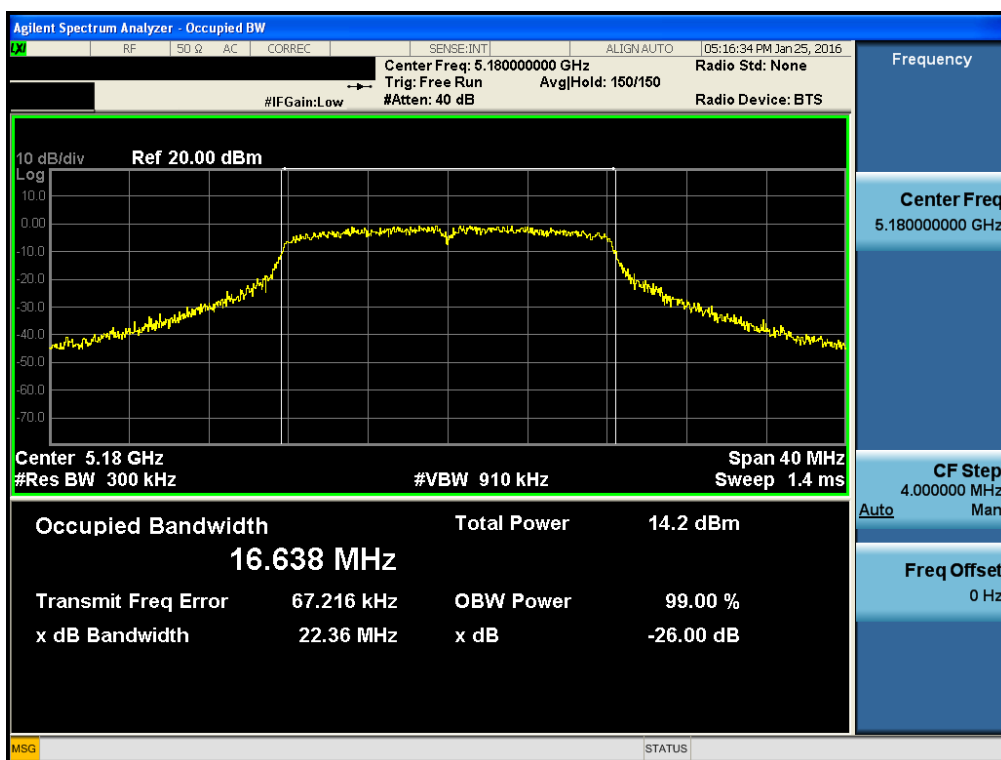


■ RESULT PLOTS

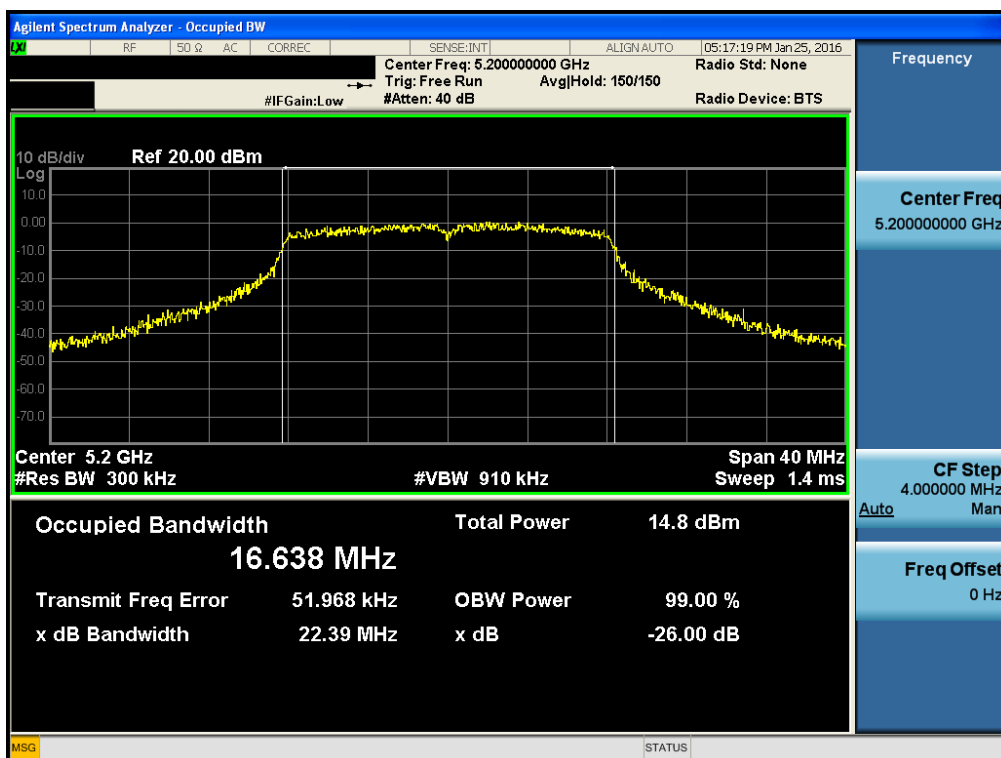
Occupied Bandwidth 99%

Test Mode: 802.11a & Ch.36



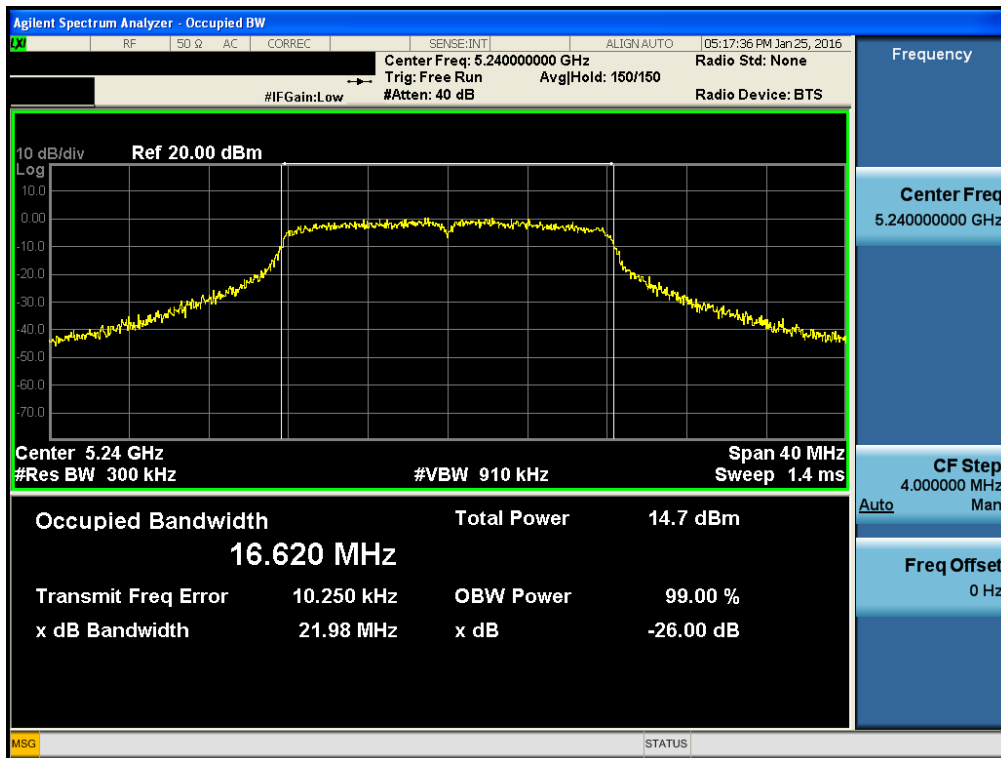
Occupied Bandwidth 99%

Test Mode: 802.11a & Ch.40



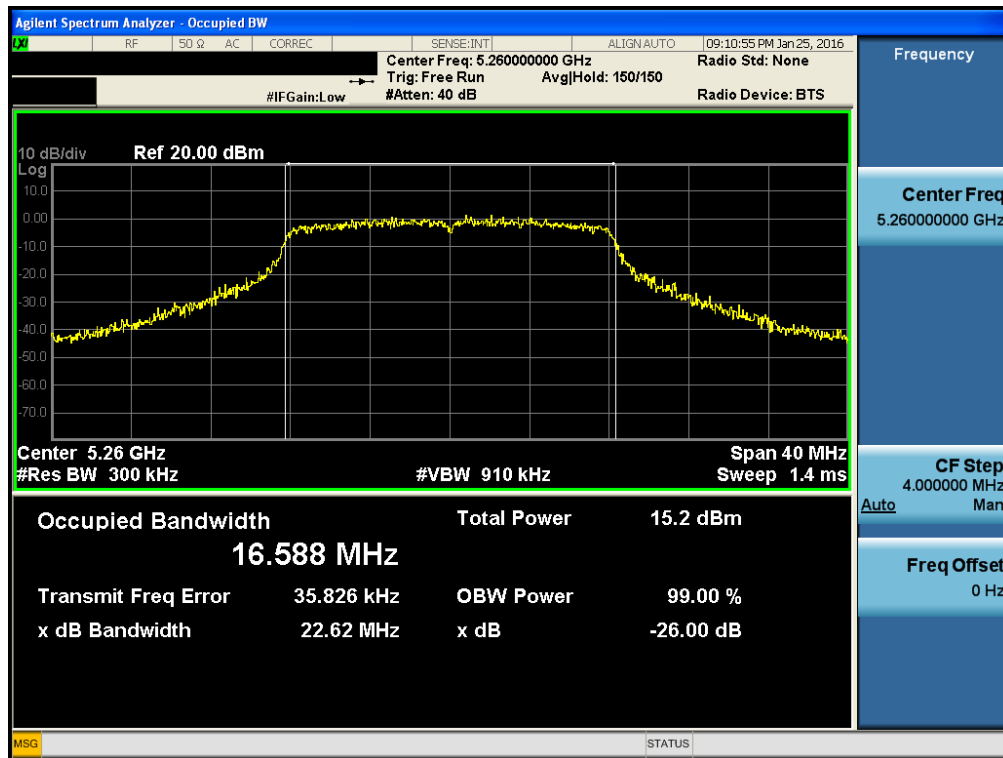
Occupied Bandwidth 99%

Test Mode: 802.11a & Ch.48



Occupied Bandwidth 99%

Test Mode: 802.11a & Ch.52



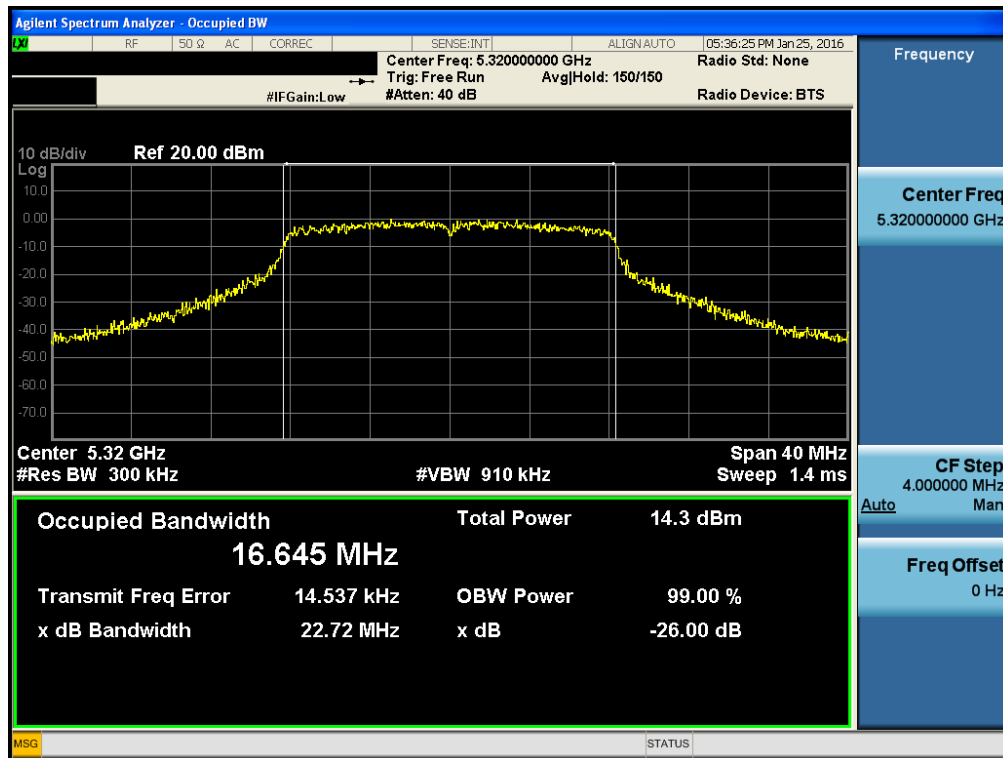
Occupied Bandwidth 99%

Test Mode: 802.11a & Ch.60



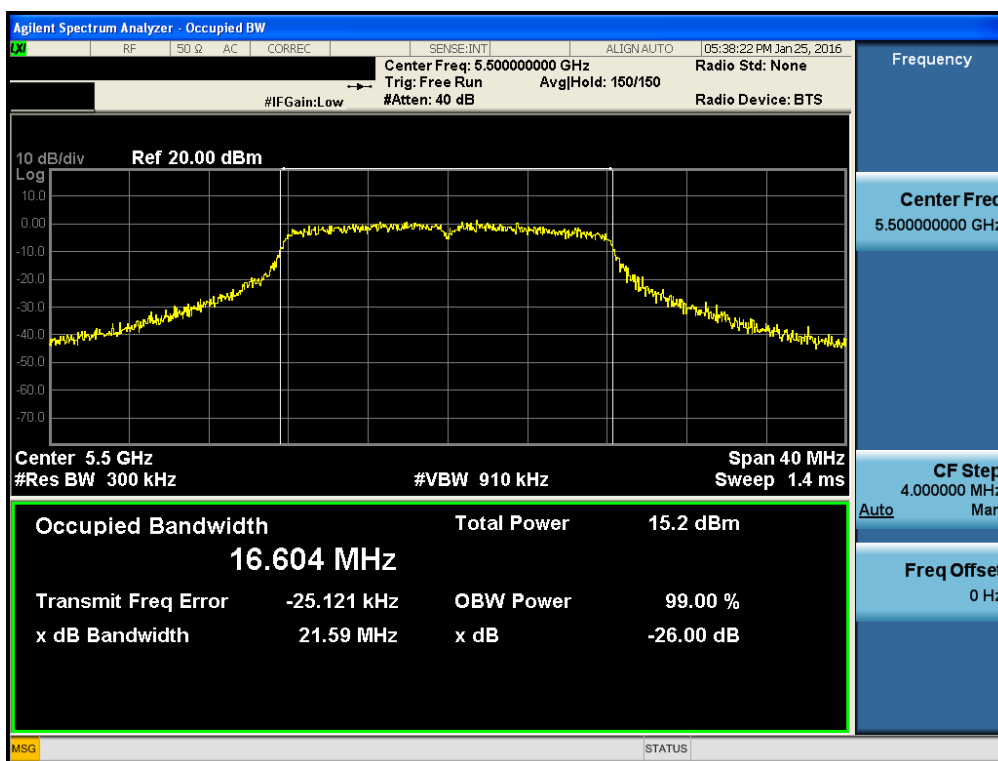
Occupied Bandwidth 99%

Test Mode: 802.11a & Ch.64



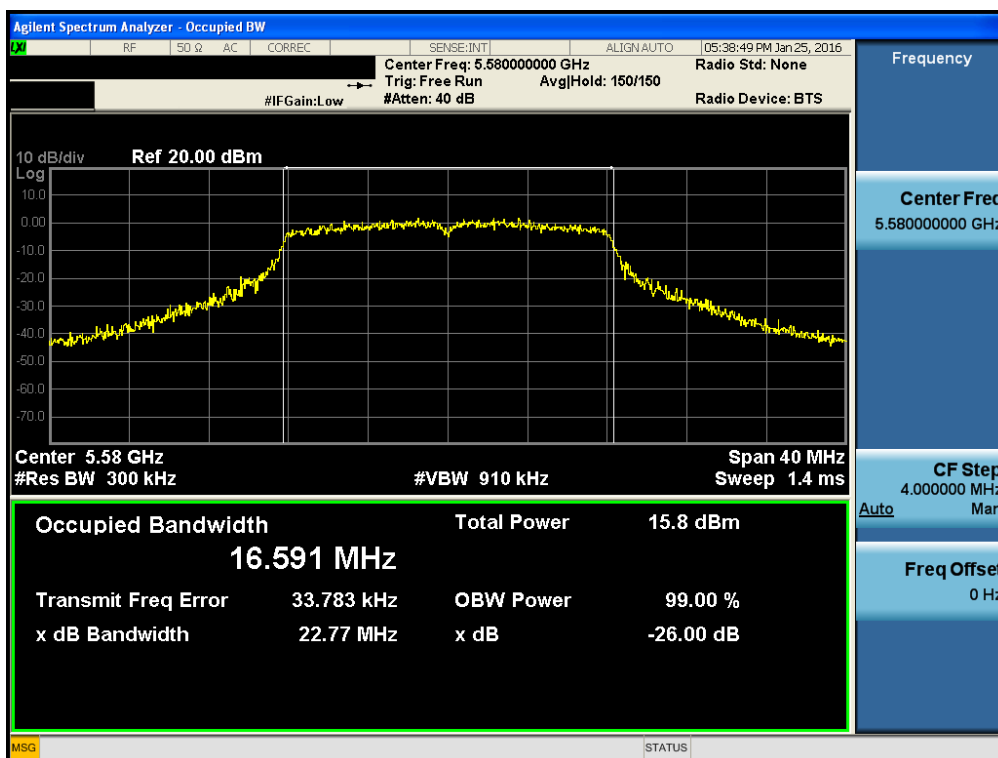
Occupied Bandwidth 99%

Test Mode: 802.11a & Ch.100



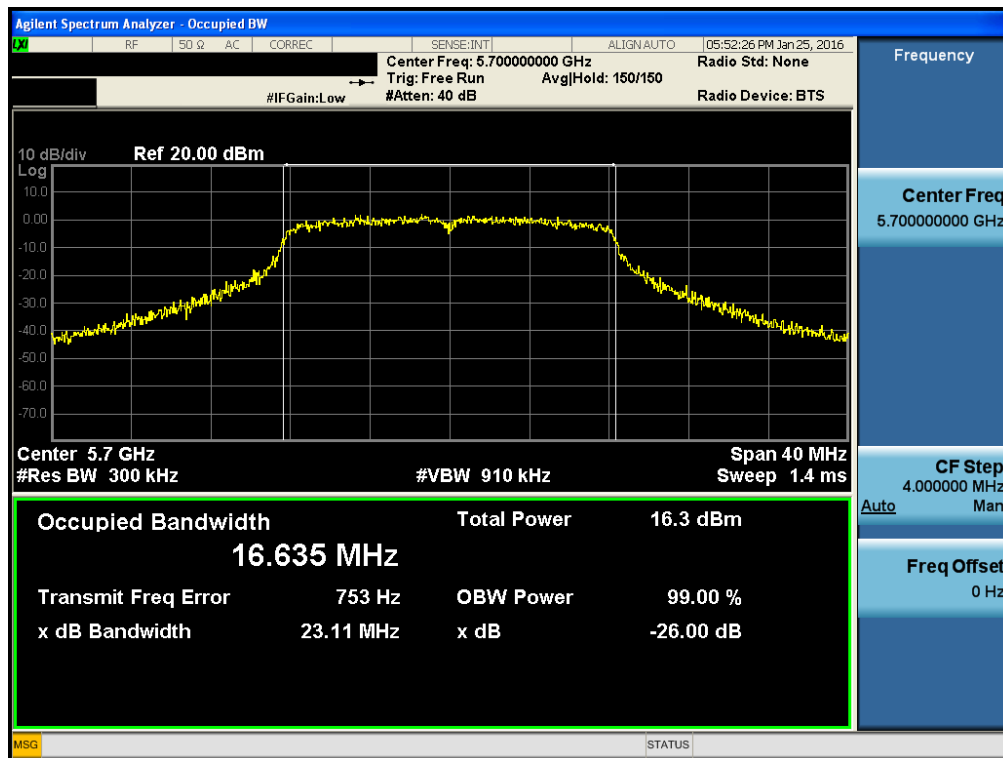
Occupied Bandwidth 99%

Test Mode: 802.11a & Ch.116



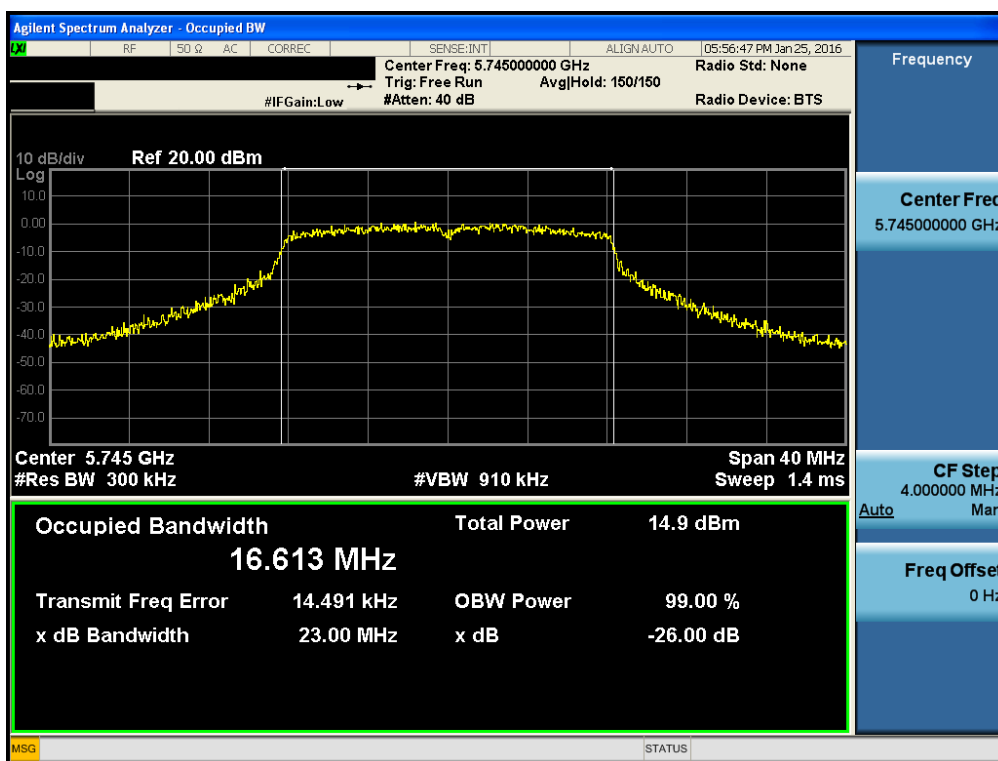
Occupied Bandwidth 99%

Test Mode: 802.11a & Ch.140



Occupied Bandwidth 99%

Test Mode: 802.11a & Ch.149



Occupied Bandwidth 99%

Test Mode: 802.11a & Ch.157



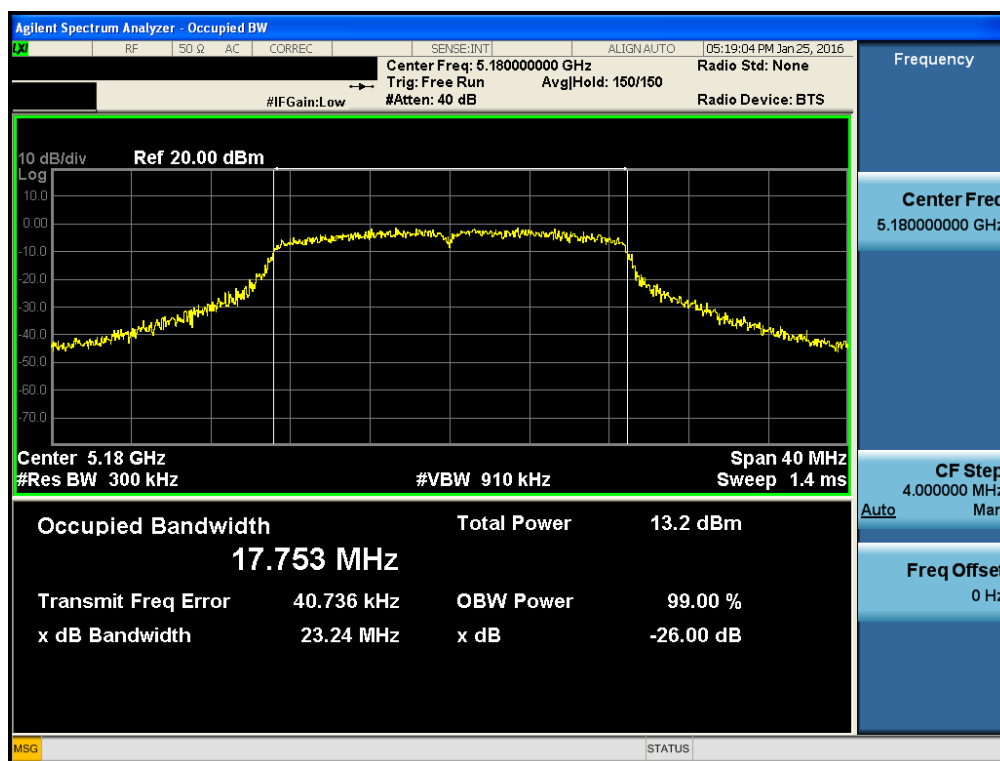
Occupied Bandwidth 99%

Test Mode: 802.11a & Ch.165



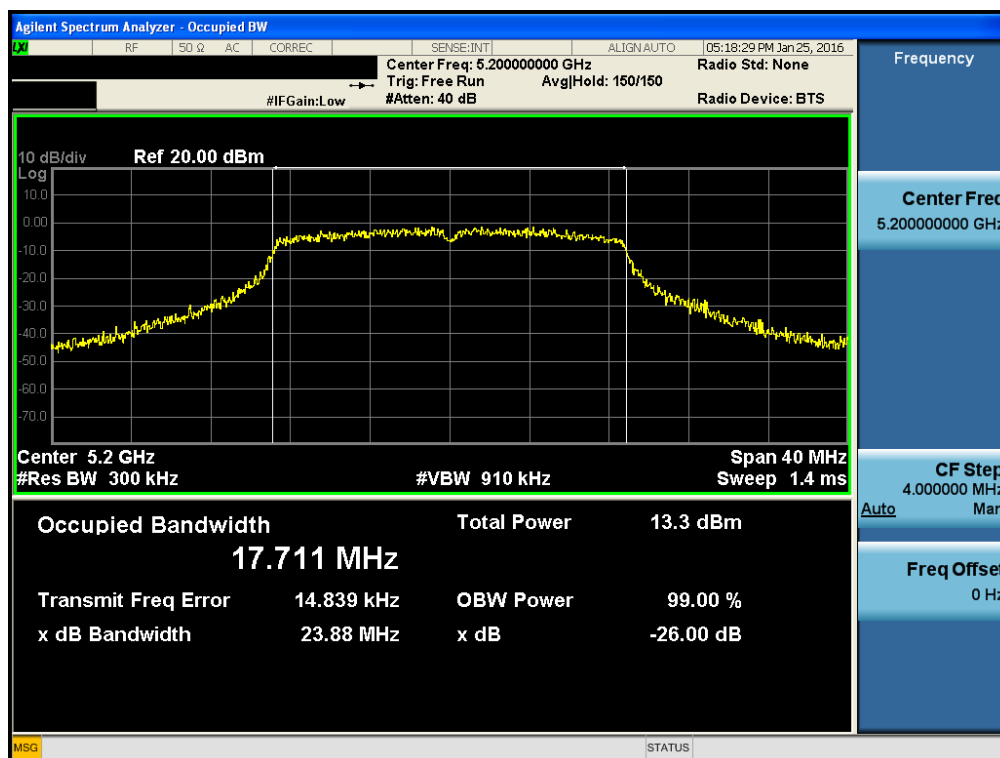
Occupied Bandwidth 99%

Test Mode: 802.11n(HT20) & Ch.36



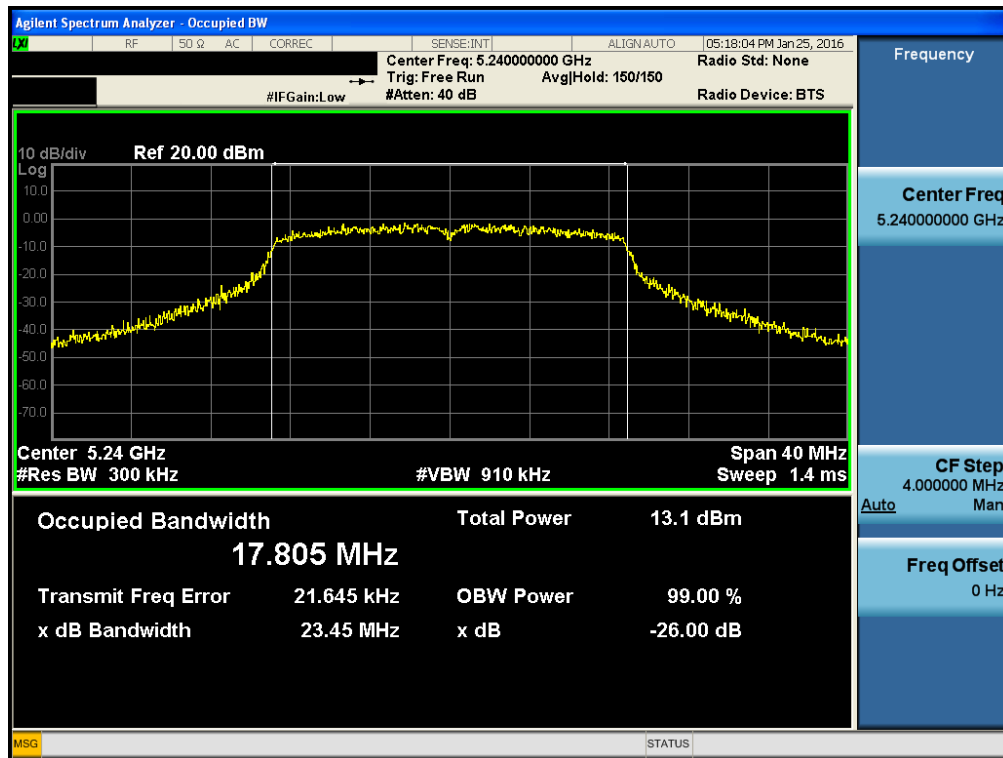
Occupied Bandwidth 99%

Test Mode: 802.11n(HT20) & Ch.40



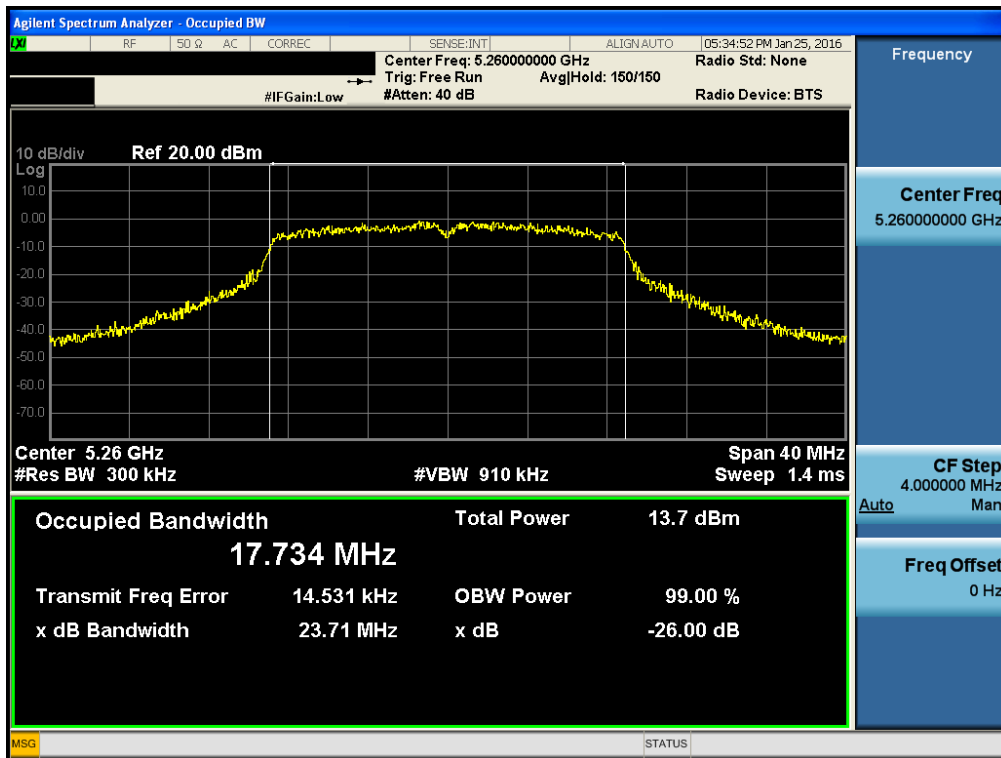
Occupied Bandwidth 99%

Test Mode: 802.11n(HT20) & Ch.48



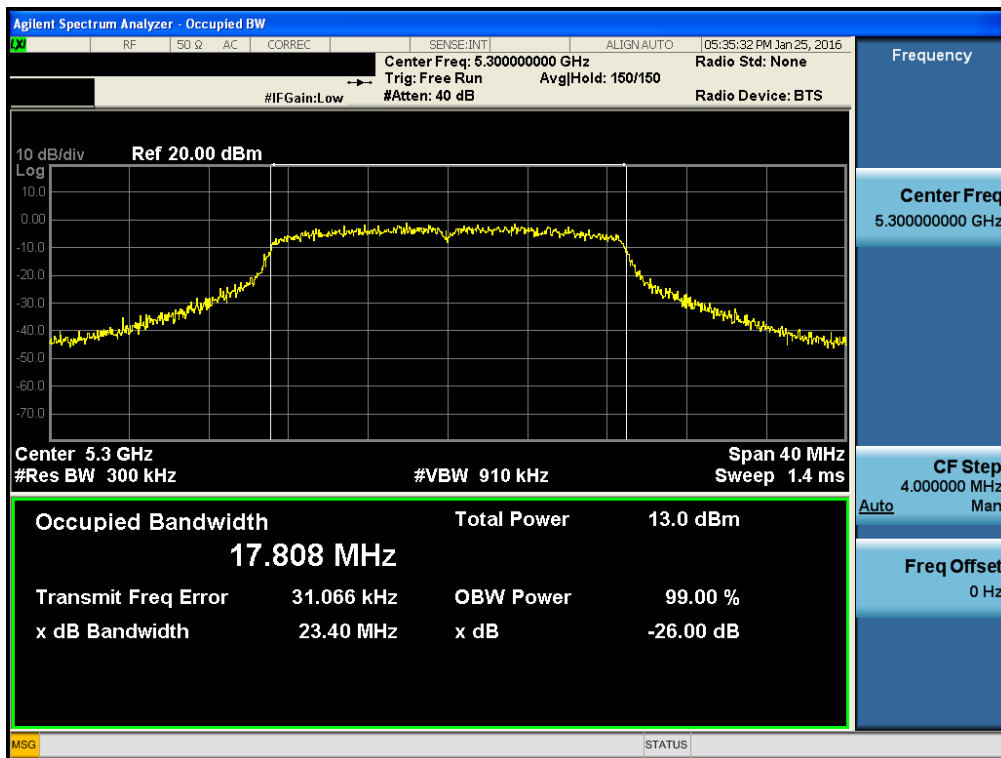
Occupied Bandwidth 99%

Test Mode: 802.11n HT20 & Ch.52



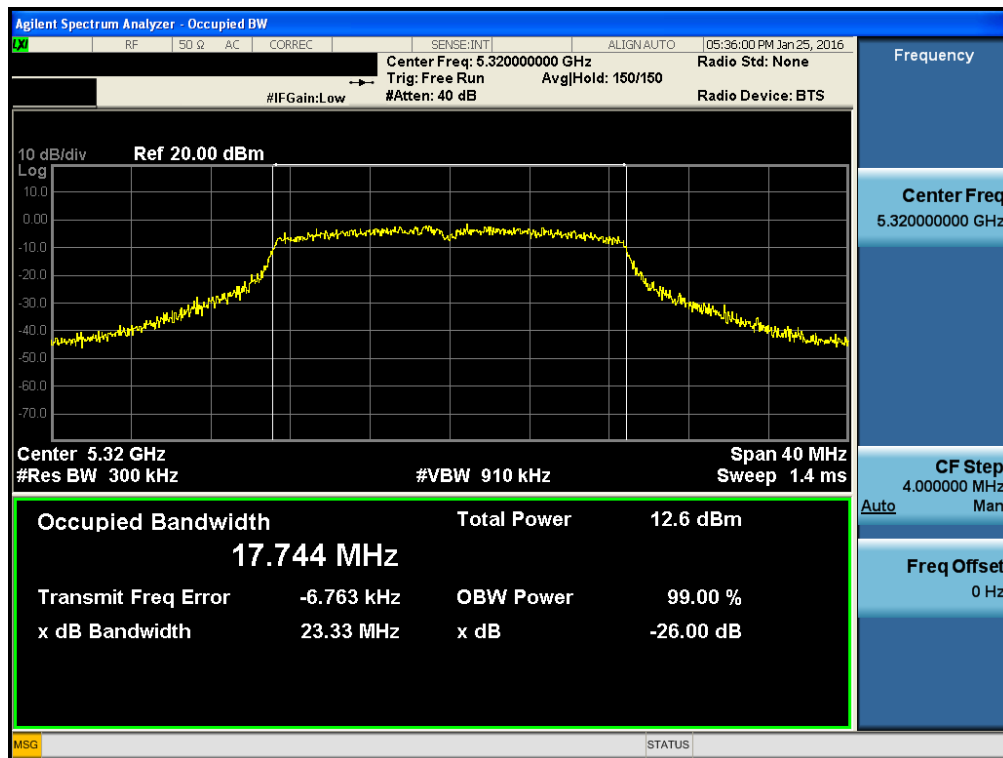
Occupied Bandwidth 99%

Test Mode: 802.11n HT20 & Ch.60



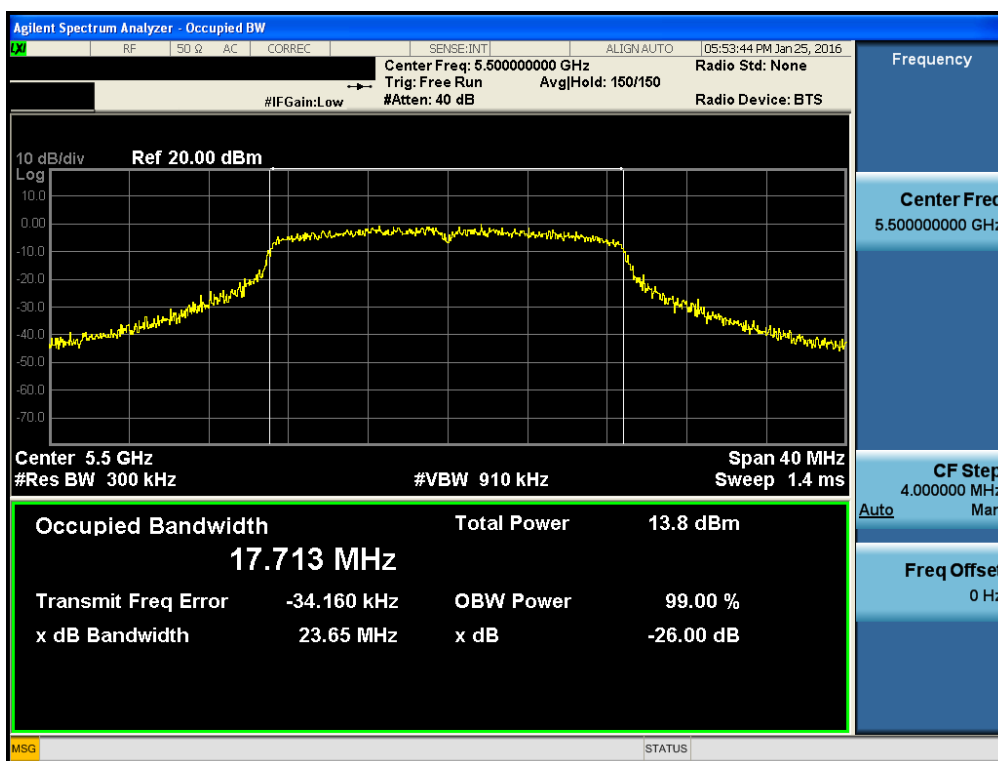
Occupied Bandwidth 99%

Test Mode: 802.11n HT20 & Ch.64



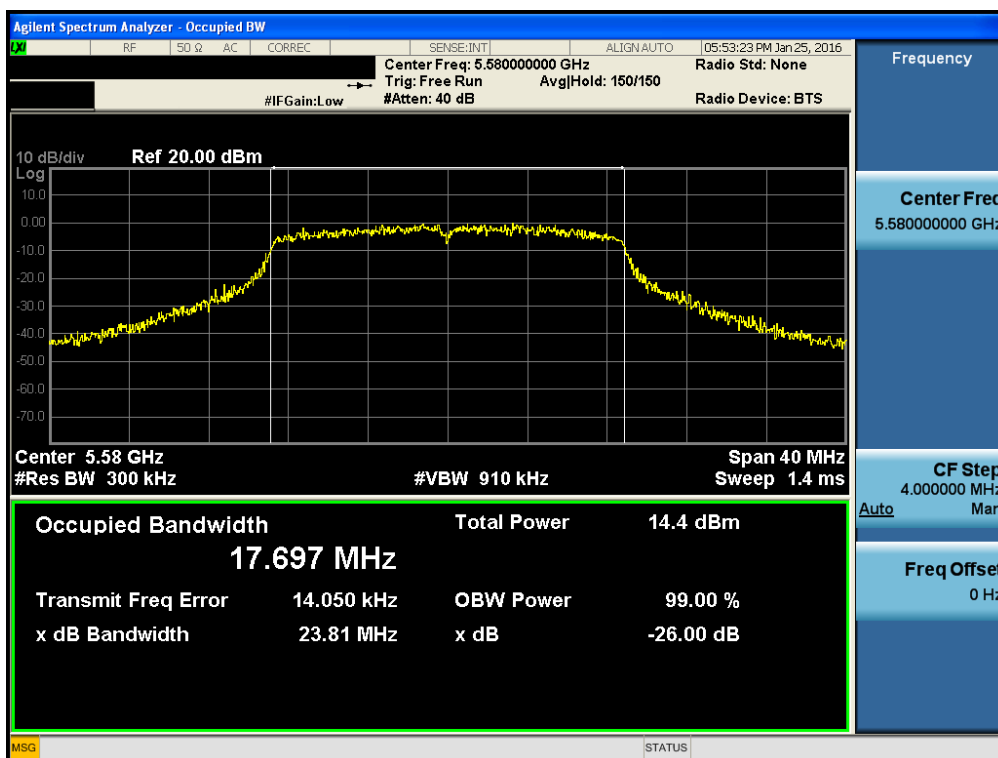
Occupied Bandwidth 99%

Test Mode: 802.11n HT20 & Ch.100



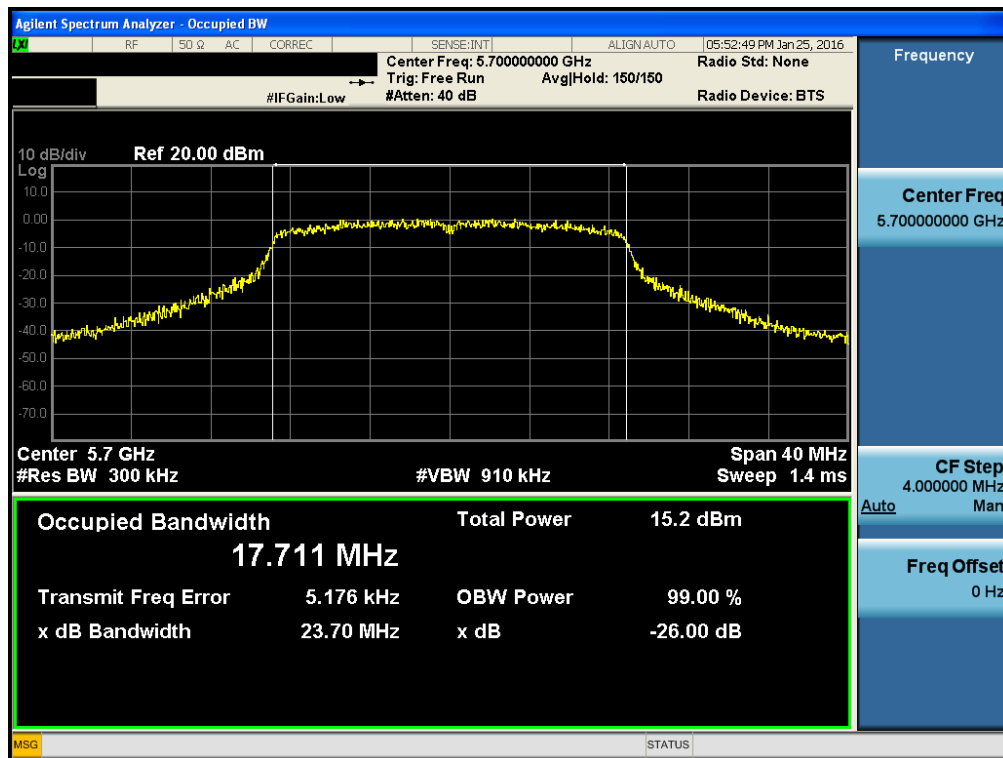
Occupied Bandwidth 99%

Test Mode: 802.11n HT20 & Ch.116



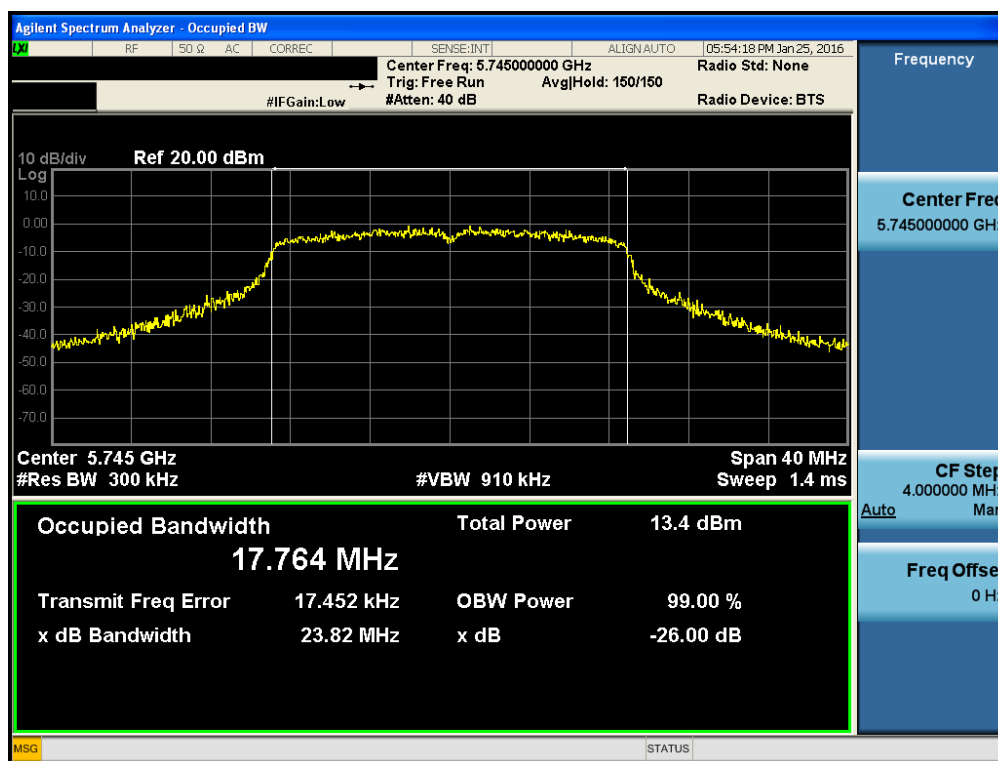
Occupied Bandwidth 99%

Test Mode: 802.11n HT20 & Ch.140



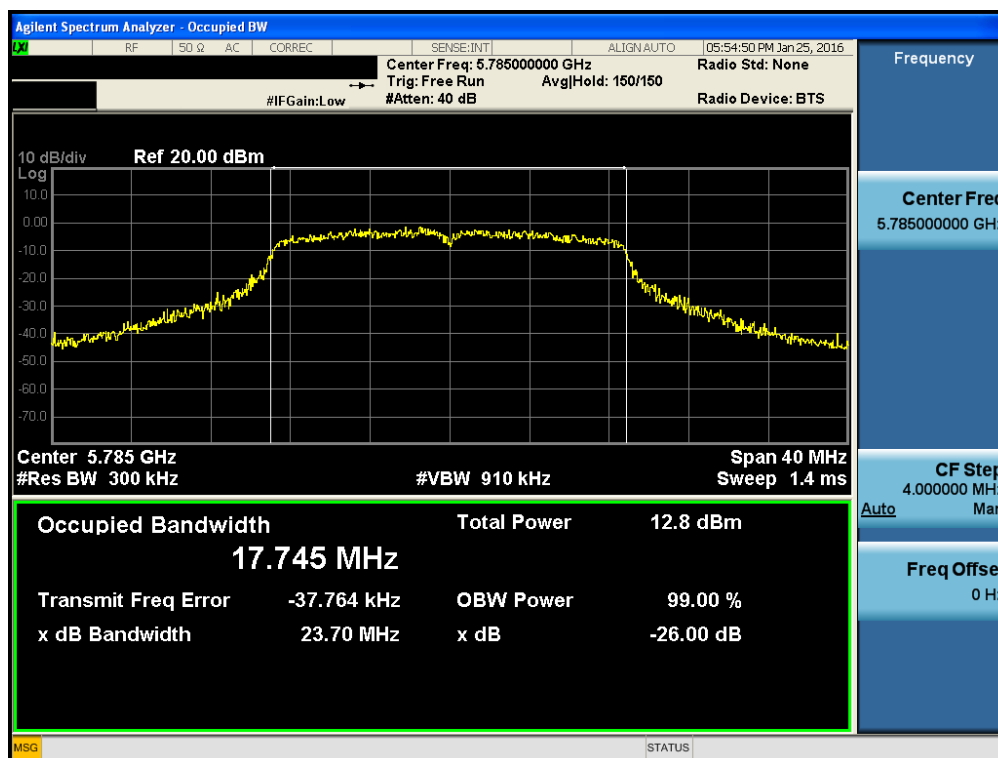
Occupied Bandwidth 99%

Test Mode: 802.11n HT20 & Ch.149



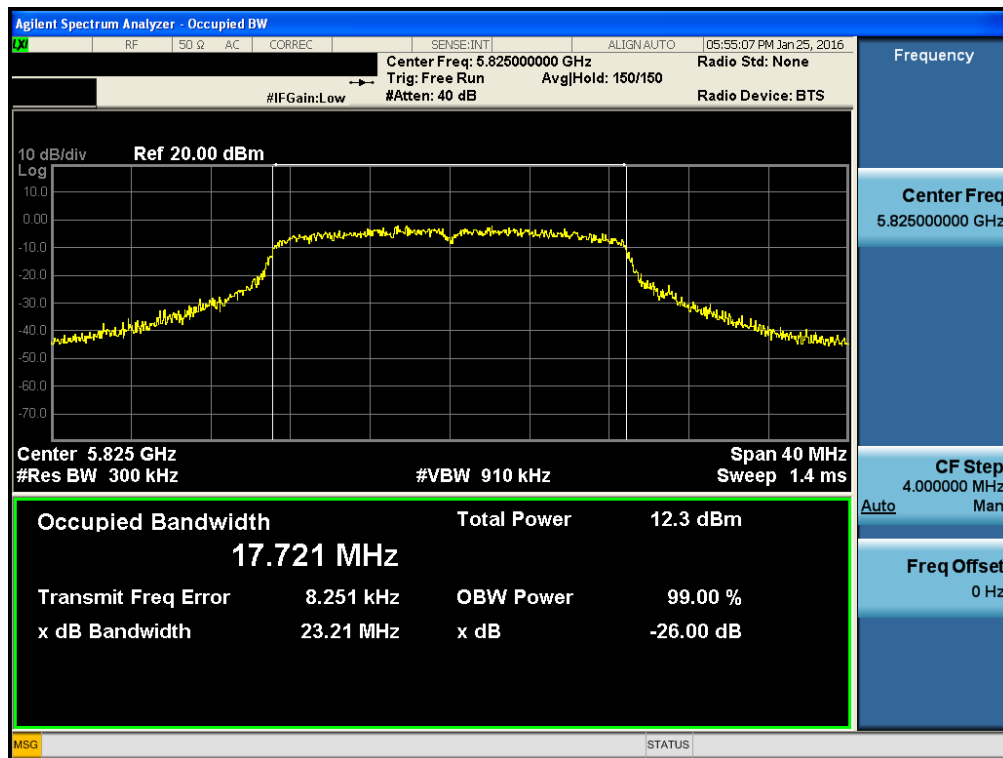
Occupied Bandwidth 99%

Test Mode: 802.11n HT20 & Ch.157



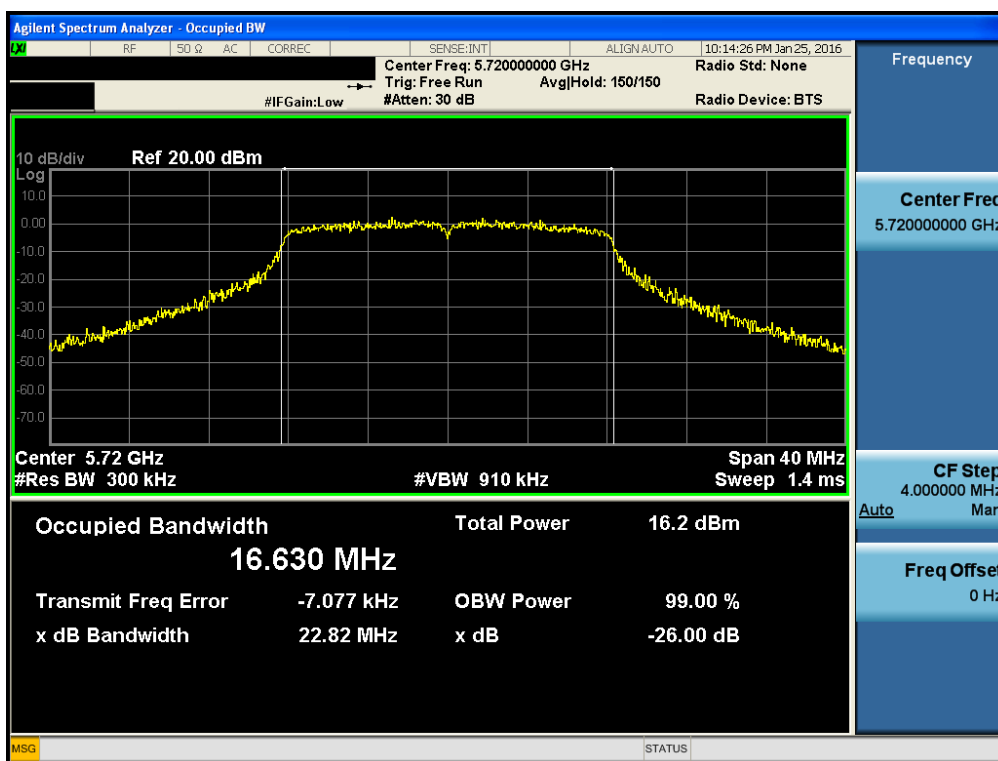
Occupied Bandwidth 99%

Test Mode: 802.11n HT20 & Ch.165



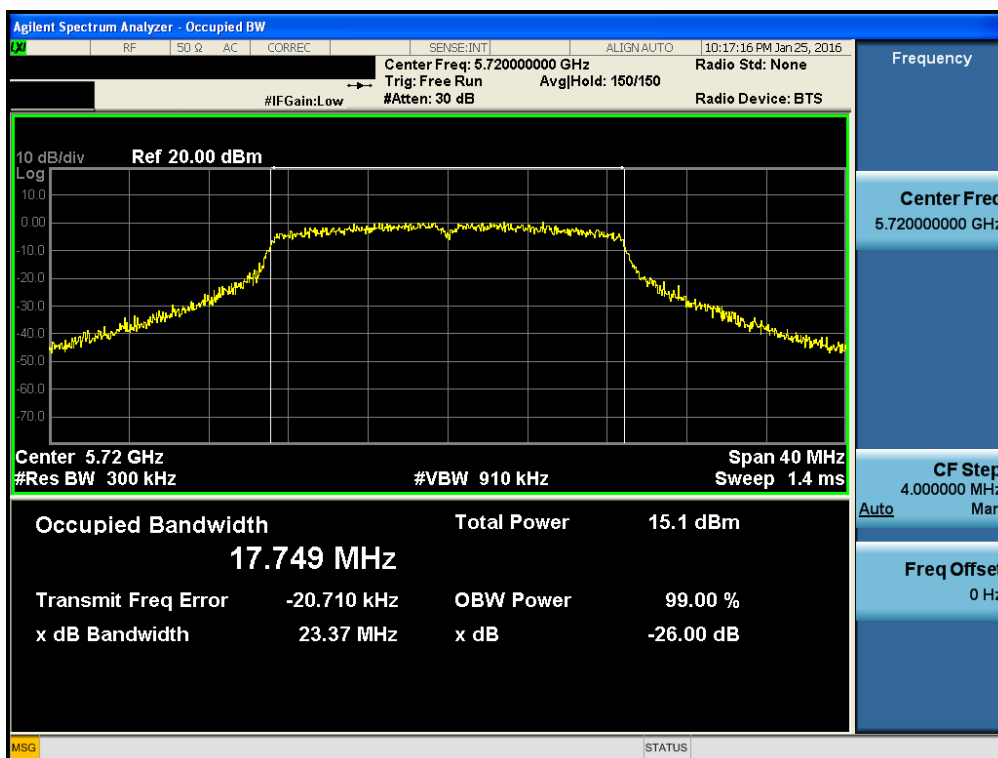
Occupied Bandwidth 99%

Test Mode: 802.11a & Ch.144



Occupied Bandwidth 99%

Test Mode: 802.11n HT20 & Ch.144



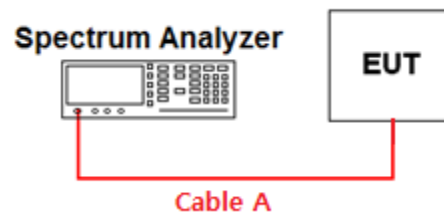
9. List of Test Equipment

Type	Manufacturer	Model	Cal.Date (yy/mm/dd)	Next.Cal.Date (yy/mm/dd)	S/N
MXA Signal Analyzer	Agilent	N9020A	15/02/26	16/02/26	MY50200816
MXA Signal Analyzer	Agilent	N9020A	15/10/19	16/10/19	MY48011075
PXA Signal Analyzer	Agilent Technologies	N9030A	15/10/19	16/10/19	MY53310140
DIGITAL MULTIMETER	Agilent	34401A	16/01/05	17/01/05	US36099541
Dynamic Measurement DC Source	Agilent	66332A	15/09/23	16/09/23	US37473305
Vector Signal Generator	R&S	SMBV100A	16/01/05	17/01/05	255571
Signal Generator	R&S	SMF100A	15/06/29	16/06/29	102341
Thermohygrometer	BODYCOM	BJ5478	15/05/08	16/05/08	120612-2
Temp & Humi Test Chamber	SJ Science	SJ-TH-S50	15/02/26	16/02/26	SJ-TH-S50-140205
Power Meter Power Sensor	Anritsu	ML2496A / MA2411B	15/06/25	16/06/25	1338004 1306053
50W 10dB Attenuator	SMAJK	SMAJK-50-10	15/10/19	16/10/19	2-50-10
LOOP Antenna	Schwarzbeck	FMZB1513	14/04/29	16/04/29	1513-128
TRILOG Broadband Test-Antenna	Schwarzbeck	VULB 9160	14/04/30	16/04/30	3358
Double-Ridged Guide Antenna	ETS	3117	14/05/12	16/05/12	140394
Horn Antenna	A.H.Systems	SAS-574	15/04/30	17/04/30	154
Low Noise Pre Amplifier	tsj	MLA-010K01-B01-27	15/04/09	16/04/09	1844538
Amplifier (30dB)	Agilent	8449B	15/11/06	16/11/06	3008A02108
PreAmplifier	A.H. SYSTEMS	PAM-1840VH	15/12/03	16/12/03	163
High-pass filter	Wainwright Instruments	WHKX12-2580-3000-18000-80SS	15/09/23	16/09/23	3
High-pass filter	Wainwright	WHNX8.5	15/09/23	16/09/23	1
EMI TEST RECEIVER	R&S	ESR7	15/10/19	16/10/19	101109
EMI TEST RECEIVER	R&S	ESCI	15/02/25	16/02/25	100364
SINGLE-PHASE MASTER	NF	4420	15/09/09	16/09/09	3049354420023
ARTIFICIAL MAINS NETWORK	Narda S.T.S. / PMM	PMM L2-16B	15/06/26	16/06/26	000WX20305
PULSE LIMITER	R&S	ESH3-Z2	16/01/05	17/01/05	101334

APPENDIX I

Conducted Test set up Diagram

▪ Conducted Measurement



APPENDIX II

Duty Cycle Information

■ Test Procedure

Duty Cycle [$X = \text{On Time} / (\text{On} + \text{Off time})$] is measured using Measurement Procedure of KDB789033 D02 V01

1. Set the center frequency of the spectrum analyzer to the center frequency of the transmission.
2. Set RBW $\geq$ EBW if possible; otherwise, set RBW to the largest available value.
3. Set VBW $\geq$ RBW. Set detector = peak.
4. Note : The zero-span measurement method shall not be used unless both **RBW and VBW are $> 50 / T$** , where T is defined in section II.B.1.a), and **the number of sweep points across duration T exceeds 100**. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring duty cycle shall not be used if $T \leq 16.7$ microseconds.)

T : The minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

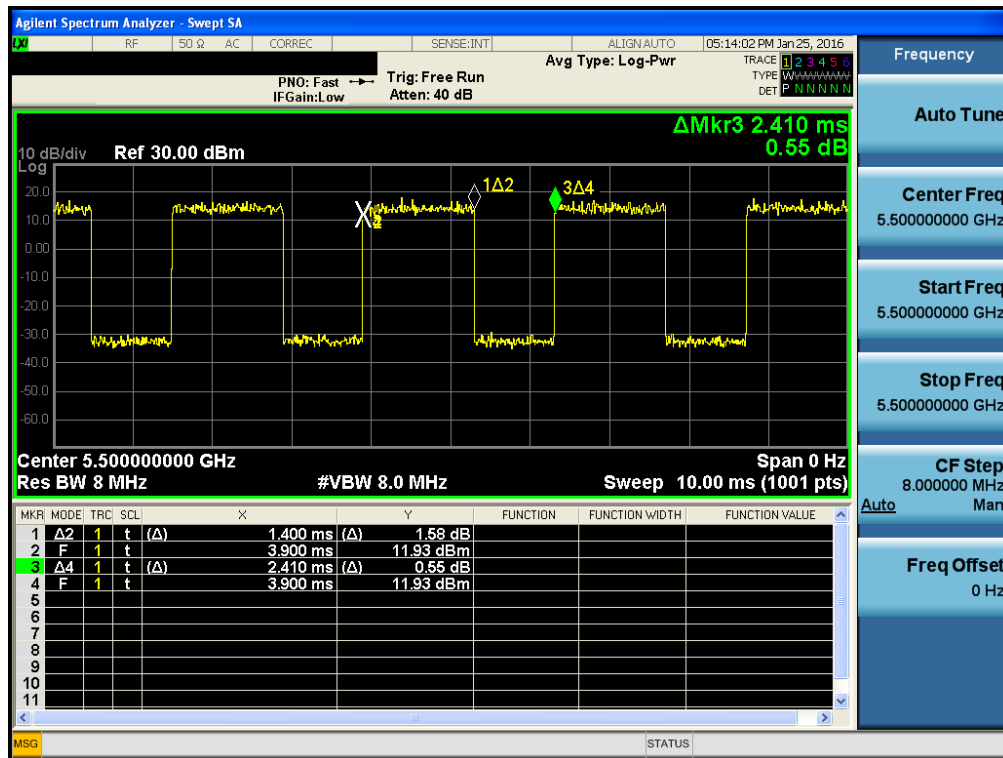
($T = \text{On time}$ of the above table since the EUT operates with above fixed Duty Cycle and it is the minimum On time)

TEST DATA

Mode	Channel	Tested Frequency [MHz]	Maximum Achievable Duty Cycle (x) = On / (On+Off)			Duty Cycle Correction Factor [dB]	50/ T [kHz]
			On Time [ms]	On+OffTime [ms]	x		
802.11a	100	5500	1.400	2.410	0.58	2.37	35.71
802.11n (HT20)	100	5500	1.310	2.320	0.56	2.52	38.17

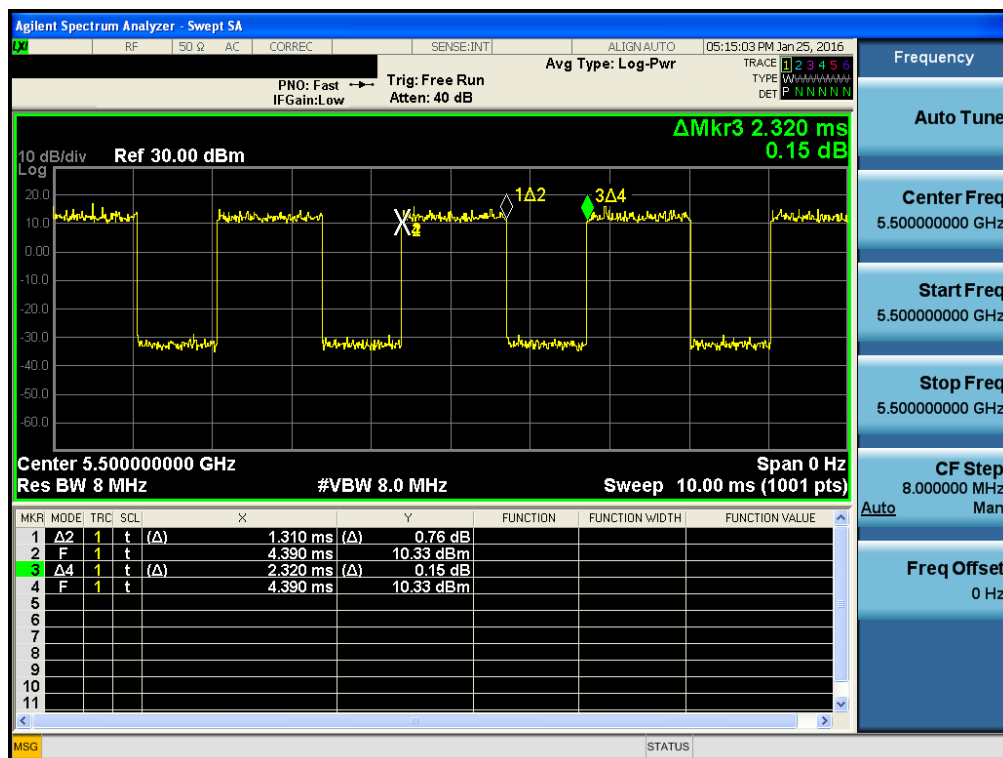
Duty Cycle

Test Mode: 802.11a & Ch.100



Duty Cycle

Test Mode: 802.11n(HT20) & Ch.100



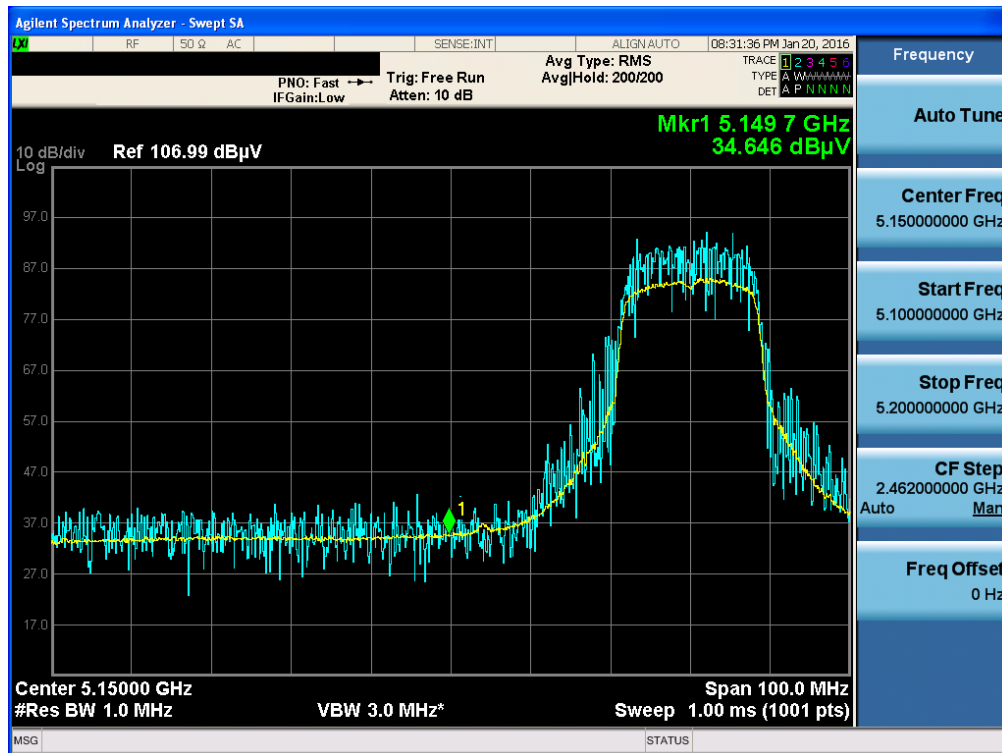
APPENDIX III

Band edge (Radiated) Test Plot

Note: The offset was not included in test plot. (Reading value) The results refer to the table of clause 8.6.

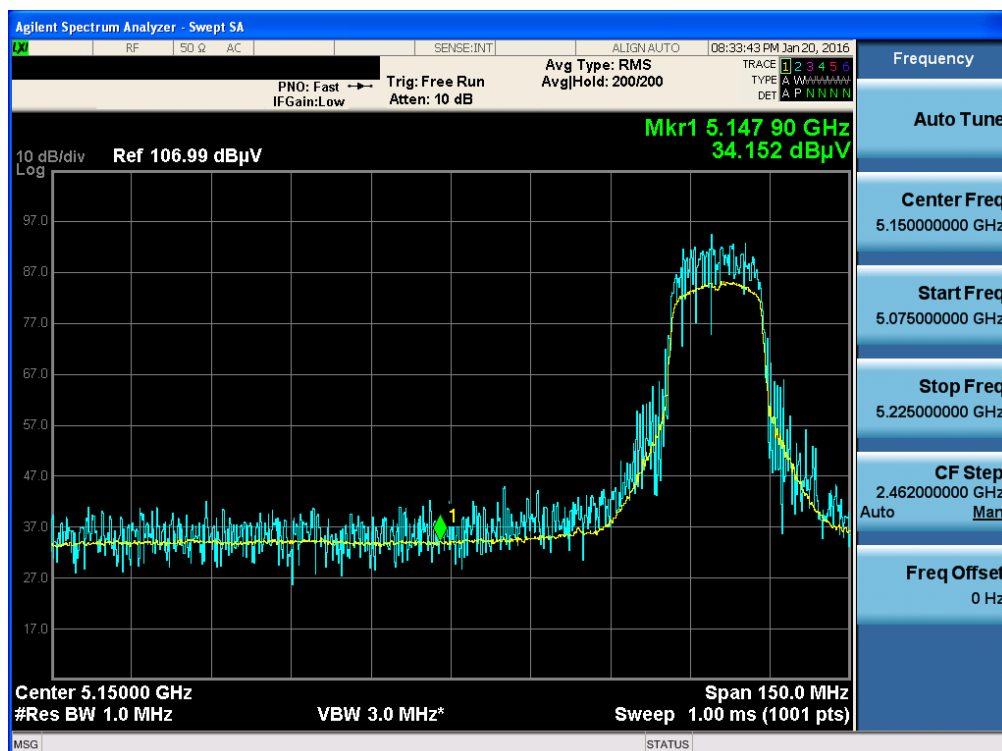
802.11a & U-NII 1 & Ch.36

Detector Mode : AV



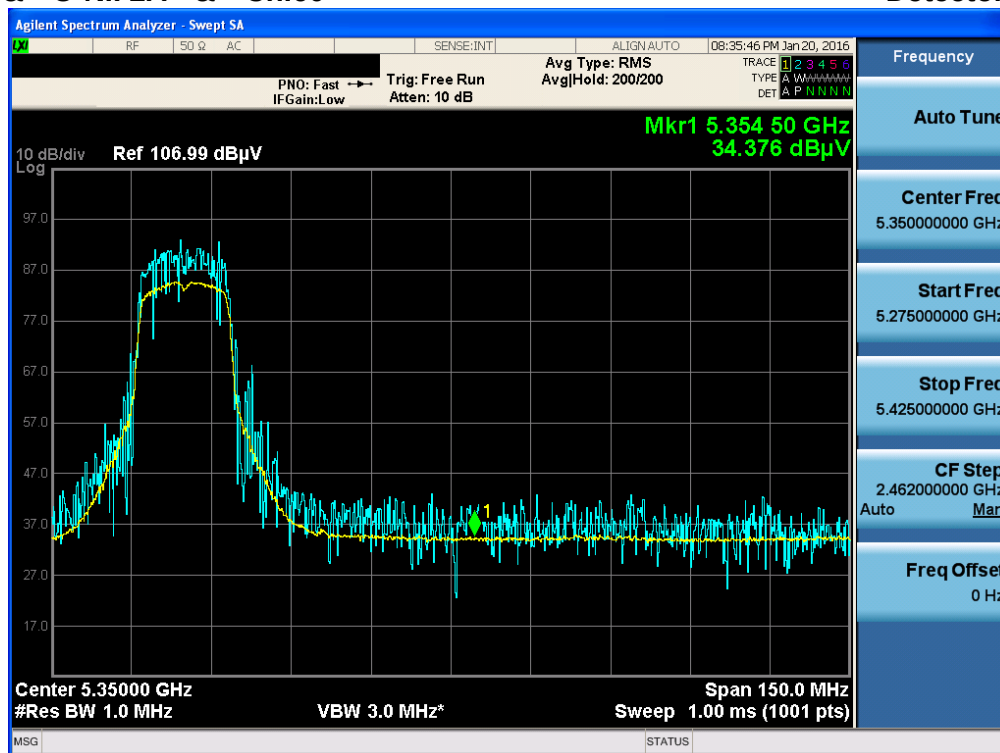
802.11a & U-NII 1 & Ch.40

Detector Mode : AV



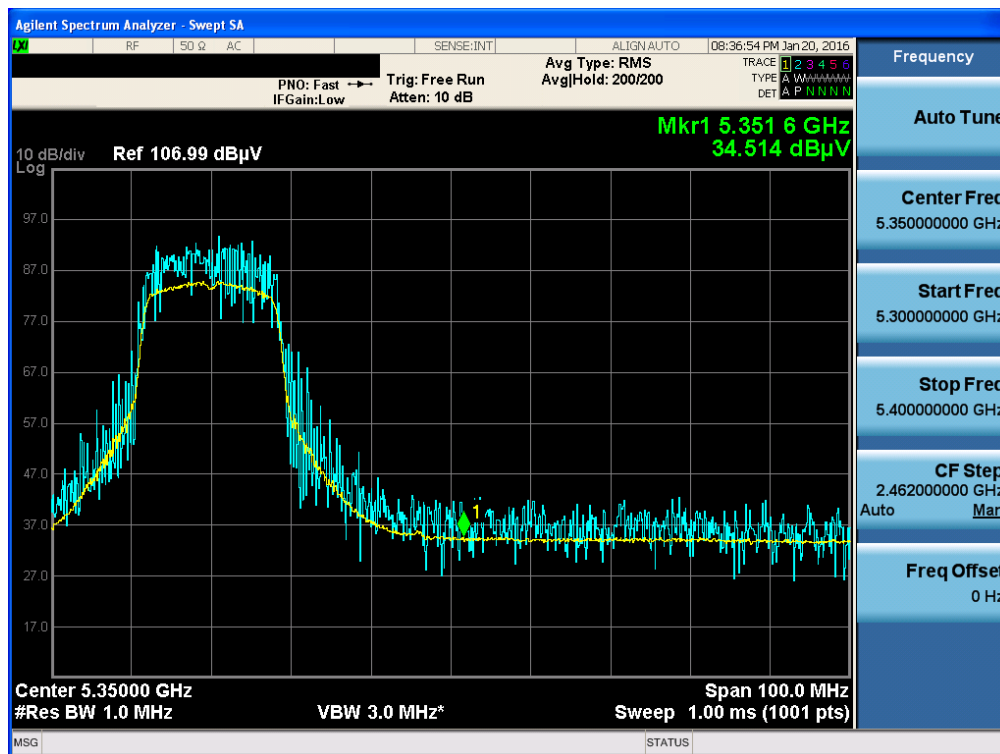
802.11a & U-NII 2A & Ch.60

Detector Mode : AV



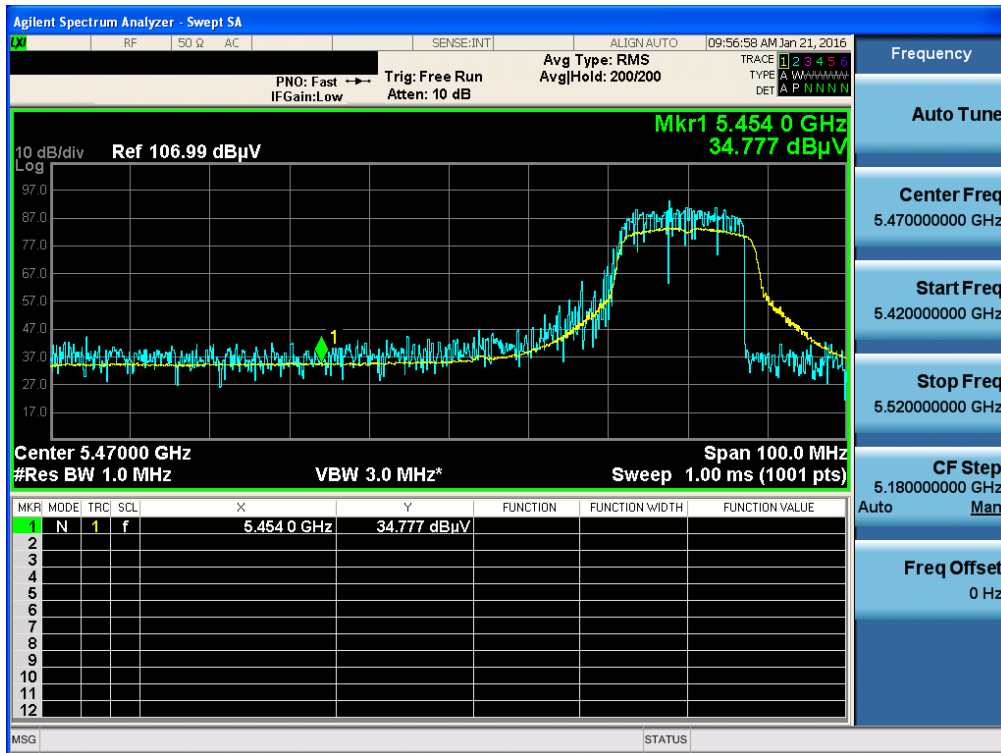
802.11a & U-NII 2A & Ch.64

Detector Mode : AV



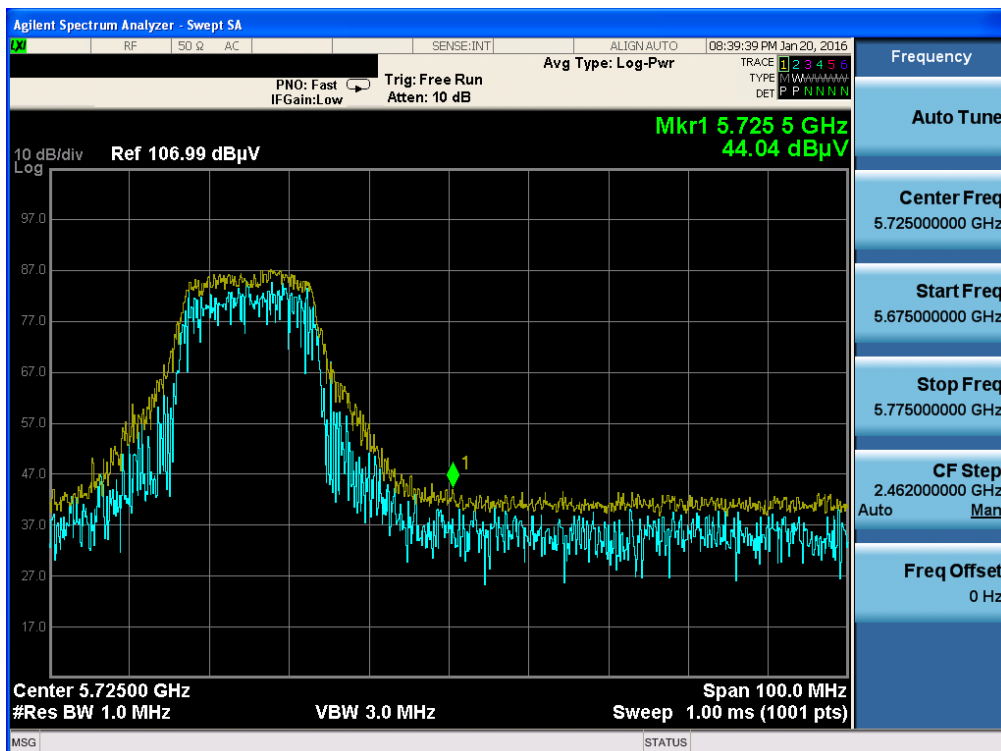
802.11a & U-NII 2C & Ch.100

Detector Mode : AV



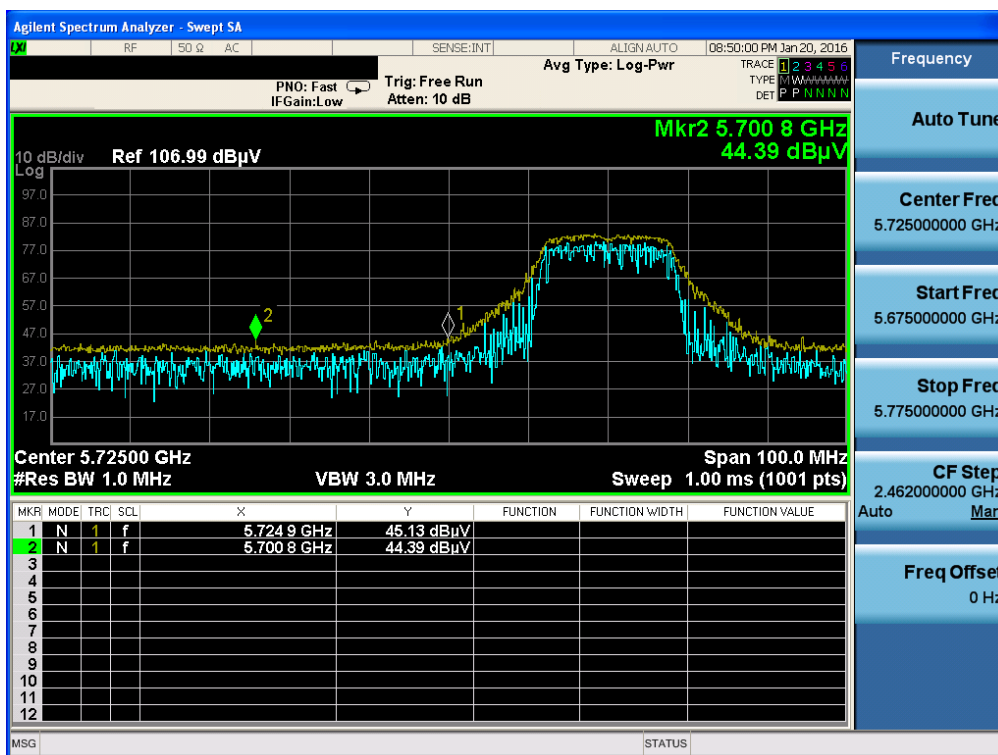
802.11a & U-NII 2C & Ch.140

Detector Mode : PK



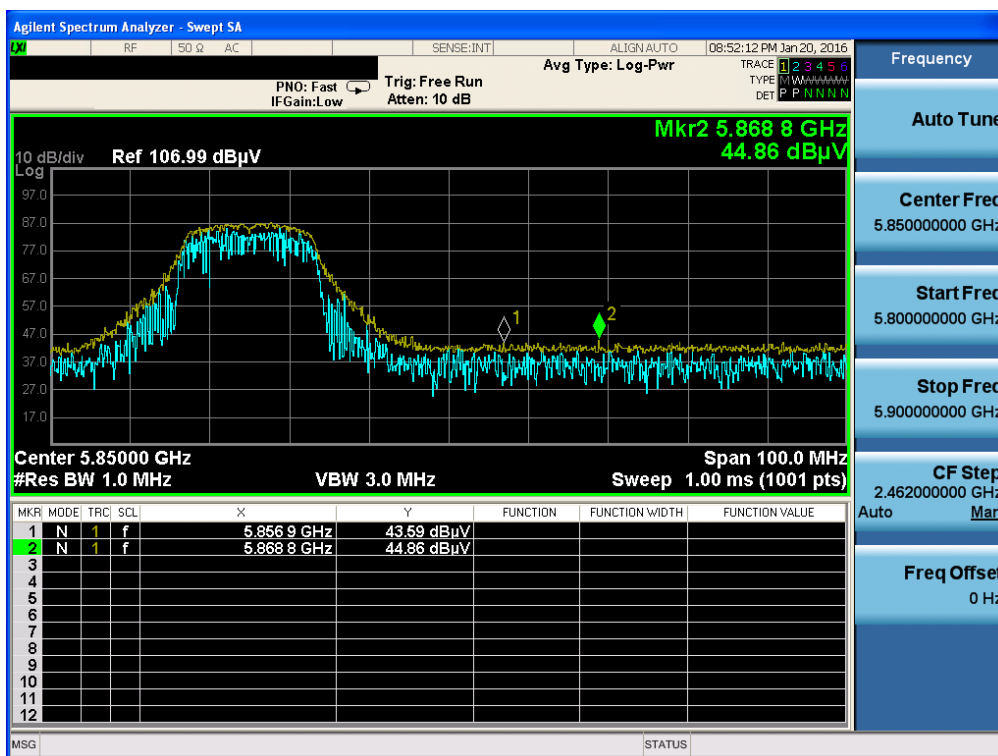
802.11a & U-NII 3 & Ch.149

Detector Mode : PK



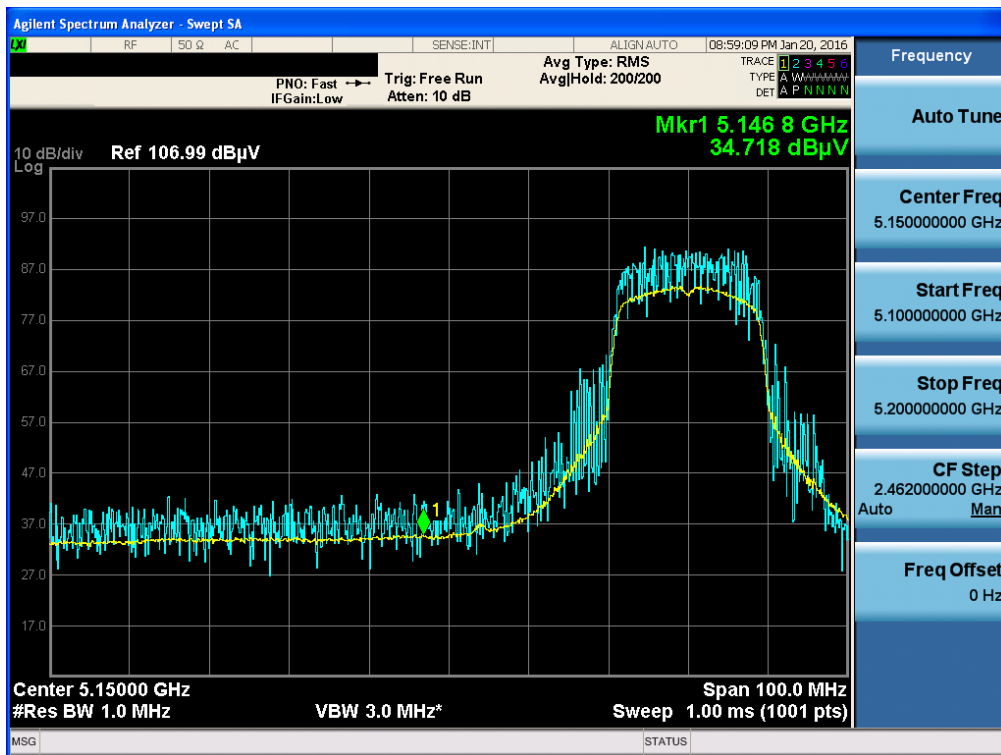
802.11a & U-NII 3 & Ch.165

Detector Mode : PK



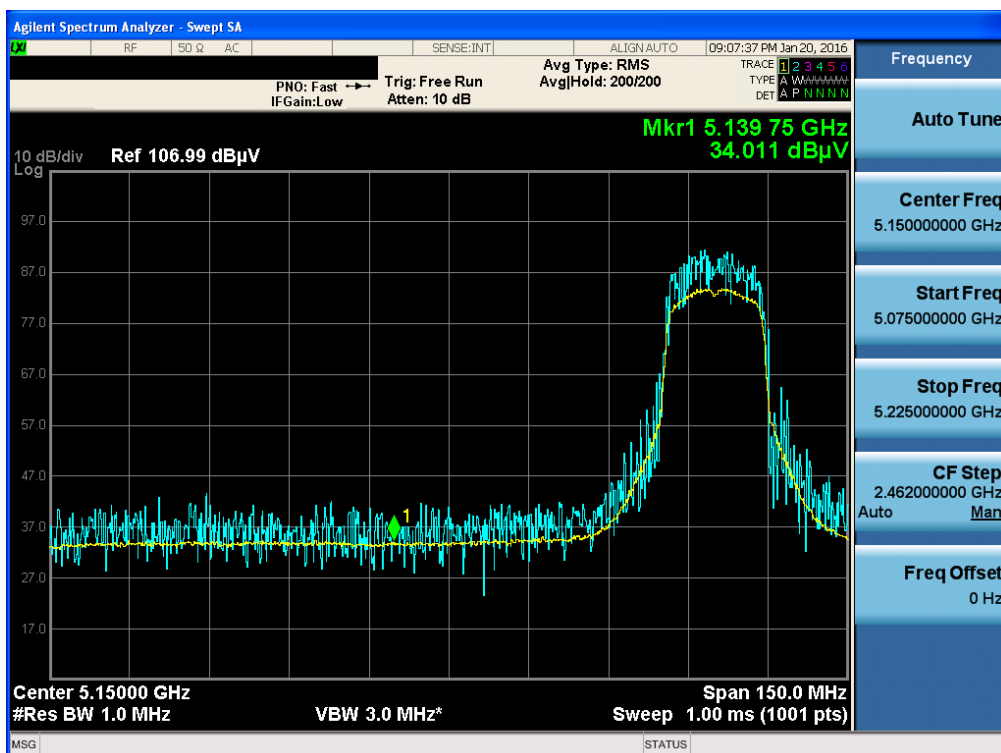
802.11n(HT20) & U-NII 1 & Ch.36

Detector Mode : AV



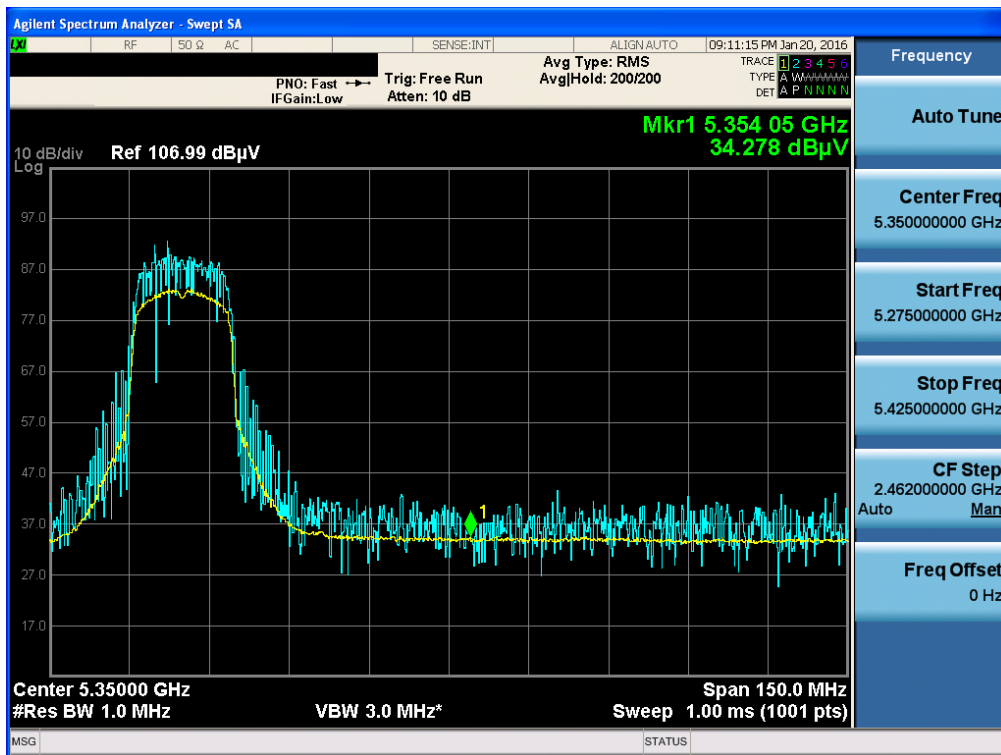
802.11n(HT20) & U-NII 1 & Ch.40

Detector Mode : AV



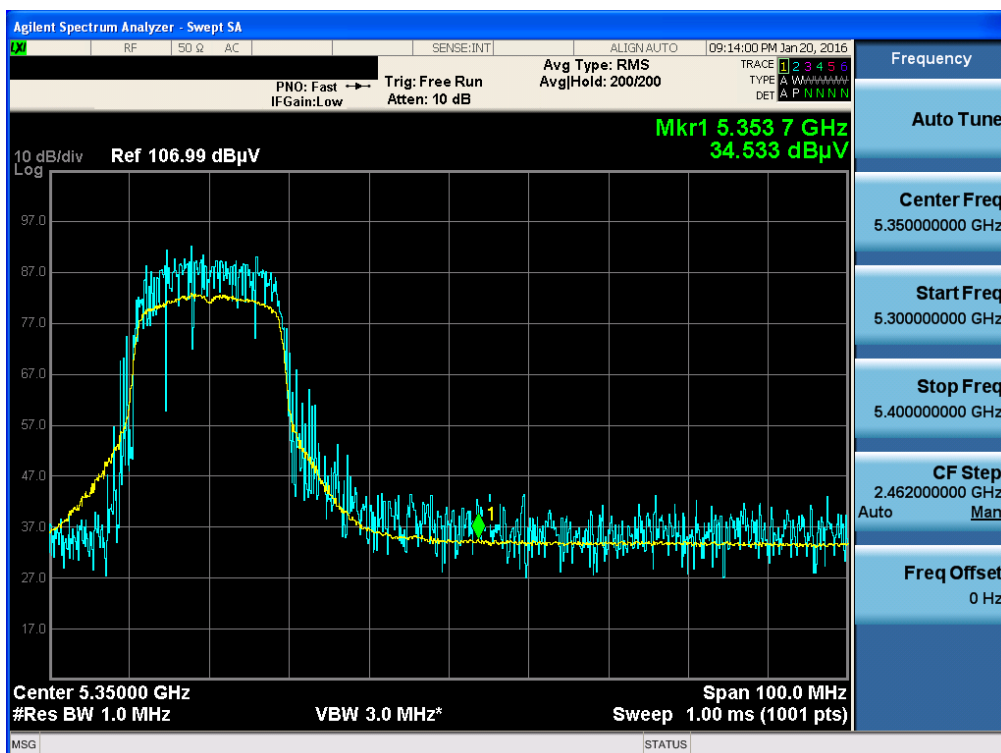
802.11n(HT20) & U-NII 2A & Ch.60

Detector Mode : AV



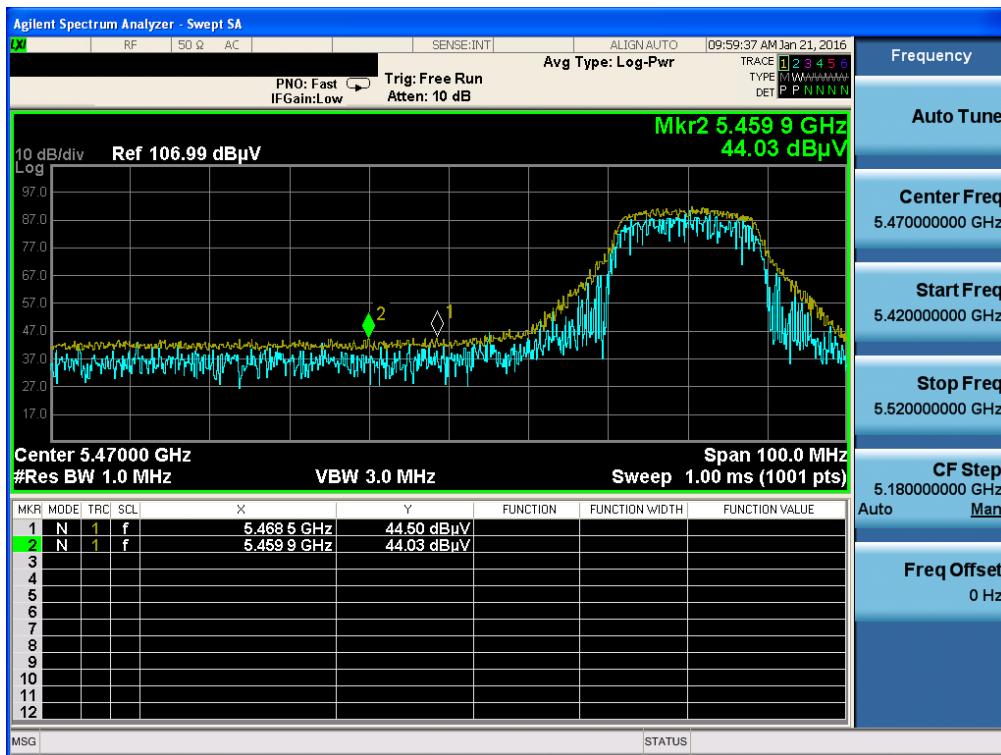
802.11n(HT20) & U-NII 2A & Ch.64

Detector Mode : AV



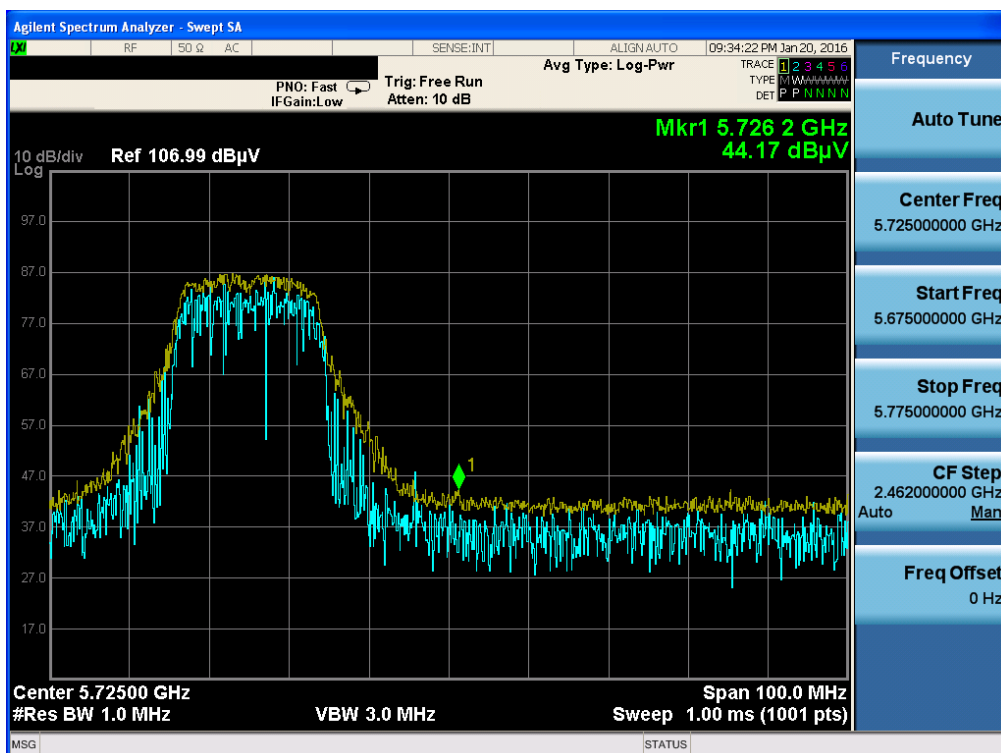
802.11n(HT20) & U-NII 2C & Ch.100

Detector Mode : PK



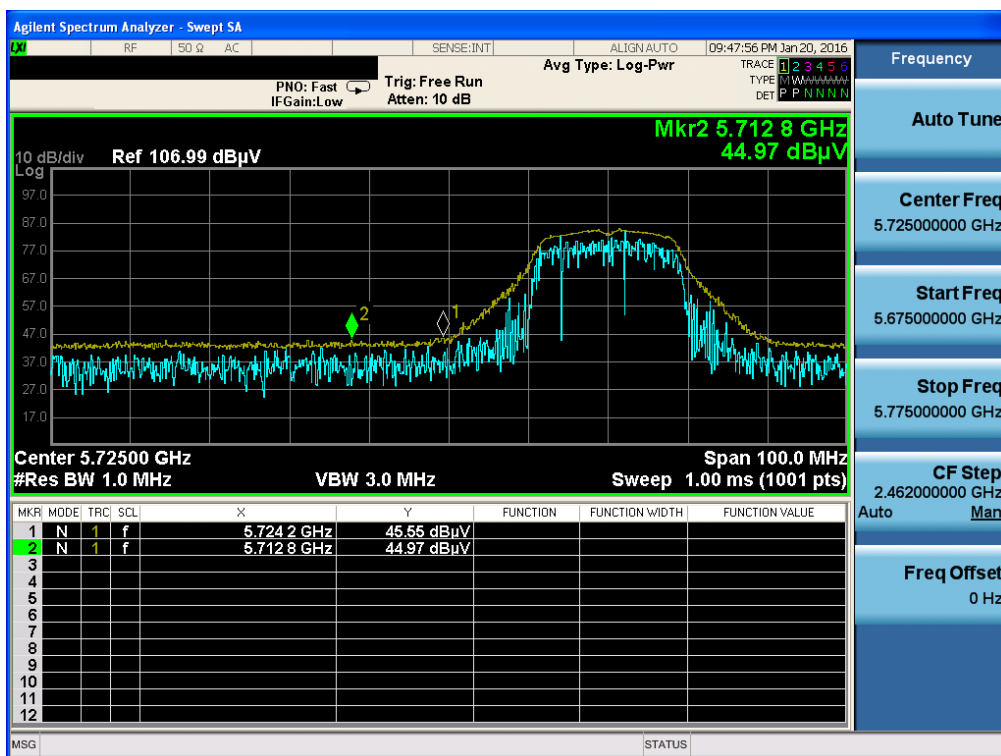
802.11n(HT20) & U-NII 2C & Ch.140

Detector Mode : PK



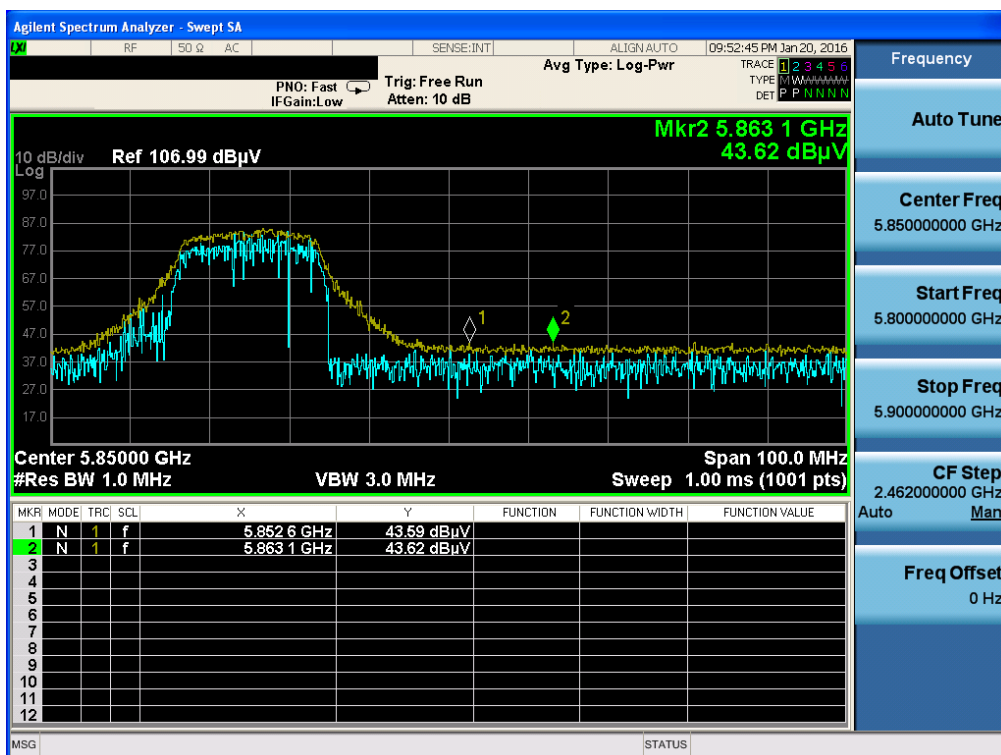
802.11n(HT20) & U-NII 2C & Ch.149

Detector Mode : PK



802.11n(HT20) & U-NII 3 & Ch.165

Detector Mode : PK

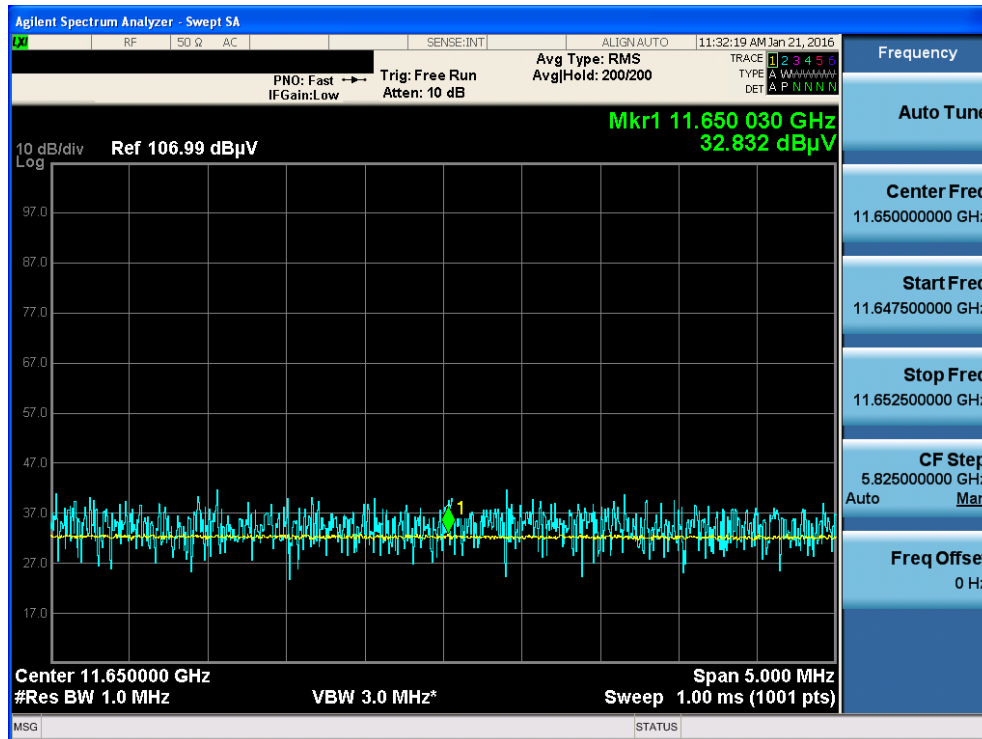


Spurious emission. (Radiated) Test Plot

Note: The offset was not included in test plot.(Reading value) The results refer to the table of clause 8.6.

802.11a & U-NII 3 & Ch.165

Detector Mode : AV



802.11n(HT20) & U-NII 3 & Ch.165

Detector Mode : AV

