

NCC 低功率射頻電機型式試驗報告

產品名稱(中文)	Intel® Wireless-AC 9560
型號	9560NGW
廠牌	Intel

申請者	Intel Mobile Communications France SAS
地址	Le Navigator B 505 route des Lucioles CS 70293 06905 Sophia Antipolis cedex

樣品日期	106年09月15日
報告發行日期	106年11月10日
報告號碼	1790208R-RFTWP47V00
報告版本	V1.0



本測試報告只針對受測產品有效。

本測試報告內之測試結果可藉由測試儀器設備之校正報告與本報告內所評估量測不確定度追溯至國家或國際標準不得使用本報告宣稱產品是由 TAF 或任何政府機構背書。

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低功率射頻電機量測報告

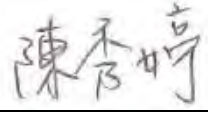
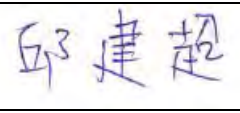
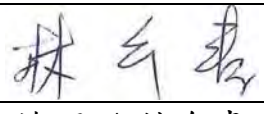
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申請者	Intel Mobile Communications France SAS
地址	Le Navigator B 505 route des Lucioles CS 70293 06905 Sophia Antipolis cedex
製造廠商	Intel Mobile Communications France SAS
待測物額定電壓	DC 3.3V
待測物測試電壓	DC 3.3V
商標或廠牌	Intel
型式號	9560NGW
試驗標準	低功率射頻電機技術規範(105 年 8 月)
試驗結果	符合

項次	量測項目	標稱規格	測試結果	量測設備	量測不確定度
1	天線之要求	低功率射頻電機技術規範 4.7.3 節及 4.7.8 節	PASS	--	--
2	峰值發射功率	低功率射頻電機技術規範 4.7.3 節	PASS	請參閱 2.2 節	請參閱 4.4 節
3	操作頻帶外的峰值發射	低功率射頻電機技術規範 4.7.4 節	PASS		請參閱 5.4 節
4	混附發射	低功率射頻電機技術規範 2.8 節及 4.7.4 節	PASS		請參閱 6.4 節
5	不必要之發射	低功率射頻電機技術規範 2.8 節及 4.7.4 節	PASS		請參閱 7.4 節
6	以下空白	--	--	--	--

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1. 基本資料

1.1. 待測物裝置資料

申請者(或公司)	Intel Mobile Communications France SAS
地址	Le Navigator B 505 route des Lucioles CS 70293 06905 Sophia Antipolis cedex
製造廠商	Intel Mobile Communications France SAS
產品名稱	Intel® Wireless-AC 9560
商標	Intel
產品型號	9560NGW
天線樣式	Dipole Antenna
天線增益	Refer to the table “Antenna List”
頻道控制	Auto

Antenna List

原申請天線				
No.	Manufacturer	Model No.	Antenna Type	Peak Gain
1	SkyCross	N/A (Main) N/A (Aux)	PIFA	3.64 dBi for 5.15~5.25GHz 3.73 dBi for 5.25~5.35GHz 4.77 dBi for 5.47~5.725GHz 4.97 dBi for 5.725~5.850GHz
此次新增 1 組天線				
1	WIESON Technologies co., ltd	GY121HT0321-003-H (Main), (Aux)	Dipole	2.92 dBi for 5.15~5.25GHz 3.19 dBi for 5.25~5.35GHz 4.41 dBi for 5.47~5.725GHz 4.22 dBi for 5.725~5.850GHz
Note: 經交叉比對後, 新增天線樣式為 Dipole, 與原申請 PIFA 天線形式不同, 必須重新評估場強 量測之影響, 檢附測試資料。				

1.2. 系列型號差異說明

實驗室內部編號	1760160R-RFTWP35V00	1790208R-RFTWP47V00
型號說明	9560NGW	9560NGW
廠牌	Intel	Intel
證書編號	CCAH17LP2600T0	CCAH17LP2600T0
設備軟體功能	無變動	無變動
天線樣式	PIFA	Dipole
設備硬體功能	無變動	無變動

備註:

1. 此次申請新增天線樣式為 Dipole 天線，與原申請 PIFA 天線形式不同，其餘無線射頻模組、廠牌、型號、設計及功能皆無其他改變，與原申請認證之樣品皆完全符合。
2. 該產品確符合同系列產品技術規格及射頻性能相同。

1.3. 待測裝置驗證說明

1. 待測裝置規格說明:

待測物為 Intel® Wireless-AC 9560, 內建了 WiFi 及 Bluetooth 功能, 此報告為 5GHz WLAN 的測試報告; 其天線為半固定式 Dipole 天線, 悉採 5GHz 為載波, 利用寬頻數位調變(OFDM) 方式 802.11a: 6 – 54Mbps, 802.11n: 14.4 – 144.4Mbps using 20MHz channel、30 – 300Mbps using 40MHz channel) 來傳送訊號, 頻道 36、44、48、52、60、64、100、116、140、149、157、165 (802.11a/n-20MHz) 和頻道 38、46、54、62、102、118、134、151、159(802.11n-40MHz) 被選擇為測試頻道, 速率 6Mbps (802.11a) 與 MCS8 (802.11n) 被選擇為測試傳輸速率。

另支援 802.11ac 14.4 – 173.3Mbps using 20MHz channel、802.11ac 30 – 400Mbps using 40MHz channel、802.11ac 65 – 866.7Mbps using 80MHz channel、802.11ac 130 – 1733Mbps using 160MHz channel 來傳送訊號, 頻道 144 (802.11ac-20MHz) 和頻道 142 (802.11ac-40MHz) 和頻道 42、58、106、122、138、155 (802.11ac-80MHz) 和頻道 50、114 (802.11ac-160MHz) 被選擇為測試頻道, 速率 MCS0 (802.11ac-20MHz) 與 MCS0 (802.11ac-40MHz) 與 MCS0 (802.11ac-80MHz) 與 MCS0 (802.11ac-160MHz) 被選擇為測試傳輸速率。

結果顯示於此份報告中。

(1) 此產品為受控運作模式, 動態頻率選擇不具有 active scan or Ad-hoc 功能, 只能做 passive scan 的運作。

(2) 待測裝置為同一體。

(3) 發射體主要功能特性有:

<1> 待測裝置利用無線電波, 分別借由無線電波, 傳送及接收, 達到資料傳送之目的。

<2> 待測裝置傳送訊號, 使用 5GHz 為載波頻率, 利用數位調變方式來傳送訊號, 且其天線為半固定式 Dipole 天線。

<3> 基本發射工作頻率範圍 5.150-5.250GHz, 5.250-5.350GHz, 5.470-5.725GHz, 5.725~5.850GHz。

<4> 頻道切換方式: 採自動切換控制方式。

<5> 調變方式: 採 OFDM 調變方式。

<6> 傳輸速率: 802.11a: 6 – 54Mbps。

802.11n: 14.4 – 144.4Mbps using 20MHz channel、30 – 300Mbps using 40MHz channel。

802.11ac: 14.4 – 173.4Mbps using 20MHz channel、802.11ac 30 – 400Mbps using 40MHz channel、802.11ac 65 – 866.7Mbps using 80MHz channel、802.11ac 130 – 1733Mbps using 160MHz channel。

<7> 工作電壓: DC 3.3V

<8> 測試軟體: DRTU (Ver 10.1739.0-06012)

<9> 802.11a/n-20MHz 共計 24 個工作頻道, 工作頻道頻率為:

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 36:	5180 MHz	Channel 40:	5200 MHz	Channel 44:	5220 MHz	Channel 48:	5240 MHz
Channel 52:	5260 MHz	Channel 56:	5280 MHz	Channel 60:	5300 MHz	Channel 64:	5320 MHz
Channel 100:	5500 MHz	Channel 104:	5520 MHz	Channel 108:	5540 MHz	Channel 112:	5560 MHz
Channel 116:	5580 MHz	Channel 120:	5600 MHz	Channel 124:	5620 MHz	Channel 128:	5640 MHz
Channel 132:	5660 MHz	Channel 136:	5680 MHz	Channel 140:	5700 MHz	Channel 149:	5745 MHz
Channel 153:	5765 MHz	Channel 157:	5785 MHz	Channel 161:	5805 MHz	Channel 165:	5825 MHz

<10>802.11n-40MHz 共計 11 個工作頻道, 工作頻道頻率為:

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 38:	5190 MHz	Channel 46:	5230 MHz	Channel 54:	5270 MHz	Channel 62:	5310 MHz
Channel 102:	5510 MHz	Channel 110:	5550 MHz	Channel 118:	5590 MHz	Channel 126:	5630 MHz
Channel 134:	5670 MHz	Channel 151:	5755 MHz	Channel 159:	5795 MHz		

<11>802.11ac-20MHz 共計 1 個工作頻道, 工作頻道頻率為:

Channel	Frequency
Channel 144:	5720 MHz

<12>802.11ac-40MHz 共計 1 個工作頻道, 工作頻道頻率為:

Channel	Frequency
Channel 142:	5710 MHz

<13>802.11ac-80MHz 共計 6 個工作頻道, 工作頻道頻率為:

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 42:	5210 MHz	Channel 58:	5290 MHz	Channel 106:	5530 MHz	Channel 122:	5610 MHz
Channel 138:	5690 MHz	Channel 155:	5775 MHz				

<14>802.11ac-160MHz 共計 2 個工作頻道, 工作頻道頻率為:

Channel	Frequency	Channel	Frequency
Channel 50:	5250 MHz	Channel 114:	5570 MHz

<15> 關於受測物詳細說明, 請參閱製造商規格或使用手冊。

EMI 模式	Mode 1: 發射器	802.11a -SISOA
	Mode 1: 發射器	802.11n-20BW -SISOA
	Mode 1: 發射器	802.11n-40BW -SISOA
	Mode 1: 發射器	802.11ac-20BW -SISOA
	Mode 1: 發射器	802.11ac-40BW -SISOA
	Mode 1: 發射器	802.11ac-80BW -SISOA
	Mode 1: 發射器	802.11ac-160BW -SISOA
	Mode 2: 發射器	802.11a -SISOB
	Mode 2: 發射器	802.11n-20BW -SISOB
	Mode 2: 發射器	802.11n-40BW -SISOB
	Mode 2: 發射器	802.11ac-20BW -SISOB
	Mode 2: 發射器	802.11ac-40BW -SISOB
	Mode 2: 發射器	802.11ac-80BW -SISOB
	Mode 2: 發射器	802.11ac-160BW -SISOB
	Mode 3: 發射器	802.11n-20BW -MIMO
	Mode 3: 發射器	802.11n-40BW -MIMO
	Mode 3: 發射器	802.11ac-20BW -MIMO
	Mode 3: 發射器	802.11ac-40BW -MIMO
	Mode 3: 發射器	802.11ac-80BW -MIMO
	Mode 3: 發射器	802.11ac-160BW -MIMO
	Mode 3: 發射器	802.11n-20BW_Beamforming
	Mode 3: 發射器	802.11n-40BW_Beamforming
	Mode 3: 發射器	802.11ac-20BW_Beamforming
	Mode 3: 發射器	802.11ac-40BW_Beamforming
	Mode 3: 發射器	802.11ac-80BW_Beamforming
	Mode 3: 發射器	802.11ac-160BW_Beamforming
	Mode 1: 接收器	802.11n-20BW -SISOA
	Mode 1: 接收器	802.11n-40BW -SISOA
	Mode 1: 接收器	802.11ac-20BW -SISOA
	Mode 1: 接收器	802.11ac-40BW -SISOA
	Mode 1: 接收器	802.11ac-80BW -SISOA
	Mode 1: 接收器	802.11ac-160BW -SISOA
	Mode 2: 接收器	802.11n-20BW -SISOB
	Mode 2: 接收器	802.11n-40BW -SISOB
	Mode 2: 接收器	802.11ac-20BW -SISOB
	Mode 2: 接收器	802.11ac-40BW -SISOB
	Mode 2: 接收器	802.11ac-80BW -SISOB
	Mode 2: 接收器	802.11ac-160BW -SISOB
	Mode 3: 接收器	802.11n-20BW -MIMO
	Mode 3: 接收器	802.11n-40BW -MIMO
	Mode 3: 接收器	802.11ac-20BW -MIMO
	Mode 3: 接收器	802.11ac-40BW -MIMO
	Mode 3: 接收器	802.11ac-80BW -MIMO
	Mode 3: 接收器	802.11ac-160BW -MIMO

1.4. 系統測試時之週邊裝置

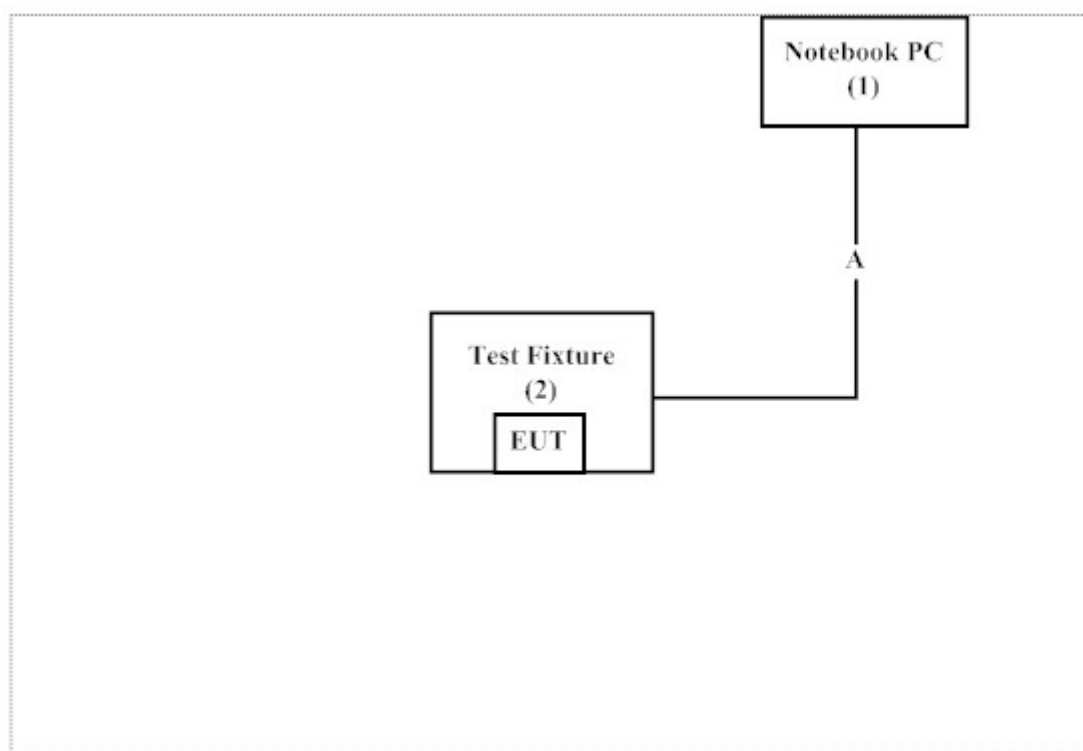
待測裝置測試時，其搭配系統測試時之週邊裝置包括下列：

發射器模式 & 接收器模式：

Product	Manufacturer	Model No.	Serial No.	FCC ID	Power Cord
1	Notebook PC	DELL	N/A	N/A	Non-Shielded, 1.8m
2	Test Fixture	Intel	N/A	N/A	N/A

Signal Cable Type	Signal cable Description
A	Test Fixture Line
	Non-Shielded, 1.0m

1.5. 測試系統組合圖



1.6. 待測裝置測試時之典型操作程序

1.	測試配置如上圖 1.4 所示.
2.	執行 DRTU (Ver 10.1739.0-06012) 控制發射
3.	設定所要測試之模式、頻道及速率
4.	確認訊號是持續發射狀態模式，無誤後開始測試

2. 測試實驗室資料

2.1. 試驗單位與週遭環境

實驗室環境條件:

項 目	實際測試條件
溫度 (°C)	20-35
濕度 (%RH)	30-65
大氣壓力 (mbar)	950-1000

德凱認證股份有限公司是家專為無線產品、手機、通訊、電磁相容及安全規範的技術測試暨認證顧問之專業實驗室，實驗室秉持著公正客觀的態度及全套完整測試設備，和本身完善的品質系統，實驗室皆依 ISO/IEC 17025、EN 45001 及 ISO/IEC Guide 25 管理實驗室，並取得各國認證機構之合格證書，實驗室之相關合格證書，可由德凱認證股份有限公司的網站下載，下載網址:

<http://www.dekra.com.tw/english/about/certificates.aspx?bval=5>

實驗室之詳細地址、位置與聯絡方式，可由德凱認證股份有限公司的網站查詢，網址:

http://www.dekra.com.tw/index_en

財團法人全國認證基金會 認證

特定服務計畫：電信設備測試實驗室認證服務計畫

初次認證日期：一百零三年十月二十四日

認證有效期間：一百零三年十月二十四日起至一百零六年十二月十二日止

認可測試領域：低功率射頻電機(工作頻率9kHz to 220GHz)

認可編號：3023

測試實驗室名稱：德凱認證股份有限公司

測試實驗室位置：新北市林口區瑞平里瑞樹坑5-22號

2.2. 測試設備明細

For Conducted measurements /CB3/SR8

	儀器名稱	製造廠	型號	序號	上次 校正日期	下次 校正日期
	Temperature Chamber	WIT GROUP	TH-1S-B	EQ-201-00146	2016/11/28	2017/11/27
X	Power Meter	Keysight	8990B	MY51000410	2017/8/16	2018/8/15
X	Wideband power sensor	Keysight	N1923A	MY5608003	2017/8/16	2018/8/15
X	Spectrum Analyzer	Agilent	N9010A	MY48030495	2017/7/22	2018/7/21
X	EMI Test Receiver	R&S	ESCS 30	100369	2017/10/13	2018/10/12
	LISN	R&S	ESH3-Z5	836679/017	2017/1/18	2018/1/17
	LISN	R&S	ENV216	100097	2017/1/18	2018/1/17
X	Coaxial Cable	QTK(Arnist)	RG 400	LC018-RG	2017/6/25	2018/6/24

For Radiated measurements /Site3/CB8

	儀器名稱	製造廠	型號	序號	上次 校正日期	下次 校正日期
X	Spectrum Analyzer	R&S	FSP40	100170	2017/1/18	2018/1/17
X	Loop Antenna	Teseq	HLA6121	37133	2017/3/18	2018/3/17
X	Bi-Log Antenna	Schaffner Chase	CBL6112B	2707	2017/6/11	2018/6/10
X	Horn Antenna	ETS-Lindgren	3117	00135205	2017/4/6	2018/4/5
X	Horn Antenna	Schwarzbeck	BBHA9170	209	2017/4/14	2018/4/13
X	Pre-Amplifier	QTK	AP/0100A	CHM/0901069	2017/6/23	2018/6/22
X	Pre-Amplifier	EMCI	EMC012630SE	980210	2017/1/26	2018/1/24
X	Pre-Amplifier	NARDA WE	DBL-1840N506	013	2017/9/30	2018/9/29
	Filter	MicroTRON	BRM50701	019	2017/11/2	2018/11/1
X	Filter	Microwave Circuits	N0257881	36681	2017/1/3	2018/1/2
X	EMI Test Receiver	R&S	ESR26	101385	2017/9/29	2018/9/28
X	Coaxial Cable	QTK(Arnist)	SUCOFLEX 106	L1606-015C	2017/6/23	2018/6/22
X	EMI Test Receiver	R&S	ESCS 30	838251/001	2017/7/21	2018/7/20
X	Coaxial Cable	QTK(Arnist)	RG 214	LC003-RG	2017/6/16	2018/6/15
X	Coaxial signal switch	Anritsu	MP59B	6201415889	2017/6/16	2018/6/15

Note:

1. All equipments are calibrated every one year.
2. The test instruments marked with "X" are used to measure the final test results.
3. Test Software version : QuieTek EMI 2.0 V2.1.113

3. 天線之要求

3.1. 適用標準

依據國家通訊傳播委員會低功率射頻電機技術規範之第 4.7.8 節
天線之規格不受 2.2 規定之限制。

依據國家通訊傳播委員會低功率射頻電機技術規範之第 4.7.3 節

4.7.3.1 使用於 5.15 GHz~5.25 GHz 頻段

(1) 供戶外操作使用:

(C) 使用超過 6 dBi 方向增益之發射天線時，應依超過 6 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

(2) 供室內操作使用:

(C) 使用超過 6 dBi 方向增益之發射天線時，應依超過 6 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

(3) 供固定式點對點操作使用:

(C) 使用超過 23 dBi 方向增益之指向性天線時，應依超過 23 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

(D) 固定式點對點操作，不包括點對多點系統、全方向性應用及多台共站發射機傳送相同資訊。

(4) 供用戶端裝置(Client Device)操作使用:

(C) 使用超過 6 dBi 方向增益之發射天線時，應依超過 6 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

4.7.3.2 使用頻率於 5.25 GHz~5.35 GHz 與 5.470 GHz~5.725 GHz 頻段

(3) 使用超過 6 dBi 方向增益之發射天線時，應依超過 6 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

4.7.3.3 使用頻率於 5.725 GHz~5.850 GHz 頻段

(3) 供固定式點對點操作時，使用方向增益超過 6 dBi 之發射天線，可不需對應減少發射器之傳導輸出功率限制值。

(4) 除(3)外，使用超過 6 dBi 方向增益之發射天線時，應依超過 6 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度

3.2. 天線樣式

此 Intel® Wireless-AC 9560 為半固定式 Dipole 天線, (檢附天線規格書)

Antenna List

原申請天線				
No.	Manufacturer	Model No.	Antenna Type	Peak Gain
1	SkyCross	N/A (Main) N/A (Aux)	PIFA	3.64 dBi for 5.15~5.25GHz 3.73 dBi for 5.25~5.35GHz 4.77 dBi for 5.47~5.725GHz 4.97 dBi for 5.725~5.850GHz
此次新增 1 組天線				
1	WIESON Technologies co., ltd	GY121HT0321-003-H (Main), (Aux)	Dipole	2.92 dBi for 5.15~5.25GHz 3.19 dBi for 5.25~5.35GHz 4.41 dBi for 5.47~5.725GHz 4.22 dBi for 5.725~5.850GHz
Note: 經交叉比對後, 新增天線樣式為 Dipole, 與原申請 PIFA 天線形式不同, 必須重新評估場強 量測之影響, 檢附測試資料。				

天線之要求測試結果:

PASS

4. 峰值發射功率

4.1. 適用標準

依據國家通訊傳播委員會低功率射頻電機技術規範之第 4.7.3 節

4.7.3.1 使用於 5.15 GHz~5.25 GHz 頻段

(1) 供戶外操作使用:

- (A) 最大傳導輸出功率應小於或等於 1 W。
- (B) 在任何 1 MHz 頻帶中最大功率頻譜密度應小於或等於 17 dBm。
- (C) 使用超過 6 dBi 方向增益之發射天線時，應依超過 6 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。
- (D) 在水平面仰角超過 30 度時，其最大 EIRP 應小於或等於 21 dBm。

(2) 供室內操作使用:

- (A) 最大傳導輸出功率應小於或等於 1 W。
- (B) 在任何 1 MHz 頻帶中最大功率頻譜密度應小於或等於 17 dBm。
- (C) 使用超過 6 dBi 方向增益之發射天線時，應依超過 6 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

(3) 供固定式點對點操作使用:

- (A) 最大傳導輸出功率應小於或等於 1 W。
- (B) 在任何 1 MHz 頻帶中最大功率頻譜密度應小於或等於 17 dBm。
- (C) 使用超過 23 dBi 方向增益之指向性天線時，應依超過 23 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。
- (D) 固定式點對點操作，不包括點對多點系統、全方向性應用及多台共站發射機傳送相同資訊。

(4) 供用戶端裝置(Client Device)操作使用:

- (A) 最大傳導輸出功率應小於或等於 250 mW。
- (B) 在任何 1 MHz 頻帶中最大功率頻譜密度應小於或等於 11 dBm。
- (C) 使用超過 6 dBi 方向增益之發射天線時，應依超過 6 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

4.7.3.2 使用頻率於 5.25 GHz~5.35 GHz 與 5.470 GHz~5.725 GHz 頻段

- (1) 最大傳導輸出功率應小於或等於 250 mW 或 $11\text{dBm} + 10\log B$ (B 是 26 dB 發射頻寬，單位 MHz)之較小者。
- (2) 最大功率頻譜密度在任何 1 MHz 頻帶中應小於或等於 11 dBm。
- (3) 使用超過 6 dBi 方向增益之發射天線時，應依超過 6 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

4.7.3.3 使用頻率於 5.725 GHz~5.850 GHz 頻段

- (1) 最大傳導輸出功率應小於或等於 1 W。
- (2) 在任何 500 kHz 頻帶中最大功率頻譜密度應小於或等於 30 dBm。
- (3) 供固定式點對點操作時，使用方向增益超過 6 dBi 之發射天線，可不需對應減少發射器之傳導輸出功率限制值。
- (4) 除(3)外，使用超過 6 dBi 方向增益之發射天線時，應依超過 6 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度

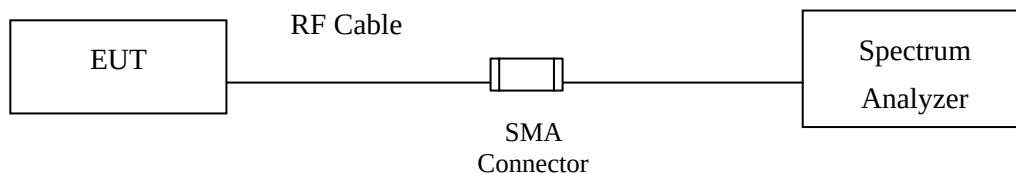
4.2. 量測方法

待測物之天線埠經由適當之衰減直接連至頻譜分析儀 RF 輸入端，峰值發射功率必須使用依據均方根等效電壓校準之儀器量測於任何連續傳輸之時段，量測結果須依儀器限制(如偵測器反應時間、相較於發射頻寬有限之解析頻寬能力，靈敏度等)調整得出正確之峰值量測或使用峰值功率表。

待測物應在正常發射狀態下量測。

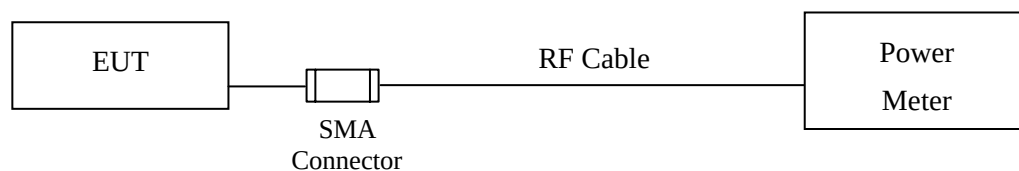
4.3. 測試架構圖

99% Occupied Bandwidth

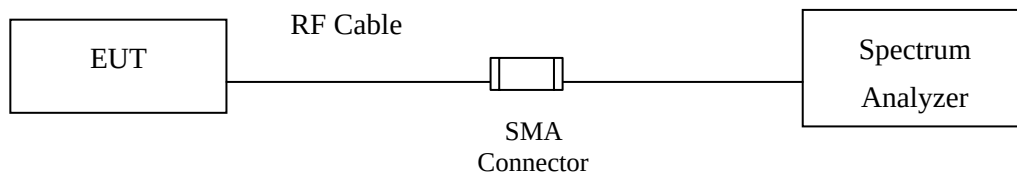


Conduction Power Measurement

Conduction Power Measurement (for 802.11an)



Conduction Power Measurement (for 802.11ac)



4.4. 量測不確定度

此項測試之量測不確定度為 $\pm 1.62\text{dB}$

4.5. 峰值發射功率測試結果

待測物名稱：Intel® Wireless-AC 9560

待測物型號：9560NGW

測試頻道：--

6 dB 頻寬：1MHz

檢測器：峰值

測試日期：106 年 10 月 16 日

測試項目：峰值發射功率

測試模式：Mode 1: 發射器 802.11a -SISOA

視頻頻寬：3MHz

環境溫度：25 °C

環境濕度：56 %

Cable loss=1.5dB		Maximum conducted output power								
Channel No.	Frequency (MHz)	Data Rate (Mbps)								Required Limit
		6	9	12	18	24	36	48	54	
		Measurement Level (dBm)								
36	5180	18.09	--	--	--	--	--	--	--	<24dBm
40	5220	21.48	21.41	21.32	21.26	21.20	21.15	21.08	21.00	<24dBm
48	5240	21.49	--	--	--	--	--	--	--	<24dBm
52	5260	21.41	--	--	--	--	--	--	--	<24dBm
56	5300	21.36	21.29	21.24	21.18	21.13	21.09	21.00	19.92	<24dBm
64	5320	17	--	--	--	--	--	--	--	<24dBm
100	5500	16.81	--	--	--	--	--	--	--	<24dBm
120	5580	20.81	20.75	20.68	20.52	20.48	20.39	20.27	20.18	<24dBm
140	5700	17.98	--	--	--	--	--	--	--	<24dBm
149	5745	21.34	--	--	--	--	--	--	--	<30dBm
157	5785	21.19	21.11	21.03	20.95	20.88	20.80	20.73	20.66	<30dBm
165	5825	21.42	--	--	--	--	--	--	--	<30dBm

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

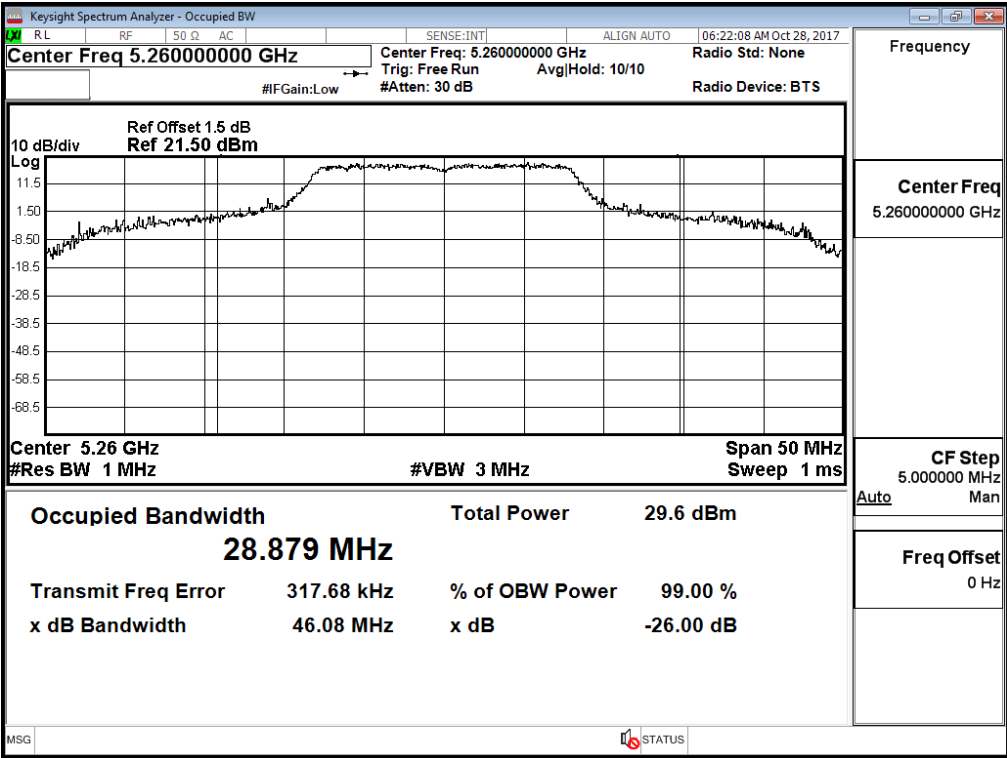
Maximum conducted output power Measurement:

Channel No	Frequency Range	99% Bandwidth	Output Power	Total Output Power	Output Power Limit		Result
	(MHz)	(MHz)	(dBm)	(dBm)	(dBm)	dBm+10log(BW)	
36	5180	--	18.09	18.09	24	--	Pass
40	5220	--	21.48	21.48	24	--	Pass
48	5240	--	21.49	21.49	24	--	Pass
52	5260	28.879	21.41	21.41	24	25.61	Pass
56	5300	29.382	21.36	21.36	24	25.68	Pass
64	5320	17.984	17.00	17.00	24	23.55	Pass
100	5500	17.976	16.81	16.81	24	23.55	Pass
120	5580	36.271	20.81	20.81	24	26.60	Pass
140	5700	18.071	17.98	17.98	24	23.57	Pass
149	5745	--	21.34	21.34	30	--	Pass
157	5785	--	21.19	21.19	30	--	Pass
165	5825	--	21.42	21.42	30	--	Pass

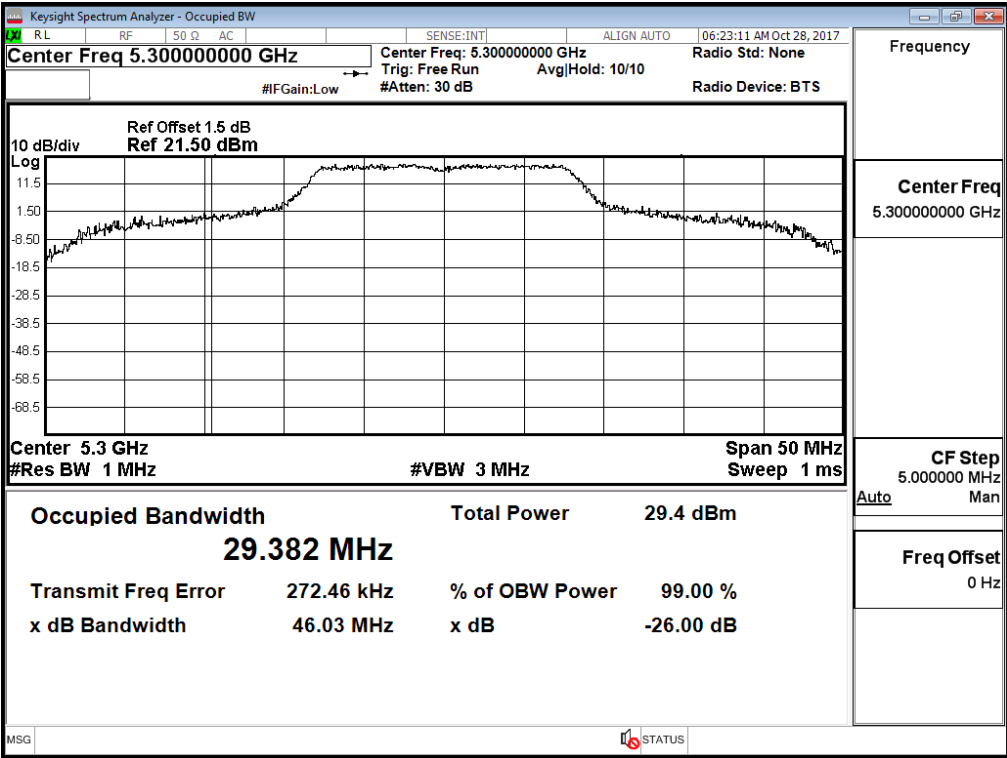
Note:

1. Power Output Value =Reading value on average power meter + cable loss

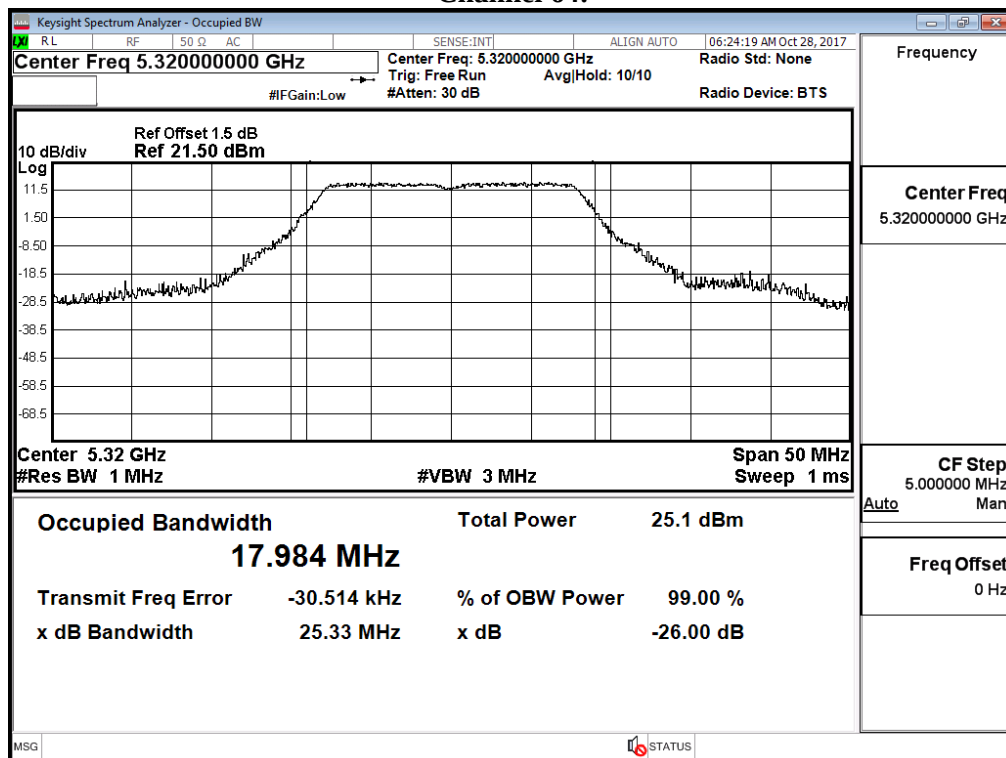
99% Occupied Bandwidth:
Channel 52:



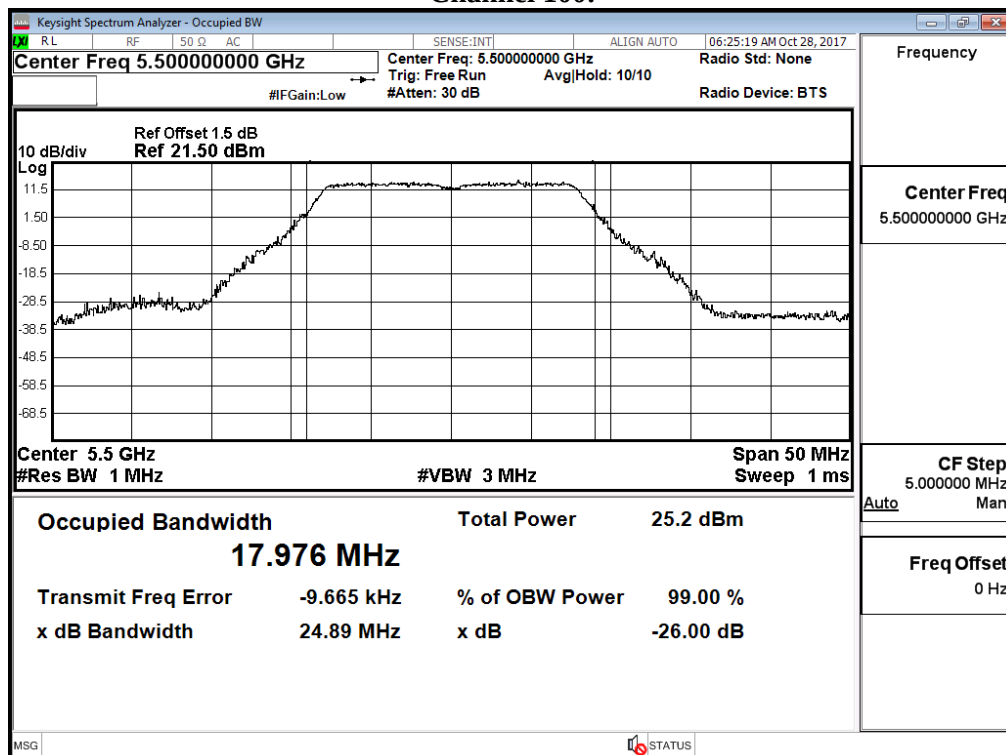
Channel 60:



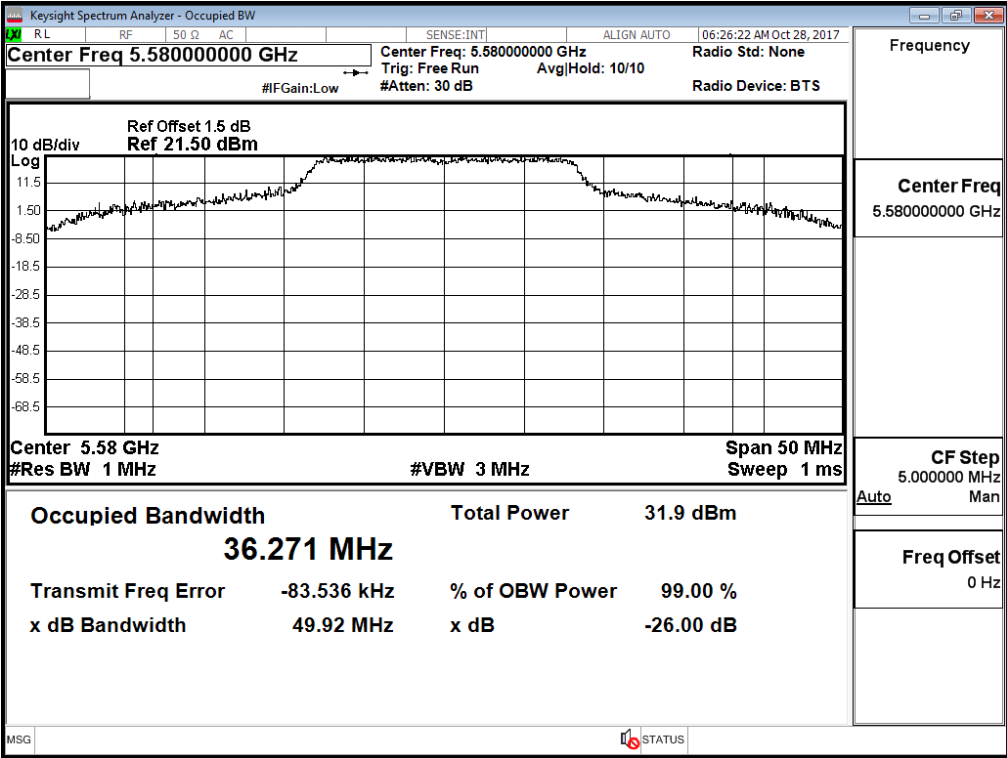
Channel 64:



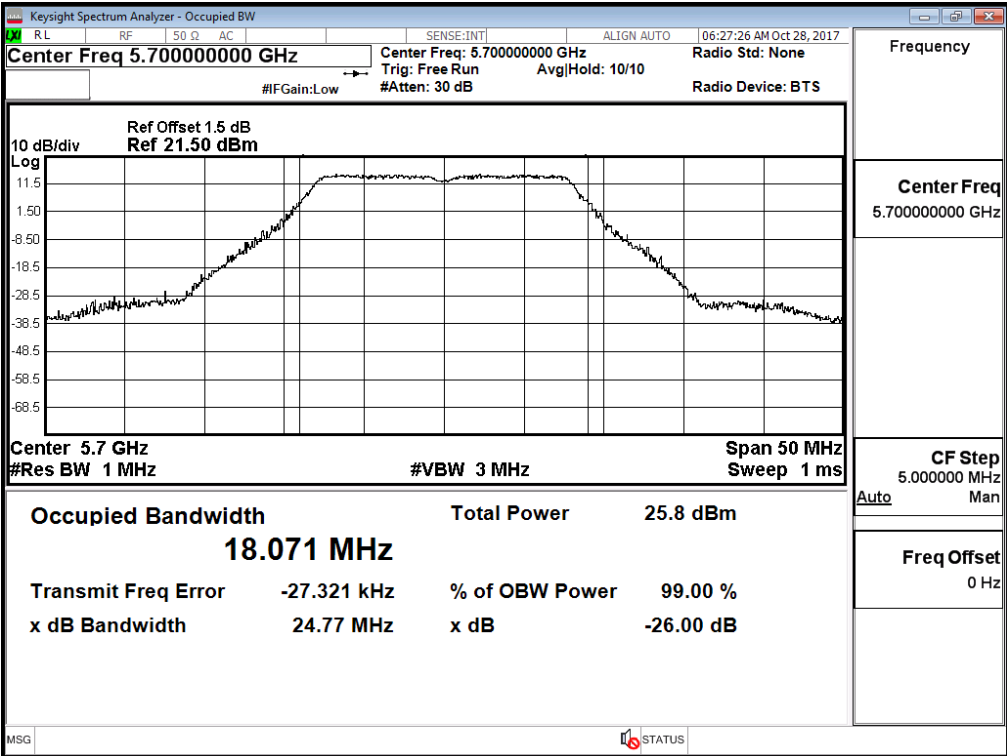
Channel 100:



Channel 116:



Channel 140:



待測物名稱：Intel® Wireless-AC 9560

待測物型號：9560NGW

測試項目：峰值發射功率

測試頻道：--

測試模式：Mode 1: 發射器 802.11n-20BW -SISOA

6 dB 頻寬：1MHz

視頻頻寬：3MHz

檢測器：峰值

環境溫度：25 °C

測試日期：106 年 10 月 16 日

環境濕度：56 %

Cable loss=1.5dB		Maximum conducted output power								
Channel No.	Frequency (MHz)	Data Rate (Mbps)								Required Limit
		7.2	14.4	21.7	28.9	43.3	57.8	65	72.2	
		Measurement Level (dBm)								
36	5180	17.87	--	--	--	--	--	--	--	<24dBm
40	5220	21.58	21.51	21.43	21.35	21.28	21.22	21.18	21.09	<24dBm
48	5240	21.38	--	--	--	--	--	--	--	<24dBm
52	5260	21.49	--	--	--	--	--	--	--	<24dBm
56	5300	21.31	21.23	21.15	21.08	19.97	19.86	19.79	19.71	<24dBm
64	5320	17.03	--	--	--	--	--	--	--	<24dBm
100	5500	16.76	--	--	--	--	--	--	--	<24dBm
120	5580	20.62	20.57	20.43	20.32	20.29	20.17	20.11	20.04	<24dBm
140	5700	17.97	--	--	--	--	--	--	--	<24dBm
149	5745	21.03	--	--	--	--	--	--	--	<30dBm
157	5785	21.23	21.18	21.10	21.04	20.94	20.86	20.75	20.68	<30dBm
165	5825	21.36	--	--	--	--	--	--	--	<30dBm

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

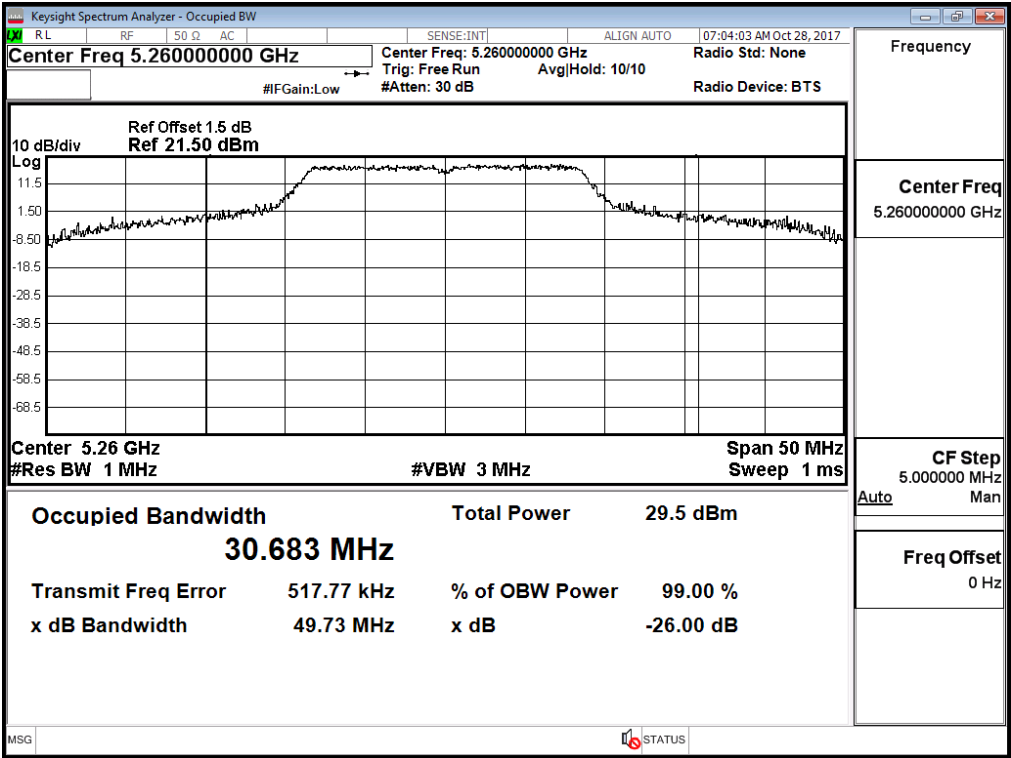
Maximum conducted output power Measurement:

Channel No	Frequency Range	99% Bandwidth	Output Power	Total Output Power	Output Power Limit		Result
	(MHz)	(MHz)	(dBm)	(dBm)	(dBm)	dBm+10log(BW)	
36	5180	--	17.87	17.87	24	--	Pass
40	5220	--	21.58	21.58	24	--	Pass
48	5240	--	21.38	21.38	24	--	Pass
52	5260	30.683	21.49	21.49	24	25.87	Pass
56	5300	31.389	21.31	21.31	24	25.97	Pass
64	5320	18.996	17.03	17.03	24	23.79	Pass
100	5500	19.012	16.76	16.76	24	23.79	Pass
120	5580	38.132	20.62	20.62	24	26.81	Pass
140	5700	18.997	17.97	17.97	24	23.79	Pass
149	5745	--	21.03	21.03	30	--	Pass
157	5785	--	21.23	21.23	30	--	Pass
165	5825	--	21.36	21.36	30	--	Pass

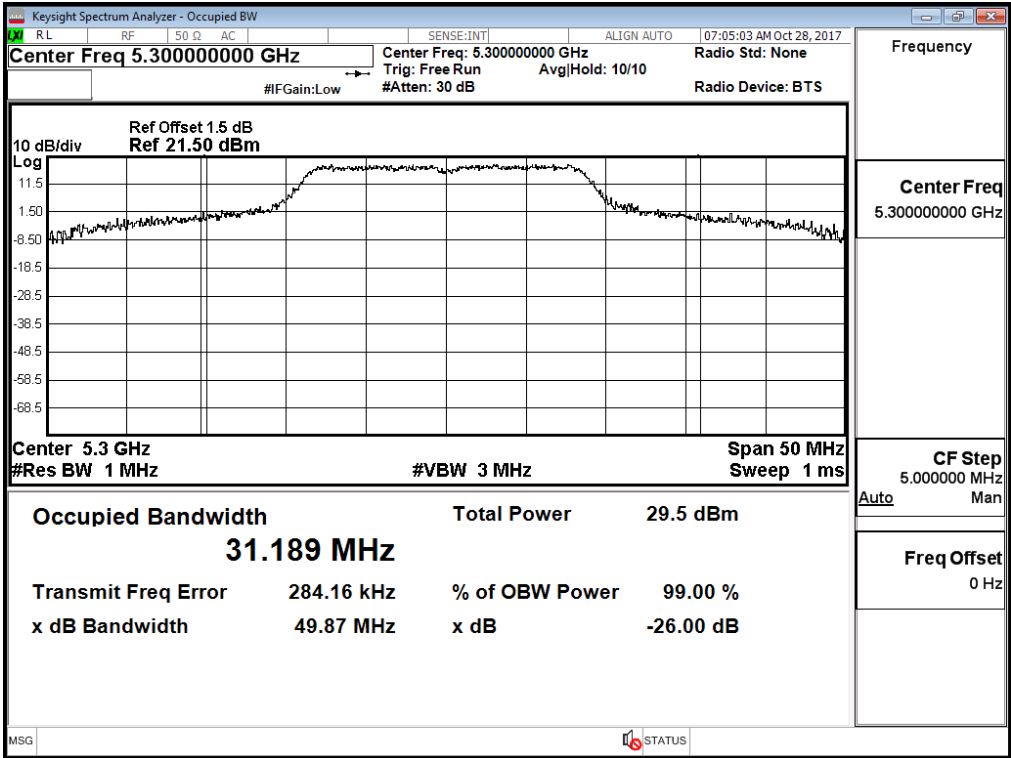
Note:

1. Power Output Value =Reading value on average power meter + cable loss

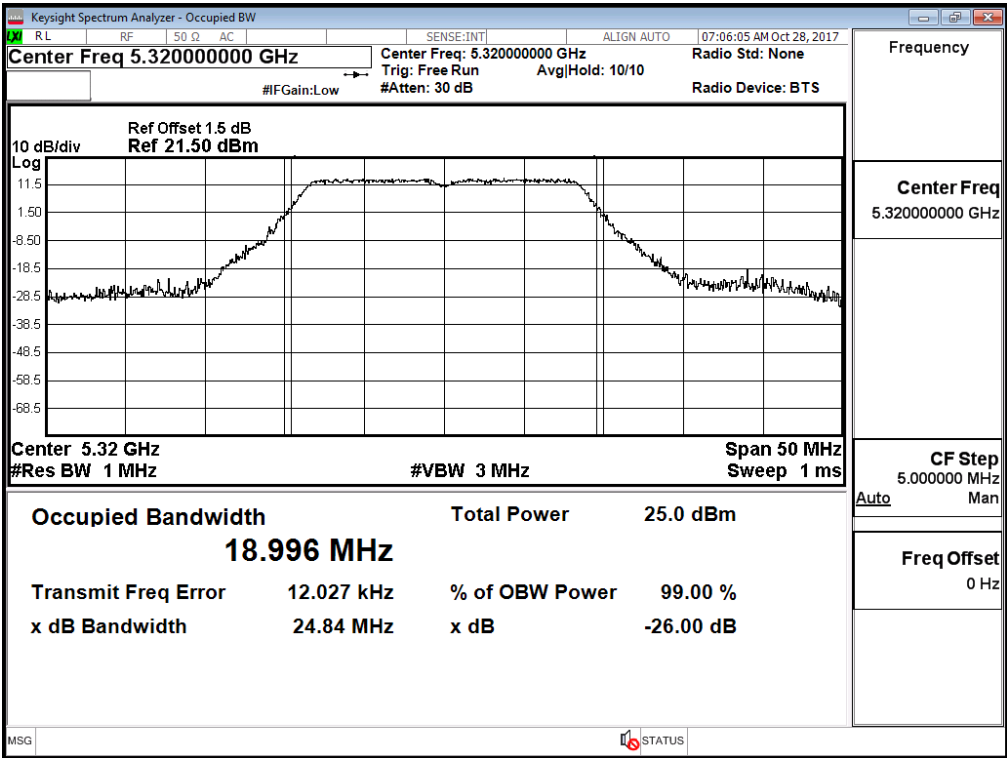
99% Occupied Bandwidth:
Channel 52



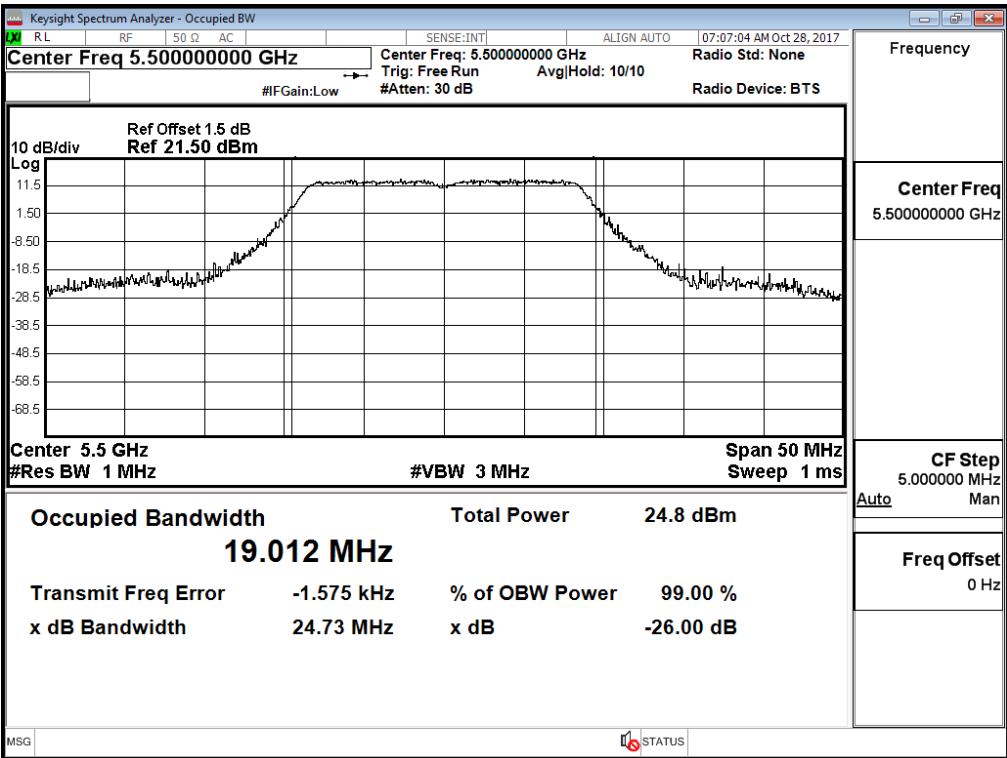
Channel 60



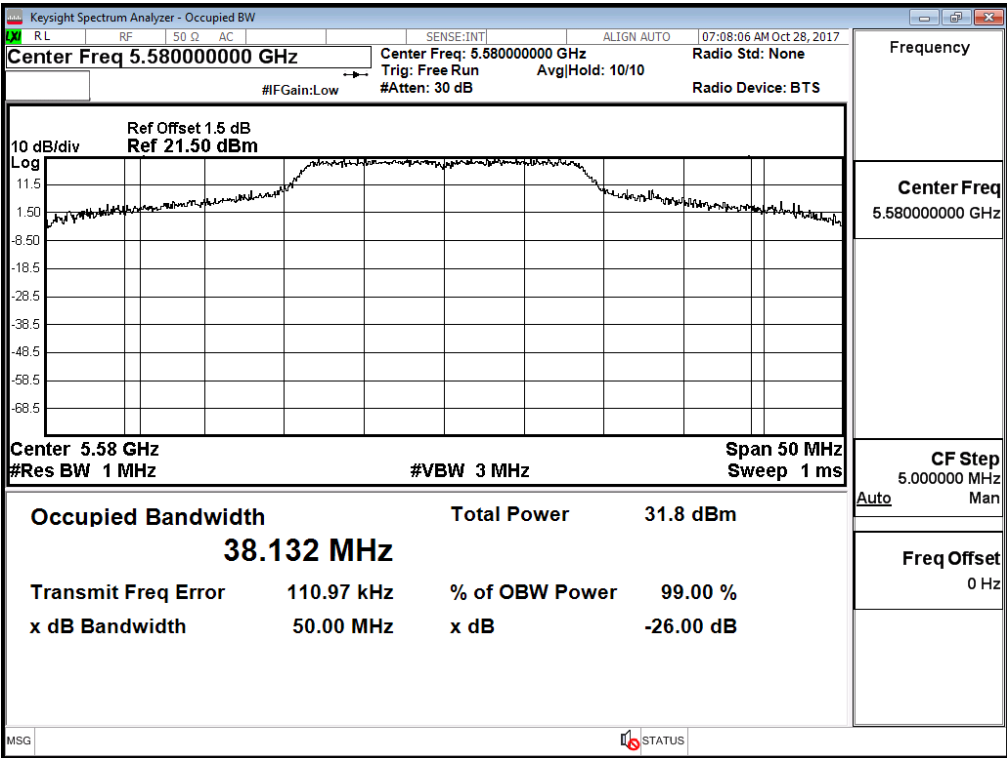
Channel 64



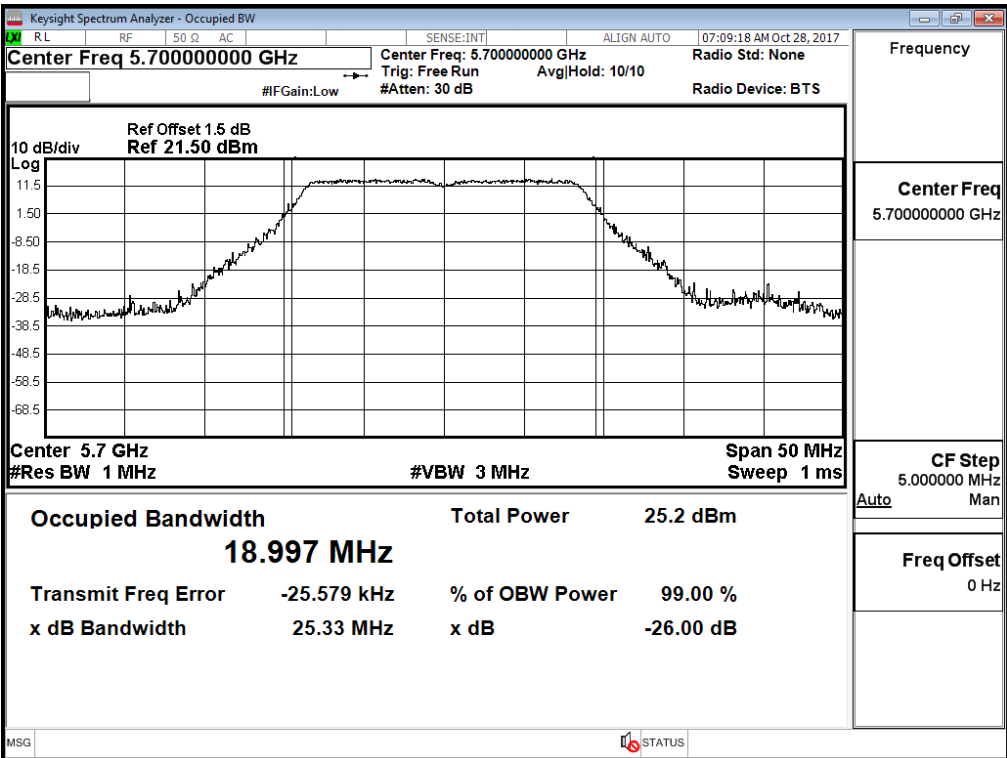
Channel 100



Channel 116



Channel 140



待測物名稱：Intel® Wireless-AC 9560

待測物型號：9560NGW

測試項目：峰值發射功率

測試頻道：--

測試模式：Mode 1: 發射器 802.11n-40BW -SISOA

6 dB 頻寬：1MHz

視頻頻寬：3MHz

檢測器：峰值

環境溫度：25 °C

測試日期：106 年 10 月 16 日

環境濕度：56 %

Cable loss=1.5dB		Maximum conducted output power								
Channel No.	Frequency (MHz)	Data Rate (Mbps)								Required Limit
		15	30	45	60	90	120	135	150	
		Measurement Level (dBm)								
38	5190	16.72	16.66	16.59	16.51	16.42	16.35	16.28	16.20	<24dBm
46	5230	21.46	--	--	--	--	--	--	--	<24dBm
54	5270	21.49	21.41	21.33	21.26	21.19	21.12	21.03	20.97	<24dBm
62	5310	14.46	--	--	--	--	--	--	--	<24dBm
102	5510	16.79	--	--	--	--	--	--	--	<24dBm
118	5550	20.87	20.81	20.72	20.64	20.57	20.51	20.42	20.36	<24dBm
134	5670	19.01	--	--	--	--	--	--	--	<24dBm
151	5755	20.95	15.71	15.63	15.56	15.48	15.41	15.34	15.26	<30dBm
159	5795	21.35	--	--	--	--	--	--	--	<30dBm

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

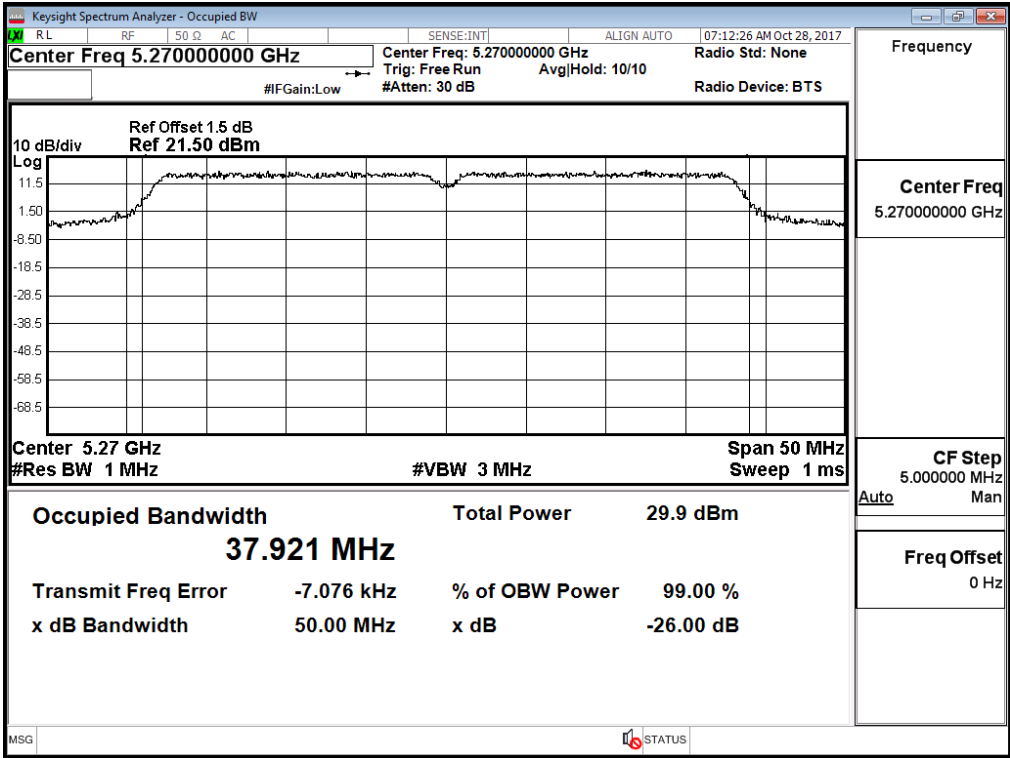
Maximum conducted output power Measurement:

Channel No	Frequency Range	99% Bandwidth	Output Power	Total Output Power	Output Power Limit		Result
	(MHz)	(MHz)	(dBm)	(dBm)	(dBm)	dBm+10log(BW)	
38	5190	--	16.72	16.72	24	--	Pass
46	5230	--	21.46	21.46	24	--	Pass
54	5270	37.921	21.49	21.49	24	26.79	Pass
62	5310	36.812	14.46	14.46	24	26.66	Pass
102	5510	36.839	16.79	16.79	24	26.66	Pass
118	5550	79.420	20.87	20.87	24	30.00	Pass
134	5670	36.914	19.01	19.01	24	26.67	Pass
151	5755	--	20.95	20.95	30	--	Pass
159	5795	--	21.35	21.35	30	--	Pass

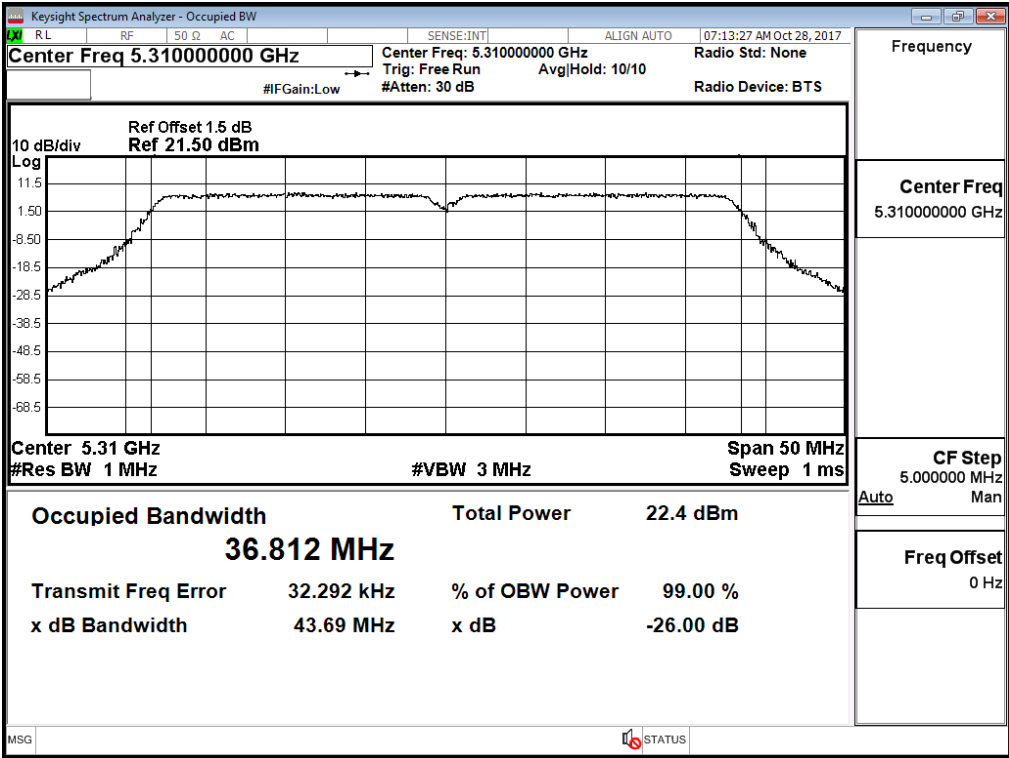
Note:

1. Power Output Value = Reading value on average power meter + cable loss

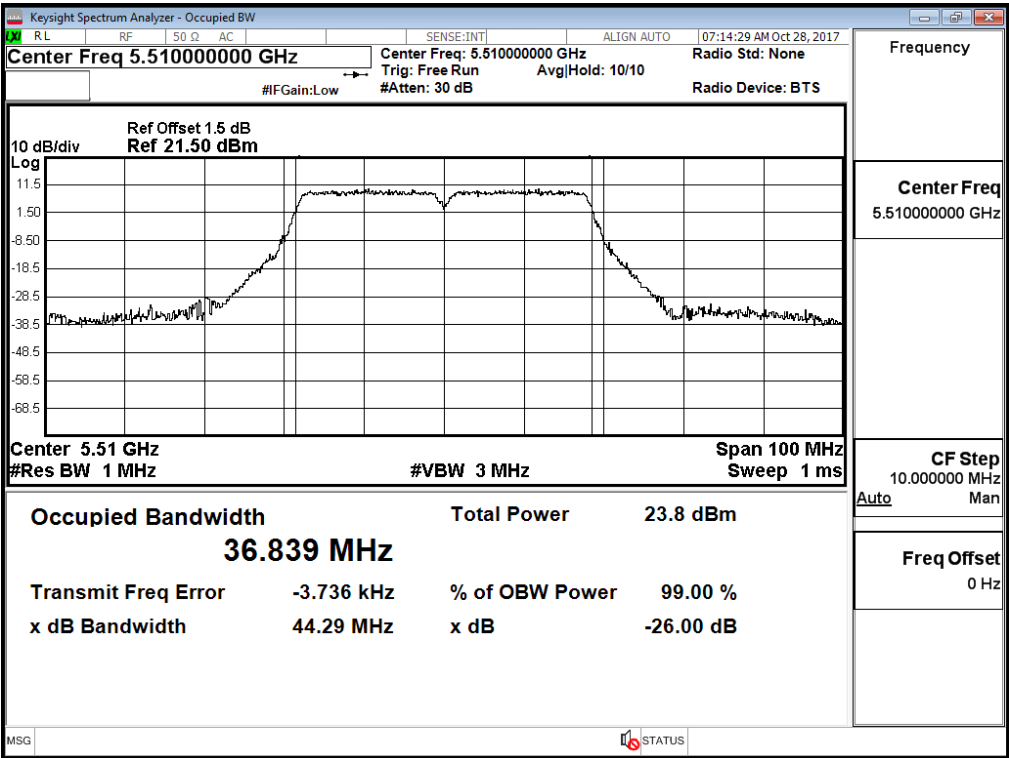
99% Occupied Bandwidth:
Channel 54



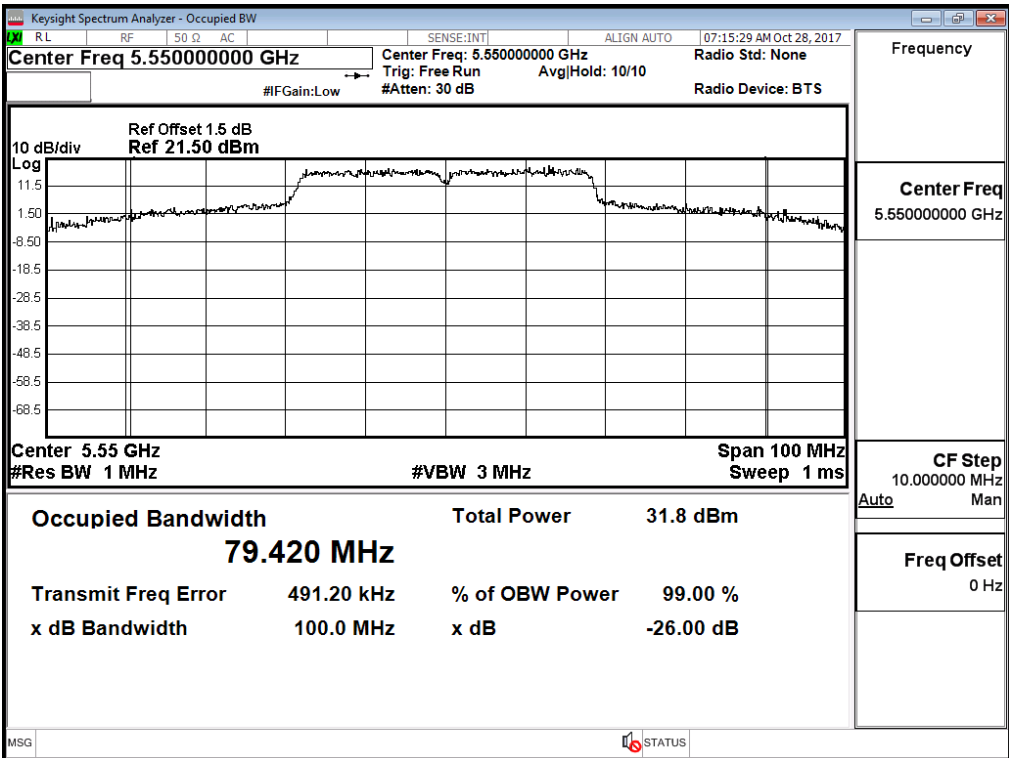
Channel 62



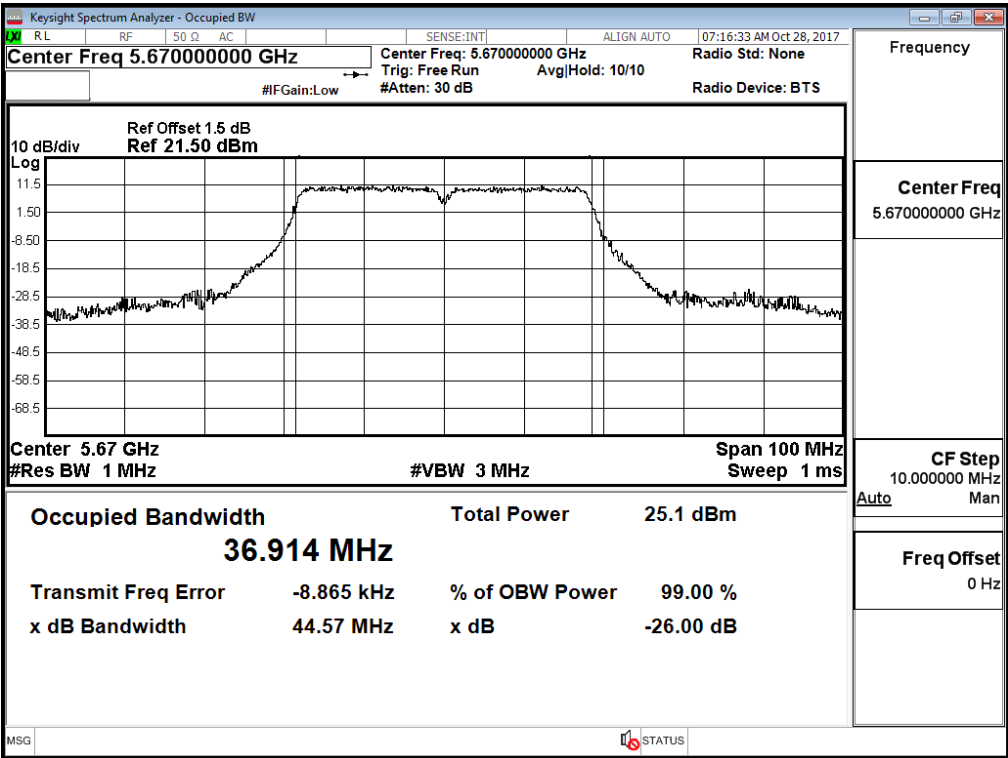
Channel 102



Channel 110



Channel 134



待測物名稱：Intel® Wireless-AC 9560

待測物型號：9560NGW

測試項目：峰值發射功率

測試頻道：--

測試模式：Mode 1: 發射器 802.11ac-20BW -SISOA

6 dB 頻寬：1MHz

視頻頻寬：3MHz

檢測器：峰值

環境溫度：25 °C

測試日期：106 年 10 月 12 日

環境濕度：56 %

Cable loss=1.5dB		Maximum conducted output power									
Channel No.	Frequency (MHz)	Data Rate (Mbps)									Required Limit
		HT0	HT1	HT2	HT3	HT4	HT5	HT6	HT7	HT8	
		Measurement Level (dBm)									
144 (Band3)	5720	21.23	21.15	21.09	21.01	20.94	20.88	20.81	20.75	20.68	<24dBm
144 (Band4)	5720	7.34	7.27	7.21	7.13	7.05	6.98	6.90	6.83	6.78	<30dBm

Note: Maximum conducted output power Value = Reading value on average power meter + cable loss

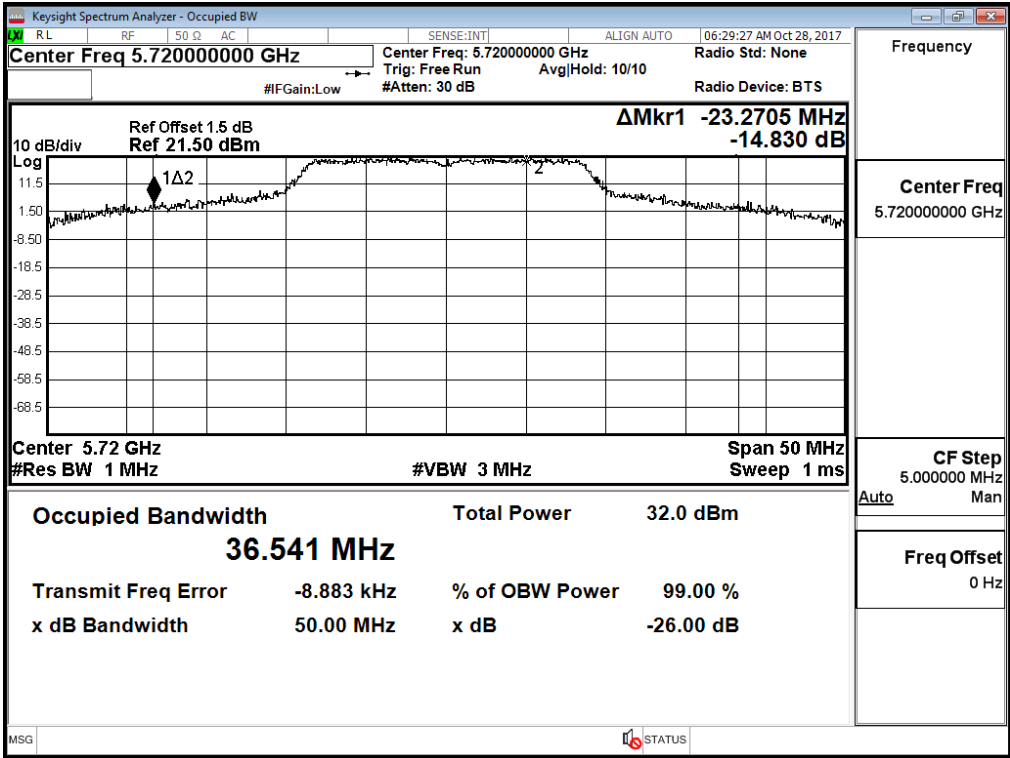
Maximum conducted output power Measurement:

Channel No	Frequency Range	99% Bandwidth	Output Power	Total Output Power	Output Power Limit		Result
	(MHz)	(MHz)	(dBm)	(dBm)	(dBm)	dBm+10log(BW)	
144(Band3)	5720	23.271	21.23	21.23	24	24.67	Pass
144(Band4)	5720	--	7.34	7.34	30	--	Pass

Note:

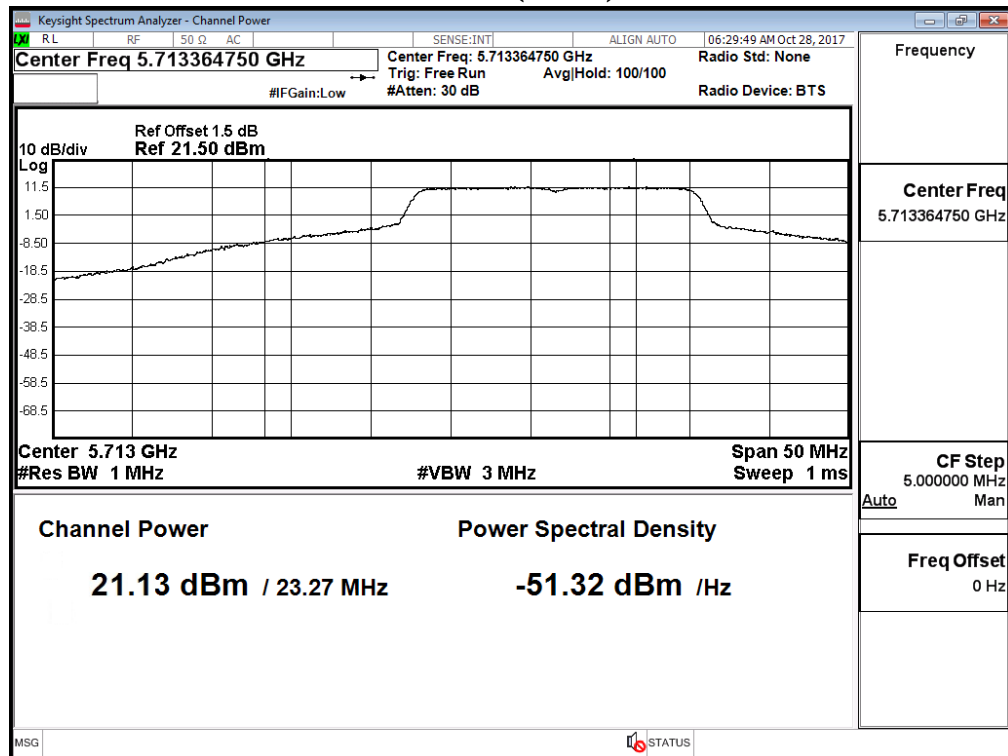
1. Output Power (dBm) = Reading value on average power meter + cable loss

99% Occupied Bandwidth:
Channel 144

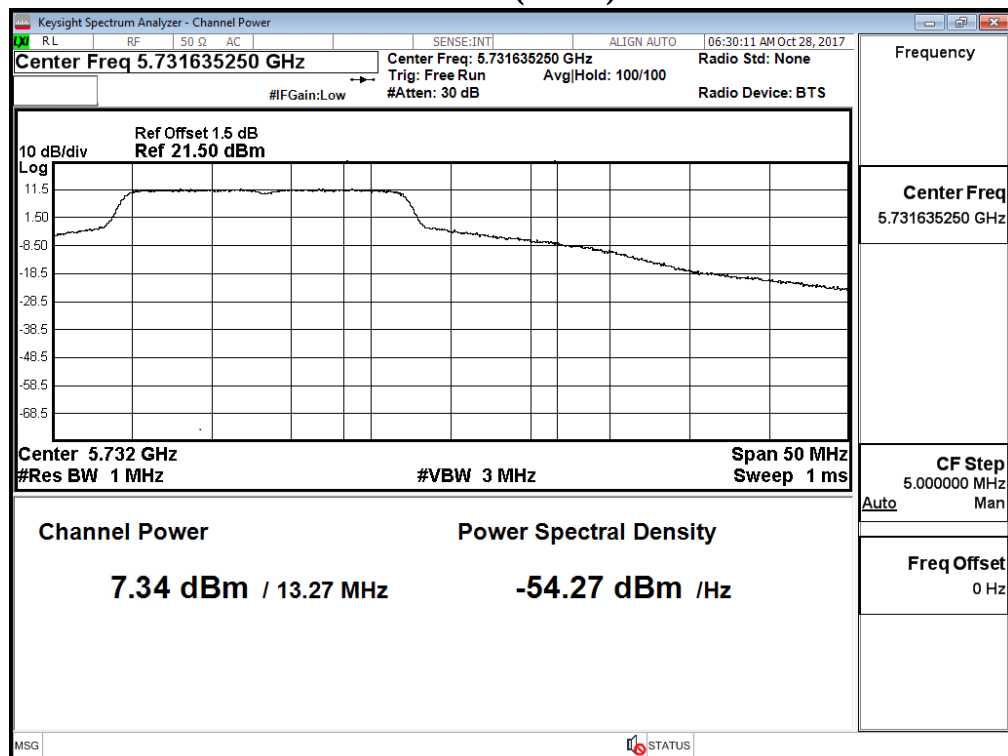


Maximum conducted output power:

Channel 144 (Band3)



Channel 144 (Band4)



待測物名稱：Intel® Wireless-AC 9560

待測物型號：9560NGW

測試項目：峰值發射功率

測試頻道：--

測試模式：Mode 1: 發射器 802.11ac-40BW -SISOA

6 dB 頻寬：1MHz

視頻頻寬：3MHz

檢測器：峰值

環境溫度：25 °C

測試日期：106 年 10 月 12 日

環境濕度：56 %

Cable loss=1.5dB		Maximum conducted output power									
Channel No	Frequency (MHz)	Data Rate (Mbps)									Required Limit
		HT0	HT1	HT2	HT3	HT4	HT5	HT6	HT7	HT8	
142F(Band3)	5710	21.08	20.99	19.90	19.83	19.76	19.68	19.61	19.54	19.48	<24dBm
142F(Band4)	5710	6.58	6.52	6.45	6.38	6.30	6.23	6.15	6.09	6.01	<30dBm

Note: Maximum conducted output power Value = Reading value on average power meter + cable loss

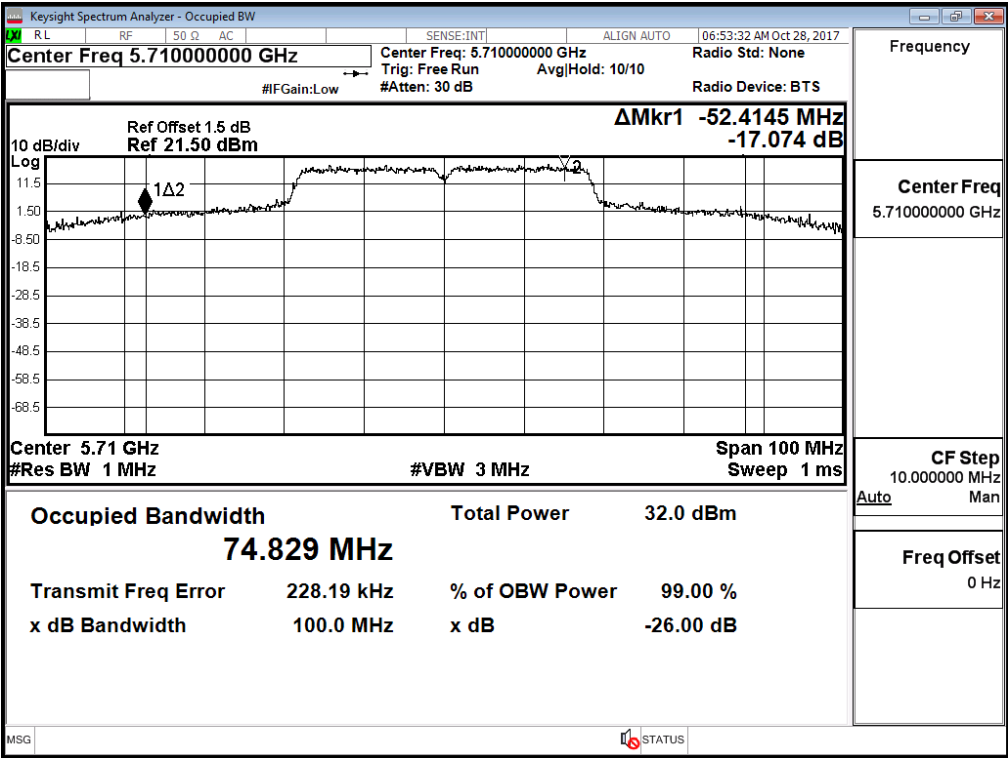
Maximum conducted output power Measurement:

Channel No	Frequency Range	99% Bandwidth	Output Power	Total Output Power	Output Power Limit		Result
	(MHz)	(MHz)	(dBm)	(dBm)	(dBm)	dBm+10log(BW)	
142F(Band3)	5710	52.415	21.08	21.08	24	28.19	Pass
142F(Band4)	5710	--	6.58	6.58	30	--	Pass

Note:

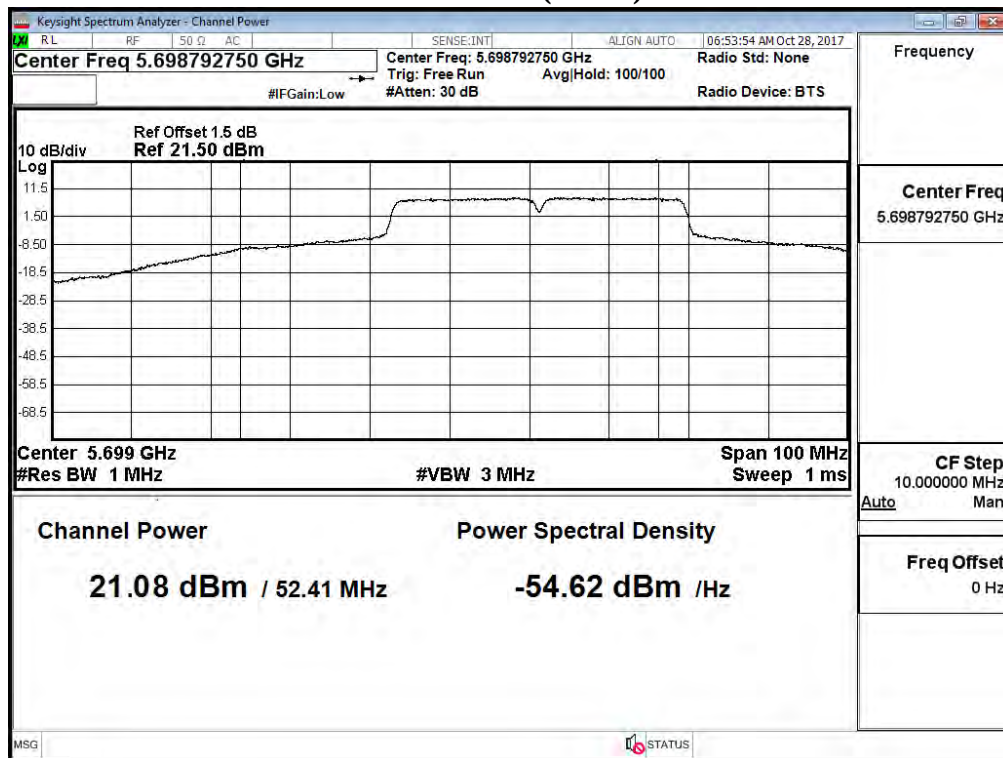
- Output Power (dBm) = Reading value on average power meter + cable loss

99% Occupied Bandwidth:
Channel 142

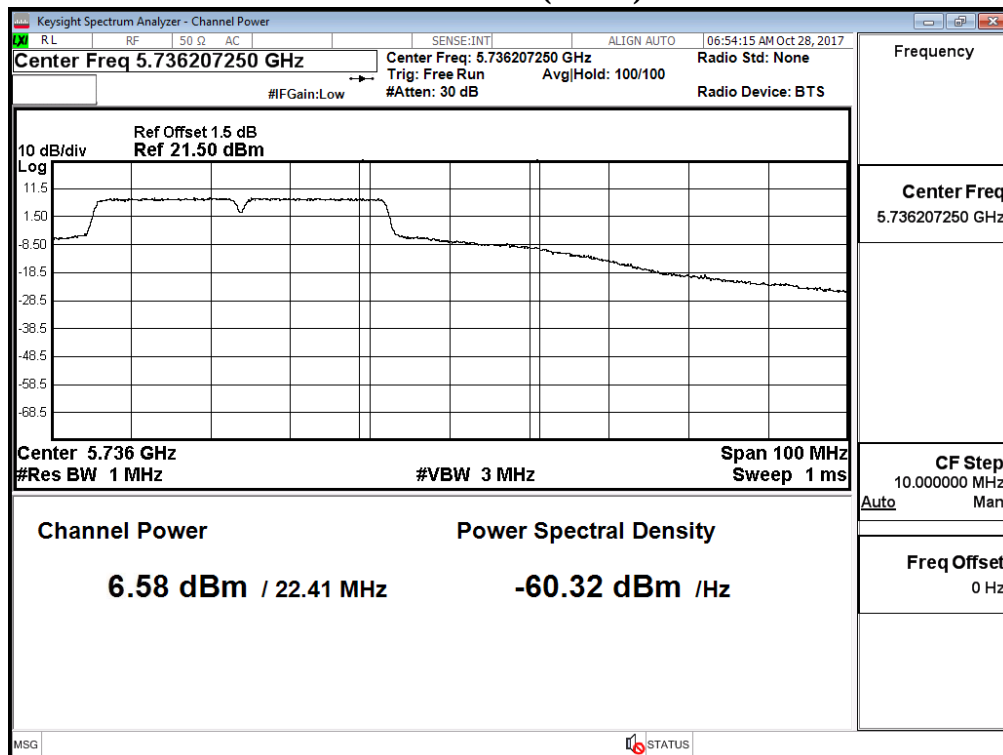


Maximum conducted output power:

Channel 142 (Band3)



Channel 142 (Band4)



待測物名稱：Intel® Wireless-AC 9560

待測物型號：9560NGW

測試項目：峰值發射功率

測試頻道：--

測試模式：Mode 1: 發射器 802.11ac-80BW -SISOA

6 dB 頻寬：1MHz

視頻頻寬：3MHz

檢測器：峰值

環境溫度：25 °C

測試日期：106 年 10 月 12 日

環境濕度：56 %

Cable loss=1.5dB		Maximum conducted output power										
Channel No	Frequency (MHz)	Data Rate (Mbps)										Required Limit
		VTH0	VTH1	VTH2	VTH3	VTH4	VTH5	VTH6	VTH7	VTH8	VTH9	
42	5210	16.21	16.15	16.08	15.99	15.91	15.83	15.75	15.66	15.59	15.51	<24dBm
58	5290	16.33	16.27	16.20	16.11	16.02	15.96	15.88	15.82	15.73	15.67	<24dBm
106	5530	16.91	19.83	19.75	19.68	19.60	19.53	19.45	19.39	19.32	19.25	<24dBm
122	5610	21.35	21.24	21.16	21.08	20.94	20.88	20.71	20.63	20.59	20.46	<24dBm
138(Band3)	5690	21.23	21.15	22.06	21.98	21.91	21.83	21.75	21.69	21.61	21.54	<24dBm
138(Band4)	5690	5.02	4.91	4.83	4.77	4.70	4.63	4.58	4.50	4.43	4.37	<30dBm
155	5775	18.08	17.97	17.90	17.83	17.76	17.68	17.62	17.56	17.50	17.42	<30dBm

Note: Maximum conducted output power Value = Reading value on average power meter + cable loss

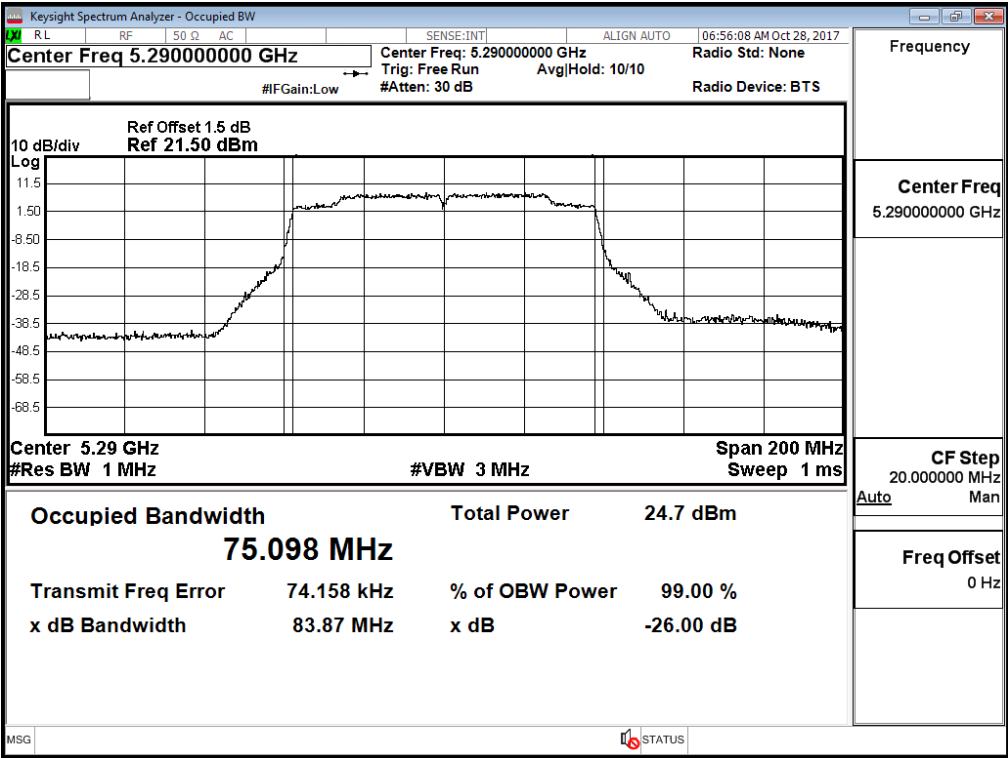
Maximum conducted output power Measurement

Channel No	Frequency Range	99% Bandwidth	Output Power	Total Output Power	Output Power Limit		Result
	(MHz)	(MHz)	(dBm)	(dBm)	(dBm)	dBm+10log(BW)	
42	5210	--	16.21	16.21	24	--	Pass
58	5290	75.098	16.33	16.33	24	29.76	Pass
106	5530	75.123	16.91	16.91	24	29.76	Pass
122	5610	134.090	21.35	21.35	24	32.27	Pass
138(Band3)	5690	104.062	21.23	21.23	24	31.17	Pass
138(Band4)	5690	--	5.02	5.02	30	--	Pass
155	5775	--	18.08	18.08	30	--	Pass

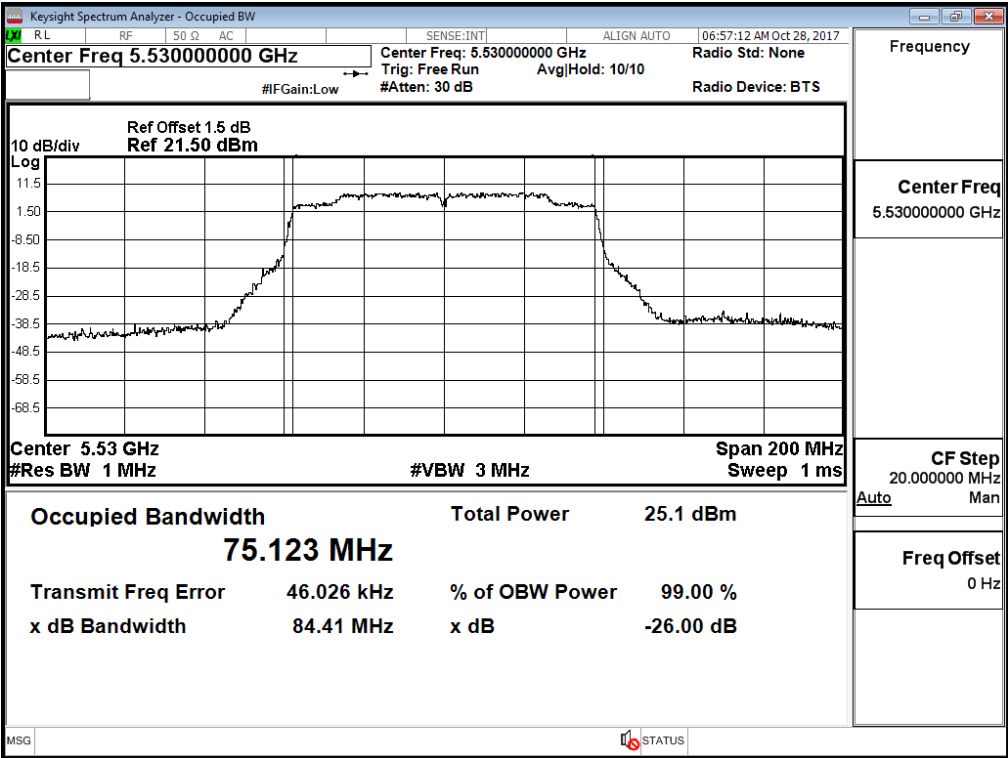
Note:

1. Output Power (dBm) = Reading value on average power meter + cable loss

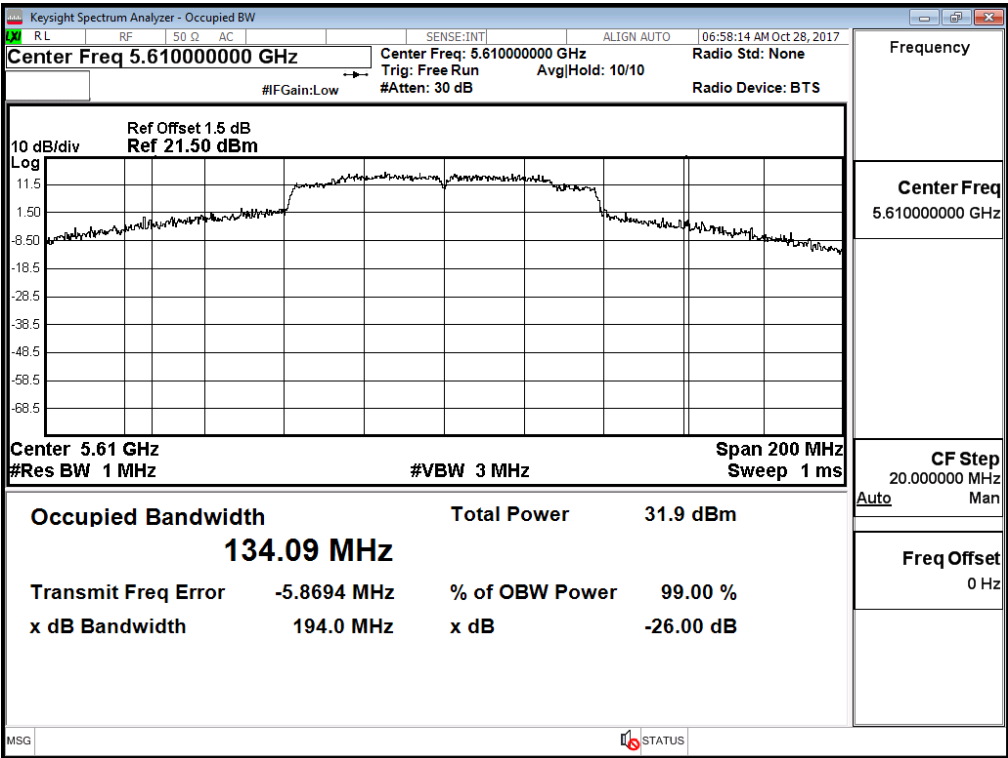
99% Occupied Bandwidth:
Channel 58



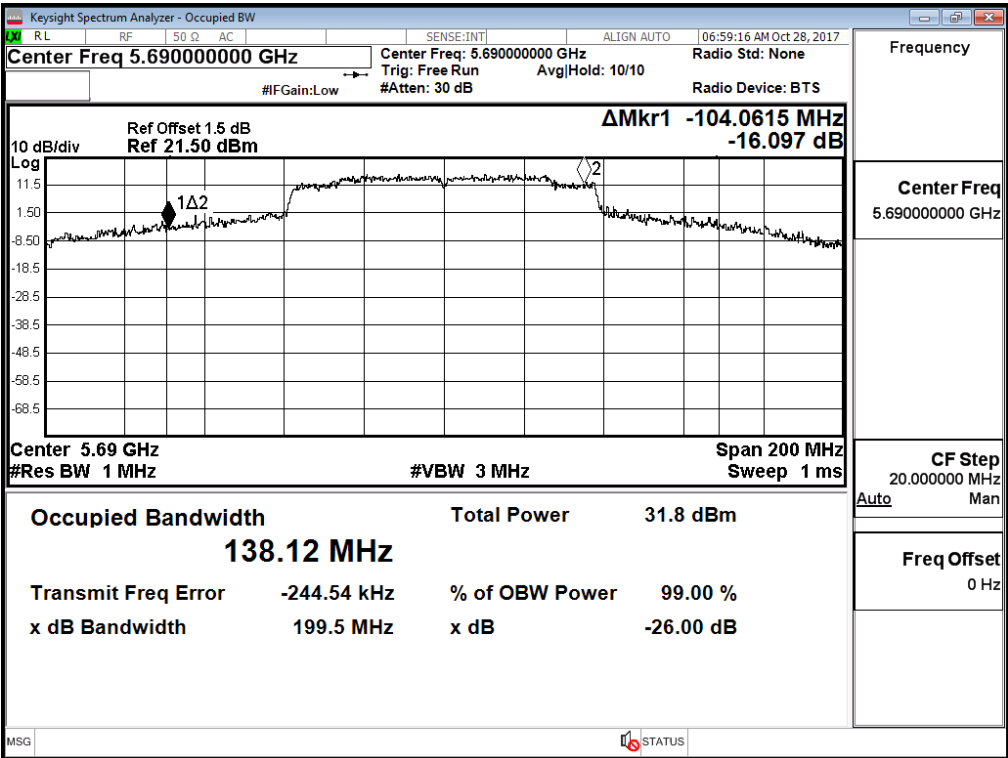
Channel 106



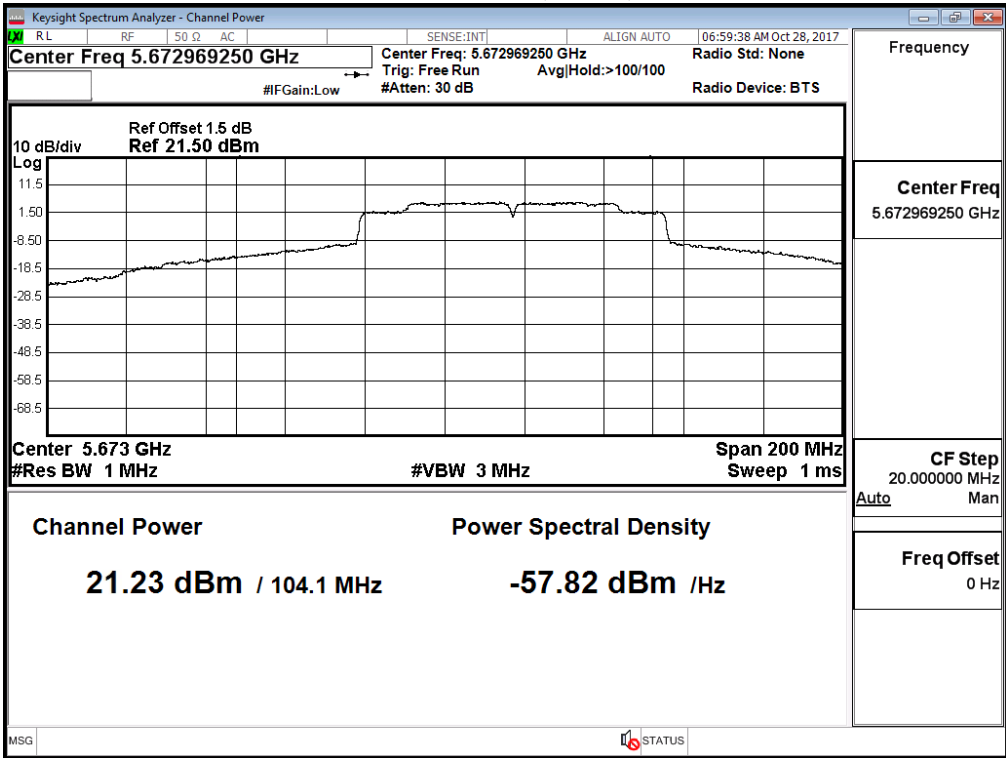
Channel 122



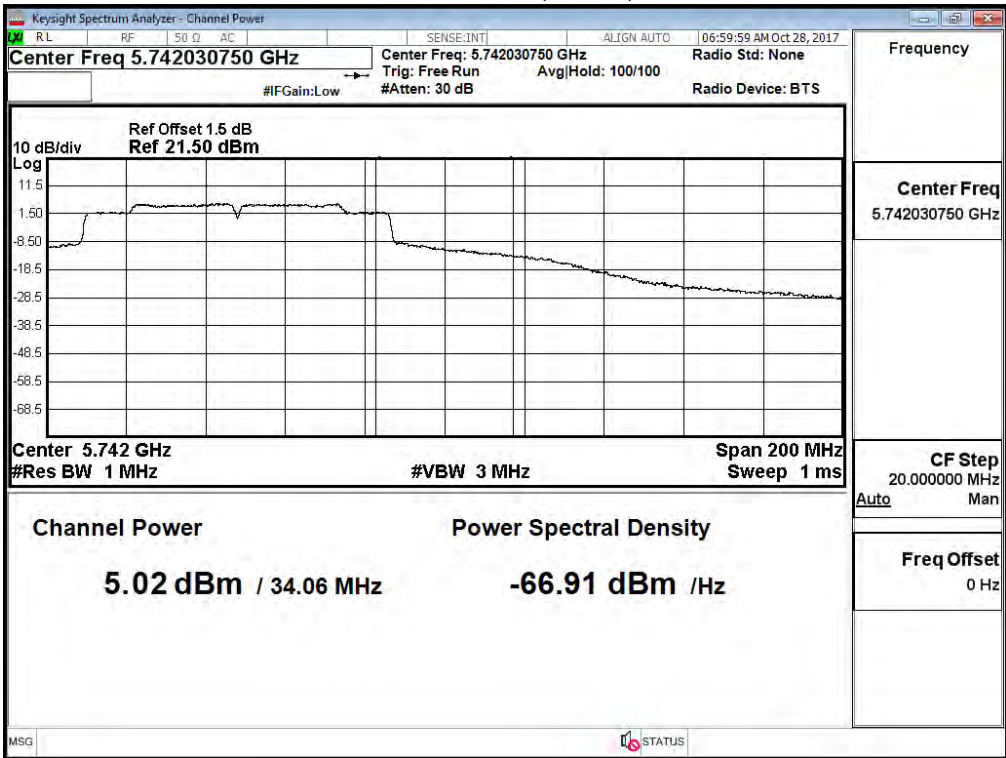
Channel 138



Maximum conducted output power:
Channel 138 (Band3)



Maximum conducted output power:
Channel 138 (Band4)



待測物名稱：Intel® Wireless-AC 9560

待測物型號：9560NGW

測試項目：峰值發射功率

測試頻道：--

測試模式：Mode 1: 發射器 802.11ac-160BW -SISOA

6 dB 頻寬：1MHz

視頻頻寬：3MHz

檢測器：峰值

環境溫度：25 °C

測試日期：106 年 10 月 12 日

環境濕度：56 %

Cable loss=1.5dB		Maximum conducted output power										
Channel No	Frequency (MHz)	Data Rate (Mbps)										Required Limit
		VTH0	VTH1	VTH2	VTH3	VTH4	VTH5	VTH6	VTH7	VTH8	VTH9	
50(Band1)	5250	10.77	10.70	10.65	10.58	10.50	10.43	10.36	10.29	10.23	10.17	<24dBm
50(Band2)	5250	10.81	10.73	10.66	10.60	10.53	10.46	10.39	10.32	10.25	10.18	<24dBm
114	5570	12.70	11.61	11.53	11.45	11.38	11.32	11.23	11.15	11.09	11.01	<24dBm

Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

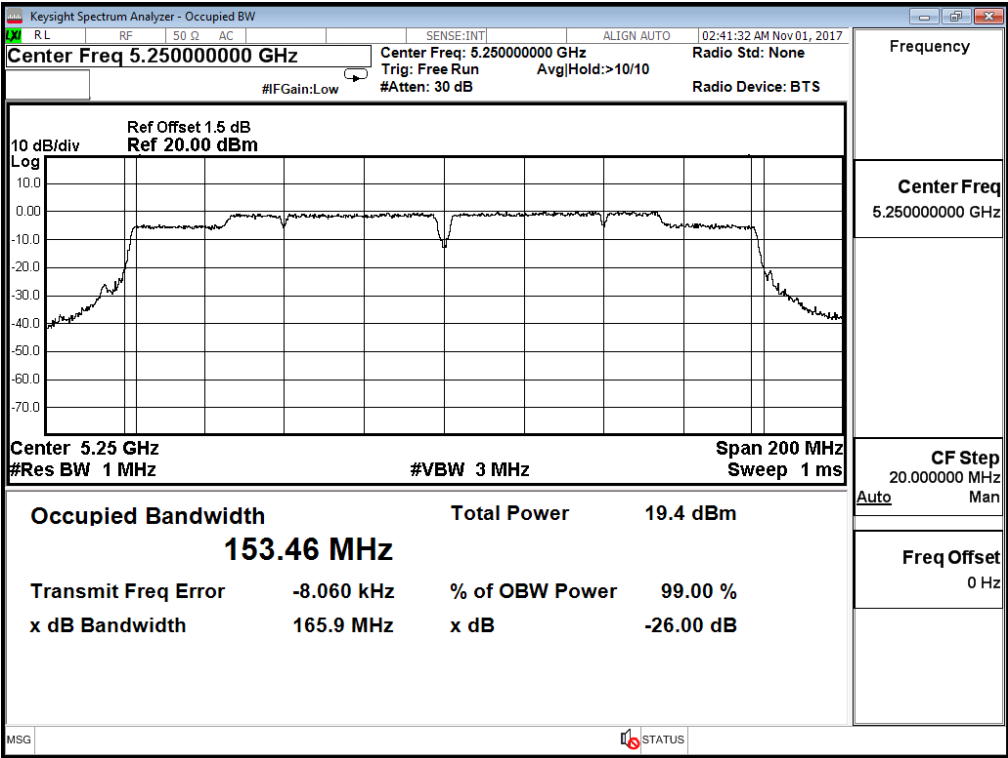
Maximum conducted output power Measurement

Channel No	Frequency Range	99% Bandwidth	Output Power	Total Output Power	Output Power Limit		Result
	(MHz)	(MHz)	(dBm)	(dBm)	(dBm)	dBm+10log(BW)	
50(Band1)	5250	--	10.77	10.77	24	--	Pass
50(Band2)	5250	76.730	10.81	10.81	24	29.85	Pass
114	5570	152.800	12.70	12.70	24	32.84	Pass

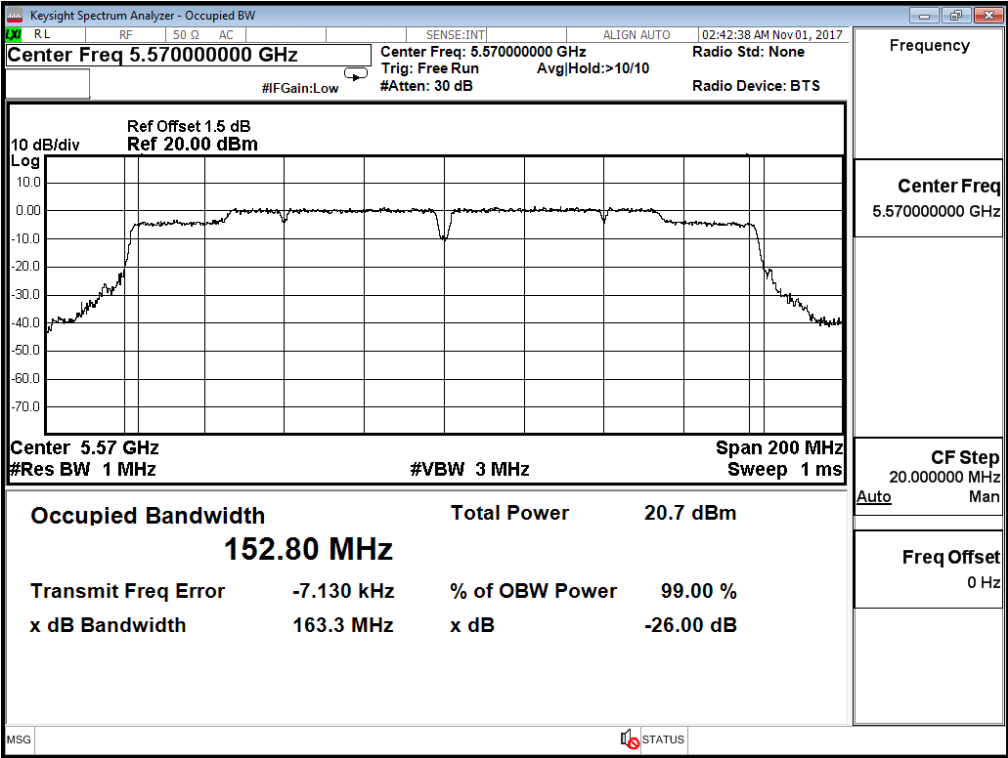
Note:

1. Output Power (dBm) = Reading value on Spectrum Analyzer + cable loss

99% Occupied Bandwidth:
Channel 50



Channel 114



待測物名稱：Intel® Wireless-AC 9560

待測物型號：9560NGW

測試項目：峰值發射功率

測試頻道：--

測試模式：Mode 2: 發射器 802.11a -SISOB

6 dB 頻寬：1MHz

視頻頻寬：3MHz

檢測器：峰值

環境溫度：25 °C

測試日期：106 年 10 月 16 日

環境濕度：56 %

Cable loss=1.5dB		Maximum conducted output power								
Channel No.	Frequency (MHz)	Data Rate (Mbps)								Required Limit
		6	9	12	18	24	36	48	54	
		Measurement Level (dBm)								
36	5180	16.52	--	--	--	--	--	--	--	<24dBm
40	5220	21.33	21.14	21.09	21.00	20.95	20.84	20.76	20.69	<24dBm
48	5240	21.37	--	--	--	--	--	--	--	<24dBm
52	5260	21.39	--	--	--	--	--	--	--	<24dBm
56	5300	21.35	21.23	21.18	21.10	21.05	20.95	20.84	20.73	<24dBm
64	5320	17.2	--	--	--	--	--	--	--	<24dBm
100	5500	17.21	--	--	--	--	--	--	--	<24dBm
120	5580	21.38	21.07	21.00	20.93	20.84	20.76	20.69	20.52	<24dBm
140	5700	17.01	--	--	--	--	--	--	--	<24dBm
149	5745	21.37	--	--	--	--	--	--	--	<30dBm
157	5785	21.33	21.13	21.08	21.00	20.95	20.88	20.82	20.79	<30dBm
165	5825	21.42	--	--	--	--	--	--	--	<30dBm

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

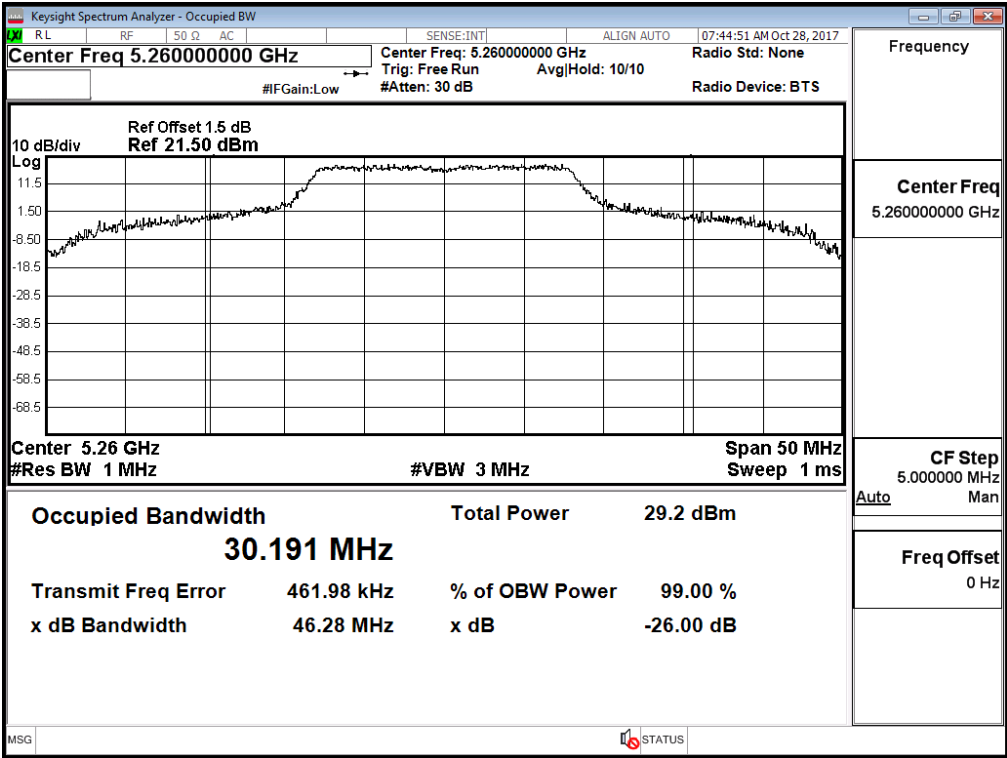
Maximum conducted output power Measurement:

Channel No	Frequency Range	99% Bandwidth	Output Power	Total Output Power	Output Power Limit		Result
	(MHz)	(MHz)	(dBm)	(dBm)	(dBm)	dBm+10log(BW)	
36	5180	--	16.52	16.52	24	--	Pass
40	5220	--	21.33	21.33	24	--	Pass
48	5240	--	21.37	21.37	24	--	Pass
52	5260	30.191	21.39	21.39	24	25.80	Pass
56	5300	31.090	21.35	21.35	24	25.93	Pass
64	5320	18.008	17.20	17.20	24	23.55	Pass
100	5500	17.951	17.21	17.21	24	23.54	Pass
120	5580	25.817	21.38	21.38	24	25.12	Pass
140	5700	17.944	17.01	17.01	24	23.54	Pass
149	5745	--	21.37	21.37	30	--	Pass
157	5785	--	21.33	21.33	30	--	Pass
165	5825	--	21.42	21.42	30	--	Pass

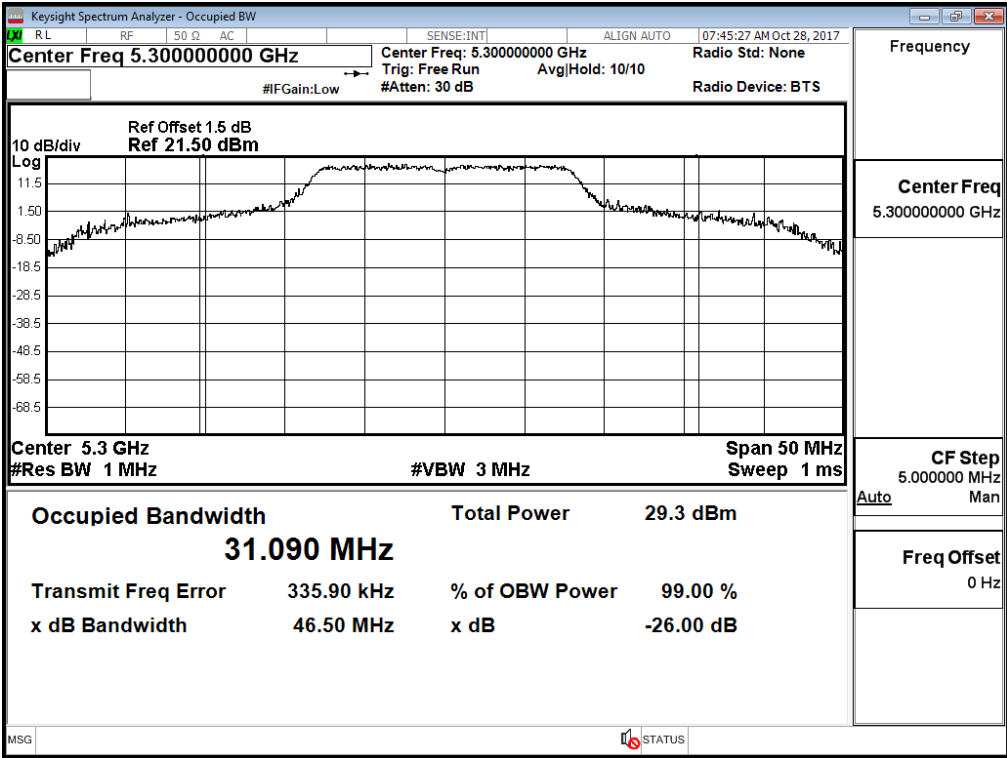
Note:

1. Power Output Value =Reading value on average power meter + cable loss

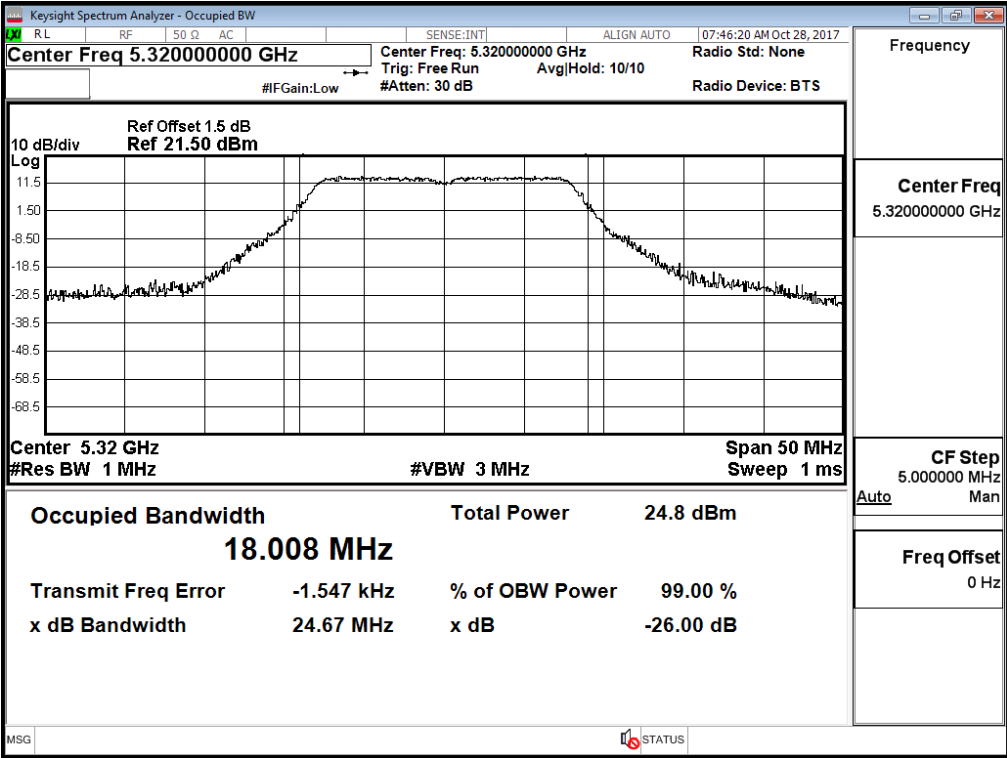
99% Occupied Bandwidth:
Channel 52



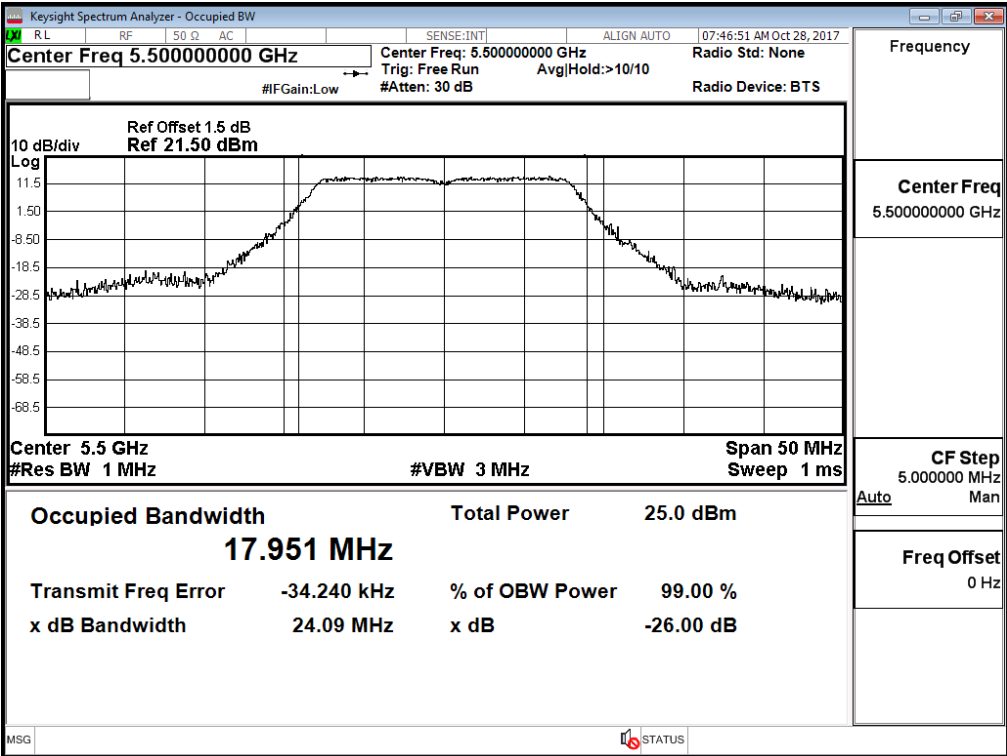
Channel 60



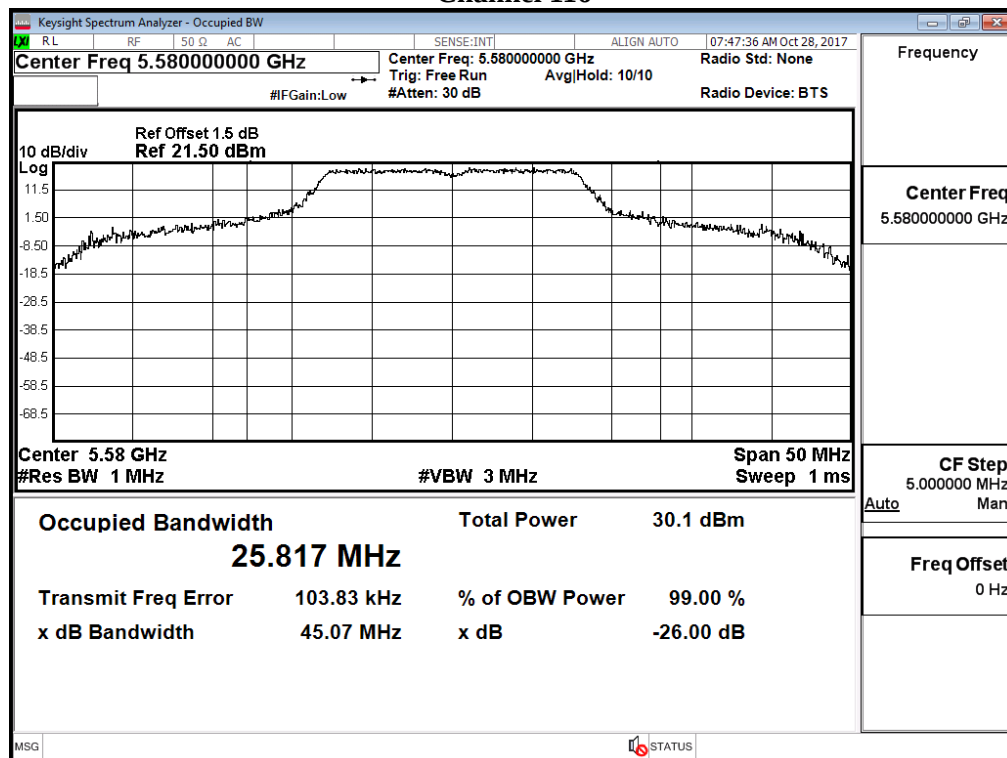
Channel 64



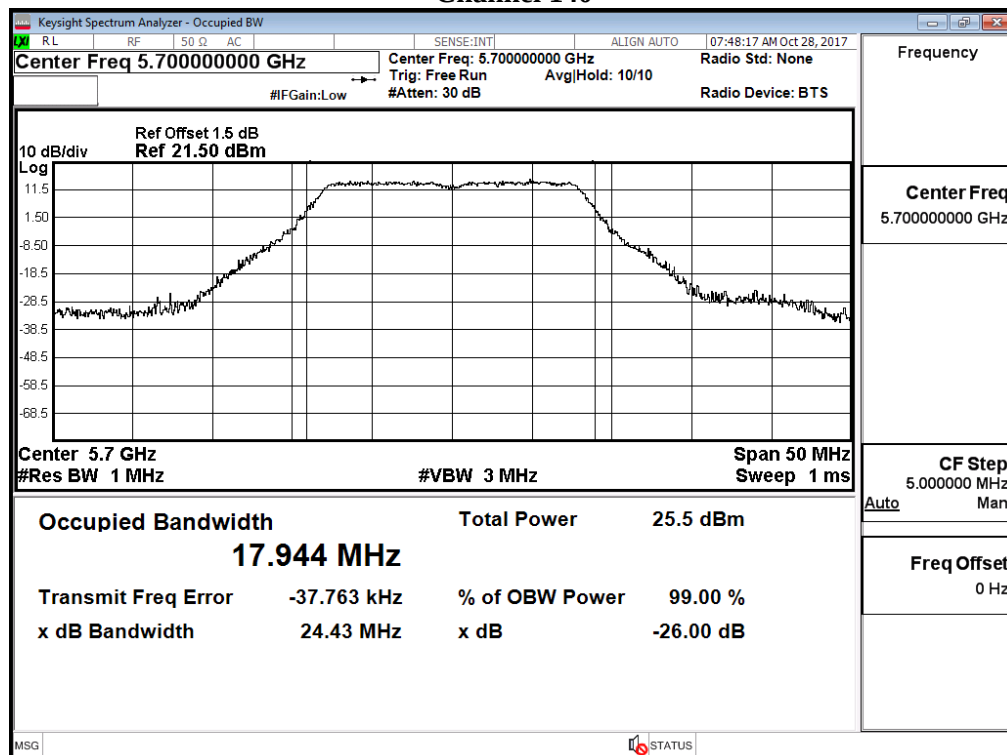
Channel 100



Channel 116



Channel 140



待測物名稱：Intel® Wireless-AC 9560

待測物型號：9560NGW

測試項目：峰值發射功率

測試頻道：--

測試模式：Mode 2: 發射器 802.11n-20BW -SISOB

6 dB 頻寬：1MHz

視頻頻寬：3MHz

檢測器：峰值

環境溫度：25 °C

測試日期：106 年 10 月 16 日

環境濕度：56 %

Cable loss=1.5dB		Maximum conducted output power								
Channel No.	Frequency (MHz)	Data Rate (Mbps)								Required Limit
		7.2	14.4	21.7	28.9	43.3	57.8	65	72.2	
		Measurement Level (dBm)								
36	5180	16.5	--	--	--	--	--	--	--	<24dBm
40	5220	21.42	21.37	21.29	21.21	21.13	21.06	20.98	20.91	<24dBm
48	5240	21.3	--	--	--	--	--	--	--	<24dBm
52	5260	21.2	--	--	--	--	--	--	--	<24dBm
56	5300	21.50	21.41	21.32	21.25	21.18	21.11	21.03	20.95	<24dBm
64	5320	17.17	--	--	--	--	--	--	--	<24dBm
100	5500	17.13	--	--	--	--	--	--	--	<24dBm
120	5580	21.40	21.32	21.25	21.18	21.11	21.03	20.96	20.75	<24dBm
140	5700	17	--	--	--	--	--	--	--	<24dBm
149	5745	21.31	--	--	--	--	--	--	--	<30dBm
157	5785	21.25	21.19	21.13	21.07	21.00	20.95	20.83	20.79	<30dBm
165	5825	21.44	--	--	--	--	--	--	--	<30dBm

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

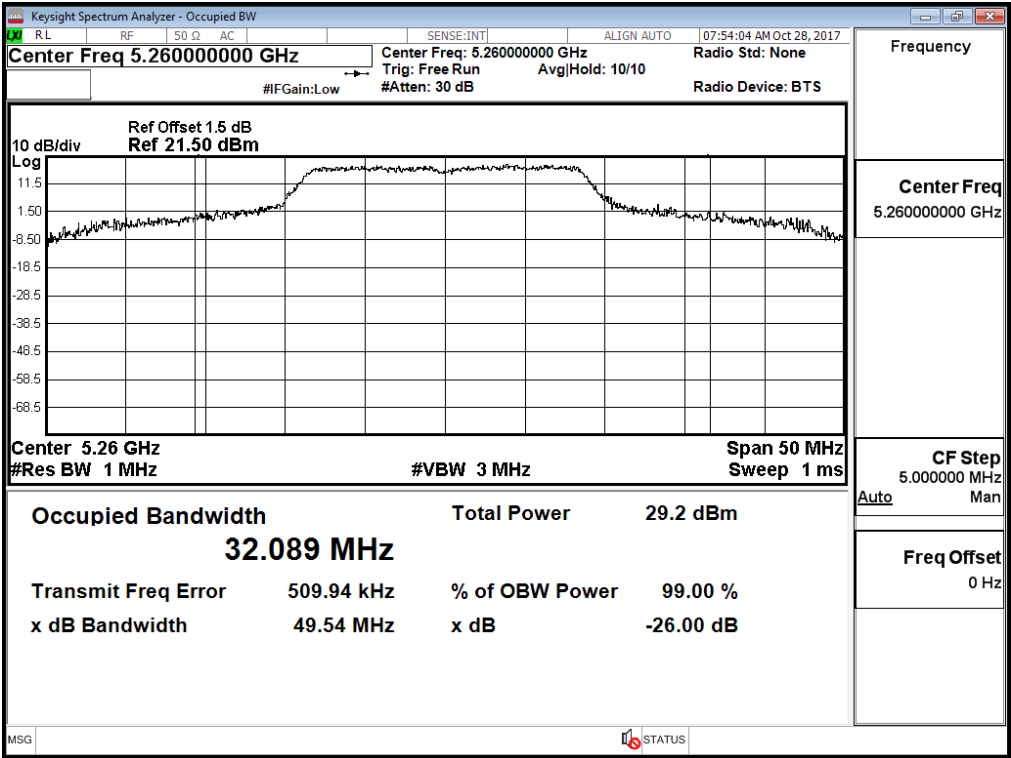
Maximum conducted output power Measurement:

Channel No	Frequency Range	99% Bandwidth	Output Power	Total Output Power	Output Power Limit		Result
	(MHz)	(MHz)	(dBm)	(dBm)	(dBm)	dBm+10log(BW)	
36	5180	--	16.5	16.50	24	--	Pass
40	520	--	21.42	21.42	24	--	Pass
48	5240	--	21.3	21.30	24	--	Pass
52	5260	32.089	21.2	21.20	24	26.06	Pass
56	5300	34.994	21.5	21.50	24	26.44	Pass
64	5320	18.979	17.17	17.17	24	23.78	Pass
100	5500	19.008	17.13	17.13	24	23.79	Pass
120	5580	27.373	21.4	21.40	24	25.37	Pass
140	5700	19.019	17	17.00	24	23.79	Pass
149	5745	--	21.31	21.31	30	--	Pass
157	5785	--	21.25	21.25	30	--	Pass
165	5825	--	21.44	21.44	30	--	Pass

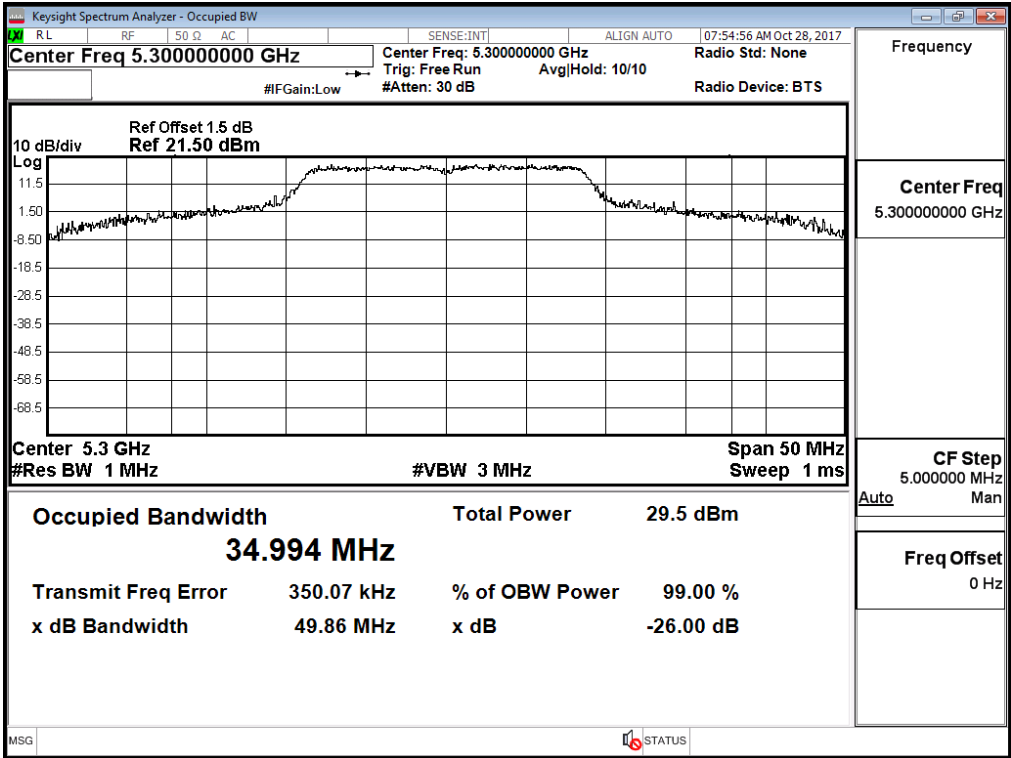
Note:

1. Power Output Value = Reading value on average power meter + cable loss

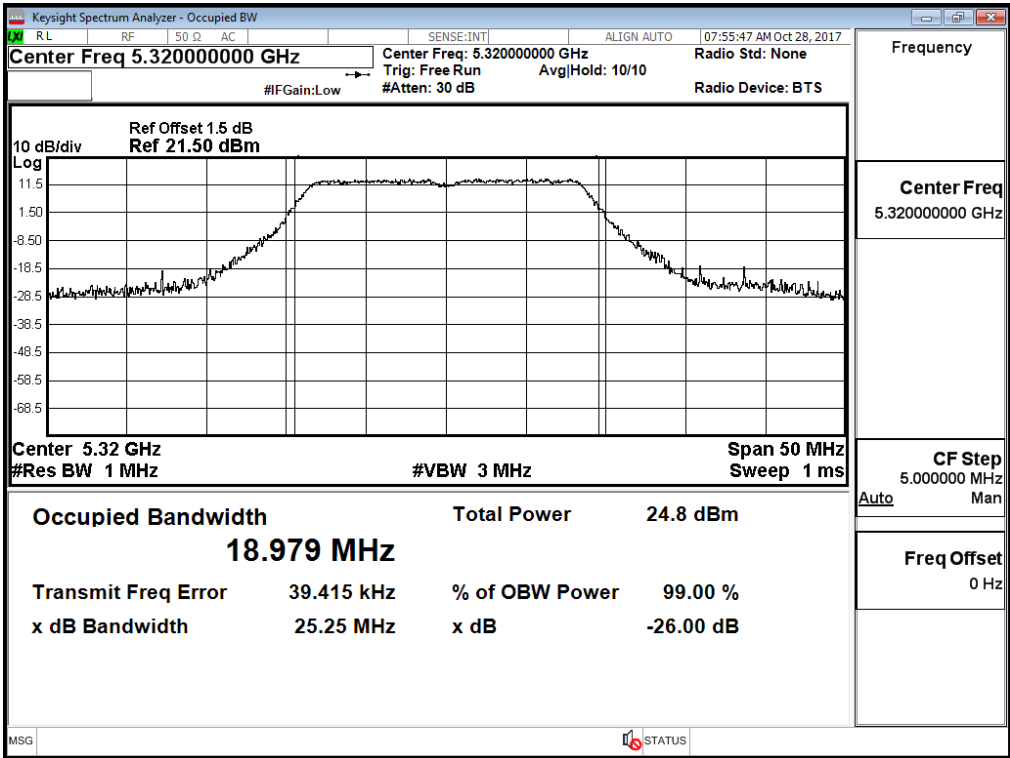
99% Occupied Bandwidth:
Channel 52



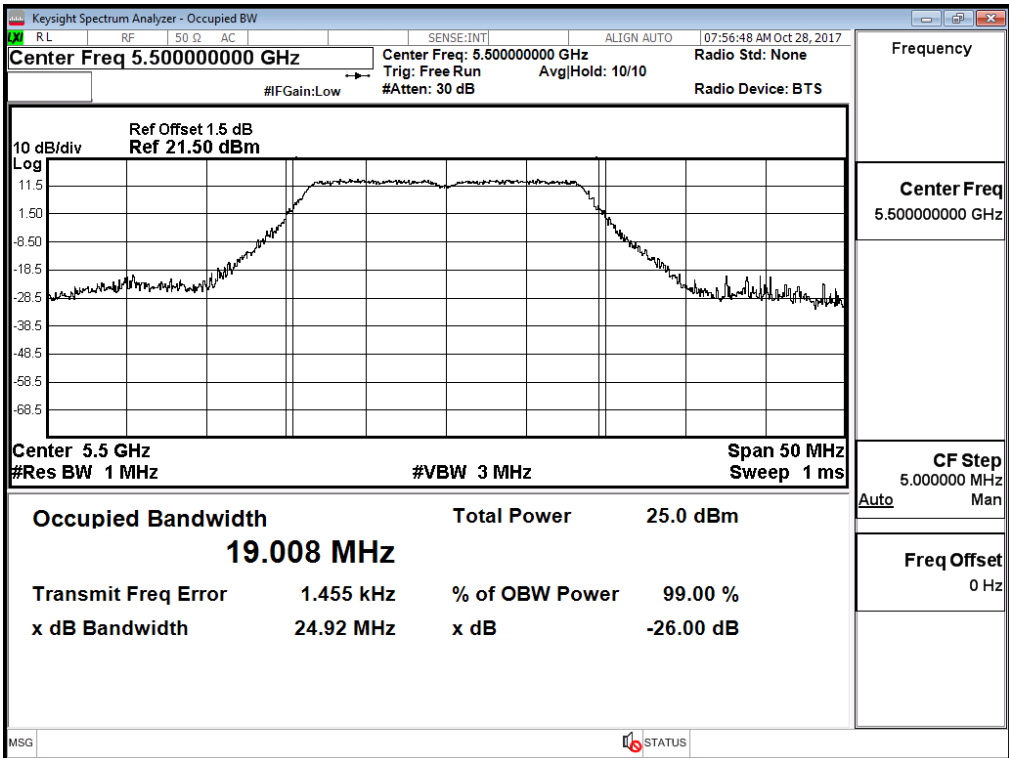
Channel 60



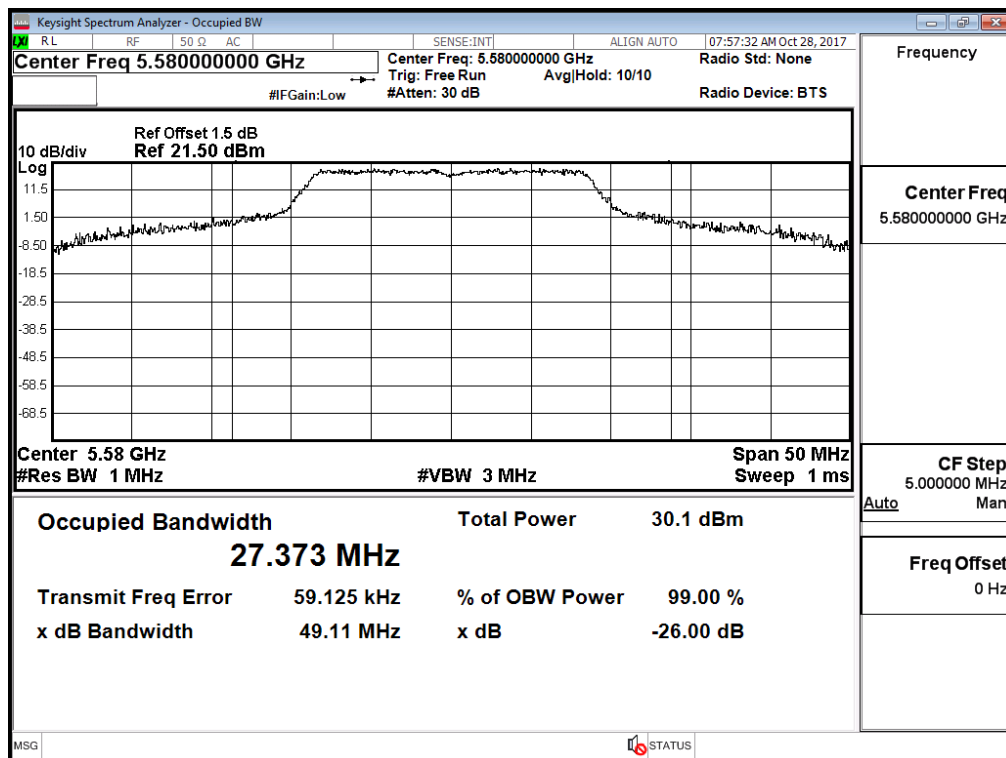
Channel 64



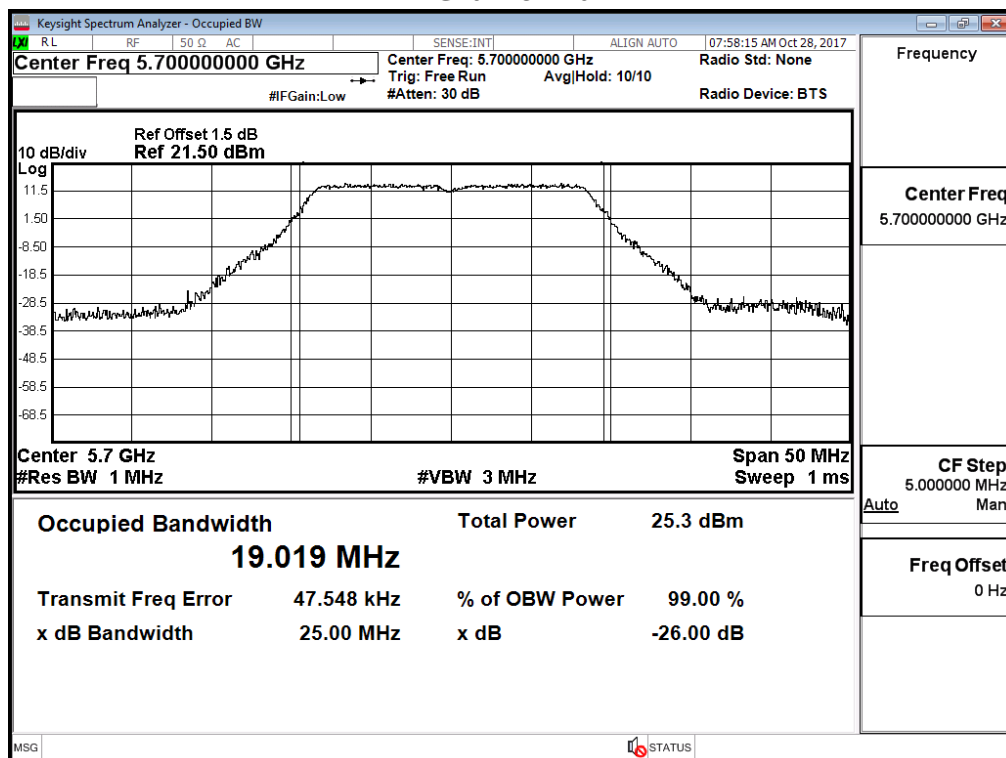
Channel 100



Channel 116



Channel 140



待測物名稱：Intel® Wireless-AC 9560

待測物型號：9560NGW

測試項目：峰值發射功率

測試頻道：--

測試模式：Mode 2: 發射器 802.11n-40BW -SISOB

6 dB 頻寬：1MHz

視頻頻寬：3MHz

檢測器：峰值

環境溫度：25 °C

測試日期：106 年 10 月 16 日

環境濕度：56 %

Cable loss=1.5dB		Maximum conducted output power								
Channel No.	Frequency (MHz)	Data Rate (Mbps)								Required Limit
		15	30	45	60	90	120	135	150	
		Measurement Level (dBm)								
38	5190	16.38	16.31	16.24	16.18	16.10	16.01	15.95	19.88	<24dBm
46	5230	21.47	--	--	--	--	--	--	--	<24dBm
54	5270	21.29	21.24	21.19	21.13	21.08	21.00	20.93	20.87	<24dBm
62	5310	17.07	--	--	--	--	--	--	--	<24dBm
102	5510	17.28	--	--	--	--	--	--	--	<24dBm
118	5550	21.42	21.35	21.27	21.15	21.04	20.96	20.84	20.72	<24dBm
134	5670	17.1	--	--	--	--	--	--	--	<24dBm
151	5755	21.30	21.20	21.14	21.07	20.99	20.90	20.83	20.78	<30dBm
159	5795	21.43	--	--	--	--	--	--	--	<30dBm

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

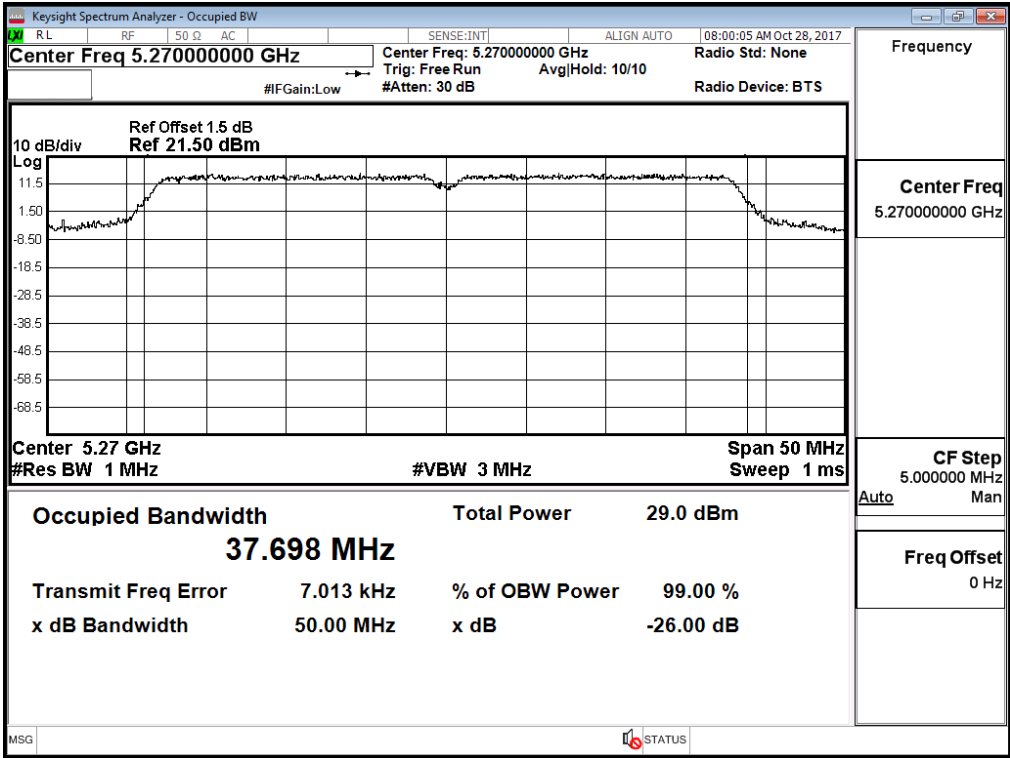
Maximum conducted output power Measurement:

Channel No	Frequency Range	99% Bandwidth	Output Power	Total Output Power	Output Power Limit		Result
	(MHz)	(MHz)	(dBm)	(dBm)	(dBm)	dBm+10log(BW)	
38	5190	--	16.38	16.38	24	--	Pass
46	5230	--	21.47	21.47	24	--	Pass
54	5270	37.698	21.29	21.29	24	26.76	Pass
62	5310	36.649	17.07	17.07	24	26.64	Pass
102	5510	36.822	17.28	17.28	24	26.66	Pass
118	5550	55.057	21.42	21.42	24	28.41	Pass
134	5670	36.881	17.1	17.10	24	26.67	Pass
151	5755	--	21.3	21.30	30	--	Pass
159	5795	--	21.43	21.43	30	--	Pass

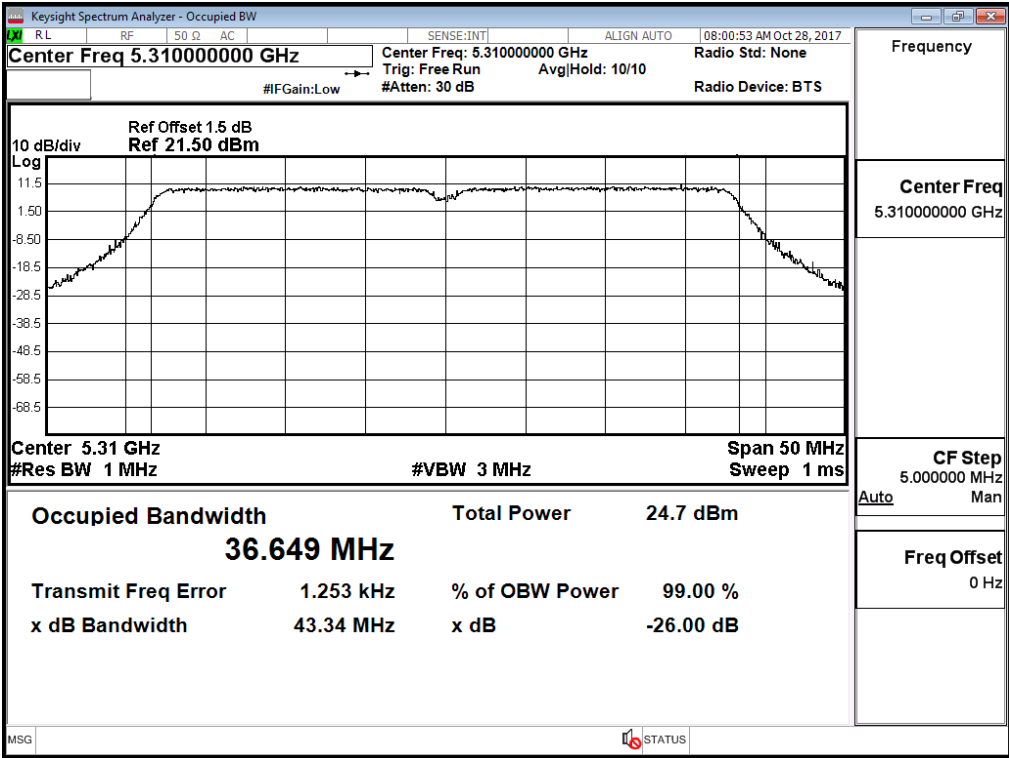
Note:

1. Power Output Value = Reading value on average power meter + cable loss

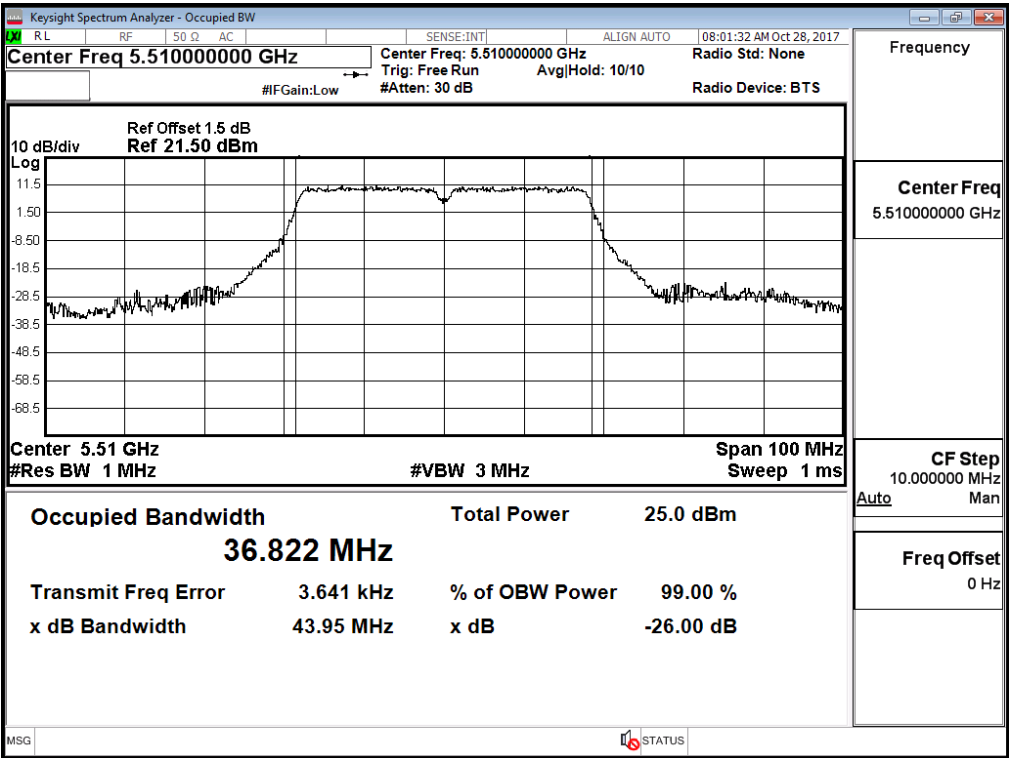
99% Occupied Bandwidth:
Channel 54



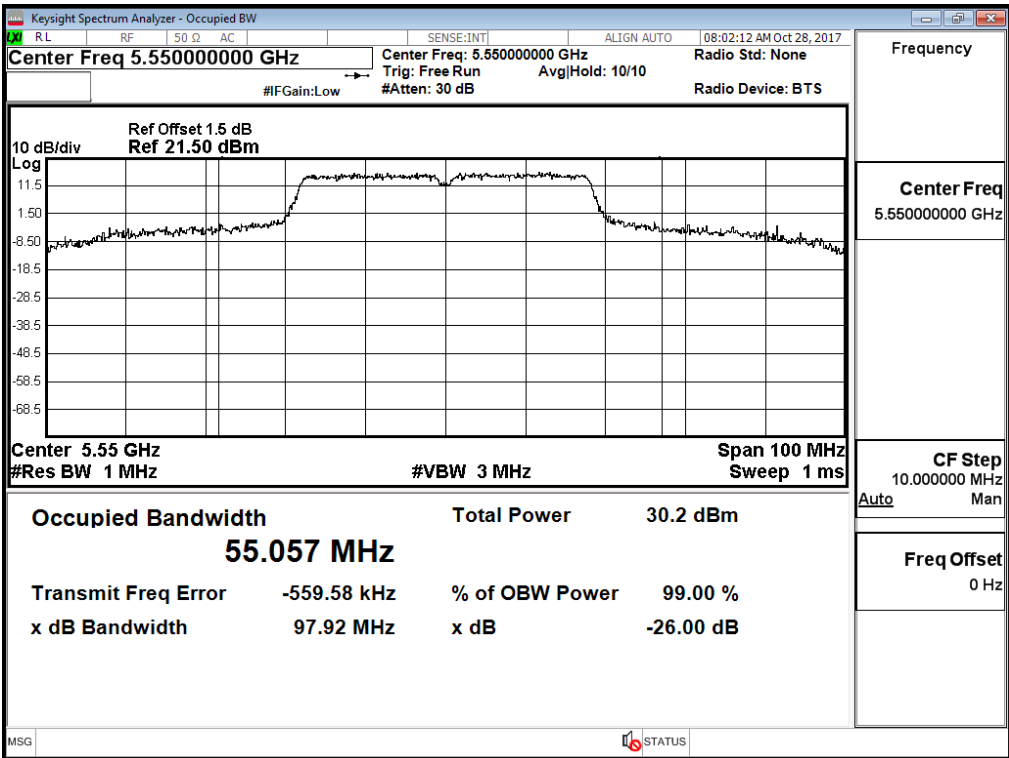
Channel 62



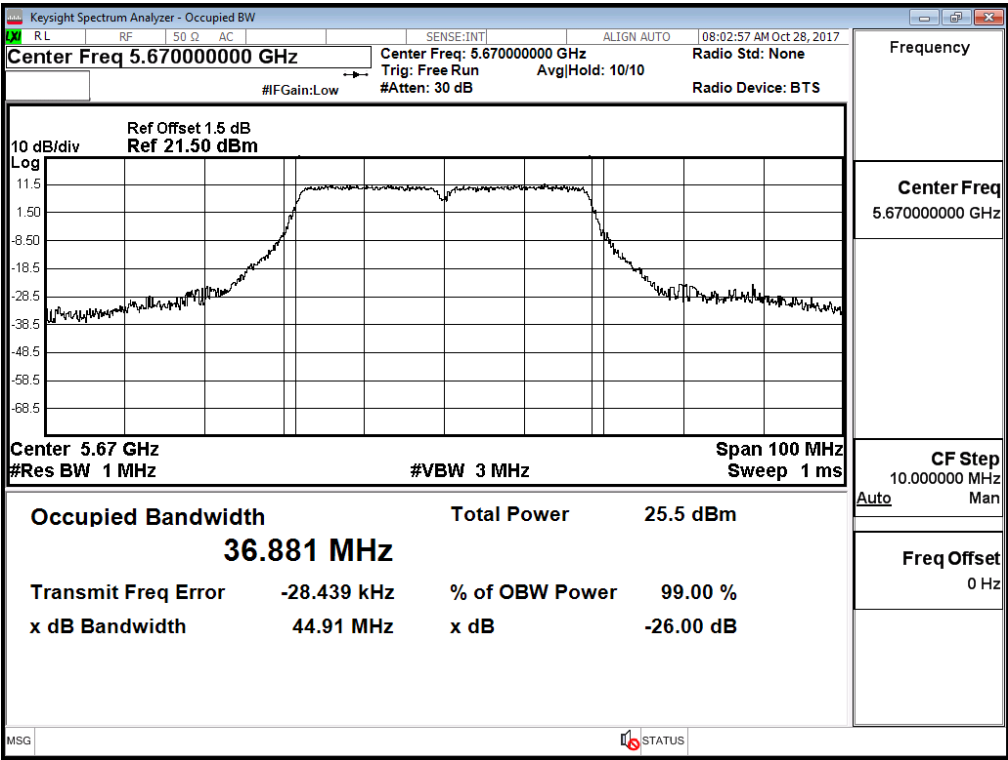
Channel 102



Channel 110



Channel 134



待測物名稱：Intel® Wireless-AC 9560

待測物型號：9560NGW

測試項目：峰值發射功率

測試頻道：--

測試模式：Mode 2: 發射器 802.11ac-20BW -SISOB

6 dB 頻寬：1MHz

視頻頻寬：3MHz

檢測器：峰值

環境溫度：25 °C

測試日期：106 年 10 月 12 日

環境濕度：56 %

Cable loss=1.5dB		Maximum conducted output power									
Channel No.	Frequency (MHz)	Data Rate (Mbps)									Required Limit
		VTH0	VTH1	VTH2	VTH3	VTH4	VTH5	VTH6	VTH7	VTH8	
		Measurement Level (dBm)									
144 (Band3)	5720	21.08	19.99	19.93	19.85	19.78	19.70	19.63	19.57	15.50	<24dBm
144 (Band4)	5720	7.19	7.11	7.02	6.95	6.89	6.82	6.74	6.68	6.61	<30dBm

Note: Maximum conducted output power Value = Reading value on average power meter + cable loss

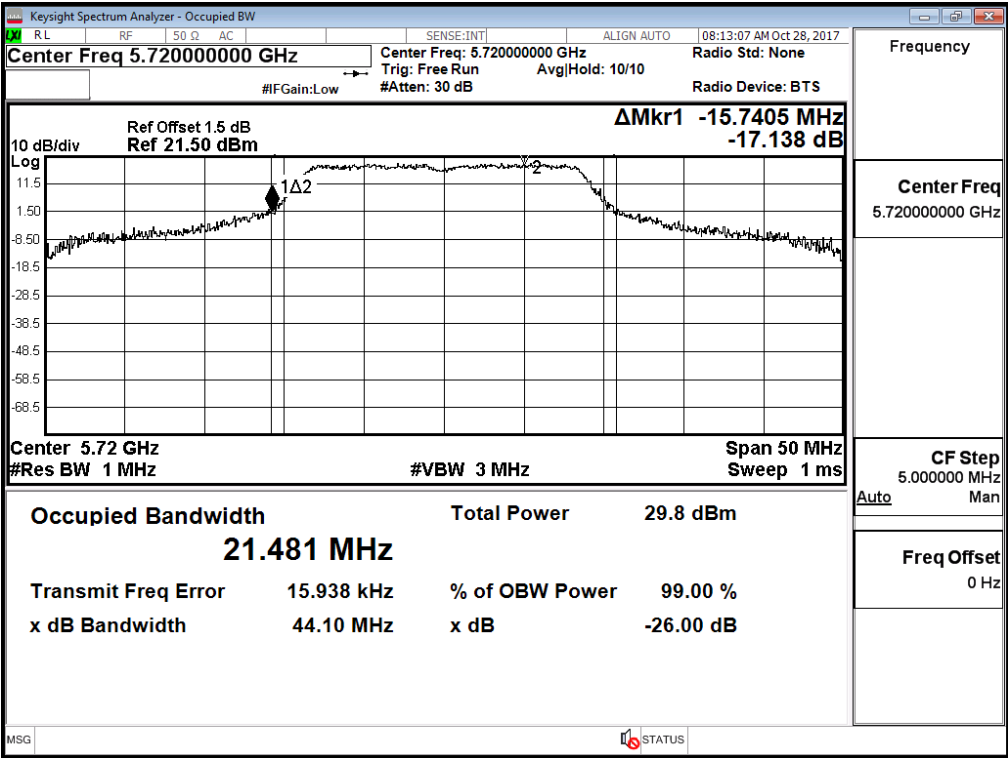
Maximum conducted output power Measurement:

Channel No	Frequency Range	99% Bandwidth	Output Power	Total Output Power	Output Power Limit		Result
	(MHz)	(MHz)	(dBm)	(dBm)	(dBm)	dBm+10log(BW)	
144(Band3)	5720	15.741	21.08	21.08	24	22.97	Pass
144(Band4)	5720	--	7.19	7.19	30	--	Pass

Note:

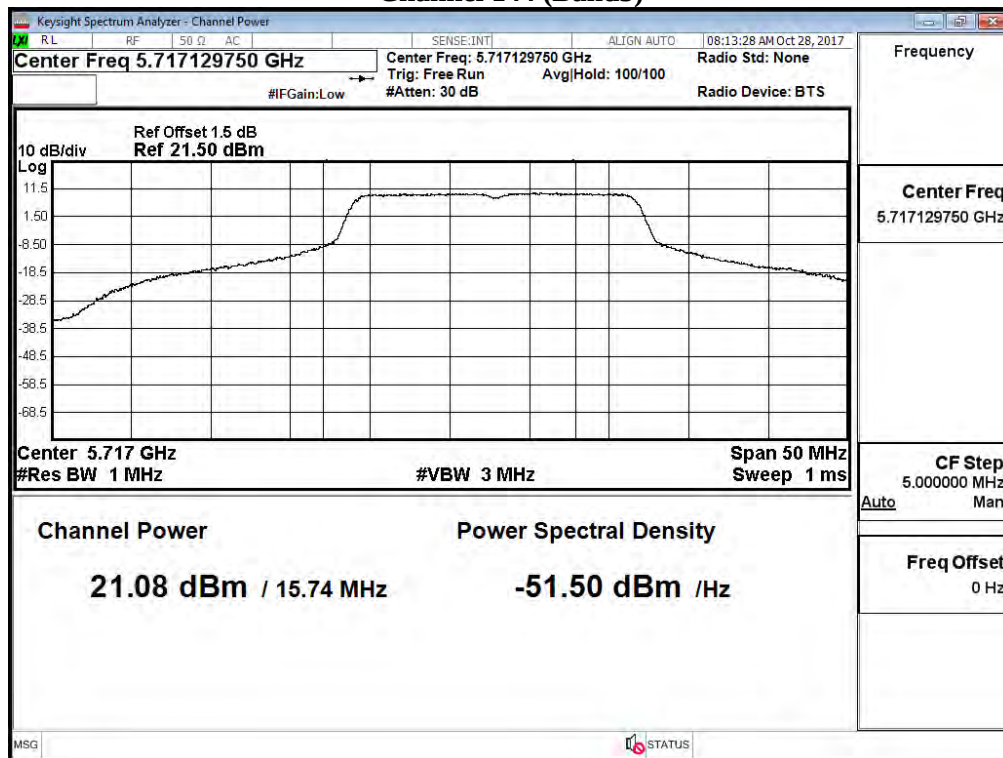
- Output Power (dBm) = Reading value on average power meter + cable loss

99% Occupied Bandwidth:
Channel 144

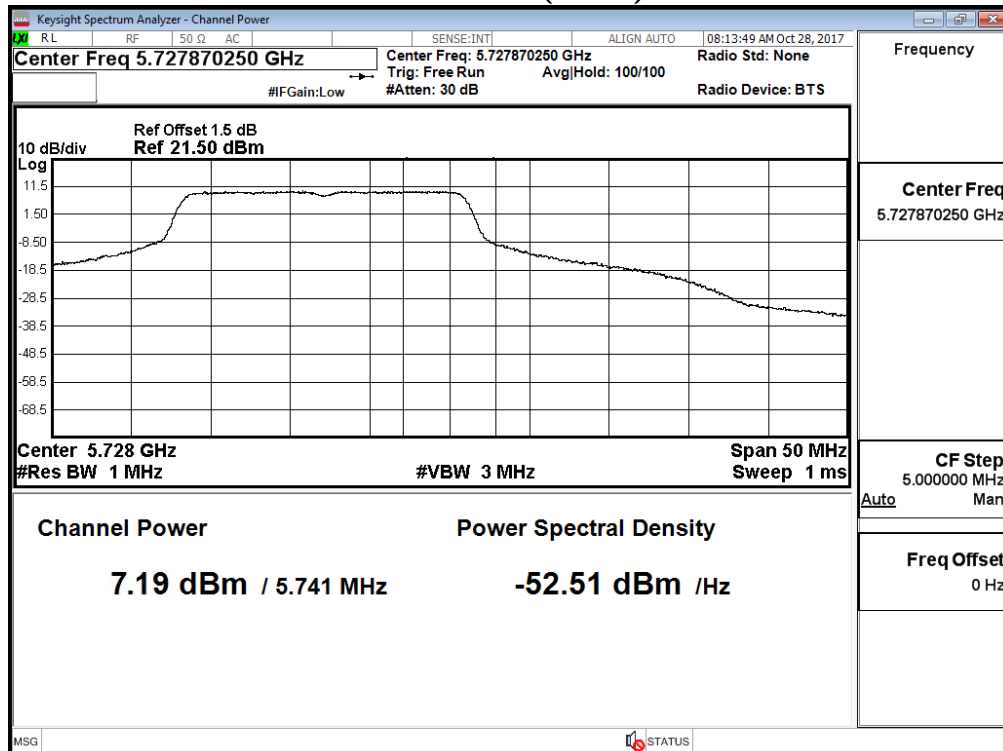


Maximum conducted output power:

Channel 144 (Band3)



Channel 144 (Band4)



待測物名稱：Intel® Wireless-AC 9560

待測物型號：9560NGW

測試項目：峰值發射功率

測試頻道：--

測試模式：Mode 2: 發射器 802.11ac-40BW -SISOB

6 dB 頻寬：1MHz

視頻頻寬：3MHz

檢測器：峰值

環境溫度：25 °C

測試日期：106 年 10 月 12 日

環境濕度：56 %

Cable loss=1.5dB		Maximum conducted output power									
Channel No	Frequency (MHz)	Data Rate (Mbps)									Required Limit
		VTH0	VTH1	VTH2	VTH3	VTH4	VTH5	VTH6	VTH7	VTH8	
142F(Band3)	5710	21.02	19.93	19.85	19.79	19.71	19.64	19.58	19.51	19.44	<24dBm
142F(Band4)	5710	7.44	7.38	7.30	7.24	7.13	7.06	6.99	6.91	6.83	<30dBm

Note: Maximum conducted output power Value = Reading value on average power meter + cable loss

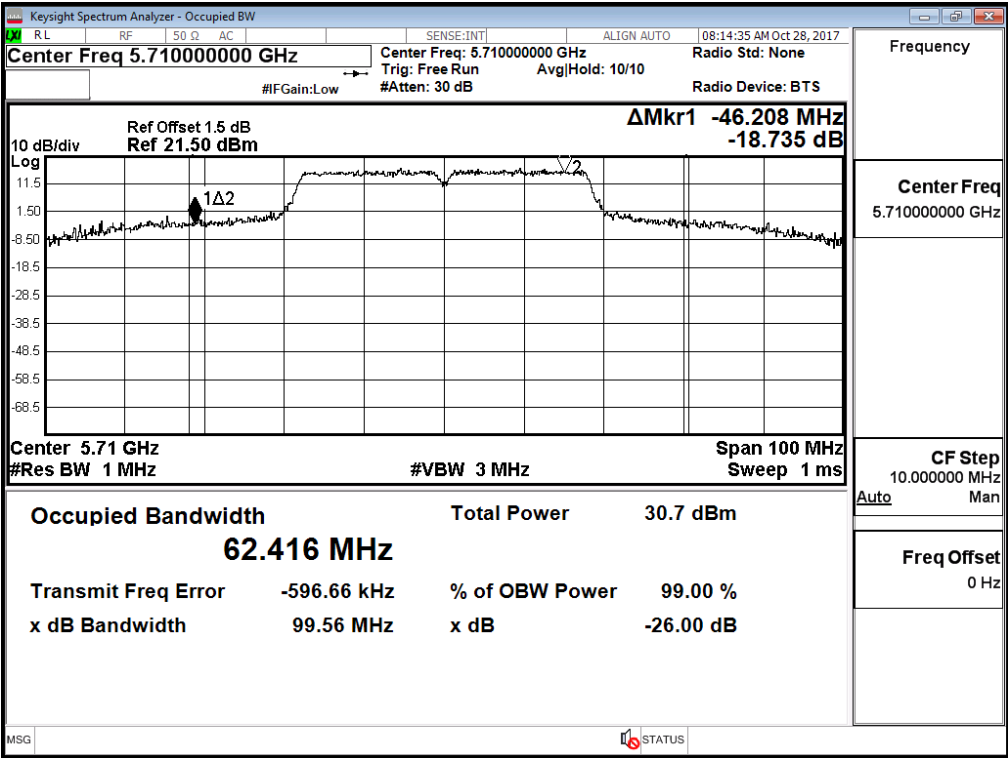
Maximum conducted output power Measurement:

Channel No	Frequency Range	99% Bandwidth	Output Power	Total Output Power	Output Power Limit		Result
	(MHz)	(MHz)	(dBm)	(dBm)	(dBm)	dBm+10log(BW)	
142F(Band3)	5710	46.208	21.02	21.02	24	27.65	Pass
142F(Band4)	5710	--	7.44	7.44	30	--	Pass

Note:

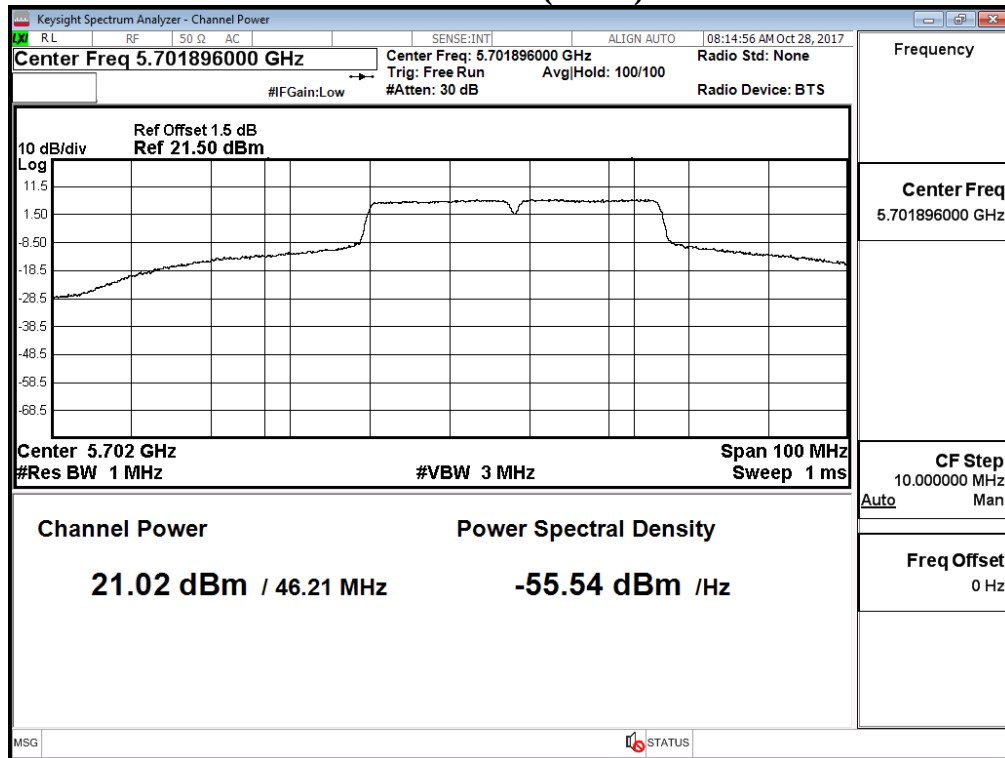
- Output Power (dBm) = Reading value on average power meter + cable loss

99% Occupied Bandwidth:
Channel 142

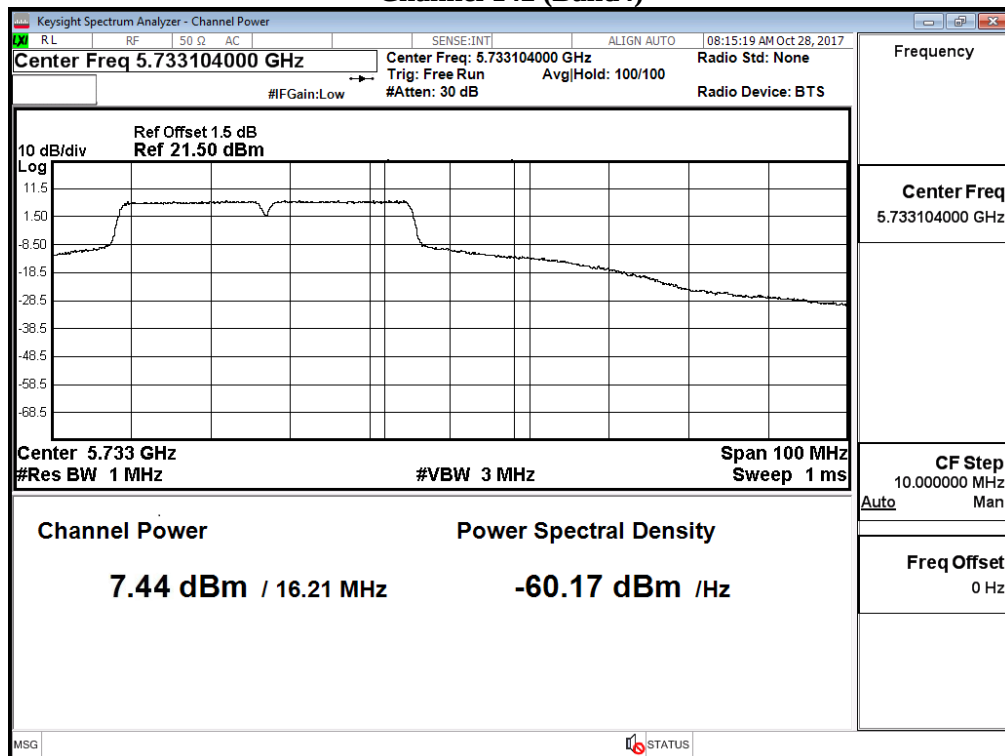


Maximum conducted output power:

Channel 142 (Band3)



Channel 142 (Band4)



待測物名稱：Intel® Wireless-AC 9560

待測物型號：9560NGW

測試項目：峰值發射功率

測試頻道：--

測試模式：Mode 2: 發射器 802.11ac-80BW -SISOB

6 dB 頻寬：1MHz

視頻頻寬：3MHz

檢測器：峰值

環境溫度：25 °C

測試日期：106 年 10 月 12 日

環境濕度：56 %

Cable loss=1.5dB		Maximum conducted output power										
Channel No	Frequency (MHz)	Data Rate (Mbps)										Required Limit
		VTH0	VTH1	VTH2	VTH3	VTH4	VTH5	VTH6	VTH7	VTH8	VTH9	
42	5210	16.33	16.27	16.18	16.11	16.04	15.96	15.89	15.81	15.74	15.66	<24dBm
58	5290	16.79	16.70	16.62	16.57	16.49	16.41	16.33	16.25	16.17	16.09	<24dBm
106	5530	16.57	16.50	16.43	16.35	16.27	16.21	16.13	16.06	15.99	15.91	<24dBm
122	5610	21.29	21.18	21.09	20.00	19.92	19.84	19.75	19.68	19.61	19.53	<24dBm
138(Band3)	5690	21.25	20.13	20.05	19.98	19.90	19.83	19.77	19.71	19.65	19.58	<24dBm
138(Band4)	5690	5.06	4.93	4.87	4.80	4.72	4.66	4.59	4.51	4.45	4.37	<30dBm
155	5775	18.00	17.91	17.82	17.71	17.65	17.52	17.41	17.33	17.25	17.18	<30dBm

Note: Maximum conducted output power Value = Reading value on average power meter + cable loss

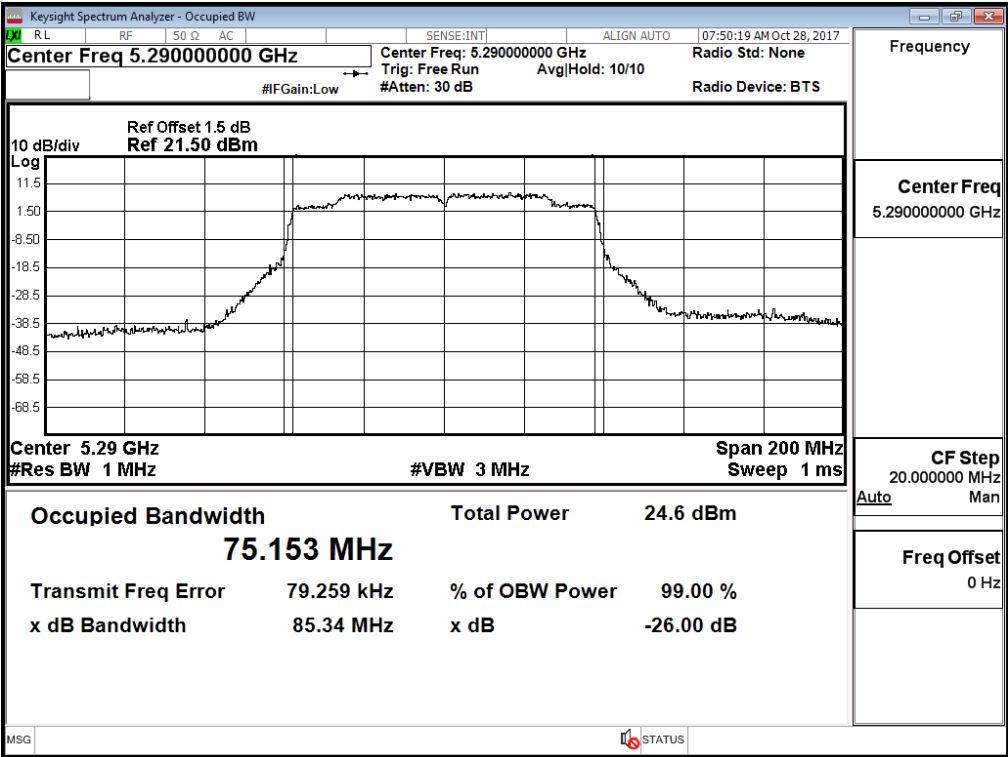
Maximum conducted output power Measurement

Channel No	Frequency Range	99% Bandwidth	Output Power	Total Output Power	Output Power Limit		Result
	(MHz)	(MHz)	(dBm)	(dBm)	(dBm)	dBm+10log(BW)	
42	5210	--	16.33	16.33	24	--	Pass
58	5290	75.153	16.79	16.79	24	29.76	Pass
106	5530	75.198	16.57	16.57	24	29.76	Pass
122	5610	82.091	21.29	21.29	24	30.14	Pass
138(Band3)	5690	78.183	21.25	21.25	24	29.93	Pass
138(Band4)	5690	--	5.06	5.06	30	--	Pass
155	5775	--	18.00	18.00	30	--	Pass

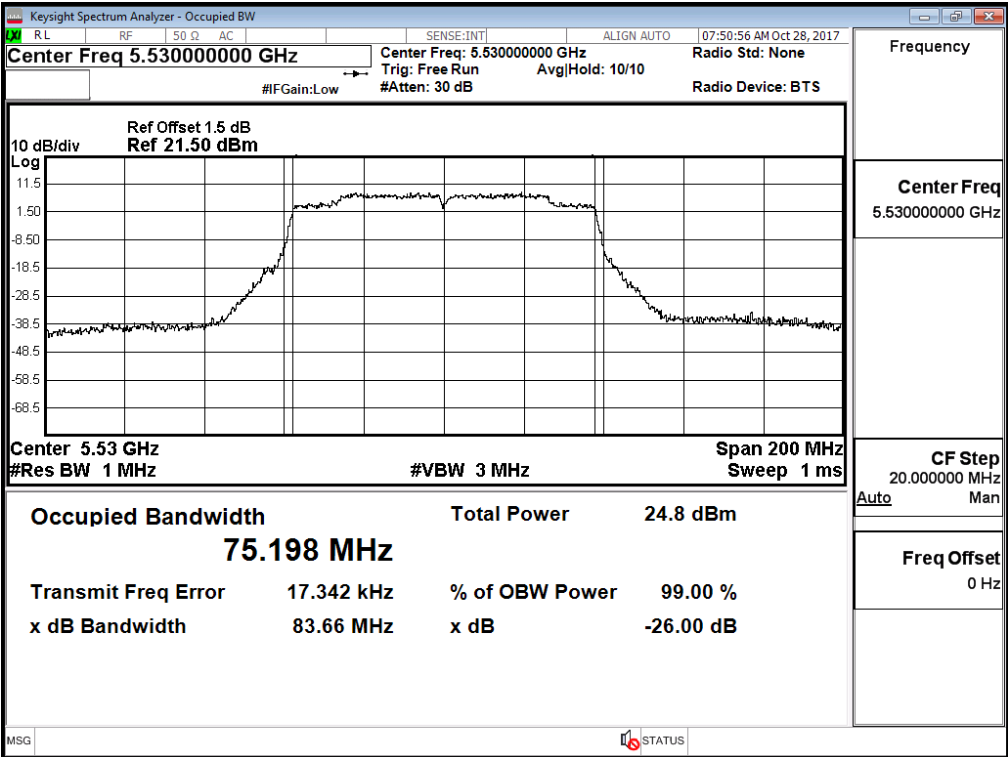
Note:

- Output Power (dBm) = Reading value on average power meter + cable loss

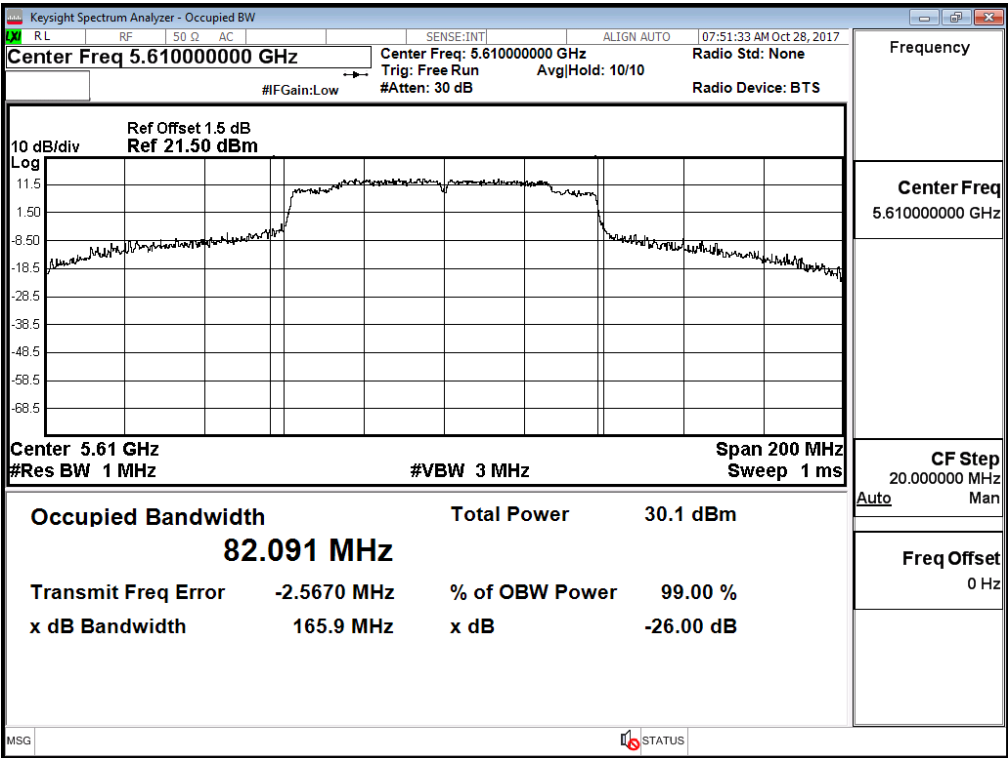
99% Occupied Bandwidth:
Channel 58



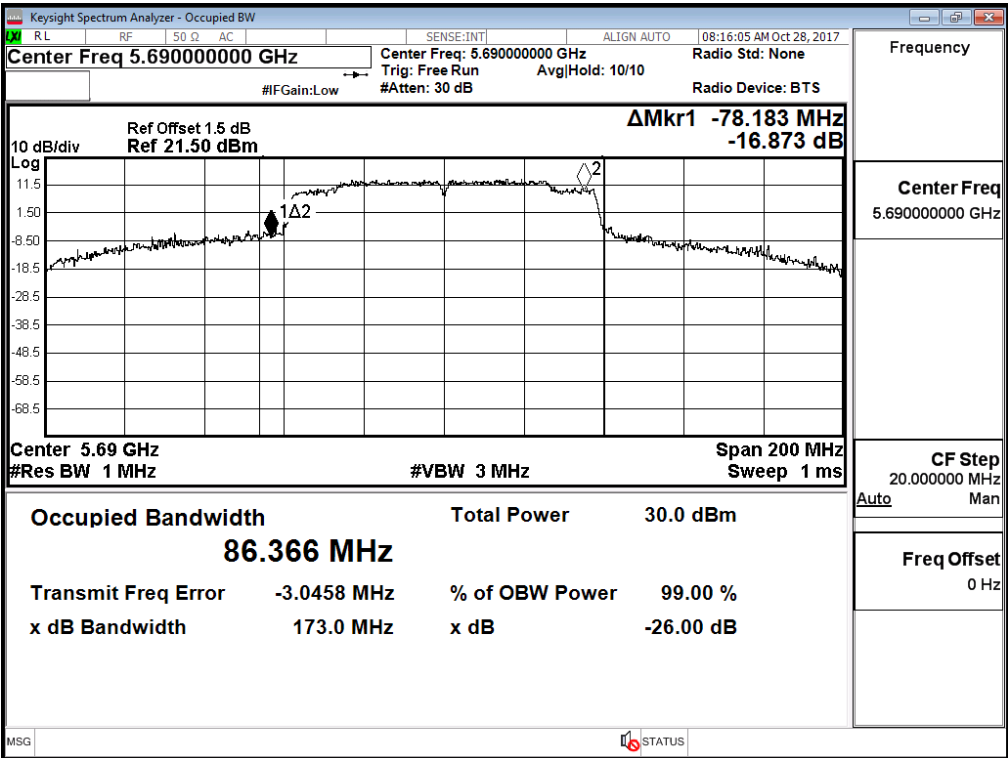
Channel 106



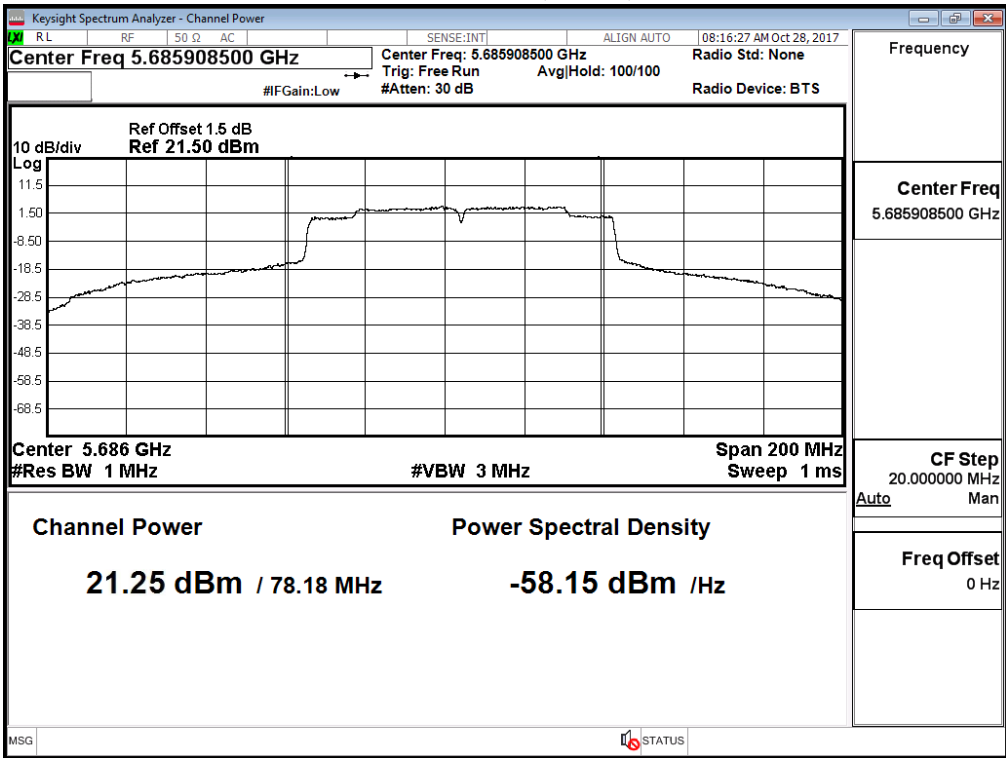
Channel 122



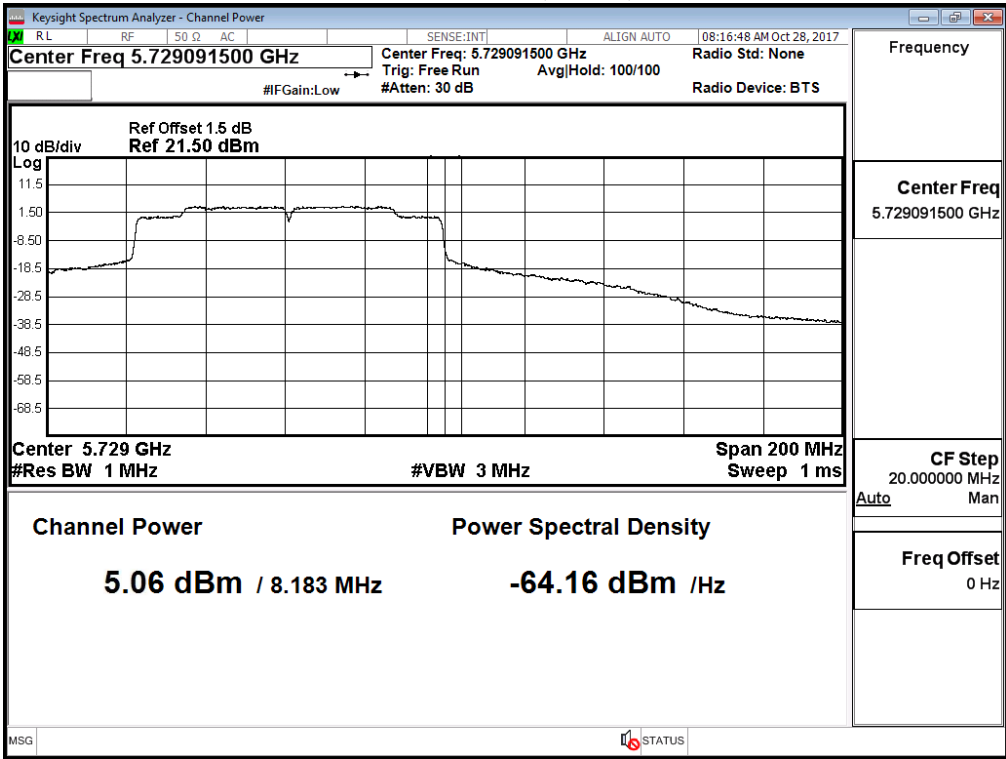
Channel 138



Maximum conducted output power:
Channel 138 (Band3)



Channel 138 (Band4)



待測物名稱：Intel® Wireless-AC 9560

待測物型號：9560NGW

測試項目：峰值發射功率

測試頻道：--

測試模式：Mode 2: 發射器 802.11ac-160BW -SISOB

6 dB 頻寬：1MHz

視頻頻寬：3MHz

檢測器：峰值

環境溫度：25 °C

測試日期：106 年 10 月 12 日

環境濕度：56 %

Cable loss=1.5dB		Maximum conducted output power										
Channel No	Frequency (MHz)	Data Rate (Mbps)										Required Limit
		VTH0	VTH1	VTH2	VTH3	VTH4	VTH5	VTH6	VTH7	VTH8	VTH9	
50(Band1)	5250	10.41	10.38	10.31	10.24	10.15	10.08	10.01	9.95	9.90	9.82	<24dBm
50(Band2)	5250	10.34	10.26	10.18	10.07	9.99	9.91	9.84	9.77	9.70	9.63	<24dBm
114	5570	12.01	11.92	11.84	11.75	11.68	11.60	11.53	11.45	11.39	11.31	<24dBm

Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

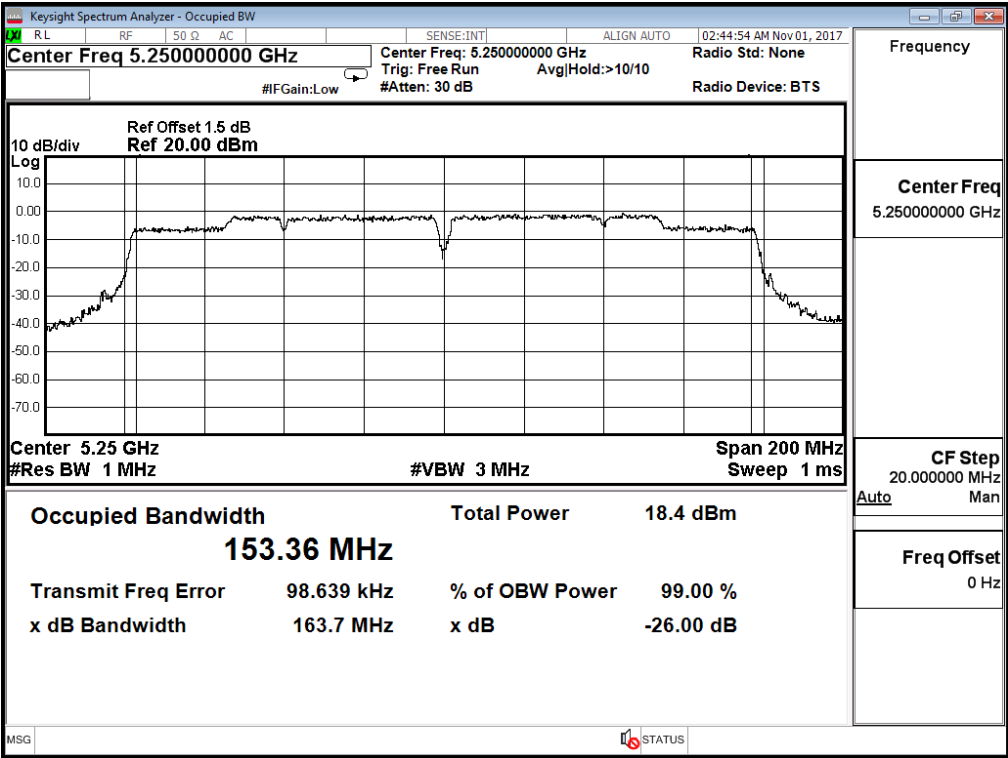
Maximum conducted output power Measurement

Channel No	Frequency Range	99% Bandwidth	Output Power	Total Output Power	Output Power Limit		Result
	(MHz)	(MHz)	(dBm)	(dBm)	(dBm)	dBm+10log(BW)	
50(Band1)	5250	--	10.41	10.41	24	--	Pass
50(Band2)	5250	76.680	10.34	10.34	24	29.85	Pass
114	5570	153.960	12.01	12.01	24	32.87	Pass

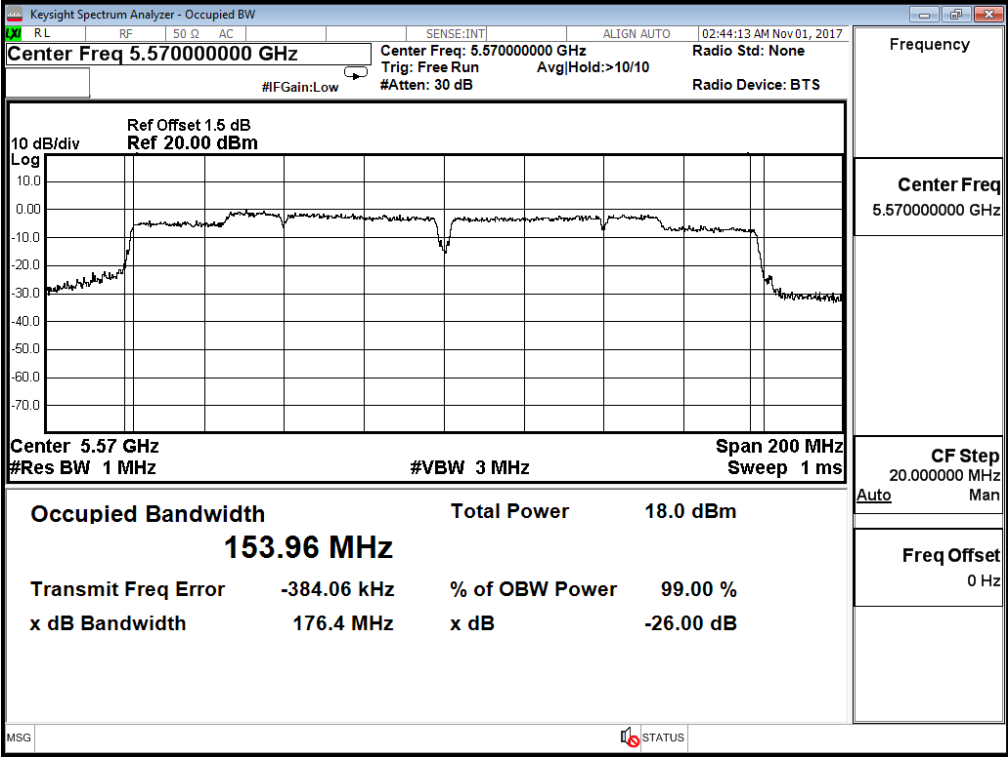
Note:

1. Output Power (dBm) = Reading value on Spectrum Analyzer + cable loss

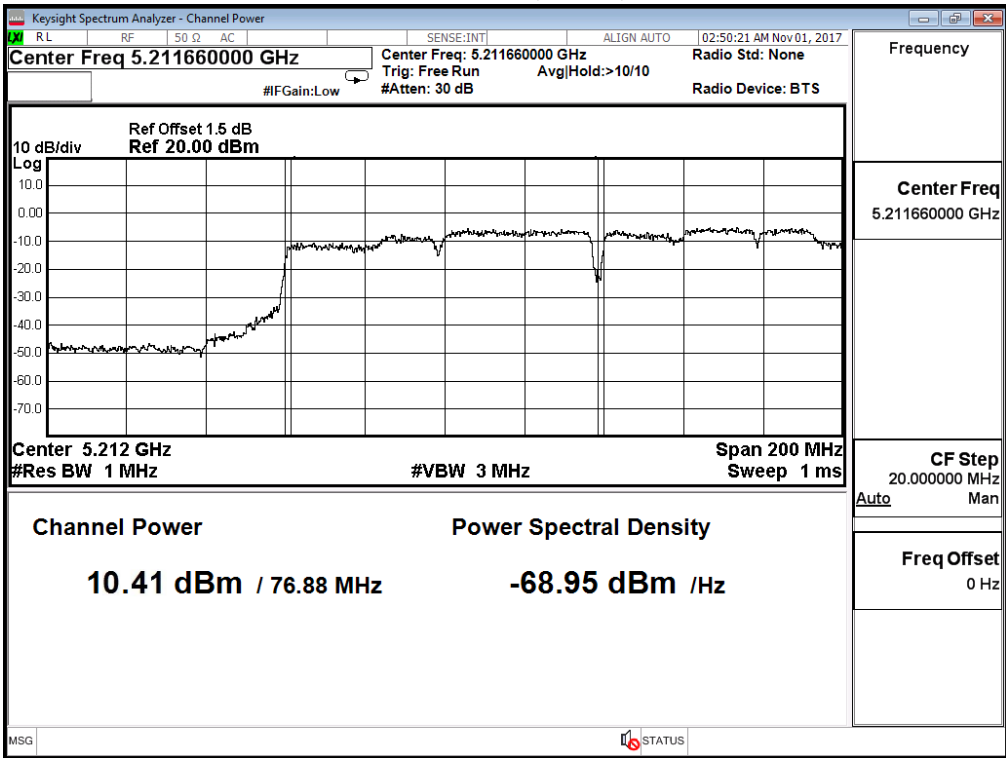
99% Occupied Bandwidth:
Channel 50



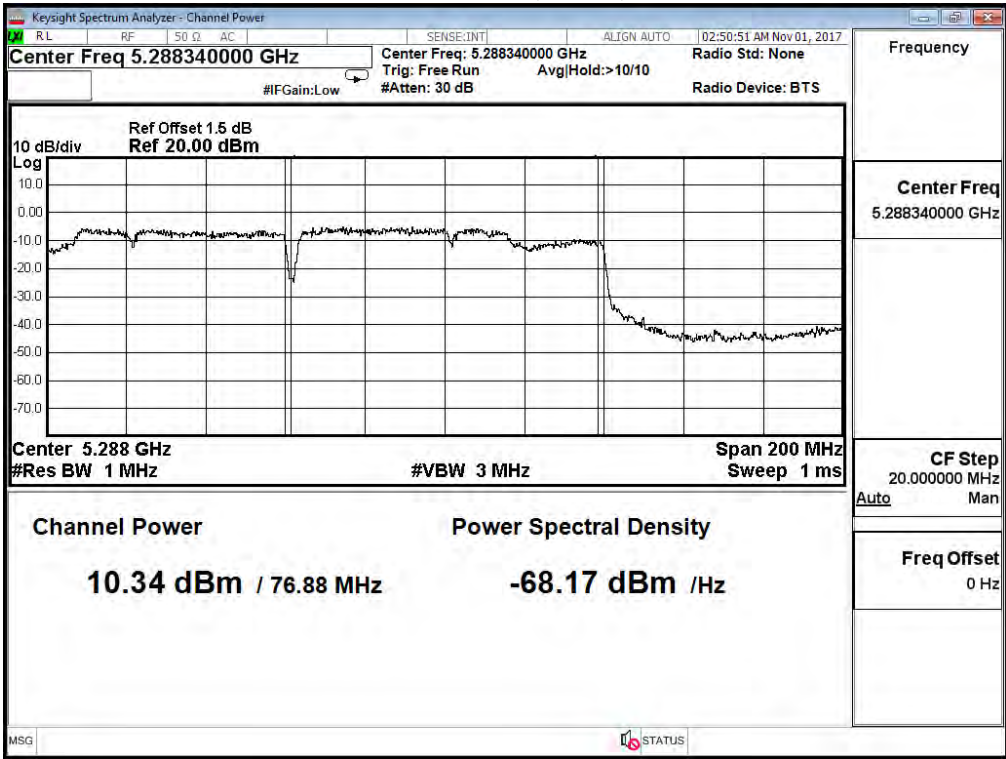
Channel 114



Maximum conducted output power:
Channel 50 (Band1)



Channel 50 (Band2)



待測物名稱：Intel® Wireless-AC 9560

待測物型號：9560NGW

測試項目：峰值發射功率

測試頻道：--

測試模式：Mode 3: 發射器 802.11n-20BW -MIMO

6 dB 頻寬：1MHz

視頻頻寬：3MHz

檢測器：峰值

環境溫度：22 °C

測試日期：106 年 10 月 11 日

環境濕度：55 %

Chain A

Cable loss=1.5dB		Maximum conducted output power								
Channel No.	Frequency (MHz)	Data Rate (Mbps)								Required Limit
		14.4	28.9	43.3	57.8	86.7	115.6	130	144.4	
		Measurement Level (dBm)								
36	5180	17.48	--	--	--	--	--	--	--	<24dBm
44	5220	19.62	19.58	19.42	19.36	19.27	19.18	19.07	19.00	<24dBm
48	5240	19.8	--	--	--	--	--	--	--	<24dBm
52	5260	19.69	--	--	--	--	--	--	--	<24dBm
60	5300	19.72	19.65	19.53	19.47	19.36	19.27	19.15	19.05	<24dBm
64	5320	17.79	--	--	--	--	--	--	--	<24dBm
100	5500	17.75	--	--	--	--	--	--	--	<24dBm
116	5580	19.81	19.74	19.63	19.55	19.48	19.36	19.28	19.17	<24dBm
140	5700	18.22	--	--	--	--	--	--	--	<24dBm
149	5745	21.15	--	--	--	--	--	--	--	<30dBm
157	5785	21.64	21.54	21.49	21.40	21.28	21.17	21.11	21.02	<30dBm
165	5825	21.45	--	--	--	--	--	--	--	<30dBm

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Chain B

Cable loss=1.5dB		Maximum conducted output power								
Channel No.	Frequency (MHz)	Data Rate (Mbps)								Required Limit
		14.4	28.9	43.3	57.8	86.7	115.6	130	144.4	
		Measurement Level (dBm)								
36	5180	17.25	--	--	--	--	--	--	--	<24dBm
44	5220	19.85	19.75	19.67	19.56	19.50	19.41	19.35	19.27	<24dBm
48	5240	19.94	--	--	--	--	--	--	--	<24dBm
52	5260	19.88	--	--	--	--	--	--	--	<24dBm
60	5300	19.77	19.70	19.65	19.54	19.48	19.36	19.28	19.15	<24dBm
64	5320	17.85	--	--	--	--	--	--	--	<24dBm
100	5500	17.46	--	--	--	--	--	--	--	<24dBm
116	5580	19.35	19.24	19.16	19.06	18.95	18.84	18.75	18.62	<24dBm
140	5700	18.09	--	--	--	--	--	--	--	<24dBm
149	5745	21.1	--	--	--	--	--	--	--	<30dBm
157	5785	21.33	21.26	21.18	21.10	21.03	20.95	20.88	20.76	<30dBm
165	5825	21.52	--	--	--	--	--	--	--	<30dBm

Note: Maximum conducted output power Value = Reading value on average power meter + cable loss

Maximum conducted output power Measurement:

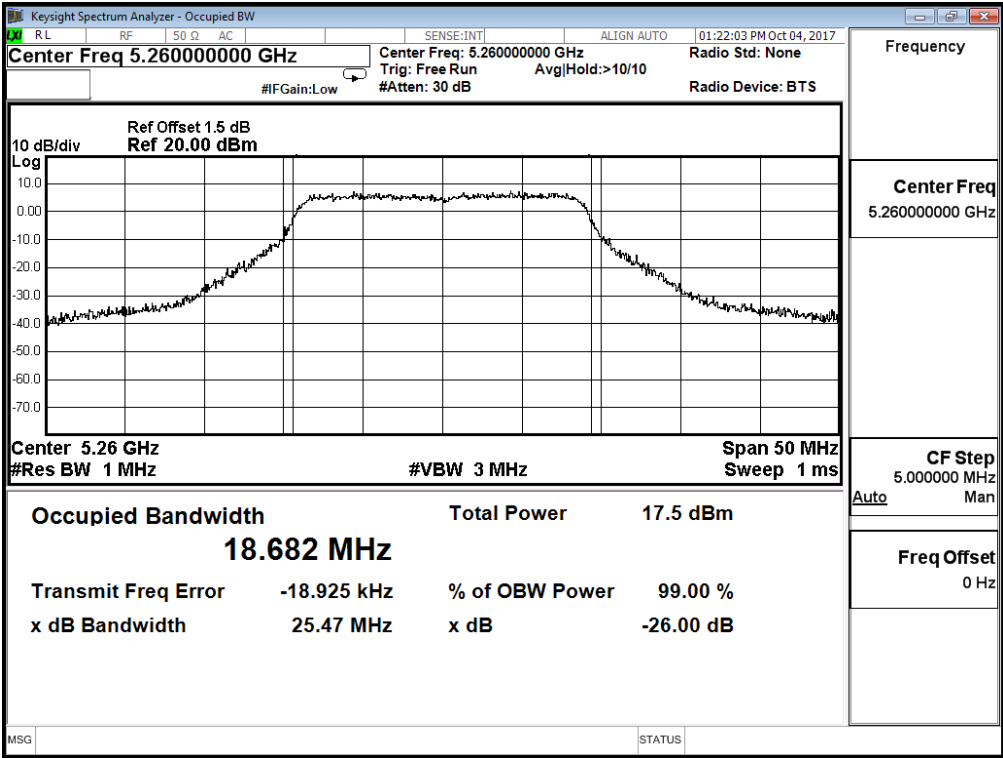
Chain A+ B

Channel Number	Frequency	99% Bandwidth	Chain A Power	Chain B Power	Output Power	Output Power Limit	
	(MHz)	(MHz)	(dBm)	(dBm)	(dBm)	(dBm)	dBm+10log(BW)
36	5180	--	17.48	17.25	20.38	24	--
44	5220	--	19.62	19.85	22.75	24	--
48	5240	--	19.80	19.94	22.88	24	--
52	5260	18.682	19.69	19.88	22.80	24	23.71
60	5300	18.859	19.72	19.77	22.76	24	23.76
64	5320	18.721	17.79	17.85	20.83	24	23.72
100	5500	18.603	17.75	17.46	20.62	24	23.70
116	5580	18.894	19.81	19.35	22.60	24	23.76
140	5700	18.633	18.22	18.09	21.17	24	23.70
149	5745	--	21.15	21.10	24.14	30	--
157	5785	--	21.64	21.33	24.50	30	--
165	5825	--	21.45	21.52	24.50	30	--

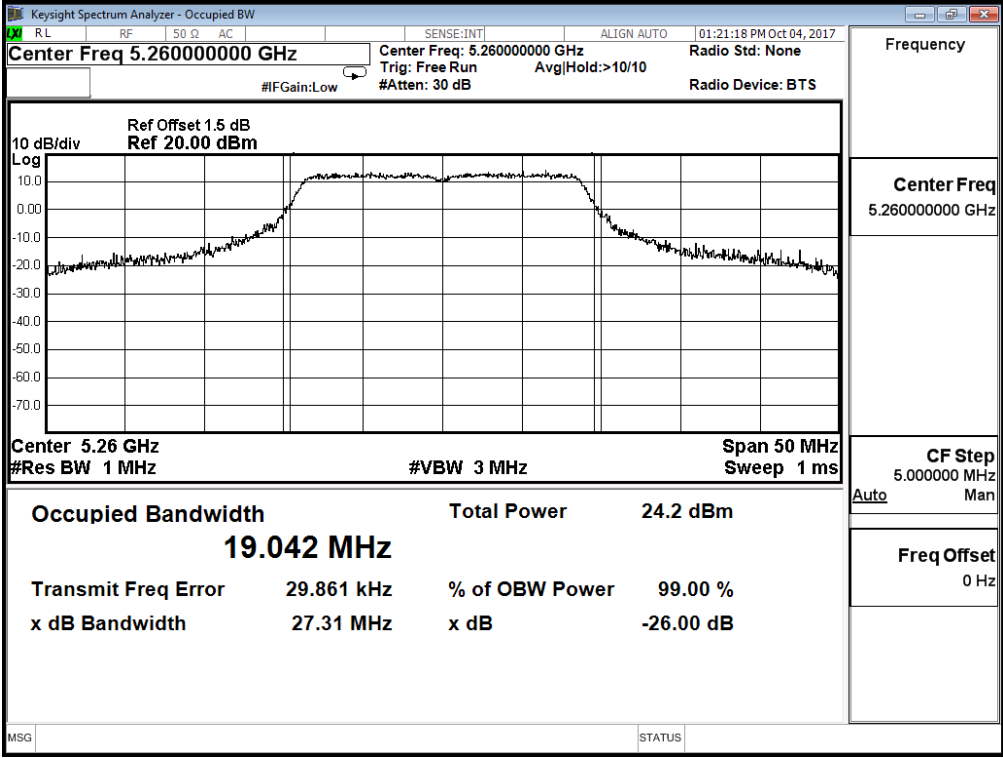
Note:

2. Power Output Value = Reading value on average power meter + cable loss
3. Output Power (dBm) = 10LOG (Chain A Power (mW)+ Chain B Power (mW))
4. 99% Bandwidth is the bandwidth of chain A or chain B whichever is less bandwidth, output power limitation is more stringent.

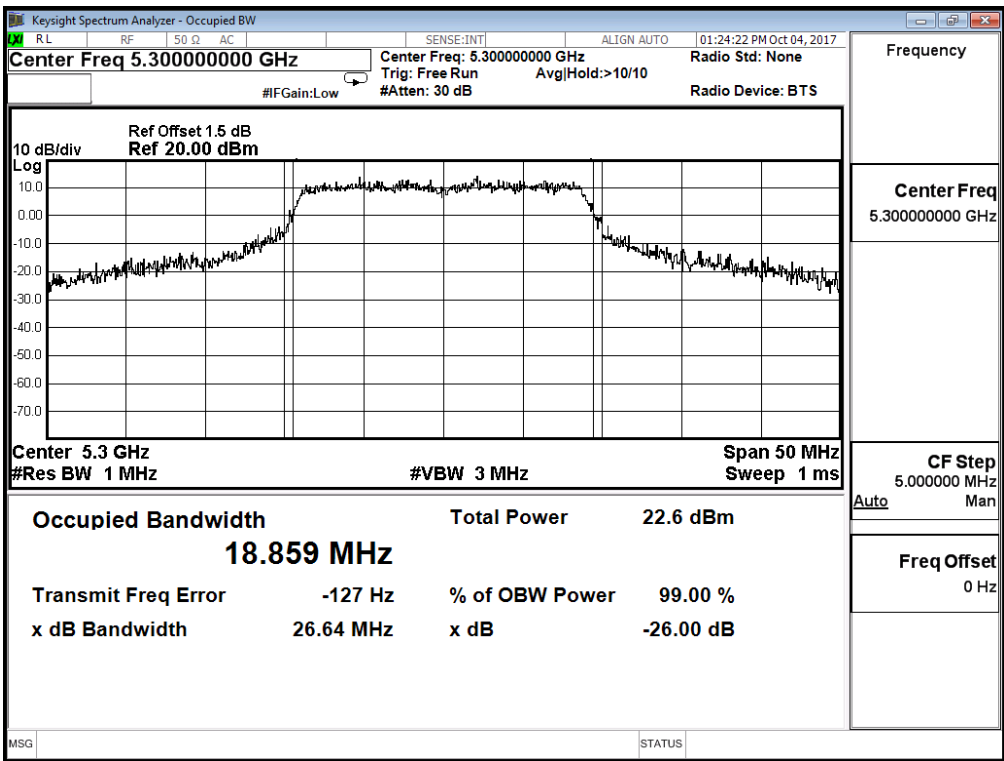
99% Occupied Bandwidth:
Channel 52: Chain A



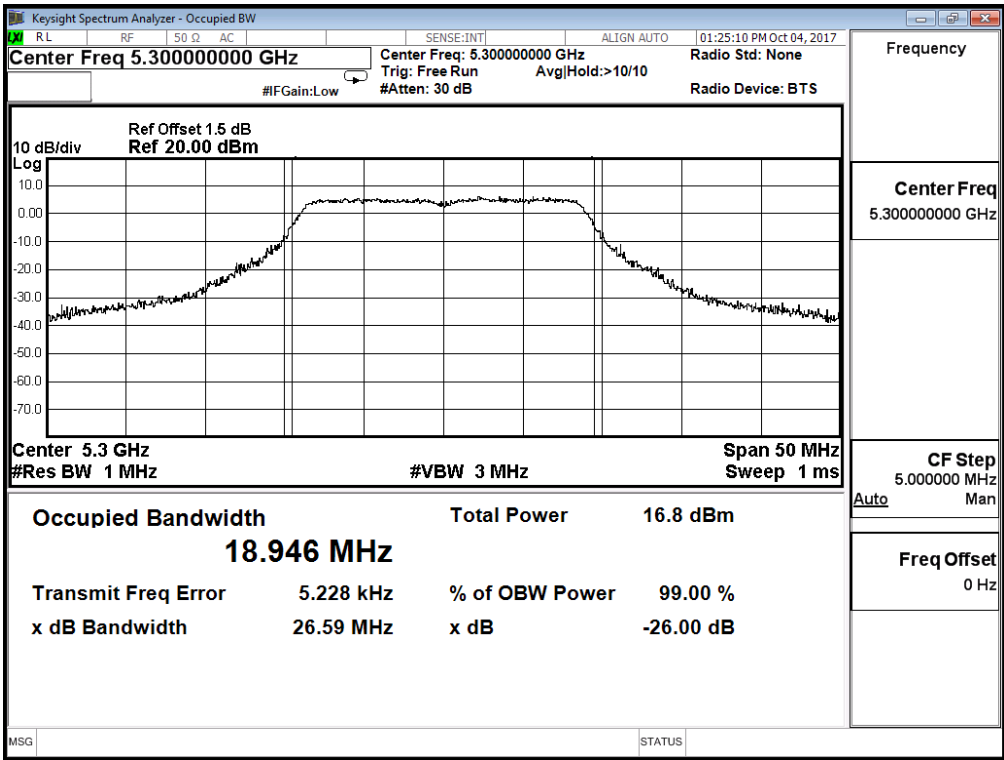
Channel 52: Chain B



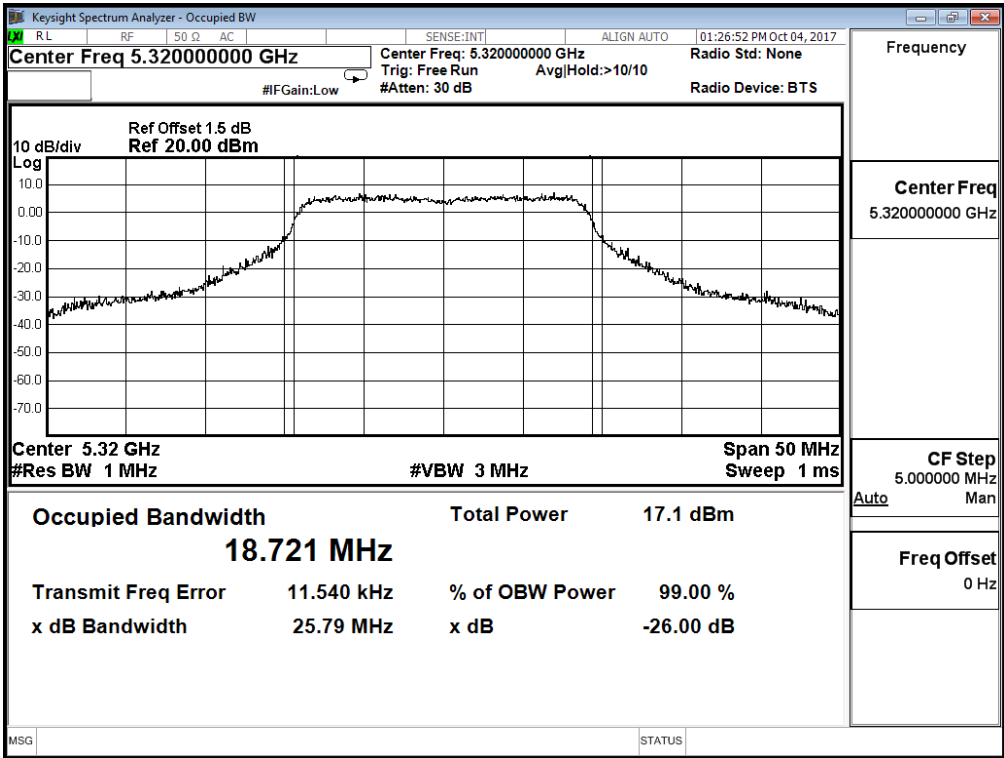
Channel 60: Chain A



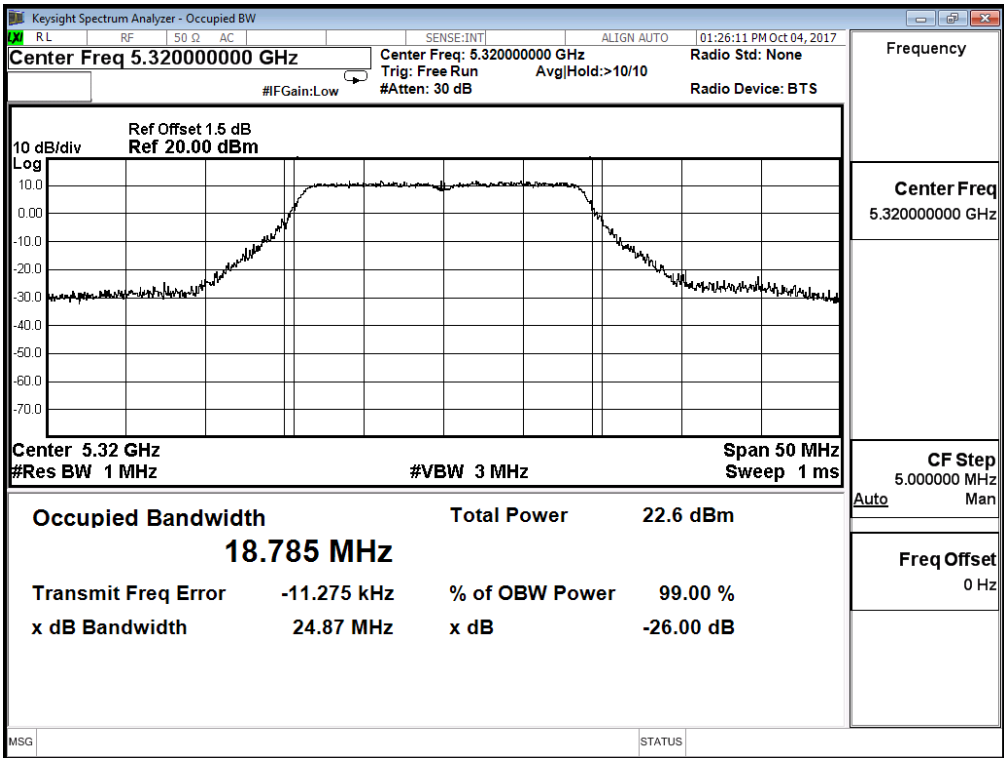
Channel 60: Chain B



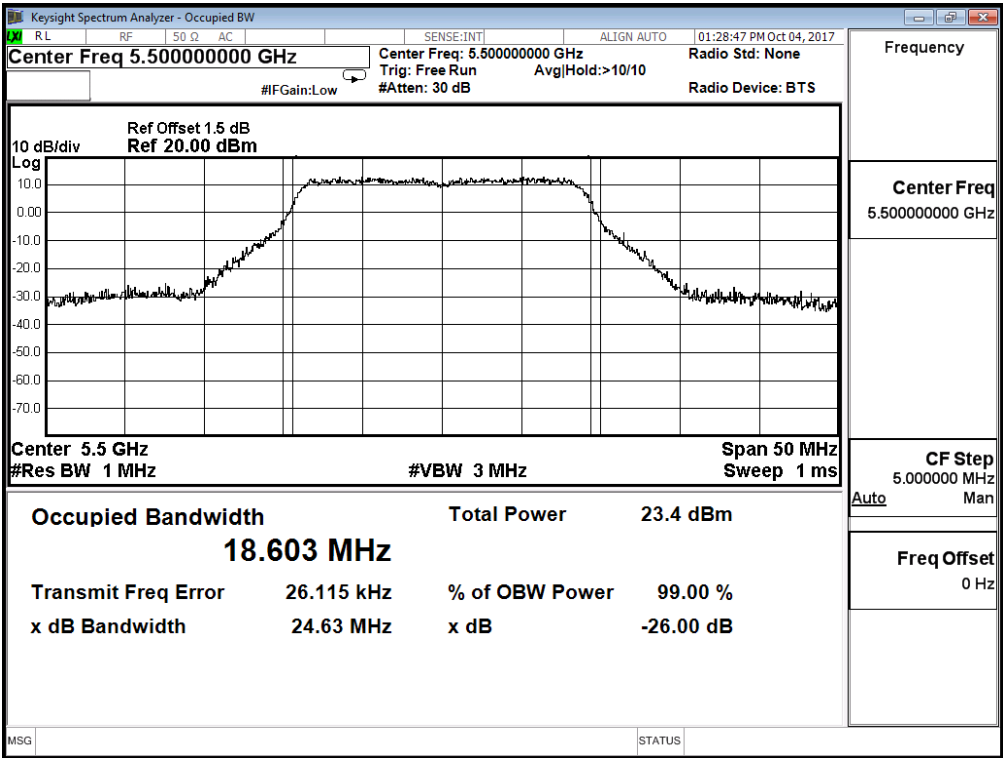
Channel 64: Chain A



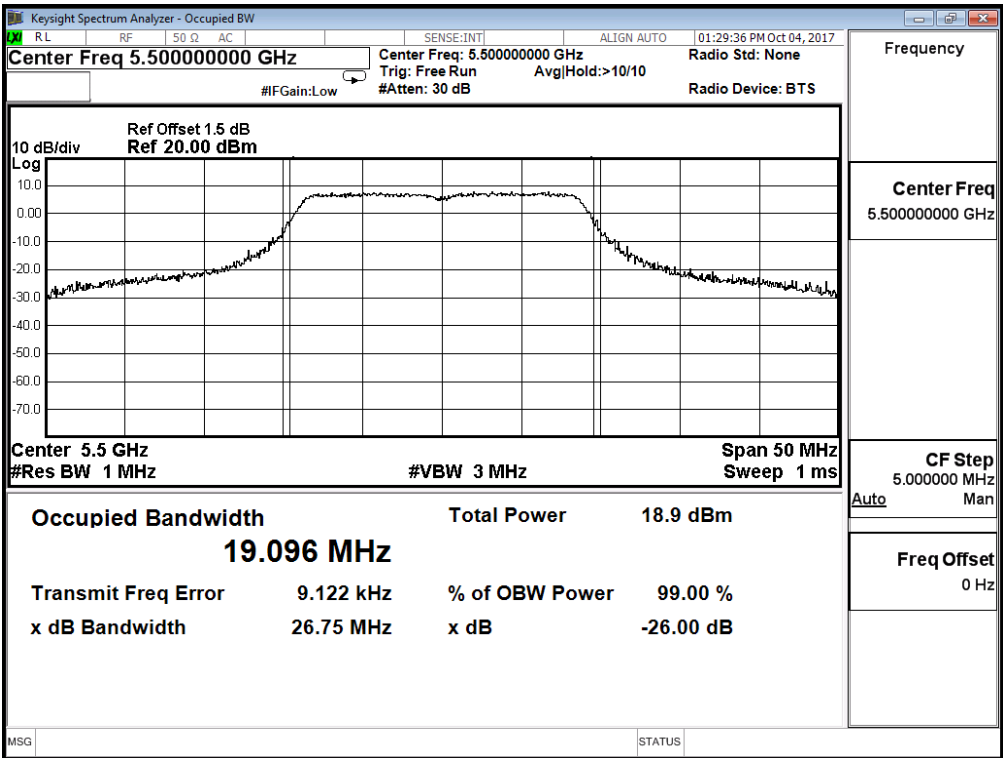
Channel 64: Chain B



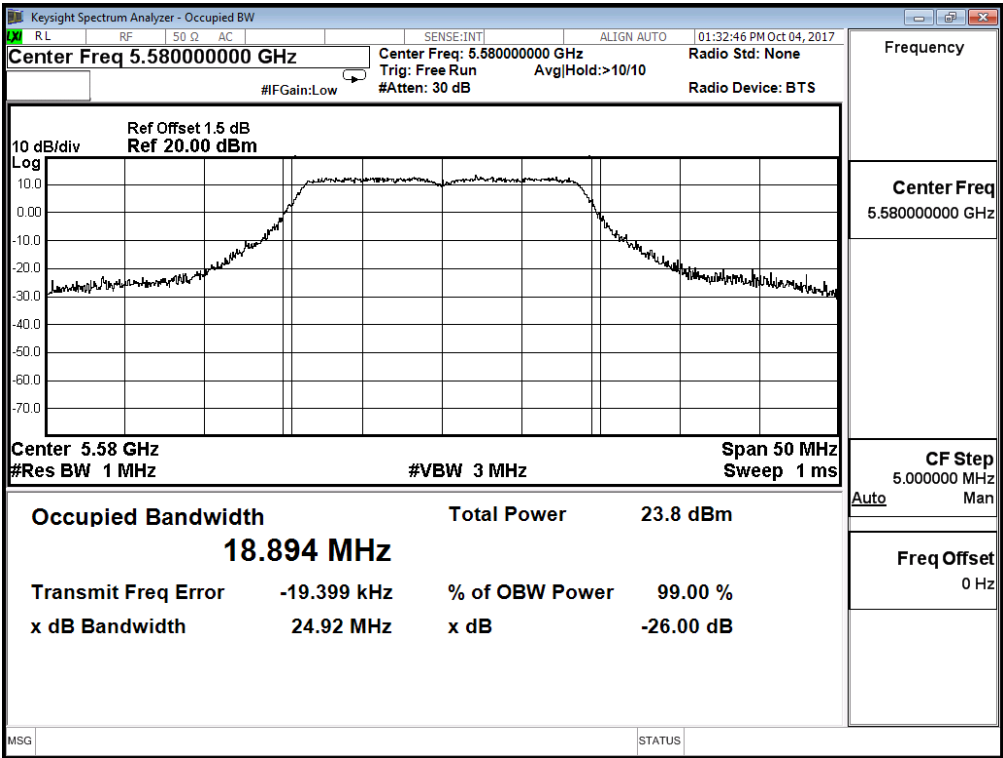
Channel 100: Chain A



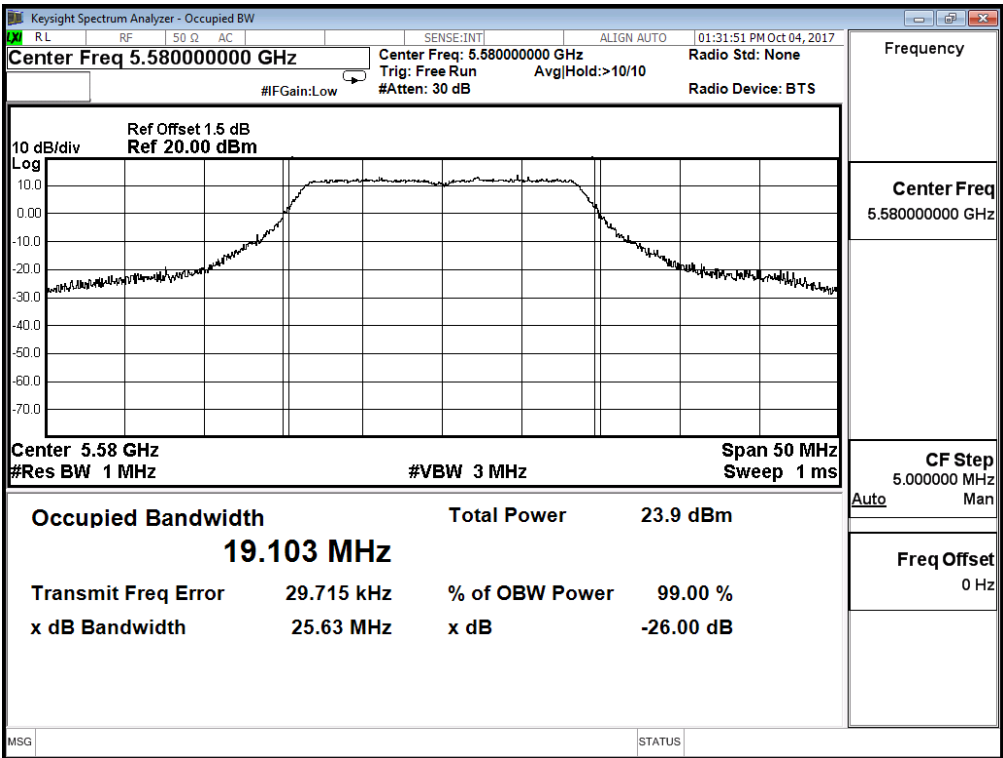
Channel 100: Chain B



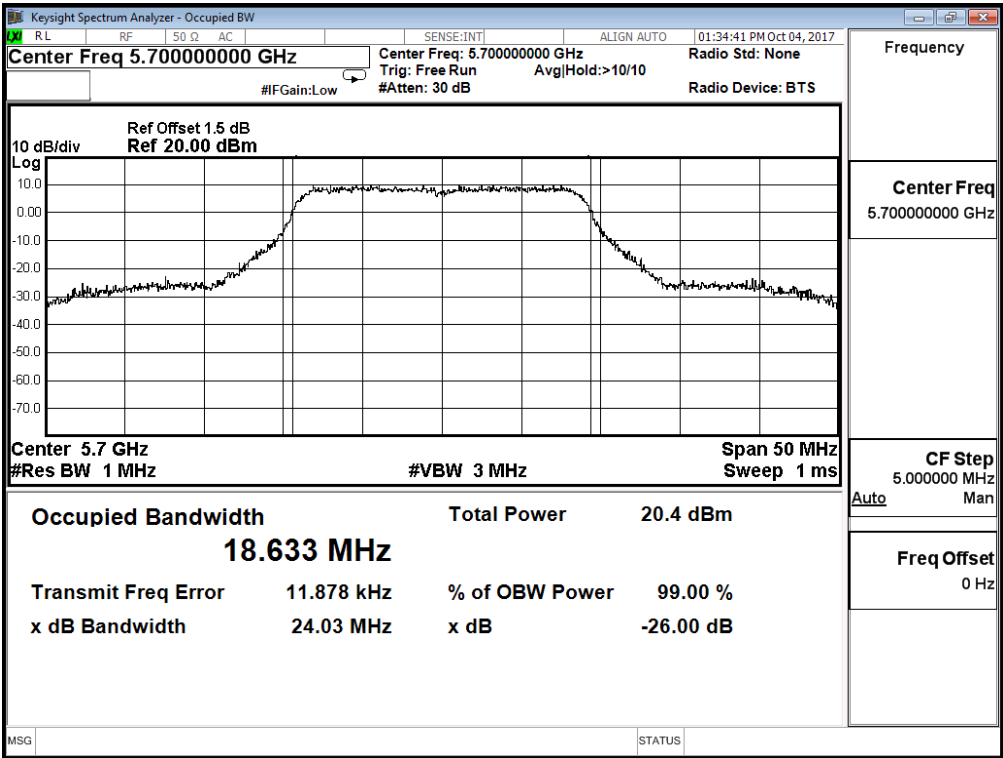
Channel 116: Chain A



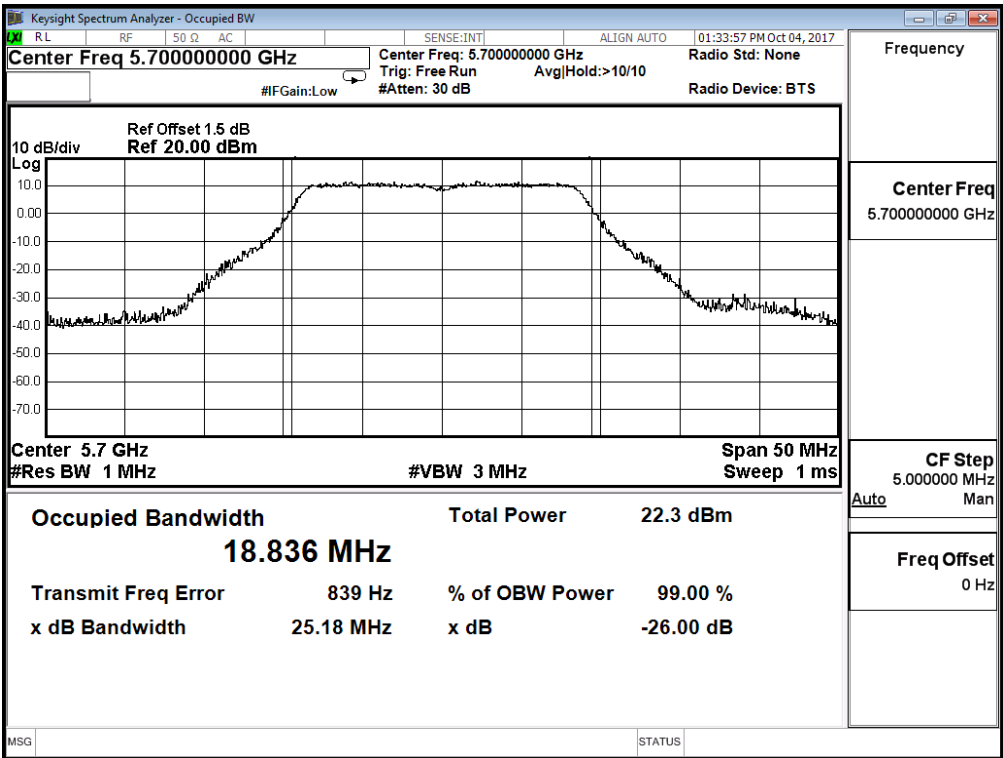
Channel 116: Chain B



Channel 140: Chain A



Channel 140: Chain B



待測物名稱：Intel® Wireless-AC 9560

待測物型號：9560NGW

測試項目：峰值發射功率

測試頻道：--

測試模式：Mode 3: 發射器 802.11n-40BW -MIMO

6 dB 頻寬：1MHz

視頻頻寬：3MHz

檢測器：峰值

環境溫度：22 °C

測試日期：106 年 10 月 11 日

環境濕度：55 %

Chain A

Cable loss=1.5dB		Maximum conducted output power								
Channel No.	Frequency (MHz)	Data Rate (Mbps)								Required Limit
		30	60	90	120	180	240	270	300	
		Measurement Level (dBm)								
38	5190	17.56	--	--	--	--	--	--	--	<24dBm
46	5230	20.39	20.28	20.17	20.06	19.92	19.86	19.74	19.61	<24dBm
54	5270	20.27	--	--	--	--	--	--	--	<24dBm
62	5310	15.28	15.16	15.07	15.00	14.95	14.83	14.74	14.65	<24dBm
102	5510	18.15	--	--	--	--	--	--	--	<24dBm
110	5550	20.11	20.06	19.94	19.86	19.75	19.69	19.58	19.42	<24dBm
134	5670	19.26	--	--	--	--	--	--	--	<24dBm
151	5775	21.12	--	--	--	--	--	--	--	<30dBm
159	5795	21.75	21.65	21.49	21.40	21.31	21.23	21.18	21.05	<30dBm

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

Chain B

Cable loss=1.5dB		Maximum conducted output power								
Channel No.	Frequency (MHz)	Data Rate (Mbps)								Required Limit
		30	60	90	120	180	240	270	300	
		Measurement Level (dBm)								
38	5190	18.15	--	--	--	--	--	--	--	<24dBm
46	5230	20.42	20.34	20.25	20.17	20.10	20.01	19.84	19.75	<24dBm
54	5270	20.25	--	--	--	--	--	--	--	<24dBm
62	5310	15.15	15.06	14.96	14.87	14.80	14.72	14.65	14.54	<24dBm
102	5510	18.04	--	--	--	--	--	--	--	<24dBm
110	5550	19.94	19.86	19.74	19.65	19.58	19.43	19.38	19.24	<24dBm
134	5670	18.72	--	--	--	--	--	--	--	<24dBm
151	5775	21.14	--	--	--	--	--	--	--	<30dBm
159	5795	21.47	21.40	21.35	21.28	21.17	21.07	20.94	20.86	<30dBm

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

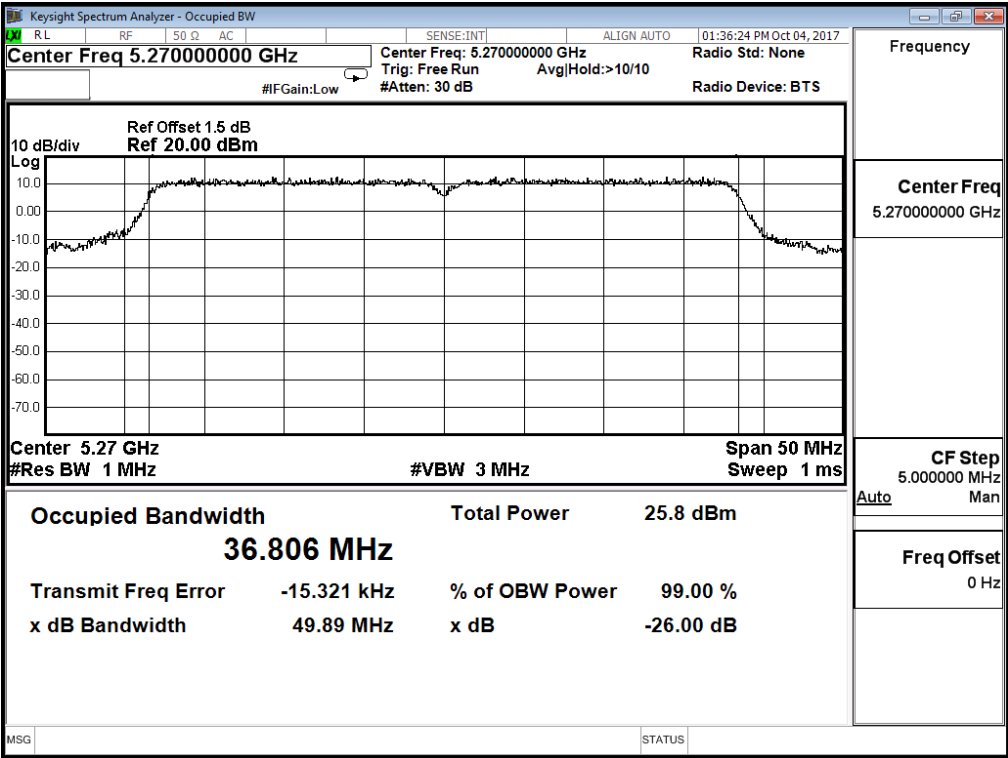
Maximum conducted output power Measurement:**Chain A+ B**

Channel Number	Frequency	99% Bandwidth	Chain A Power	Chain B Power	Output Power	Output Power Limit	
	(MHz)	(MHz)	(dBm)	(dBm)	(dBm)	(dBm)	dBm+10log(BW)
38	5190		17.56	18.15	20.88	24	--
46	5230		20.39	20.42	23.42	24	--
54	5270	36.806	20.27	20.25	23.27	24	26.66
62	5310	36.739	15.28	15.15	18.23	24	26.65
102	5510	36.787	18.15	18.04	21.11	24	26.66
110	5550	36.801	20.11	19.94	23.04	24	26.66
134	5670	36.759	19.26	18.72	22.01	24	26.65
151	5755		21.12	21.14	24.14	30	--
159	5795		21.75	21.47	24.62	30	--

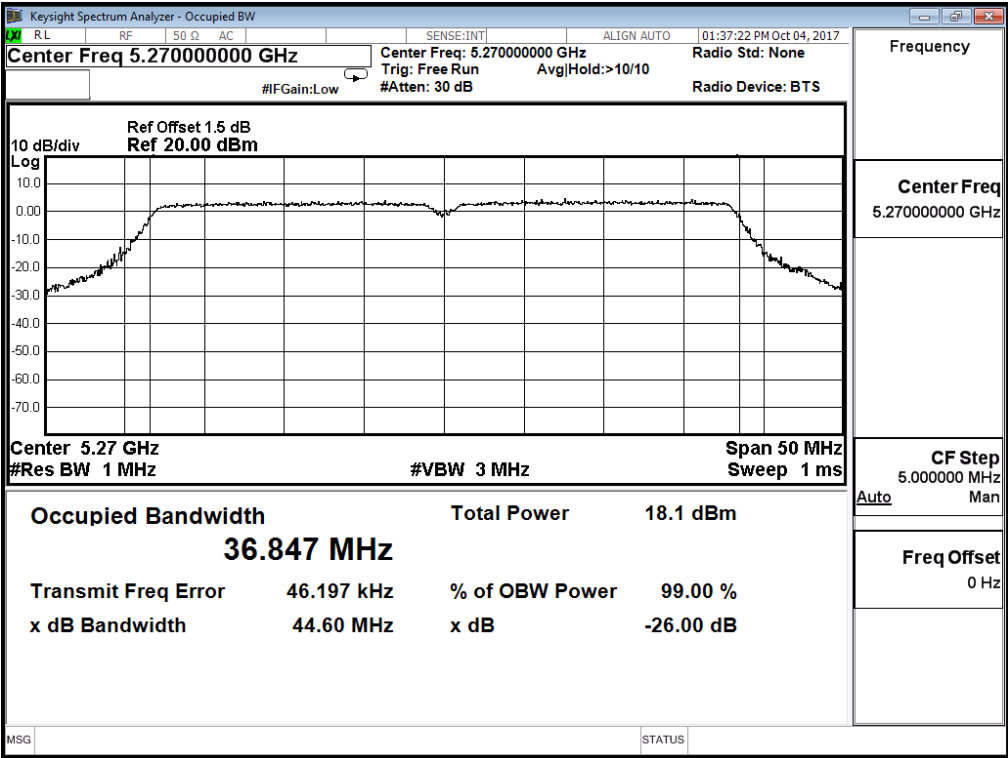
Note:

1. Power Output Value =Reading value on average power meter + cable loss
2. Output Power (dBm) = 10LOG (Chain A Power (mW)+ Chain B Power (mW))
3. 99% Bandwidth is the bandwidth of chain A or chain B whichever is less bandwidth, output power limitation is more stringent.

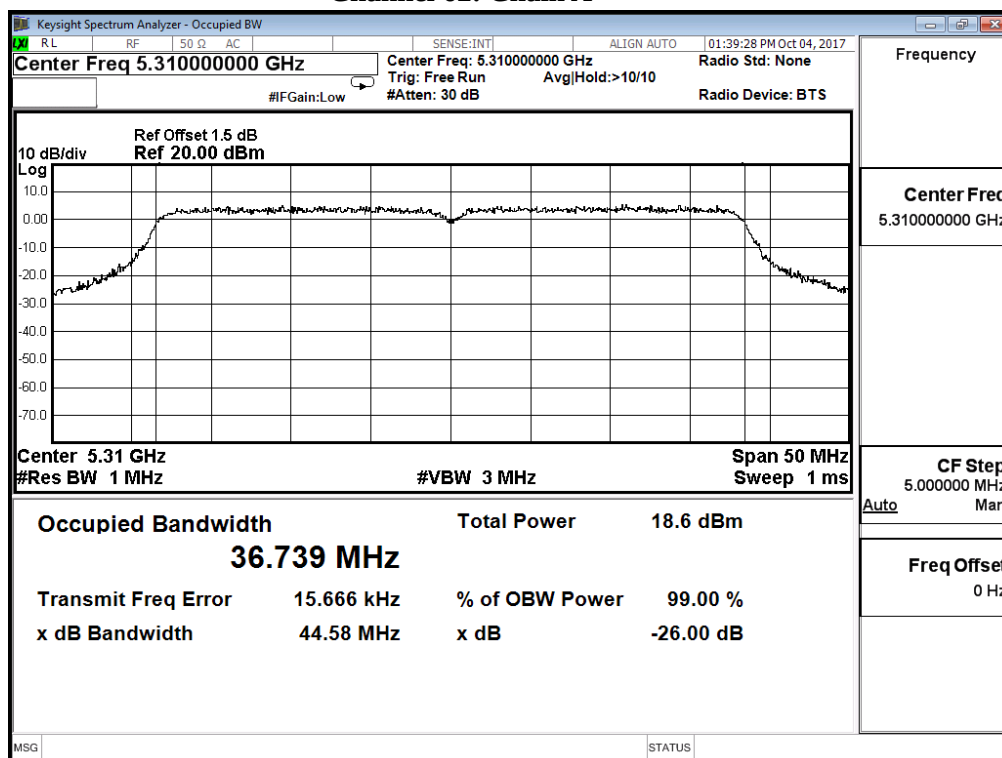
99% Occupied Bandwidth:
Channel 54: Chain A



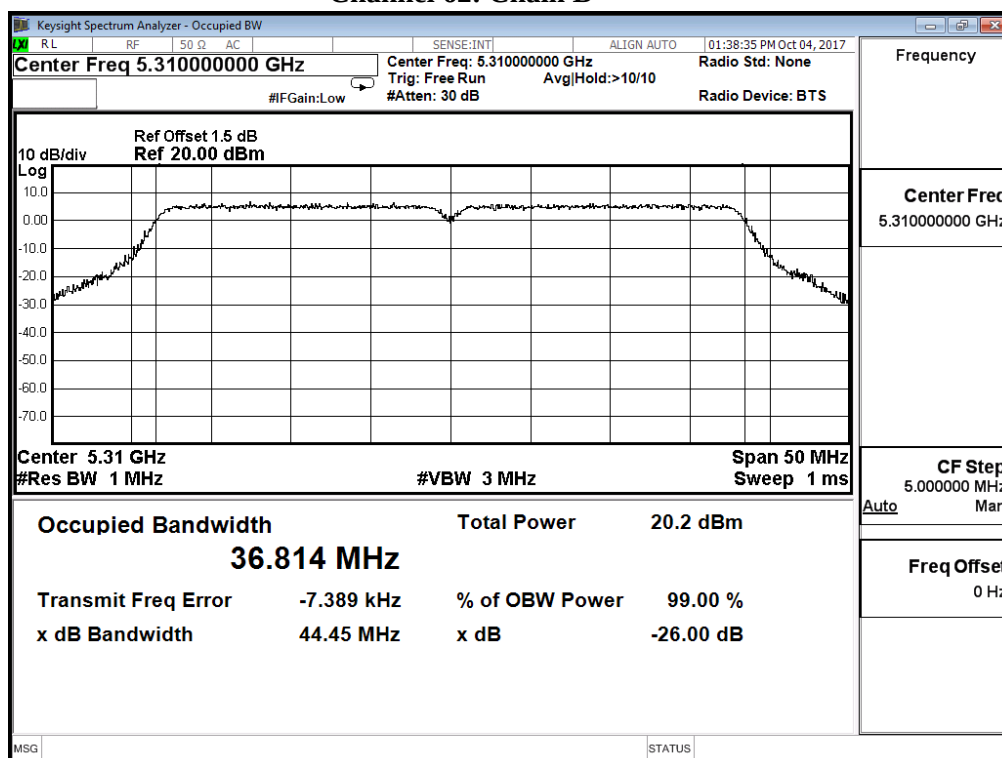
Channel 54: Chain B



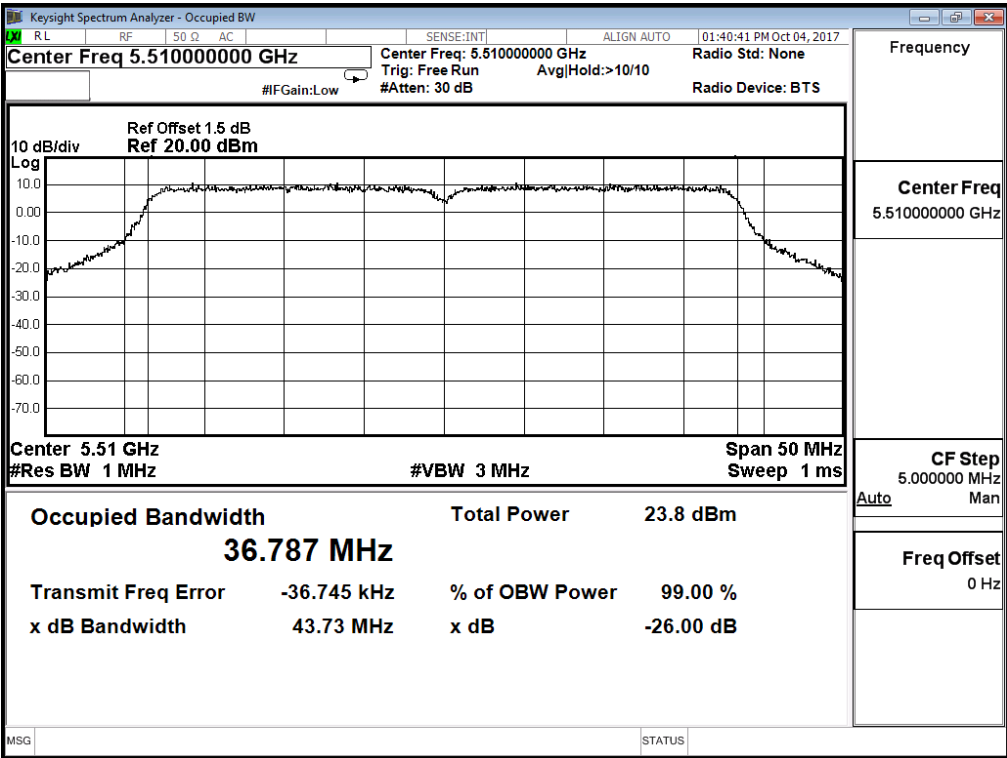
Channel 62: Chain A



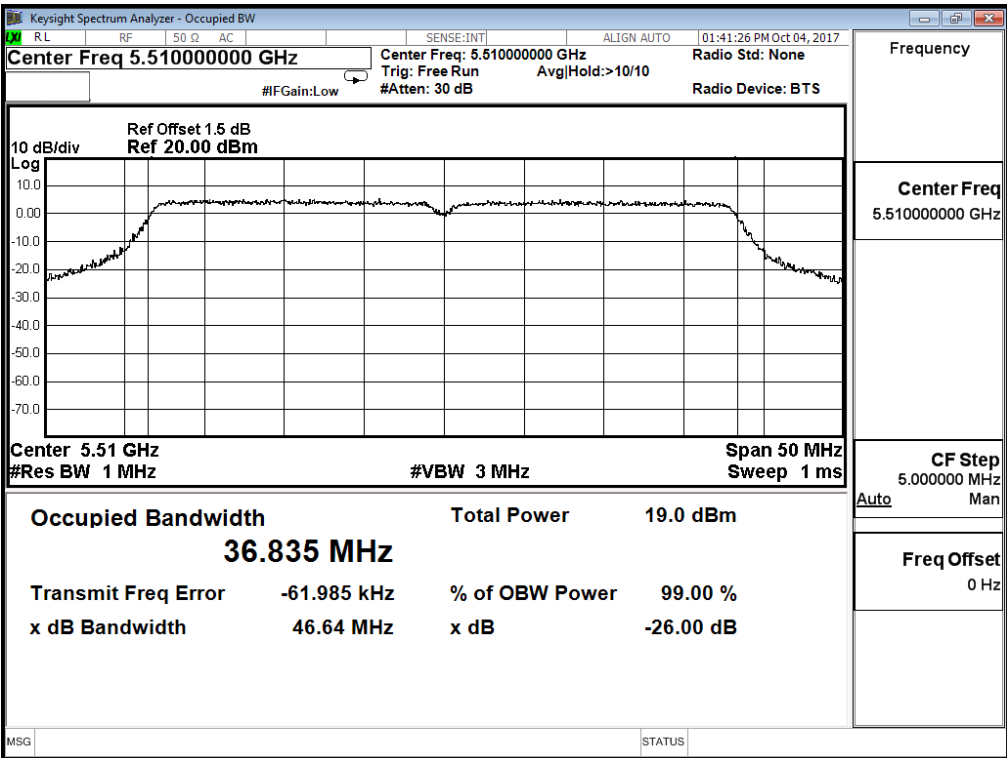
Channel 62: Chain B



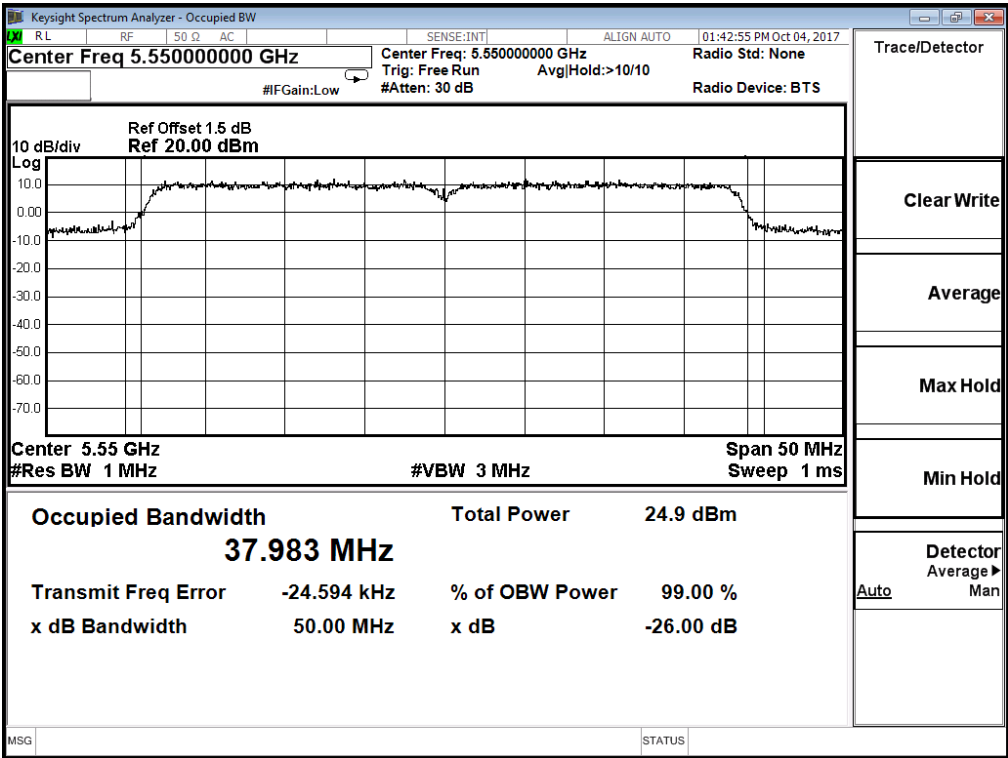
Channel 102: Chain A



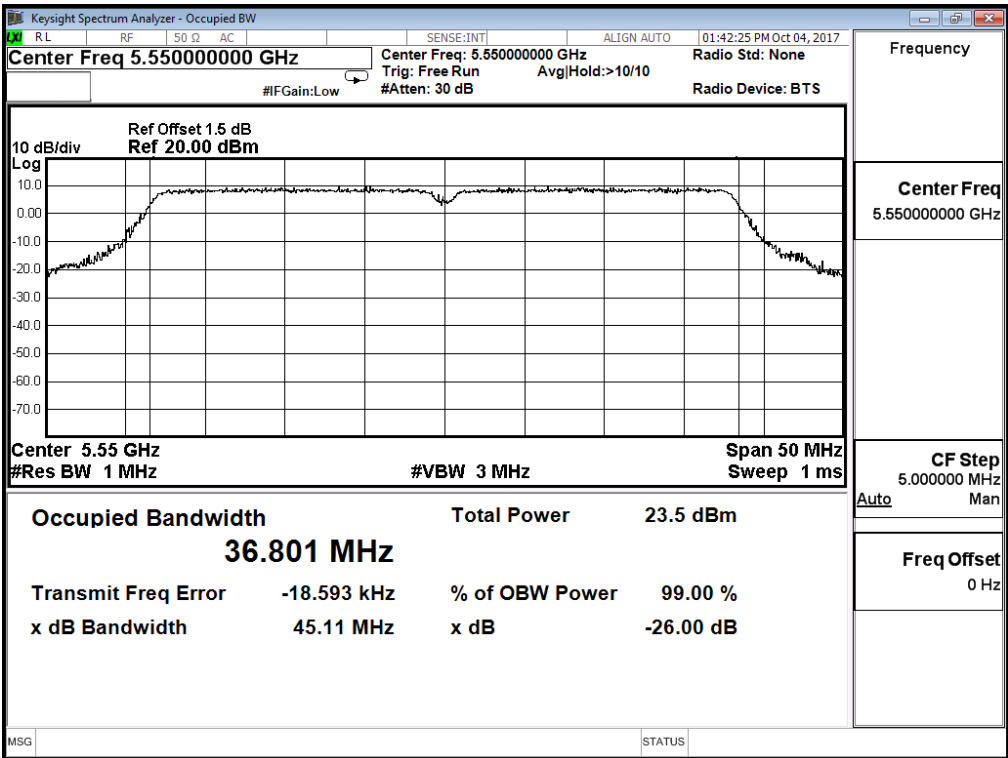
Channel 102: Chain B



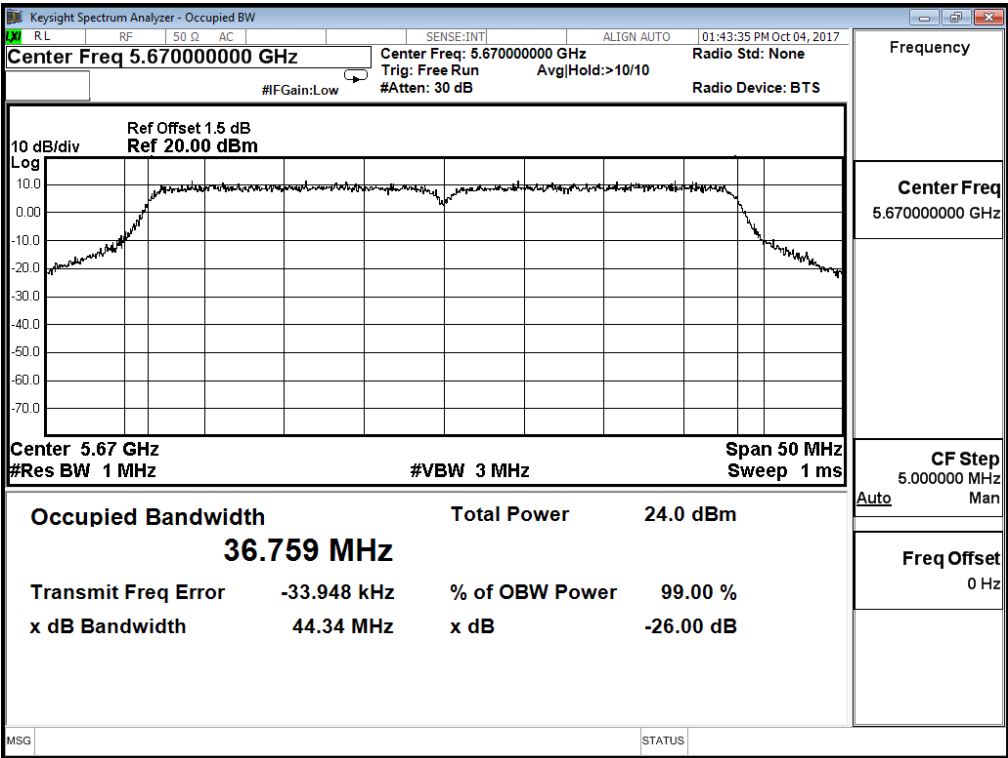
Channel 110: Chain A



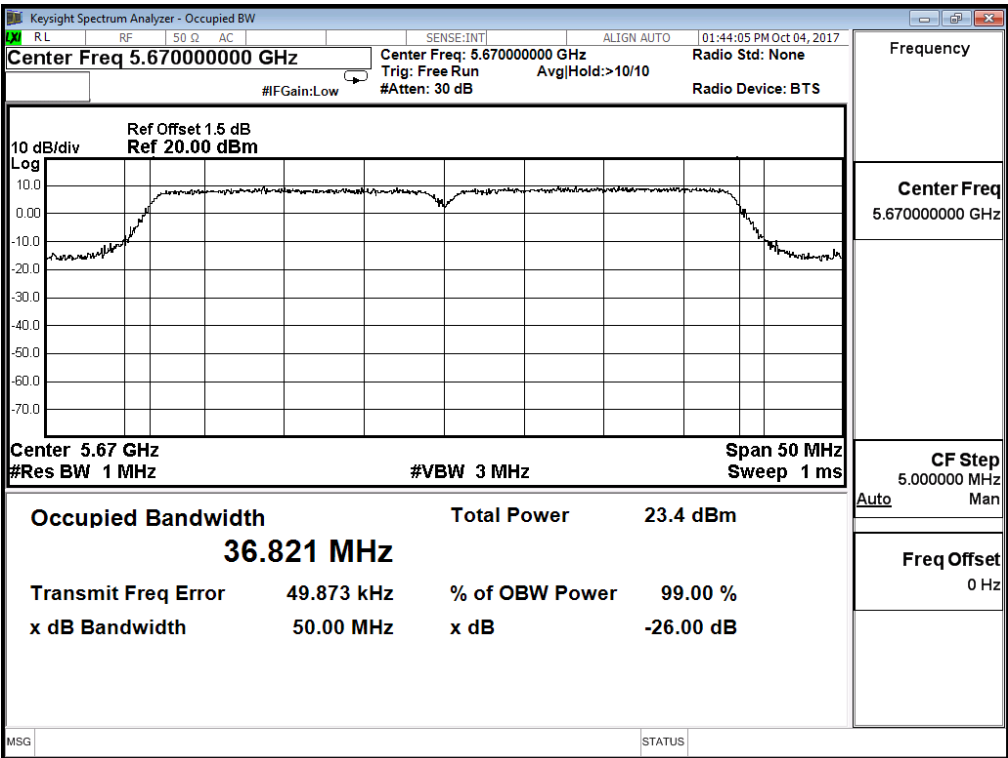
Channel 110: Chain B



Channel 134: Chain A



Channel 134: Chain B



待測物名稱：Intel® Wireless-AC 9560

待測物型號：9560NGW

測試項目：峰值發射功率

測試頻道：--

測試模式：Mode 3: 發射器 802.11ac-20BW -MIMO

6 dB 頻寬：1MHz

視頻頻寬：3MHz

檢測器：峰值

環境溫度：22 °C

測試日期：106 年 10 月 12 日

環境濕度：55 %

Chain A

Cable loss=1.5dB		Maximum conducted output power								
Channel No.	Frequency (MHz)	Data Rate (Mbps)								Required Limit
		HT8	HT9	HT10	HT11	HT12	HT13	HT14	HT15	
		Measurement Level (dBm)								
144 (Band3)	5720	18.93	18.87	18.80	18.72	18.66	18.79	18.73	18.65	<24dBm
144 (Band4)	5720	14.03	13.94	13.85	13.79	13.70	13.64	13.58	13.51	<30dBm

Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

Chain B

Cable loss=1.5dB		Maximum conducted output power								
Channel No.	Frequency (MHz)	Data Rate (Mbps)								Required Limit
		HT8	HT9	HT10	HT11	HT12	HT13	HT14	HT15	
		Measurement Level (dBm)								
144 (Band3)	5720	19.11	19.05	18.86	18.77	18.69	18.57	18.45	18.37	<24dBm
144 (Band4)	5720	13.22	13.15	13.03	12.89	12.76	12.65	12.51	12.42	<30dBm

Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

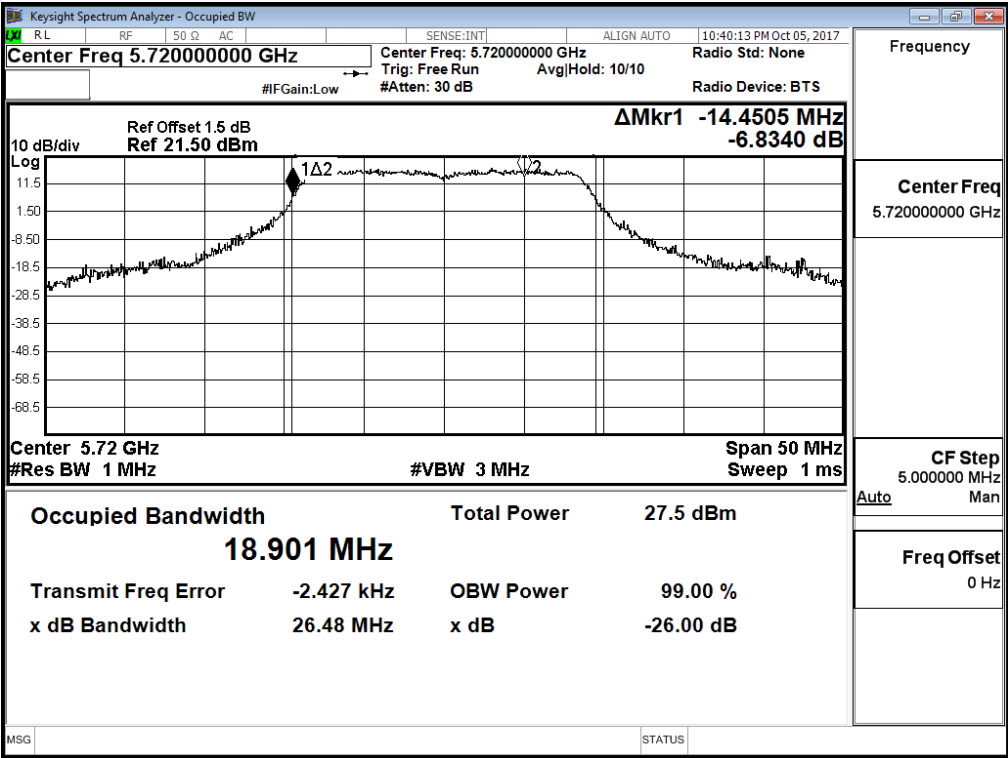
Maximum conducted output power Measurement:**Chain A+ B**

Channel No	Frequency Range	99% Bandwidth	Chain A Power	Chain B Power	Output Power	Output Power Limit		Result
	(MHz)	(MHz)	(dBm)	(dBm)	(dBm)	(dBm)	dBm+10log(BW)	
144(Band3)	5720	14.451	18.93	19.11	22.03	24	22.60	Pass
144(Band4)	5720	--	14.03	13.22	16.65	30	--	Pass

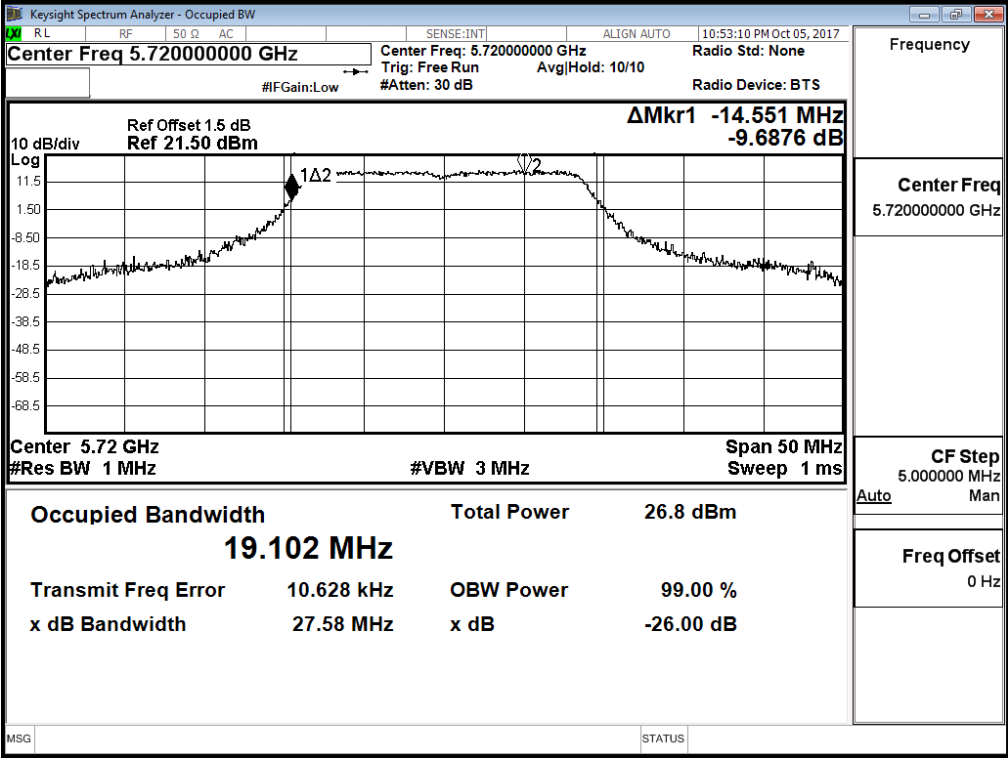
Note:

1. Output Power (dBm) = 10LOG (Chain A Power (mW)+ Chain B Power (mW))
2. 99% Bandwidth is the bandwidth of chain A or chain B whichever is less bandwidth, output power limitation is more stringent.

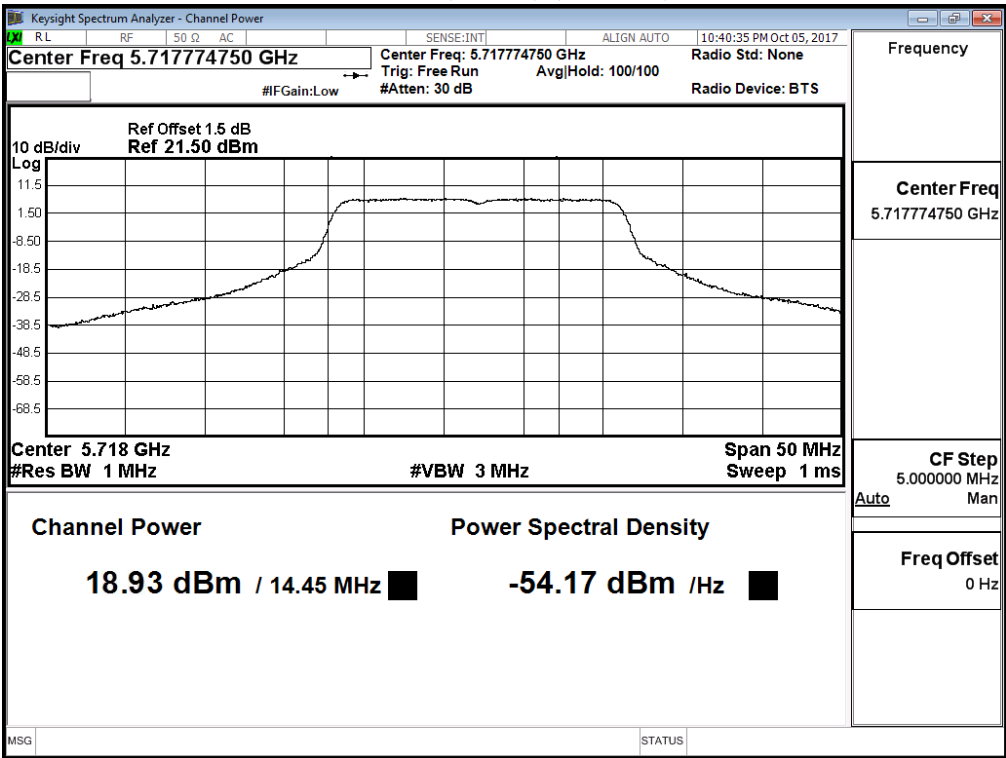
99% Occupied Bandwidth:
Channel 144: Chain A



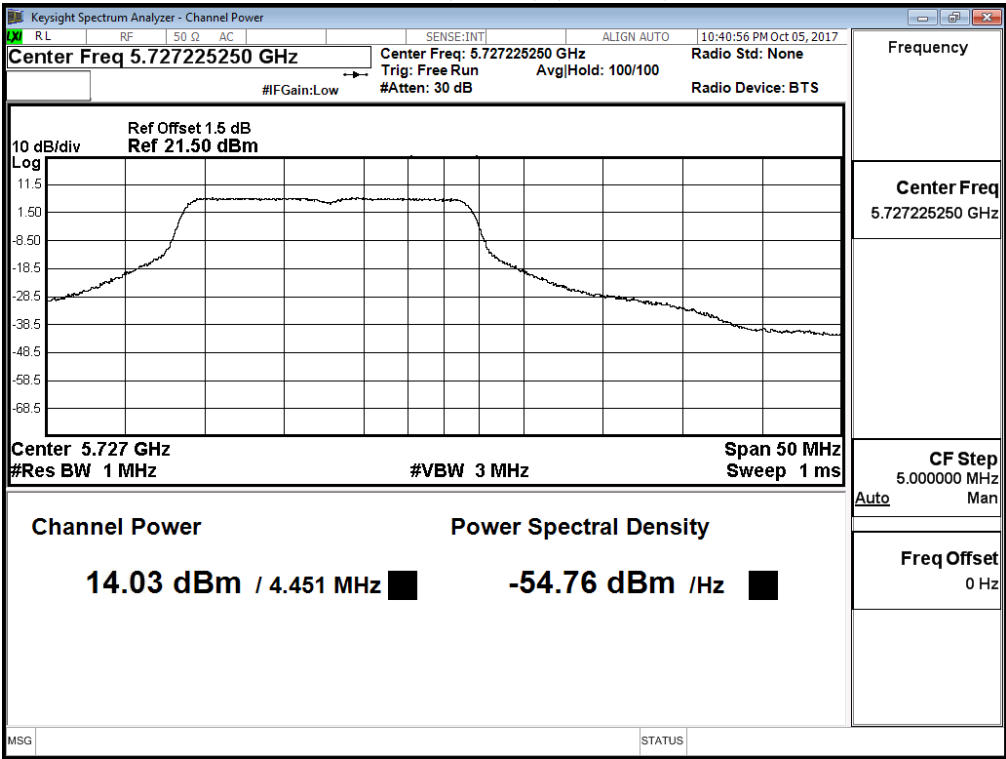
Channel 144: Chain B



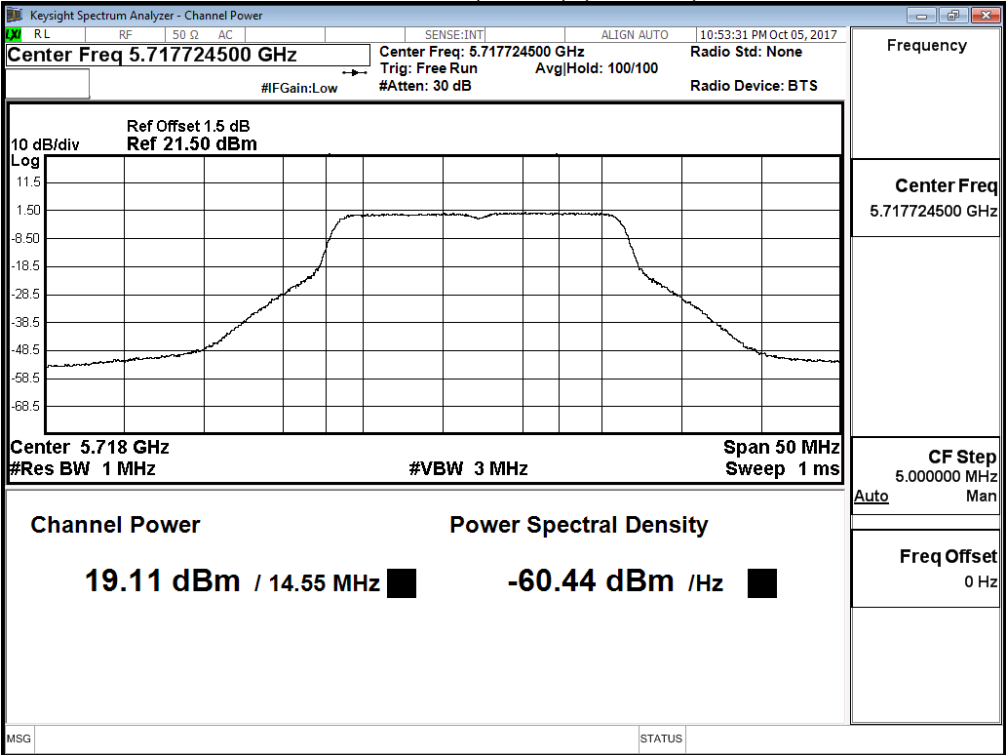
Maximum conducted output power:
Channel 144 (Band3) (Chain A)



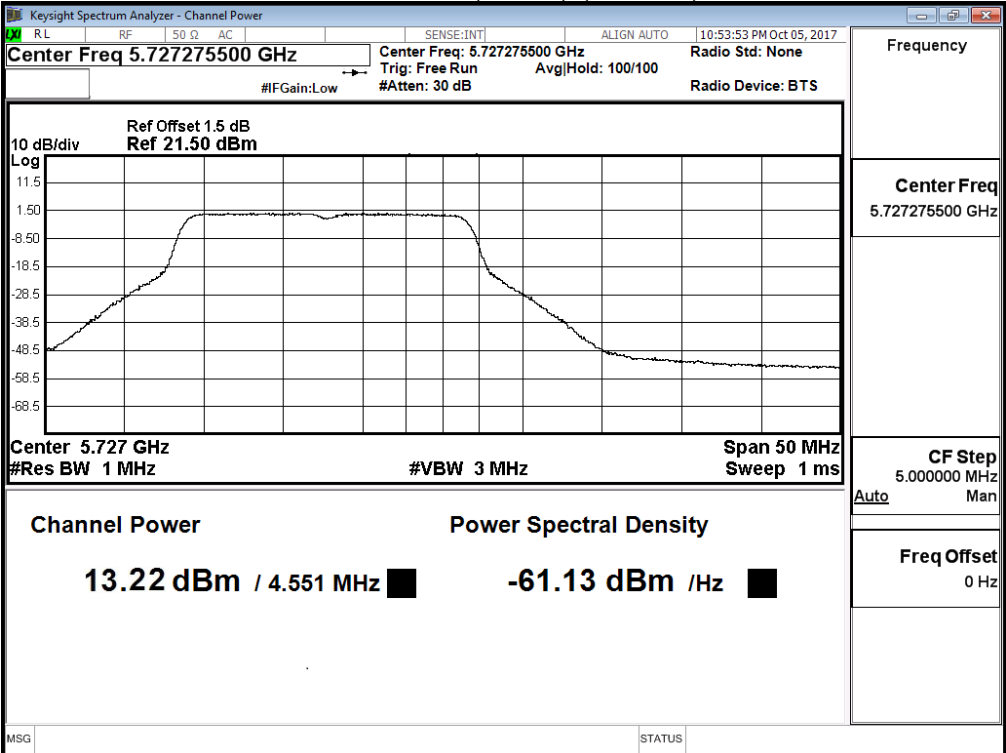
Channel 144 (Band4) (Chain A)



Channel 144 (Band3) (Chain B)



Channel 144 (Band4) (Chain B)



待測物名稱：Intel® Wireless-AC 9560

待測物型號：9560NGW

測試項目：峰值發射功率

測試頻道：--

測試模式：Mode 3: 發射器 802.11ac-40BW -MIMO

6 dB 頻寬：1MHz

視頻頻寬：3MHz

檢測器：峰值

環境溫度：22 °C

測試日期：106 年 10 月 12 日

環境濕度：55 %

Chain A

Cable loss=1.5dB		Maximum conducted output power								
Channel No	Frequency (MHz)	Data Rate (Mbps)								Required Limit
		HT8	HT9	HT10	HT11	HT12	HT13	HT14	HT15	
142F(Band3)	5710	20.38	20.27	20.18	20.07	19.94	19.88	19.76	19.68	<24dBm
142F(Band4)	5710	10.47	10.41	10.35	10.28	10.20	10.11	10.02	9.96	<30dBm

Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

Chain B

Cable loss=1.5dB		Maximum conducted output power								Required Limit
Channel No	Frequency (MHz)	Data Rate (Mbps)								
		HT8	HT9	HT10	HT11	HT12	HT13	HT14	HT15	
142F(Band3)	5710	20.43	20.35	20.27	20.19	20.08	19.94	19.86	19.75	<24dBm
142F(Band4)	5710	10.58	10.51	10.42	10.35	10.28	10.18	10.11	10.06	<30dBm

Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

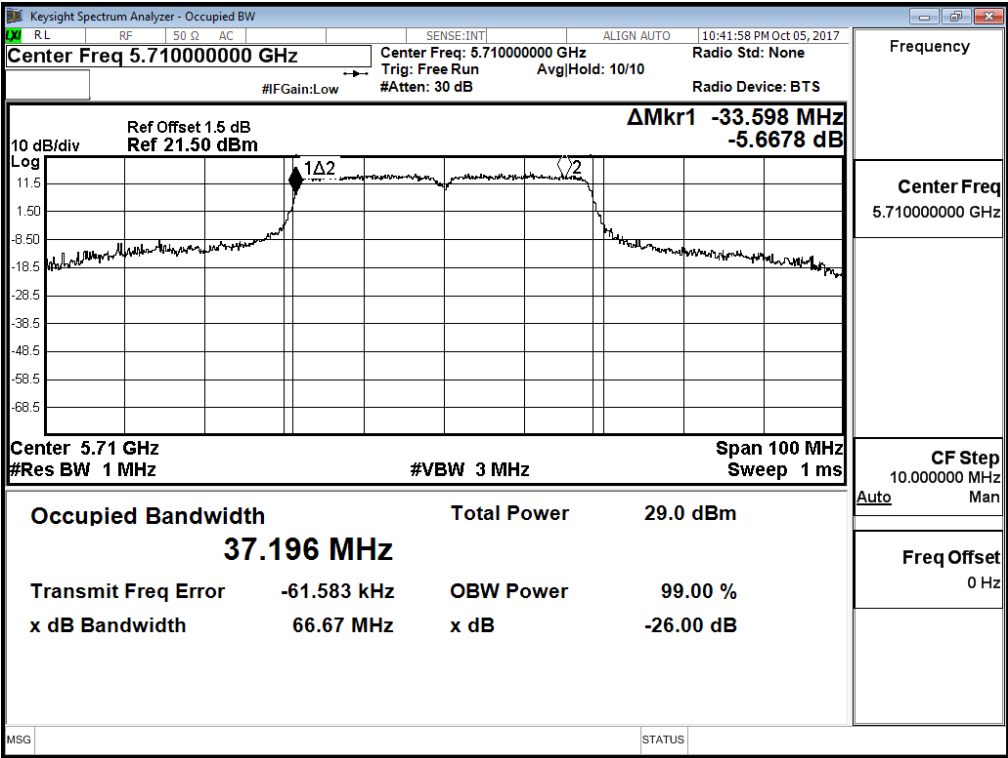
Maximum conducted output power Measurement:**Chain A + B**

Channel No	Frequency Range	99% Bandwidth	Chain A Power	Chain B Power	Output Power	Output Power Limit		Result
	(MHz)	(MHz)	(dBm)	(dBm)	(dBm)	(dBm)	dBm+10log(BW)	
142F(Band3)	5710	33.825	20.38	20.43	23.42	24	26.29	Pass
142F(Band4)	5710	--	10.47	10.58	13.54	30	--	Pass

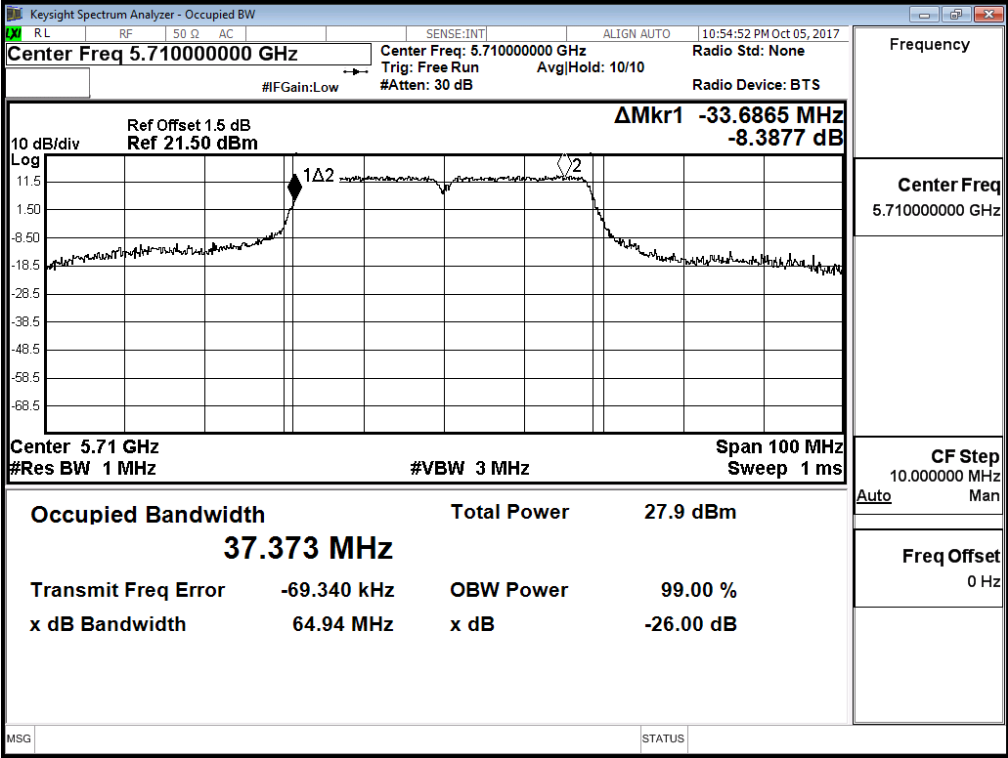
Note:

1. Output Power (dBm) = 10LOG (Chain A Power (mW)+ Chain B Power (mW))
2. 99% Bandwidth is the bandwidth of chain A or chain B whichever is less bandwidth, output power limitation is more stringent.

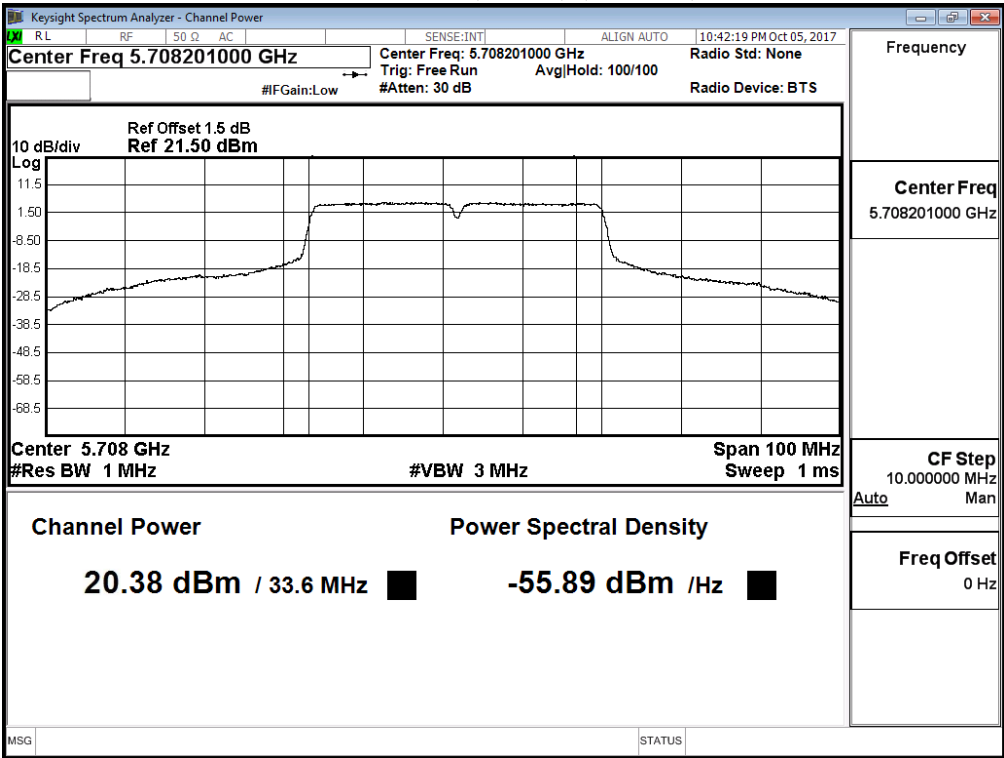
99% Occupied Bandwidth:
Channel 142: Chain A



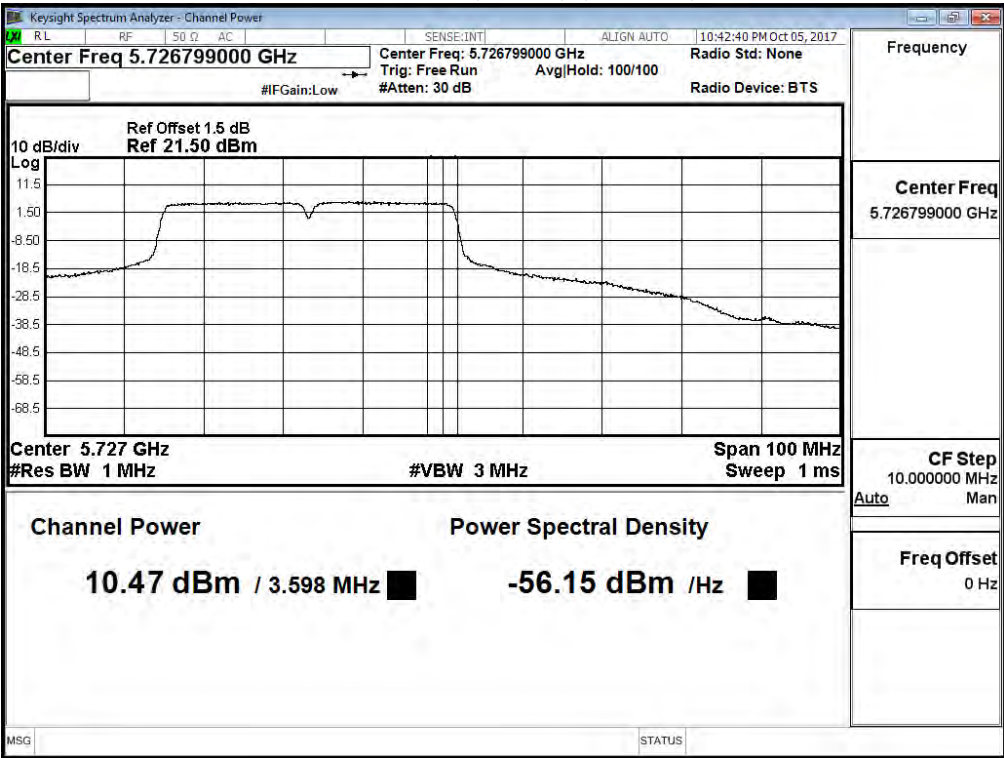
Channel 142: Chain B



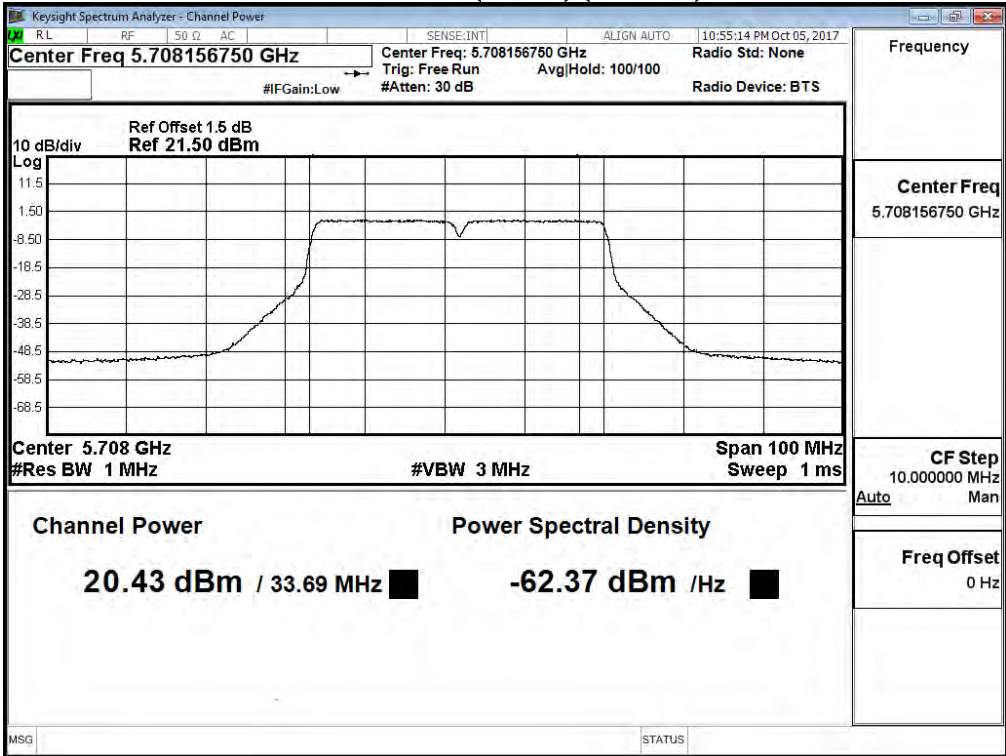
Maximum conducted output power:
Channel 142 (Band3) (Chain A)



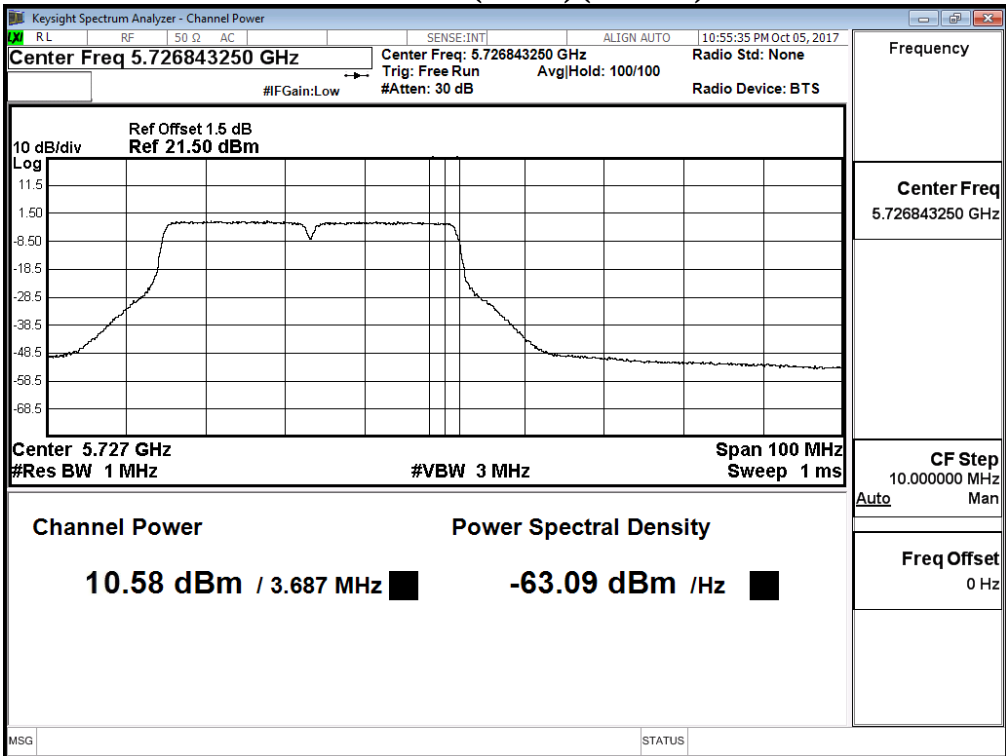
Channel 142 (Band4) (Chain A)



Channel 142 (Band3) (Chain B)



Channel 142 (Band4) (Chain B)



待測物名稱：Intel® Wireless-AC 9560

待測物型號：9560NGW

測試項目：峰值發射功率

測試頻道：--

測試模式：Mode 3: 發射器 802.11ac-80BW -MIMO

6 dB 頻寬：1MHz

視頻頻寬：3MHz

檢測器：峰值

環境溫度：22 °C

測試日期：106 年 10 月 12 日

環境濕度：55 %

Chain A

Cable loss=1.5dB		Maximum conducted output power										
Channel No	Frequency (MHz)	Data Rate (Mbps)										Required Limit
		VTH0	VTH1	VTH2	VTH3	VTH4	VTH5	VTH6	VTH7	VTH8	VTH9	
42	5210	16.30	16.22	16.18	16.11	16.07	15.94	15.86	15.77	15.70	15.62	<24dBm
58	5290	15.45	15.33	15.26	15.18	15.06	14.94	14.85	14.77	14.69	14.58	<24dBm
106	5530	14.71	14.63	14.56	14.48	14.29	14.17	14.08	13.94	13.85	13.79	<24dBm
122	5610	20.64	20.58	20.43	20.39	20.24	20.17	20.10	20.06	19.99	19.92	<24dBm
138(Band3)	5690	20.41	20.36	20.28	20.17	20.11	20.04	19.89	19.72	19.66	19.59	<24dBm
138(Band4)	5690	5.05	4.99	4.90	4.83	4.74	4.62	4.59	4.51	4.43	4.37	<30dBm
155	5775	17.69	17.53	17.48	17.33	17.25	17.18	17.05	16.98	16.90	16.82	<30dBm

Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

Chain B

Cable loss=1.5dB		Maximum conducted output power										
Channel No	Frequency (MHz)	Data Rate (Mbps)										Required Limit
		VTH0	VTH1	VTH2	VTH3	VTH4	VTH5	VTH6	VTH7	VTH8	VTH9	
42	5210	16.24	16.18	16.10	16.03	15.96	15.84	15.78	15.62	15.54	15.42	<24dBm
58	5290	15.48	15.34	15.29	15.18	15.11	15.06	15.00	14.96	14.89	14.83	<24dBm
106	5530	14.66	14.57	14.48	14.36	14.28	14.18	14.11	14.04	13.95	13.89	<24dBm
122	5610	20.50	20.39	20.27	20.18	20.09	20.00	19.89	19.78	19.68	19.60	<24dBm
138(Band3)	5690	20.38	20.31	20.25	20.18	20.10	20.02	19.93	19.86	19.77	19.64	<24dBm
138(Band4)	5690	5.91	5.84	5.76	5.69	5.52	5.48	5.27	5.18	5.11	5.07	<30dBm
155	5775	17.31	17.25	17.18	17.05	16.94	16.83	16.75	16.69	16.58	16.45	<30dBm

Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

Maximum conducted output power Measurement

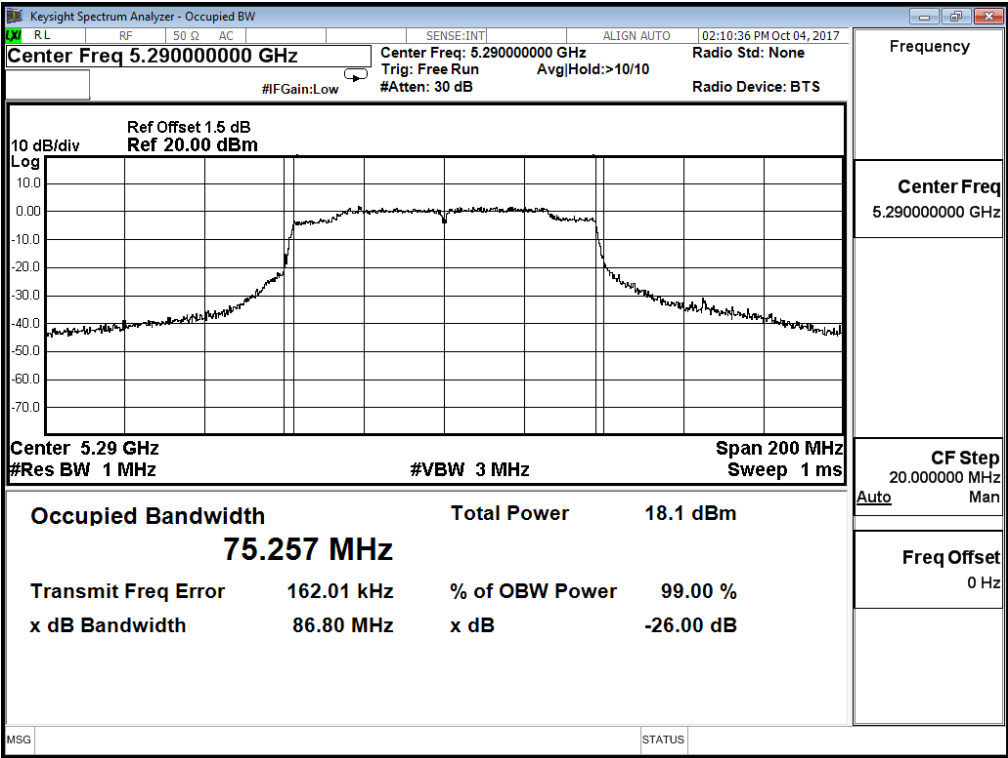
Chain A+ B

Channel No	Frequency Range	99% Bandwidth	Chain A Power	Chain B Power	Output Power	Output Power Limit		Result
	(MHz)	(MHz)	(dBm)	(dBm)	(dBm)	(dBm)	dBm+10log(BW)	
42	5210	--	16.30	16.24	19.28	24	--	Pass
58	5290	75.211	15.45	15.48	18.48	24	29.76	Pass
106	5530	75.213	14.71	14.66	17.70	24	29.76	Pass
122	5610	75.602	20.64	20.50	23.58	24	29.79	Pass
138(Band3)	5690	72.788	20.41	20.38	23.41	24	29.62	Pass
138(Band4)	5690	--	5.05	5.91	8.51	30	--	Pass
155	5775	--	17.69	17.31	20.51	30	--	Pass

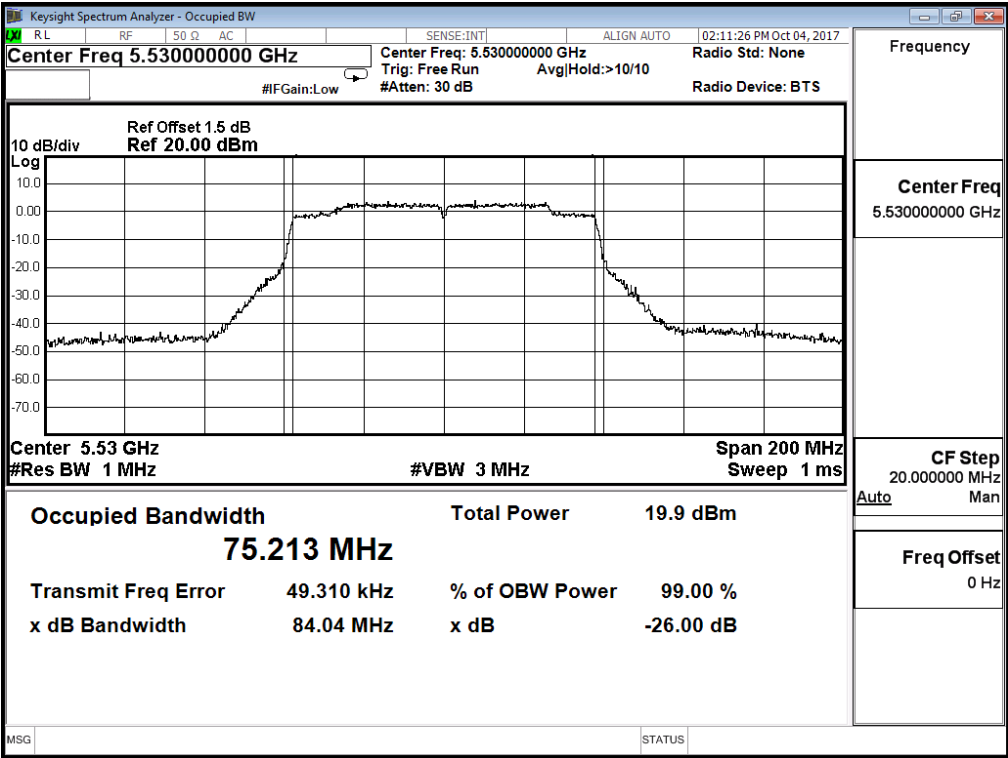
Note:

1. Output Power (dBm) = 10LOG (Chain A Power (mW)+ Chain B Power (mW))
2. 99% Bandwidth is the bandwidth of chain A or chain B whichever is less bandwidth, output power limitation is more stringent.

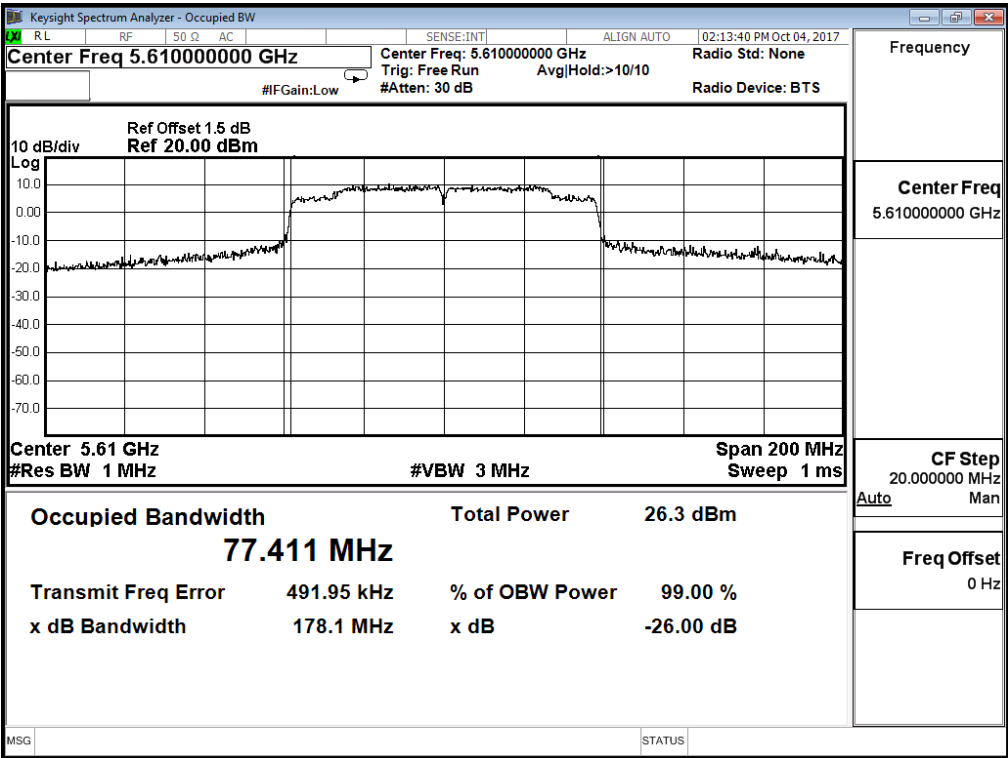
99% Occupied Bandwidth:
Channel 58: Chain A



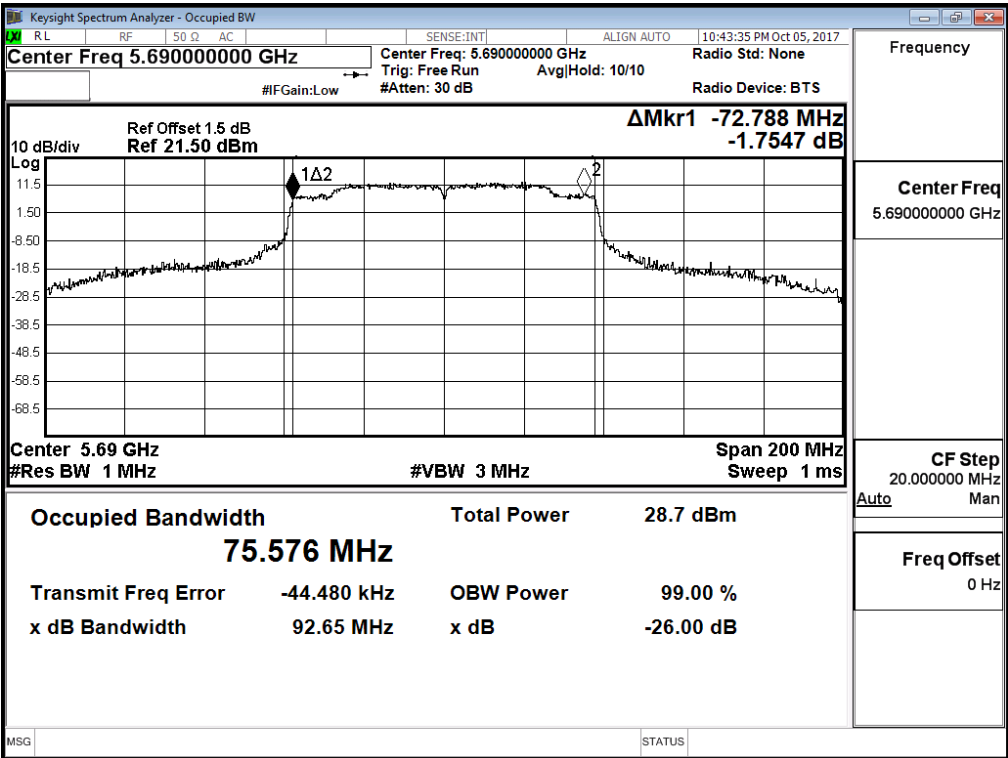
Channel 106: Chain A



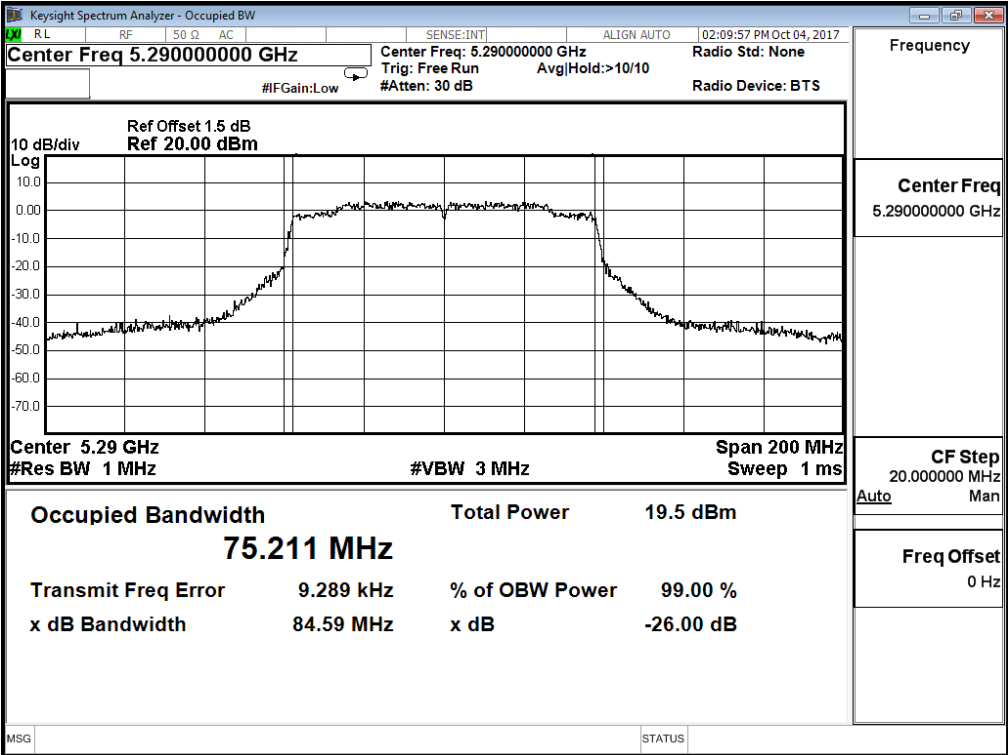
Channel 122: Chain A



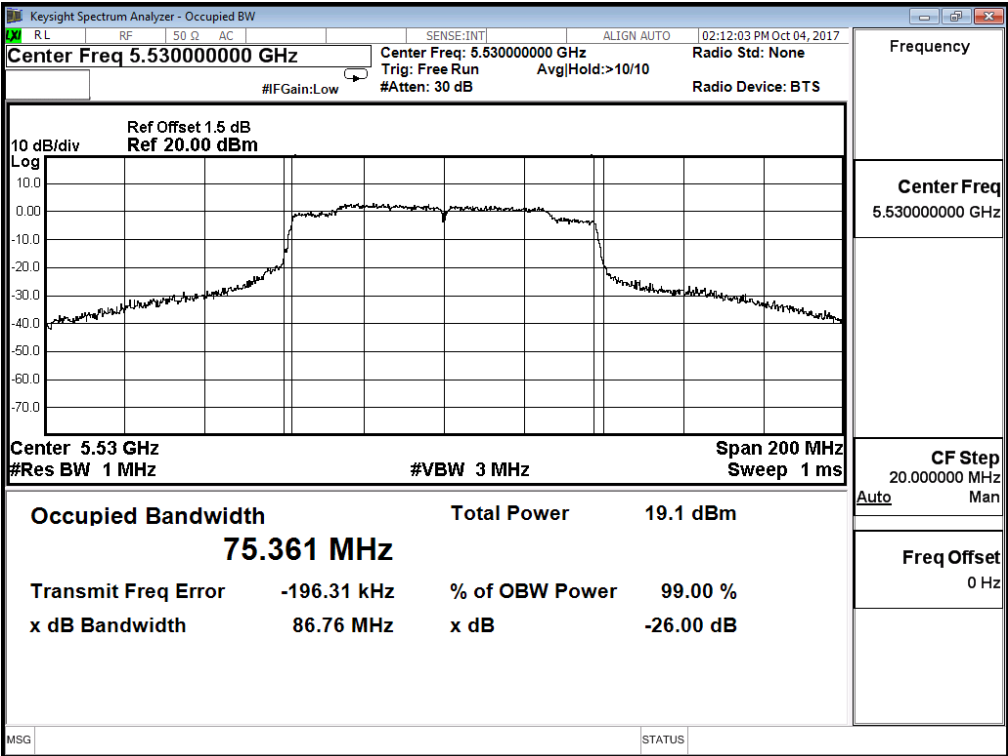
Channel 138: Chain A



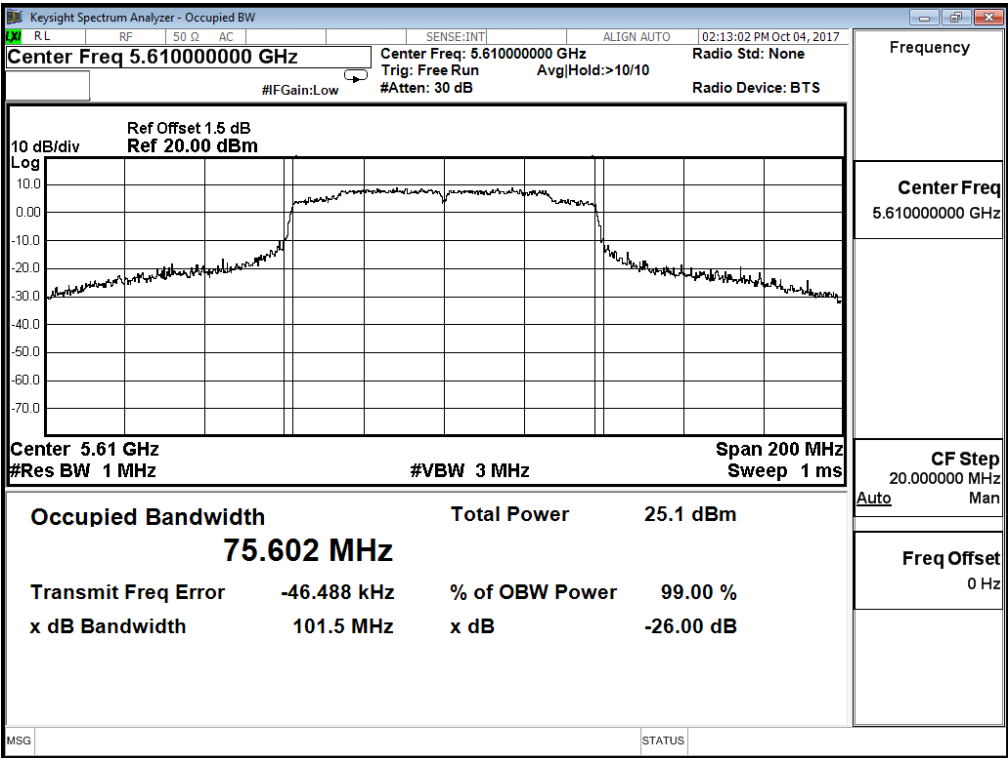
99% Occupied Bandwidth:
Channel 58: Chain B



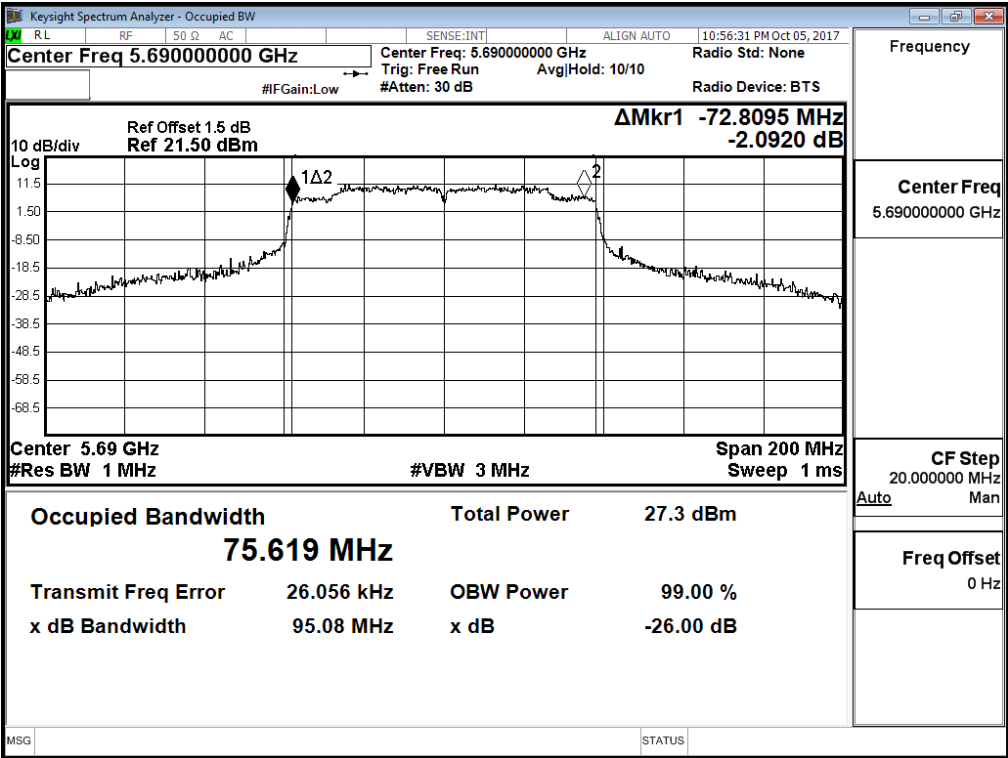
Channel 106: Chain B



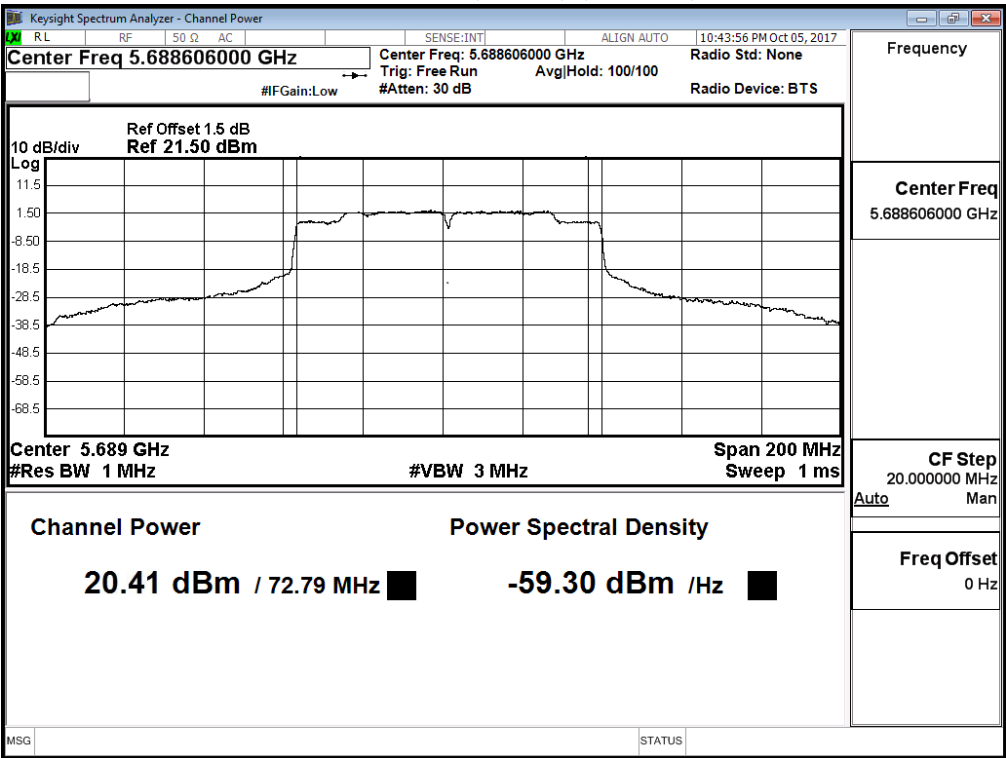
Channel 122: Chain B



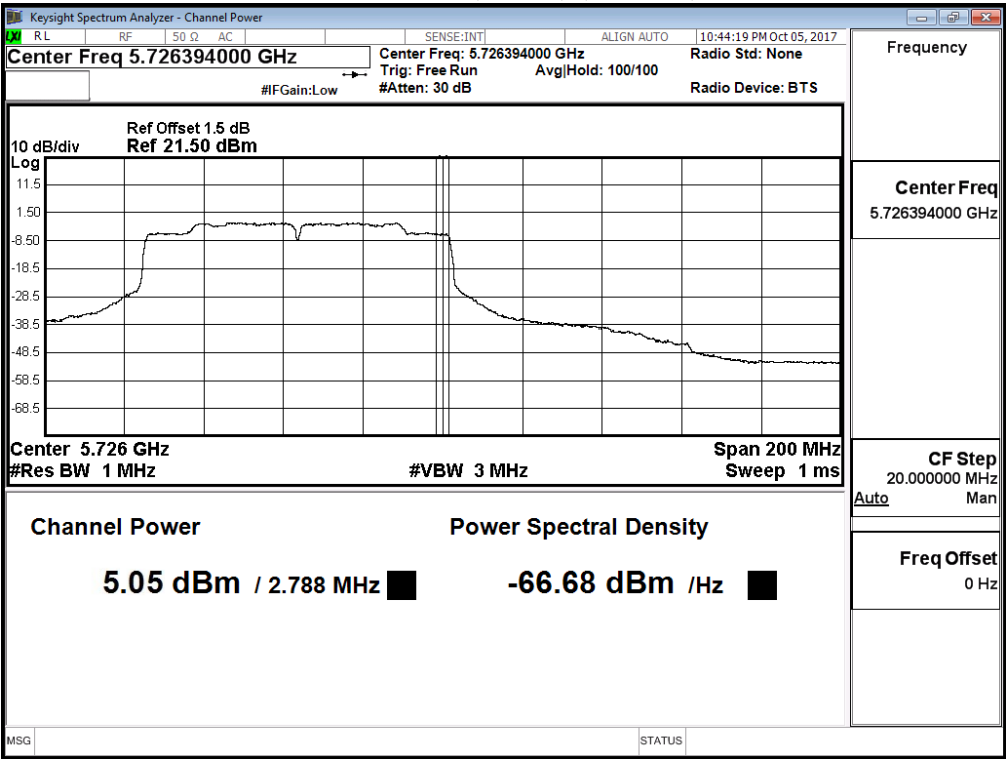
Channel 138: Chain B



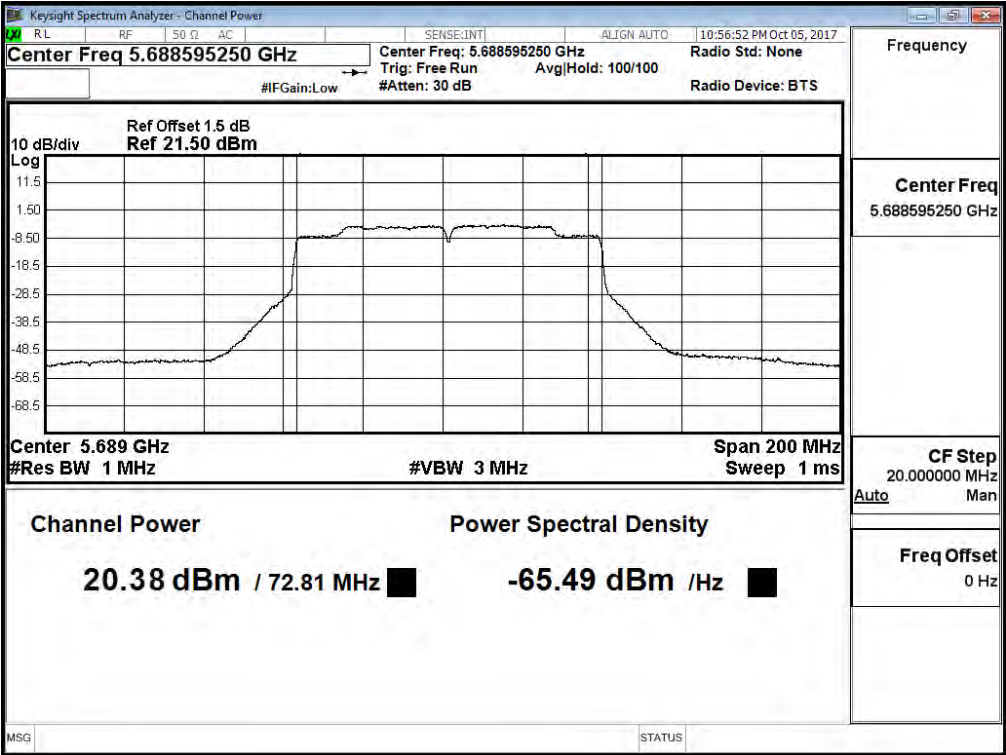
Maximum conducted output power:
Channel 138 (Band3) (Chain A)



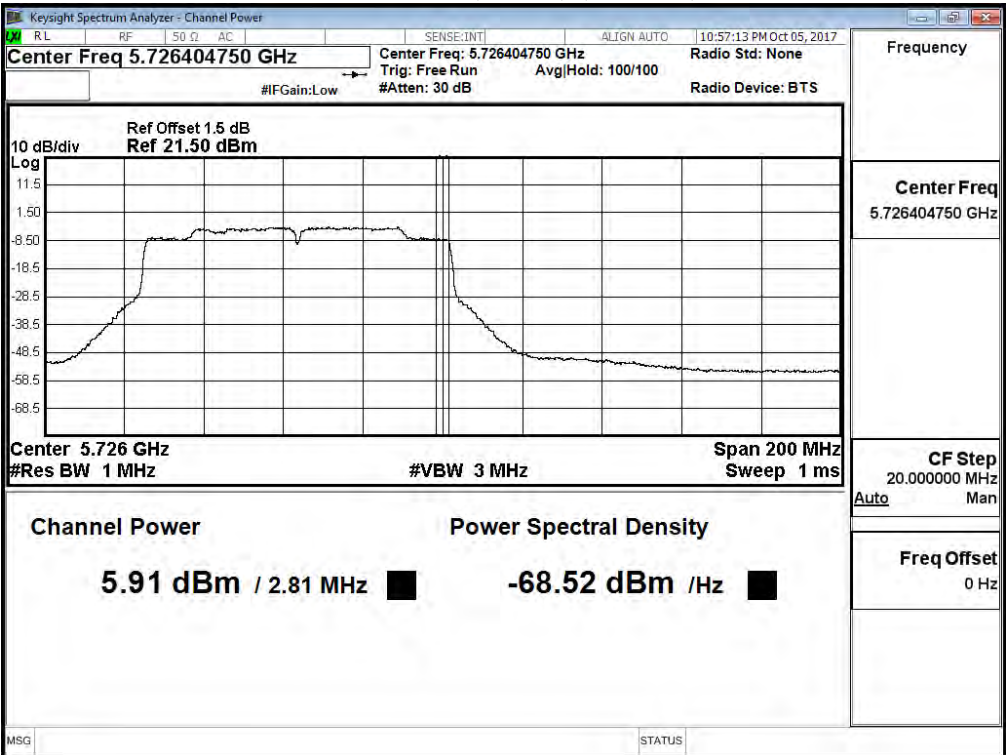
Channel 138 (Band4) (Chain A)



Maximum conducted output power:
Channel 138 (Band3) (Chain B)



Channel 138 (Band4) (Chain B)



待測物名稱：Intel® Wireless-AC 9560

待測物型號：9560NGW

測試項目：峰值發射功率

測試頻道：--

測試模式：Mode 3: 發射器 802.11ac-160BW -MIMO

6 dB 頻寬：1MHz

視頻頻寬：3MHz

檢測器：峰值

環境溫度：22 °C

測試日期：106 年 10 月 12 日

環境濕度：55 %

Chain A

Cable loss=1.5dB		Maximum conducted output power										
Channel No	Frequency (MHz)	Data Rate (Mbps)										Required Limit
		VTH0	VTH1	VTH2	VTH3	VTH4	VTH5	VTH6	VTH7	VTH8	VTH9	
50(Band1)	5250	9.29	9.21	9.15	9.08	9.01	8.93	8.88	8.81	8.74	8.69	<24dBm
50(Band2)	5250	9.18	9.11	9.04	8.99	8.91	8.84	8.77	8.69	8.63	8.57	<24dBm
114	5570	13.56	13.46	13.39	13.31	13.25	13.19	13.10	13.03	12.95	12.89	<24dBm

Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

Chain B

Cable loss=1.5dB		Maximum conducted output power										
Channel No	Frequency (MHz)	Data Rate (Mbps)										Required Limit
		VTH0	VTH1	VTH2	VTH3	VTH4	VTH5	VTH6	VTH7	VTH8	VTH9	
50(Band1)	5250	9.17	9.10	9.02	8.94	8.88	8.81	8.75	8.68	8.61	8.53	<24dBm
50(Band2)	5250	9.14	9.07	8.99	8.93	8.87	8.80	8.72	8.65	8.59	8.51	<24dBm
114	5570	13.47	13.39	13.33	13.25	13.19	13.11	13.04	12.96	12.90	12.85	<24dBm

Note: Maximum conducted output power Value =Reading value on Spectrum Analyzer + cable loss

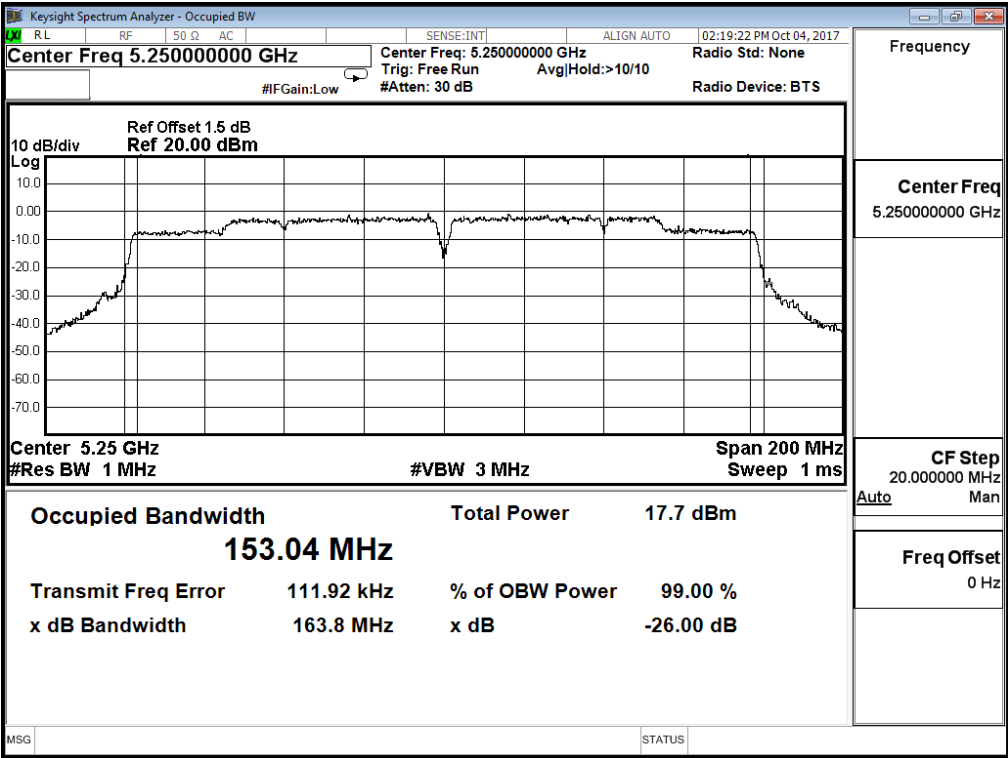
Maximum conducted output power Measurement**Chain A+ B**

Channel No	Frequency Range	26dB Bandwidth	Chain A Power	Chain B Power	Output Power	Output Power Limit		Result
	(MHz)	(MHz)	(dBm)	(dBm)	(dBm)	(dBm)	dBm+10log(BW)	
50(Band1)	5210	--	9.29	9.17	12.24	24	--	Pass
50(Band2)	5290	76.165	9.18	9.14	12.17	24	29.82	Pass
114	5290	152.900	13.56	13.47	16.53	24	32.84	Pass

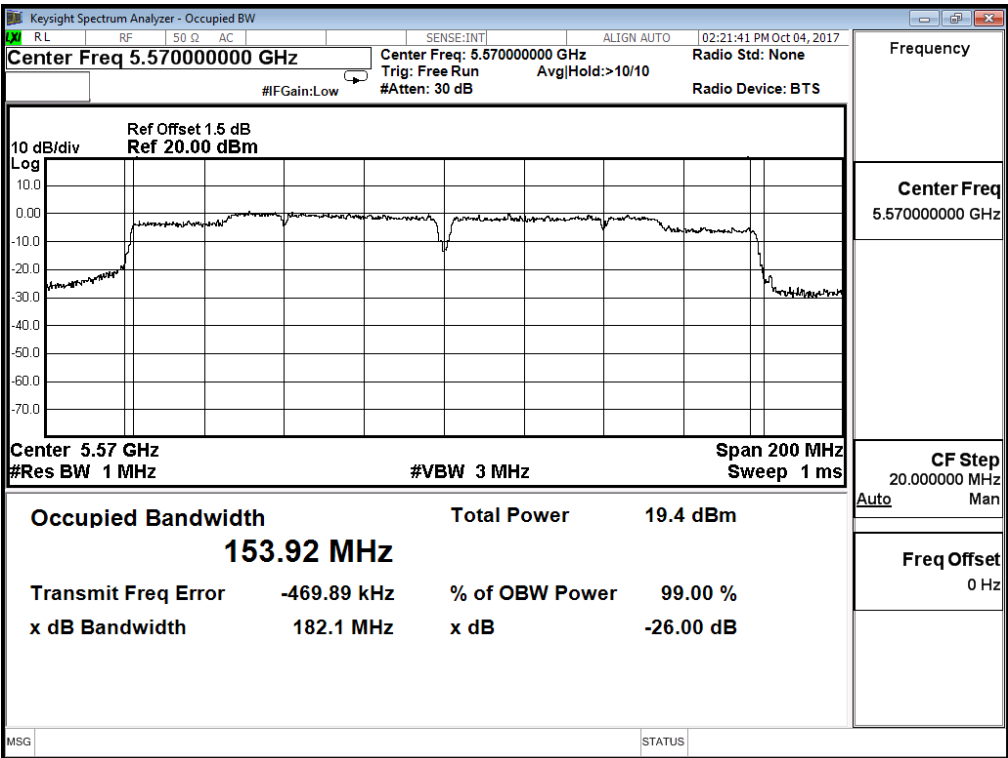
Note:

1. Output Power (dBm) = 10LOG (Chain A Power (mW)+ Chain B Power (mW))
2. 99% Bandwidth is the bandwidth of chain A or chain B whichever is less bandwidth, output power limitation is more stringent.

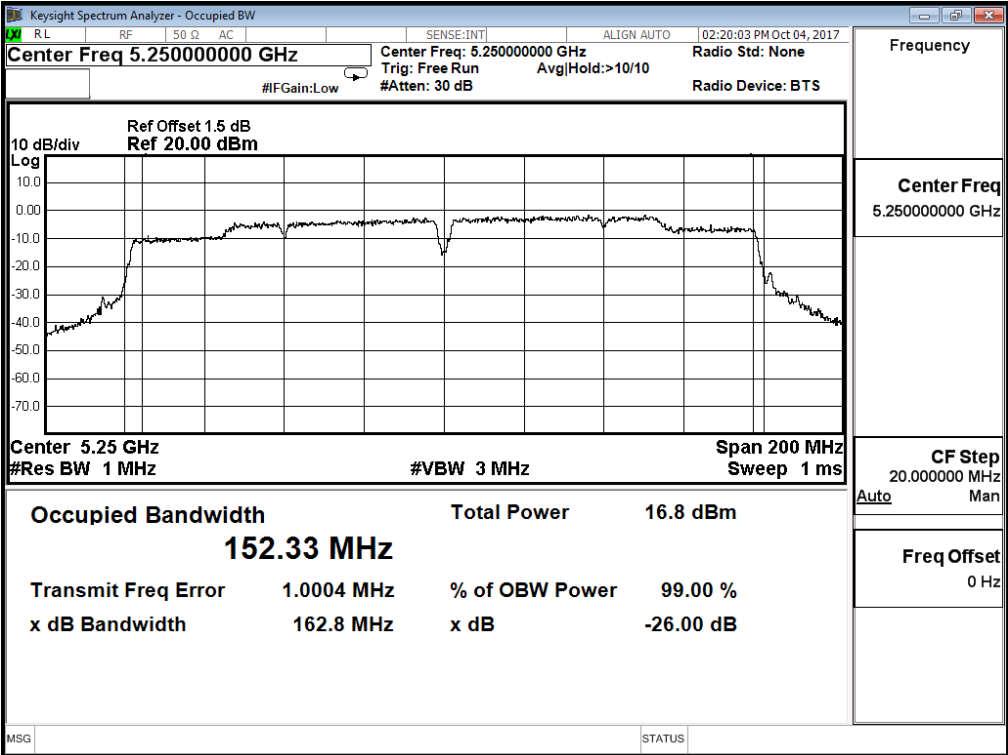
99% Occupied Bandwidth:
Channel 50: Chain A



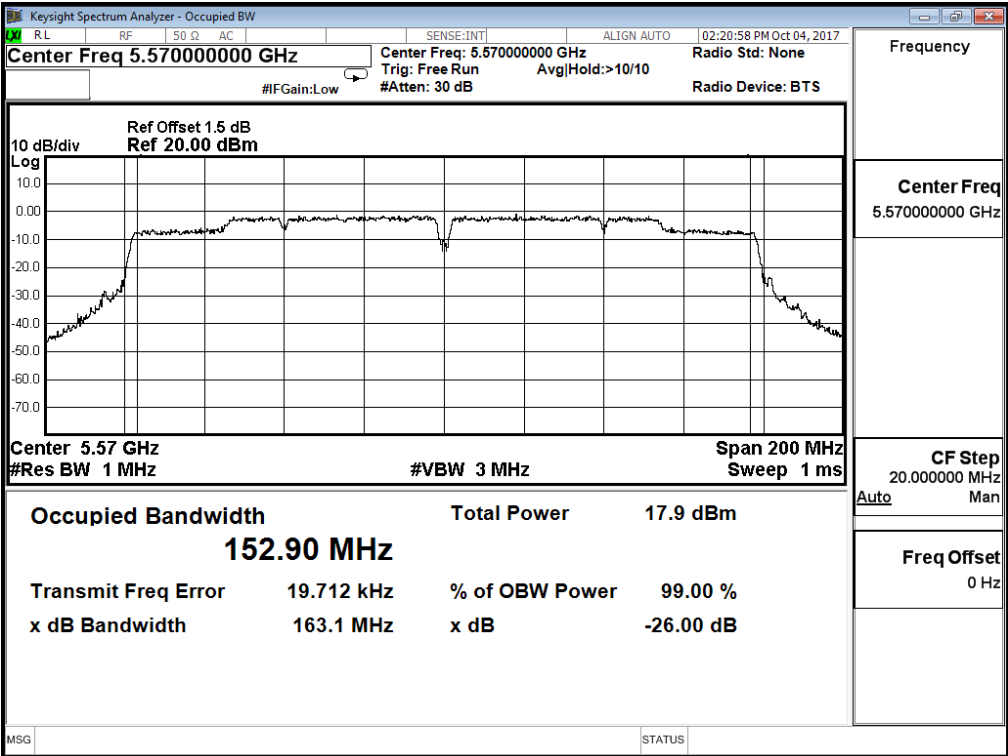
Channel 114: Chain A



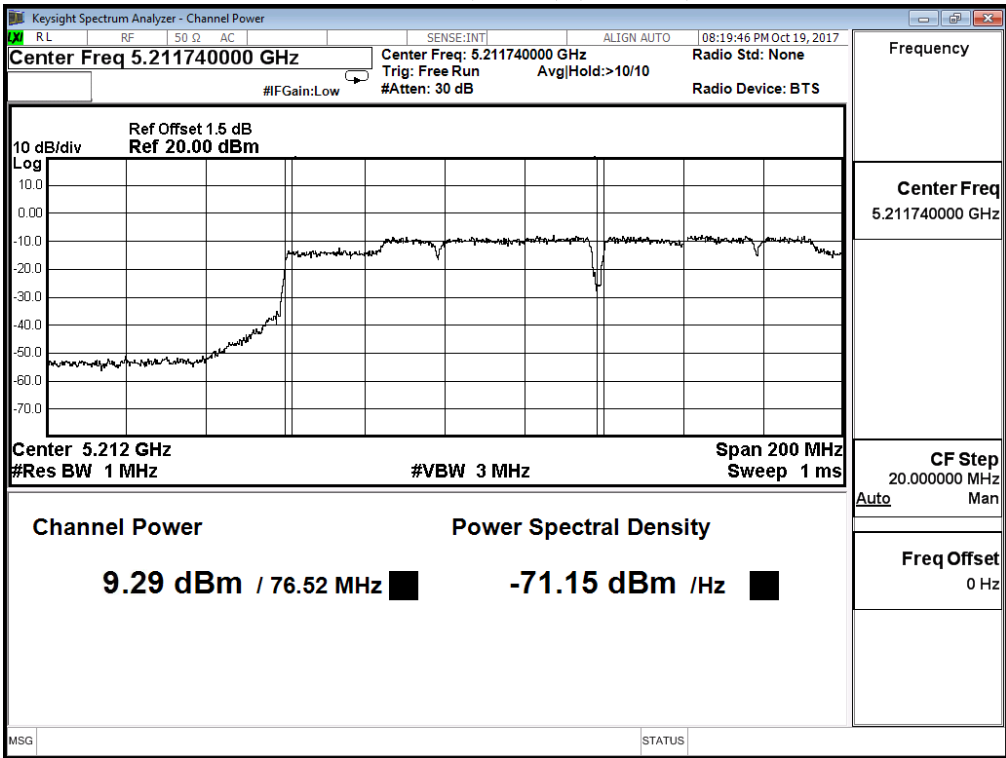
99% Occupied Bandwidth:
Channel 50: Chain B



Channel 114: Chain B



Maximum conducted output power:
Channel 50 (Band1) (Chain A)



Maximum conducted output power:
Channel 50 (Band2) (Chain A)

