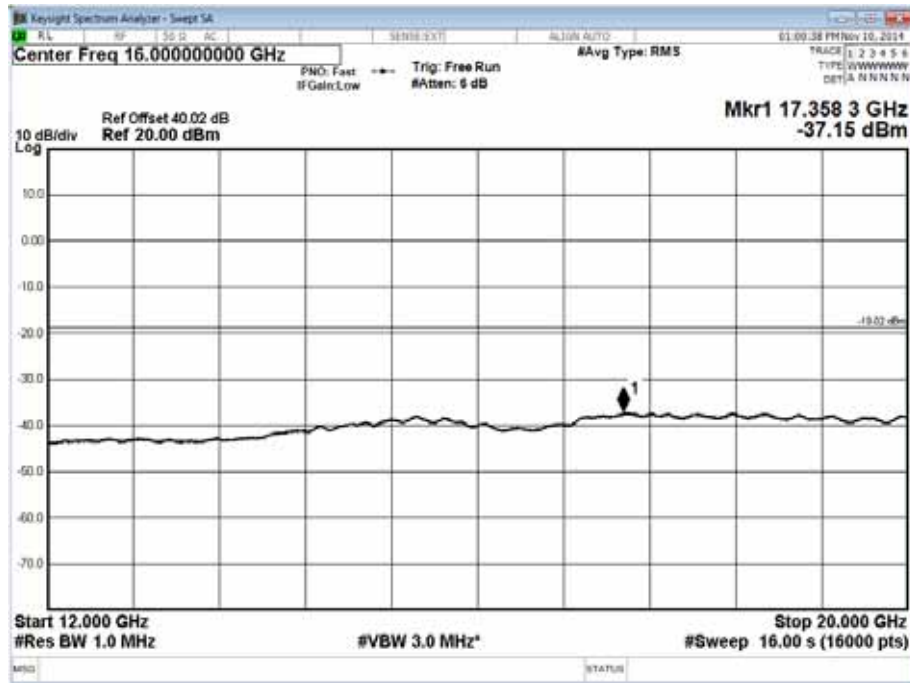
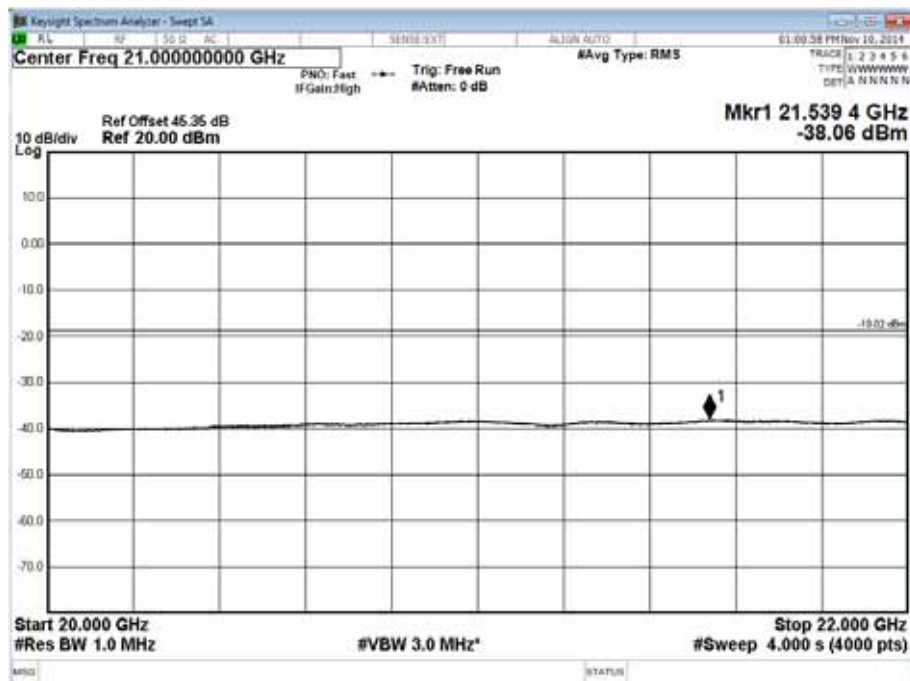


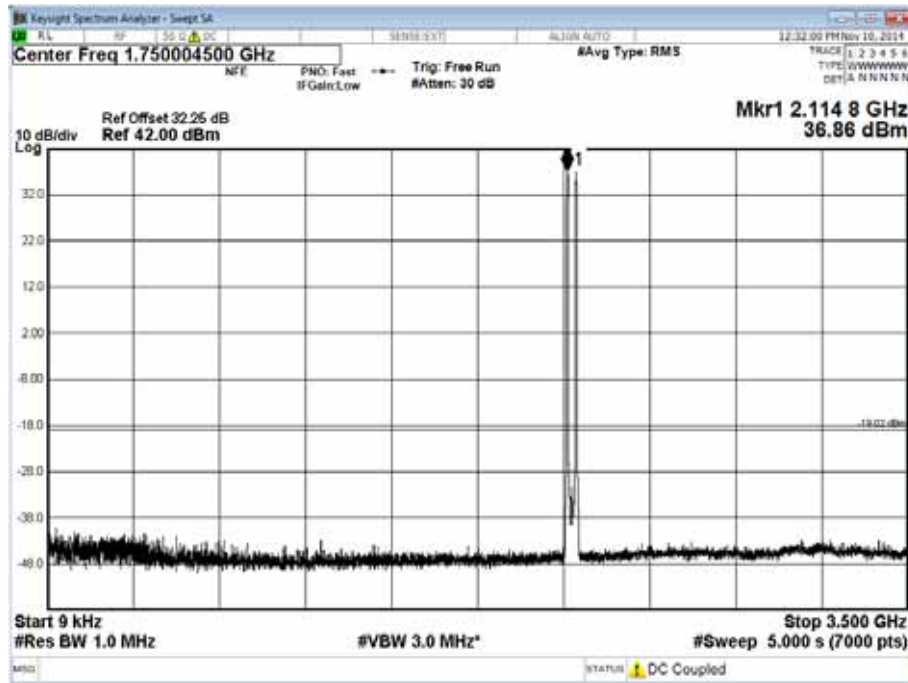
Channel Position B - Band 3 - Range 12000 to 20000 MHz - Antenna B



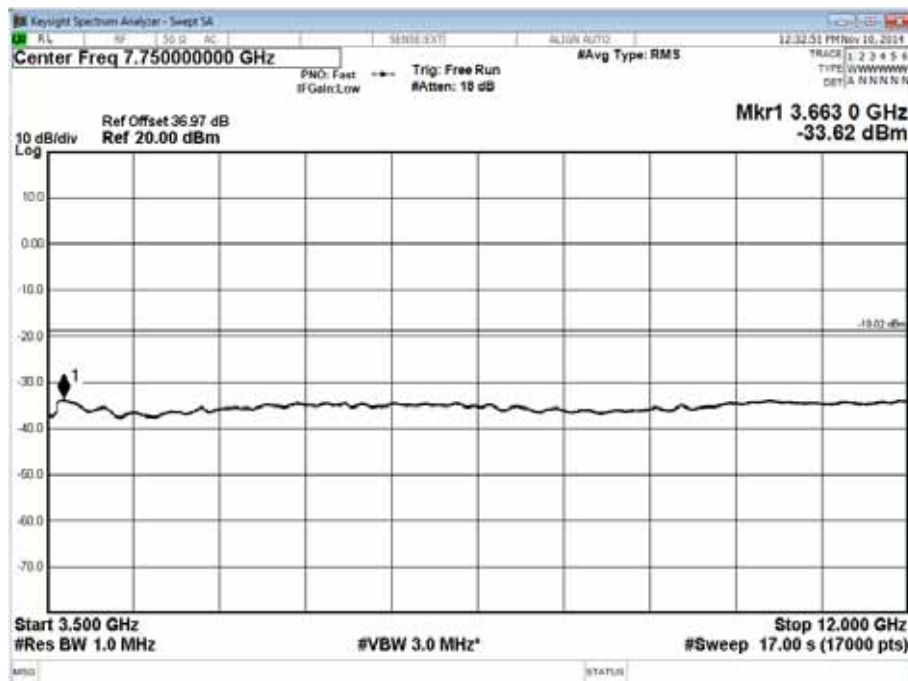
Channel Position B - Band 4 - Range 20000 to 22000 MHz - Antenna B



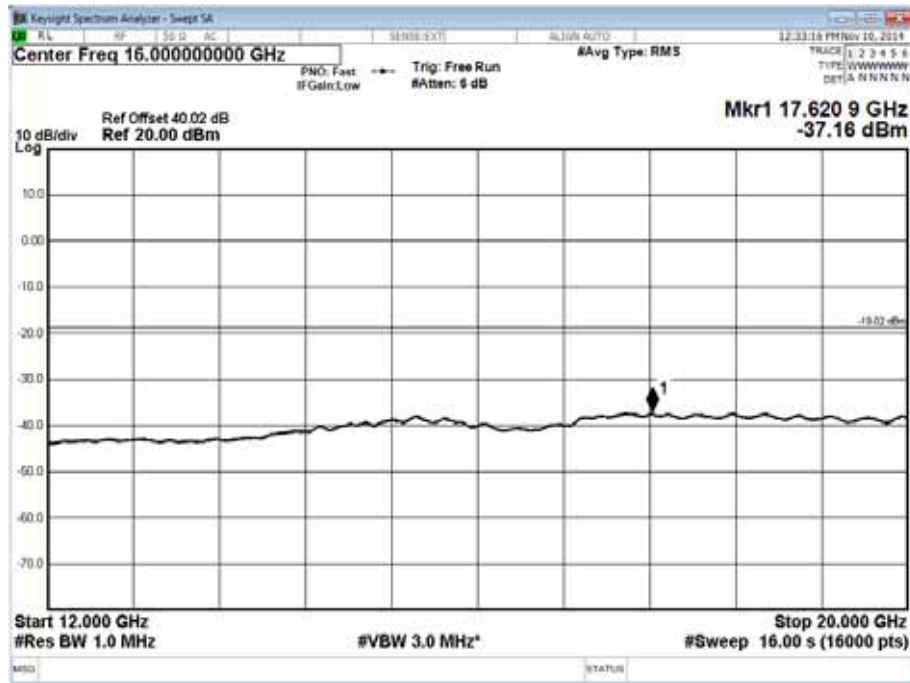
Channel Position M - Band 1 - Range 0.009 to 3500 MHz - Antenna B



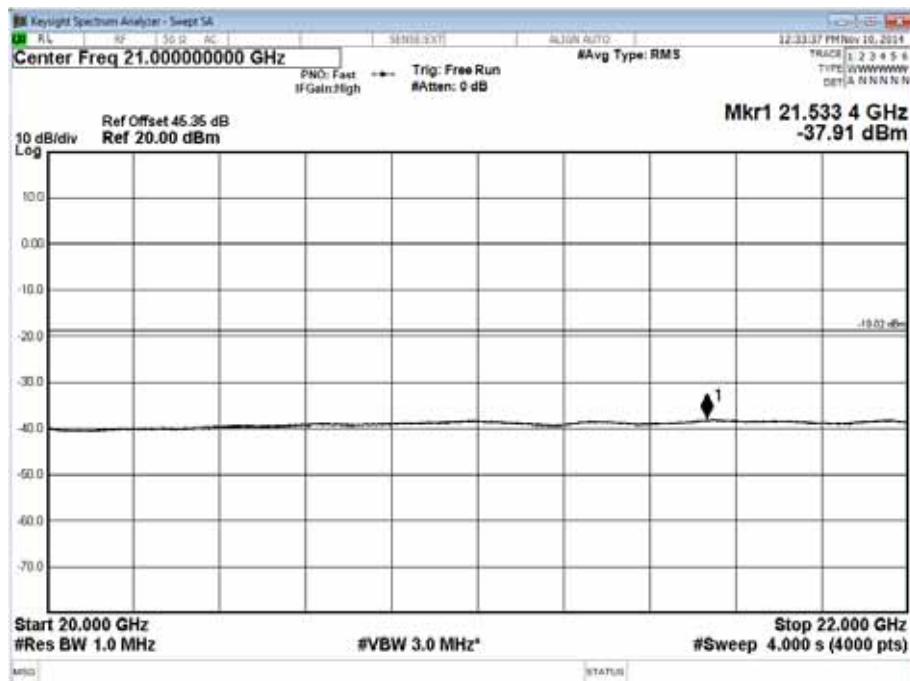
Channel Position M - Band 2 - Range 3500 to 12000 MHz - Antenna B



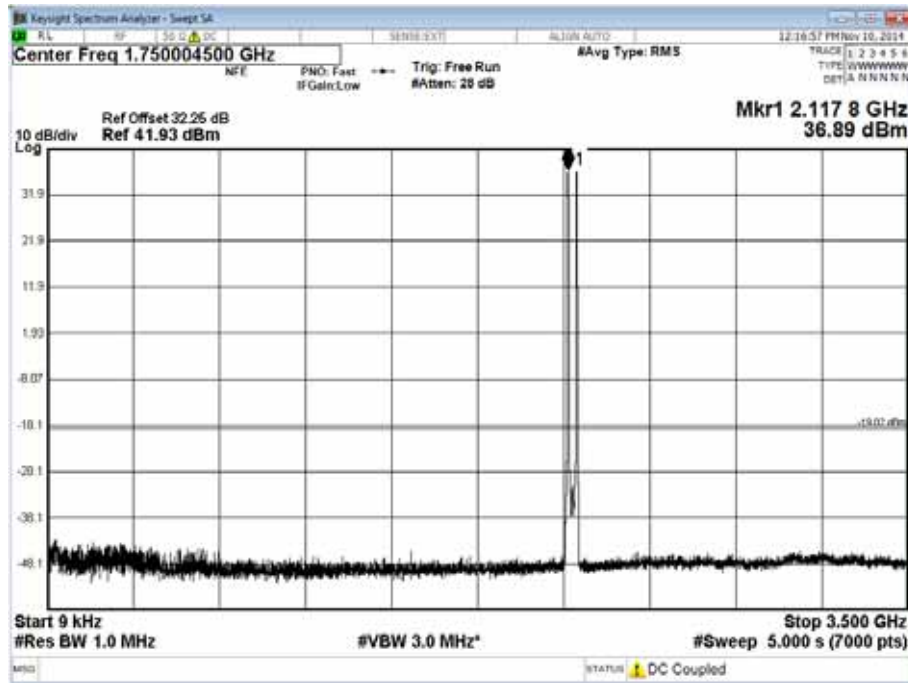
Channel Position M - Band 3 - Range 12000 to 20000 MHz - Antenna B



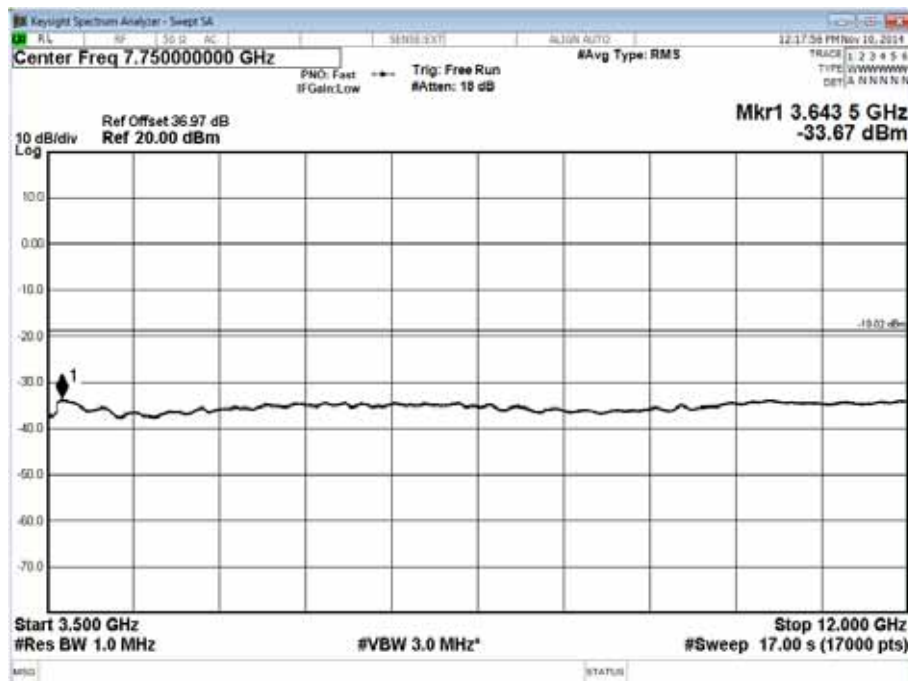
Channel Position M - Band 4 - Range 20000 to 22000 MHz - Antenna B



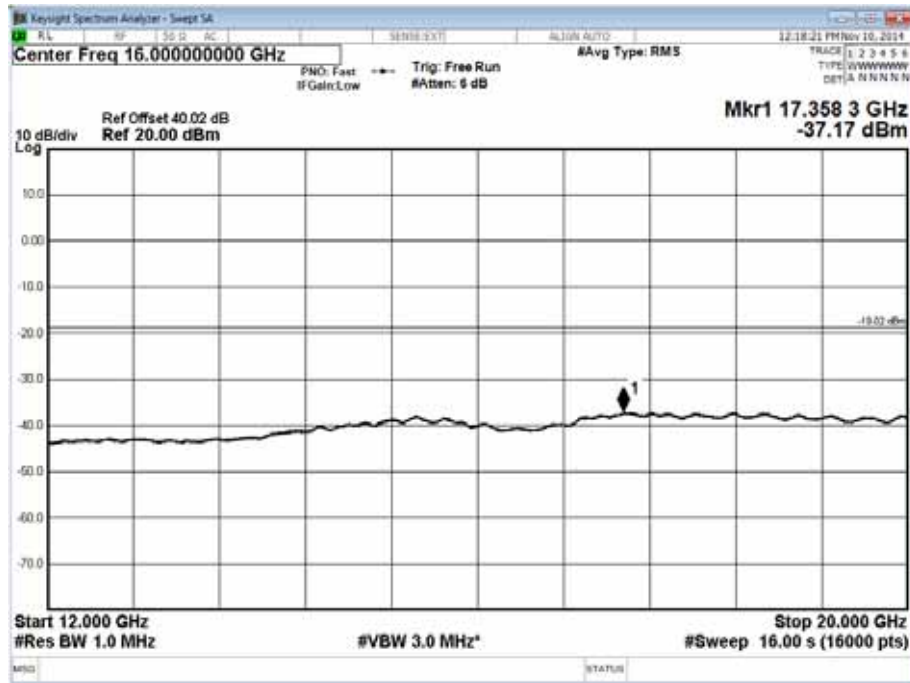
Channel Position T - Band 1 - Range 0.009 to 3500 MHz - Antenna B



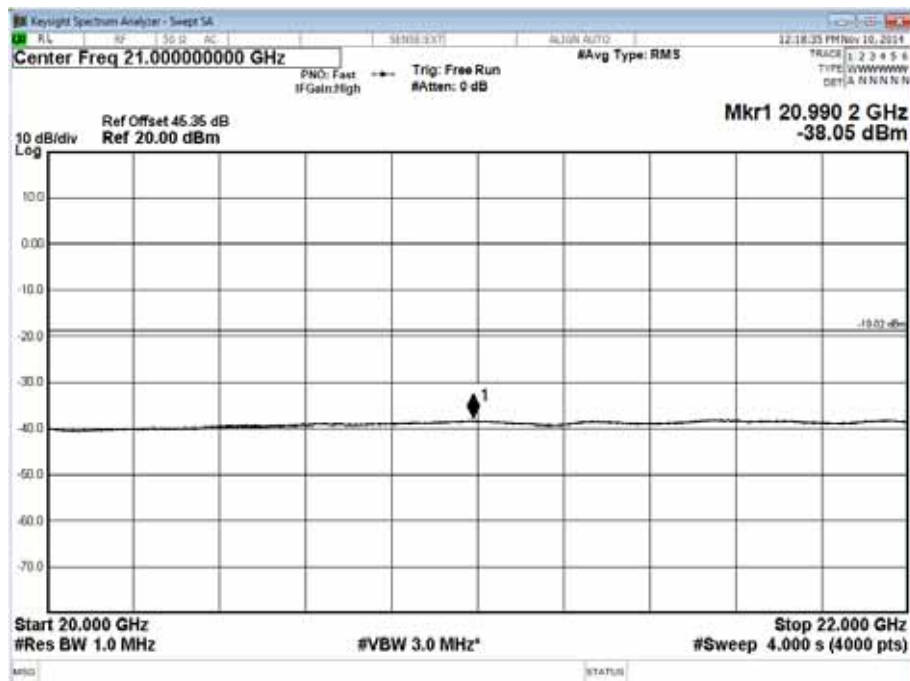
Channel Position T - Band 2 - Range 3500 to 12000 MHz - Antenna B



Channel Position T - Band 3 - Range 12000 to 20000 MHz - Antenna B



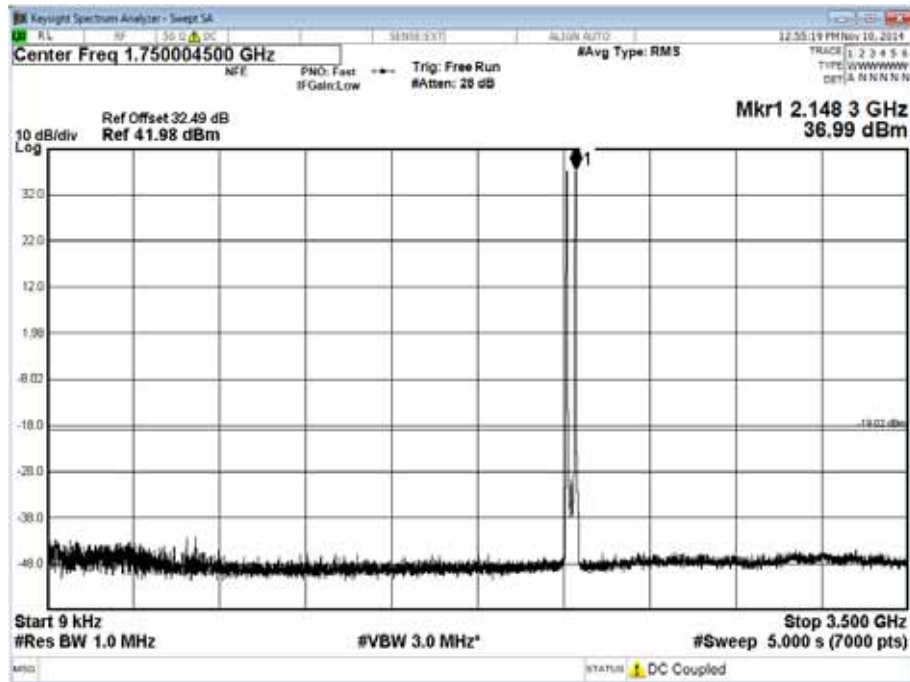
Channel Position T - Band 4 - Range 20000 to 22000 MHz - Antenna B



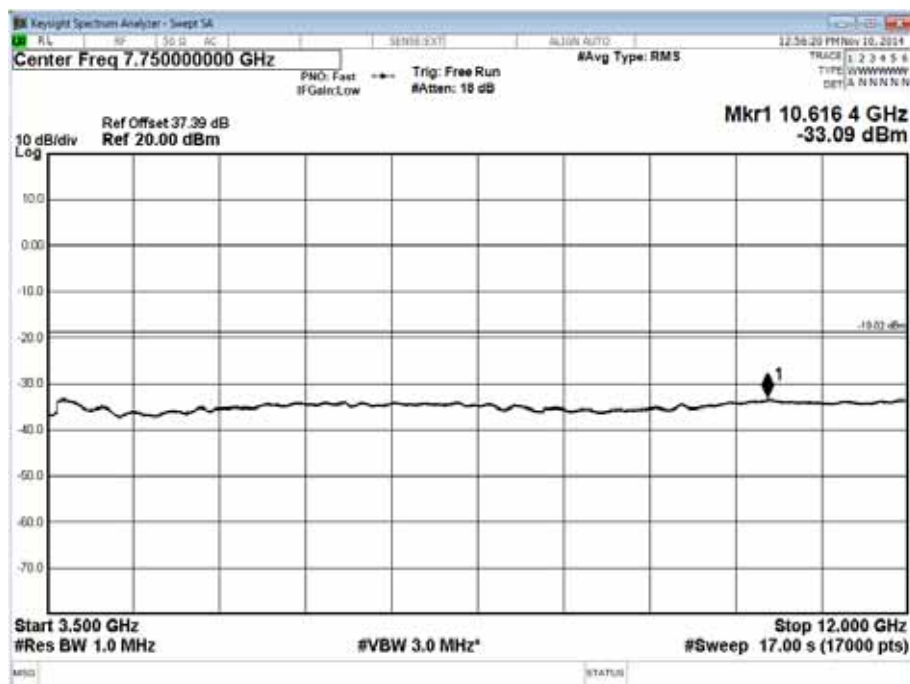
Configuration 2 WCDMA-MC1 (See Table 1 for carrier frequency)

Maximum Output Power 41.76 dBm per carrier, TM5 (2 Carrier), Antenna Port C

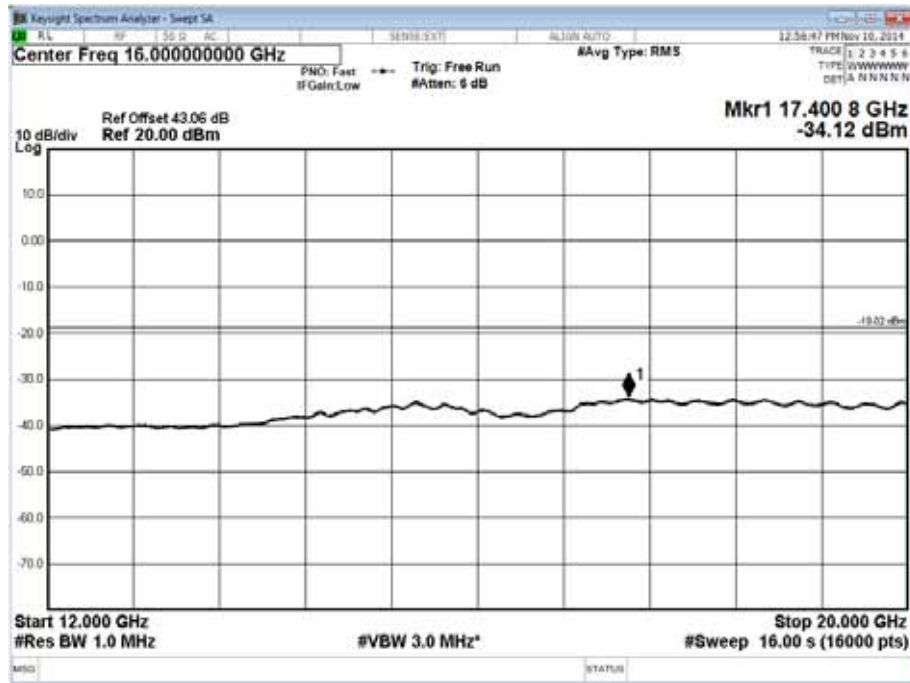
Channel Position B - Band 1 - Range 0.009 to 3500 MHz - Antenna C



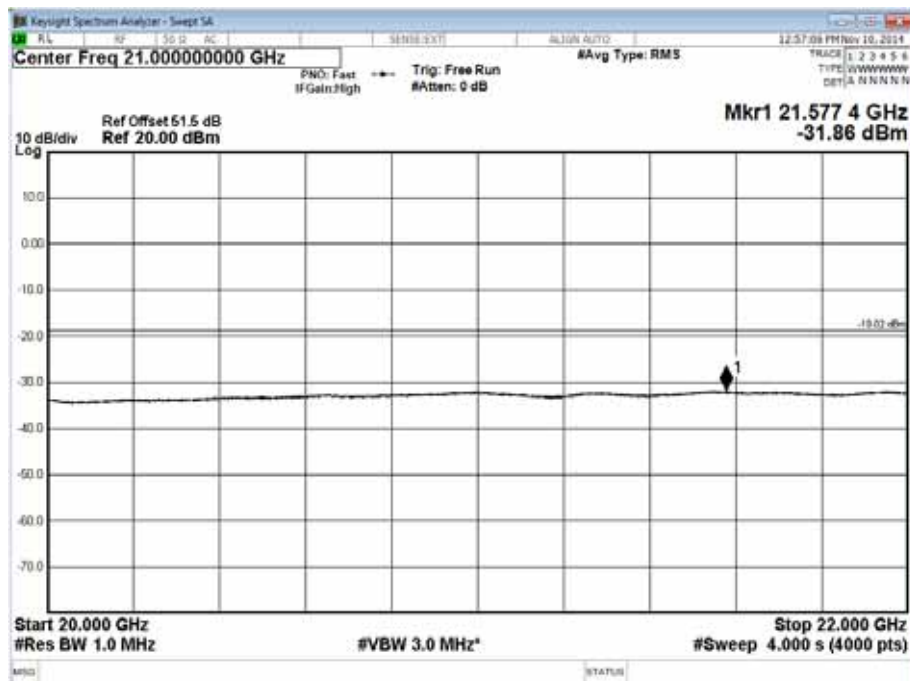
Channel Position B - Band 2 - Range 3500 to 12000 MHz - Antenna C



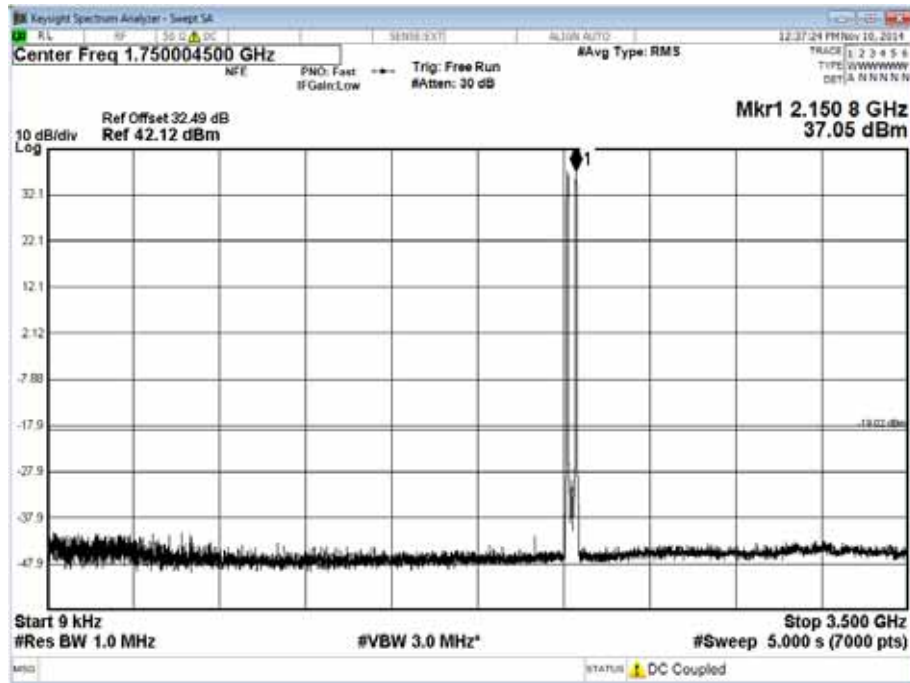
Channel Position B - Band 3 - Range 12000 to 20000 MHz - Antenna C



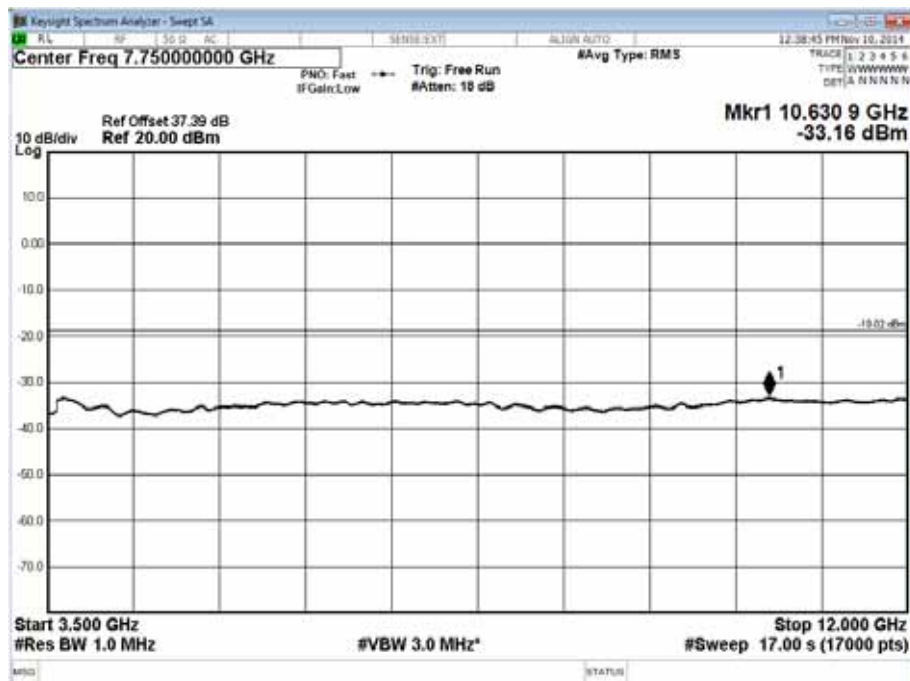
Channel Position B - Band 4 - Range 20000 to 22000 MHz - Antenna C



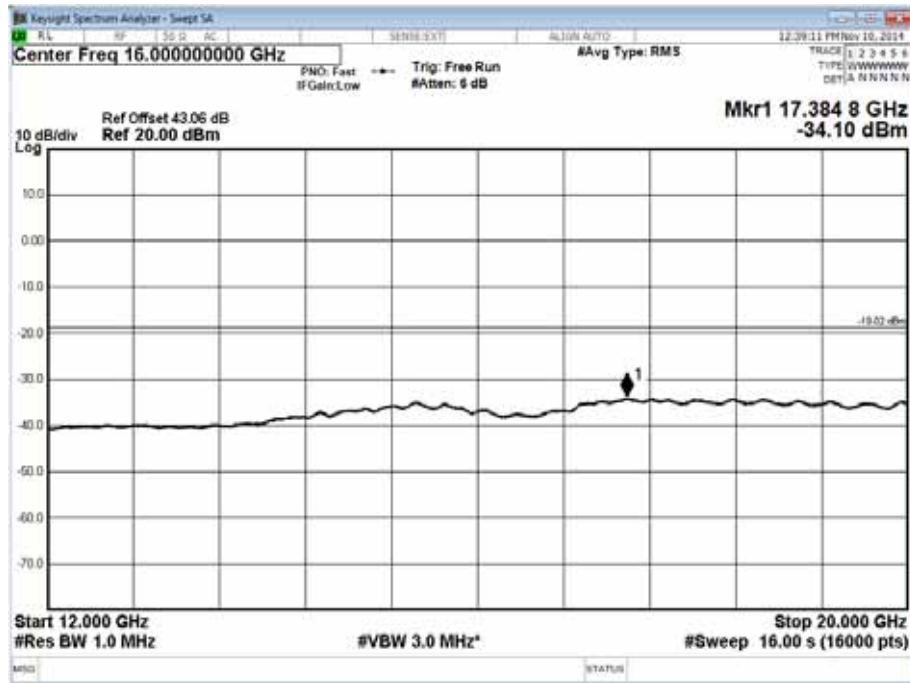
Channel Position M - Band 1 - Range 0.009 to 3500 MHz - Antenna C



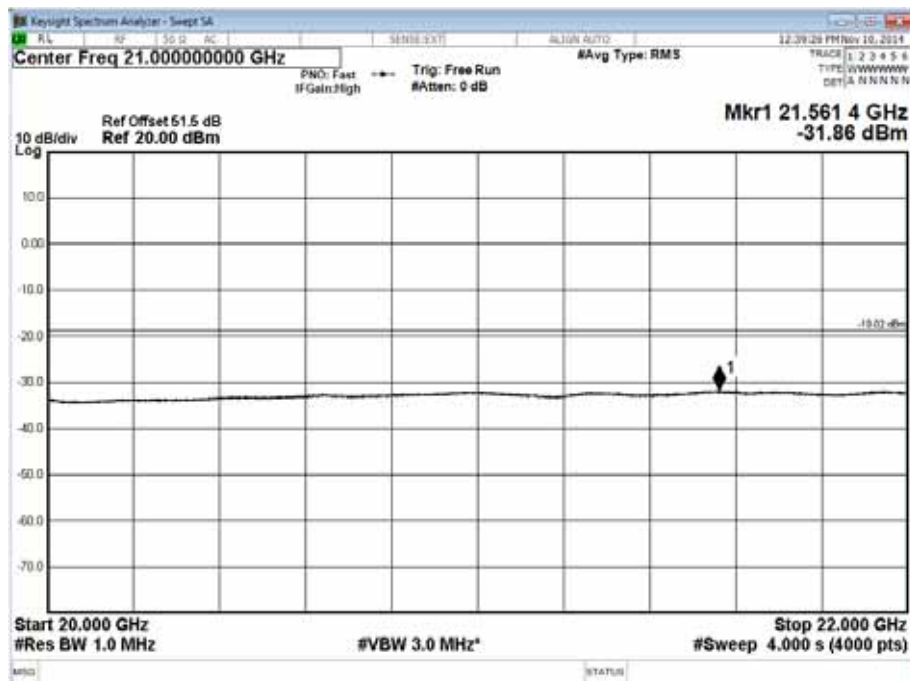
Channel Position M - Band 2 - Range 3500 to 12000 MHz - Antenna C



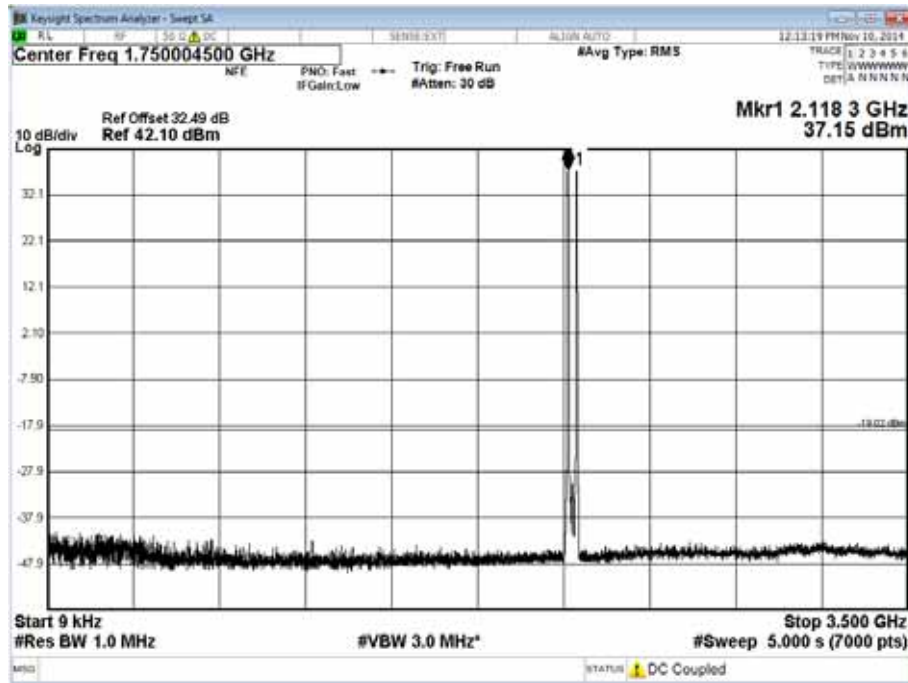
Channel Position M - Band 3 - Range 12000 to 20000 MHz - Antenna C



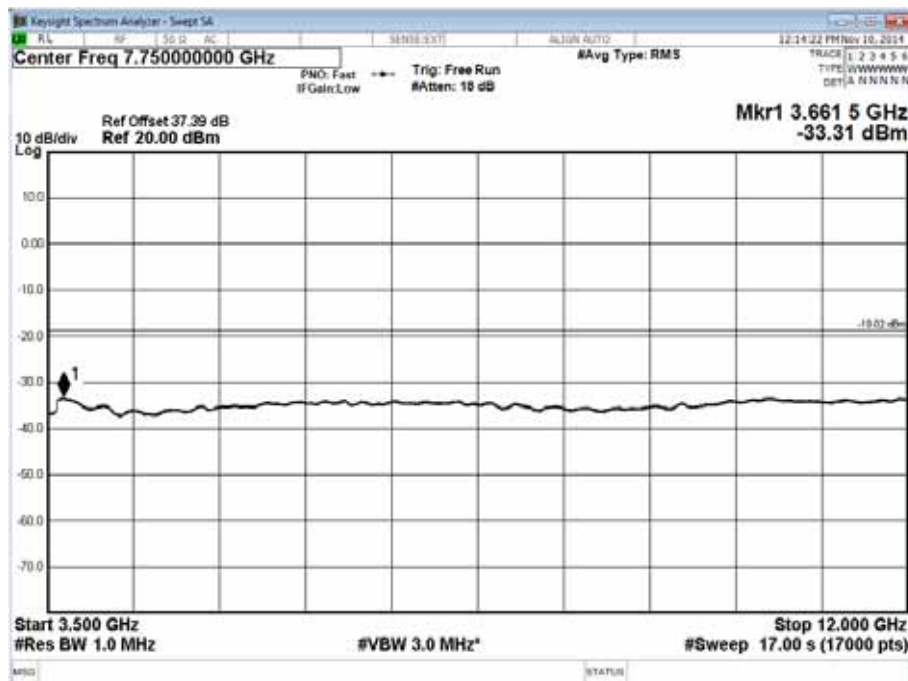
Channel Position M - Band 4 - Range 20000 to 22000 MHz - Antenna C



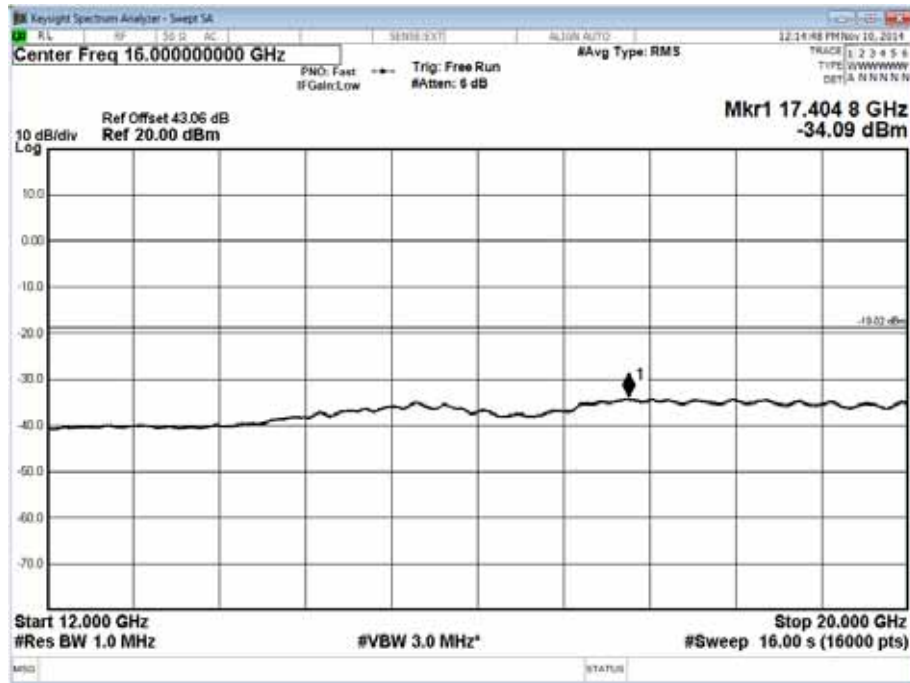
Channel Position T - Band 1 - Range 0.009 to 3500 MHz - Antenna C



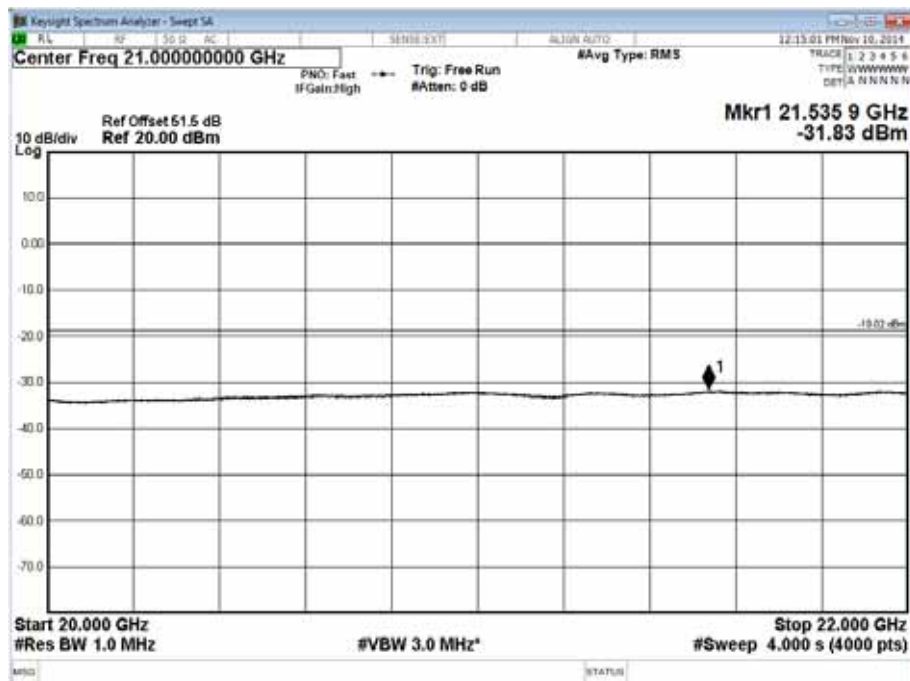
Channel Position T - Band 2 - Range 3500 to 12000 MHz - Antenna C



Channel Position T - Band 3 - Range 12000 to 20000 MHz - Antenna C



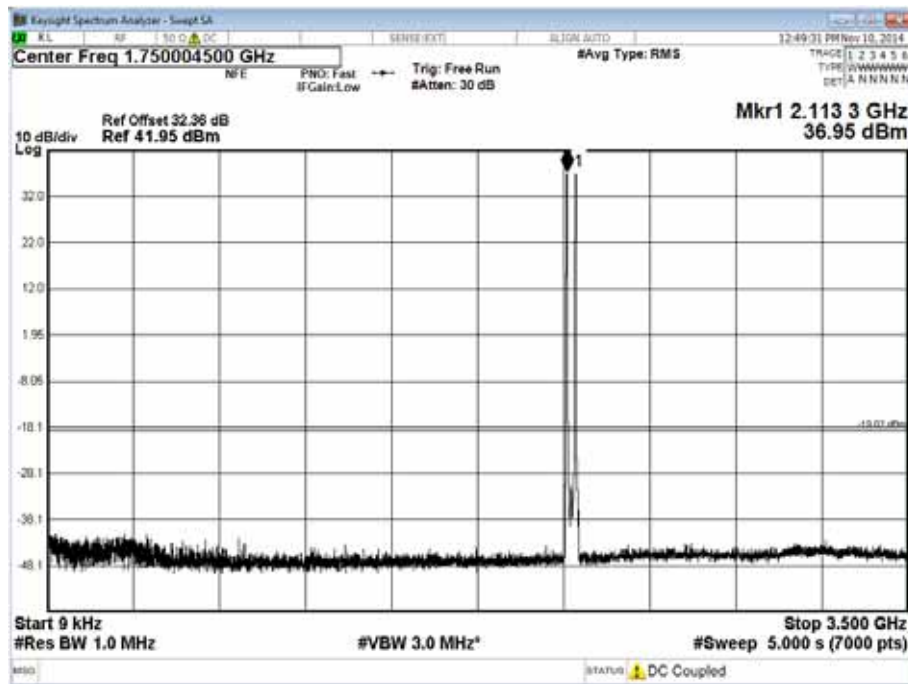
Channel Position T - Band 4 - Range 20000 to 22000 MHz - Antenna C



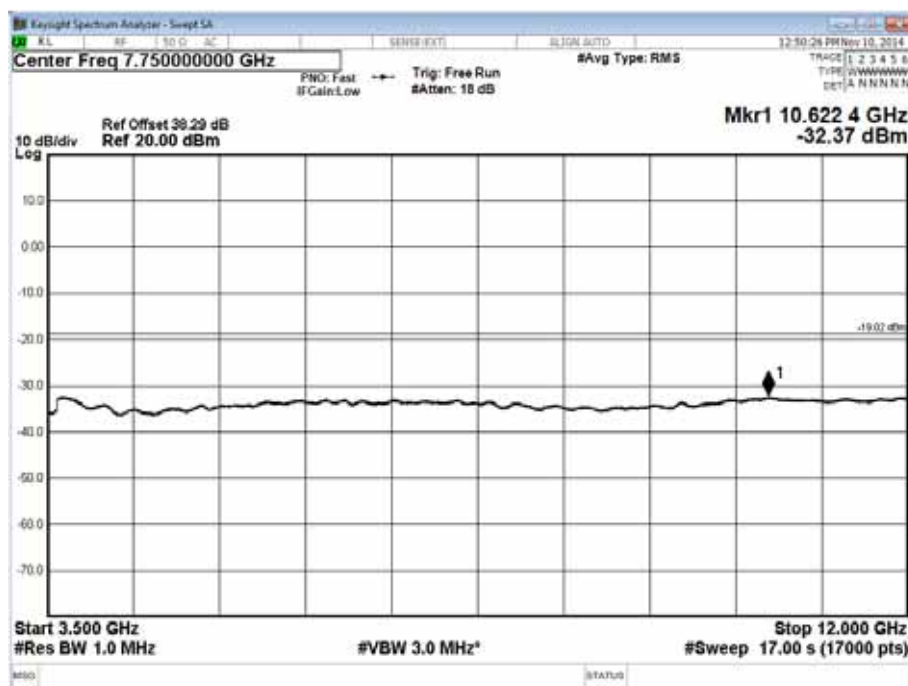
Configuration 2 WCDMA-MC1 (See Table 1 for carrier frequency)

Maximum Output Power 41.76 dBm per carrier, TM5 (2 Carrier), Antenna Port D

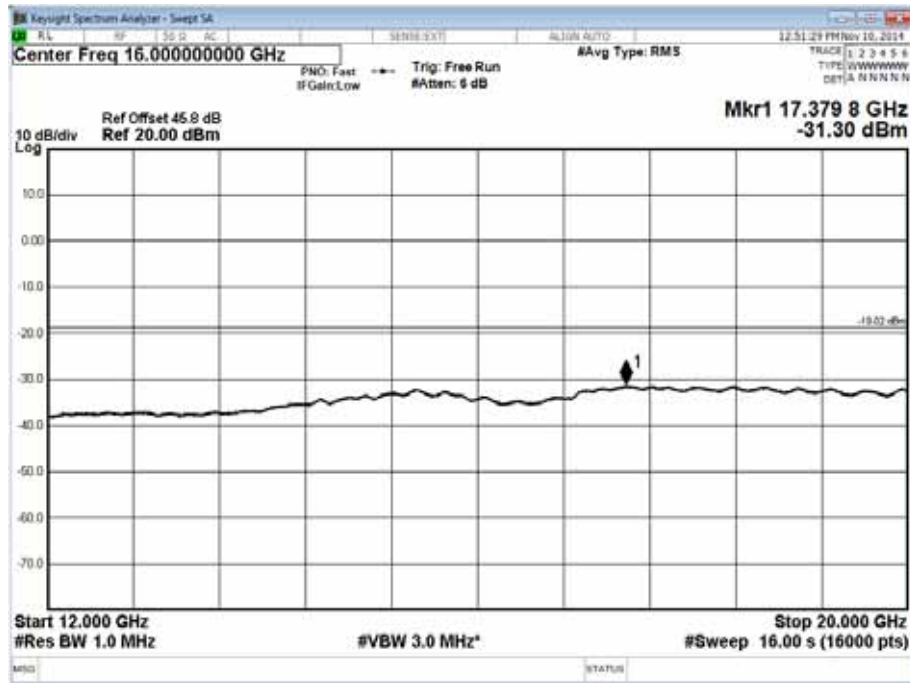
Channel Position B - Band 1 - Range 0.009 to 3500 MHz - Antenna D



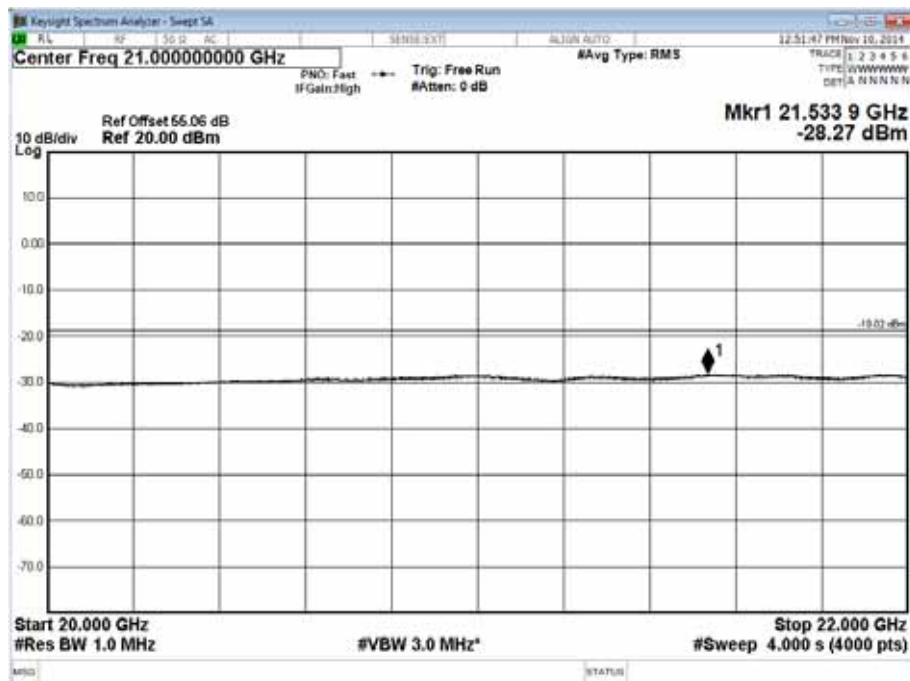
Channel Position B - Band 2 - Range 3500 to 12000 MHz - Antenna D



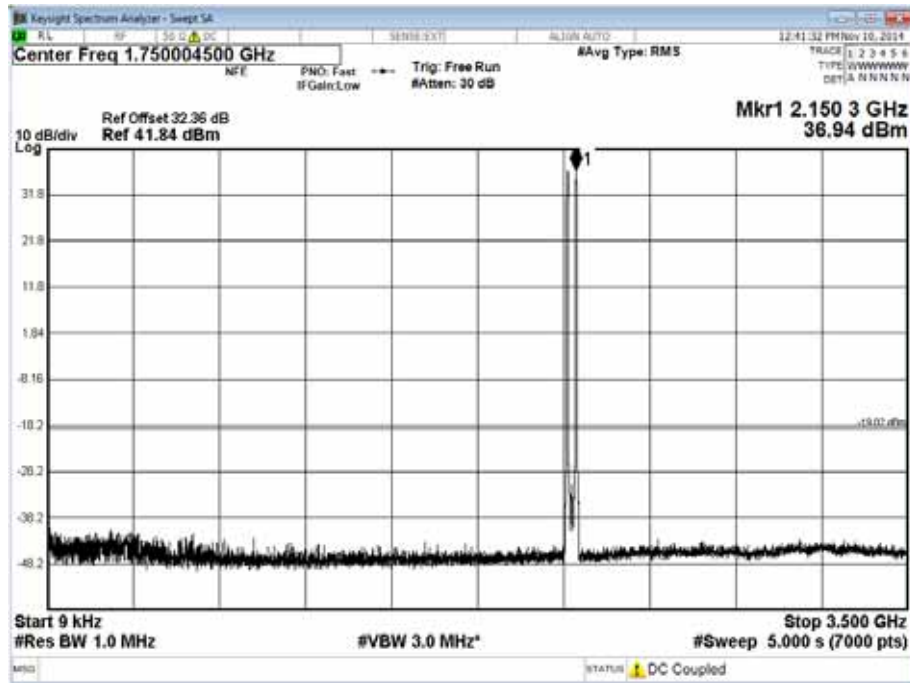
Channel Position B - Band 3 - Range 12000 to 20000 MHz - Antenna D



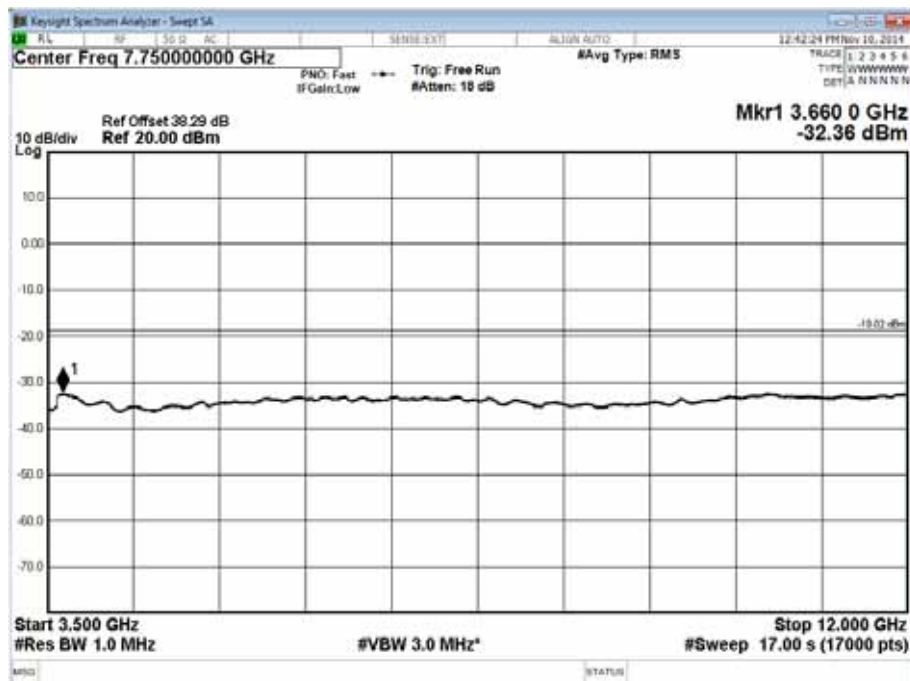
Channel Position B - Band 4 - Range 20000 to 22000 MHz - Antenna D



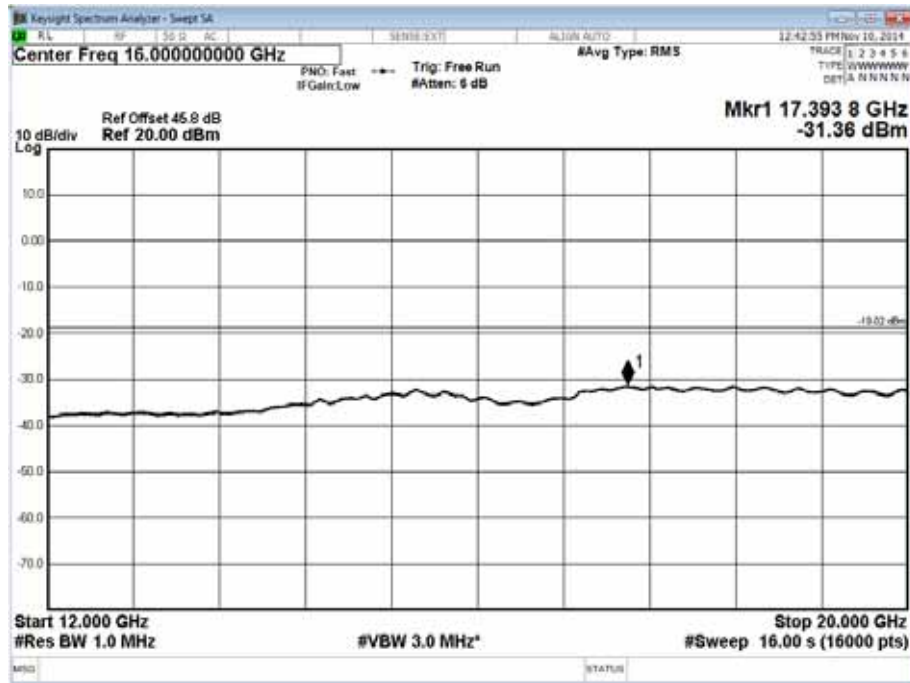
Channel Position M - Band 1 - Range 0.009 to 3500 MHz - Antenna D



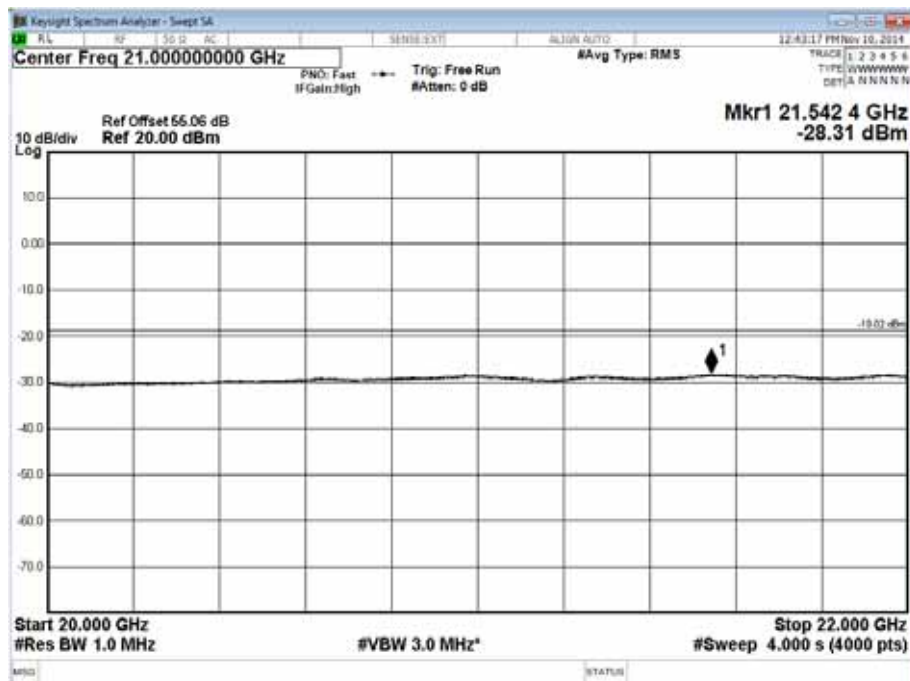
Channel Position M - Band 2 - Range 3500 to 12000 MHz - Antenna D



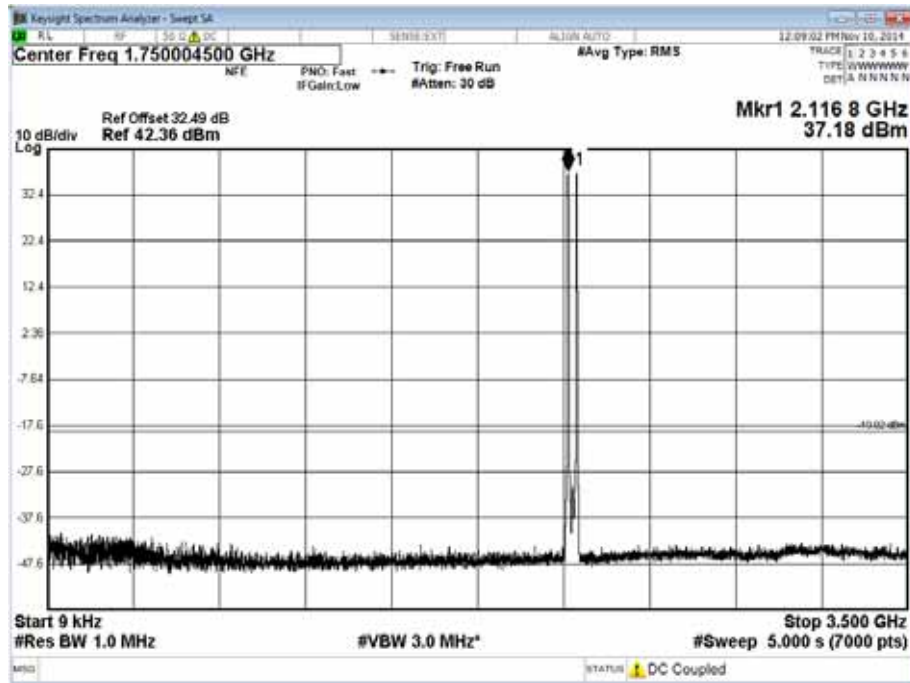
Channel Position M - Band 3 - Range 12000 to 20000 MHz - Antenna D



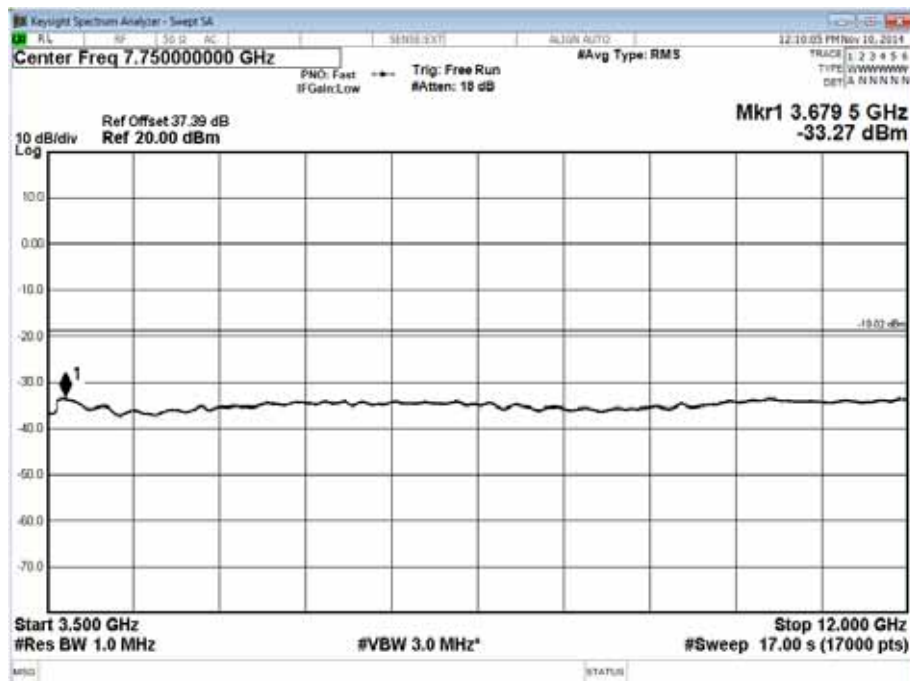
Channel Position M - Band 4 - Range 20000 to 22000 MHz - Antenna D



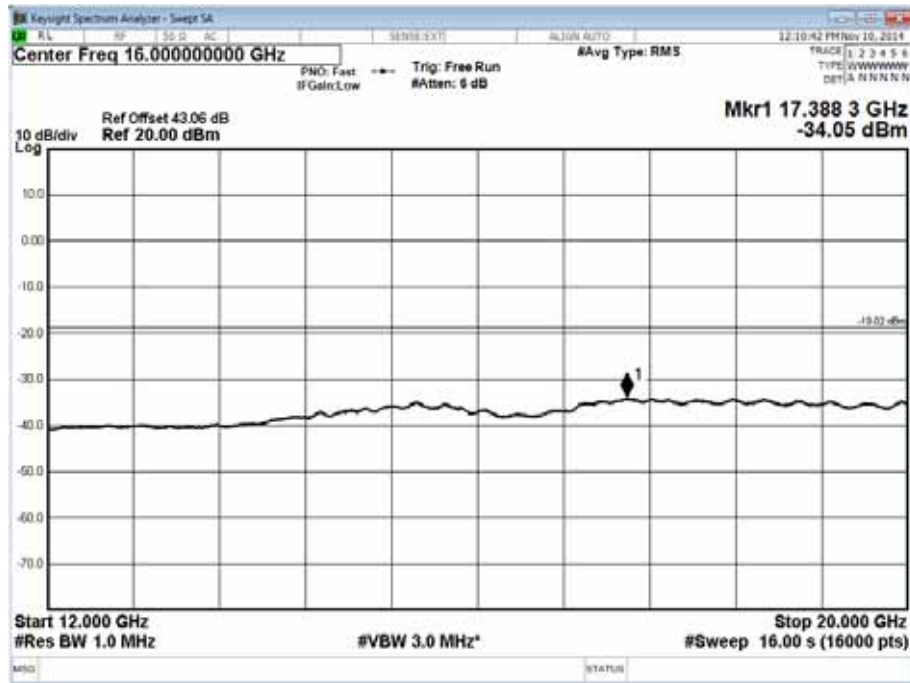
Channel Position T - Band 1 - Range 0.009 to 3500 MHz - Antenna D



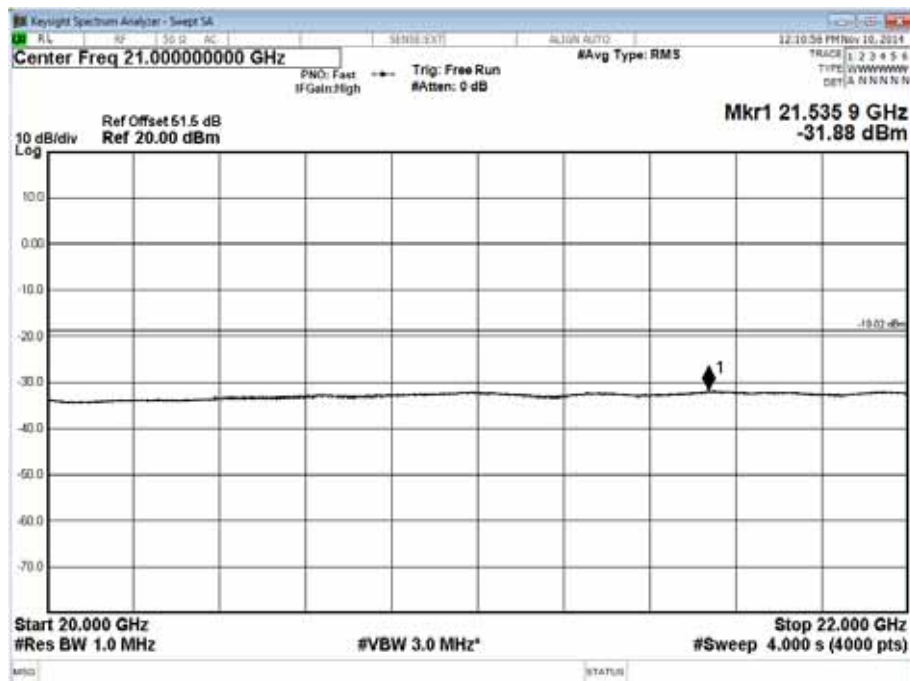
Channel Position T - Band 2 - Range 3500 to 12000 MHz - Antenna D



Channel Position T - Band 3 - Range 12000 to 20000 MHz - Antenna D



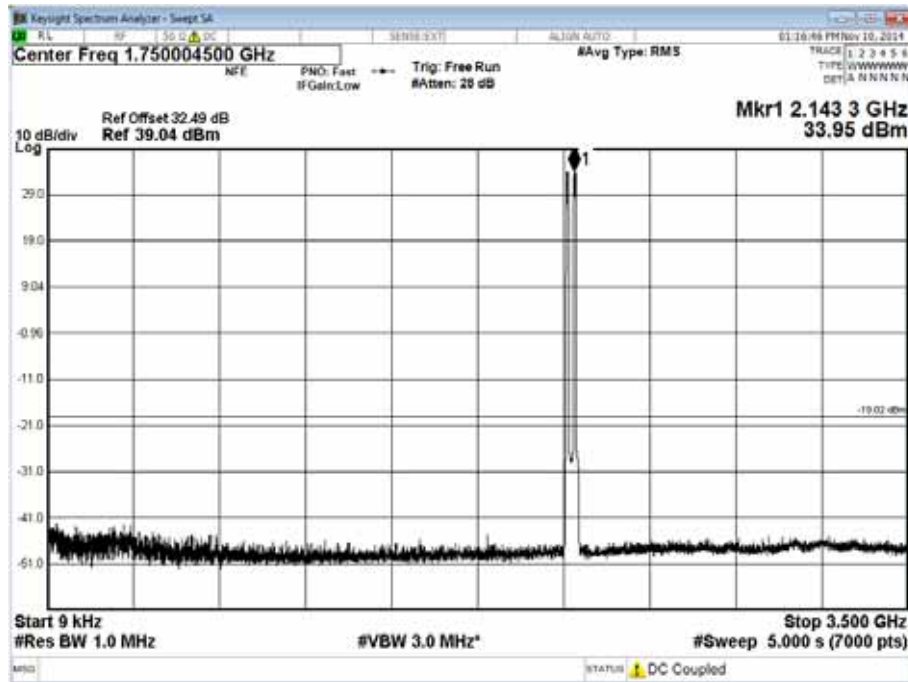
Channel Position T - Band 4 - Range 20000 to 22000 MHz - Antenna D



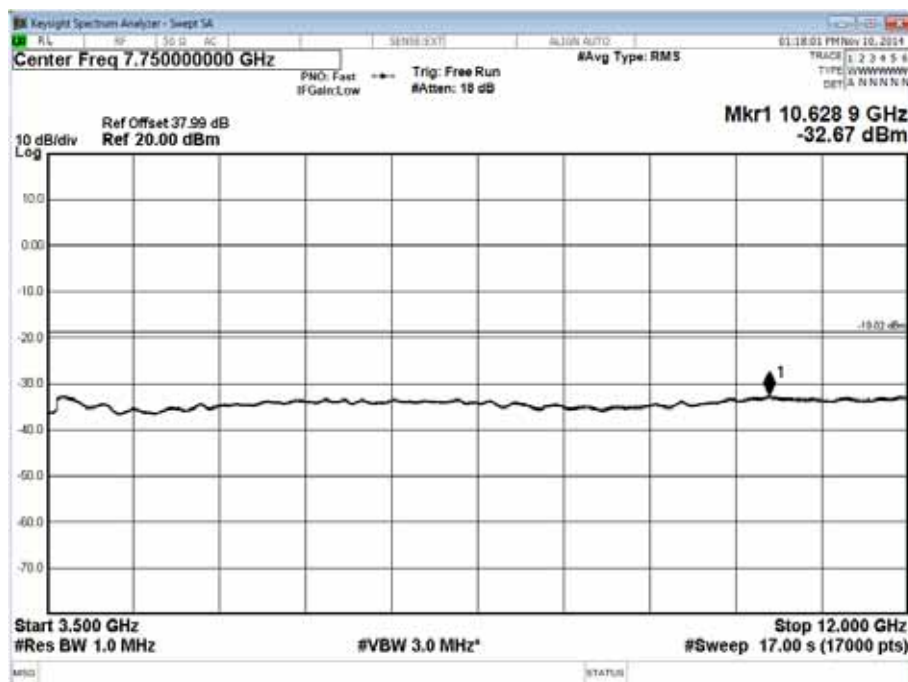
Configuration 3 WCDMA-MC2 (See Table 1 for carrier frequency)

Maximum Output Power 38.75 dBm per carrier, TM5 (4 Carrier), Antenna Port A

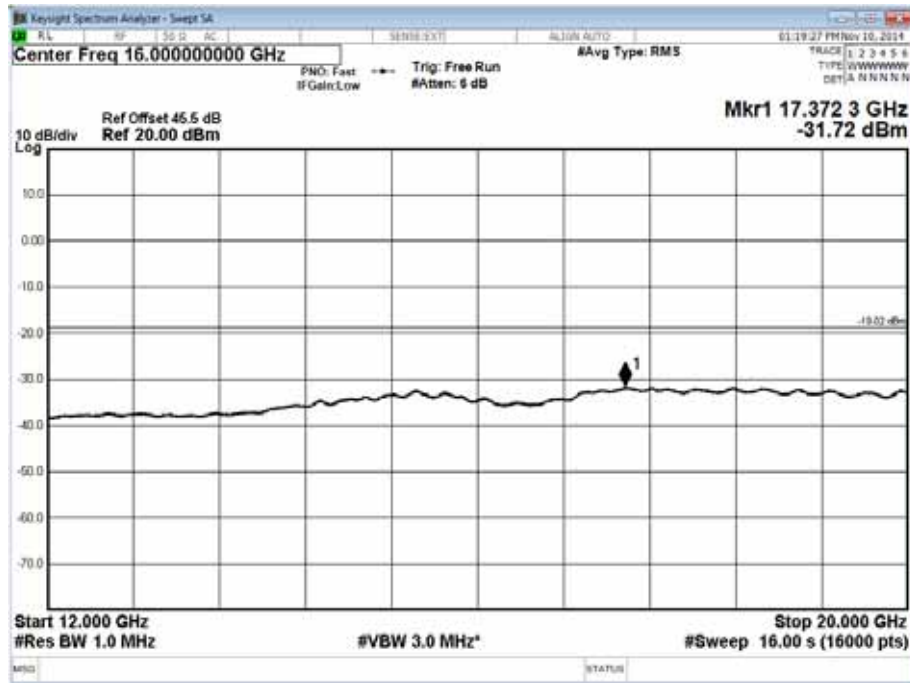
Channel Position B - Band 1 - Range 0.009 to 3500 MHz - Antenna A



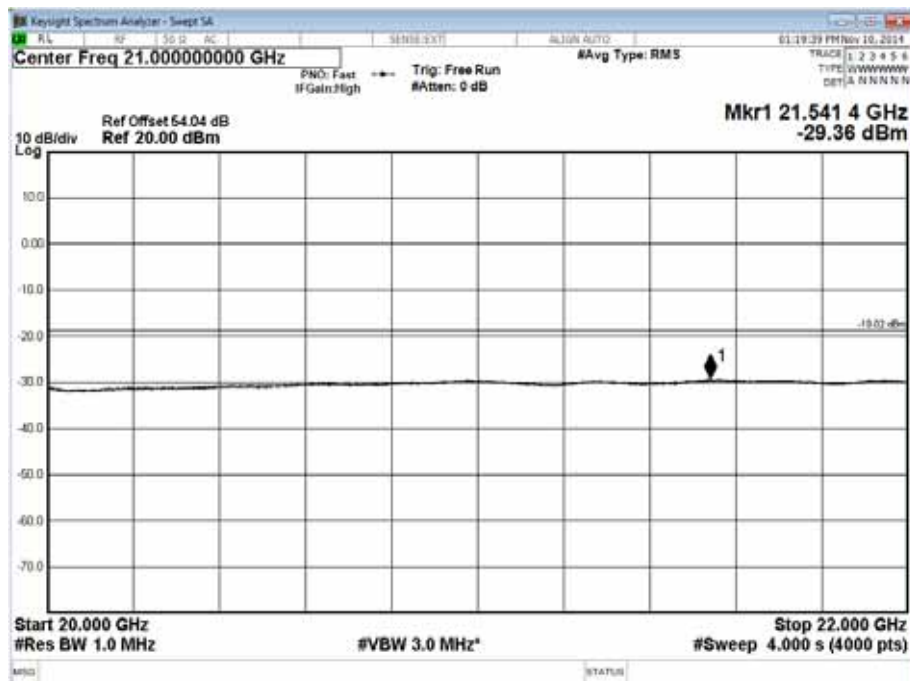
Channel Position B - Band 2 - Range 3500 to 12000 MHz - Antenna A



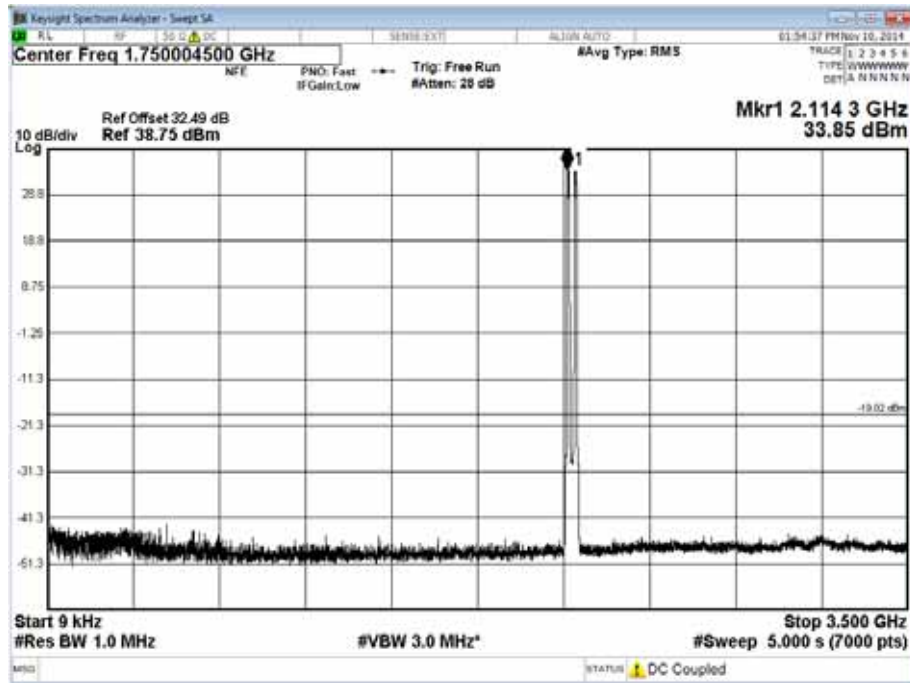
Channel Position B - Band 3 - Range 12000 to 20000 MHz - Antenna A



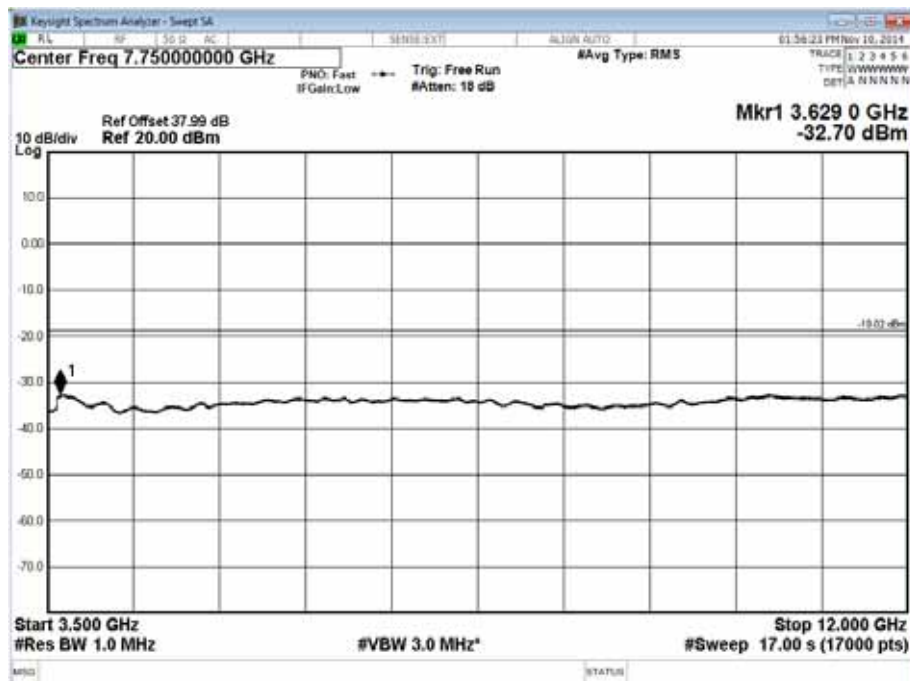
Channel Position B - Band 4 - Range 20000 to 22000 MHz - Antenna A



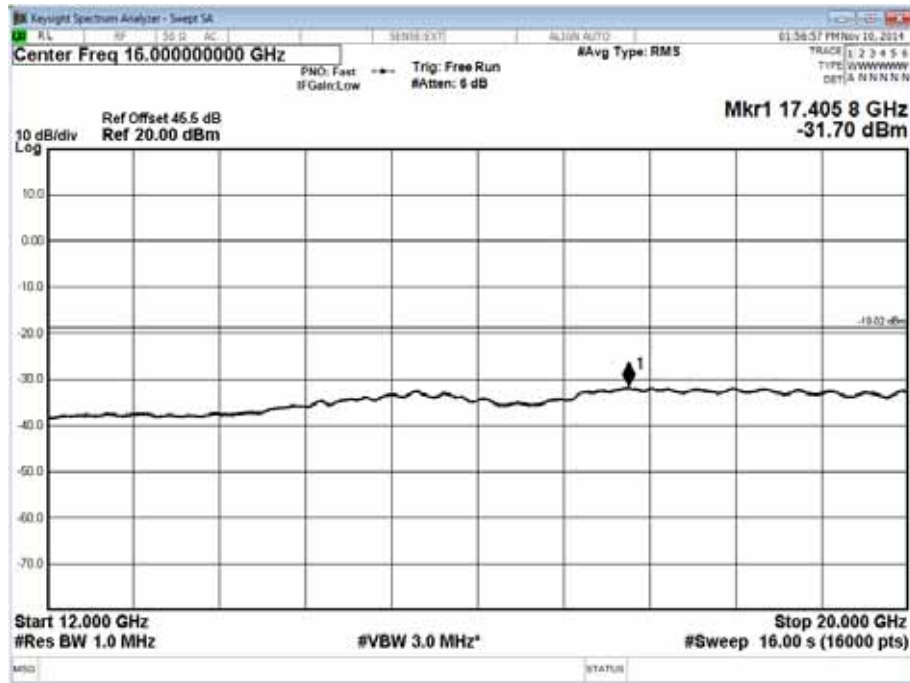
Channel Position M - Band 1 - Range 0.009 to 3500 MHz - Antenna A



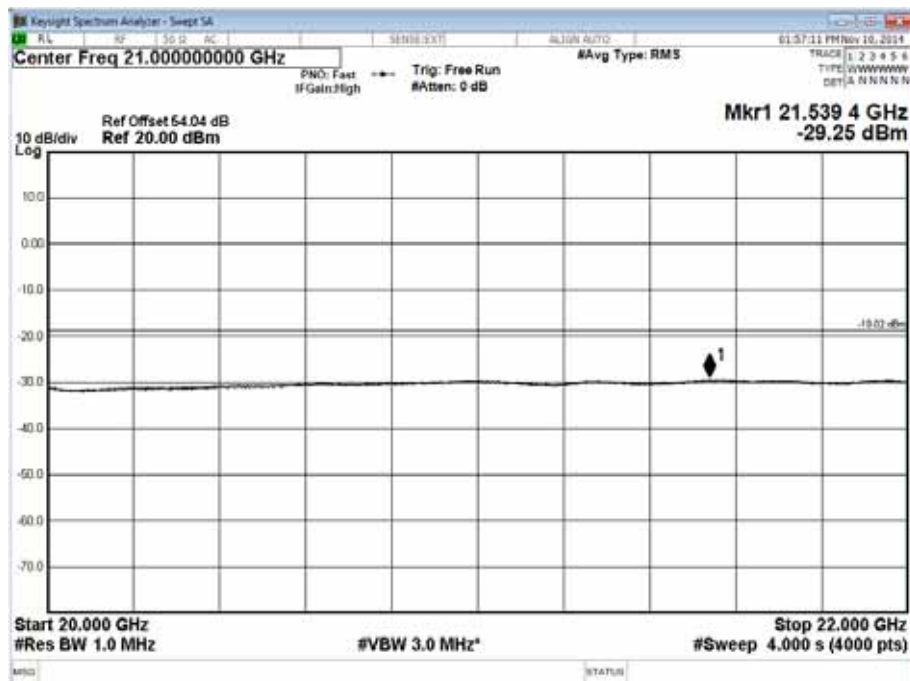
Channel Position M - Band 2 - Range 3500 to 12000 MHz - Antenna A



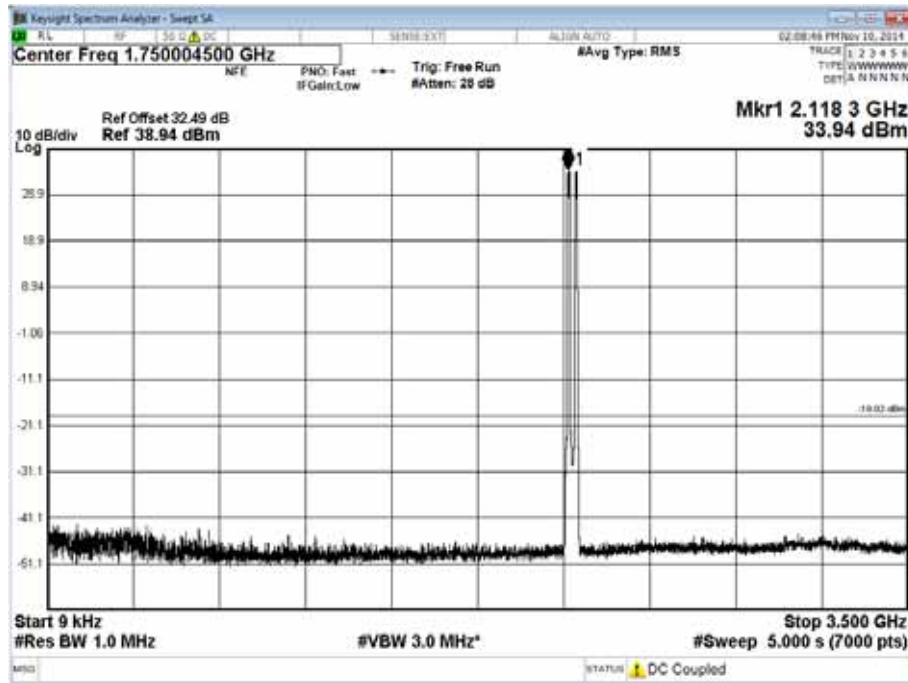
Channel Position M - Band 3 - Range 12000 to 20000 MHz - Antenna A



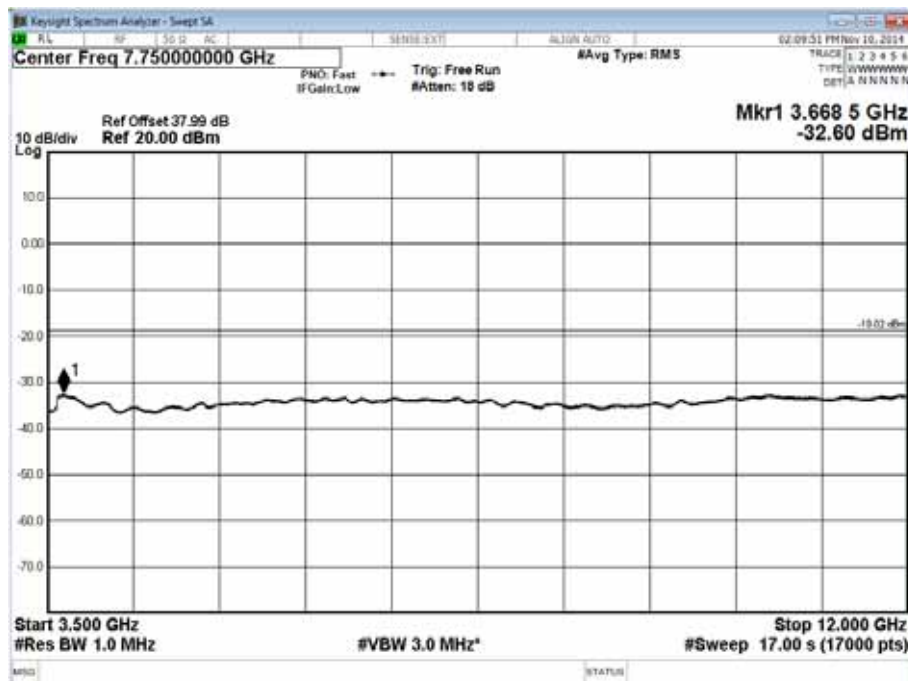
Channel Position M - Band 4 - Range 20000 to 22000 MHz - Antenna A



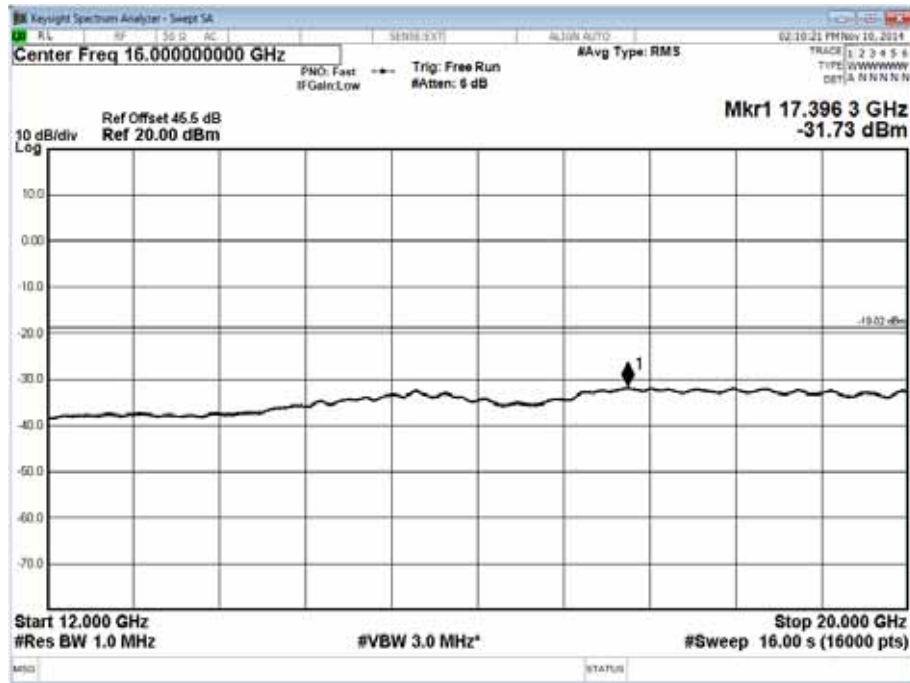
Channel Position T - Band 1 - Range 0.009 to 3500 MHz - Antenna A



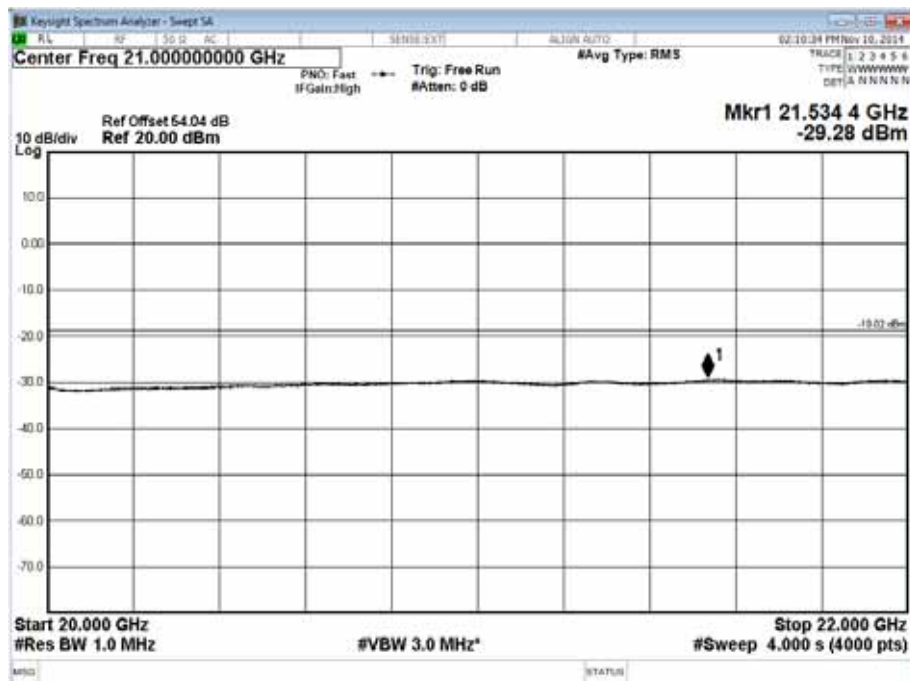
Channel Position T - Band 2 - Range 3500 to 12000 MHz - Antenna A



Channel Position T - Band 3 - Range 12000 to 20000 MHz - Antenna A



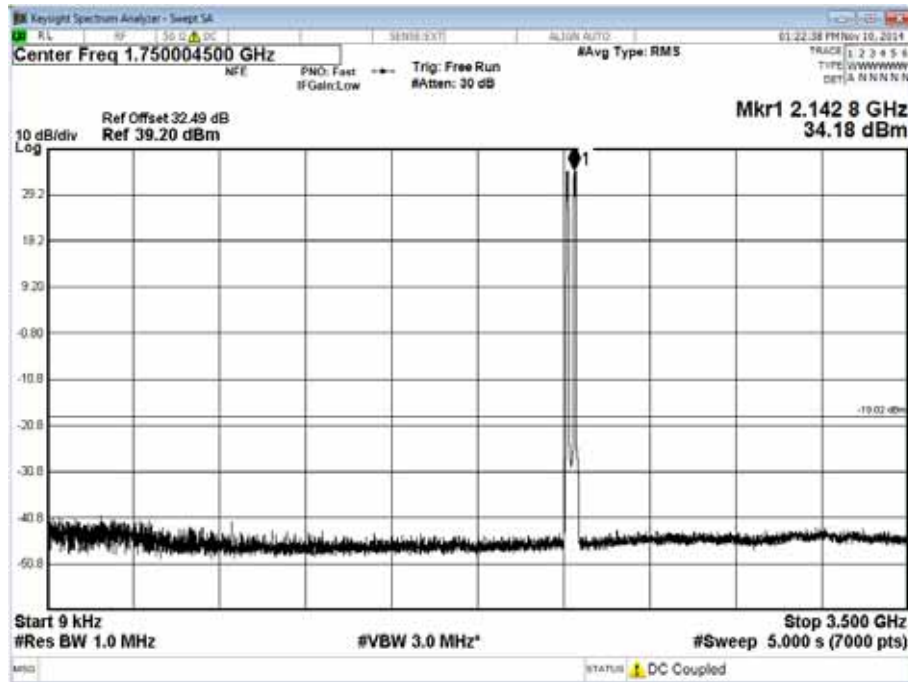
Channel Position T - Band 4 - Range 20000 to 22000 MHz - Antenna A



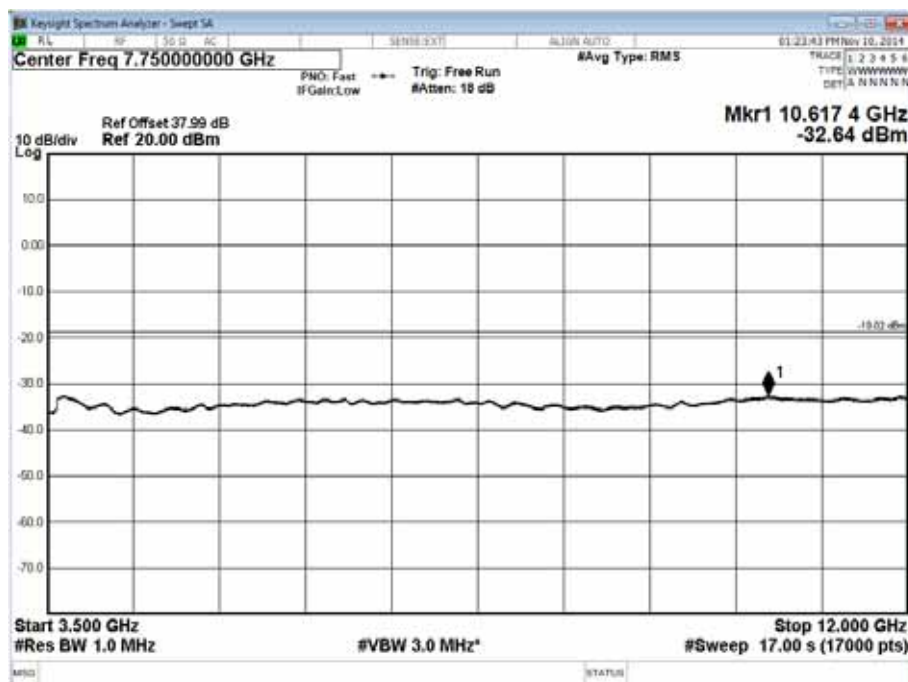
Configuration 3 WCDMA-MC2 (See Table 1 for carrier frequency)

Maximum Output Power 38.75 dBm per carrier, TM5 (4 Carrier), Antenna Port B

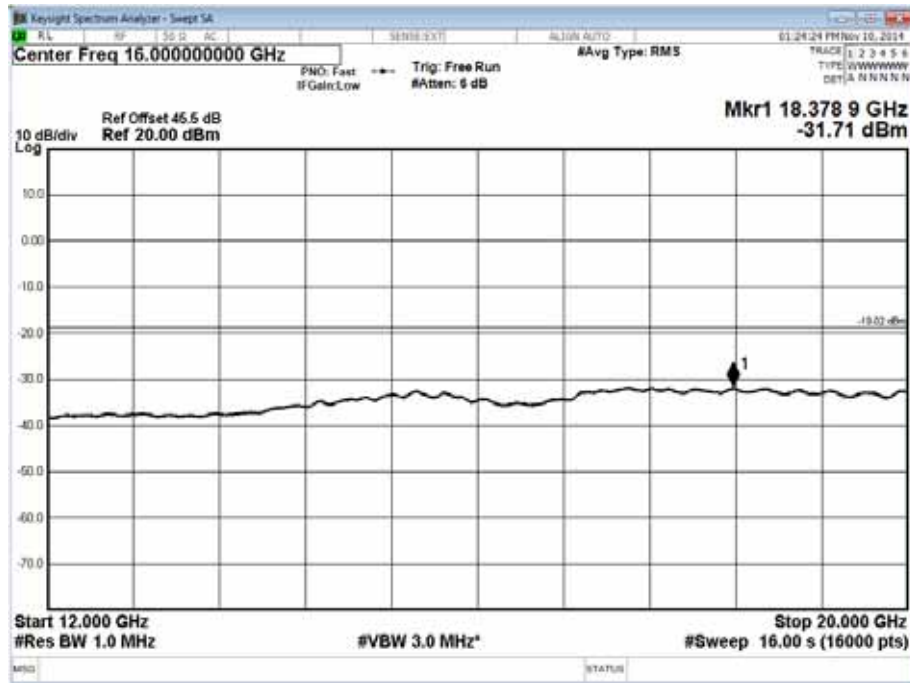
Channel Position B - Band 1 - Range 0.009 to 3500 MHz - Antenna B



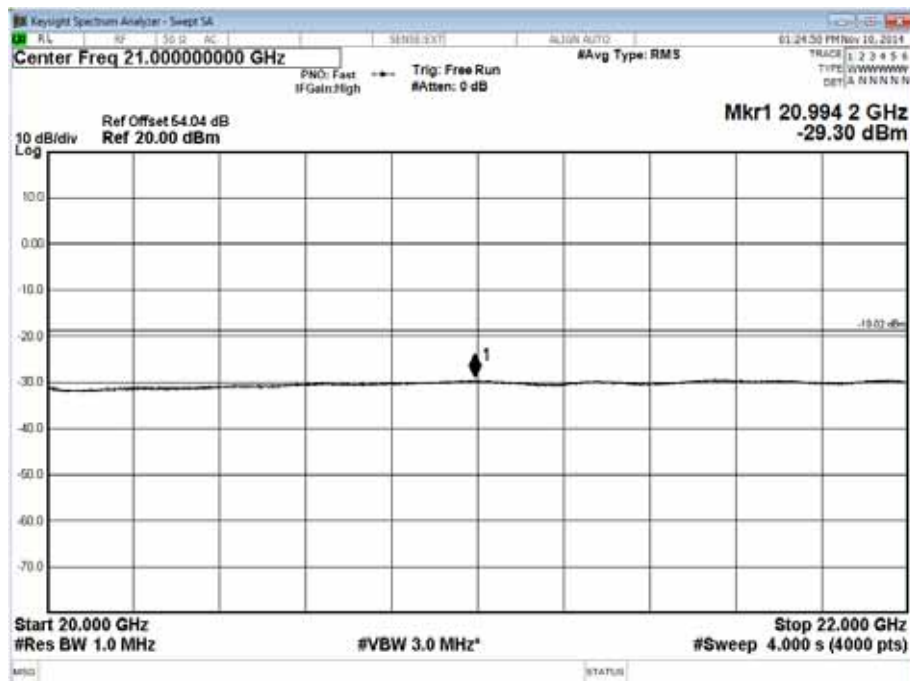
Channel Position B - Band 2 - Range 3500 to 12000 MHz - Antenna B



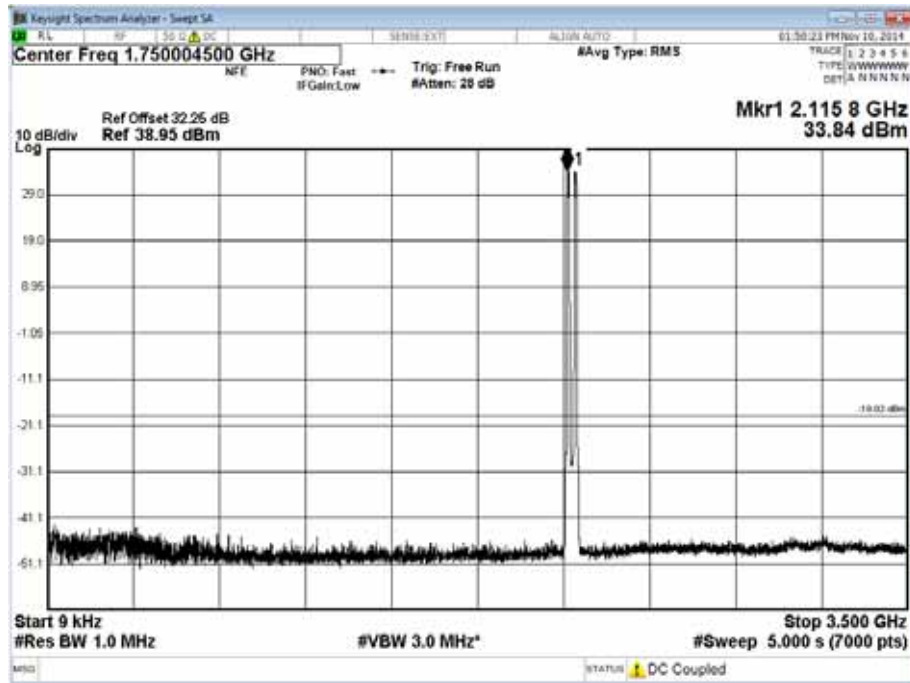
Channel Position B - Band 3 - Range 12000 to 20000 MHz - Antenna B



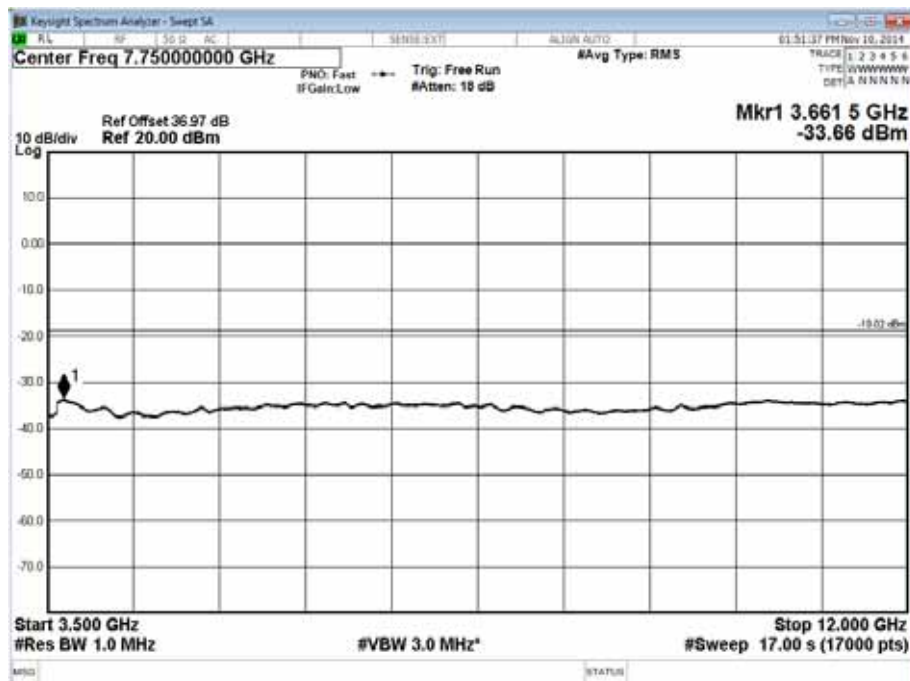
Channel Position B - Band 4 - Range 20000 to 22000 MHz - Antenna B



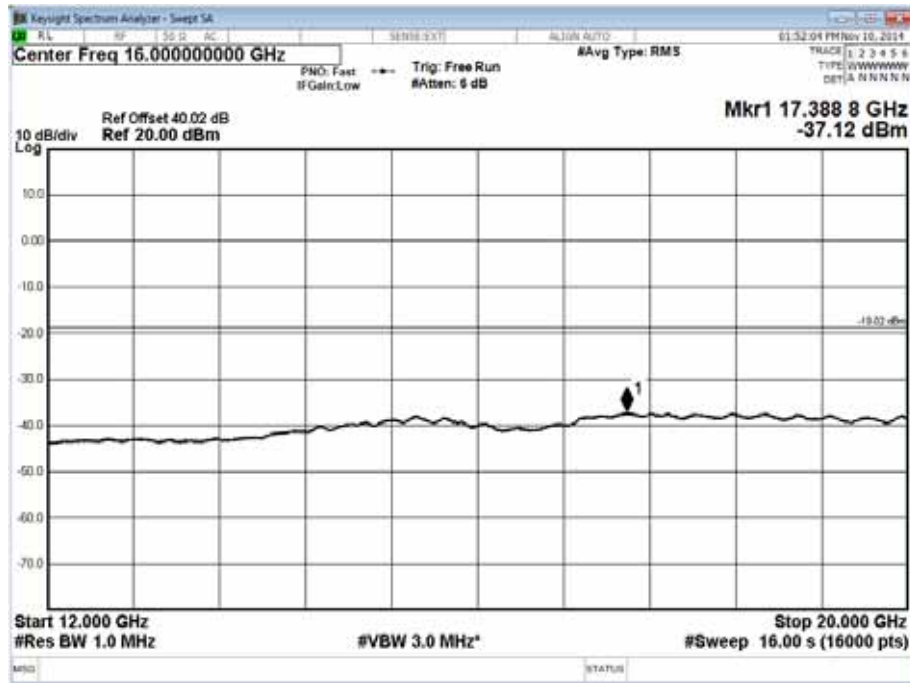
Channel Position M - Band 1 - Range 0.009 to 3500 MHz - Antenna B



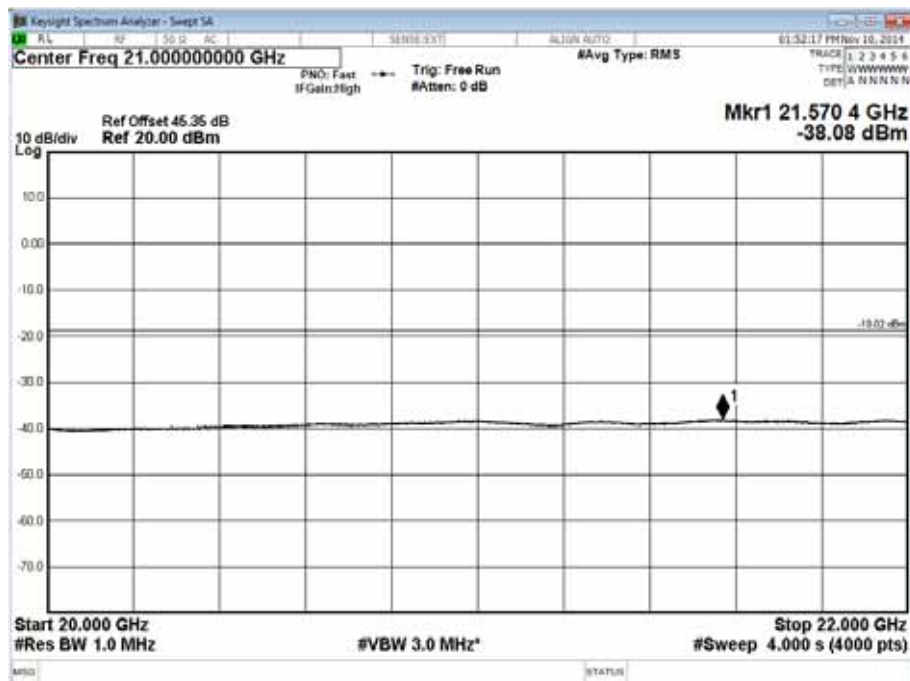
Channel Position M - Band 2 - Range 3500 to 12000 MHz - Antenna B



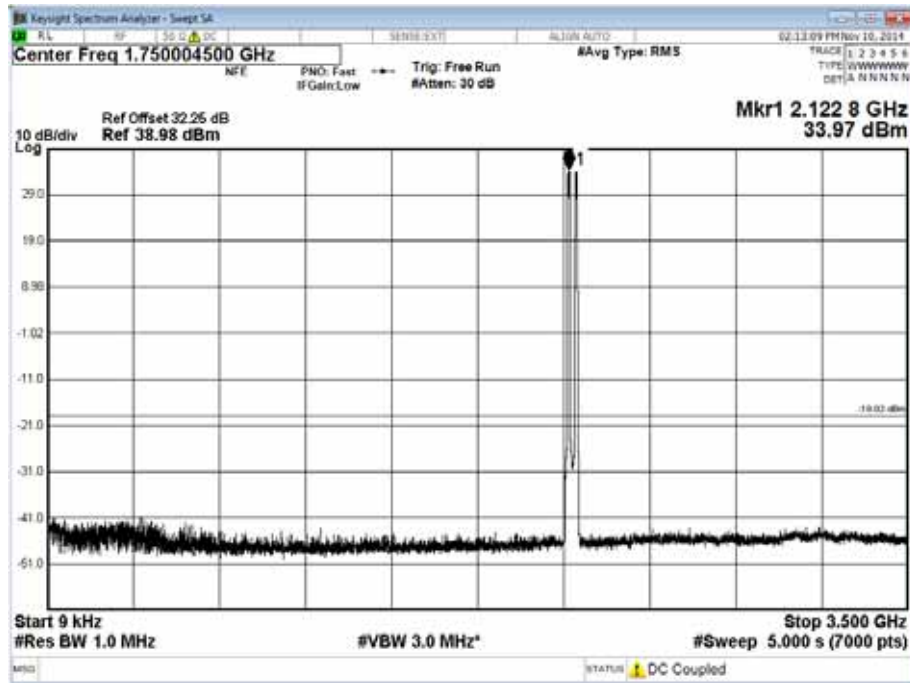
Channel Position M - Band 3 - Range 12000 to 20000 MHz - Antenna B



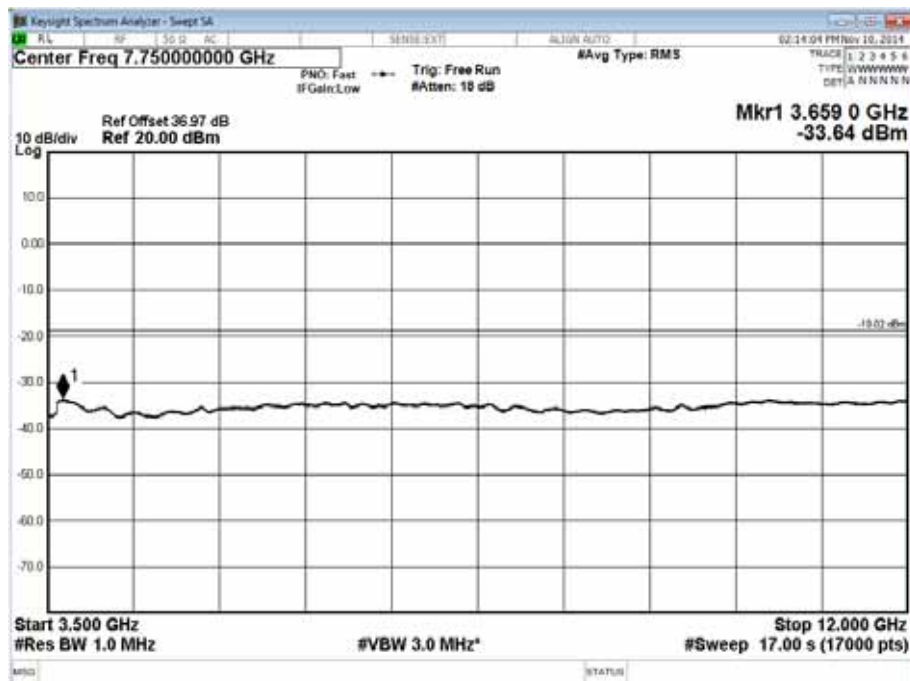
Channel Position M - Band 4 - Range 20000 to 22000 MHz - Antenna B



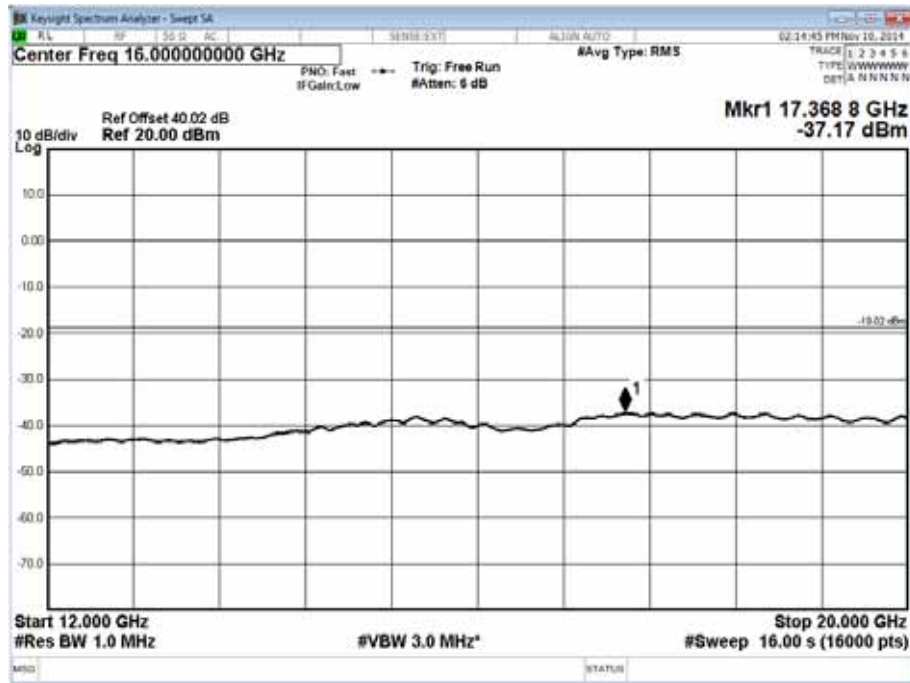
Channel Position T - Band 1 - Range 0.009 to 3500 MHz - Antenna B



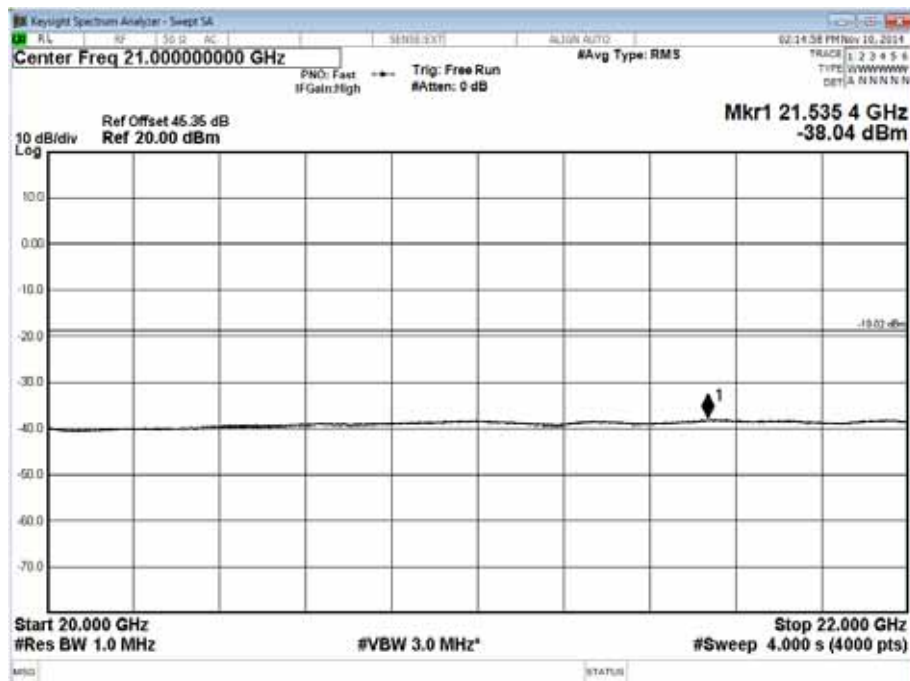
Channel Position T - Band 2 - Range 3500 to 12000 MHz - Antenna B



Channel Position T - Band 3 - Range 12000 to 20000 MHz - Antenna B



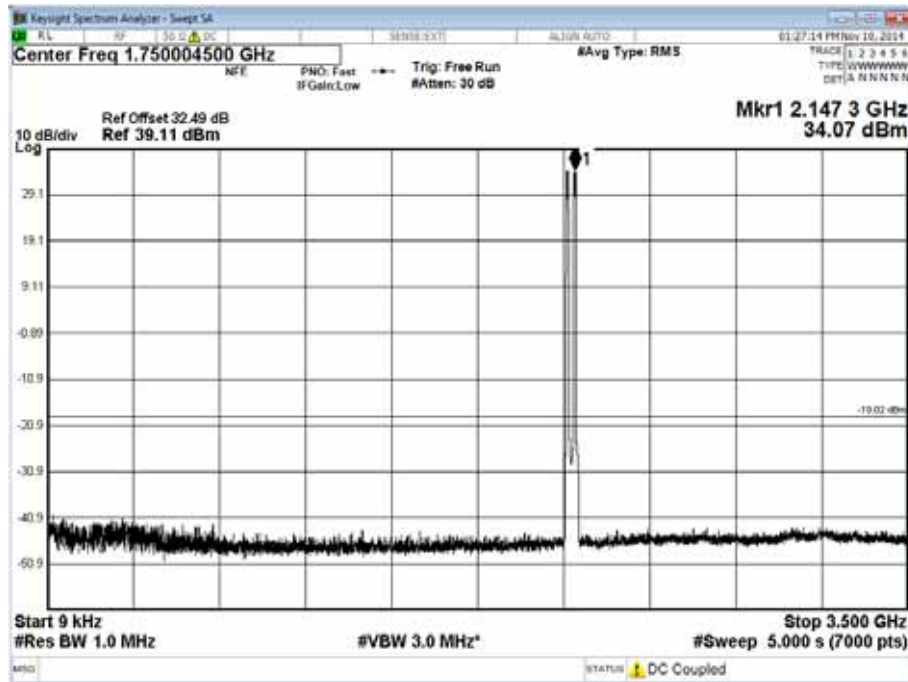
Channel Position T - Band 4 - Range 20000 to 22000 MHz - Antenna B



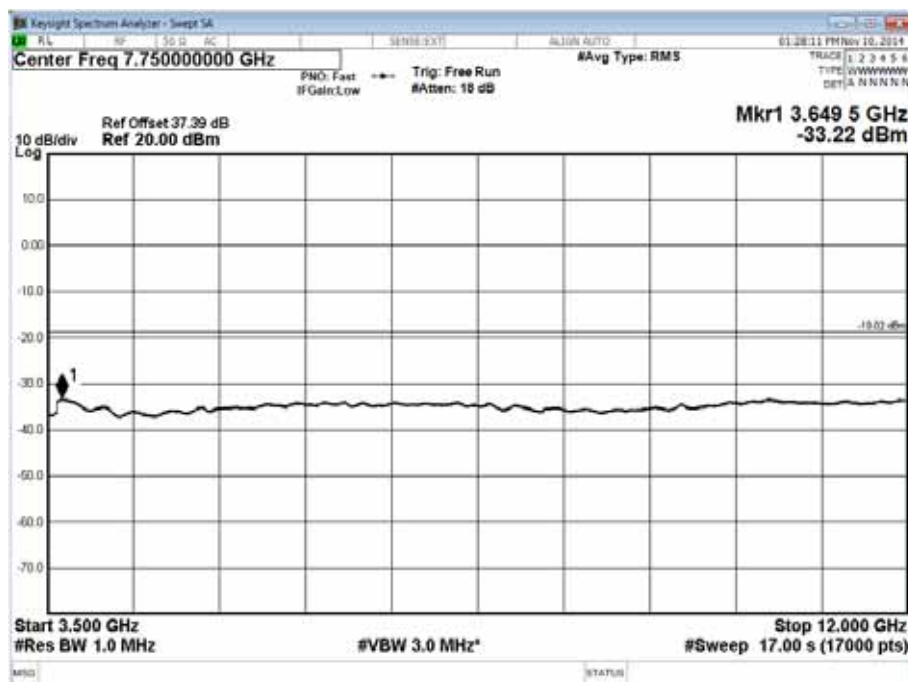
Configuration 3 WCDMA-MC2 (See Table 1 for carrier frequency)

Maximum Output Power 38.75 dBm per carrier, TM5 (4 Carrier), Antenna Port C

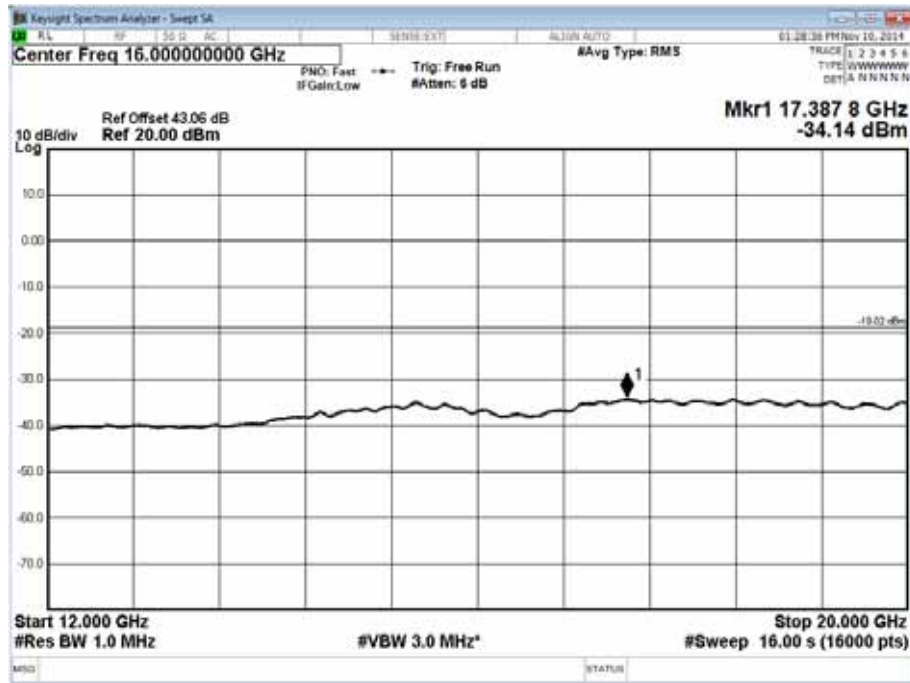
Channel Position B - Band 1 - Range 0.009 to 3500 MHz - Antenna C



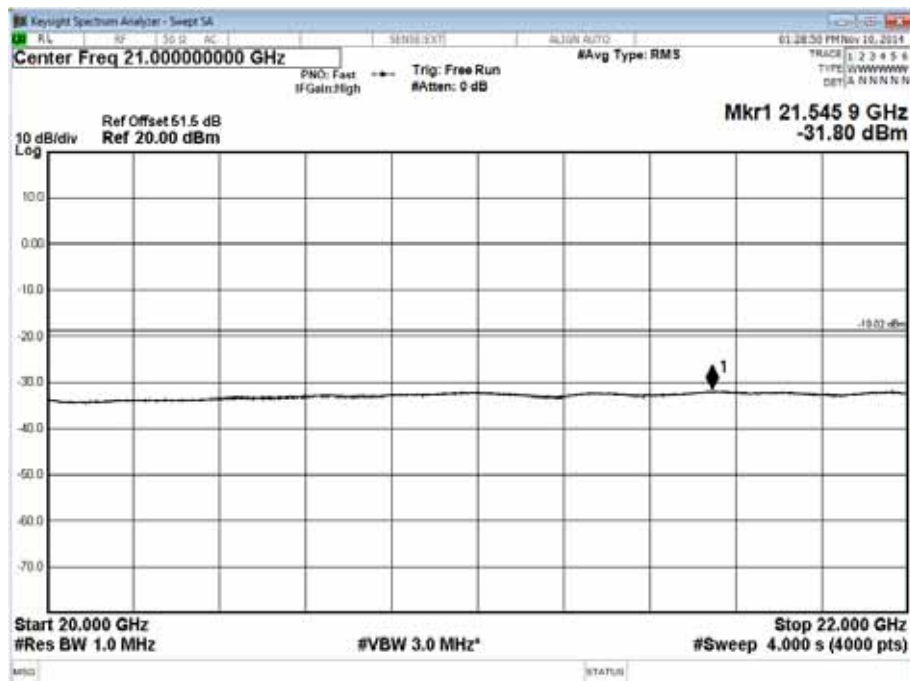
Channel Position B - Band 2 - Range 3500 to 12000 MHz - Antenna C



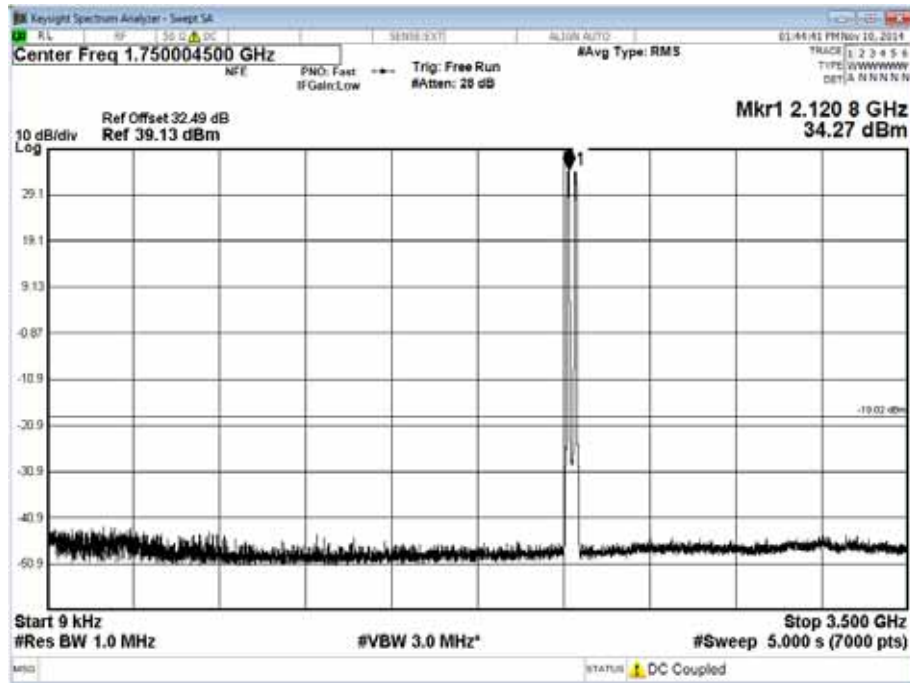
Channel Position B - Band 3 - Range 12000 to 20000 MHz - Antenna C



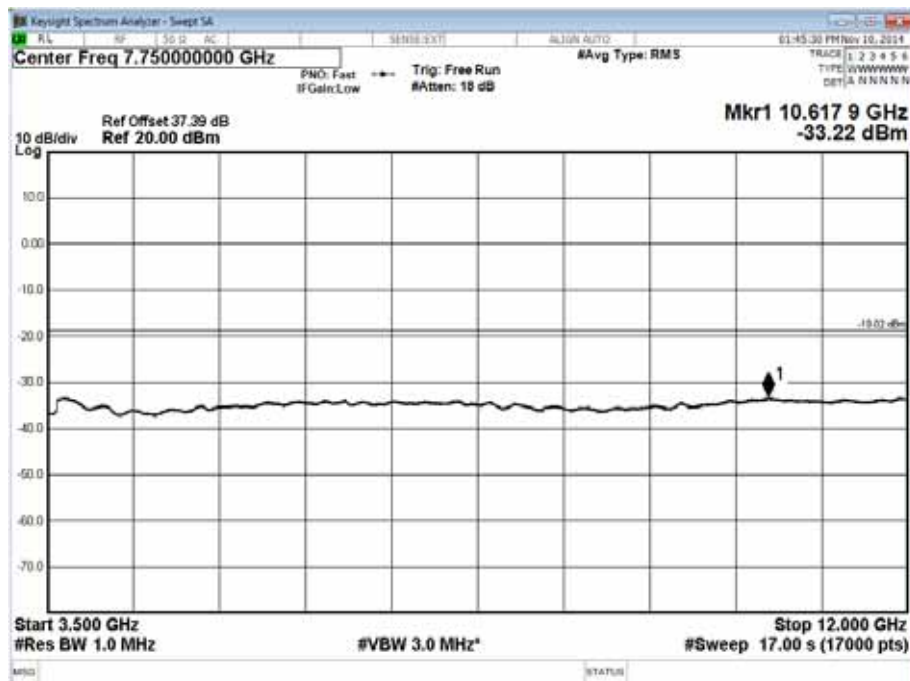
Channel Position B - Band 4 - Range 20000 to 22000 MHz - Antenna C



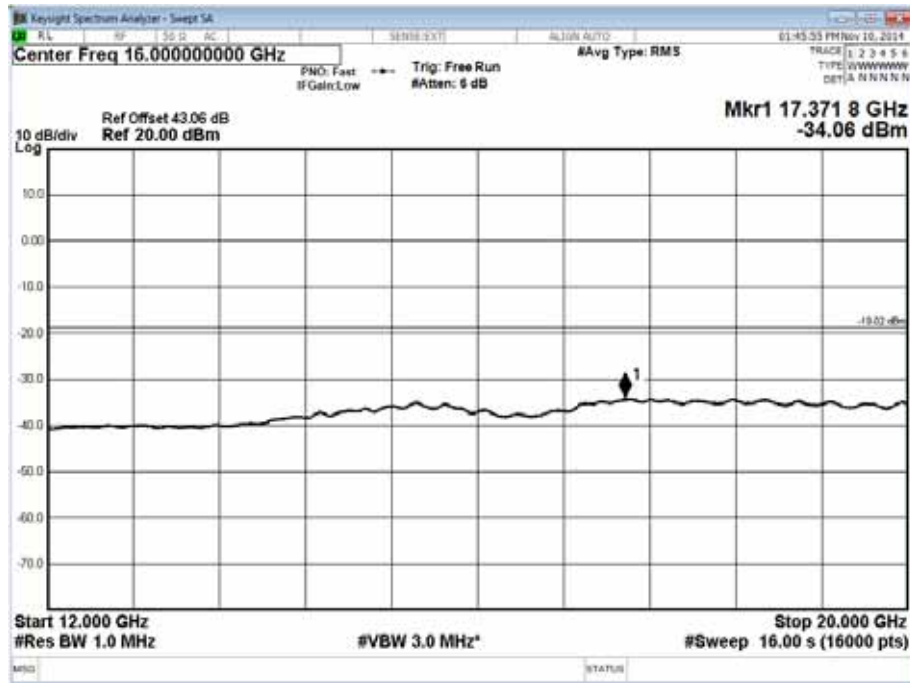
Channel Position M - Band 1 - Range 0.009 to 3500 MHz - Antenna C



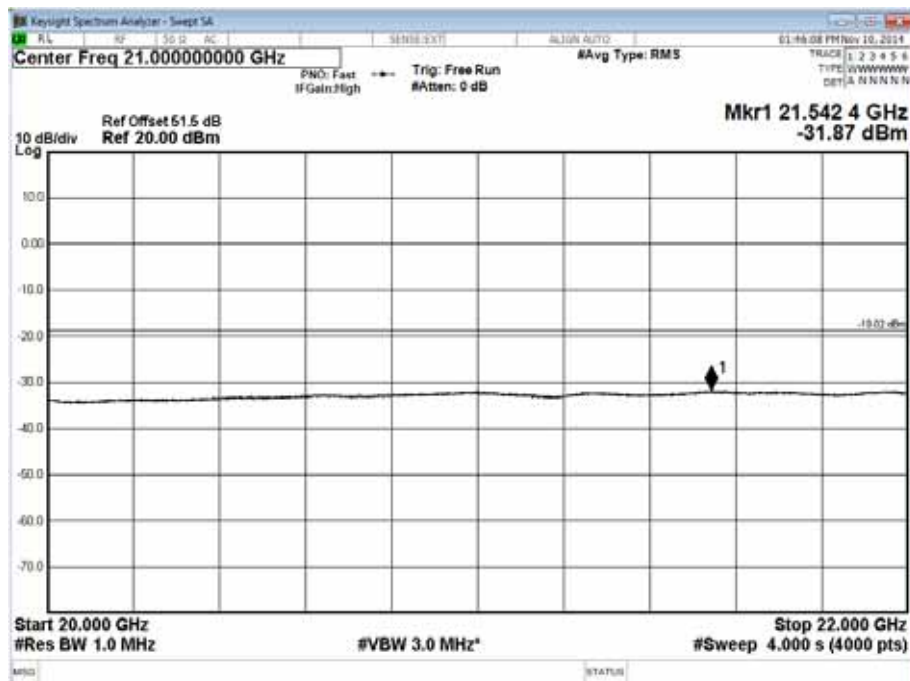
Channel Position M - Band 2 - Range 3500 to 12000 MHz - Antenna C



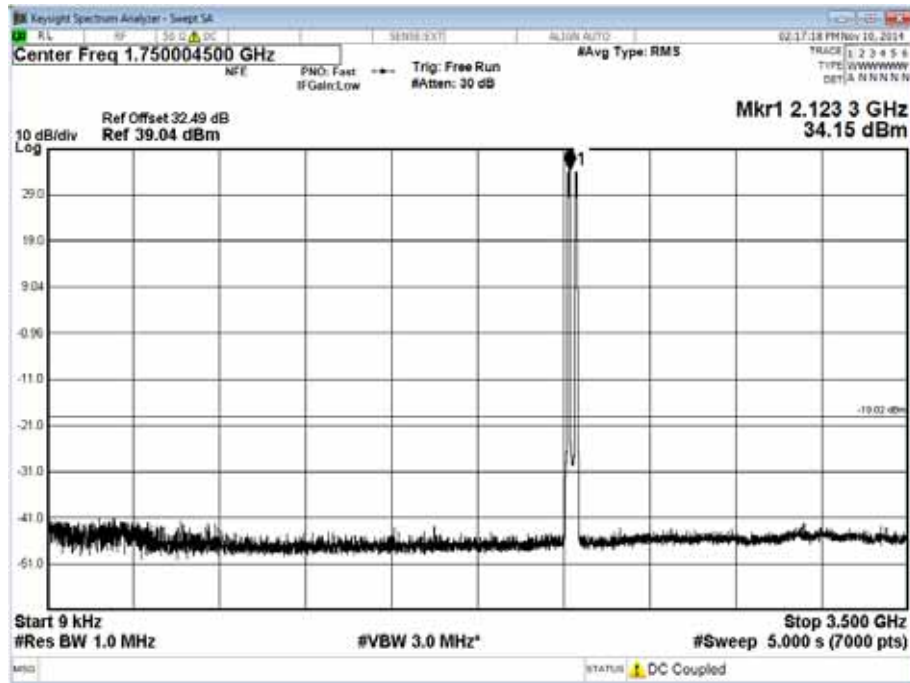
Channel Position M - Band 3 - Range 12000 to 20000 MHz - Antenna C



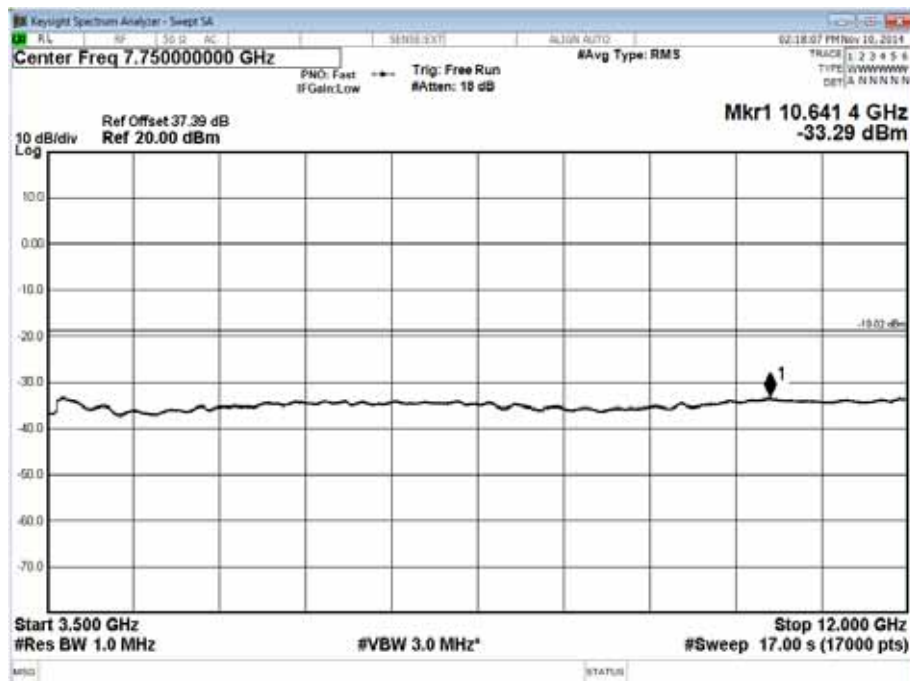
Channel Position M - Band 4 - Range 20000 to 22000 MHz - Antenna C



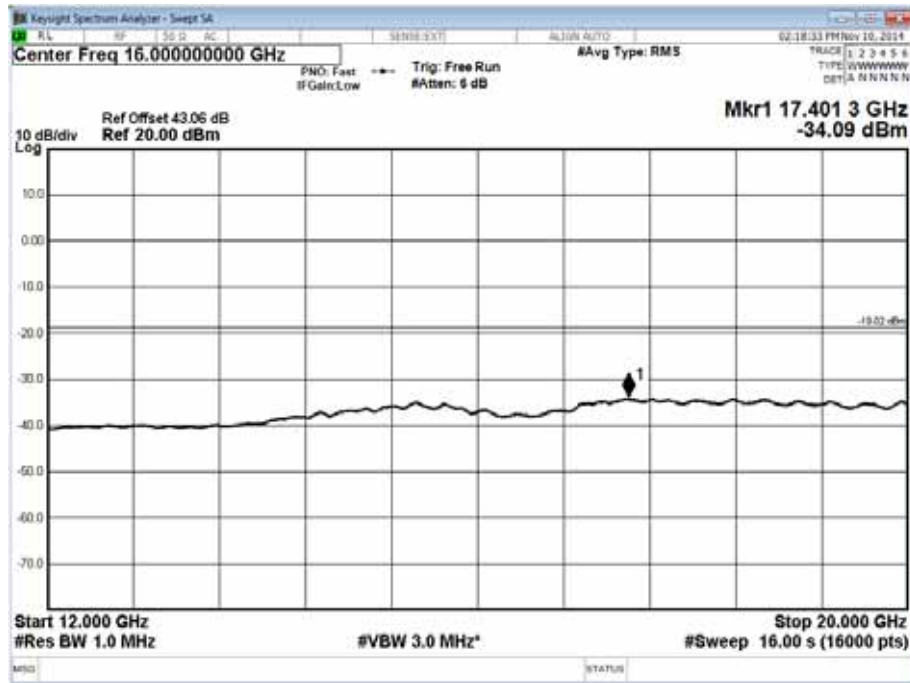
Channel Position T - Band 1 - Range 0.009 to 3500 MHz - Antenna C



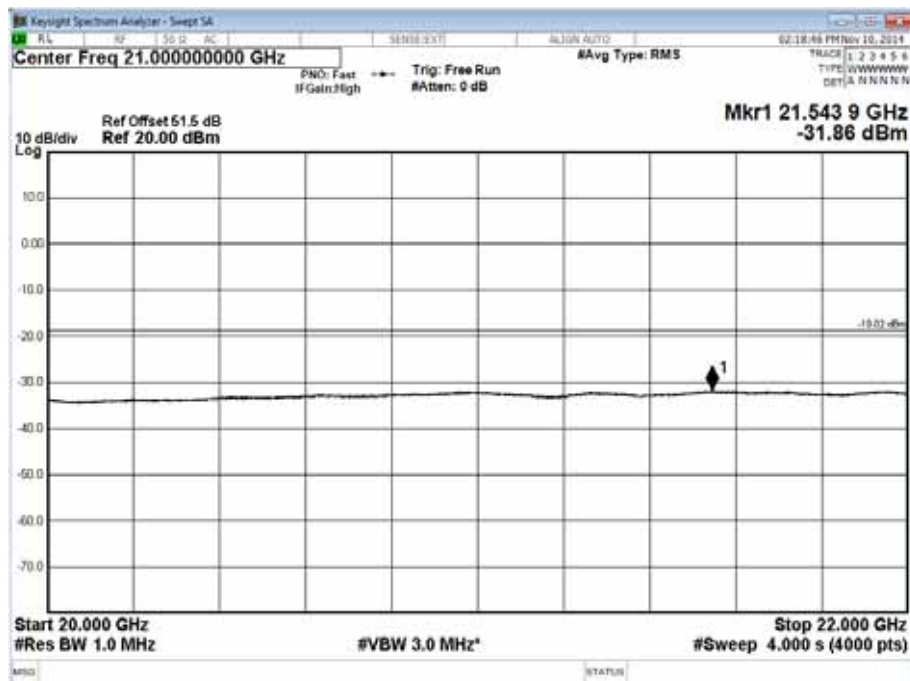
Channel Position T - Band 2 - Range 3500 to 12000 MHz - Antenna C



Channel Position T - Band 3 - Range 12000 to 20000 MHz - Antenna C



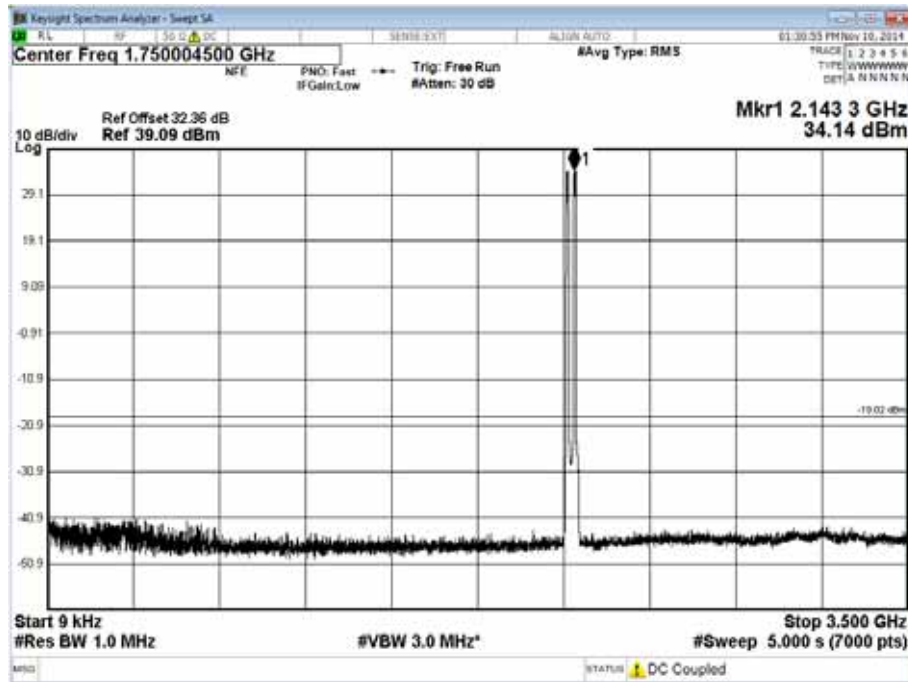
Channel Position T - Band 4 - Range 20000 to 22000 MHz - Antenna C



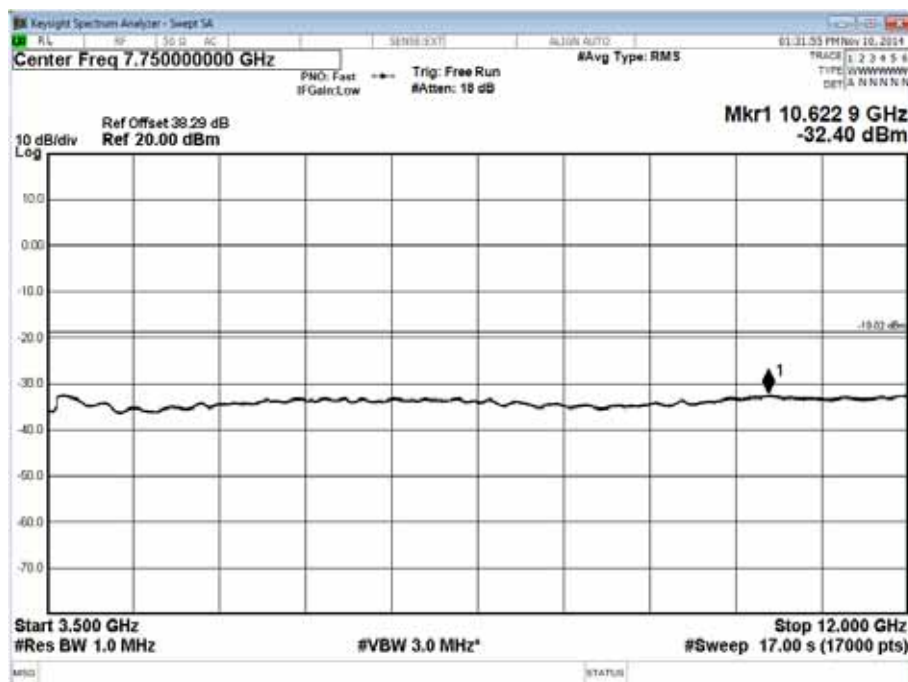
Configuration 3 WCDMA-MC2 (See Table 1 for carrier frequency)

Maximum Output Power 38.75 dBm per carrier, TM5 (4 Carrier), Antenna Port D

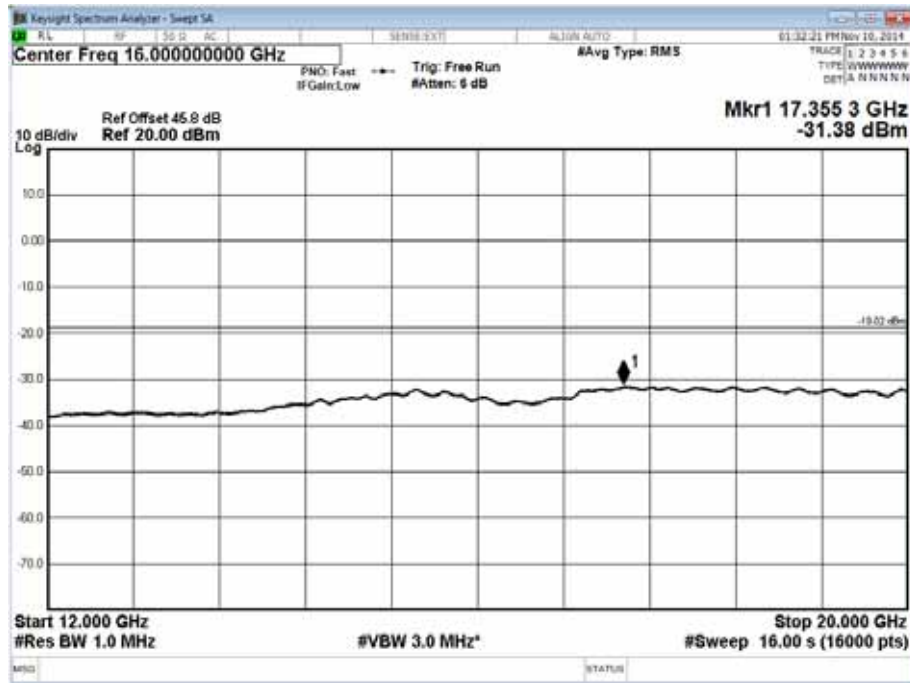
Channel Position B - Band 1 - Range 0.009 to 3500 MHz - Antenna D



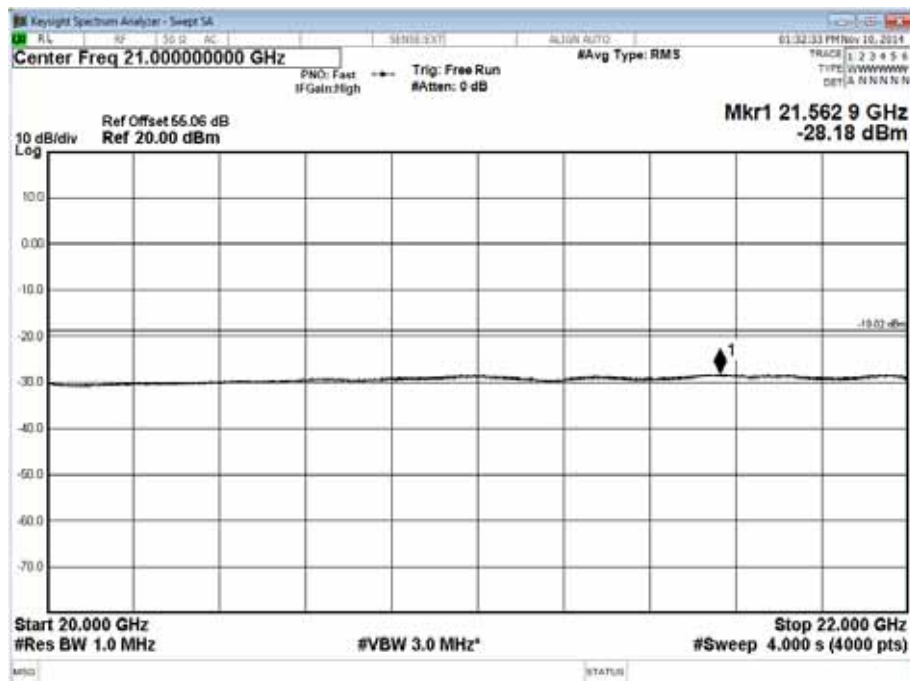
Channel Position B - Band 2 - Range 3500 to 12000 MHz - Antenna D



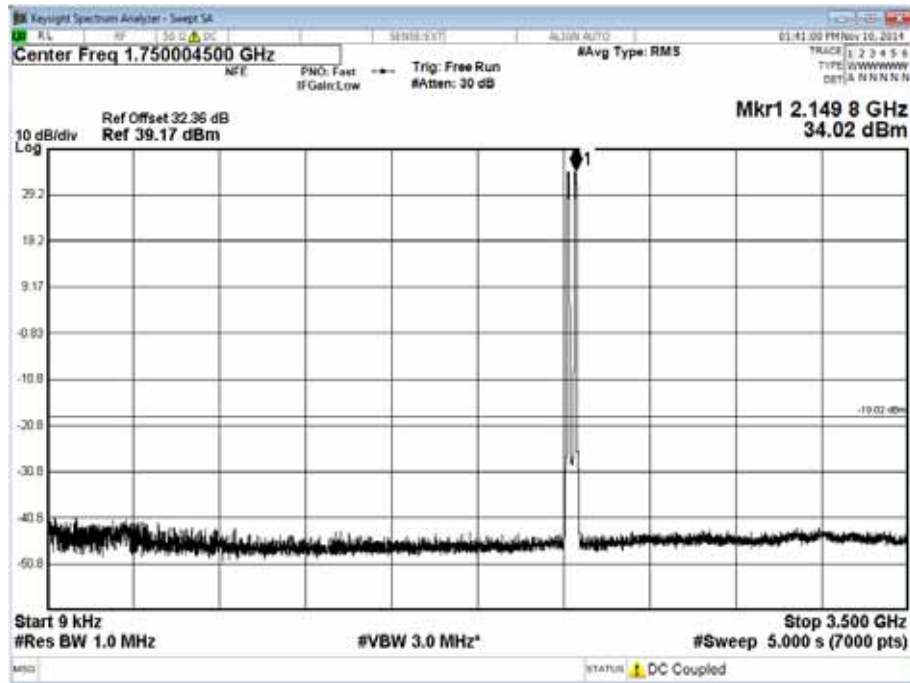
Channel Position B - Band 3 - Range 12000 to 20000 MHz - Antenna D



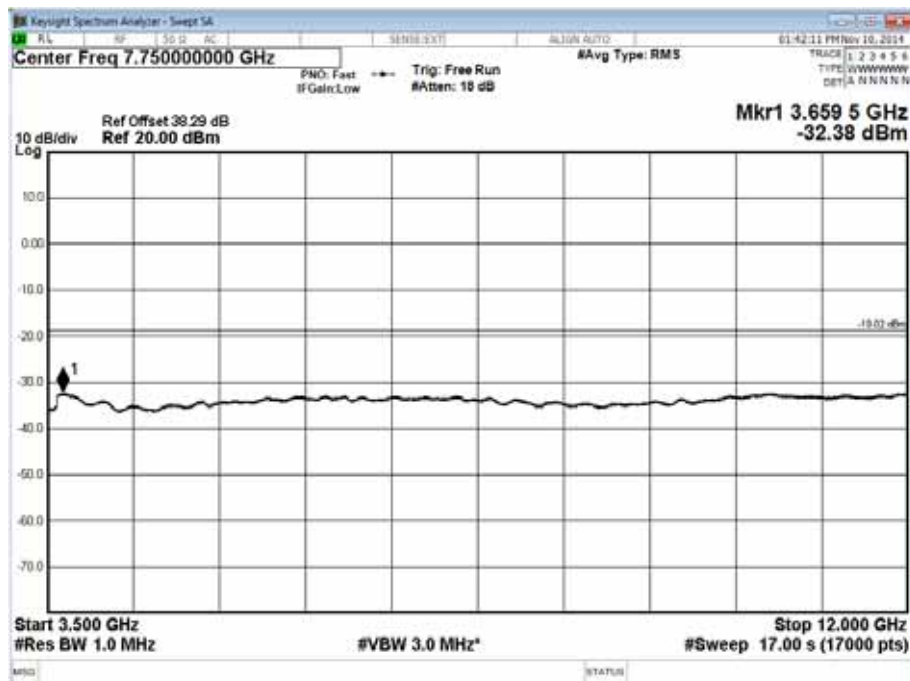
Channel Position B - Band 4 - Range 20000 to 22000 MHz - Antenna D



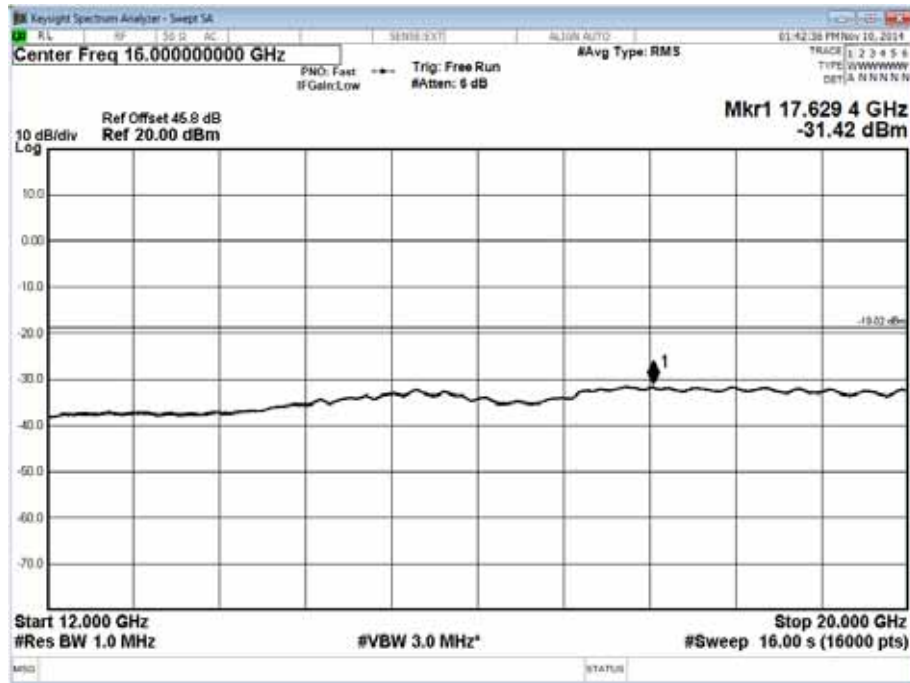
Channel Position M - Band 1 - Range 0.009 to 3500 MHz - Antenna D



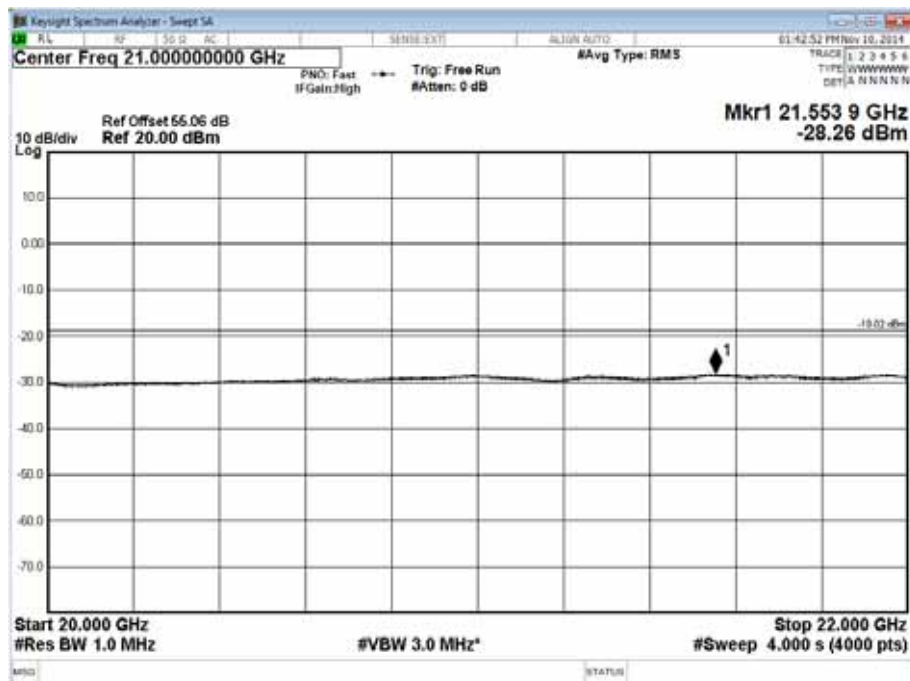
Channel Position M - Band 2 - Range 3500 to 12000 MHz - Antenna D



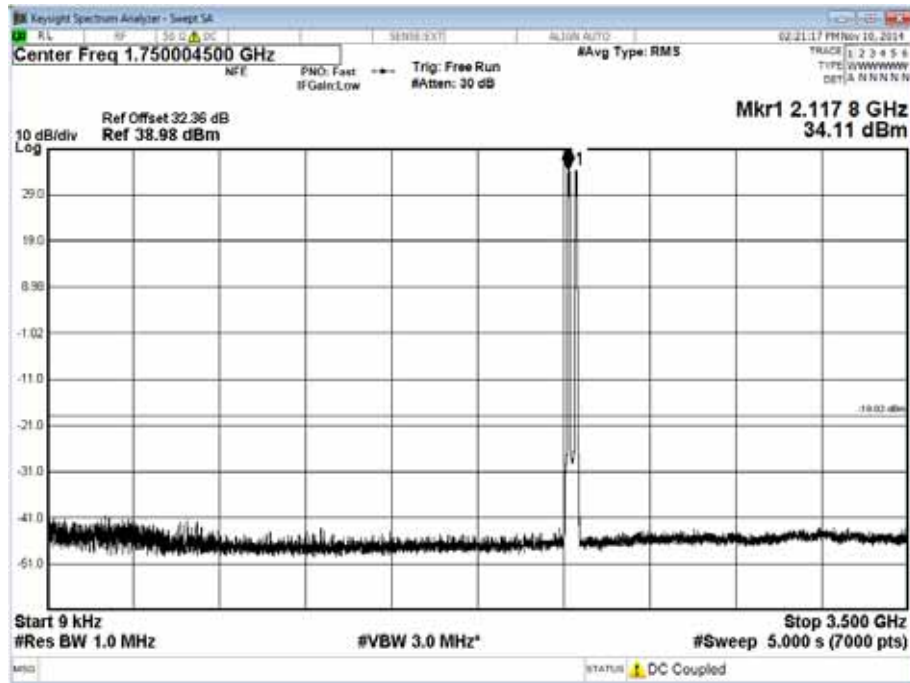
Channel Position M - Band 3 - Range 12000 to 20000 MHz - Antenna D



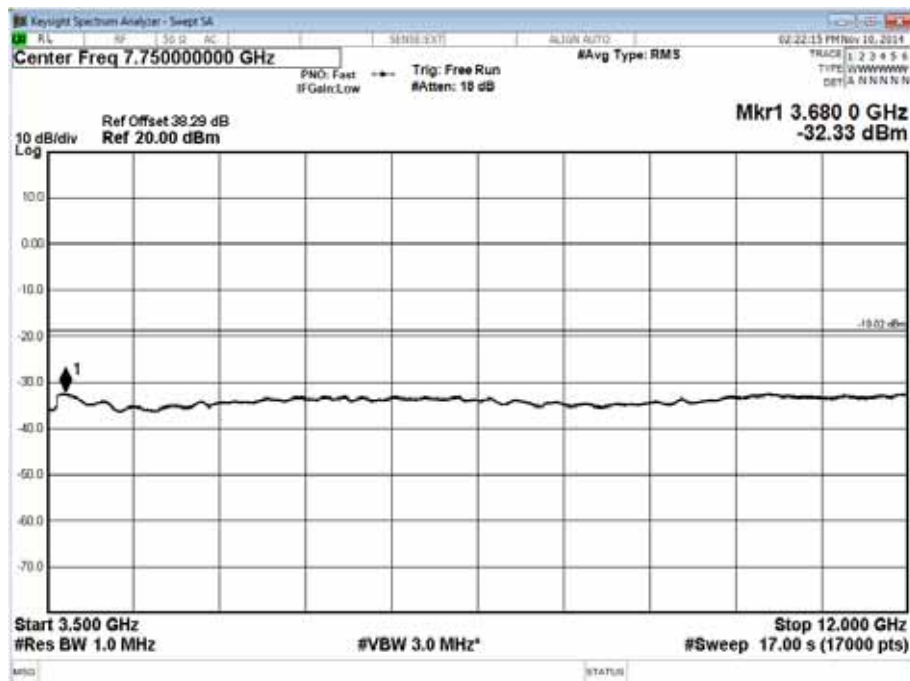
Channel Position M - Band 4 - Range 20000 to 22000 MHz - Antenna D



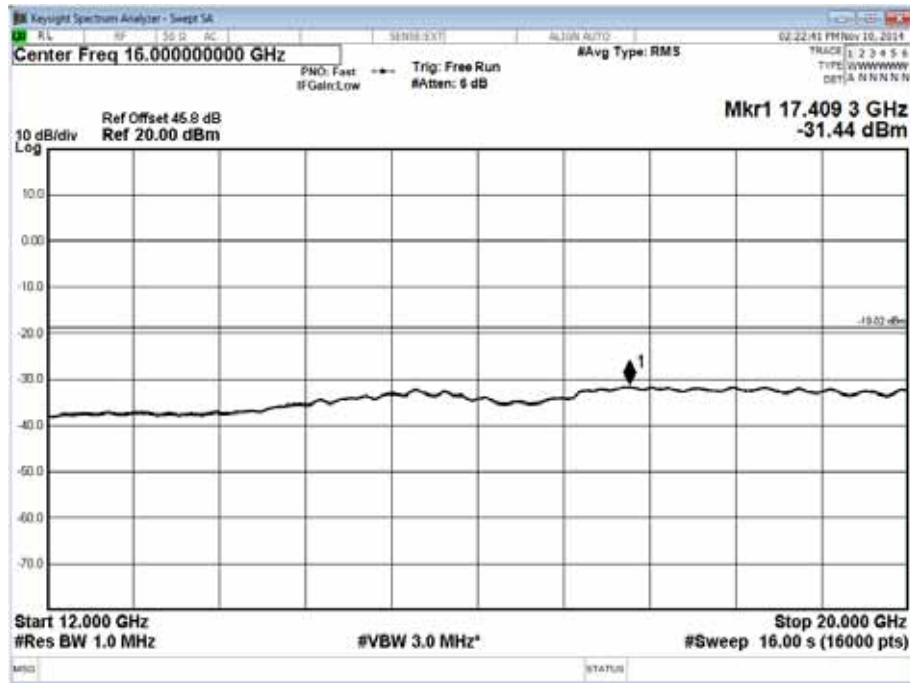
Channel Position T - Band 1 - Range 0.009 to 3500 MHz - Antenna D



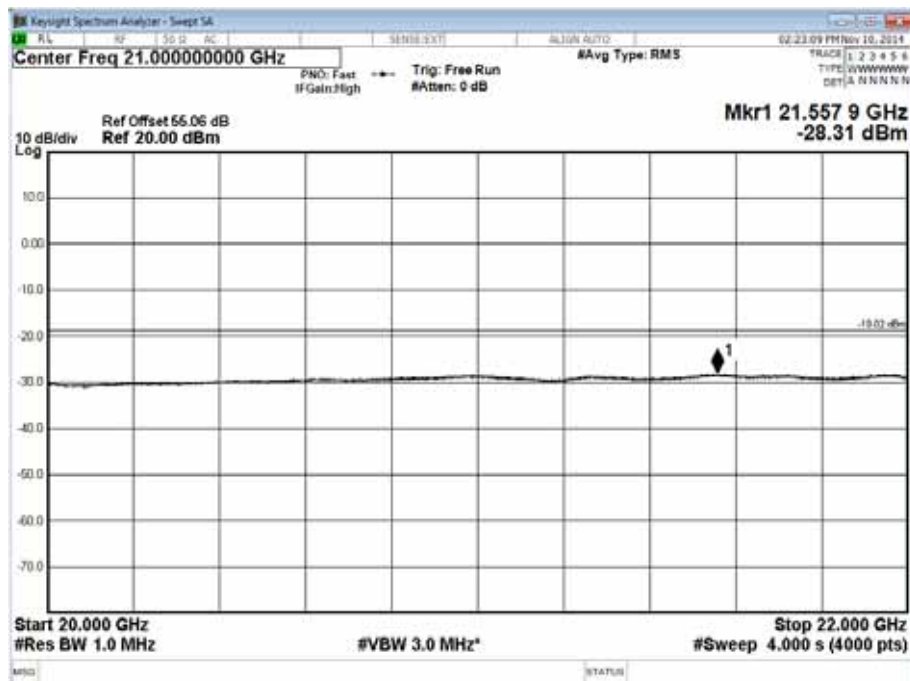
Channel Position T - Band 2 - Range 3500 to 12000 MHz - Antenna D



Channel Position T - Band 3 - Range 12000 to 20000 MHz - Antenna D



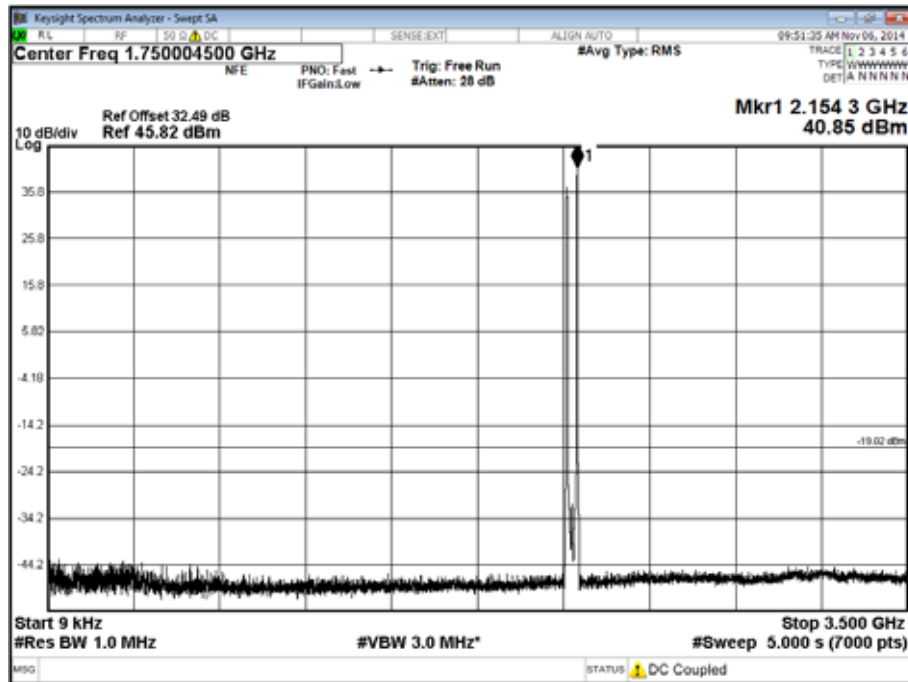
Channel Position T - Band 4 - Range 20000 to 22000 MHz - Antenna D



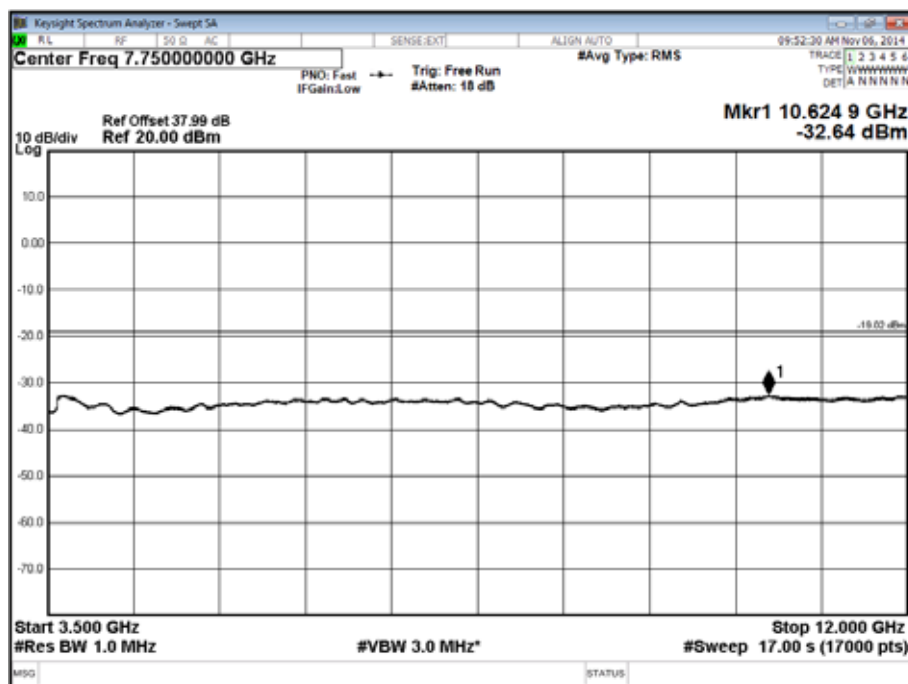
Configuration 4 WCDMA/LTE MC-3 (See Table 3 for carrier frequency)

Maximum Output Power 41.76 dBm per carrier, TM5 (WCDMA), TM1.1 (LTE), Antenna Port A

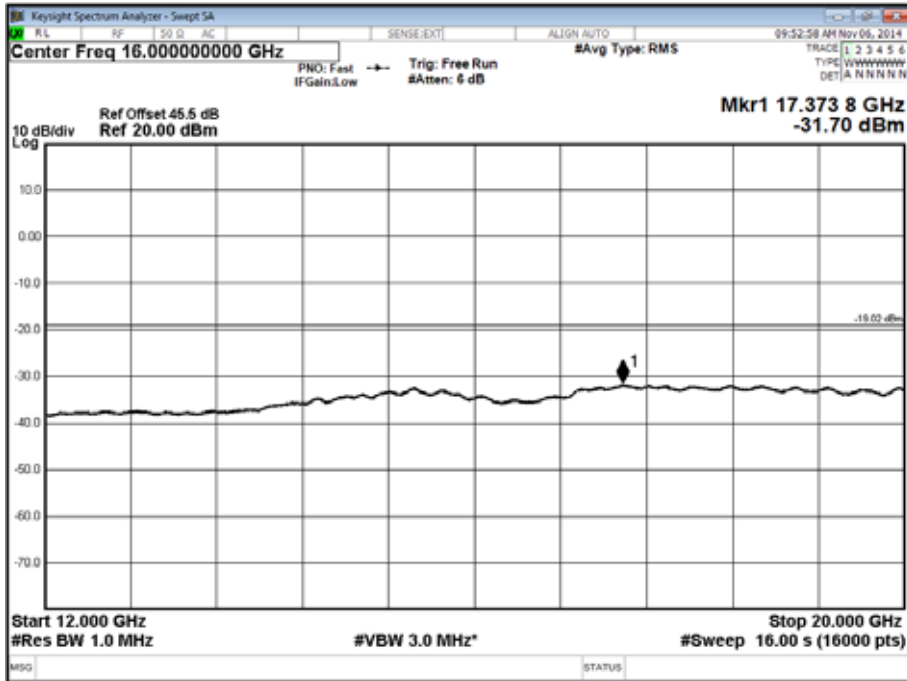
Channel Position MRFBW - Band 1 - Range 0.009 to 3500 MHz - Antenna A



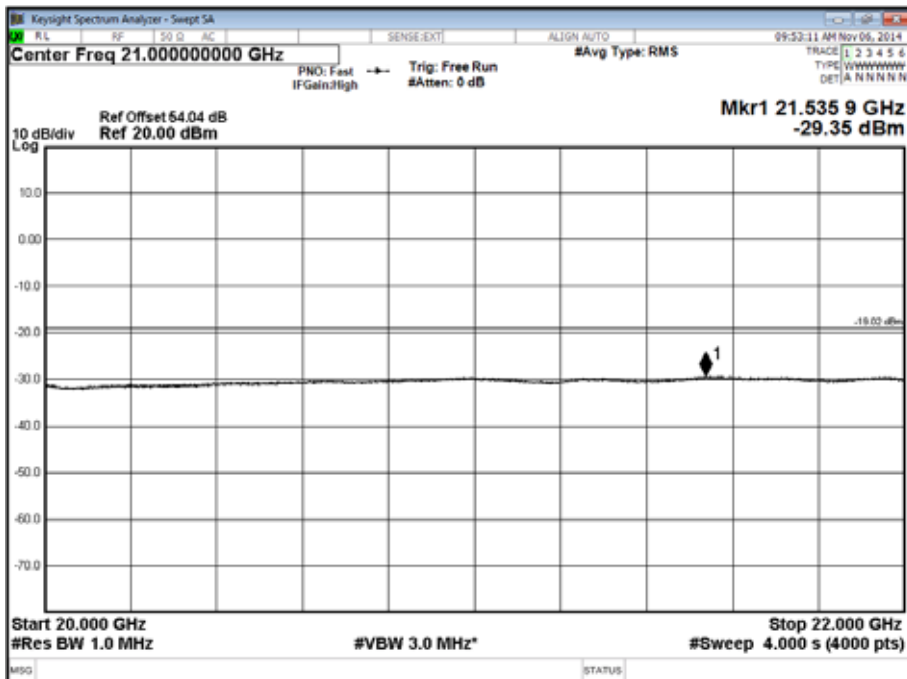
Channel Position MRFBW - Band 2 - Range 3500 to 12000 MHz - Antenna A



Channel Position MRFBW - Band 3 - Range 12000 to 20000 MHz - Antenna A



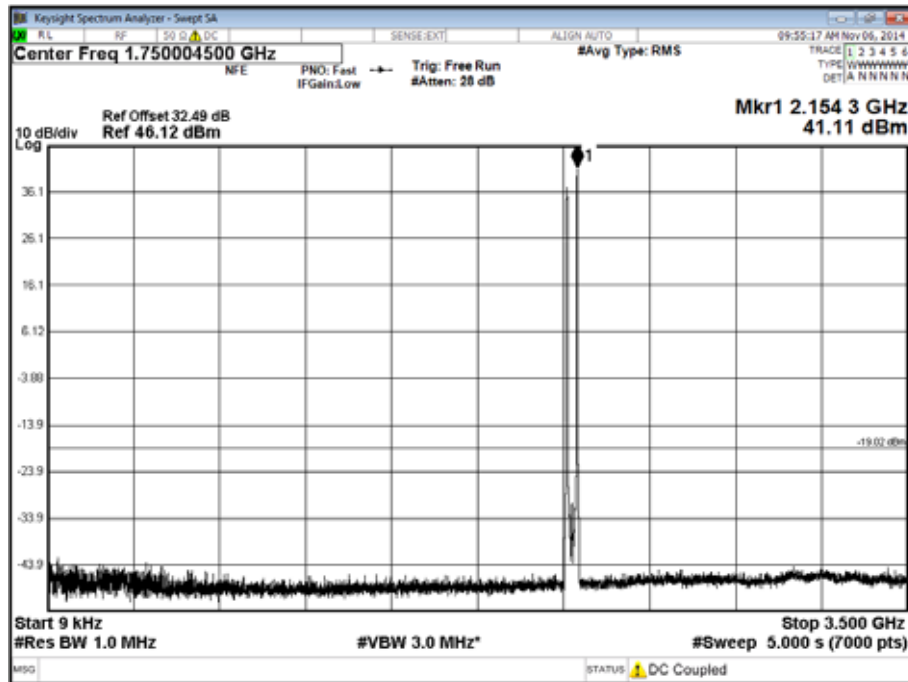
Channel Position MRFBW - Band 4 - Range 20000 to 22000 MHz - Antenna A



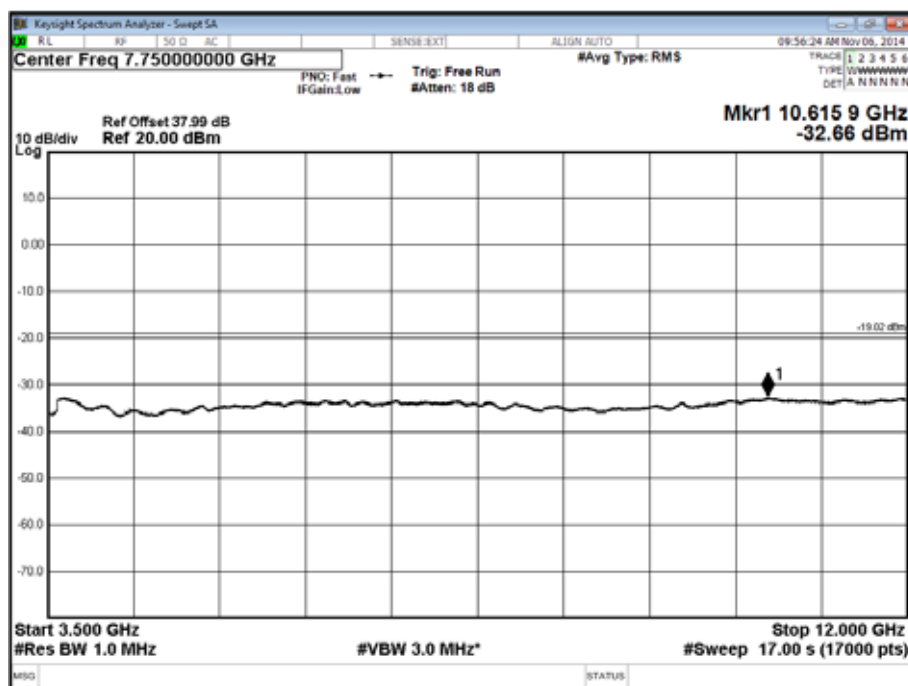
Configuration 4 WCDMA/LTE MC-3 (See Table 3 for carrier frequency)

Maximum Output Power 41.76 dBm per carrier, TM5 (WCDMA), TM1.1 (LTE), Antenna Port B

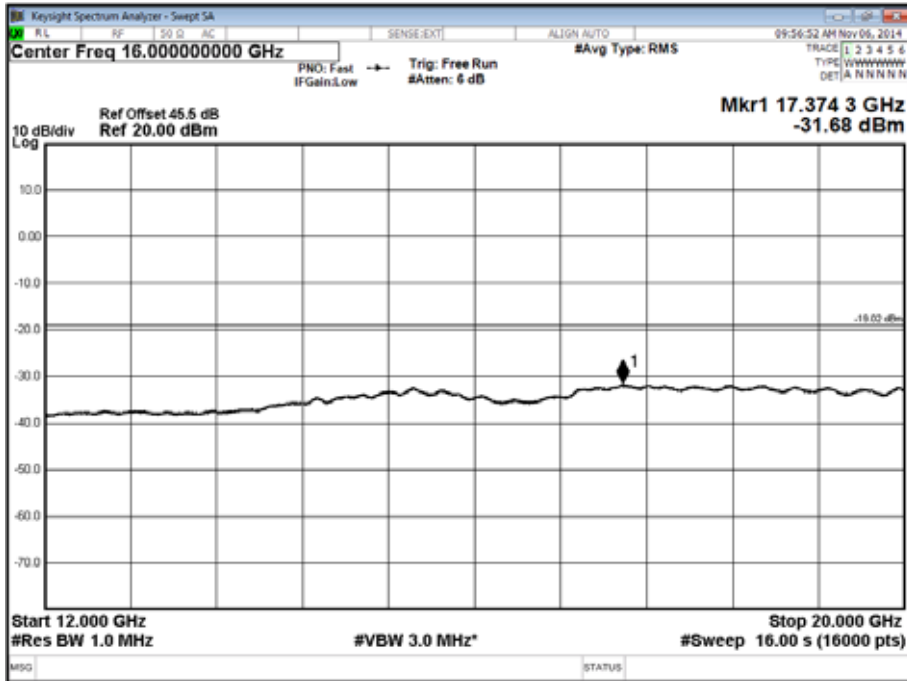
Channel Position MRFBW - Band 1 - Range 0.009 to 3500 MHz - Antenna B



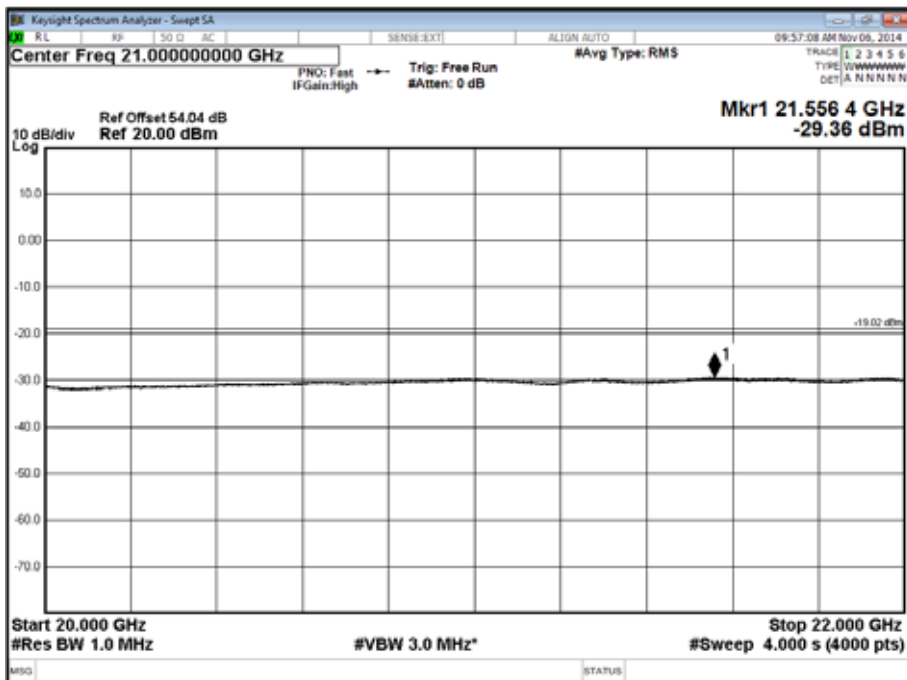
Channel Position MRFBW - Band 2 - Range 3500 to 12000 MHz - Antenna B



Channel Position MRFBW - Band 3 - Range 12000 to 20000 MHz - Antenna B



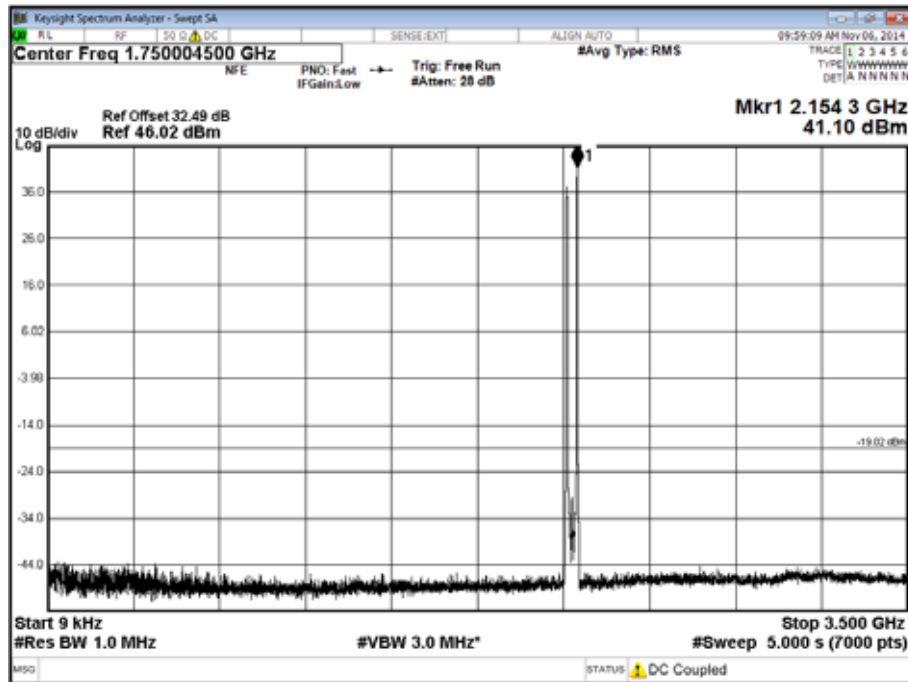
Channel Position MRFBW - Band 4 - Range 20000 to 22000 MHz - Antenna B



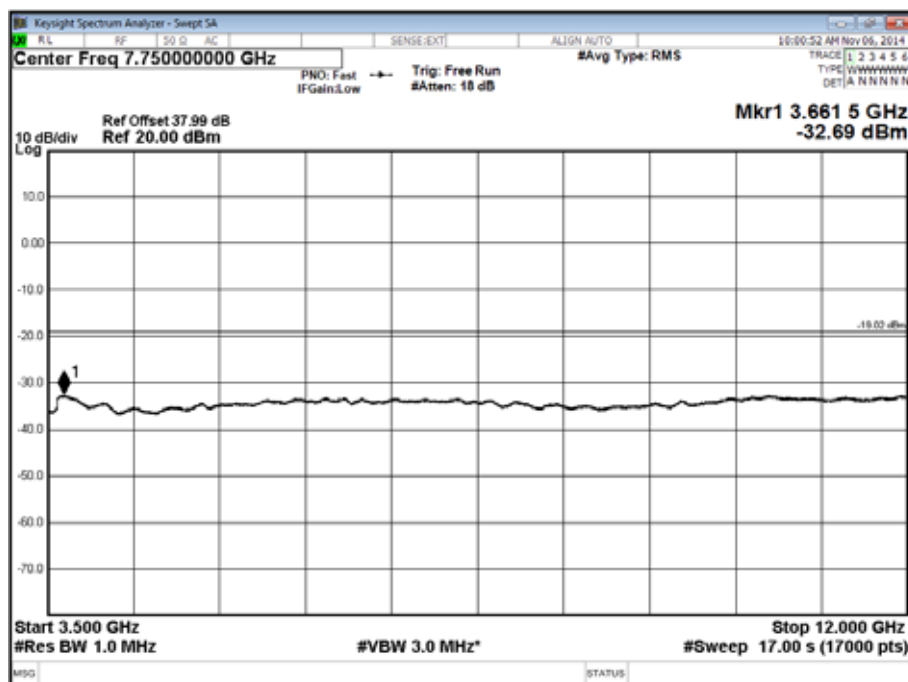
Configuration 4 WCDMA/LTE MC-3 (See Table 3 for carrier frequency)

Maximum Output Power 41.76 dBm per carrier, TM5 (WCDMA), TM1.1 (LTE), Antenna Port C

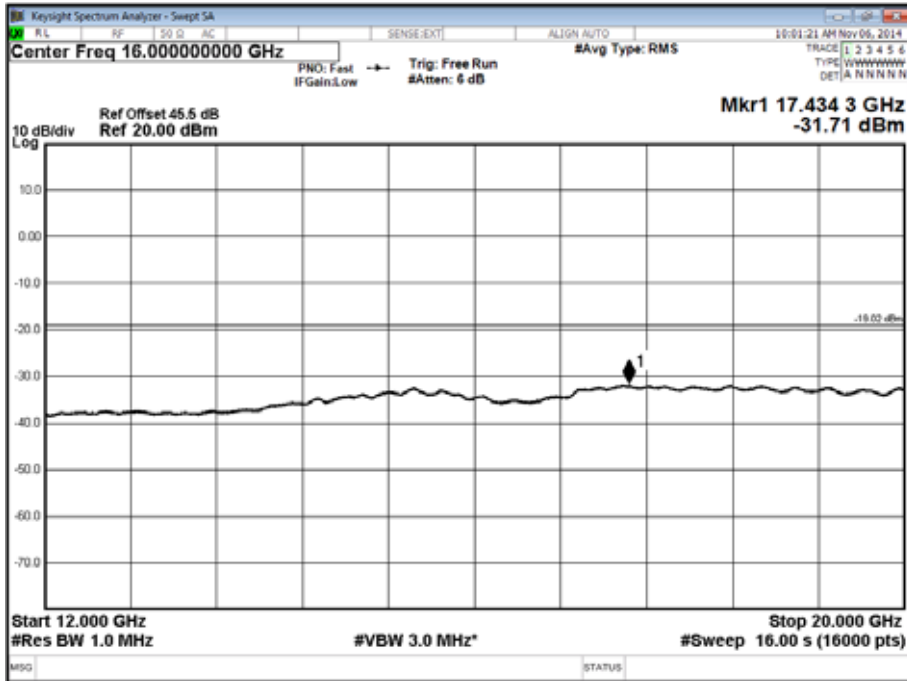
Channel Position MRFBW - Band 1 - Range 0.009 to 3500 MHz - Antenna C



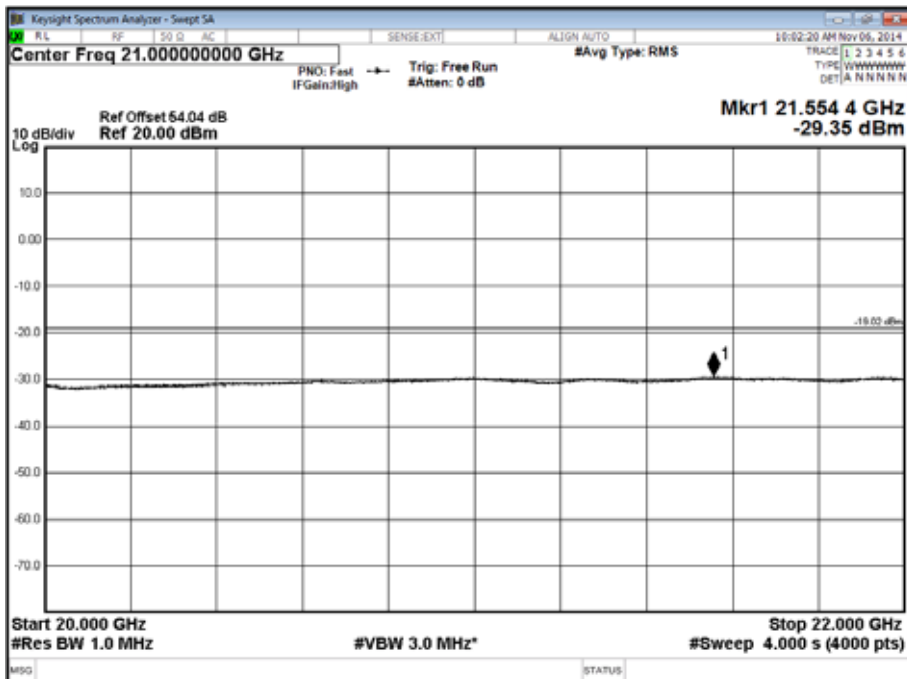
Channel Position MRFBW - Band 2 - Range 3500 to 12000 MHz - Antenna C



Channel Position MRFBW - Band 3 - Range 12000 to 20000 MHz - Antenna C



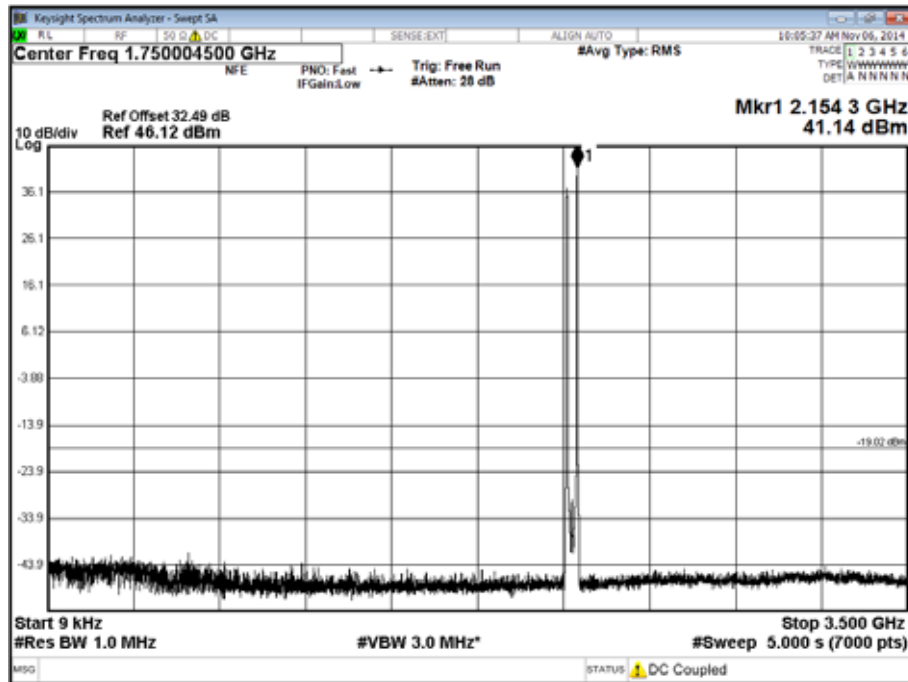
Channel Position MRFBW - Band 4 - Range 20000 to 22000 MHz - Antenna C



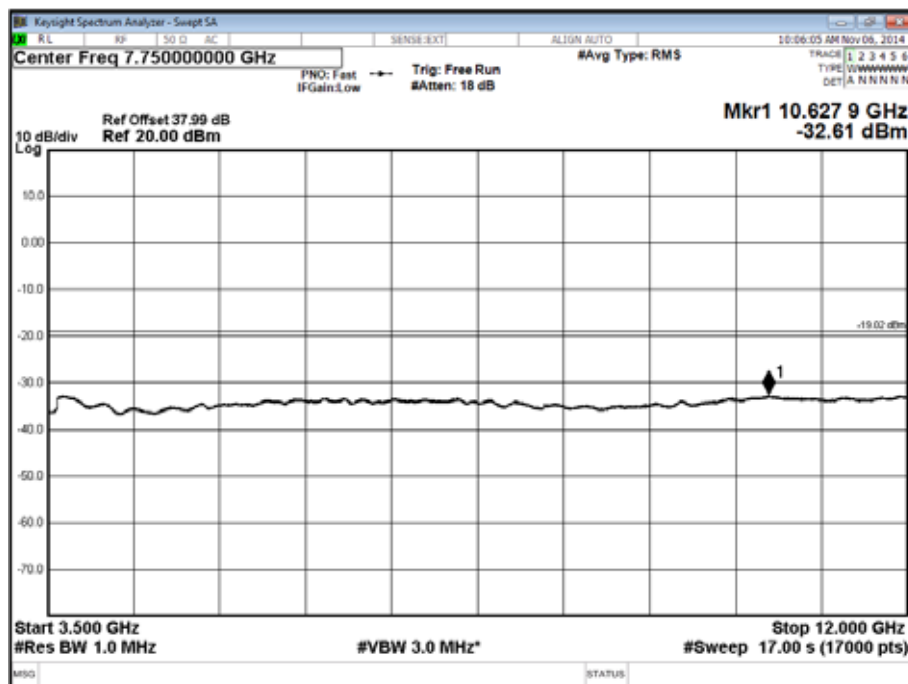
Configuration 4 WCDMA/LTE MC-3 (See Table 3 for carrier frequency)

Maximum Output Power 41.76 dBm per carrier, TM5 (WCDMA), TM1.1 (LTE), Antenna Port D

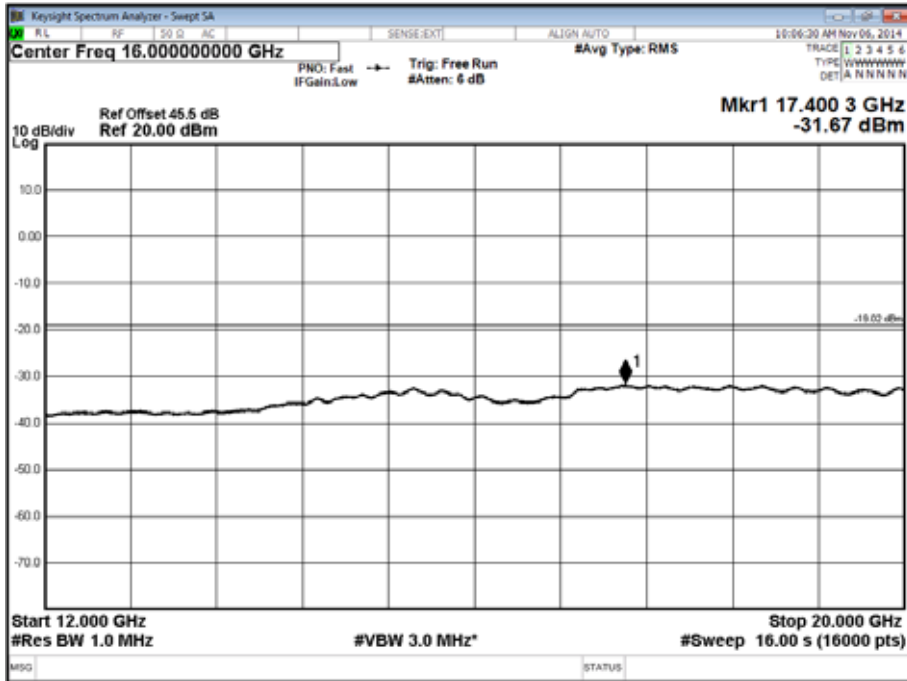
Channel Position MRFBW - Band 1 - Range 0.009 to 3500 MHz - Antenna D



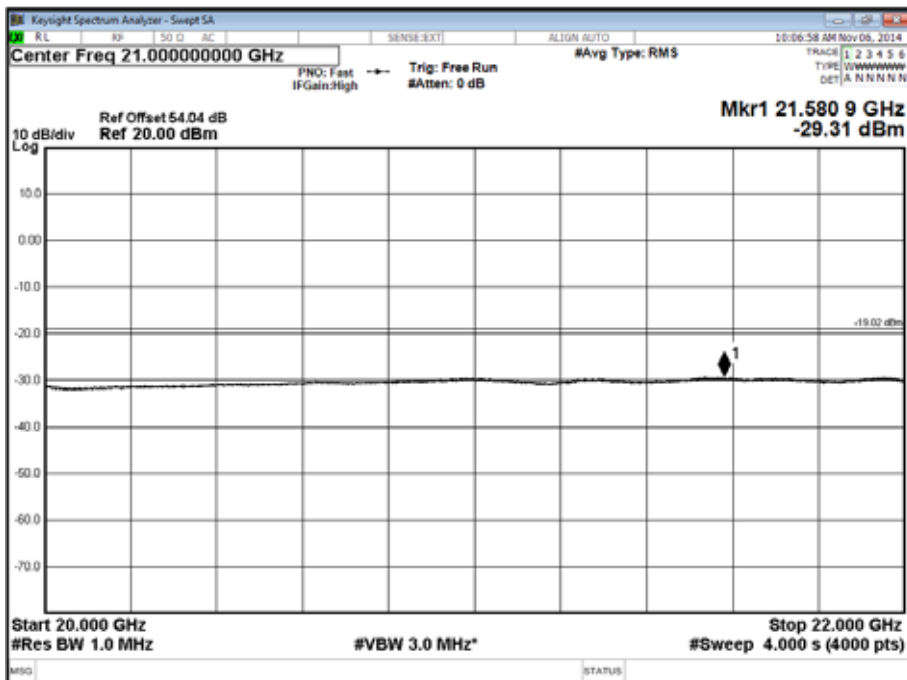
Channel Position MRFBW - Band 2 - Range 3500 to 12000 MHz - Antenna D



Channel Position MRFBW - Band 3 - Range 12000 to 20000 MHz - Antenna D



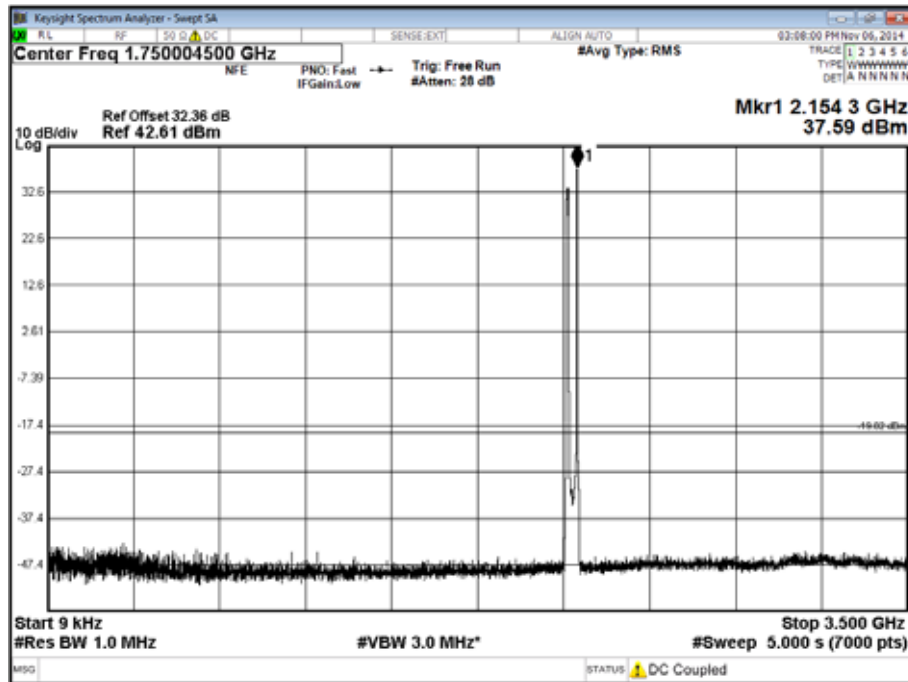
Channel Position MRFBW - Band 4 - Range 20000 to 22000 MHz - Antenna D



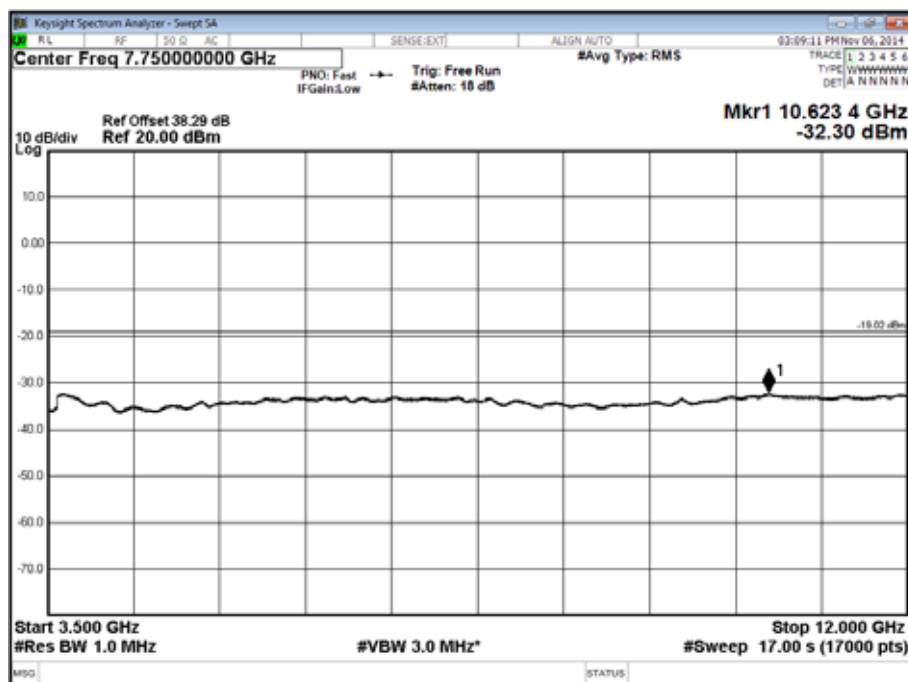
Configuration 5 WCDMA/LTE MC-4 (See Table 3 for carrier frequency)

Maximum Output Power 38.75 dBm per carrier, TM5 (WCDMA), TM1.1 (LTE), Antenna A

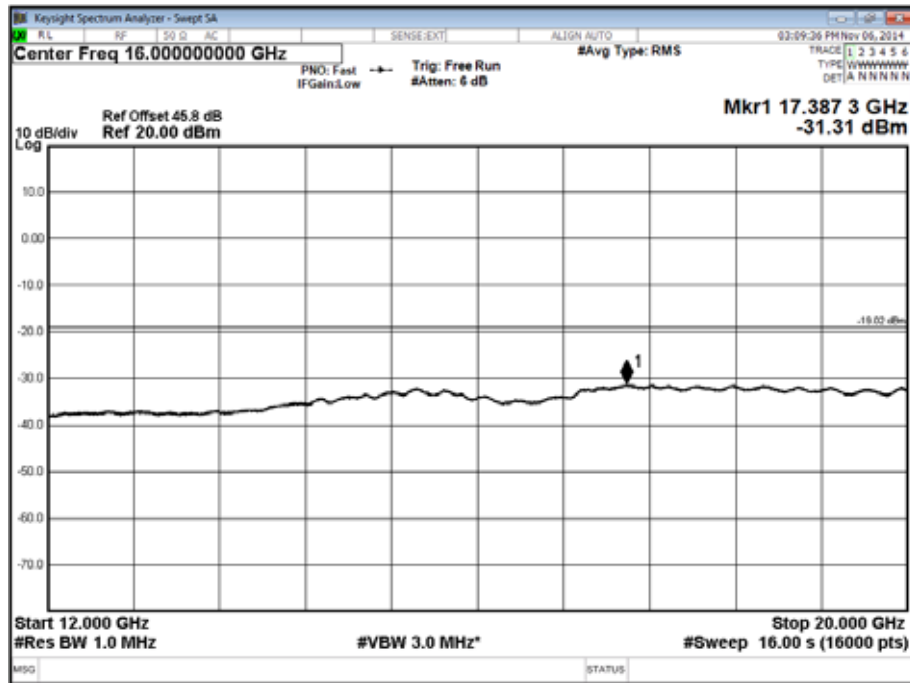
Channel Position MRFBW - Band 1 - Range 0.009 to 3500 MHz - Antenna A



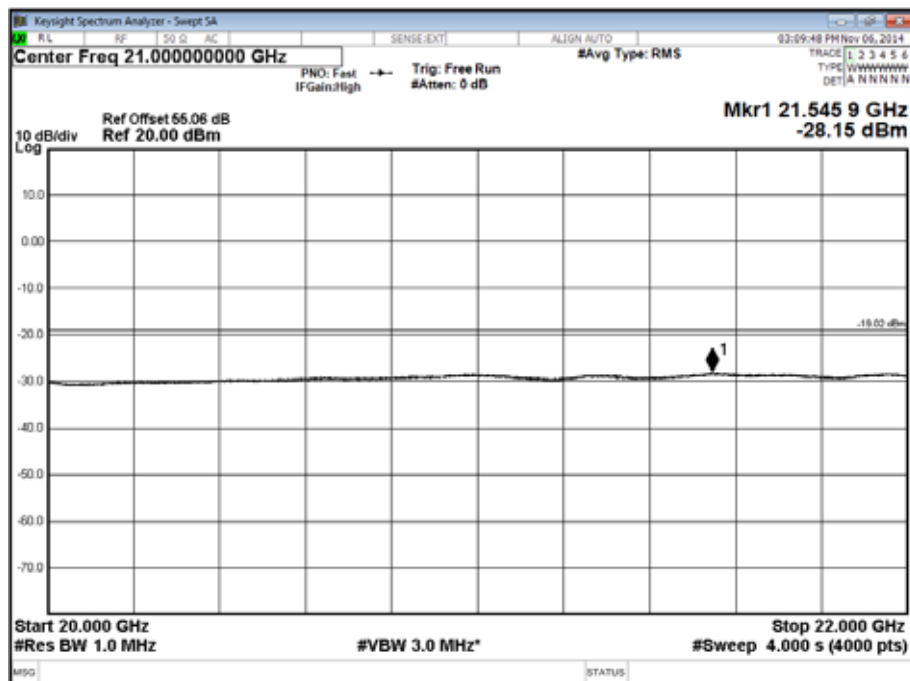
Channel Position MRFBW - Band 2 - Range 3500 to 12000 MHz - Antenna A



Channel Position MRFBW - Band 3 - Range 12000 to 20000 MHz - Antenna A



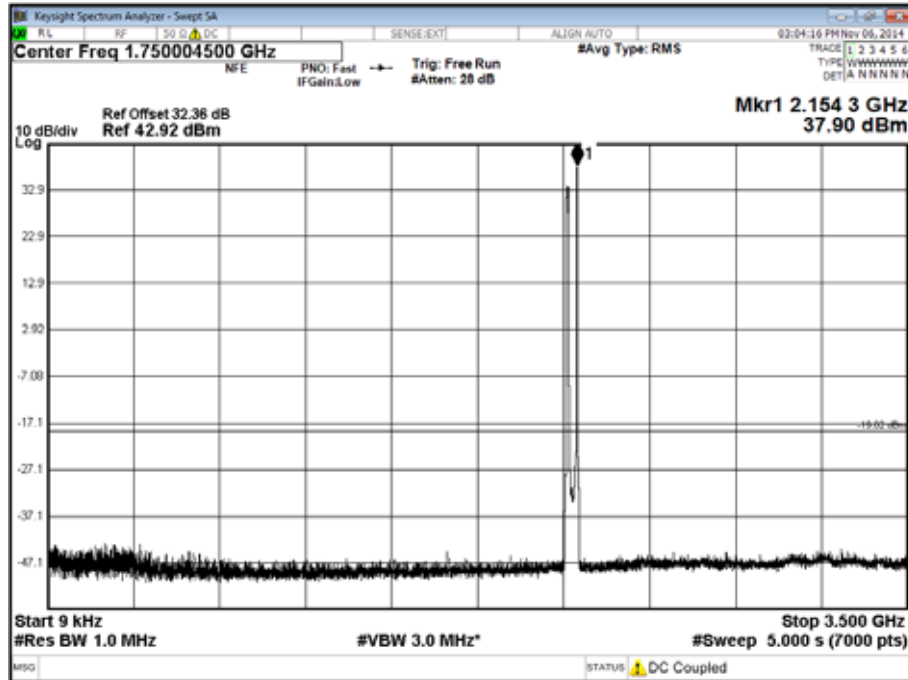
Channel Position MRFBW - Band 4 - Range 20000 to 22000 MHz - Antenna A



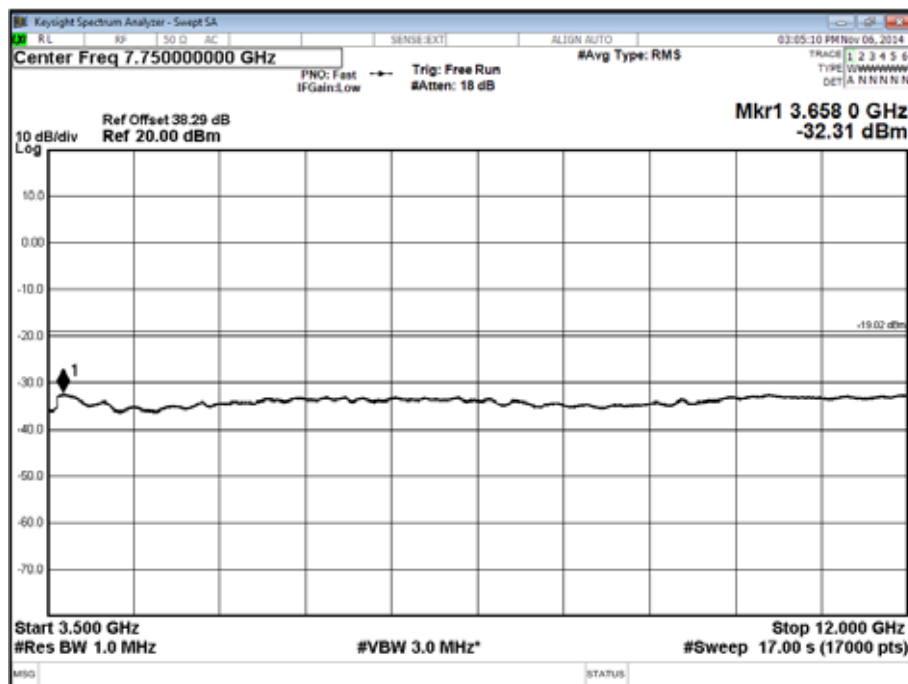
Configuration 5 WCDMA/LTE MC-4 (See Table 3 for carrier frequency)

Maximum Output Power 38.75 dBm per carrier, TM5 (WCDMA), TM1.1 (LTE), Antenna B

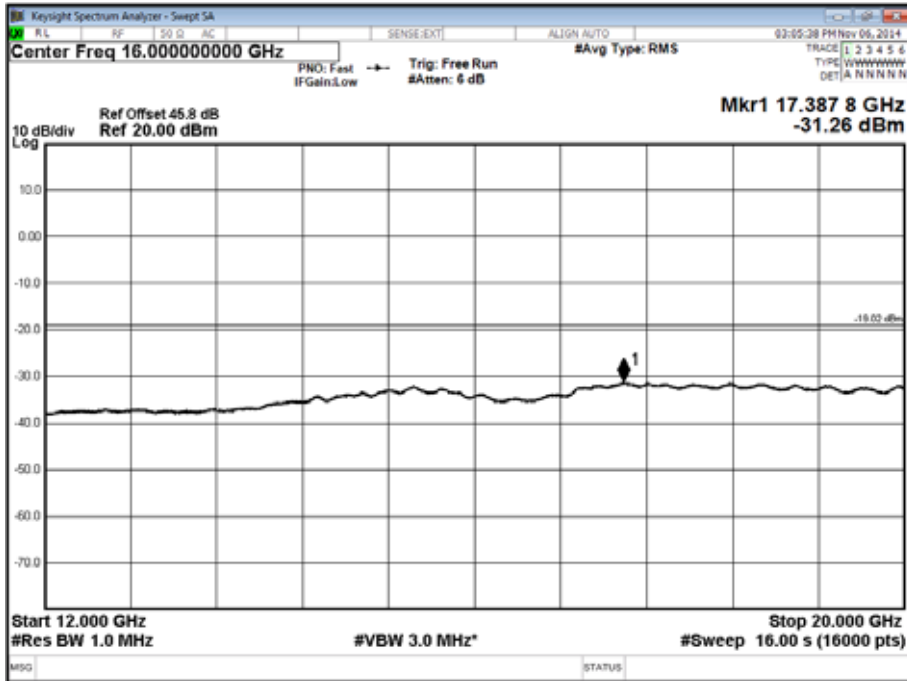
Channel Position MRFBW - Band 1 - Range 0.009 to 3500 MHz - Antenna B



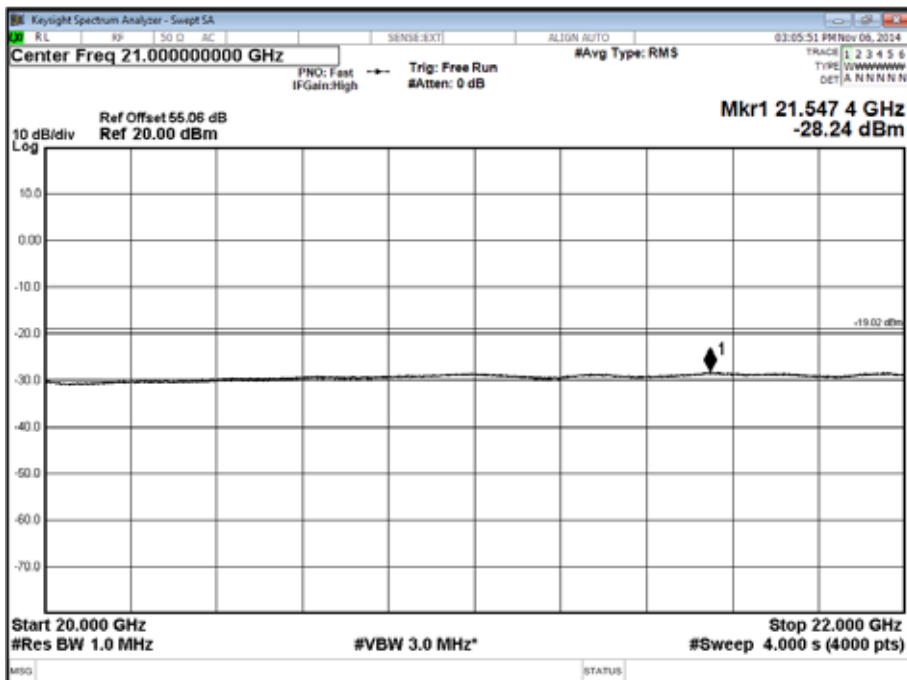
Channel Position MRFBW - Band 2 - Range 3500 to 12000 MHz - Antenna B



Channel Position MRFBW - Band 3 - Range 12000 to 20000 MHz - Antenna B



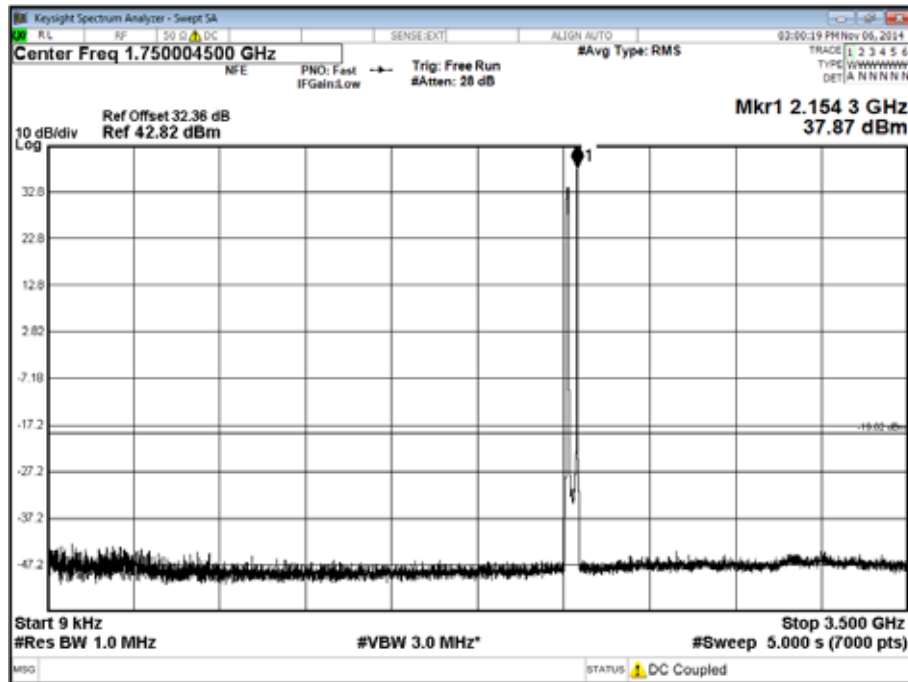
Channel Position MRFBW - Band 4 - Range 20000 to 22000 MHz - Antenna B



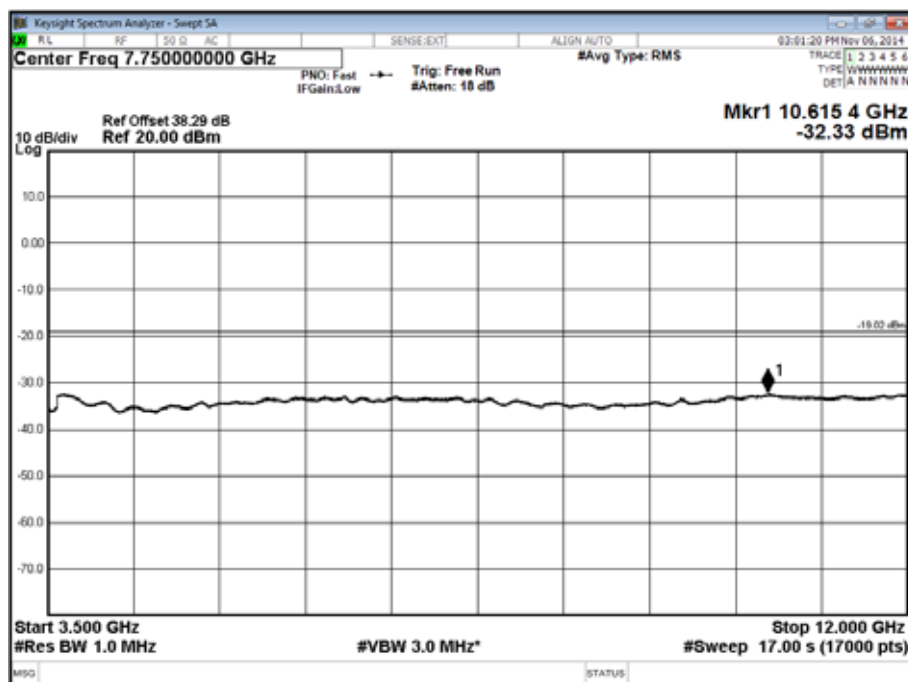
Configuration 5 WCDMA/LTE MC-4 (See Table 3 for carrier frequency)

Maximum Output Power 38.75 dBm per carrier, TM5 (WCDMA), TM1.1 (LTE), Antenna C

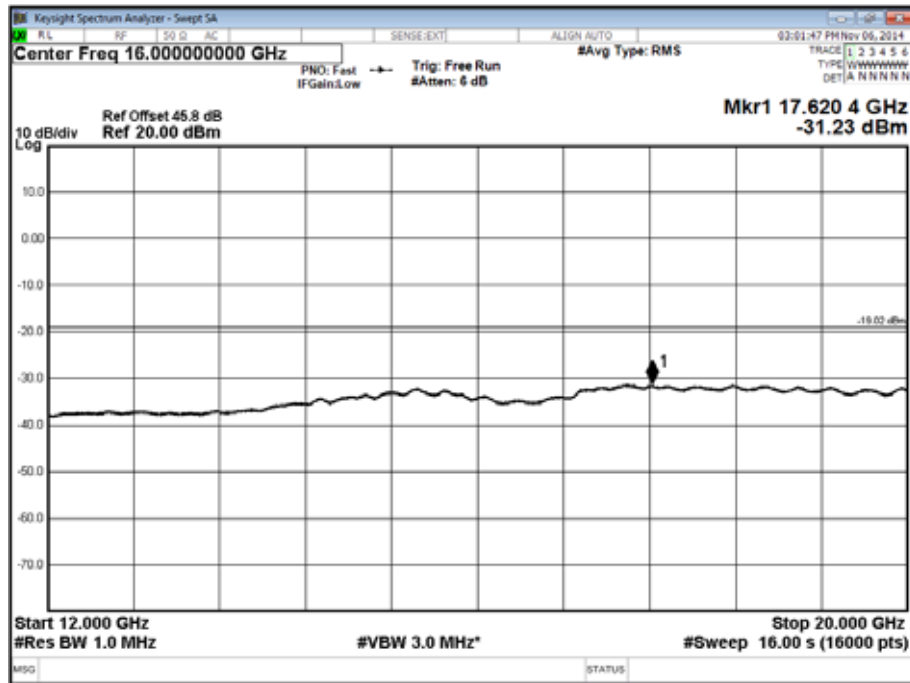
Channel Position MRFBW - Band 1 - Range 0.009 to 3500 MHz - Antenna C



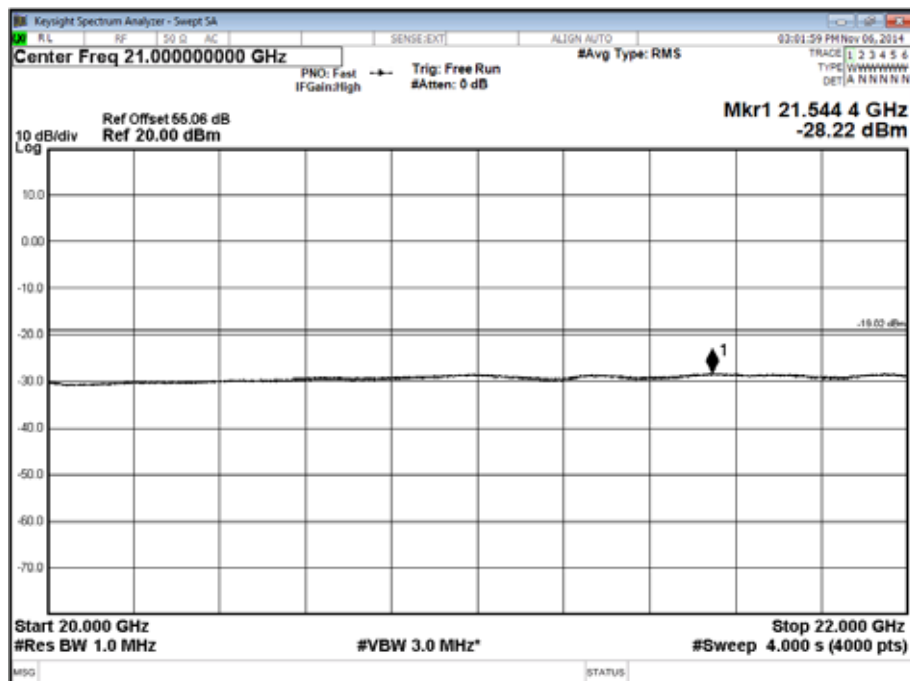
Channel Position MRFBW - Band 2 - Range 3500 to 12000 MHz - Antenna C



Channel Position MRFBW - Band 3 - Range 12000 to 20000 MHz - Antenna C



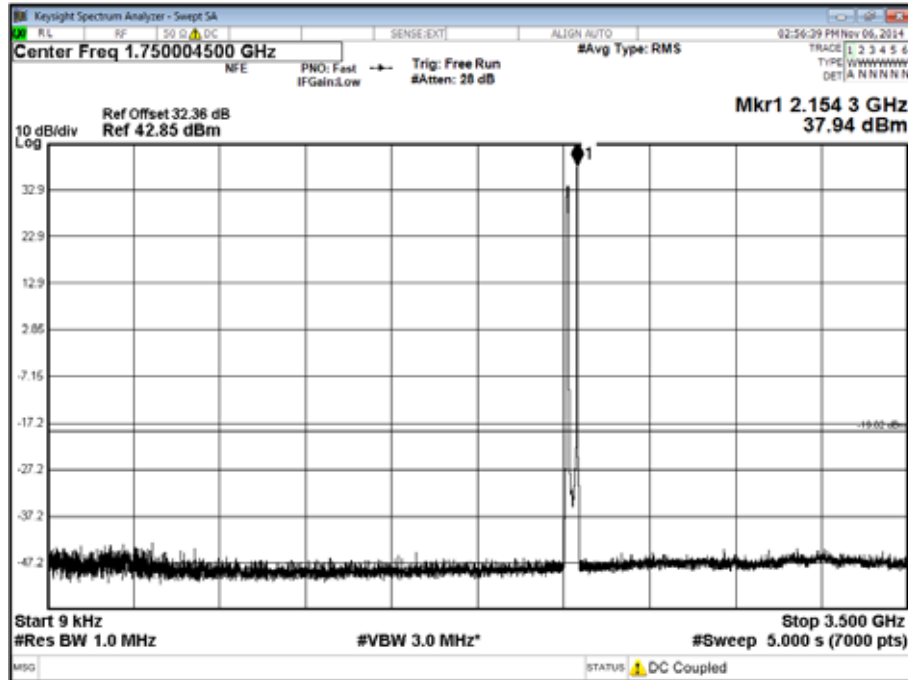
Channel Position MRFBW - Band 4 - Range 20000 to 22000 MHz - Antenna C



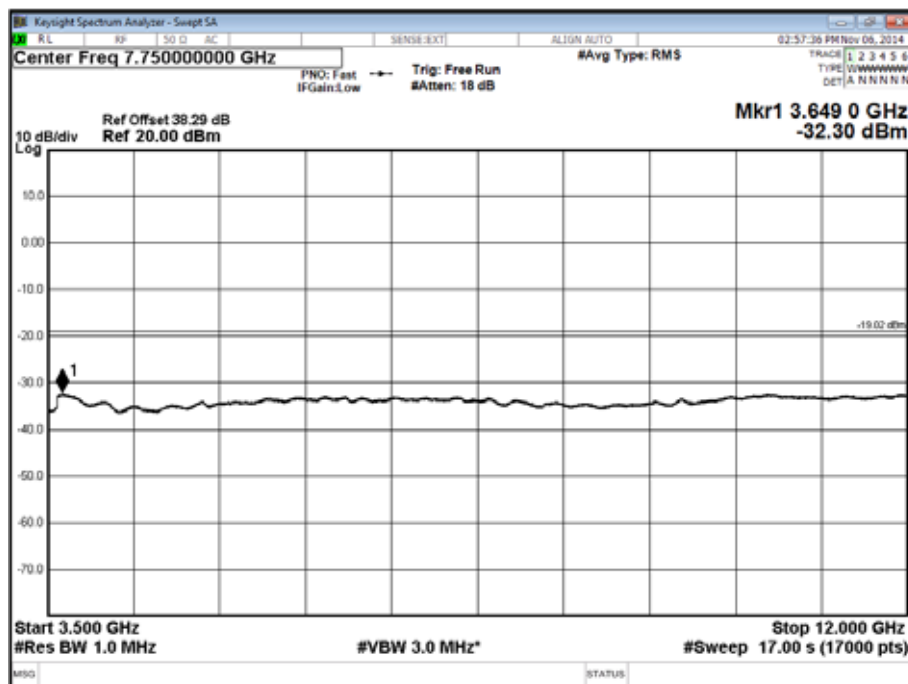
Configuration 5 WCDMA/LTE MC-4 (See Table 3 for carrier frequency)

Maximum Output Power 38.75 dBm per carrier, TM5 (WCDMA), TM1.1 (LTE), Antenna D

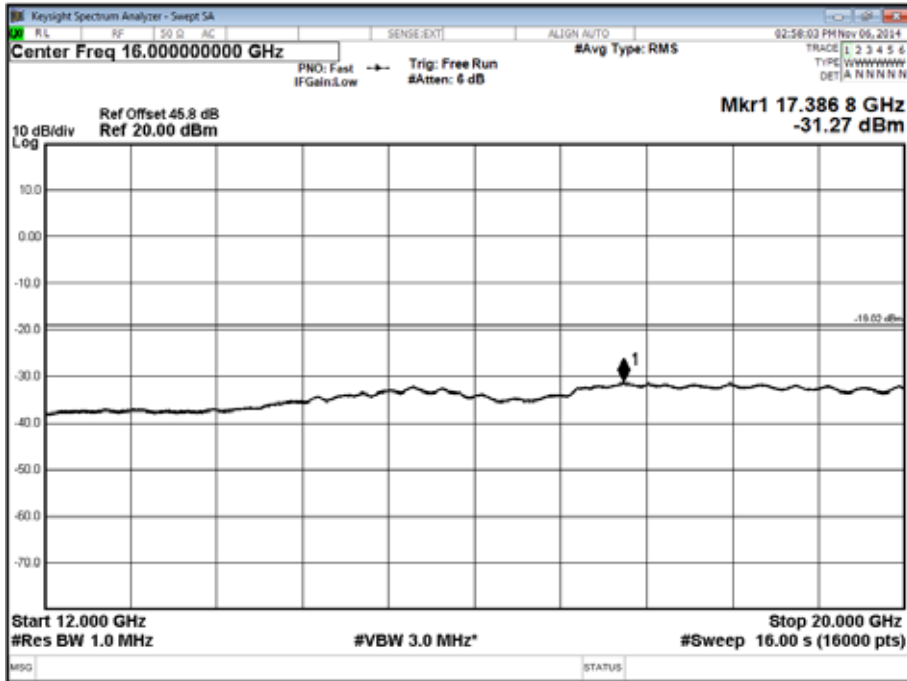
Channel Position MRFBW - Band 1 - Range 0.009 to 3500 MHz - Antenna D



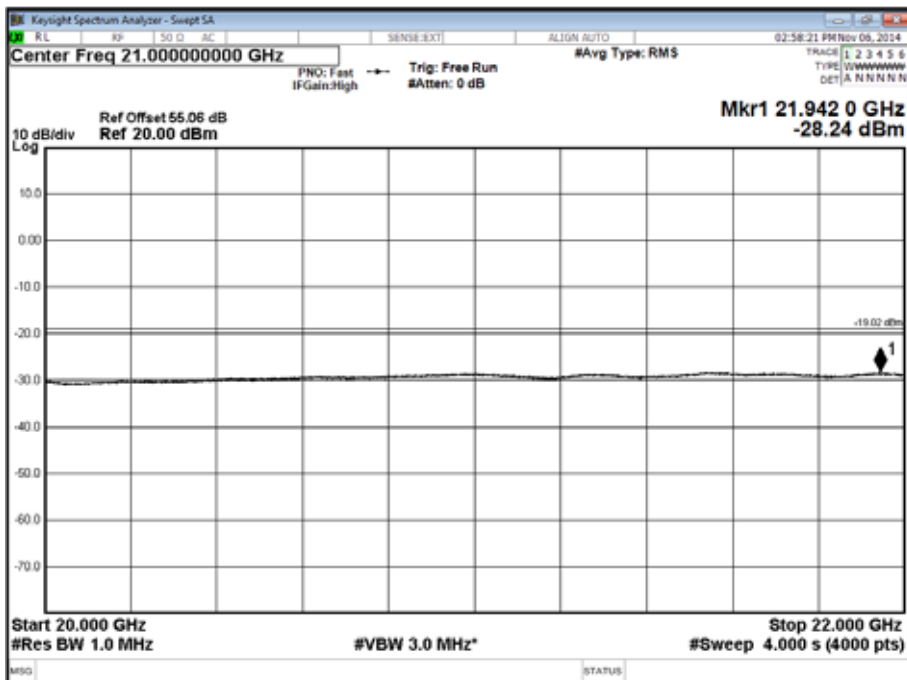
Channel Position MRFBW - Band 2 - Range 3500 to 12000 MHz - Antenna D



Channel Position MRFBW - Band 3 - Range 12000 to 20000 MHz - Antenna D



Channel Position MRFBW - Band 4 - Range 20000 to 22000 MHz - Antenna D



Limit	-19 dBm (-13 dBm - 10log(NANT) where N = 4
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2.5 FREQUENCY STABILITY

2.5.1 Specification Reference

FCC CFR 47 Part 2, Clause 2.1055
 FCC CFR 47 Part 27, Clause 27.54
 Industry Canada RSS-139, Clause 6.3
 Industry Canada RSS-GEN, Clause 4.7

2.5.2 Date of Test and Modification State

07 November 2014 - Modification State 0

2.5.3 Test Equipment Used

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

2.5.4 Environmental Conditions

Ambient Temperature 23.3°C
 Relative Humidity 35.8%

2.5.5 Test Method

The EUT was setup in a Climatic Chamber and connected to a Vector Signal Analyser via attenuators. The temperature was varied over the range -30°C to +50°C in 10°C steps. At each temperature interval, the EUT was left to stabilise. After this period of time, the mean Frequency Error was measured and recorded on the Middle channel. At 20°C, the voltage was varied between 85% and 115% of the nominal declared voltage. At each extreme voltage, the mean Frequency Error was measured and recorded.

2.5.6 Test Results

Configuration WCDMA SC (see Table 1 for carrier frequency)

Maximum Output Power 44.77 dBm per carrier, TM1

Temperature	Frequency Error (Hz)
	Channel Position M
-30°C	-4.75
-20°C	5.81
-10°C	-4.17
0°C	3.73
+10°C	-4.94
+20°C	5.60
+30°C	3.89
+40°C	5.20
+50°C	-4.00

Remarks

Measured on Antenna Port A.

Configuration WCDMA SC (see Table 1 for carrier frequency)

Maximum Output Power 44.77 dBm per carrier, TM1

Voltage	Frequency Error (Hz)
	Channel Position M
-40.8 V	5.11
-48.0 V	5.60
-55.2 V	4.07

Remarks

Measured on Antenna Port A

Limit	The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.
-------	---

The Band Edge plots were compared with the Frequency Stability results and it was confirmed that the EUT remained within the authorised band of operation under all tested conditions.



Product Service

SECTION 3

TEST EQUIPMENT USED

3.1 TEST EQUIPMENT USED

List of absolute measuring and other principal items of test equipment.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Due
Maximum Peak Output Power and Peak to Average Ratio - Conducted					
Hygrometer	Rotronic	HP1	2338	12	22-May-2015
DMM	Fluke	179	4007	12	31-Jul-2015
Spectrum Analyser	Agilent	PXA N9030A	US49230391	12	22-Sep-2015
Network Analyser	Agilent	8722ES	US39175387	12	15-Oct-2015
Power Meter	Agilent	1912A	MY45101348	24	22-Jul-2016
Power Meter	Agilent	1912A	MY45101063	24	22-Jul-2016
Power Sensor	Agilent	1921A	MY45200381	12	22-Jul-2015
Power Sensor	Agilent	1921A	SG45240334	12	31-Mar-2015
Power Sensor	Agilent	1921A	MY52410016	12	22-Jul-2015
Attenuator	Weinschel	WA66-30-33	235	-	O/P Mon
Attenuator	Weinschel	WA66-30-33	236	-	O/P Mon
Attenuator	Weinschel	WA66-30-33	249	-	O/P Mon
Attenuator	Weinschel	WA66-30-33	250	-	O/P Mon
PSU	Xantrex	XKW60-50	1001425551	-	O/P Mon
Occupied Bandwidth					
Hygrometer	Rotronic	HP1	2338	12	22-May-2015
DMM	Fluke	179	4007	12	31-Jul-2015
Spectrum Analyser	Agilent	PXA N9030A	US49230391	12	22-Sep-2015
Network Analyser	Agilent	8722ES	US39175387	12	15-Oct-2015
Power Meter	Agilent	1912A	MY45101348	24	22-Jul-2016
Power Meter	Agilent	1912A	MY45101063	24	22-Jul-2016
Power Sensor	Agilent	1921A	MY45200381	12	22-Jul-2015
Power Sensor	Agilent	1921A	SG45240334	12	31-Mar-2015
Power Sensor	Agilent	1921A	MY52410016	12	22-Jul-2015
Attenuator	Weinschel	WA66-30-33	235	-	O/P Mon
Attenuator	Weinschel	WA66-30-33	236	-	O/P Mon
Attenuator	Weinschel	WA66-30-33	249	-	O/P Mon
Attenuator	Weinschel	WA66-30-33	250	-	O/P Mon
PSU	Xantrex	XKW60-50	1001425551	-	O/P Mon
Band Edge					
Hygrometer	Rotronic	HP1	2338	12	22-May-2015
DMM	Fluke	179	4007	12	31-Jul-2015
Spectrum Analyser	Agilent	PXA N9030A	US49230391	12	22-Sep-2015
Network Analyser	Agilent	8722ES	US39175387	12	15-Oct-2015
Power Meter	Agilent	1912A	MY45101348	24	22-Jul-2016

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Due
Power Meter	Agilent	1912A	MY45101063	24	22-Jul-2016
Power Sensor	Agilent	1921A	MY45200381	12	22-Jul-2015
Power Sensor	Agilent	1921A	SG45240334	12	31-Mar-2015
Power Sensor	Agilent	1921A	MY52410016	12	22-Jul-2015
Attenuator	Weinschel	WA66-30-33	235	-	O/P Mon
Attenuator	Weinschel	WA66-30-33	236	-	O/P Mon
Attenuator	Weinschel	WA66-30-33	249	-	O/P Mon
Attenuator	Weinschel	WA66-30-33	250	-	O/P Mon
PSU	Xantrex	XKW60-50	1001425551	-	O/P Mon
Transmitter Spurious Emissions					
Hygrometer	Rotronic	HP1	2338	12	22-May-2015
DMM	Fluke	179	4007	12	31-Jul-2015
Spectrum Analyser	Agilent	PXA N9030A	US49230391	12	22-Sep-2015
Network Analyser	Agilent	8722ES	US39175387	12	15-Oct-2015
Power Meter	Agilent	1912A	MY45101348	24	22-Jul-2016
Power Meter	Agilent	1912A	MY45101063	24	22-Jul-2016
Power Sensor	Agilent	1921A	MY45200381	12	22-Jul-2015
Power Sensor	Agilent	1921A	SG45240334	12	31-Mar-2015
Power Sensor	Agilent	1921A	MY52410016	12	22-Jul-2015
Attenuator	Weinschel	WA66-30-33	235	-	O/P Mon
Attenuator	Weinschel	WA66-30-33	236	-	O/P Mon
Attenuator	Weinschel	WA66-30-33	249	-	O/P Mon
Attenuator	Weinschel	WA66-30-33	250	-	O/P Mon
PSU	Xantrex	XKW60-50	1001425551	-	O/P Mon
High Pass Filter	Wainwright	WHNX6-2765-3500-26500-4000	1	-	O/P Mon
Frequency Stability					
Hygrometer	Rotronic	HP1	2338	12	22-May-2015
DMM	Fluke	179	4007	12	31-Jul-2015
Spectrum Analyser	Agilent	PXA N9030A	US49230391	12	22-Sep-2015
Network Analyser	Agilent	8722ES	US39175387	12	15-Oct-2015
Power Meter	Agilent	1912A	MY45101348	24	22-Jul-2016
Power Meter	Agilent	1912A	MY45101063	24	22-Jul-2016
Power Sensor	Agilent	1921A	MY45200381	12	22-Jul-2015
Power Sensor	Agilent	1921A	SG45240334	12	31-Mar-2015
Power Sensor	Agilent	1921A	MY52410016	12	22-Jul-2015
Attenuator	Weinschel	WA66-30-33	235	-	O/P Mon
Attenuator	Weinschel	WA66-30-33	236	-	O/P Mon

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Due
Attenuator	Weinschel	WA66-30-33	249	-	O/P Mon
Attenuator	Weinschel	WA66-30-33	250	-	O/P Mon
PSU	Xantrex	XKW60-50	1001425551	-	O/P Mon
Thermometer	Digitron	T208	2831	12	31-Jul-2015
Climatic chamber	Burnsco	RTC-37P-3-3	07-07	-	O/P Mon

N/A – Not Applicable

OP MON – Output Monitored with Calibrated Equipment

3.2 MEASUREMENT UNCERTAINTY

For a 95% confidence level, the measurement uncertainties for defined systems are:-

Test Discipline	Frequency / Parameter	MU
Operating band unwanted emissions		± 0.9 dB
Adjacent Channel Leakage power Ratio (ACLR)	ACLR	± 0.6 dB
	Absolute power	± 0.9 dB
Transmitter spurious emissions	For "Spurious emissions"	
	9 kHz < f ≤ 4 GHz	± 1.6 dB
	4 GHz < f ≤ 12,75 GHz	± 1.9 dB
	For co-existence requirements (> -60 dBm)	± 0.9 dB
	For co-existence requirements (≤ -60 dBm)	± 1.1 dB
	For protection of the BS receiver	± 1.1 dB
Base Station maximum output power		± 0.1 dB
Transmitter intermodulation	For Operating band unwanted emissions	± 0.9 dB
	For ACLR	± 0.6 dB
	For "Spurious emissions":	
	f ≤ 2,2 GHz	± 0.9 dB
	2,2 GHz < f ≤ 4 GHz	± 1.6 dB
	f > 4 GHz	± 1.9 dB
Receiver spurious emissions	30 MHz ≤ f ≤ 4 GHz	± 1.6 dB
	4 GHz < f ≤ 12,75 GHz	± 1.9 dB
Blocking characteristics	In-band blocking, using modulated interferer	± 0.3 dB
	Out of band blocking, using CW interferer:	
	1 MHz < finterferer ≤ 3 GHz	± 0.4 dB
Receiver intermodulation characteristics	3 GHz < finterferer ≤ 12,75 GHz	± 0.5 dB
		± 0.9 dB
Adjacent Channel Selectivity (ACS) and narrow-band blocking		± 0.9 dB



Product Service

SECTION 5

ACCREDITATION, DISCLAIMERS AND COPYRIGHT

4.1 ACCREDITATION, DISCLAIMERS AND COPYRIGHT



This report relates only to the actual item/items tested.

Our UKAS Accreditation does not cover opinions and interpretations and any expressed are outside the scope of our UKAS Accreditation.

Results of tests not covered by our UKAS Accreditation Schedule are marked NUA
(Not UKAS Accredited).

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Product Service

ANNEX A

MODULE LIST



Product Service

Configuration A			
Product	Product No	R-State	Serial No
AIR 32 B4A B2P (Mockup)	-	-	TM30004873
Radio Module	KRC 118 050/1	R2A	C828422391
Software Version:	CXP9017316/5	Revision:	R59BK