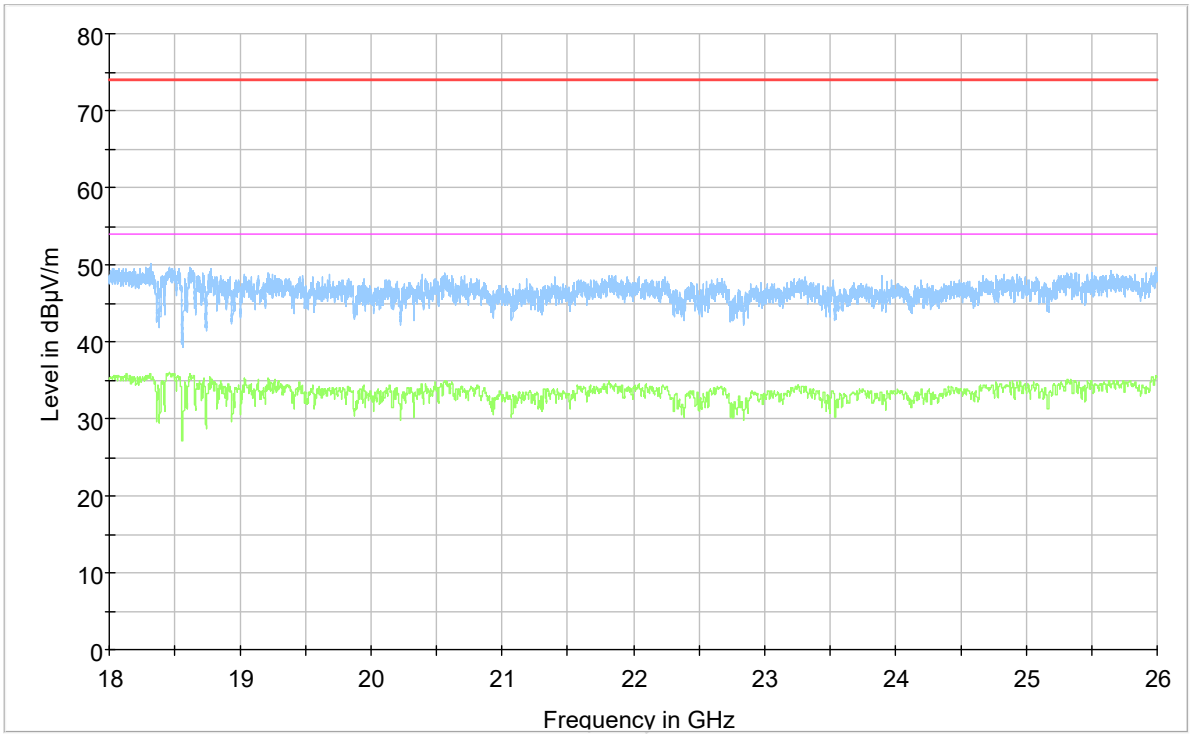
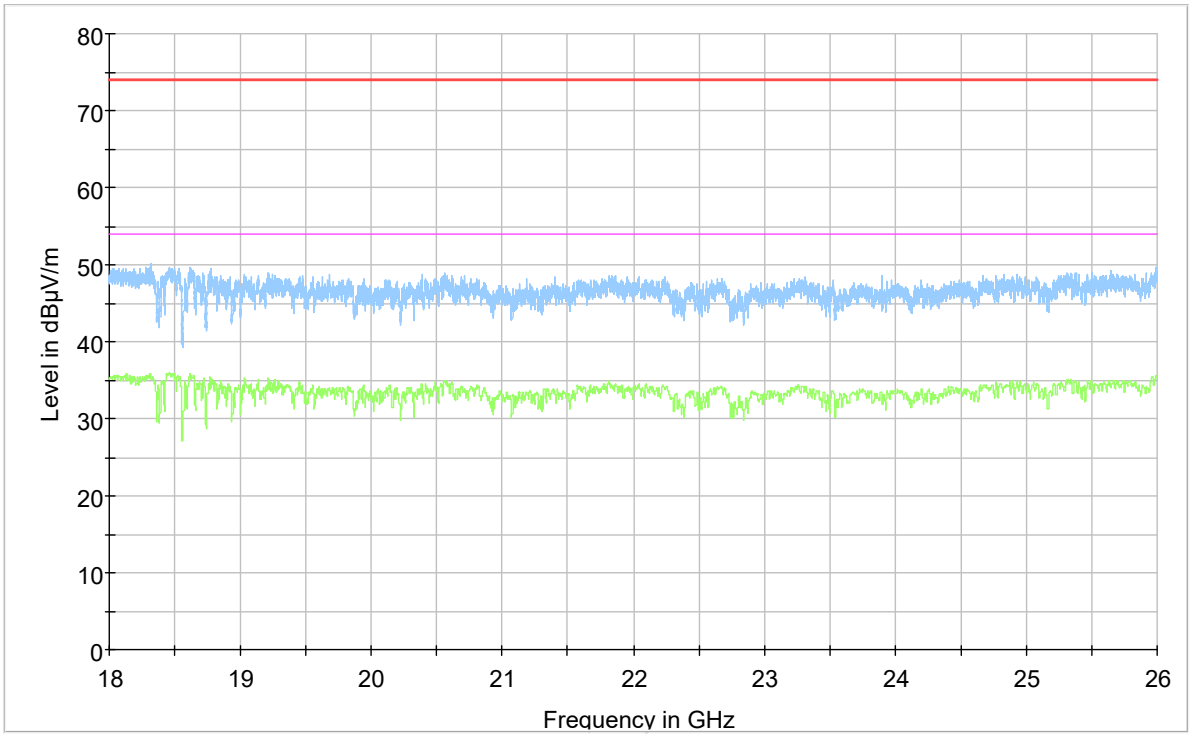
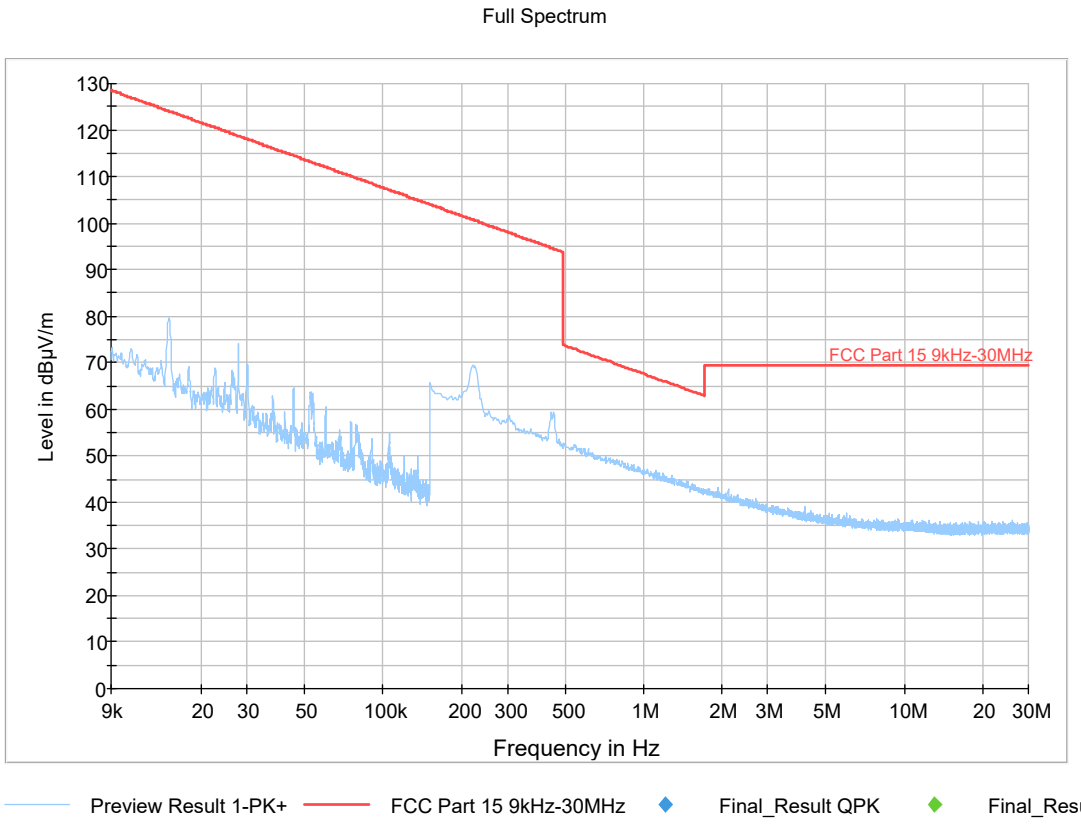
Graphical presentation of radiated emission
Operating mode: 4 (Channel 11 – Frequency 2462 MHz)
Frequency scan: 18GHz – 26GHz
Data rate: 11g 18M (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m



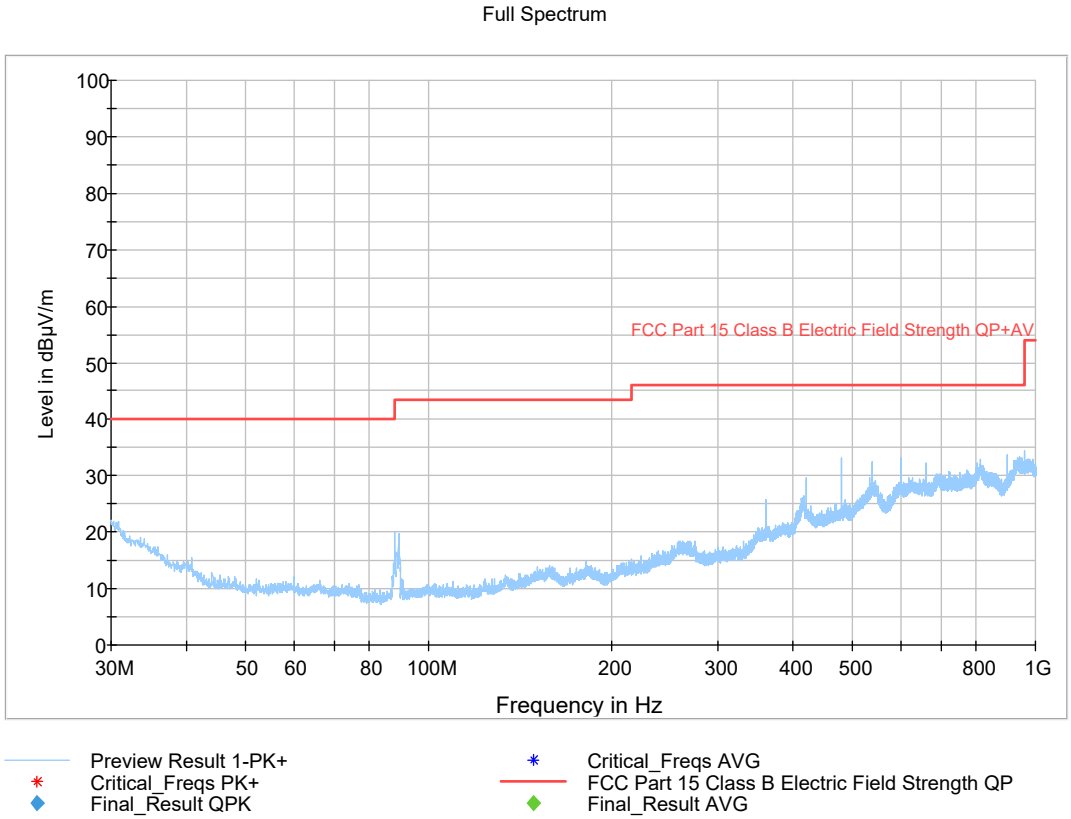
Graphical presentation of radiated emission
Operating mode: 4 (Channel 11 – Frequency 2462 MHz)
Frequency scan: 18GHz – 26GHz
Data rate: 11g 18M (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m



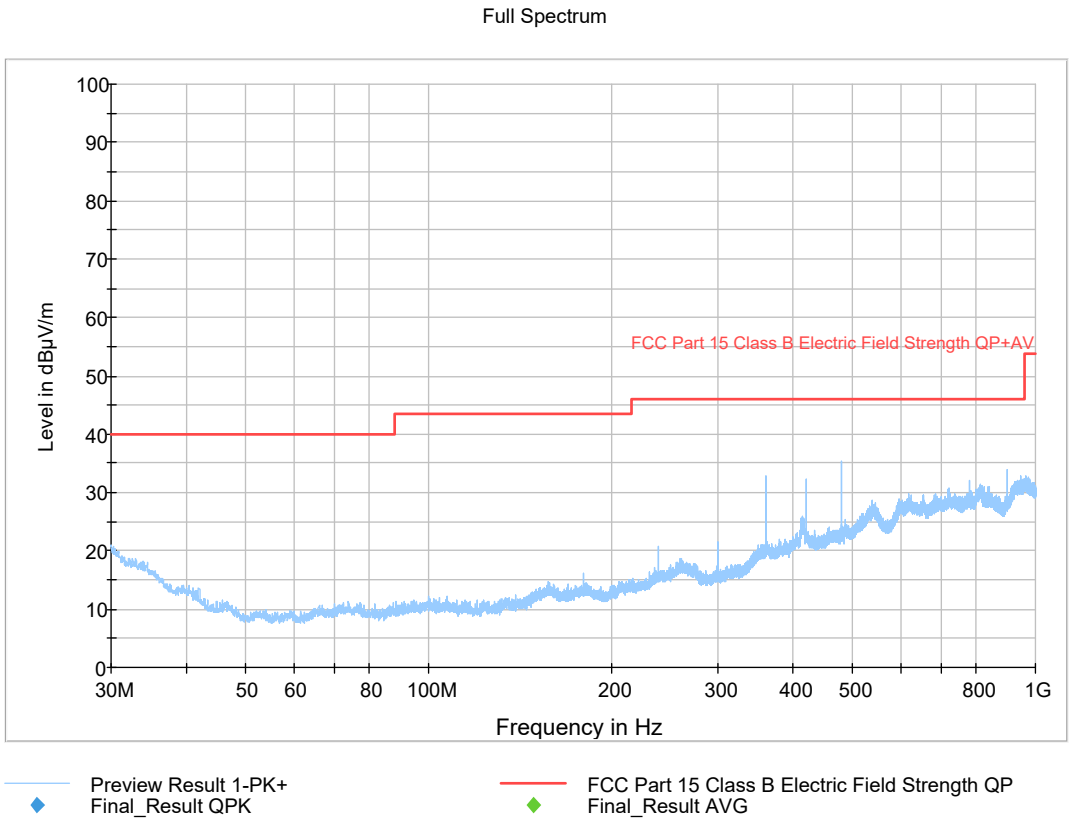
Graphical presentation of radiated emission
Operating mode: 4 (Channel 11 – Frequency 2462 MHz)
Frequency scan: 9KHz – 30MHz
Data rate: HT20, MCS1 (worst case)
Trace: Peak (blue trace)
Axis: Y (worst case)
Measurement distance: 3m



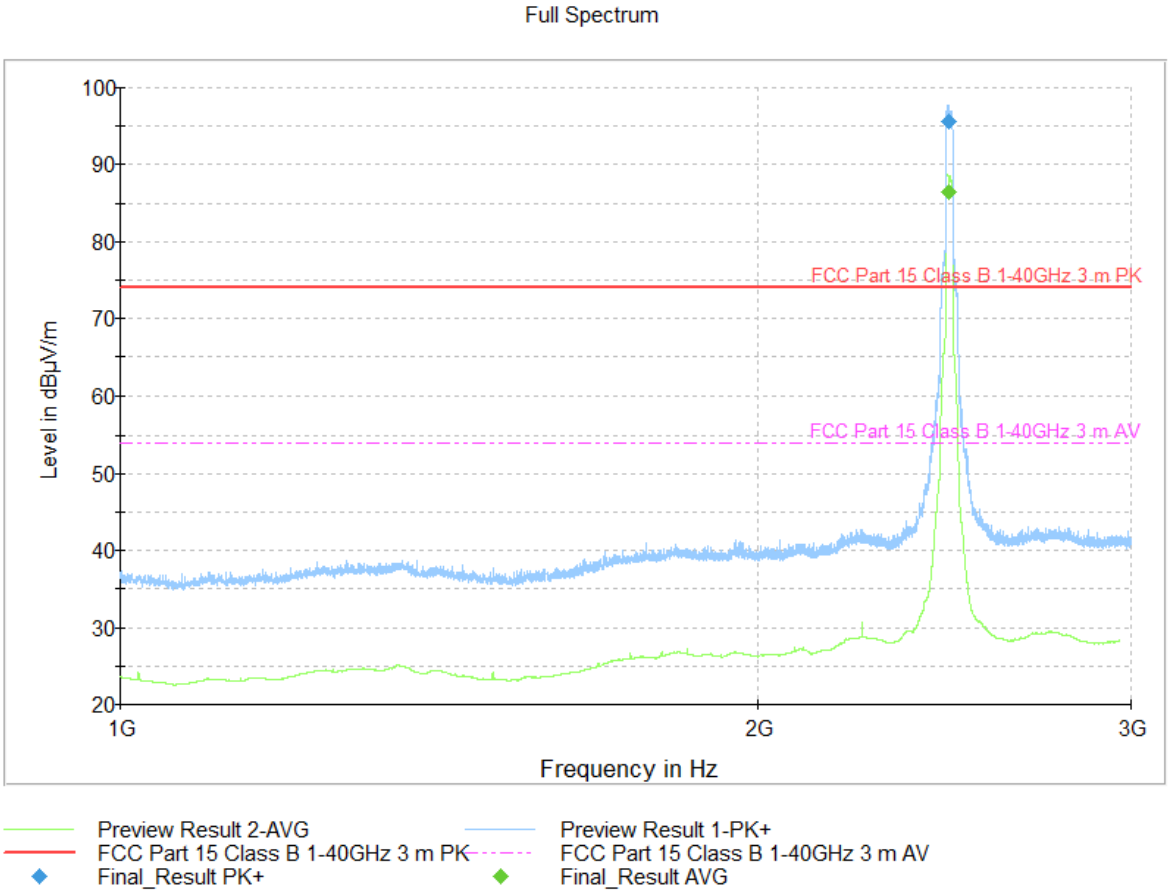
Graphical presentation of radiated emission
Operating mode: 4 (Channel 11 – Frequency 2462 MHz)
Frequency scan: 30MHz – 1GHz
Data rate: HT20, MCS1 (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace)
Axis: Y (worst case)
Measurement distance: 3m



Graphical presentation of radiated emission
Operating mode: 4 (Channel 11 – Frequency 2462 MHz)
Frequency scan: 30MHz – 1GHz
Data rate: HT20, MCS1 (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace)
Axis: Y (worst case)
Measurement distance: 3m



Graphical presentation of radiated emission
Operating mode: 4 (Channel 11 – Frequency 2462 MHz)
Frequency scan: 1GHz – 3GHz
Data rate: HT20, MCS1 (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m

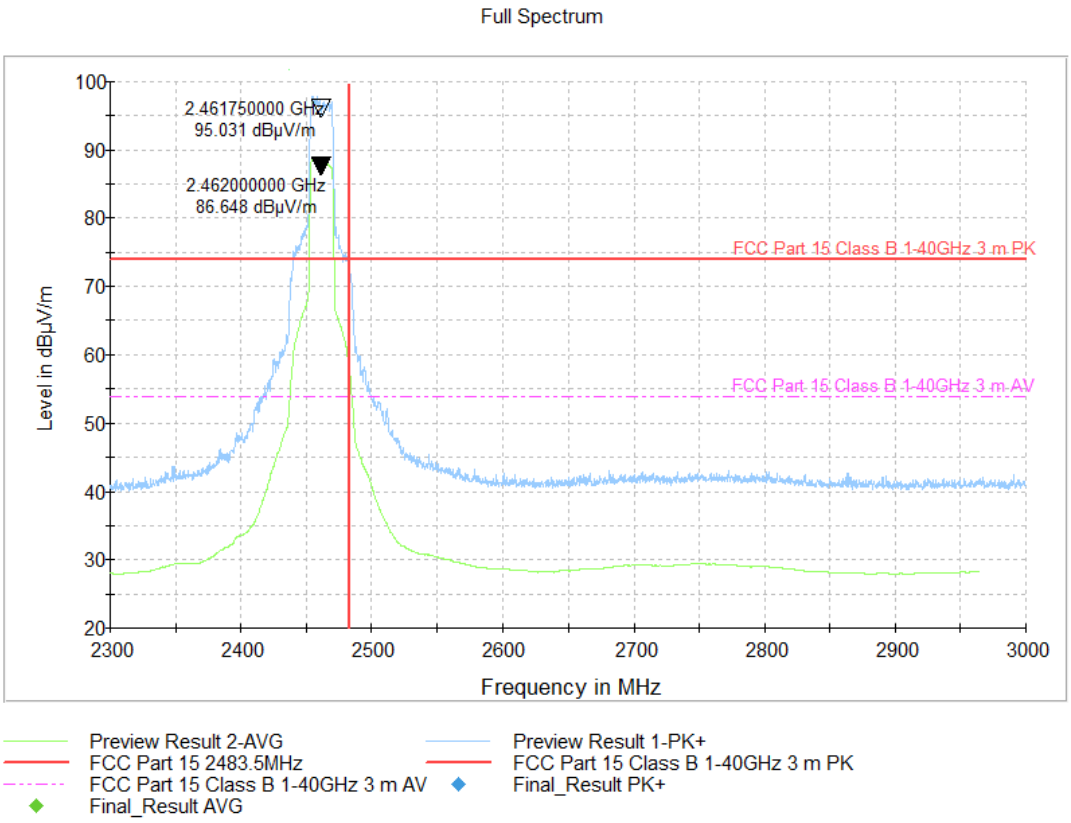


Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
2462.000000	**---**	**86.54**	**---**	**---**	**1000.0**	**1000.000**	**120.0**	**V**	**90.0**
2462.000000	**95.65**	**---**	**---**	**---**	**1000.0**	**1000.000**	**120.0**	**V**	**90.0**

.Peaks out of limits are due to Wi-Fi carrier (exclusion band).
Fundamental frequency not related to limit.

Graphical presentation of radiated emission
Operating mode: 4 (Channel 11 – Frequency 2462 MHz)
Frequency: Restricted band of operations near fundamental
Data rate: HT20, MCS1 (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace); Average (green trace)
Measurement distance: 3m

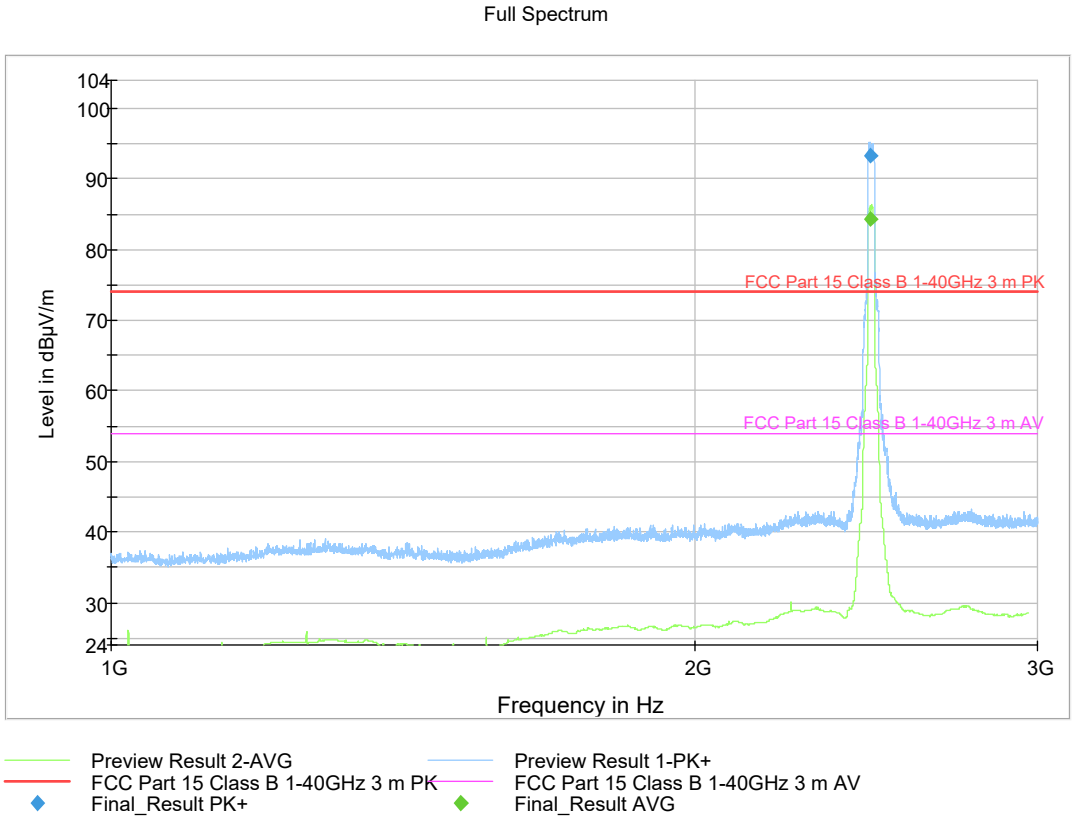


Fundamental Level

Frequency (MHz)	Reading value (dBµV/m)		Antenna Factor with pre-Amplifier (dB3/m)	Cable Loss (dB)	Correct reading (dBµV/m)
	Peak	Average			
2461.750000	**105.37**	**---**	**-13.51**	**3.17**	**95.03**
2462.000000	**---**	**96.63**	**-13.51**	**3.17**	**86.65**

.Peaks out of limits are due to Wi-Fi carrier (exclusion band).
Fundamental frequency not related to limit.

Graphical presentation of radiated emission
Operating mode: 4 (Channel 11 – Frequency 2462 MHz)
Frequency scan: 1GHz – 3GHz
Data rate: HT20, MCS1 (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m

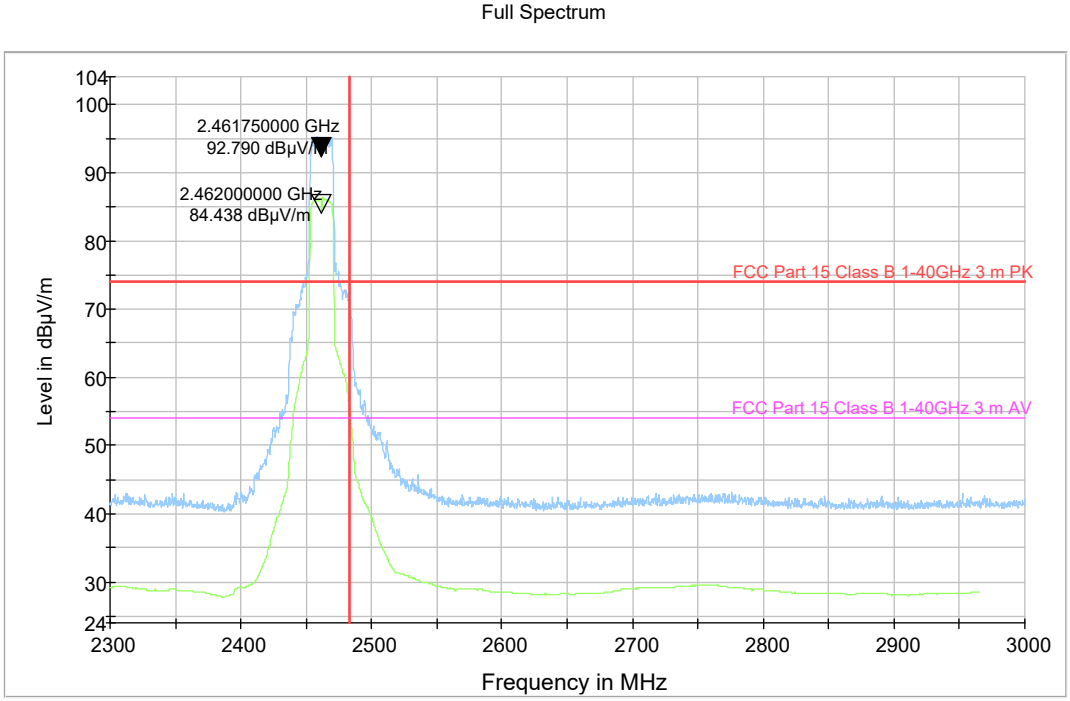


Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
2462.000000	**93.40**	**---**	**---**	**---**	**1000.0**	**1000.000**	**125.0**	**H**	**0.0**
2462.000000	**---**	**84.28**	**---**	**---**	**1000.0**	**1000.000**	**125.0**	**H**	**0.0**

.Peaks out of limits are due to Wi-Fi carrier (exclusion band).
Fundamental frequency not related to limit.

Graphical presentation of radiated emission
Operating mode: 4 (Channel 11 – Frequency 2462 MHz)
Frequency: Restricted band of operations near fundamental
Data rate: HT20, MCS1 (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace); Average (green trace)
Measurement distance: 3m

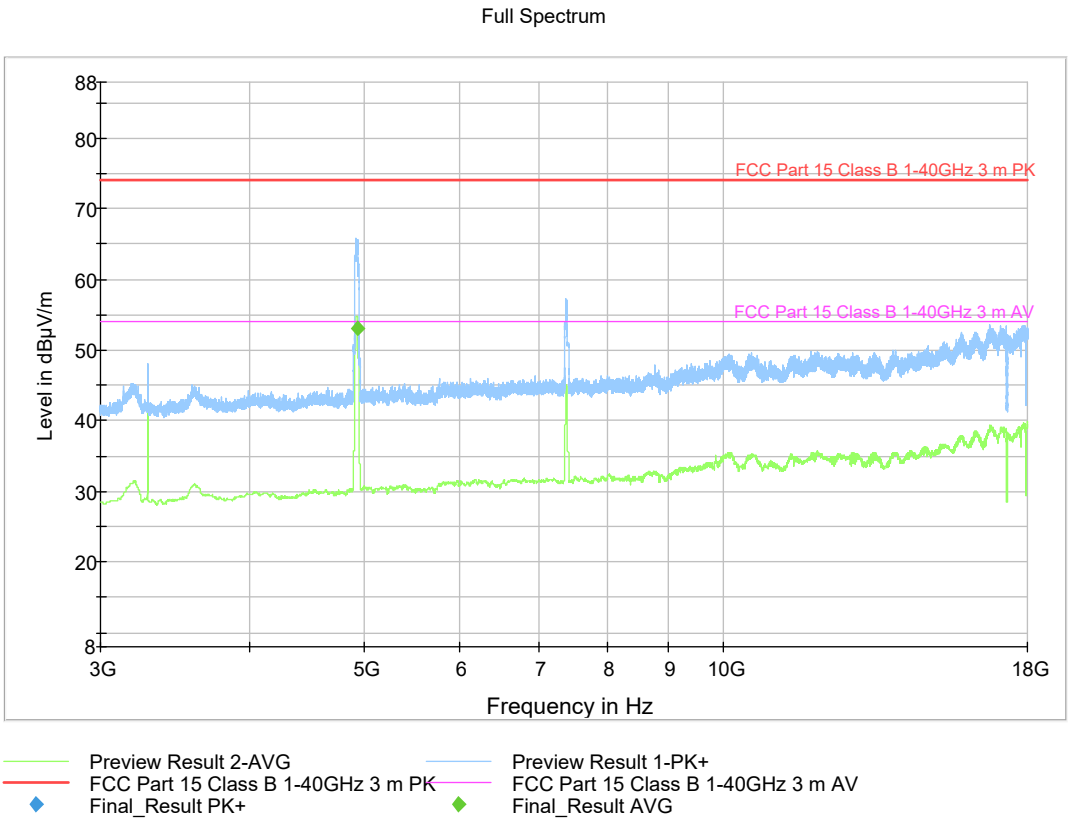


Fundamental Level

Frequency (MHz)	Reading value (dBµV/m)		Antenna Factor with pre-Amplifier (dB3/m)	Cable Loss (dB)	Correct reading (dBµV/m)
	Peak	Average			
2461.750000	**103.13**	**---**	**-13.51**	**3.17**	**92.79**
2462.000000	**---**	**94.78**	**-13.51**	**3.17**	**84.44**

.Peaks out of limits are due to Wi-Fi carrier (exclusion band).
Fundamental frequency not related to limit.

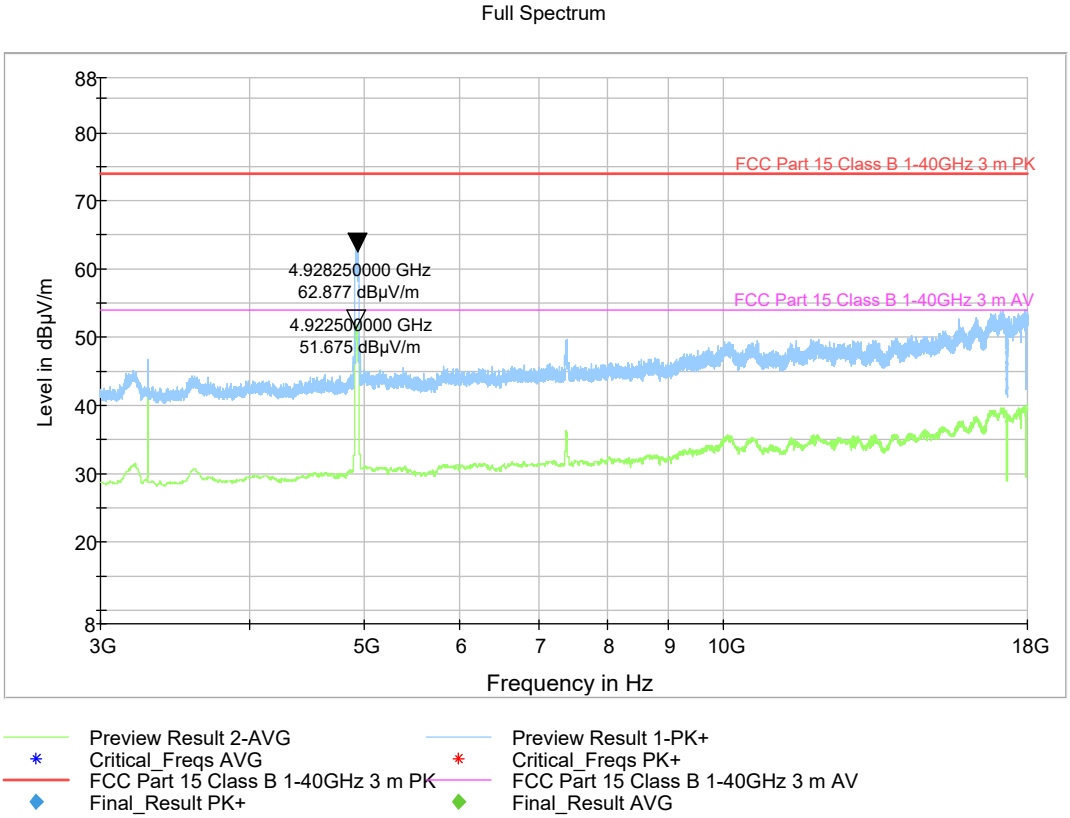
Graphical presentation of radiated emission
Operating mode: 4 (Channel 11 – Frequency 2462 MHz)
Frequency scan: 3GHz -18GHz
Data rate: HT20, MCS1 (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m



Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
4923.500000	**53.00**	**54.00**	**1.00**	**1000.0**	**1000.000**	**210.0**	**V**	**0.0**

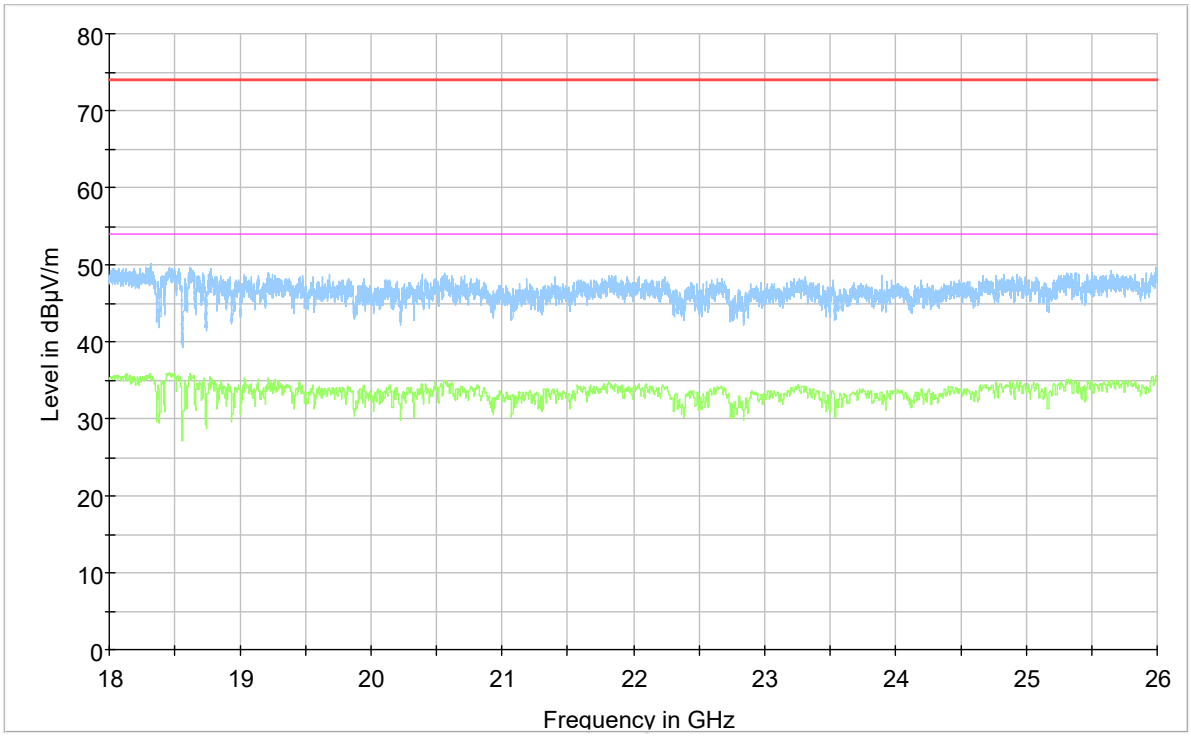
Graphical presentation of radiated emission
Operating mode: 4 (Channel 11 – Frequency 2462 MHz)
Frequency scan: 3GHz -18GHz
Data rate: HT20, MCS1 (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m



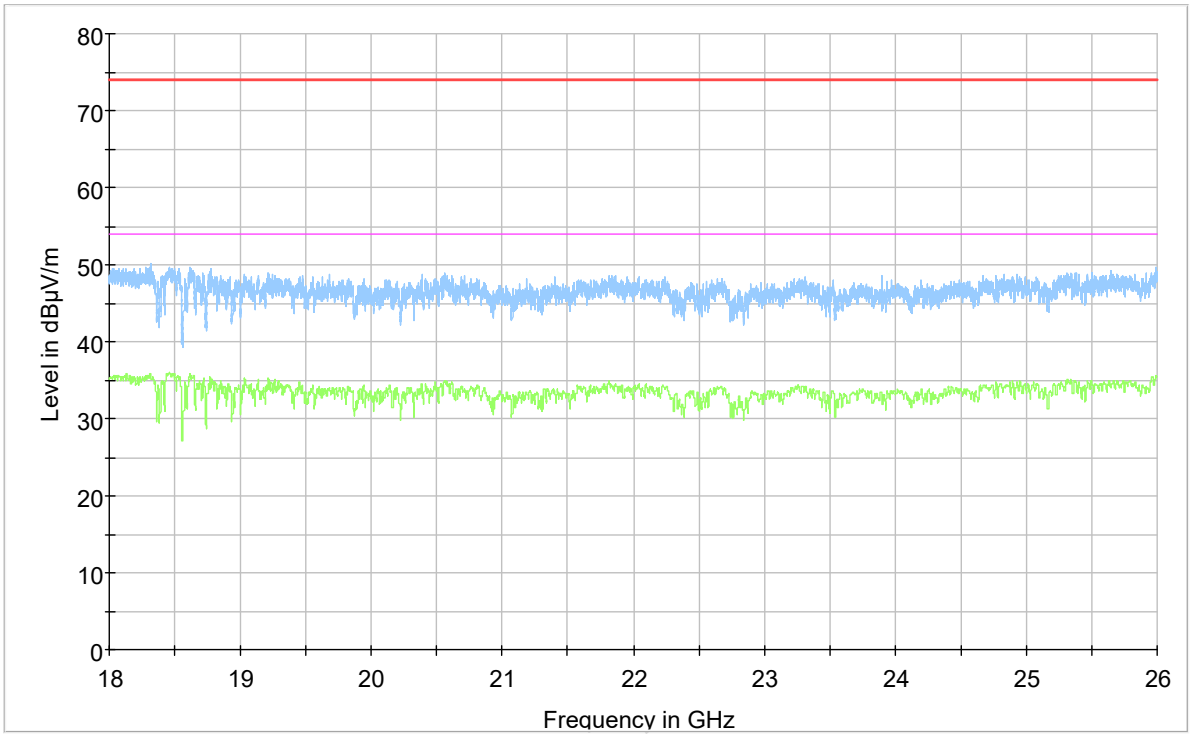
Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
4928.250000	62.87	---	74.00	11.13	1000.0	1000.000	215.0	V	0.0
4922.500000	---	51.67	54.00	2.33	1000.0	1000.000	215.0	V	0.0

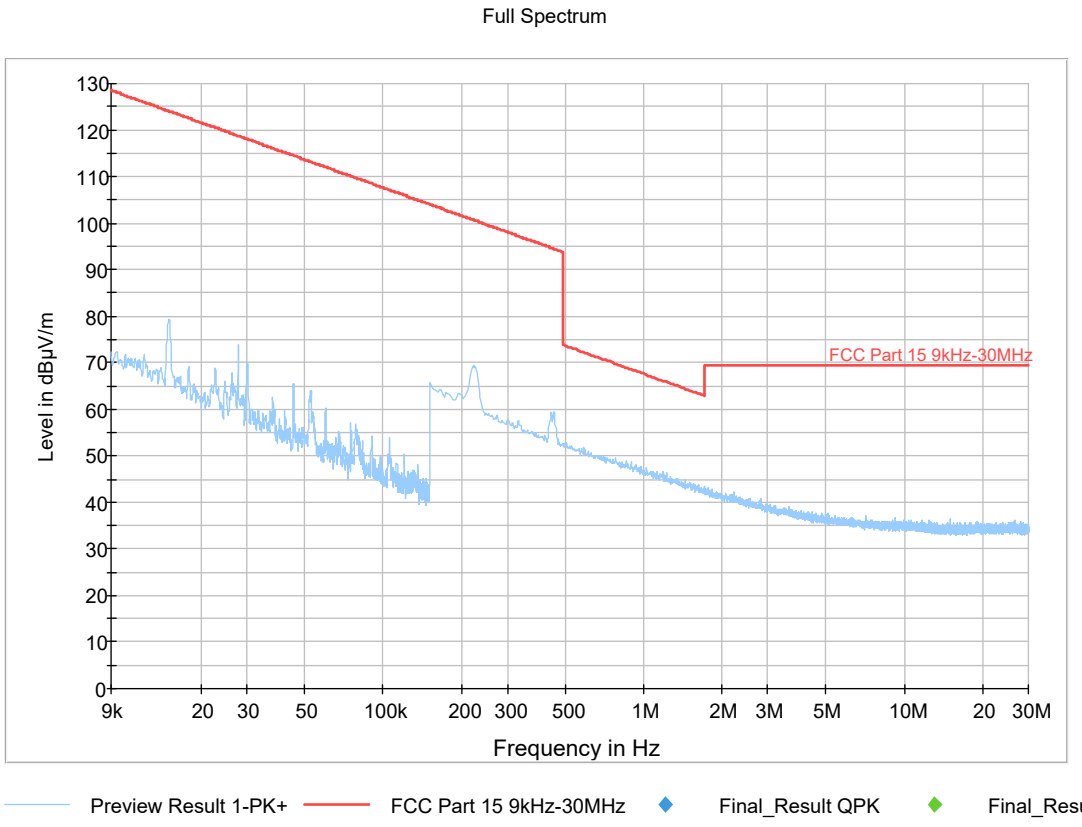
Graphical presentation of radiated emission
Operating mode: 4 (Channel 11 – Frequency 2462 MHz)
Frequency scan: 18GHz – 26GHz
Data rate: HT20, MCS1 (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m



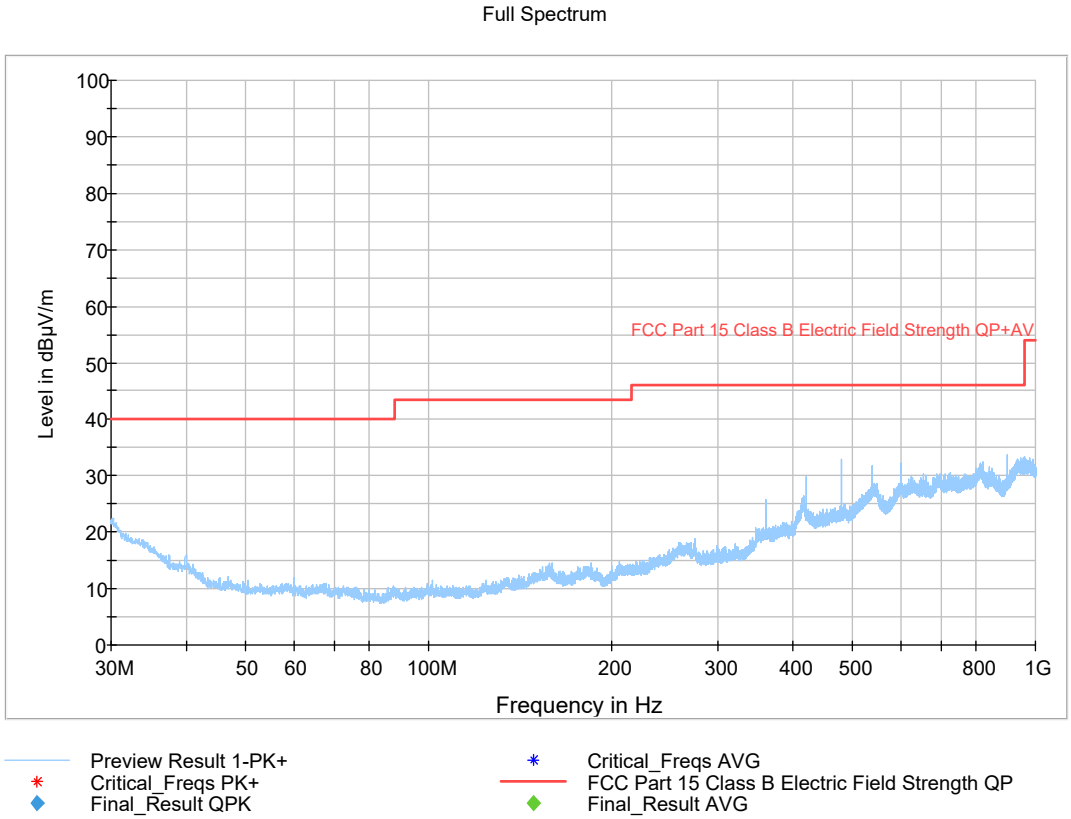
Graphical presentation of radiated emission
Operating mode: 4 (Channel 11 – Frequency 2462 MHz)
Frequency scan: 18GHz – 26GHz
Data rate: HT20, MCS1 (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m



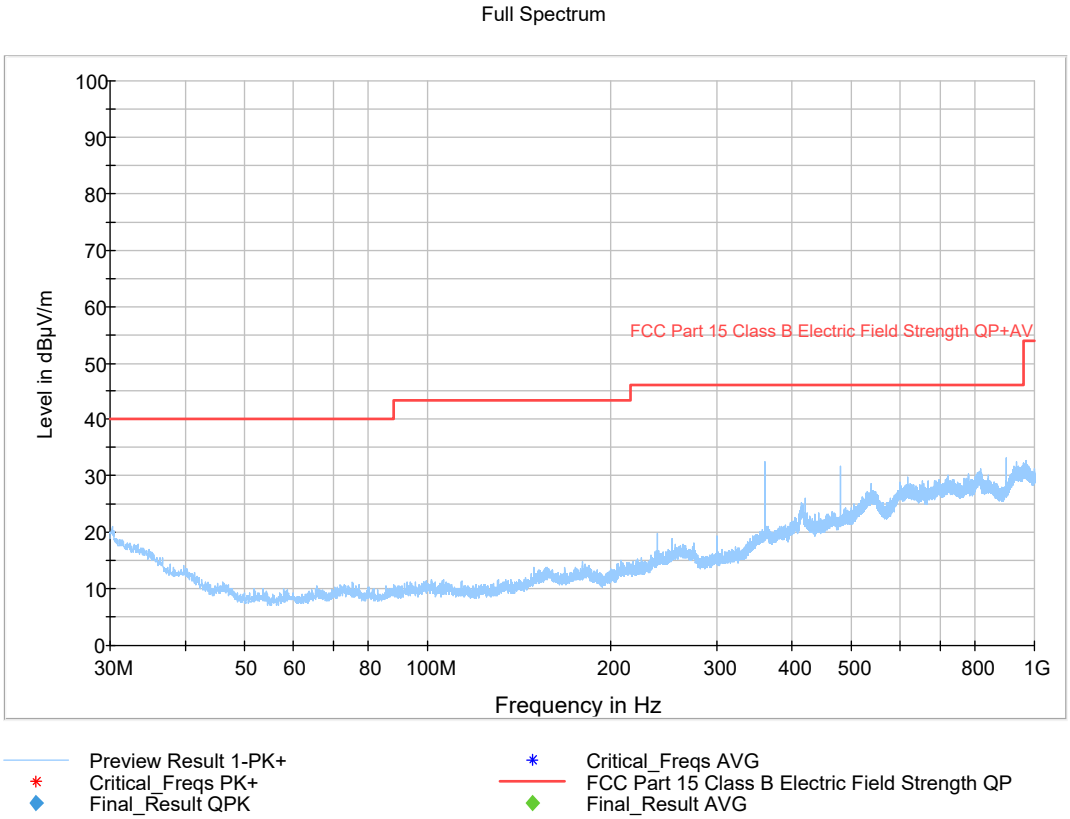
Graphical presentation of radiated emission
Operating mode: 5 (Channel 9 – Frequency 2452 MHz)
Frequency scan: 9KHz – 30MHz
Data rate: HT40, MCS1 (worst case)
Trace: Peak (blue trace)
Axis: Y (worst case)
Measurement distance: 3m



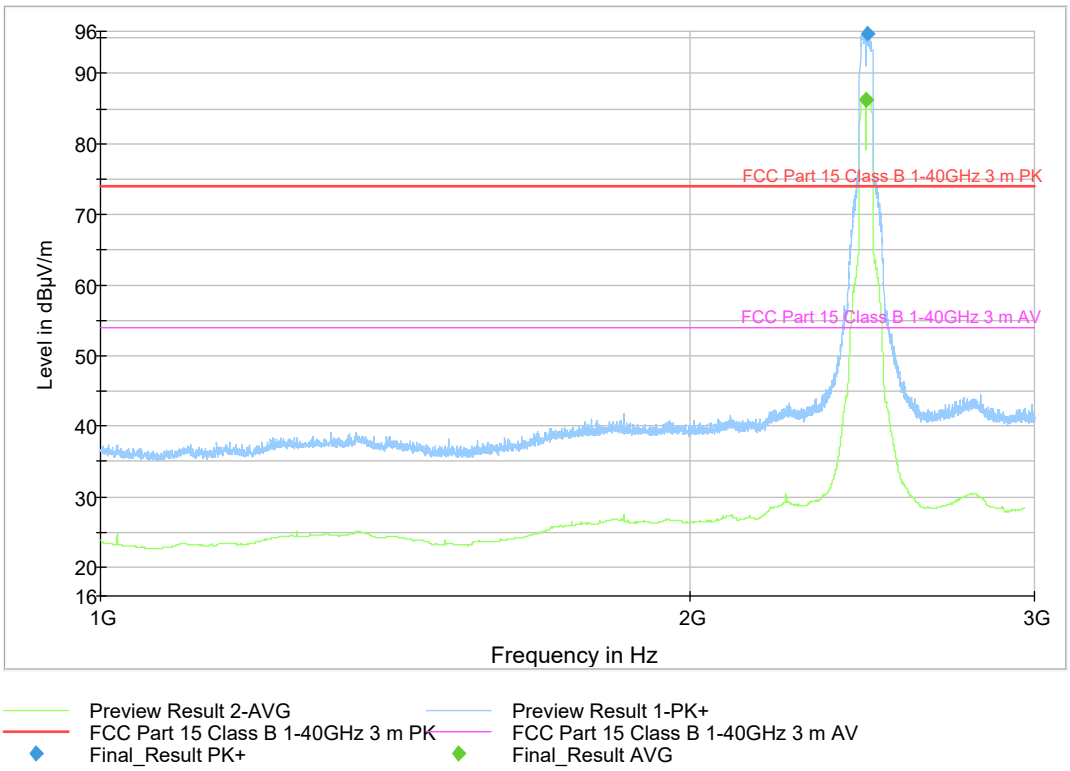
Graphical presentation of radiated emission
Operating mode: 5 (Channel 9 – Frequency 2452 MHz)
Frequency scan: 30MHz – 1GHz
Data rate: HT40, MCS1 (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace)
Axis: Y (worst case)
Measurement distance: 3m



Graphical presentation of radiated emission
Operating mode: 5 (Channel 9 – Frequency 2452 MHz)
Frequency scan: 30MHz – 1GHz
Data rate: HT40, MCS1 (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace)
Axis: Y (worst case)
Measurement distance: 3m



Graphical presentation of radiated emission
Operating mode: 5 (Channel 9 – Frequency 2452 MHz)
Frequency scan: 1GHz – 3GHz
Data rate: HT40, MCS1 (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m

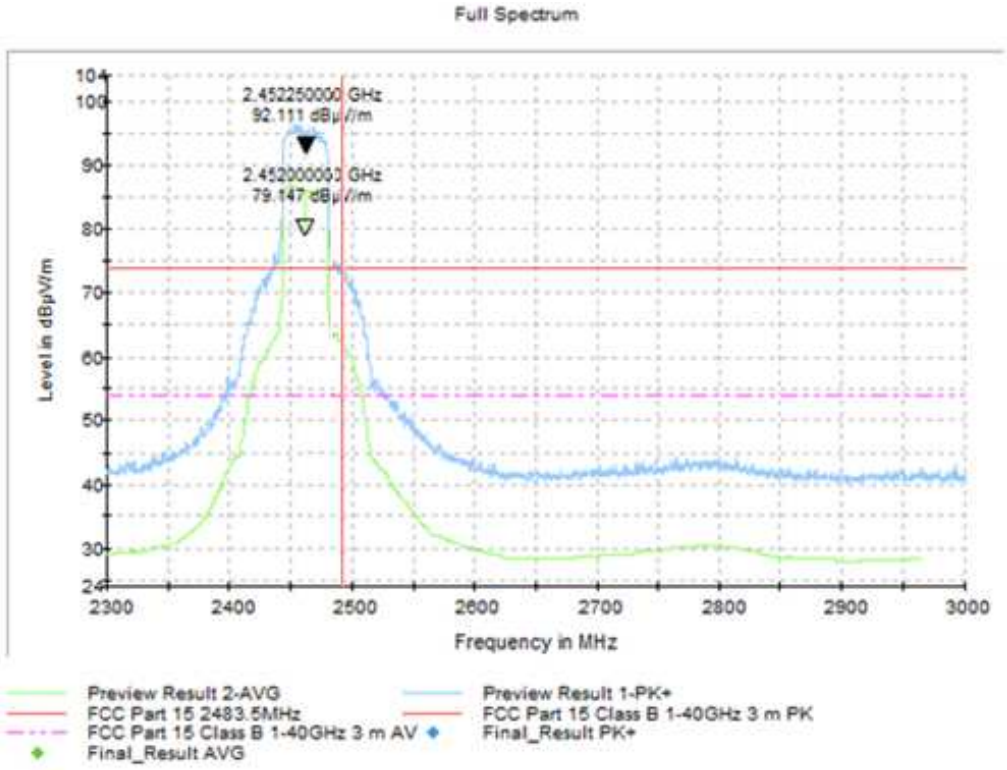


Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
2452.000000	**---**	**86.24**	**54.00**	**---**	**1000.0**	**1000.000**	**190.0**	**V**	**0.0**
2455.000000	**95.71**	**---**	**74.00**	**---**	**1000.0**	**1000.000**	**190.0**	**V**	**0.0**

.Peaks out of limits are due to Wi-Fi carrier (exclusion band).
Fundamental frequency not related to limit.

Graphical presentation of radiated emission
Operating mode: 5 (Channel 9 – Frequency 2452 MHz)
Frequency: Restricted band of operations near fundamental
Data rate: HT40, MCS1 (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace); Average (green trace)
Measurement distance: 3m

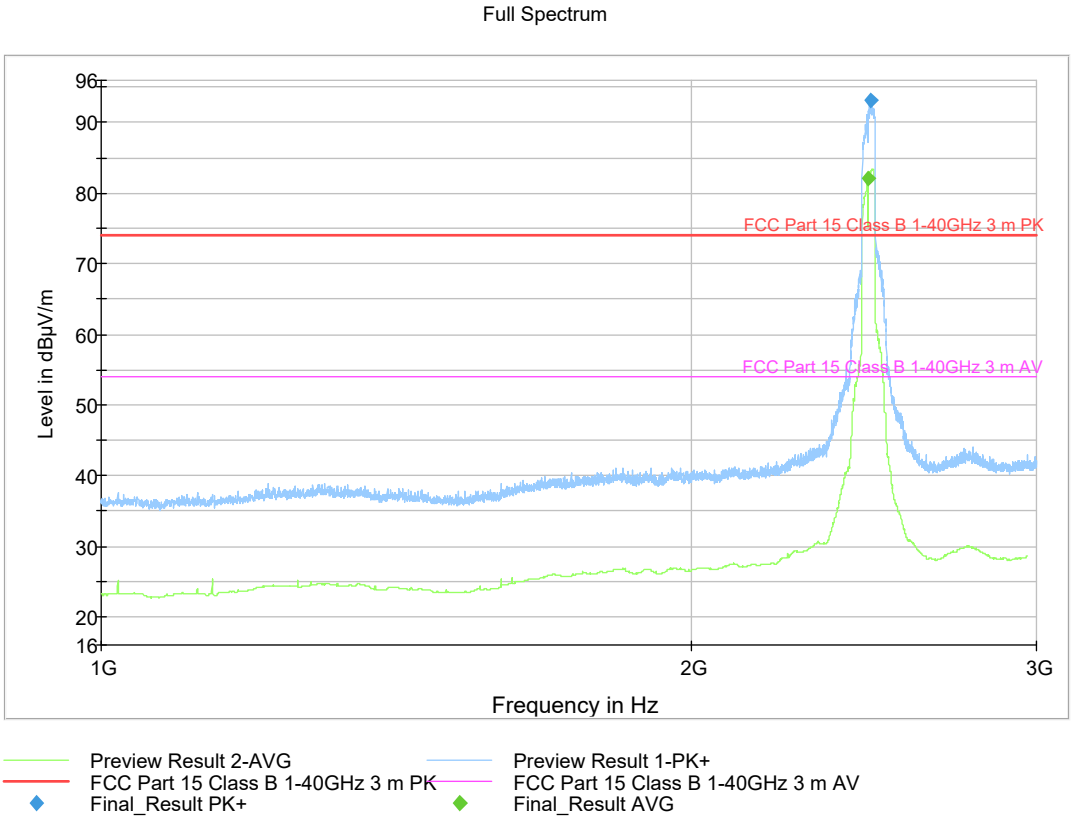


Fundamental Level

Frequency (MHz)	Reading value (dBµV/m)		Antenna Factor with pre-Amplifier (dB3/m)	Cable Loss (dB)	Correct reading (dBµV/m)
	Peak	Average			
2452.250000	**102.45**	**---**	**-13.51**	**3.17**	**92.11**
2452.000000	**---**	**89.49**	**-13.51**	**3.17**	**79.15**

.Peaks out of limits are due to Wi-Fi carrier (exclusion band).
Fundamental frequency not related to limit.

Graphical presentation of radiated emission
Operating mode: 5 (Channel 9 – Frequency 2452 MHz)
Frequency scan: 1GHz – 3GHz
Data rate: HT40, MCS1 (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m

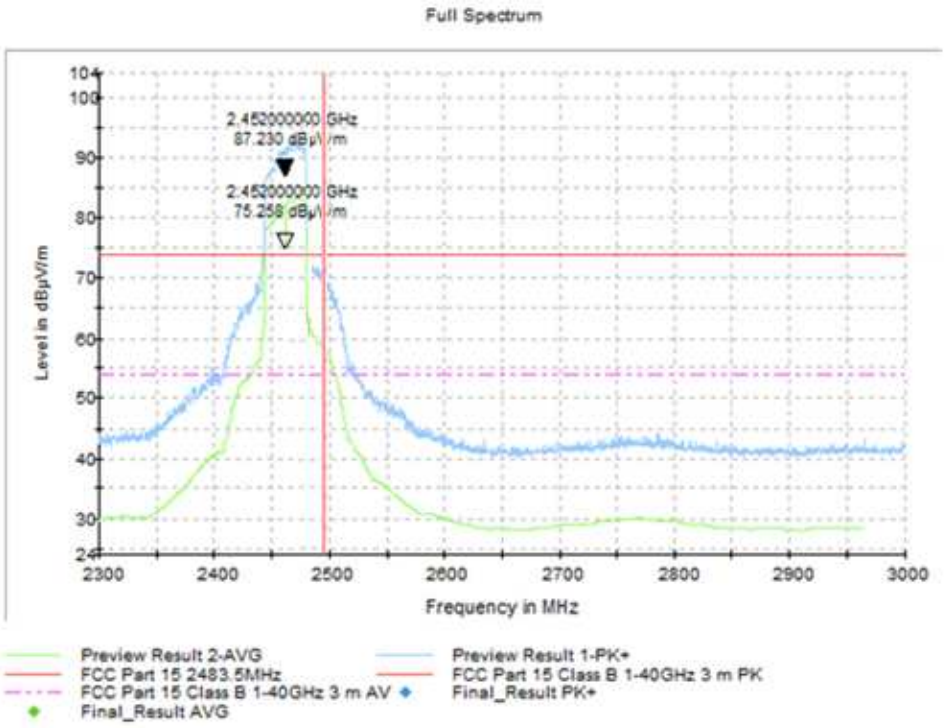


Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
2499.750000	**---**	**81.98**	**54.00**	**---**	**1000.0**	**1000.000**	**175.0**	**H**	**90.0**
2450.000000	**93.05**	**---**	**74.00**	**---**	**1000.0**	**1000.000**	**175.0**	**H**	**90.0**

.Peaks out of limits are due to Wi-Fi carrier (exclusion band).
Fundamental frequency not related to limit.

Graphical presentation of radiated emission
Operating mode: 5 (Channel 9 – Frequency 2452 MHz)
Frequency: Restricted band of operations near fundamental
Data rate: HT40, MCS1 (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace); Average (green trace)
Measurement distance: 3m

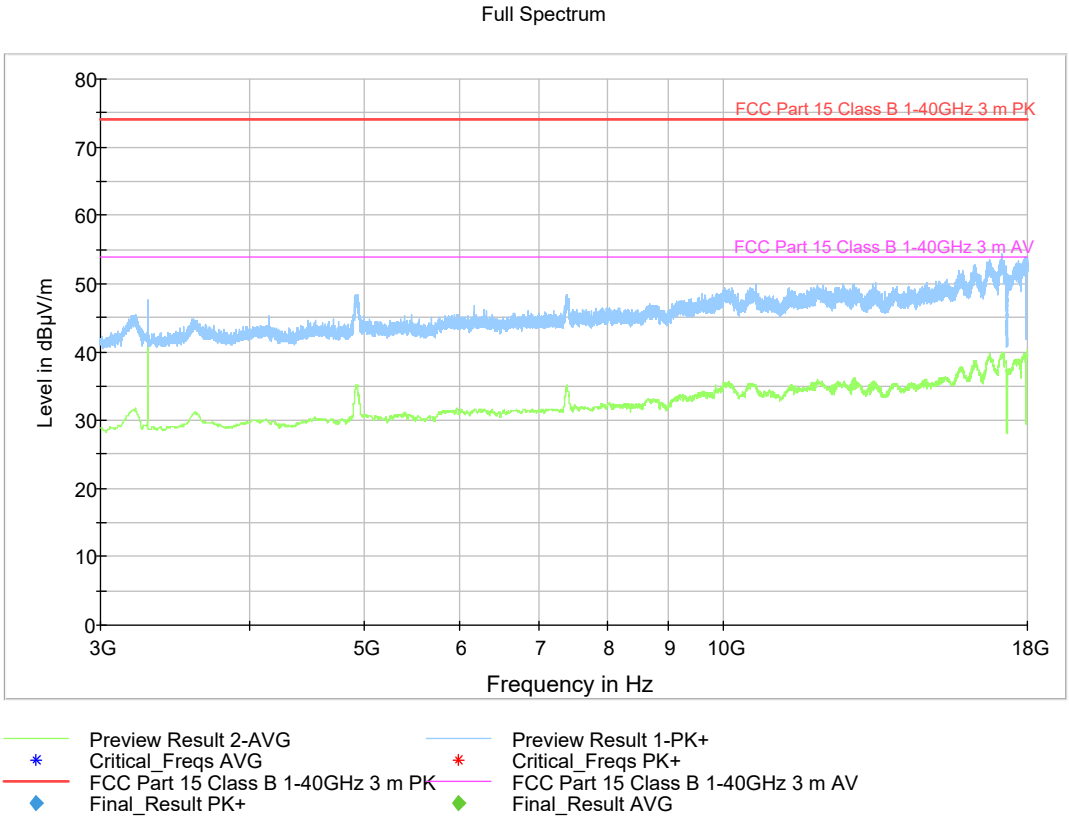


Fundamental Level

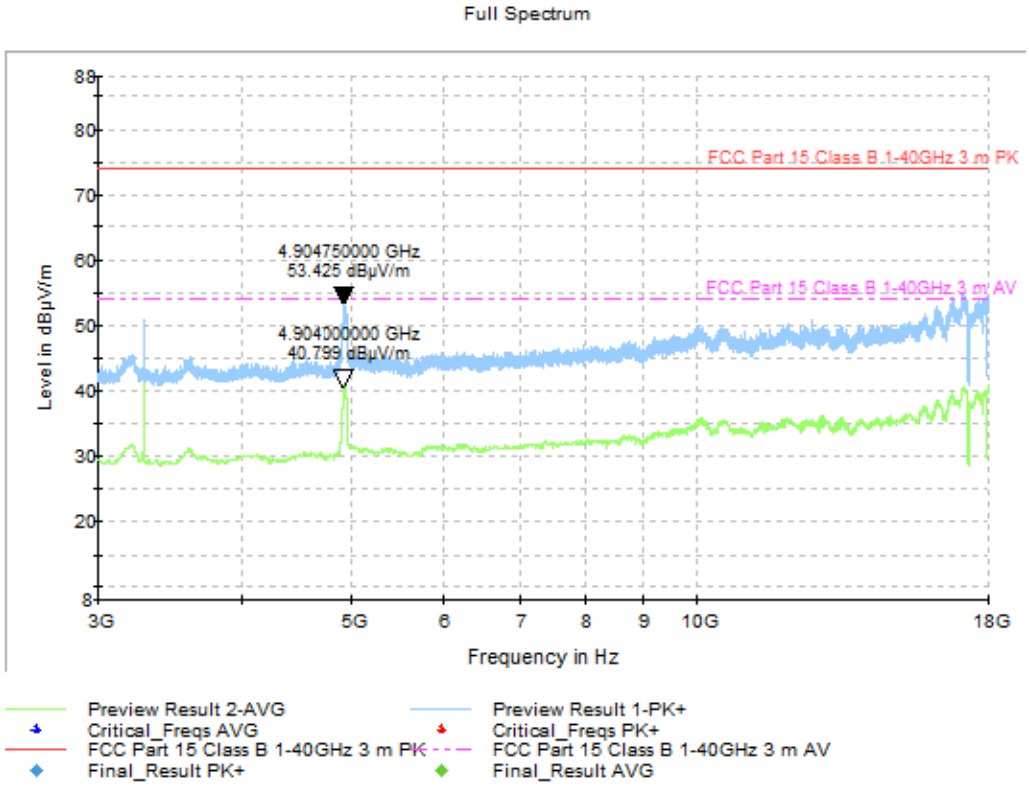
Frequency (MHz)	Reading value (dBµV/m)		Antenna Factor with pre-Amplifier (dB3/m)	Cable Loss (dB)	Correct reading (dBµV/m)
	Peak	Average			
2452.000000	**97.57**	**---**	**-13.51**	**3.17**	**87.23**
2452.000000	**---**	**85.60**	**-13.51**	**3.17**	**75.26**

.Peaks out of limits are due to Wi-Fi carrier (exclusion band).
Fundamental frequency not related to limit.

Graphical presentation of radiated emission
Operating mode: 5 (Channel 9 – Frequency 2452 MHz)
Frequency scan: 3GHz -18GHz
Data rate: HT40, MCS1 (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m



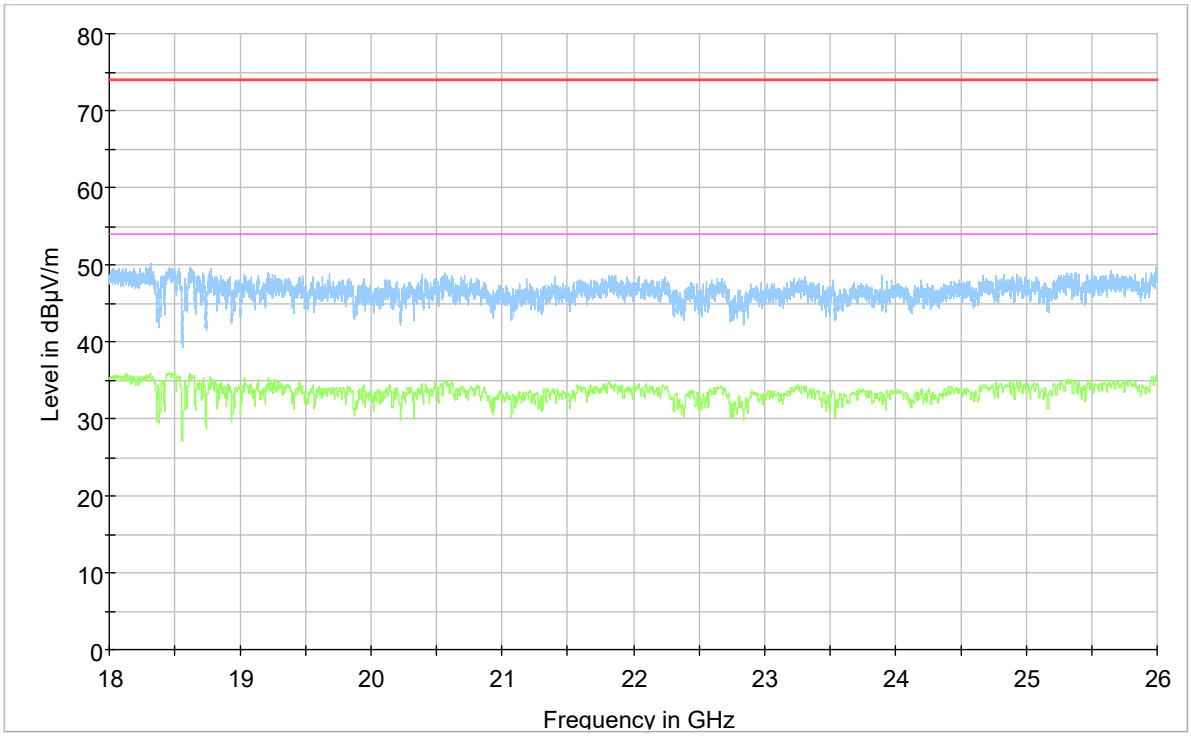
Graphical presentation of radiated emission
Operating mode: 5 (Channel 9 – Frequency 2452 MHz)
Frequency scan: 3GHz -18GHz
Data rate: HT40, MCS1 (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m



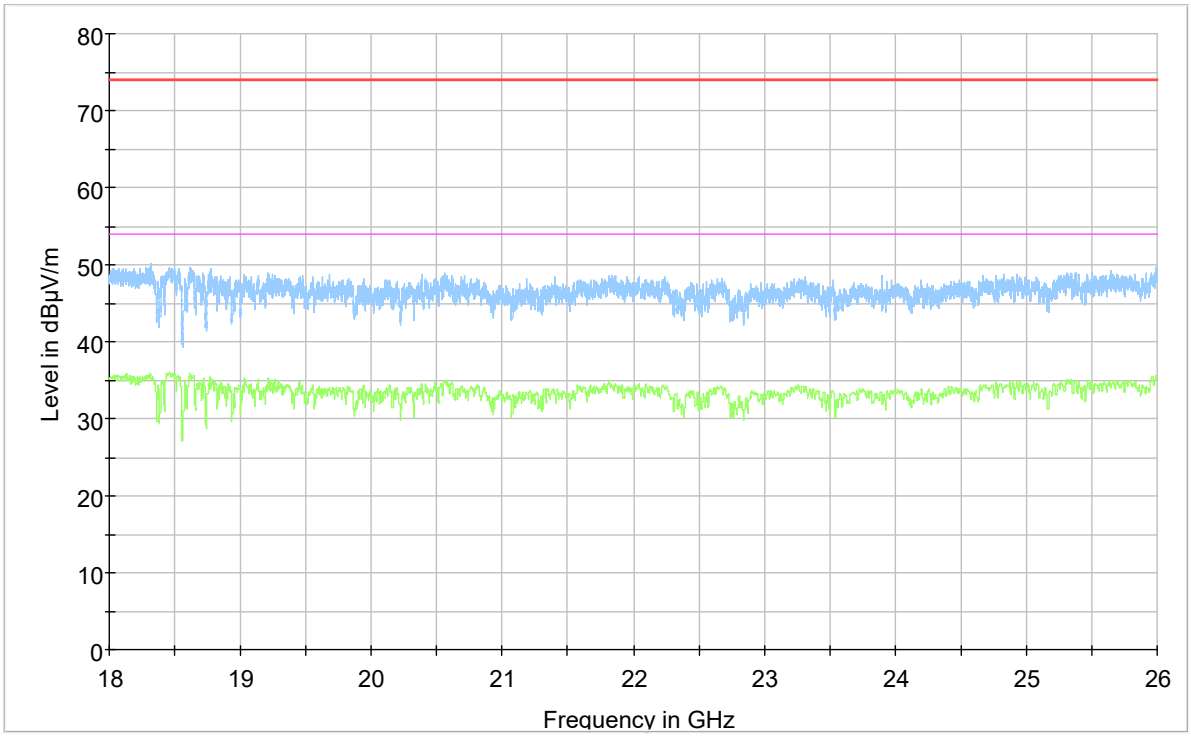
Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
4904.750000	**53.42**	**---**	**74.00**	**20.58**	**1000.0**	**1000.000**	**175.0**	**V**	**0.0**
4904.000000	**---**	**40.90**	**54.00**	**13.10**	**1000.0**	**1000.000**	**175.0**	**V**	**0.0**

Graphical presentation of radiated emission
Operating mode: 5 (Channel 9 – Frequency 2452 MHz)
Frequency scan: 18GHz – 26GHz
Data rate: HT40, MCS1 (worst case)
Antenna polarization: Vertical
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m



Graphical presentation of radiated emission
Operating mode: 5 (Channel 9 – Frequency 2452 MHz)
Frequency scan: 18GHz – 26GHz
Data rate: HT40, MCS1 (worst case)
Antenna polarization: Horizontal
Trace: Peak (blue trace); Average (green trace)
Axis: Y (worst case)
Measurement distance: 3m



Antenna requirements	
Test date	04/04/2022
Applied Standard	Title 47 Part 15 Subpart C §15.203
Test method	§ 5.8 of ANSI C63.10
Temperature	23,1°
Humidity	54%
Tested by	Francesco Lombardi
Model	MP350
Internal Storage No.	1 (Storage no. A003216149-003)
Operating mode	---
Tested terminals	Antenna connector
Result	PASS

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of Sections 15.211, 15.213, 15.217, 15.219, or 15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with Section 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this Part are not exceeded.

Antenna specifications	
N° of authorized antenna types	2
Antenna type	SMD Antenna
Maximum total gain	0.5 dBi
External power amplifiers	Not present

Maximum Conducted Peak Output Power	
Test date	04/04/2022
Applied Standard	Title 47 Part 15 Subpart C §15.247
Test method	According to Par. 8.3.2.2 of KDB 558074 D01 15.247 Meas. Guidance v05r02 (and par. 11.9.1.1 of ANSI C63.10)
Temperature	20,5°
Humidity	54%
Tested by	Francesco Lombardi
Model	MP350
Internal Storage No.	1 (Storage no. A003216149-003)
Operating mode	1, 2, 3, 4, 5
Tested terminals	Antenna connector
Result	PASS

(b) The maximum peak conducted output power of the intentional radiator shall not exceed the following:
(1) For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 watts.

(2) For frequency hopping systems operating in the 902-928 MHz band: 1 watt for systems employing at least 50 hopping channels; and, 0.25 watts for systems employing less than 50 hopping channels, but at least 25 hopping channels, as permitted under paragraph (a)(1)(i) of this section.

(3) For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signalling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.

(4) The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Note: since it was not possible to put in an antenna connector, test was carried out in a radiated manner According to Par. 2.3 of KDB 412172 D01 Determining ERP and EIRP v01r01

Graphical presentation of maximum conducted peak output power

Operation mode: 1 (Channel 1 – Frequency 2412 MHz)

Protocol: 11b

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11b, 1M	2412	1	16.66	46.34	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11b, 2M	2412	1	16.68	46.56	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11b, 5.5M	2412	1	14.81	30.27	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11b, 11M	2412	1	16.47	44.36	0.5	1	4	PASS

Graphical presentation of maximum conducted peak output power

Operation mode: 1 (Channel 1 – Frequency 2412 MHz)

Protocol: 11g

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11g, 6M	2412	1	14.98	31.47	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11g, 9M	2412	1	14.90	30.90	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11g, 12M	2412	1	15.14	32.66	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11g, 18M	2412	1	15.25	33.50	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11g, 24M	2412	1	13.50	22.39	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11g, 36M	2412	1	13.67	23.28	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11g, 48M	2412	1	12.64	18.36	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11g 54M	2412	1	12.47	17.66	0.5	1	4	PASS

Graphical presentation of maximum conducted peak output power

Operation mode: 1 (Channel 1 – Frequency 2412 MHz)

Protocol: HT20

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11n, MCS0 (HT20)	2412	1	14.96	31.33	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11n, MCS1 (HT20)	2412	1	15.56	35.98	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11n, MCS2 (HT20)	2412	1	14.96	31.33	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11n, MCS3 (HT20)	2412	1	13.42	21.98	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11n, MCS4 (HT20)	2412	1	13.90	24.55	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11n, MCS5 (HT20)	2412	1	12.41	17.42	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11n, MCS6 (HT20)	2412	1	11.83	15.24	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11n, MCS7 (HT20)	2412	1	11.11	12.91	0.5	1	4	PASS

Graphical presentation of maximum conducted peak output power

Operating mode: 2 (Channel 3 – Frequency 2422 MHz)

Protocol: HT40

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11n, MCS0 (HT40)	2422	3	12.77	18.92	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11n, MCS1 (HT40)	2422	3	12.82	19.14	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11n, MCS2 (HT40)	2422	3	11.79	15.10	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11n, MCS3 (HT40)	2422	3	8.73	7.46	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11n, MCS4 (HT40)	2422	3	9.19	8.30	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11n, MCS5 (HT40)	2422	3	8.46	7.01	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11n, MCS6 (HT40)	2422	3	7.57	5.71	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11n, MCS7 (HT40)	2422	3	7.01	5.02	0.5	1	4	PASS

Graphical presentation of maximum conducted peak output power

Operation mode: 3 (Channel 6 – Frequency 2437 MHz)

Protocol: 11b

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11b, 1M	2437	6	16.45	44.16	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11b, 2M	2437	6	16.40	43.65	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11b, 5.5M	2437	6	14.44	27.80	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11b, 11M	2437	6	16.21	41.78	0.5	1	4	PASS

Graphical presentation of maximum conducted peak output power

Operation mode: 3 (Channel 6 – Frequency 2437 MHz)

Protocol: 11g

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11g, 6M	2437	6	14.65	29.17	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11g, 9M	2437	6	14.56	28.58	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11g, 12M	2437	6	14.86	30.62	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11g, 18M	2437	6	14.82	30.34	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11g, 24M	2437	6	12.96	19.77	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11g, 36M	2437	6	12.93	19.63	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11g, 48M	2437	6	11.98	15.77	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11g 54M	2437	6	12.21	16.63	0.5	1	4	PASS

Graphical presentation of maximum conducted peak output power

Operation mode: 3 (Channel 6 – Frequency 2437 MHz)

Protocol: HT20

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11n, MCS0 (HT20)	2437	6	14.84	30.48	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11n, MCS1 (HT20)	2437	6	15.38	34.51	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11n, MCS2 (HT20)	2437	6	14.85	30.55	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11n, MCS3 (HT20)	2437	6	12.76	18.88	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11n, MCS4 (HT20)	2437	6	13.21	20.94	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11n, MCS5 (HT20)	2437	6	12.03	15.96	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11n, MCS6 (HT20)	2437	6	11.64	14.59	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11n, MCS7 (HT20)	2437	6	10.83	12.10	0.5	1	4	PASS

Graphical presentation of maximum conducted peak output power

Operation mode: 3 (Channel 6 – Frequency 2437 MHz)

Protocol: HT40

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11n, MCS0 (HT40)	2437	6	11.28	13.43	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11n, MCS1 (HT40)	2437	6	12.03	15.96	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11n, MCS2 (HT40)	2437	6	11.66	14.65	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11n, MCS3 (HT40)	2437	6	8.42	6.95	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11n, MCS4 (HT40)	2437	6	8.94	7.83	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11n, MCS5 (HT40)	2437	6	9.08	8.10	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11n, MCS6 (HT40)	2437	6	7.58	5.73	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11n, MCS7 (HT40)	2437	6	6.93	4.93	0.5	1	4	PASS

Graphical presentation of maximum conducted peak output power

Operation mode: 4 (Channel 11 – Frequency 2462 MHz)

Protocol: 11b

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11b, 1M	2462	11	16.27	42.36	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11b, 2M	2462	11	16.14	41.11	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11b, 5.5M	2462	11	14.36	27.29	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11b, 11M	2462	11	15.97	39.54	0.5	1	4	PASS

Graphical presentation of maximum conducted peak output power

Operation mode: 4 (Channel 11 – Frequency 2462 MHz)

Protocol: 11g

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11g, 6M	2462	11	14.41	27.61	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11g, 9M	2462	11	14.34	27.16	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11g, 12M	2462	11	14.53	28.38	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11g, 18M	2462	11	14.62	28.97	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11g, 24M	2462	11	12.97	19.81	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11g, 36M	2462	11	12.97	19.81	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11g, 48M	2462	11	12.02	15.92	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11g 54M	2462	11	12.00	15.85	0.5	1	4	PASS

Graphical presentation of maximum conducted peak output power

Operation mode: 4 (Channel 11 – Frequency 2462 MHz)

Protocol: HT20

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11n, MCS0 (HT20)	2462	11	14.34	27.16	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11n, MCS1 (HT20)	2462	11	14.86	30.62	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11n, MCS2 (HT20)	2462	11	14.46	27.92	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11n, MCS3 (HT20)	2462	11	12.37	17.26	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11n, MCS4 (HT20)	2462	11	13.11	20.46	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11n, MCS5 (HT20)	2462	11	11.82	15.20	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11n, MCS6 (HT20)	2462	11	11.09	12.85	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11n, MCS7 (HT20)	2462	11	10.46	11.11	0.5	1	4	PASS

Graphical presentation of maximum conducted peak output power

Operating mode: 5 (Channel 9 – Frequency 2452 MHz)

Protocol: HT40

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11n, MCS0 (HT40)	2452	9	10.80	12.02	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11n, MCS1 (HT40)	2452	9	11.66	14.65	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11n, MCS2 (HT40)	2452	9	10.99	12.56	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11n, MCS3 (HT40)	2452	9	8.34	6.82	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11n, MCS4 (HT40)	2452	9	8.82	7.62	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11n, MCS5 (HT40)	2452	9	8.04	6.38	0.5	1	4	PASS

Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11n, MCS6 (HT40)	2452	9	7.04	5.06	0.5	1	4	PASS

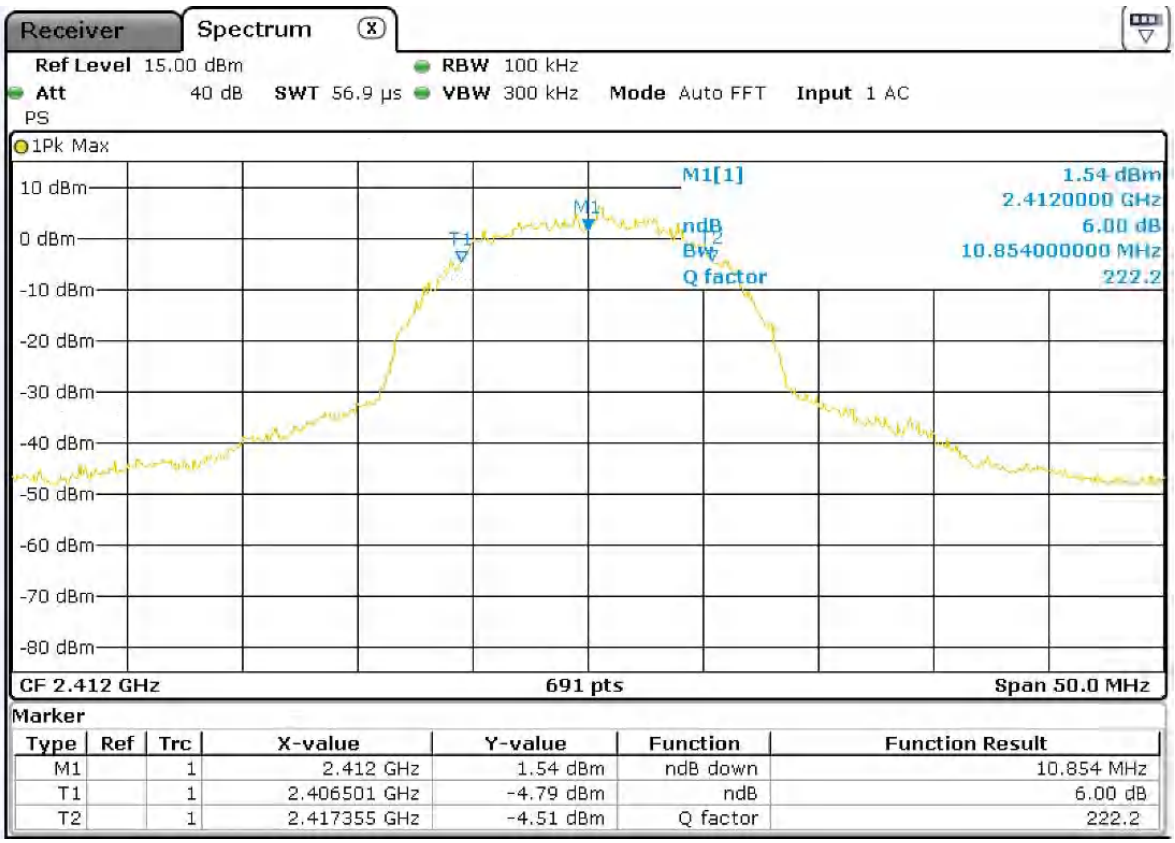
Test conditions			Frequency (MHz)	Channel	Conducted Output Power (Eirp)		Antenna Gain	Limits (W)		Result
Temperature	Voltage	Data rate			dBm	mW	dBi	Conducted	Radiated	
Tnom +20.5°C	5Vdc (internal battery)	11n, MCS7 (HT40)	2452	9	6.52	4.49	0.5	1	4	PASS

6dB Bandwidth	
Test date	From 06/04/2022 to 08/04/2022
Applied Standard	Title 47 Part 15 Subpart C §15.247
Test method	According to Par. 8.2 of KDB 558074 D01 15.247 Meas. Guidance v05r02 (and par. 11.8.1 Option 1 of ANSI C63.10)
Temperature	23,1°
Humidity	54%
Tested by	Francesco Lombardi
Model	MP350
Internal Storage No.	1 (Storage no. A003216149-003)
Operating mode	1, 2, 3, 4, 5
Tested terminals	Antenna connector
Result	PASS
Systems using digital modulation techniques may operate in the 902-928 MHz, 2400-2483,5 MHz, and 5725-5850 MHz bands, The minimum 6 dB bandwidth shall be at least 500 kHz.	

Graphical presentation of 6dB Bandwidth measurement

Operation mode: 1 (Channel 1 – Frequency 2412 MHz)

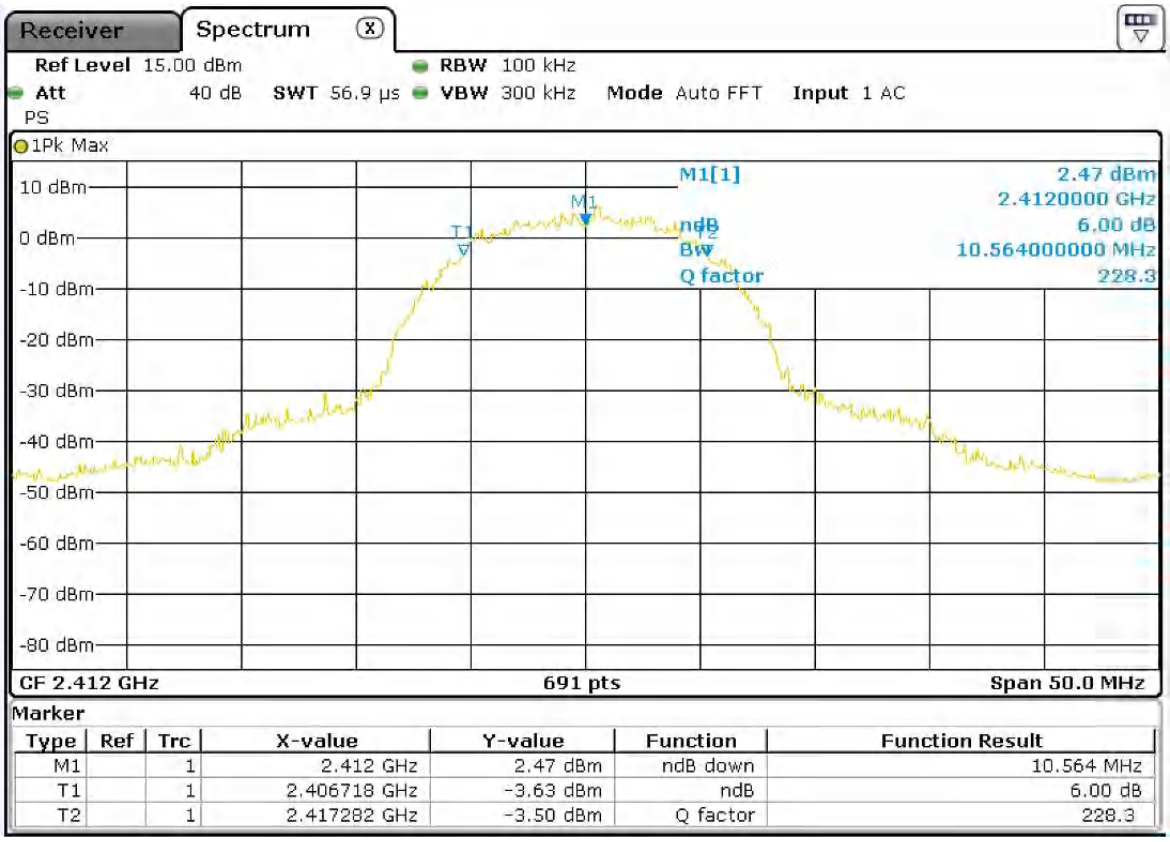
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11b, 1M	2412	1	10.85	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 1 (Channel 1 – Frequency 2412 MHz)

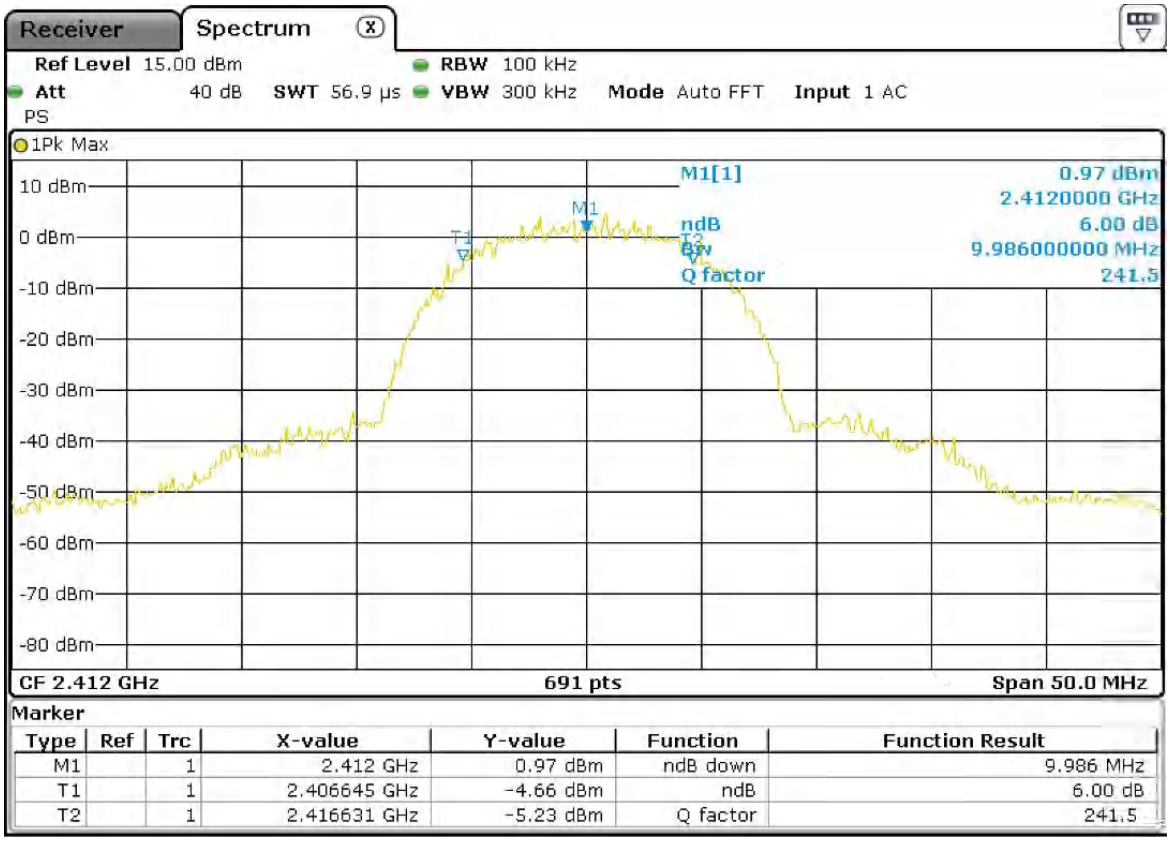
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11b, 2M	2412	1	10.56	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 1 (Channel 1 – Frequency 2412 MHz)

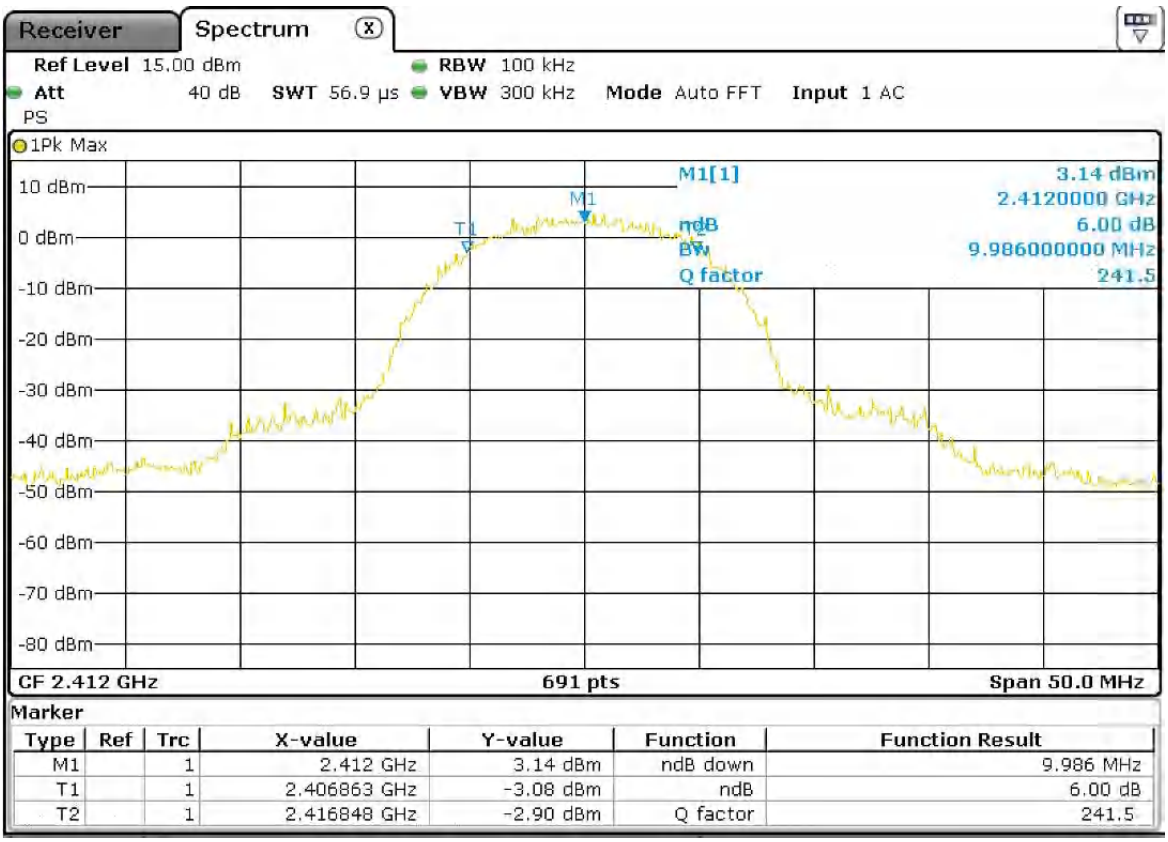
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11b, 5.5M	2412	1	9.98	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 1 (Channel 1 – Frequency 2412 MHz)

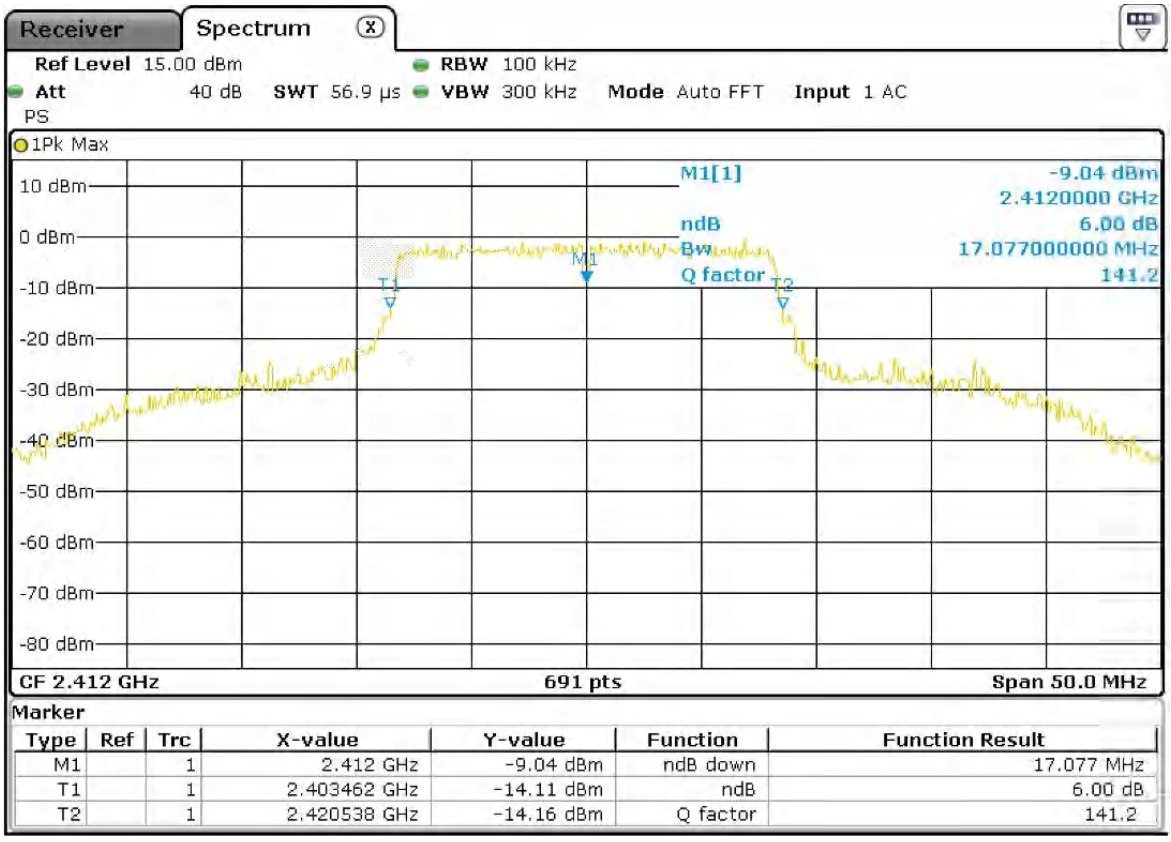
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11b, 11M	2412	1	9.98	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 1 (Channel 1 – Frequency 2412 MHz)

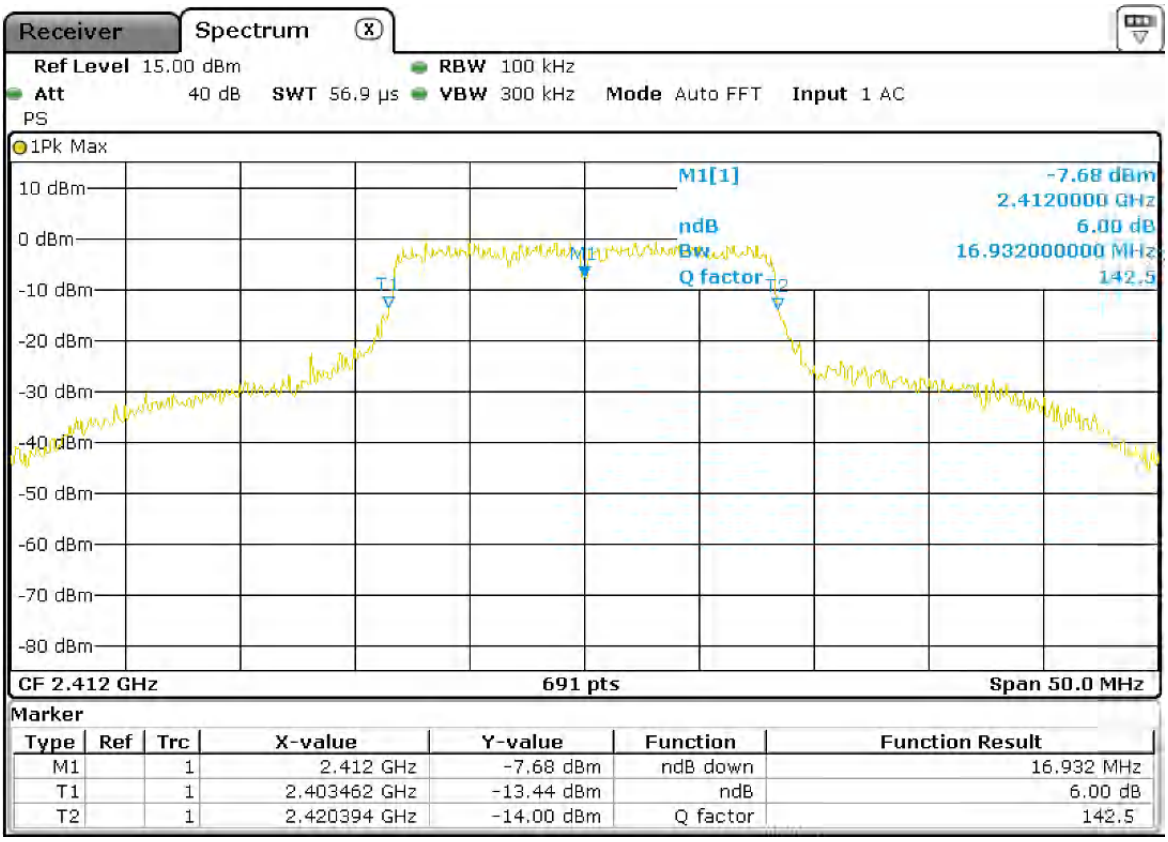
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11g, 6M	2412	1	17.07	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 1 (Channel 1 – Frequency 2412 MHz)

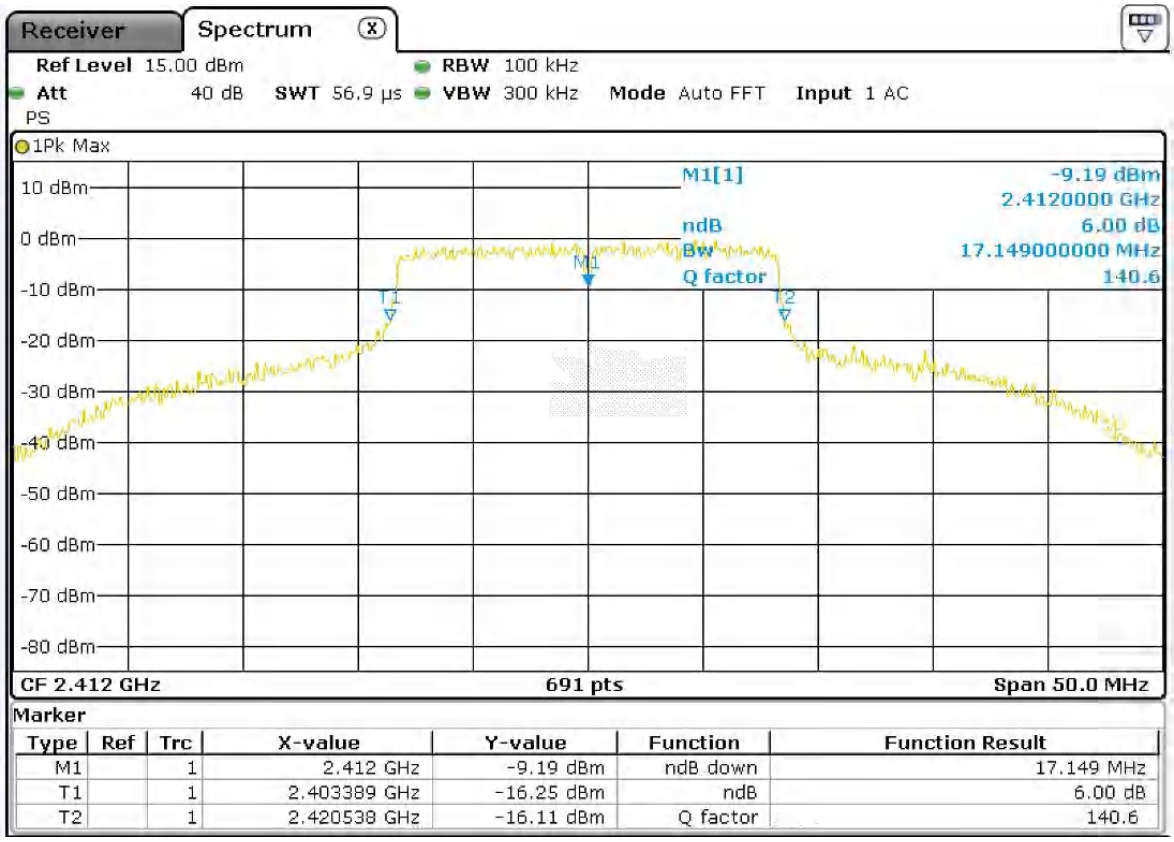
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11g, 9M	2412	1	16.93	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 1 (Channel 1 – Frequency 2412 MHz)

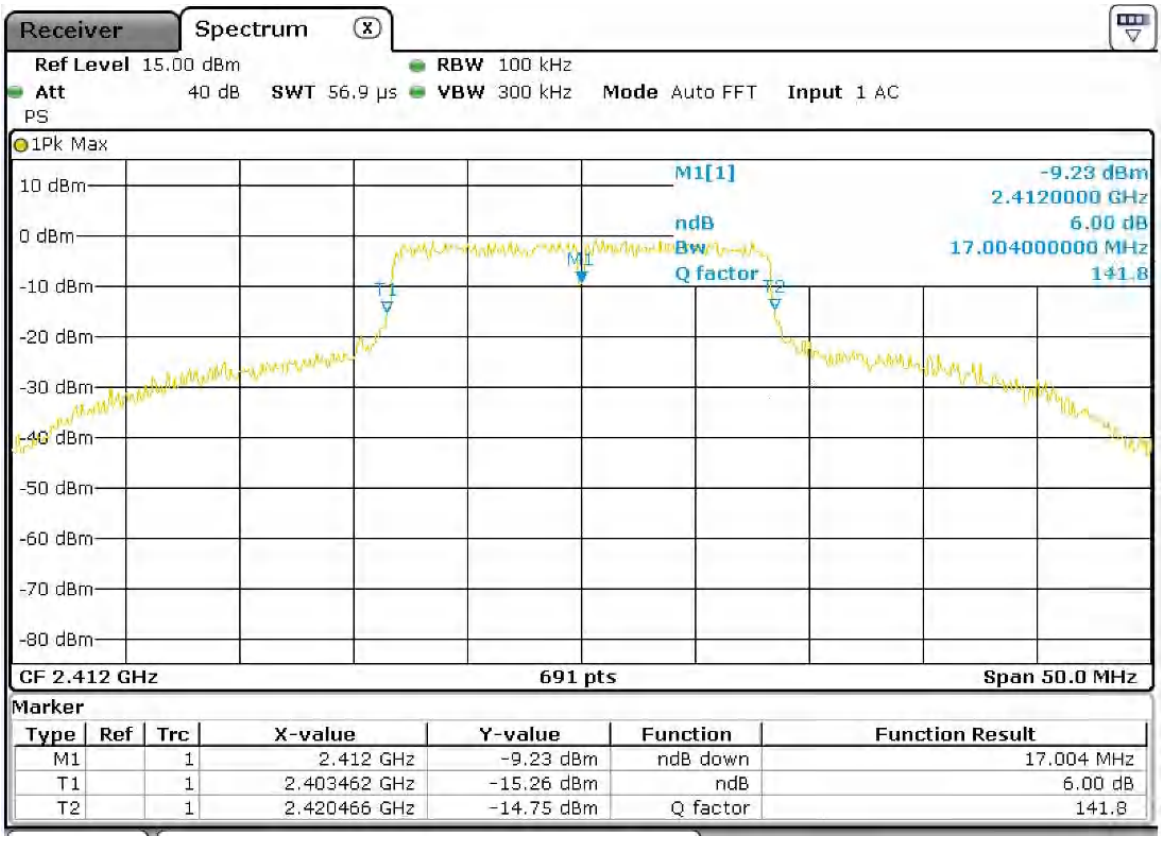
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11g, 12M	2412	1	17.15	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 1 (Channel 1 – Frequency 2412 MHz)

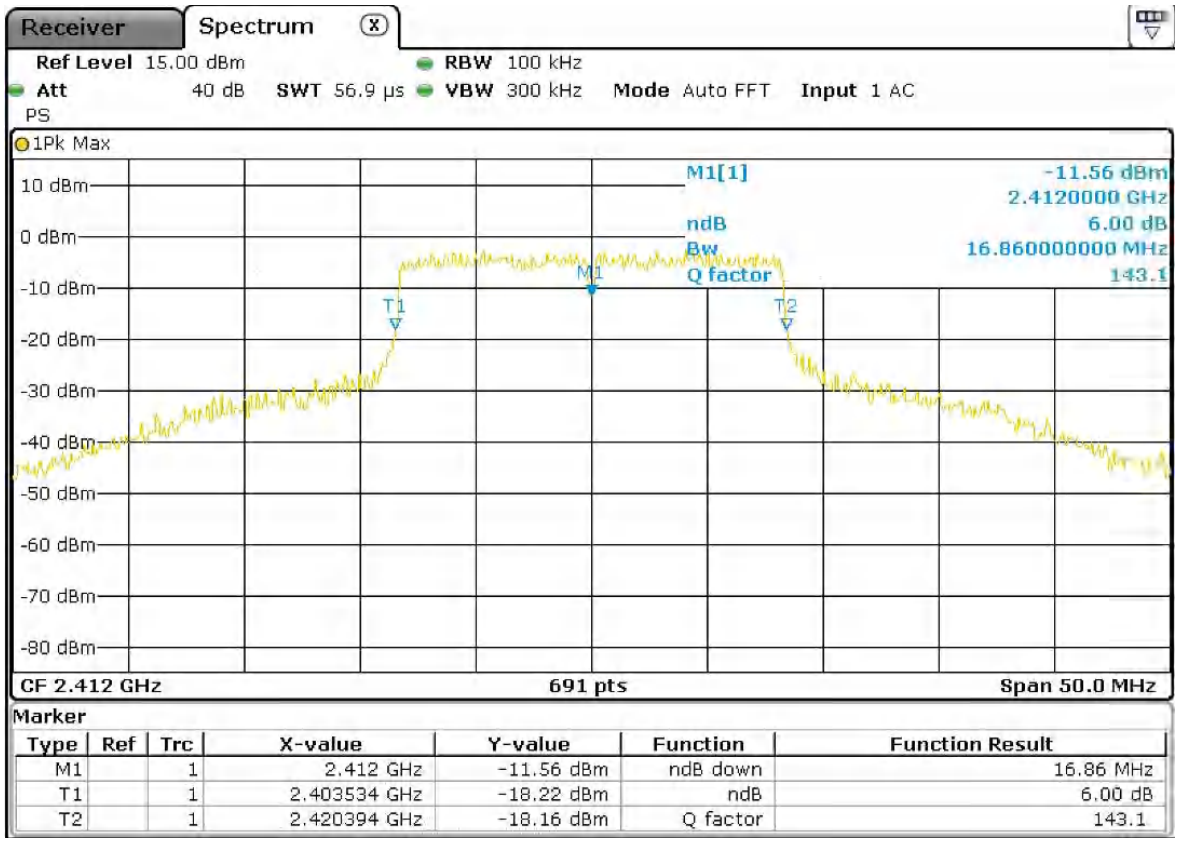
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11g, 18M	2412	1	17.00	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 1 (Channel 1 – Frequency 2412 MHz)

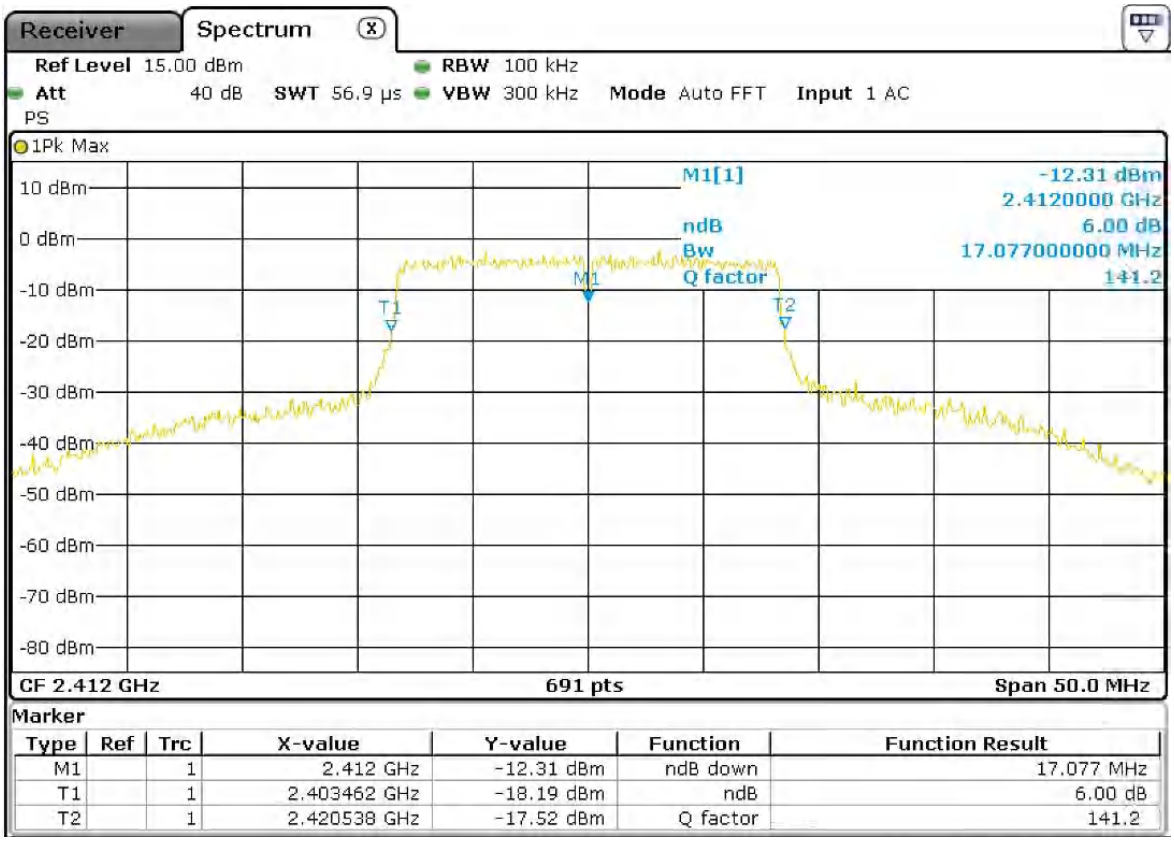
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11g, 24M	2412	1	16.86	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 1 (Channel 1 – Frequency 2412 MHz)

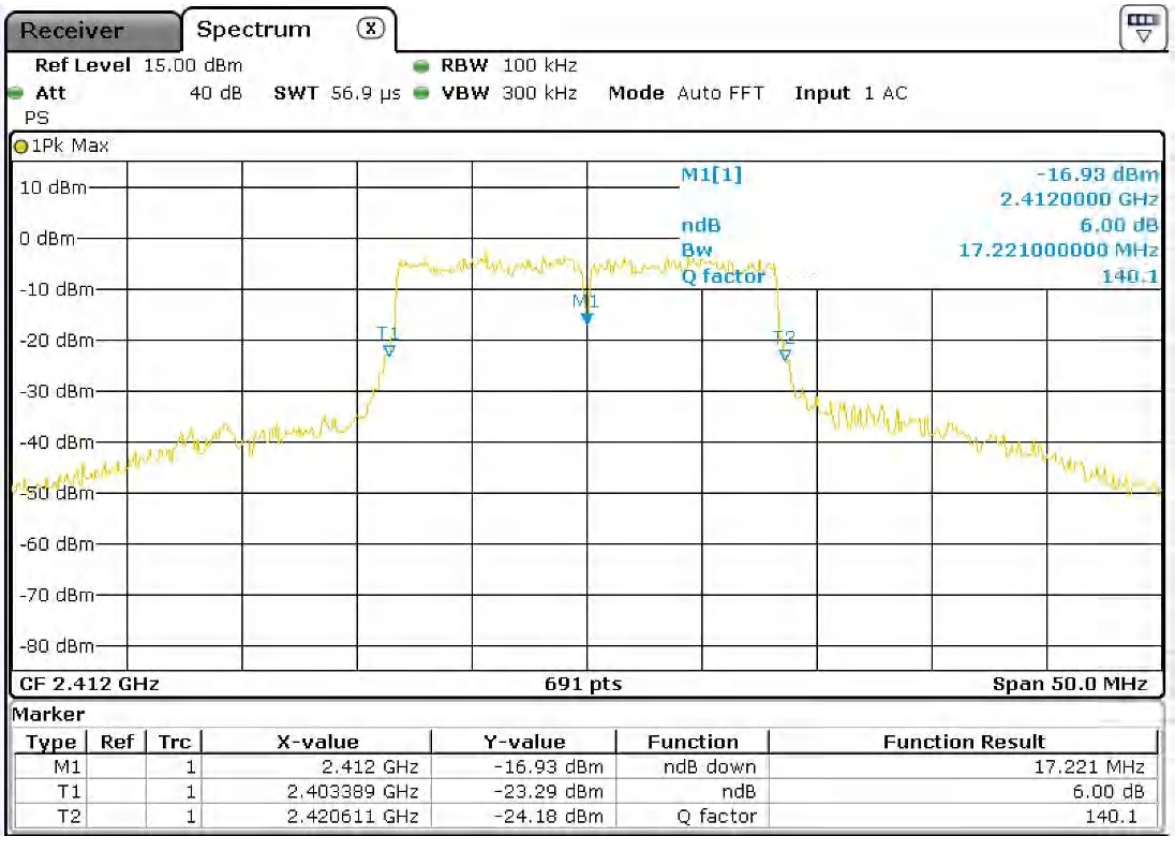
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11g, 36M	2412	1	17.08	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 1 (Channel 1 – Frequency 2412 MHz)

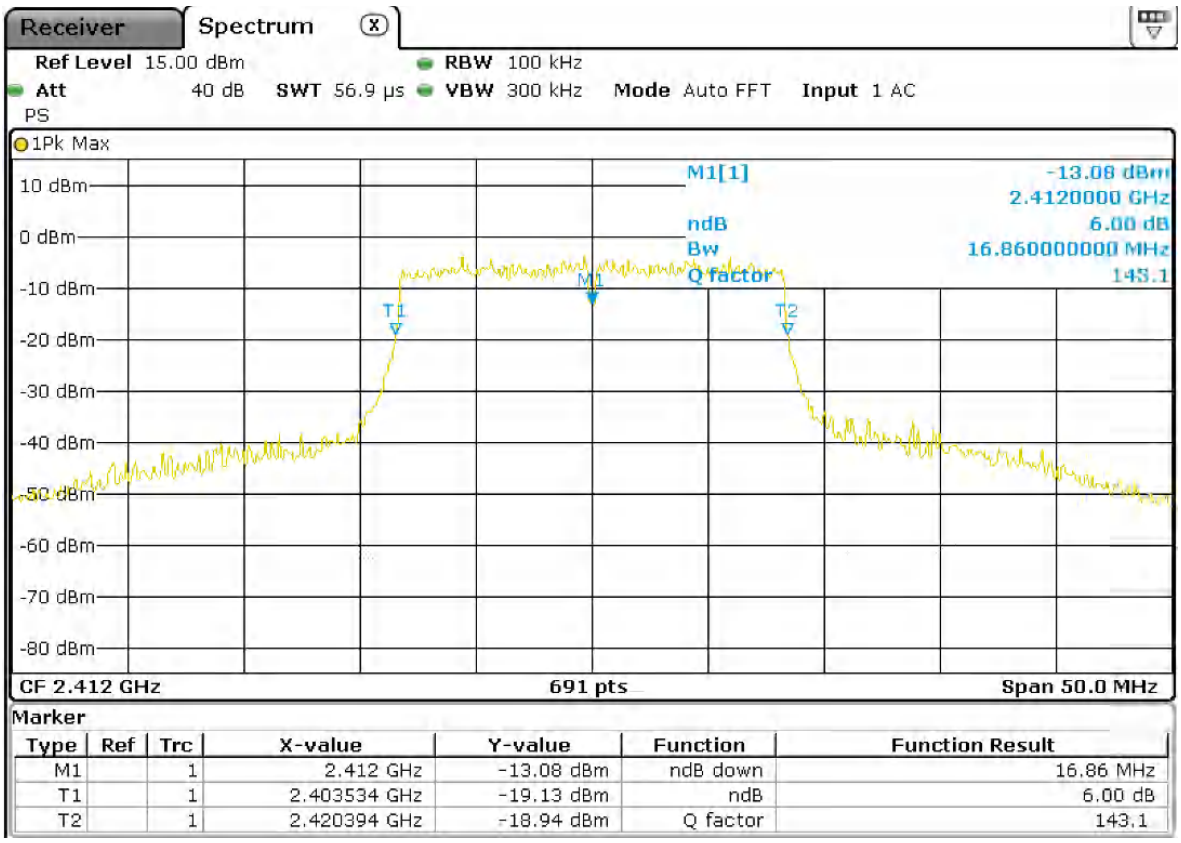
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11g, 48M	2412	1	17.22	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 1 (Channel 1 – Frequency 2412 MHz)

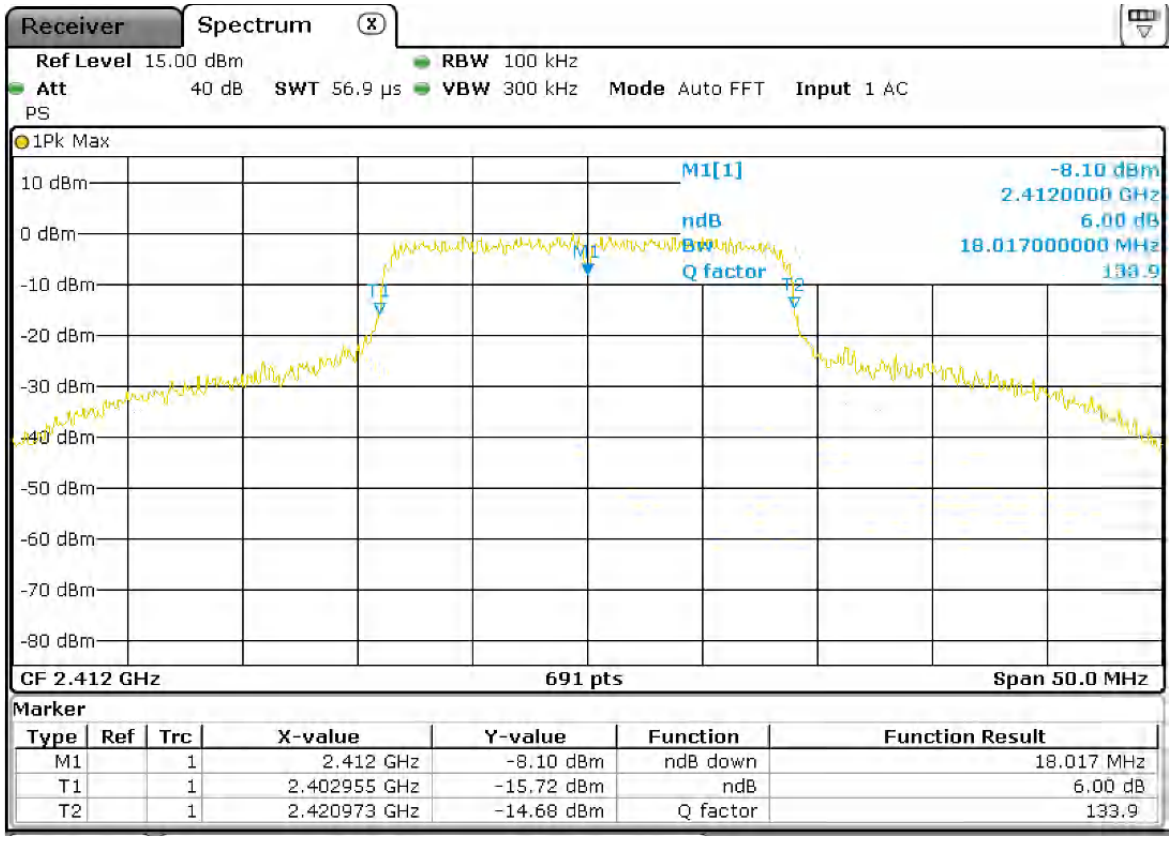
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11g, 54M	2412	1	16.86	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 1 (Channel 1 – Frequency 2412 MHz)

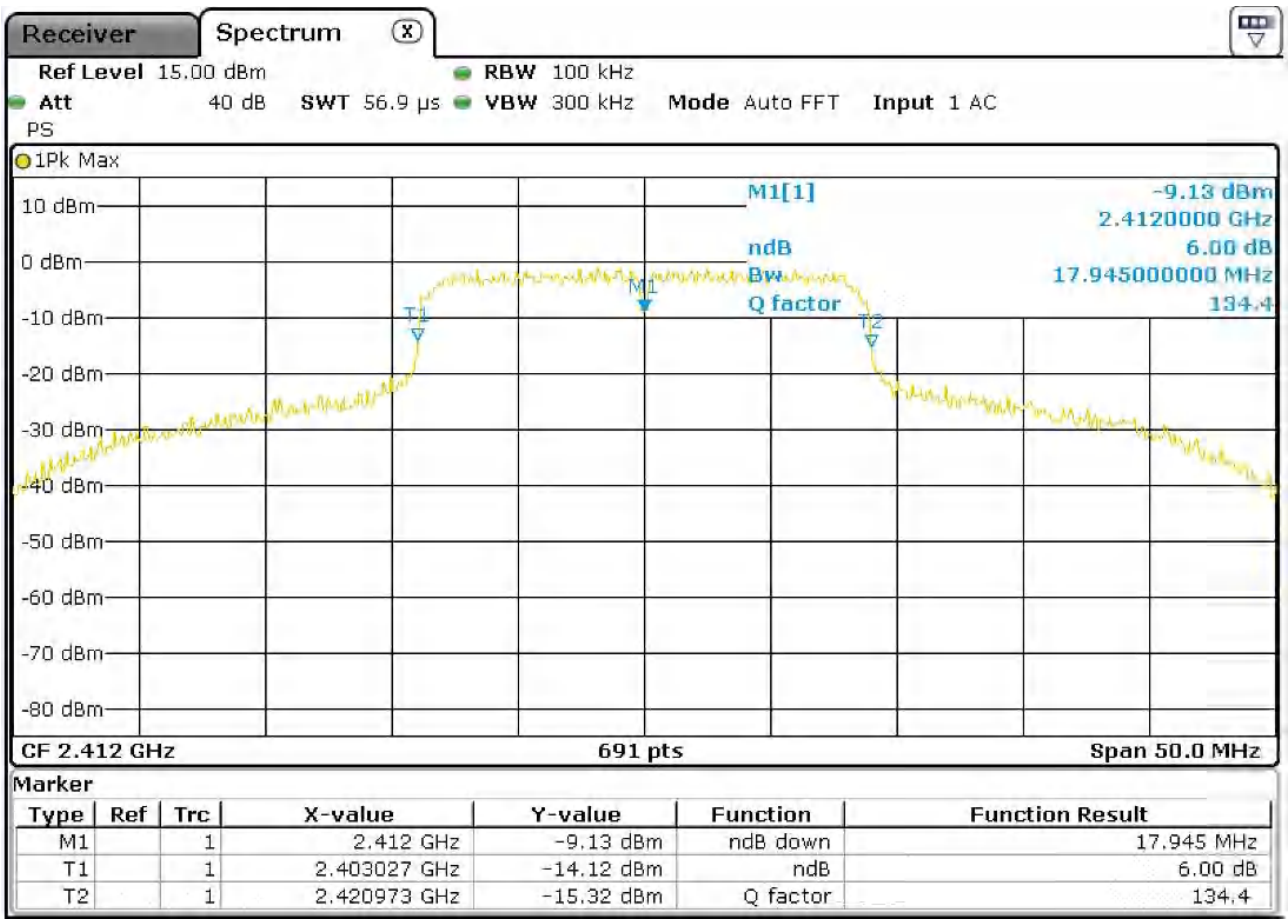
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11n, MCS0 (HT20)	2412	1	18.02	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 1 (Channel 1 – Frequency 2412 MHz)

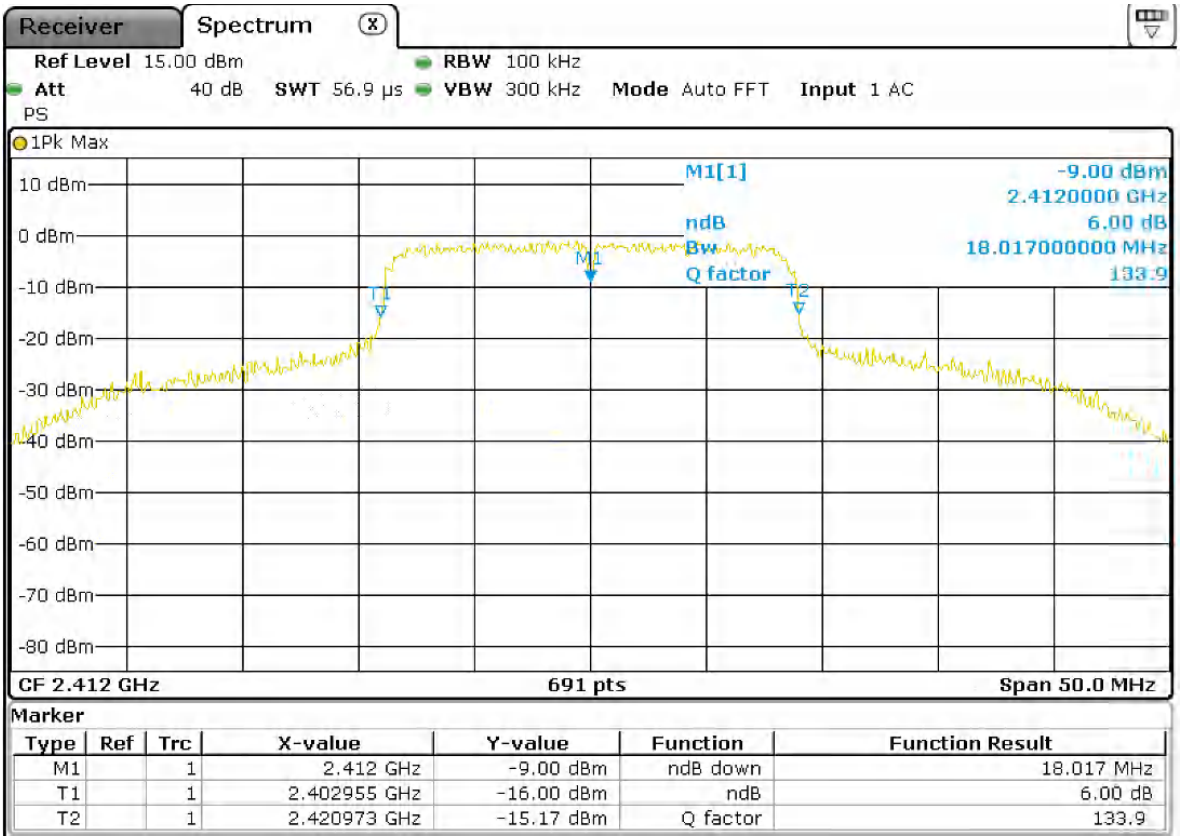
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11n, MCS1 (HT20)	2412	1	17.94	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 1 (Channel 1 – Frequency 2412 MHz)

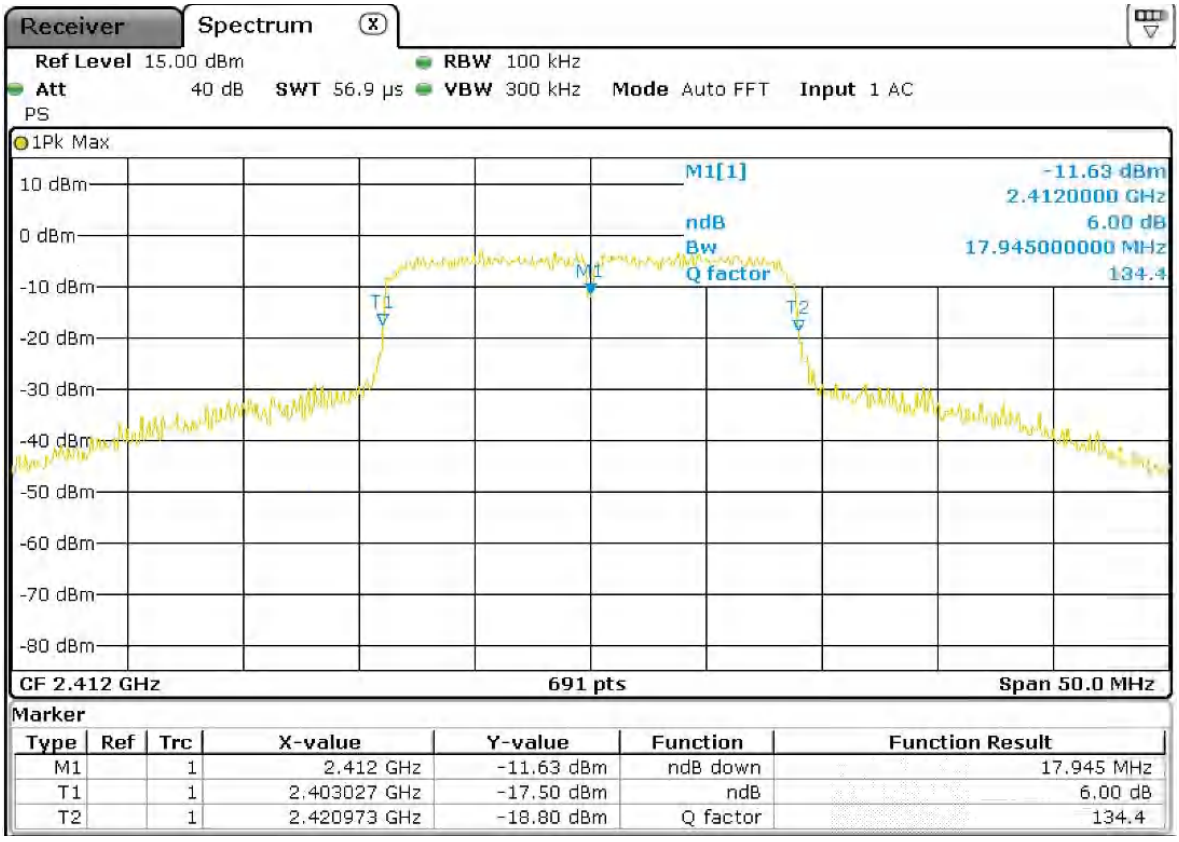
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11n, MCS2 (HT20)	2412	1	18.02	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 1 (Channel 1 – Frequency 2412 MHz)

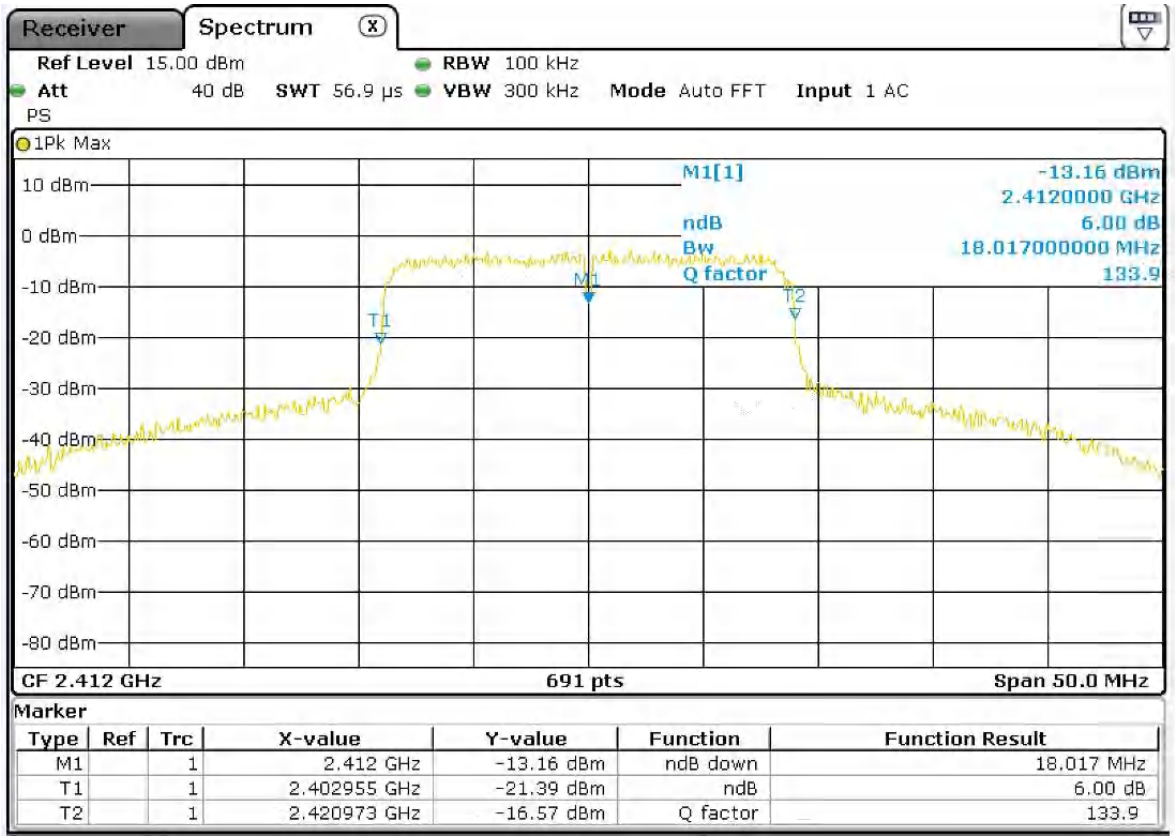
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11n, MCS3 (HT20)	2412	1	17.94	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 1 (Channel 1 – Frequency 2412 MHz)

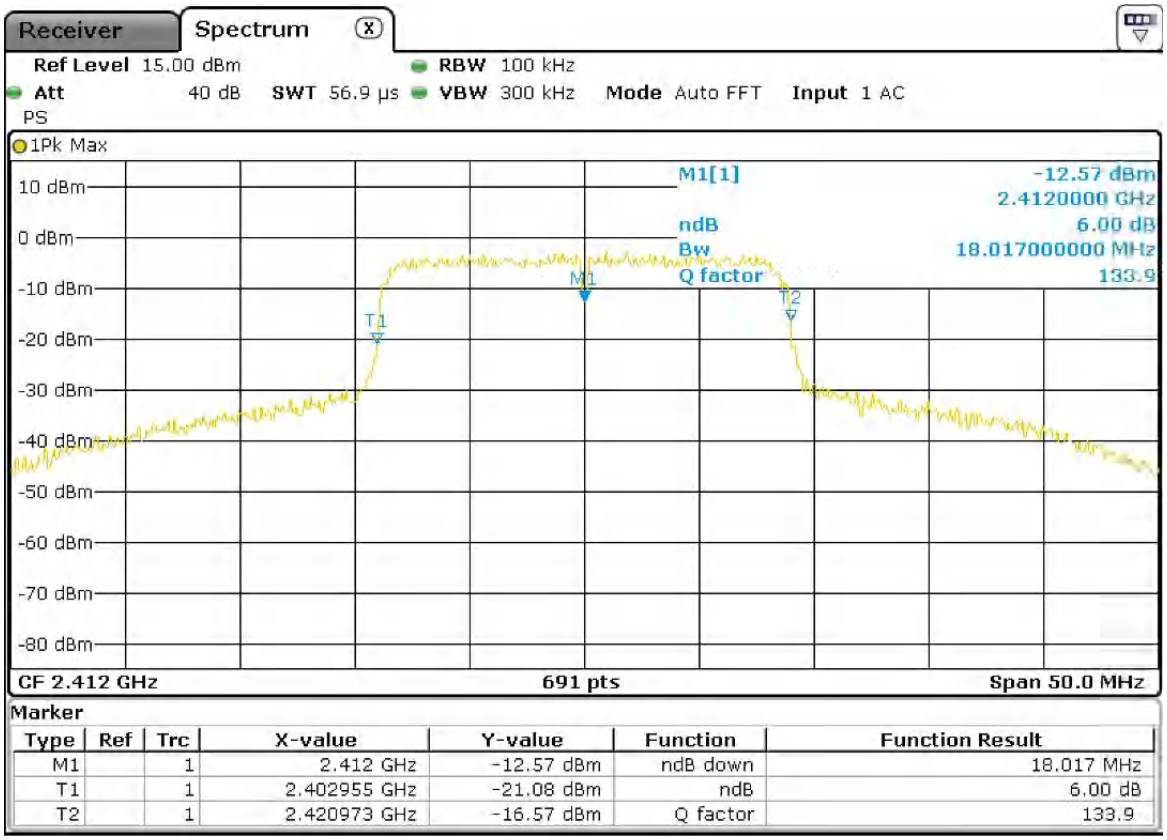
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11n, MCS4 (HT20)	2412	1	18.02	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 1 (Channel 1 – Frequency 2412 MHz)

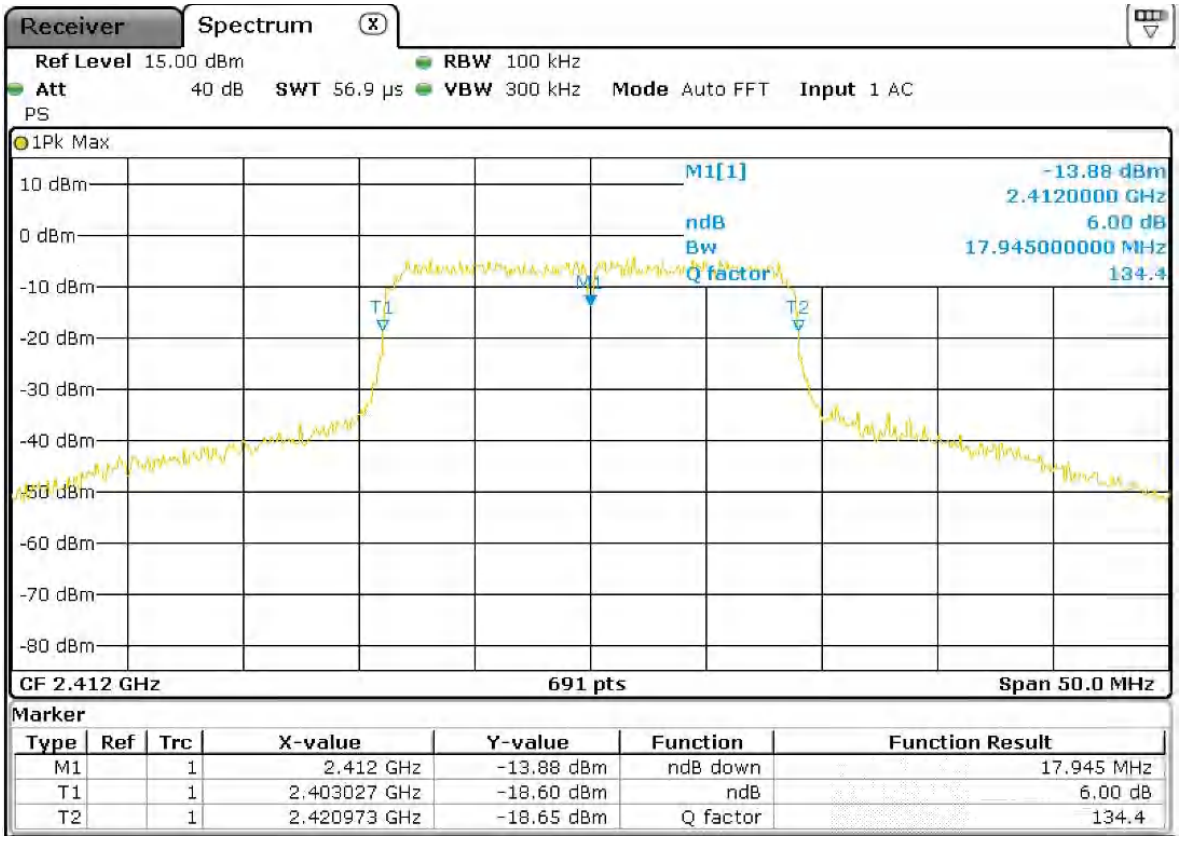
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11n, MCS5 (HT20)	2412	1	18.02	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 1 (Channel 1 – Frequency 2412 MHz)

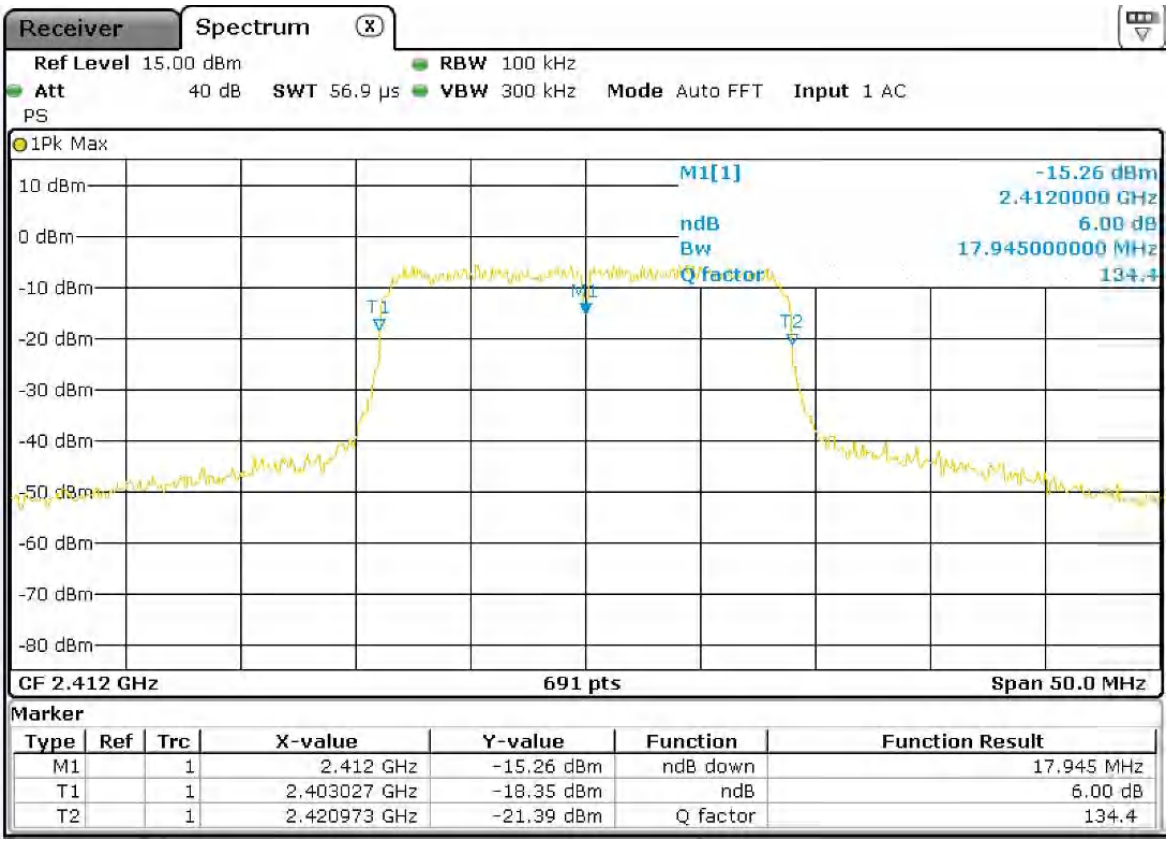
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11n, MCS6 (HT20)	2412	1	17.94	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 1 (Channel 1 – Frequency 2412 MHz)

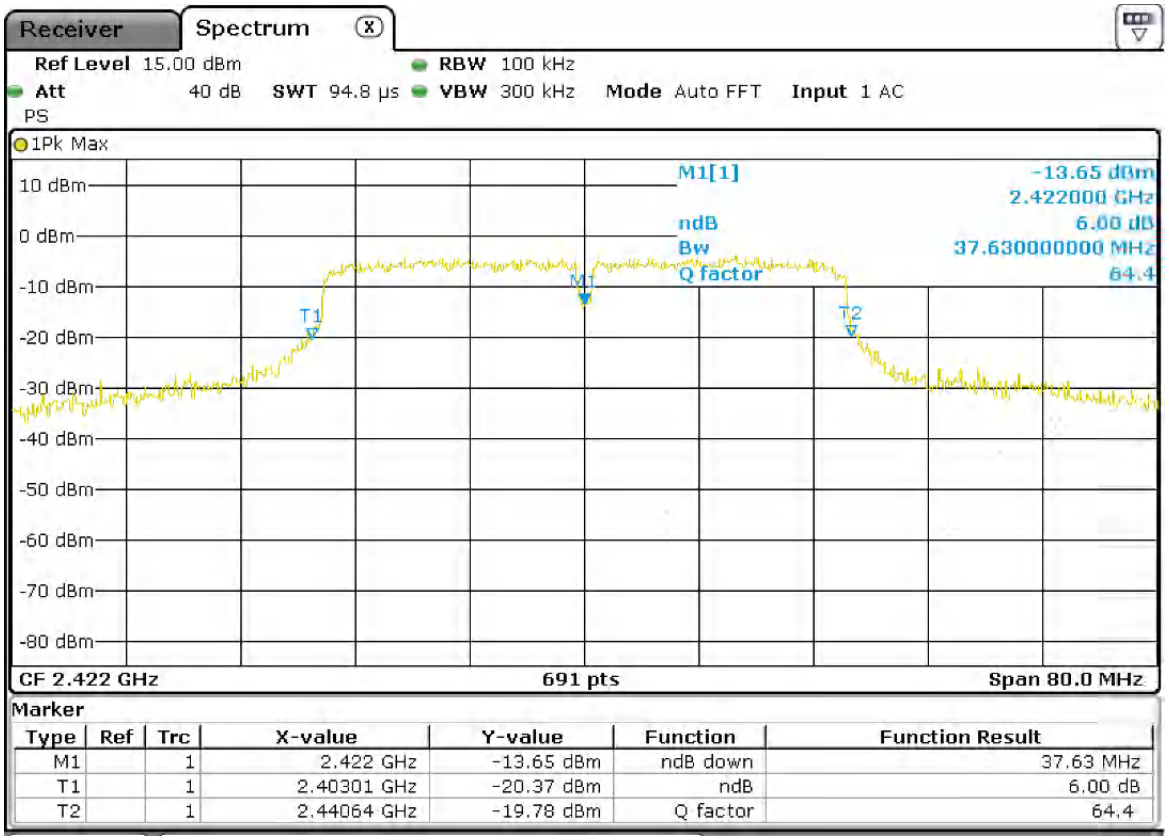
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11n, MCS7 (HT20)	2412	1	17.94	PASS



Graphical presentation of 6dB Bandwidth measurement

Operating mode: 2 (Channel 3 – Frequency 2422 MHz)

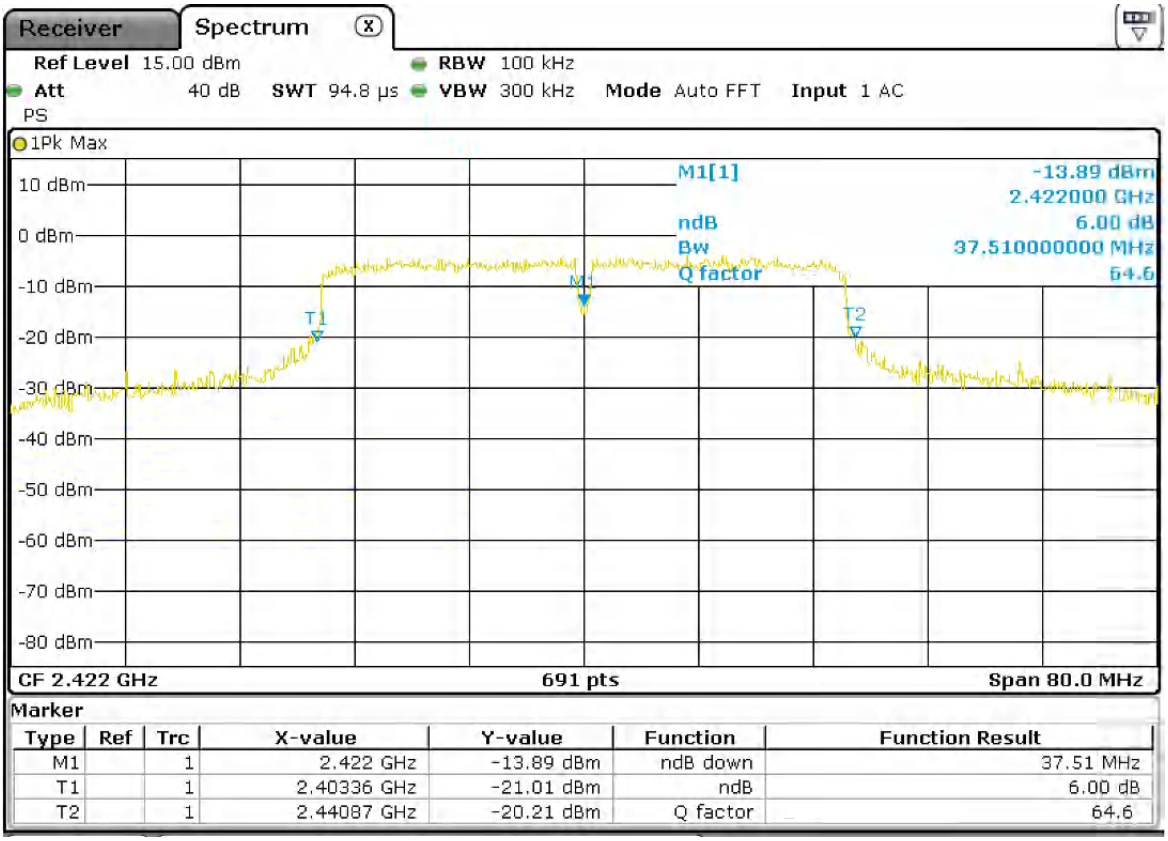
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11n, MCS0 (HT40)	2422	3	37.63	PASS



Graphical presentation of 6dB Bandwidth measurement

Operating mode: 2 (Channel 3 – Frequency 2422 MHz)

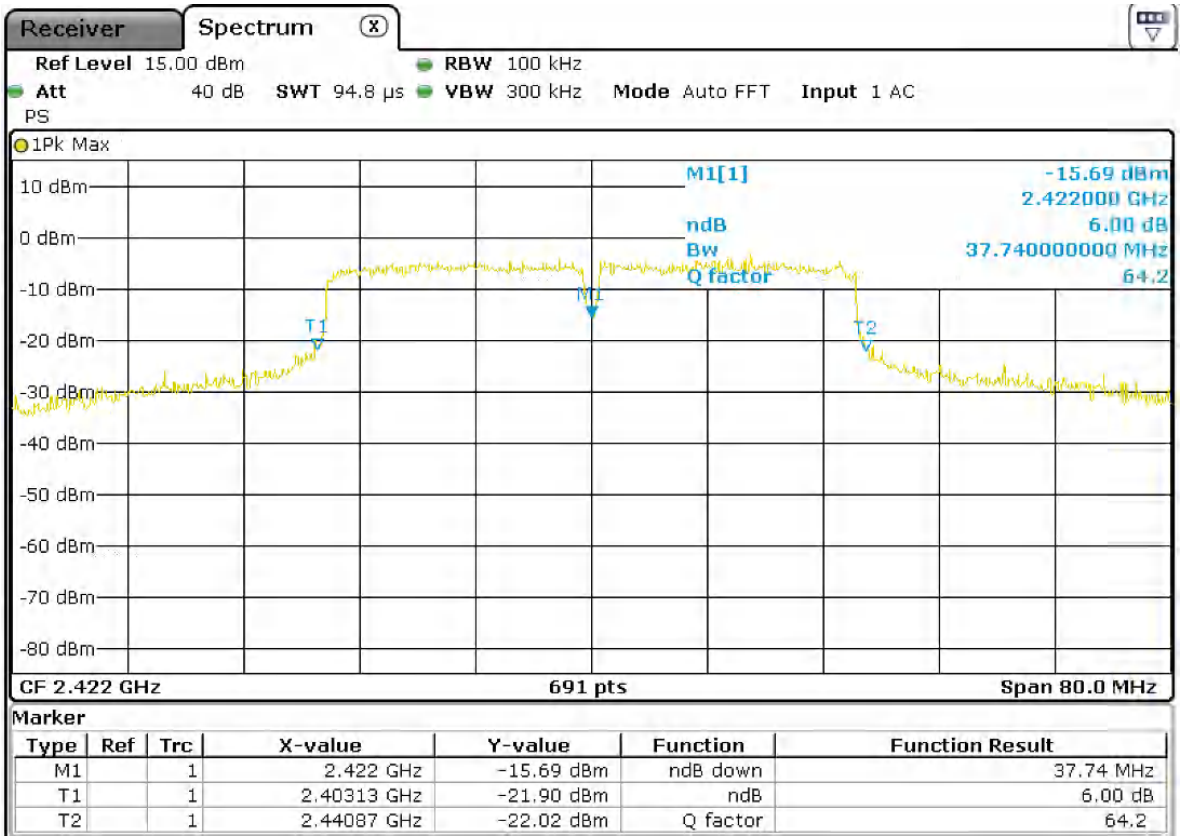
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11n, MCS1 (HT40)	2422	3	37.51	PASS



Graphical presentation of 6dB Bandwidth measurement

Operating mode: 2 (Channel 3 – Frequency 2422 MHz)

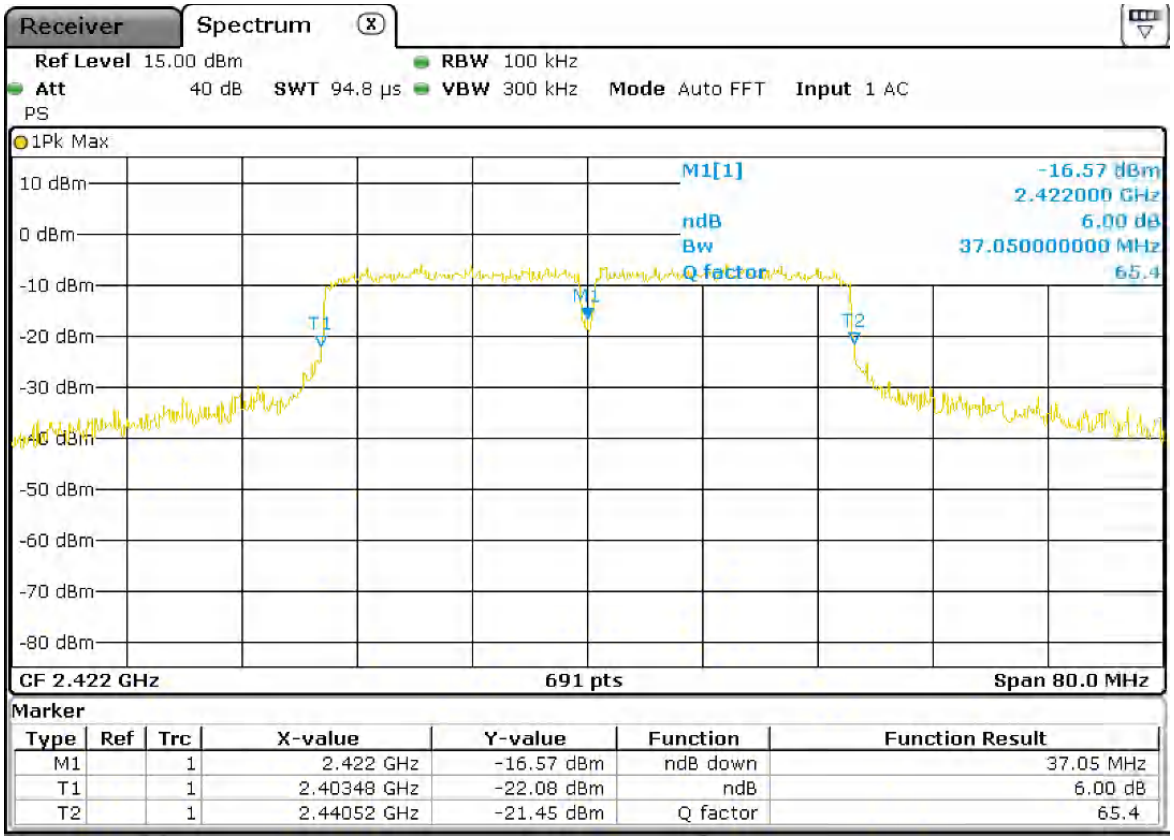
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11n, MCS2 (HT40)	2422	3	37.74	PASS



Graphical presentation of 6dB Bandwidth measurement

Operating mode: 2 (Channel 3 – Frequency 2422 MHz)

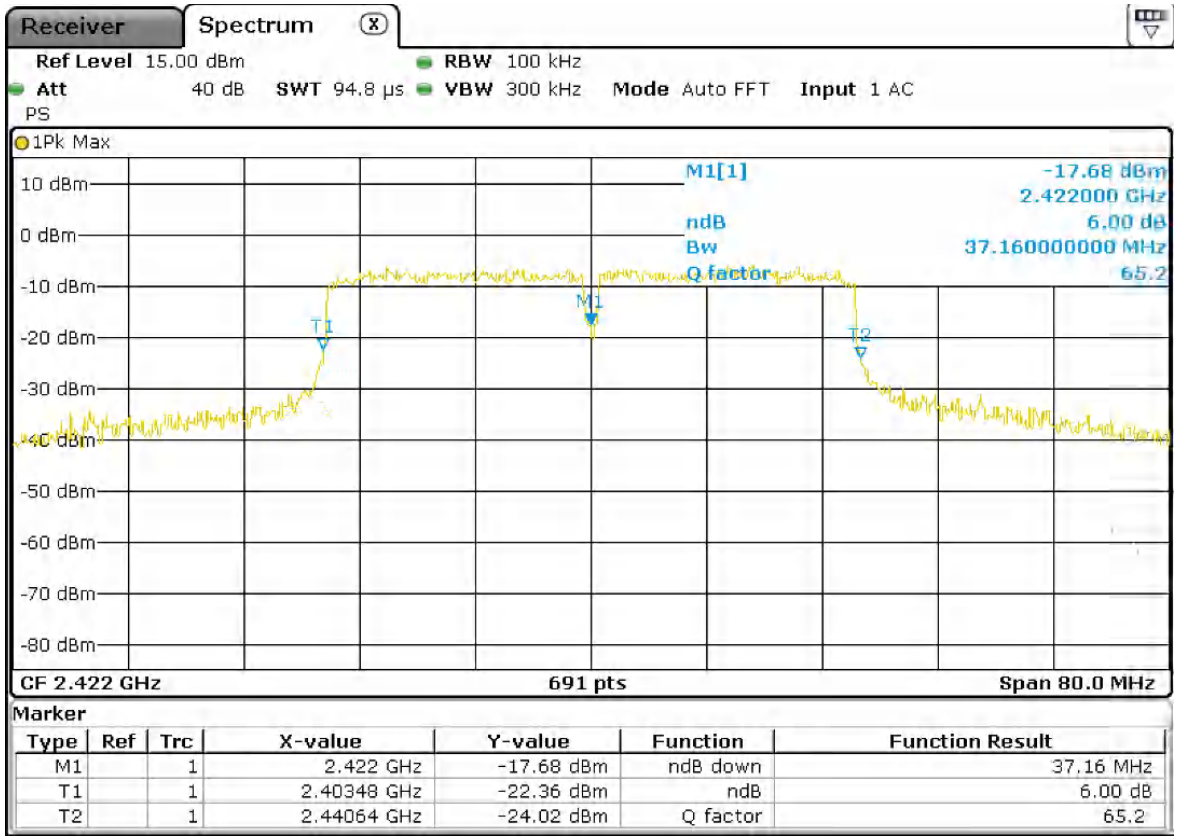
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11n, MCS3 (HT40)	2422	3	37.05	PASS



Graphical presentation of 6dB Bandwidth measurement

Operating mode: 2 (Channel 3 – Frequency 2422 MHz)

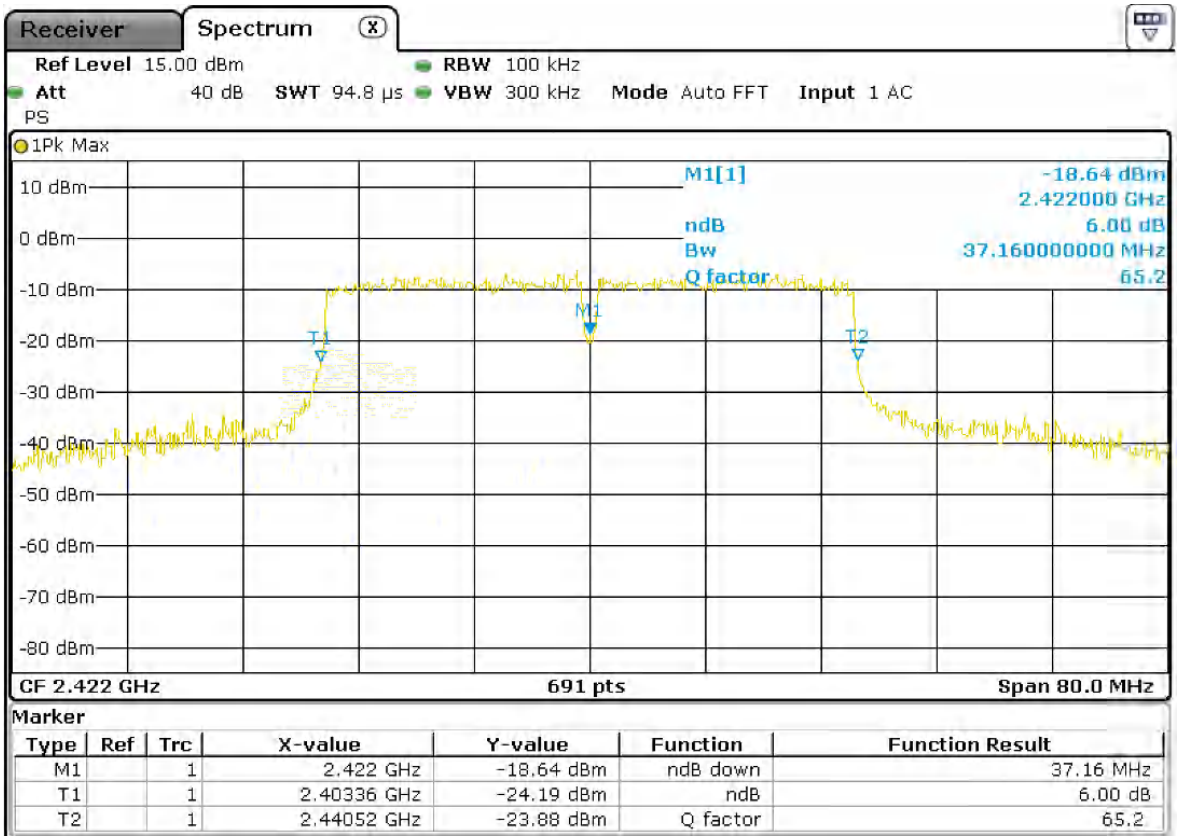
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11n, MCS4 (HT40)	2422	3	37.16	PASS



Graphical presentation of 6dB Bandwidth measurement

Operating mode: 2 (Channel 3 – Frequency 2422 MHz)

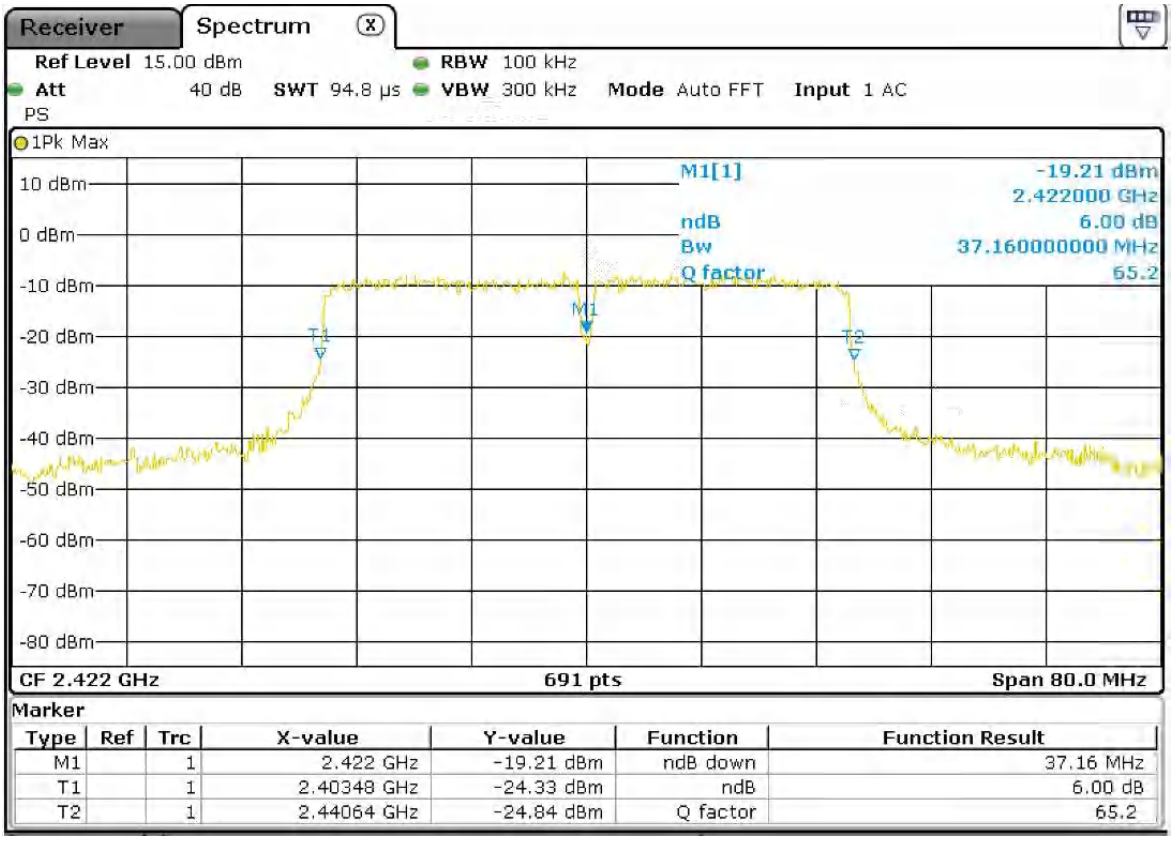
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11n, MCS5 (HT40)	2422	3	37.16	PASS



Graphical presentation of 6dB Bandwidth measurement

Operating mode: 2 (Channel 3 – Frequency 2422 MHz)

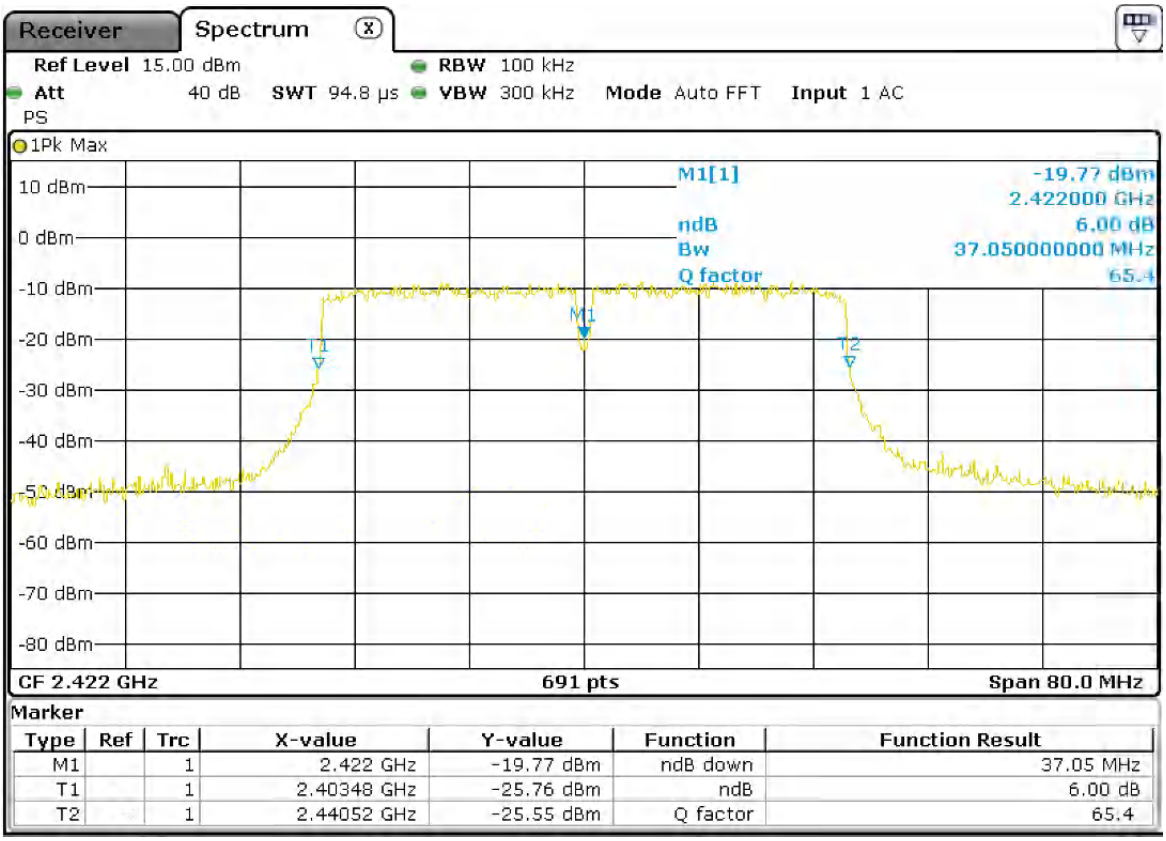
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11n, MCS6 (HT40)	2422	3	37.16	PASS



Graphical presentation of 6dB Bandwidth measurement

Operating mode: 2 (Channel 3 – Frequency 2422 MHz)

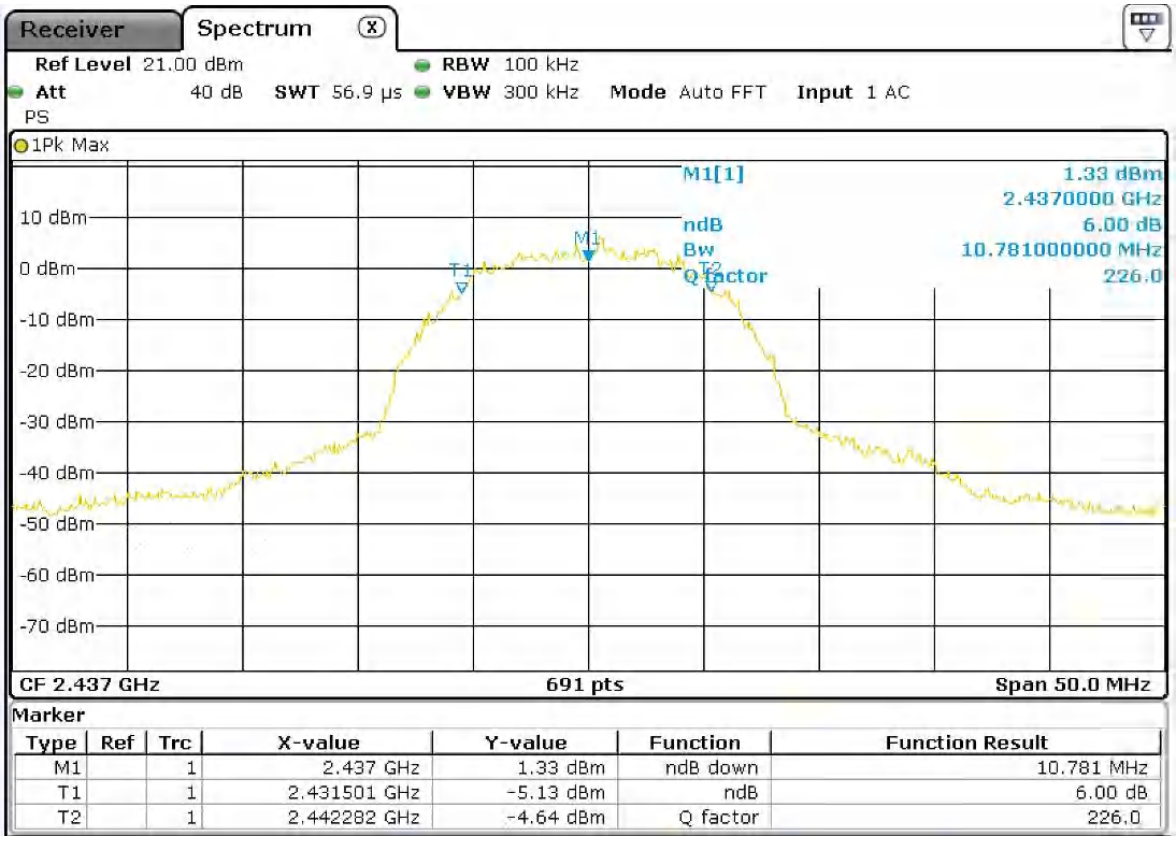
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11n, MCS7 (HT40)	2422	3	37.05	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 3 (Channel 6 – Frequency 2437 MHz)

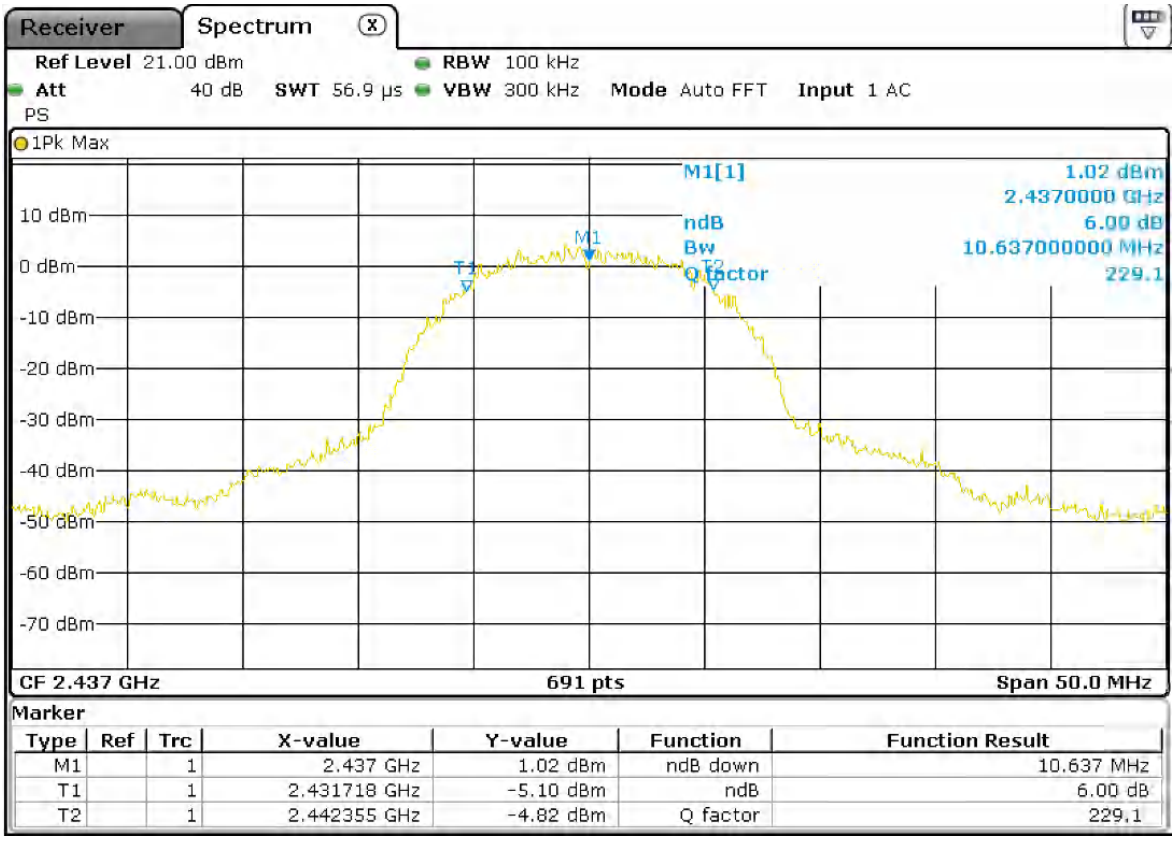
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11b, 1M	2437	6	10.78	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 3 (Channel 6 – Frequency 2437 MHz)

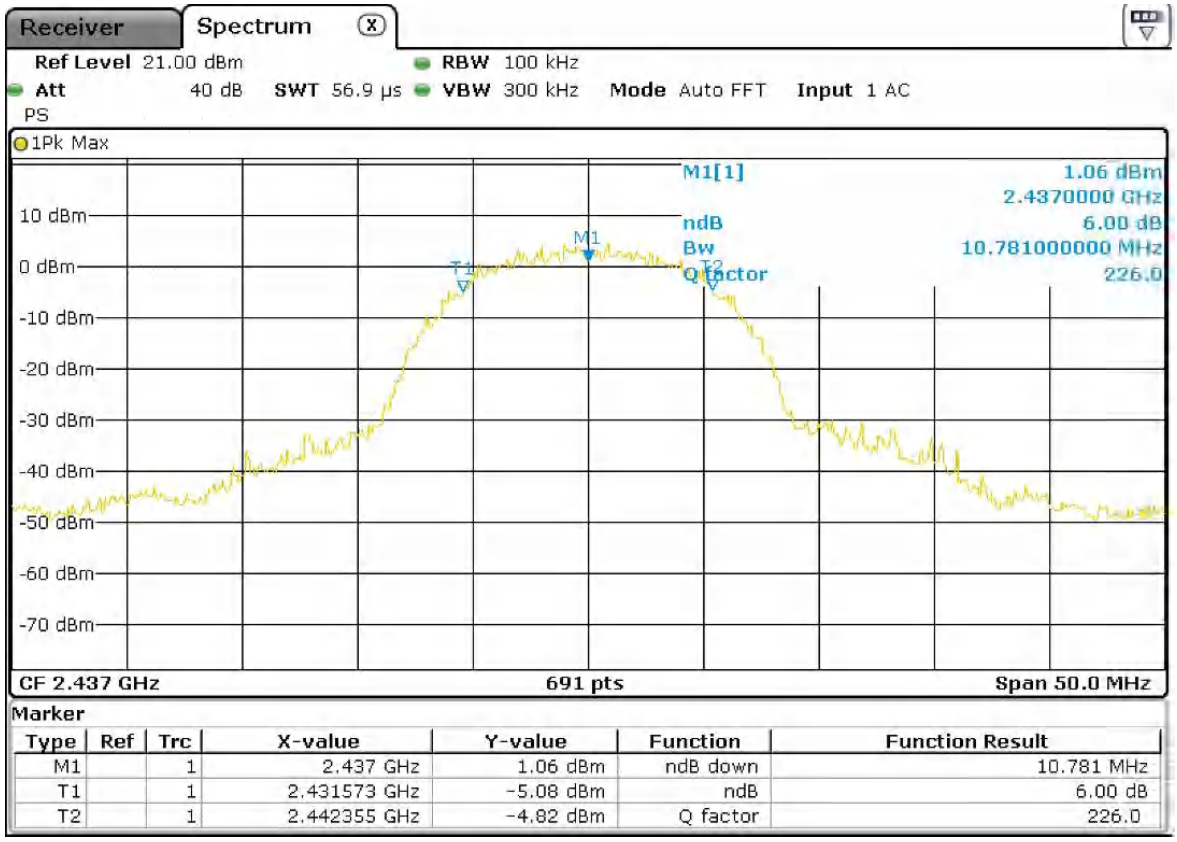
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11b, 2M	2437	6	10.63	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 3 (Channel 6 – Frequency 2437 MHz)

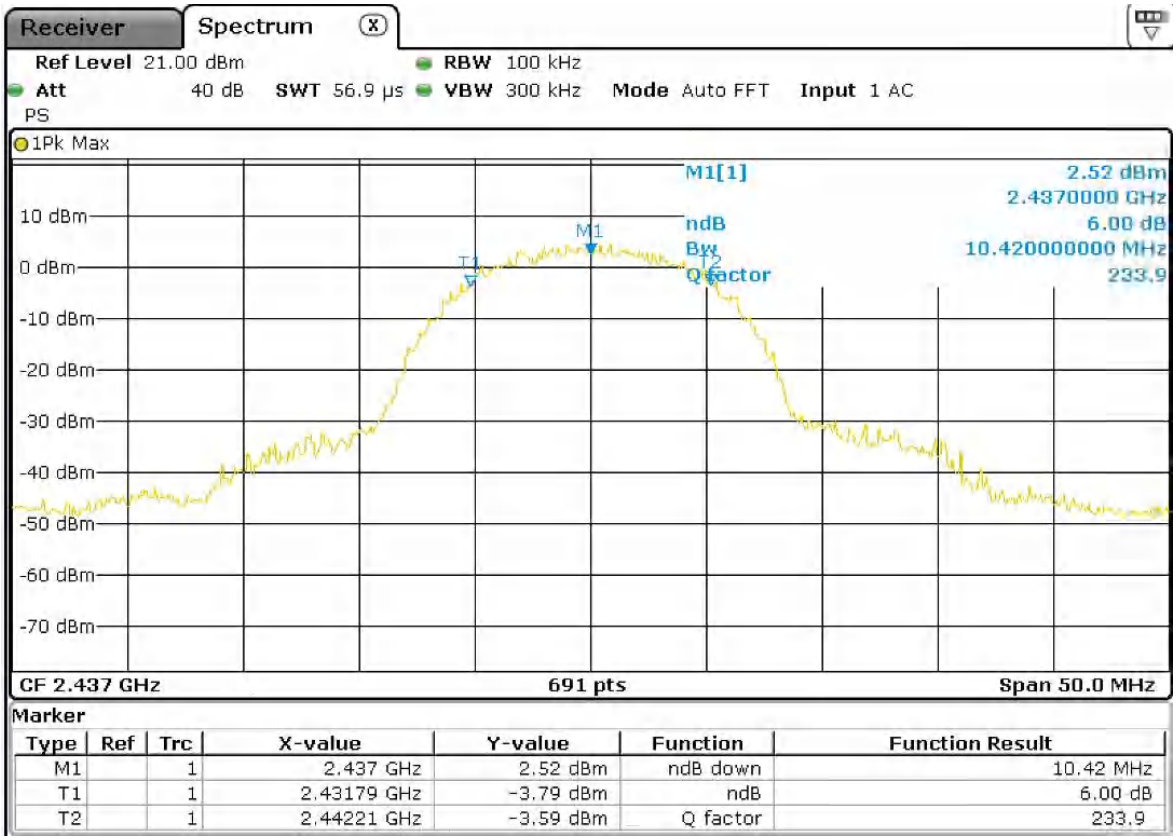
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11b, 5.5M	2437	6	10.78	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 3 (Channel 6 – Frequency 2437 MHz)

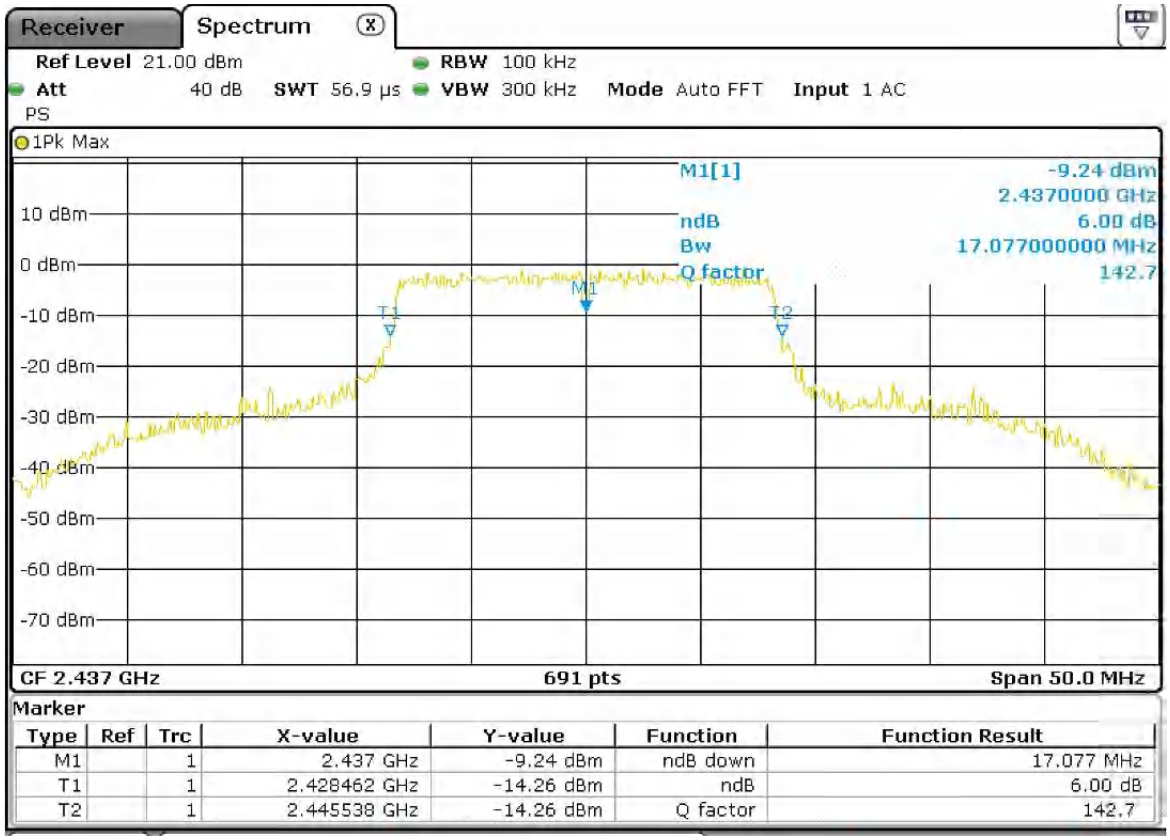
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11b, 11M	2437	6	10.42	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 3 (Channel 6 – Frequency 2437 MHz)

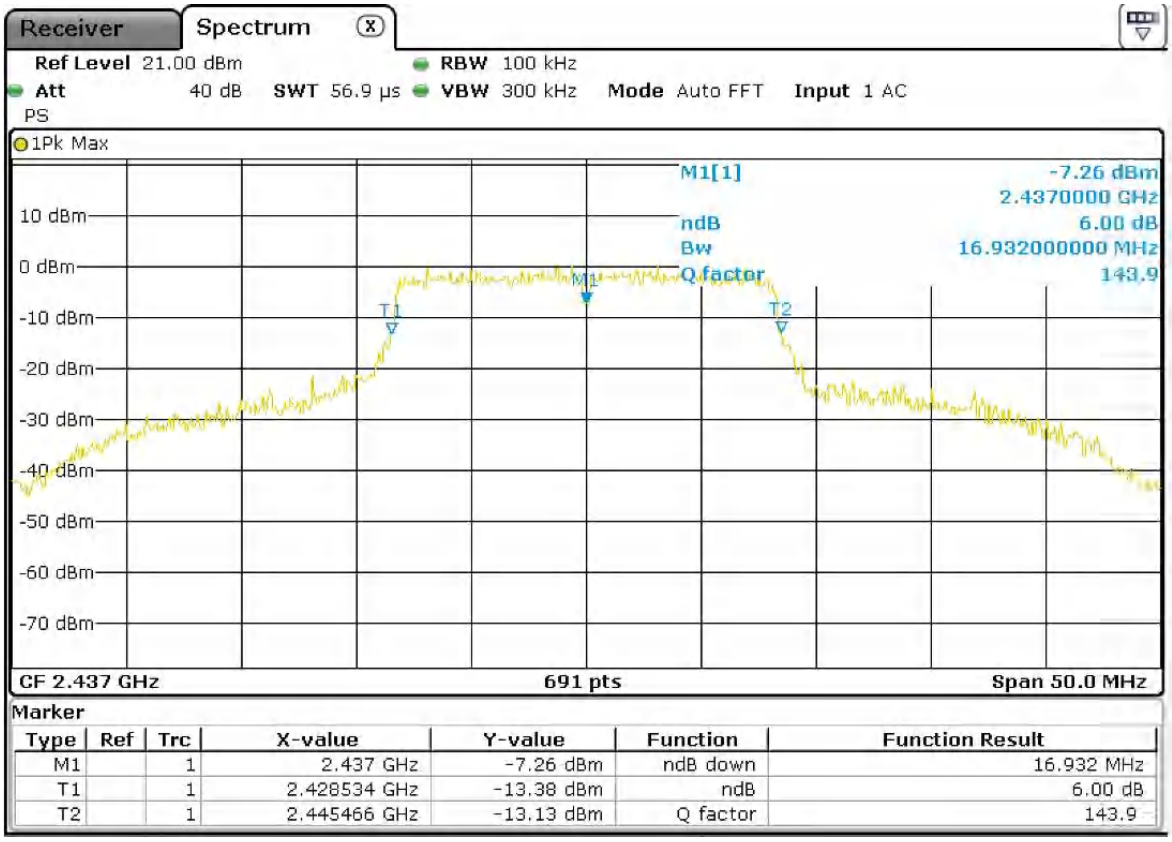
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11g, 6M	2437	6	17.07	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 3 (Channel 6 – Frequency 2437 MHz)

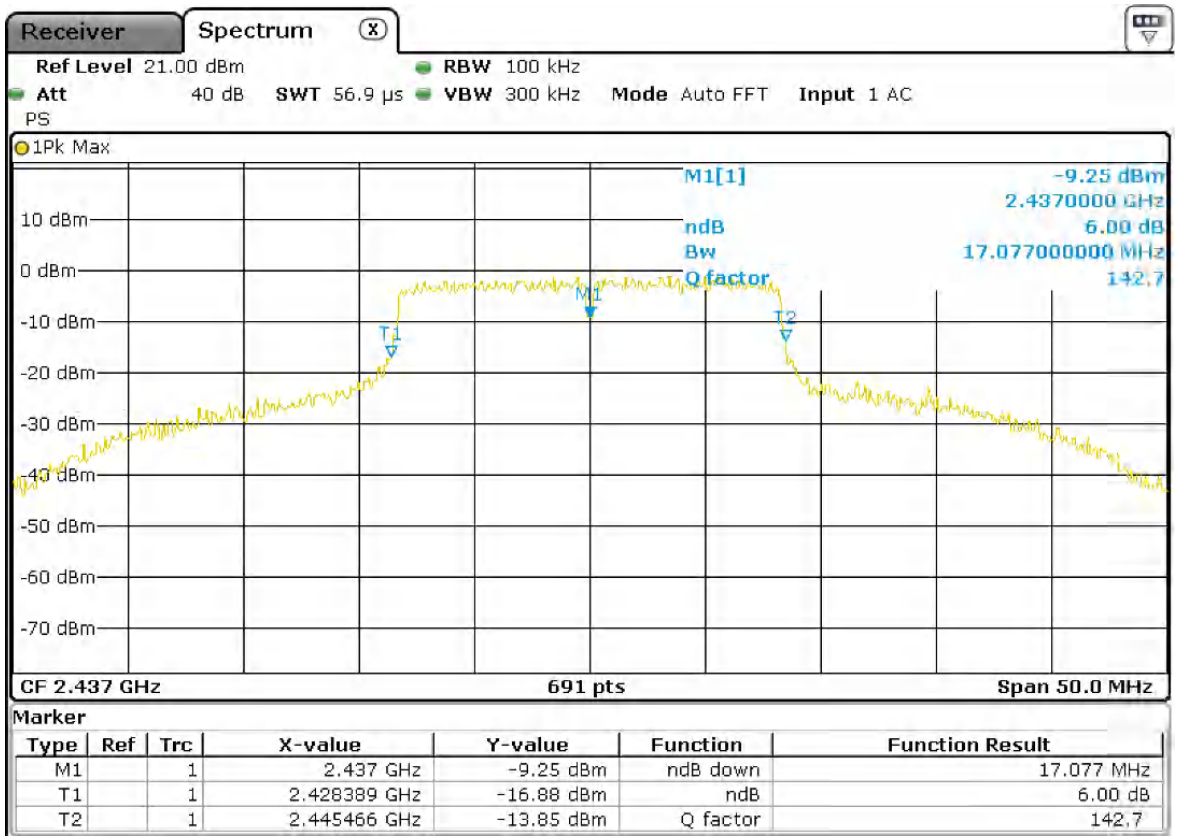
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11g, 9M	2437	6	16.93	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 3 (Channel 6 – Frequency 2437 MHz)

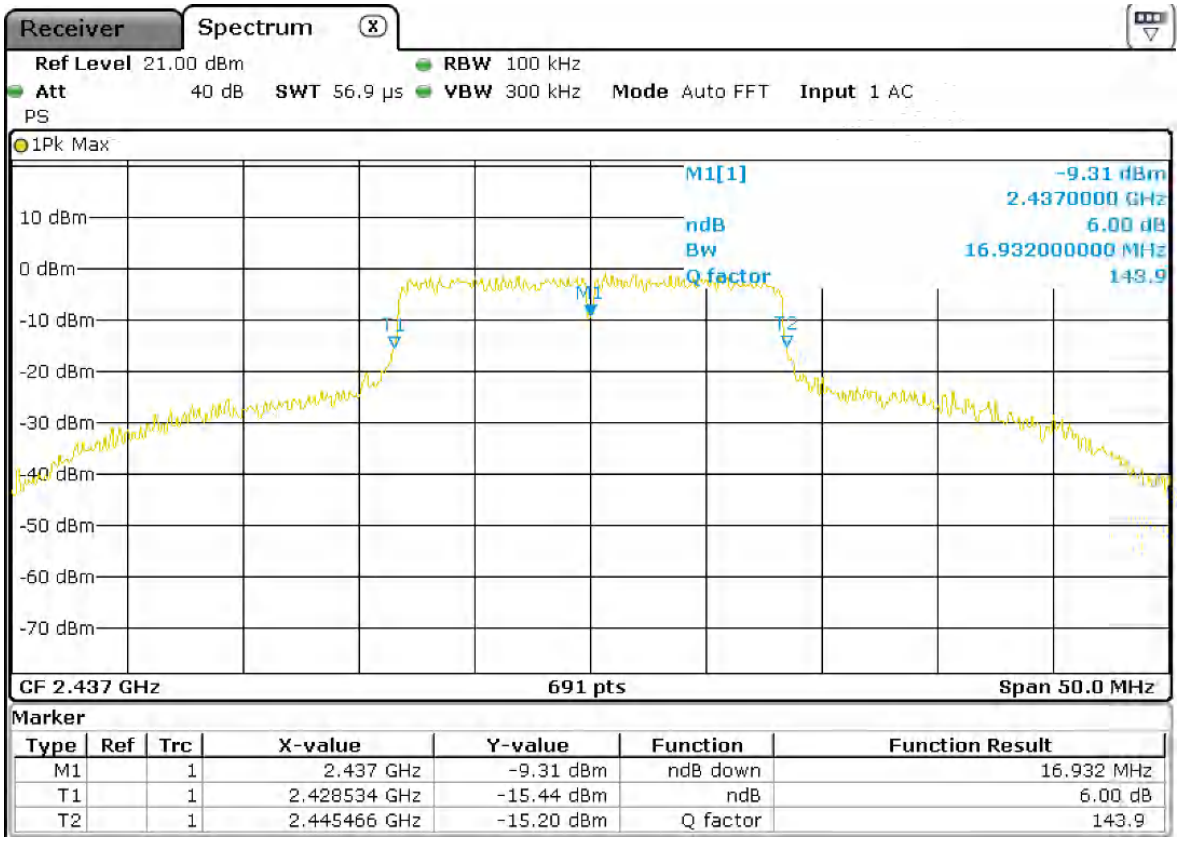
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11g, 12M	2437	6	17.08	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 3 (Channel 6 – Frequency 2437 MHz)

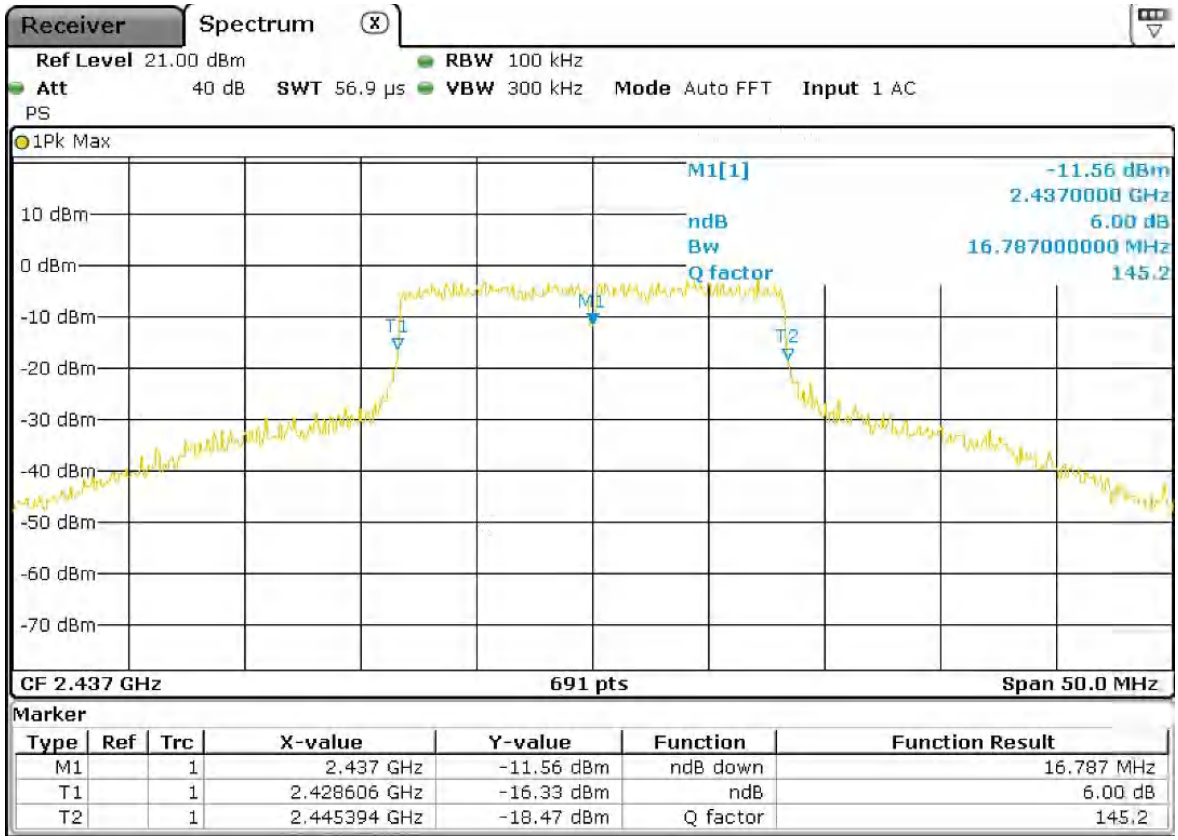
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11g, 18M	2437	6	16.93	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 3 (Channel 6 – Frequency 2437 MHz)

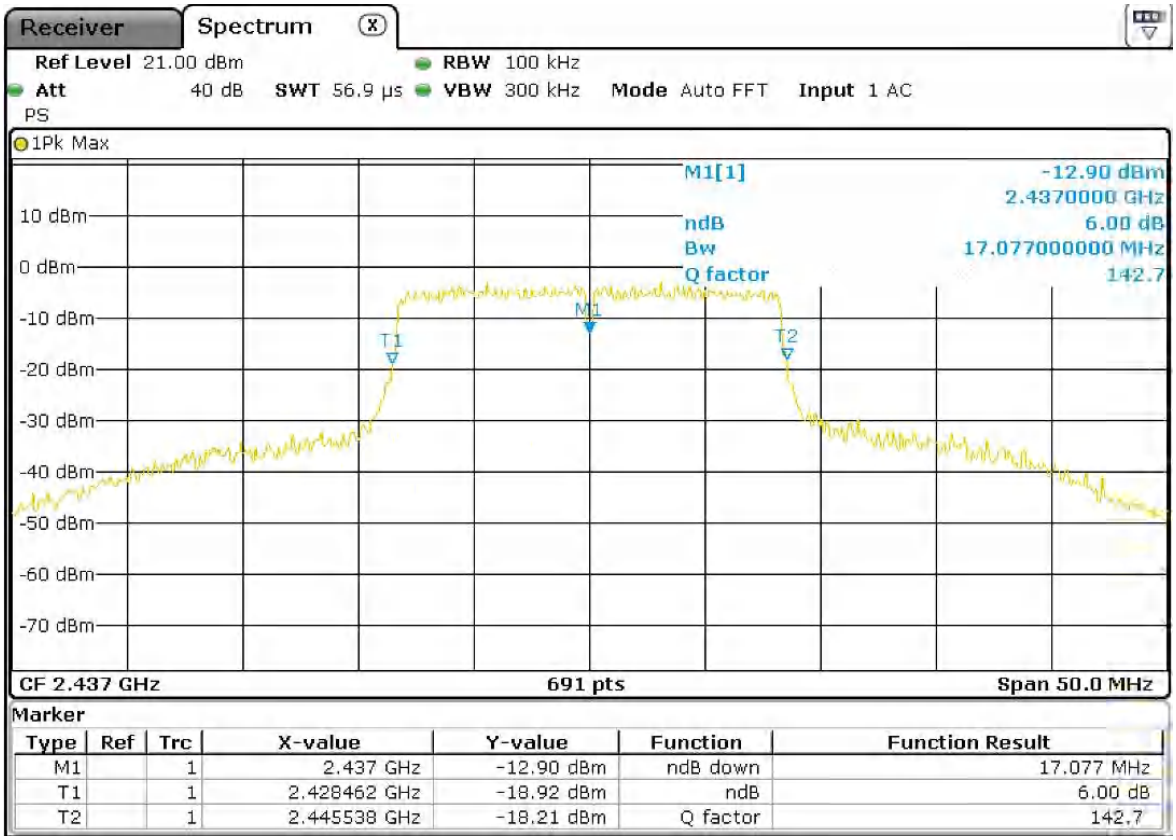
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11g, 24M	2437	6	16.78	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 3 (Channel 6 – Frequency 2437 MHz)

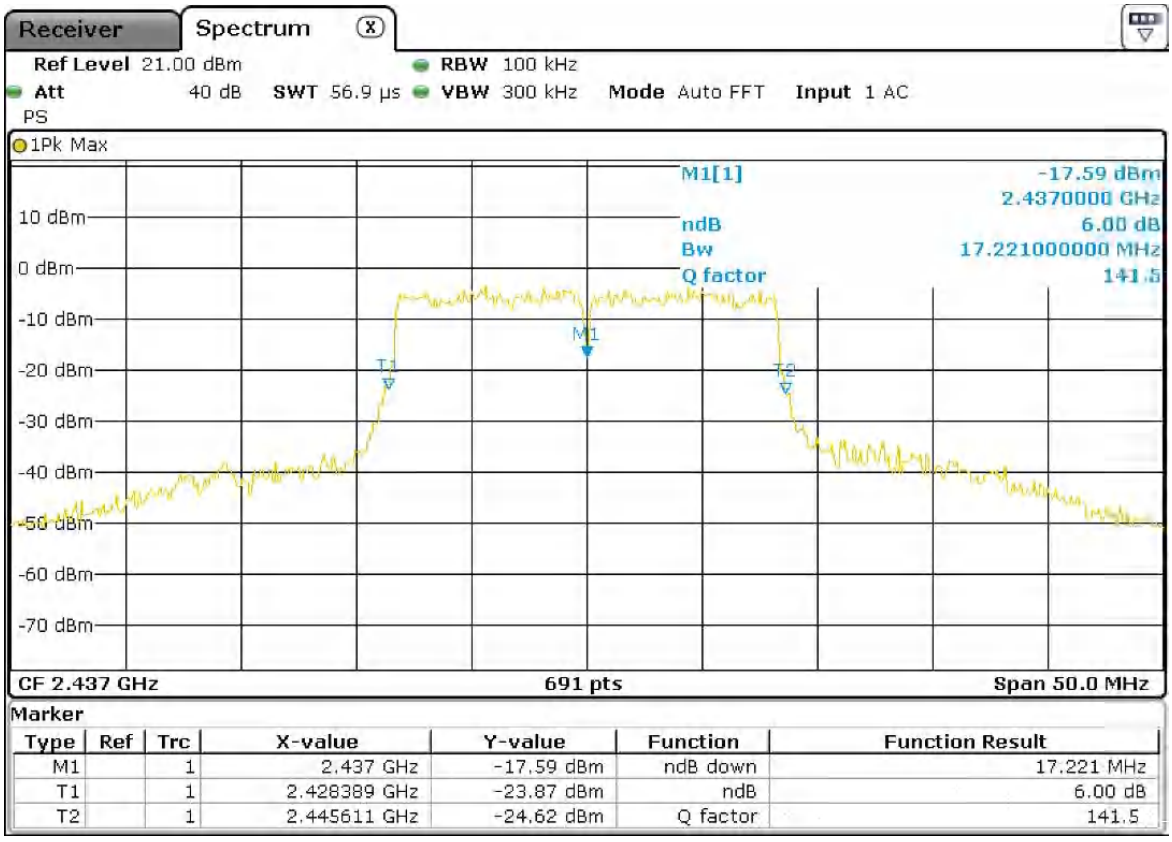
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11g, 36M	2437	6	17.07	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 3 (Channel 6 – Frequency 2437 MHz)

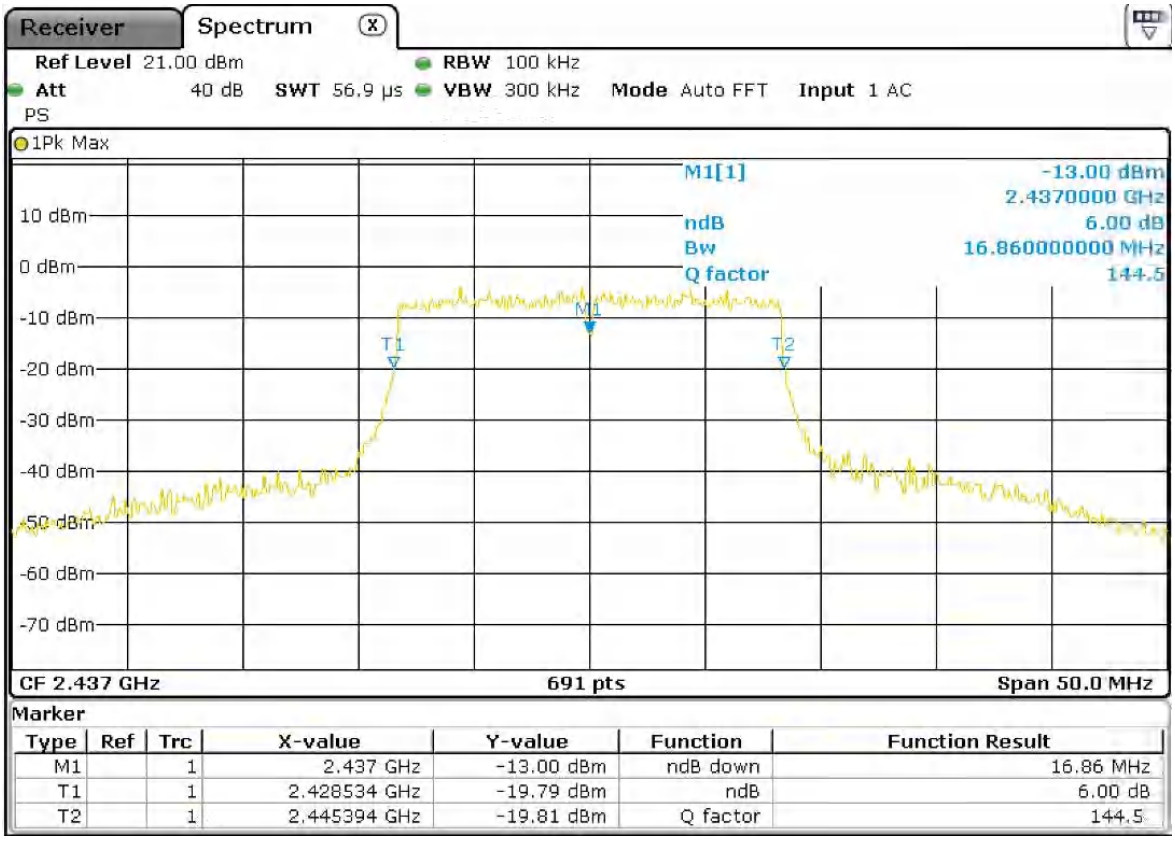
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11g, 48M	2437	6	17.22	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 3 (Channel 6 – Frequency 2437 MHz)

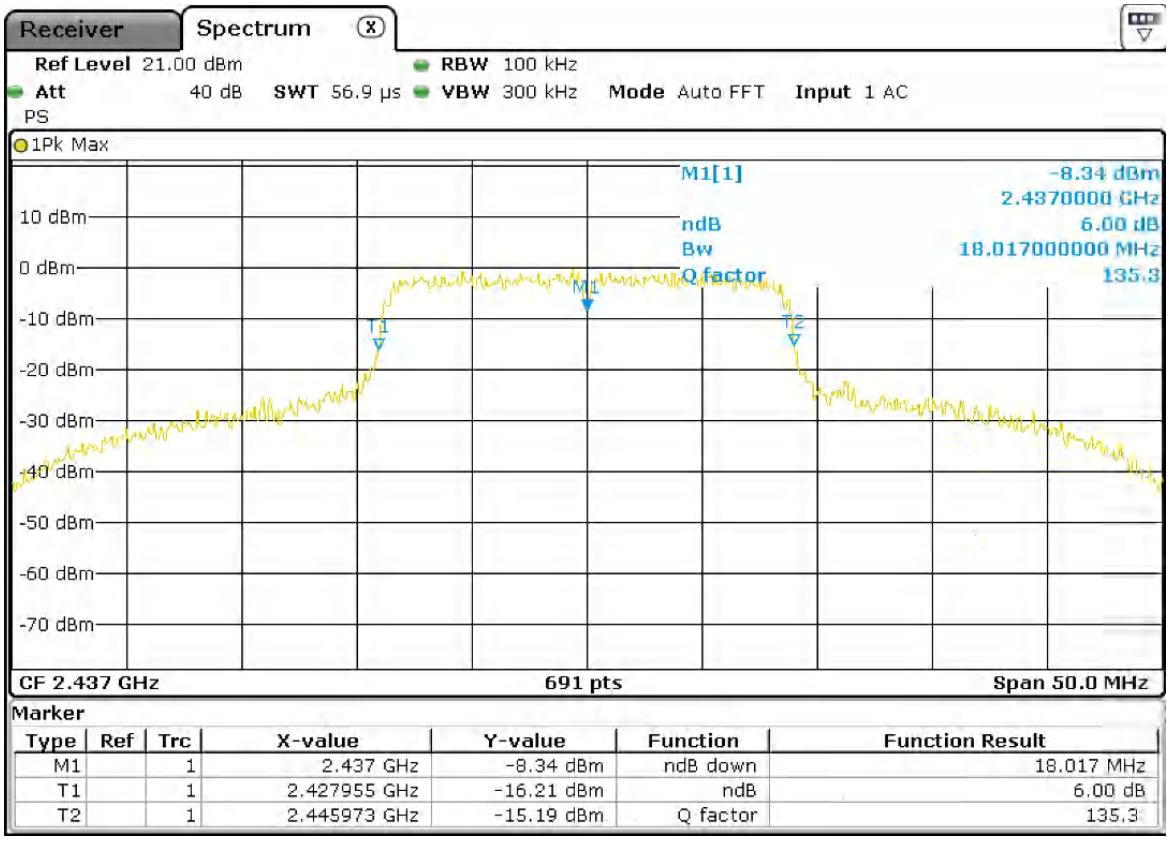
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11g, 54M	2437	6	16.86	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 3 (Channel 6 – Frequency 2437 MHz)

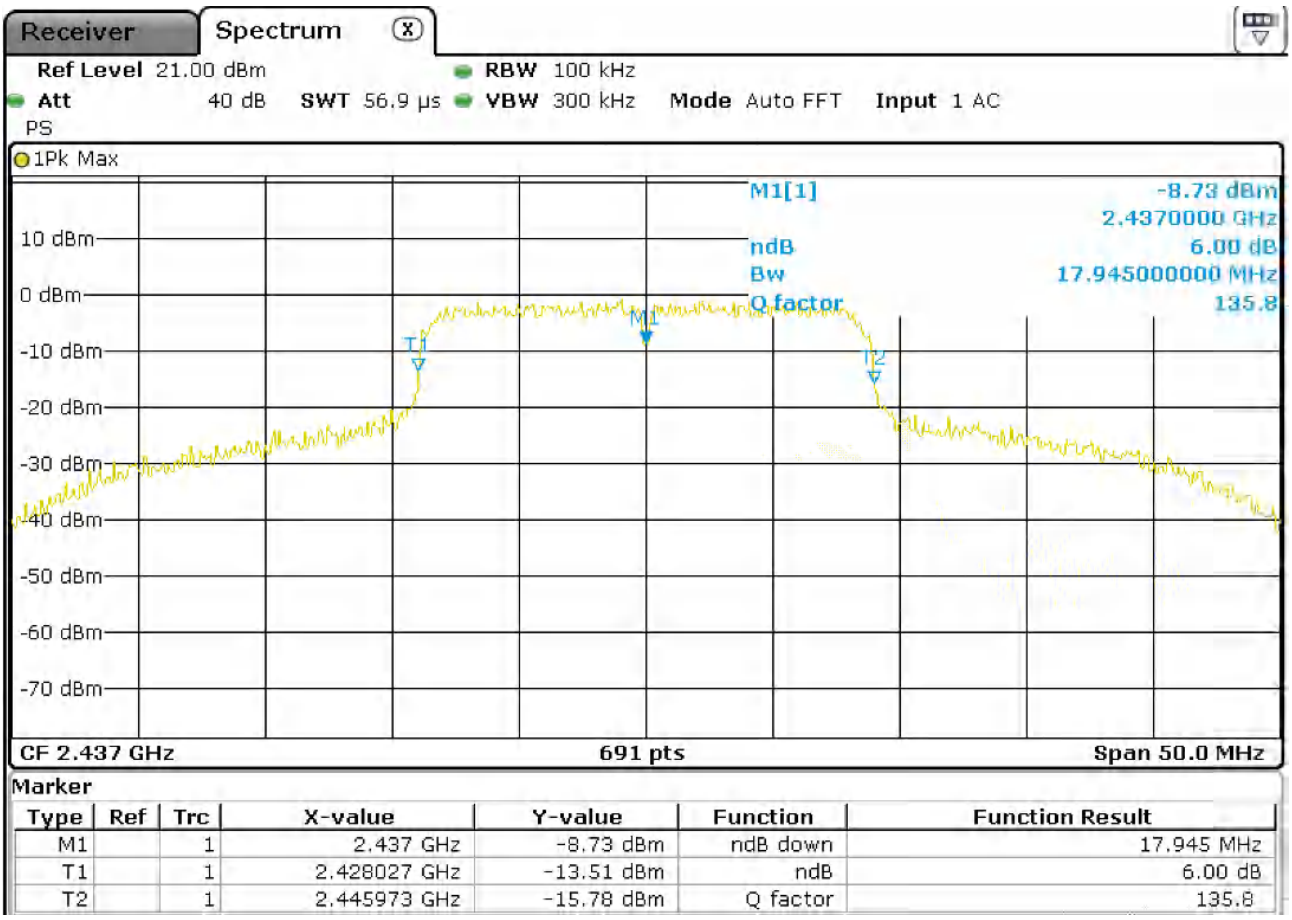
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11n, MCS0 (HT20)	2437	6	18.02	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 3 (Channel 6 – Frequency 2437 MHz)

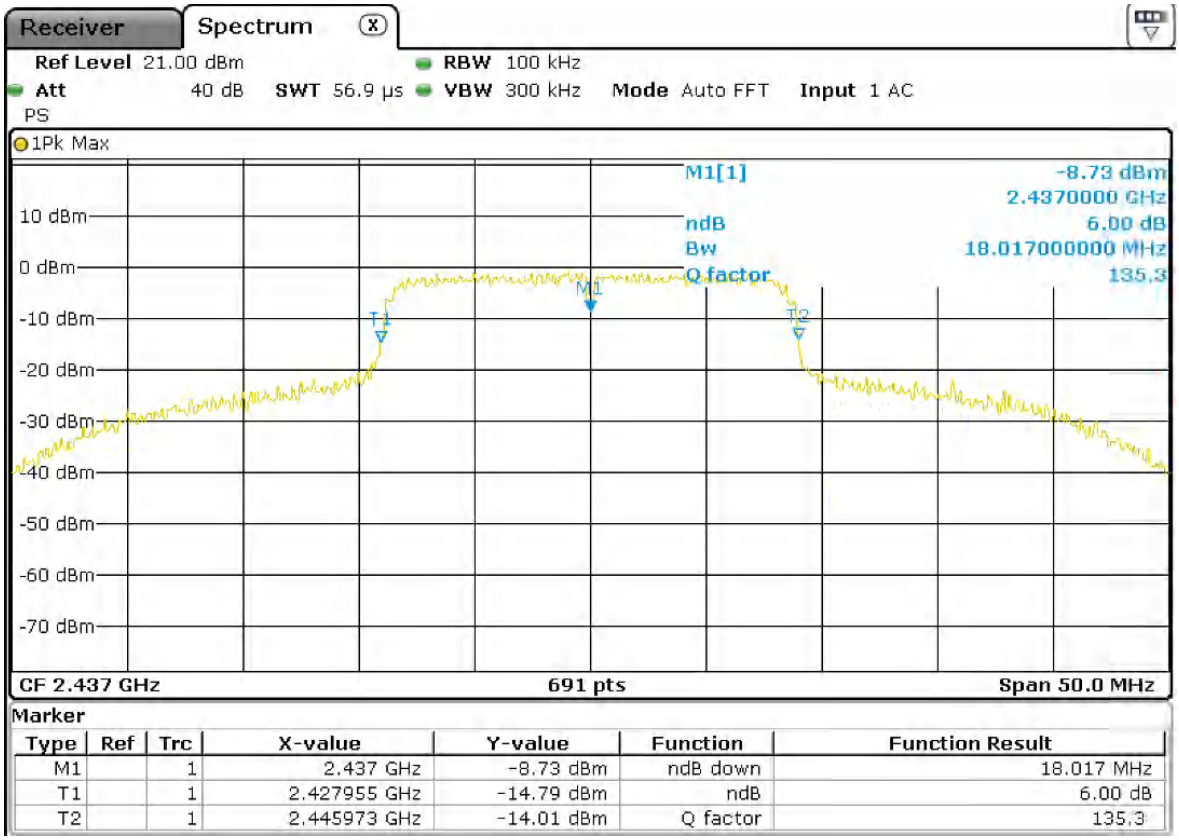
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11n, MCS1 (HT20)	2437	6	17.94	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 3 (Channel 6 – Frequency 2437 MHz)

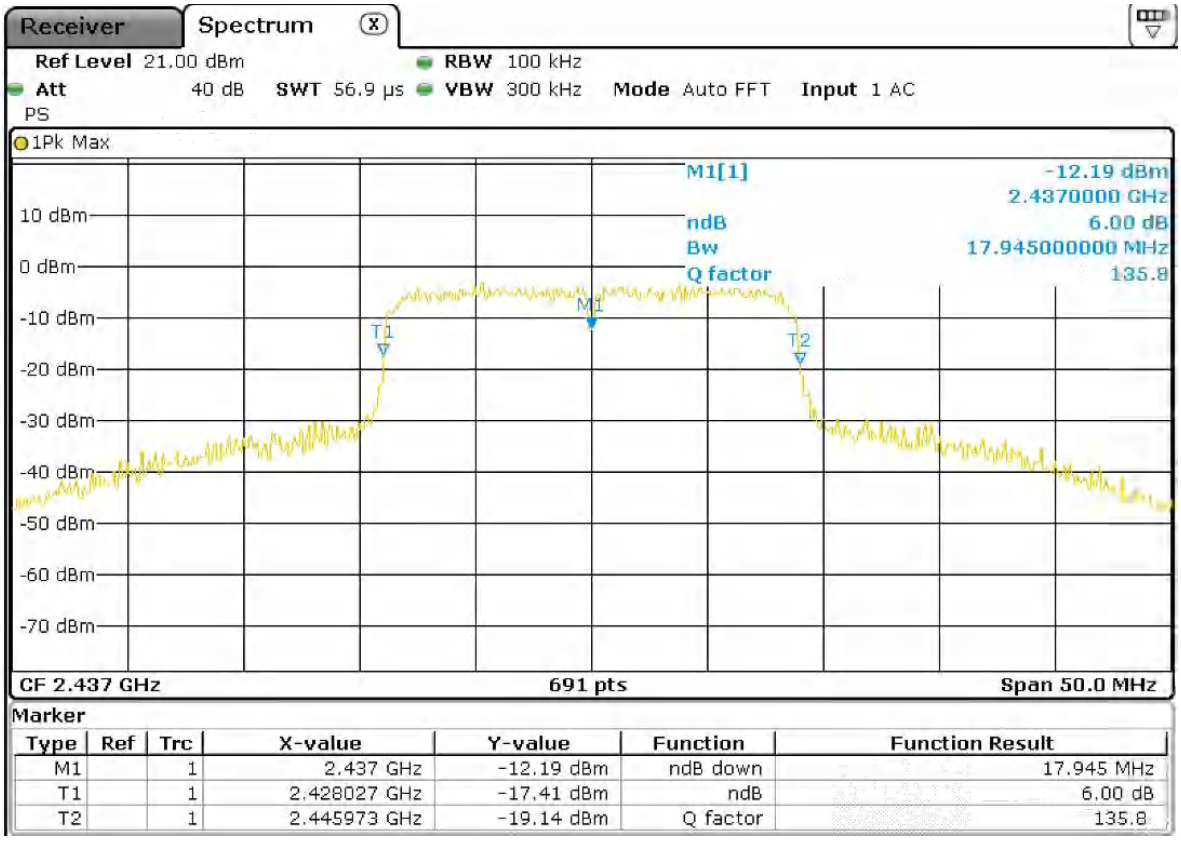
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11n, MCS2 (HT20)	2437	6	18.02	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 3 (Channel 6 – Frequency 2437 MHz)

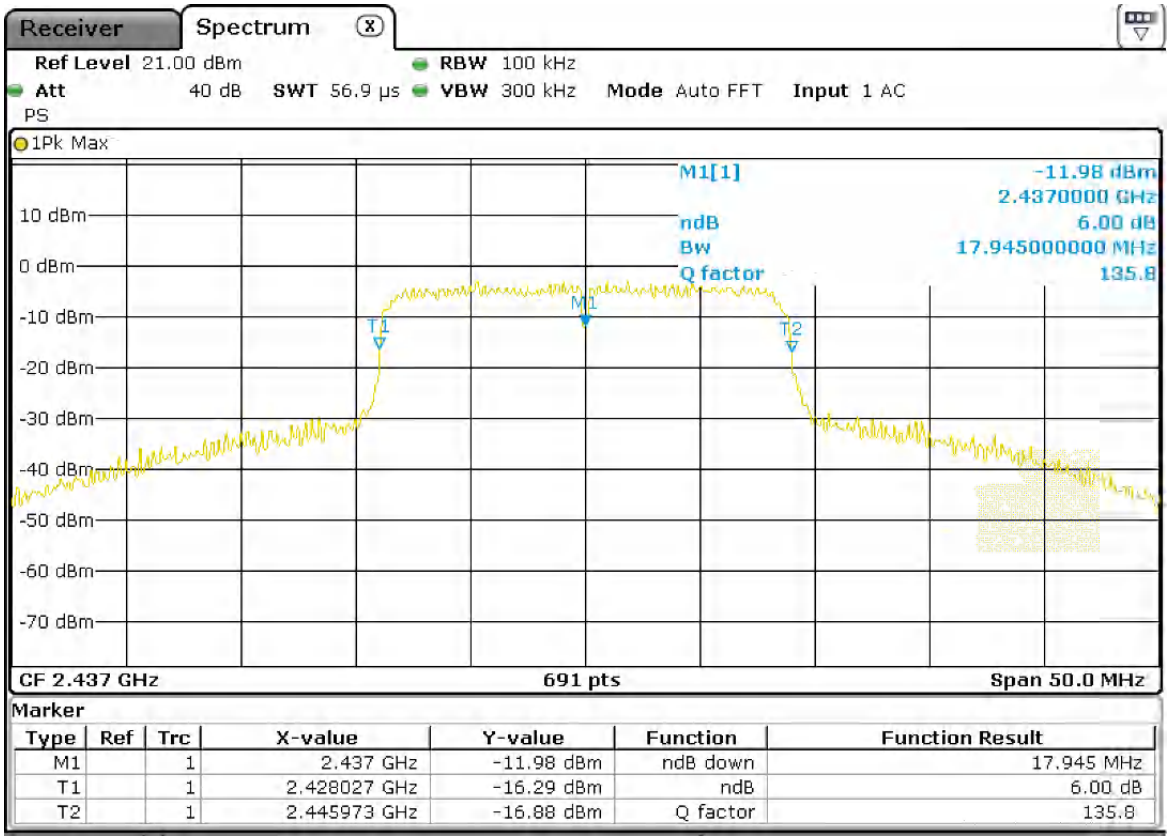
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11n, MCS3 (HT20)	2437	6	17.94	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 3 (Channel 6 – Frequency 2437 MHz)

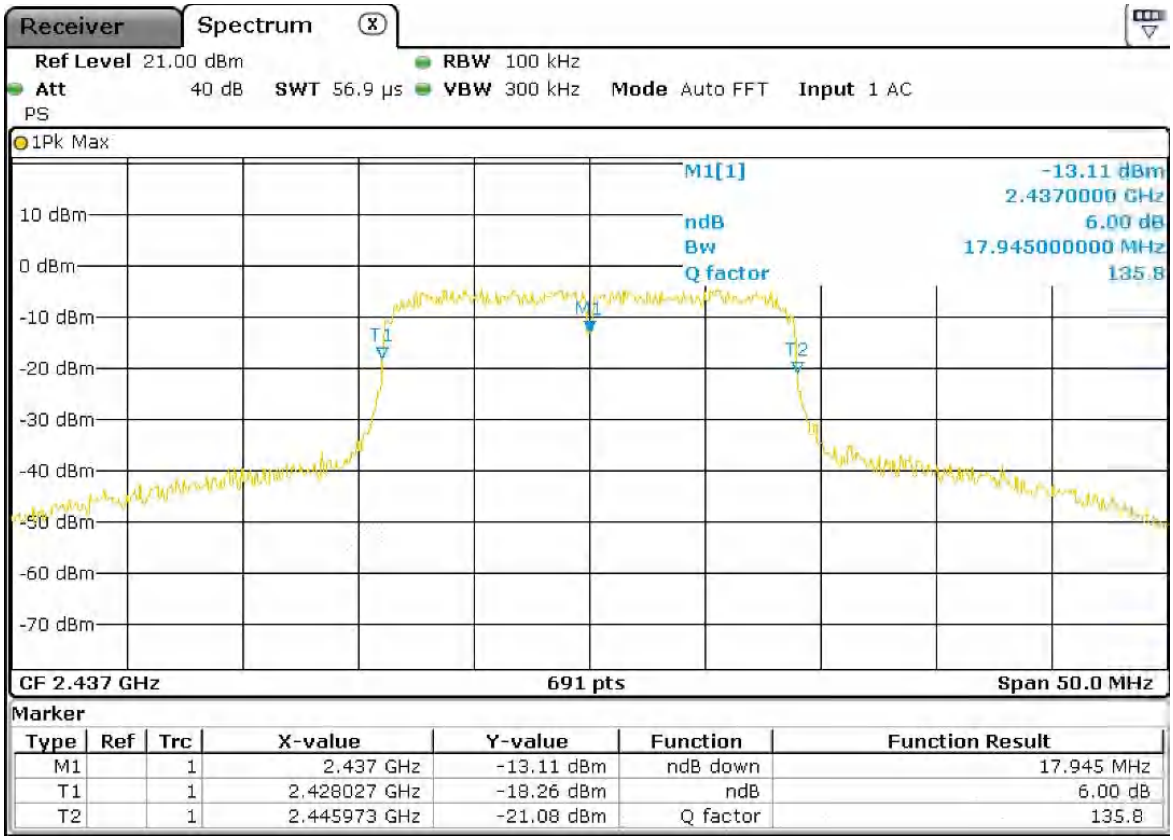
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11n, MCS4 (HT20)	2437	6	17.94	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 3 (Channel 6 – Frequency 2437 MHz)

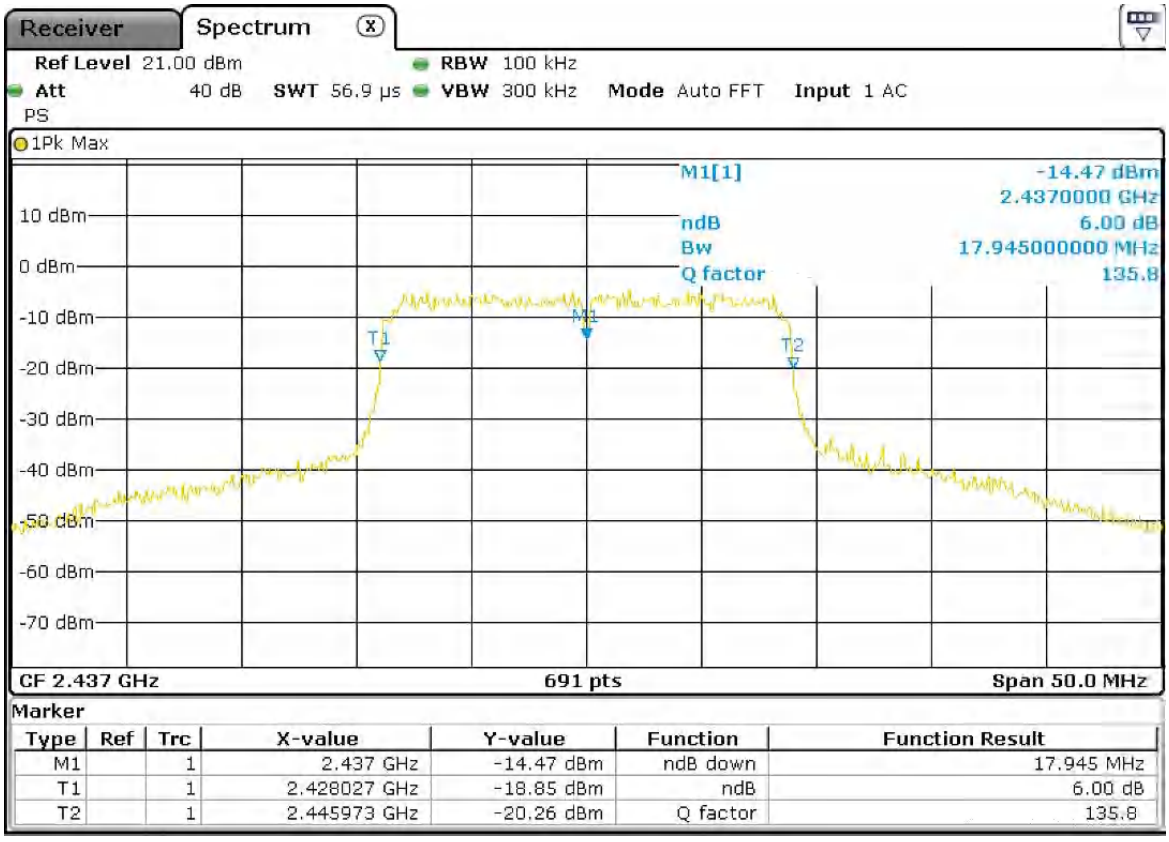
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11n, MCS5 (HT20)	2437	6	17.94	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 3 (Channel 6 – Frequency 2437 MHz)

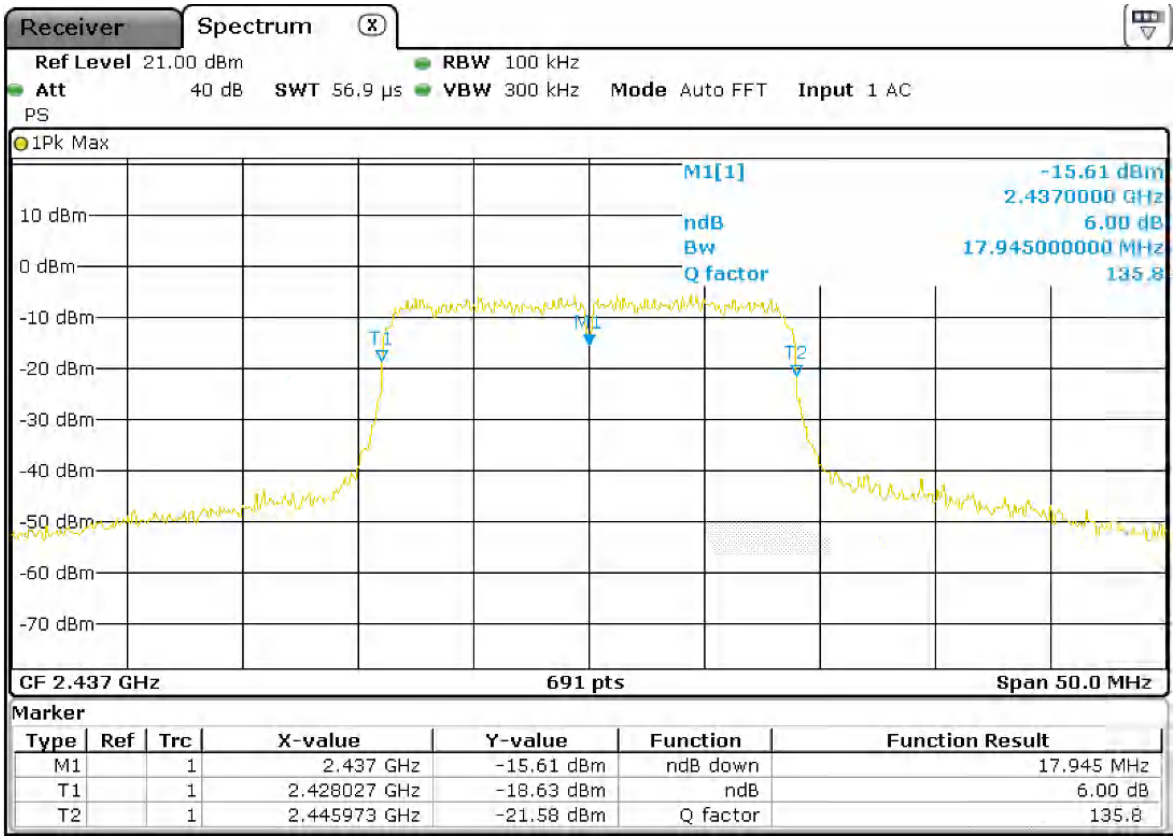
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11n, MCS6 (HT20)	2437	6	17.94	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 3 (Channel 6 – Frequency 2437 MHz)

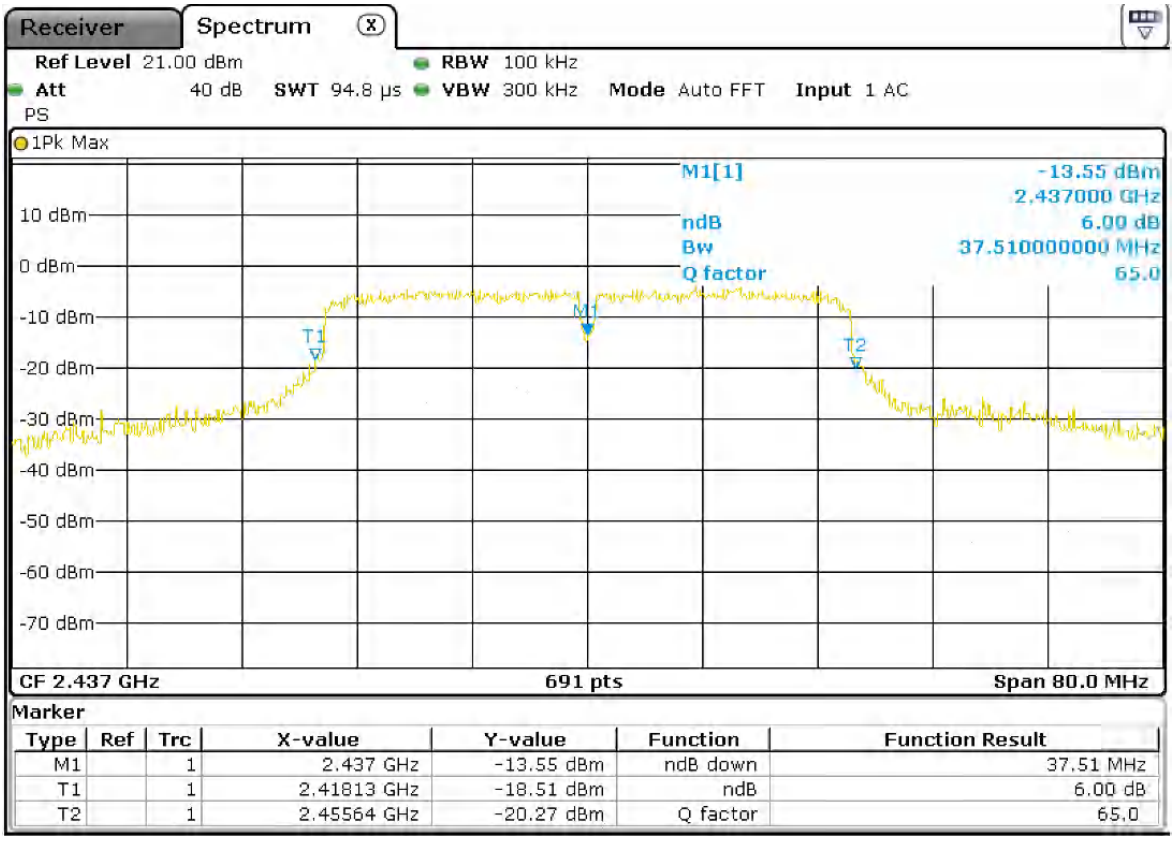
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11n, MCS7 (HT20)	2437	6	17.94	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 3 (Channel 6 – Frequency 2437 MHz)

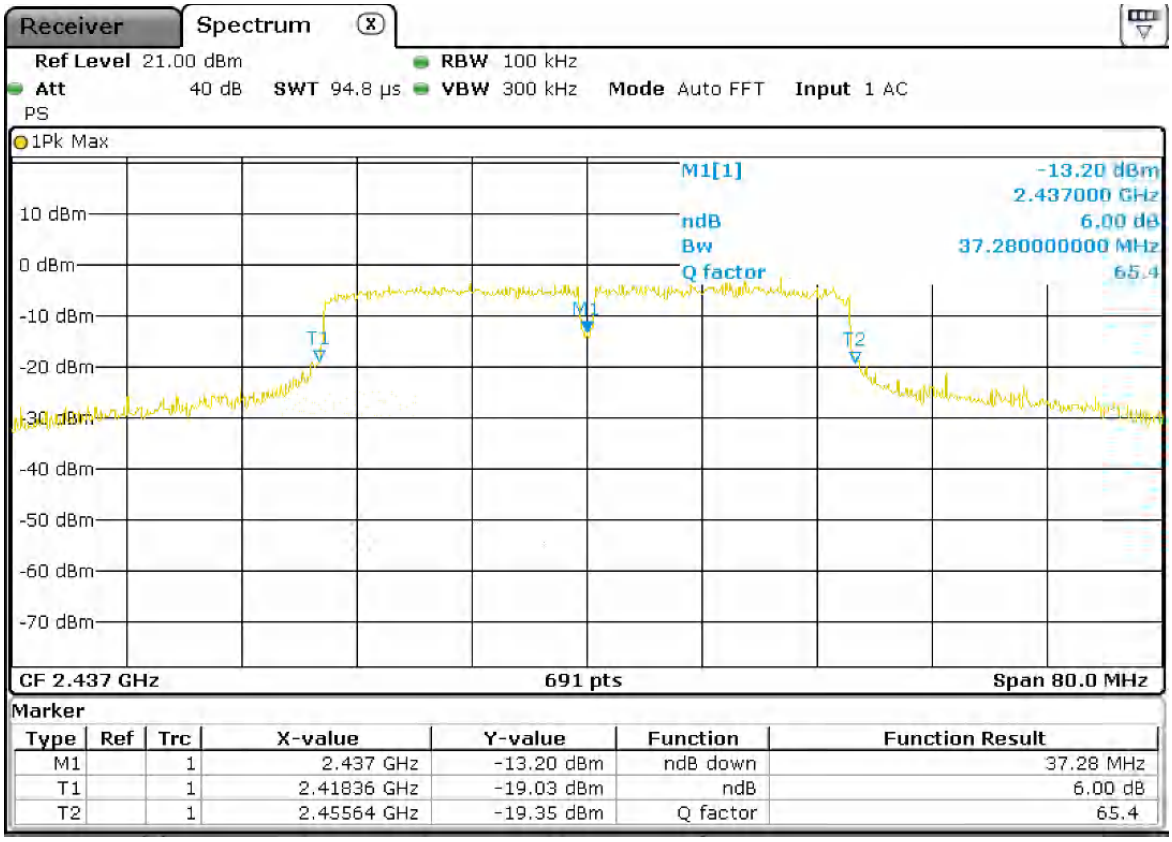
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11n, MCS0 (HT40)	2437	6	37.51	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 3 (Channel 6 – Frequency 2437 MHz)

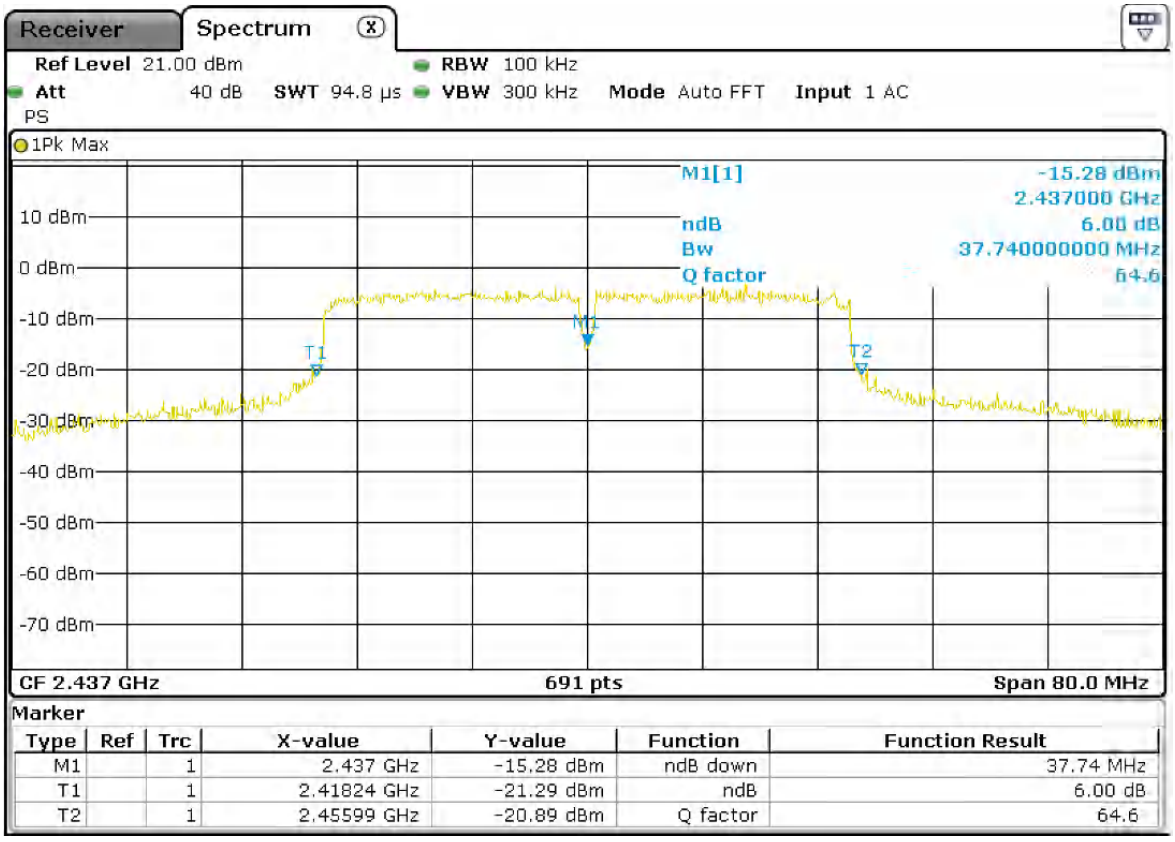
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11n, MCS1 (HT40)	2437	6	37.28	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 3 (Channel 6 – Frequency 2437 MHz)

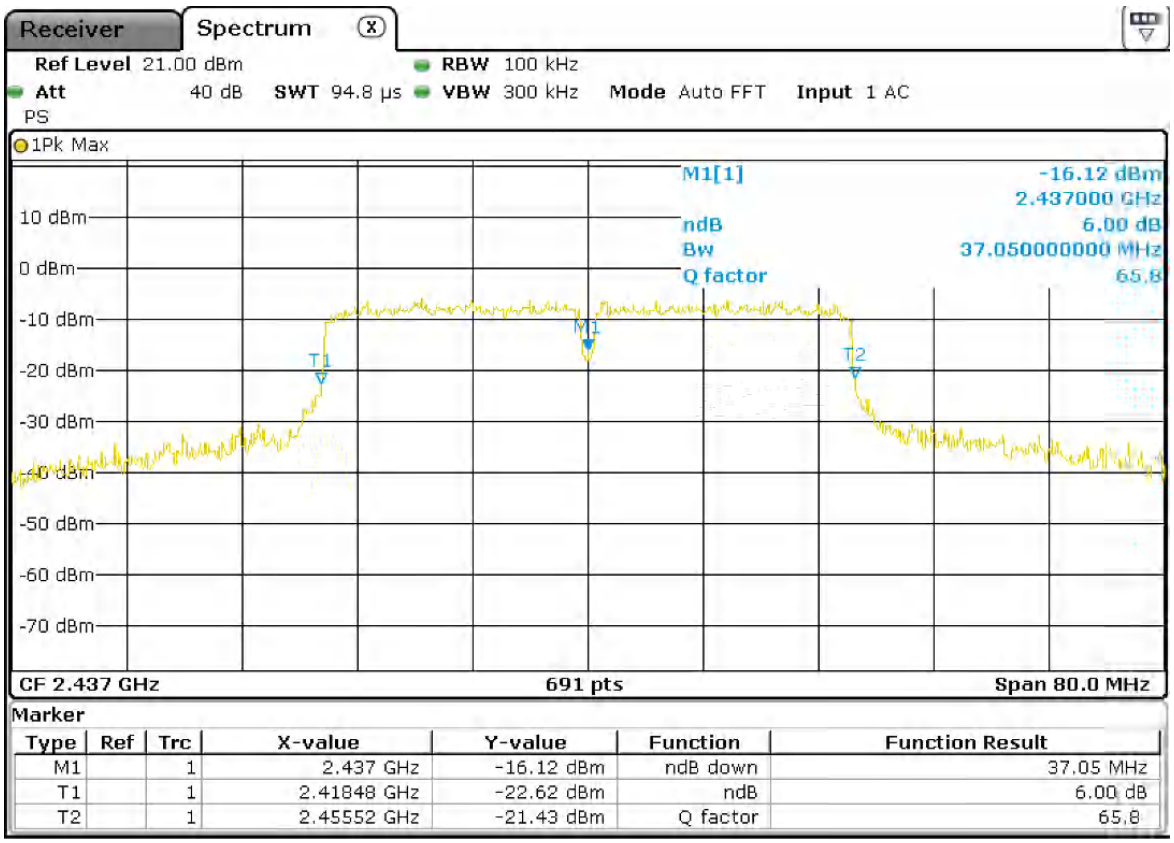
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11n, MCS2 (HT40)	2437	6	37.74	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 3 (Channel 6 – Frequency 2437 MHz)

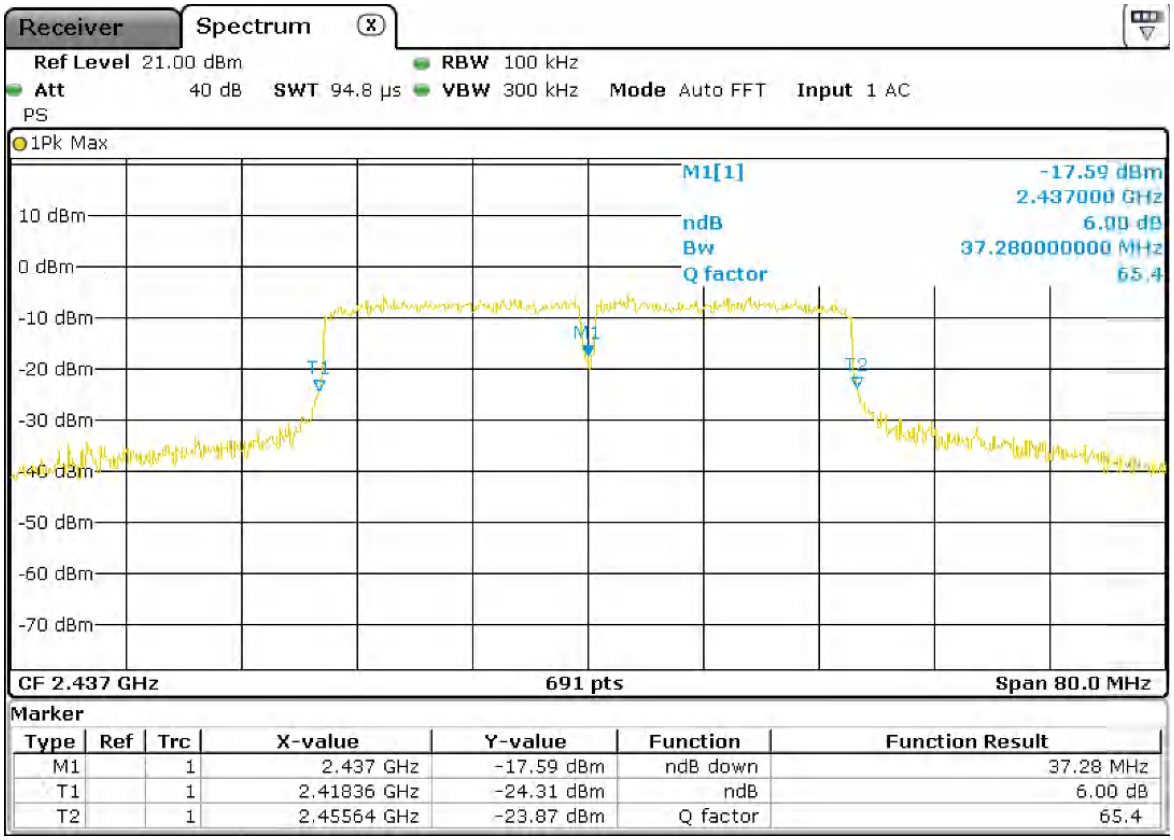
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11n, MCS3 (HT40)	2437	6	37.05	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 3 (Channel 6 – Frequency 2437 MHz)

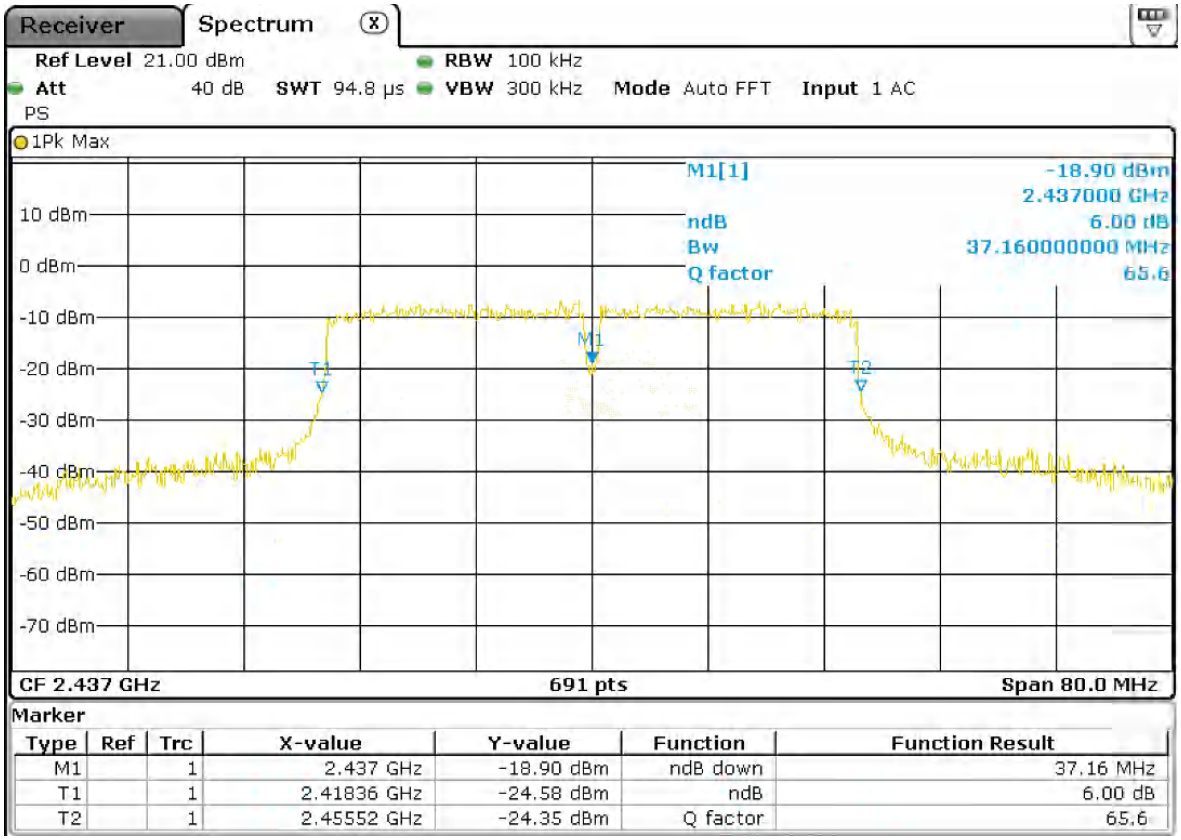
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11n, MCS4 (HT40)	2437	6	37.28	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 3 (Channel 6 – Frequency 2437 MHz)

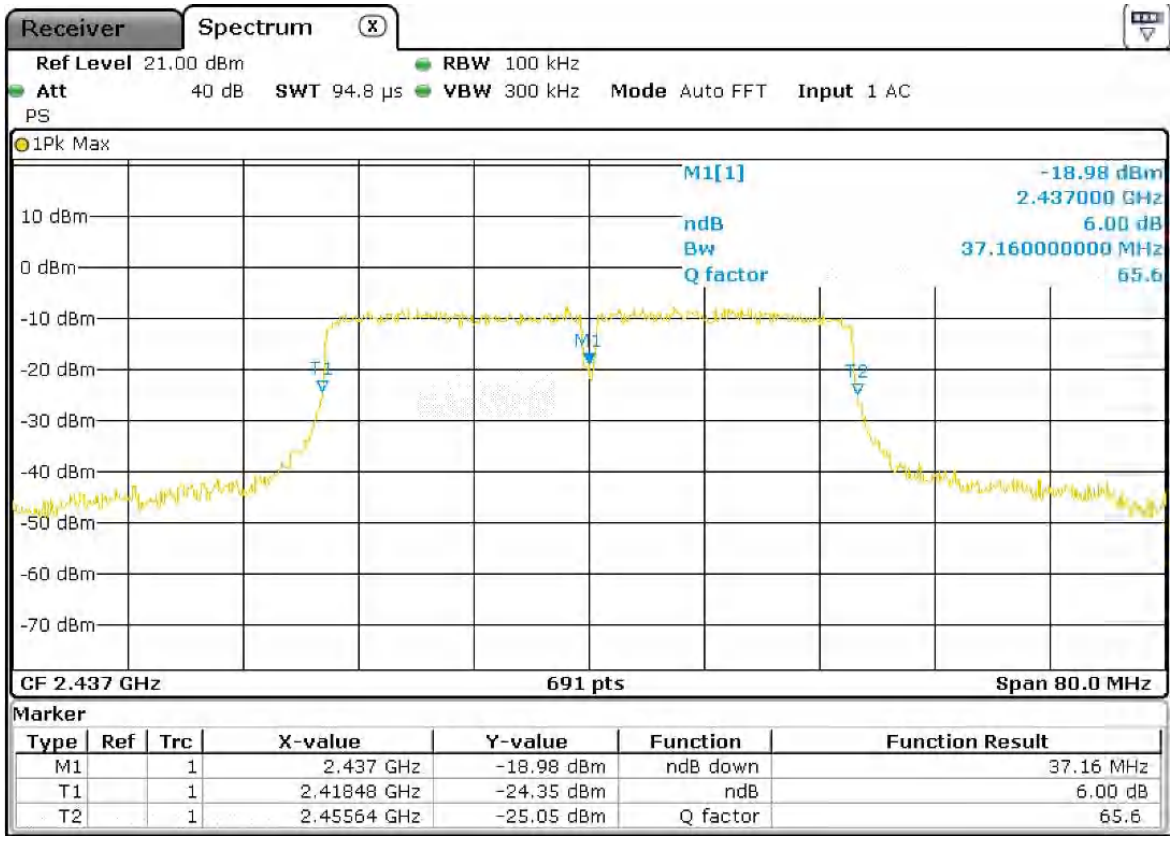
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11n, MCS5 (HT40)	2437	6	37.16	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 3 (Channel 6 – Frequency 2437 MHz)

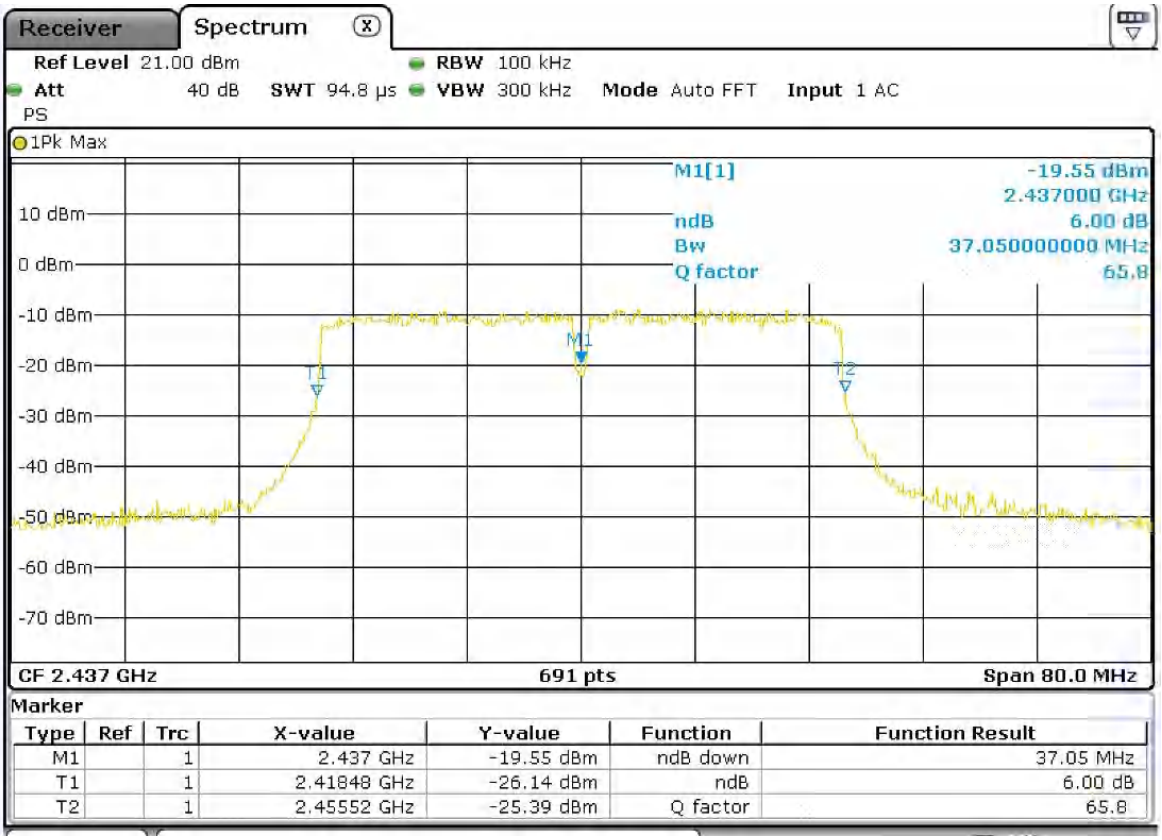
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11n, MCS6 (HT40)	2437	6	37.16	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 3 (Channel 6 – Frequency 2437 MHz)

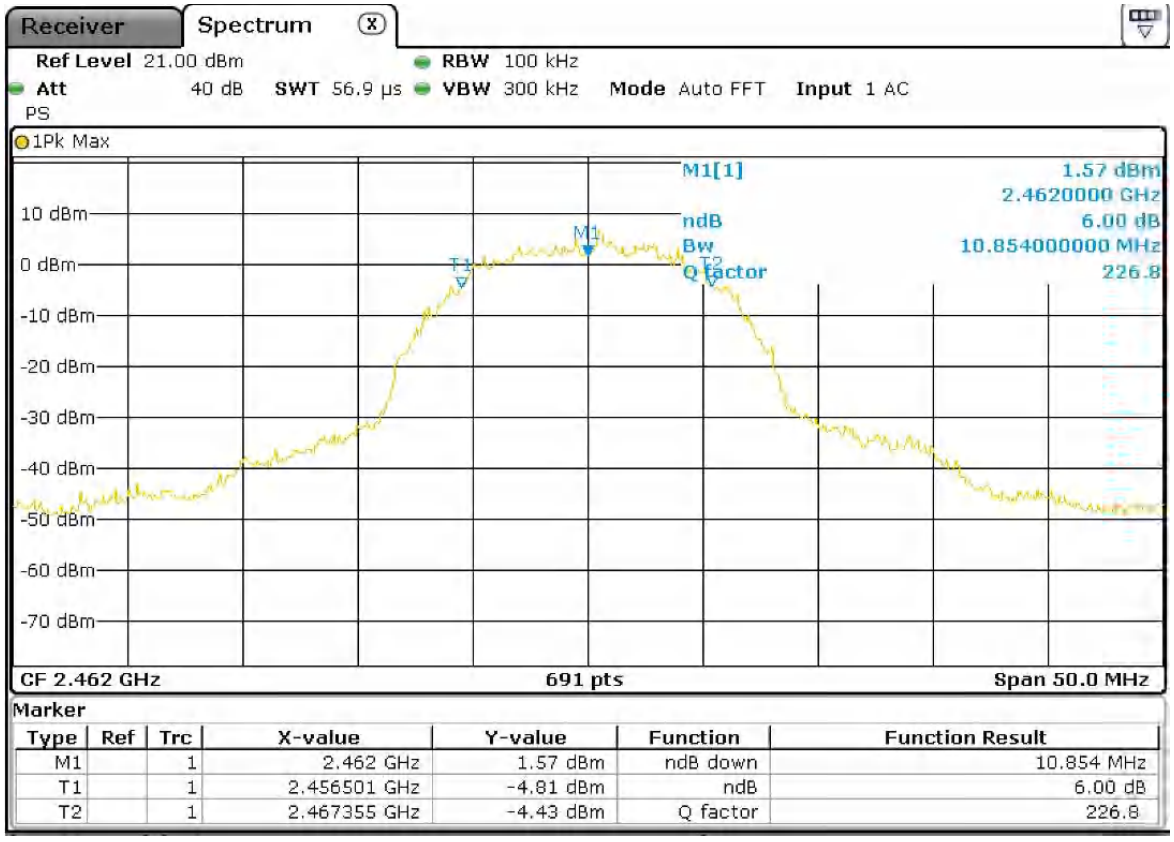
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11n, MCS7 (HT40)	2437	6	37.05	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 4 (Channel 11 – Frequency 2462 MHz)

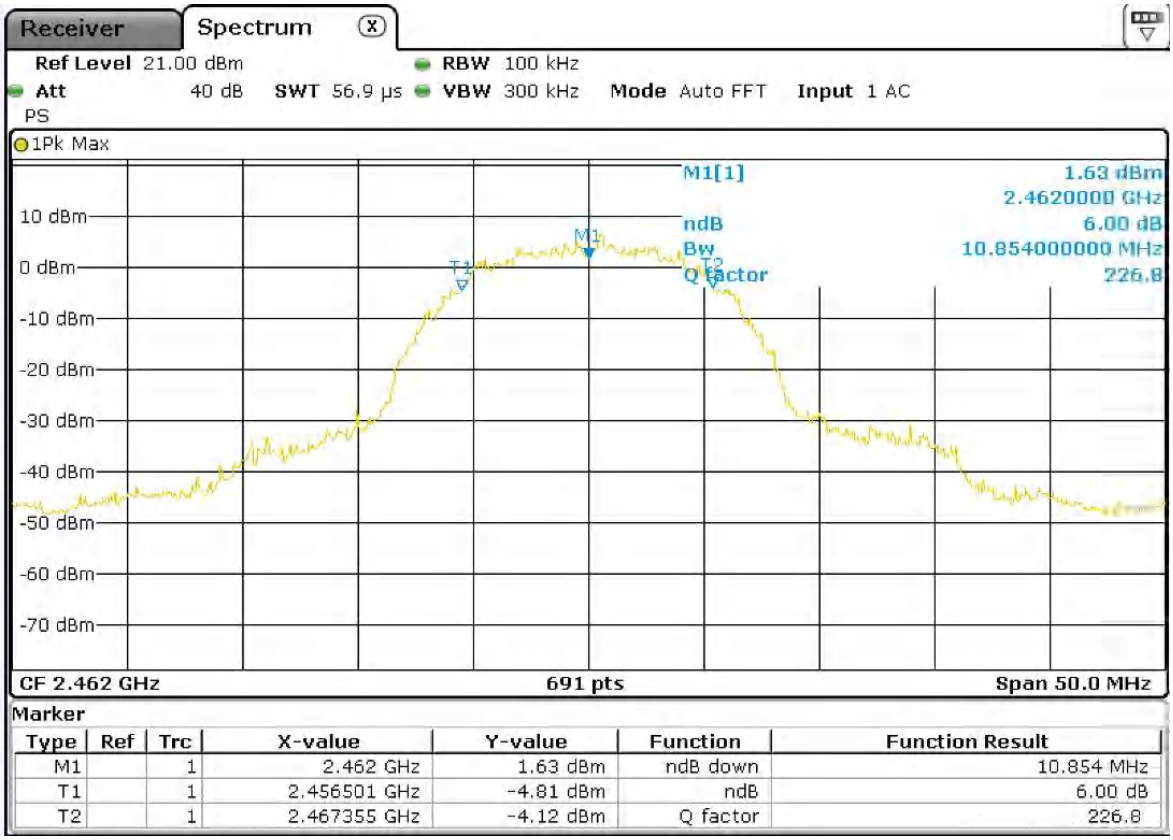
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11b, 1M	2462	11	10.85	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 4 (Channel 11 – Frequency 2462 MHz)

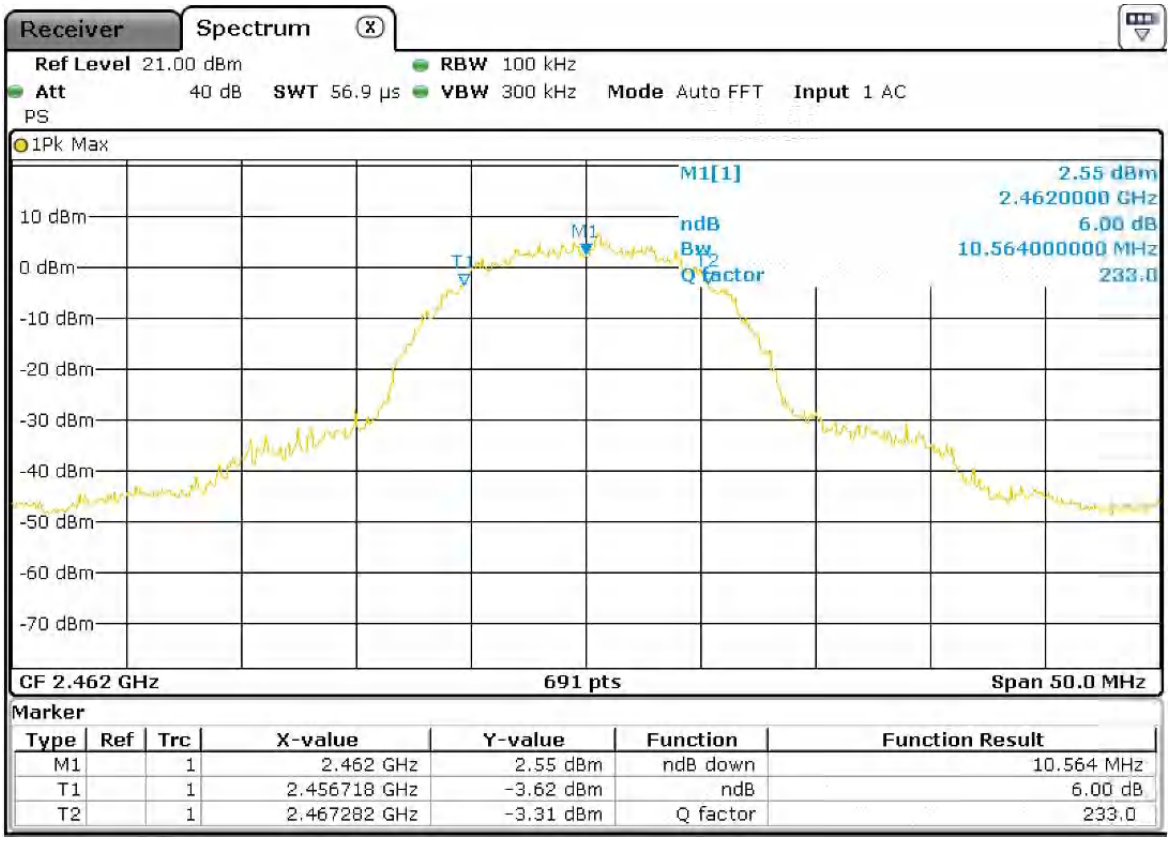
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11b, 2M	2462	11	10.85	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 4 (Channel 11 – Frequency 2462 MHz)

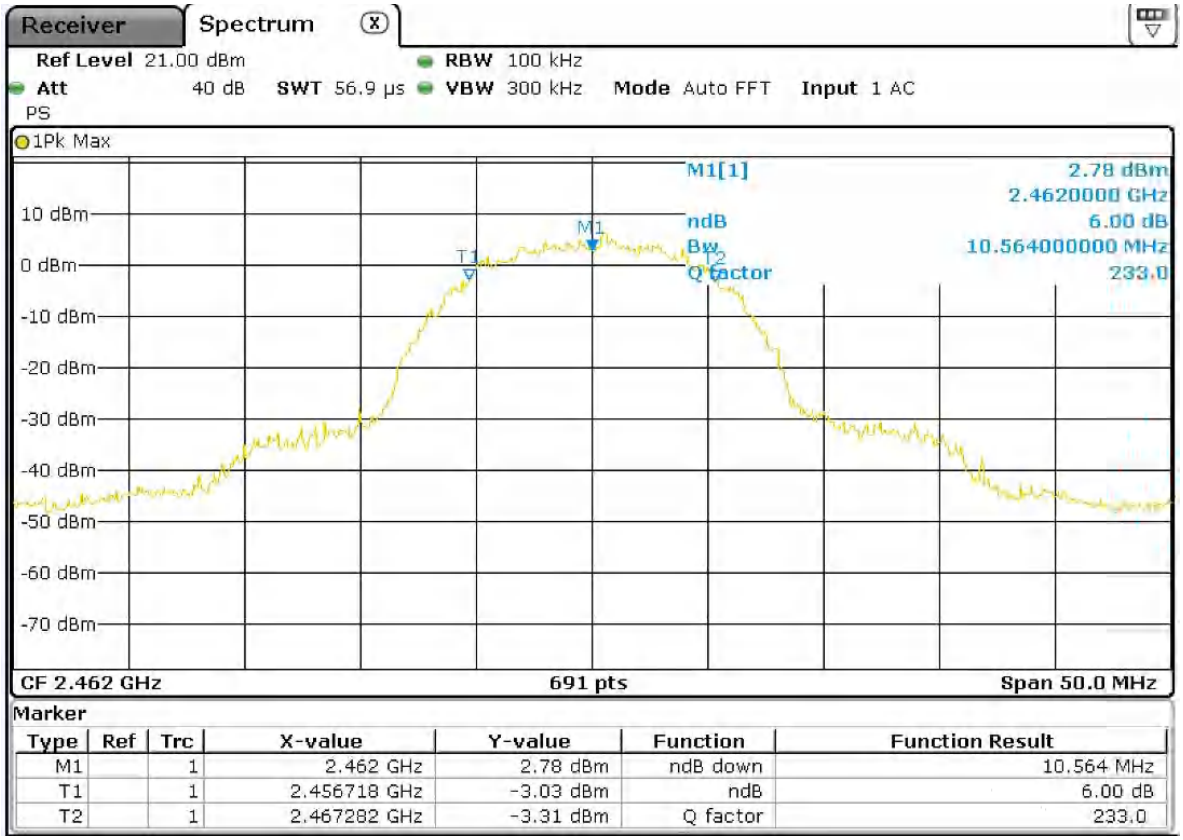
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11b, 5.5M	2462	11	10.56	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 4 (Channel 11 – Frequency 2462 MHz)

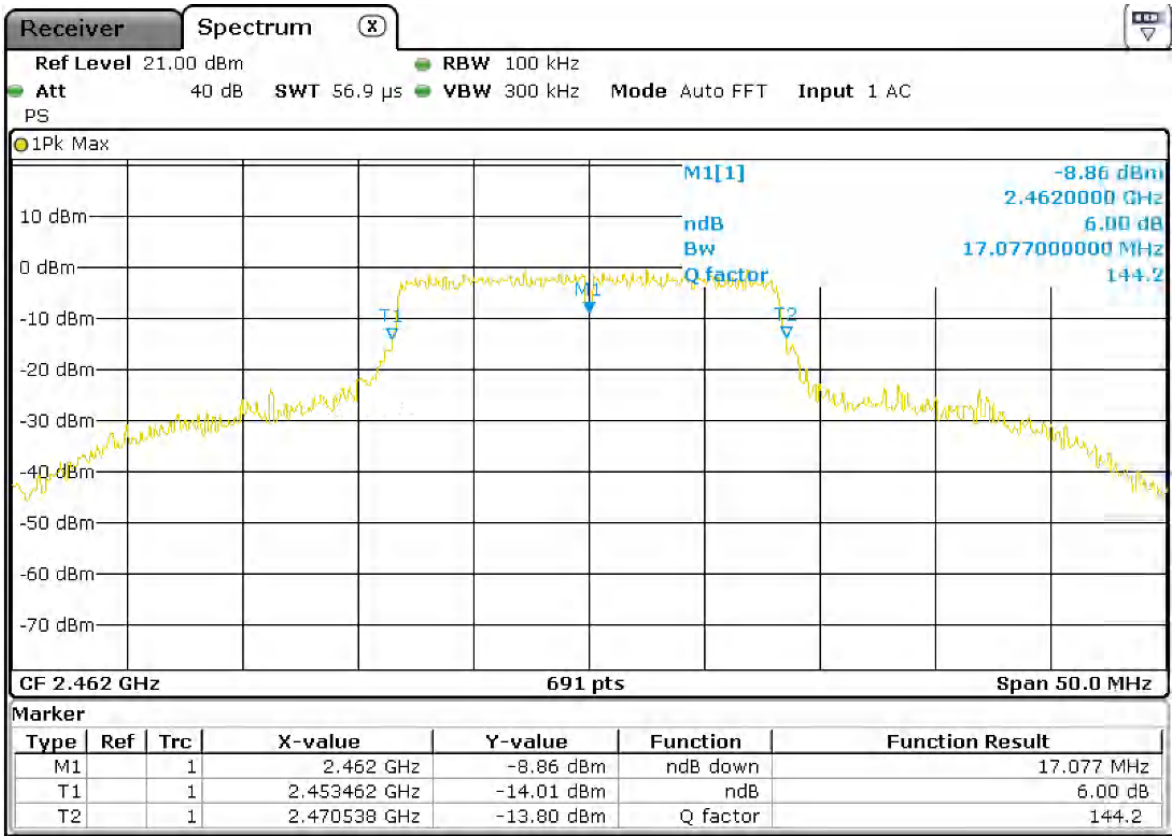
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11b, 11M	2462	11	10.56	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 4 (Channel 11 – Frequency 2462 MHz)

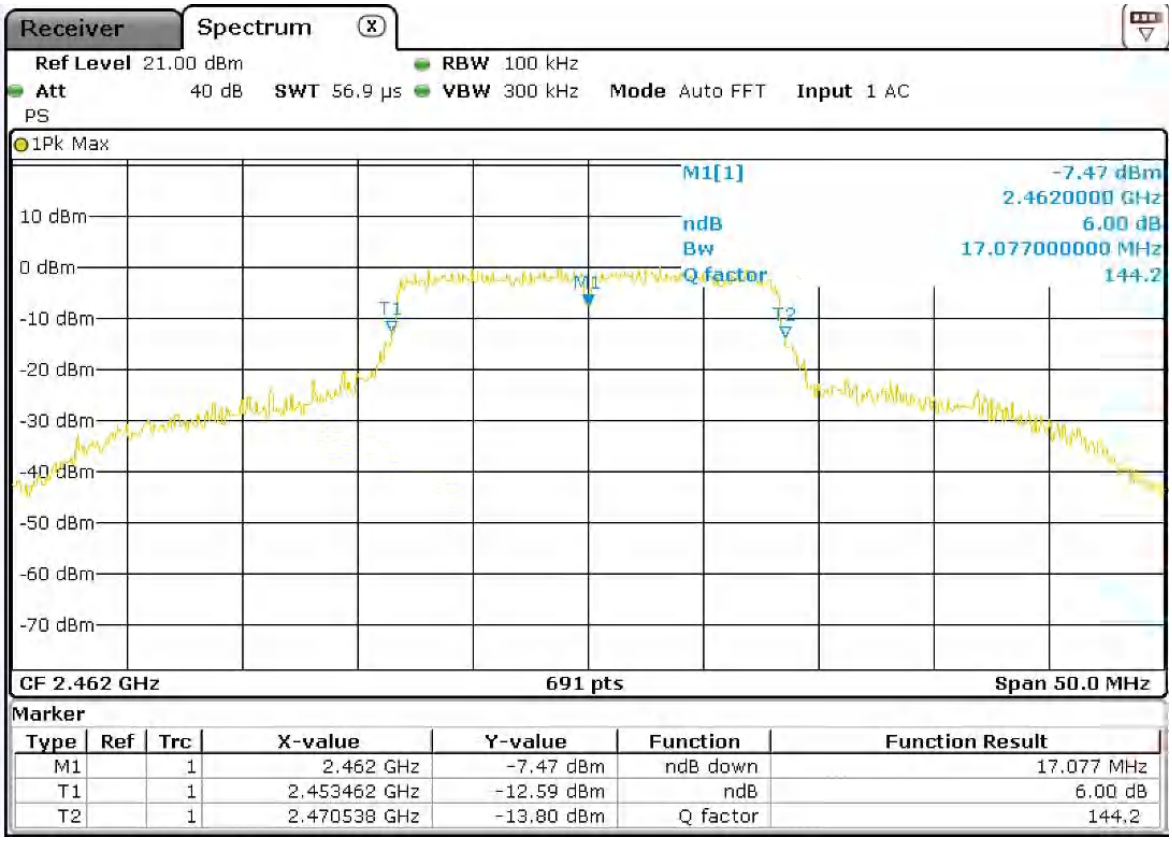
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11g, 6M	2462	11	17.08	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 4 (Channel 11 – Frequency 2462 MHz)

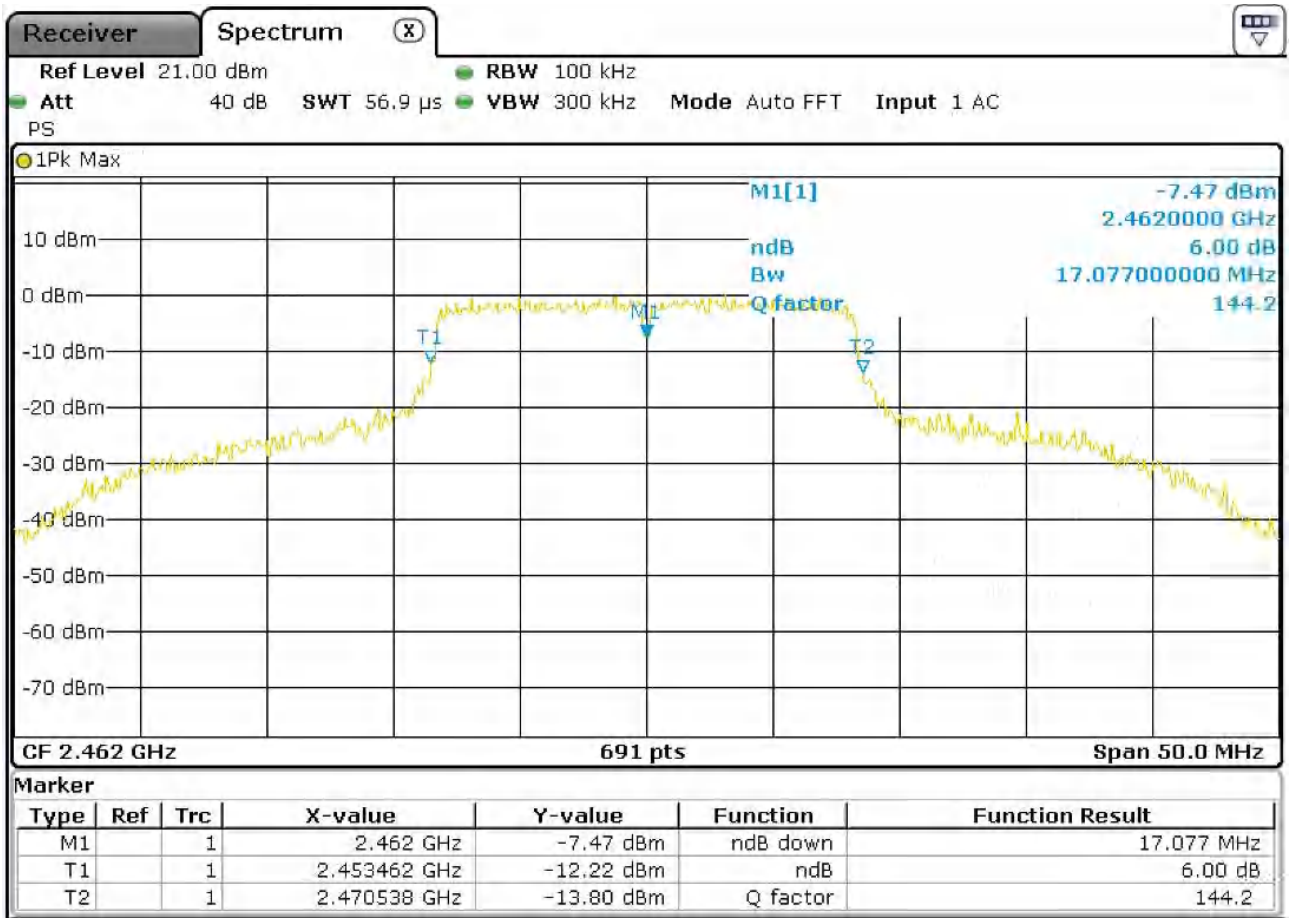
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11g, 9M	2462	11	17.08	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 4 (Channel 11 – Frequency 2462 MHz)

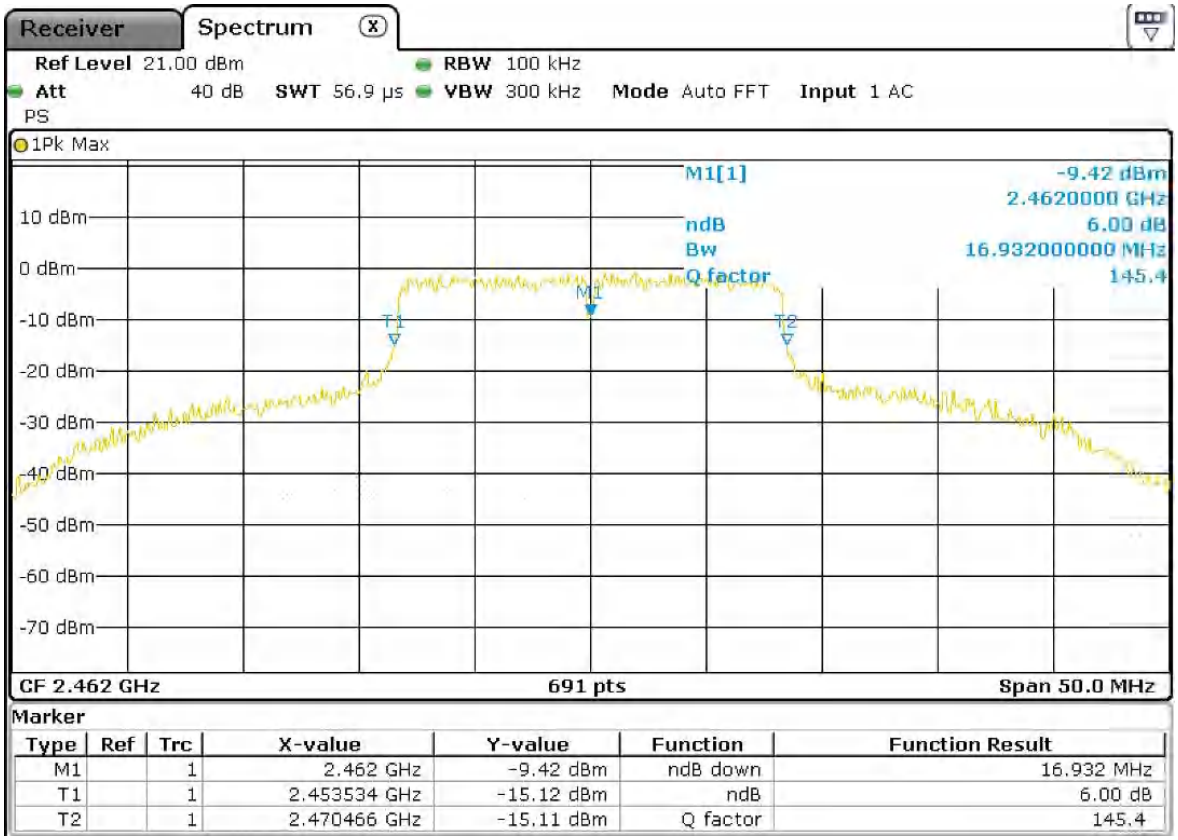
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11g, 12M	2462	11	17.08	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 4 (Channel 11 – Frequency 2462 MHz)

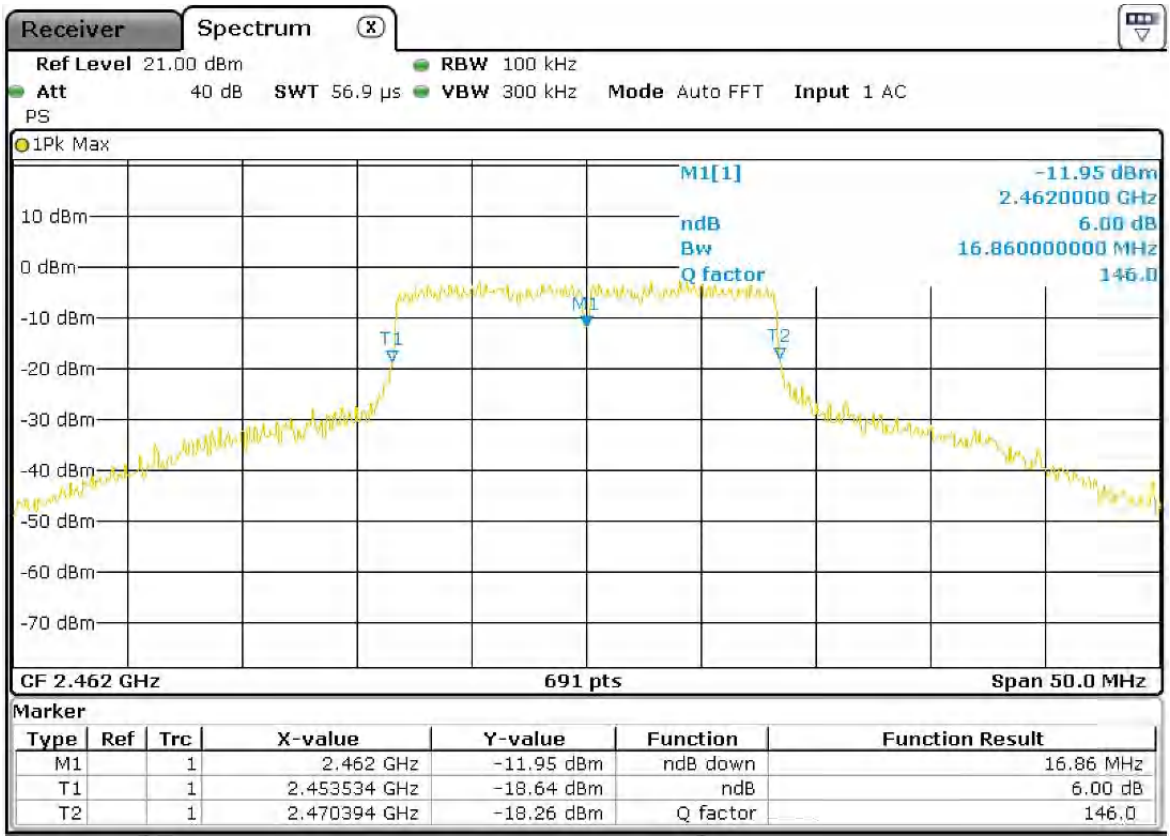
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11g, 18M	2462	11	16.93	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 4 (Channel 11 – Frequency 2462 MHz)

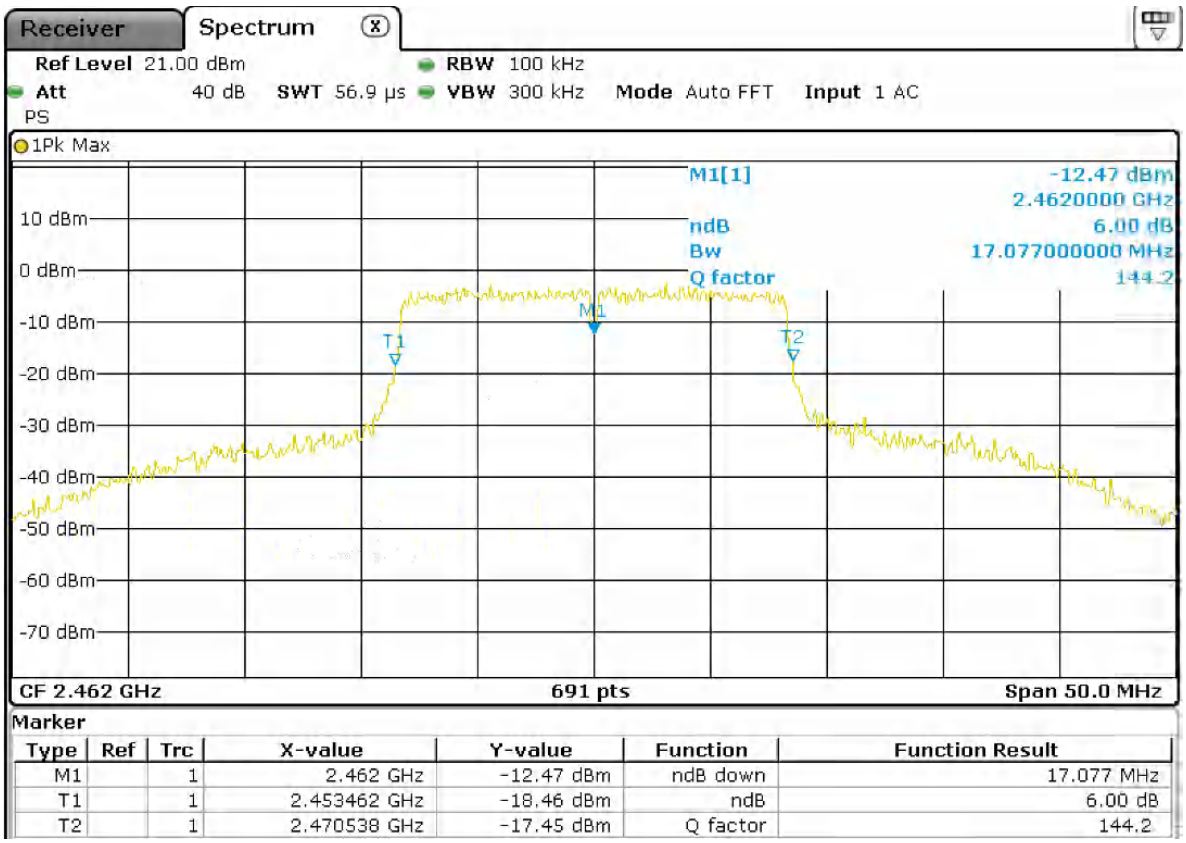
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11g, 24M	2462	11	16.86	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 4 (Channel 11 – Frequency 2462 MHz)

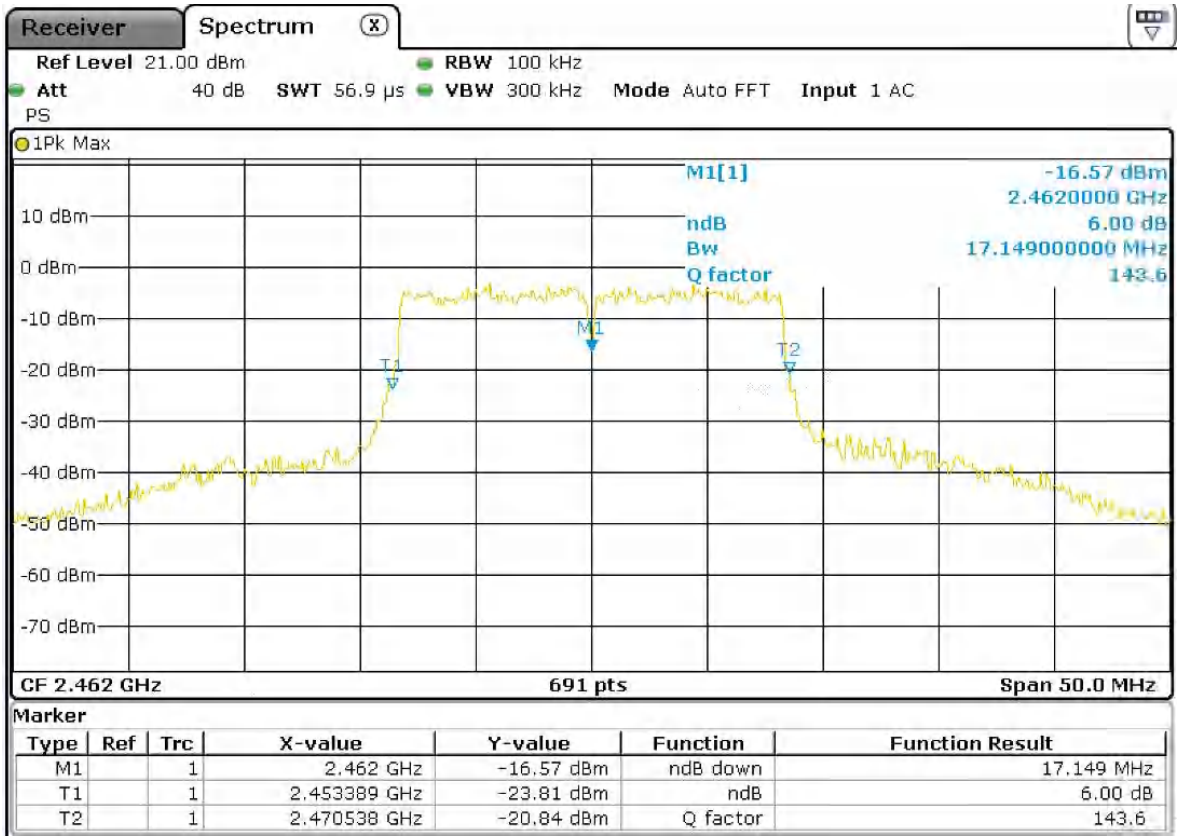
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11g, 36M	2462	11	17.08	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 4 (Channel 11 – Frequency 2462 MHz)

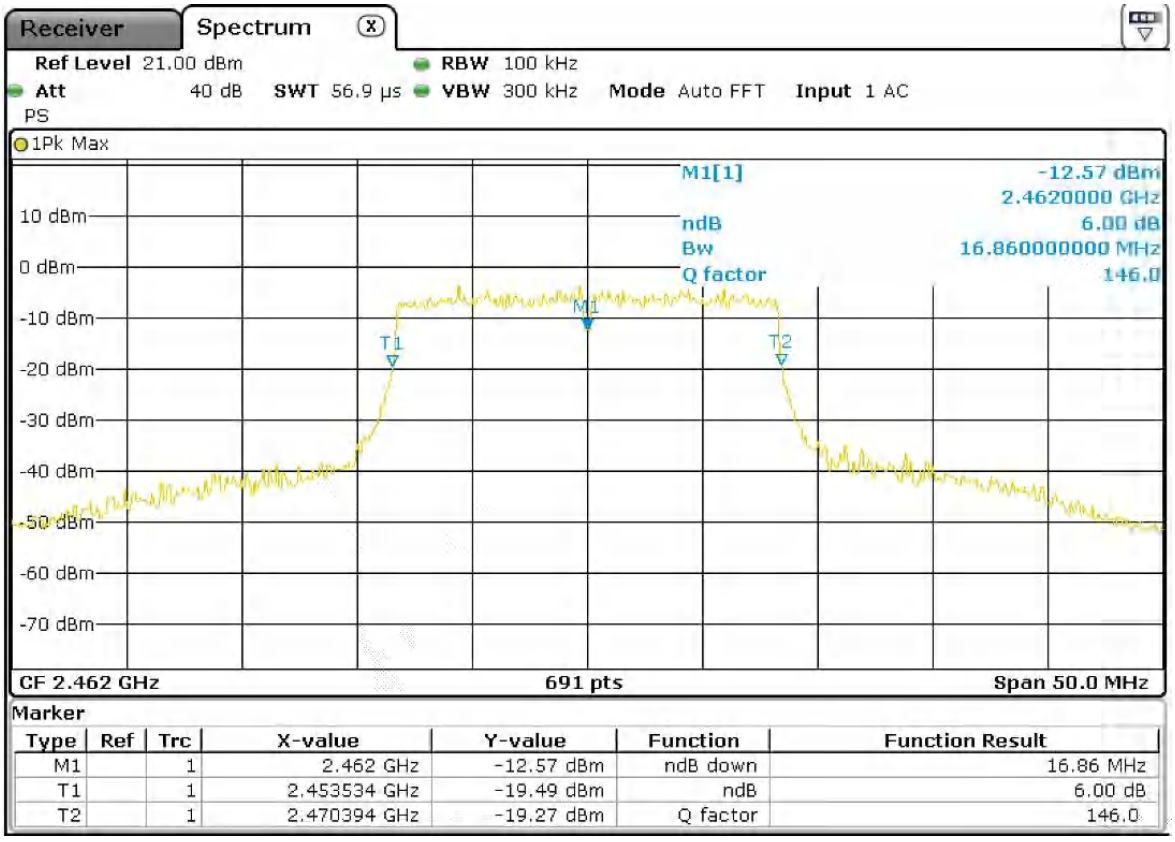
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11g, 48M	2462	11	17.15	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 4 (Channel 11 – Frequency 2462 MHz)

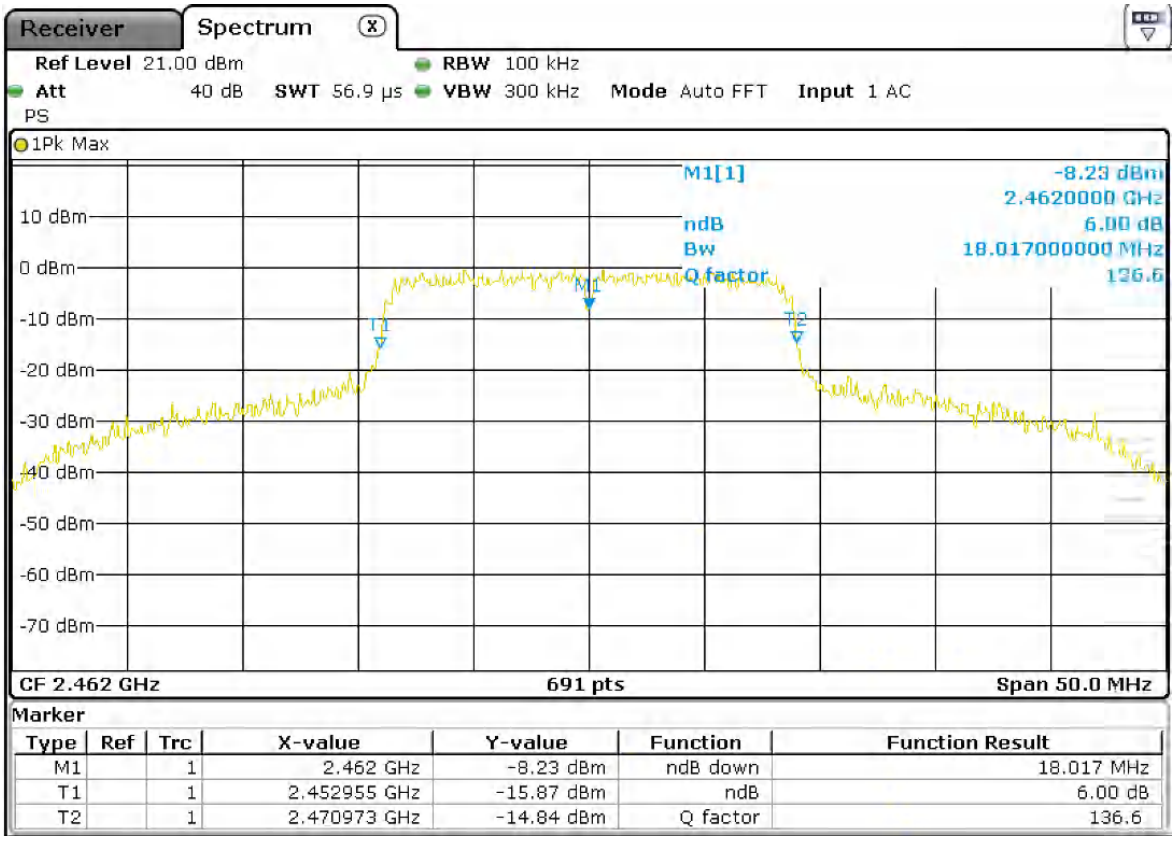
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11g, 54M	2462	11	16.86	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 4 (Channel 11 – Frequency 2462 MHz)

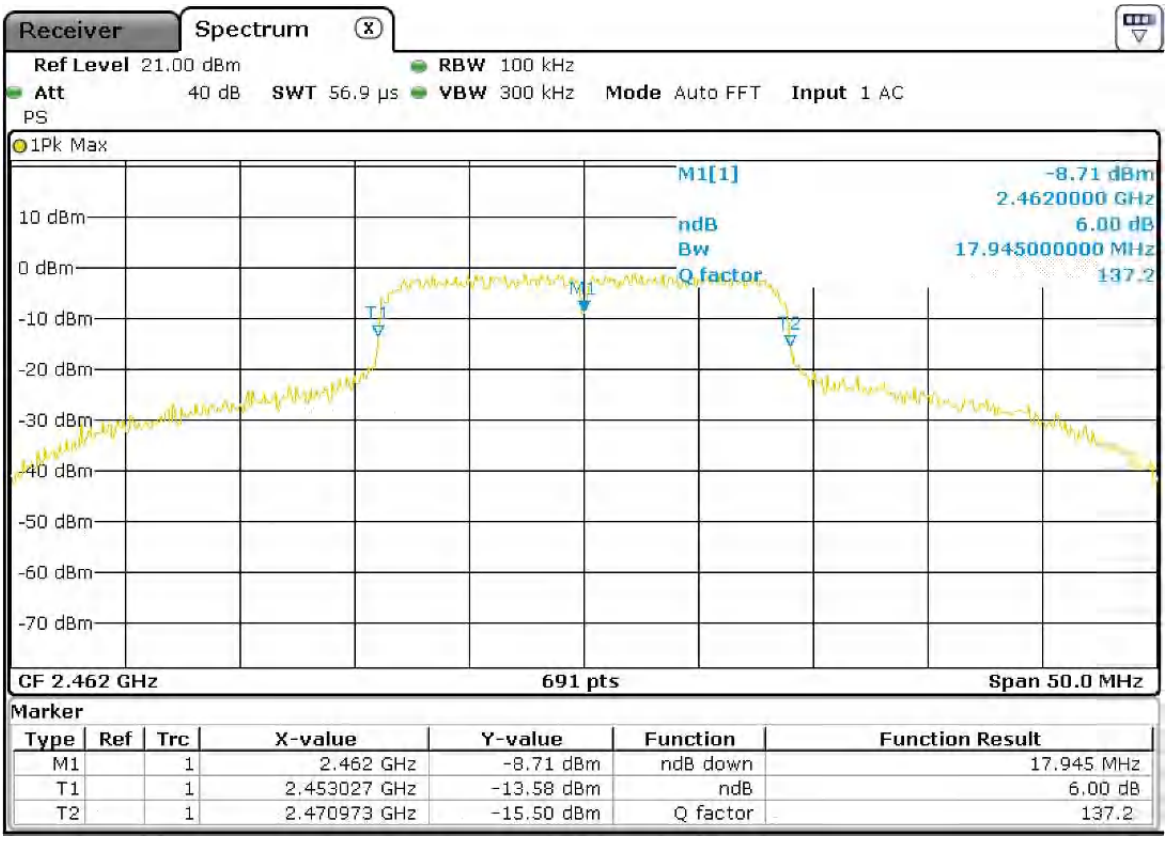
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11n, MCS0 (HT20)	2462	11	18.02	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 4 (Channel 11 – Frequency 2462 MHz)

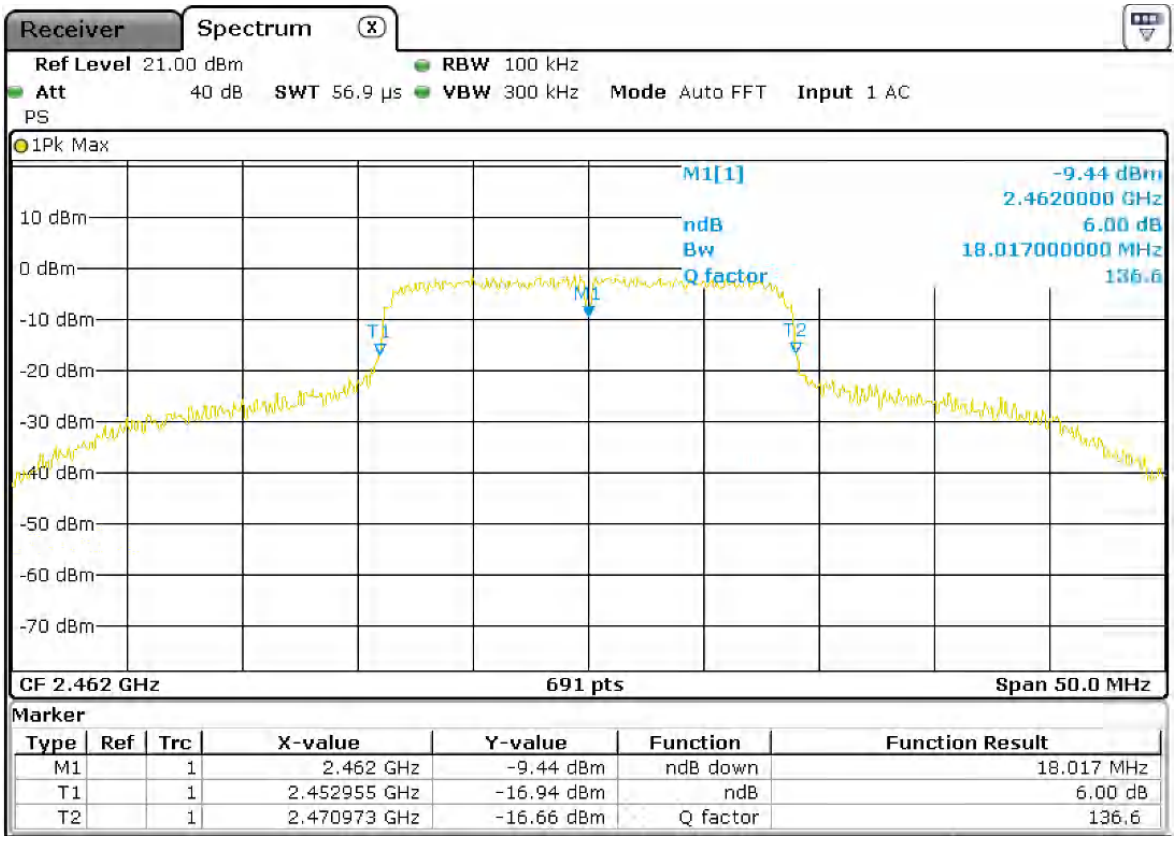
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11n, MCS1 (HT20)	2462	11	17.94	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 4 (Channel 11 – Frequency 2462 MHz)

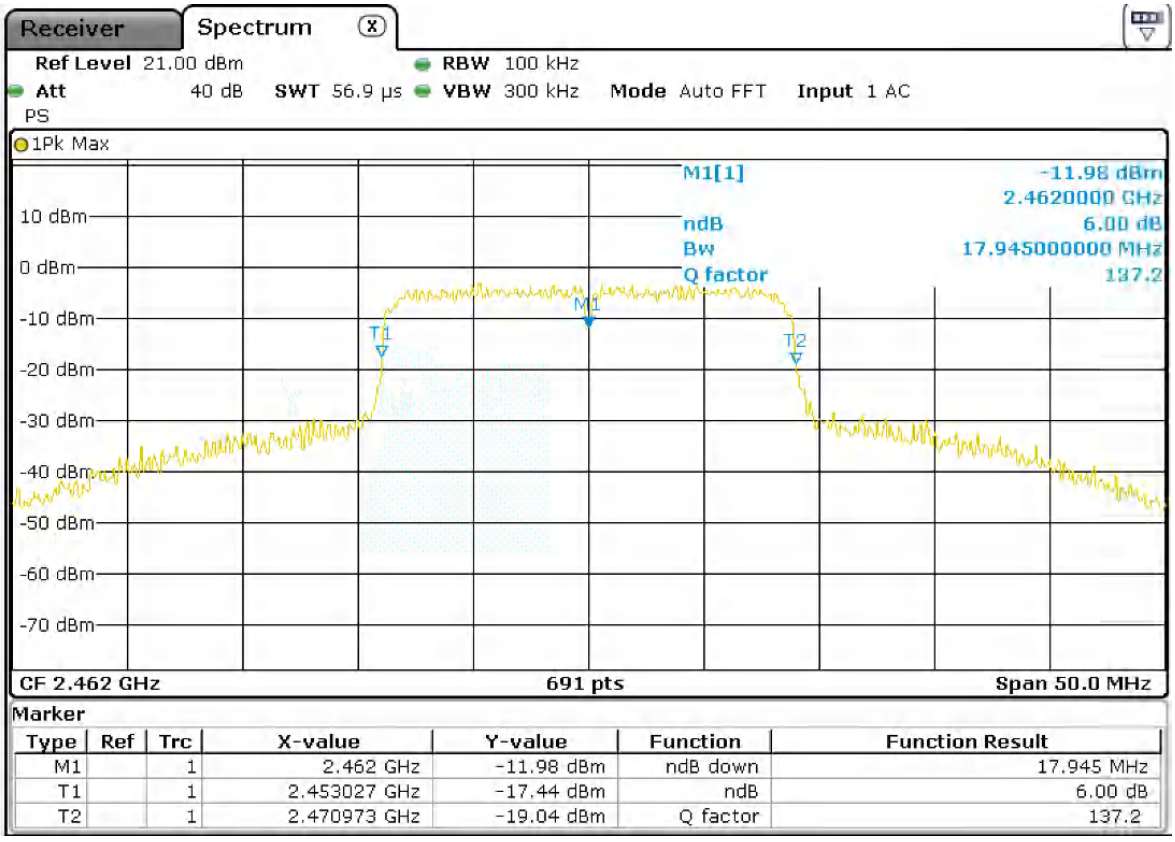
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11n, MCS2 (HT20)	2462	11	18.02	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 4 (Channel 11 – Frequency 2462 MHz)

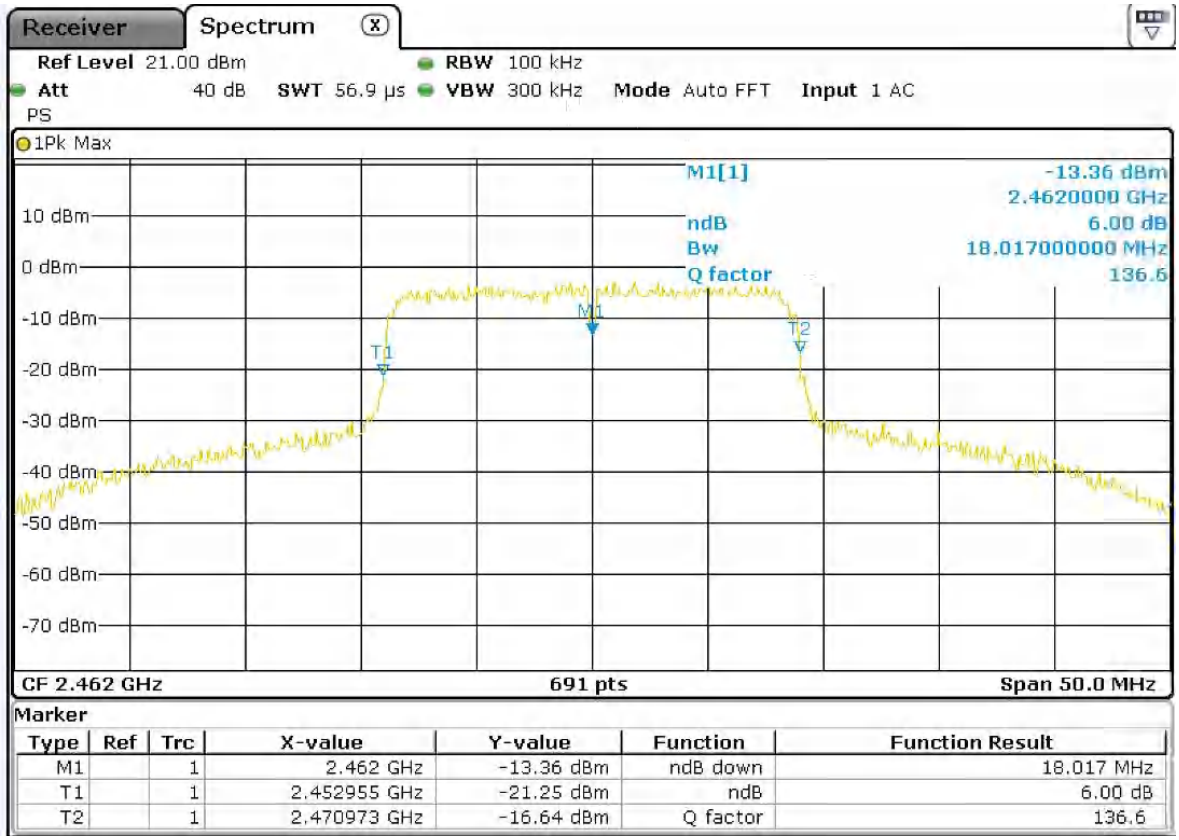
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11n, MCS3 (HT20)	2462	11	17.94	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 4 (Channel 11 – Frequency 2462 MHz)

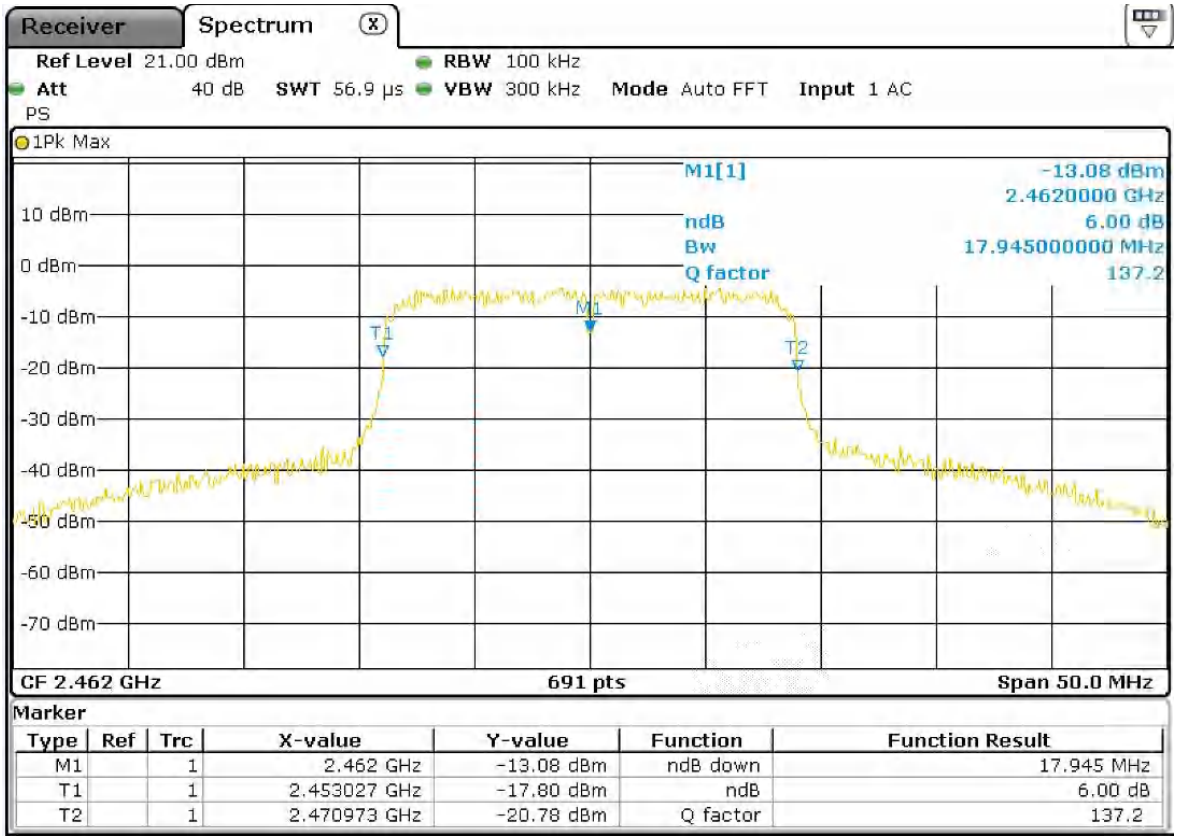
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11n, MCS4 (HT20)	2462	11	18.02	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 4 (Channel 11 – Frequency 2462 MHz)

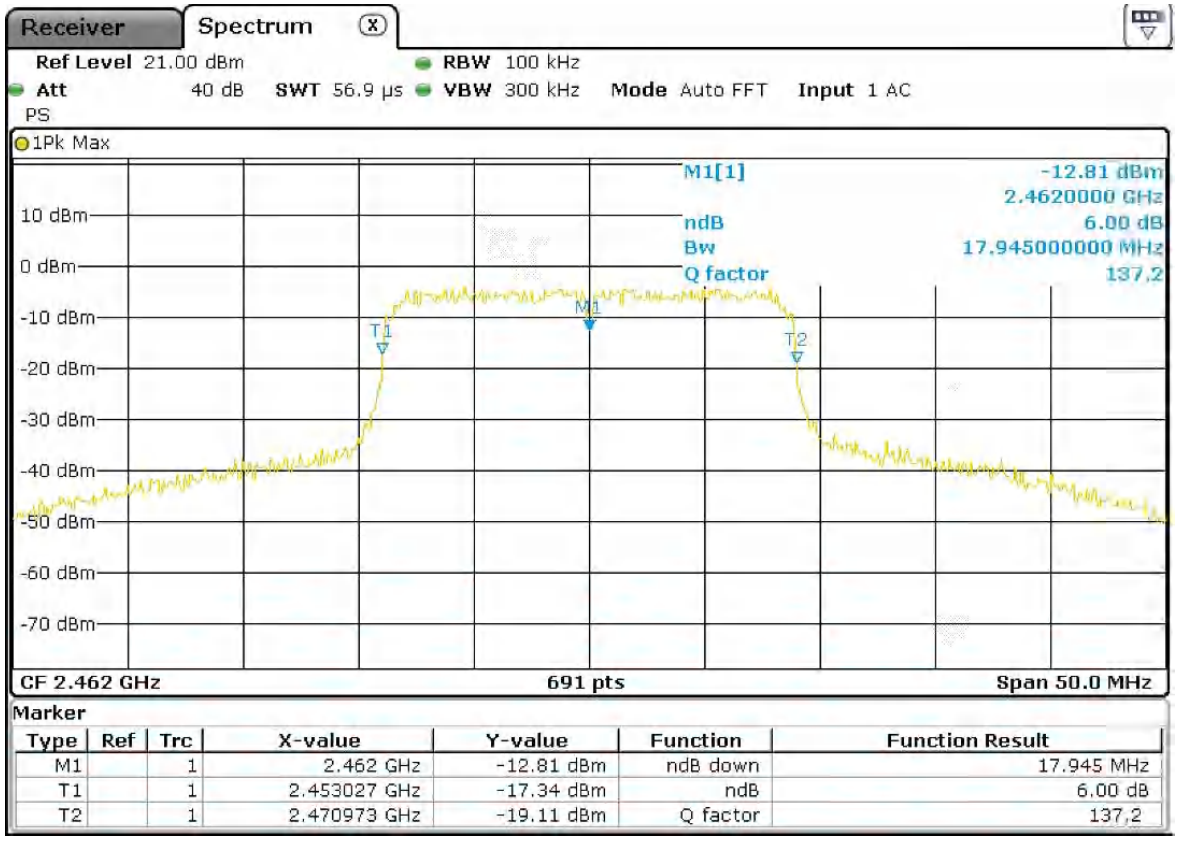
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11n, MCS5 (HT20)	2462	11	17.94	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 4 (Channel 11 – Frequency 2462 MHz)

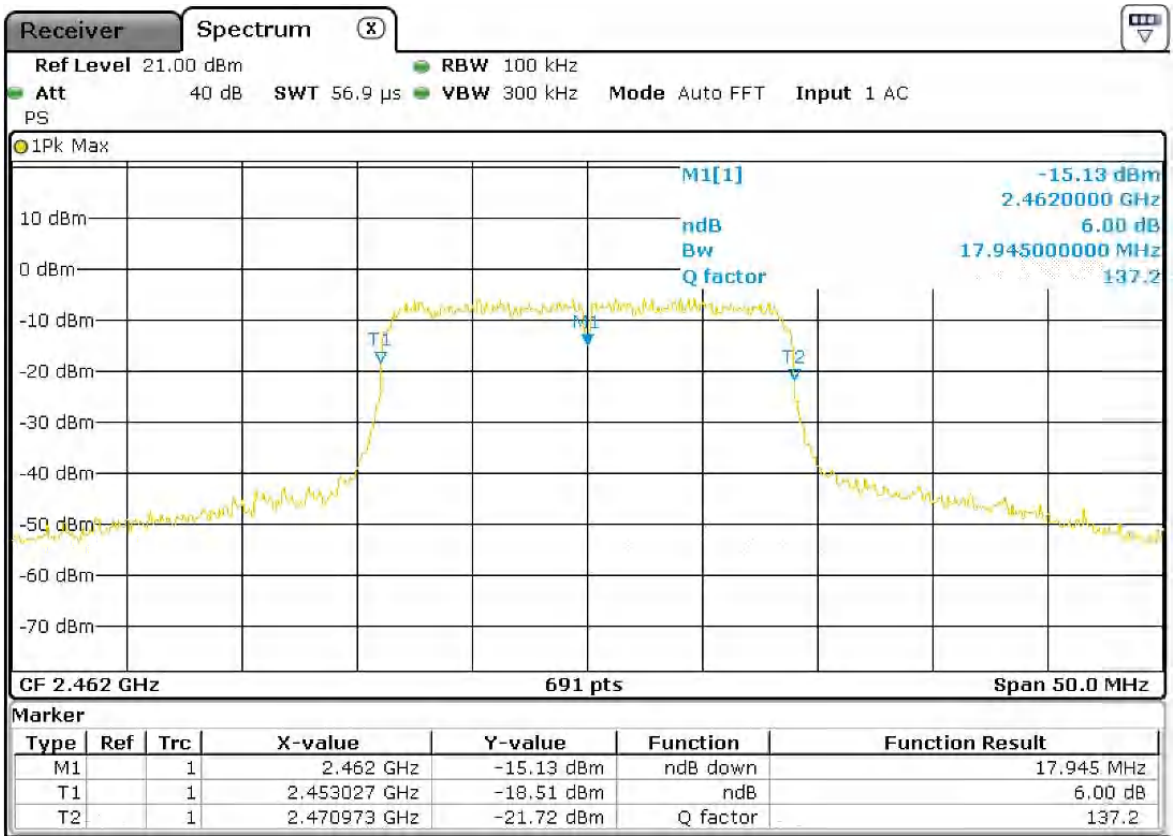
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11n, MCS6 (HT20)	2462	11	17.94	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 4 (Channel 11 – Frequency 2462 MHz)

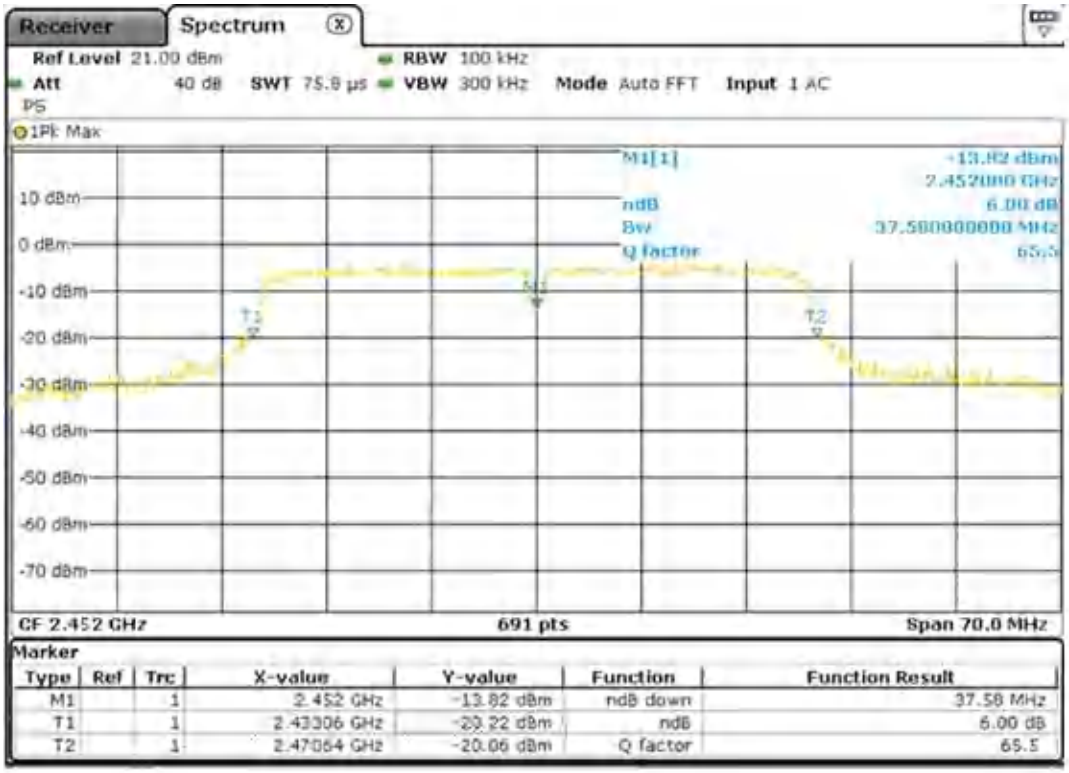
Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11n, MCS7 (HT20)	2462	11	17.94	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 5 (Channel 9 – Frequency 2452 MHz)

Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11n, MCS0 (HT40)	2452	9	37.58	PASS



Graphical presentation of 6dB Bandwidth measurement

Operation mode: 5 (Channel 9 – Frequency 2452 MHz)

Test conditions			Frequency (MHz)	Channel	6dB Bandwidth (MHz)	Result
Temperature	Voltage	Data rate				
Tnom +23,1°C	5Vdc (internal battery)	11n, MCS1 (HT40)	2452	9	37.38	PASS