

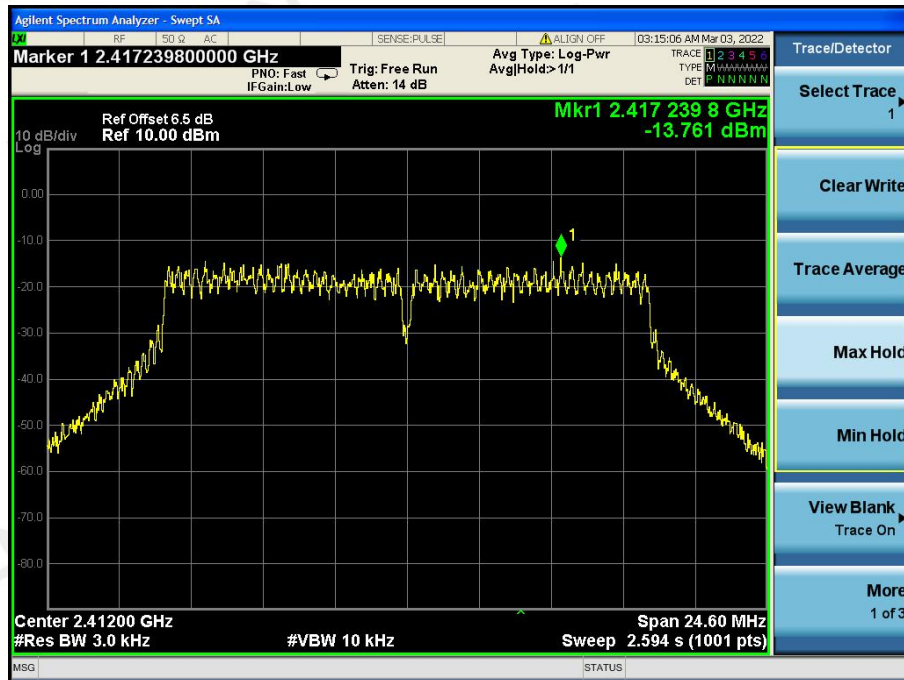
CH11



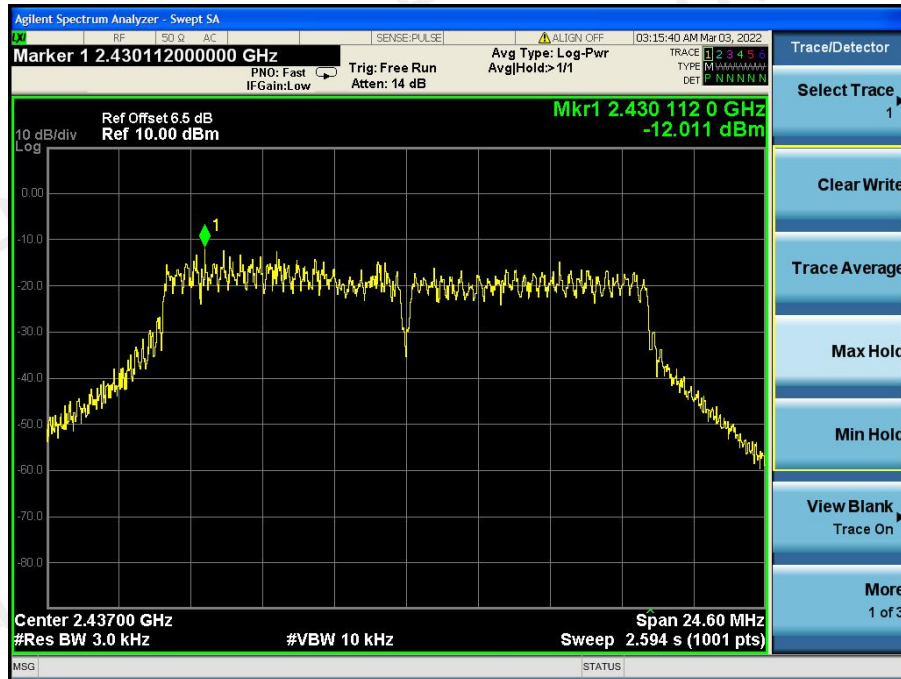
EUT:	ALL IN ONE	Model Name :	1786AIO
Temperature:	25 °C	Relative Humidity:	60%
Pressure:	1010 hPa	Test Voltage :	DC 7.4V
Test Mode :	CH01 / CH06/CH11 (802.11g Data rate 6Mbps)		
Test Date :	2022-03-03		

Test Channel	Frequency (MHz)	Power Density (dBm)ANT 1	LIMIT (dBm)
CH01	2412 MHz	-13.761	8
CH06	2437 MHz	-12.011	8
CH11	2462 MHz	-15.916	8

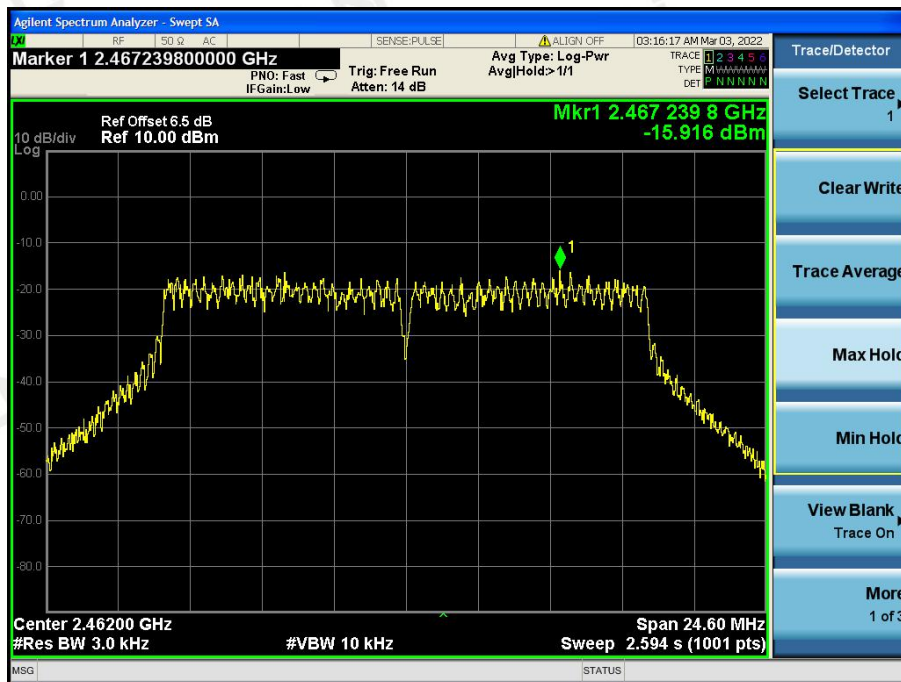
CH01



CH06



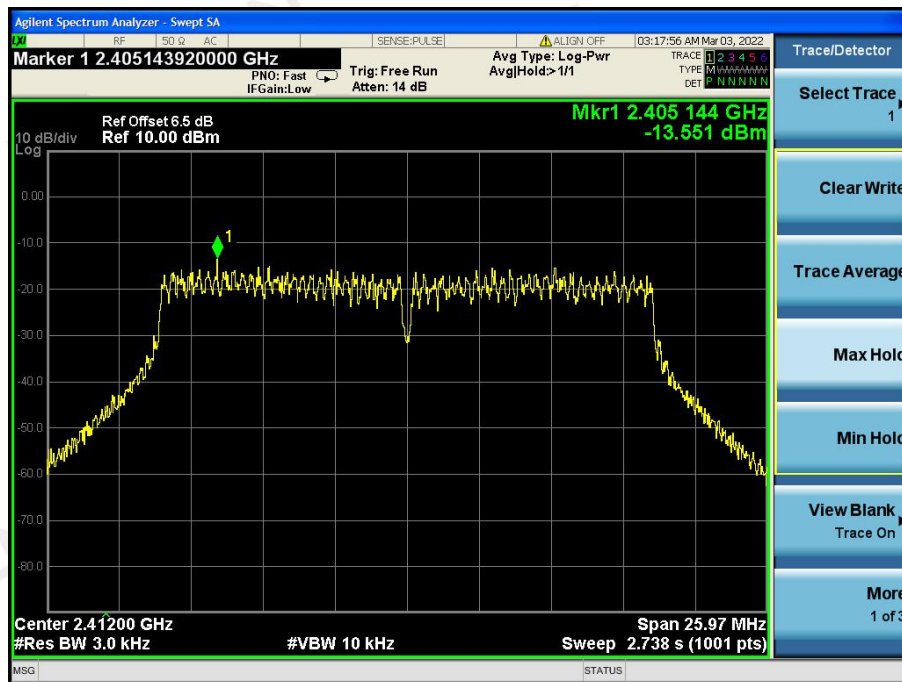
CH11



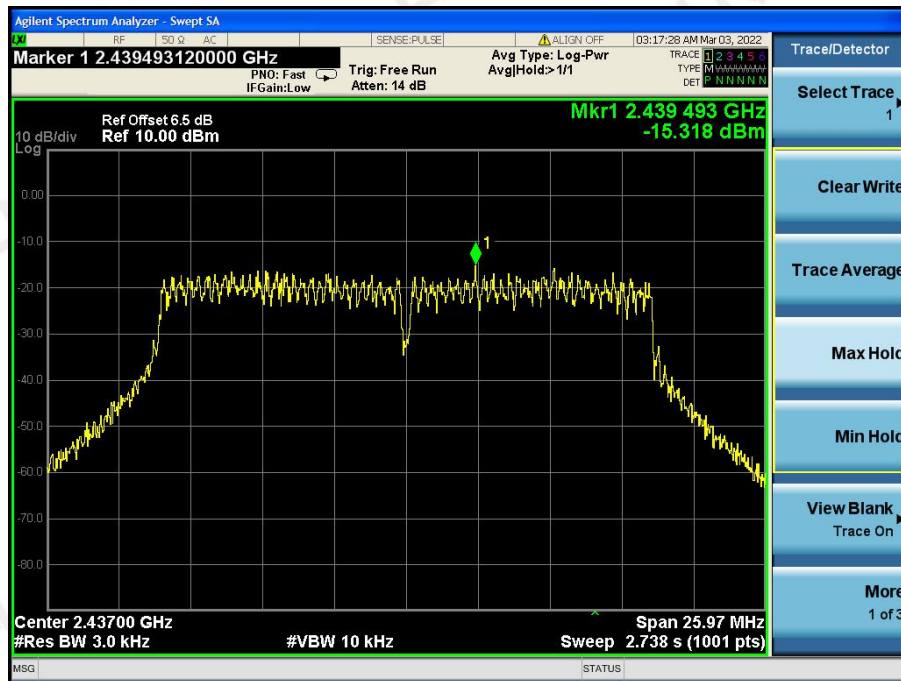
EUT:	ALL IN ONE	Model Name :	1786AIO
Temperature:	25 °C	Relative Humidity:	60%
Pressure:	1010 hPa	Test Voltage :	DC 7.4V
Test Mode :	CH01 / CH06/ CH11 (802.11n20 Data rate 6.5Mbps)		
Test Date :	2022-03-03		

Test Channel	Frequency (MHz)	Power Density (dBm)	LIMIT (dBm)
CH01	2412 MHz	-13.551	5.99
CH06	2437 MHz	-15.318	5.99
CH11	2462 MHz	-16.574	5.99

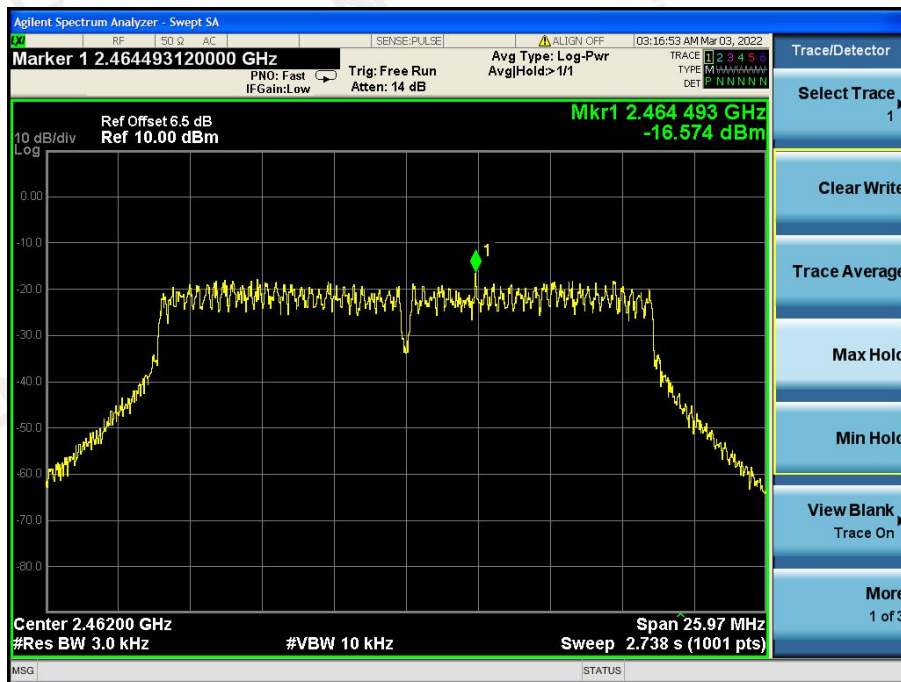
CH01



CH06



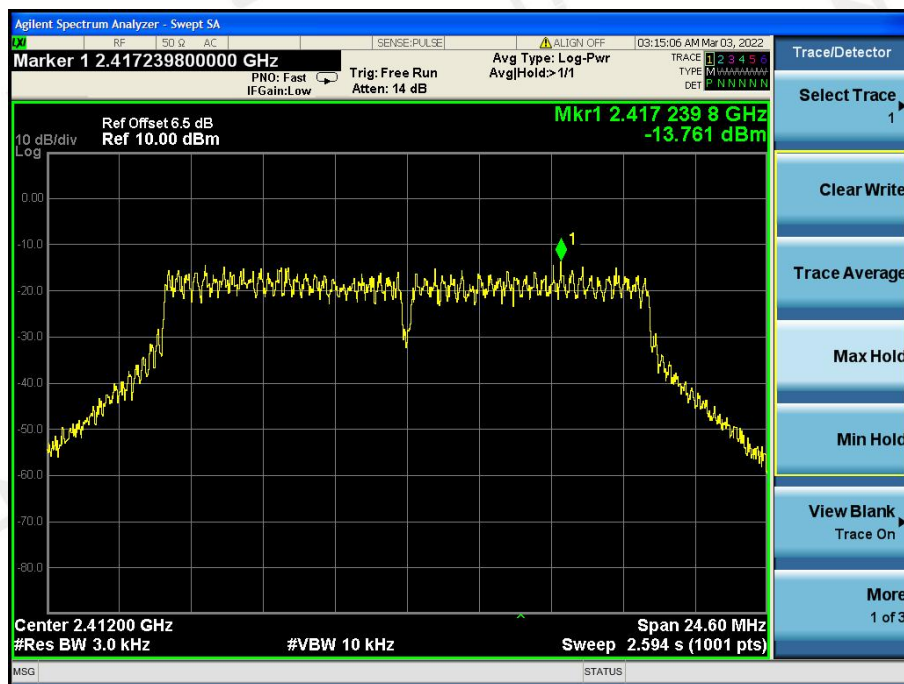
CH11



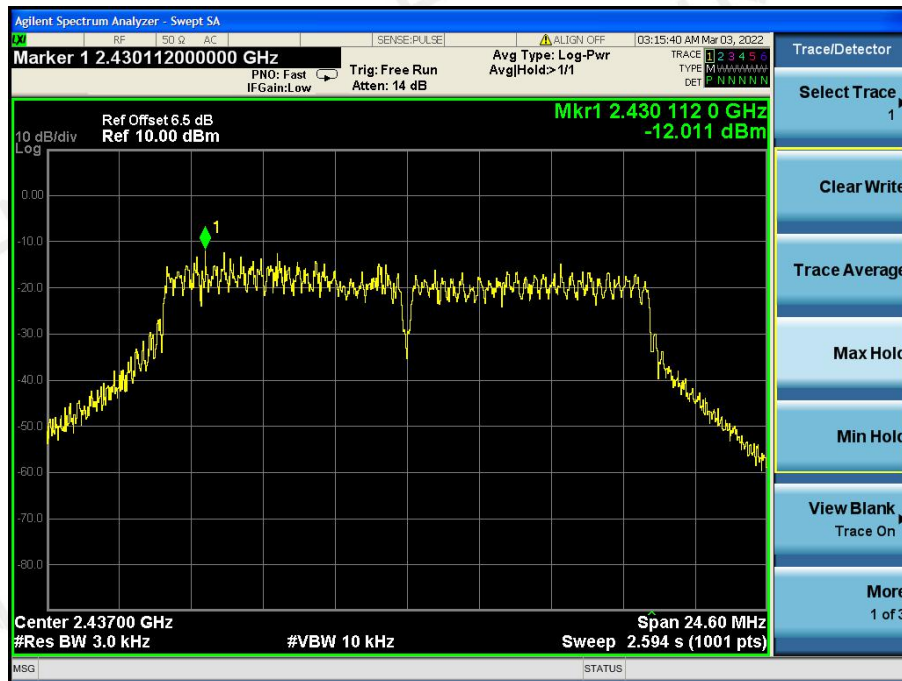
EUT:	ALL IN ONE	Model Name :	1786AIO
Temperature:	25 °C	Relative Humidity:	60%
Pressure:	1010 hPa	Test Voltage :	DC 7.4V
Test Mode :	CH03 / CH06/ CH09 (802.11n40 Data rate 13.5Mbps)		
Test Date :	2022-03-03		

Test Channel	Frequency (MHz)	Power Density (dBm)	LIMIT (dBm)
CH01	2422 MHz	-13.761	8
CH06	2437 MHz	-12.011	8
CH11	2452 MHz	-15.916	8

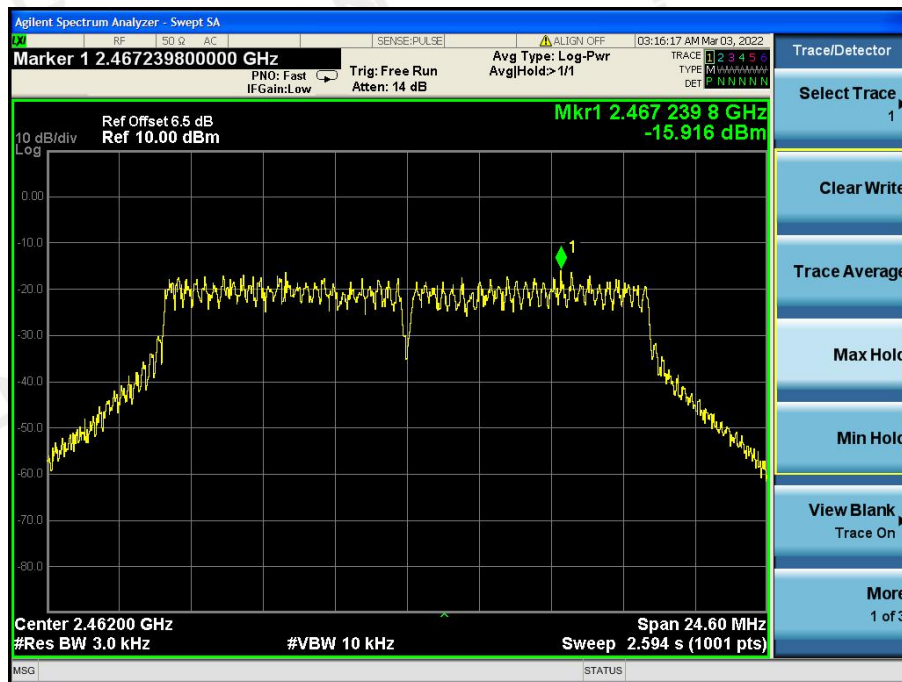
CH03



CH06



CH09



7 PEAK OUTPUT POWER

7.1 TEST LIMIT

FCC Part15(15.247), Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(b)(3)	Peak Output Power	1 watt or 30dBm	2400-2483.5	PASS

7.2 TEST PROCEDURE

1. The EUT was directly connected to the Power meter.

7.3 TEST SETUP



7.4 TEST RESULT

PASS

EUT:	ALL IN ONE	Model Name :	1786AIO
Temperature:	25 °C	Relative Humidity:	60%
Pressure:	1010 hPa	Test Voltage :	DC 7.4V
Test Mode :	CH01/ CH06 /CH11 (802.11b Data rate 1Mbps)		
Test Date :	2022-03-03		

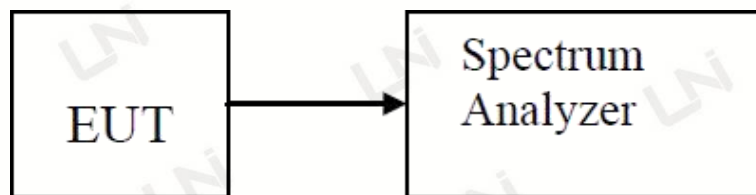
Test Channel	Frequency (MHz)	Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
802.11b				
CH01	2412 MHz	9.53	30	1
CH06	2437MHz	9.45	30	1
CH11	2462 MHz	9.32	30	1
802.11g				
CH01	2412 MHz	9.52	30	1
CH06	2437MHz	9.62	30	1
CH11	2462 MHz	9.52	30	1
802.11n20				
CH01	2412 MHz	8.63	30	1
CH06	2437MHz	8.23	30	1
CH11	2462 MHz	8.52	30	1
CH03	2422 MHz	8.54	30	1
CH06	2437MHz	8.43	30	1
CH09	2452 MHz	8.45	30	1

8 OUT OF BAND EMISSIONS

8.1 TEST LIMIT

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

8.2 TEST SETUP



8.3 TEST PROCEDURE

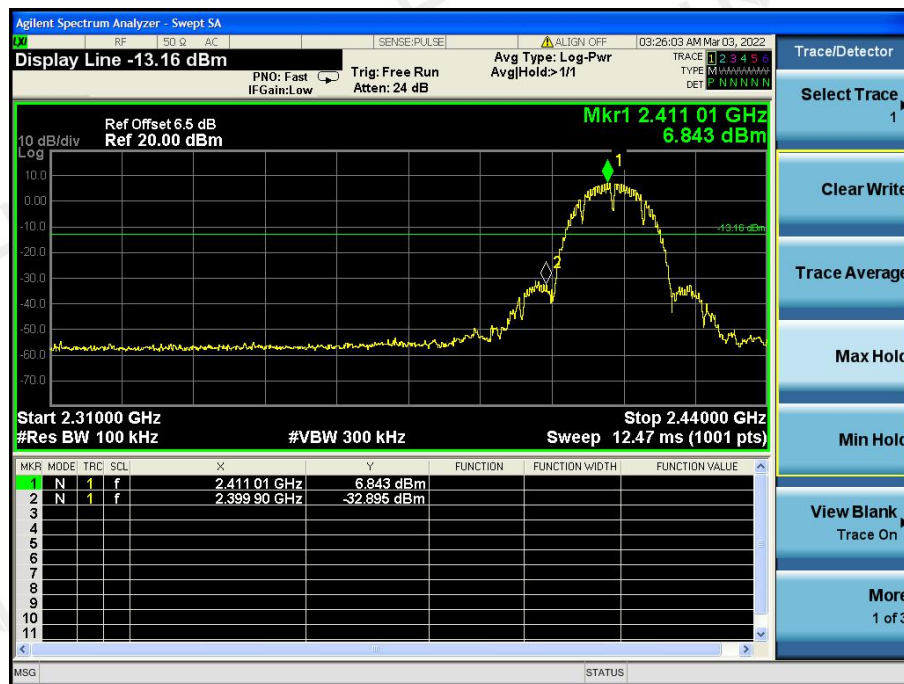
1. Set EUT as TX operation and connect directly to the spectrum analyzer.
2. Based on FCC Part15 C Section 15.247: RBW=100kHz, VBW=300kHz.
3. Set detected by the spectrum analyzer with peak detector.

8.4 TEST RESULT

PASS

EUT:	ALL IN ONE	Model Name :	1786AIO
Temperature:	25 °C	Relative Humidity:	60%
Pressure:	1010 hPa	Test Voltage :	DC 7.4V
Test Mode :	CH01/ CH11 (802.11b Data rate 1Mbps)		
Test Date :	2022-03-03		

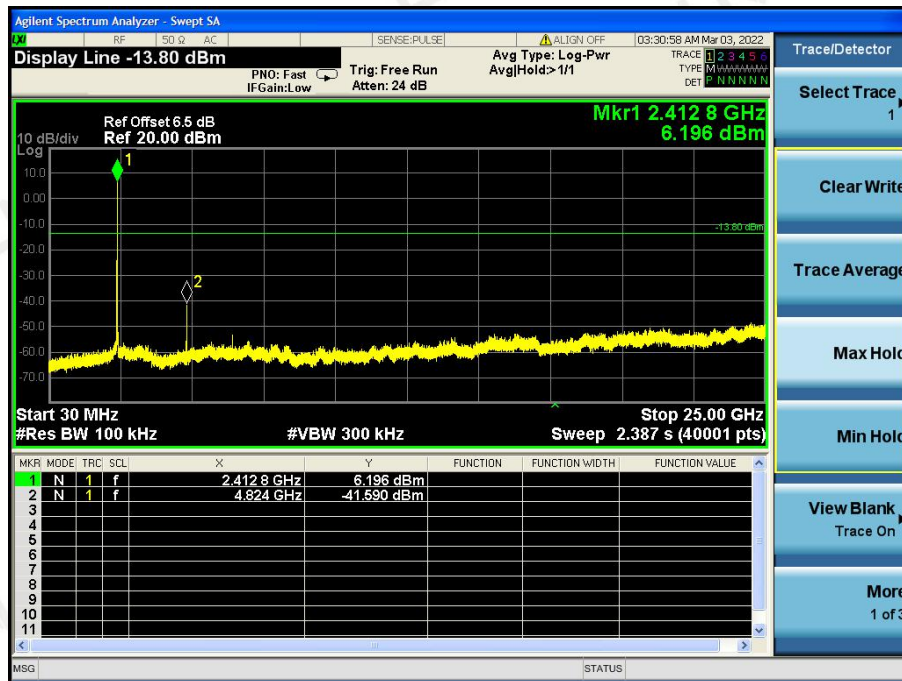
CH01 (Lower)



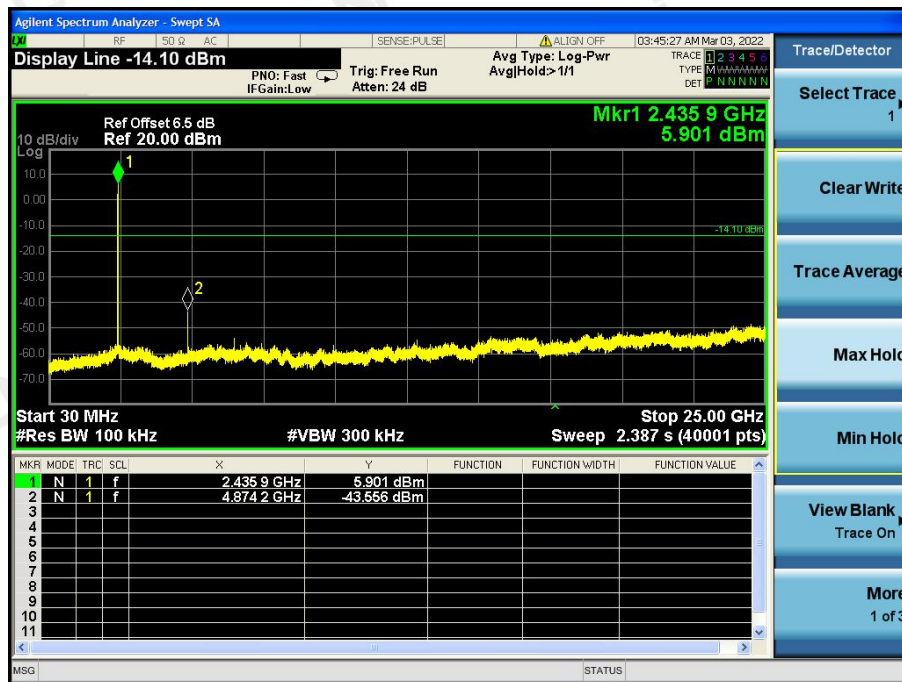
CH 11(Upper)



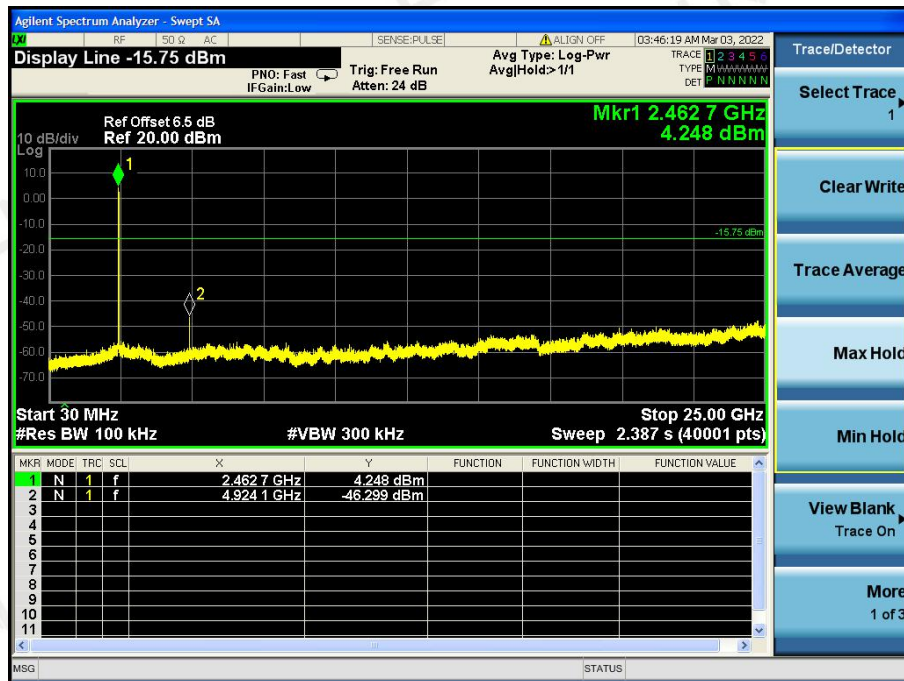
CH01



CH06



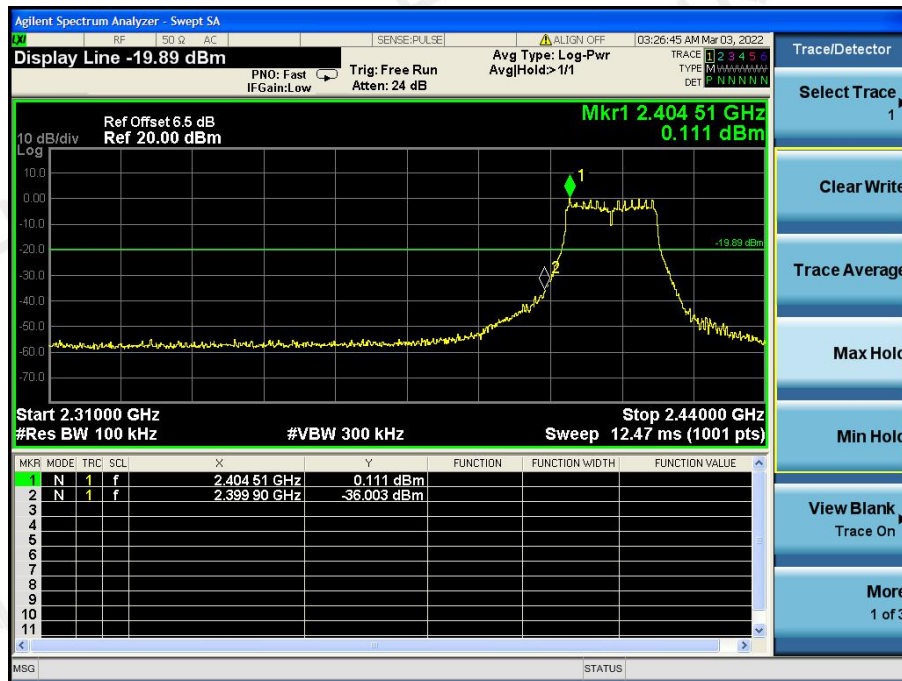
CH11



EUT:	ALL IN ONE	Model Name :	1786AIO
Temperature:	25 °C	Relative Humidity:	60%
Pressure:	1010 hPa	Test Voltage :	DC 7.4V
Test Mode :	CH01/ CH11 (802.11g Data rate 6Mbps)		
Test Date :	2022-03-03		

in any 100kHz bandwidth outside the low frequency band	in any 100 kHz bandwidth outside the high frequency band
Pass	Pass
Result	
In any 100kHz bandwidth outside the frequency band, the radio frequency power is at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power.	

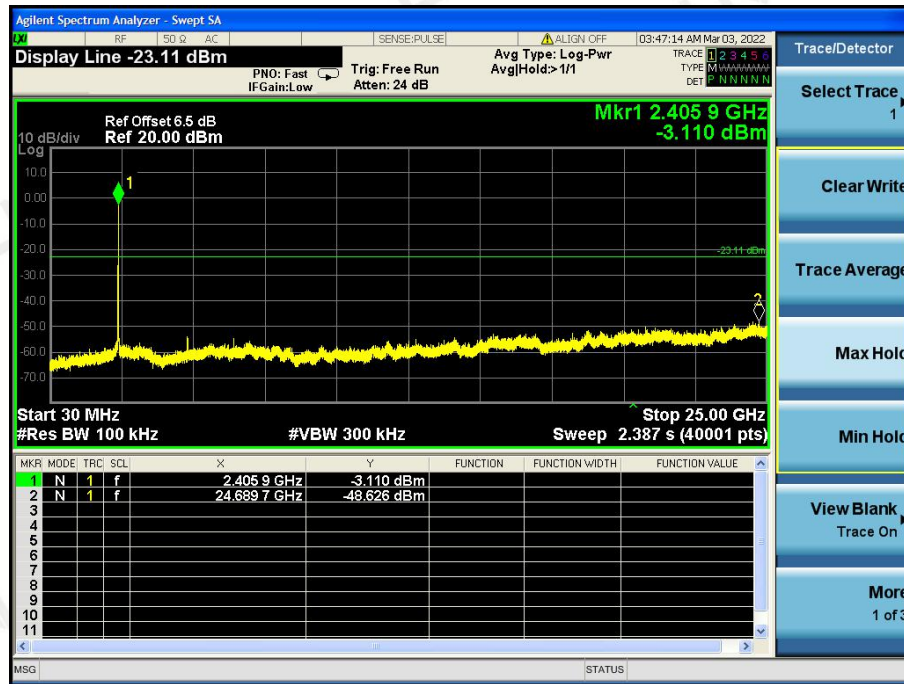
CH01 (Lower)



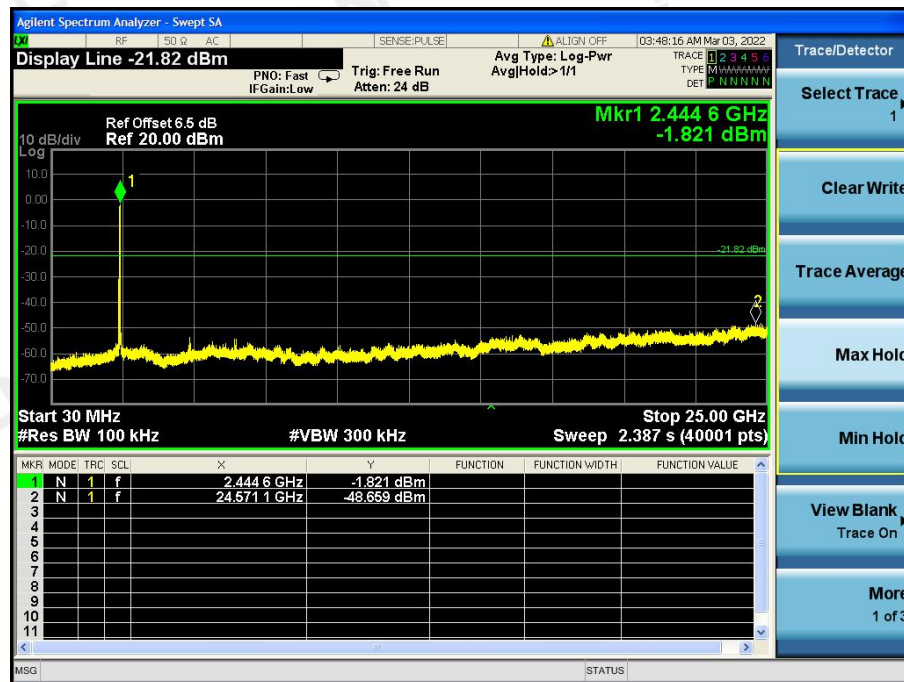
CH 11(Upper)



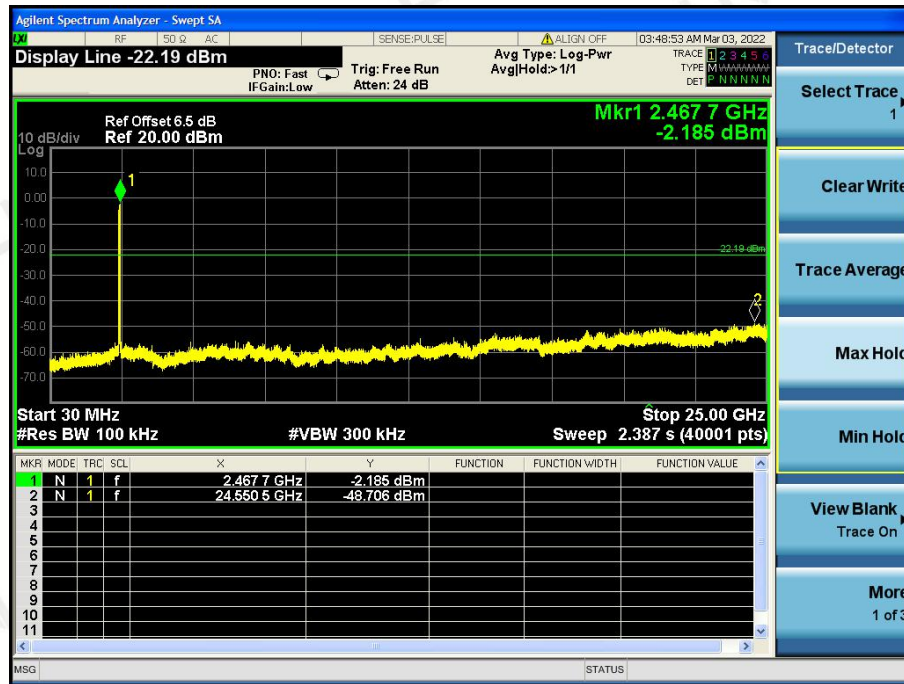
CH01



CH06



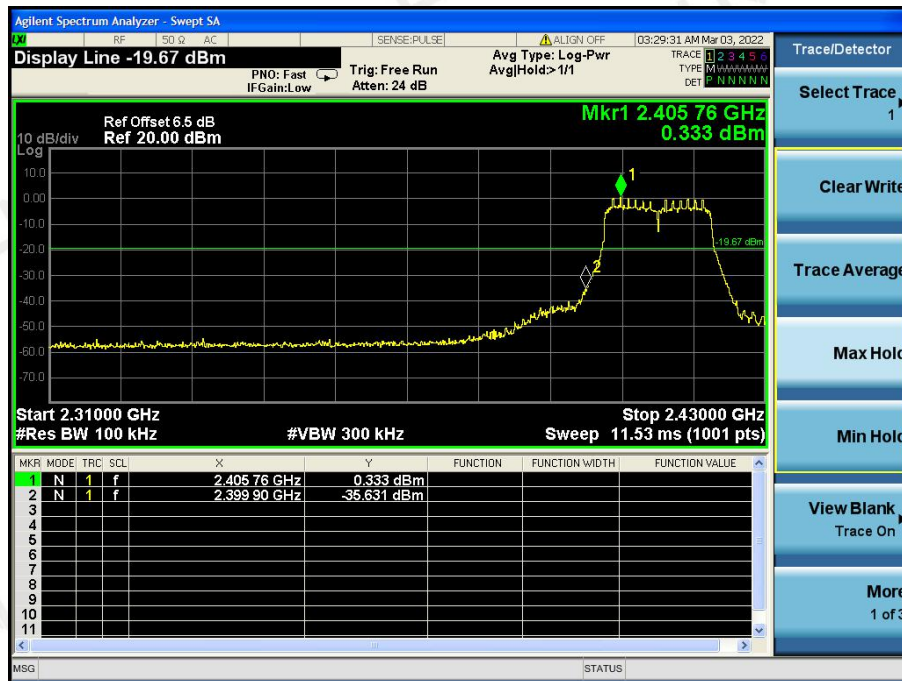
CH11



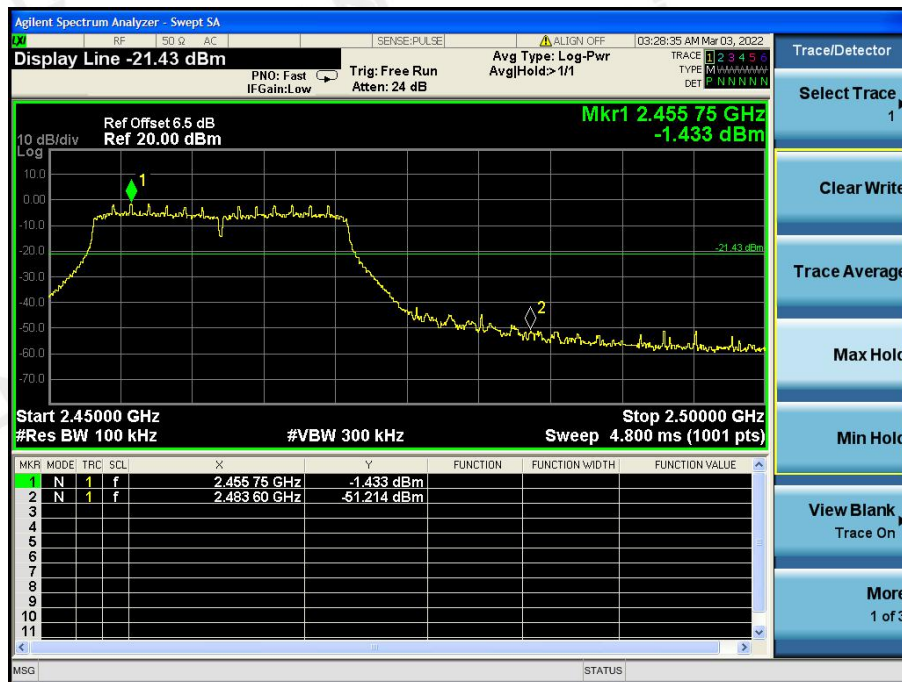
EUT:	ALL IN ONE	Model Name :	1786AIO
Temperature:	25 °C	Relative Humidity:	60%
Pressure:	1010 hPa	Test Voltage :	DC 7.4V
Test Mode :	CH01/ CH11 (802.11n20 Data rate 6.5Mbps)		
Test Date :	2022-03-03		

in any 100kHz bandwidth outside the low frequency band	in any 100 kHz bandwidth outside the high frequency band
Pass	Pass
Result	
In any 100kHz bandwidth outside the frequency band, the radio frequency power is at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power.	

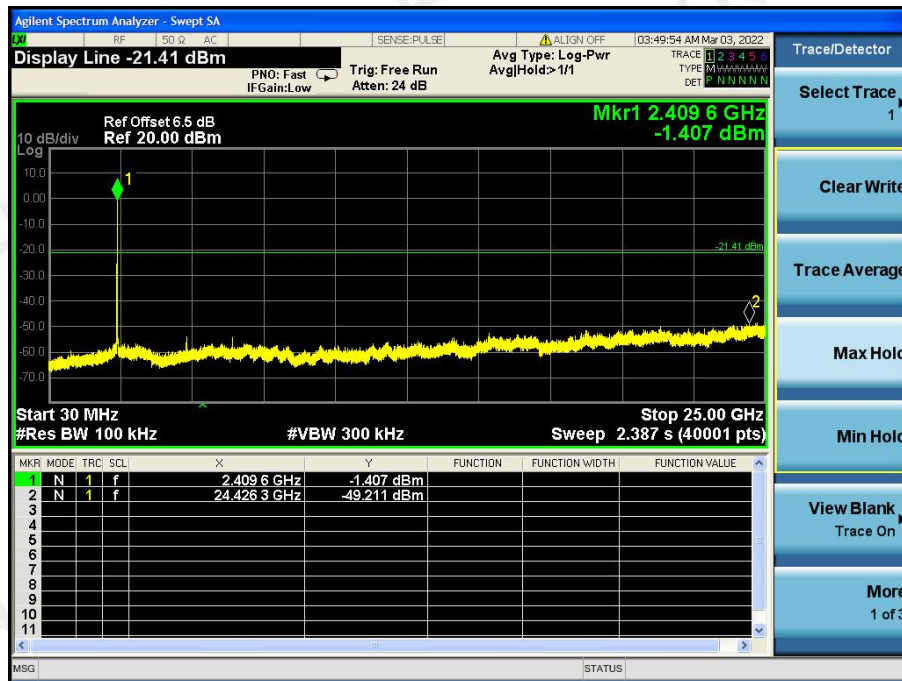
CH01 (Lower)



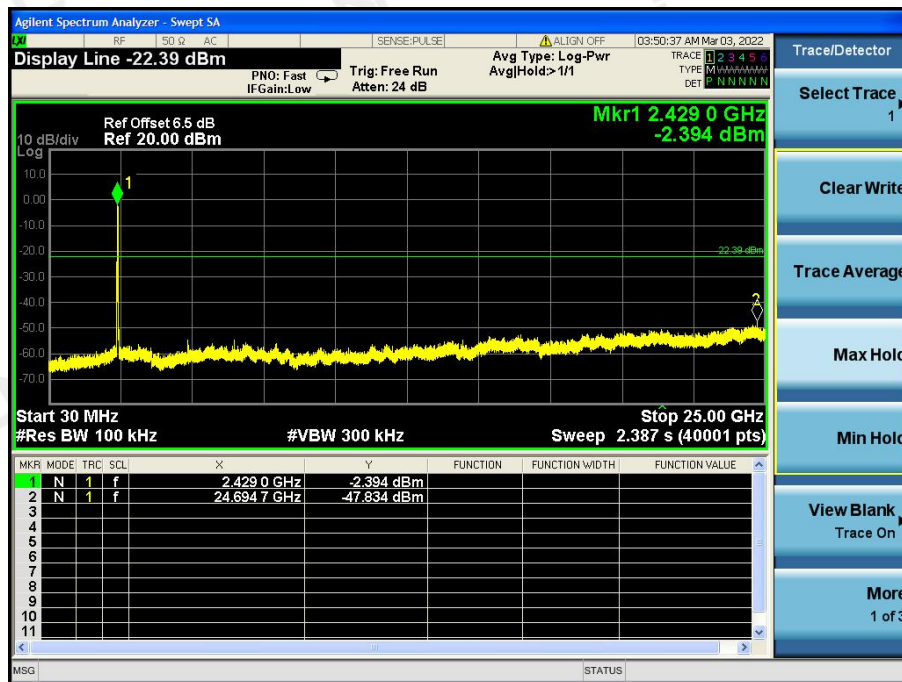
CH 11(Upper)



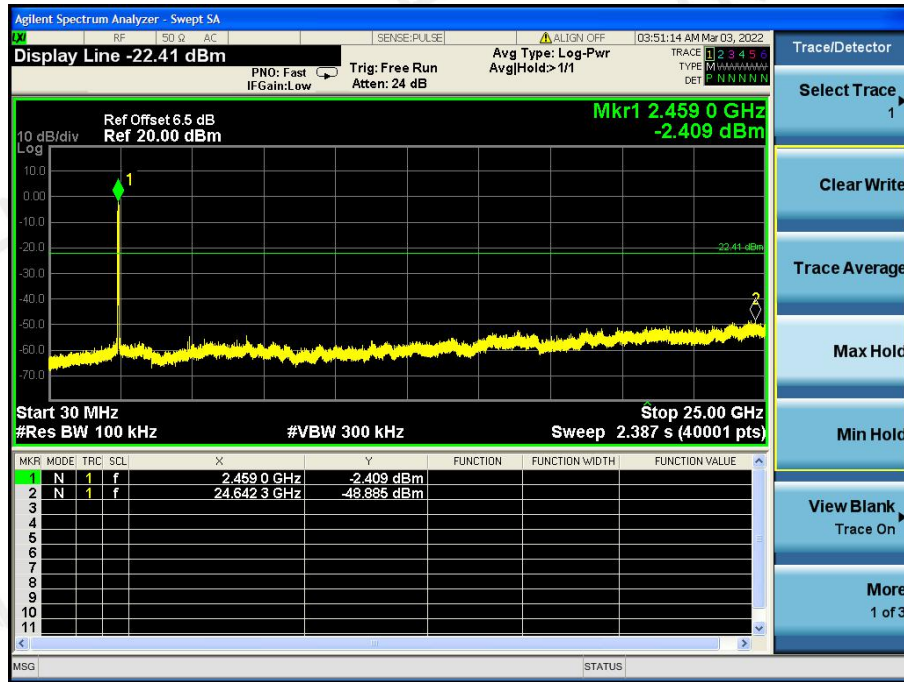
CH01



CH06



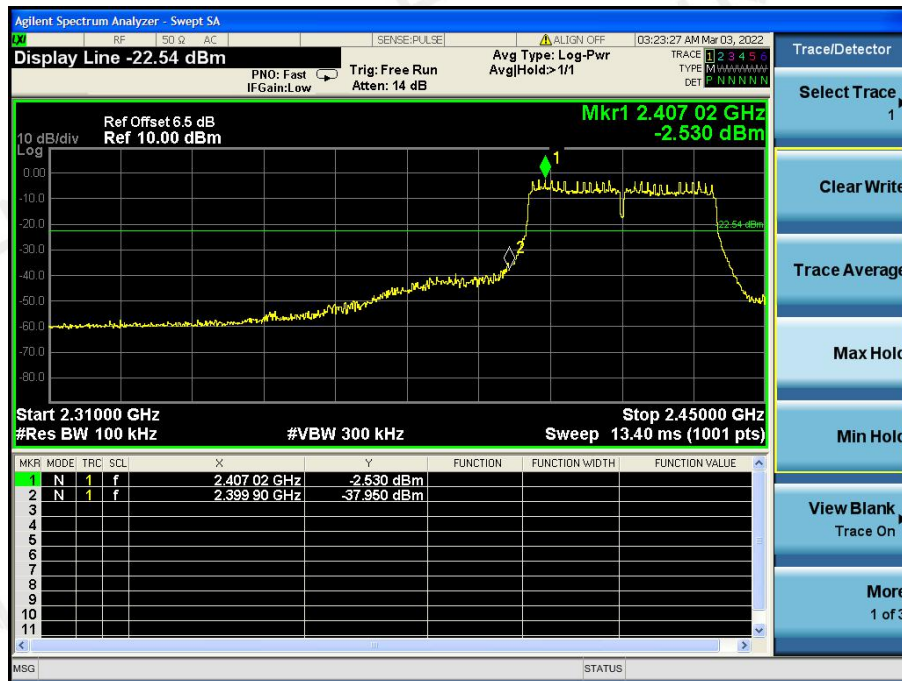
CH11



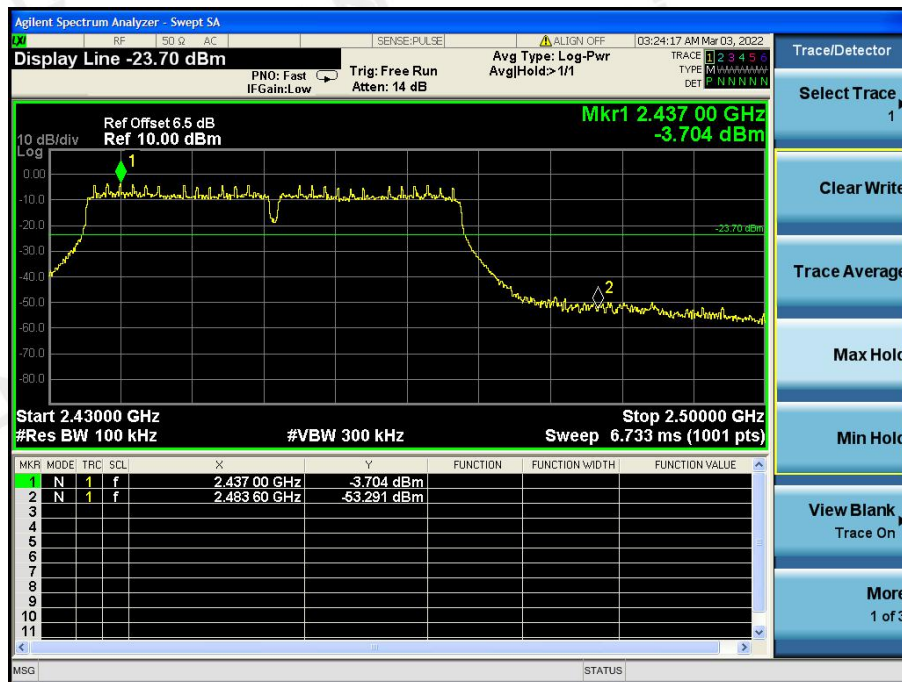
EUT:	ALL IN ONE	Model Name :	1786AIO
Temperature:	25 °C	Relative Humidity:	60%
Pressure:	1010 hPa	Test Voltage :	DC 7.4V
Test Mode :	CH03/ CH09 (802.11n40 Data rate 13.5Mbps)		
Test Date :	2022-03-03		

in any 100kHz bandwidth outside the low frequency band	in any 100 kHz bandwidth outside the high frequency band
Pass	Pass
Result	
In any 100kHz bandwidth outside the frequency band, the radio frequency power is at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power.	

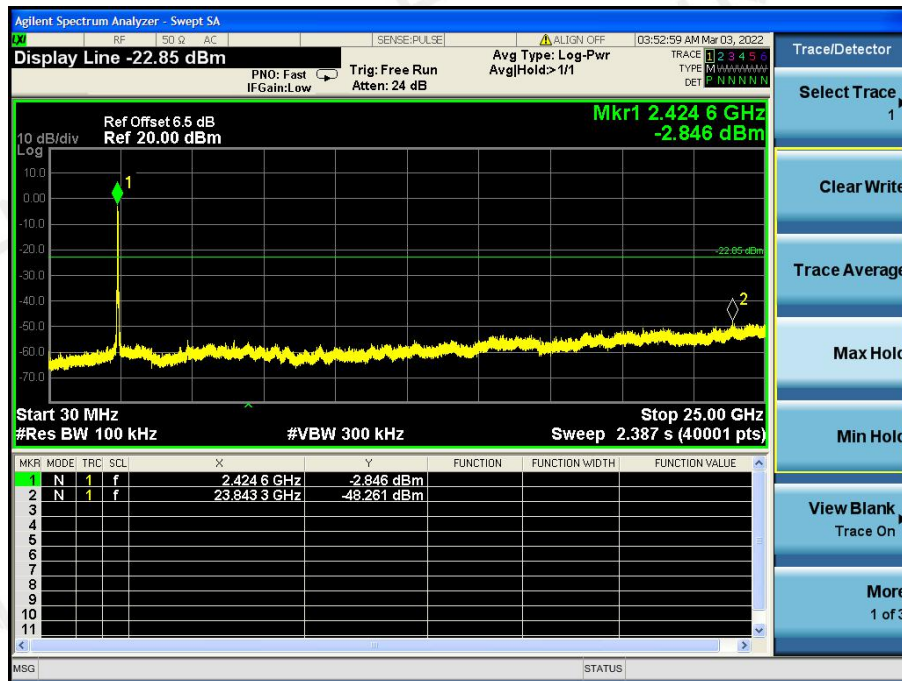
CH03 (Lower)



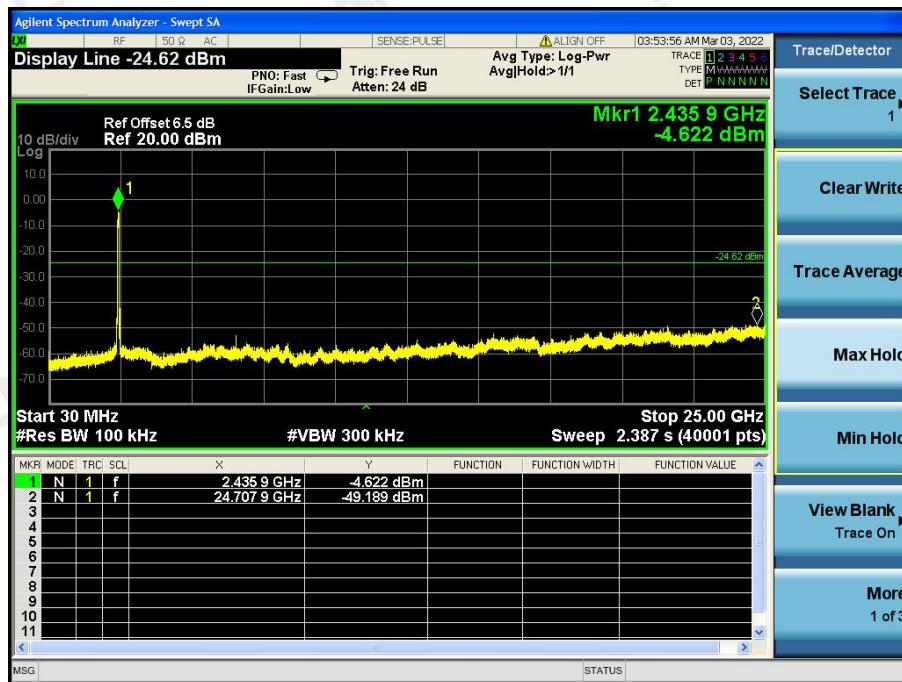
CH 09(Upper)



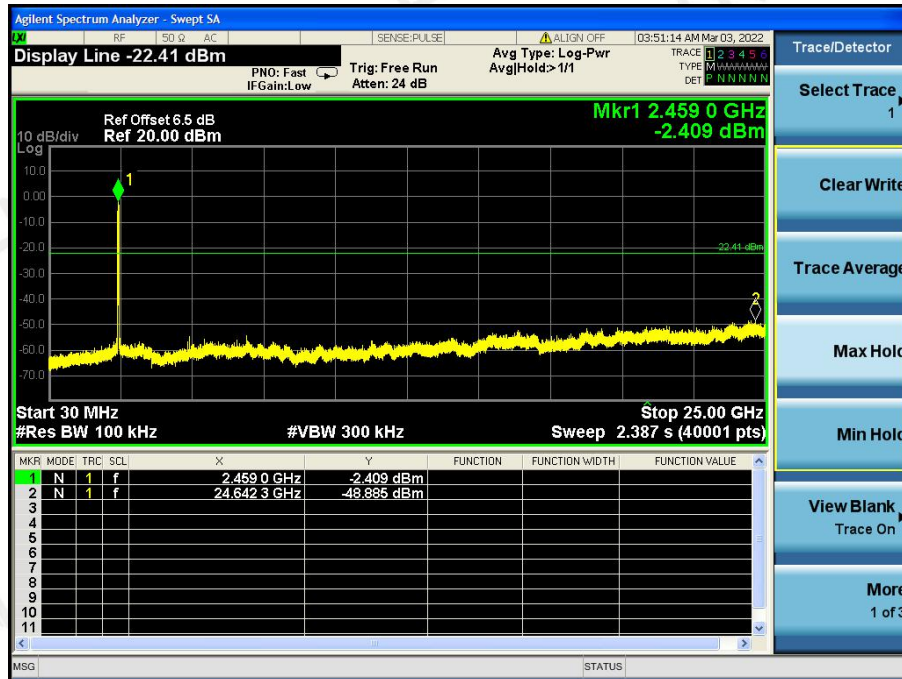
CH03



CH06



CH09



9 ANTENNA REQUIREMENT

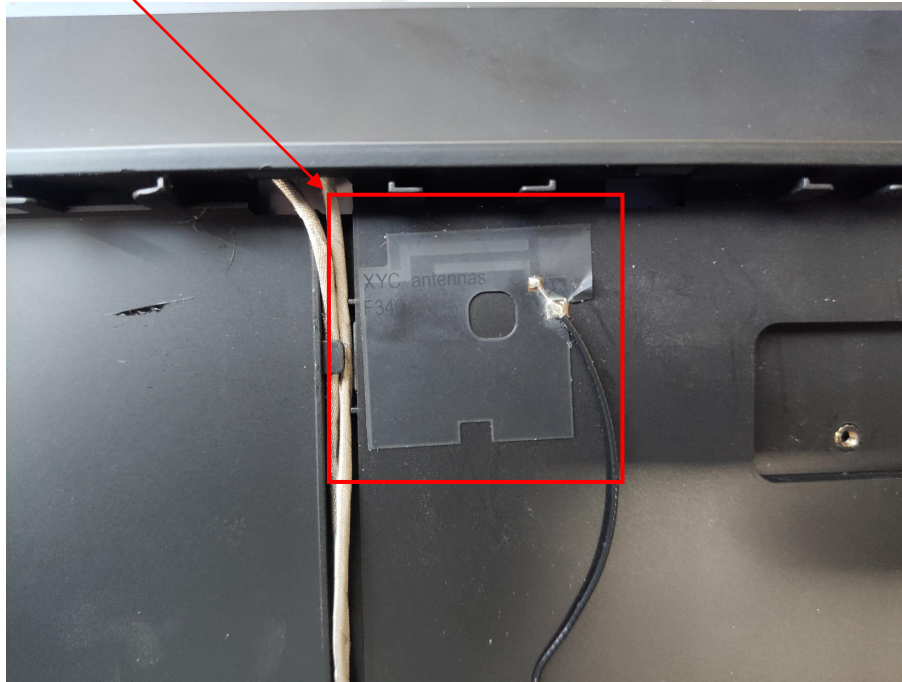
Standard Applicable:

For intentional device, according to FCC 47 CFR Section 15.203, 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.

Antenna Connected Construction

The antenna used in this product is an Internal Antenna, The directional gains of antenna used for transmitting is 2dBi.

ANTENNA:



10 PHOTO OF TEST

10.1 RADIATED EMISSION



10.1 CONDUCTED EMISSION



End of Report