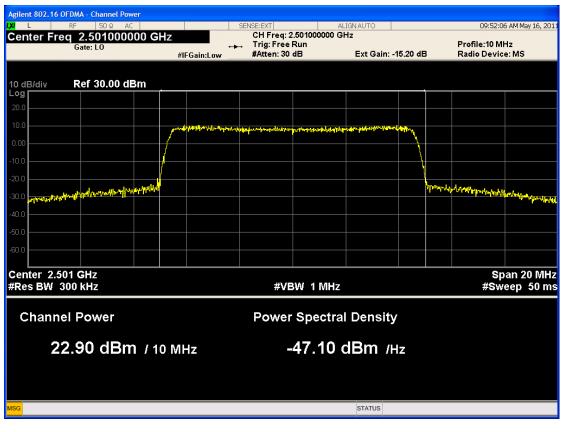
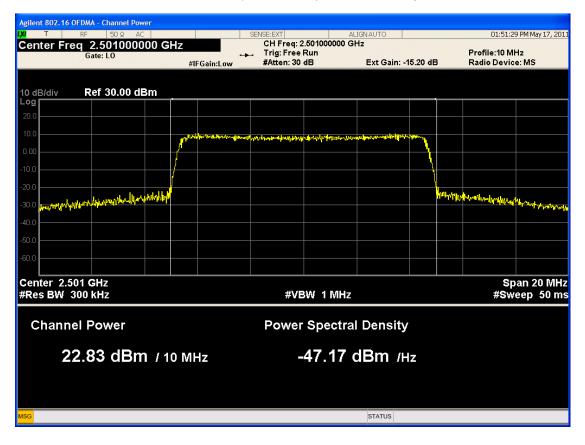


## ■ 16QAM MODE 1/2 (2501.0 MHz) Conducted Output Power



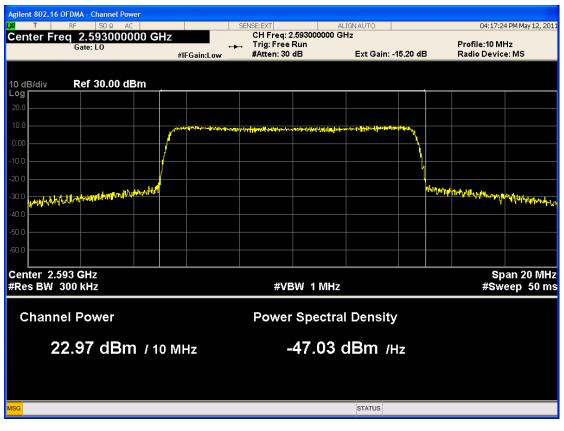
#### ■ 16QAM MODE 3/4 (2501.0 MHz) Conducted Output Power



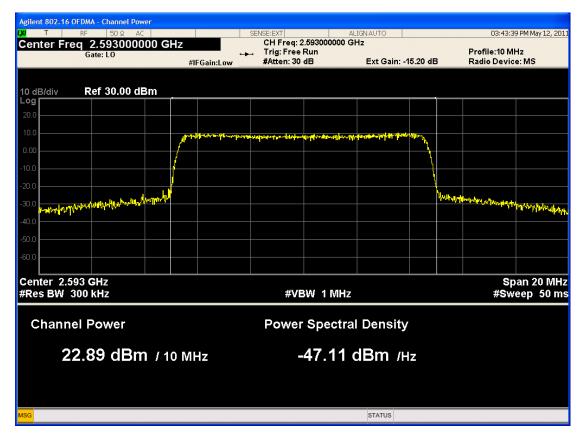
FCC CERTIFICATION REPORT			www.hct.co.kr
Test Report No. HCTR1106FR23	Date of Issue: June 15, 2011	EUT Type: USB Dongle	FCC ID: XHGU601



## ■ QPSK MODE 1/2 (2593.0 MHz) Conducted Output Power



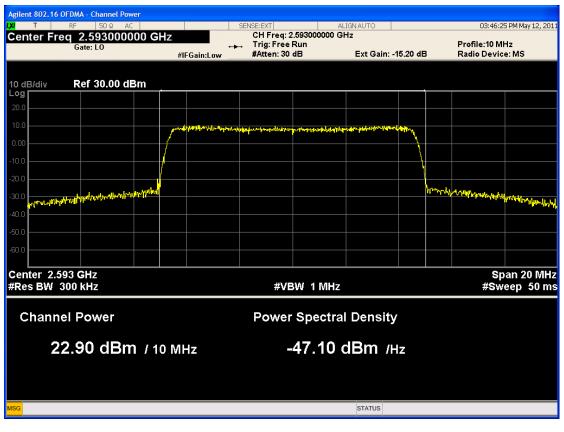
## QPSK MODE 3/4 (2593.0 MHz) Conducted Output Power



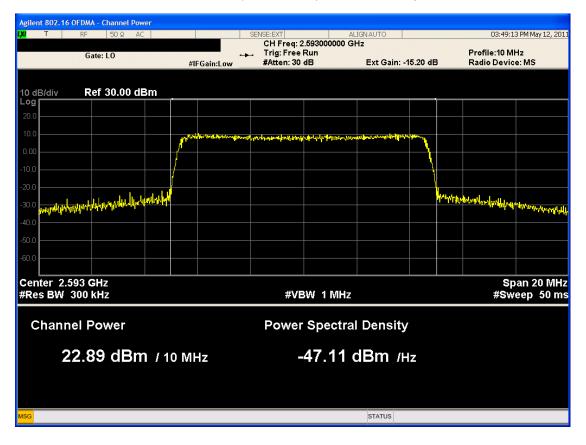
FCC CERTIFICATION REPORT			www.hct.co.kr
Test Report No. HCTR1106FR23	Date of Issue: June 15, 2011	EUT Type: USB Dongle	FCC ID: XHGU601



## ■ 16QAM MODE 1/2 (2593.0 MHz) Conducted Output Power



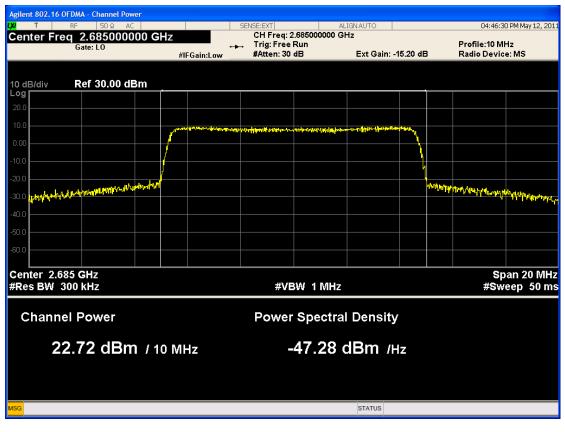
#### ■ 16QAM MODE 3/4 (2593.0 MHz) Conducted Output Power



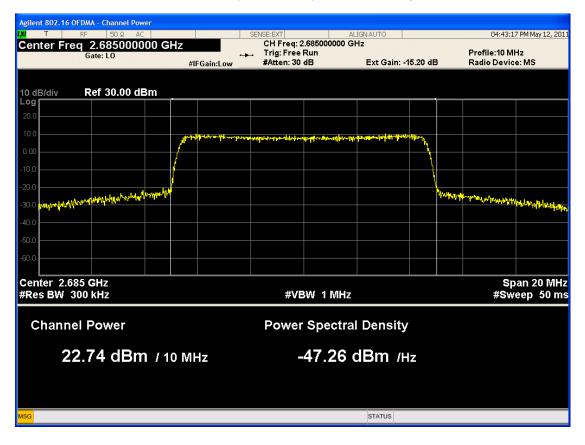
FCC CERTIFICATION REPORT			www.hct.co.kr
Test Report No. HCTR1106FR23	Date of Issue: June 15, 2011	EUT Type: USB Dongle	FCC ID: XHGU601



## ■ QPSK MODE 1/2 (2685.0 MHz) Conducted Output Power



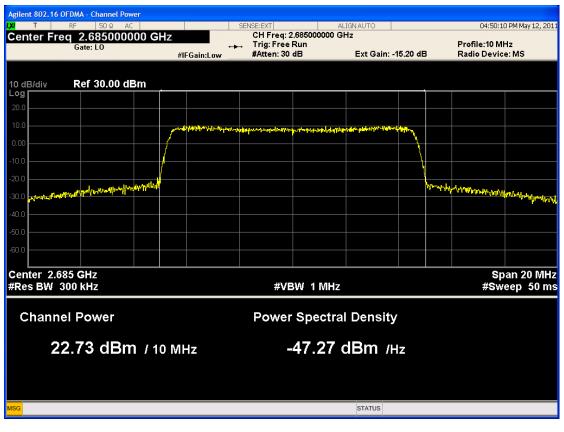
#### ■ QPSK MODE 3/4 (2685.0 MHz) Conducted Output Power



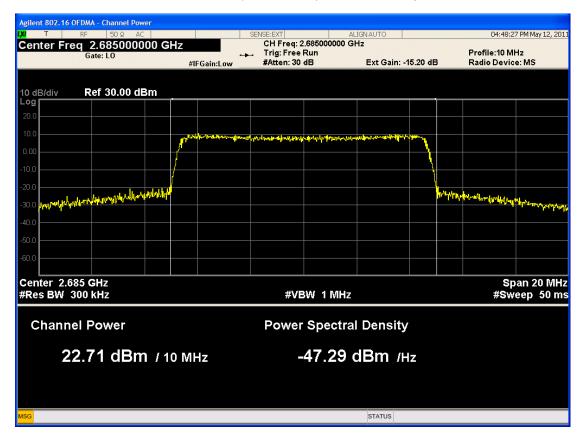
FCC CERTIFICATION REPORT			www.hct.co.kr
Test Report No. HCTR1106FR23	Date of Issue: June 15, 2011	EUT Type: USB Dongle	FCC ID: XHGU601



## ■ 16QAM MODE 1/2 (2685.0 MHz) Conducted Output Power



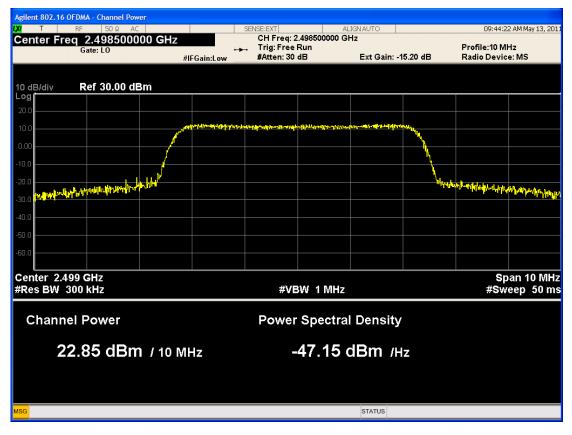
#### ■ 16QAM MODE 3/4 (2685.0 MHz) Conducted Output Power



FCC CERTIFICATION REPORT			www.hct.co.kr
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TX2: 5 MHz



## ■ QPSK MODE 1/2 (2498.5 MHz) Conducted Output Power

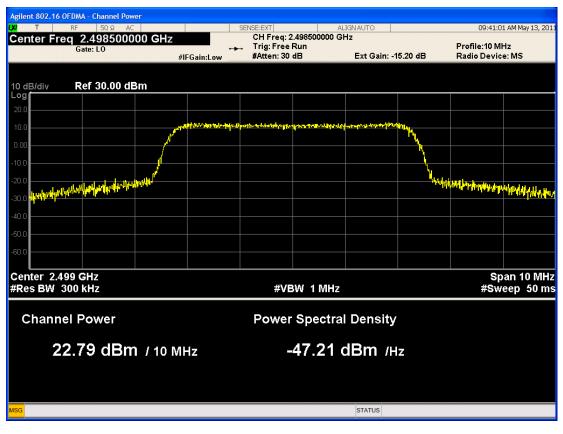
■ QPSK MODE 3/4 (2498.5 MHz) Conducted Output Power

ent 802.16 OFDMA - Channel Power Τ RF 50 Ω AC nter Freq 2.498500000 GH2		ALIGN AUTO q: 2.498500000 GHz		09:42:50 AM May 13, 201
Gate: LO	HIFGain:Low #Atten:		ain: -15.20 dB	Profile:10 MHz Radio Device: MS
lB/div Ref 30.00 dBm				
	and and the second s	and the second and the second	the Andrew Los	
<i>/</i>	<b>^</b>		\	
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here and the best bounded of			h	Minuplainded Jerth Company
welling a ray and she give the Ale hard and				a to only and wells with fully the solution
nter 2.499 GHz es BW 300 kHz	#	VBW 1 MHz		Span 10 MHz #Sweep 50 ms
Channel Power	Pow	er Spectral Dens	sity	
22.78 dBm / 10	MHz	-47.22 dBm	/Hz	
		STATU	8	
	C CERTIFICATION REPO	DT.		www.hc

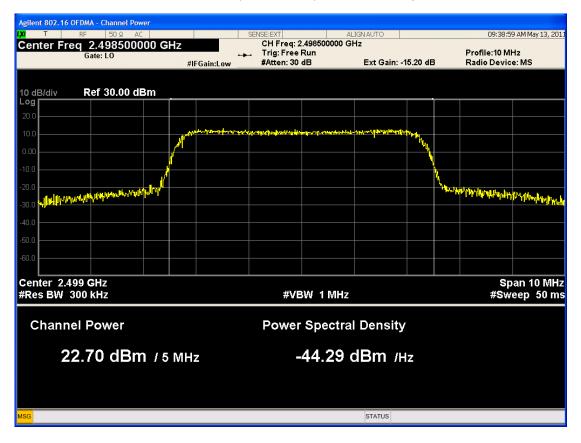
	www.hct.co.kr			
Test Report No. HCTR1106FR23	Date of Issue: June 15, 2011	EUT Type: USB Dongle	FCC ID: XHGU601	
Page 56 of 99				



## ■ 16QAM MODE 1/2 (2498.5 MHz) Conducted Output Power



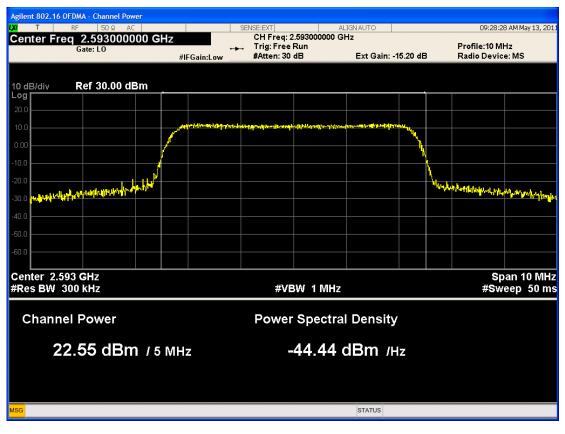
#### ■ 16QAM MODE 3/4 (2498.5 MHz) Conducted Output Power



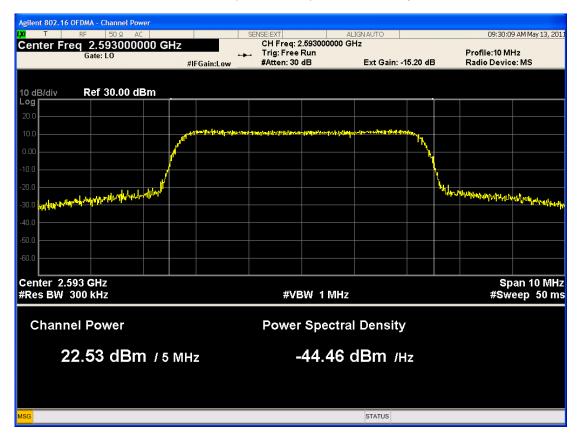
FCC CERTIFICATION REPORT			www.hct.co.kr
Test Report No. HCTR1106FR23	Date of Issue: June 15, 2011	EUT Type: USB Dongle	FCC ID: XHGU601



## ■ QPSK MODE 1/2 (2593.0 MHz) Conducted Output Power



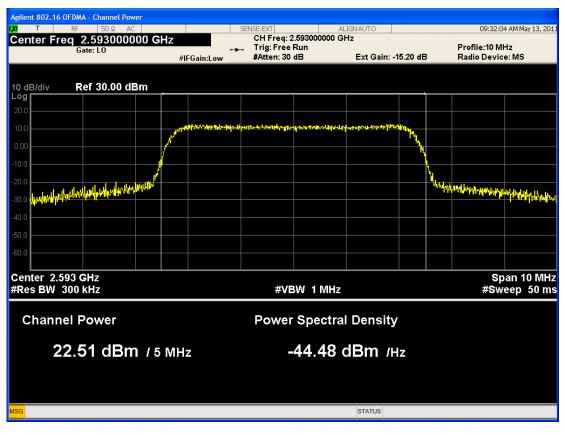
#### ■ QPSK MODE 3/4 (2593.0 MHz) Conducted Output Power



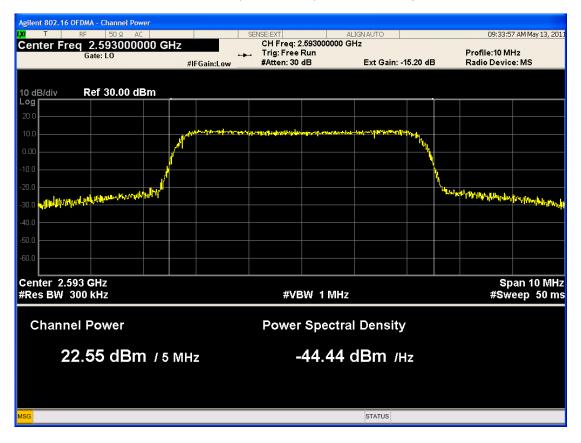
FCC CERTIFICATION REPORT			www.hct.co.kr
Test Report No. HCTR1106FR23	Date of Issue: June 15, 2011	EUT Type: USB Dongle	FCC ID: XHGU601



## ■ 16QAM MODE 1/2 (2593.0 MHz) Conducted Output Power



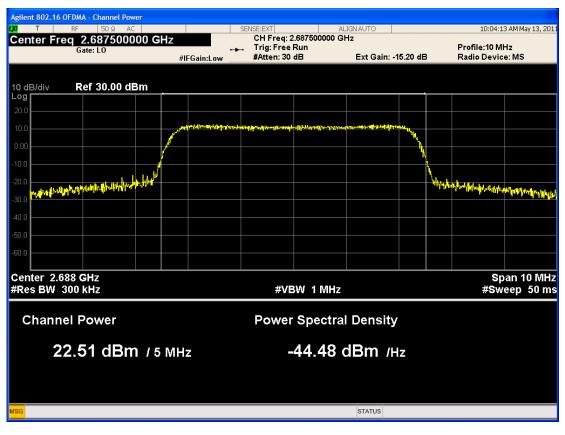
#### ■ 16QAM MODE 3/4 (2593.0 MHz) Conducted Output Power



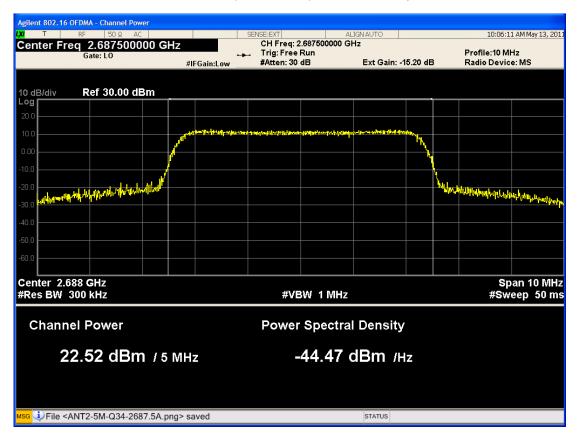
FCC CERTIFICATION REPORT			www.hct.co.kr
Test Report No. HCTR1106FR23	Date of Issue: June 15, 2011	EUT Type: USB Dongle	FCC ID: XHGU601



## ■ QPSK MODE 1/2 (2687.5 MHz) Conducted Output Power



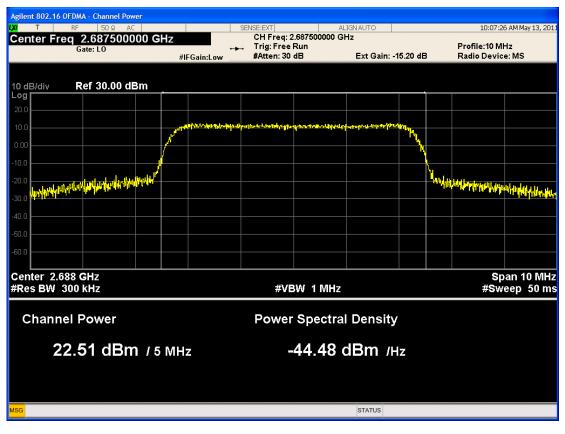
#### ■ QPSK MODE 3/4 (2687.5 MHz) Conducted Output Power



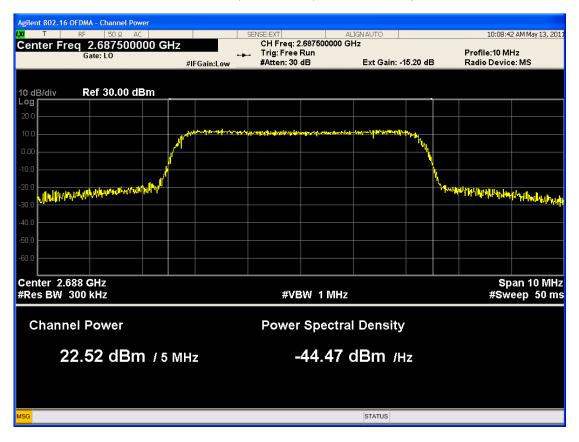
FCC CERTIFICATION REPORT			www.hct.co.kr	
Test Report No. HCTR1106FR23	Date of Issue: June 15, 2011	EUT Type: USB Dongle	FCC ID: XHGU601	



## ■ 16QAM MODE 1/2 (2687.5 MHz) Conducted Output Power



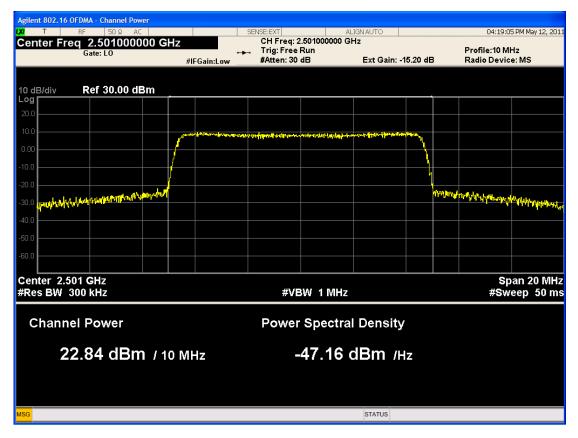
#### ■ 16QAM MODE 3/4 (2687.5 MHz) Conducted Output Power



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10 MHz



## ■ QPSK MODE 1/2 (2501.0 MHz) Conducted Output Power

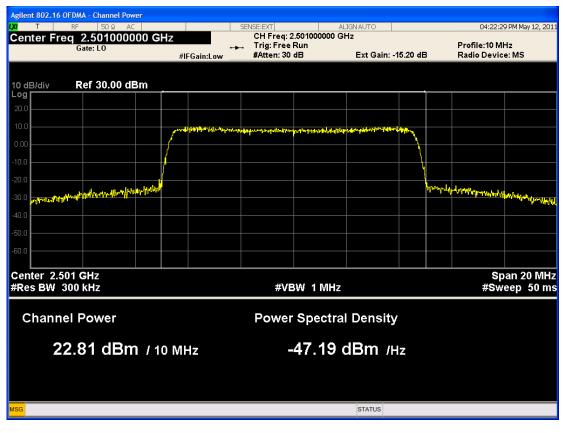
#### ■ QPSK MODE 3/4 (2501.0 MHz) Conducted Output Power

gilent 802.16	OFDMA - Channel Power RF 50 Ω AC	,		SENSE:EXT	AI	IGNAUTO			04:20:5	5 PM May 12, 2011
enter Fre	eq 2.50100000 Gate: L0		-Gain:Low			Hz Ext Gain: -1	15.20 dE	3	Profile:10 M Radio Devic	Hz
0 dB/div og	Ref 30.00 dBr	n								
0.0										
.0			มีสุขรายประชาญ	unperent destant	qı pil-rədorvan bəvə tak	ġ₽⋳ <mark>⋬⋳</mark> ₩∊ <mark>⋳</mark> ⋧⋳⋏	Manne L			
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.0 .0 <mark>p-au/ati/</mark> #p/Y	yopontontypypersolution	her fr						₩₩₩₩₩₩	hup-raller theorem	mount
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Center 2.501 GHz Span 20 MHz #Res BW 300 kHz #Sweep 50 ms										
Chann	el Power			Power	Spectral	Density				
22.82 dBm / 10 MHz -47.18 dBm /Hz										
i						STATUS				
		FCC C	ERTIFICATI	ON REPORT	-					www.hc

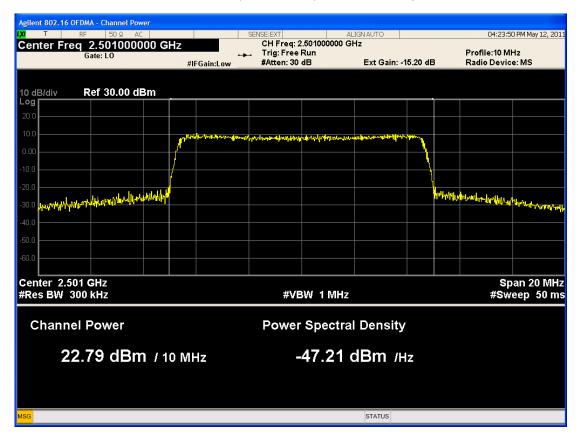
FCC CERTIFICATION REPORT				www.hct.co.kr	
Test Report No. HCTR1106FR23	Date of Issue: June 15, 2011	EUT Type: USB Dongle		FCC ID: XHGU601	
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## ■ 16QAM MODE 1/2 (2501.0 MHz) Conducted Output Power



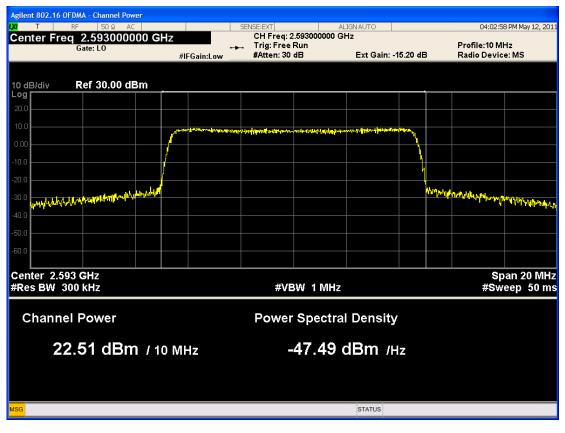
#### ■ 16QAM MODE 3/4 (2501.0 MHz) Conducted Output Power



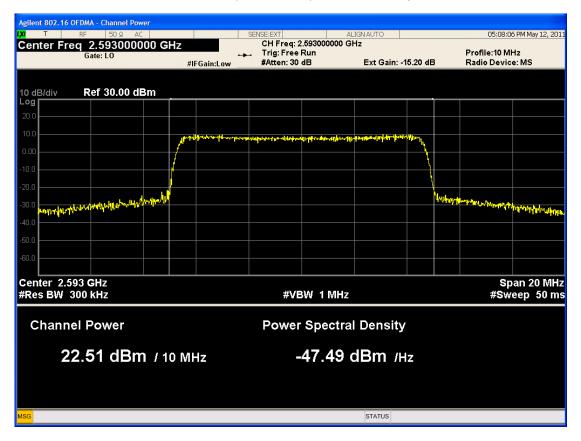
FCC CERTIFICATION REPORT			www.hct.co.kr	
Test Report No. HCTR1106FR23	Date of Issue: June 15, 2011	EUT Type: USB Dongle	FCC ID: XHGU601	



## ■ QPSK MODE 1/2 (2593.0 MHz) Conducted Output Power



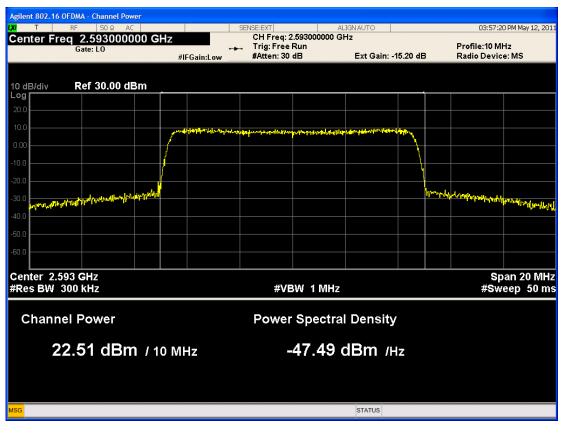
#### ■ QPSK MODE 3/4 (2593.0 MHz) Conducted Output Power



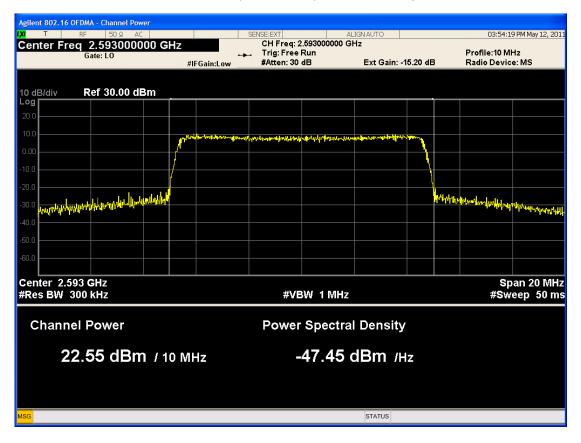
	www.hct.co.kr			
Test Report No. HCTR1106FR23	Date of Issue: June 15, 2011	EUT Type: USB Dongle	FCC ID: XHGU601	



## ■ 16QAM MODE 1/2 (2593.0 MHz) Conducted Output Power



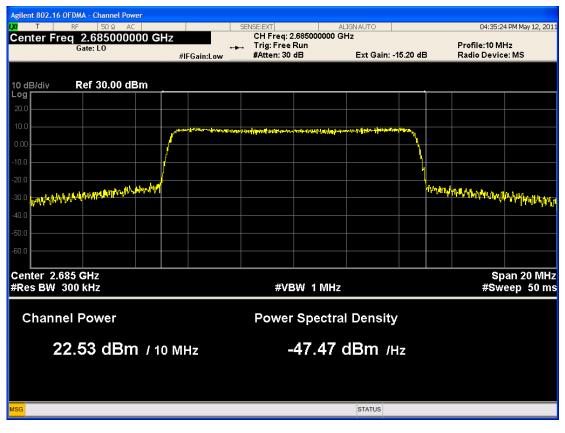
#### ■ 16QAM MODE 3/4 (2593.0 MHz) Conducted Output Power



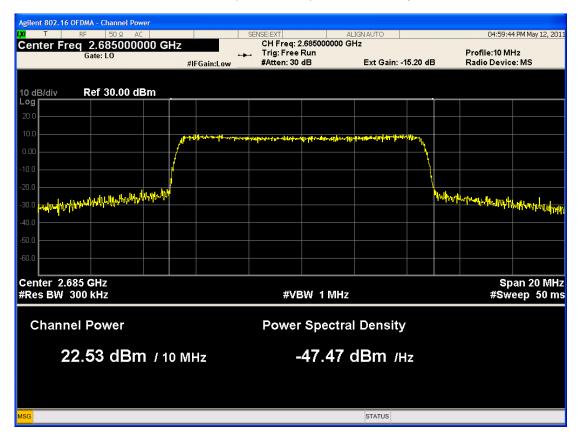
FCC CERTIFICATION REPORT			www.hct.co.kr	
Test Report No. HCTR1106FR23	Date of Issue: June 15, 2011	EUT Type: USB Dongle	FCC ID: XHGU601	



## ■ QPSK MODE 1/2 (2685.0 MHz) Conducted Output Power



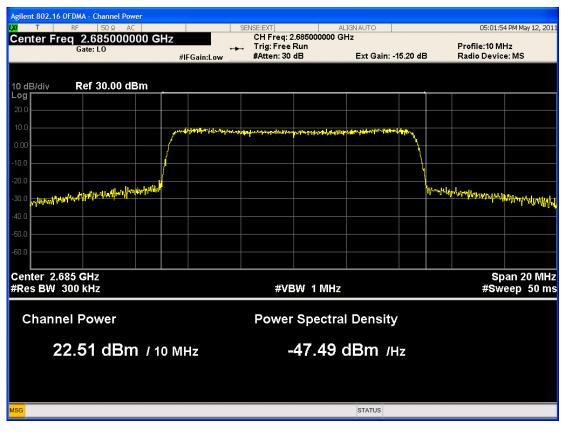
#### ■ QPSK MODE 3/4 (2685.0 MHz) Conducted Output Power



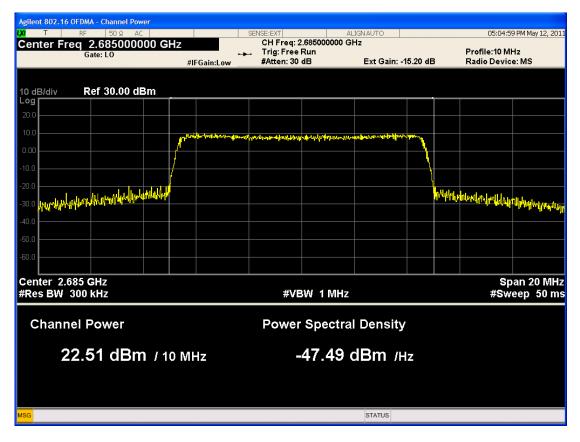
FCC CERTIFICATION REPORT			www.hct.co.kr	
Test Report No. HCTR1106FR23	Date of Issue: June 15, 2011	EUT Type: USB Dongle	FCC ID: XHGU601	



## ■ 16QAM MODE 1/2 (2685.0 MHz) Conducted Output Power



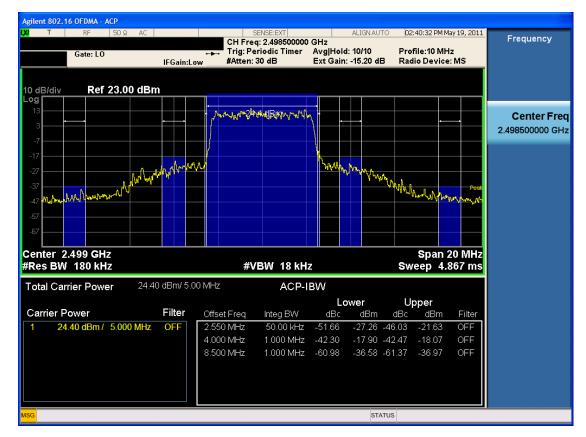
#### ■ 16QAM MODE 3/4 (2685.0 MHz) Conducted Output Power



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Test Report No. HCTR1106FR23	Date of Issue: June 15, 2011	EUT Type: USB Dongle	FCC ID: XHGU601	

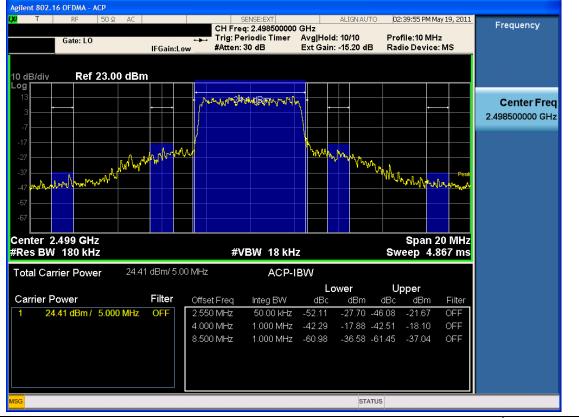


5 MHz



### QPSK MODE 1/2 (2498.5 MHz) Channel Edge

QPSK MODE 3/4 (2498.5 MHz) Channel Edge



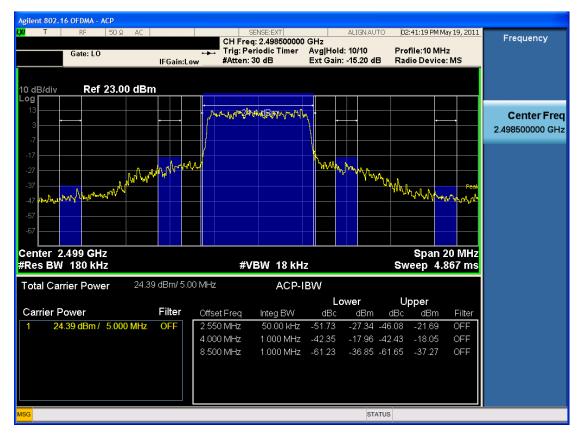
	www.hct.co.kr			
Test Report No. HCTR1106FR23	Date of Issue: June 15, 2011	EUT Type: USB Donale	FCC ID: XHGU601	



## 



# 16QAM MODE 3/4 (2498.5 MHz) Channel Edge



	www.hct.co.kr			
Test Report No. HCTR1106FR23	Date of Issue: June 15, 2011	EUT Type: USB Dongle	FCC ID: XHGU601	

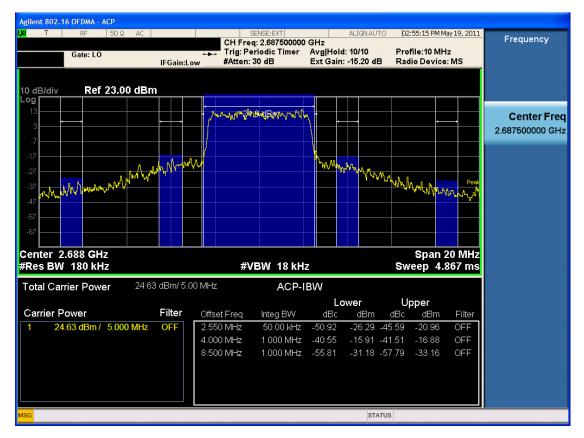


#### gilent 802.16 OFDMA - ACP 02:54:47 PM May 19, 2011 ALIGN AUTO Frequency CH Freq: 2.687500000 GHz Trig: Periodic Timer Avg|Hold: 10/10 #Atten: 30 dB Ext Gain: -15.20 dB Profile:10 MHz Gate: LO #Atten: 30 dB Radio Device: MS IFGain:Low 10 dB/div Ref 23.00 dBm <mark>∿୷<sub>୰୶୳୵</sub>୷୲</mark>୴ୢ<mark>ଌ</mark>ୖ<sup>୲</sup>୳୲®୶ୡ<mark>ୄ</mark><mark>ୄ</mark>Eୡ୲୶ଡ଼୵<sub>୵</sub>୕୷୲ୖ୳ୗୢ୶ **Center Freq** 2.687500000 GHz and the state of t N ₩\/4 m Mr. Yer why way have De WWW a.h. WWW Span 20 MHz Sweep 4.867 ms Center 2.688 GHz #Res BW 180 kHz #VBW 18 kHz 24.64 dBm/ 5.00 MHz ACP-IBW **Total Carrier Power** Upper Lower Carrier Power Filter Offset Freq Integ BW dBc dBm dBc dBm Filter 24.64 dBm / 5.000 MHz -26.17 -45.60 50.00 kHz 2 550 MHz -50.80 -20.96 OFF OFF 4.000 MHz 1.000 MHz -40.55 OFF 8.500 MHz 1.000 MHz -55.39 -30.76 -57.90 -33.26 OFF

#### ■ QPSK MODE 1/2 (2687.5 MHz) Channel Edge

QPSK MODE 3/4 (2687.5 MHz) Channel Edge

STATUS



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Test Report No. HCTR1106FR23	Date of Issue: June 15, 2011	EUT Type: USB Dongle	FCC ID: XHGU601