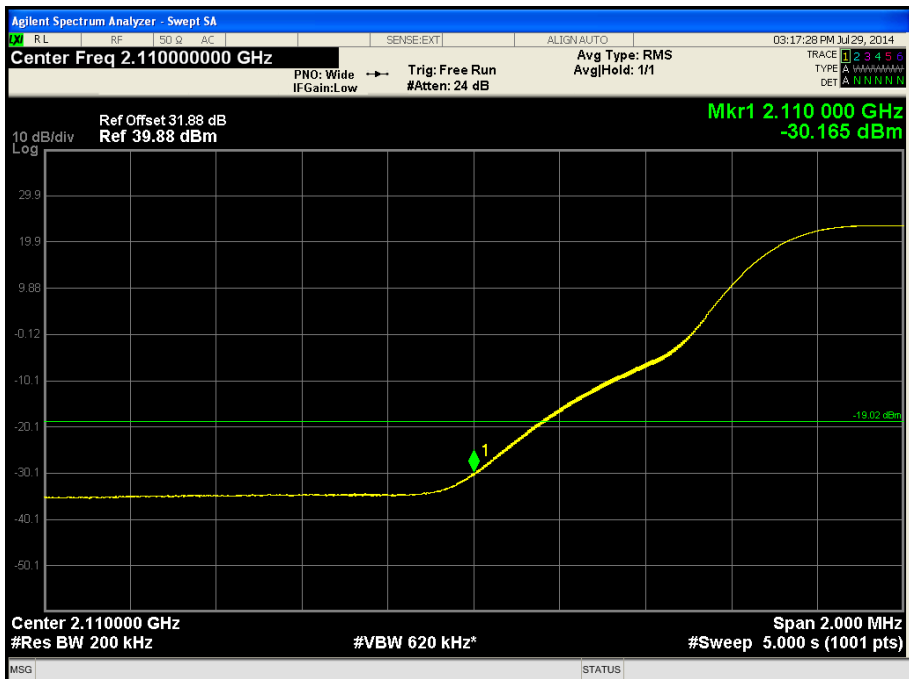
Channel Position B - Carrier Bandwidth 5.0 MHz – Antenna Port B



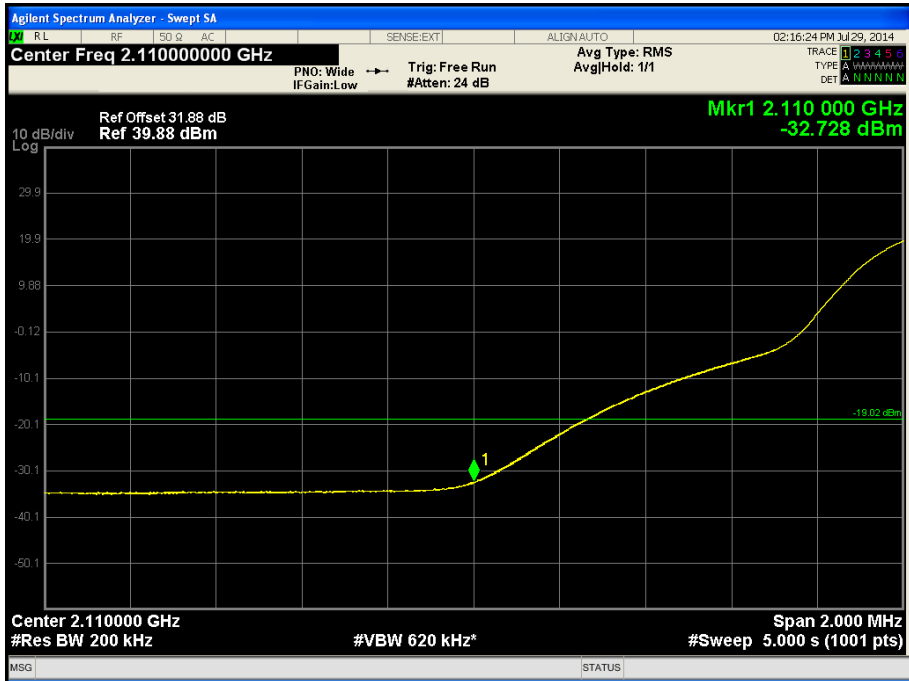
Channel Position B - Carrier Bandwidth 10.0 MHz – Antenna Port B



Channel Position B - Carrier Bandwidth 15.0 MHz – Antenna Port B



Channel Position B - Carrier Bandwidth 20.0 MHz – Antenna Port B



Channel Position T - Carrier Bandwidth 1.4 MHz – Antenna Port B



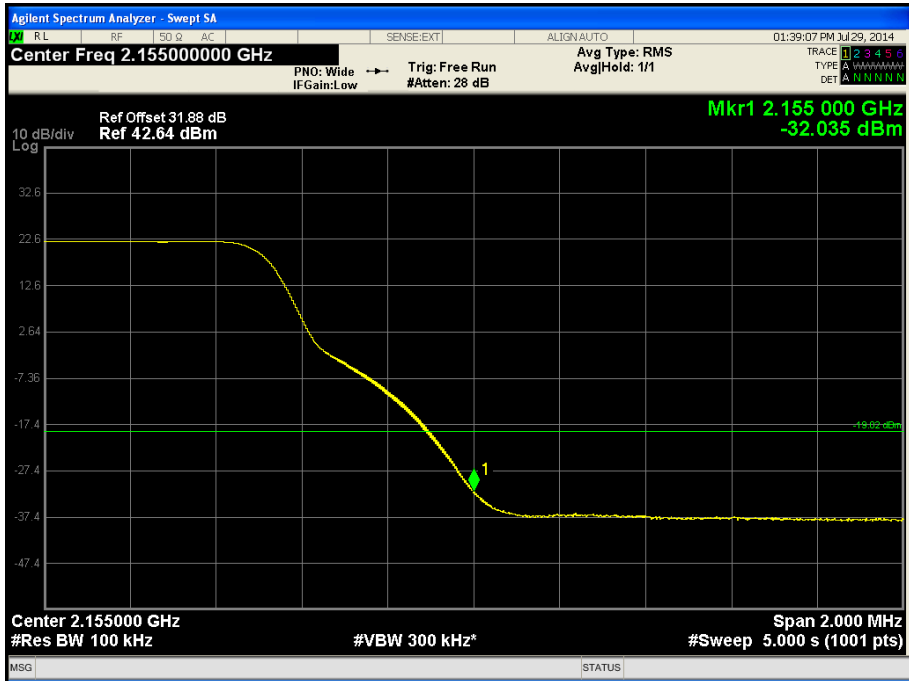
Channel Position T - Carrier Bandwidth 3.0 MHz – Antenna Port B



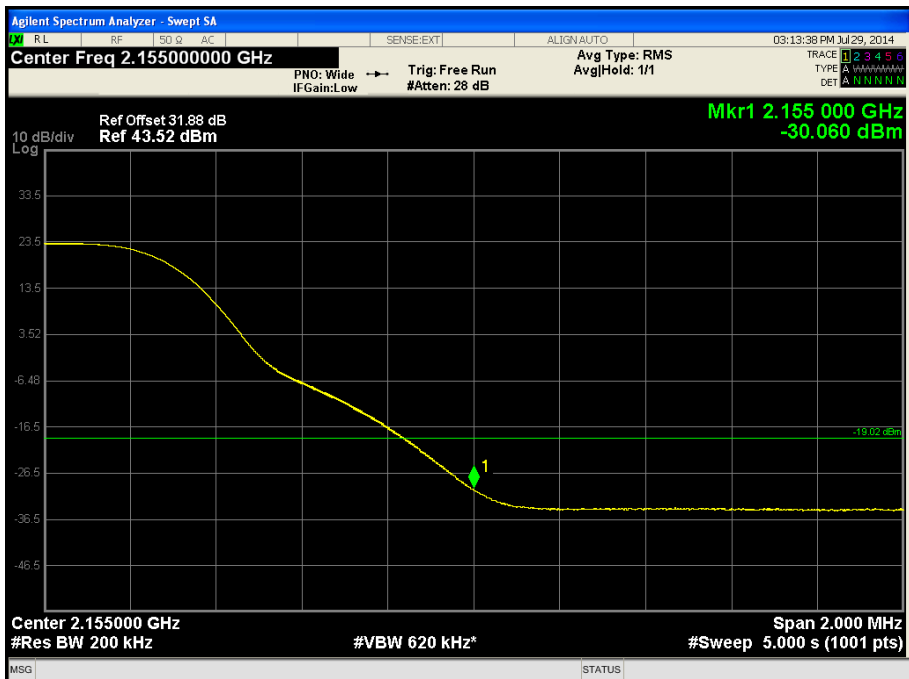
Channel Position T - Carrier Bandwidth 5.0 MHz – Antenna Port B



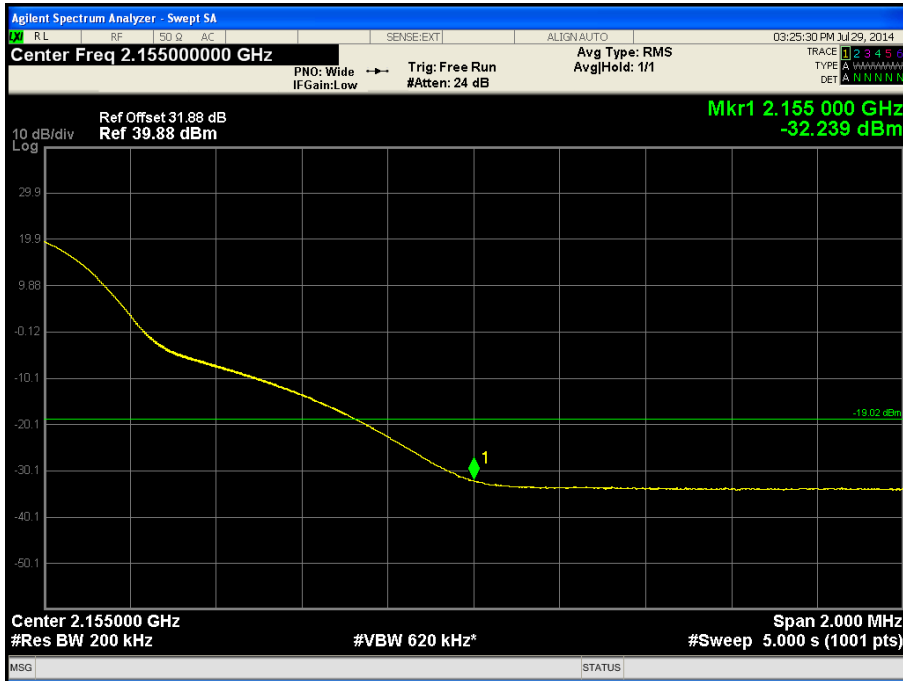
Channel Position T - Carrier Bandwidth 10.0 MHz – Antenna Port B



Channel Position T - Carrier Bandwidth 15.0 MHz – Antenna Port B



Channel Position T - Carrier Bandwidth 20.0 MHz – Antenna Port B

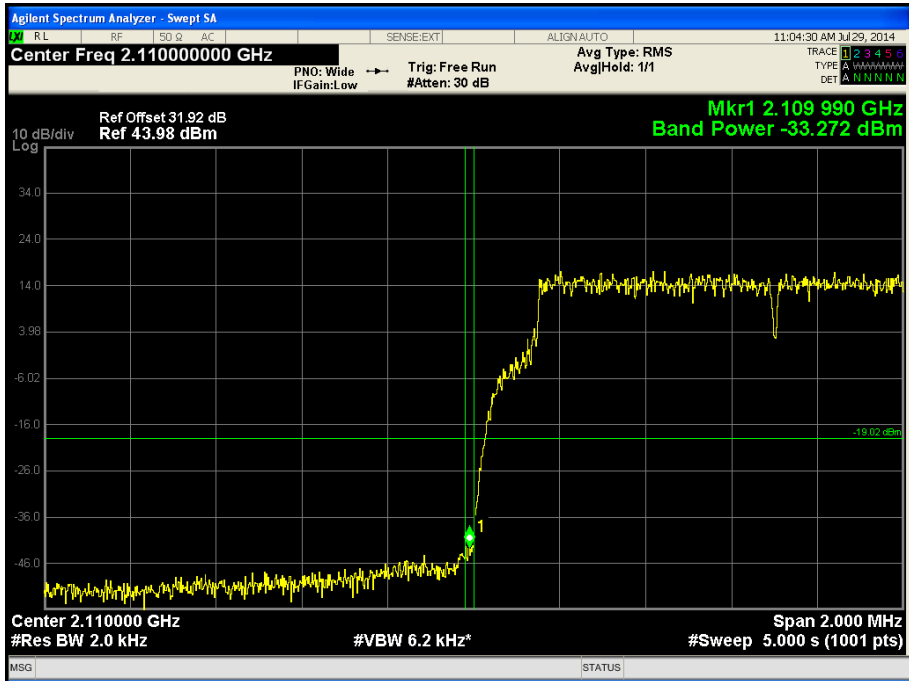


Configuration LTE-MC1

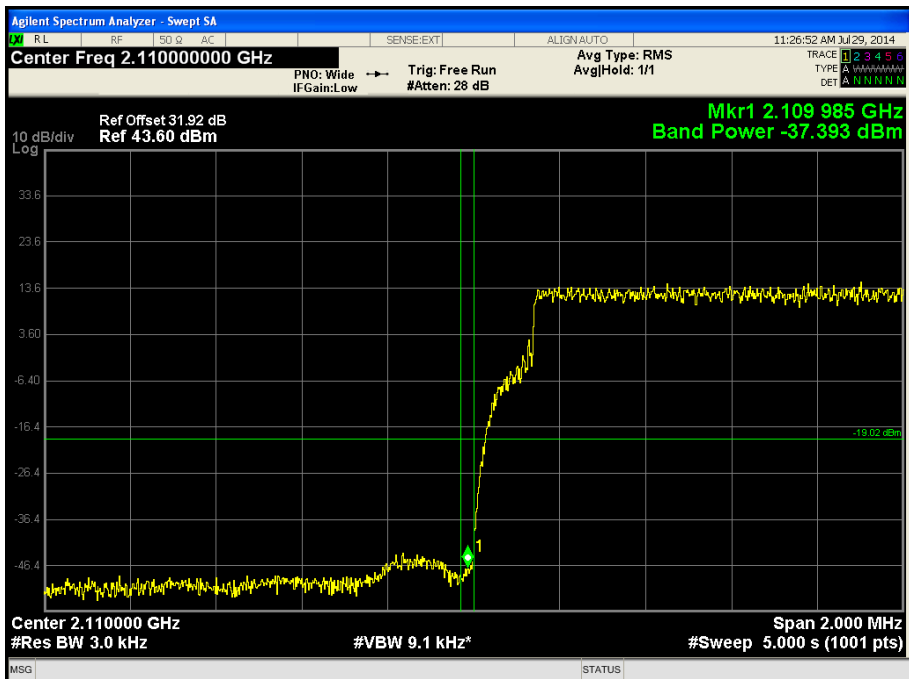
Maximum Output Power 41.76 dBm per carrier, Test Model 1.1 - Antenna Port C

Carrier Bandwidth	Band Edge (MHz)	
	Channel Position B	Channel Position T
1.4 MHz	2110.7 + 2112.1	2152.9 + 2154.3
3.0 MHz	2111.5 + 2114.5	2150.5 + 2153.5
5.0 MHz	2112.5 + 2117.5	2147.5 + 2152.5
10.0 MHz	2115.0 + 2125.0	2140.0 + 2150.0
15.0 MHz	2117.5 + 2132.5	2132.5 + 2147.5
20.0 MHz	2120.0 + 2140.0	2125.0 + 2145.0

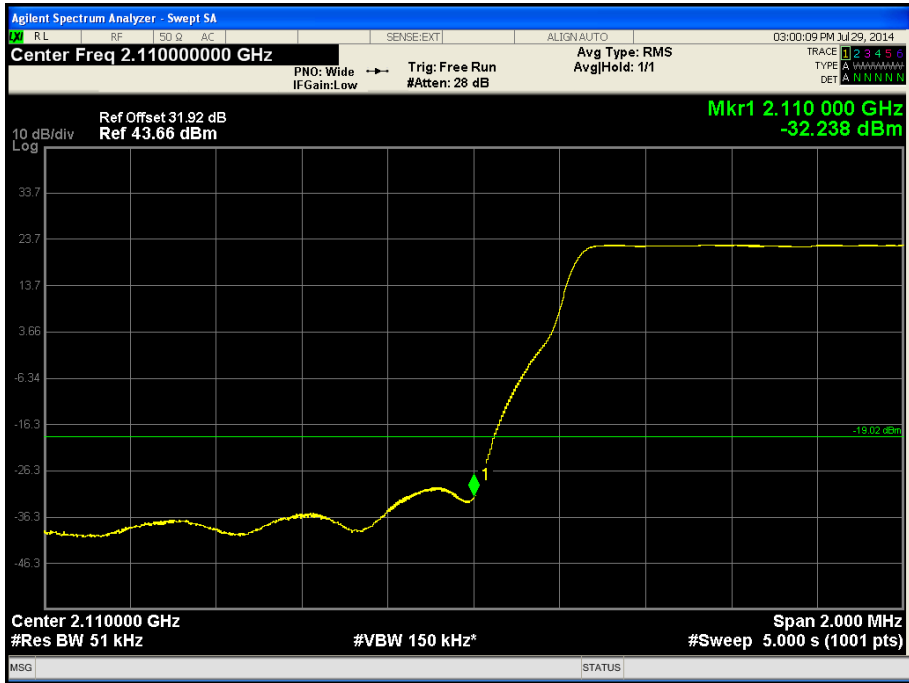
Channel Position B - Carrier Bandwidth 1.4 MHz – Antenna Port C



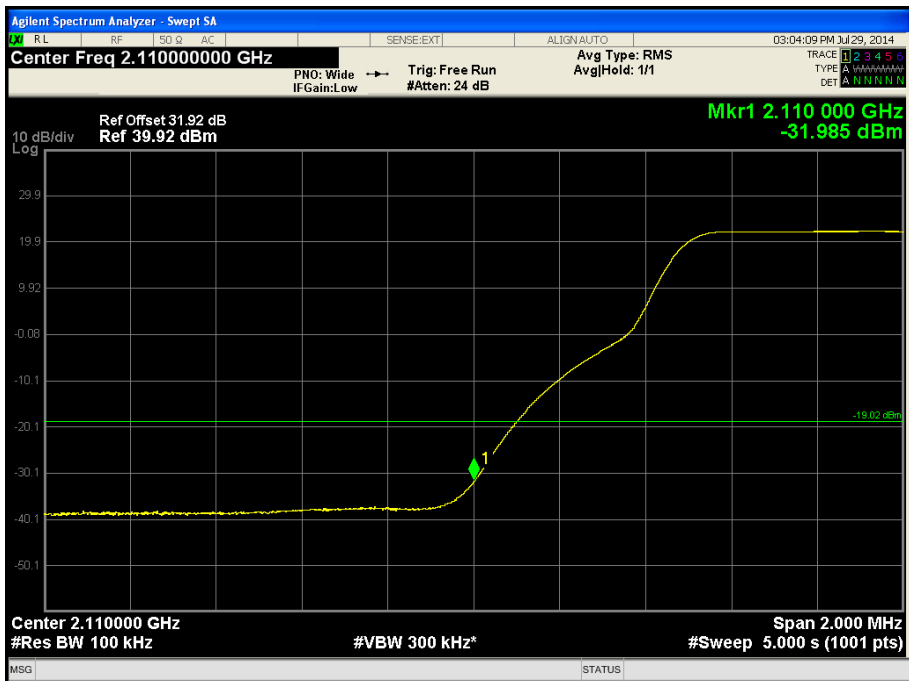
Channel Position B - Carrier Bandwidth 3.0 MHz – Antenna Port C



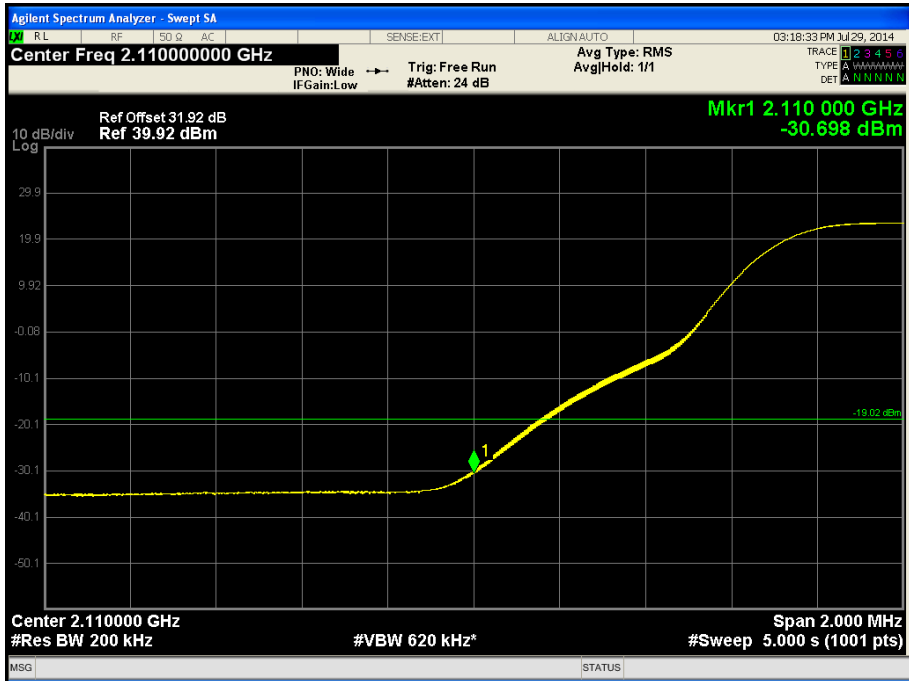
Channel Position B - Carrier Bandwidth 5.0 MHz – Antenna Port C



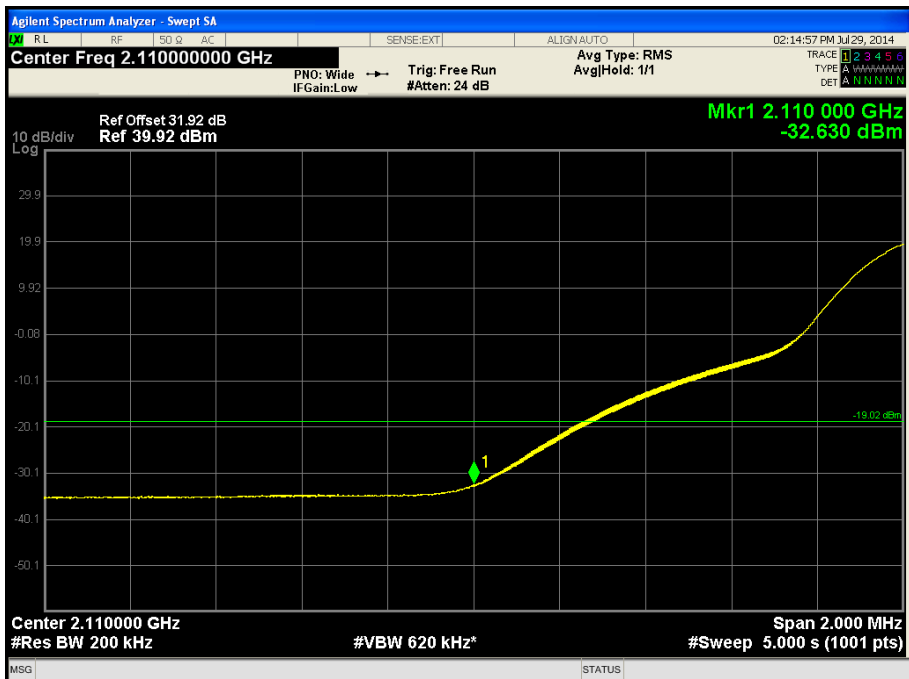
Channel Position B - Carrier Bandwidth 10.0 MHz – Antenna Port C



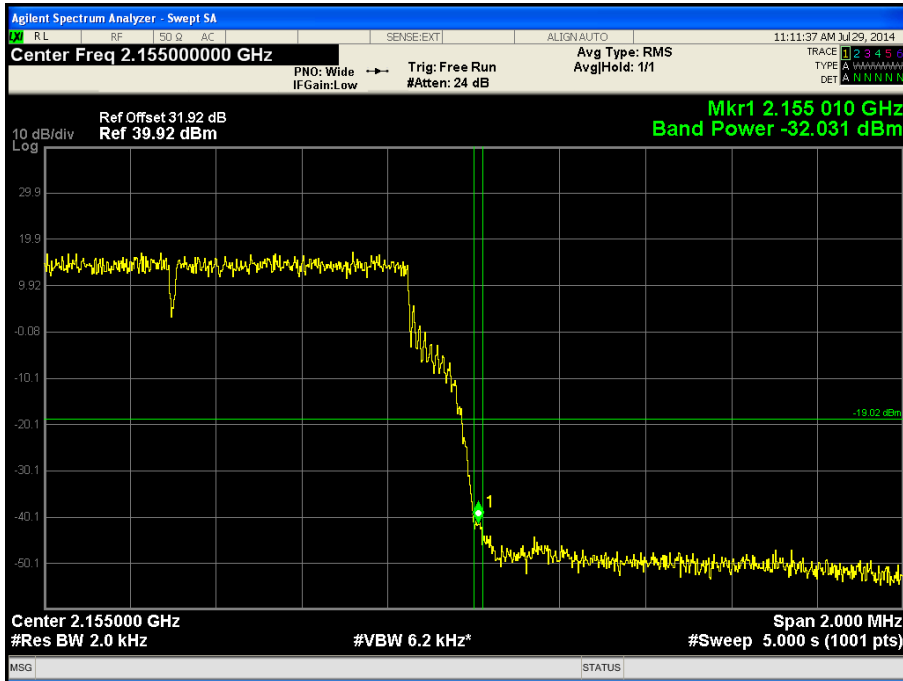
Channel Position B - Carrier Bandwidth 15.0 MHz – Antenna Port C



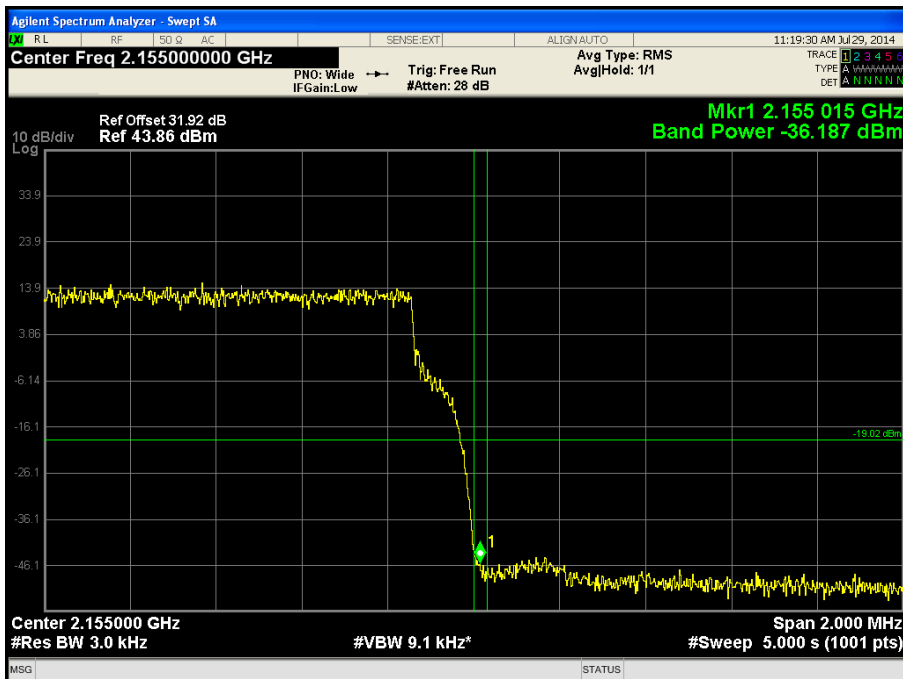
Channel Position B - Carrier Bandwidth 20.0 MHz – Antenna Port C



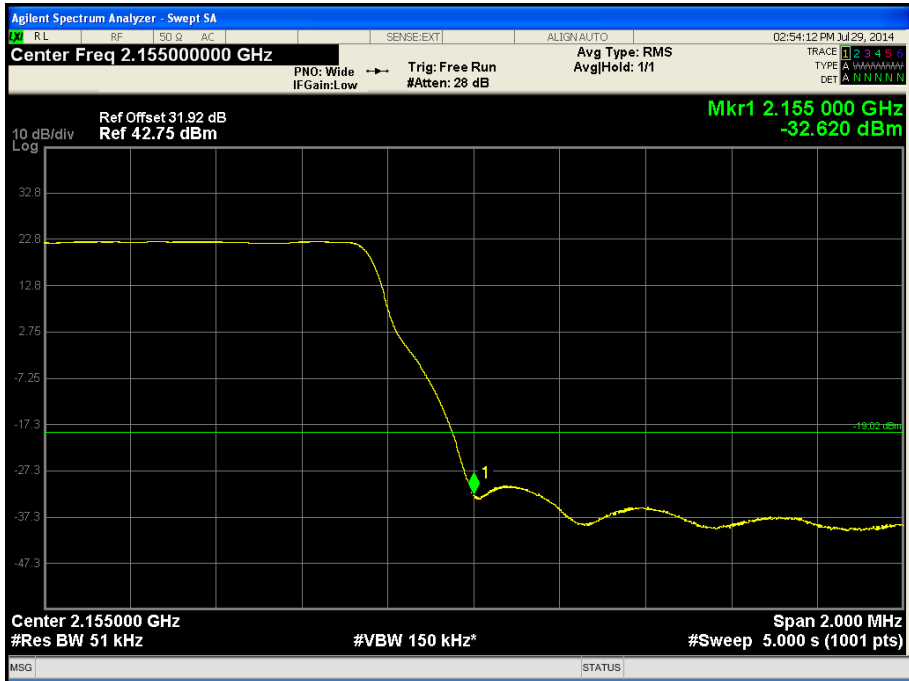
Channel Position T - Carrier Bandwidth 1.4 MHz – Antenna Port C



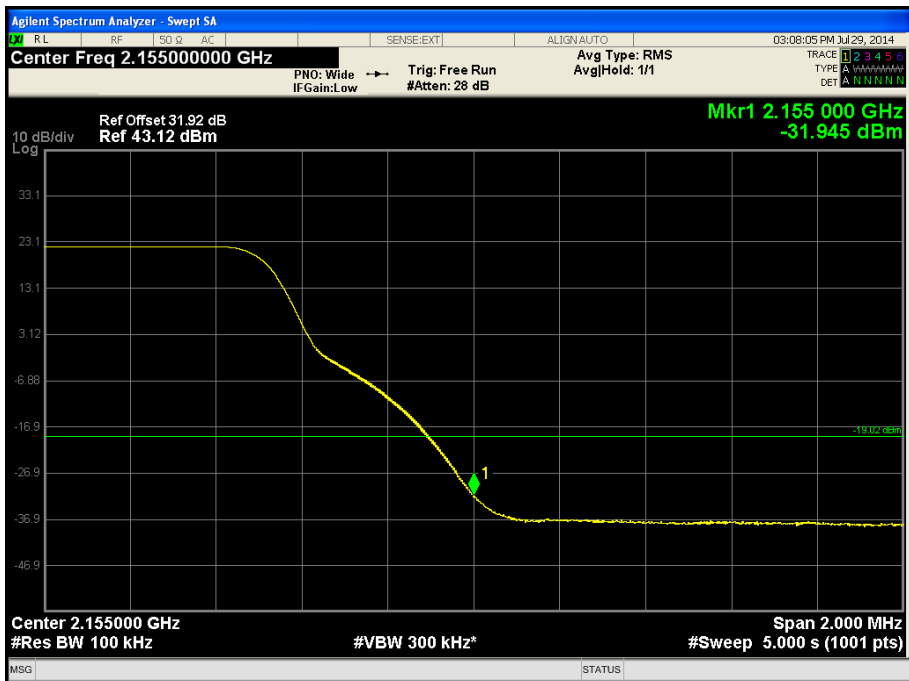
Channel Position T - Carrier Bandwidth 3.0 MHz – Antenna Port C



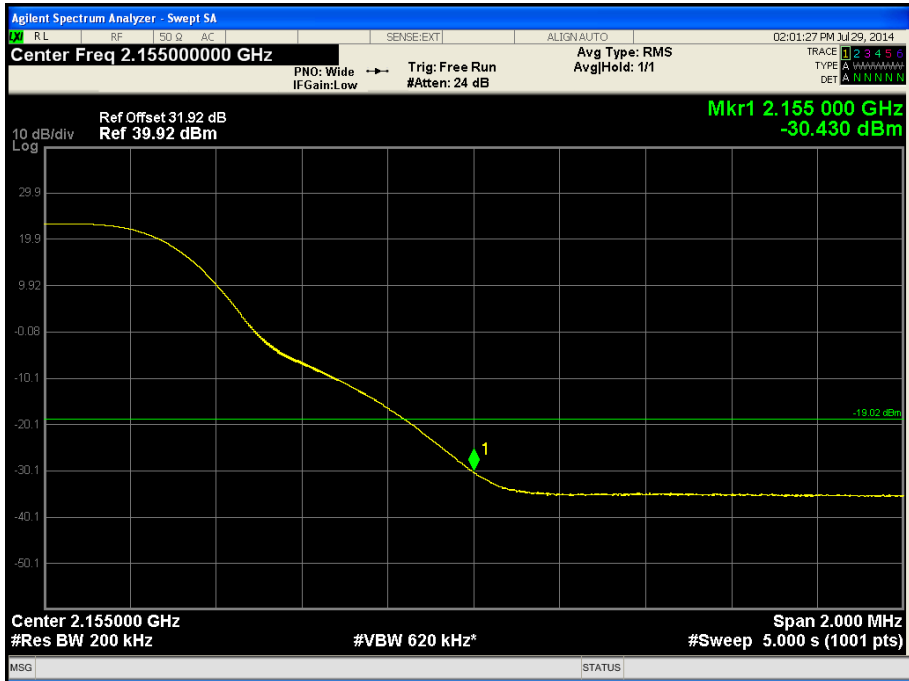
Channel Position T - Carrier Bandwidth 5.0 MHz – Antenna Port C



Channel Position T - Carrier Bandwidth 10.0 MHz – Antenna Port C



Channel Position T - Carrier Bandwidth 15.0 MHz – Antenna Port C



Channel Position T - Carrier Bandwidth 20.0 MHz – Antenna Port C

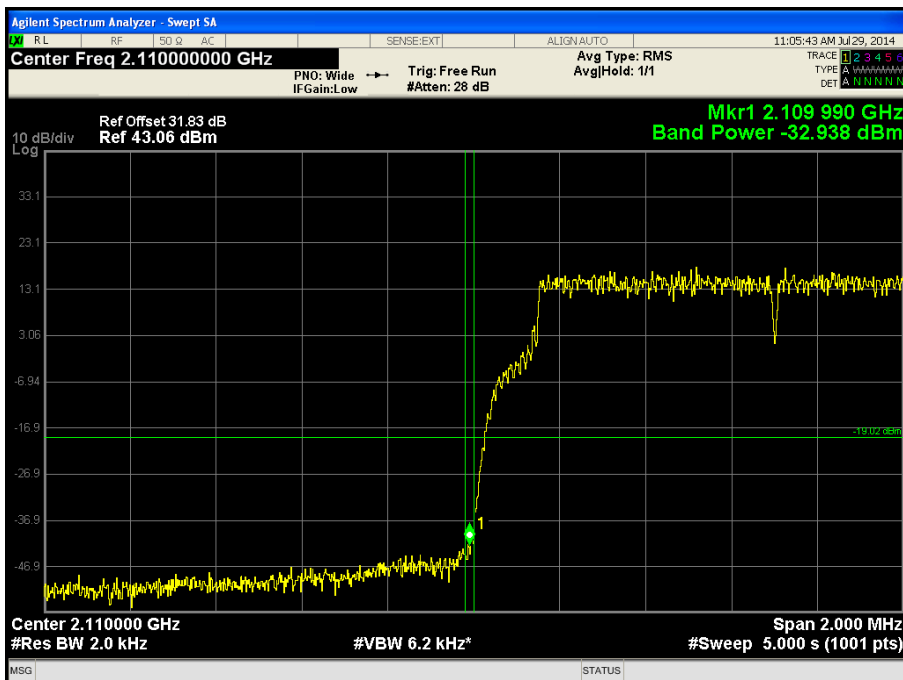


Configuration LTE-MC1

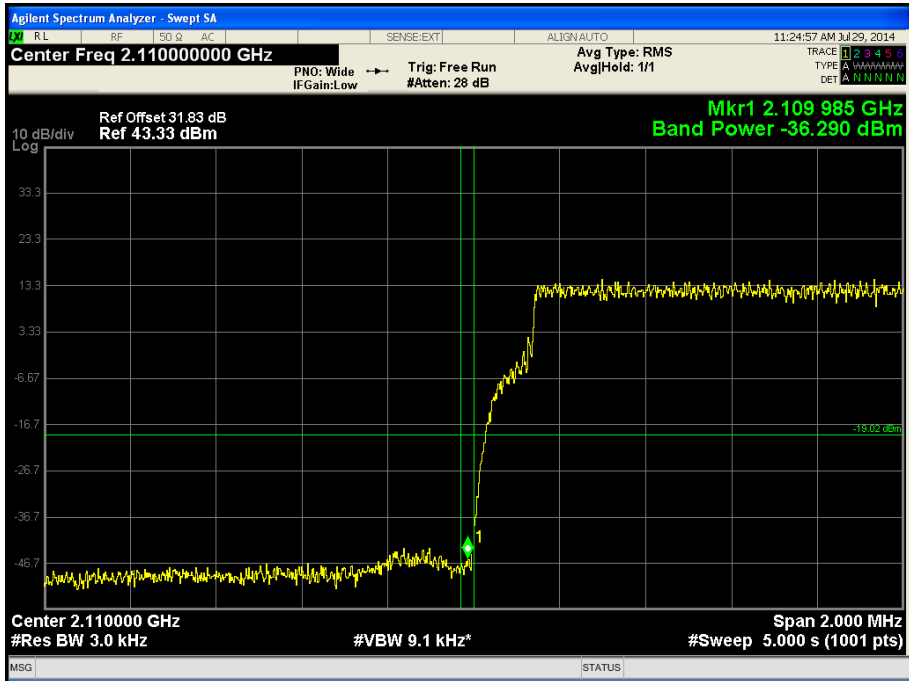
Maximum Output Power 41.76 dBm per carrier, Test Model 1.1 - Antenna Port D

Carrier Bandwidth	Band Edge (MHz)	
	Channel Position B	Channel Position T
1.4 MHz	2110.7 + 2112.1	2152.9 + 2154.3
3.0 MHz	2111.5 + 2114.5	2150.5 + 2153.5
5.0 MHz	2112.5 + 2117.5	2147.5 + 2152.5
10.0 MHz	2115.0 + 2125.0	2140.0 + 2150.0
15.0 MHz	2117.5 + 2132.5	2132.5 + 2147.5
20.0 MHz	2120.0 + 2140.0	2125.0 + 2145.0

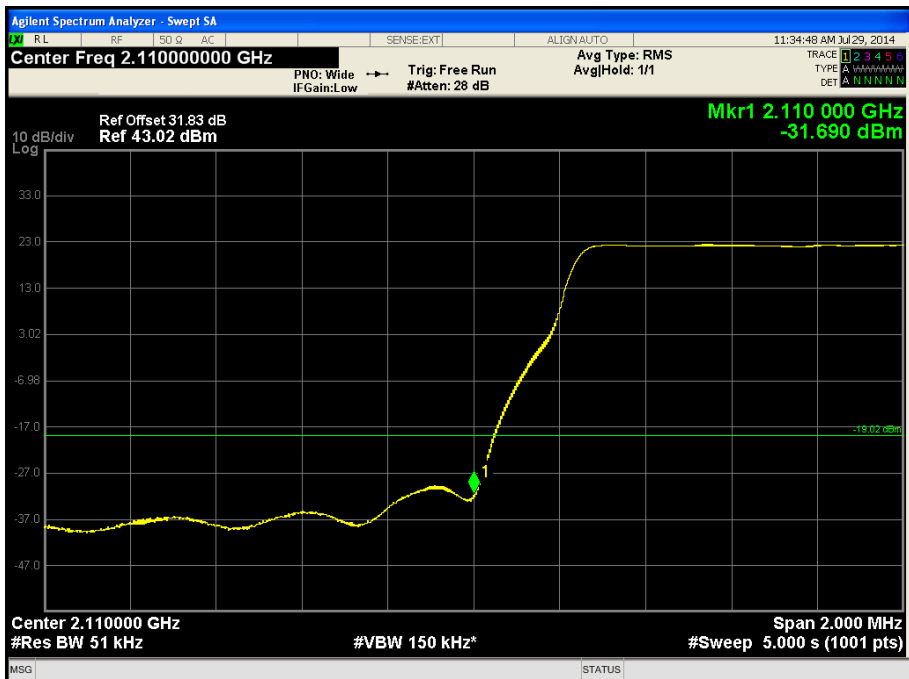
Channel Position B - Carrier Bandwidth 1.4 MHz – Antenna Port D



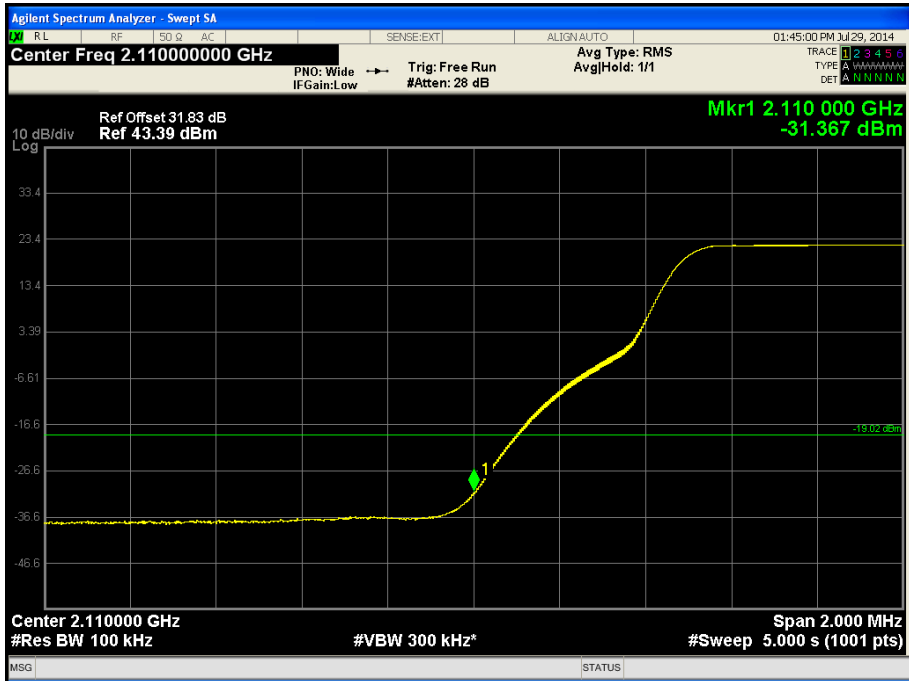
Channel Position B - Carrier Bandwidth 3.0 MHz – Antenna Port D



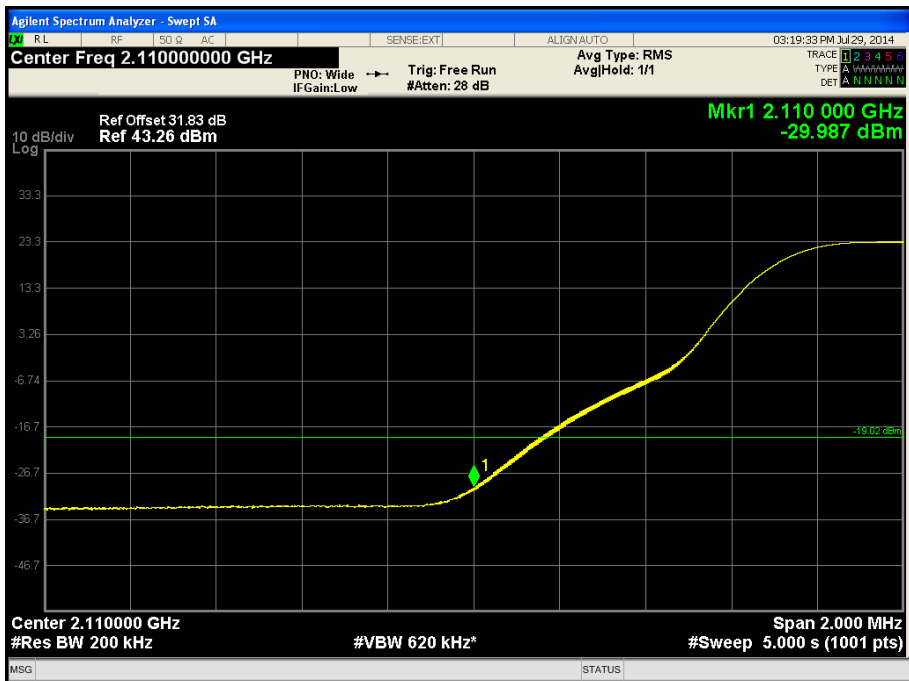
Channel Position B - Carrier Bandwidth 5.0 MHz – Antenna Port D



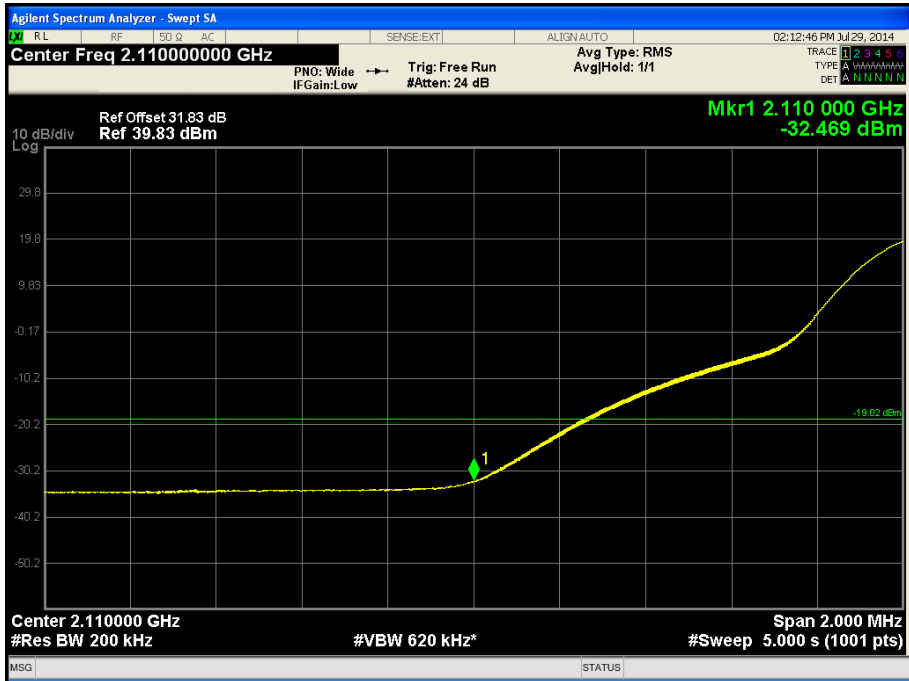
Channel Position B - Carrier Bandwidth 10.0 MHz – Antenna Port D



Channel Position B - Carrier Bandwidth 15.0 MHz – Antenna Port D



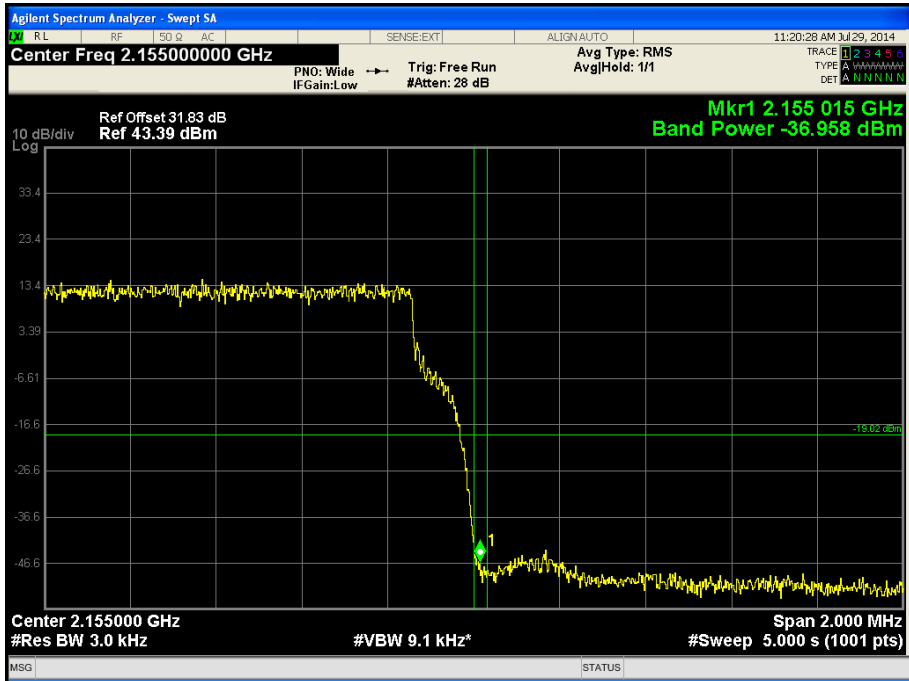
Channel Position B - Carrier Bandwidth 20.0 MHz – Antenna Port D



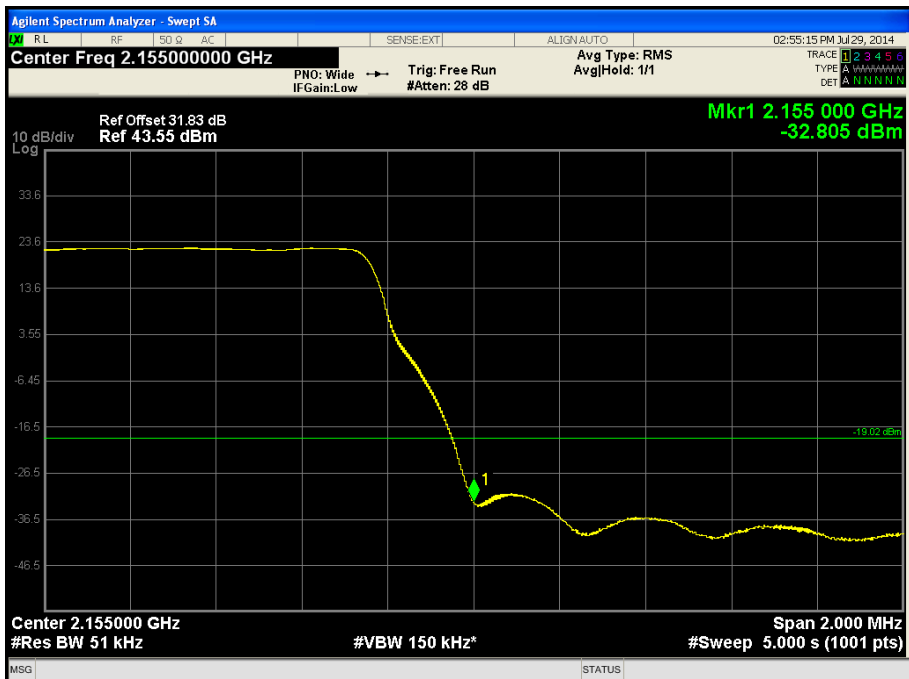
Channel Position T - Carrier Bandwidth 1.4 MHz – Antenna Port D



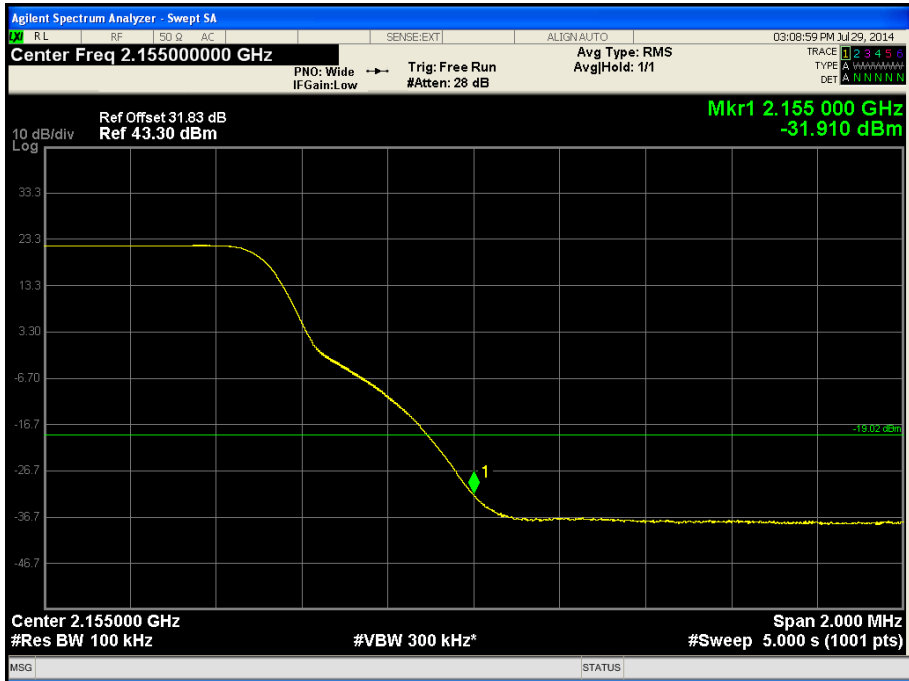
Channel Position T - Carrier Bandwidth 3.0 MHz – Antenna Port D



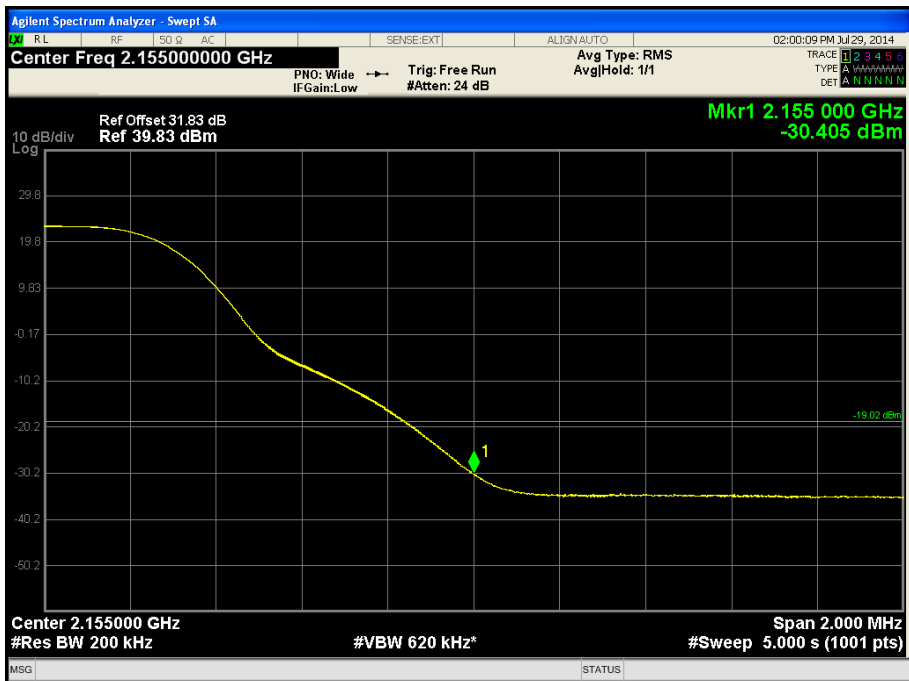
Channel Position T - Carrier Bandwidth 5.0 MHz – Antenna Port D



Channel Position T - Carrier Bandwidth 10.0 MHz – Antenna Port D



Channel Position T - Carrier Bandwidth 15.0 MHz – Antenna Port D



Channel Position T - Carrier Bandwidth 20.0 MHz – Antenna Port D



Limit	-19 dBm (-13 dBm - 10log(NANT) where N = 4
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2.4 TRANSMITTER SPURIOUS EMISSIONS

2.4.1 Specification Reference

FCC CFR 47 Part 2, Clause 2.1051
FCC CFR 47 Part 27, Clause 27.53(h)
Industry Canada RSS-139, Clause 4.2 / 6.5 (ii)

2.4.2 Date of Test and Modification State

25, 28 and 29 July 2014 - Modification State 0

2.4.3 Test Equipment Used

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

2.4.4 Environmental Conditions

Ambient Temperature	21.3 - 21.8°C
Relative Humidity	52.5 - 60%

2.4.5 Test Method

The EUT was connected to a Spectrum Analyser via 30dB of attenuation for measurements below 3.5GHz and up to 22GHz using 30dB of attenuation and a high pass filter. Prior to testing, a Network Analyser was used to calibrate the path loss between the EUT and the Spectrum Analyser. The worst case path loss in the measured ranges was entered as a reference level offset. Over the measured ranges, the RBW was set to 1MHz with a VBW of 3MHz. All measurement results are specified as average with an RMS detector being used in conjunction with a trace setting of Max Hold. Measurements were performed in configurations of the EUT as reported below. The configurations chosen were worst case based on pre-test results carried out prior to the start of testing.

Testing was performed on all ports with the test results for Port A being recorded. The test limits were set to a worst case value of -19dBm.

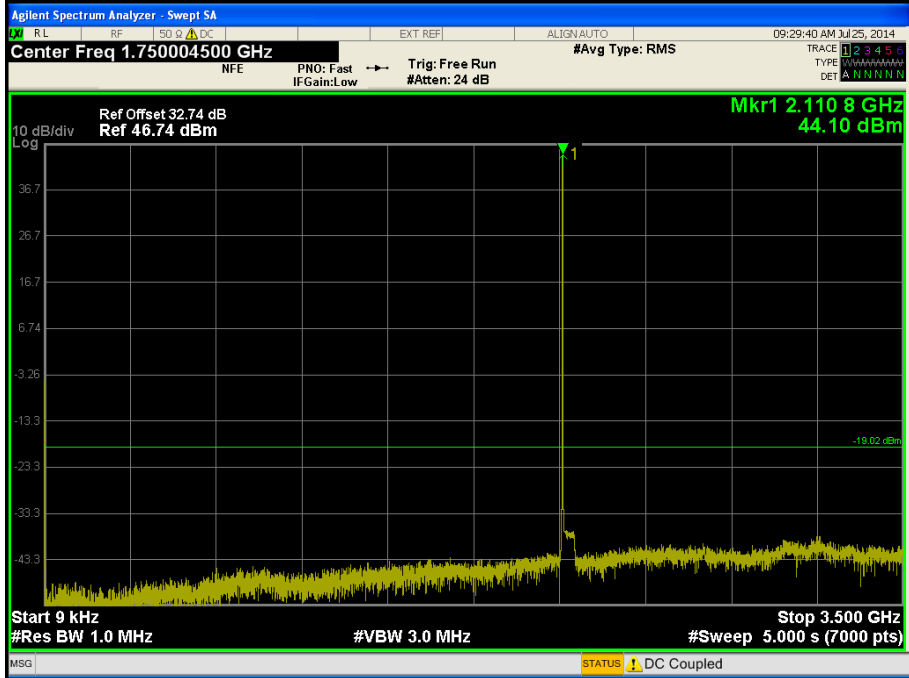
The results are shown in the plots below.

2.4.6 Test Results

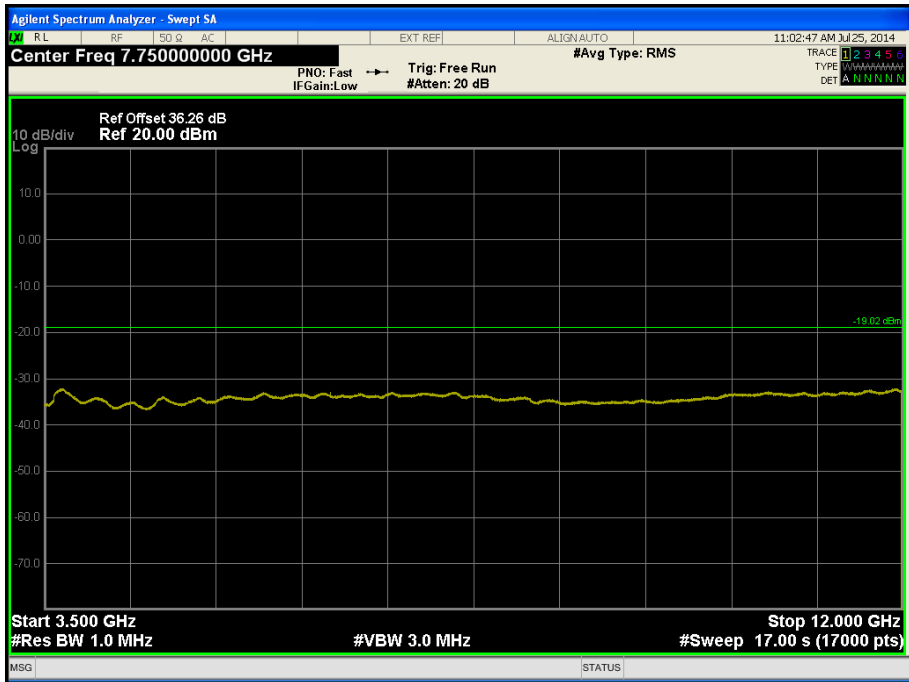
Configuration LTE (See Table 1 for carrier frequency)

Maximum Output Power 44.77 dBm per carrier, Test Model 1.1 - Antenna Port A

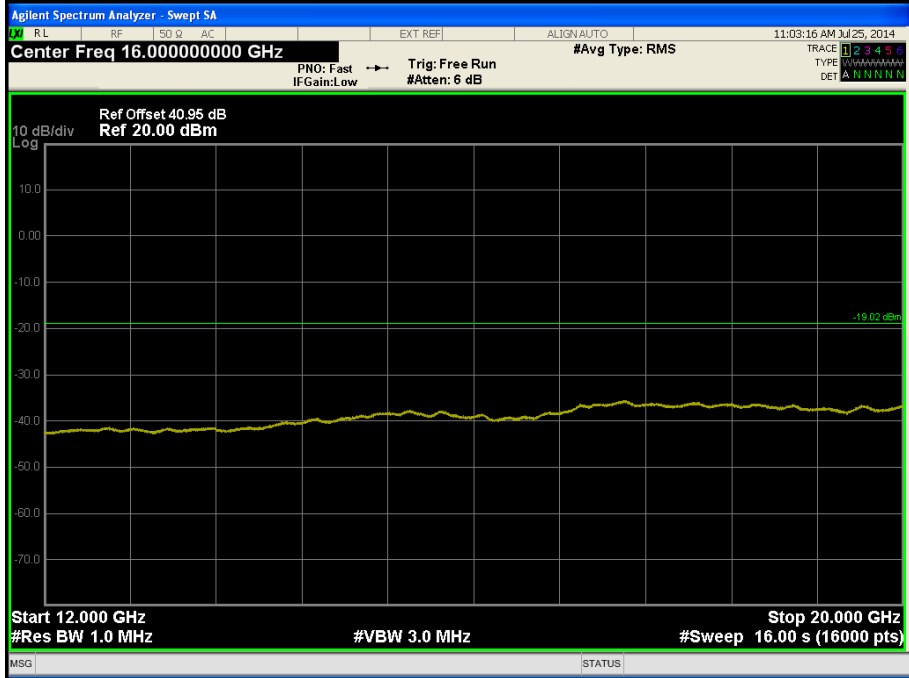
Channel Position B - Carrier Bandwidth 1.4 MHz - Band 1 - Range 0.009 to 3500 MHz – Antenna Port A



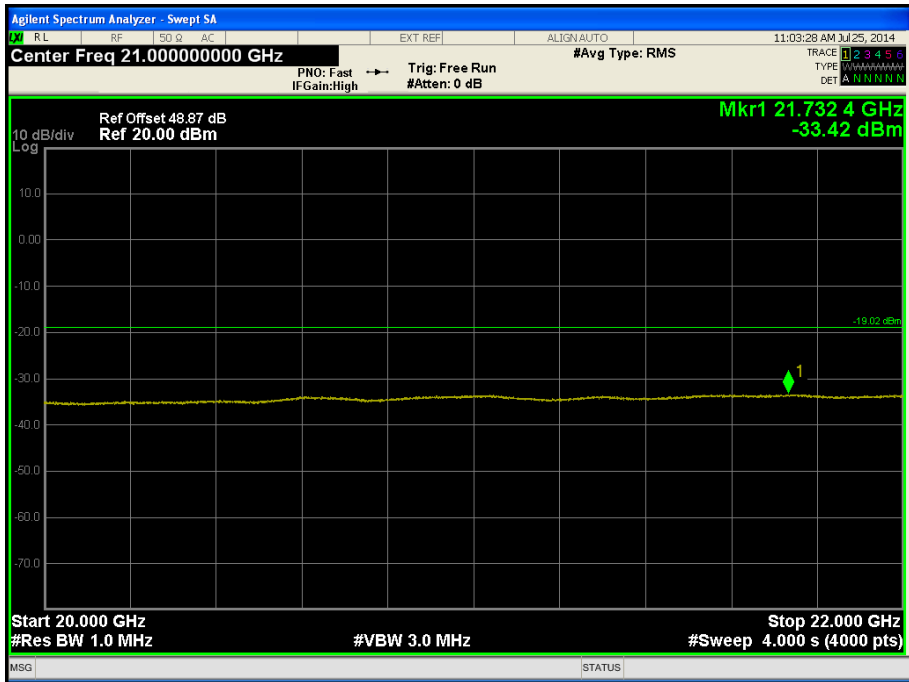
Channel Position B - Carrier Bandwidth 1.4 MHz - Band 2 - Range 3500 to 12000 MHz – Antenna Port A



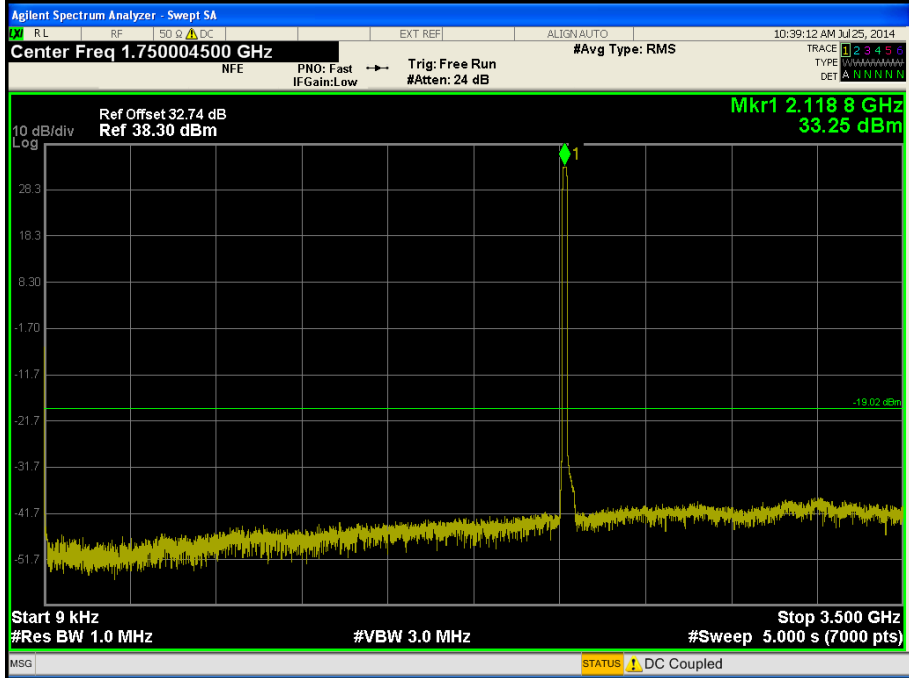
Channel Position B - Carrier Bandwidth 1.4 MHz - Band 3 - Range 12000 to 20000 MHz – Antenna Port A



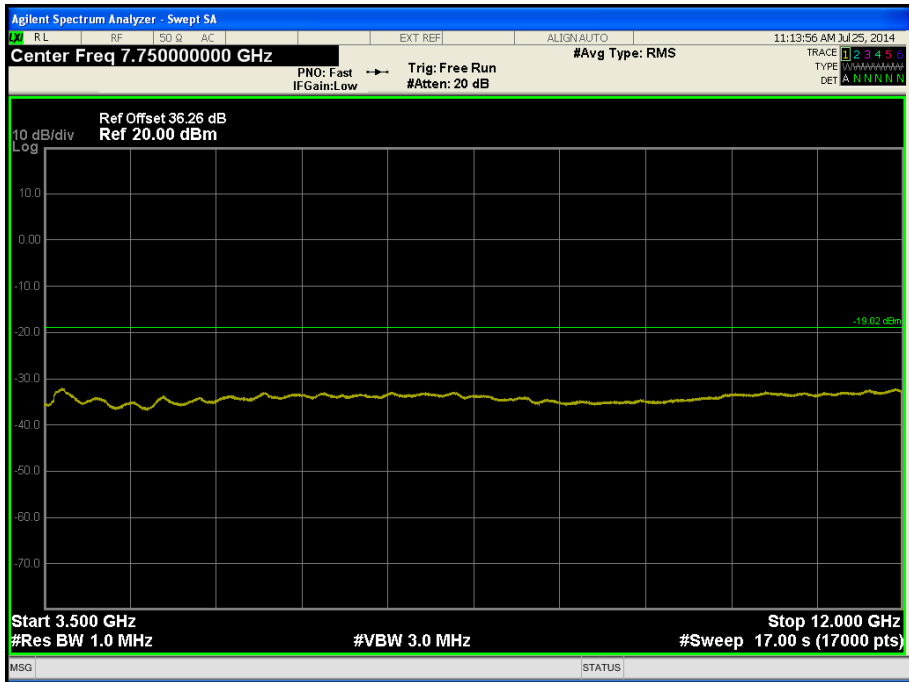
Channel Position B - Carrier Bandwidth 1.4 MHz - Band 4 - Range 20000 to 22000 MHz – Antenna Port A



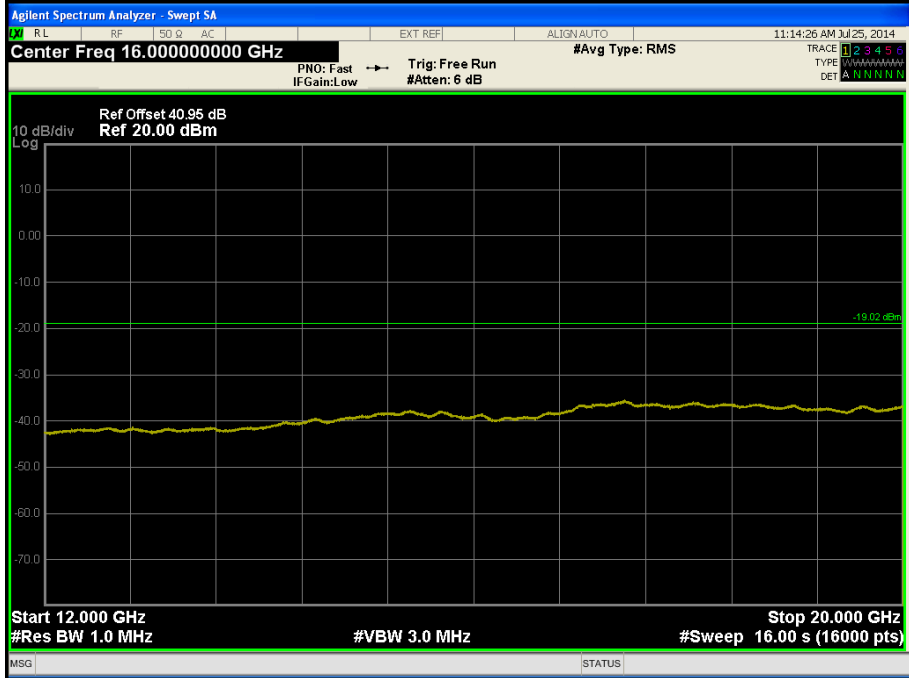
Channel Position B - Carrier Bandwidth 20.0 MHz - Band 1 - Range 0.009 to 3500 MHz – Antenna Port A



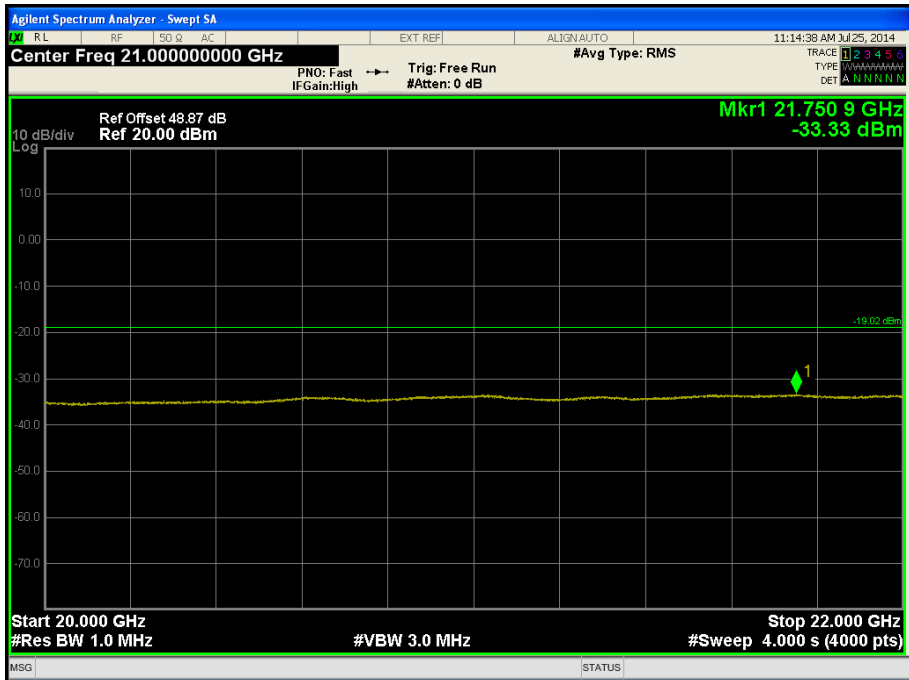
Channel Position B - Carrier Bandwidth 20.0 MHz - Band 2 - Range 3500 to 12000 MHz – Antenna Port A



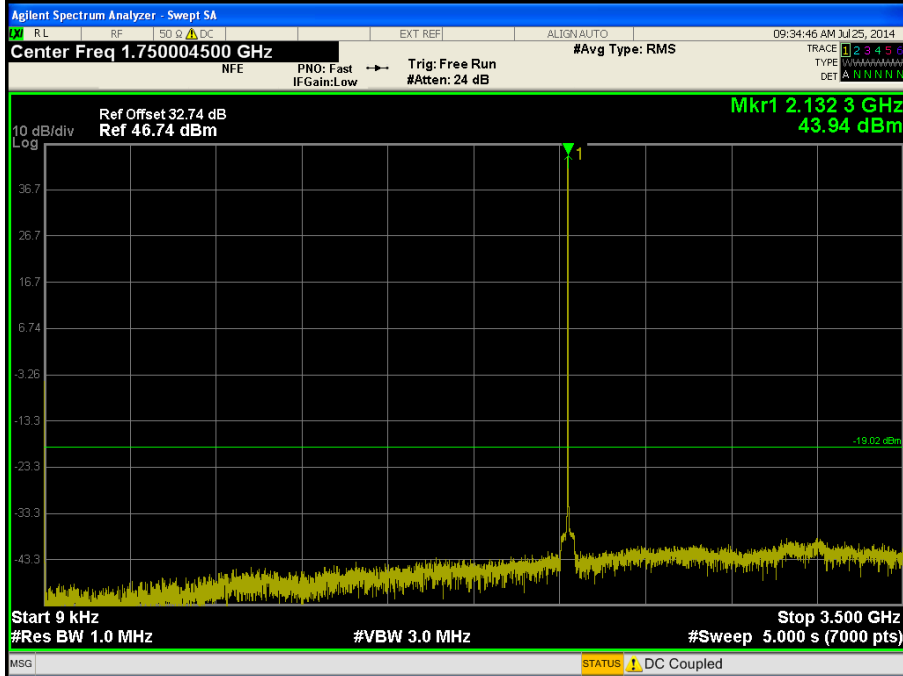
Channel Position B - Carrier Bandwidth 20.0 MHz - Band 3 - Range 12000 to 20000 MHz – Antenna Port A



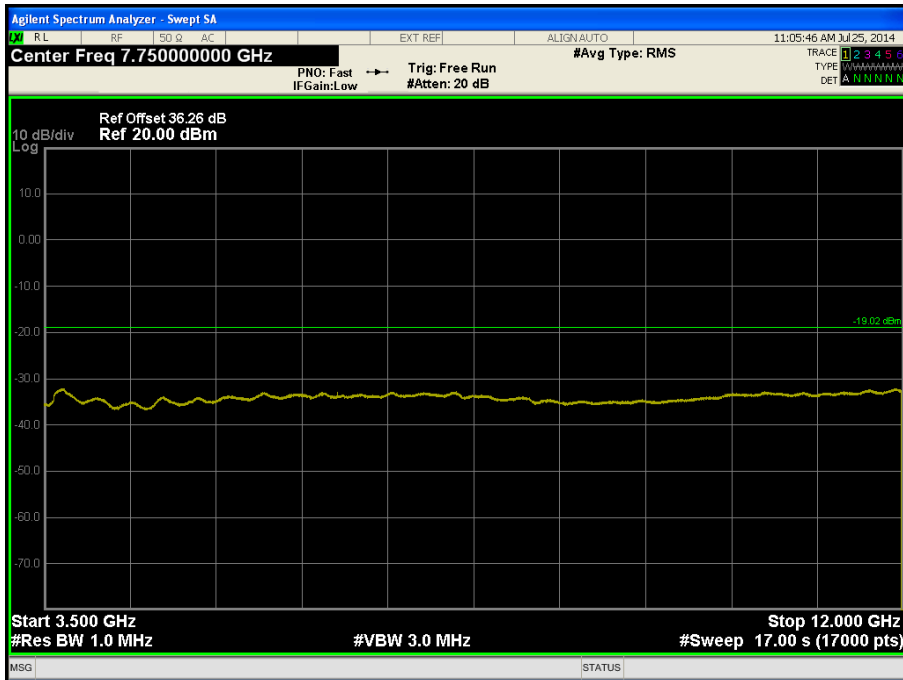
Channel Position B - Carrier Bandwidth 20.0 MHz - Band 4 - Range 20000 to 22000 MHz – Antenna Port A



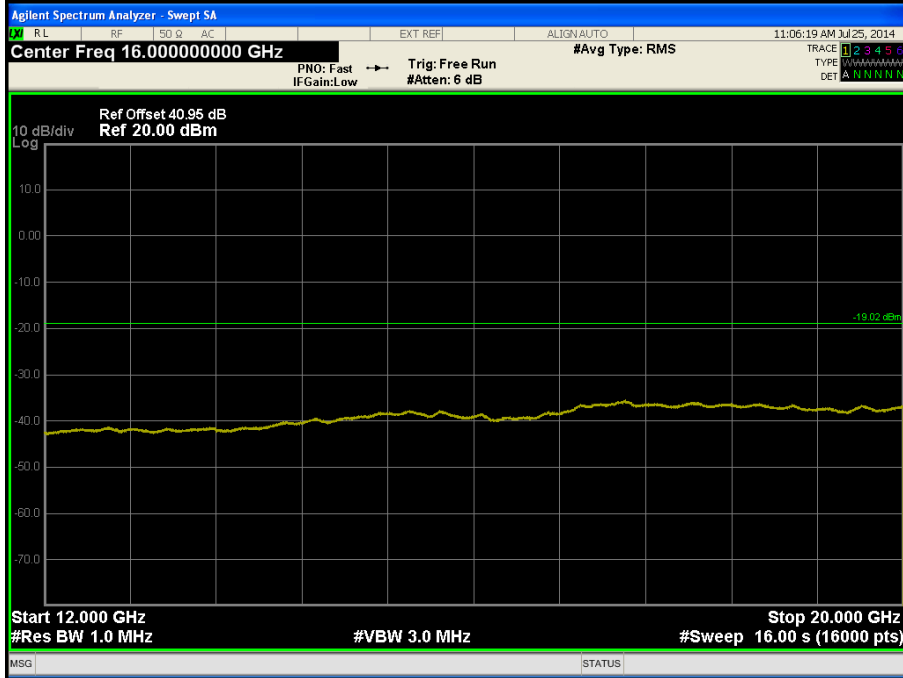
Channel Position M - Carrier Bandwidth 1.4 MHz - Band 1 - Range 0.009 to 3500 MHz – Antenna Port A



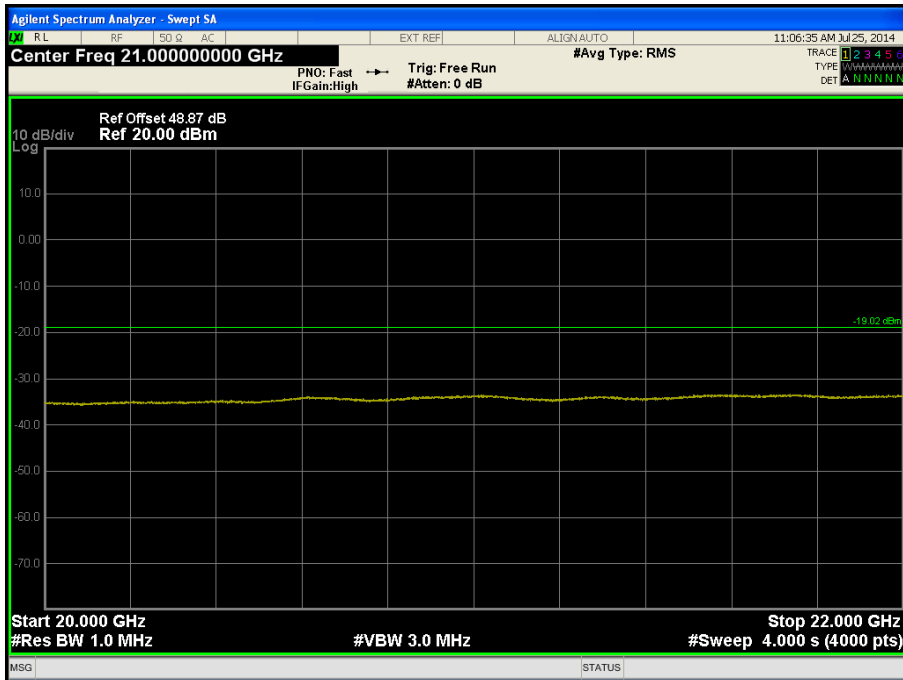
Channel Position M - Carrier Bandwidth 1.4 MHz - Band 2 - Range 3500 to 12000 MHz – Antenna Port A



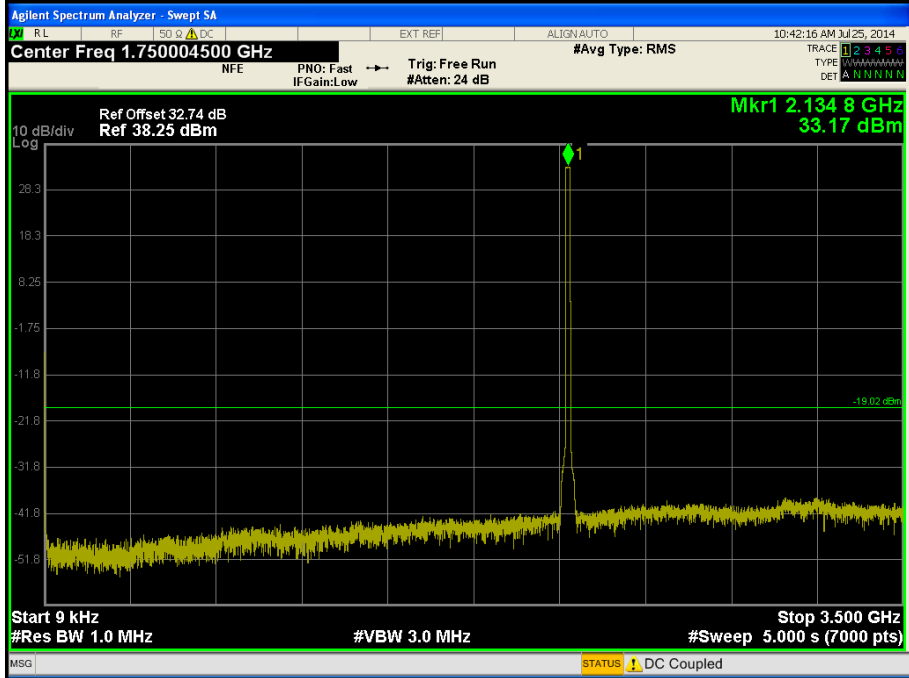
Channel Position M - Carrier Bandwidth 1.4 MHz - Band 3 - Range 12000 to 20000 MHz – Antenna Port A



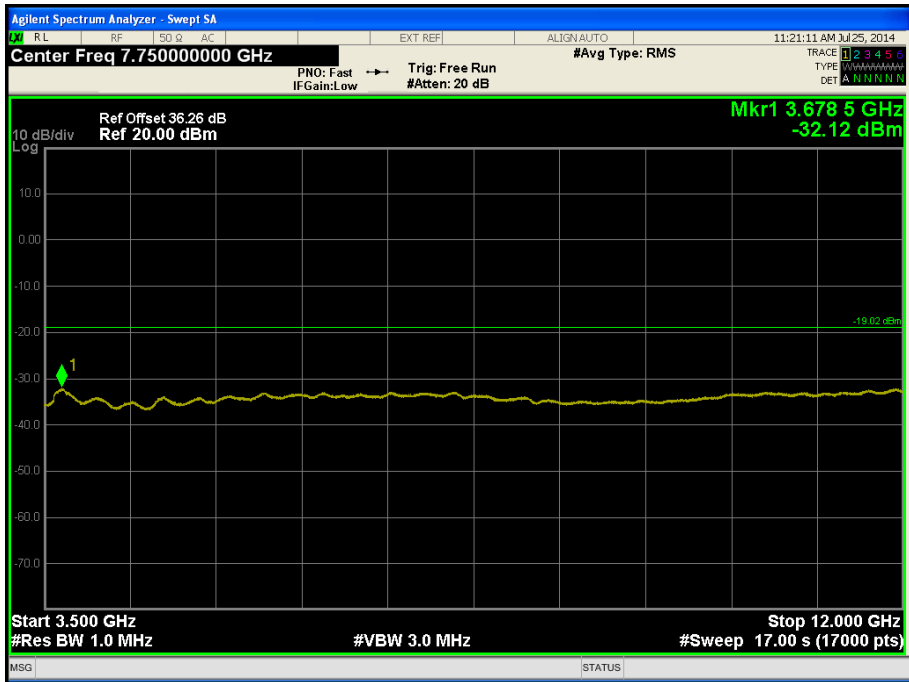
Channel Position M - Carrier Bandwidth 1.4 MHz - Band 4 - Range 20000 to 22000 MHz – Antenna Port A



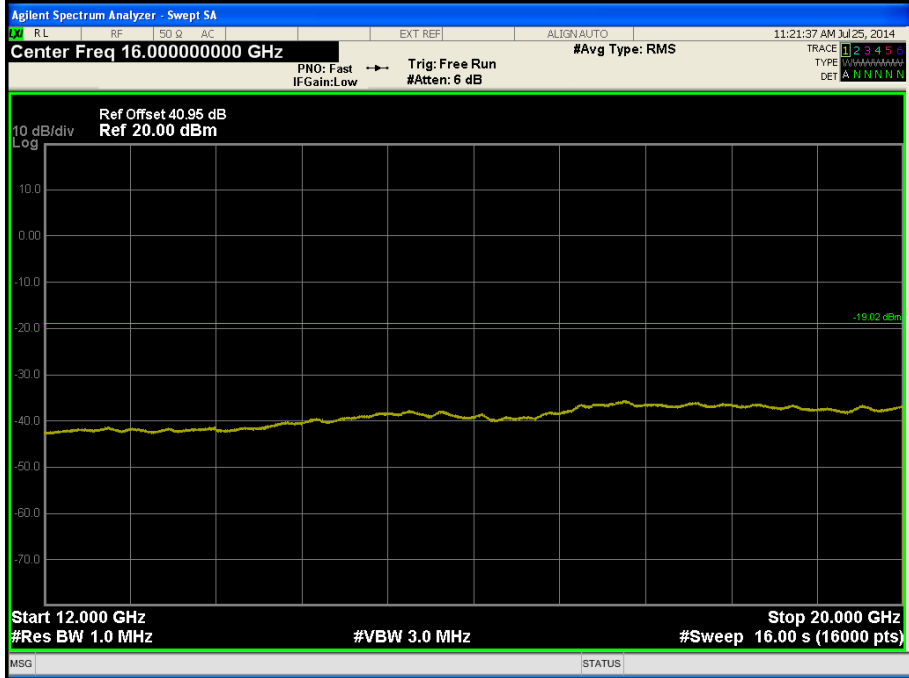
Channel Position M - Carrier Bandwidth 20.0 MHz - Band 1 - Range 0.009 to 3500 MHz – Antenna Port A



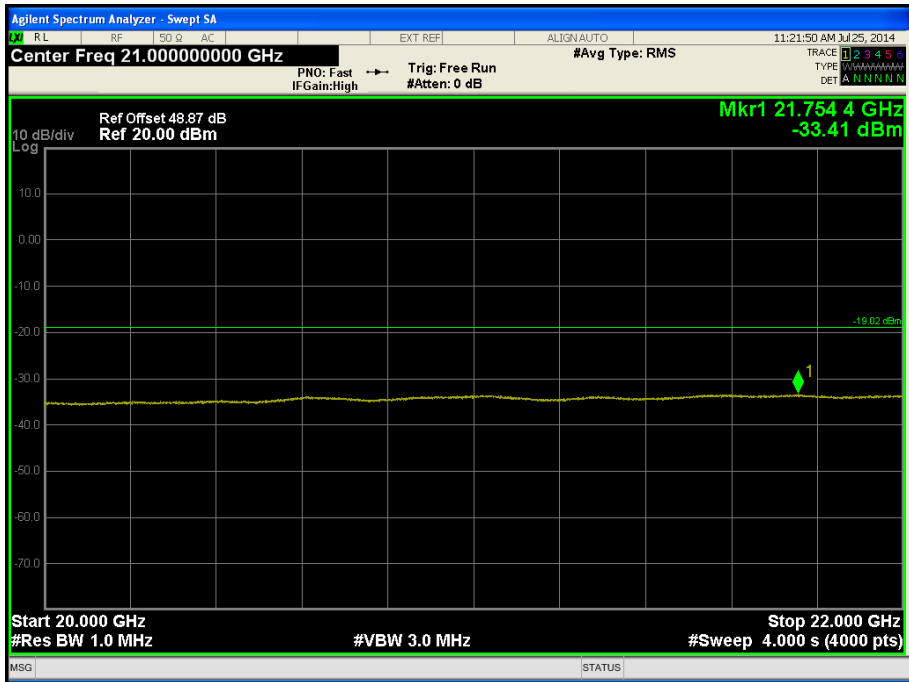
Channel Position M - Carrier Bandwidth 20.0 MHz - Band 2 - Range 3500 to 12000 MHz – Antenna Port A



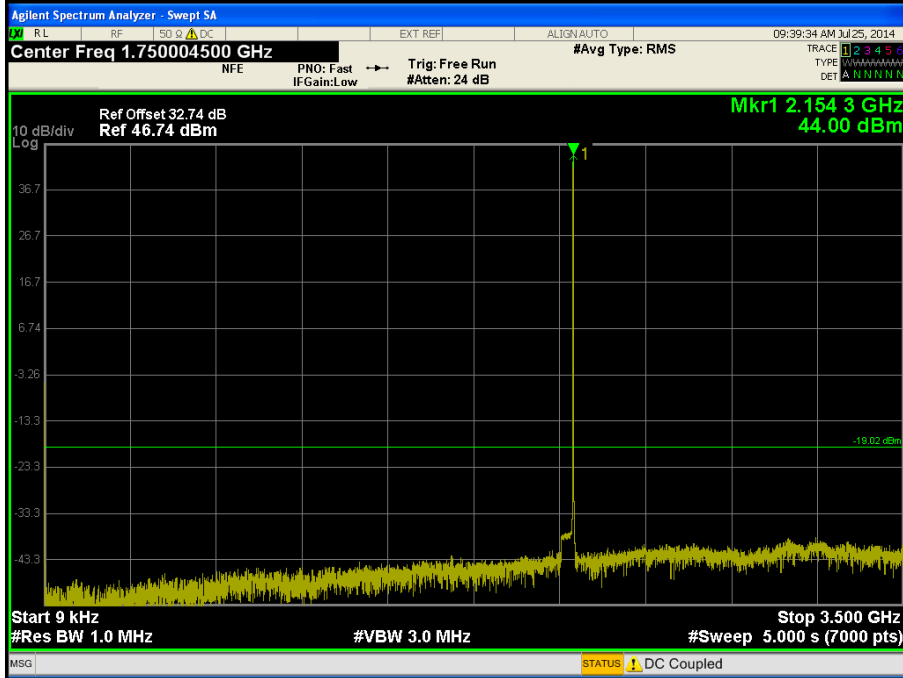
Channel Position M - Carrier Bandwidth 20.0 MHz - Band 3 - Range 12000 to 20000 MHz – Antenna Port A



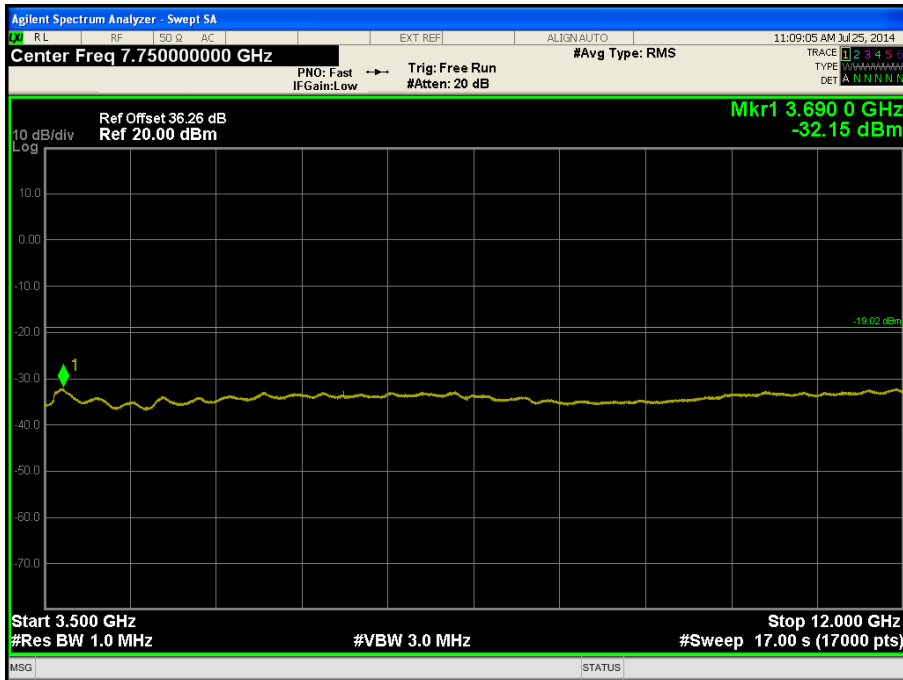
Channel Position M - Carrier Bandwidth 20.0 MHz - Band 4 - Range 20000 to 22000 MHz – Antenna Port A



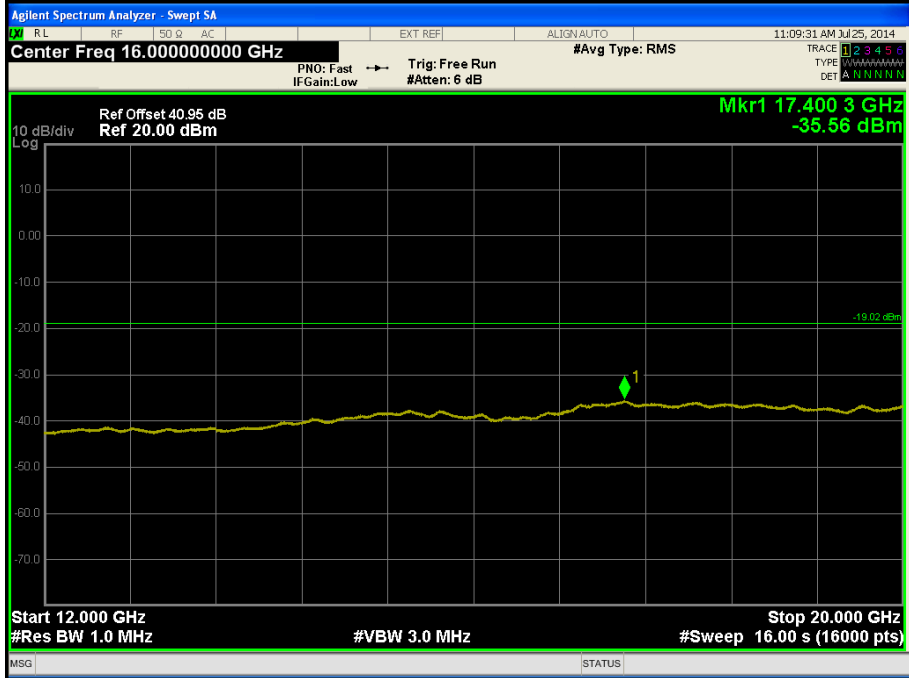
Channel Position T - Carrier Bandwidth 1.4 MHz - Band 1 - Range 0.009 to 3500 MHz – Antenna Port A



Channel Position T - Carrier Bandwidth 1.4 MHz - Band 2 - Range 3500 to 12000 MHz – Antenna Port A



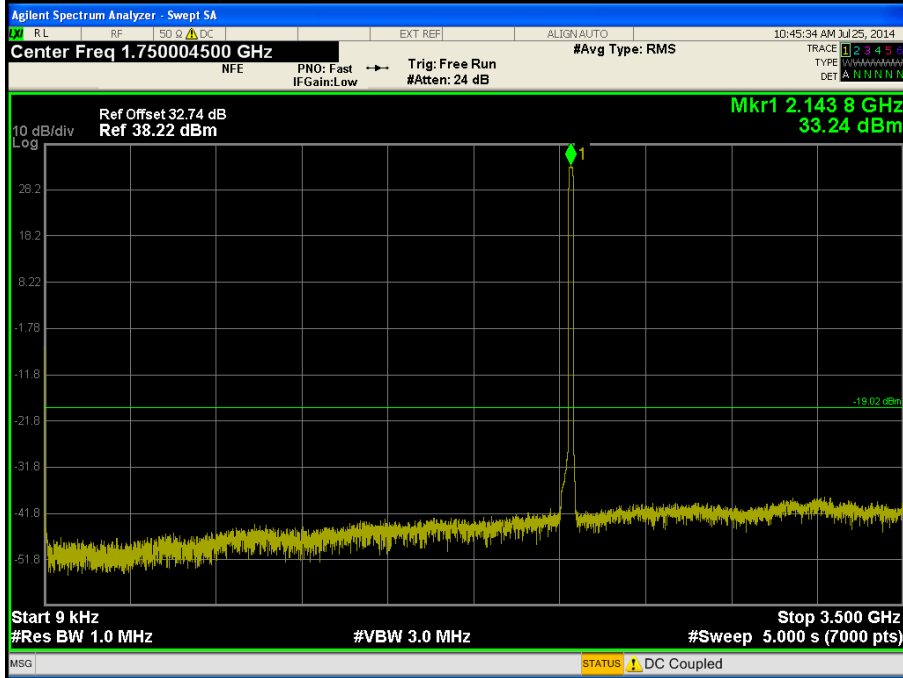
Channel Position T - Carrier Bandwidth 1.4 MHz - Band 3 - Range 12000 to 20000 MHz – Antenna Port A



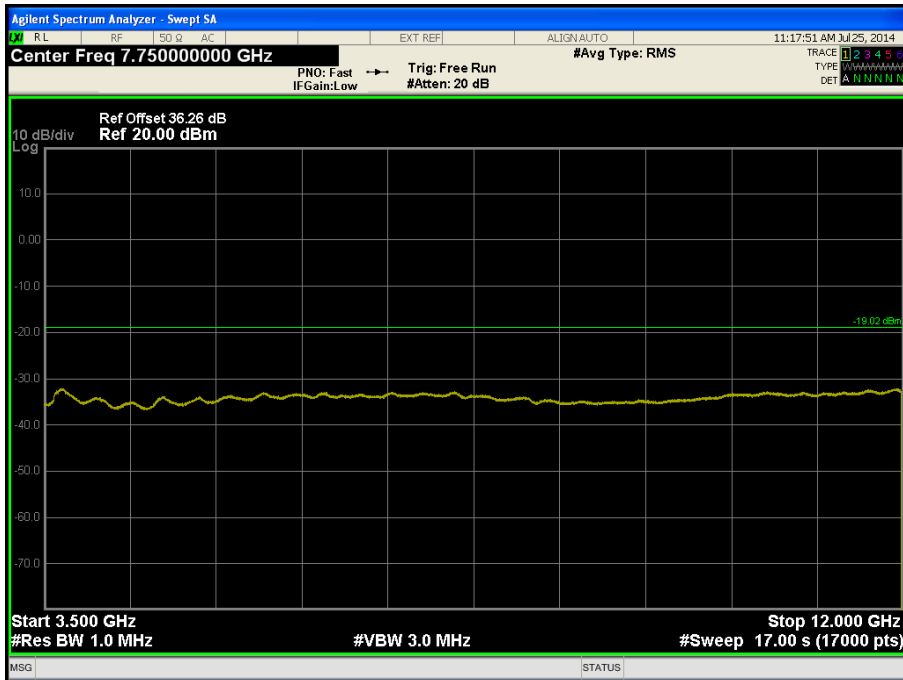
Channel Position T - Carrier Bandwidth 1.4 MHz - Band 4 - Range 20000 to 22000 MHz – Antenna Port A



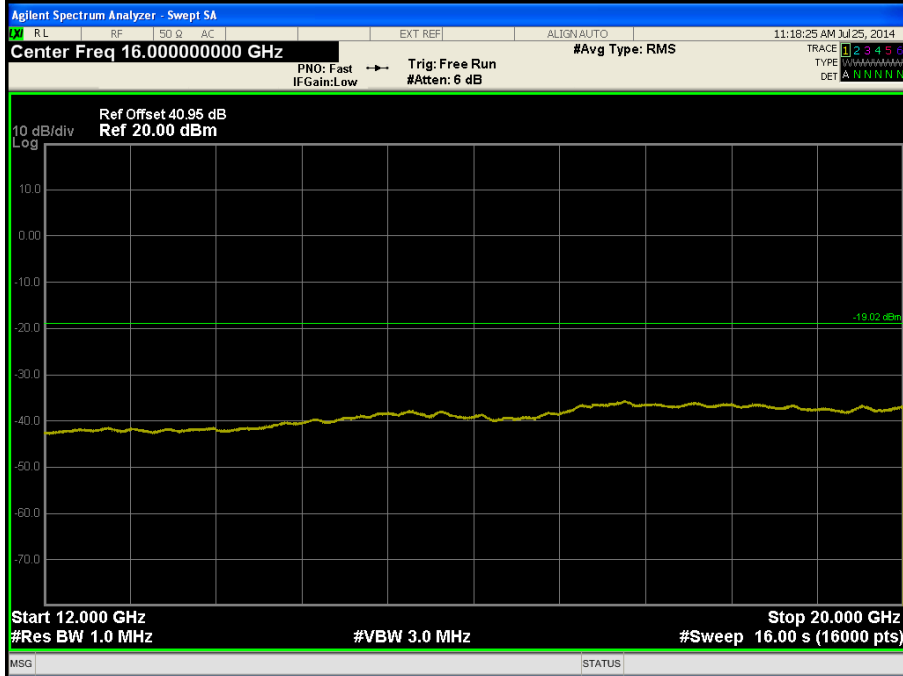
Channel Position T - Carrier Bandwidth 20.0 MHz - Band 1 - Range 0.009 to 3500 MHz – Antenna Port A



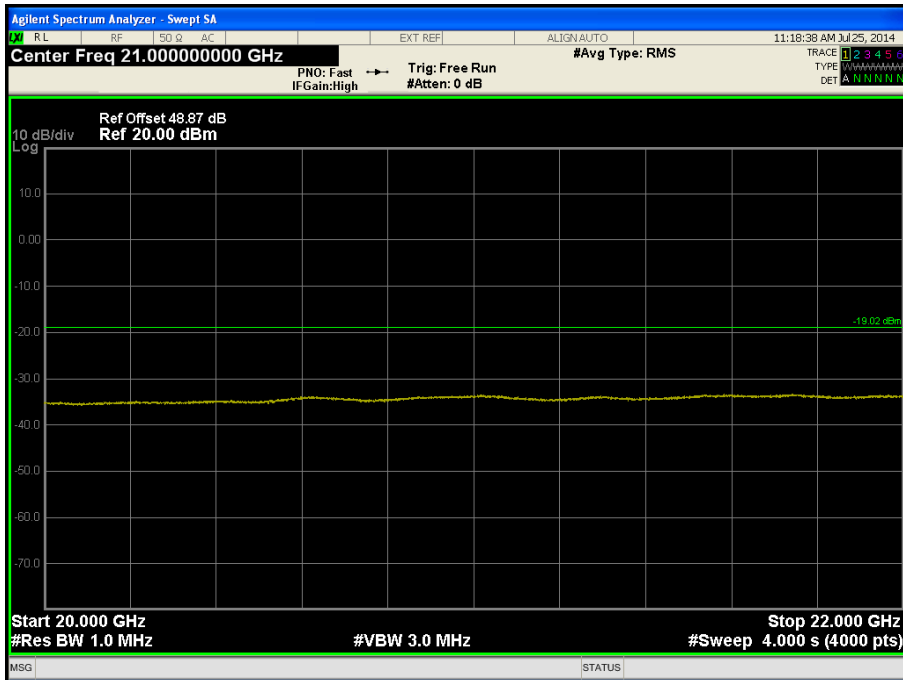
Channel Position T - Carrier Bandwidth 20.0 MHz - Band 2 - Range 3500 to 12000 MHz – Antenna Port A



Channel Position T - Carrier Bandwidth 20.0 MHz - Band 3 - Range 12000 to 20000 MHz – Antenna Port A



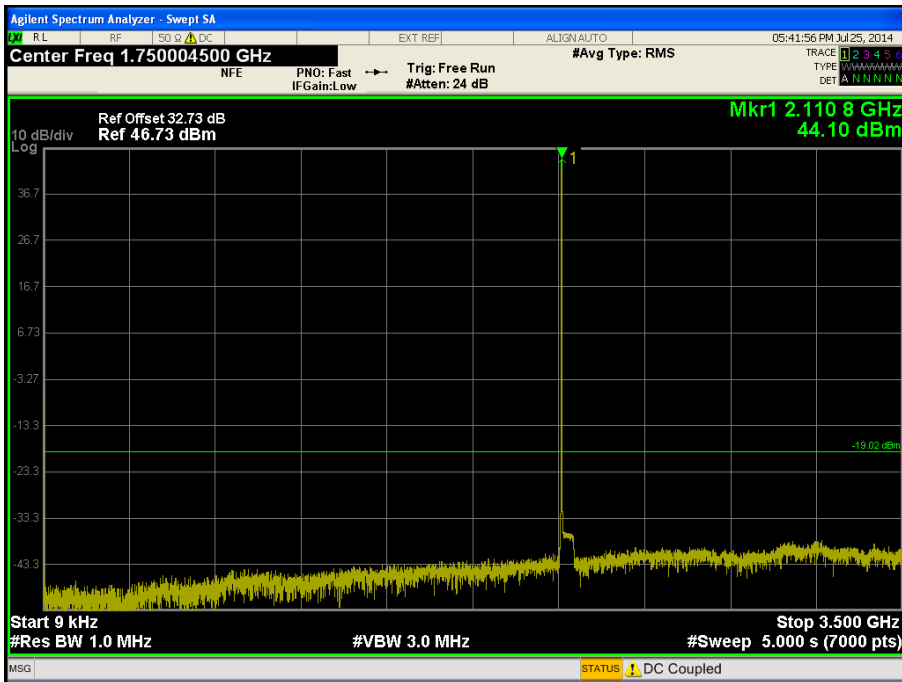
Channel Position T - Carrier Bandwidth 20.0 MHz - Band 4 - Range 20000 to 22000 MHz – Antenna Port A



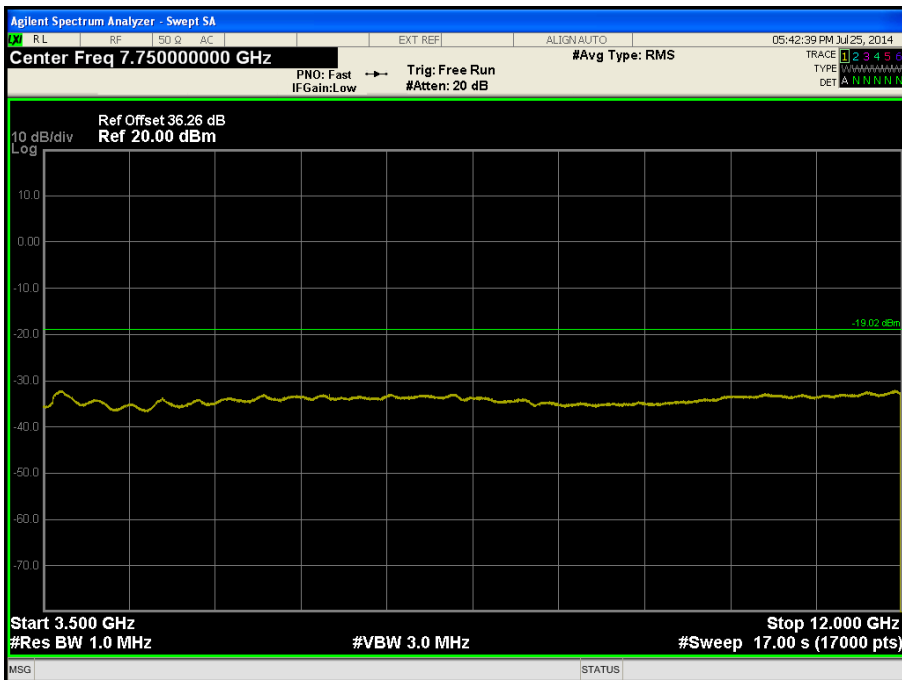
Configuration LTE (See Table 1 for carrier frequency)

Maximum Output Power 44.77 dBm per carrier, Test Model 1.1 - Antenna Port B

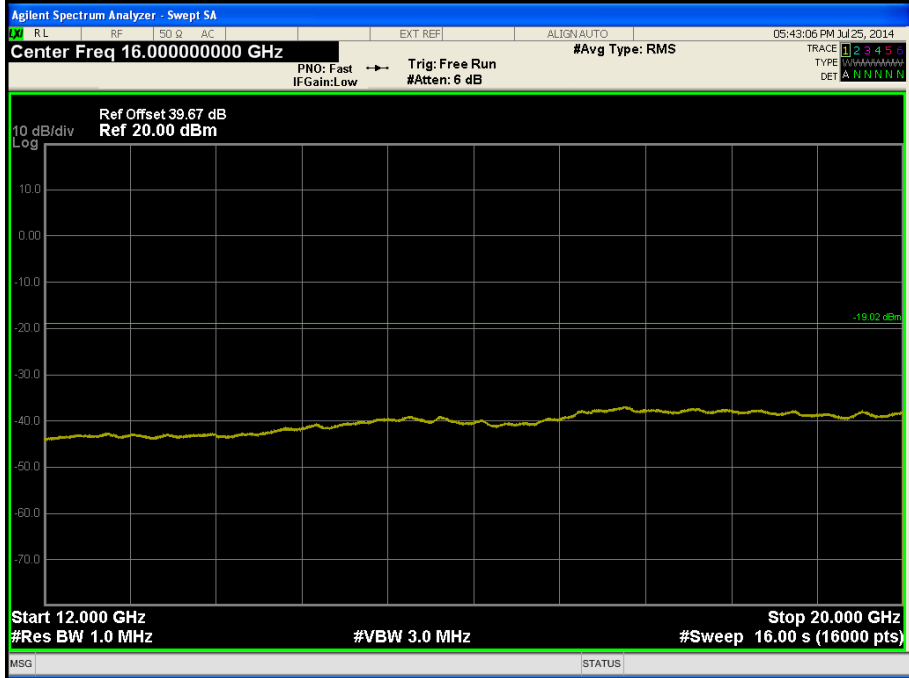
Channel Position B - Carrier Bandwidth 1.4 MHz - Band 1 - Range 0.009 to 3500 MHz – Antenna Port B



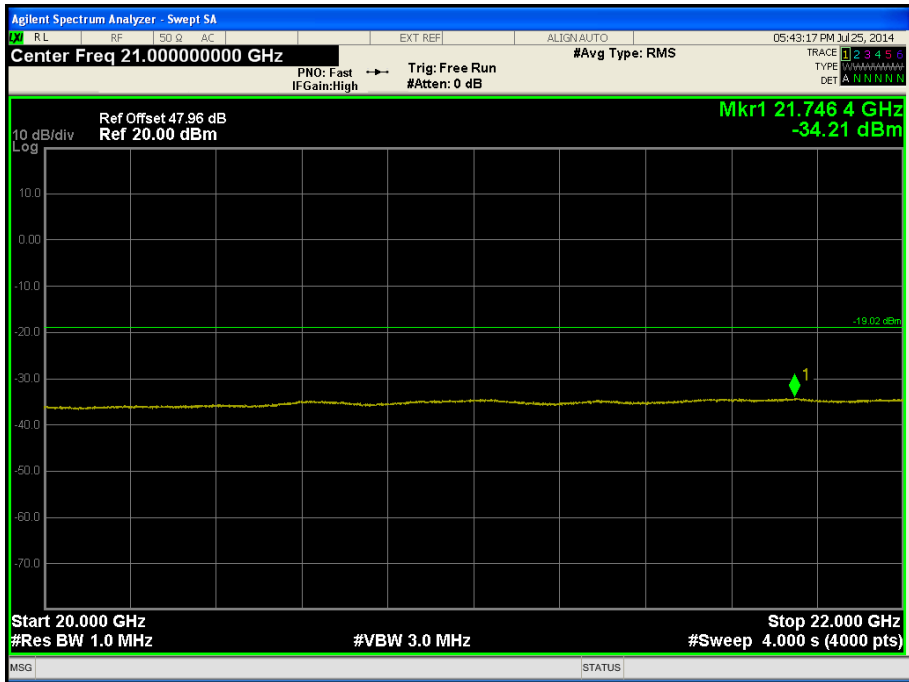
Channel Position B - Carrier Bandwidth 1.4 MHz - Band 2 - Range 3500 to 12000 MHz – Antenna Port B



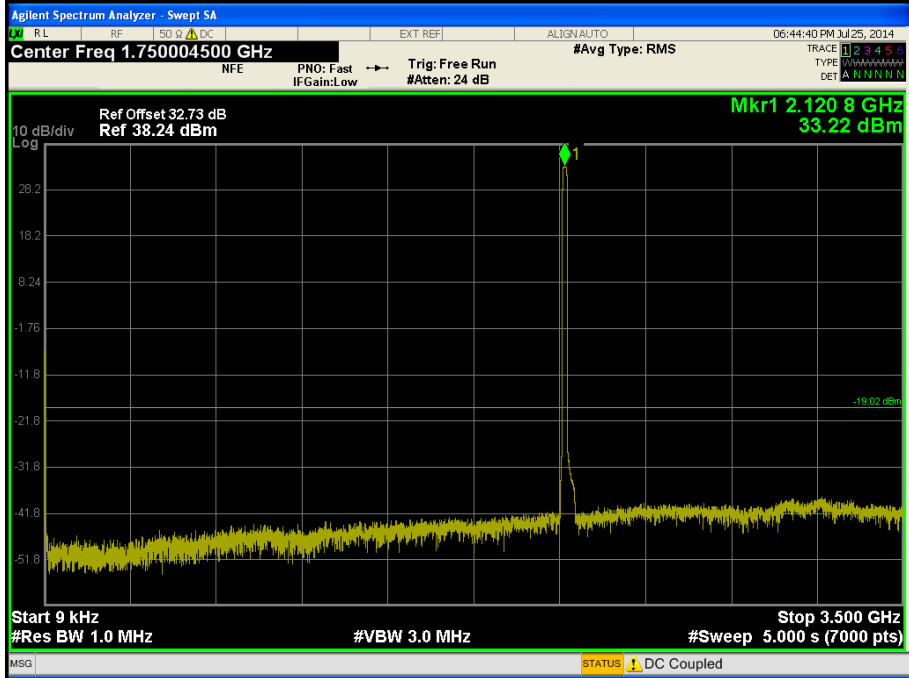
Channel Position B - Carrier Bandwidth 1.4 MHz - Band 3 - Range 12000 to 20000 MHz – Antenna Port B



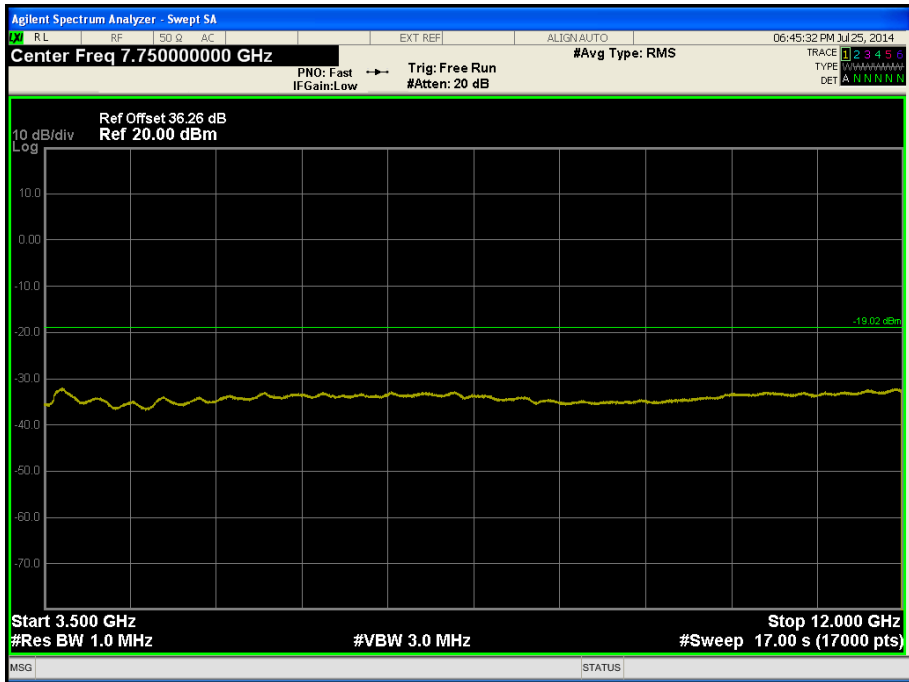
Channel Position B - Carrier Bandwidth 1.4 MHz - Band 4 - Range 20000 to 22000 MHz – Antenna Port B



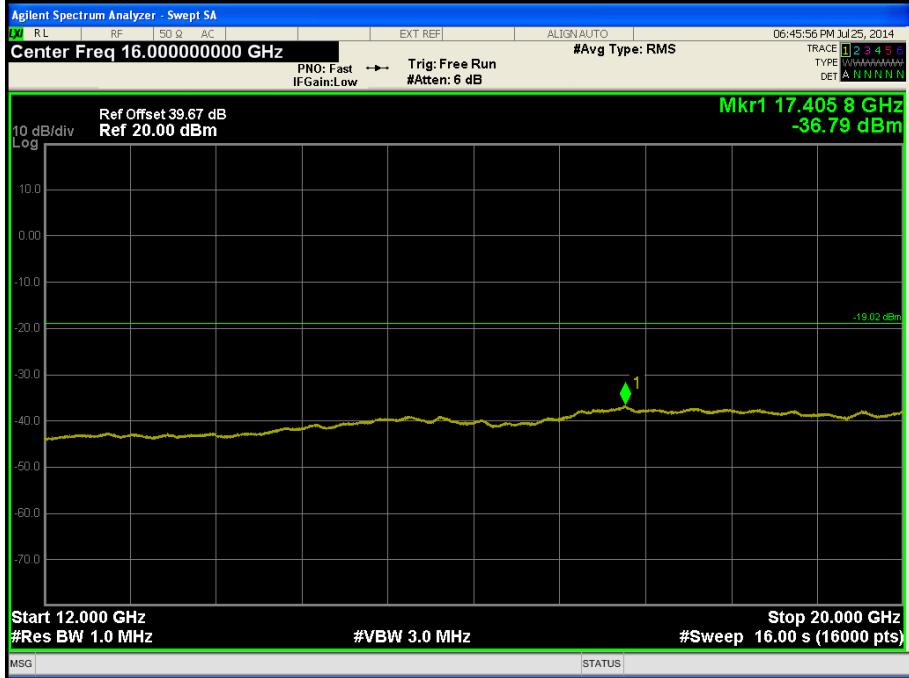
Channel Position B - Carrier Bandwidth 20.0 MHz - Band 1 - Range 0.009 to 3500 MHz – Antenna Port B



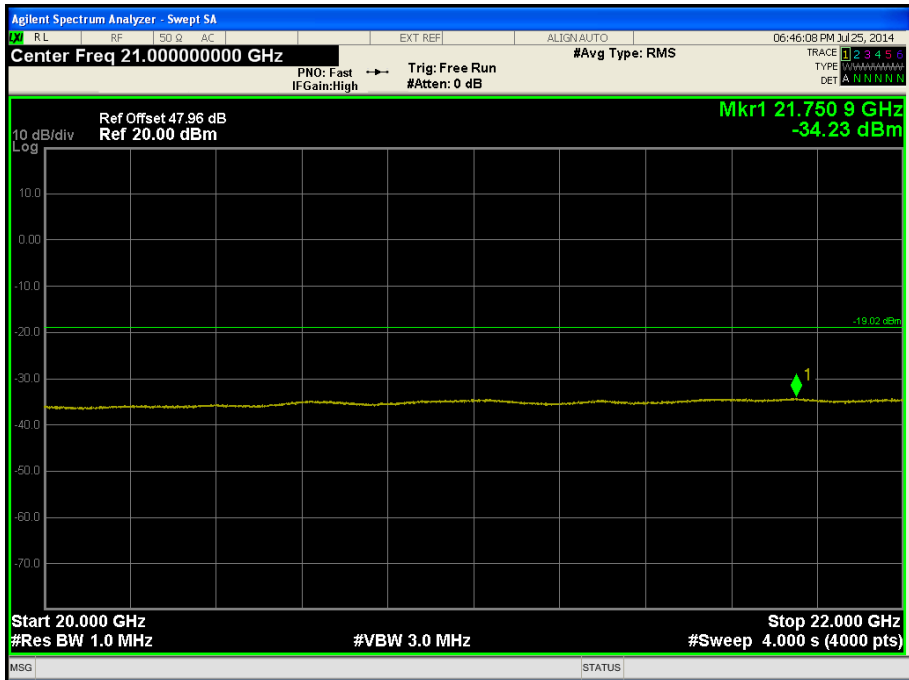
Channel Position B - Carrier Bandwidth 20.0 MHz - Band 2 - Range 3500 to 12000 MHz – Antenna Port B



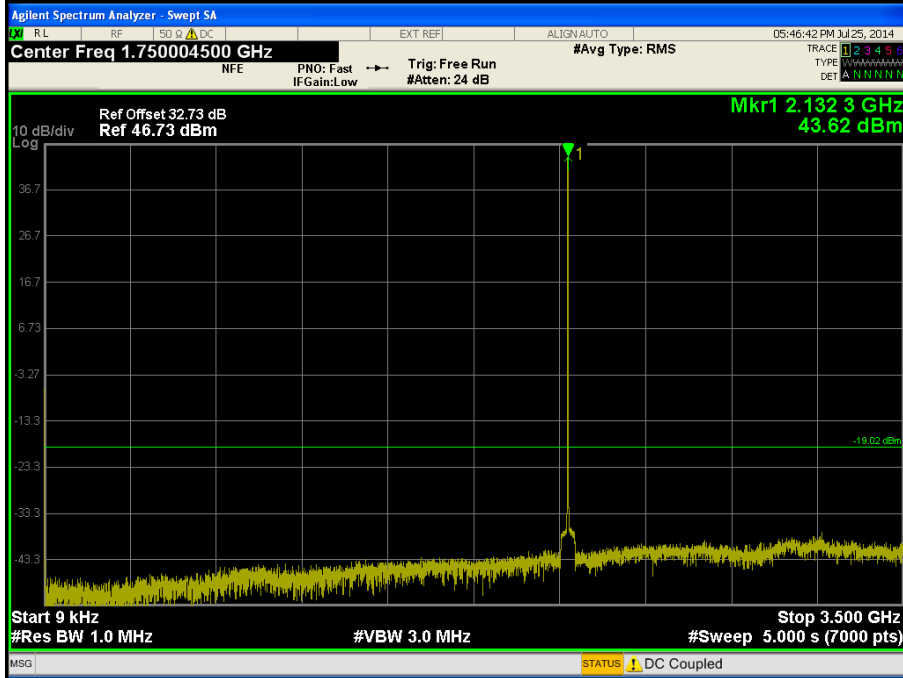
Channel Position B - Carrier Bandwidth 20.0 MHz - Band 3 - Range 12000 to 20000 MHz – Antenna Port B



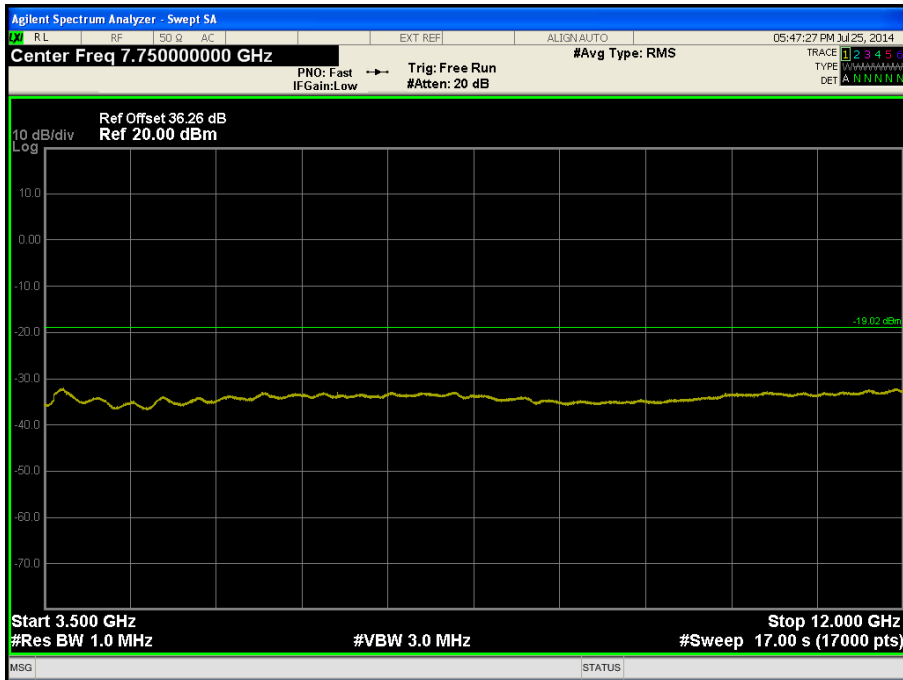
Channel Position B - Carrier Bandwidth 20.0 MHz - Band 4 - Range 20000 to 22000 MHz – Antenna Port B



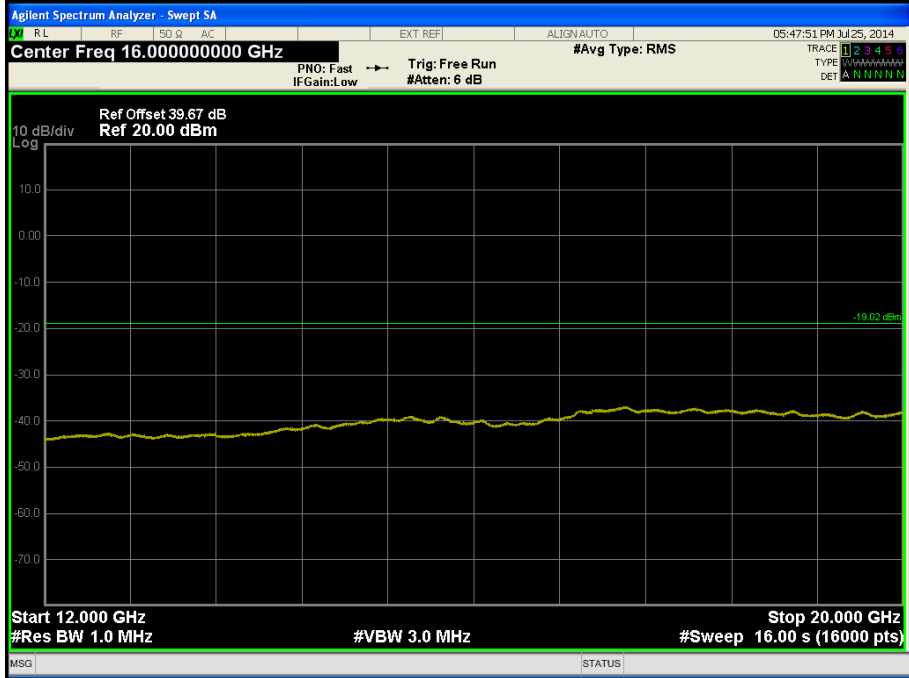
Channel Position M - Carrier Bandwidth 1.4 MHz - Band 1 - Range 0.009 to 3500 MHz – Antenna Port B



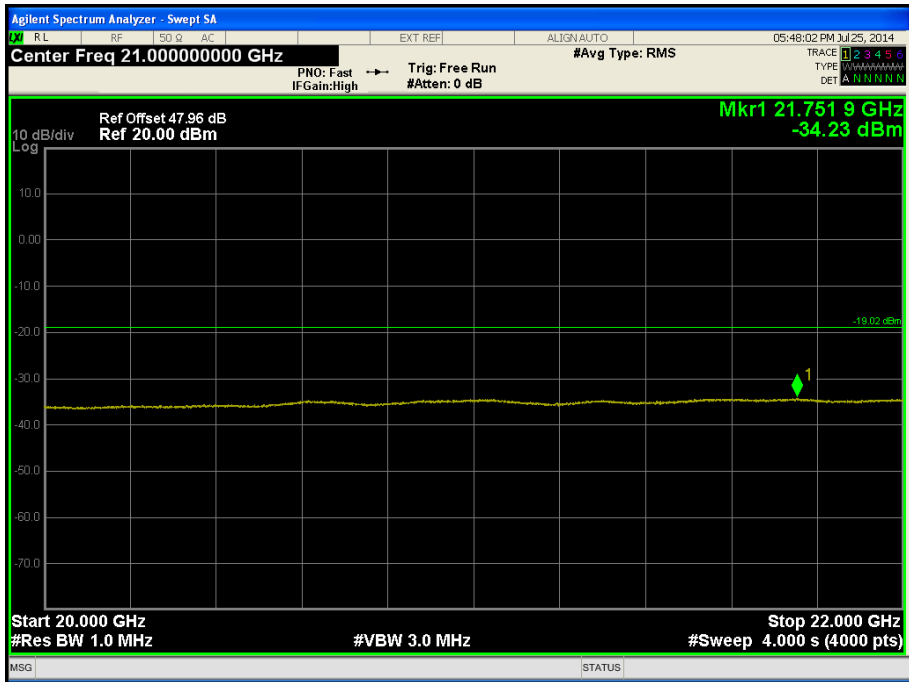
Channel Position M - Carrier Bandwidth 1.4 MHz - Band 2 - Range 3500 to 12000 MHz – Antenna Port B



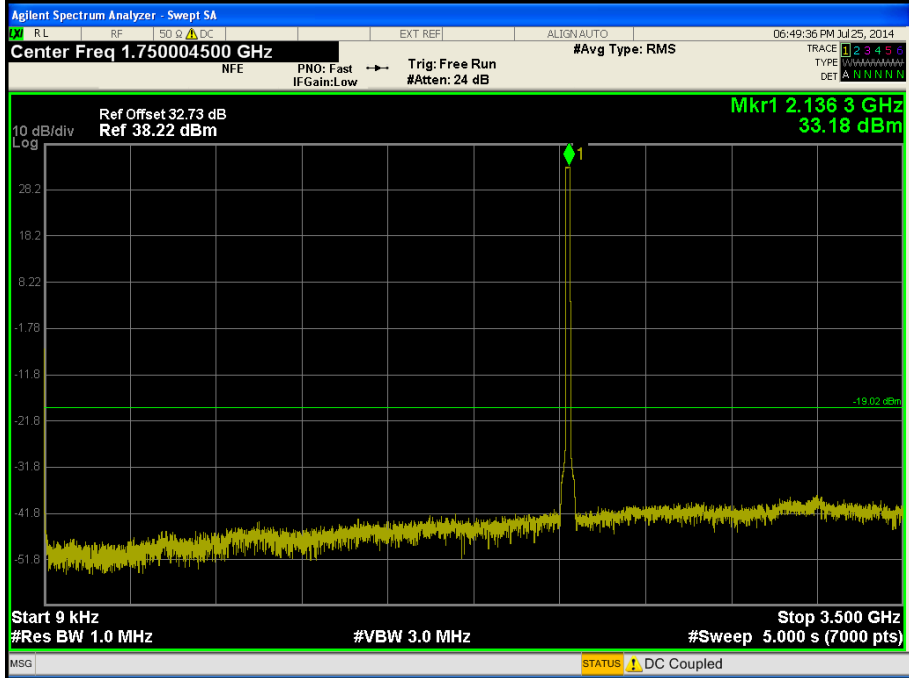
Channel Position M - Carrier Bandwidth 1.4 MHz - Band 3 - Range 12000 to 20000 MHz – Antenna Port B



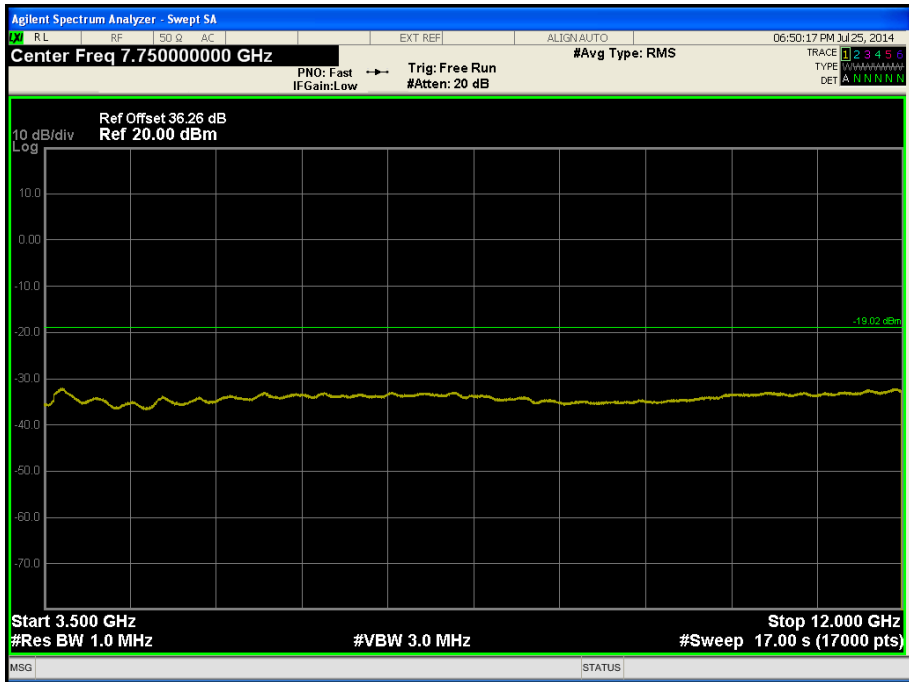
Channel Position M - Carrier Bandwidth 1.4 MHz - Band 4 - Range 20000 to 22000 MHz – Antenna Port B



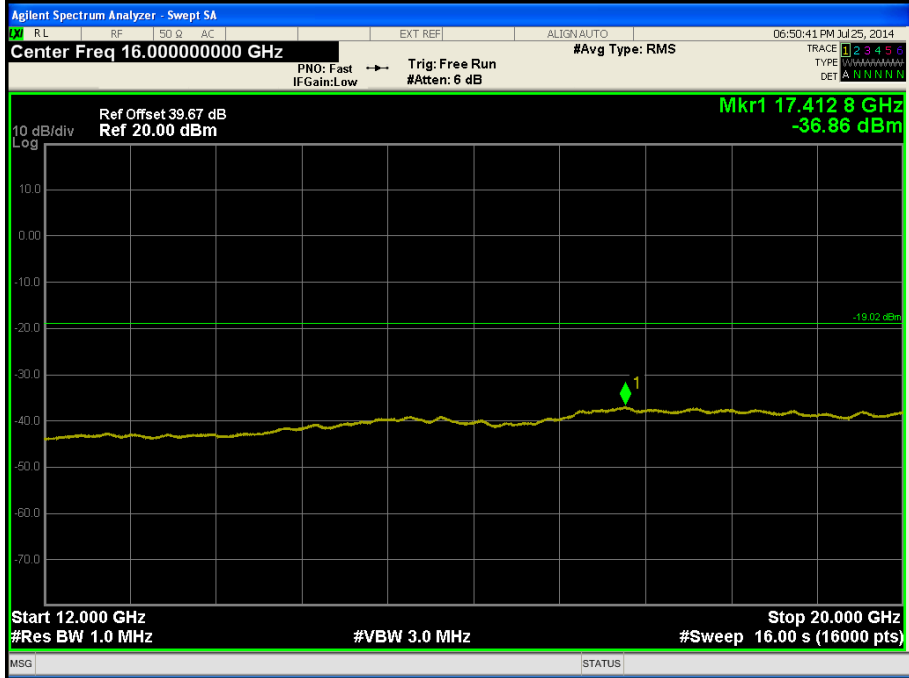
Channel Position M - Carrier Bandwidth 20.0 MHz - Band 1 - Range 0.009 to 3500 MHz – Antenna Port B



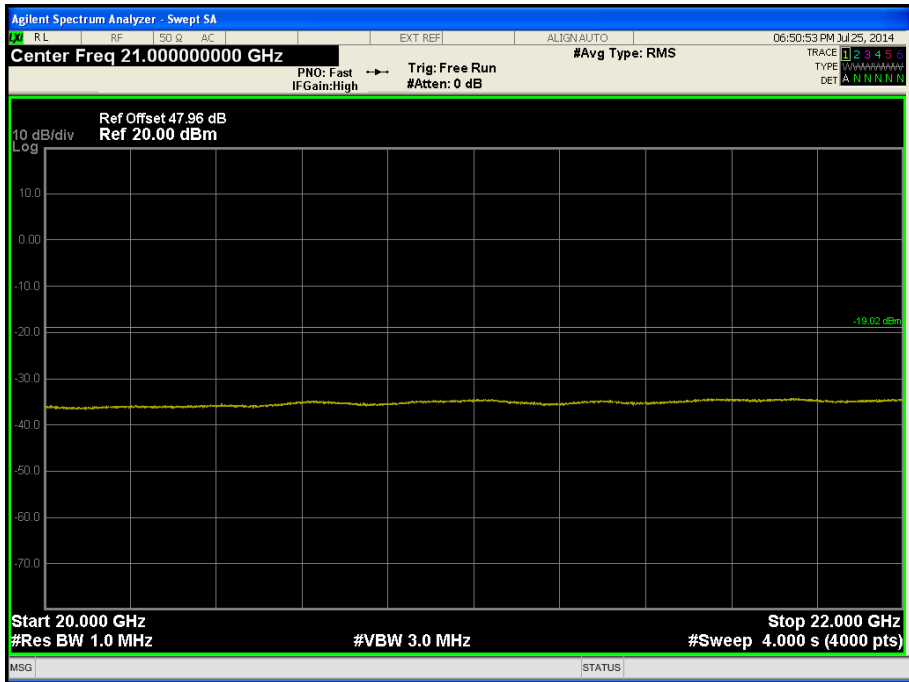
Channel Position M - Carrier Bandwidth 20.0 MHz - Band 2 - Range 3500 to 12000 MHz – Antenna Port B



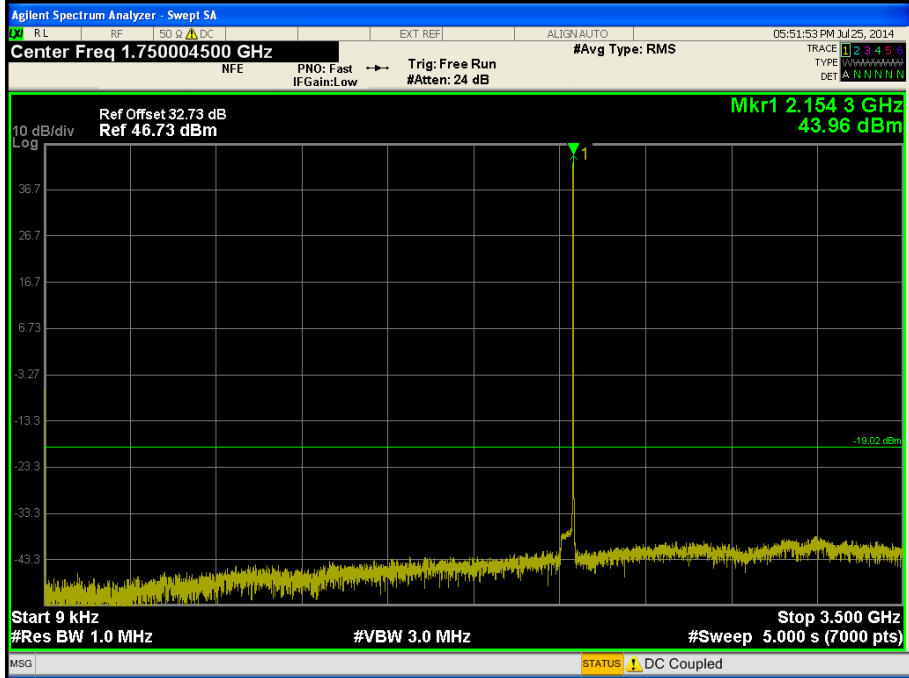
Channel Position M - Carrier Bandwidth 20.0 MHz - Band 3 - Range 12000 to 20000 MHz – Antenna Port B



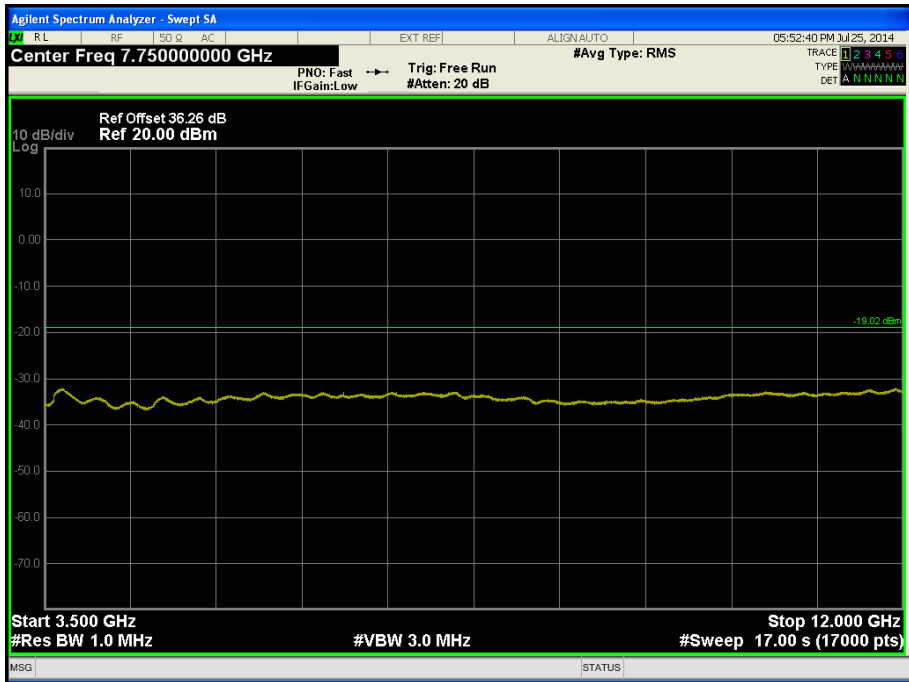
Channel Position M - Carrier Bandwidth 20.0 MHz - Band 4 - Range 20000 to 22000 MHz – Antenna Port B



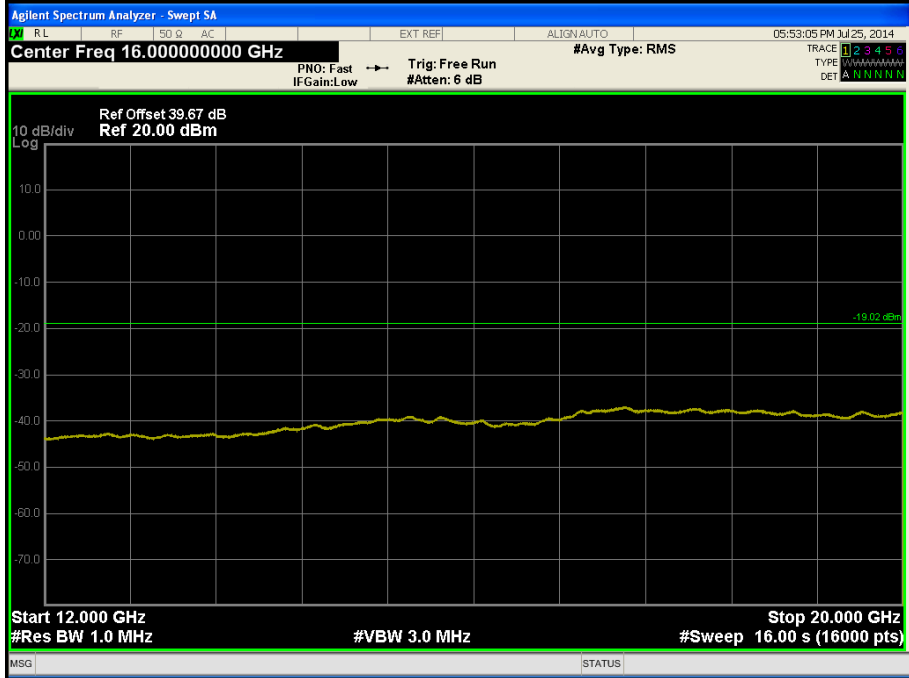
Channel Position T - Carrier Bandwidth 1.4 MHz - Band 1 - Range 0.009 to 3500 MHz – Antenna Port B



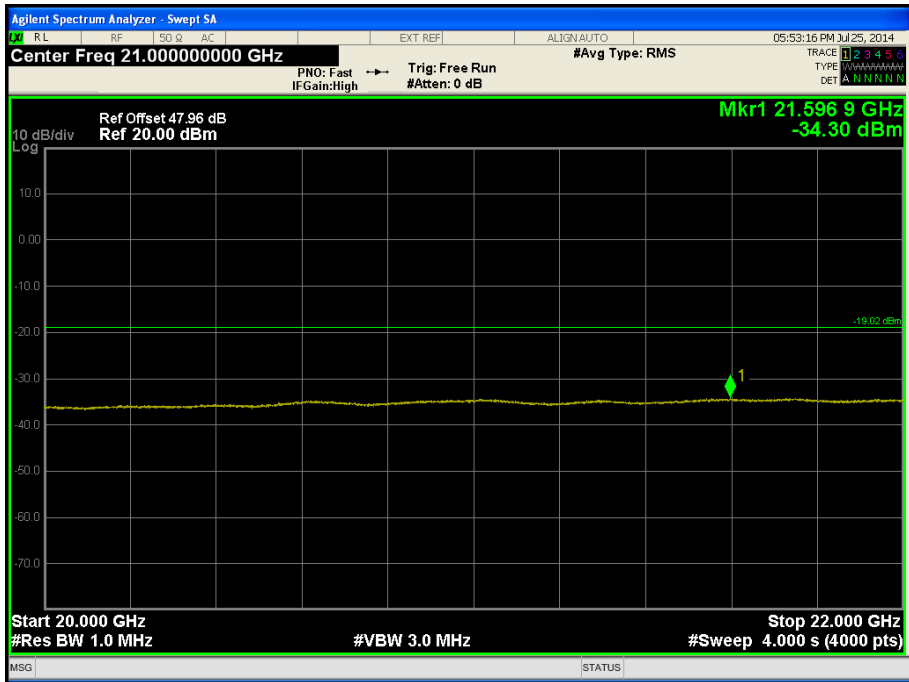
Channel Position T - Carrier Bandwidth 1.4 MHz - Band 2 - Range 3500 to 12000 MHz – Antenna Port B



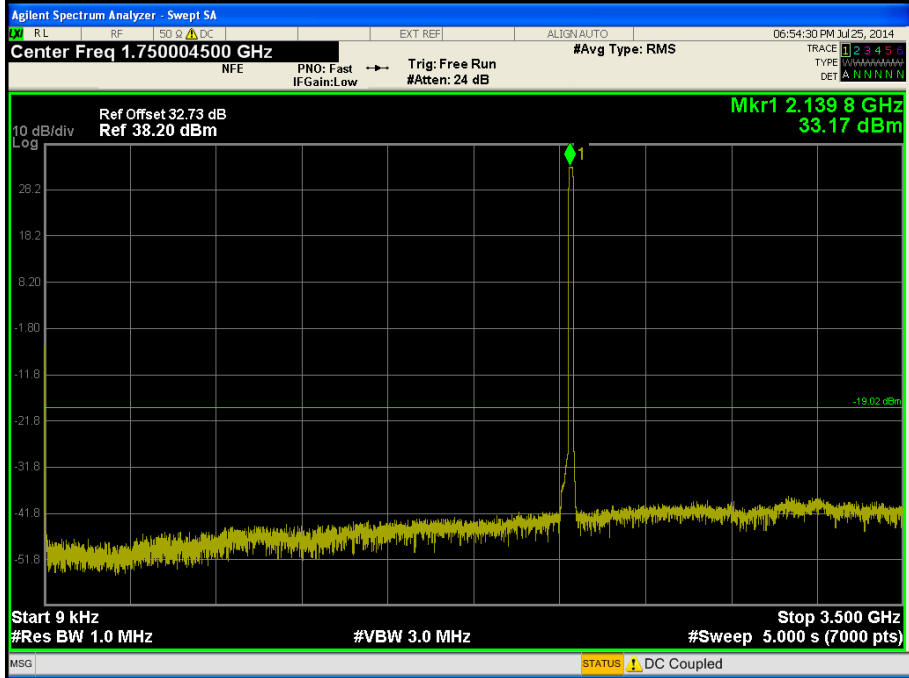
Channel Position T - Carrier Bandwidth 1.4 MHz - Band 3 - Range 12000 to 20000 MHz – Antenna Port B



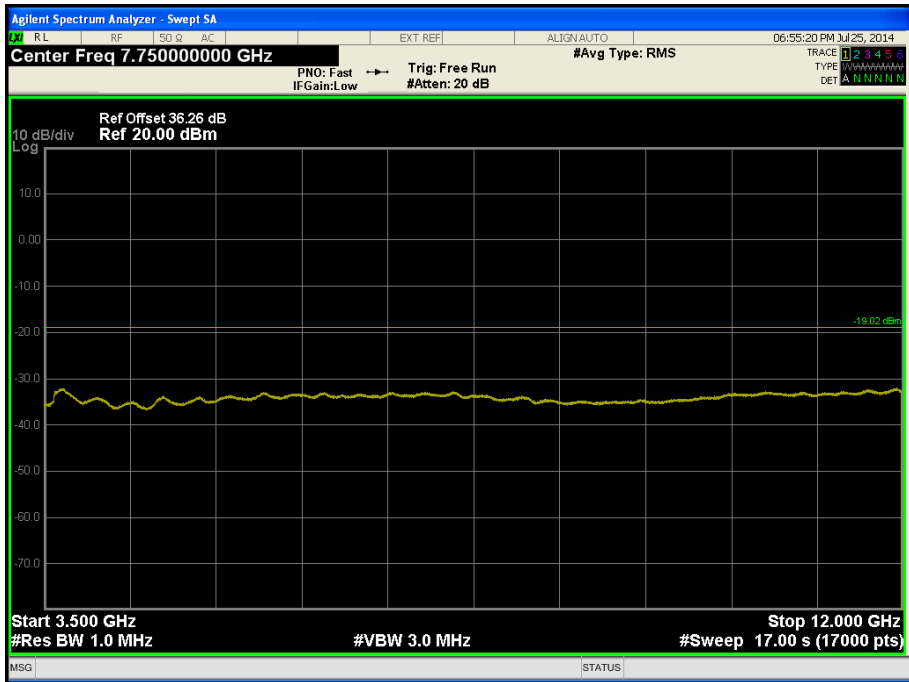
Channel Position T - Carrier Bandwidth 1.4 MHz - Band 4 - Range 20000 to 22000 MHz – Antenna Port B



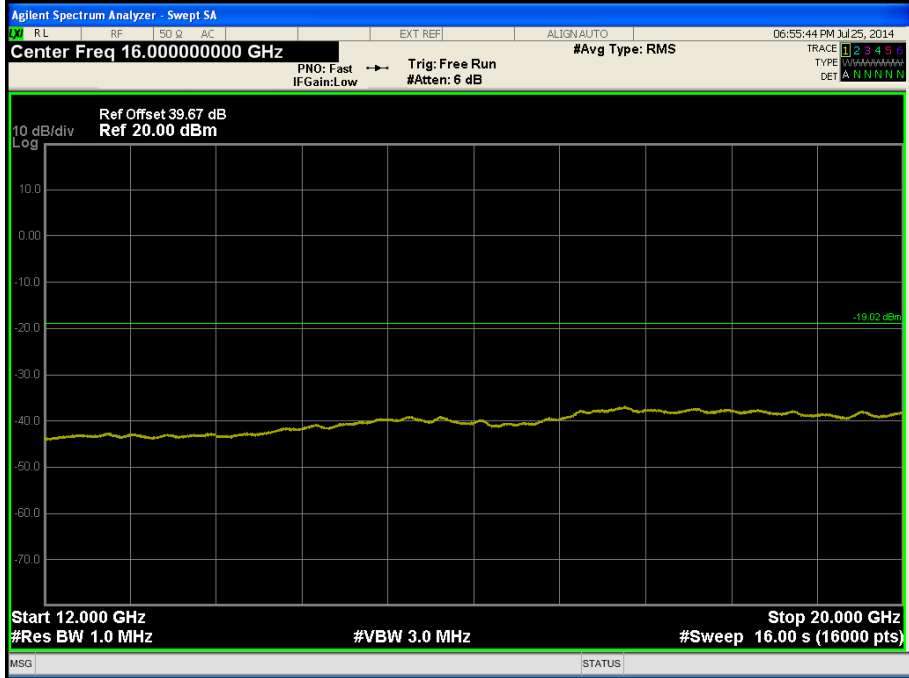
Channel Position T - Carrier Bandwidth 20.0 MHz - Band 1 - Range 0.009 to 3500 MHz – Antenna Port B



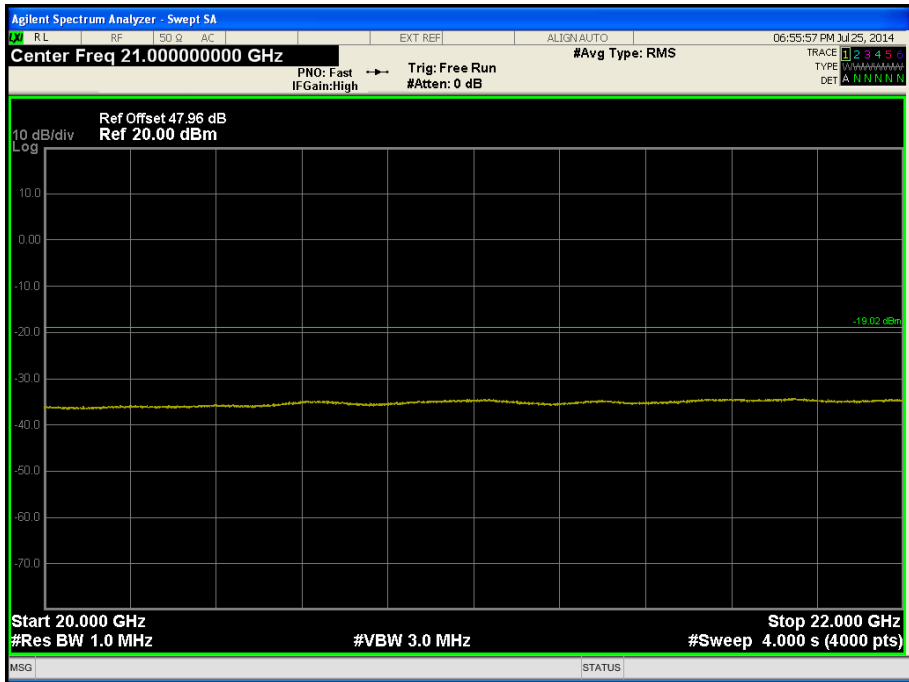
Channel Position T - Carrier Bandwidth 20.0 MHz - Band 2 - Range 3500 to 12000 MHz – Antenna Port B



Channel Position T - Carrier Bandwidth 20.0 MHz - Band 3 - Range 12000 to 20000 MHz – Antenna Port B



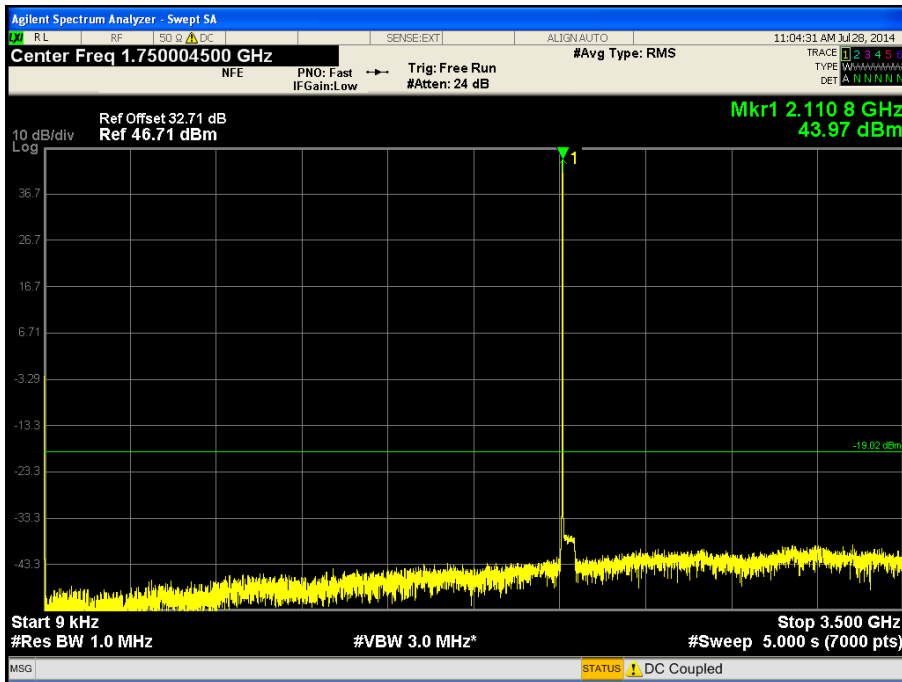
Channel Position T - Carrier Bandwidth 20.0 MHz - Band 4 - Range 20000 to 22000 MHz – Antenna Port B



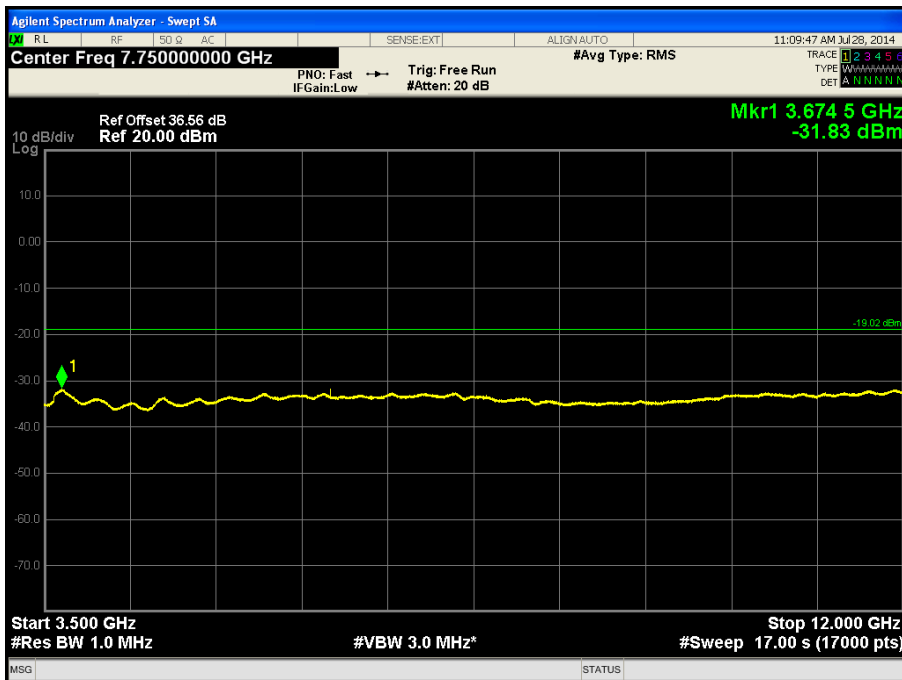
Configuration LTE (See Table 1 for carrier frequency)

Maximum Output Power 44.77 dBm per carrier, Test Model 1.1- Antenna Port C

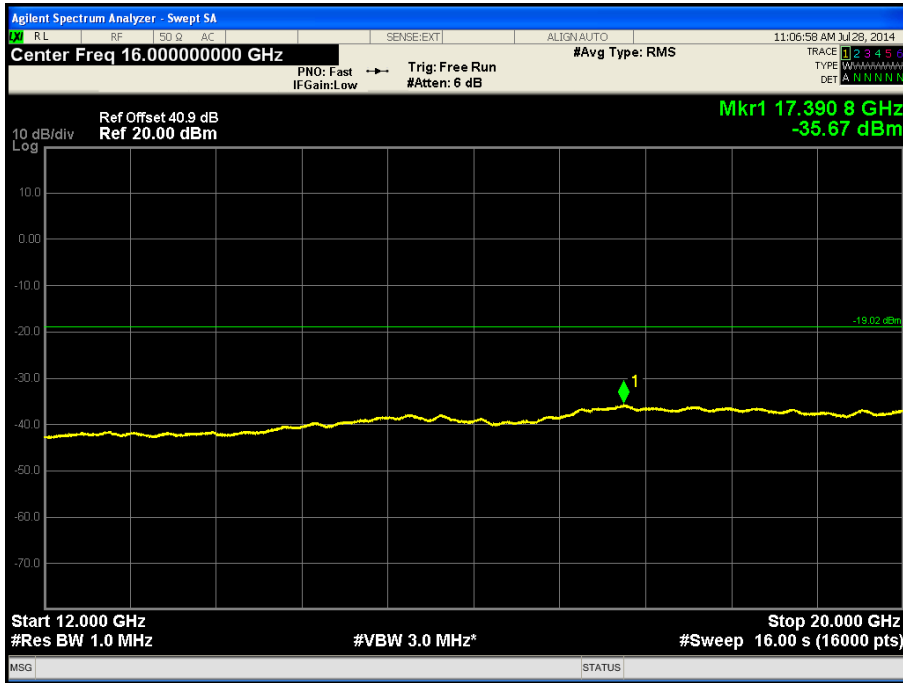
Channel Position B - Carrier Bandwidth 1.4 MHz - Band 1 - Range 0.009 to 3500 MHz – Antenna Port C



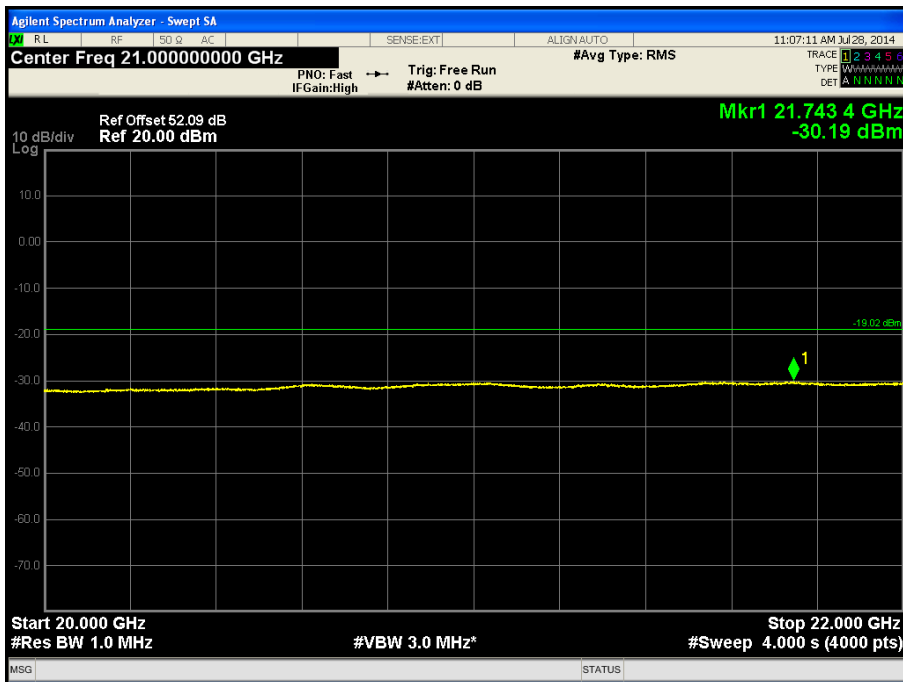
Channel Position B - Carrier Bandwidth 1.4 MHz - Band 2 - Range 3500 to 12000 MHz – Antenna Port C



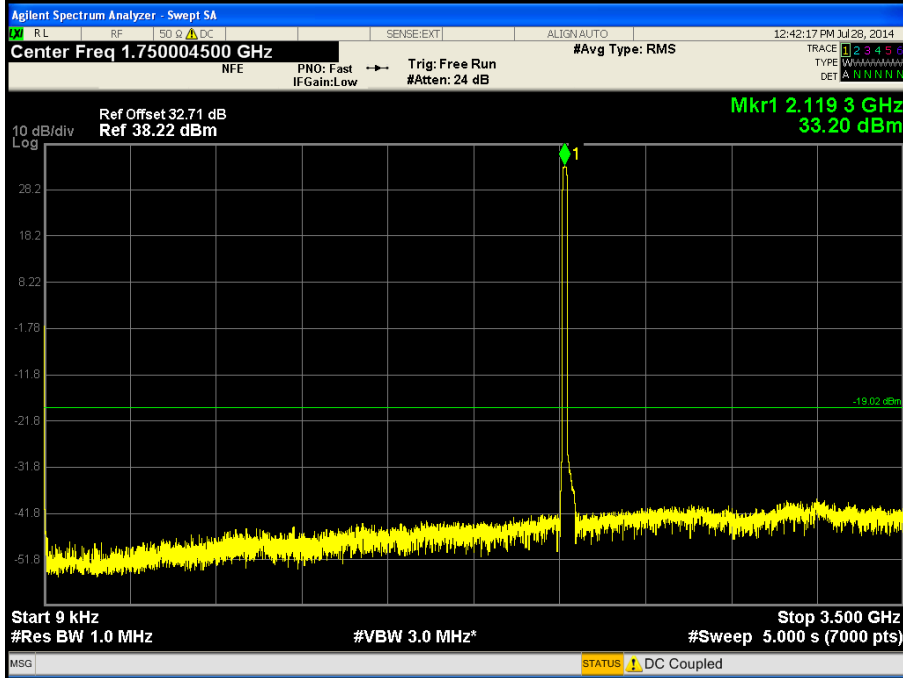
Channel Position B - Carrier Bandwidth 1.4 MHz - Band 3 - Range 12000 to 20000 MHz – Antenna Port C



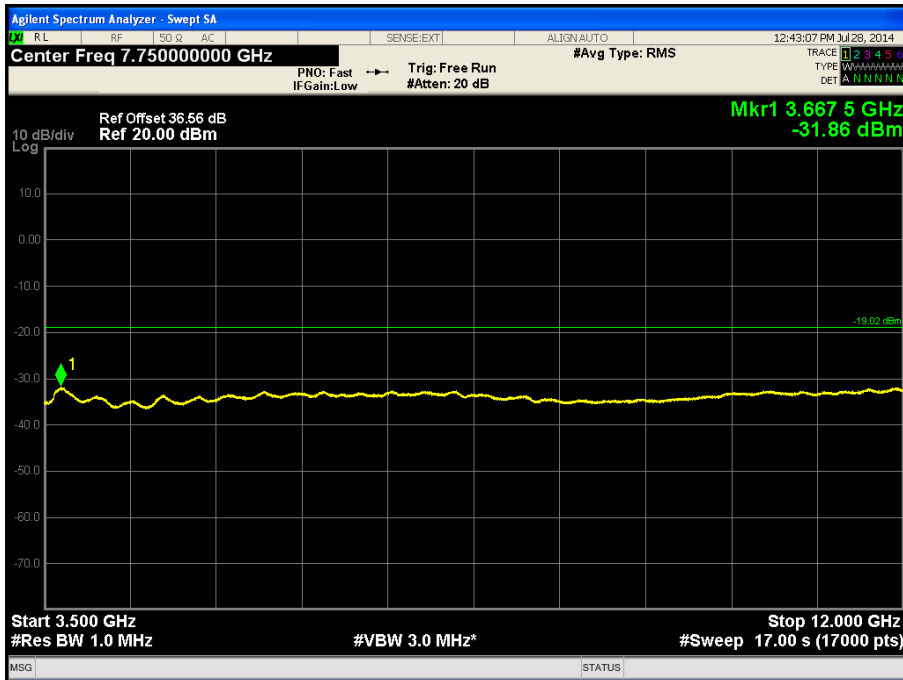
Channel Position B - Carrier Bandwidth 1.4 MHz - Band 4 - Range 20000 to 22000 MHz – Antenna Port C



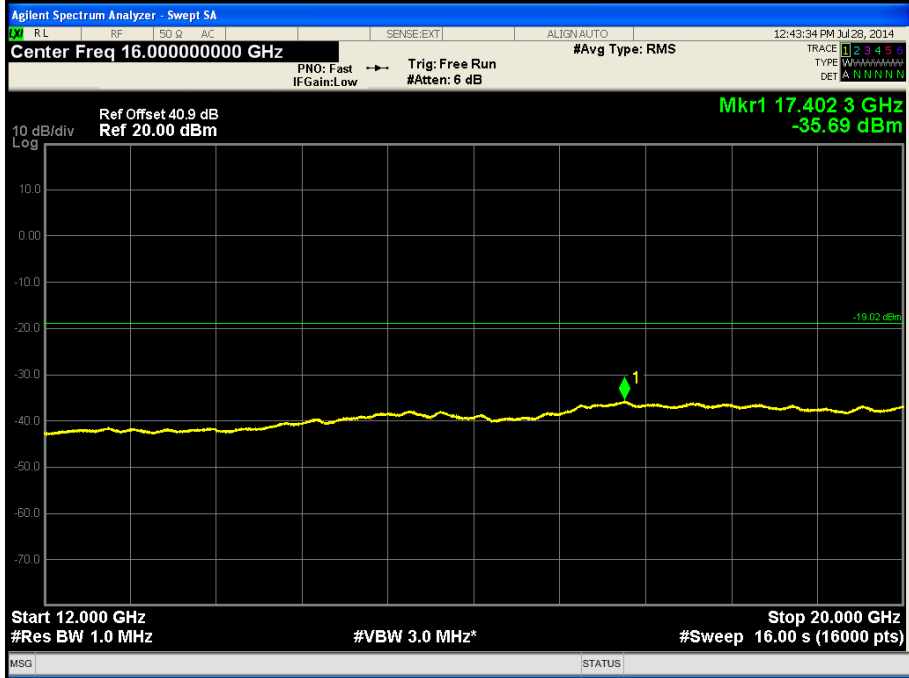
Channel Position B - Carrier Bandwidth 20.0 MHz - Band 1 - Range 0.009 to 3500 MHz – Antenna Port C



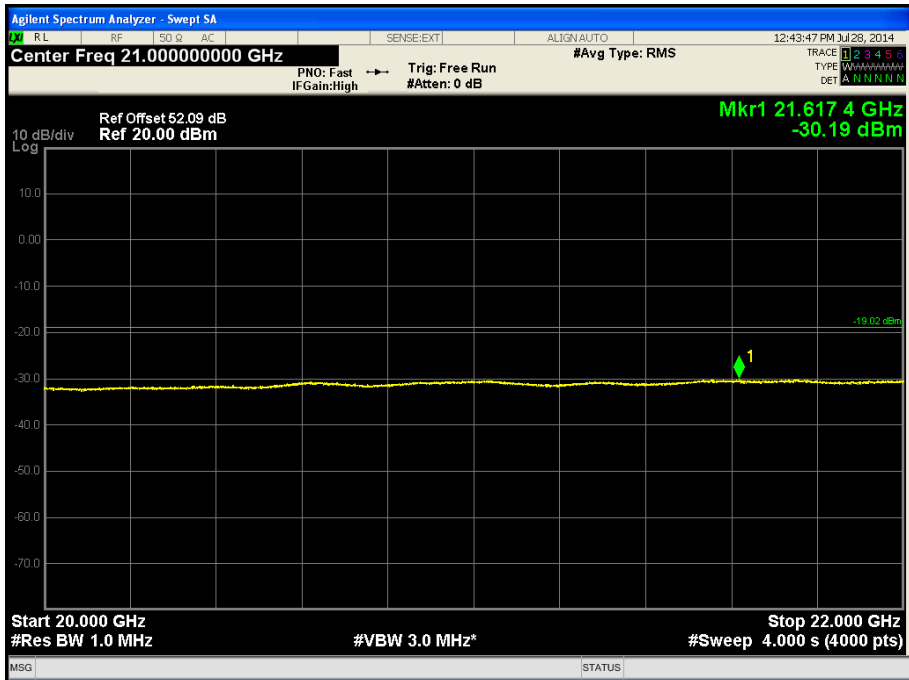
Channel Position B - Carrier Bandwidth 20.0 MHz - Band 2 - Range 3500 to 12000 MHz – Antenna Port C



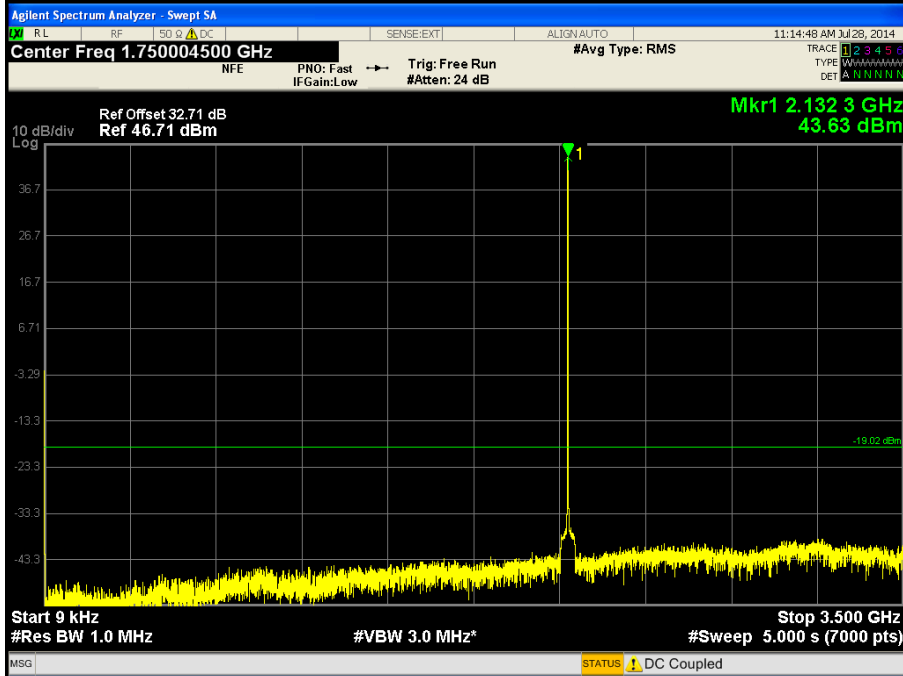
Channel Position B - Carrier Bandwidth 20.0 MHz - Band 3 - Range 12000 to 20000 MHz – Antenna Port C



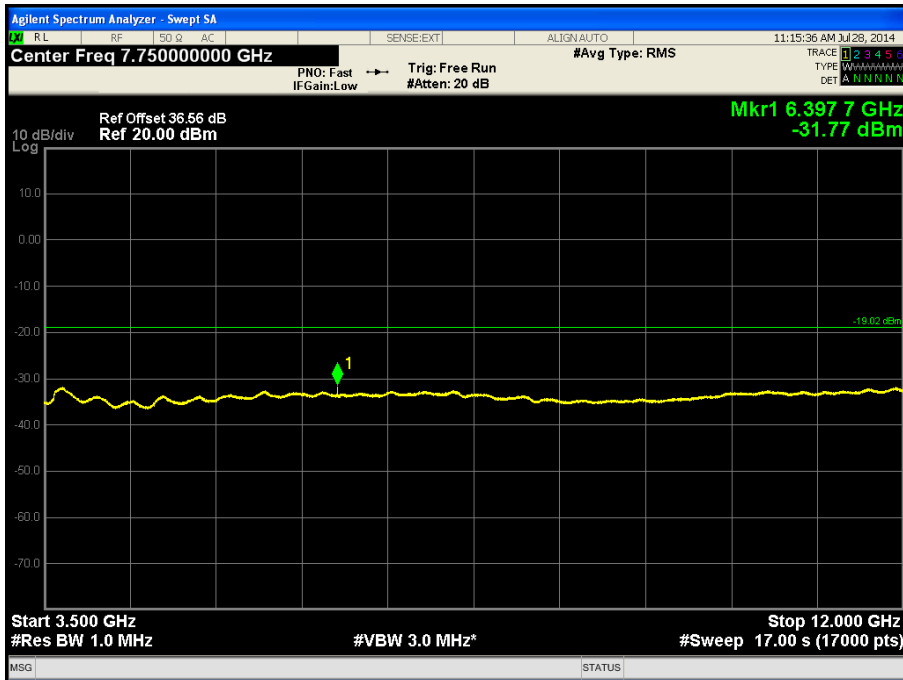
Channel Position B - Carrier Bandwidth 20.0 MHz - Band 4 - Range 20000 to 22000 MHz – Antenna Port C



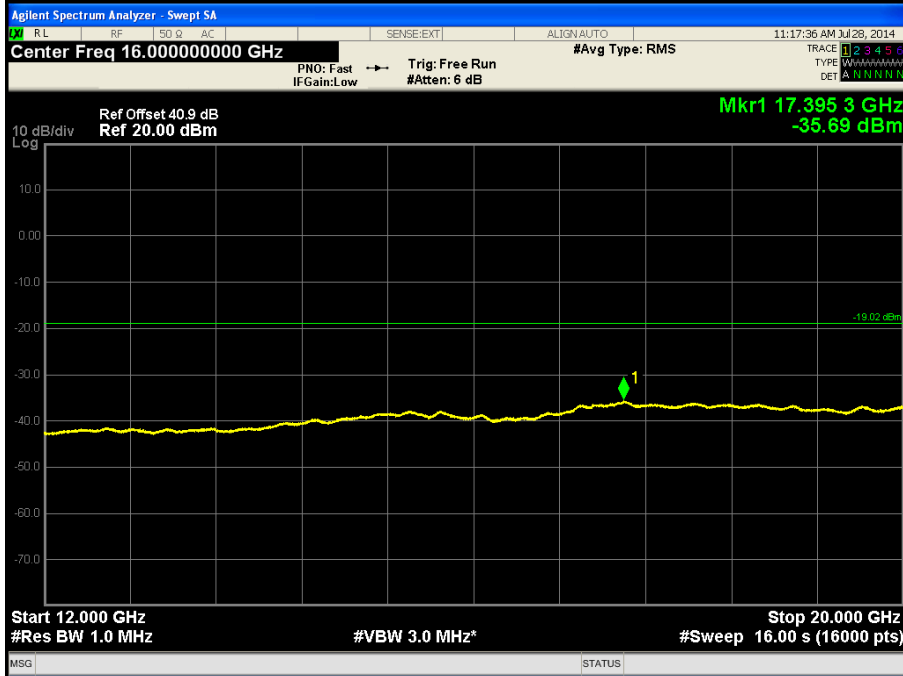
Channel Position M - Carrier Bandwidth 1.4 MHz - Band 1 - Range 0.009 to 3500 MHz – Antenna Port C



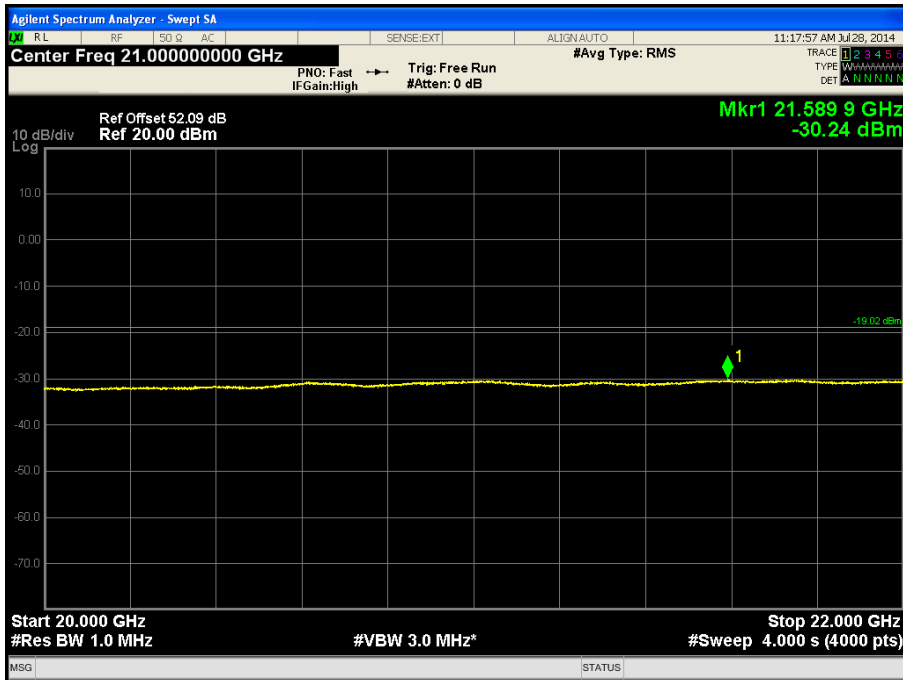
Channel Position M - Carrier Bandwidth 1.4 MHz - Band 2 - Range 3500 to 12000 MHz – Antenna Port C



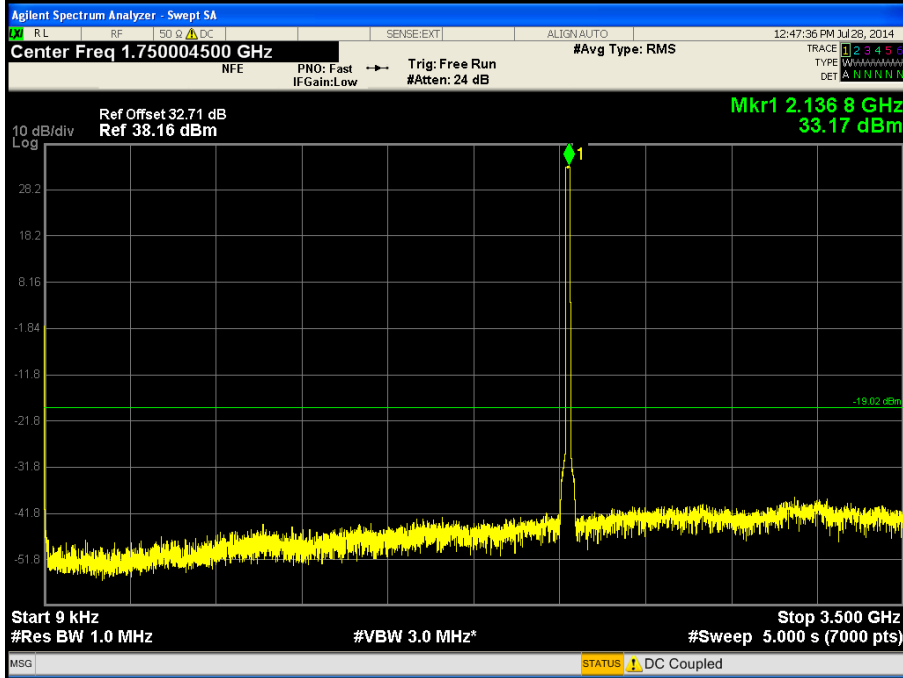
Channel Position M - Carrier Bandwidth 1.4 MHz - Band 3 - Range 12000 to 20000 MHz – Antenna Port C



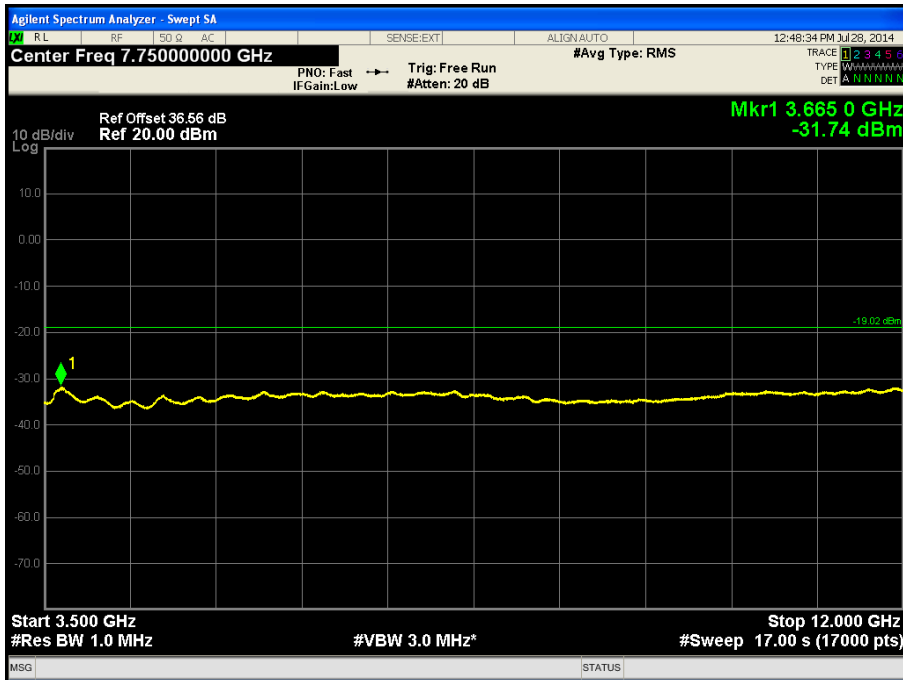
Channel Position M - Carrier Bandwidth 1.4 MHz - Band 4 - Range 20000 to 22000 MHz – Antenna Port C



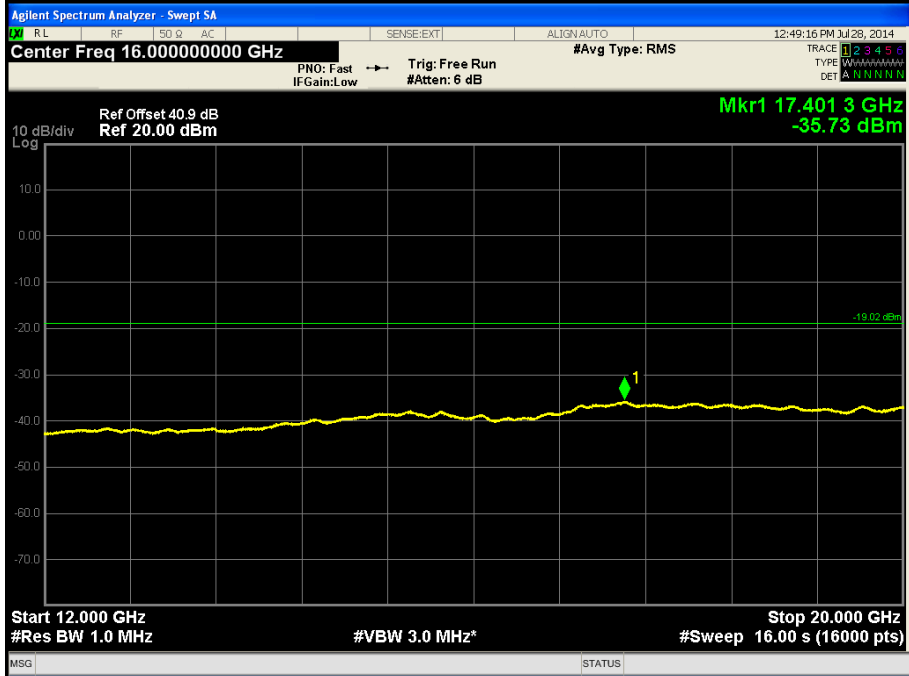
Channel Position M - Carrier Bandwidth 20.0 MHz - Band 1 - Range 0.009 to 3500 MHz – Antenna Port C



Channel Position M - Carrier Bandwidth 20.0 MHz - Band 2 - Range 3500 to 12000 MHz – Antenna Port C



Channel Position M - Carrier Bandwidth 20.0 MHz - Band 3 - Range 12000 to 20000 MHz – Antenna Port C



Channel Position M - Carrier Bandwidth 20.0 MHz - Band 4 - Range 20000 to 22000 MHz – Antenna Port C

