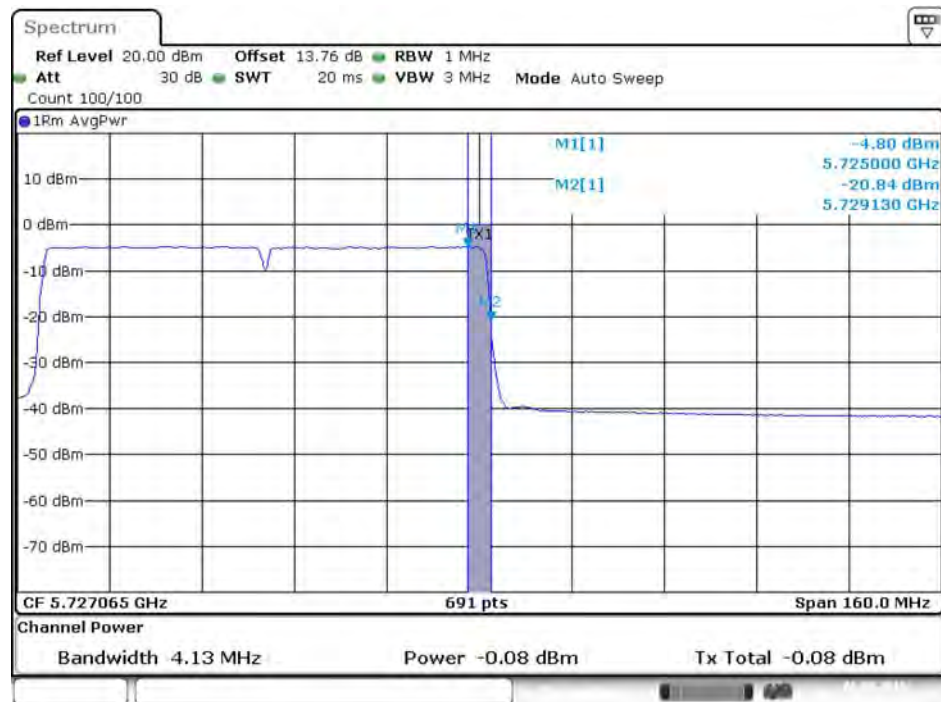


### Conducted Output Power Plot on Chain 3 / 5690 MHz (UNII 2C)

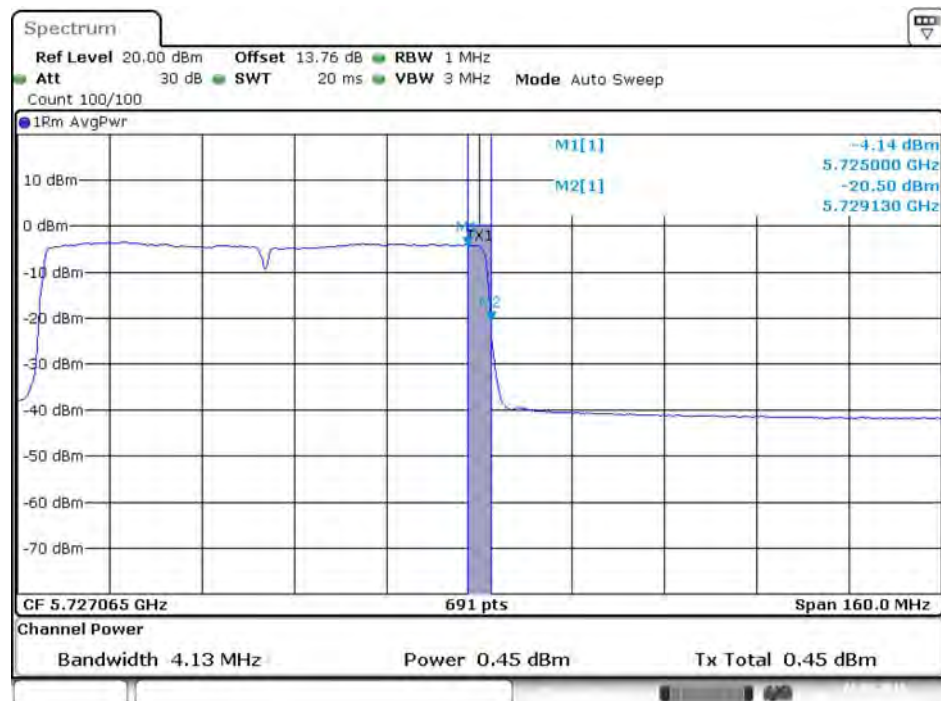
### Conducted Output Power Plot on Chain 4 / 5690 MHz (UNII 2C)

### Conducted Output Power Plot on Chain 3 / 5690 MHz (UNII 3)



Date: 6.AUG.2016 11:26:28

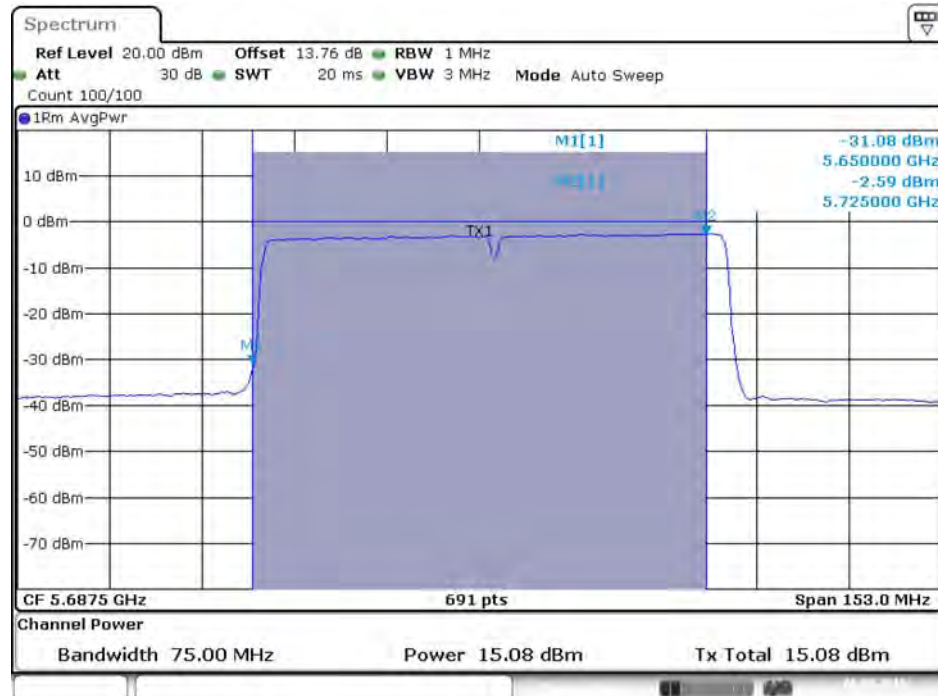
### Conducted Output Power Plot on Chain 4 / 5690 MHz (UNII 3)



Date: 6.AUG.2016 11:26:35

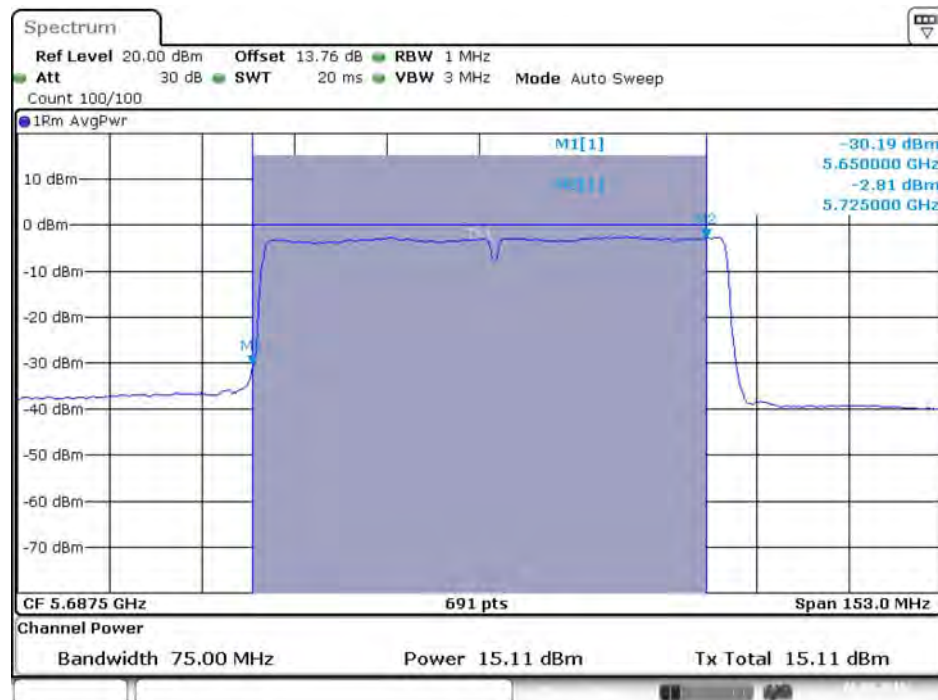
## Type 12

### Conducted Output Power Plot on Chain 1 / 5690 MHz (UNII 2C)



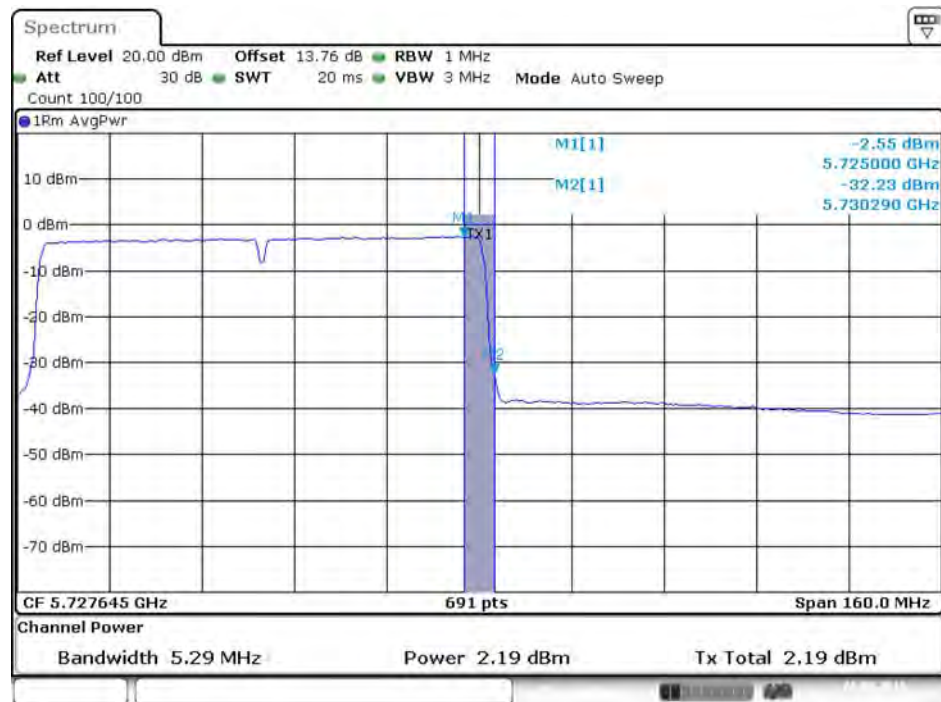
Date: 6.AUG.2016 11:44:52

### Conducted Output Power Plot on Chain 2 / 5690 MHz (UNII 2C)



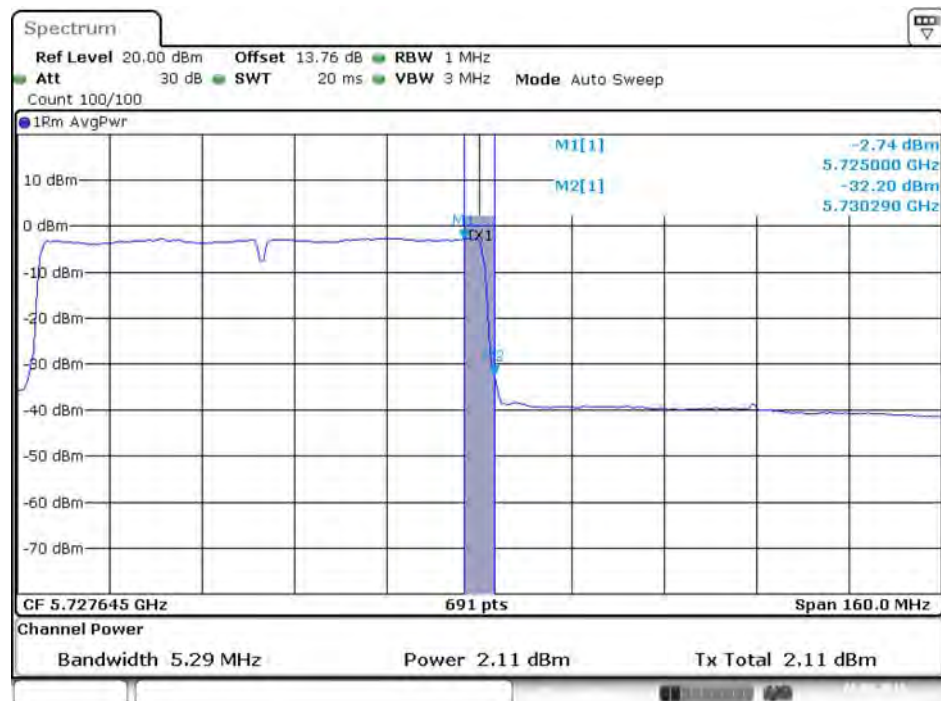
Date: 6.AUG.2016 11:44:59

### Conducted Output Power Plot on Chain 1 / 5690 MHz (UNII 3)



Date: 6.AUG.2016 11:44:55

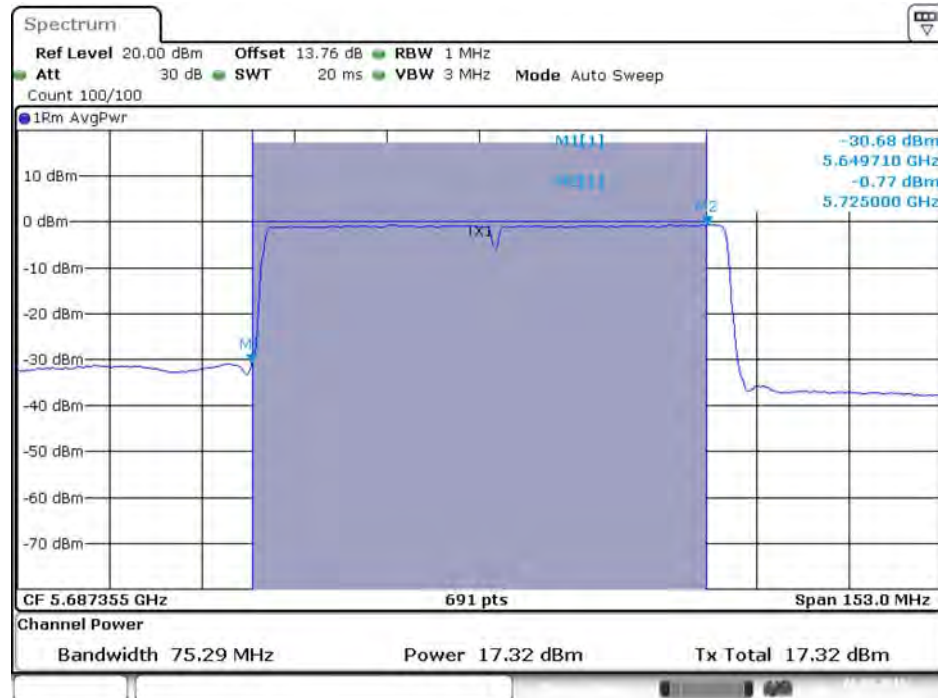
### Conducted Output Power Plot on Chain 2 / 5690 MHz (UNII 3)



Date: 6.AUG.2016 11:45:02

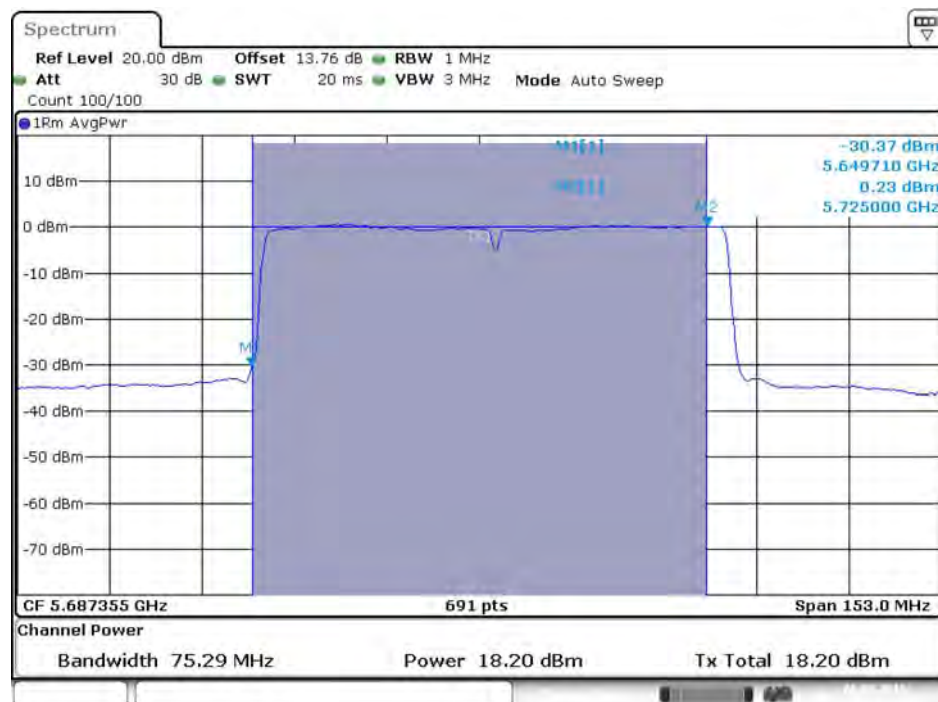
### Type 15

#### Conducted Output Power Plot on Chain 3 / 5690 MHz (UNII 2C)



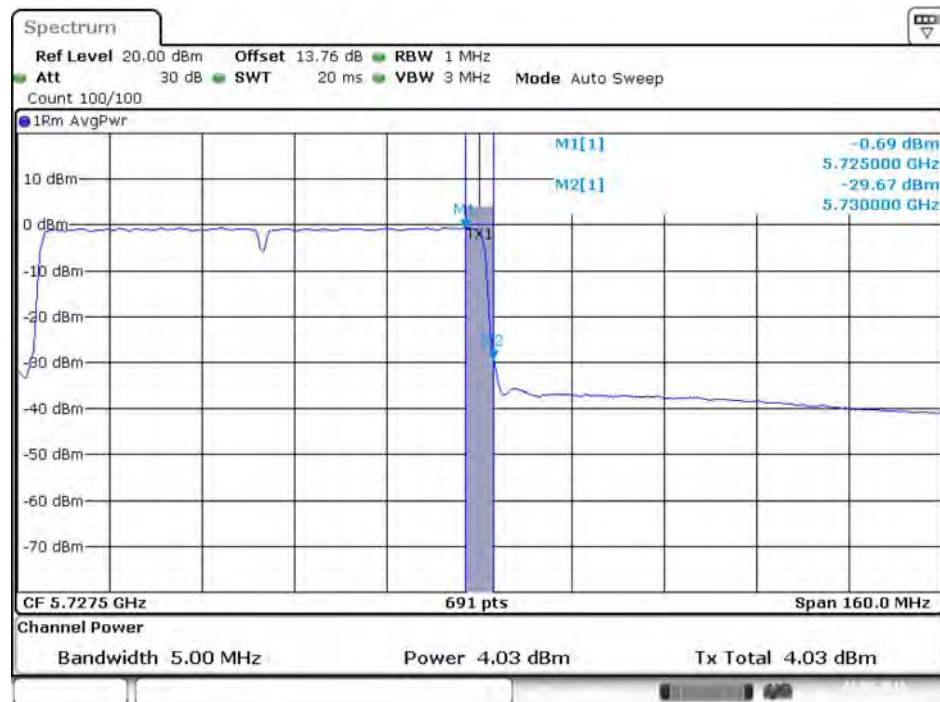
Date: 6.AUG.2016 11:53:17

#### Conducted Output Power Plot on Chain 4 / 5690 MHz (UNII 2C)



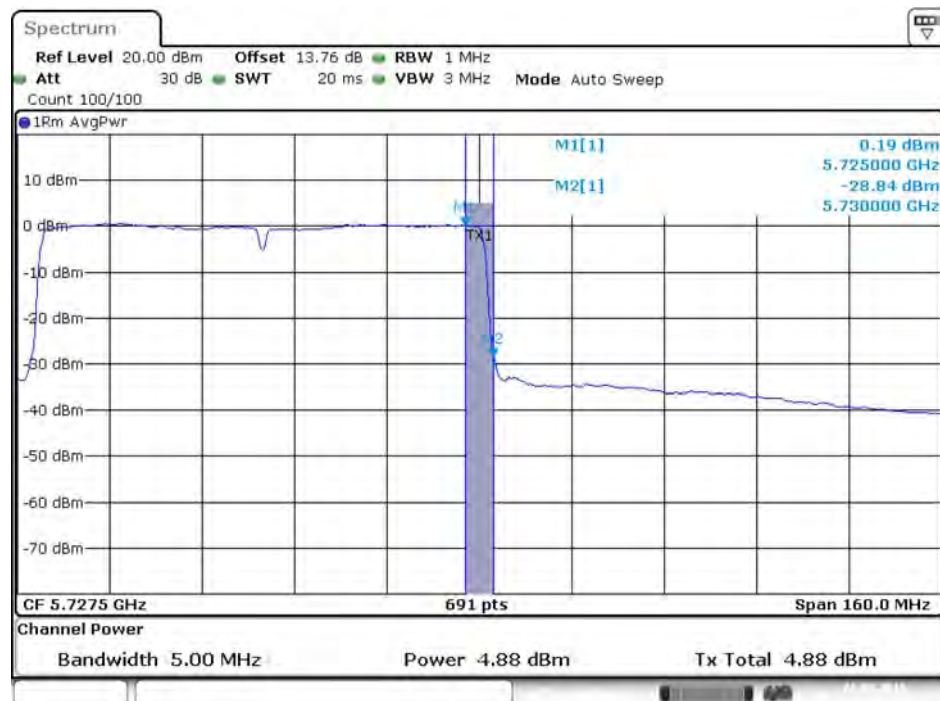
Date: 6.AUG.2016 11:53:24

### Conducted Output Power Plot on Chain 3 / 5690 MHz (UNII 3)



Date: 6.AUG.2016 11:53:20

### Conducted Output Power Plot on Chain 4 / 5690 MHz (UNII 3)



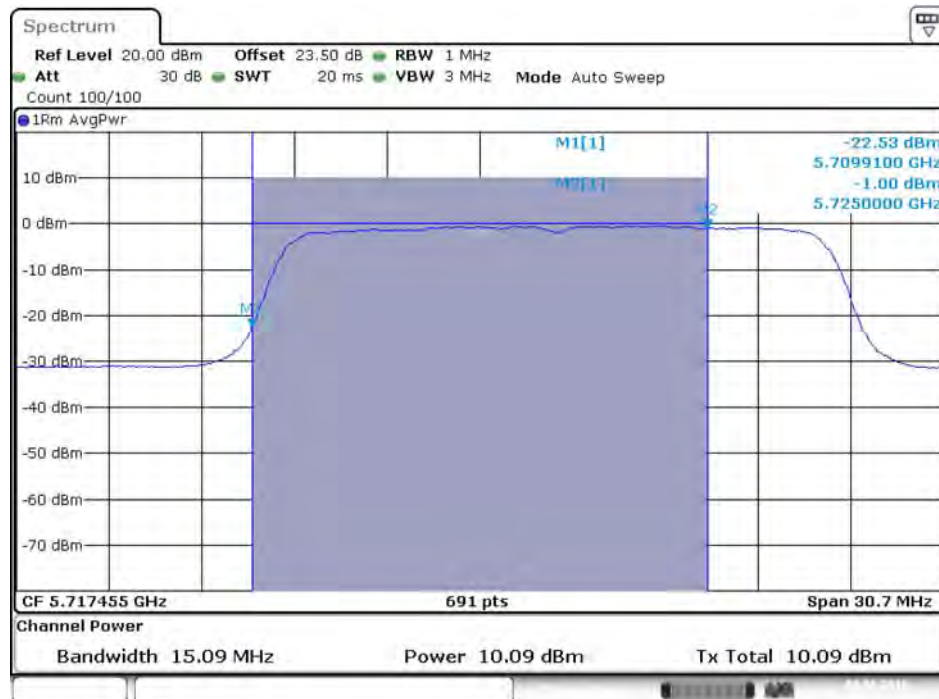
Date: 6.AUG.2016 11:53:27

For beamforming mode

For indoor, outdoor use master and slave without radar detection

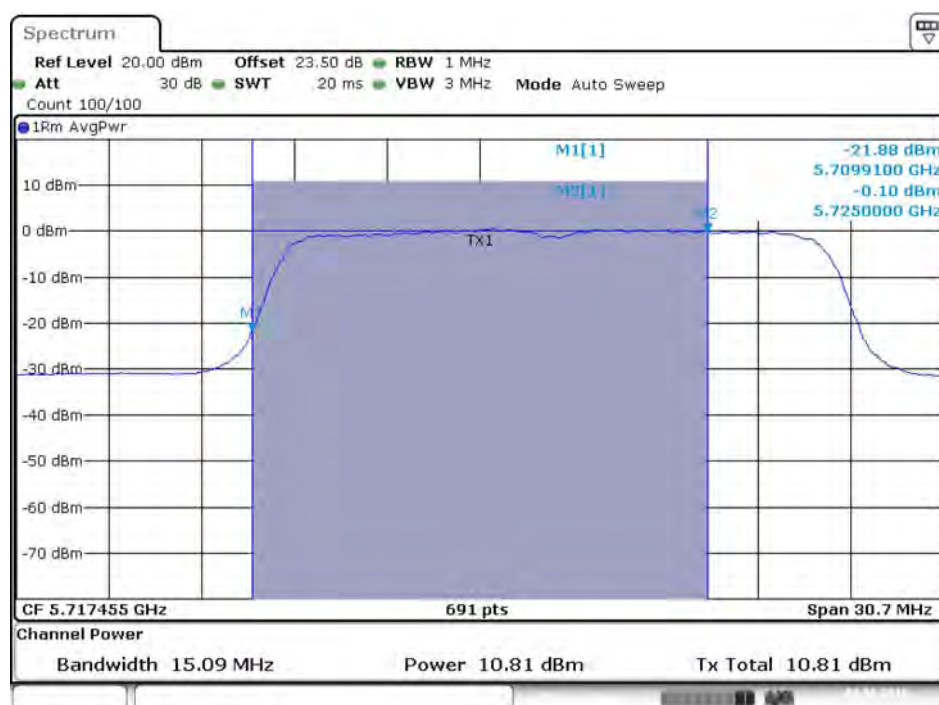
Straddle Channel

Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz  
(UNII 2C)



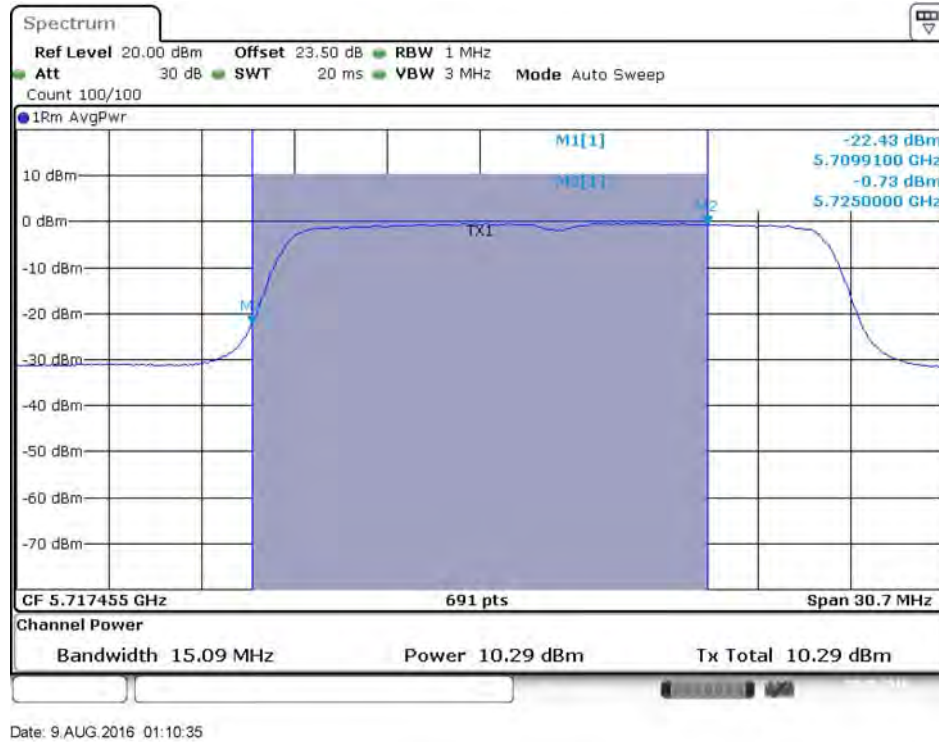
Date: 9 AUG. 2016 01:18:35

Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5720 MHz  
(UNII 2C)

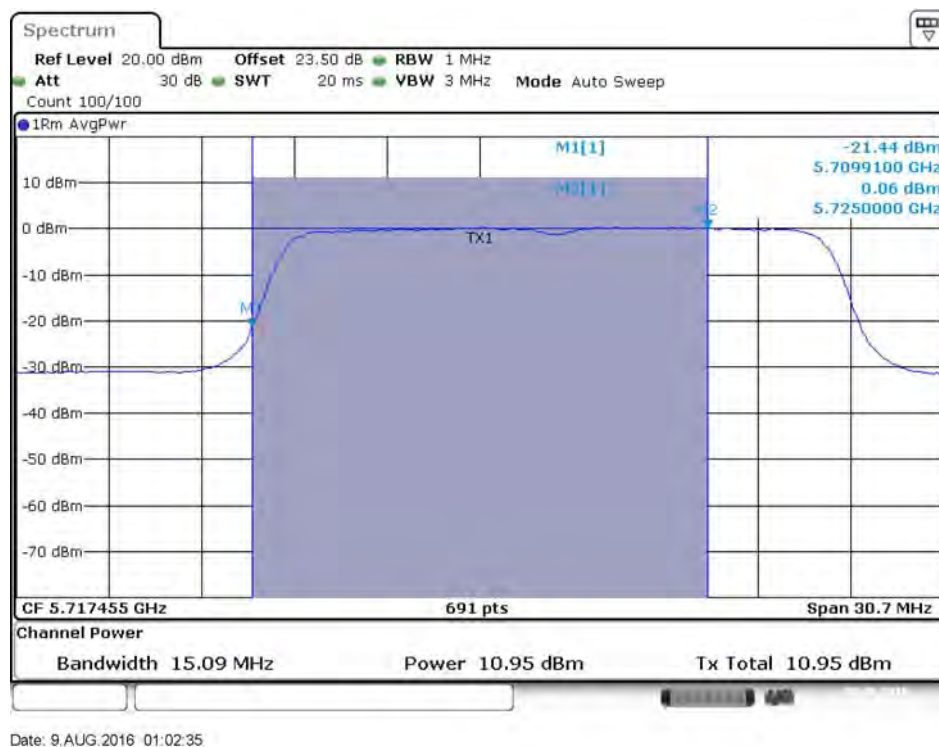


Date: 9 AUG. 2016 01:14:50

### Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 3 / 5720 MHz (UNII 2C)



### Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 / 5720 MHz (UNII 2C)

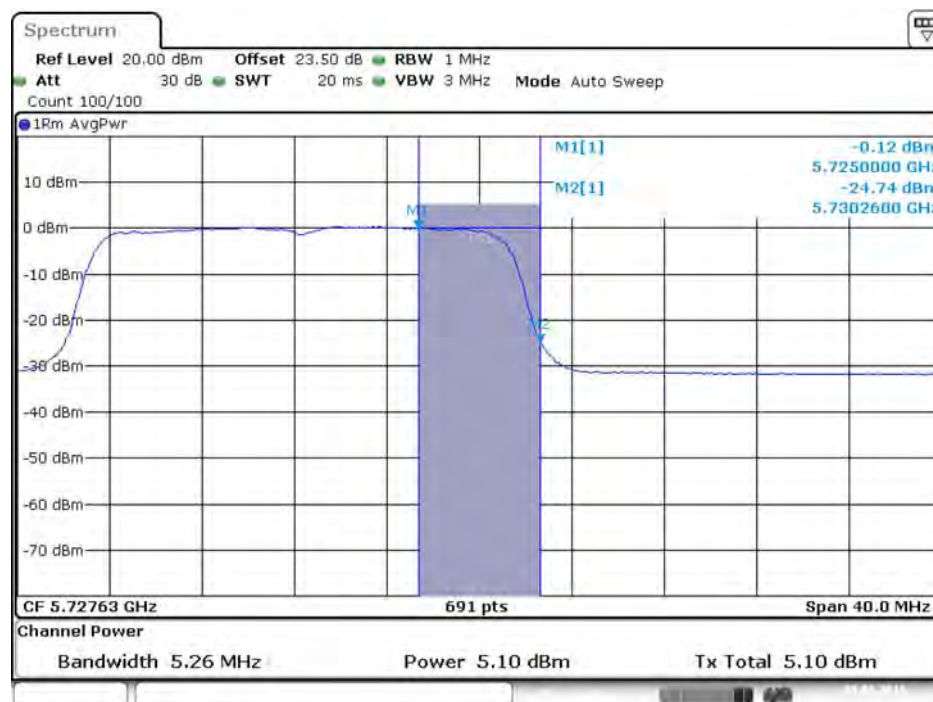


### Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz (UNII 3)



Date: 9.AUG.2016 01:18:39

### Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5720 MHz (UNII 3)



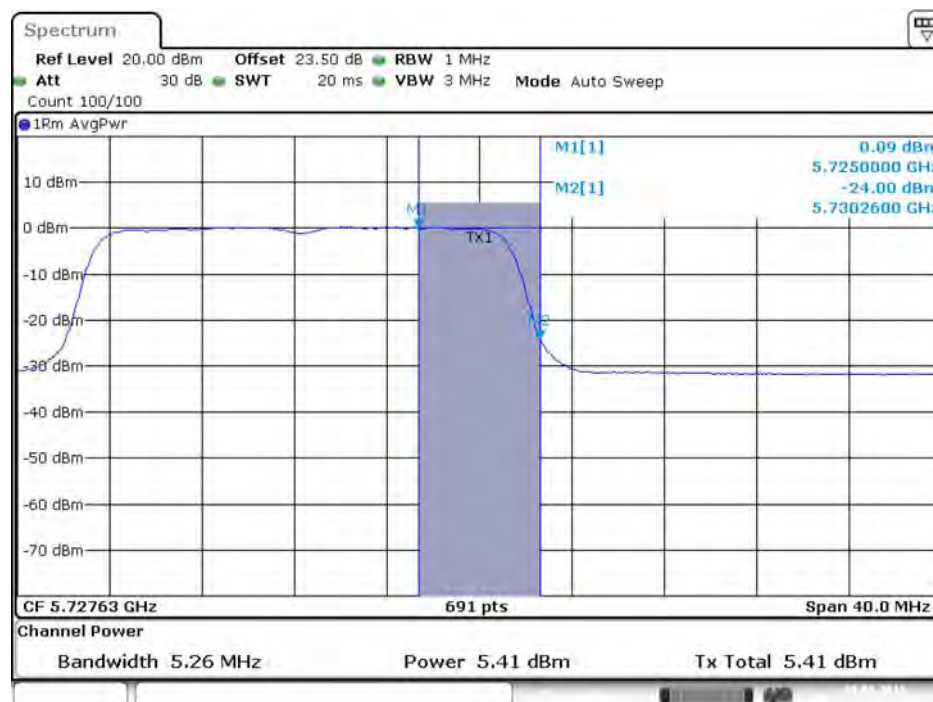
Date: 9.AUG.2016 01:14:53

### Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 3 / 5720 MHz (UNII 3)



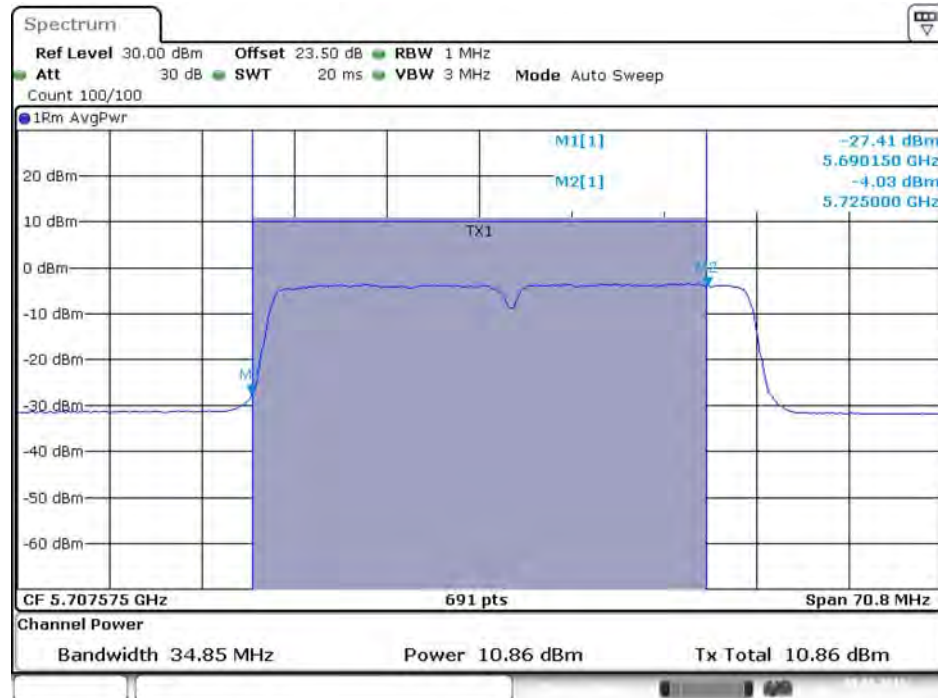
Date: 9.AUG.2016 01:10:39

### Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 / 5720 MHz (UNII 3)



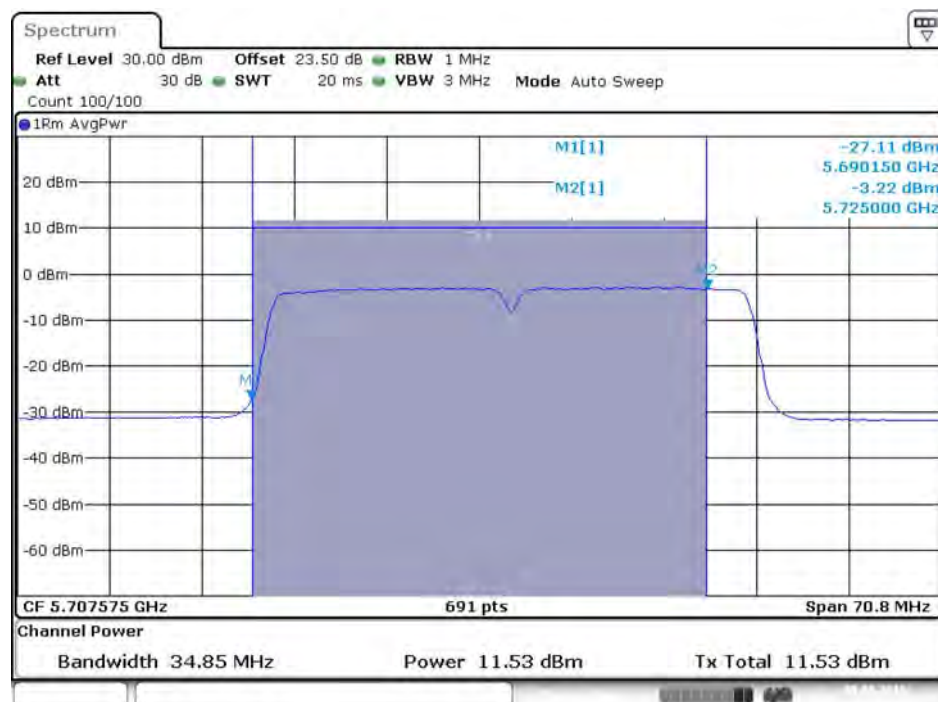
Date: 9.AUG.2016 01:02:39

## Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5710 MHz (UNII 2C)



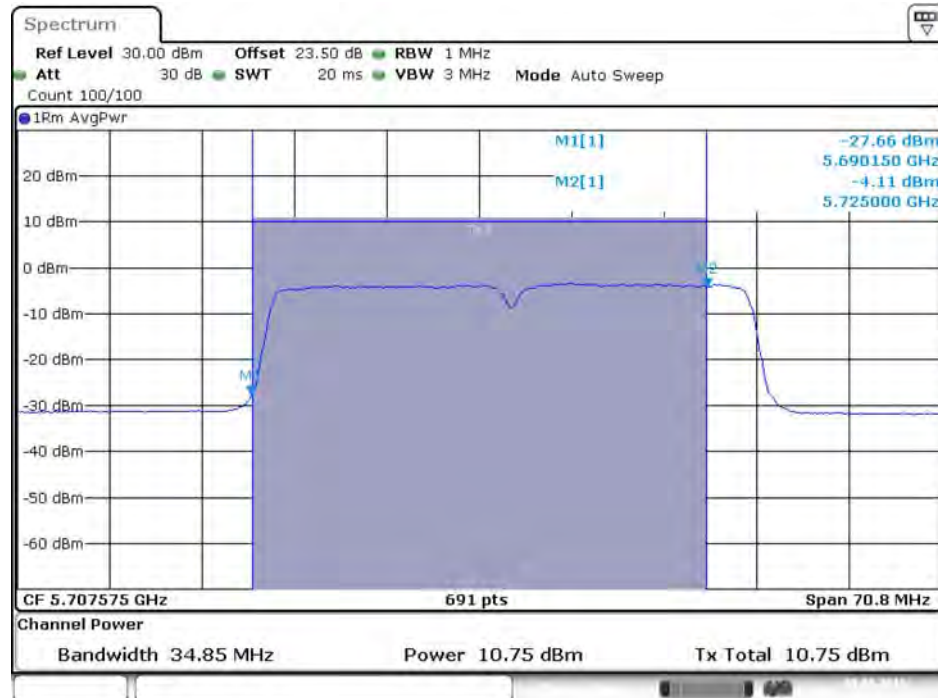
Date: 9.AUG.2016 03:10:42

## Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5710 MHz (UNII 2C)



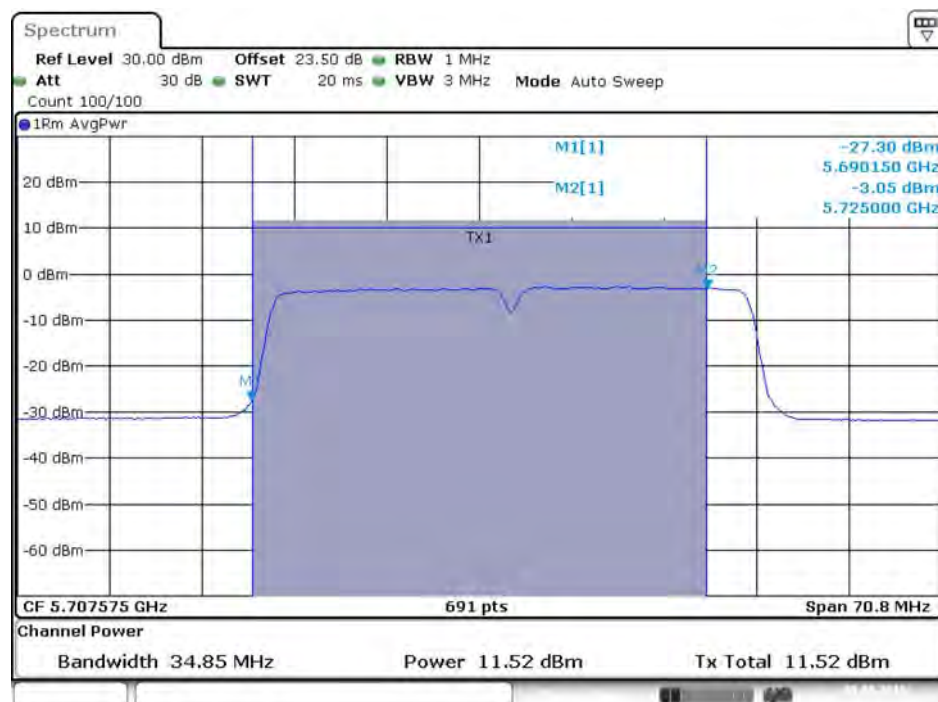
Date: 9.AUG.2016 03:08:17

### Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 3 / 5710 MHz (UNII 2C)



Date: 9.AUG.2016 03:05:47

### Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 / 5710 MHz (UNII 2C)



Date: 9.AUG.2016 02:59:54

### Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5710 MHz (UNII 3)



Date: 9.AUG.2016 03:10:46

### Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5710 MHz (UNII 3)



Date: 9.AUG.2016 03:08:20

### Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 3 / 5710 MHz (UNII 3)



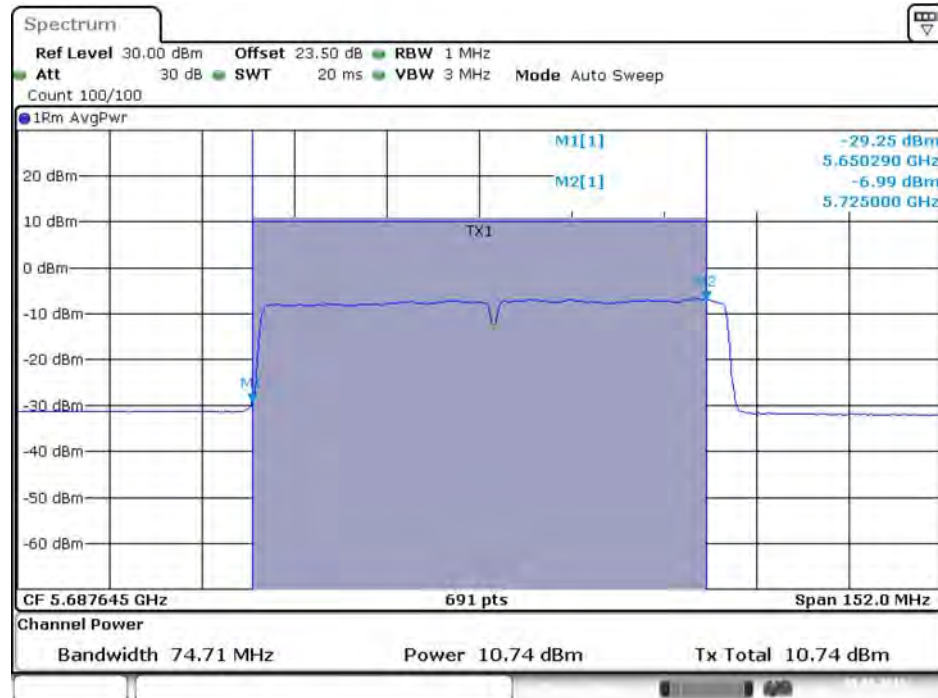
Date: 9.AUG.2016 03:05:51

### Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 / 5710 MHz (UNII 3)



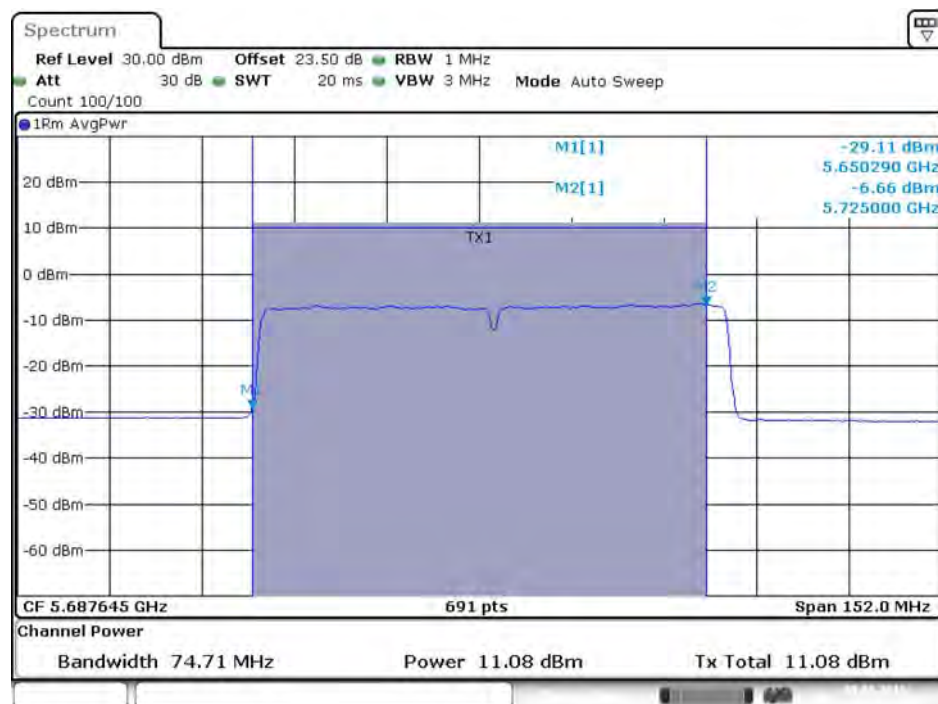
Date: 9.AUG.2016 02:59:58

### Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5690 MHz (UNII 2C)



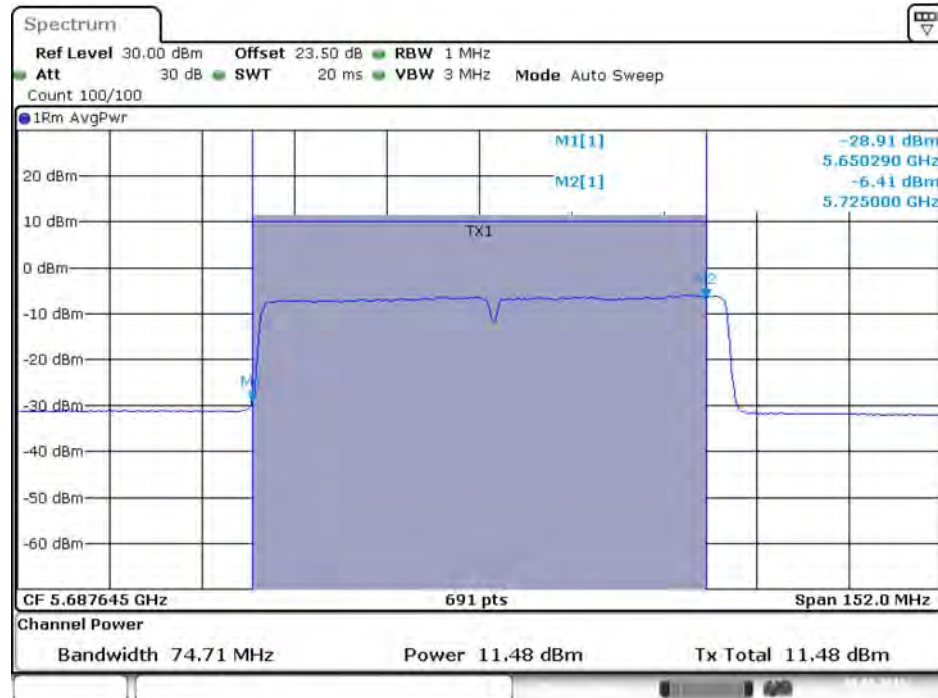
Date: 9.AUG.2016 02:36:05

### Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2 / 5690 MHz (UNII 2C)



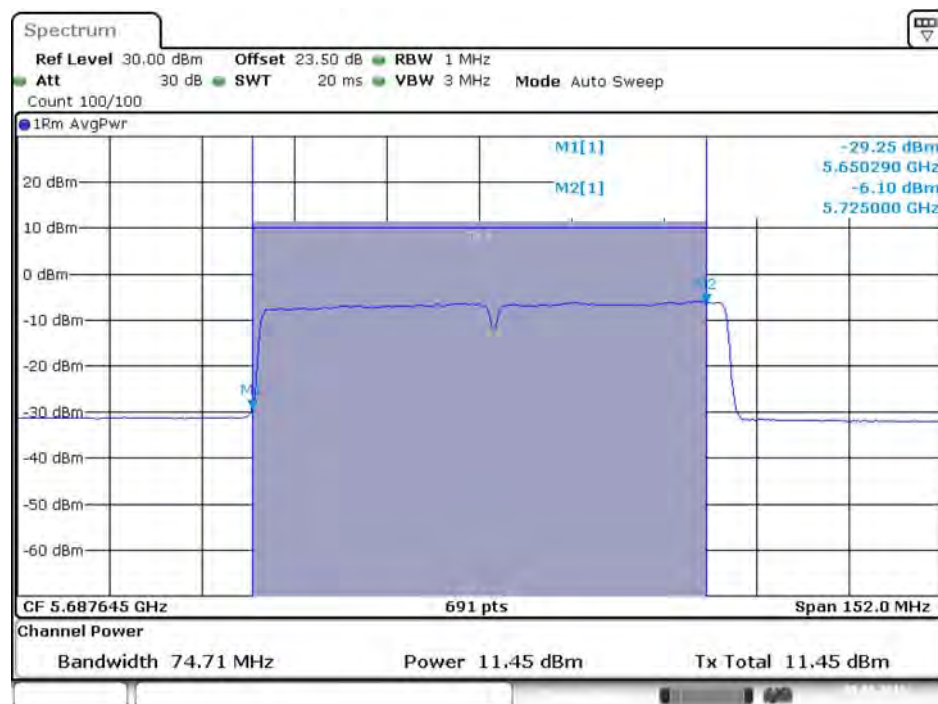
Date: 9.AUG.2016 02:38:20

### Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 3 / 5690 MHz (UNII 2C)



Date: 9.AUG.2016 02:40:07

### Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 / 5690 MHz (UNII 2C)



Date: 9.AUG.2016 02:42:22

### Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5690 MHz (UNII 3)



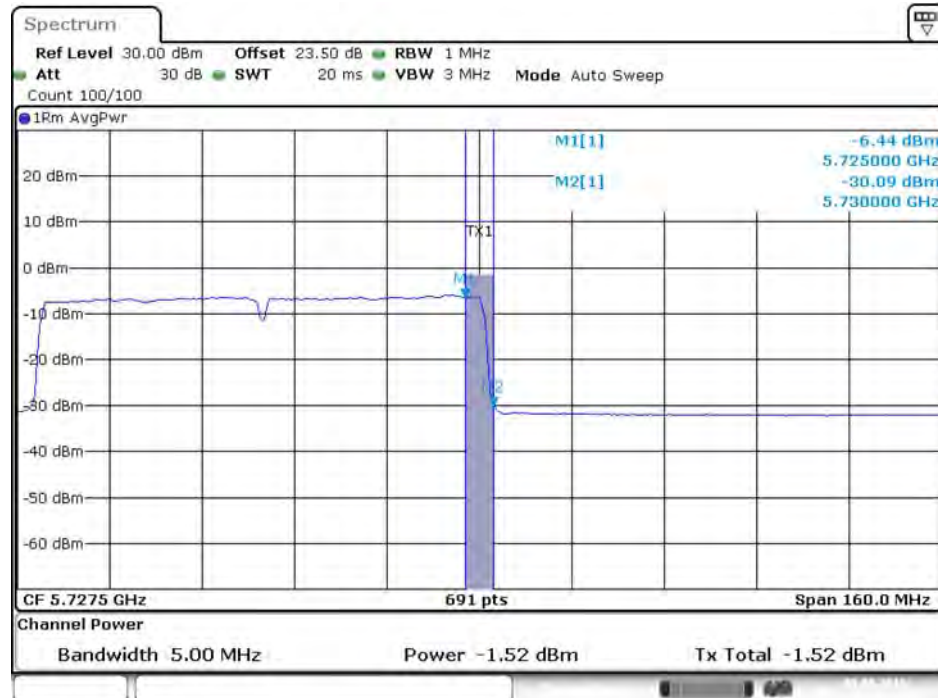
Date: 9.AUG.2016 02:36:08

### Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2 / 5690 MHz (UNII 3)



Date: 9.AUG.2016 02:38:23

### Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 3 / 5690 MHz (UNII 3)



Date: 9.AUG.2016 02:40:11

### Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 / 5690 MHz (UNII 3)



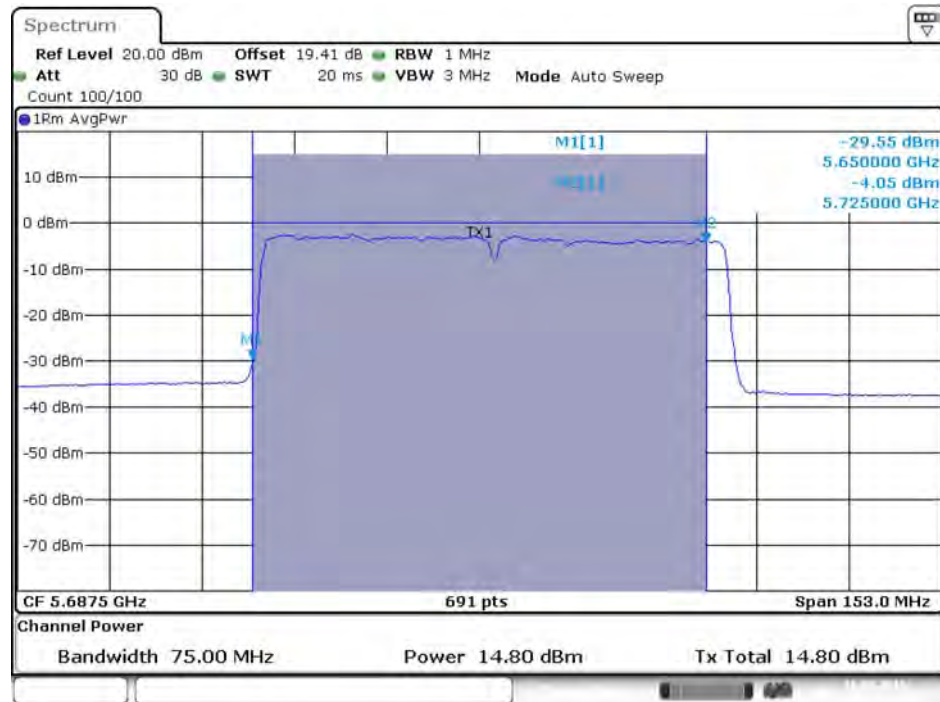
Date: 9.AUG.2016 02:42:26

802.11ac MCS0/Nss2 VHT80+80

Straddle Channel

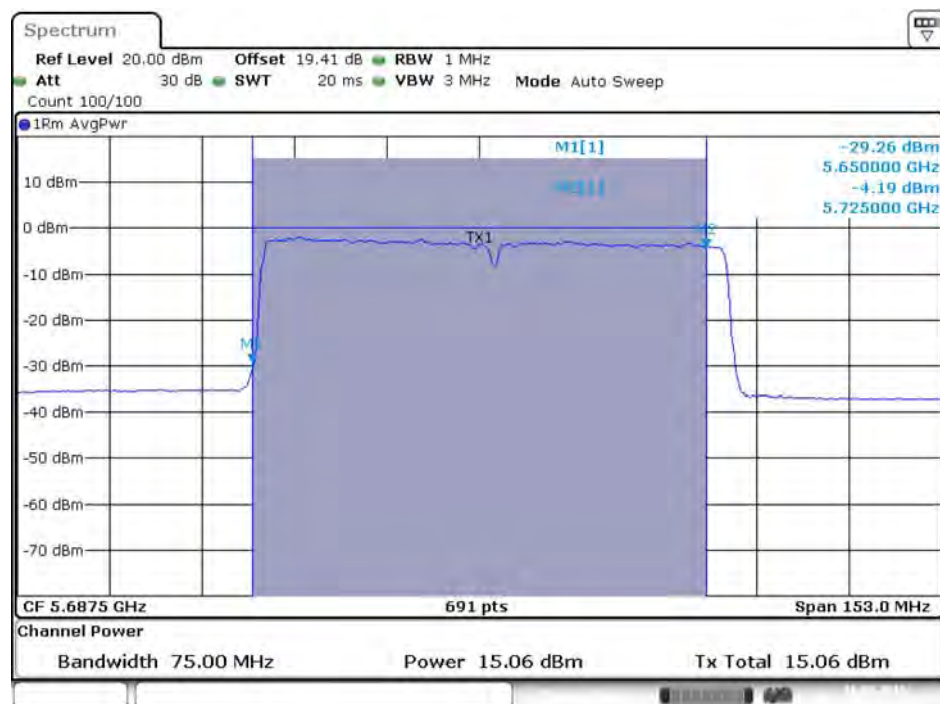
Type 3

Conducted Output Power Plot on Chain 3 / 5690 MHz (UNII 2C)



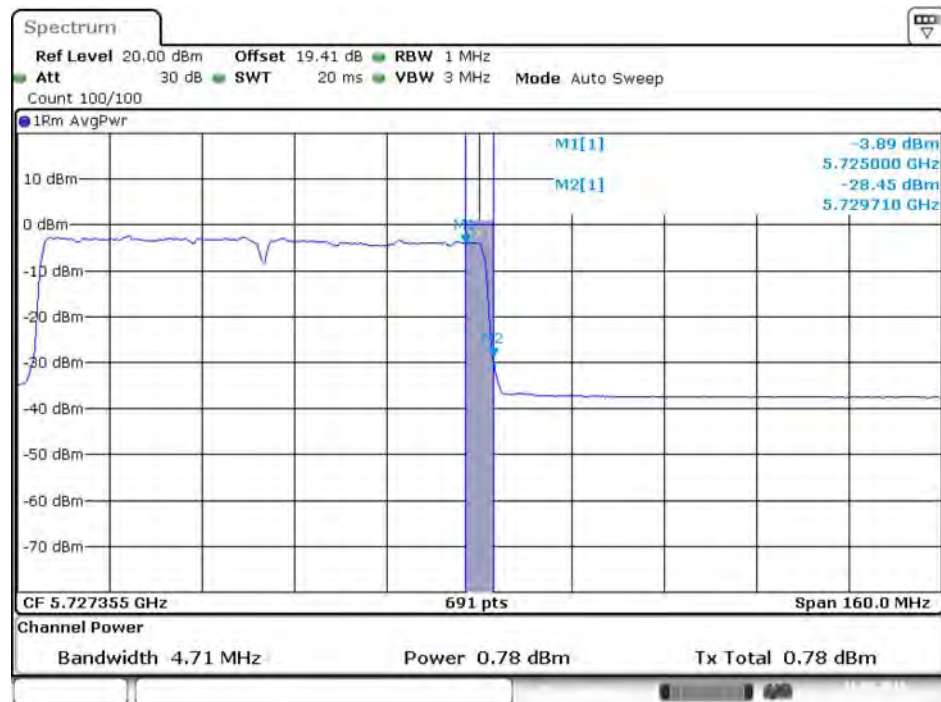
Date: 16.AUG.2016 19:52:24

Conducted Output Power Plot on Chain 4 / 5690 MHz (UNII 2C)



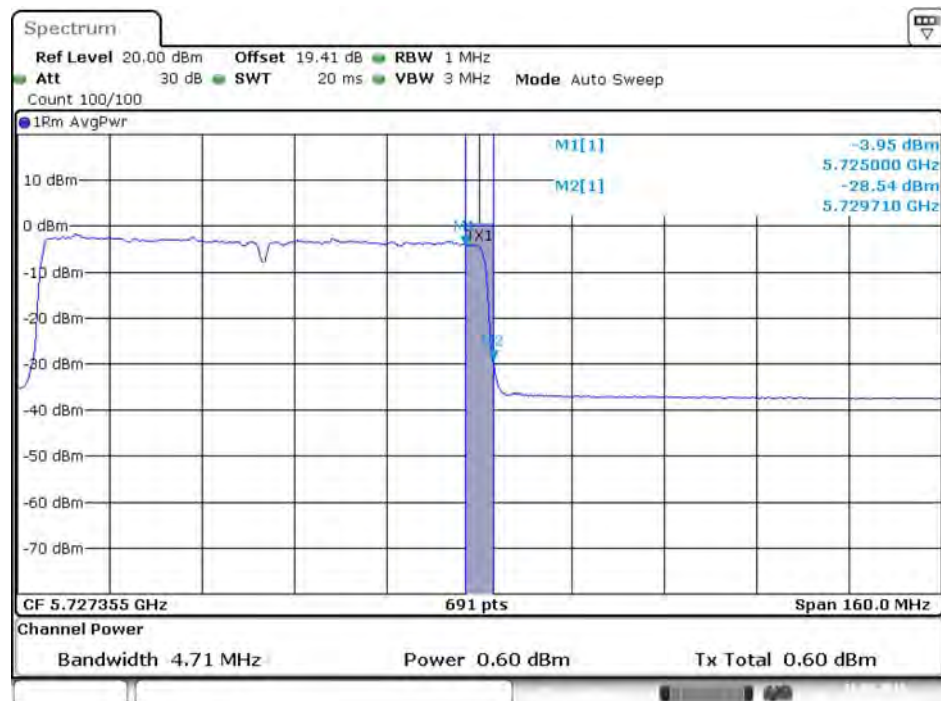
Date: 16.AUG.2016 19:52:32

### Conducted Output Power Plot on Chain 3 / 5690 MHz (UNII 3)



Date: 16.AUG.2016 19:52:28

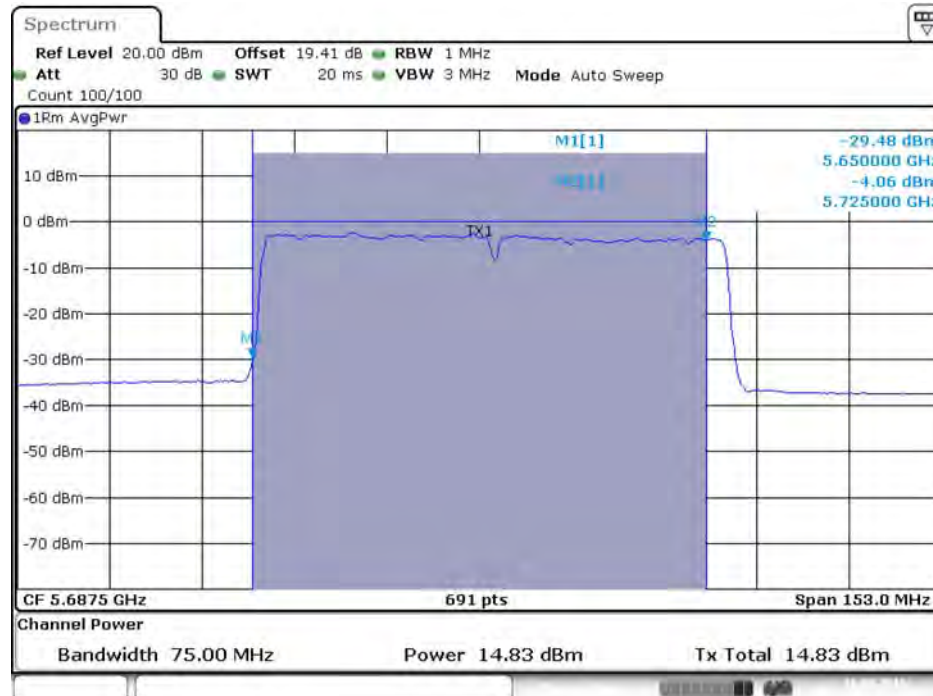
### Conducted Output Power Plot on Chain 4 / 5690 MHz (UNII 3)



Date: 16.AUG.2016 19:52:35

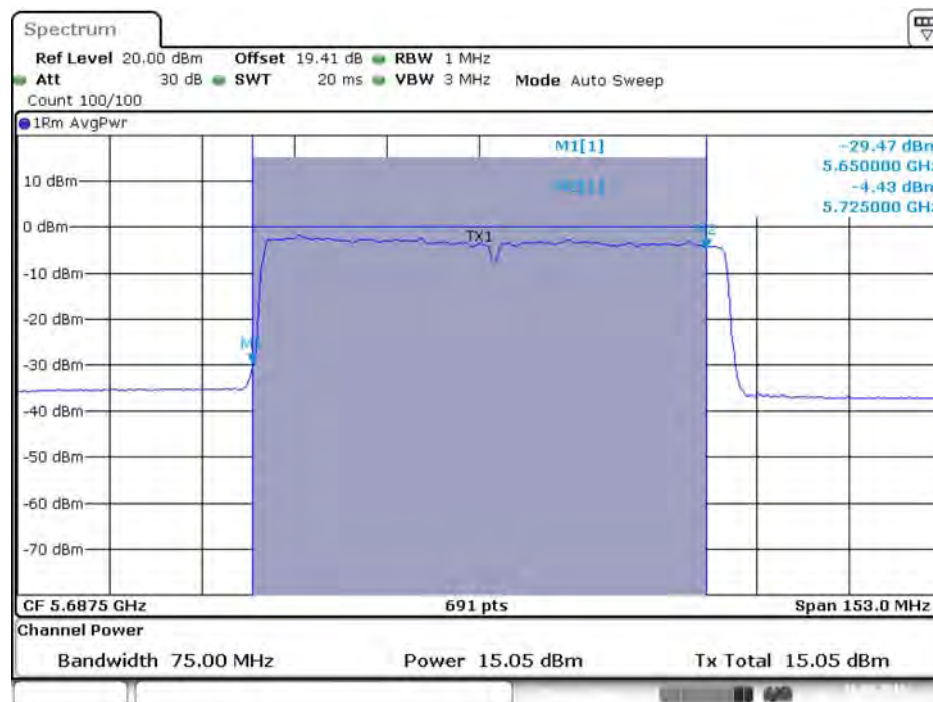
### Type 7

#### Conducted Output Power Plot on Chain 3 / 5690 MHz (UNII 2C)



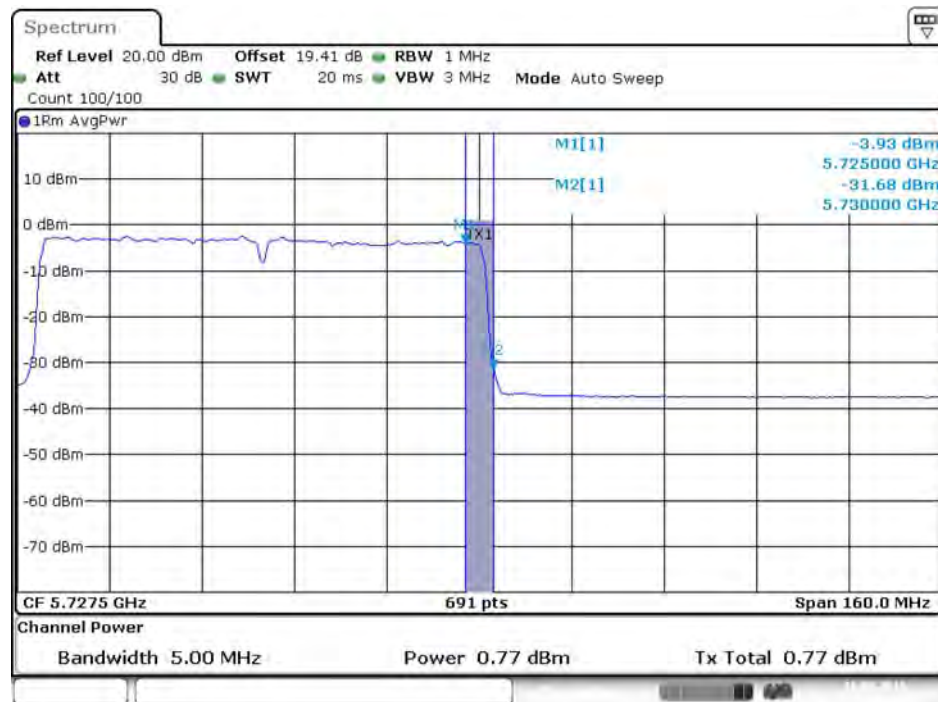
Date: 16.AUG.2016 19:57:34

#### Conducted Output Power Plot on Chain 4 / 5690 MHz (UNII 2C)



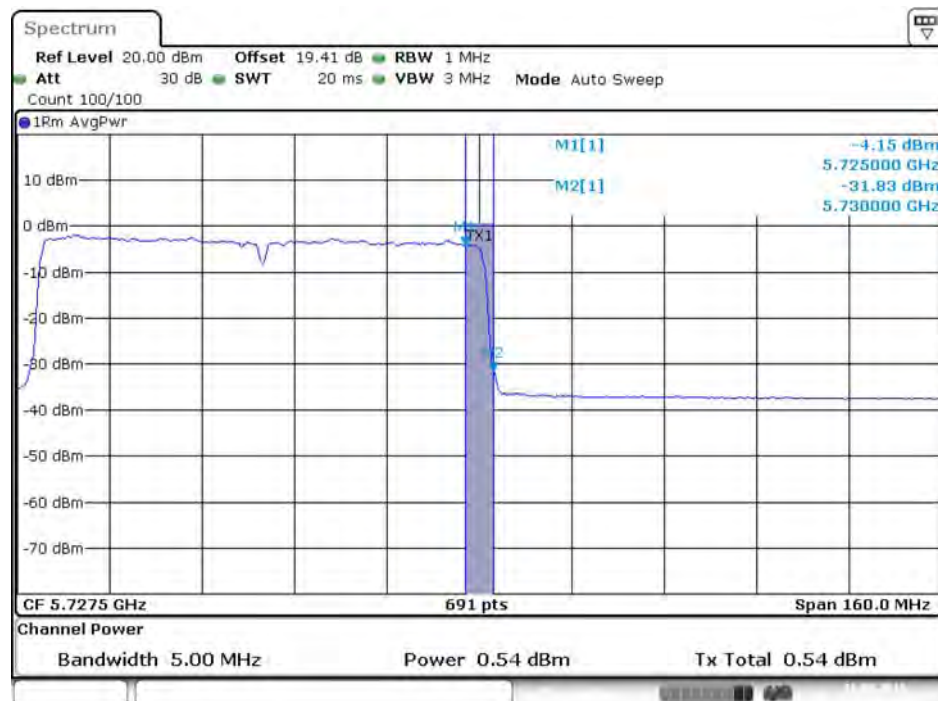
Date: 16.AUG.2016 19:57:41

### Conducted Output Power Plot on Chain 3 / 5690 MHz (UNII 3)



Date: 16.AUG.2016 19:57:37

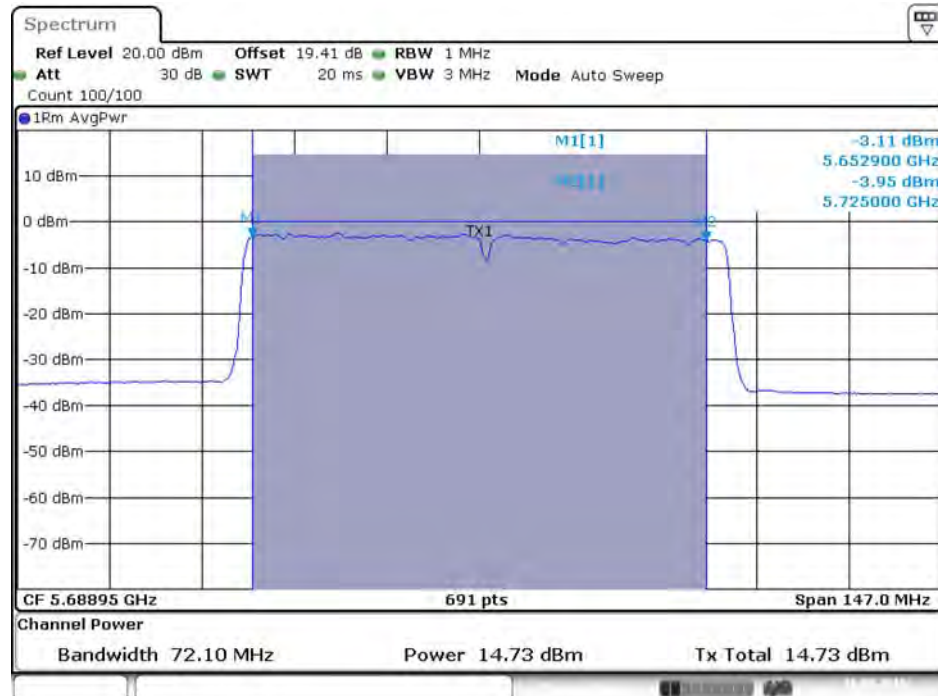
### Conducted Output Power Plot on Chain 4 / 5690 MHz (UNII 3)



Date: 16.AUG.2016 19:57:45

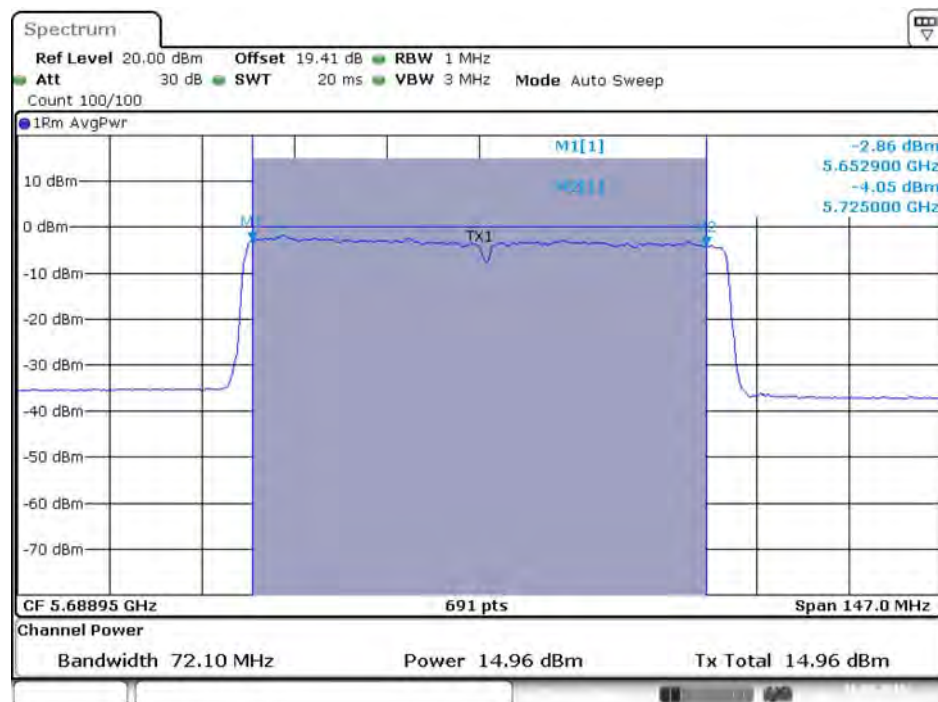
### Type 9

#### Conducted Output Power Plot on Chain 3 / 5690 MHz (UNII 2C)



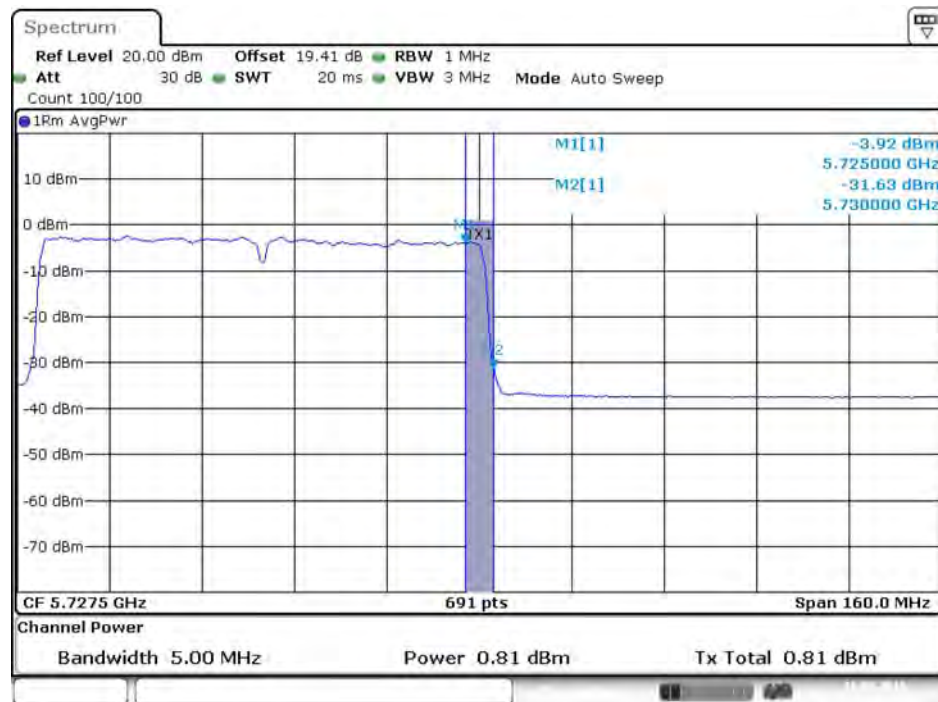
Date: 16.AUG.2016 20:01:30

#### Conducted Output Power Plot on Chain 4 / 5690 MHz (UNII 2C)



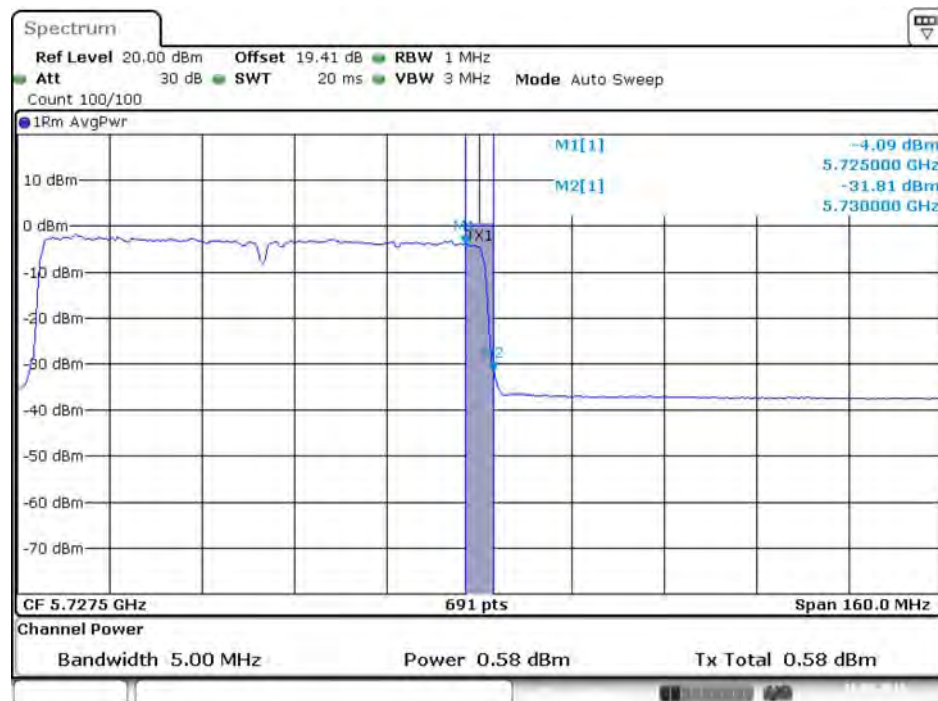
Date: 16.AUG.2016 20:01:37

### Conducted Output Power Plot on Chain 3 / 5690 MHz (UNII 3)



Date: 16.AUG.2016 20:01:33

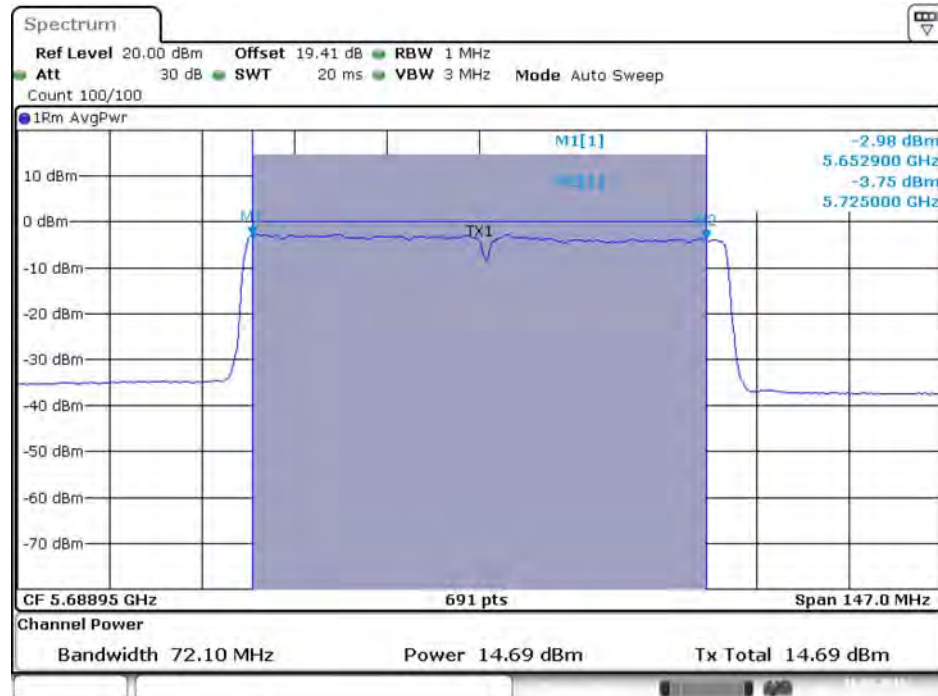
### Conducted Output Power Plot on Chain 4 / 5690 MHz (UNII 3)



Date: 16.AUG.2016 20:01:40

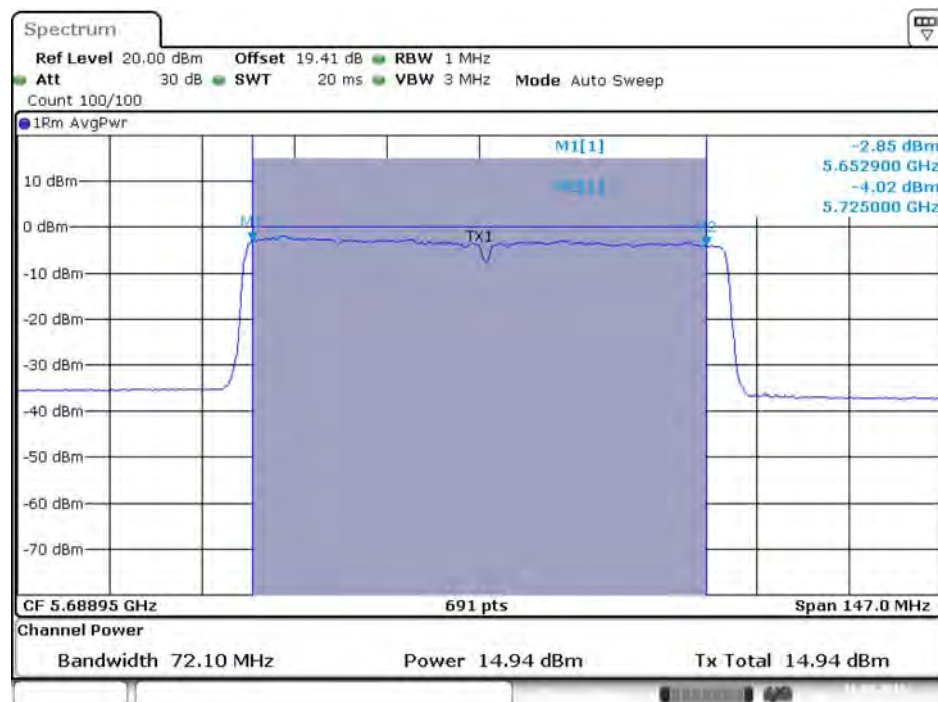
## Type 12

### Conducted Output Power Plot on Chain 1 / 5690 MHz (UNII 2C)



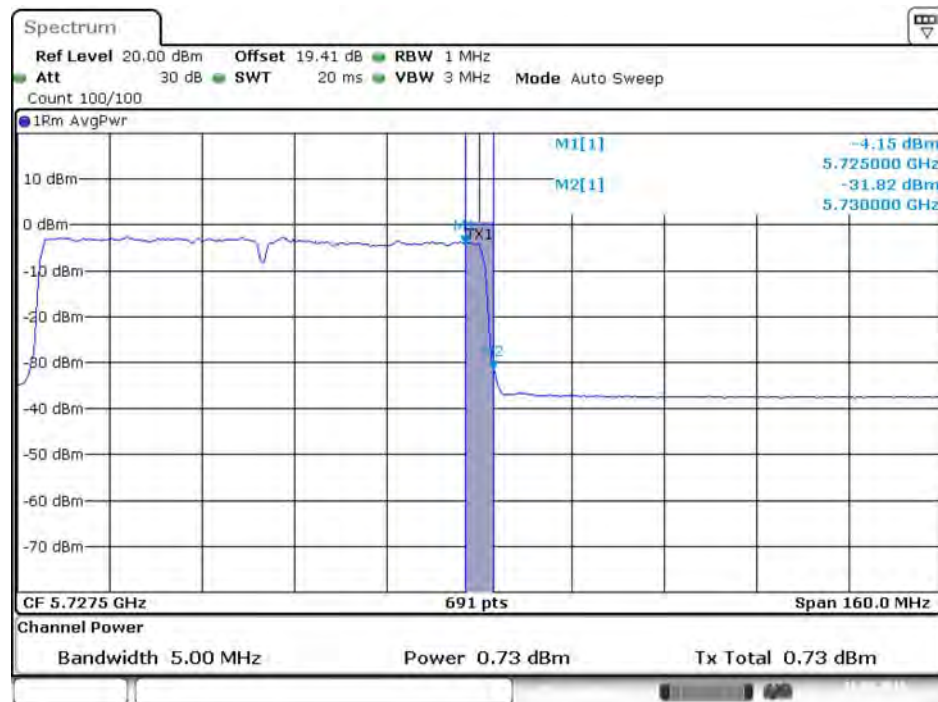
Date: 16.AUG.2016 20:11:40

### Conducted Output Power Plot on Chain 2 / 5690 MHz (UNII 2C)



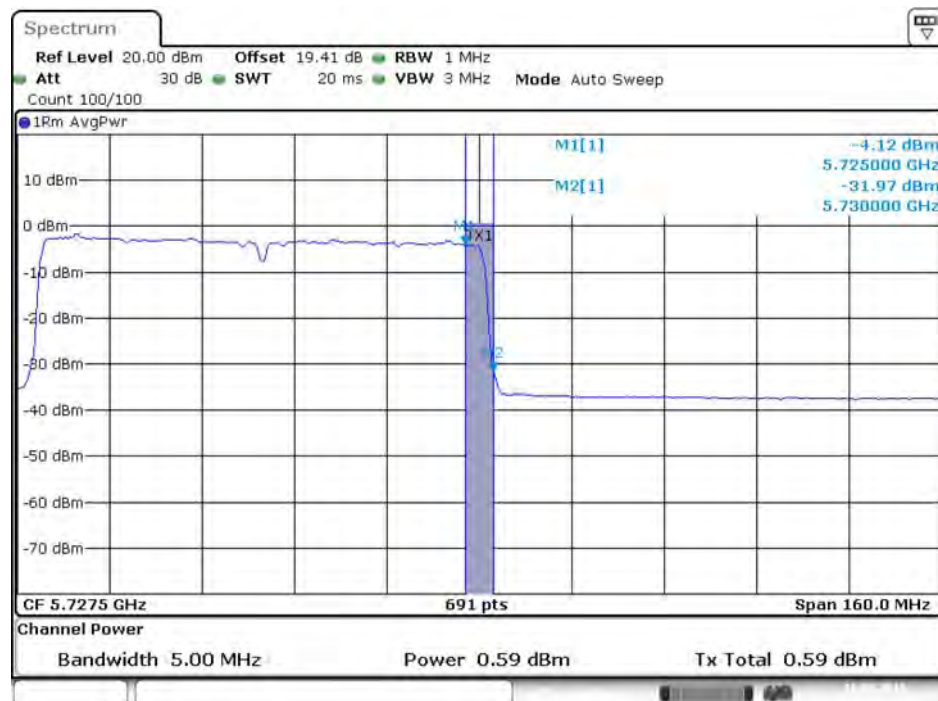
Date: 16.AUG.2016 20:11:47

### Conducted Output Power Plot on Chain 1 / 5690 MHz (UNII 3)



Date: 16.AUG.2016 20:11:43

### Conducted Output Power Plot on Chain 2 / 5690 MHz (UNII 3)



Date: 16.AUG.2016 20:11:50

## 4.5. Power Spectral Density Measurement

### 4.5.1. Limit

The following table is power spectral density limits and decrease power density limit rule refer to section 4.4.1.

| Frequency Band                      |                                    | Limit         |
|-------------------------------------|------------------------------------|---------------|
| <input checked="" type="checkbox"/> | 5.15~5.25 GHz                      |               |
|                                     | Operating Mode                     |               |
| <input checked="" type="checkbox"/> | Outdoor access point               | 17 dBm/MHz    |
| <input checked="" type="checkbox"/> | Indoor access point                | 17 dBm/MHz    |
| <input type="checkbox"/>            | Fixed point-to-point access points | 17 dBm/MHz    |
| <input checked="" type="checkbox"/> | Mobile and portable client devices | 11 dBm/MHz    |
| <input checked="" type="checkbox"/> | 5.25-5.35 GHz                      | 11 dBm/MHz    |
| <input checked="" type="checkbox"/> | 5.470-5.725 GHz                    | 11 dBm/MHz    |
| <input checked="" type="checkbox"/> | 5.725~5.85 GHz                     | 30 dBm/500kHz |

### 4.5.2. Measuring Instruments and Setting

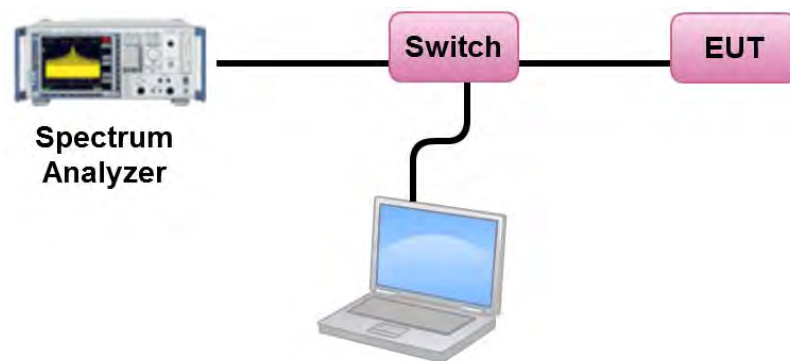
Please refer to section 5 of equipments list in this report. The following table is the setting of the spectrum analyzer.

| Spectrum Parameter                                                                                                                                                                                                                                    | Setting                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|
| Attenuation                                                                                                                                                                                                                                           | Auto                                                         |
| Span Frequency                                                                                                                                                                                                                                        | Encompass the entire emissions bandwidth (EBW) of the signal |
| RBW                                                                                                                                                                                                                                                   | 1000 kHz                                                     |
| VBW                                                                                                                                                                                                                                                   | 3000 kHz                                                     |
| Detector                                                                                                                                                                                                                                              | RMS                                                          |
| Trace                                                                                                                                                                                                                                                 | AVERAGE                                                      |
| Sweep Time                                                                                                                                                                                                                                            | Auto                                                         |
| Trace Average                                                                                                                                                                                                                                         | 100 times                                                    |
| Note: If measurement bandwidth of Maximum PSD is specified in 500 kHz, add $10\log(500\text{kHz}/\text{RBW})$ to the measured result, whereas RBW ( $< 500$ kHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement. |                                                              |

#### 4.5.3. Test Procedures

1. The transmitter output (antenna port) was connected RF switch to the spectrum analyzer.
2. Test was performed in accordance with KDB789033 D02 v01r03 for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices - section (F) Maximum Power Spectral Density (PSD).
3. Multiple antenna systems was performed in accordance KDB662911 D01 v02r01 in-Band Power Spectral Density (PSD) Measurements and sum the spectra across the outputs.
4. For 5.725~5.85 GHz, the measured result of PSD level must add  $10\log(500\text{kHz/RBW})$  and the final result should  $\leq 30 \text{ dBm}$ .

#### 4.5.4. Test Setup Layout



#### 4.5.5. Test Deviation

There is no deviation with the original standard.

#### 4.5.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

#### 4.5.7. Test Result of Power Spectral Density

|               |          |          |     |
|---------------|----------|----------|-----|
| Temperature   | 22°C     | Humidity | 54% |
| Test Engineer | Gary Chu |          |     |

For non-beamforming mode

For indoor use master B1 and indoor, outdoor use B2~B4

Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 10.92                   | 10.98                | Complies |
| 40      | 5200 MHz  | 10.92                   | 10.98                | Complies |
| 48      | 5240 MHz  | 10.96                   | 10.98                | Complies |
| 52      | 5260 MHz  | 4.92                    | 4.98                 | Complies |
| 60      | 5300 MHz  | 4.91                    | 4.98                 | Complies |
| 64      | 5320 MHz  | 4.88                    | 4.98                 | Complies |
| 100     | 5500 MHz  | 4.85                    | 4.98                 | Complies |
| 116     | 5580 MHz  | 4.93                    | 4.98                 | Complies |
| 140     | 5700 MHz  | 4.97                    | 4.98                 | Complies |

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.02\text{dBi}$ , so B1 limit = 17-(12.02-6)=10.98dBm/MHz.

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.02\text{dBi}$ , so B2 B3 limit = 11-(12.02-6)=4.98dBm/MHz.

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 15.87                   | -3.01                         | 12.86                      | 23.98                            | Complies |
| 157     | 5785 MHz  | 15.61                   | -3.01                         | 12.60                      | 23.98                            | Complies |
| 165     | 5825 MHz  | 15.74                   | -3.01                         | 12.73                      | 23.98                            | Complies |

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.02\text{dBi}$ , so B4 limit = 30-(12.02-6)=23.98dBm/500kHz.

**Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 10.87                   | 10.98                | Complies |
| 40      | 5200 MHz  | 10.89                   | 10.98                | Complies |
| 48      | 5240 MHz  | 10.80                   | 10.98                | Complies |
| 52      | 5260 MHz  | 4.76                    | 4.98                 | Complies |
| 60      | 5300 MHz  | 4.82                    | 4.98                 | Complies |
| 64      | 5320 MHz  | 4.81                    | 4.98                 | Complies |
| 100     | 5500 MHz  | 4.88                    | 4.98                 | Complies |
| 116     | 5580 MHz  | 4.85                    | 4.98                 | Complies |
| 140     | 5700 MHz  | 4.97                    | 4.98                 | Complies |

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.02\text{dBi}$ , so B1 limit =  $17 - (12.02 - 6) = 10.98\text{dBm/MHz}$ .

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.02\text{dBi}$ , so B2 B3 limit =  $11 - (12.02 - 6) = 4.98\text{dBm/MHz}$ .

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 15.10                   | -3.01                         | 12.09                      | 23.98                            | Complies |
| 157     | 5785 MHz  | 15.43                   | -3.01                         | 12.42                      | 23.98                            | Complies |
| 165     | 5825 MHz  | 15.50                   | -3.01                         | 12.49                      | 23.98                            | Complies |

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.02\text{dBi}$ , so B4 limit =  $30 - (12.02 - 6) = 23.98\text{dBm/500kHz}$ .

**Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 38      | 5190 MHz  | 6.88                    | 10.98                | Complies |
| 46      | 5230 MHz  | 9.94                    | 10.98                | Complies |
| 54      | 5270 MHz  | 4.87                    | 4.98                 | Complies |
| 62      | 5310 MHz  | 4.93                    | 4.98                 | Complies |
| 102     | 5510 MHz  | 3.41                    | 4.98                 | Complies |
| 110     | 5550 MHz  | 4.88                    | 4.98                 | Complies |
| 134     | 5670 MHz  | 4.90                    | 4.98                 | Complies |

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.02\text{dBi}$ , so B1 limit = 17-(12.02-6)=10.98dBm/MHz.

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.02\text{dBi}$ , so B2 B3 limit = 11-(12.02-6)=4.98dBm/MHz.

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 151     | 5755 MHz  | 11.02                   | -3.01                         | 8.01                       | 23.98                            | Complies |
| 159     | 5795 MHz  | 12.63                   | -3.01                         | 9.62                       | 23.98                            | Complies |

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.02\text{dBi}$ , so B4 limit = 30-(12.02-6)=23.98dBm/500kHz.

**Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 42      | 5210 MHz  | -1.39                   | 10.98                | Complies |
| 58      | 5290 MHz  | 1.41                    | 4.98                 | Complies |
| 106     | 5530 MHz  | -3.41                   | 4.98                 | Complies |
| 122     | 5610 MHz  | 3.39                    | 4.98                 | Complies |

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.02\text{dBi}$ , so B1 limit = 17-(12.02-6)=10.98dBm/MHz.

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.02\text{dBi}$ , so B2 B3 limit = 11-(12.02-6)=4.98dBm/MHz.

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 155     | 5775 MHz  | 4.60                    | -3.01                         | 1.59                       | 23.98                            | Complies |

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.02\text{dBi}$ , so B4 limit = 30-(12.02-6)=23.98dBm/500kHz.

### Straddle Channel

#### Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4

| Channel | Frequency             | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------------------|-------------------------|----------------------|----------|
| 144     | 5720 MHz<br>(UNII 2C) | 4.68                    | 4.98                 | Complies |

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.02\text{dBi}$ , so limit = 11-(12.02-6)=4.98dBm/MHz.

| Channel | Frequency            | Power Density<br>(dBm/MHz) | 10log(500kHz/RBW)<br>Factor (dB) | Power Density<br>(dBm/500kHz) | Power Density<br>Limit<br>(dBm/500kHz) | Result   |
|---------|----------------------|----------------------------|----------------------------------|-------------------------------|----------------------------------------|----------|
| 144     | 5720 MHz<br>(UNII 3) | 4.47                       | -3.01                            | 1.46                          | 23.98                                  | Complies |

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.02\text{dBi}$ , so limit = 30-(12.02-6)=23.98dBm/500kHz.

**Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency             | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------------------|-------------------------|----------------------|----------|
| 144     | 5720 MHz<br>(UNII 2C) | 4.76                    | 4.98                 | Complies |

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.02\text{dBi}$ , so limit = 11-(12.02-6)=4.98dBm/MHz.

| Channel | Frequency            | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|----------------------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 144     | 5720 MHz<br>(UNII 3) | 4.58                    | -3.01                         | 1.57                       | 23.98                            | Complies |

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.02\text{dBi}$ , so limit = 30-(12.02-6)=23.98dBm/500kHz.

**Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency             | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------------------|-------------------------|----------------------|----------|
| 142     | 5710 MHz<br>(UNII 2C) | 4.69                    | 4.98                 | Complies |

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.02\text{dBi}$ , so limit = 11-(12.02-6)=4.98dBm/MHz.

| Channel | Frequency            | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|----------------------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 142     | 5710 MHz<br>(UNII 3) | 4.38                    | -3.01                         | 1.37                       | 23.98                            | Complies |

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.02\text{dBi}$ , so limit = 30-(12.02-6)=23.98dBm/500kHz.

**Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency             | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------------------|-------------------------|----------------------|----------|
| 138     | 5690 MHz<br>(UNII 2C) | 4.61                    | 4.98                 | Complies |

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.02\text{dBi}$ , so limit = 11-(12.02-6)=4.98dBm/MHz.

| Channel | Frequency            | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|----------------------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 138     | 5690 MHz<br>(UNII 3) | 4.60                    | -3.01                         | 1.59                       | 23.98                            | Complies |

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.02\text{dBi}$ , so limit = 30-(12.02-6)=23.98dBm/500kHz.

For indoor use slave without radar detection B1

Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 4.97                    | 4.98                 | Complies |
| 40      | 5200 MHz  | 4.86                    | 4.98                 | Complies |
| 48      | 5240 MHz  | 4.90                    | 4.98                 | Complies |

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.02 \text{ dBi}$ , so limit = 11-(12.02-6)=4.98dBm/MHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 4.69                    | 4.98                 | Complies |
| 40      | 5200 MHz  | 4.64                    | 4.98                 | Complies |
| 48      | 5240 MHz  | 4.77                    | 4.98                 | Complies |

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.02 \text{ dBi}$ , so limit = 11-(12.02-6)=4.98dBm/MHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 38      | 5190 MHz  | 4.91                    | 4.98                 | Complies |
| 46      | 5230 MHz  | 4.83                    | 4.98                 | Complies |

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.02 \text{ dBi}$ , so limit = 11-(12.02-6)=4.98dBm/MHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 42      | 5210 MHz  | -1.39                   | 4.98                 | Complies |

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.02 \text{ dBi}$ , so limit = 11-(12.02-6)=4.98dBm/MHz.

For outdoor use master B1

Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 1.69                    | 10.98                | Complies |
| 40      | 5200 MHz  | 1.76                    | 10.98                | Complies |
| 48      | 5240 MHz  | 1.59                    | 10.98                | Complies |

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.02 \text{ dBi}$ , so B1 limit = 17-(12.02-6)=10.98dBm/MHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 1.53                    | 10.98                | Complies |
| 40      | 5200 MHz  | 1.46                    | 10.98                | Complies |
| 48      | 5240 MHz  | 1.51                    | 10.98                | Complies |

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.02 \text{ dBi}$ , so B1 limit = 17-(12.02-6)=10.98dBm/MHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 38      | 5190 MHz  | -1.50                   | 10.98                | Complies |
| 46      | 5230 MHz  | -1.47                   | 10.98                | Complies |

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.02 \text{ dBi}$ , so B1 limit = 17-(12.02-6)=10.98dBm/MHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 42      | 5210 MHz  | -4.34                   | 10.98                | Complies |

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.02 \text{ dBi}$ , so B1 limit = 17-(12.02-6)=10.98dBm/MHz.

# 802.11ac MCS0/Nss2 VHT80+80

## For indoor use master

| Type | Frequency             | Power Density<br>(dBm/MHz) | 10log(500kHz/RBW)<br>Factor (dB) | Power Density<br>(dBm/500kHz) | Power Density Limit<br>(dBm/500kHz) | Max. Limit<br>(dBm/MHz) | Result   |
|------|-----------------------|----------------------------|----------------------------------|-------------------------------|-------------------------------------|-------------------------|----------|
| 1    | 5210 MHz              | -1.05                      | -                                |                               |                                     | 13.99                   | Complies |
|      | 5530 MHz              | -0.73                      |                                  |                               |                                     | 7.99                    | Complies |
| 2    | 5210 MHz              | -0.82                      |                                  |                               |                                     | 13.99                   | Complies |
|      | 5610 MHz              | -1.06                      |                                  |                               |                                     | 7.99                    | Complies |
| 3    | 5210 MHz              | -0.83                      |                                  |                               |                                     | 13.99                   | Complies |
|      | 5690 MHz<br>(UNII 2C) | -1.19                      |                                  |                               |                                     | 7.99                    | Complies |
|      | 5690 MHz<br>(UNII 3)  | -2.75                      | -3.01                            | -5.76                         | 26.99                               | -                       | Complies |
| 4    | 5210 MHz              | -0.79                      | -                                |                               |                                     | 13.99                   | Complies |
|      | 5775 MHz              | -0.71                      | -3.01                            | -3.72                         | 26.99                               | -                       | Complies |
| 5    | 5290 MHz              | -0.54                      | -                                |                               |                                     | 7.99                    | Complies |
|      | 5530 MHz              | -0.14                      |                                  |                               |                                     | 7.99                    | Complies |
| 6    | 5290 MHz              | 0.71                       |                                  |                               |                                     | 7.99                    | Complies |
|      | 5610 MHz              | 0.70                       |                                  |                               |                                     | 7.99                    | Complies |
| 7    | 5290 MHz              | 0.37                       |                                  |                               |                                     | 7.99                    | Complies |
|      | 5690 MHz<br>(UNII 2C) | -0.15                      |                                  |                               |                                     | 7.99                    | Complies |
|      | 5690 MHz<br>(UNII 3)  | -1.67                      | -3.01                            | -4.68                         | 26.99                               | -                       | Complies |
| 8    | 5290 MHz              | 0.44                       | -                                |                               |                                     | 7.99                    | Complies |
|      | 5775 MHz              | 0.67                       | -3.01                            | -2.34                         | 26.99                               | -                       | Complies |
| 9    | 5530 MHz              | -2.33                      | -                                |                               |                                     | 7.99                    | Complies |
|      | 5690 MHz<br>(UNII 2C) | -2.43                      |                                  |                               |                                     | 7.99                    | Complies |
|      | 5690 MHz<br>(UNII 3)  | -2.85                      | -3.01                            | -5.86                         | 26.99                               | -                       | Complies |
| 10   | 5530 MHz              | -2.46                      | -                                |                               |                                     | 7.99                    | Complies |
|      | 5775 MHz              | -1.84                      | -3.01                            | -4.85                         | 26.99                               | -                       | Complies |
| 11   | 5610 MHz              | -1.03                      | -                                |                               |                                     | 7.99                    | Complies |
|      | 5775 MHz              | -0.24                      | -3.01                            | -3.25                         | 26.99                               | -                       | Complies |

|    |                       |       |       |       |       |       |          |
|----|-----------------------|-------|-------|-------|-------|-------|----------|
| 12 | 5690 MHz<br>(UNII 2C) | -1.08 | -     |       |       | 7.99  | Complies |
|    | 5690 MHz<br>(UNII 3)  | -0.96 | -3.01 | -3.97 | 26.99 | -     | Complies |
|    | 5775 MHz              | 0.30  | -3.01 | -2.71 | 26.99 | -     | Complies |
| 13 | 5210 MHz              | -2.34 | -     |       |       | 13.99 | Complies |
|    | 5290 MHz              | -2.26 |       |       |       | 7.99  | Complies |
| 14 | 5530 MHz              | -2.06 |       |       |       | 7.99  | Complies |
|    | 5610 MHz              | -1.41 |       |       |       | 7.99  | Complies |
| 15 | 5610 MHz              | 1.30  |       |       |       | 7.99  | Complies |
|    | 5690 MHz<br>(UNII 2C) | 1.60  |       |       |       | 7.99  | Complies |
|    | 5690 MHz<br>(UNII 3)  | 1.40  | -3.01 | -1.61 | 26.99 | -     | Complies |

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.01 \text{ dBi}$ , so limit = 17-(9.01-6) = 13.99dBm/MHz.

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.01 \text{ dBi}$ , so limit = 11-(9.01-6) = 7.99dBm/MHz.

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.01 \text{ dBi}$ , so limit = 30-(9.01-6) = 26.99dBm/500kHz.

## For indoor use slave without radar detection B1

| Type | Frequency             | Power Density<br>(dBm/MHz) | 10log(500kHz/RBW)<br>Factor (dB) | Power Density<br>(dBm/500kHz) | Power Density Limit<br>(dBm/500kHz) | Max. Limit<br>(dBm/MHz) | Result   |
|------|-----------------------|----------------------------|----------------------------------|-------------------------------|-------------------------------------|-------------------------|----------|
| 1    | 5210 MHz              | -1.05                      | -                                |                               |                                     | 7.99                    | Complies |
|      | 5530 MHz              | -0.73                      |                                  |                               |                                     | 7.99                    | Complies |
| 2    | 5210 MHz              | -0.82                      |                                  |                               |                                     | 7.99                    | Complies |
|      | 5610 MHz              | -1.06                      |                                  |                               |                                     | 7.99                    | Complies |
| 3    | 5210 MHz              | -0.83                      |                                  |                               |                                     | 7.99                    | Complies |
|      | 5690 MHz<br>(UNII 2C) | -1.19                      |                                  |                               |                                     | 7.99                    | Complies |
|      | 5690 MHz<br>(UNII 3)  | -2.75                      | -3.01                            | -5.76                         | 26.99                               | -                       | Complies |
| 4    | 5210 MHz              | -0.79                      | -                                |                               |                                     | 7.99                    | Complies |
|      | 5775 MHz              | -0.71                      | -3.01                            | -3.72                         | 26.99                               | -                       | Complies |
| 13   | 5210 MHz              | -2.34                      | -                                |                               |                                     | 7.99                    | Complies |
|      | 5290 MHz              | -2.26                      |                                  |                               |                                     | -                       | Complies |

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.01 \text{ dBi}$ , so limit = 11 - (9.01 - 6) = 7.99 dBm/MHz.

## For outdoor use master B1

| Type | Frequency             | Power Density<br>(dBm/MHz) | 10log(500kHz/RBW)<br>Factor (dB) | Power Density<br>(dBm/500kHz) | Power Density Limit<br>(dBm/500kHz) | Max. Limit<br>(dBm/MHz) | Result   |
|------|-----------------------|----------------------------|----------------------------------|-------------------------------|-------------------------------------|-------------------------|----------|
| 1    | 5210 MHz              | -4.47                      | -                                |                               |                                     | 13.99                   | Complies |
|      | 5530 MHz              | -4.66                      |                                  |                               |                                     | 7.99                    | Complies |
| 2    | 5210 MHz              | -4.51                      |                                  |                               |                                     | 13.99                   | Complies |
|      | 5610 MHz              | -4.89                      |                                  |                               |                                     | 7.99                    | Complies |
| 3    | 5210 MHz              | -4.50                      |                                  |                               |                                     | 13.99                   | Complies |
|      | 5690 MHz<br>(UNII 2C) | -5.41                      |                                  |                               |                                     | 7.99                    | Complies |
|      | 5690 MHz<br>(UNII 3)  | -6.95                      | -3.01                            | -9.96                         | 26.99                               | -                       | Complies |
| 4    | 5210 MHz              | -4.51                      | -                                |                               |                                     | 13.99                   | Complies |
|      | 5775 MHz              | -4.76                      | -3.01                            | -7.77                         | 26.99                               | -                       | Complies |
| 13   | 5210 MHz              | -4.43                      | -                                |                               |                                     | 13.99                   | Complies |
|      | 5290 MHz              | -4.71                      |                                  |                               |                                     | 7.99                    | Complies |

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.01 \text{ dBi}$ , so limit = 17-(9.01-6) = 13.99dBm/MHz.

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.01 \text{ dBi}$ , so limit = 11-(9.01-6) = 7.99dBm/MHz.

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.01 \text{ dBi}$ , so limit = 30-(9.01-6) = 26.99dBm/500kHz.

For beamforming mode

For indoor use master B1 and indoor, outdoor use B2~B4

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 10.36                   | 10.98                | Complies |
| 40      | 5200 MHz  | 10.41                   | 10.98                | Complies |
| 48      | 5240 MHz  | 10.31                   | 10.98                | Complies |
| 52      | 5260 MHz  | 4.37                    | 4.98                 | Complies |
| 60      | 5300 MHz  | 4.42                    | 4.98                 | Complies |
| 64      | 5320 MHz  | 4.25                    | 4.98                 | Complies |
| 100     | 5500 MHz  | 3.91                    | 4.98                 | Complies |
| 116     | 5580 MHz  | 4.00                    | 4.98                 | Complies |
| 140     | 5700 MHz  | 3.94                    | 4.98                 | Complies |

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.02\text{dBi}$ , so B1 limit = 17-(12.02-6)=10.98dBm/MHz.

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.02\text{dBi}$ , so B2 B3 limit = 11-(12.02-6)=4.98dBm/MHz.

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 149     | 5745 MHz  | 9.92                    | -3.01                         | 6.91                       | 23.98                            | Complies |
| 157     | 5785 MHz  | 10.02                   | -3.01                         | 7.01                       | 23.98                            | Complies |
| 165     | 5825 MHz  | 10.08                   | -3.01                         | 7.07                       | 23.98                            | Complies |

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.02\text{dBi}$ , so B4 limit = 30-(12.02-6)=23.98dBm/500kHz.

**Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 38      | 5190 MHz  | 7.46                    | 10.98                | Complies |
| 46      | 5230 MHz  | 7.54                    | 10.98                | Complies |
| 54      | 5270 MHz  | 1.43                    | 4.98                 | Complies |
| 62      | 5310 MHz  | 1.57                    | 4.98                 | Complies |
| 102     | 5510 MHz  | 0.92                    | 4.98                 | Complies |
| 110     | 5550 MHz  | 0.89                    | 4.98                 | Complies |
| 134     | 5670 MHz  | 1.05                    | 4.98                 | Complies |

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.02\text{dBi}$ , so B1 limit = 17-(12.02-6)=10.98dBm/MHz.

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.02\text{dBi}$ , so B2 B3 limit = 11-(12.02-6)=4.98dBm/MHz.

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 151     | 5755 MHz  | 7.21                    | -3.01                         | 4.20                       | 23.98                            | Complies |
| 159     | 5795 MHz  | 7.06                    | -3.01                         | 4.05                       | 23.98                            | Complies |

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.02\text{dBi}$ , so B4 limit = 30-(12.02-6)=23.98dBm/500kHz.

**Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 42      | 5210 MHz  | 5.25                    | 10.98                | Complies |
| 58      | 5290 MHz  | -1.73                   | 4.98                 | Complies |
| 106     | 5530 MHz  | -1.72                   | 4.98                 | Complies |
| 122     | 5610 MHz  | -1.91                   | 4.98                 | Complies |

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.02\text{dBi}$ , so B1 limit = 17-(12.02-6)=10.98dBm/MHz.

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.02\text{dBi}$ , so B2 B3 limit = 11-(12.02-6)=4.98dBm/MHz.

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|-----------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 155     | 5775 MHz  | 4.27                    | -3.01                         | 1.26                       | 23.98                            | Complies |

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.02\text{dBi}$ , so B4 limit = 30-(12.02-6)=23.98dBm/500kHz.

### Straddle Channel

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4

| Channel | Frequency             | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------------------|-------------------------|----------------------|----------|
| 144     | 5720 MHz<br>(UNII 2C) | 4.64                    | 4.98                 | Complies |

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.02\text{dBi}$ , so limit = 11-(12.02-6)=4.98dBm/MHz.

| Channel | Frequency            | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|----------------------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 144     | 5720 MHz<br>(UNII 3) | 4.39                    | -3.01                         | 1.38                       | 23.98                            | Complies |

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.02\text{dBi}$ , so limit = 30-(12.02-6)=23.98dBm/500kHz.

**Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency             | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------------------|-------------------------|----------------------|----------|
| 142     | 5710 MHz<br>(UNII 2C) | 1.81                    | 4.98                 | Complies |

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.02\text{dBi}$ , so limit = 11-(12.02-6)=4.98dBm/MHz.

| Channel | Frequency            | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result   |
|---------|----------------------|-------------------------|-------------------------------|----------------------------|----------------------------------|----------|
| 142     | 5710 MHz<br>(UNII 3) | 1.65                    | -3.01                         | -1.36                      | 23.98                            | Complies |

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.02\text{dBi}$ , so limit = 30-(12.02-6)=23.98dBm/500kHz.

**Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency             | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------------------|-------------------------|----------------------|----------|
| 138     | 5690 MHz<br>(UNII 2C) | -1.60                   | 4.98                 | Complies |

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.02\text{dBi}$ , so limit = 11-(12.02-6)=4.98dBm/MHz.

| Channel | Frequency            | Power Density<br>(dBm/MHz) | 10log(500kHz/RBW)<br>Factor (dB) | Power Density<br>(dBm/500kHz) | Power Density<br>Limit<br>(dBm/500kHz) | Result   |
|---------|----------------------|----------------------------|----------------------------------|-------------------------------|----------------------------------------|----------|
| 138     | 5690 MHz<br>(UNII 3) | -1.66                      | -3.01                            | -4.67                         | 23.98                                  | Complies |

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.02\text{dBi}$ , so limit = 30-(12.02-6)=23.98dBm/500kHz.

### For indoor use slave without radar detection B1

#### Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | 4.13                    | 4.98                 | Complies |
| 40      | 5200 MHz  | 4.10                    | 4.98                 | Complies |
| 48      | 5240 MHz  | 4.20                    | 4.98                 | Complies |

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.02 \text{dBi}$ , so limit = 11-(12.02-6)=4.98dBm/MHz.

#### Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 38      | 5190 MHz  | 1.42                    | 4.98                 | Complies |
| 46      | 5230 MHz  | 1.34                    | 4.98                 | Complies |

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.02 \text{dBi}$ , so limit = 11-(12.02-6)=4.98dBm/MHz.

#### Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 42      | 5210 MHz  | -1.79                   | 4.98                 | Complies |

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.02 \text{dBi}$ , so limit = 11-(12.02-6)=4.98dBm/MHz.

For outdoor use master B1

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 36      | 5180 MHz  | -4.52                   | 10.98                | Complies |
| 40      | 5200 MHz  | -4.55                   | 10.98                | Complies |
| 48      | 5240 MHz  | -4.52                   | 10.98                | Complies |

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.02 \text{dBi}$ , so limit = 17-(12.02-6)=10.98dBm/MHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 38      | 5190 MHz  | -7.94                   | 10.98                | Complies |
| 46      | 5230 MHz  | -7.74                   | 10.98                | Complies |

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.02 \text{dBi}$ , so limit = 17-(12.02-6)=10.98dBm/MHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result   |
|---------|-----------|-------------------------|----------------------|----------|
| 42      | 5210 MHz  | -10.77                  | 10.98                | Complies |

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 12.02 \text{dBi}$ , so limit = 17-(12.02-6)=10.98dBm/MHz.

# 802.11ac MCS0/Nss2 VHT80+80

## For indoor use master

| Type | Frequency             | Power Density<br>(dBm/MHz) | 10log(500kHz/RBW)<br>Factor (dB) | Power Density<br>(dBm/500kHz) | Power Density Limit<br>(dBm/500kHz) | Max. Limit<br>(dBm/MHz) | Result   |
|------|-----------------------|----------------------------|----------------------------------|-------------------------------|-------------------------------------|-------------------------|----------|
| 1    | 5210 MHz              | -3.41                      | -                                |                               |                                     | 13.99                   | Complies |
|      | 5530 MHz              | -3.76                      |                                  |                               |                                     | 7.99                    | Complies |
| 2    | 5210 MHz              | -0.59                      |                                  |                               |                                     | 13.99                   | Complies |
|      | 5610 MHz              | -0.68                      |                                  |                               |                                     | 7.99                    | Complies |
| 3    | 5210 MHz              | -0.53                      |                                  |                               |                                     | 13.99                   | Complies |
|      | 5690 MHz<br>(UNII 2C) | -0.89                      |                                  |                               |                                     | 7.99                    | Complies |
|      | 5690 MHz<br>(UNII 3)  | -2.07                      | -3.01                            | -5.08                         | 26.99                               | -                       | Complies |
| 4    | 5210 MHz              | -0.68                      | -                                |                               |                                     | 13.99                   | Complies |
|      | 5775 MHz              | -1.05                      | -3.01                            | -4.06                         | 26.99                               | -                       | Complies |
| 5    | 5290 MHz              | -3.00                      | -                                |                               |                                     | 7.99                    | Complies |
|      | 5530 MHz              | -2.78                      |                                  |                               |                                     | 7.99                    | Complies |
| 6    | 5290 MHz              | -0.68                      |                                  |                               |                                     | 7.99                    | Complies |
|      | 5610 MHz              | -0.81                      |                                  |                               |                                     | 7.99                    | Complies |
| 7    | 5290 MHz              | -0.66                      |                                  |                               |                                     | 7.99                    | Complies |
|      | 5690 MHz<br>(UNII 2C) | -0.74                      |                                  |                               |                                     | 7.99                    | Complies |
|      | 5690 MHz<br>(UNII 3)  | -2.17                      | -3.01                            | -5.18                         | 26.99                               | -                       | Complies |
| 8    | 5290 MHz              | -0.70                      | -                                |                               |                                     | 7.99                    | Complies |
|      | 5775 MHz              | -1.05                      | -3.01                            | -4.06                         | 26.99                               | -                       | Complies |
| 9    | 5530 MHz              | -1.68                      | -                                |                               |                                     | 7.99                    | Complies |
|      | 5690 MHz<br>(UNII 2C) | -0.91                      |                                  |                               |                                     | 7.99                    | Complies |
|      | 5690 MHz<br>(UNII 3)  | -2.34                      | -3.01                            | -5.35                         | 26.99                               | -                       | Complies |
| 10   | 5530 MHz              | -1.86                      | -                                |                               |                                     | 7.99                    | Complies |
|      | 5775 MHz              | -1.02                      | -3.01                            | -4.03                         | 26.99                               | -                       | Complies |
| 11   | 5610 MHz              | -1.76                      | -                                |                               |                                     | 7.99                    | Complies |
|      | 5775 MHz              | -1.01                      | -3.01                            | -4.02                         | 26.99                               | -                       | Complies |

|    |                       |       |       |       |       |       |          |
|----|-----------------------|-------|-------|-------|-------|-------|----------|
| 12 | 5690 MHz<br>(UNII 2C) | -0.81 | -     |       |       | 7.99  | Complies |
|    | 5690 MHz<br>(UNII 3)  | -2.28 | -3.01 | -5.29 | 26.99 | -     | Complies |
|    | 5775 MHz              | -0.99 | -3.01 | -4.00 | 26.99 | -     | Complies |
| 13 | 5210 MHz              | -0.89 | -     |       |       | 13.99 | Complies |
|    | 5290 MHz              | -0.72 |       |       |       | 7.99  | Complies |
| 14 | 5530 MHz              | -2.01 |       |       |       | 7.99  | Complies |
|    | 5610 MHz              | -0.84 |       |       |       | 7.99  | Complies |

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.01 \text{ dBi, so limit} = 17 - (9.01 - 6) = 13.99 \text{ dBm/MHz.}$

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.01 \text{ dBi, so limit} = 11 - (9.01 - 6) = 7.99 \text{ dBm/MHz.}$

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.01 \text{ dBi, so limit} = 30 - (9.01 - 6) = 26.99 \text{ dBm/500kHz.}$

## For indoor use slave without radar detection B1

| Type | Frequency             | Power Density<br>(dBm/MHz) | 10log(500kHz/RBW)<br>Factor (dB) | Power Density<br>(dBm/500kHz) | Power Density Limit<br>(dBm/500kHz) | Max. Limit<br>(dBm/MHz) | Result   |
|------|-----------------------|----------------------------|----------------------------------|-------------------------------|-------------------------------------|-------------------------|----------|
| 1    | 5210 MHz              | -3.41                      | -                                |                               |                                     | 7.99                    | Complies |
|      | 5530 MHz              | -3.76                      |                                  |                               |                                     | 7.99                    | Complies |
| 2    | 5210 MHz              | -0.59                      |                                  |                               |                                     | 7.99                    | Complies |
|      | 5610 MHz              | -0.68                      |                                  |                               |                                     | 7.99                    | Complies |
| 3    | 5210 MHz              | -0.53                      |                                  |                               |                                     | 7.99                    | Complies |
|      | 5690 MHz<br>(UNII 2C) | -0.89                      |                                  |                               |                                     | 7.99                    | Complies |
|      | 5690 MHz<br>(UNII 3)  | -2.07                      | -3.01                            | -5.08                         | 26.99                               | -                       | Complies |
| 4    | 5210 MHz              | -0.68                      | -                                |                               |                                     | 7.99                    | Complies |
|      | 5775 MHz              | -1.05                      | -3.01                            | -4.06                         | 26.99                               | -                       | Complies |
| 13   | 5210 MHz              | -0.89                      | -                                |                               |                                     | 7.99                    | Complies |
|      | 5290 MHz              | -0.72                      |                                  |                               |                                     | -                       | Complies |

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.01 \text{ dBi}$ , so limit = 11 - (9.01 - 6) = 7.99 dBm/MHz.

## For outdoor use master B1

| Type | Frequency             | Power Density<br>(dBm/MHz) | 10log(500kHz/RBW)<br>Factor (dB) | Power Density<br>(dBm/500kHz) | Power Density Limit<br>(dBm/500kHz) | Max. Limit<br>(dBm/MHz) | Result   |
|------|-----------------------|----------------------------|----------------------------------|-------------------------------|-------------------------------------|-------------------------|----------|
| 1    | 5210 MHz              | -7.33                      | -                                |                               |                                     | 13.99                   | Complies |
|      | 5530 MHz              | -7.77                      |                                  |                               |                                     | 7.99                    | Complies |
| 2    | 5210 MHz              | -7.50                      |                                  |                               |                                     | 13.99                   | Complies |
|      | 5610 MHz              | -8.08                      |                                  |                               |                                     | 7.99                    | Complies |
| 3    | 5210 MHz              | -7.47                      |                                  |                               |                                     | 13.99                   | Complies |
|      | 5690 MHz<br>(UNII 2C) | -6.97                      |                                  |                               |                                     | 7.99                    | Complies |
|      | 5690 MHz<br>(UNII 3)  | -8.18                      | -3.01                            | -11.19                        | 26.99                               | -                       | Complies |
| 4    | 5210 MHz              | -7.42                      | -                                |                               |                                     | 13.99                   | Complies |
|      | 5775 MHz              | -7.77                      | -3.01                            | -10.78                        | 26.99                               | -                       | Complies |
| 13   | 5210 MHz              | -7.59                      | -                                |                               |                                     | 13.99                   | Complies |
|      | 5290 MHz              | -8.01                      |                                  |                               |                                     | 7.99                    | Complies |

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.01 \text{ dBi}$ , so limit = 17-(9.01-6) = 13.99dBm/MHz.

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.01 \text{ dBi}$ , so limit = 11-(9.01-6) = 7.99dBm/MHz.

Note:  $DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right] = 9.01 \text{ dBi}$ , so limit = 30-(9.01-6) = 26.99dBm/500kHz.

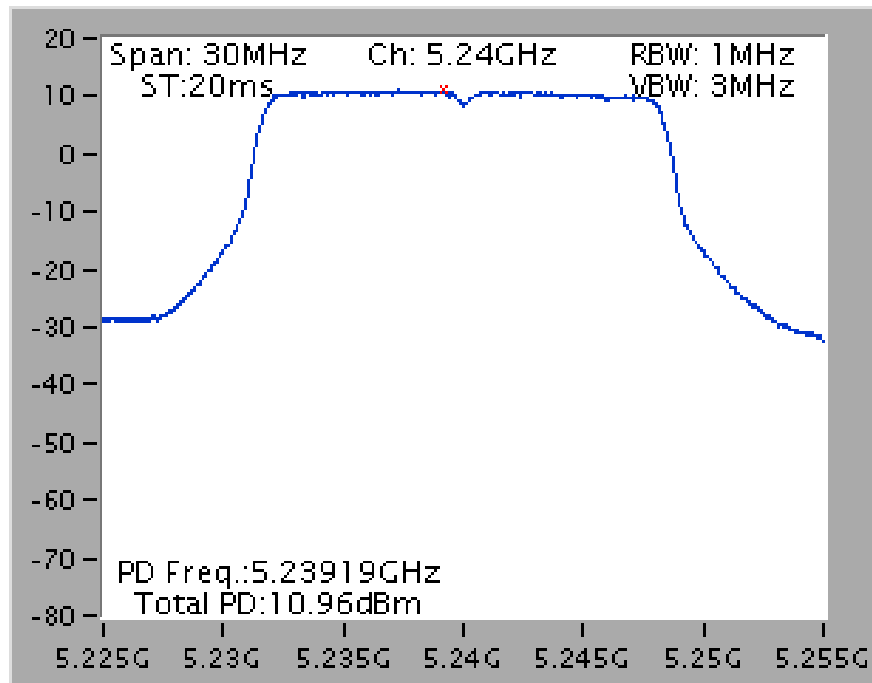
Note: All the test values were listed in the report.

For plots, only the channel with worse result was shown.

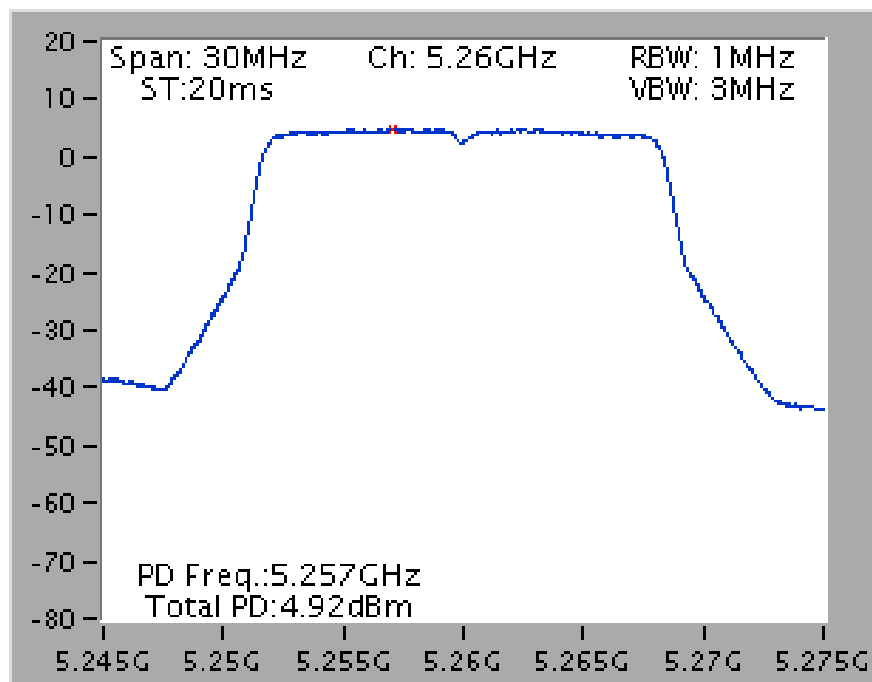
For non-beamforming mode

For indoor use master B1 and indoor, outdoor use B2~B4

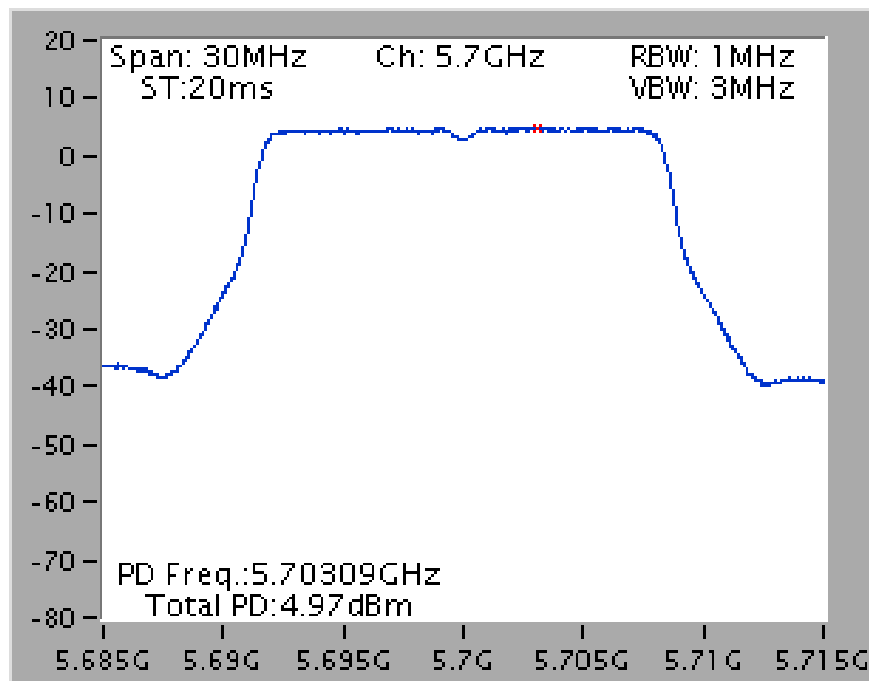
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5240 MHz



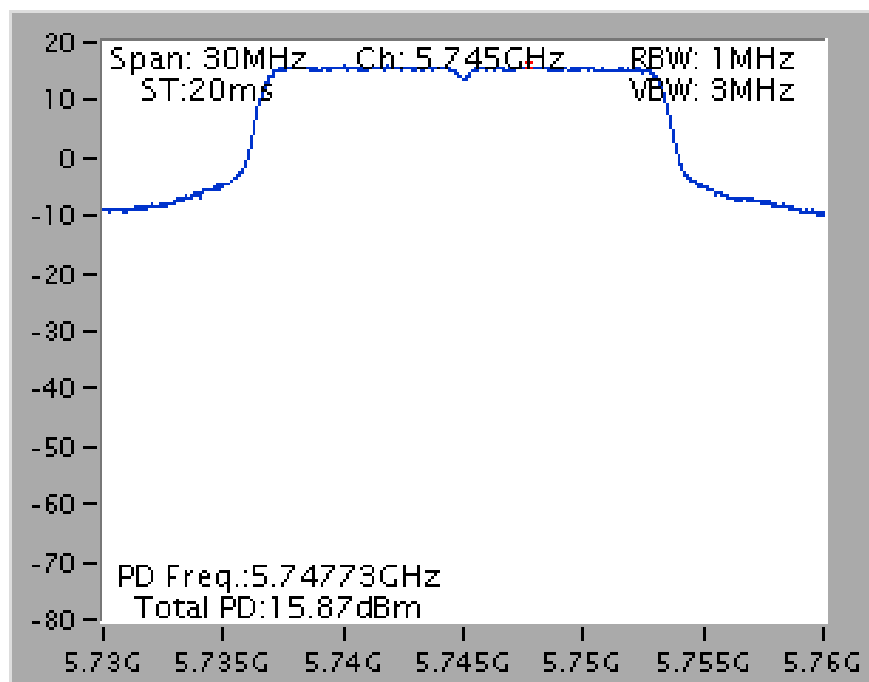
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5260 MHz



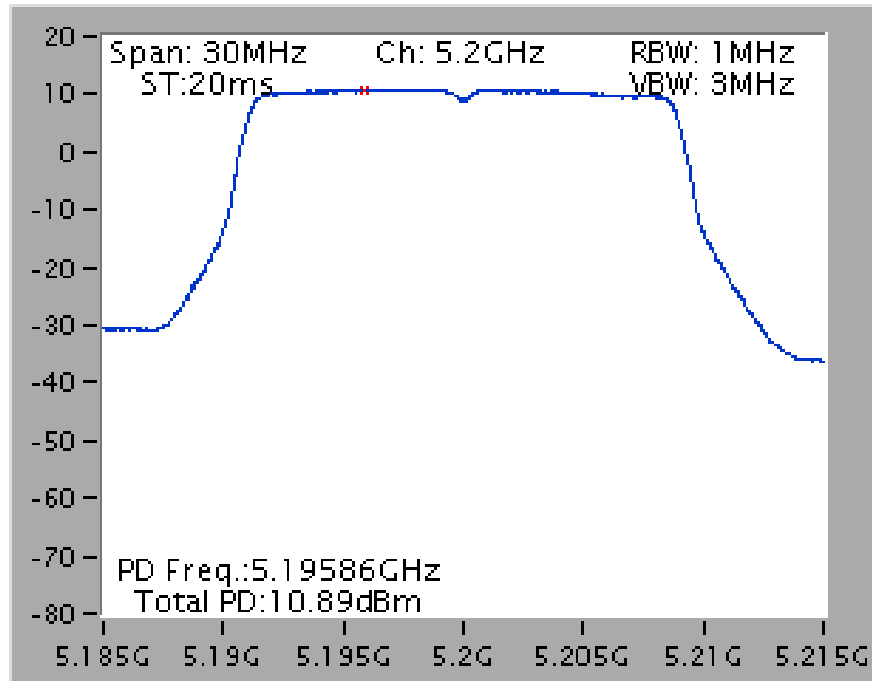
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5700 MHz



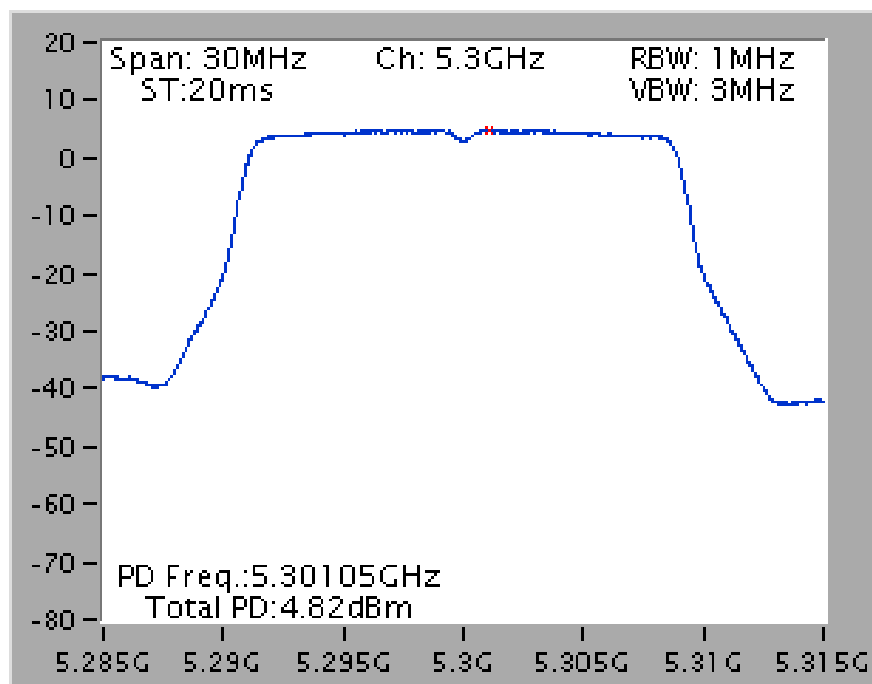
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5745 MHz



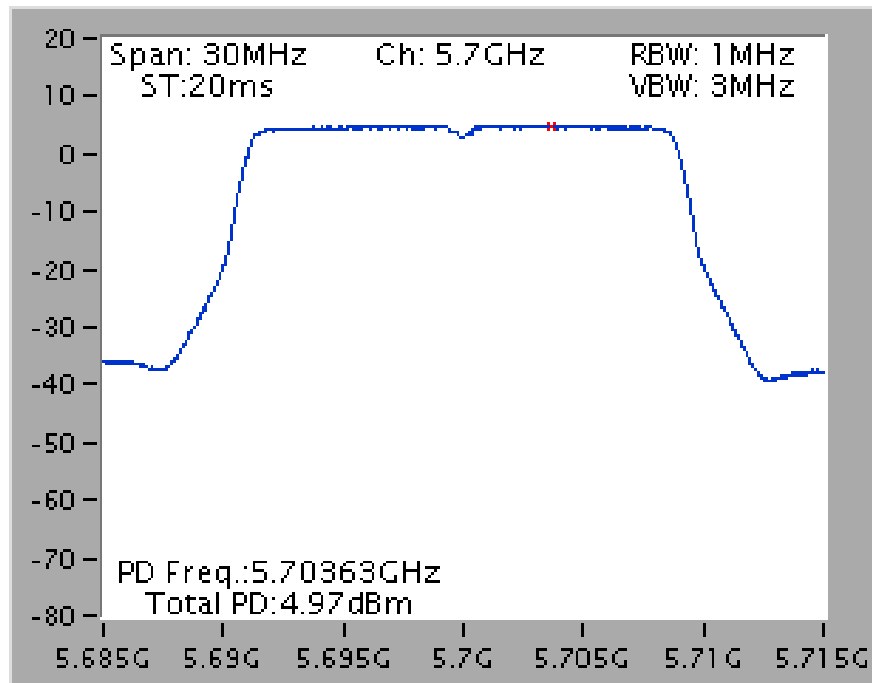
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5200 MHz



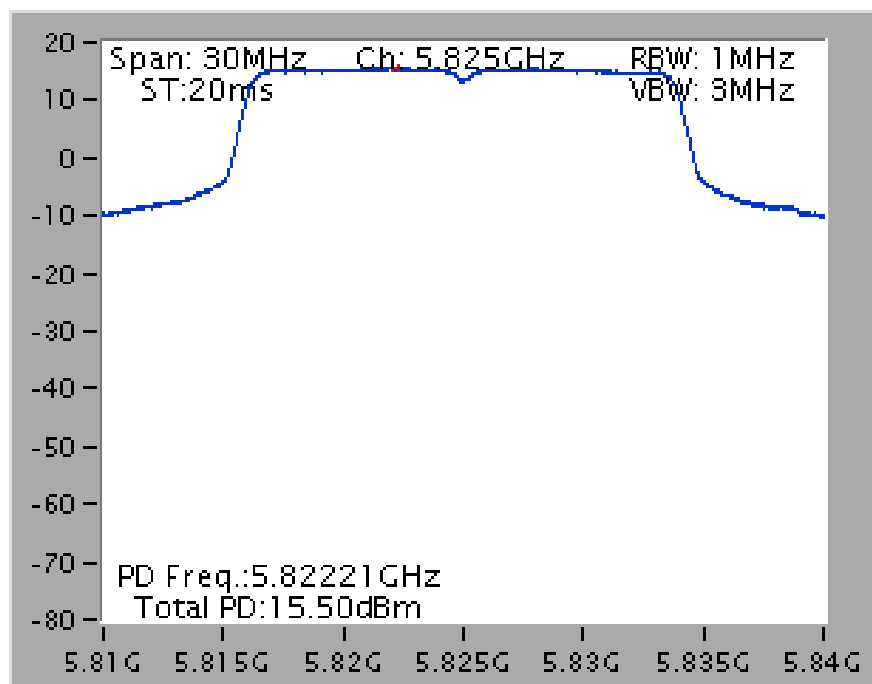
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5300 MHz



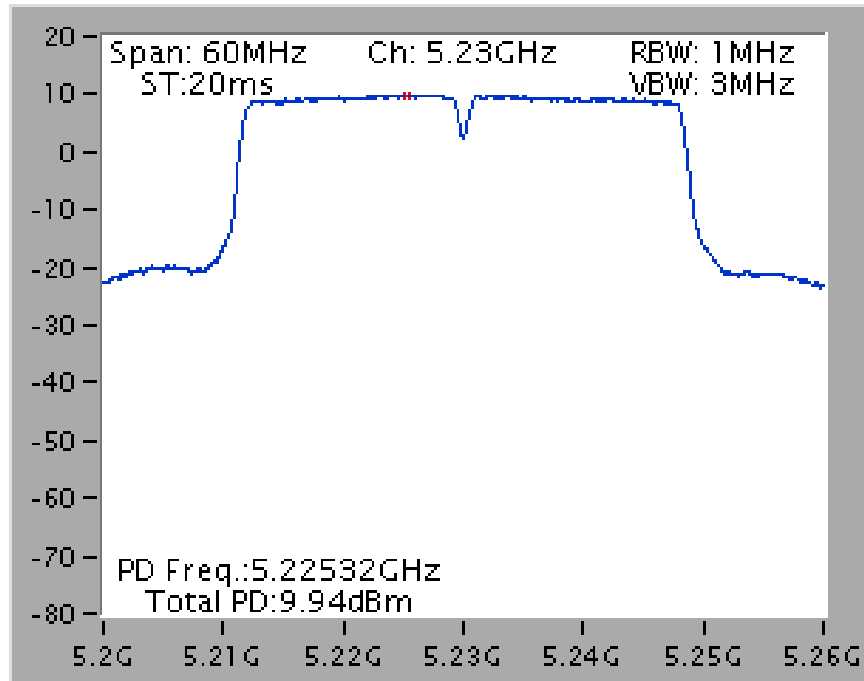
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5700 MHz**



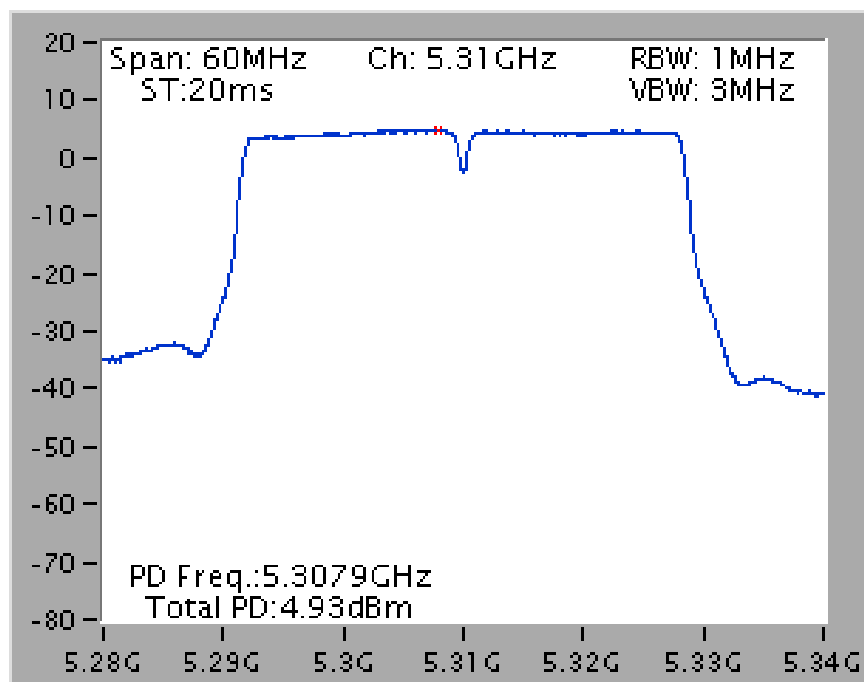
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5825 MHz**



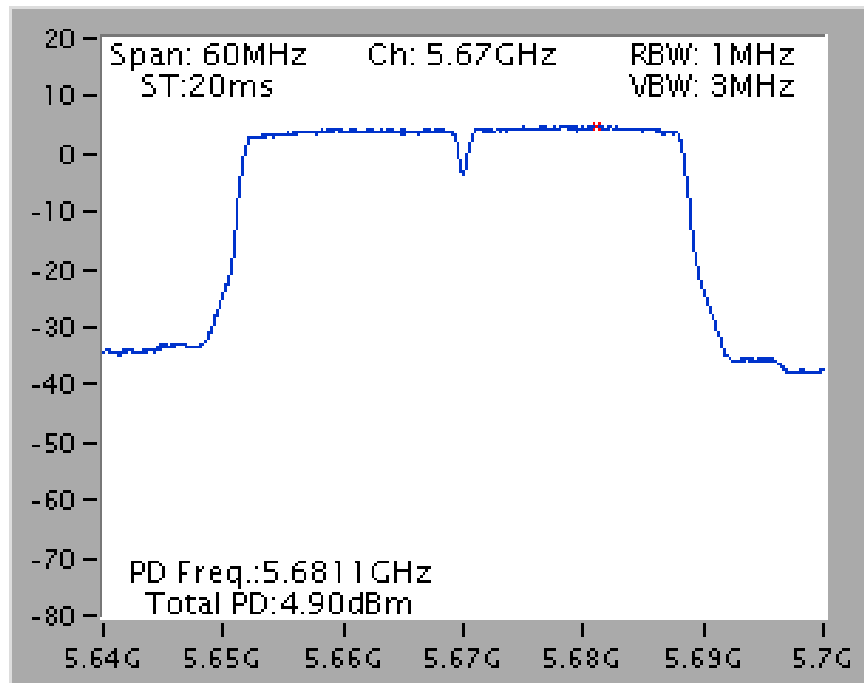
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5230 MHz



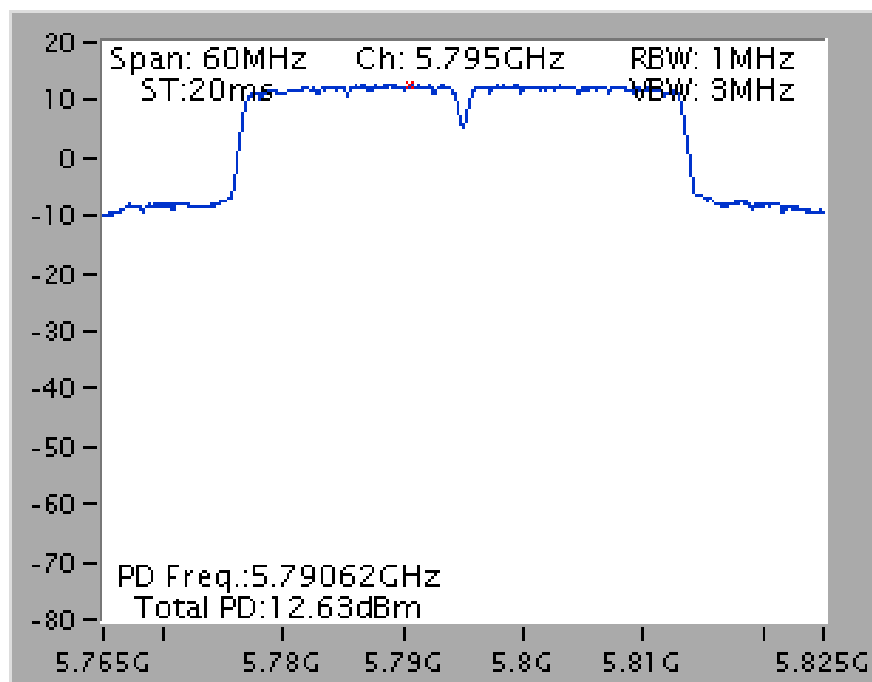
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5310 MHz



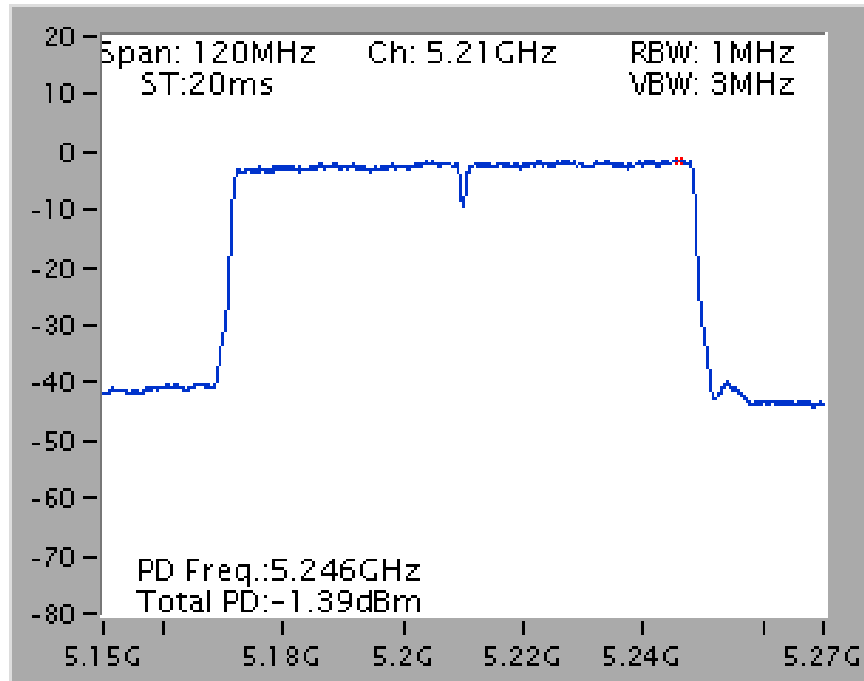
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5670 MHz



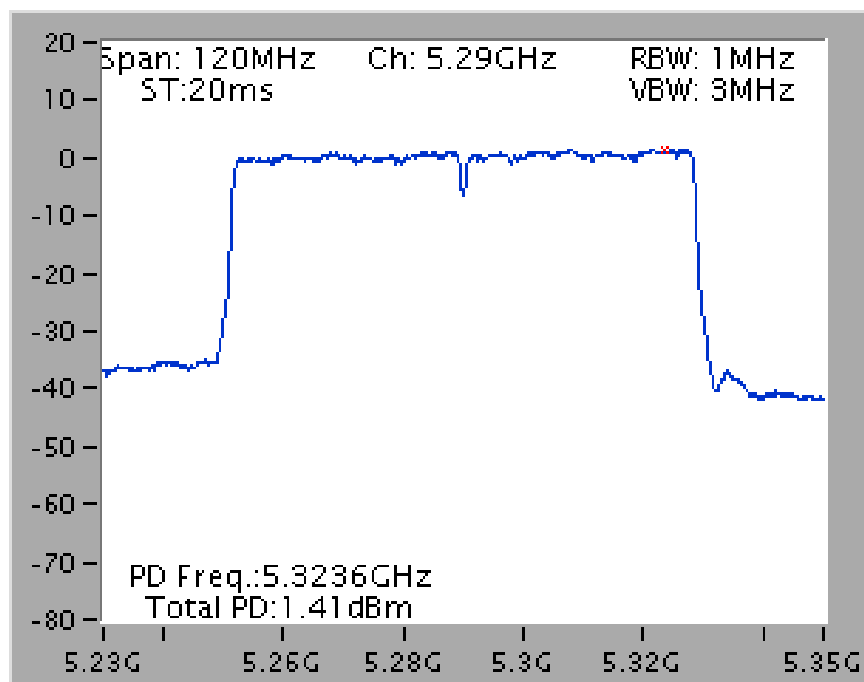
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5795 MHz



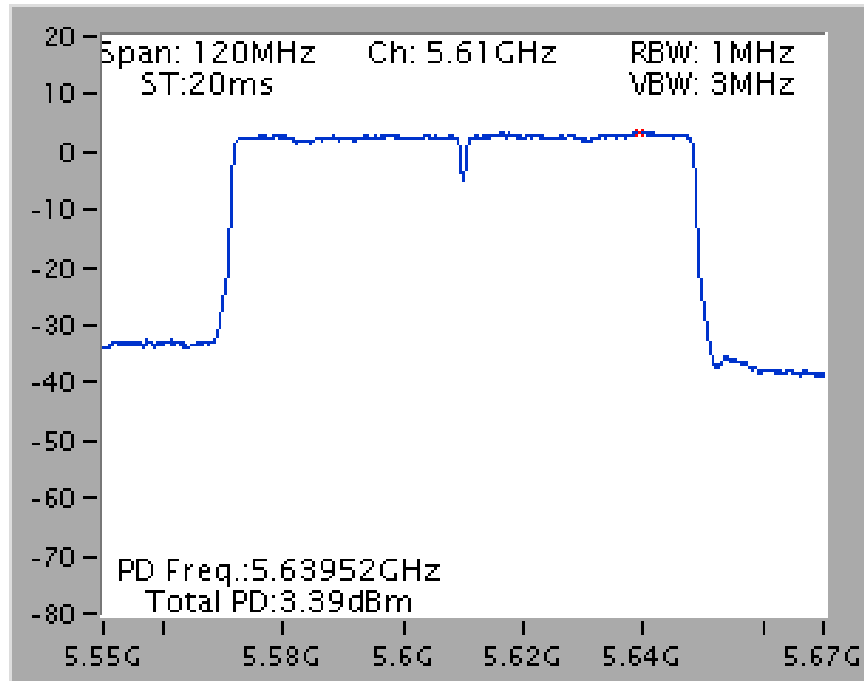
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5210 MHz



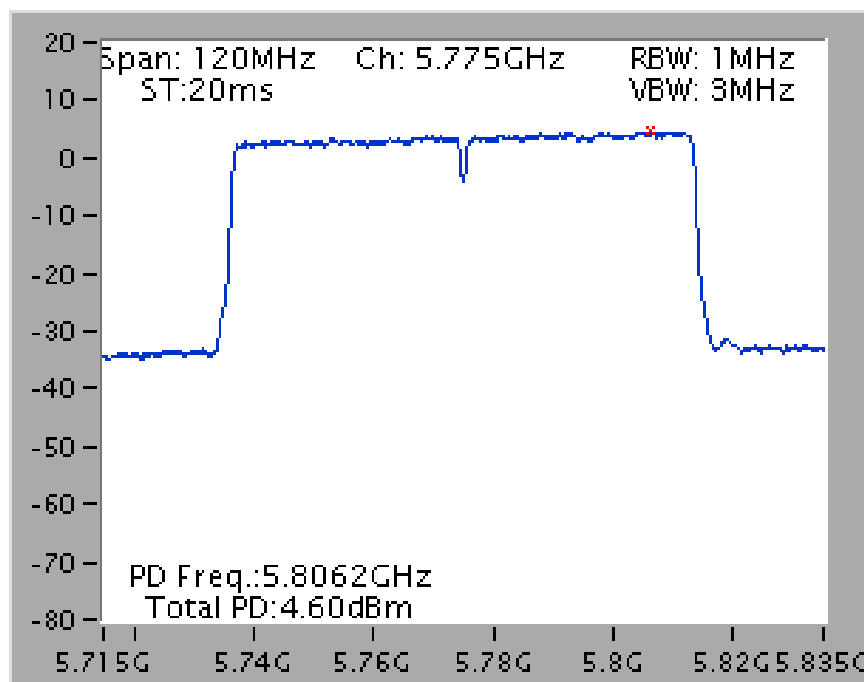
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5290 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5610 MHz

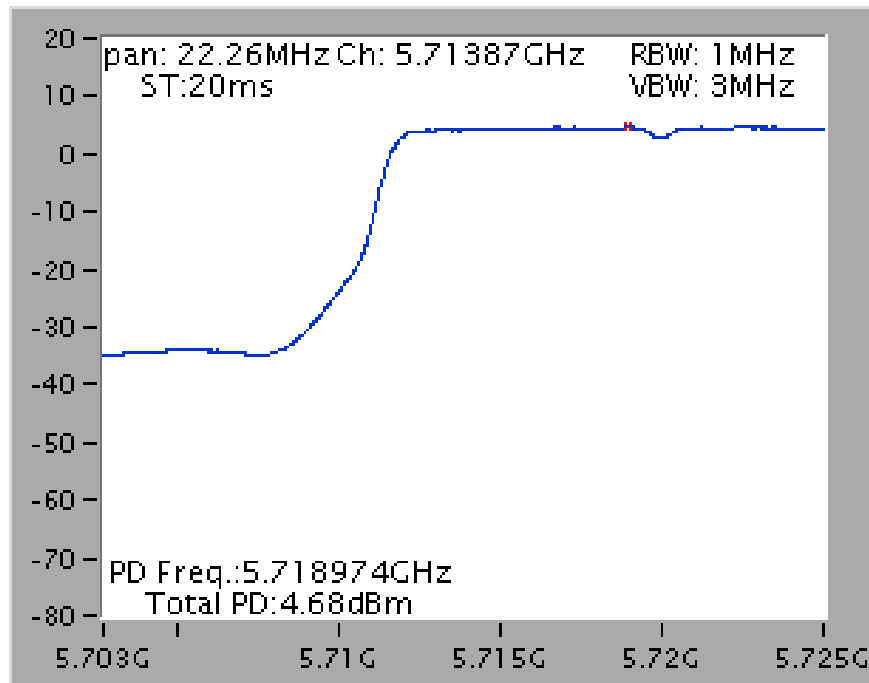


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5775 MHz

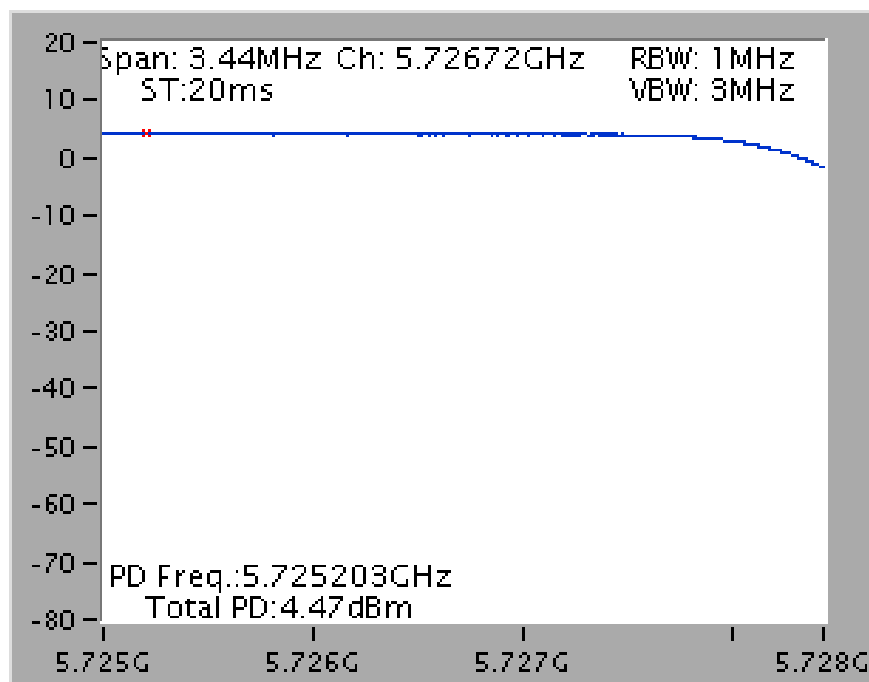


**Straddle Channel**

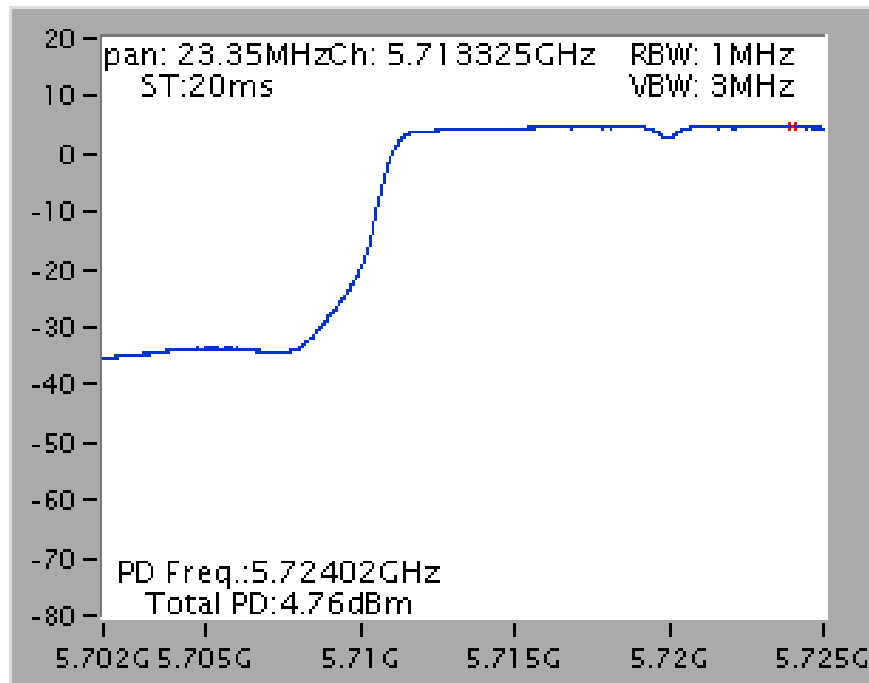
**Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz (UNII 2C)**



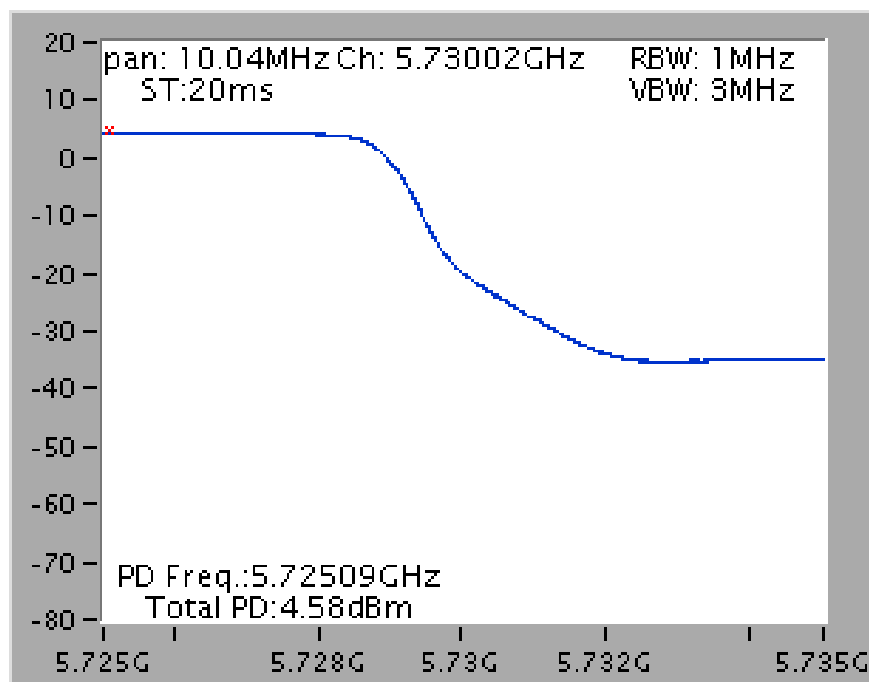
**Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz (UNII 3)**



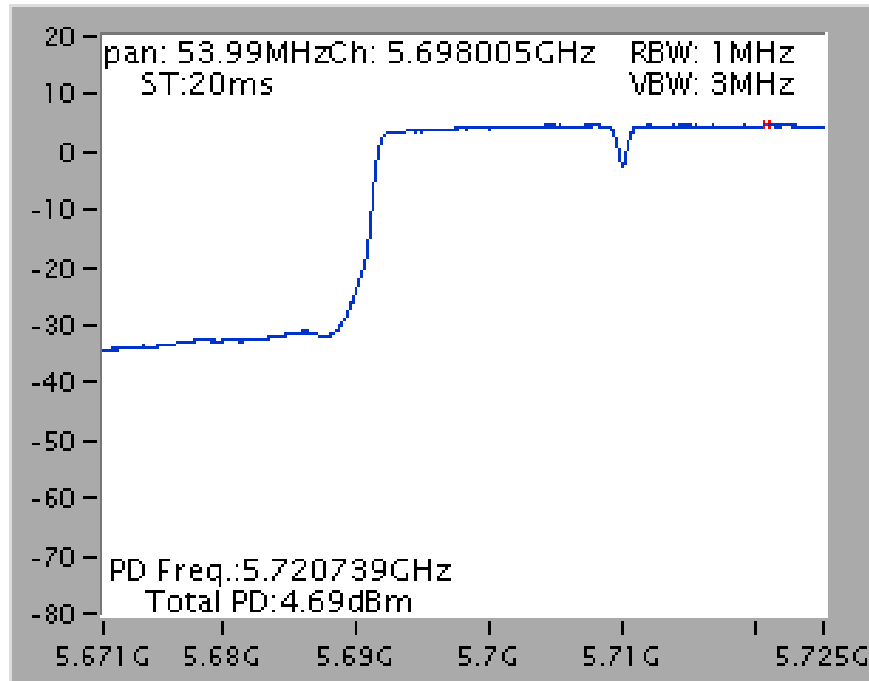
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz (UNII 2C)



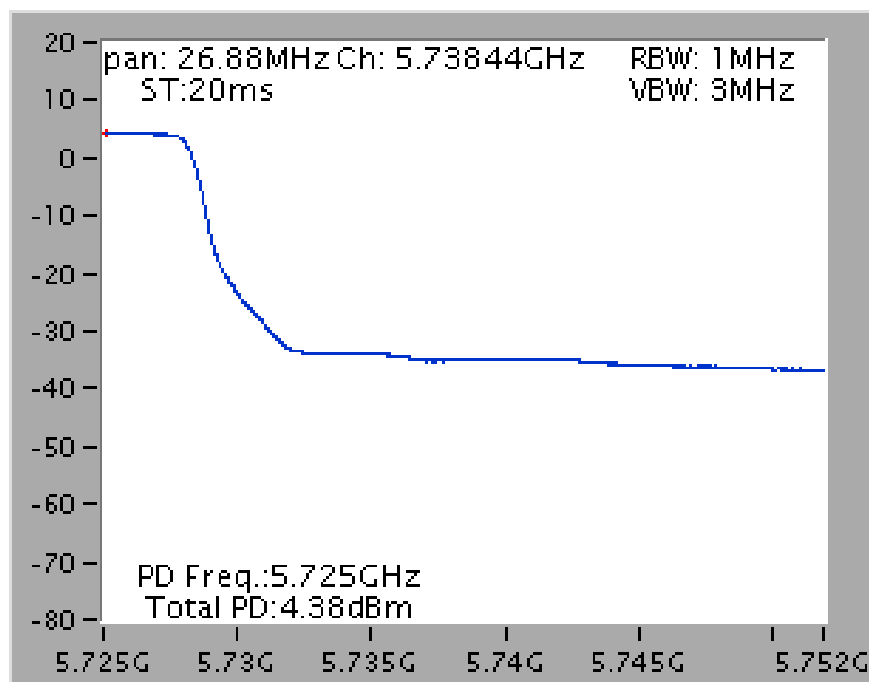
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz (UNII 3)



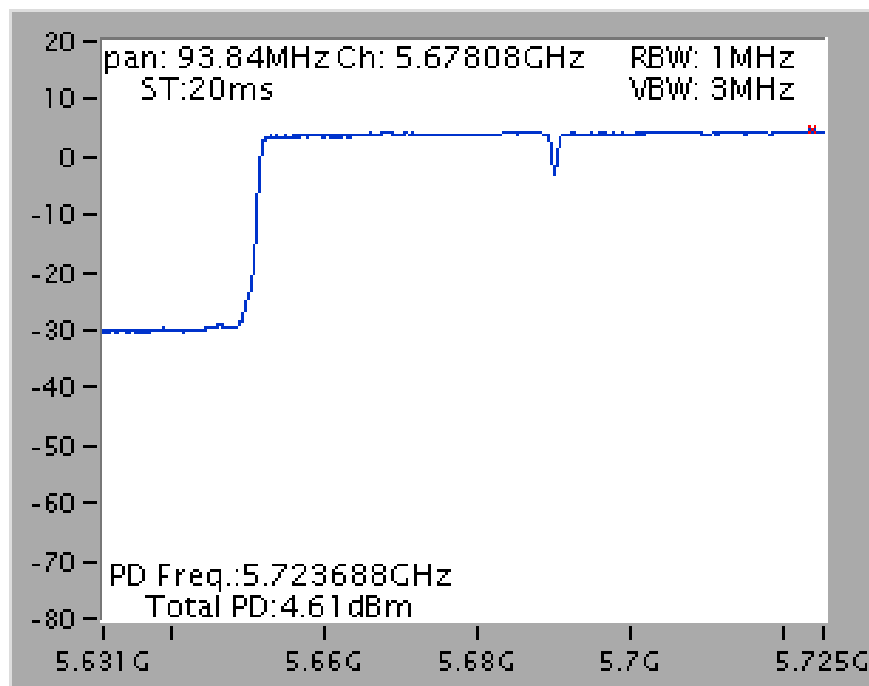
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5710 MHz (UNII 2C)



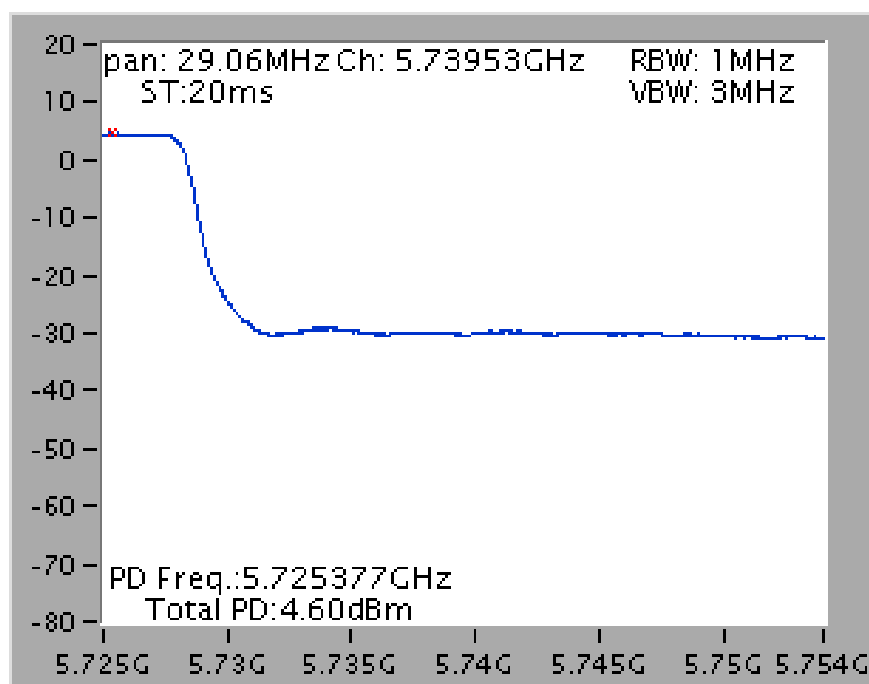
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5710 MHz (UNII 3)



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5690 MHz (UNII 2C)

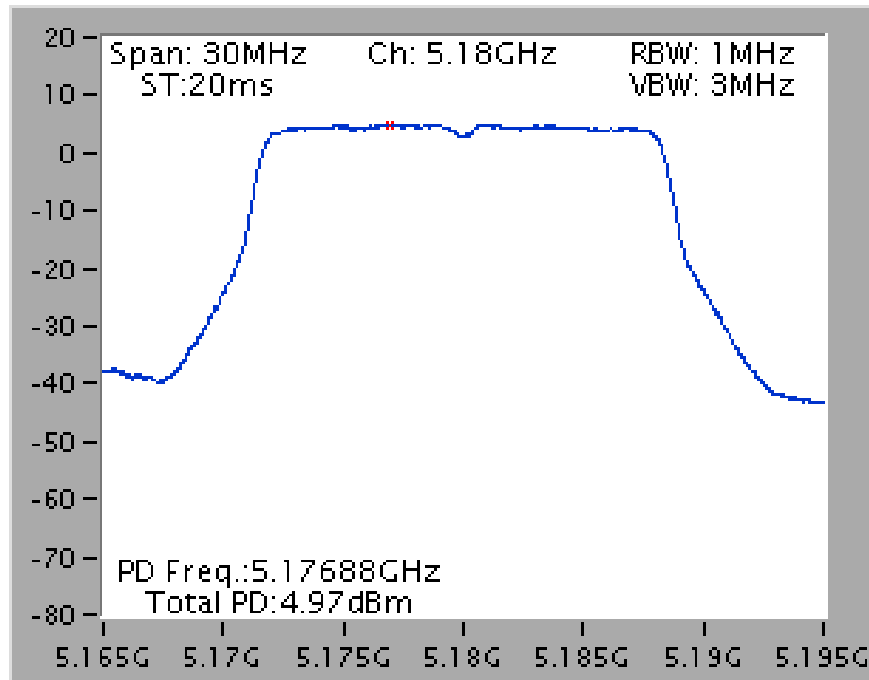


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5690 MHz (UNII 3)

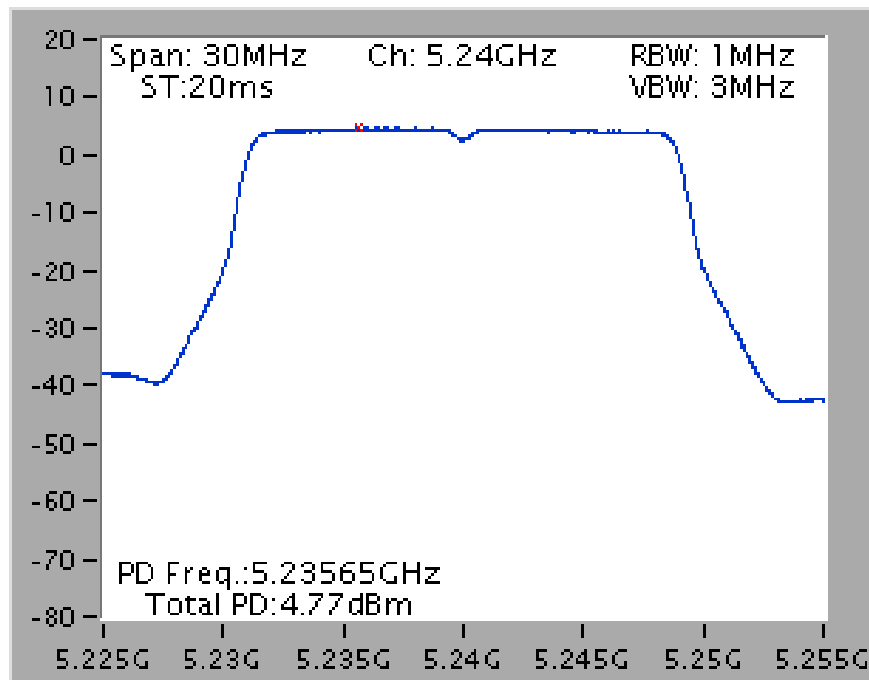


For indoor use slave without radar detection B1

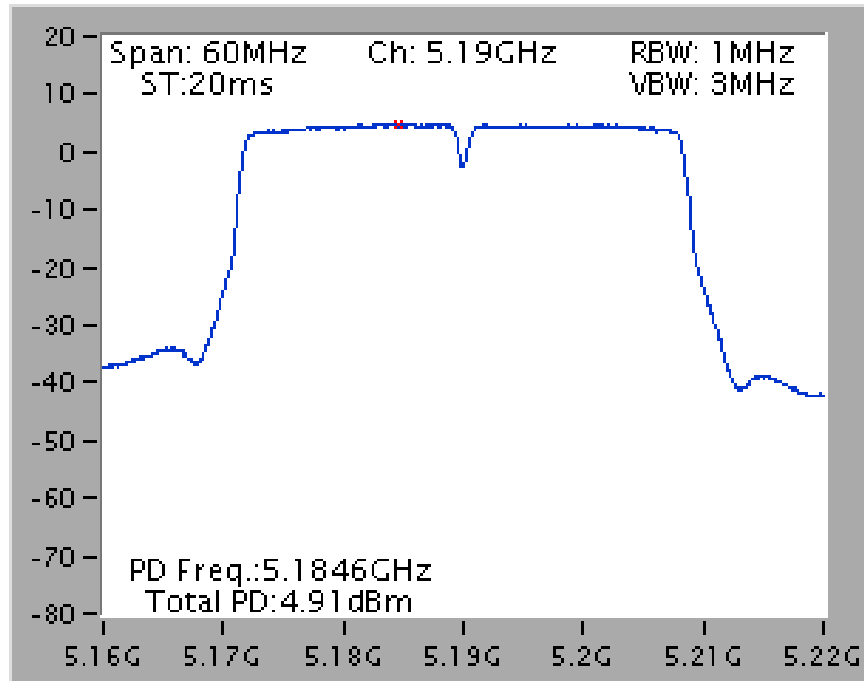
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5180 MHz



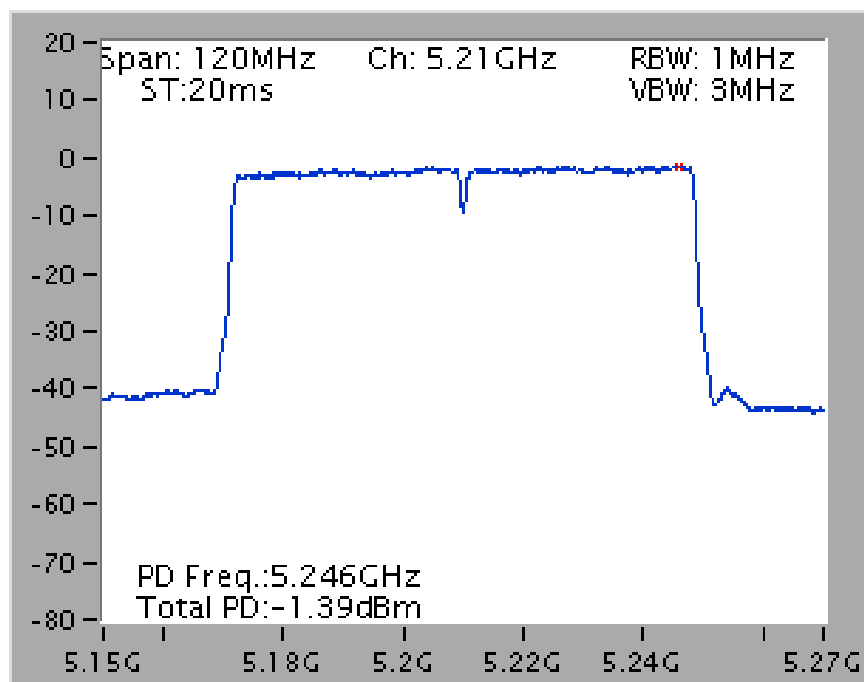
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5240 MHz



**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5190 MHz**

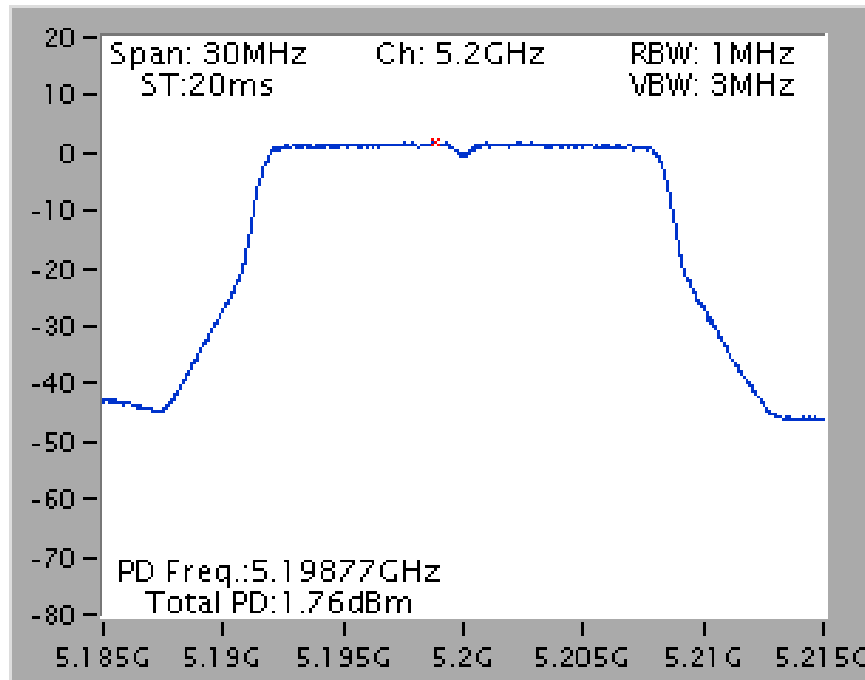


**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5210 MHz**

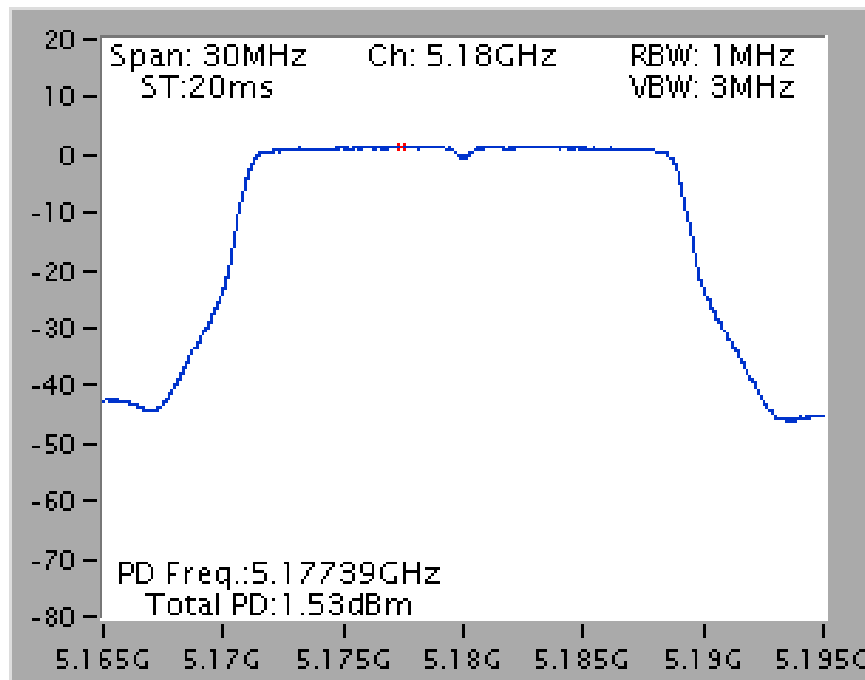


For outdoor use master B1

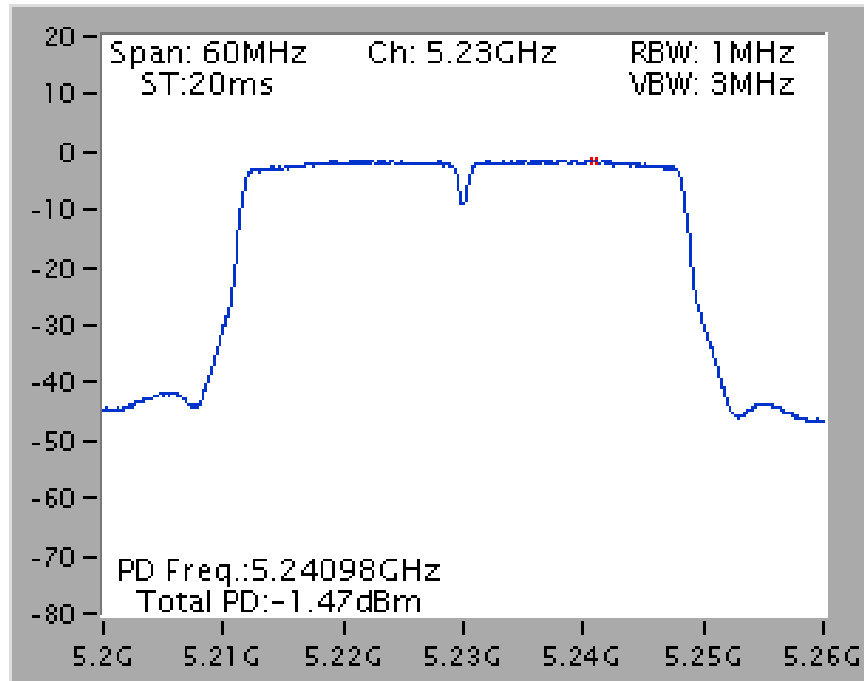
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5200 MHz



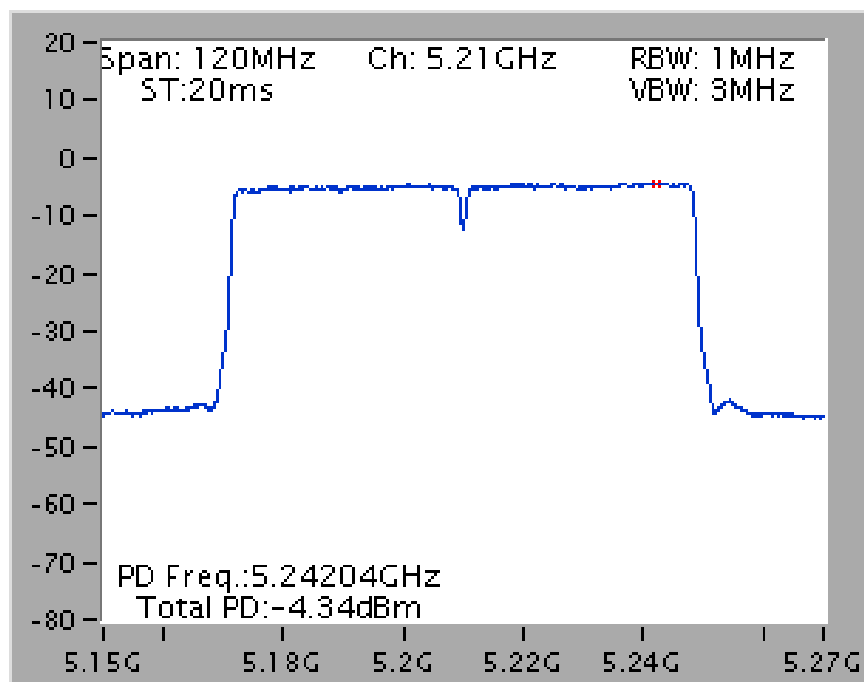
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5180 MHz



**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5230 MHz**



**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5210 MHz**

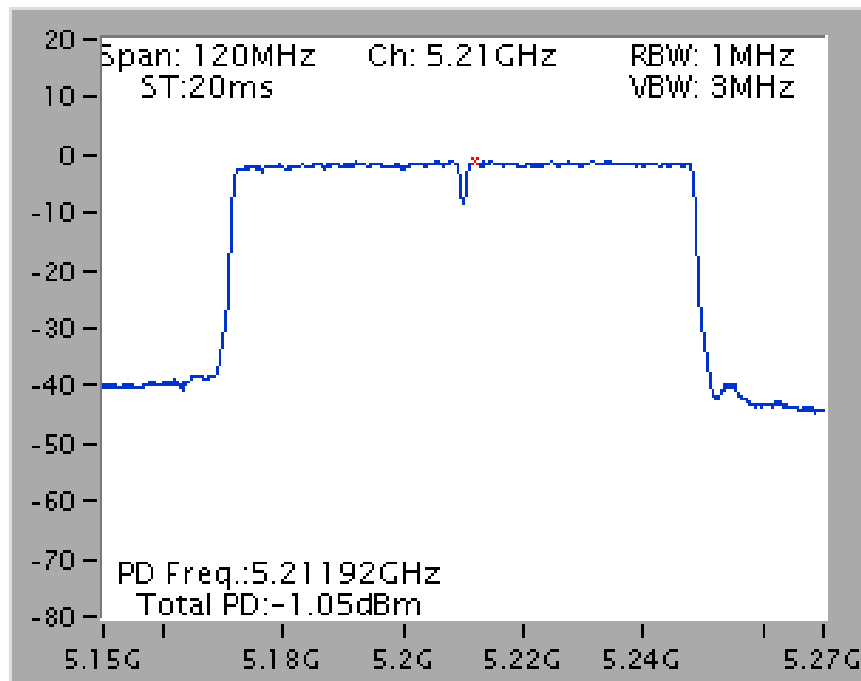


## 802.11ac MCS0/Nss2 VHT80+80

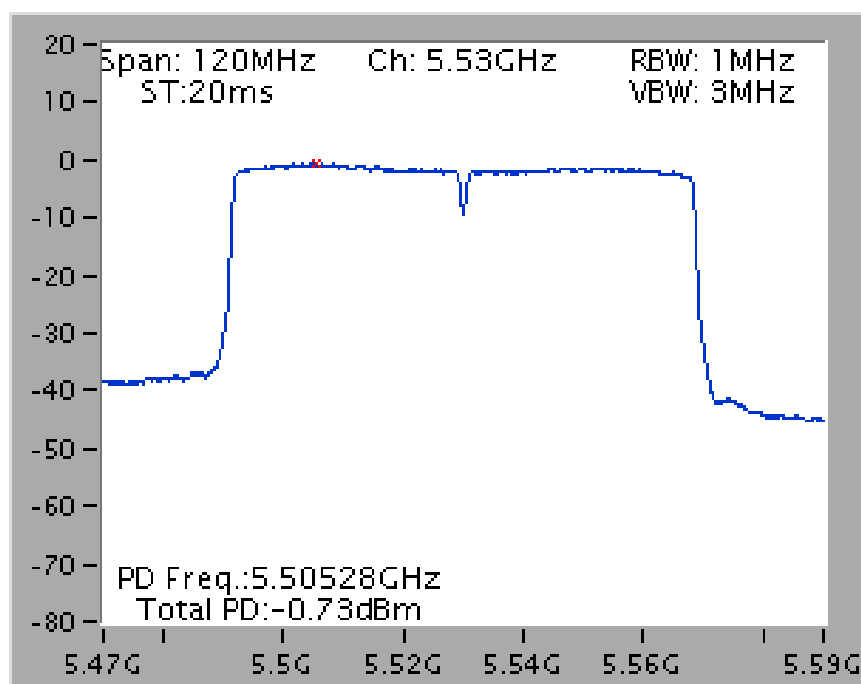
For indoor use master and slave without radar detection type1~4 and type13

### Type 1

Power Density Plot on Chain 1 + Chain 2 / 5210 MHz

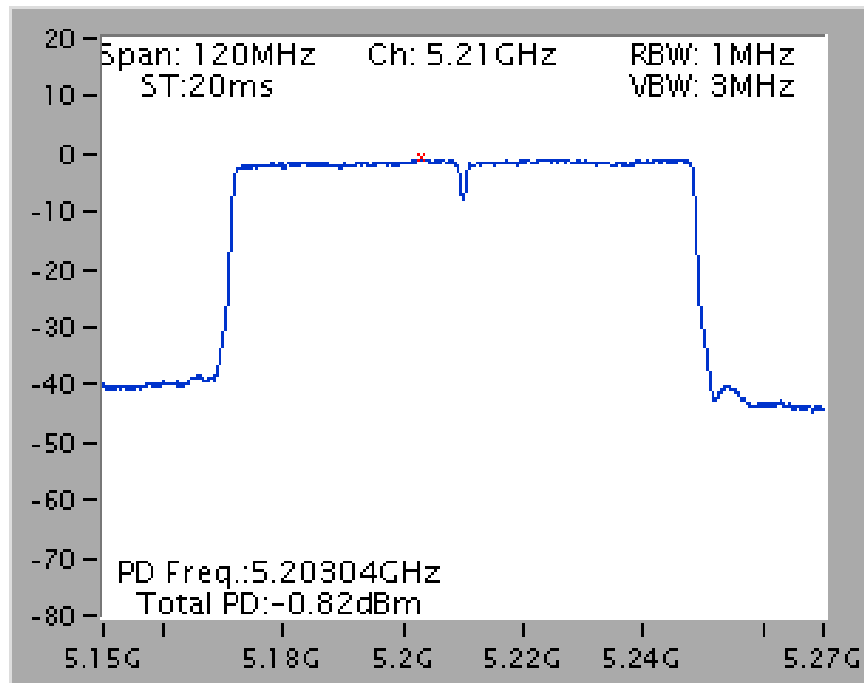


Power Density Plot on Chain 3 + Chain 4 / 5530 MHz

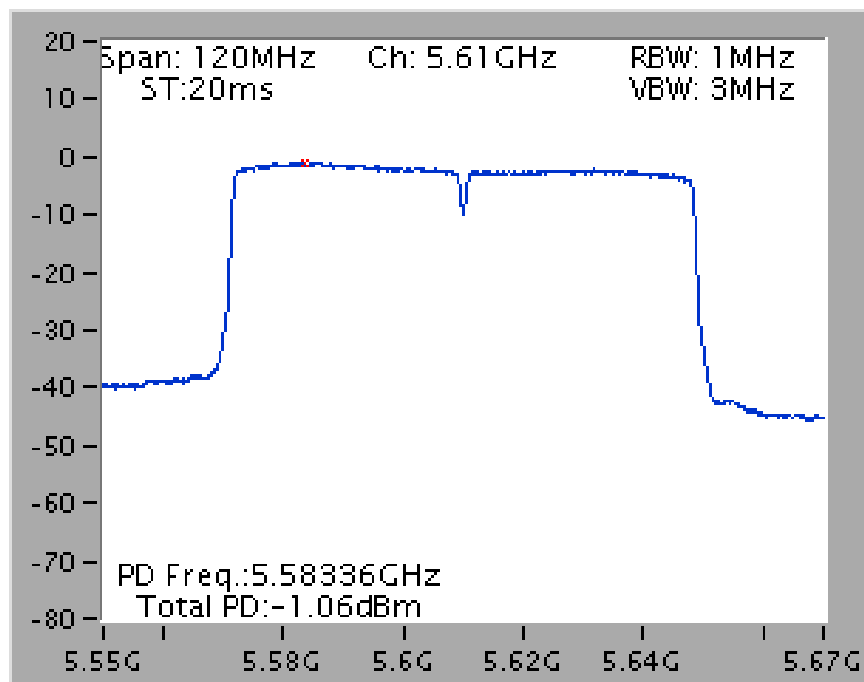


Type 2

Power Density Plot on Chain 1 + Chain 2 / 5210 MHz

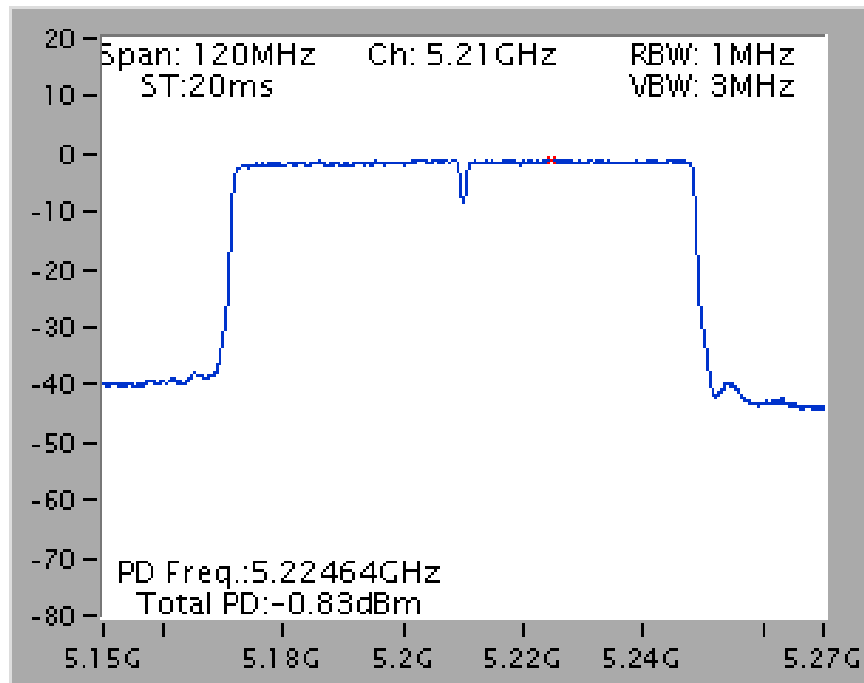


Power Density Plot on Chain 3 + Chain 4 / 5610 MHz

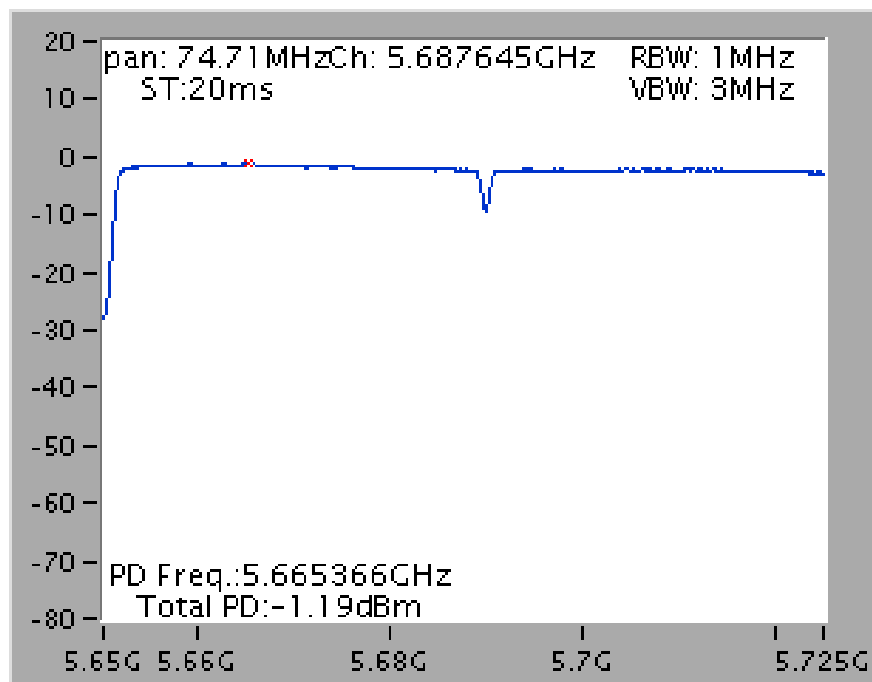


Type 3

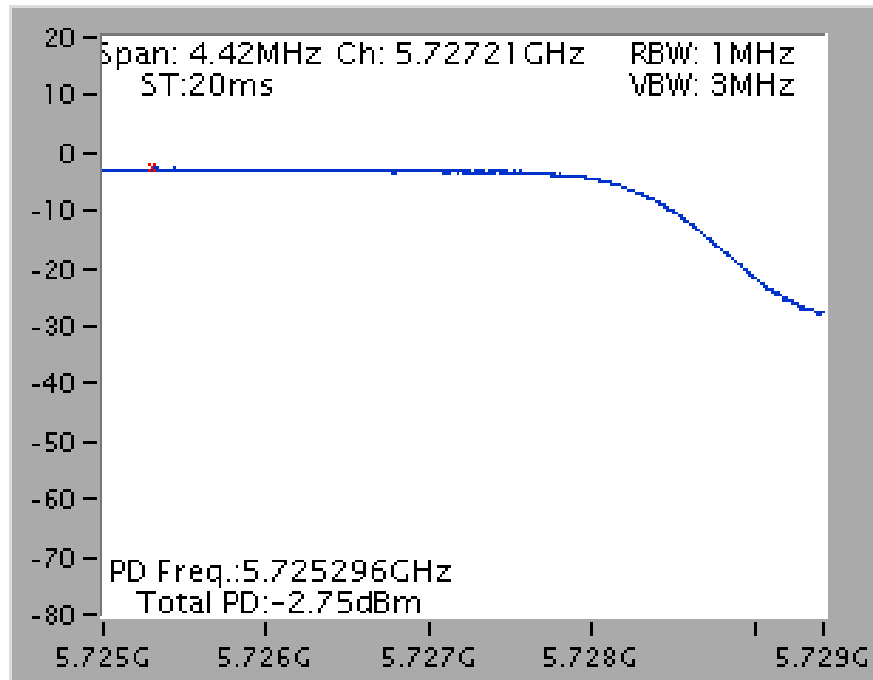
Power Density Plot on Chain 1 + Chain 2 / 5210 MHz



Power Density Plot on Chain 3 + Chain 4 / 5690 MHz (UNII 2C)

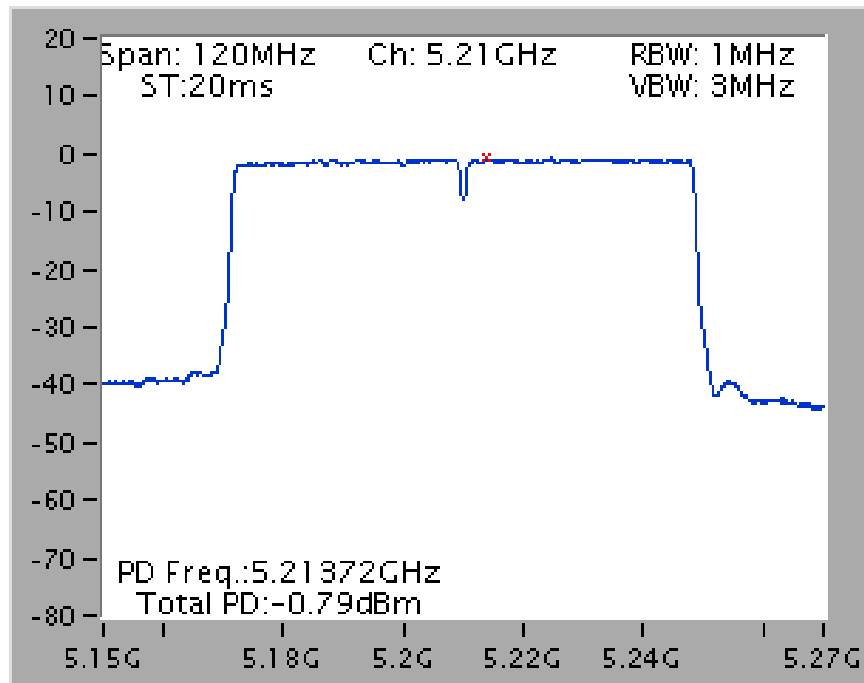


Power Density Plot on Chain 3 + Chain 4 / 5690 MHz (UNII 3)

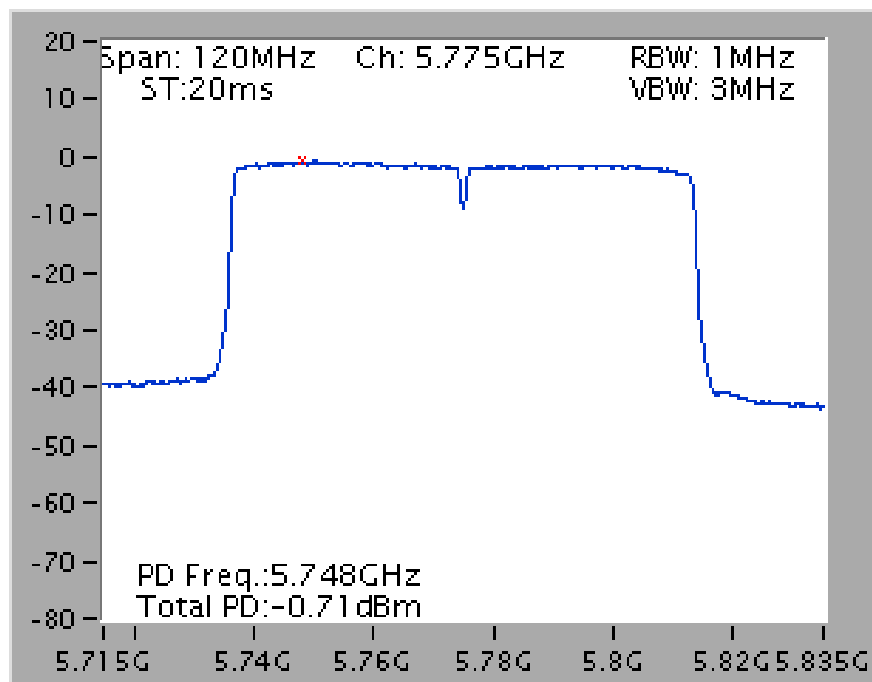


### Type 4

#### Power Density Plot on Chain 1 + Chain 2 / 5210 MHz

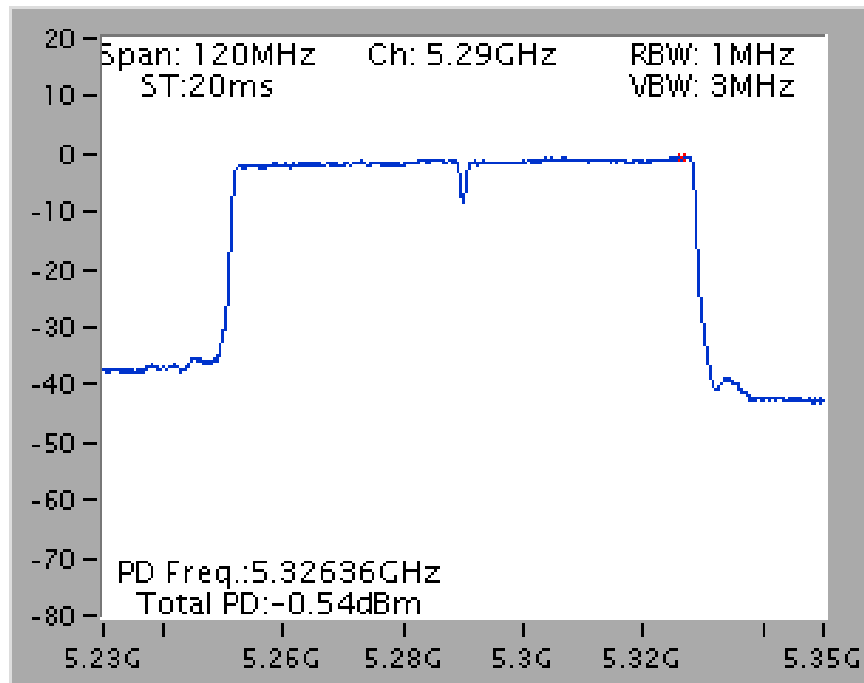


#### Power Density Plot on Chain 3 + Chain 4 / 5775 MHz

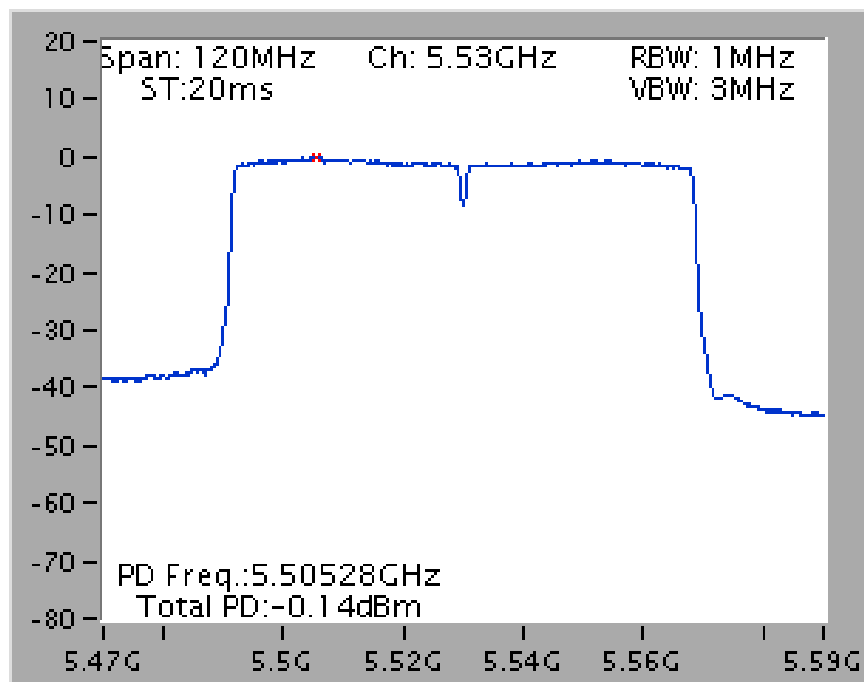


Type 5

Power Density Plot on Chain 1 + Chain 2 / 5290 MHz

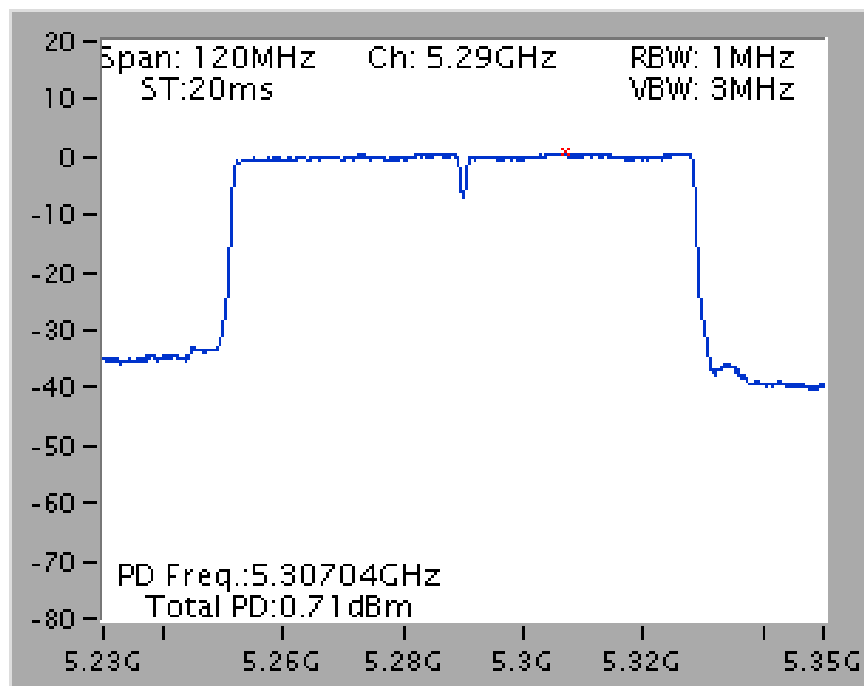


Power Density Plot on Chain 3 + Chain 4 / 5530 MHz

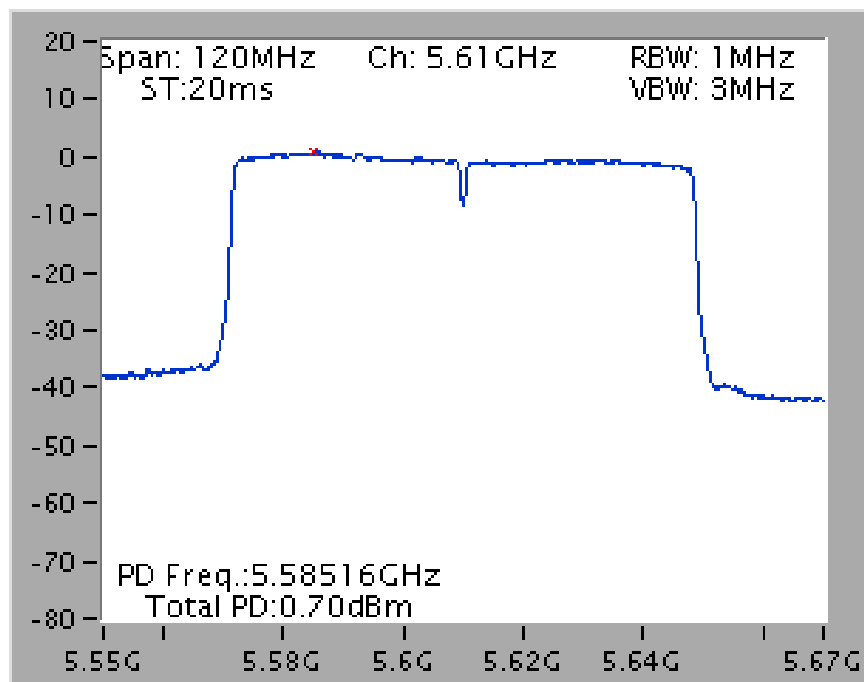


### Type 6

#### Power Density Plot on Chain 1 + Chain 2 / 5290 MHz

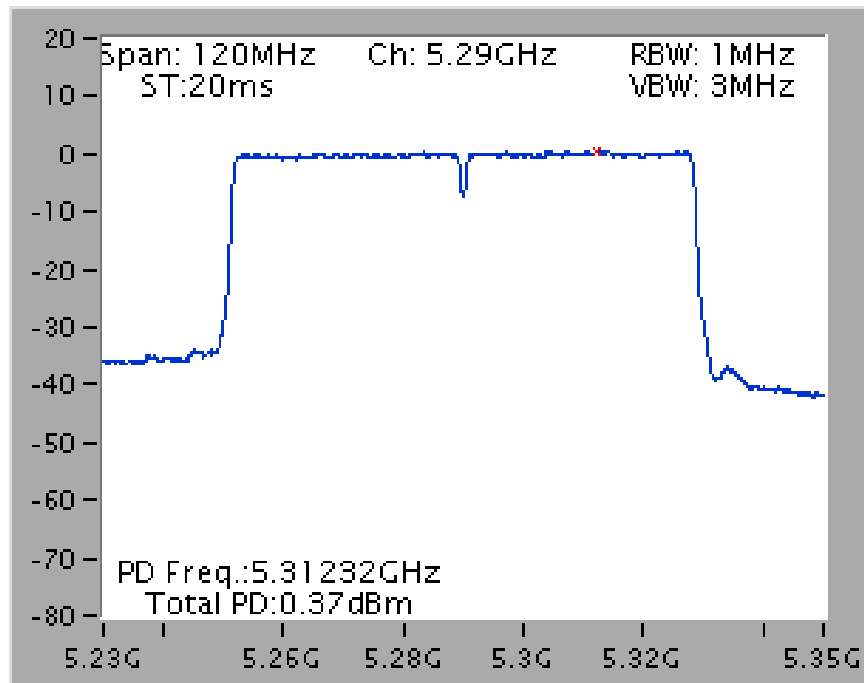


#### Power Density Plot on Chain 3 + Chain 4 / 5610 MHz

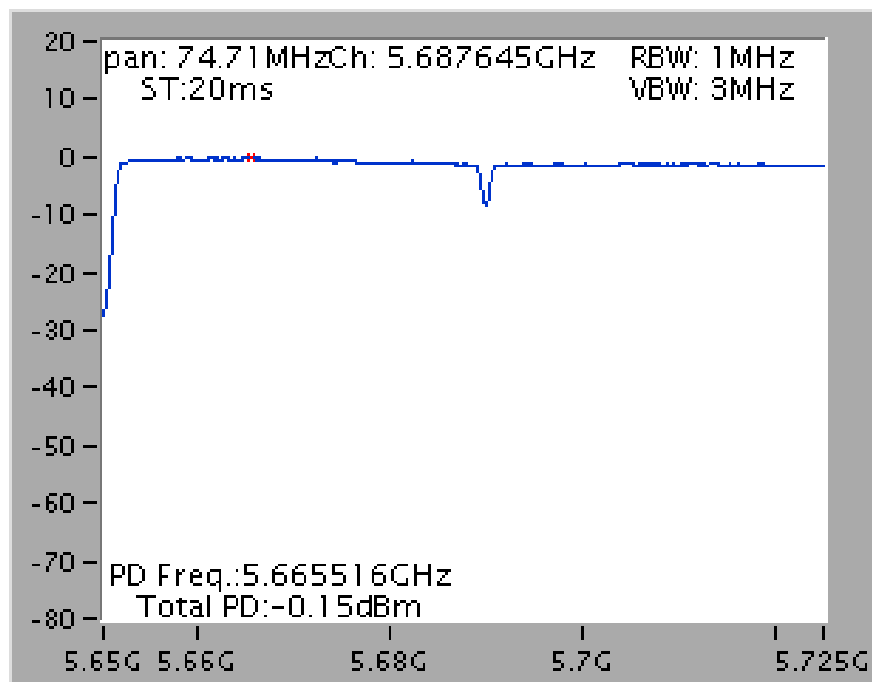


Type 7

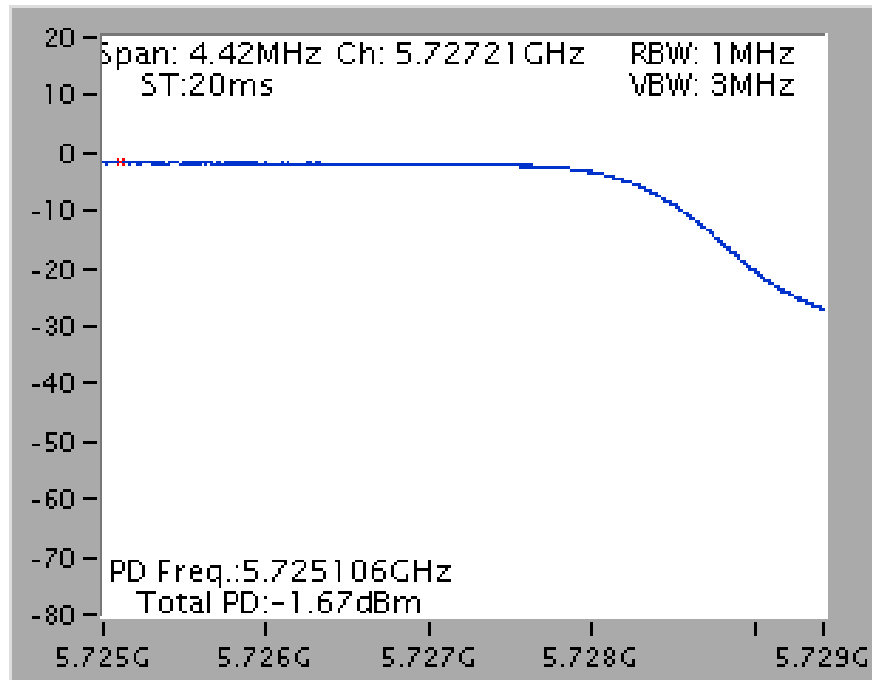
Power Density Plot on Chain 1 + Chain 2 / 5290 MHz



Power Density Plot on Chain 3 + Chain 4 / 5690 MHz (UNII 2C)

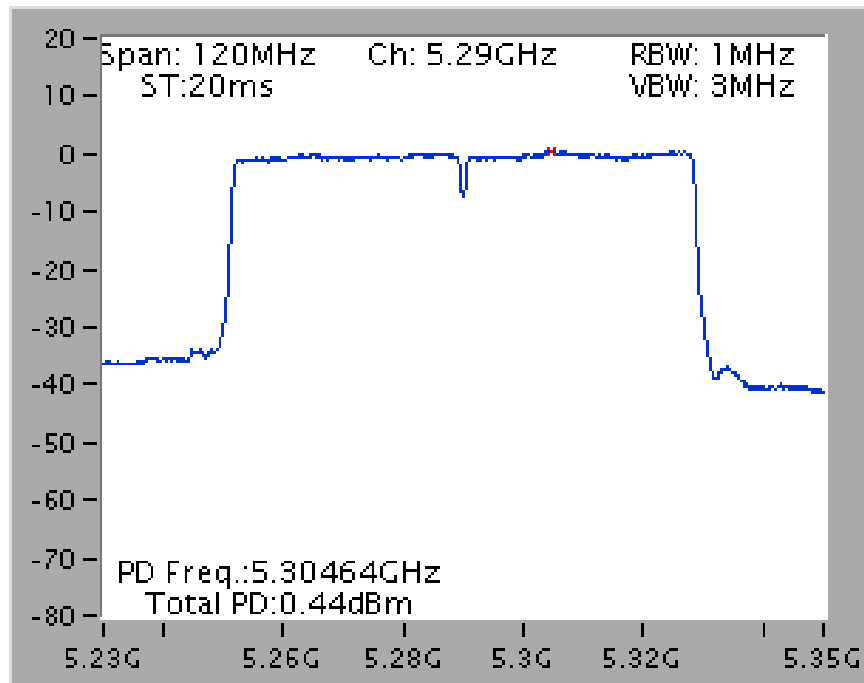


Power Density Plot on Chain 3 + Chain 4 / 5690 MHz (UNII 3)

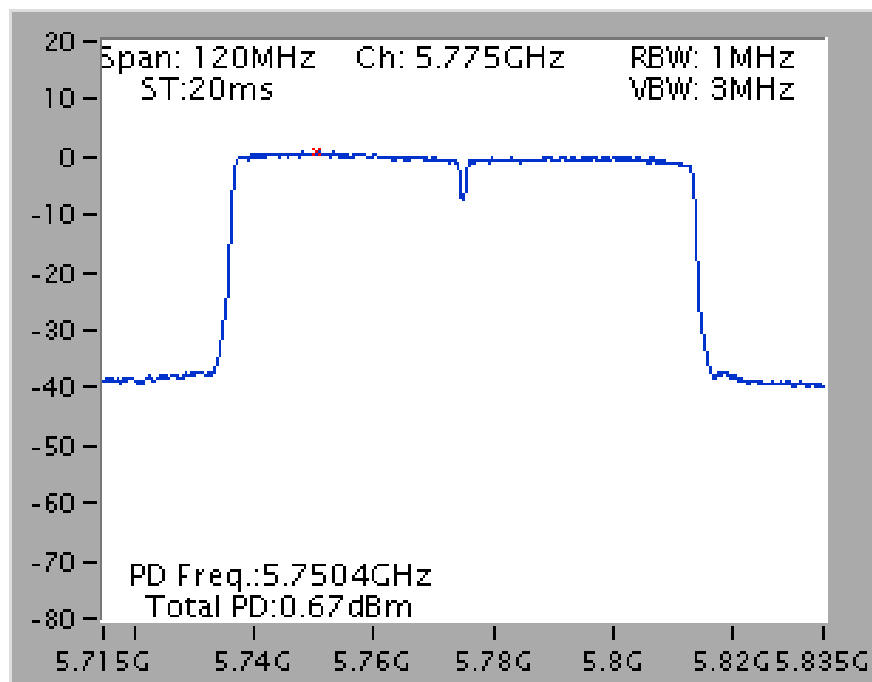


Type 8

Power Density Plot on Chain 1 + Chain 2 / 5290 MHz

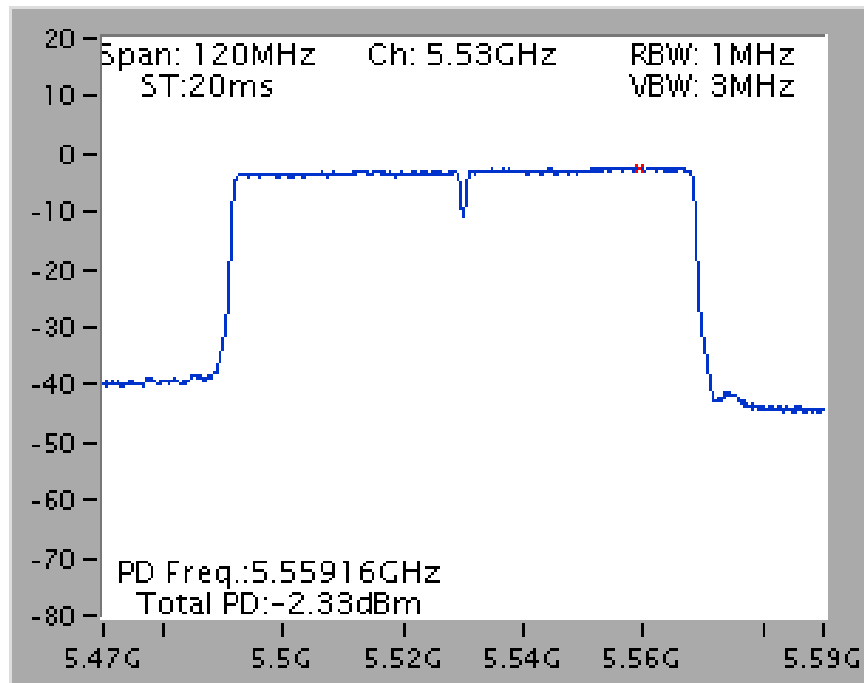


Power Density Plot on Chain 3 + Chain 4 / 5775 MHz

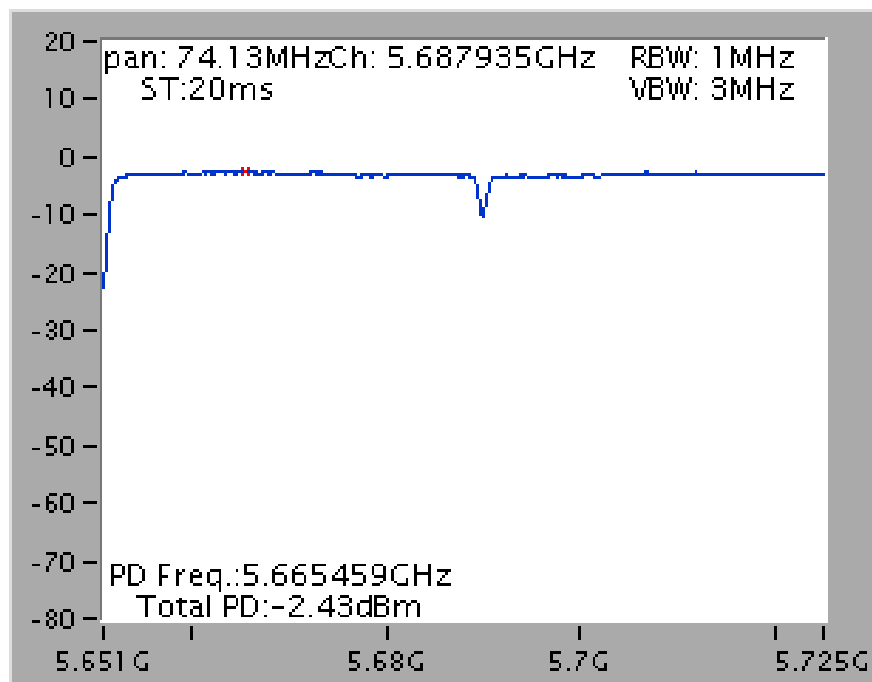


### Type 9

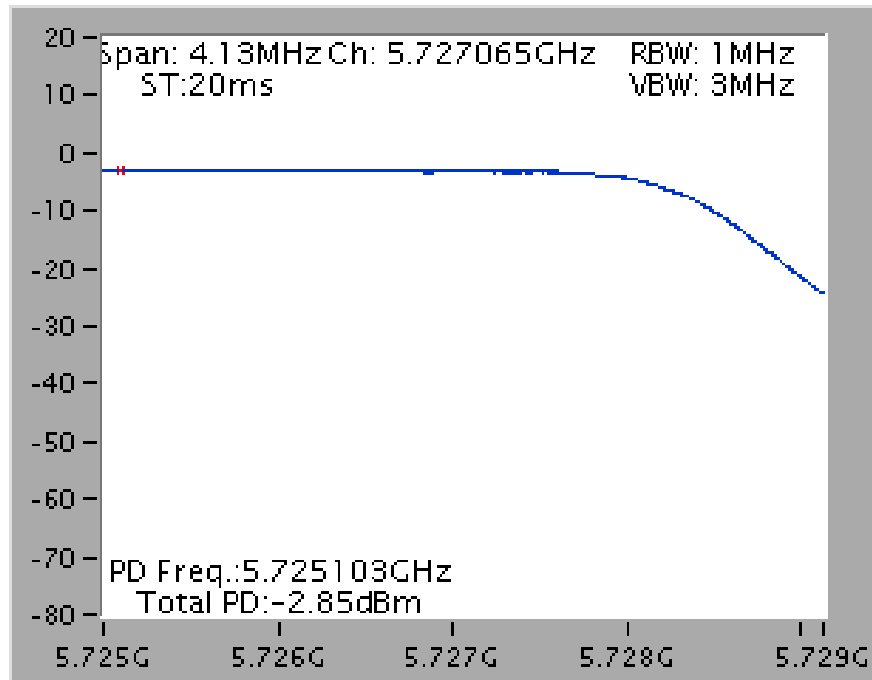
#### Power Density Plot on Chain 1 + Chain 2 / 5530 MHz



#### Power Density Plot on Chain 3 + Chain 4 / 5690 MHz (UNII 2C)

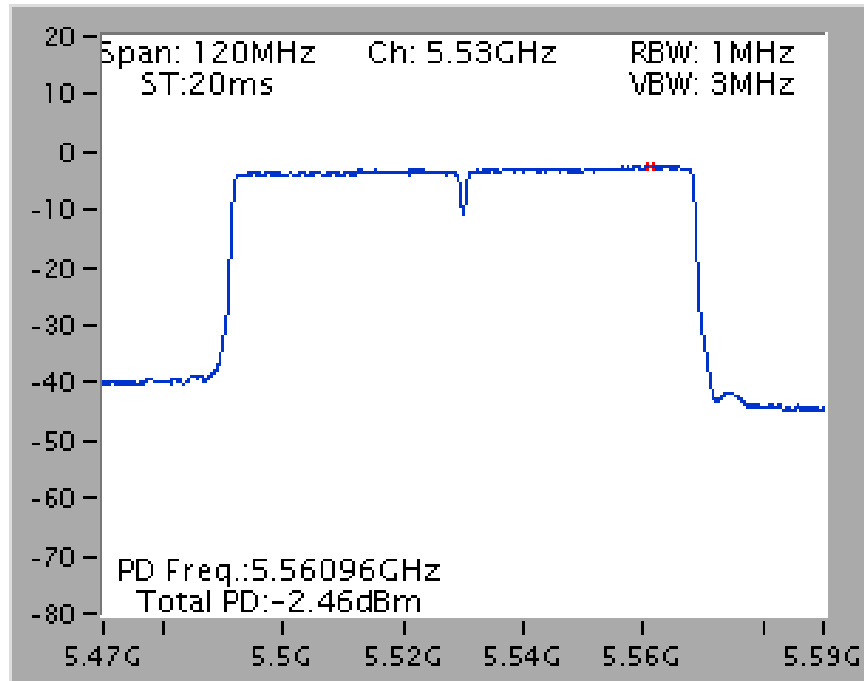


Power Density Plot on Chain 3 + Chain 4 / 5690 MHz (UNII 3)

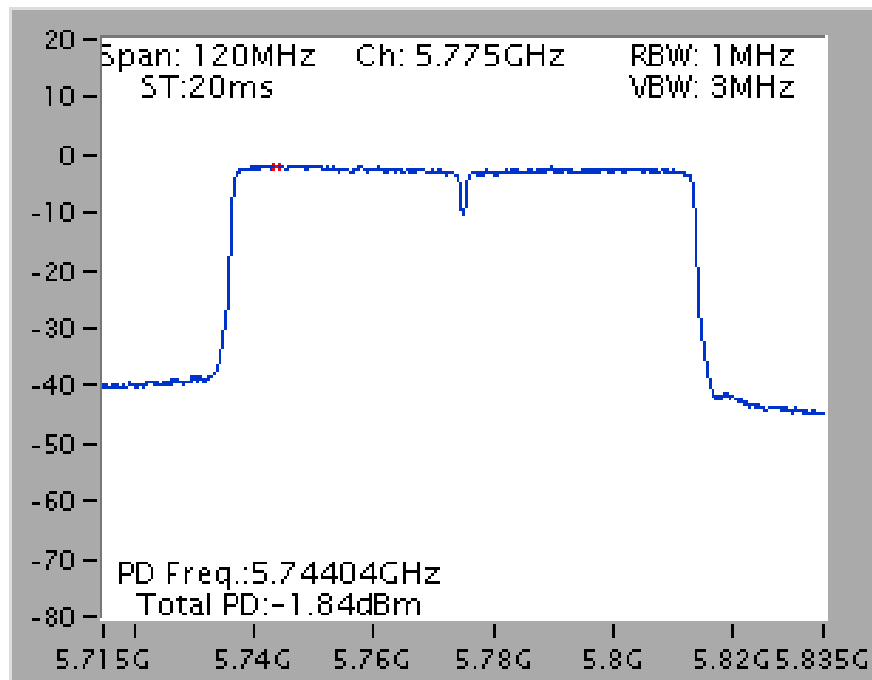


Type 10

Power Density Plot on Chain 1 + Chain 2 / 5530 MHz

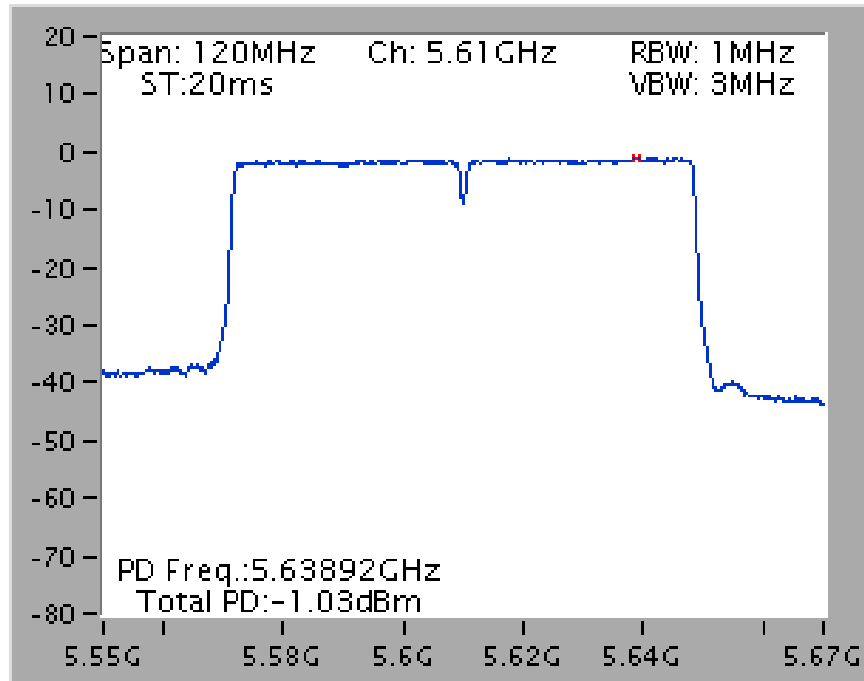


Power Density Plot on Chain 3 + Chain 4 / 5775 MHz

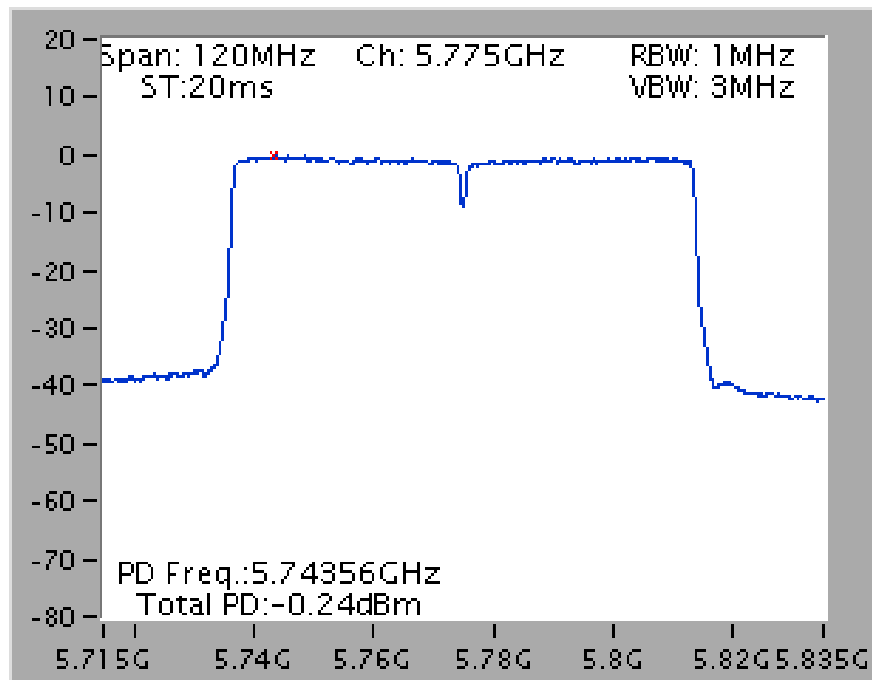


Type 11

Power Density Plot on Chain 1 + Chain 2 / 5610 MHz

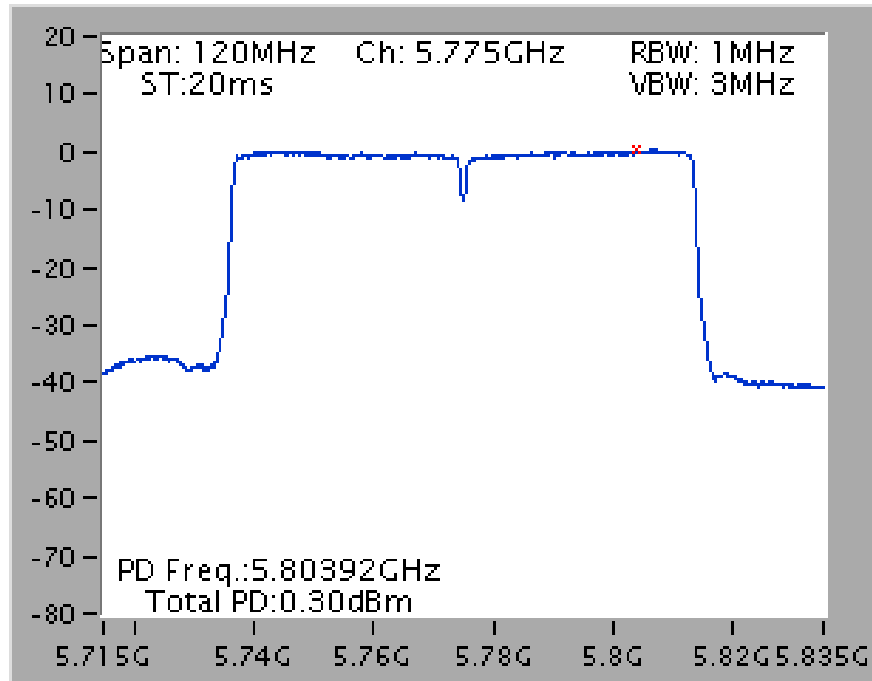


Power Density Plot on Chain 3 + Chain 4 / 5775 MHz

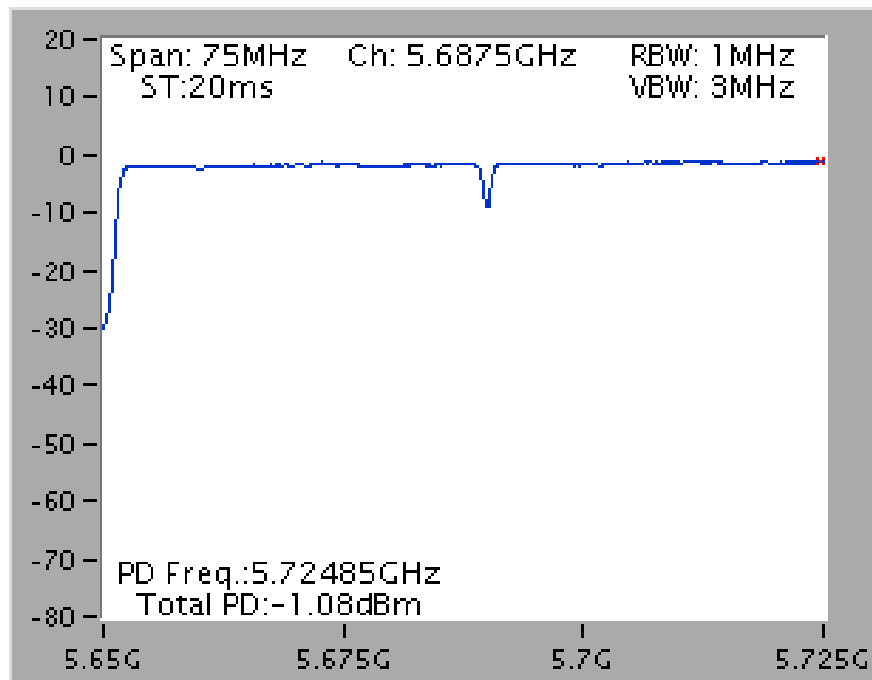


### Type 12

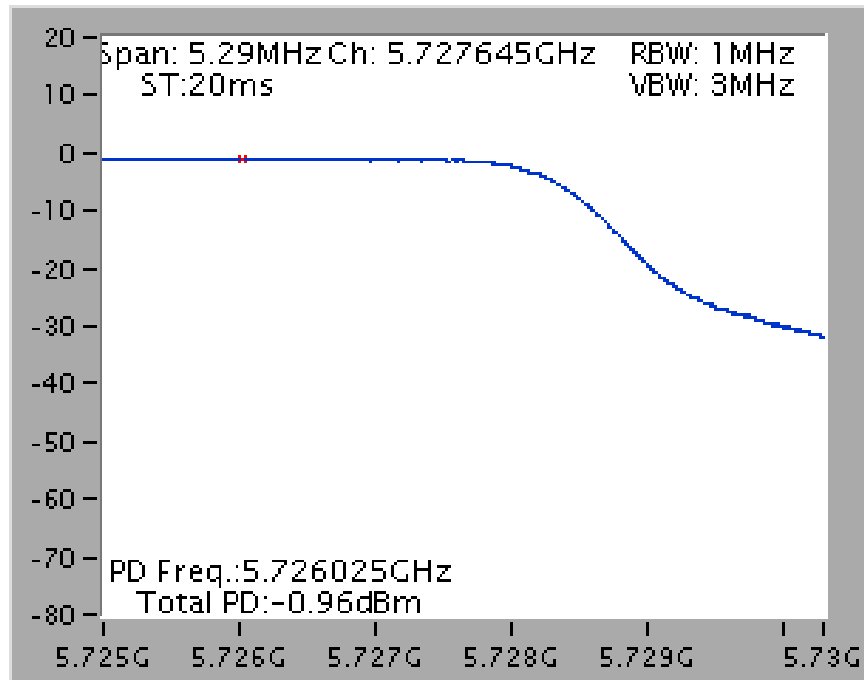
#### Power Density Plot on Chain 3 + Chain 4 / 5775 MHz



#### Power Density Plot on Chain 1 + Chain 2 / 5690 MHz (UNII 2C)

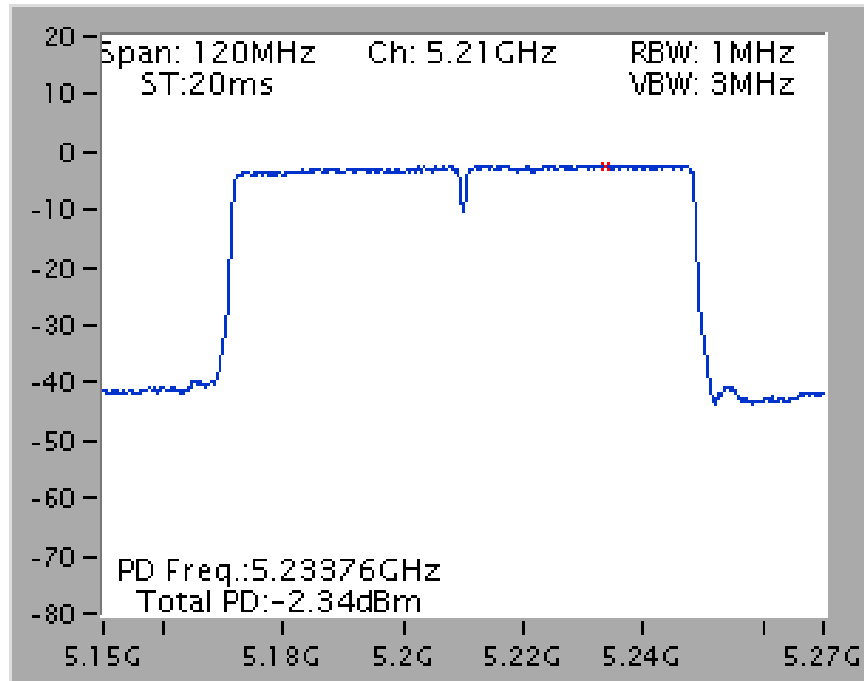


Power Density Plot on Chain 1 + Chain 2 / 5690 MHz (UNII 3)

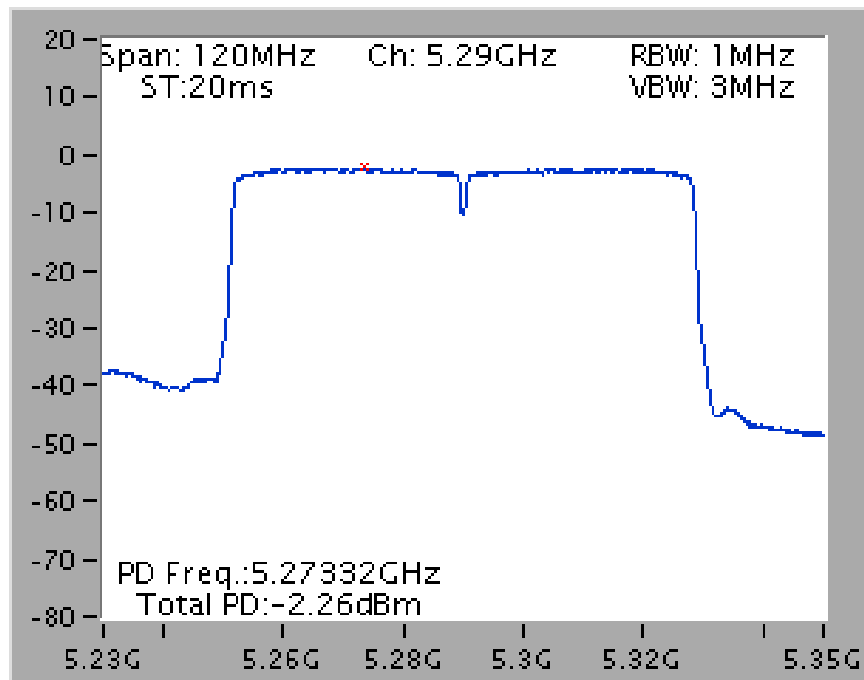


### Type 13

#### Power Density Plot on Chain 1 + Chain 2 / 5210 MHz

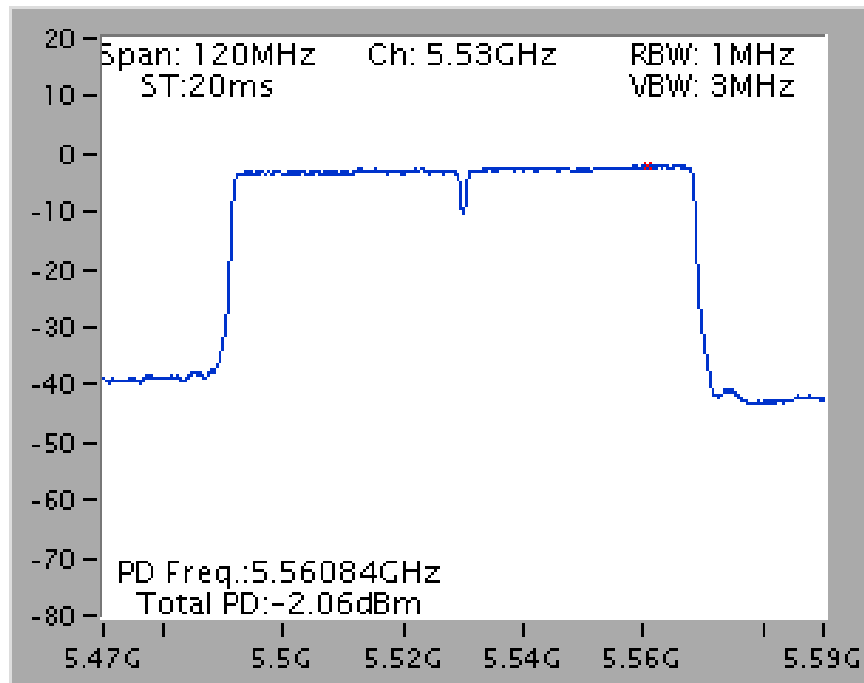


#### Power Density Plot on Chain 3 + Chain 4 / 5290 MHz

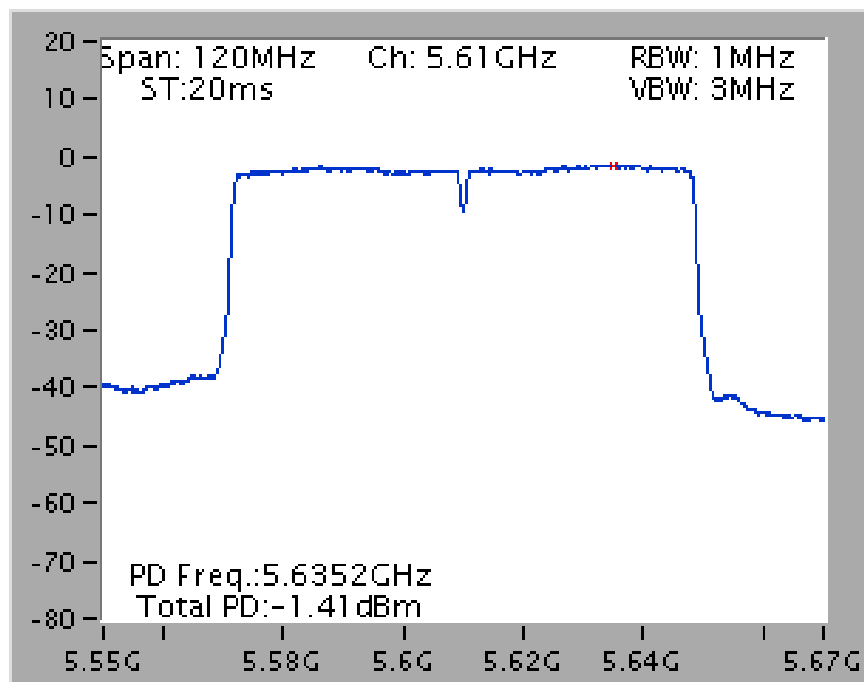


### Type 14

#### Power Density Plot on Chain 1 + Chain 2 / 5530 MHz

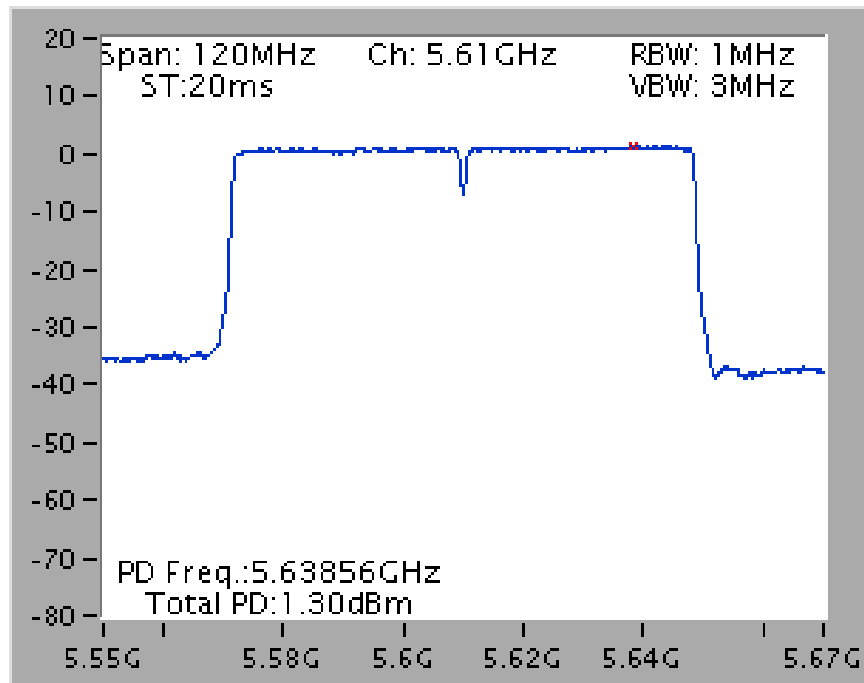


#### Power Density Plot on Chain 3 + Chain 4 / 5610 MHz

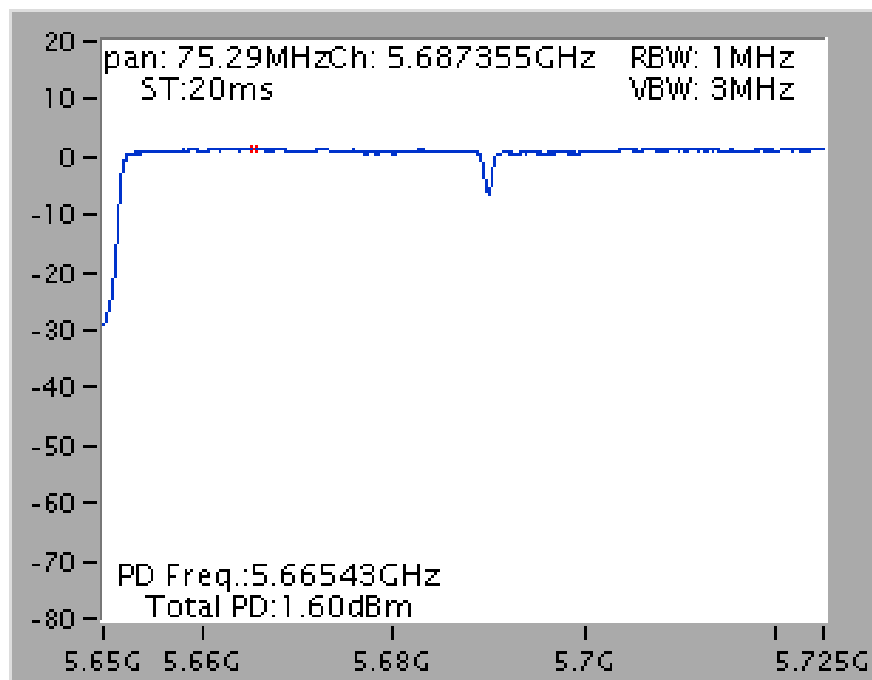


### Type 15

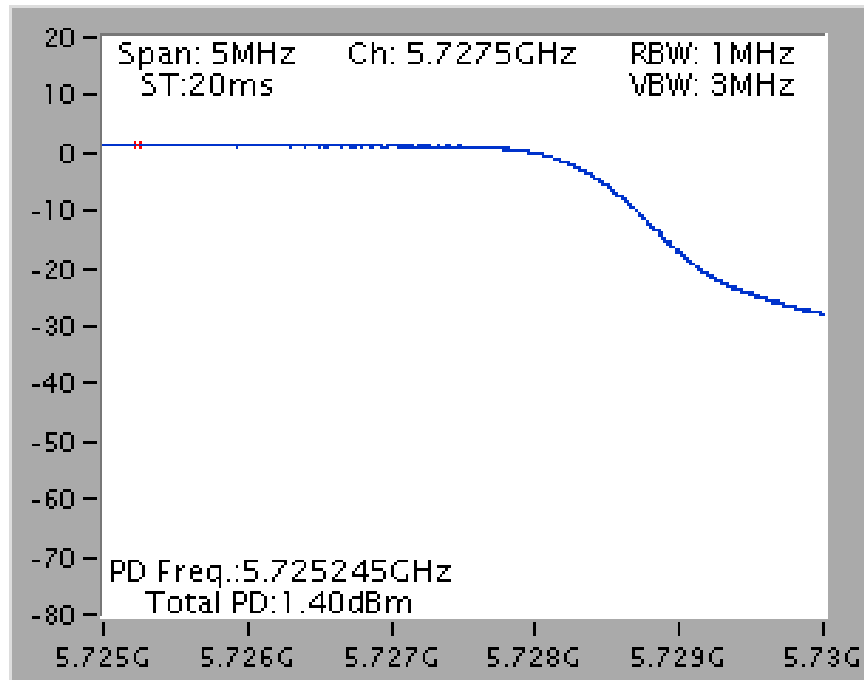
#### Power Density Plot on Chain 1 + Chain 2 / 5610 MHz



#### Power Density Plot on Chain 3 + Chain 4 / 5690 MHz (UNII 2C)



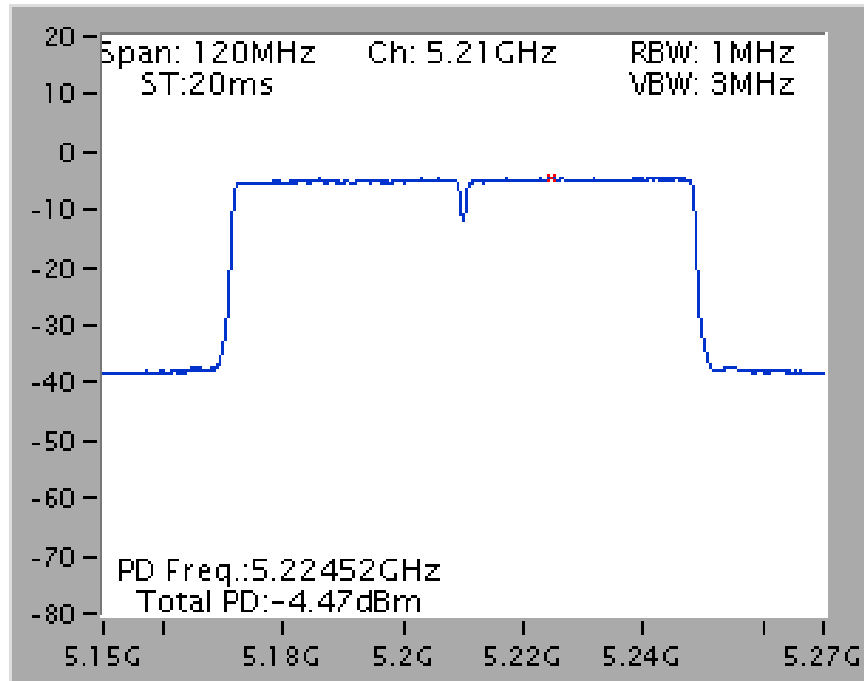
Power Density Plot on Chain 3 + Chain 4 / 5690 MHz (UNII 3)



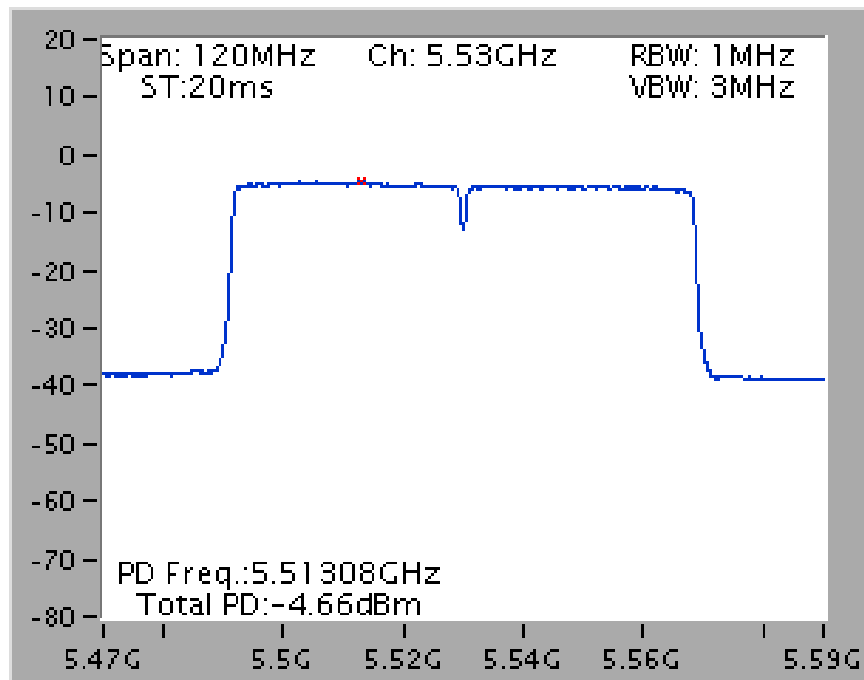
For outdoor use master B1

Type 1

Power Density Plot on Chain 1 + Chain 2 / 5210 MHz

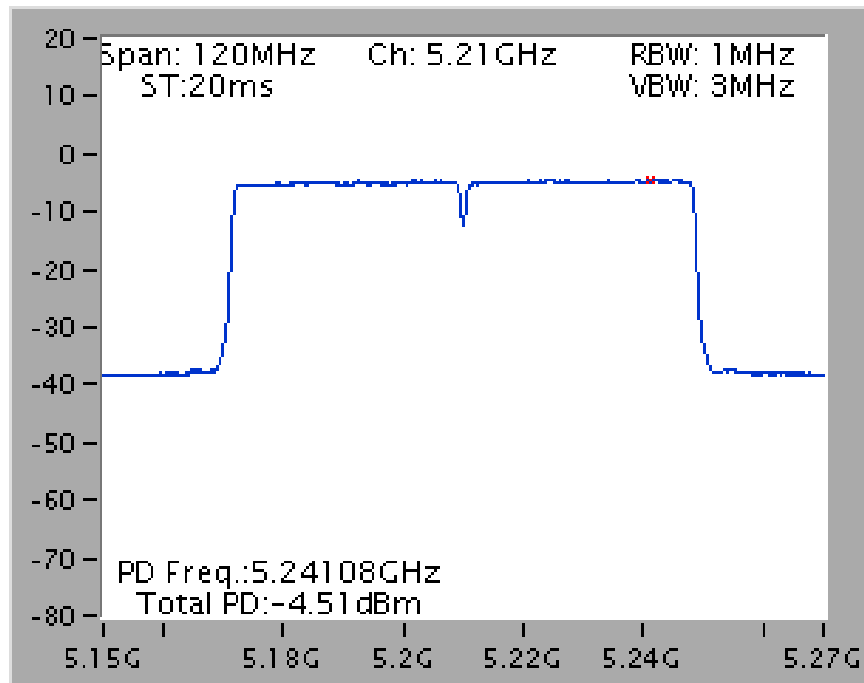


Power Density Plot on Chain 3 + Chain 4 / 5530 MHz

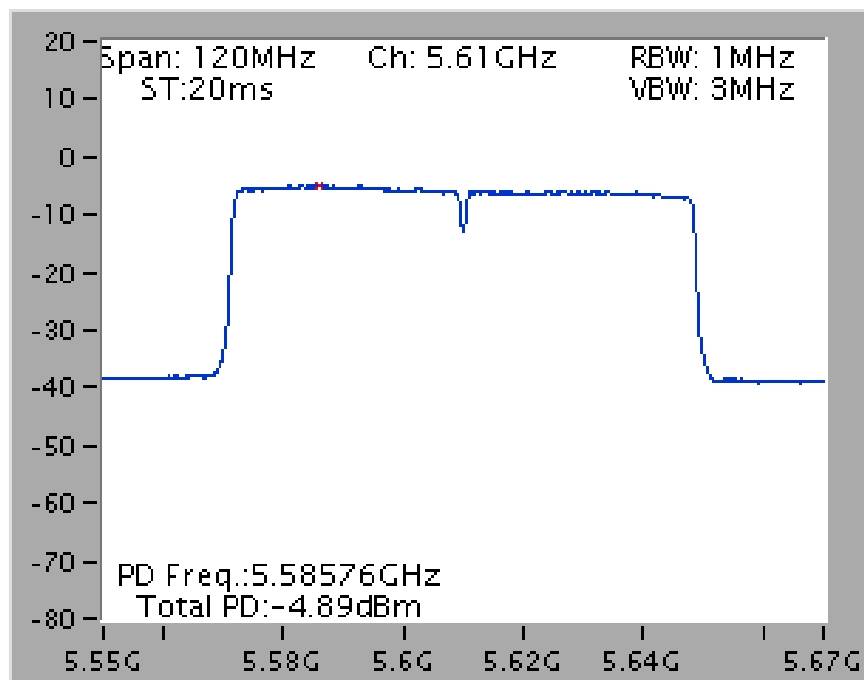


### Type 2

#### Power Density Plot on Chain 1 + Chain 2 / 5210 MHz

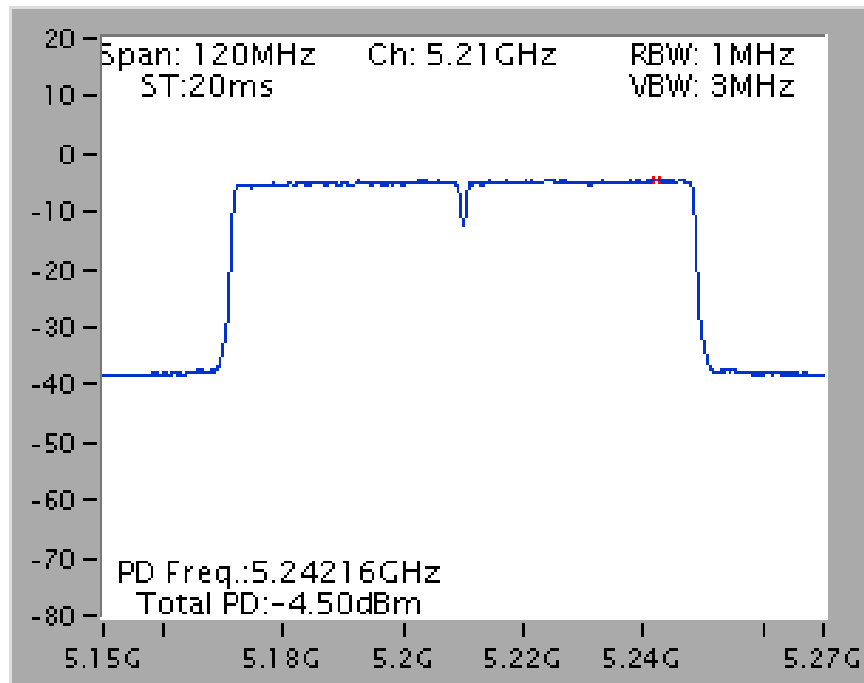


#### Power Density Plot on Chain 3 + Chain 4 / 5610 MHz

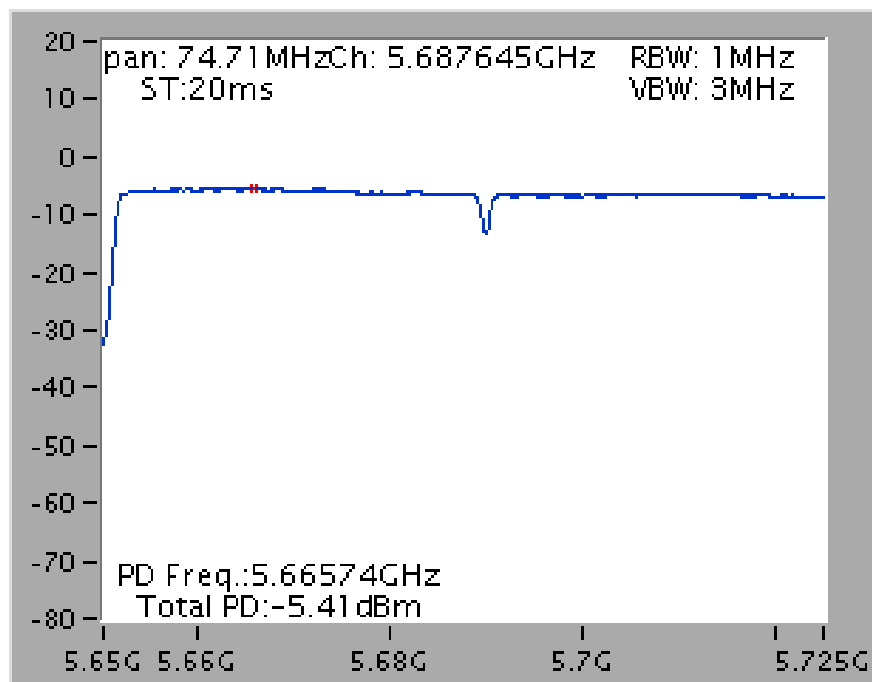


### Type 3

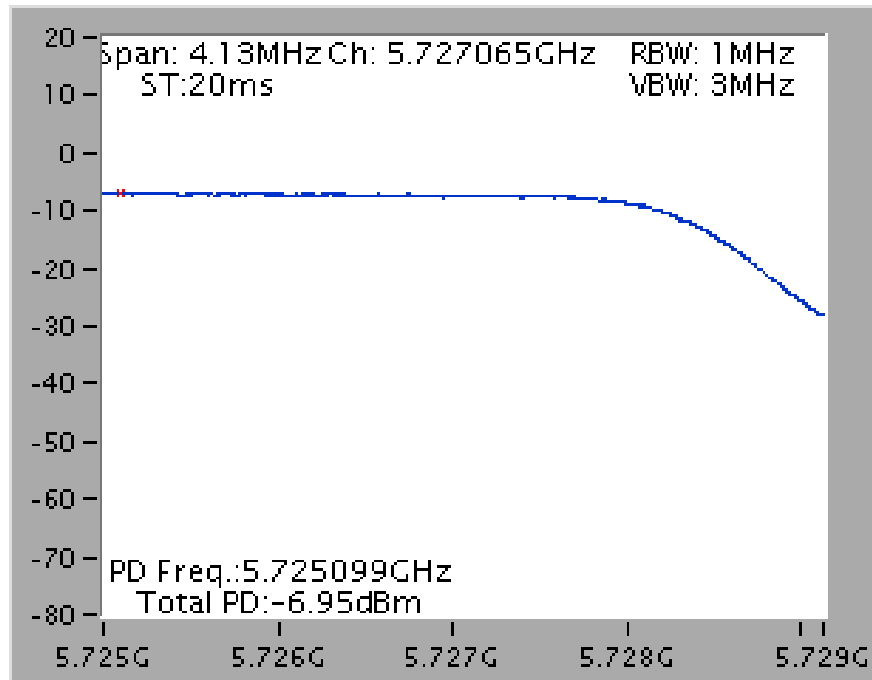
#### Power Density Plot on Chain 1 + Chain 2 / 5210 MHz



#### Power Density Plot on Chain 3 + Chain 4 / 5690 MHz (UNII 2C)

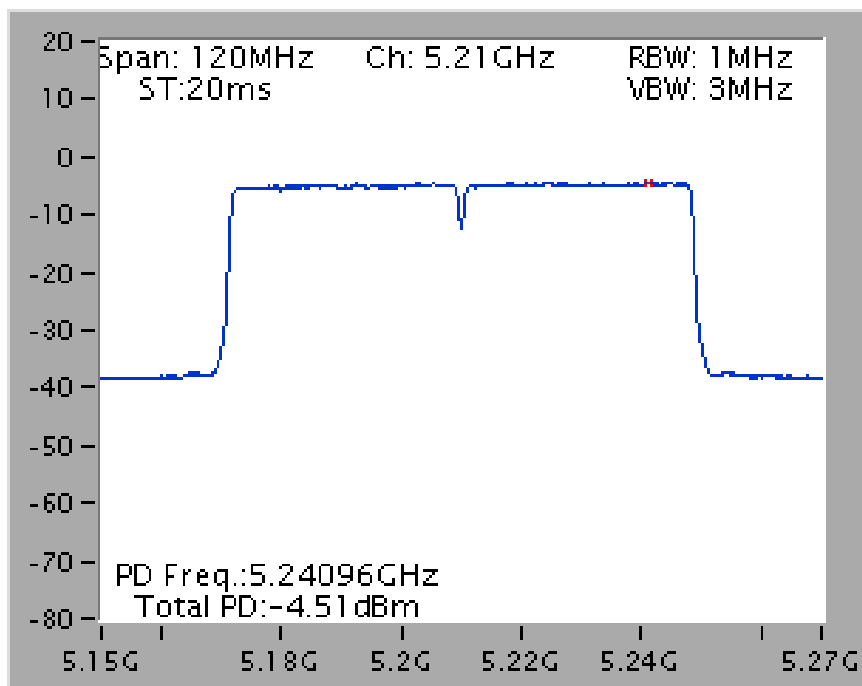


Power Density Plot on Chain 3 + Chain 4 / 5690 MHz (UNII 3)

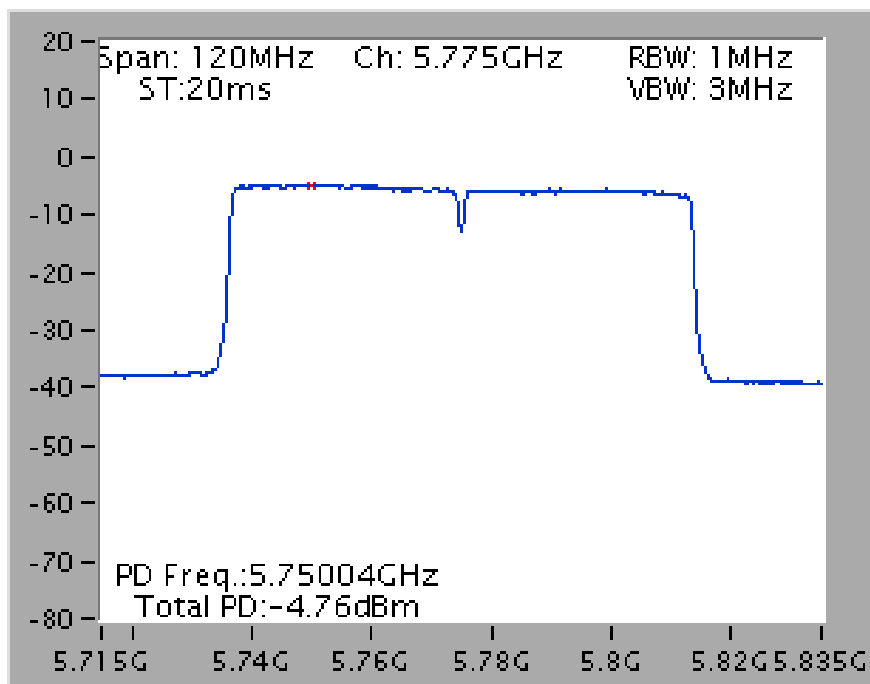


### Type 4

#### Power Density Plot on Chain 1 + Chain 2 / 5210 MHz

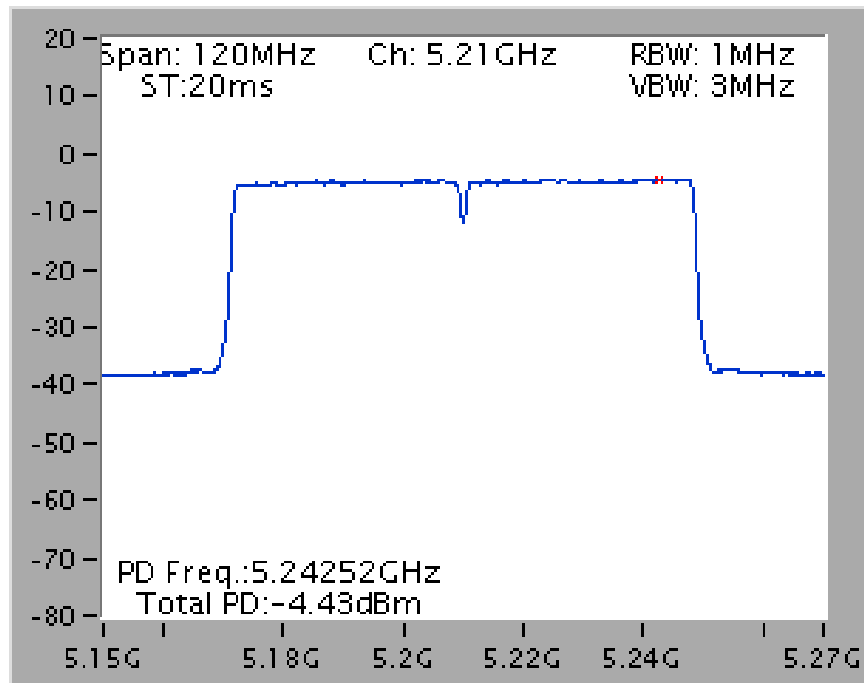


#### Power Density Plot on Chain 3 + Chain 4 / 5775 MHz

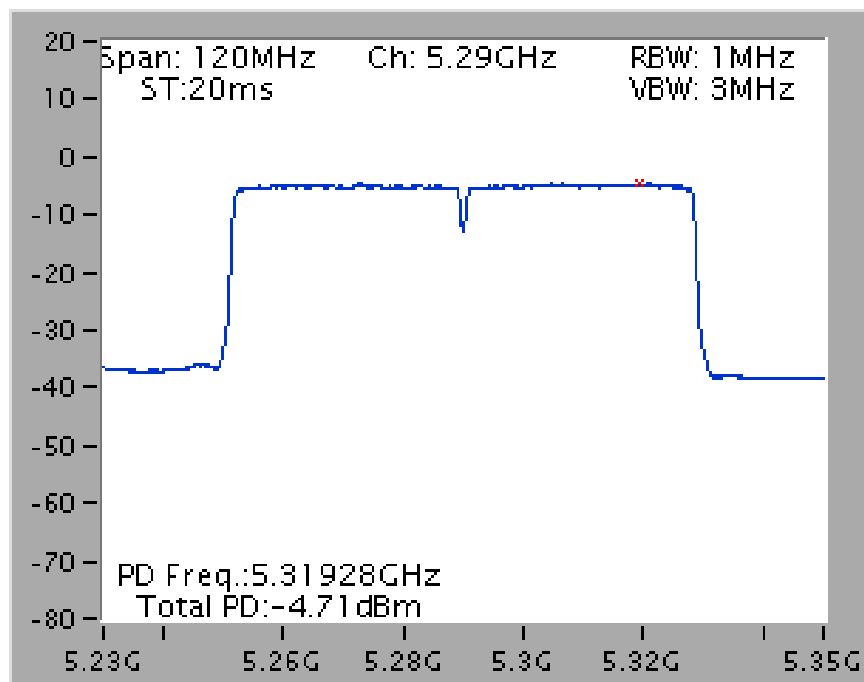


Type 13

Power Density Plot on Chain 1 + Chain 2 / 5210 MHz



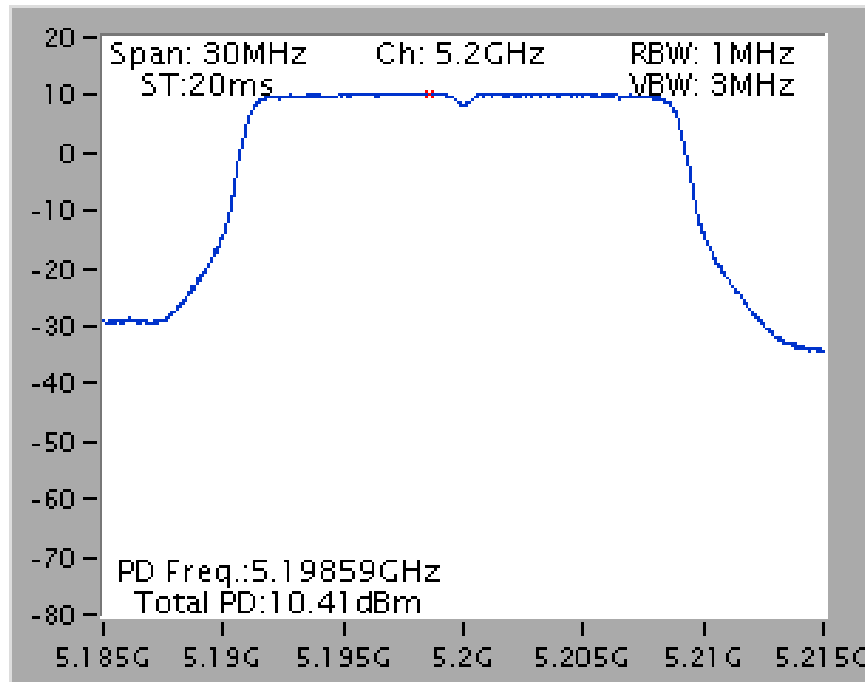
Power Density Plot on Chain 3 + Chain 4 / 5290 MHz



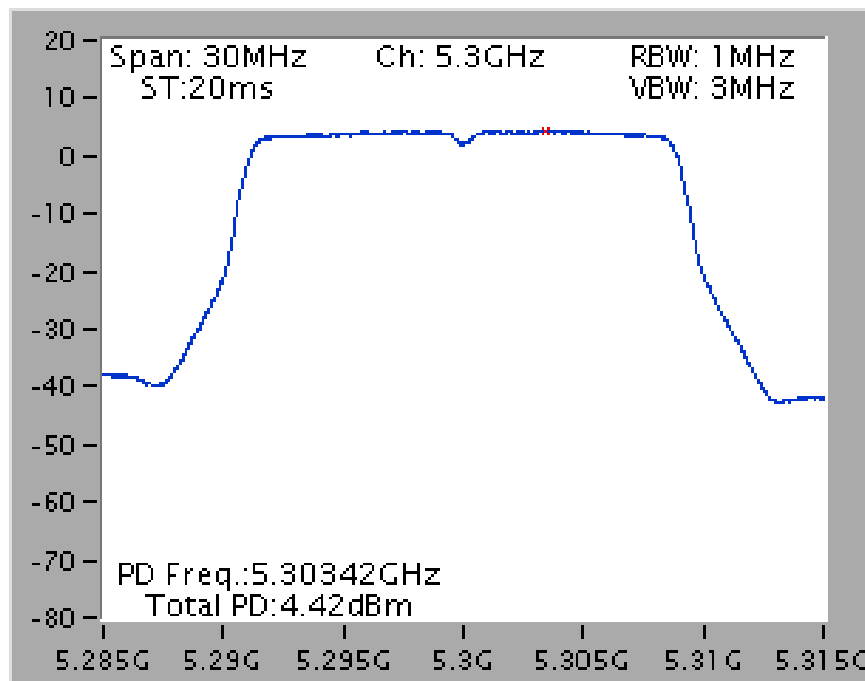
For beamforming mode

For indoor use master B1 and indoor, outdoor use B2~B4

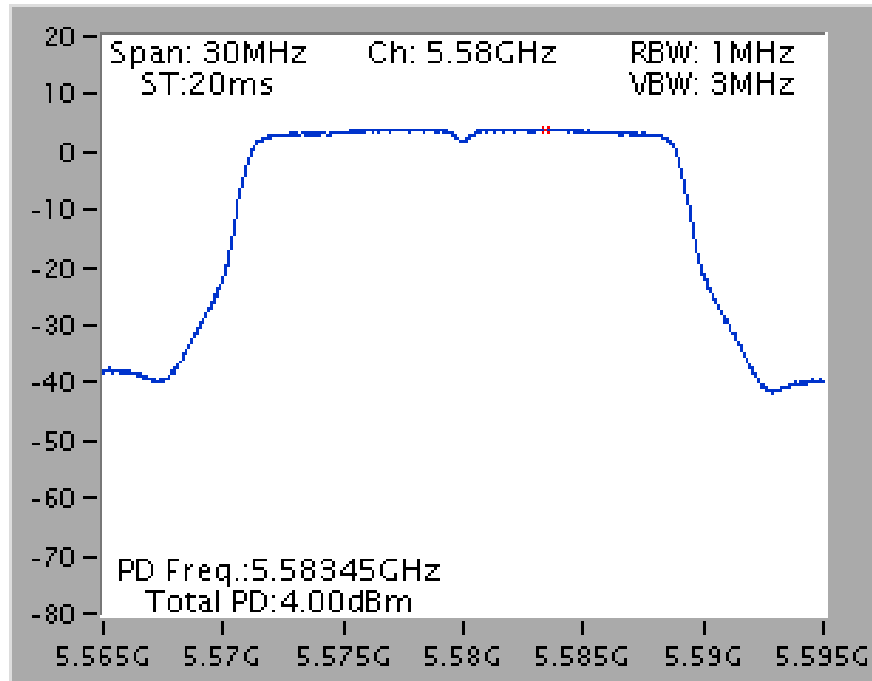
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5200 MHz



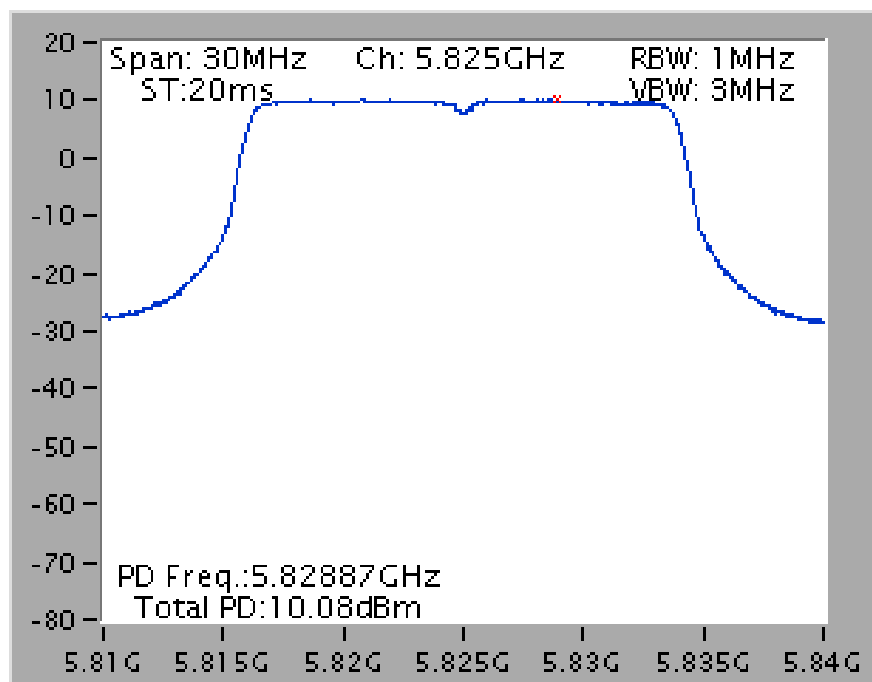
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5300 MHz



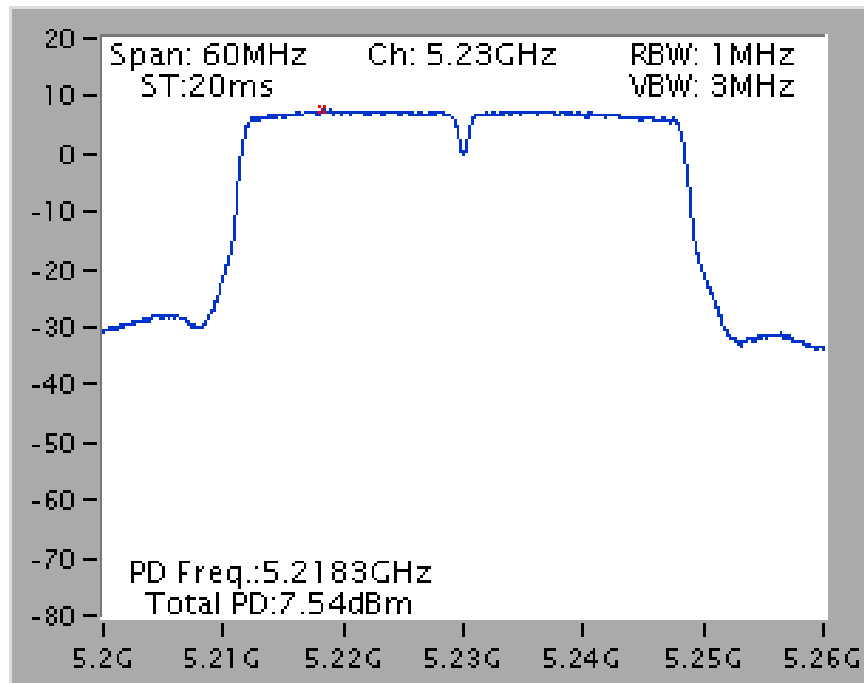
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5580 MHz**



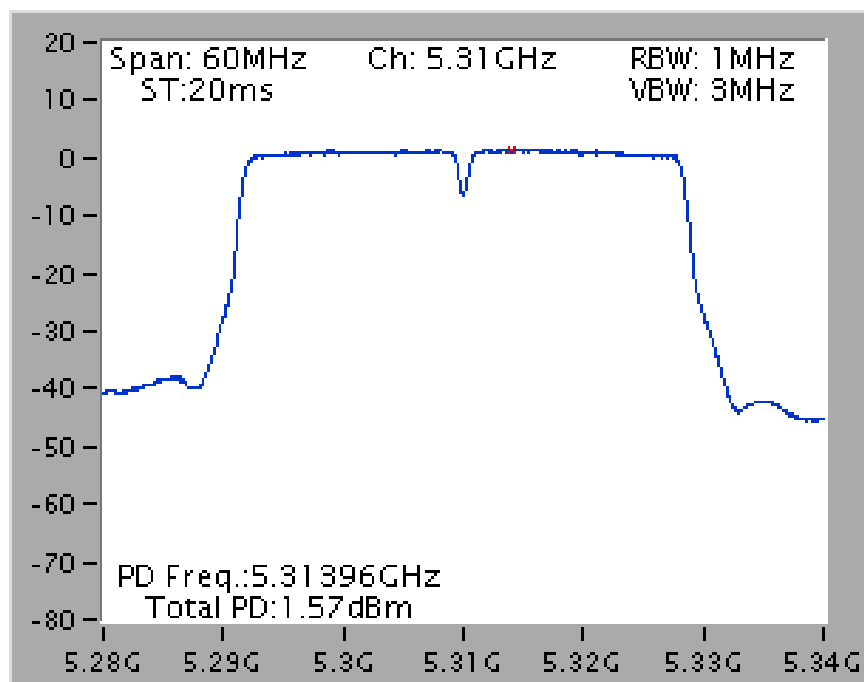
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5825 MHz**



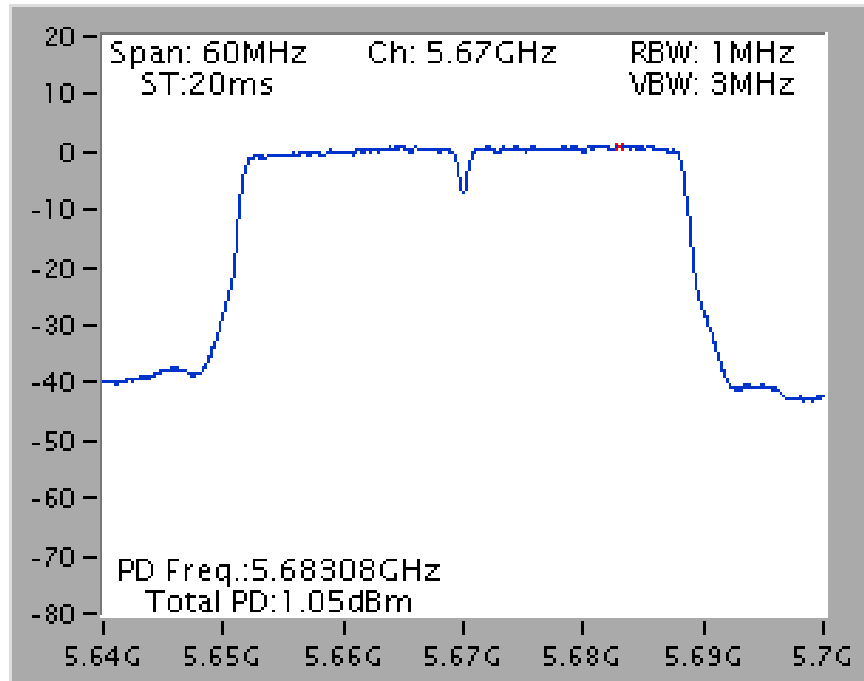
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5230 MHz



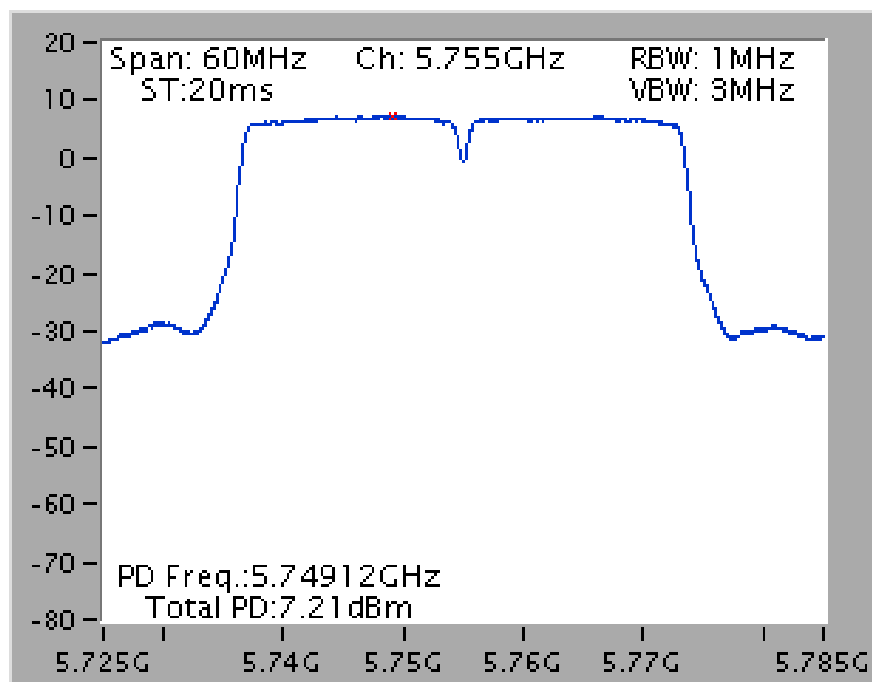
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5310 MHz



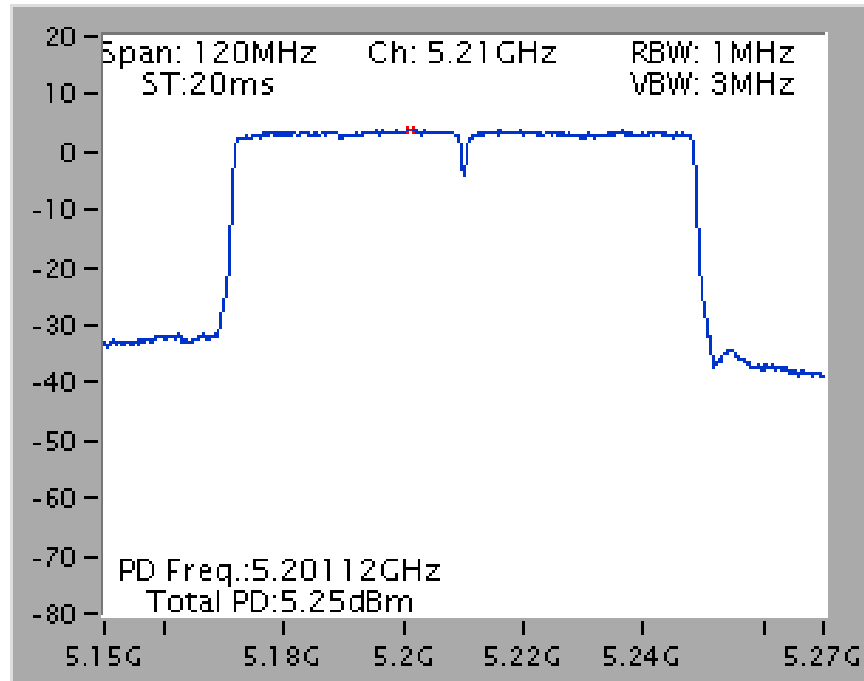
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5670 MHz



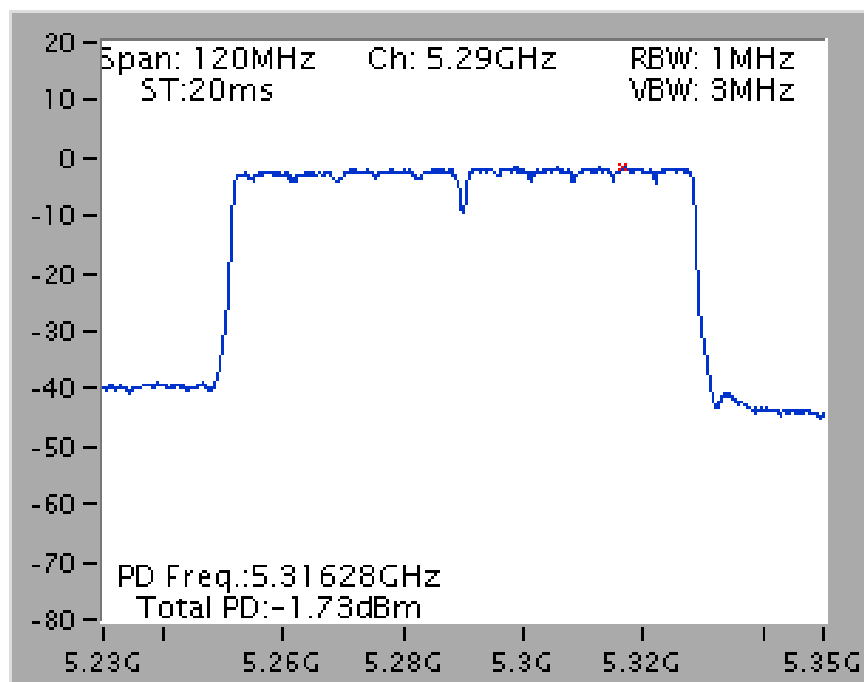
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5755 MHz



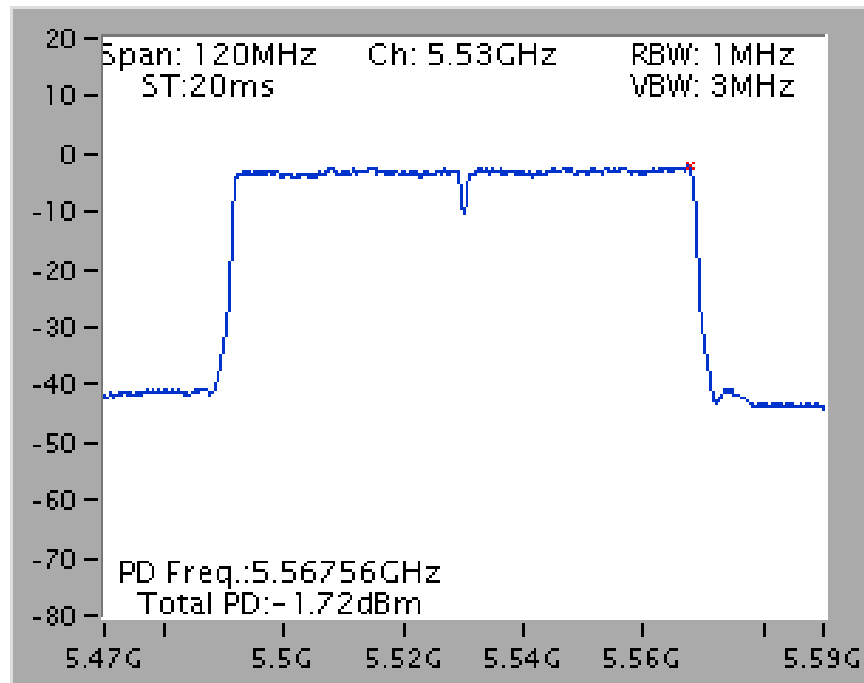
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5210 MHz



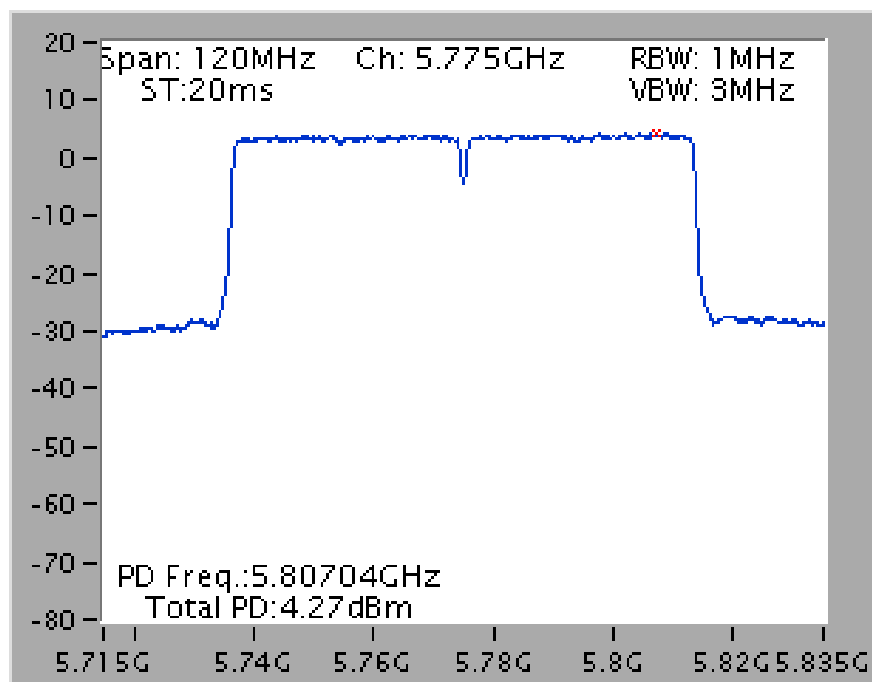
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5290 MHz



**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5530 MHz**

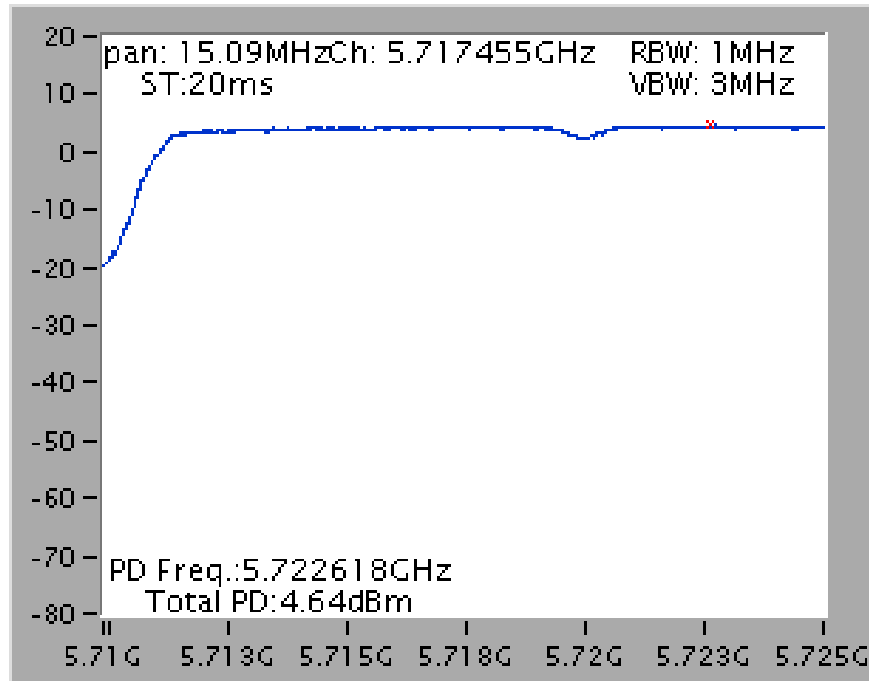


**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5775 MHz**

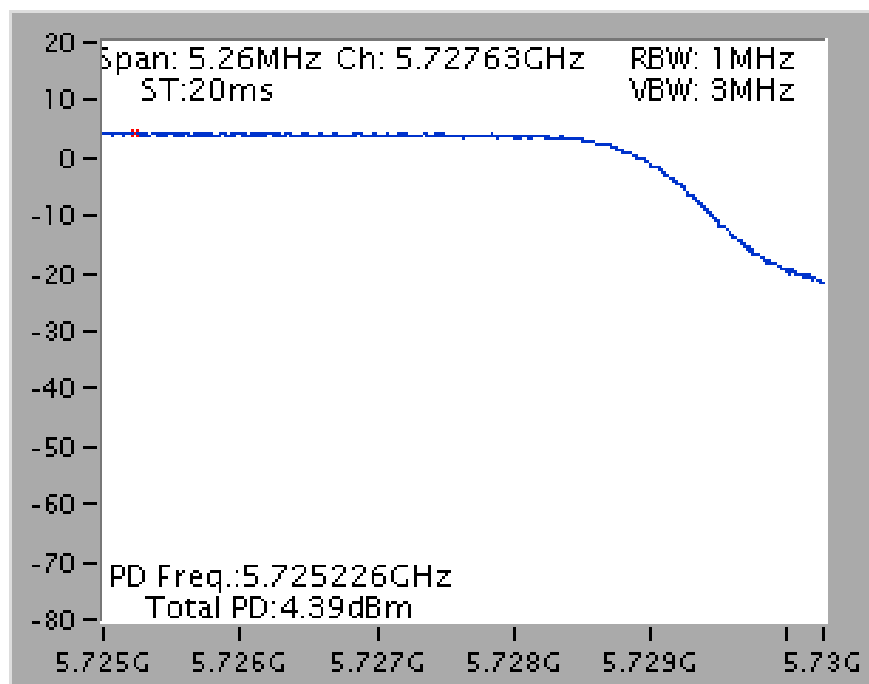


### Straddle Channel

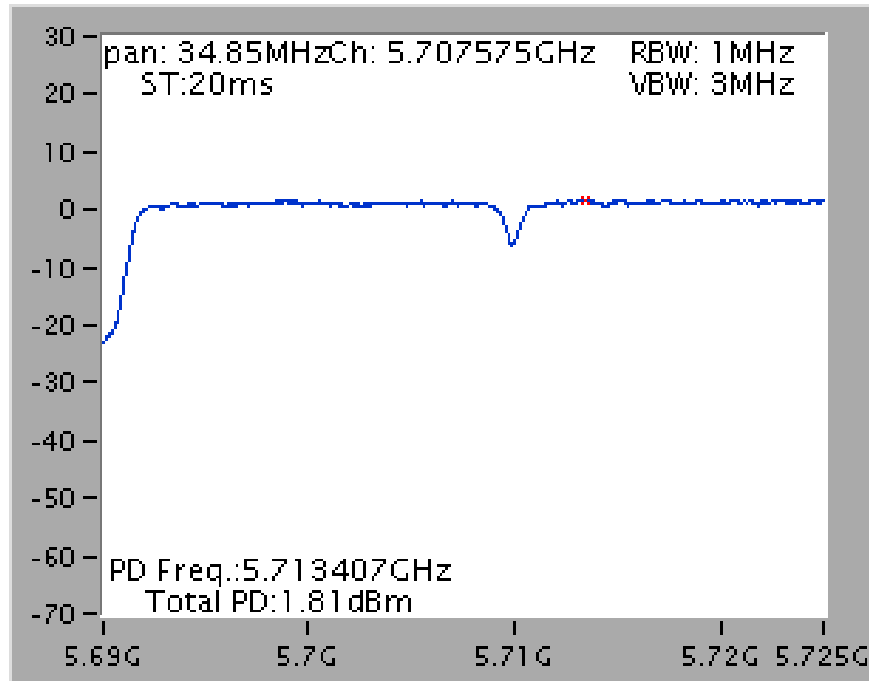
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz (UNII 2C)



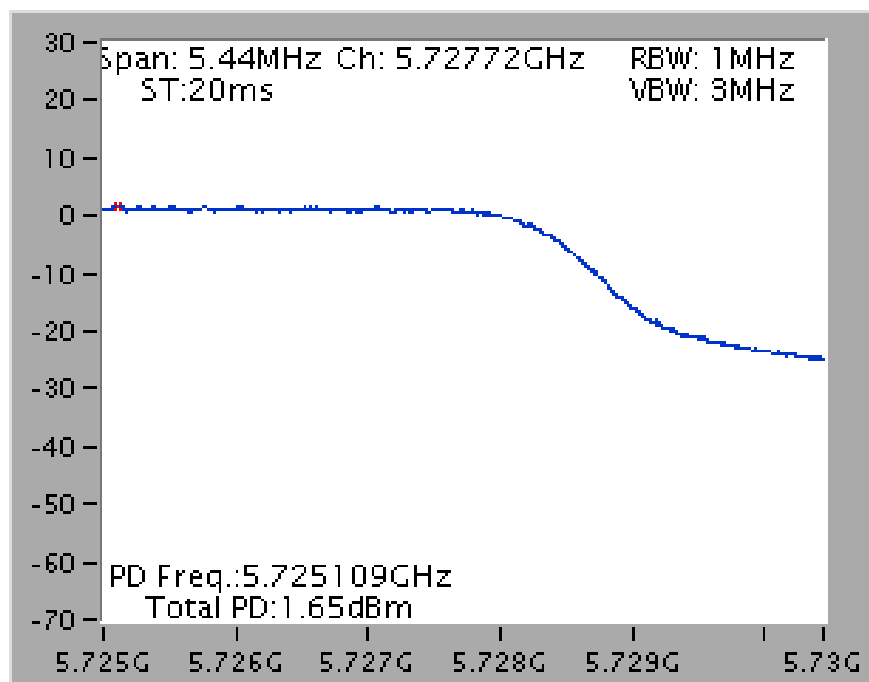
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5720 MHz (UNII 3)



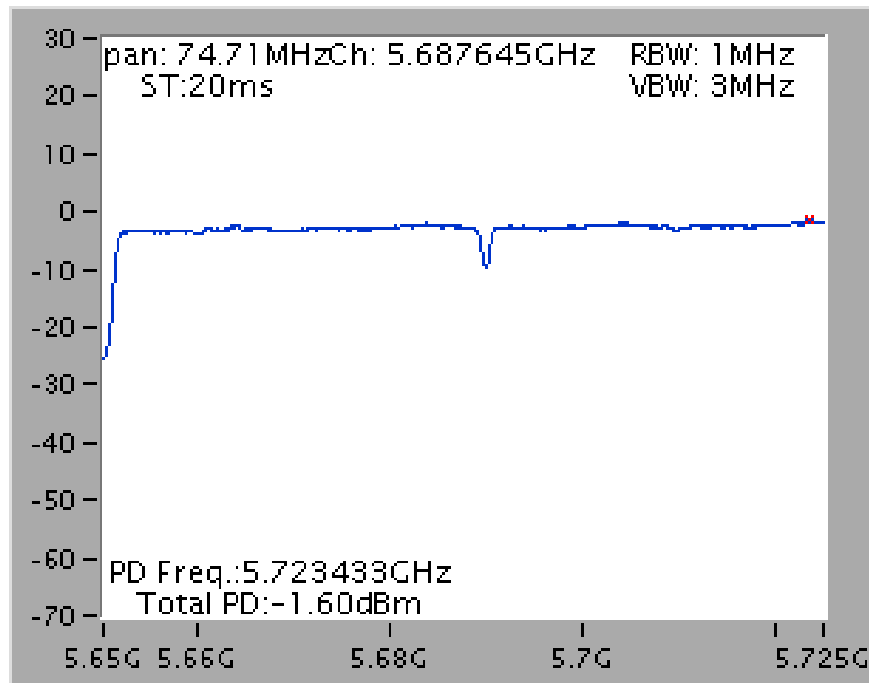
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5710 MHz (UNII 2C)



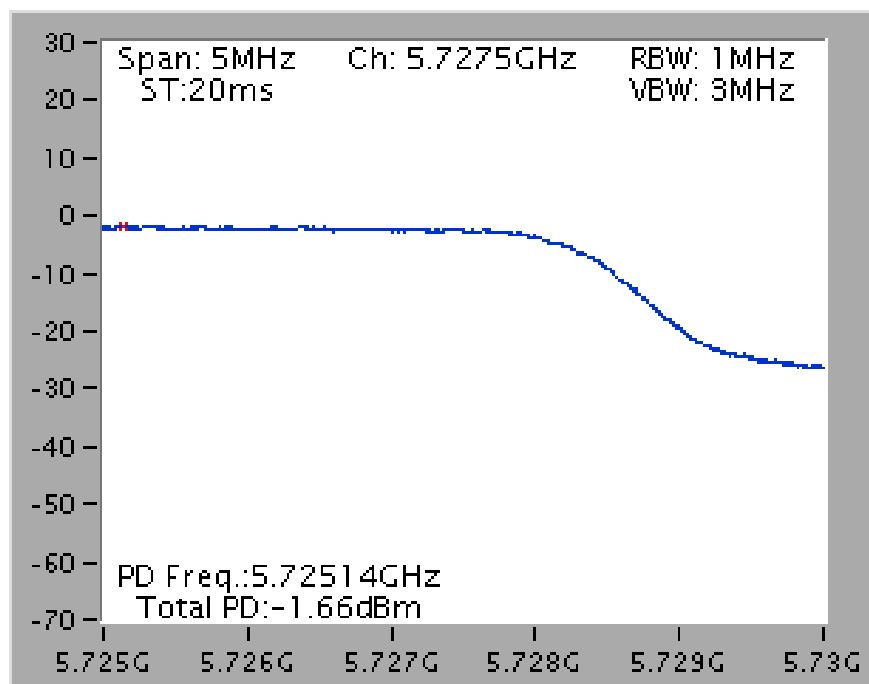
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5710 MHz (UNII 3)



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5690 MHz (UNII 2C)

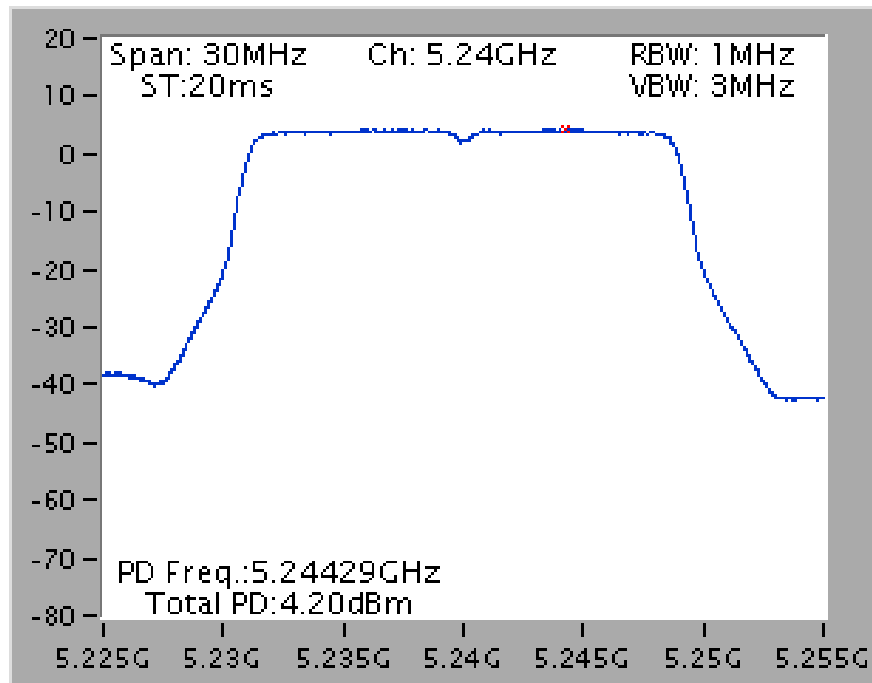


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5690 MHz (UNII 3)

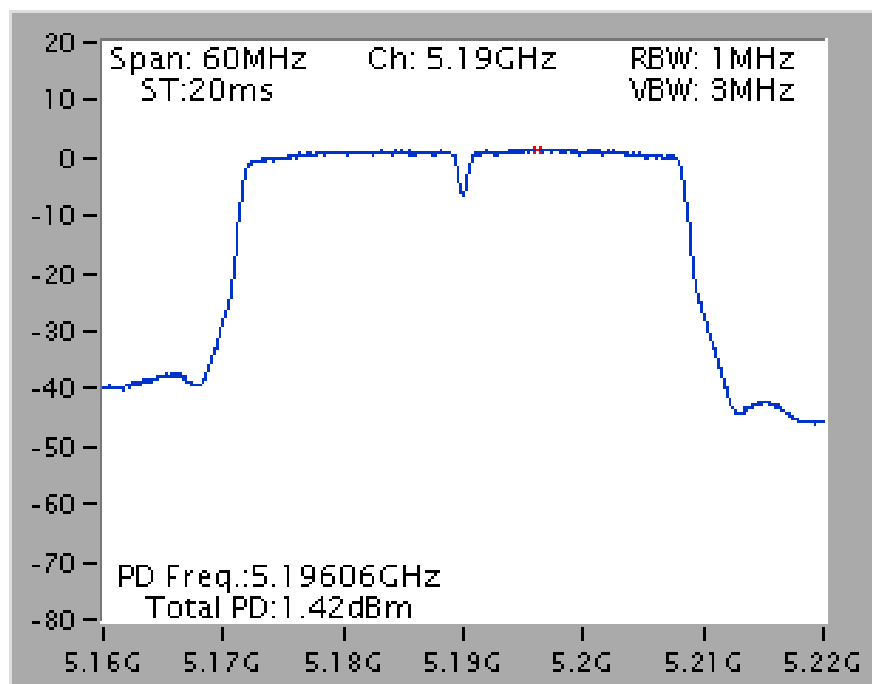


For indoor use slave without radar detection B1

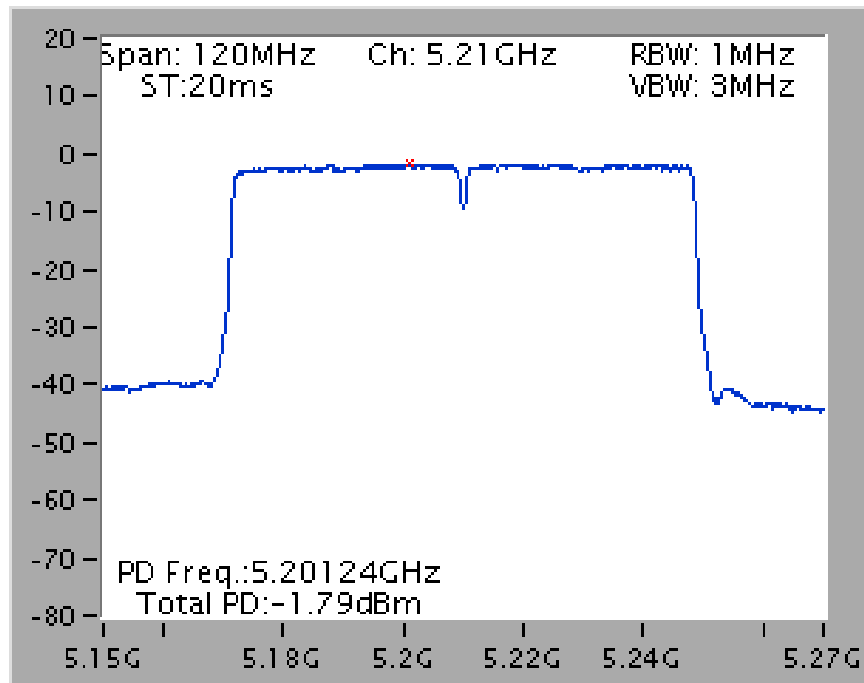
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5240 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5190 MHz

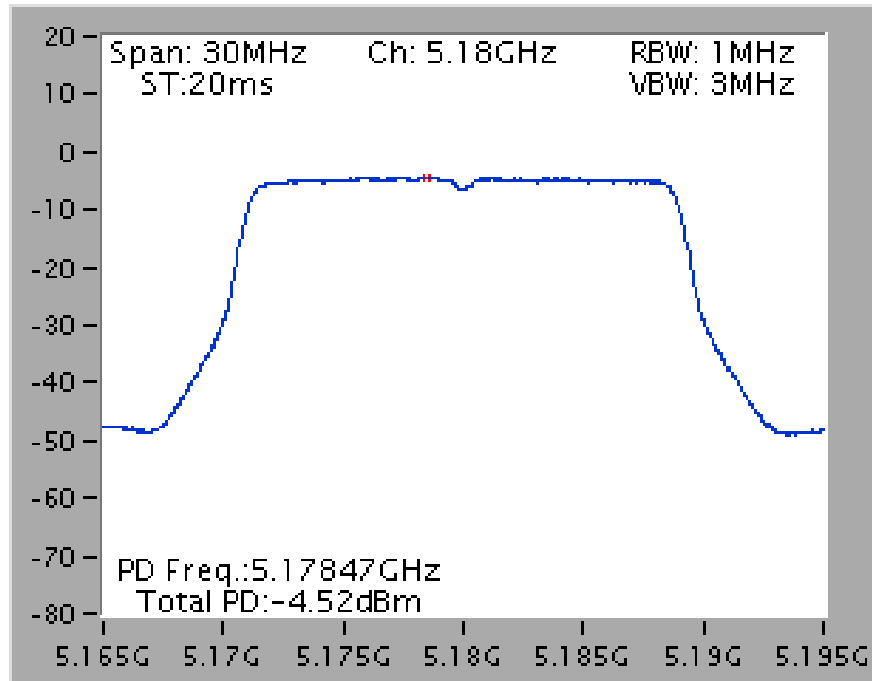


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5210 MHz

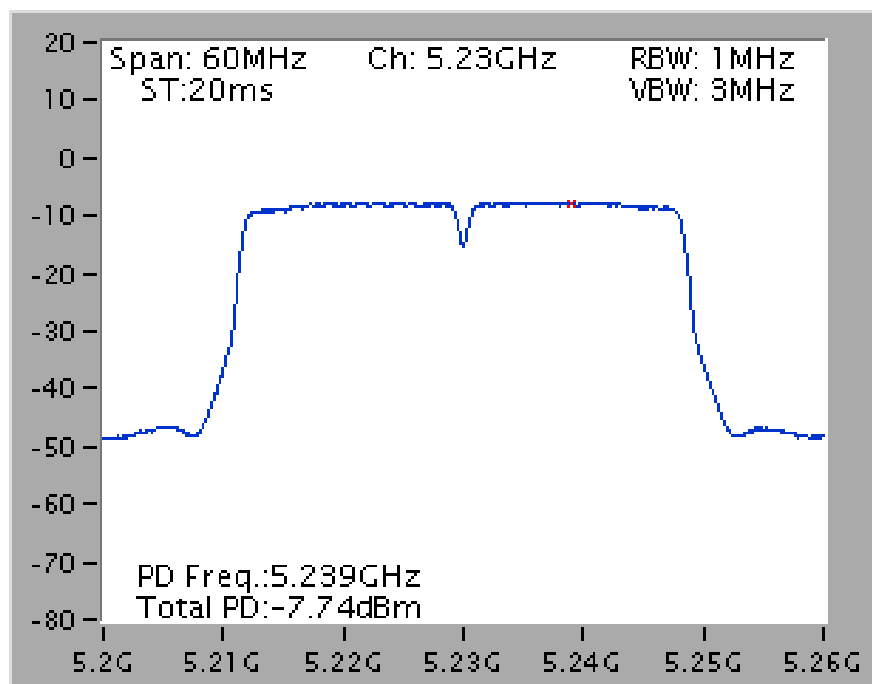


For outdoor use master B1

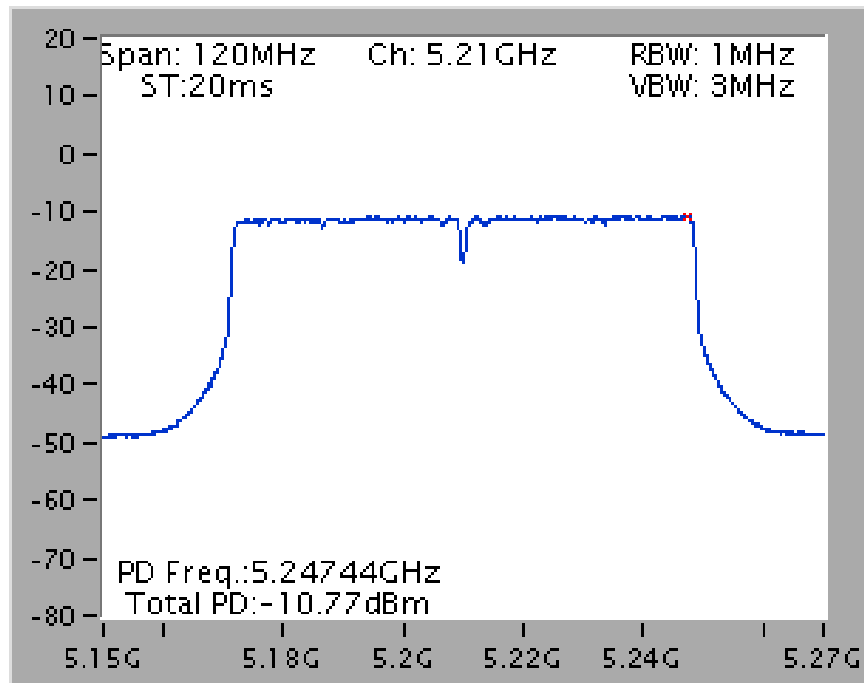
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5180 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5230 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5210 MHz

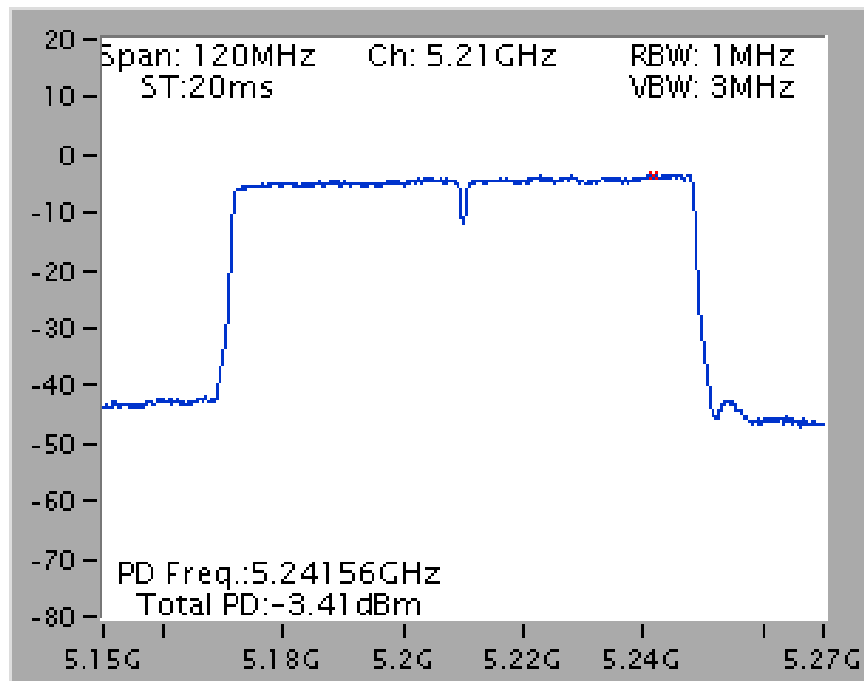


**802.11ac MCS0/Nss2 VHT80+80**

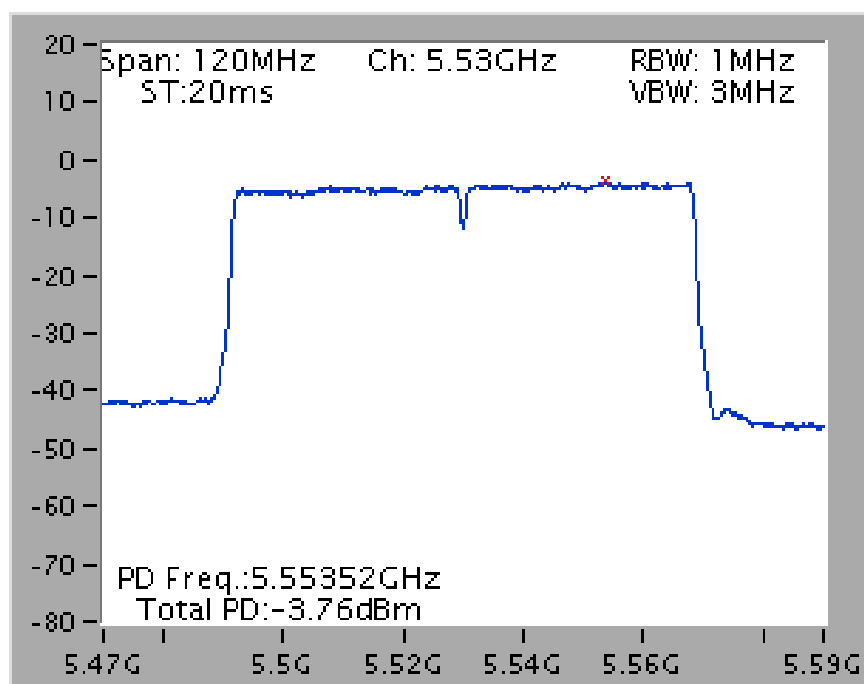
For indoor use master and slave without radar detection type1~4 and type13

**Type 1**

Power Density Plot on Chain 1 + Chain 2 / 5210 MHz

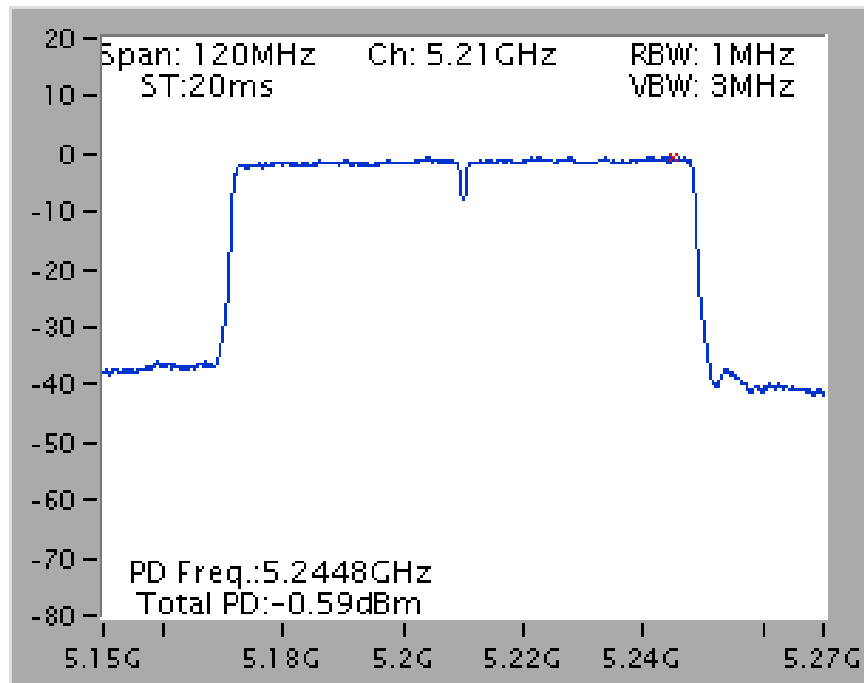


Power Density Plot on Chain 3 + Chain 4 / 5530 MHz

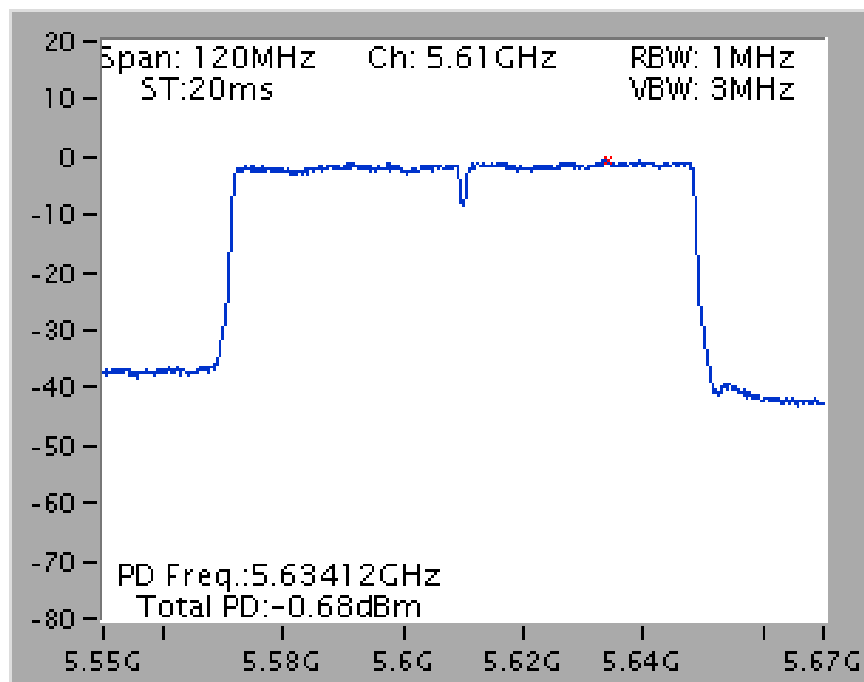


Type 2

Power Density Plot on Chain 1 + Chain 2 / 5210 MHz

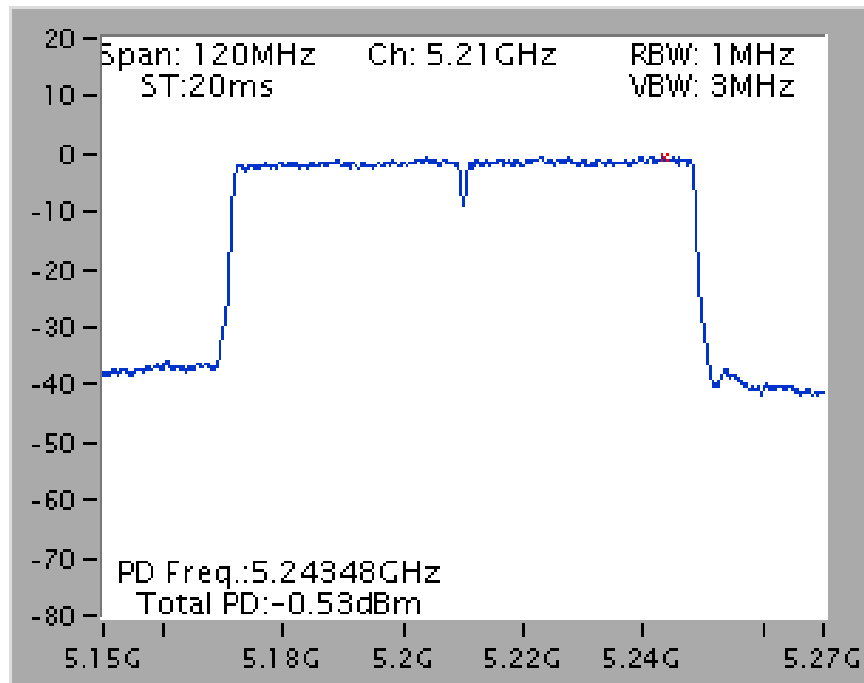


Power Density Plot on Chain 3 + Chain 4 / 5610 MHz

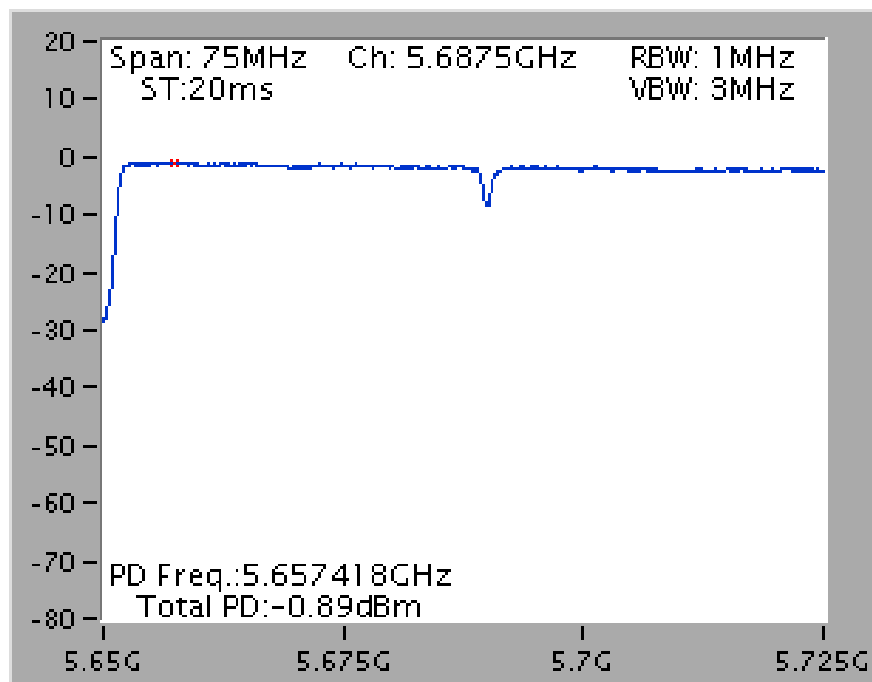


Type 3

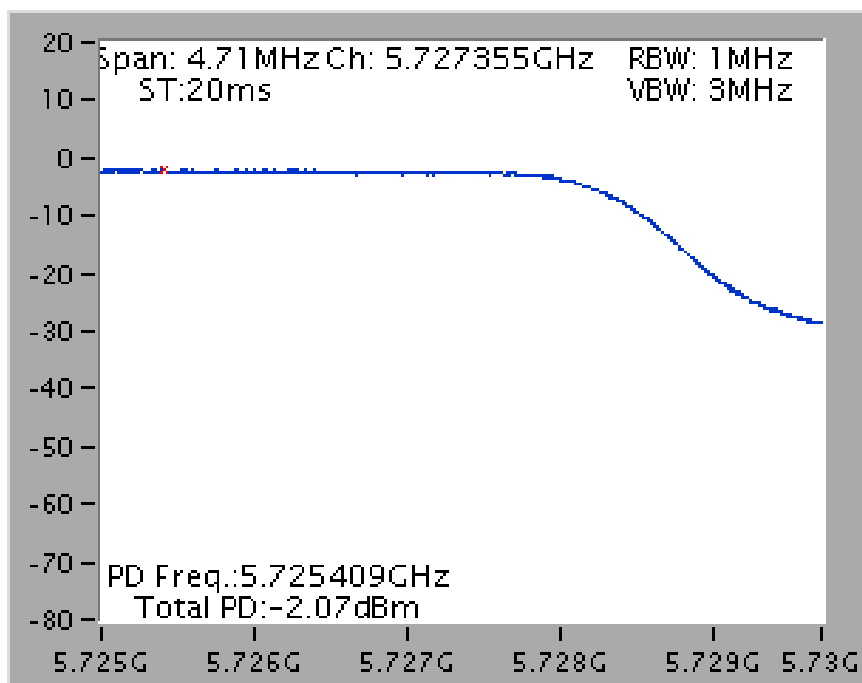
Power Density Plot on Chain 1 + Chain 2 / 5210 MHz



Power Density Plot on Chain 3 + Chain 4 / 5690 MHz (UNII 2C)

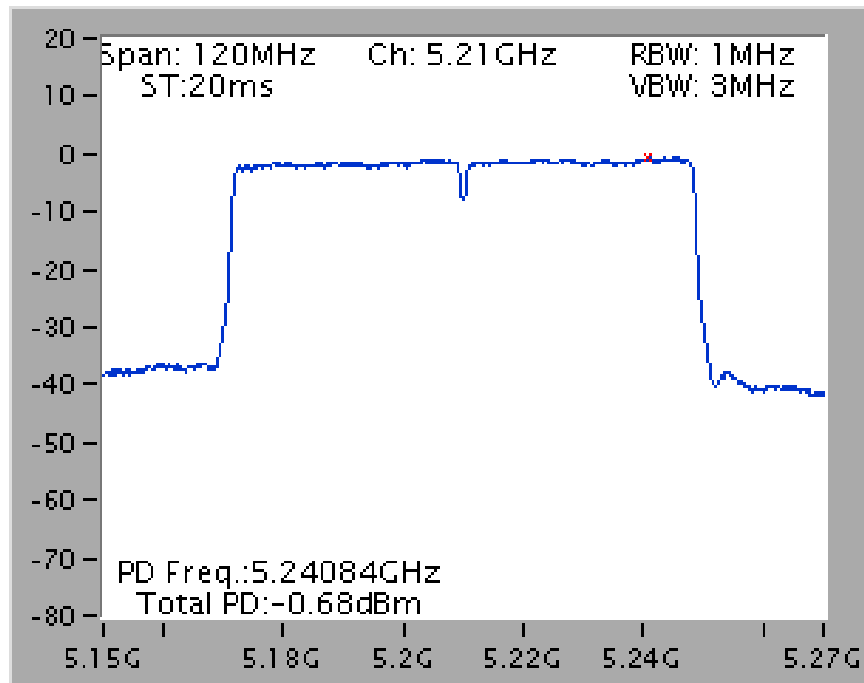


Power Density Plot on Chain 3 + Chain 4 / 5690 MHz (UNII 3)

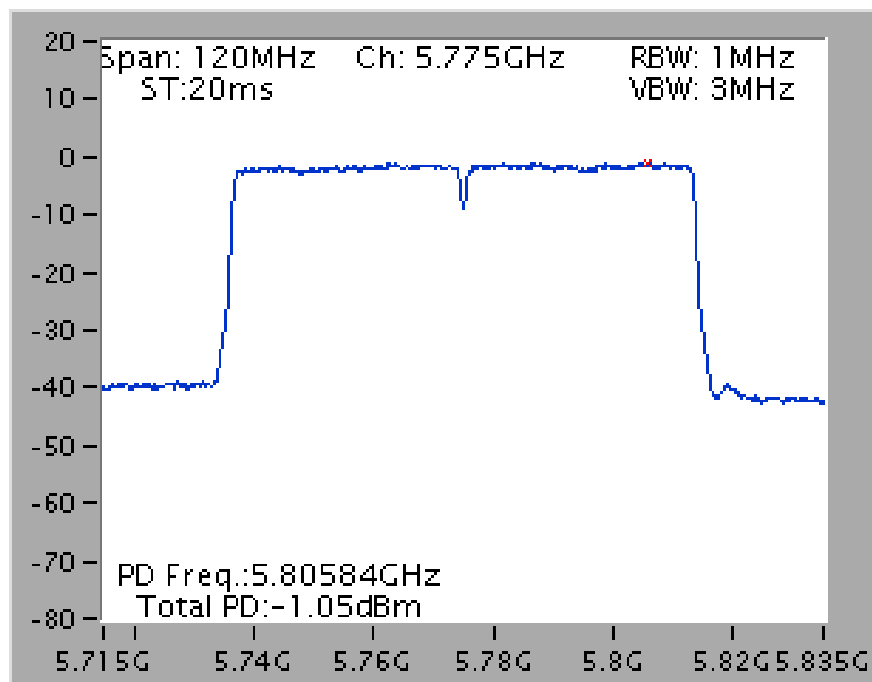


Type 4

Power Density Plot on Chain 1 + Chain 2 / 5210 MHz

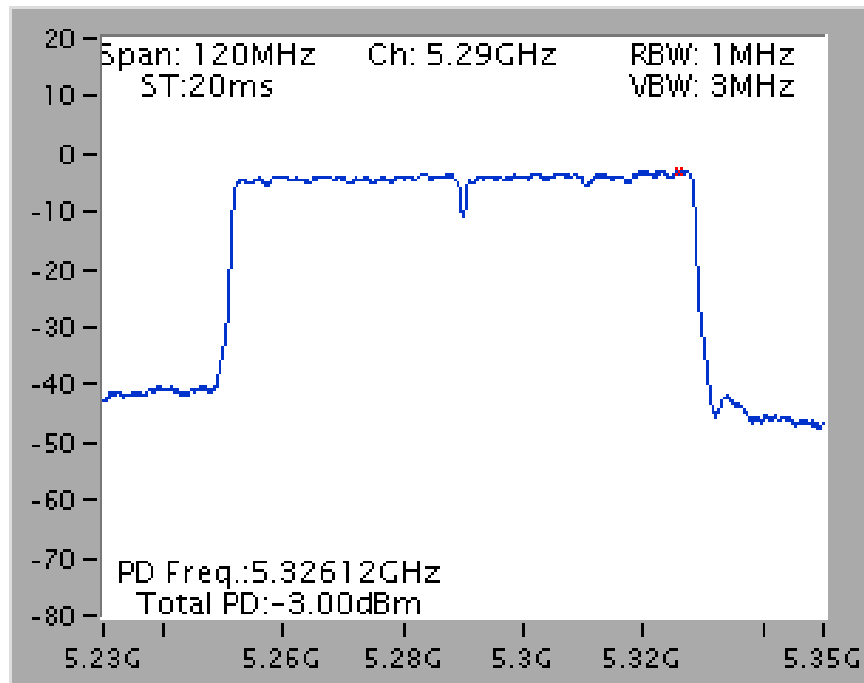


Power Density Plot on Chain 3 + Chain 4 / 5775 MHz

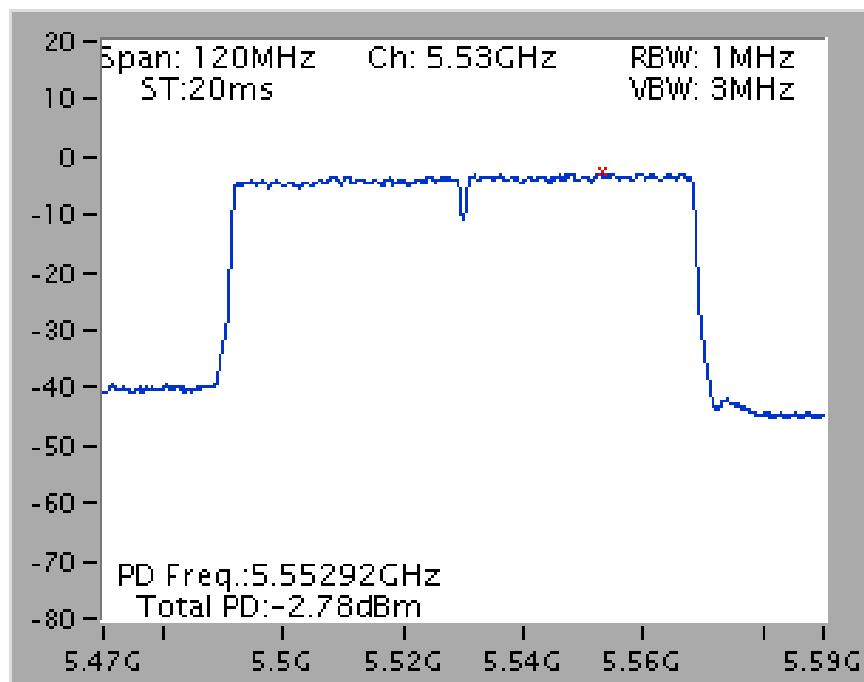


### Type 5

#### Power Density Plot on Chain 1 + Chain 2 / 5290 MHz

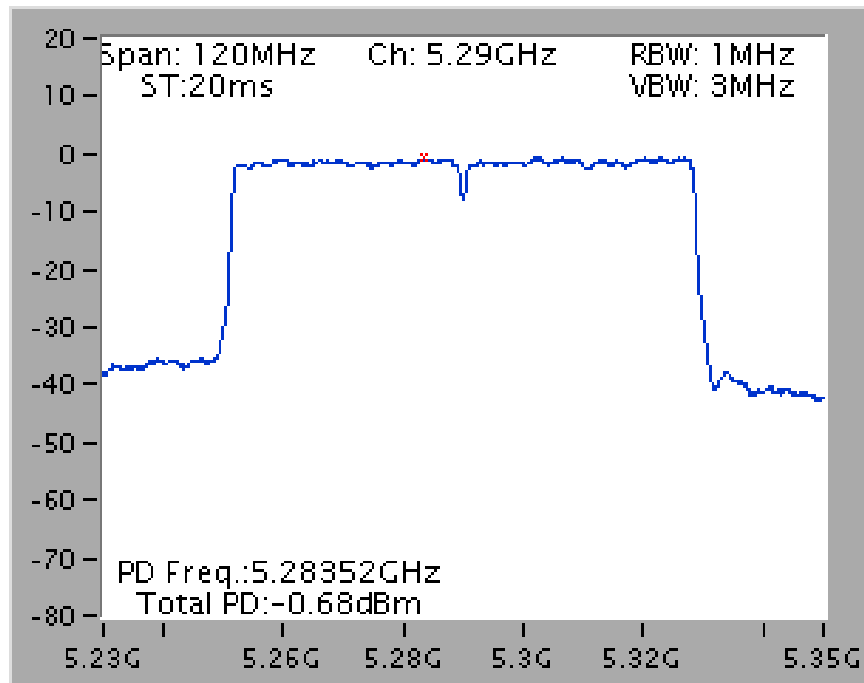


#### Power Density Plot on Chain 3 + Chain 4 / 5530 MHz

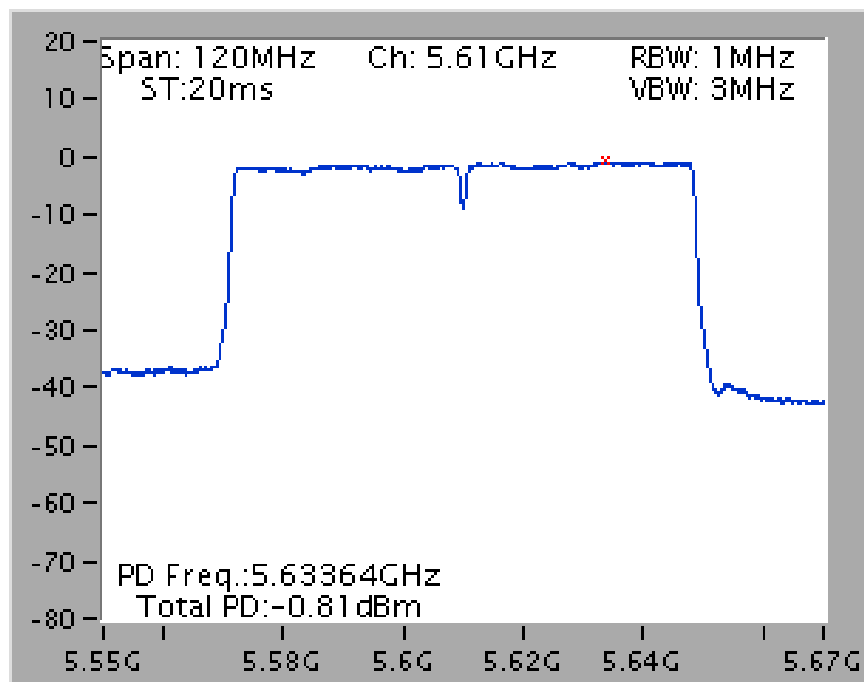


Type 6

Power Density Plot on Chain 1 + Chain 2 / 5290 MHz

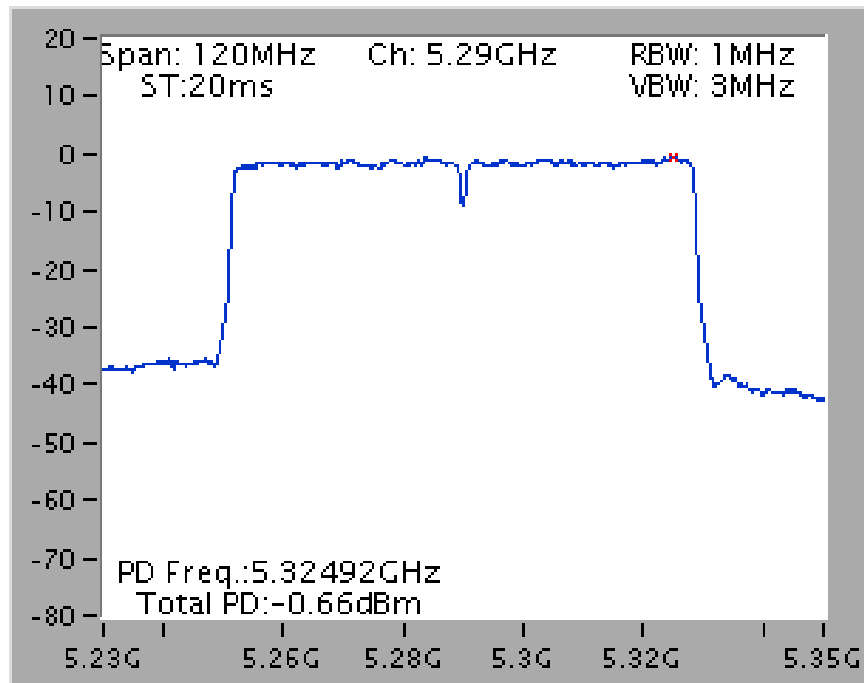


Power Density Plot on Chain 3 + Chain 4 / 5610 MHz

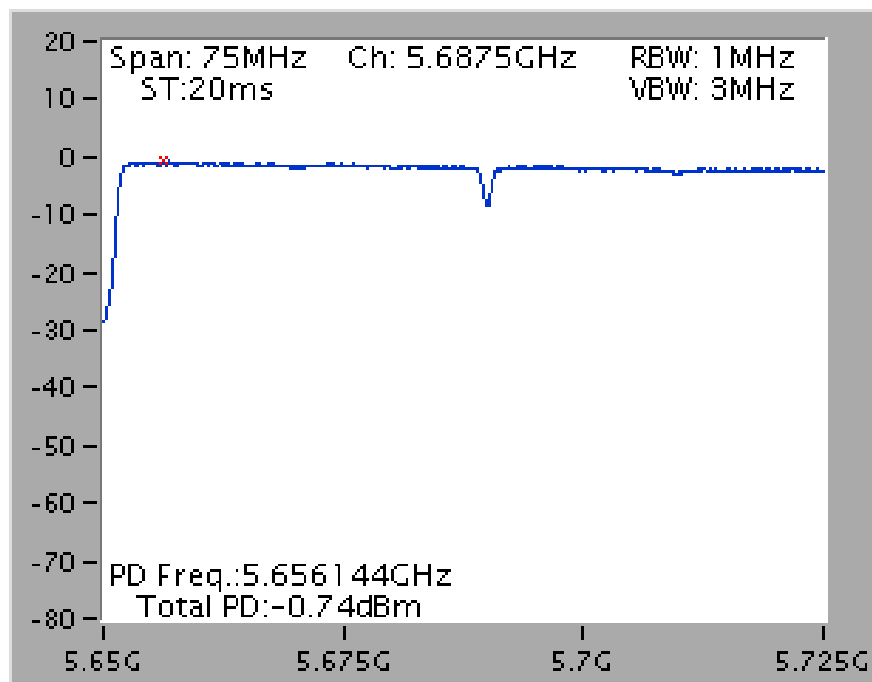


Type 7

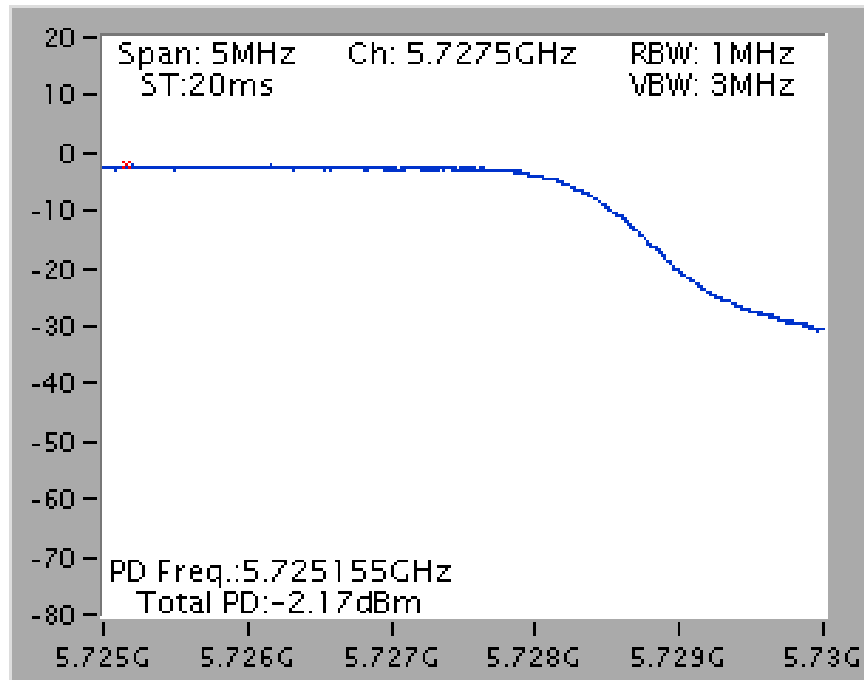
Power Density Plot on Chain 1 + Chain 2 / 5290 MHz



Power Density Plot on Chain 3 + Chain 4 / 5690 MHz (UNII 2C)

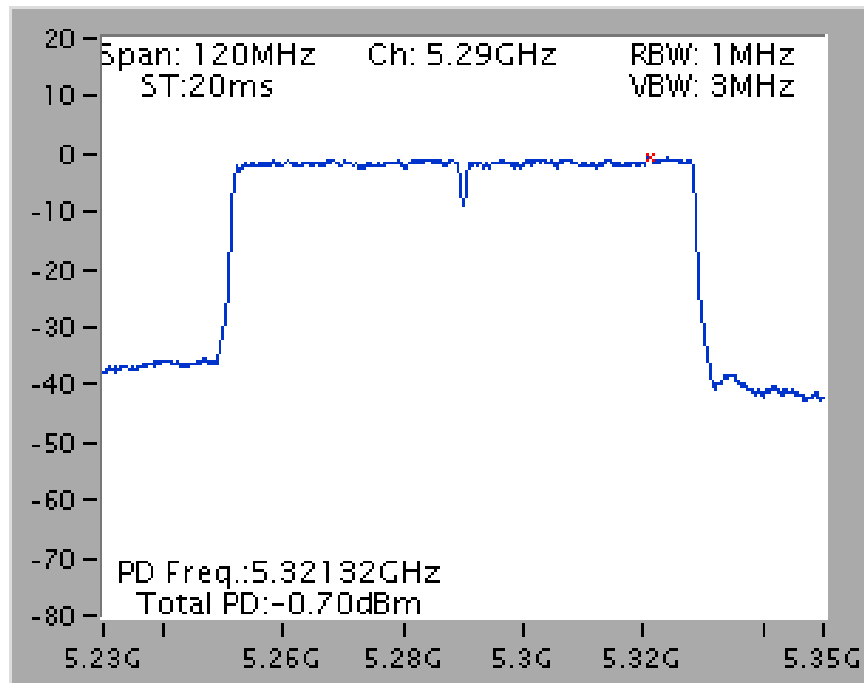


Power Density Plot on Chain 3 + Chain 4 / 5690 MHz (UNII 3)

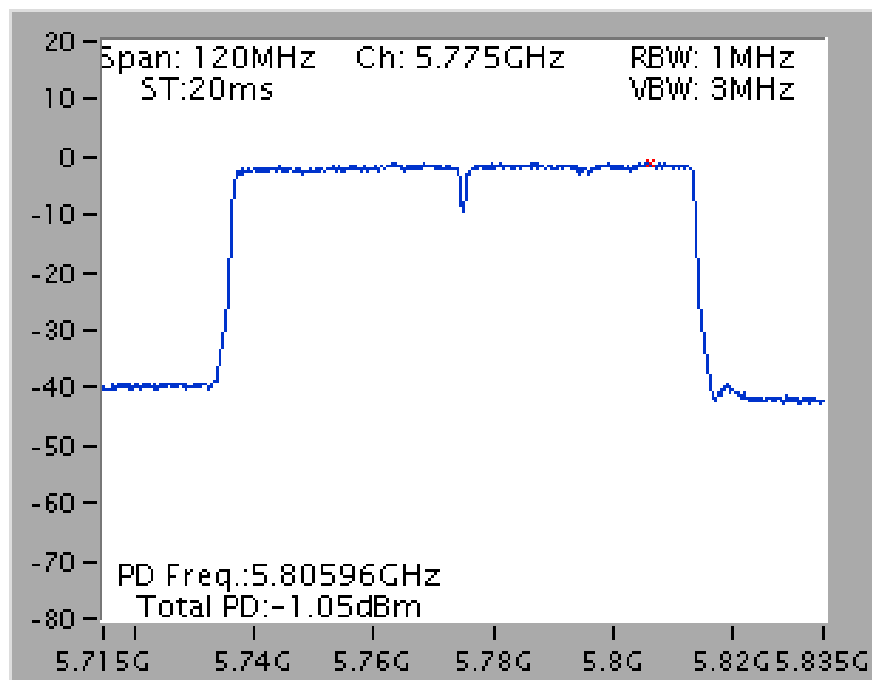


Type 8

Power Density Plot on Chain 1 + Chain 2 / 5290 MHz

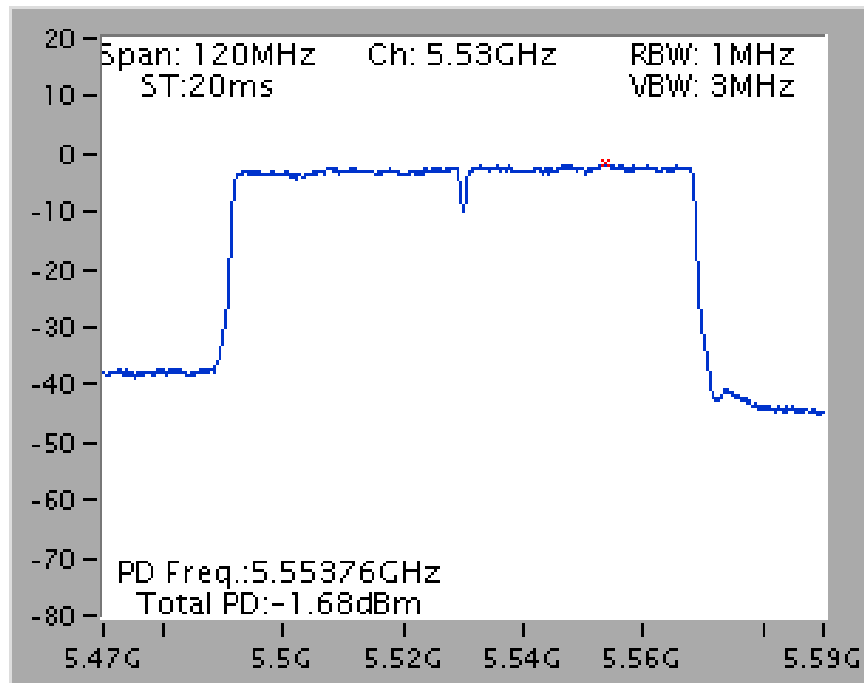


Power Density Plot on Chain 3 + Chain 4 / 5775 MHz

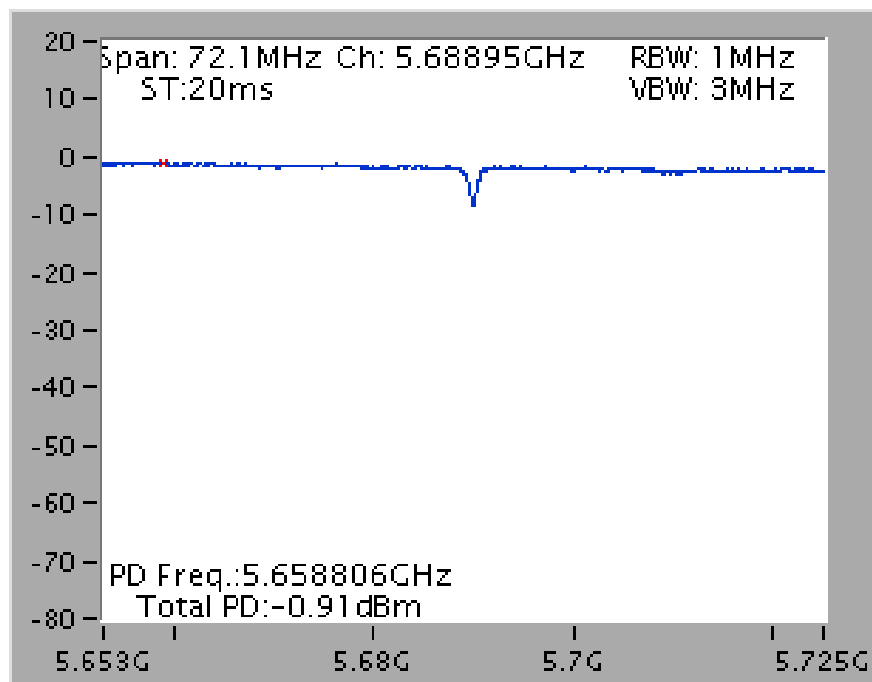


Type 9

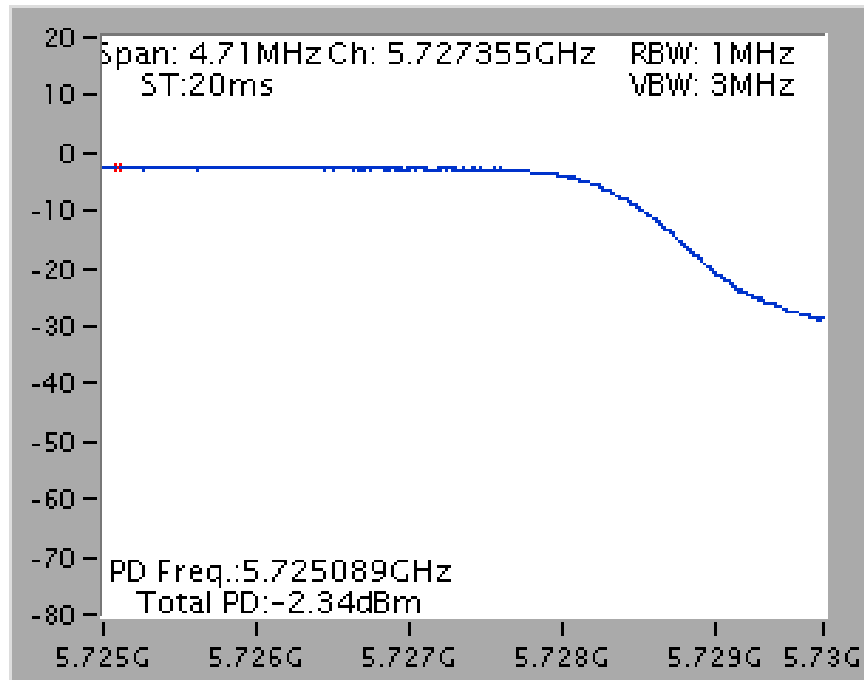
Power Density Plot on Chain 1 + Chain 2 / 5530 MHz



Power Density Plot on Chain 3 + Chain 4 / 5690 MHz (UNII 2C)

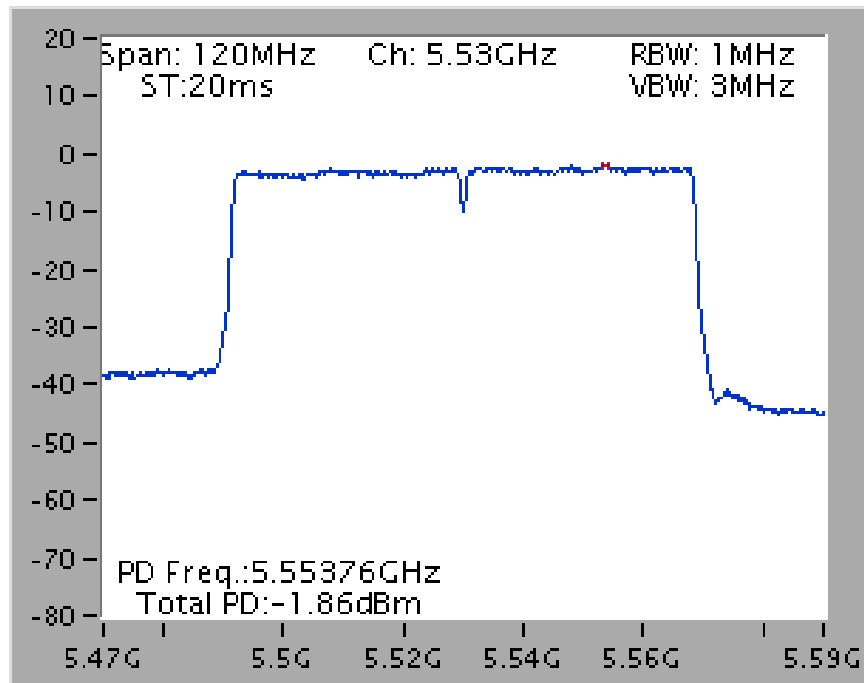


Power Density Plot on Chain 3 + Chain 4 / 5690 MHz (UNII 3)

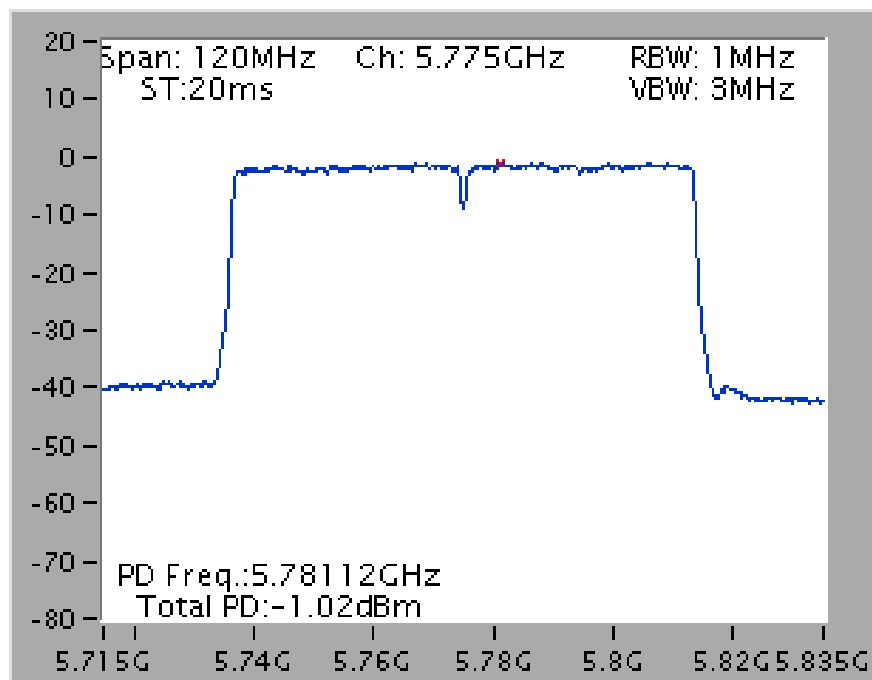


### Type 10

#### Power Density Plot on Chain 1 + Chain 2 / 5530 MHz

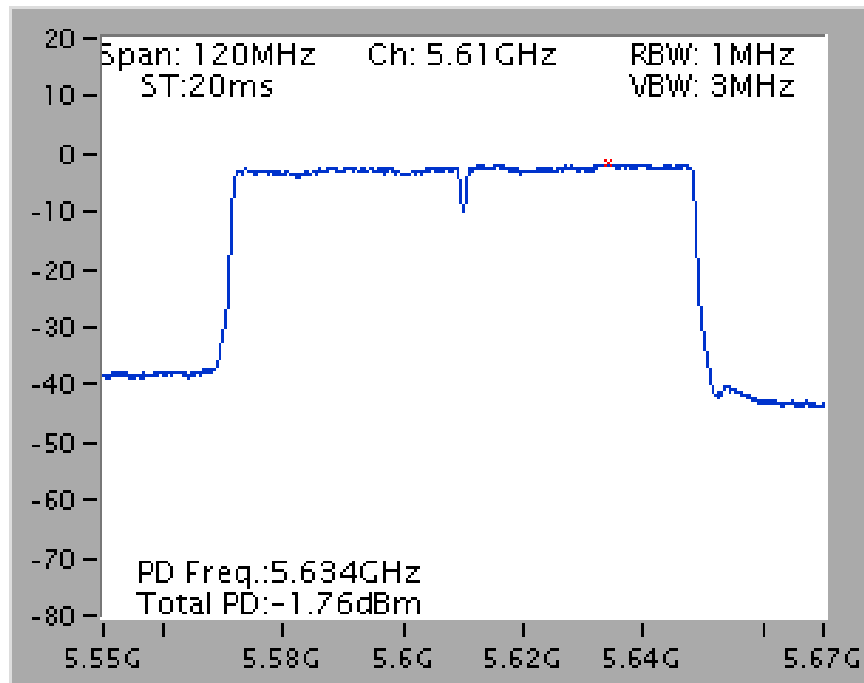


#### Power Density Plot on Chain 3 + Chain 4 / 5775 MHz

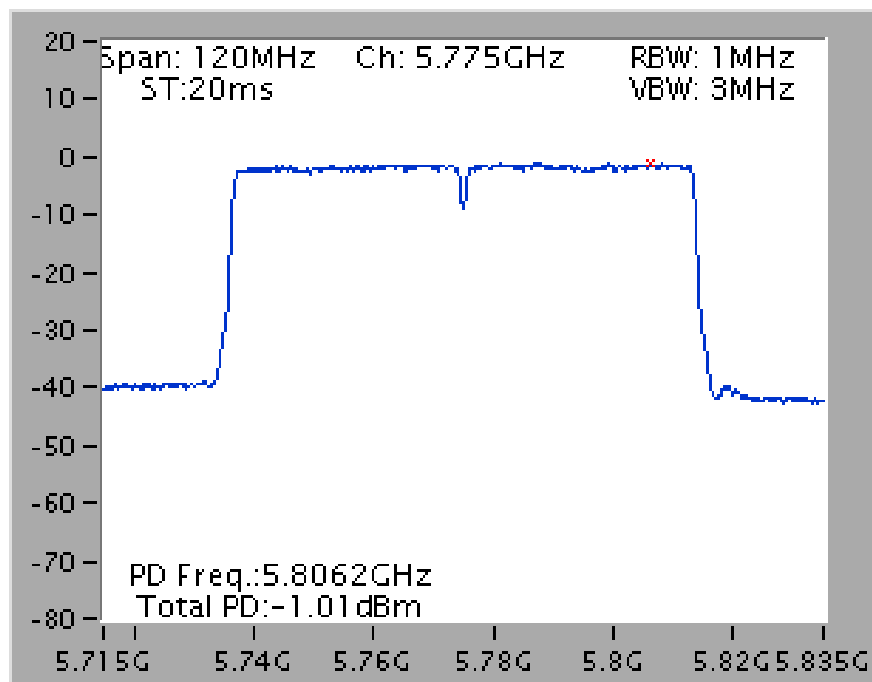


### Type 11

#### Power Density Plot on Chain 1 + Chain 2 / 5610 MHz

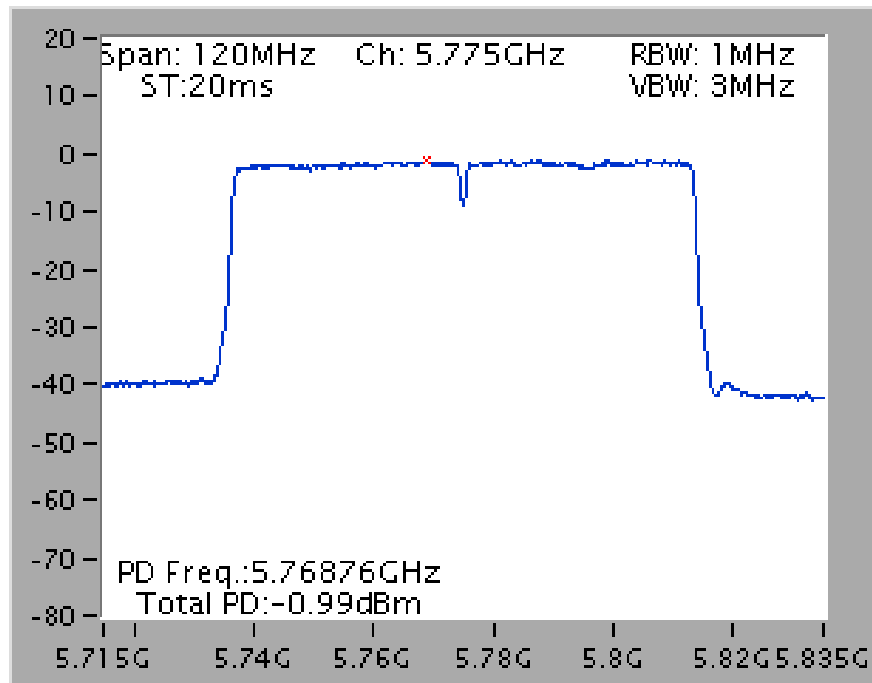


#### Power Density Plot on Chain 3 + Chain 4 / 5775 MHz

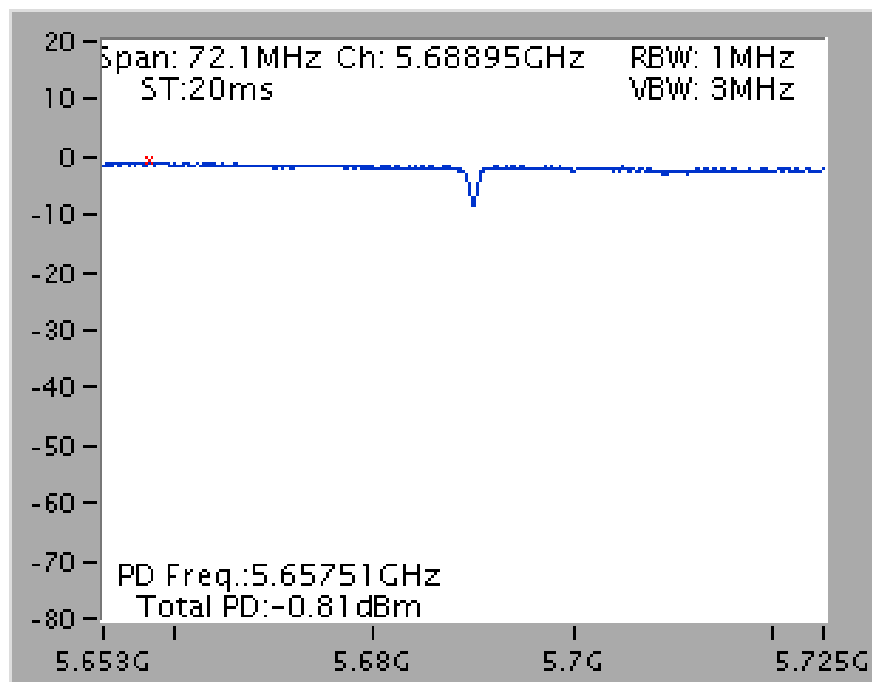


Type 12

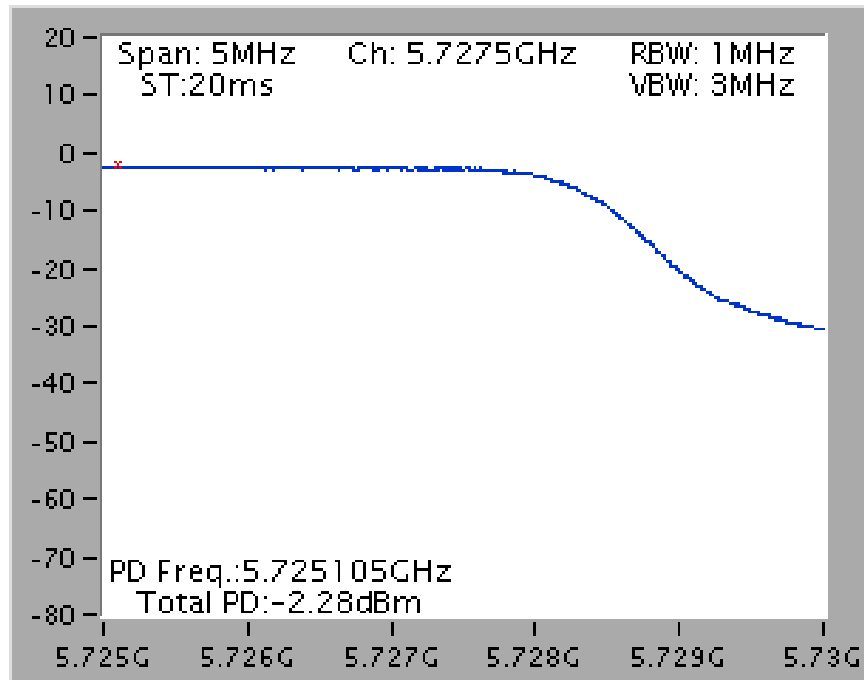
Power Density Plot on Chain 3 + Chain 4 / 5775 MHz



Power Density Plot on Chain 1 + Chain 2 / 5690 MHz (UNII 2C)

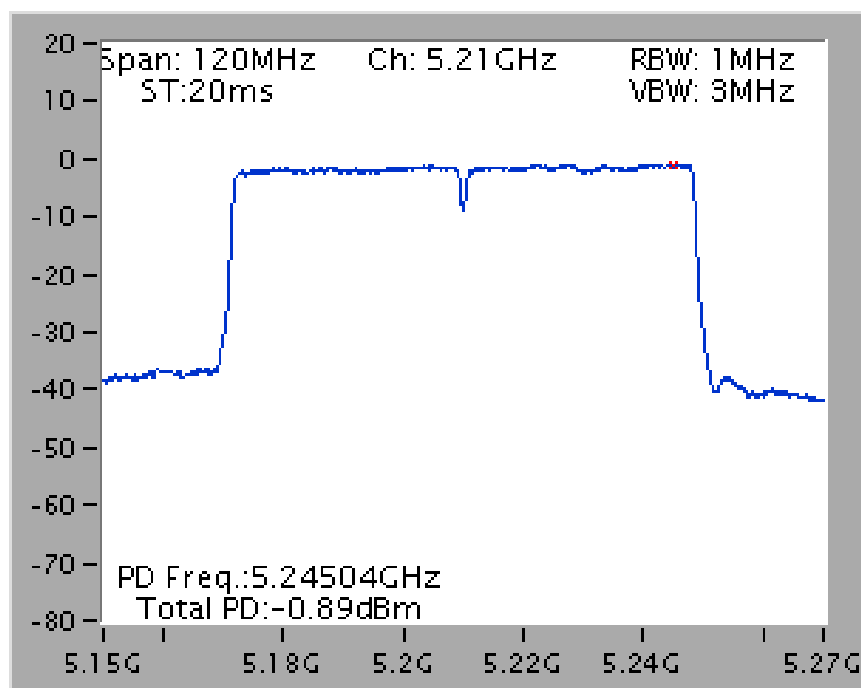


Power Density Plot on Chain 1 + Chain 2 / 5690 MHz (UNII 3)

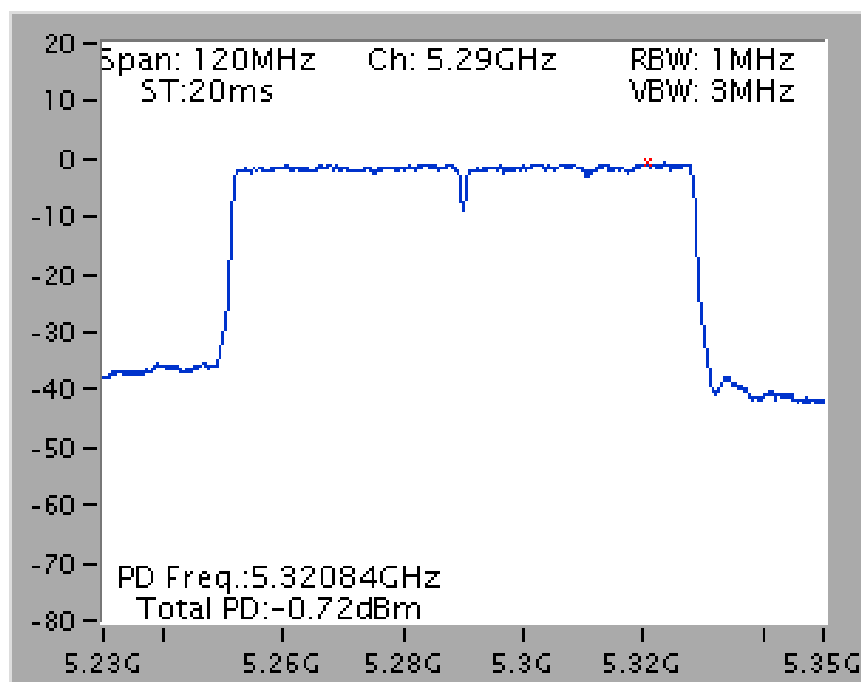


### Type 13

#### Power Density Plot on Chain 1 + Chain 2 / 5210 MHz

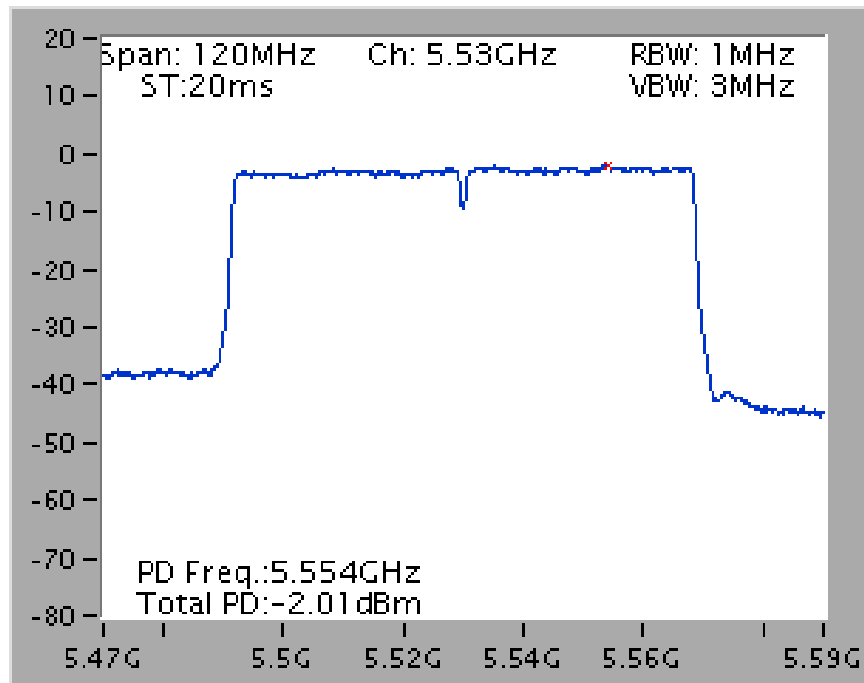


#### Power Density Plot on Chain 3 + Chain 4 / 5290 MHz

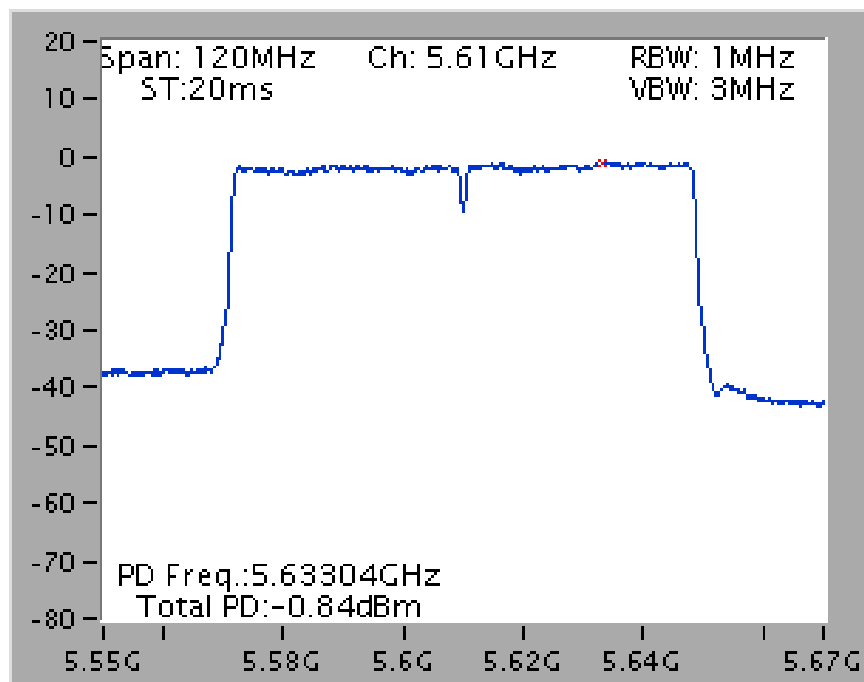


Type 14

Power Density Plot on Chain 1 + Chain 2 / 5530 MHz



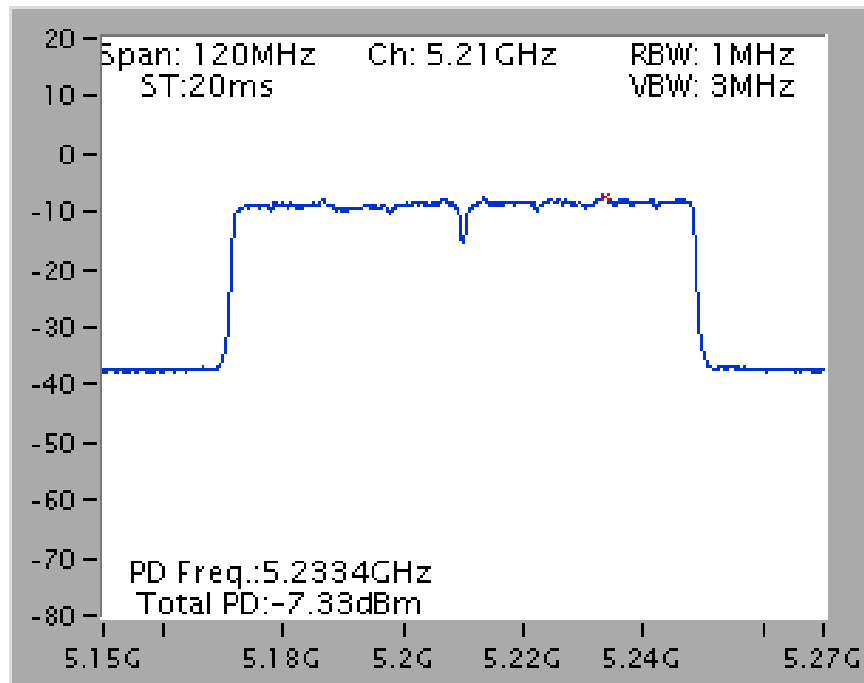
Power Density Plot on Chain 3 + Chain 4 / 5610 MHz



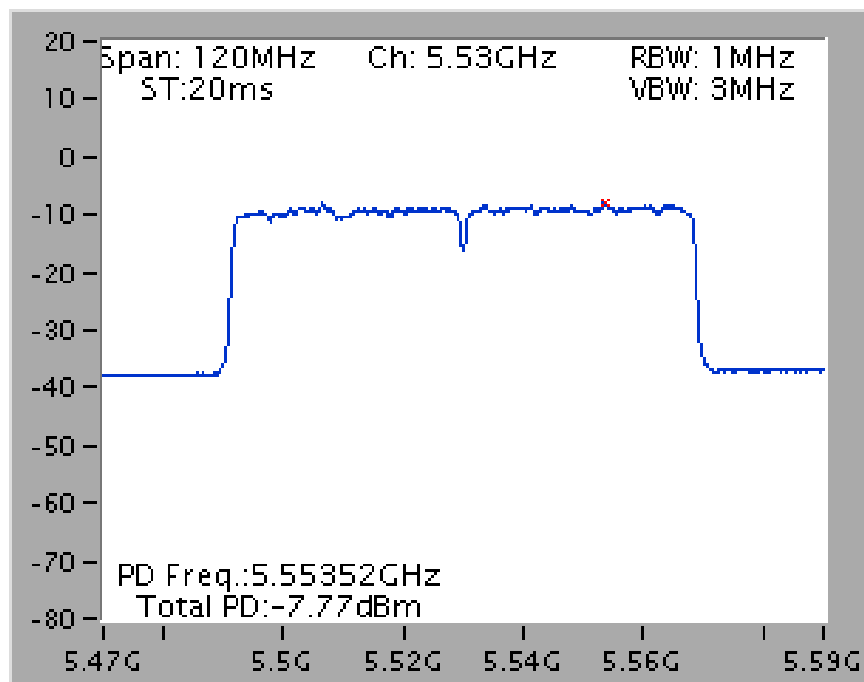
For outdoor use master B1

Type 1

Power Density Plot on Chain 1 + Chain 2 / 5210 MHz

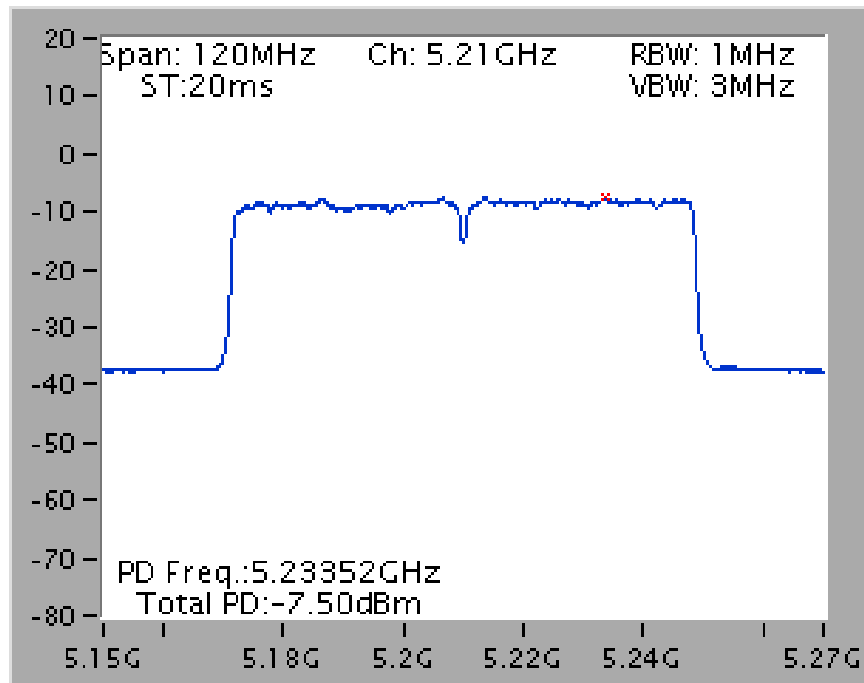


Power Density Plot on Chain 3 + Chain 4 / 5530 MHz

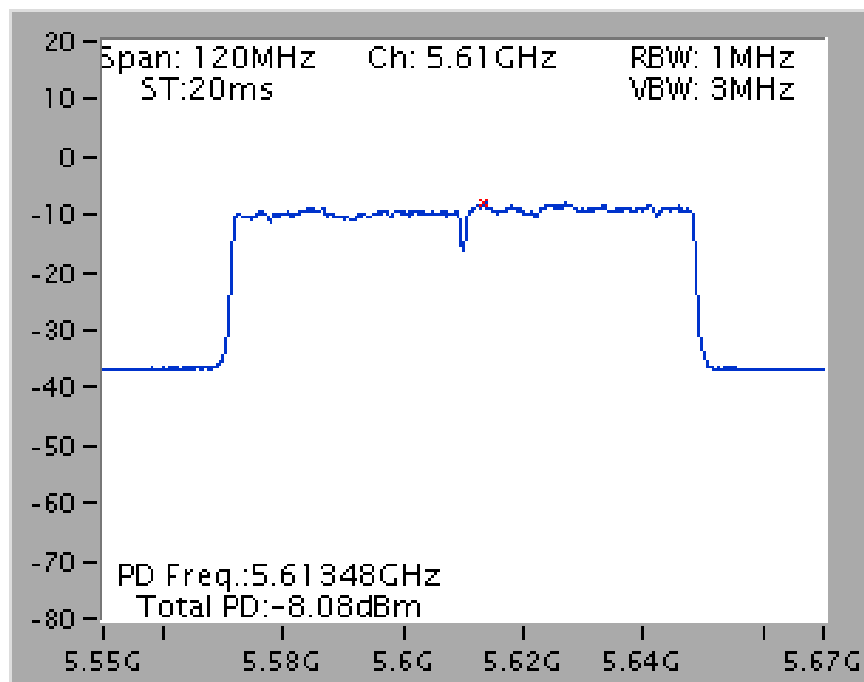


Type 2

Power Density Plot on Chain 1 + Chain 2 / 5210 MHz

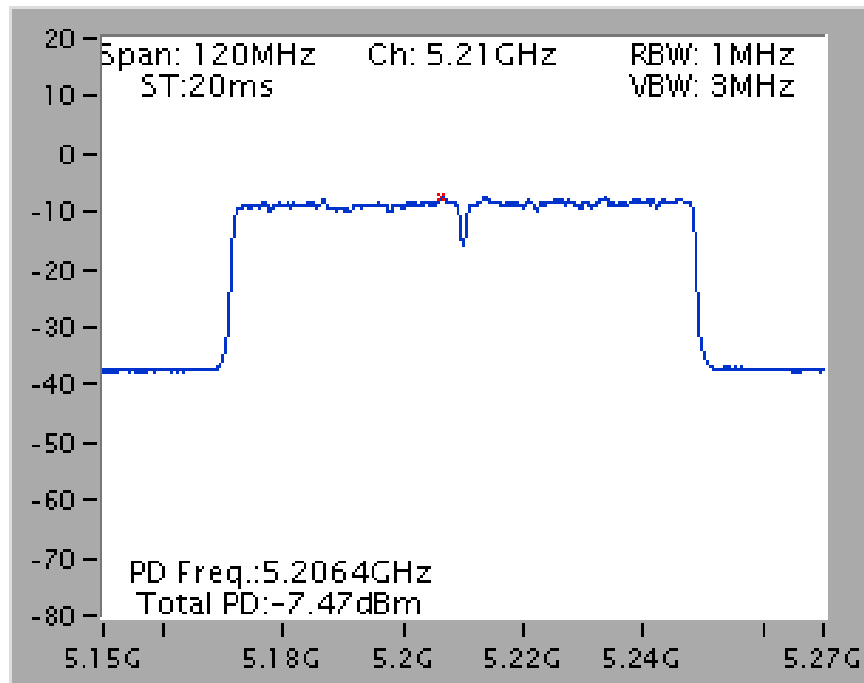


Power Density Plot on Chain 3 + Chain 4 / 5610 MHz

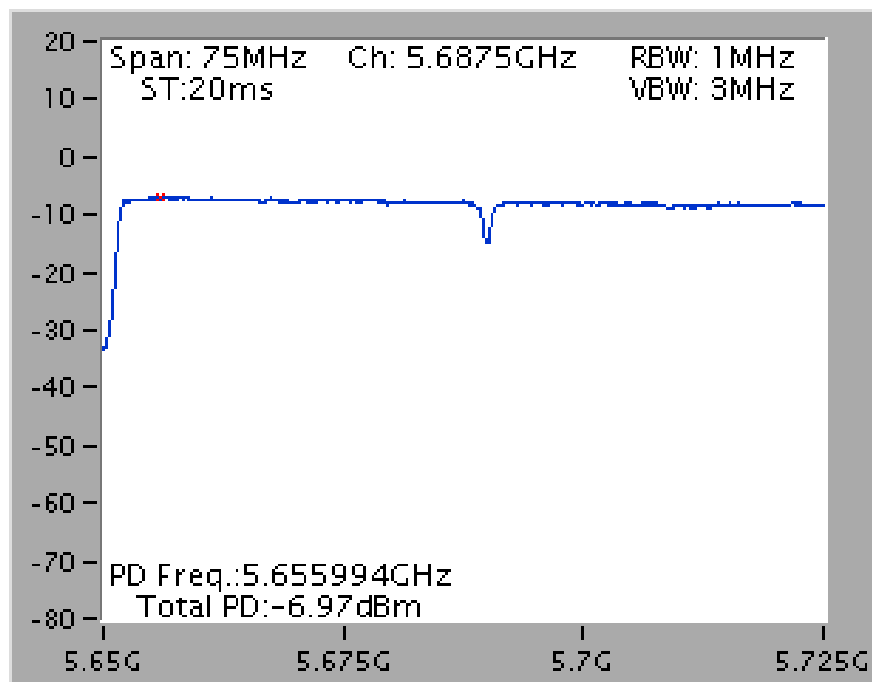


Type 3

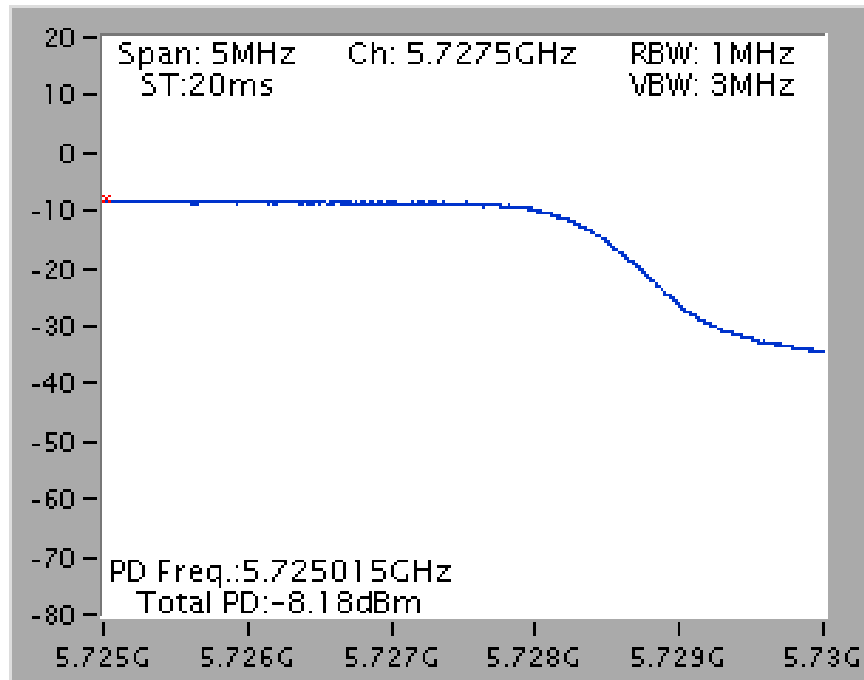
Power Density Plot on Chain 1 + Chain 2 / 5210 MHz



Power Density Plot on Chain 3 + Chain 4 / 5690 MHz (UNII 2C)

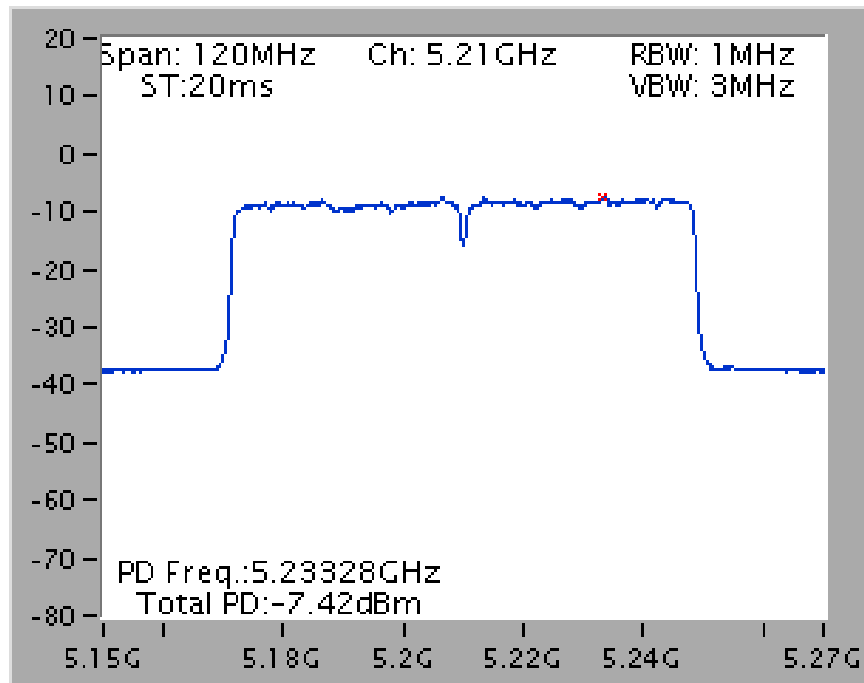


Power Density Plot on Chain 3 + Chain 4 / 5690 MHz (UNII 3)

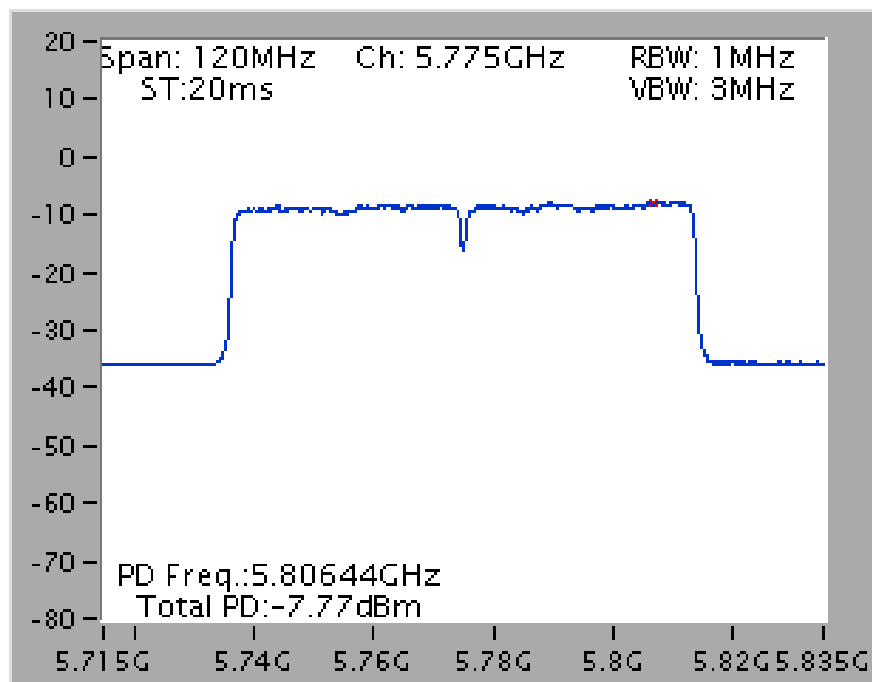


Type 4

Power Density Plot on Chain 1 + Chain 2 / 5210 MHz

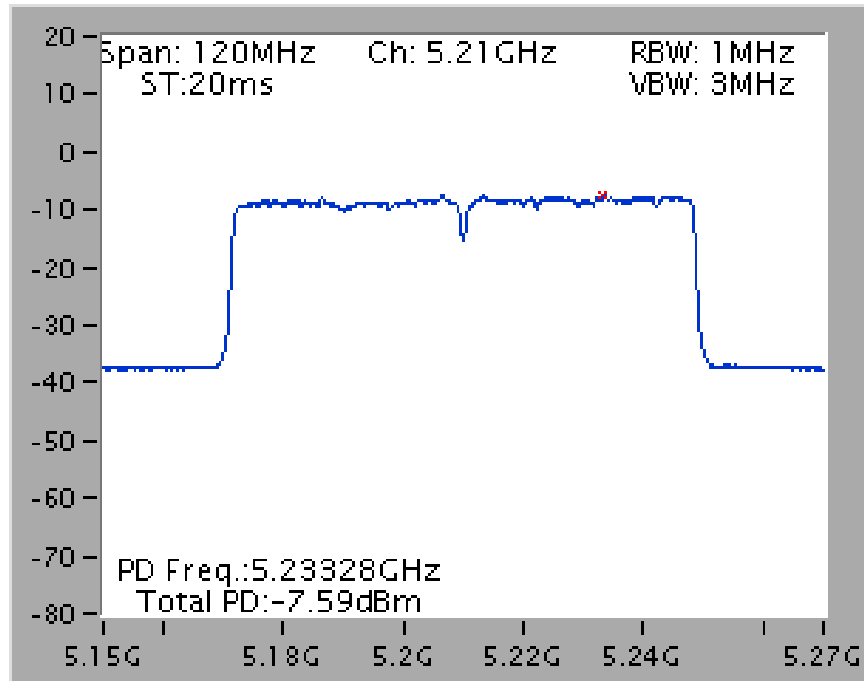


Power Density Plot on Chain 3 + Chain 4 / 5775 MHz

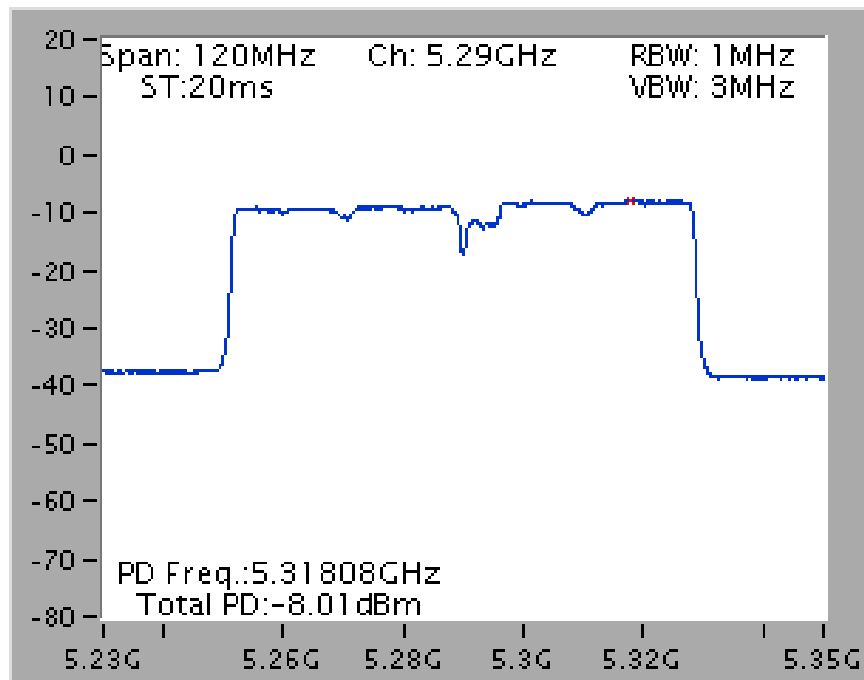


Type 13

Power Density Plot on Chain 1 + Chain 2 / 5210 MHz



Power Density Plot on Chain 3 + Chain 4 / 5290 MHz



## 4.6. Radiated Emissions Measurement

### 4.6.1. Limit

For transmitters operating in the 5.15-5.35 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of  $-27$  dBm/MHz.

For transmitters operating in the 5.470-5.725 GHz band: all emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of  $-27$  dBm/MHz.

For transmitters operating in the 5.725-5.85 GHz band: all emissions shall be limited to a level of  $-27$  dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

In addition, In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

| Frequencies<br>(MHz) | Field Strength<br>(micorvolts/meter) | Measurement Distance<br>(meters) |
|----------------------|--------------------------------------|----------------------------------|
| 0.009~0.490          | 2400/F(kHz)                          | 300                              |
| 0.490~1.705          | 24000/F(kHz)                         | 30                               |
| 1.705~30.0           | 30                                   | 30                               |
| 30~88                | 100                                  | 3                                |
| 88~216               | 150                                  | 3                                |
| 216~960              | 200                                  | 3                                |
| Above 960            | 500                                  | 3                                |

### 4.6.2. Measuring Instruments and Setting

Please refer to section 5 of equipments list in this report. The following table is the setting of spectrum analyzer and receiver.

| Spectrum Parameter                          | Setting                                           |
|---------------------------------------------|---------------------------------------------------|
| Attenuation                                 | Auto                                              |
| Start Frequency                             | 1000 MHz                                          |
| Stop Frequency                              | 40 GHz                                            |
| RBW / VBW (Emission in restricted band)     | 1 MHz / 3MHz for Peak,<br>1 MHz / 1/T for Average |
| RBW / VBW (Emission in non-restricted band) | 1 MHz / 3MHz for peak                             |

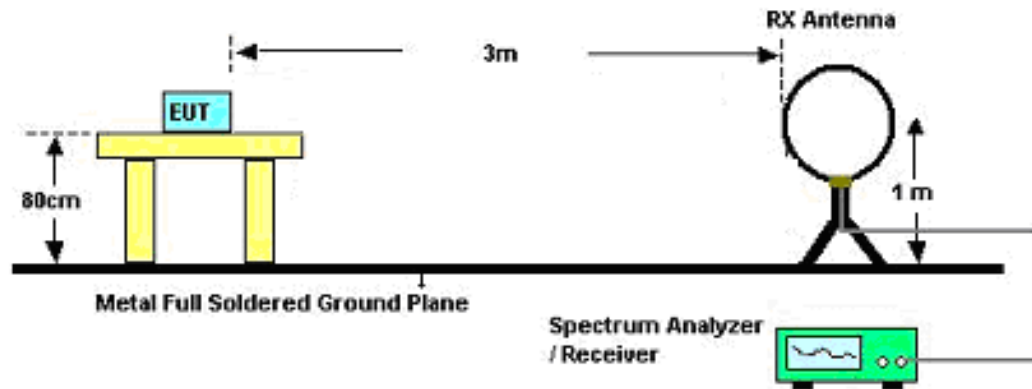
| Receiver Parameter     | Setting                           |
|------------------------|-----------------------------------|
| Attenuation            | Auto                              |
| Start ~ Stop Frequency | 9kHz~150kHz / RBW 200Hz for QP    |
| Start ~ Stop Frequency | 150kHz~30MHz / RBW 9kHz for QP    |
| Start ~ Stop Frequency | 30MHz~1000MHz / RBW 120kHz for QP |

#### 4.6.3. Test Procedures

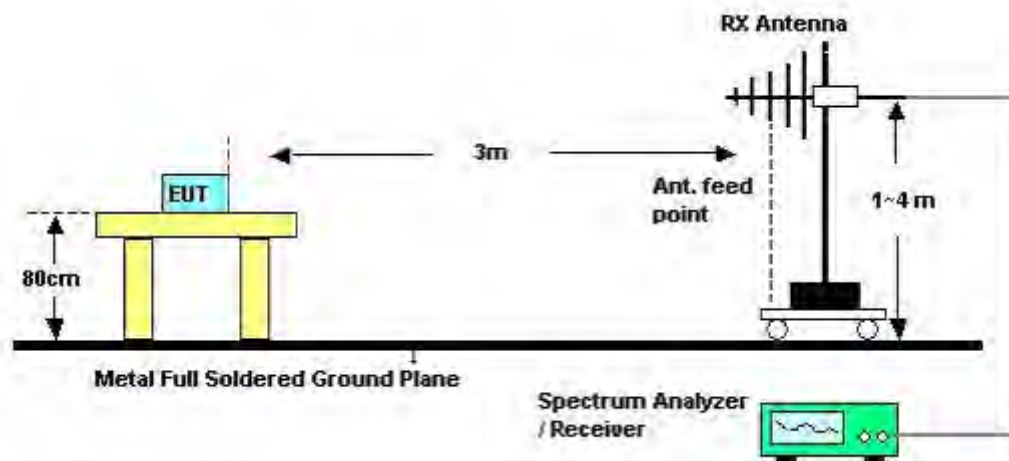
1. Configure the EUT according to ANSI C63.10. The EUT was placed on the top of the turntable 1.5 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 1m & 3m far away from the turntable.
2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
4. For each suspected emissions, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
6. For emissions above 1GHz, use 1MHz VBW and 3MHz RBW for peak reading. Then 1MHz RBW and 1/T VBW for average reading in spectrum analyzer.
7. If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
8. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
9. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High – Low scan is not required in this case.

#### 4.6.4. Test Setup Layout

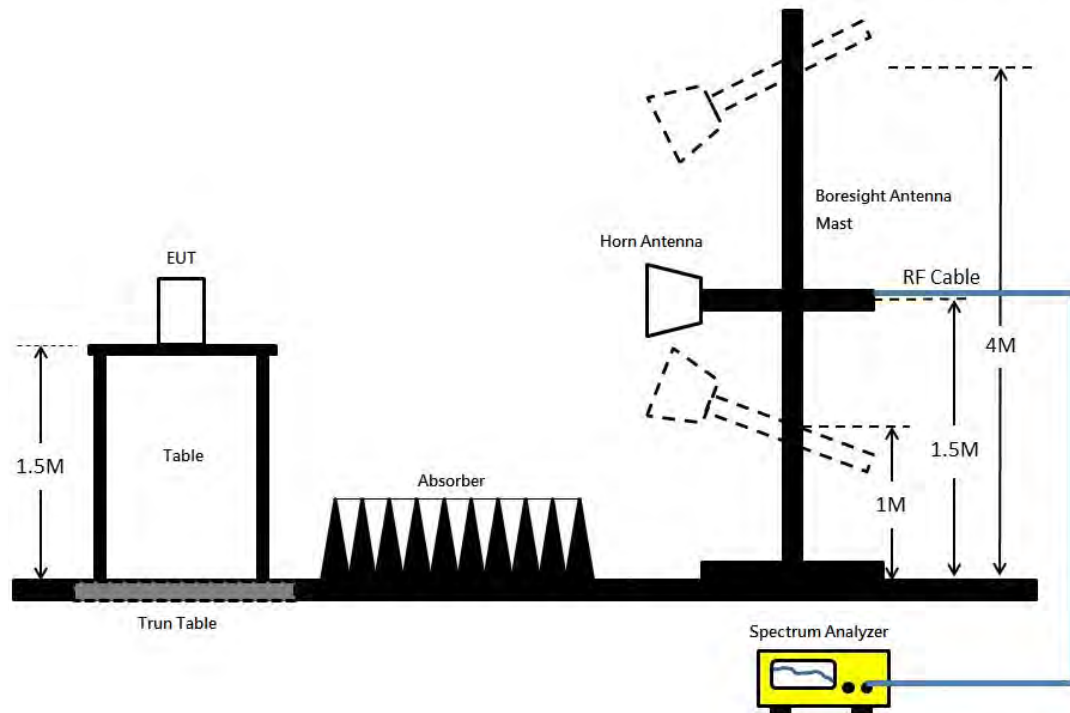
For Radiated Emissions: 9kHz ~30MHz



For Radiated Emissions: 30MHz~1GHz



## For Radiated Emissions: Above 1GHz



### 4.6.5. Test Deviation

There is no deviation with the original standard.

### 4.6.6. EUT Operation during Test

For Non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

For beamforming mode:

The EUT was programmed to be in beamforming transmitting mode.

#### 4.6.7. Results of Radiated Emissions (9kHz~30MHz)

|               |                         |                |        |
|---------------|-------------------------|----------------|--------|
| Temperature   | 22°C                    | Humidity       | 54%    |
| Test Engineer | Nyle Chang & Eason Chen | Configurations | CTX    |
| Test Date     | Aug. 16, 2016           | Test Mode      | Mode 2 |

| Freq.<br>(MHz) | Level<br>(dBuV) | Over Limit<br>(dB) | Limit Line<br>(dBuV) | Remark   |
|----------------|-----------------|--------------------|----------------------|----------|
| -              | -               | -                  | -                    | See Note |

Note:

The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

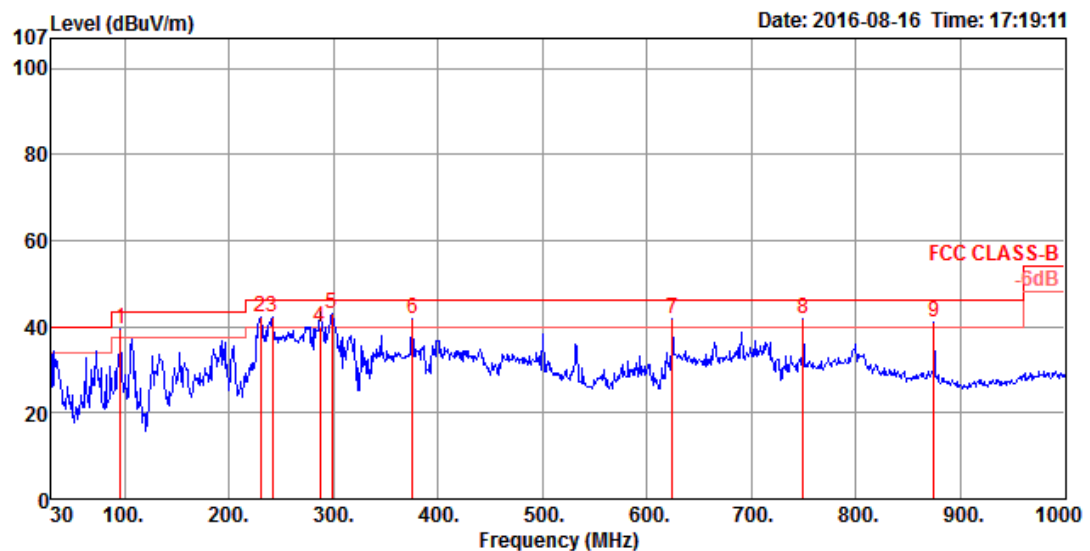
Distance extrapolation factor =  $40 \log (\text{specific distance} / \text{test distance})$  (dB);

Limit line = specific limits (dBuV) + distance extrapolation factor.

#### 4.6.8. Results of Radiated Emissions (30MHz~1GHz)

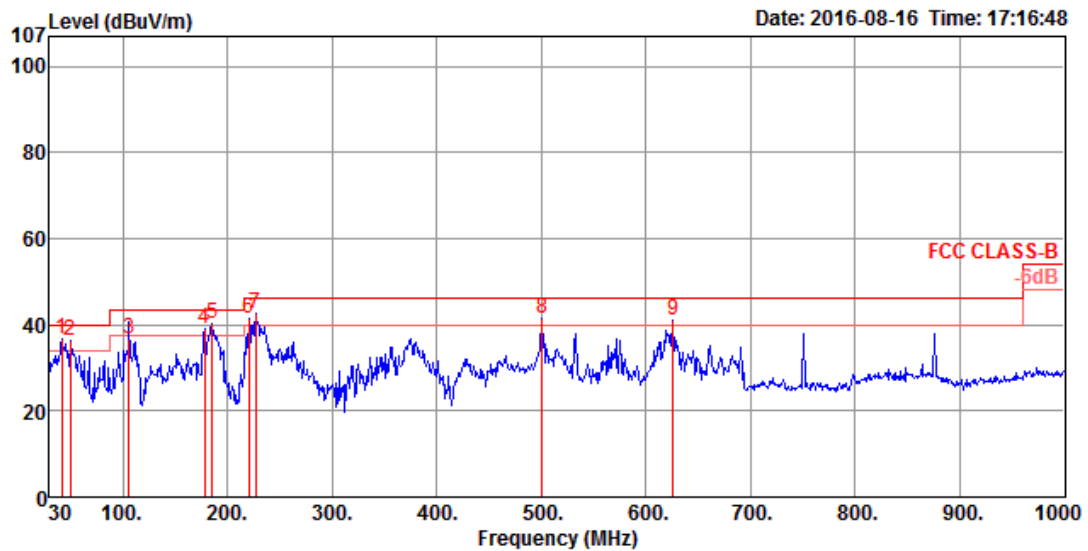
|               |                         |                |     |
|---------------|-------------------------|----------------|-----|
| Temperature   | 22°C                    | Humidity       | 54% |
| Test Engineer | Nyle Chang & Eason Chen | Configurations | CTX |
| Test Mode     | Mode 2                  |                |     |

##### Horizontal



|   | Freq   | Level  | Limit  | Over  | Read  | CableAntenna | Preamp | A/Pos  | T/Pos | Remark   | Pol/Phase  |
|---|--------|--------|--------|-------|-------|--------------|--------|--------|-------|----------|------------|
|   | MHz    | dBuV/m | dBuV/m | Limit | Level | Loss         | Factor | Factor | cm    | deg      |            |
| 1 | 95.96  | 39.48  | 43.50  | -4.02 | 54.16 | 0.87         | 16.30  | 31.85  | 200   | 322 Peak | HORIZONTAL |
| 2 | 229.82 | 42.40  | 46.00  | -3.60 | 56.17 | 1.21         | 17.00  | 31.98  | 125   | 74 Peak  | HORIZONTAL |
| 3 | 241.46 | 42.40  | 46.00  | -3.60 | 55.00 | 1.23         | 18.12  | 31.95  | 150   | 235 Peak | HORIZONTAL |
| 4 | 287.05 | 39.77  | 46.00  | -6.23 | 51.10 | 1.34         | 19.37  | 32.04  | 125   | 236 QP   | HORIZONTAL |
| 5 | 298.69 | 42.95  | 46.00  | -3.05 | 54.03 | 1.37         | 19.56  | 32.01  | 125   | 260 Peak | HORIZONTAL |
| 6 | 375.32 | 41.75  | 46.00  | -4.25 | 50.64 | 1.50         | 21.73  | 32.12  | 100   | 98 Peak  | HORIZONTAL |
| 7 | 624.61 | 41.74  | 46.00  | -4.26 | 47.06 | 1.97         | 25.16  | 32.45  | 125   | 125 Peak | HORIZONTAL |
| 8 | 749.74 | 41.68  | 46.00  | -4.32 | 46.07 | 2.19         | 26.00  | 32.58  | 150   | 241 Peak | HORIZONTAL |
| 9 | 874.87 | 41.08  | 46.00  | -4.92 | 44.04 | 2.38         | 27.15  | 32.49  | 100   | 46 Peak  | HORIZONTAL |

### Vertical



|   | Freq   | Level  | Limit  | Over  | Read  | CableAntenna | Preamp | A/Pos | T/Pos | Remark   | Pol/Phase |
|---|--------|--------|--------|-------|-------|--------------|--------|-------|-------|----------|-----------|
|   | MHz    | dBuV/m | dBuV/m | dB    | dBuV  | dB           | dB/m   | dB    | cm    | deg      |           |
| 1 | 41.64  | 36.86  | 40.00  | -3.14 | 49.26 | 0.56         | 18.71  | 31.67 | 100   | 229 Peak | VERTICAL  |
| 2 | 49.40  | 36.31  | 40.00  | -3.69 | 52.37 | 0.61         | 15.08  | 31.75 | 125   | 196 Peak | VERTICAL  |
| 3 | 105.66 | 36.90  | 43.50  | -6.60 | 50.20 | 0.87         | 17.69  | 31.86 | 100   | 295 QP   | VERTICAL  |
| 4 | 178.41 | 39.19  | 43.50  | -4.31 | 54.53 | 1.06         | 15.54  | 31.94 | 100   | 132 Peak | VERTICAL  |
| 5 | 185.20 | 40.17  | 43.50  | -3.33 | 55.60 | 1.08         | 15.45  | 31.96 | 100   | 147 Peak | VERTICAL  |
| 6 | 220.12 | 41.51  | 46.00  | -4.49 | 55.98 | 1.18         | 16.30  | 31.95 | 200   | 310 Peak | VERTICAL  |
| 7 | 226.91 | 42.75  | 46.00  | -3.25 | 56.74 | 1.20         | 16.78  | 31.97 | 200   | 270 Peak | VERTICAL  |
| 8 | 500.45 | 41.30  | 46.00  | -4.70 | 48.13 | 1.76         | 23.73  | 32.32 | 100   | 144 Peak | VERTICAL  |
| 9 | 625.58 | 40.99  | 46.00  | -5.01 | 46.31 | 1.97         | 25.16  | 32.45 | 100   | 40 Peak  | VERTICAL  |

### Note:

The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

#### 4.6.9. Results for Radiated Emissions (1GHz~40GHz)

For non-beamforming mode

|               |                                         |                |                                                               |
|---------------|-----------------------------------------|----------------|---------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                           |
| Test Engineer | Zero Chen & Stim<br>Sung & Steven Liang | Configurations | IEEE 802.11a CH 36 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 17, 2016                           |                |                                                               |

##### Horizontal

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos  | T/Pos | Remark      | Pol/Phase  |
|---|----------|--------|--------|--------|-------|--------------|--------|--------|-------|-------------|------------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | Loss         | Factor | Factor | cm    | deg         |            |
| 1 | 15530.36 | 47.81  | 54.00  | -6.19  | 31.11 | 12.06        | 38.13  | 33.49  | 164   | 180 Average | HORIZONTAL |
| 2 | 15534.84 | 61.18  | 74.00  | -12.82 | 44.48 | 12.06        | 38.13  | 33.49  | 164   | 180 Peak    | HORIZONTAL |

##### Vertical

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos  | T/Pos | Remark      | Pol/Phase |
|---|----------|--------|--------|--------|-------|--------------|--------|--------|-------|-------------|-----------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | Loss         | Factor | Factor | cm    | deg         |           |
| 1 | 15530.00 | 47.99  | 54.00  | -6.01  | 31.29 | 12.06        | 38.13  | 33.49  | 149   | 109 Average | VERTICAL  |
| 2 | 15542.68 | 61.98  | 74.00  | -12.02 | 45.28 | 12.06        | 38.13  | 33.49  | 149   | 109 Peak    | VERTICAL  |

|               |                                         |                |                                                               |
|---------------|-----------------------------------------|----------------|---------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                           |
| Test Engineer | Zero Chen & Stim Sung<br>& Steven Liang | Configurations | IEEE 802.11a CH 40 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 17, 2016                           |                |                                                               |

### Horizontal

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos  | T/Pos | Remark      | Pol/Phase  |
|---|----------|--------|--------|--------|-------|--------------|--------|--------|-------|-------------|------------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | Loss         | Factor | Factor | cm    | deg         |            |
| 1 | 10397.40 | 64.04  | 68.20  | -4.16  | 49.53 | 9.54         | 38.54  | 33.57  | 213   | 118 Peak    | HORIZONTAL |
| 2 | 15592.30 | 60.51  | 74.00  | -13.49 | 43.90 | 12.09        | 38.05  | 33.53  | 256   | 207 Peak    | HORIZONTAL |
| 3 | 15623.90 | 47.75  | 54.00  | -6.25  | 31.24 | 12.11        | 37.98  | 33.58  | 256   | 207 Average | HORIZONTAL |

### Vertical

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos  | T/Pos | Remark      | Pol/Phase |
|---|----------|--------|--------|--------|-------|--------------|--------|--------|-------|-------------|-----------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | Loss         | Factor | Factor | cm    | deg         |           |
| 1 | 10396.40 | 68.07  | 68.20  | -0.13  | 53.58 | 9.54         | 38.54  | 33.59  | 235   | 361 Peak    | VERTICAL  |
| 2 | 15589.30 | 60.68  | 74.00  | -13.32 | 44.07 | 12.09        | 38.05  | 33.53  | 194   | 213 Peak    | VERTICAL  |
| 3 | 15596.00 | 48.13  | 54.00  | -5.87  | 31.52 | 12.09        | 38.05  | 33.53  | 194   | 213 Average | VERTICAL  |

|               |                                         |                |                                                               |
|---------------|-----------------------------------------|----------------|---------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                           |
| Test Engineer | Zero Chen & Stim<br>Sung & Steven Liang | Configurations | IEEE 802.11a CH 48 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 17, 2016                           |                |                                                               |

#### Horizontal

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos  | T/Pos | Remark      | Pol/Phase  |
|---|----------|--------|--------|--------|-------|--------------|--------|--------|-------|-------------|------------|
|   | MHz      | dBuV/m | Line   | Limit  | Level | Loss         | Factor | Factor |       |             |            |
|   |          |        | dBuV/m | dB     | dBuV  | dB           | dB/m   | dB     | cm    | deg         |            |
| 1 | 15723.80 | 61.17  | 74.00  | -12.83 | 44.85 | 12.15        | 37.84  | 33.67  | 233   | 281 Peak    | HORIZONTAL |
| 2 | 15733.50 | 48.46  | 54.00  | -5.54  | 32.14 | 12.15        | 37.84  | 33.67  | 233   | 281 Average | HORIZONTAL |

#### Vertical

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos  | T/Pos | Remark     | Pol/Phase |
|---|----------|--------|--------|--------|-------|--------------|--------|--------|-------|------------|-----------|
|   | MHz      | dBuV/m | Line   | Limit  | Level | Loss         | Factor | Factor |       |            |           |
|   |          |        | dBuV/m | dB     | dBuV  | dB           | dB/m   | dB     | cm    | deg        |           |
| 1 | 15718.20 | 48.51  | 54.00  | -5.49  | 32.19 | 12.15        | 37.84  | 33.67  | 234   | 45 Average | VERTICAL  |
| 2 | 15743.00 | 61.27  | 74.00  | -12.73 | 45.00 | 12.18        | 37.76  | 33.67  | 234   | 45 Peak    | VERTICAL  |

|               |                                         |                |                                                               |
|---------------|-----------------------------------------|----------------|---------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                           |
| Test Engineer | Zero Chen & Stim Sung<br>& Steven Liang | Configurations | IEEE 802.11a CH 52 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 17, 2016                           |                |                                                               |

### Horizontal

|   | Freq     | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|----------|--------|---------------|---------------|---------------|-----------------------------|------------------|-------|-------|-------------|------------|
|   | MHz      | dBuV/m | dBuV/m        | dB            | dBuV          | dB                          | dB/m             | dB    | cm    | deg         |            |
| 1 | 10519.20 | 61.56  | 68.20         | -6.64         | 47.08         | 9.60                        | 38.40            | 33.52 | 228   | 76 Peak     | HORIZONTAL |
| 2 | 15767.40 | 47.83  | 54.00         | -6.17         | 31.61         | 12.18                       | 37.76            | 33.72 | 129   | 123 Average | HORIZONTAL |
| 3 | 15791.40 | 60.37  | 74.00         | -13.63        | 44.20         | 12.20                       | 37.69            | 33.72 | 129   | 123 Peak    | HORIZONTAL |

### Vertical

|   | Freq     | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark      | Pol/Phase |
|---|----------|--------|---------------|---------------|---------------|-----------------------------|------------------|-------|-------|-------------|-----------|
|   | MHz      | dBuV/m | dBuV/m        | dB            | dBuV          | dB                          | dB/m             | dB    | cm    | deg         |           |
| 1 | 10518.20 | 63.56  | 68.20         | -4.64         | 49.08         | 9.60                        | 38.40            | 33.52 | 100   | 29 Peak     | VERTICAL  |
| 2 | 15768.00 | 48.07  | 54.00         | -5.93         | 31.85         | 12.18                       | 37.76            | 33.72 | 224   | 279 Average | VERTICAL  |
| 3 | 15781.20 | 60.12  | 74.00         | -13.88        | 43.90         | 12.18                       | 37.76            | 33.72 | 224   | 279 Peak    | VERTICAL  |

|               |                                         |                |                                                               |
|---------------|-----------------------------------------|----------------|---------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                           |
| Test Engineer | Zero Chen & Stim Sung<br>& Steven Liang | Configurations | IEEE 802.11a CH 60 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 17, 2016                           |                |                                                               |

#### Horizontal

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos  | T/Pos | Remark      | Pol/Phase  |
|---|----------|--------|--------|--------|-------|--------------|--------|--------|-------|-------------|------------|
|   | MHz      | dBuV/m | Line   | Limit  | Level | Loss         | Factor | Factor |       |             |            |
|   |          |        | dBuV/m | dB     | dBuV  | dB           | dB/m   | dB     | cm    | deg         |            |
| 1 | 15892.20 | 60.46  | 74.00  | -13.54 | 44.48 | 12.24        | 37.55  | 33.81  | 179   | 101 Peak    | HORIZONTAL |
| 2 | 15925.00 | 47.44  | 54.00  | -6.56  | 31.55 | 12.27        | 37.47  | 33.85  | 179   | 101 Average | HORIZONTAL |

#### Vertical

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos  | T/Pos | Remark      | Pol/Phase |
|---|----------|--------|--------|--------|-------|--------------|--------|--------|-------|-------------|-----------|
|   | MHz      | dBuV/m | Line   | Limit  | Level | Loss         | Factor | Factor |       |             |           |
|   |          |        | dBuV/m | dB     | dBuV  | dB           | dB/m   | dB     | cm    | deg         |           |
| 1 | 15878.70 | 60.20  | 74.00  | -13.80 | 44.22 | 12.24        | 37.55  | 33.81  | 266   | 308 Peak    | VERTICAL  |
| 2 | 15921.30 | 47.56  | 54.00  | -6.44  | 31.67 | 12.27        | 37.47  | 33.85  | 266   | 308 Average | VERTICAL  |

|               |                                         |                |                                                               |
|---------------|-----------------------------------------|----------------|---------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                           |
| Test Engineer | Zero Chen & Stim Sung<br>& Steven Liang | Configurations | IEEE 802.11a CH 64 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 17, 2016                           |                |                                                               |

### Horizontal

|   | Freq     | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|----------|--------|---------------|---------------|---------------|-----------------------------|------------------|-------|-------|-------------|------------|
|   | MHz      | dBuV/m | dBuV/m        | dB            | dBuV          | dB                          | dB/m             | dB    | cm    | deg         |            |
| 1 | 15974.90 | 60.60  | 74.00         | -13.40        | 44.81         | 12.29                       | 37.40            | 33.90 | 164   | 250 Peak    | HORIZONTAL |
| 2 | 15977.70 | 48.02  | 54.00         | -5.98         | 32.23         | 12.29                       | 37.40            | 33.90 | 164   | 250 Average | HORIZONTAL |

### Vertical

|   | Freq     | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark      | Pol/Phase |
|---|----------|--------|---------------|---------------|---------------|-----------------------------|------------------|-------|-------|-------------|-----------|
|   | MHz      | dBuV/m | dBuV/m        | dB            | dBuV          | dB                          | dB/m             | dB    | cm    | deg         |           |
| 1 | 15953.30 | 48.03  | 54.00         | -5.97         | 32.14         | 12.27                       | 37.47            | 33.85 | 182   | 116 Average | VERTICAL  |
| 2 | 15957.60 | 61.59  | 74.00         | -12.41        | 45.70         | 12.27                       | 37.47            | 33.85 | 182   | 116 Peak    | VERTICAL  |

|               |                                         |                |                                                                |
|---------------|-----------------------------------------|----------------|----------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                            |
| Test Engineer | Zero Chen & Stim Sung<br>& Steven Liang | Configurations | IEEE 802.11a CH 100 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 17, 2016                           |                |                                                                |

### Horizontal

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos  | T/Pos | Remark      | Pol/Phase  |
|---|----------|--------|--------|--------|-------|--------------|--------|--------|-------|-------------|------------|
|   | MHz      | dBuV/m | Line   | Limit  | Level | Loss         | Factor | Factor |       |             |            |
|   |          |        | dBuV/m | dB     | dBuV  | dB           | dB/m   | dB     | cm    | deg         |            |
| 1 | 11008.90 | 44.65  | 54.00  | -9.35  | 29.58 | 9.86         | 38.40  | 33.19  | 175   | 177 Average | HORIZONTAL |
| 2 | 11011.00 | 56.93  | 74.00  | -17.07 | 41.86 | 9.86         | 38.40  | 33.19  | 175   | 177 Peak    | HORIZONTAL |

### Vertical

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos  | T/Pos | Remark     | Pol/Phase |
|---|----------|--------|--------|--------|-------|--------------|--------|--------|-------|------------|-----------|
|   | MHz      | dBuV/m | Line   | Limit  | Level | Loss         | Factor | Factor |       |            |           |
|   |          |        | dBuV/m | dB     | dBuV  | dB           | dB/m   | dB     | cm    | deg        |           |
| 1 | 10998.80 | 44.84  | 54.00  | -9.16  | 29.77 | 9.86         | 38.40  | 33.19  | 209   | 94 Average | VERTICAL  |
| 2 | 11002.10 | 58.12  | 74.00  | -15.88 | 43.05 | 9.86         | 38.40  | 33.19  | 209   | 94 Peak    | VERTICAL  |

|               |                                         |                |                                                                |
|---------------|-----------------------------------------|----------------|----------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                            |
| Test Engineer | Zero Chen & Stim Sung<br>& Steven Liang | Configurations | IEEE 802.11a CH 116 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 17, 2016                           |                |                                                                |

### Horizontal

|   | Freq     | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|----------|--------|---------------|---------------|---------------|-----------------------------|------------------|-------|-------|-------------|------------|
|   | MHz      | dBuV/m | dBuV/m        | dB            | dBuV          | dB                          | dB/m             | dB    | cm    | deg         |            |
| 1 | 11158.40 | 44.39  | 54.00         | -9.61         | 28.97         | 9.94                        | 38.67            | 33.19 | 128   | 267 Average | HORIZONTAL |
| 2 | 11178.40 | 56.49  | 74.00         | -17.51        | 41.07         | 9.94                        | 38.67            | 33.19 | 128   | 267 Peak    | HORIZONTAL |

### Vertical

|   | Freq     | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark      | Pol/Phase |
|---|----------|--------|---------------|---------------|---------------|-----------------------------|------------------|-------|-------|-------------|-----------|
|   | MHz      | dBuV/m | dBuV/m        | dB            | dBuV          | dB                          | dB/m             | dB    | cm    | deg         |           |
| 1 | 11159.10 | 45.39  | 54.00         | -8.61         | 29.97         | 9.94                        | 38.67            | 33.19 | 100   | 142 Average | VERTICAL  |
| 2 | 11175.00 | 57.08  | 74.00         | -16.92        | 41.66         | 9.94                        | 38.67            | 33.19 | 100   | 142 Peak    | VERTICAL  |

|               |                                         |                |                                                                |
|---------------|-----------------------------------------|----------------|----------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                            |
| Test Engineer | Zero Chen & Stim Sung<br>& Steven Liang | Configurations | IEEE 802.11a CH 140 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 17, 2016                           |                |                                                                |

### Horizontal

|   | Freq     | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|----------|--------|---------------|---------------|---------------|-----------------------------|------------------|-------|-------|-------------|------------|
|   | MHz      | dBuV/m | dBuV/m        | dB            | dBuV          | dB                          | dB/m             | dB    | cm    | deg         |            |
| 1 | 11417.90 | 45.87  | 54.00         | -8.13         | 29.89         | 10.07                       | 39.09            | 33.18 | 244   | 172 Average | HORIZONTAL |
| 2 | 11421.40 | 58.00  | 74.00         | -16.00        | 42.02         | 10.07                       | 39.09            | 33.18 | 244   | 172 Peak    | HORIZONTAL |

### Vertical

|   | Freq     | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark     | Pol/Phase |
|---|----------|--------|---------------|---------------|---------------|-----------------------------|------------------|-------|-------|------------|-----------|
|   | MHz      | dBuV/m | dBuV/m        | dB            | dBuV          | dB                          | dB/m             | dB    | cm    | deg        |           |
| 1 | 11417.60 | 45.79  | 54.00         | -8.21         | 29.81         | 10.07                       | 39.09            | 33.18 | 218   | 85 Average | VERTICAL  |
| 2 | 11419.90 | 58.22  | 74.00         | -15.78        | 42.24         | 10.07                       | 39.09            | 33.18 | 218   | 85 Peak    | VERTICAL  |

|               |                                         |                |                                                                |
|---------------|-----------------------------------------|----------------|----------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                            |
| Test Engineer | Zero Chen & Stim Sung<br>& Steven Liang | Configurations | IEEE 802.11a CH 149 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 17, 2016                           |                |                                                                |

### Horizontal

|   | Freq     | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|----------|--------|---------------|---------------|---------------|-----------------------------|------------------|-------|-------|-------------|------------|
|   | MHz      | dBuV/m | dBuV/m        | dB            | dBuV          | dB                          | dB/m             | dB    | cm    | deg         |            |
| 1 | 11467.50 | 57.98  | 74.00         | -16.02        | 41.93         | 10.08                       | 39.15            | 33.18 | 245   | 120 Peak    | HORIZONTAL |
| 2 | 11492.50 | 46.03  | 54.00         | -7.97         | 29.91         | 10.10                       | 39.20            | 33.18 | 245   | 120 Average | HORIZONTAL |

### Vertical

|   | Freq     | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark      | Pol/Phase |
|---|----------|--------|---------------|---------------|---------------|-----------------------------|------------------|-------|-------|-------------|-----------|
|   | MHz      | dBuV/m | dBuV/m        | dB            | dBuV          | dB                          | dB/m             | dB    | cm    | deg         |           |
| 1 | 11491.60 | 46.44  | 54.00         | -7.56         | 30.32         | 10.10                       | 39.20            | 33.18 | 256   | 294 Average | VERTICAL  |
| 2 | 11494.40 | 58.61  | 74.00         | -15.39        | 42.49         | 10.10                       | 39.20            | 33.18 | 256   | 294 Peak    | VERTICAL  |

|               |                                         |                |                                                                |
|---------------|-----------------------------------------|----------------|----------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                            |
| Test Engineer | Zero Chen & Stim Sung<br>& Steven Liang | Configurations | IEEE 802.11a CH 157 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 17, 2016                           |                |                                                                |

### Horizontal

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos  | T/Pos | Remark      | Pol/Phase  |
|---|----------|--------|--------|--------|-------|--------------|--------|--------|-------|-------------|------------|
|   | MHz      | dBuV/m | Line   | Limit  | Level | Loss         | Factor | Factor |       |             |            |
|   |          |        | dBuV/m | dB     | dBuV  | dB           | dB/m   | dB     | cm    | deg         |            |
| 1 | 11546.00 | 58.01  | 74.00  | -15.99 | 41.88 | 10.12        | 39.20  | 33.19  | 239   | 200 Peak    | HORIZONTAL |
| 2 | 11551.30 | 45.65  | 54.00  | -8.35  | 29.52 | 10.13        | 39.20  | 33.20  | 239   | 200 Average | HORIZONTAL |

### Vertical

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos  | T/Pos | Remark     | Pol/Phase |
|---|----------|--------|--------|--------|-------|--------------|--------|--------|-------|------------|-----------|
|   | MHz      | dBuV/m | Line   | Limit  | Level | Loss         | Factor | Factor |       |            |           |
|   |          |        | dBuV/m | dB     | dBuV  | dB           | dB/m   | dB     | cm    | deg        |           |
| 1 | 11548.40 | 58.12  | 74.00  | -15.88 | 42.00 | 10.12        | 39.20  | 33.20  | 262   | 91 Peak    | VERTICAL  |
| 2 | 11572.60 | 46.02  | 54.00  | -7.98  | 29.89 | 10.13        | 39.20  | 33.20  | 262   | 91 Average | VERTICAL  |

|               |                                         |                |                                                                |
|---------------|-----------------------------------------|----------------|----------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                            |
| Test Engineer | Zero Chen & Stim Sung<br>& Steven Liang | Configurations | IEEE 802.11a CH 165 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 17, 2016                           |                |                                                                |

#### Horizontal

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|----------|--------|--------|--------|-------|--------------|--------|-------|-------|-------------|------------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | dB           | dB/m   | dB    | cm    | deg         |            |
| 1 | 11644.60 | 45.43  | 54.00  | -8.57  | 29.29 | 10.16        | 39.20  | 33.22 | 148   | 291 Average | HORIZONTAL |
| 2 | 11651.68 | 57.99  | 74.00  | -16.01 | 41.83 | 10.18        | 39.20  | 33.22 | 148   | 291 Peak    | HORIZONTAL |

#### Vertical

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase |
|---|----------|--------|--------|--------|-------|--------------|--------|-------|-------|-------------|-----------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | dB           | dB/m   | dB    | cm    | deg         |           |
| 1 | 11645.52 | 58.01  | 74.00  | -15.99 | 41.87 | 10.16        | 39.20  | 33.22 | 193   | 102 Peak    | VERTICAL  |
| 2 | 11648.68 | 45.73  | 54.00  | -8.27  | 29.59 | 10.16        | 39.20  | 33.22 | 193   | 102 Average | VERTICAL  |

|               |                                         |                |                                                                                |
|---------------|-----------------------------------------|----------------|--------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                            |
| Test Engineer | Zero Chen & Stim Sung<br>& Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 17, 2016                           |                |                                                                                |

### Horizontal

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|----------|--------|--------|--------|-------|--------------|--------|-------|-------|-------------|------------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | dB           | dB/m   | dB    | cm    | deg         |            |
| 1 | 15540.64 | 61.27  | 74.00  | -12.73 | 44.57 | 12.06        | 38.13  | 33.49 | 182   | 262 Peak    | HORIZONTAL |
| 2 | 15546.52 | 47.95  | 54.00  | -6.05  | 31.25 | 12.06        | 38.13  | 33.49 | 182   | 262 Average | HORIZONTAL |

### Vertical

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos | T/Pos | Remark     | Pol/Phase |
|---|----------|--------|--------|--------|-------|--------------|--------|-------|-------|------------|-----------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | dB           | dB/m   | dB    | cm    | deg        |           |
| 1 | 15530.00 | 61.24  | 74.00  | -12.76 | 44.54 | 12.06        | 38.13  | 33.49 | 146   | 78 Peak    | VERTICAL  |
| 2 | 15530.12 | 47.94  | 54.00  | -6.06  | 31.24 | 12.06        | 38.13  | 33.49 | 146   | 78 Average | VERTICAL  |

|               |                                         |                |                                                                                |
|---------------|-----------------------------------------|----------------|--------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                            |
| Test Engineer | Zero Chen & Stim Sung<br>& Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 17, 2016                           |                |                                                                                |

### Horizontal

|   | Freq     | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss | Antenna<br>Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|----------|--------|---------------|---------------|---------------|----------------------|-------------------|------------------|-------|-------|---------|------------|
|   | MHz      | dBuV/m | dBuV/m        | dB            | dBuV          | dB                   | dB/m              | dB               | cm    | deg   |         |            |
| 1 | 10396.80 | 64.34  | 68.20         | -3.86         | 49.85         | 9.54                 | 38.54             | 33.59            | 224   | 116   | Peak    | HORIZONTAL |
| 2 | 15617.60 | 47.24  | 54.00         | -6.76         | 30.73         | 12.11                | 37.98             | 33.58            | 191   | 290   | Average | HORIZONTAL |
| 3 | 15621.90 | 59.74  | 74.00         | -14.26        | 43.23         | 12.11                | 37.98             | 33.58            | 191   | 290   | Peak    | HORIZONTAL |

### Vertical

|   | Freq     | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss | Antenna<br>Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|----------|--------|---------------|---------------|---------------|----------------------|-------------------|------------------|-------|-------|---------|-----------|
|   | MHz      | dBuV/m | dBuV/m        | dB            | dBuV          | dB                   | dB/m              | dB               | cm    | deg   |         |           |
| 1 | 10398.16 | 67.82  | 68.20         | -0.38         | 53.31         | 9.54                 | 38.54             | 33.57            | 103   | 289   | Peak    | VERTICAL  |
| 2 | 15595.10 | 47.46  | 54.00         | -6.54         | 30.85         | 12.09                | 38.05             | 33.53            | 185   | 18    | Average | VERTICAL  |
| 3 | 15621.00 | 60.45  | 74.00         | -13.55        | 43.94         | 12.11                | 37.98             | 33.58            | 185   | 18    | Peak    | VERTICAL  |

|               |                                         |                |                                                                                |
|---------------|-----------------------------------------|----------------|--------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                            |
| Test Engineer | Zero Chen & Stim Sung<br>& Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 17, 2016                           |                |                                                                                |

### Horizontal

|   | Freq     | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|----------|--------|---------------|---------------|---------------|-----------------------------|------------------|-------|-------|-------------|------------|
|   | MHz      | dBuV/m | dBuV/m        | dB            | dBuV          | dB                          | dB/m             | dB    | cm    | deg         |            |
| 1 | 15709.60 | 60.21  | 74.00         | -13.79        | 43.84         | 12.15                       | 37.84            | 33.62 | 232   | 279 Peak    | HORIZONTAL |
| 2 | 15712.80 | 47.68  | 54.00         | -6.32         | 31.36         | 12.15                       | 37.84            | 33.67 | 232   | 279 Average | HORIZONTAL |

### Vertical

|   | Freq     | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark     | Pol/Phase |
|---|----------|--------|---------------|---------------|---------------|-----------------------------|------------------|-------|-------|------------|-----------|
|   | MHz      | dBuV/m | dBuV/m        | dB            | dBuV          | dB                          | dB/m             | dB    | cm    | deg        |           |
| 1 | 15709.90 | 47.86  | 54.00         | -6.14         | 31.49         | 12.15                       | 37.84            | 33.62 | 261   | 48 Average | VERTICAL  |
| 2 | 15729.00 | 60.39  | 74.00         | -13.61        | 44.07         | 12.15                       | 37.84            | 33.67 | 261   | 48 Peak    | VERTICAL  |

|               |                                         |                |                                                                                |
|---------------|-----------------------------------------|----------------|--------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                            |
| Test Engineer | Zero Chen & Stim Sung<br>& Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 17, 2016                           |                |                                                                                |

### Horizontal

|   | Freq     | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark     | Pol/Phase  |
|---|----------|--------|---------------|---------------|---------------|-----------------------------|------------------|-------|-------|------------|------------|
|   | MHz      | dBuV/m | dBuV/m        | dB            | dBuV          | dB                          | dB/m             | dB    | cm    | deg        |            |
| 1 | 10523.90 | 57.65  | 68.20         | -10.55        | 43.17         | 9.60                        | 38.40            | 33.52 | 191   | 53 Peak    | HORIZONTAL |
| 2 | 15755.10 | 47.34  | 54.00         | -6.66         | 31.07         | 12.18                       | 37.76            | 33.67 | 205   | 63 Average | HORIZONTAL |
| 3 | 15764.70 | 60.69  | 74.00         | -13.31        | 44.47         | 12.18                       | 37.76            | 33.72 | 205   | 63 Peak    | HORIZONTAL |

### Vertical

|   | Freq     | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark      | Pol/Phase |
|---|----------|--------|---------------|---------------|---------------|-----------------------------|------------------|-------|-------|-------------|-----------|
|   | MHz      | dBuV/m | dBuV/m        | dB            | dBuV          | dB                          | dB/m             | dB    | cm    | deg         |           |
| 1 | 10518.60 | 64.54  | 68.20         | -3.66         | 50.06         | 9.60                        | 38.40            | 33.52 | 100   | 29 Peak     | VERTICAL  |
| 2 | 15755.10 | 47.51  | 54.00         | -6.49         | 31.24         | 12.18                       | 37.76            | 33.67 | 154   | 286 Average | VERTICAL  |
| 3 | 15761.90 | 59.94  | 74.00         | -14.06        | 43.67         | 12.18                       | 37.76            | 33.67 | 154   | 286 Peak    | VERTICAL  |

|               |                                         |                |                                                                                |
|---------------|-----------------------------------------|----------------|--------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                            |
| Test Engineer | Zero Chen & Stim Sung<br>& Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 17, 2016                           |                |                                                                                |

#### Horizontal

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos  | T/Pos | Remark      | Pol/Phase  |
|---|----------|--------|--------|--------|-------|--------------|--------|--------|-------|-------------|------------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | Loss         | Factor | Factor | cm    | deg         |            |
| 1 | 15896.20 | 59.02  | 74.00  | -14.98 | 43.04 | 12.24        | 37.55  | 33.81  | 224   | 274 Peak    | HORIZONTAL |
| 2 | 15925.00 | 46.45  | 54.00  | -7.55  | 30.56 | 12.27        | 37.47  | 33.85  | 224   | 274 Average | HORIZONTAL |

#### Vertical

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos  | T/Pos | Remark     | Pol/Phase |
|---|----------|--------|--------|--------|-------|--------------|--------|--------|-------|------------|-----------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | Loss         | Factor | Factor | cm    | deg        |           |
| 1 | 15891.20 | 59.22  | 74.00  | -14.78 | 43.24 | 12.24        | 37.55  | 33.81  | 292   | 98 Peak    | VERTICAL  |
| 2 | 15919.30 | 46.81  | 54.00  | -7.19  | 30.88 | 12.27        | 37.47  | 33.81  | 292   | 98 Average | VERTICAL  |

|               |                                         |                |                                                                                |
|---------------|-----------------------------------------|----------------|--------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                            |
| Test Engineer | Zero Chen & Stim<br>Sung & Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 17, 2016                           |                |                                                                                |

### Horizontal

|   | Freq     | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark     | Pol/Phase  |
|---|----------|--------|---------------|---------------|---------------|-----------------------------|------------------|-------|-------|------------|------------|
|   | MHz      | dBuV/m | dBuV/m        | dB            | dBuV          | dB                          | dB/m             | dB    | cm    | deg        |            |
| 1 | 15949.90 | 46.81  | 54.00         | -7.19         | 30.92         | 12.27                       | 37.47            | 33.85 | 132   | 47 Average | HORIZONTAL |
| 2 | 15982.80 | 59.99  | 74.00         | -14.01        | 44.20         | 12.29                       | 37.40            | 33.90 | 132   | 47 Peak    | HORIZONTAL |

### Vertical

|   | Freq     | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark      | Pol/Phase |
|---|----------|--------|---------------|---------------|---------------|-----------------------------|------------------|-------|-------|-------------|-----------|
|   | MHz      | dBuV/m | dBuV/m        | dB            | dBuV          | dB                          | dB/m             | dB    | cm    | deg         |           |
| 1 | 15954.60 | 46.97  | 54.00         | -7.03         | 31.08         | 12.27                       | 37.47            | 33.85 | 114   | 316 Average | VERTICAL  |
| 2 | 15966.90 | 59.77  | 74.00         | -14.23        | 43.93         | 12.29                       | 37.40            | 33.85 | 114   | 316 Peak    | VERTICAL  |

|               |                                         |                |                                                                                 |
|---------------|-----------------------------------------|----------------|---------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                             |
| Test Engineer | Zero Chen & Stim Sung<br>& Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 17, 2016                           |                |                                                                                 |

### Horizontal

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos  | T/Pos | Remark     | Pol/Phase  |
|---|----------|--------|--------|--------|-------|--------------|--------|--------|-------|------------|------------|
|   | MHz      | dBuV/m | Line   | Limit  | Level | Loss         | Factor | Factor |       |            |            |
|   |          |        | dBuV/m | dB     | dBuV  | dB           | dB/m   | dB     | cm    | deg        |            |
| 1 | 10982.60 | 43.95  | 54.00  | -10.05 | 28.92 | 9.84         | 38.40  | 33.21  | 268   | 50 Average | HORIZONTAL |
| 2 | 11011.50 | 56.41  | 74.00  | -17.59 | 41.34 | 9.86         | 38.40  | 33.19  | 268   | 50 Peak    | HORIZONTAL |

### Vertical

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos  | T/Pos | Remark      | Pol/Phase |
|---|----------|--------|--------|--------|-------|--------------|--------|--------|-------|-------------|-----------|
|   | MHz      | dBuV/m | Line   | Limit  | Level | Loss         | Factor | Factor |       |             |           |
|   |          |        | dBuV/m | dB     | dBuV  | dB           | dB/m   | dB     | cm    | deg         |           |
| 1 | 10982.90 | 44.06  | 54.00  | -9.94  | 29.03 | 9.84         | 38.40  | 33.21  | 182   | 250 Average | VERTICAL  |
| 2 | 10994.10 | 57.05  | 74.00  | -16.95 | 42.00 | 9.84         | 38.40  | 33.19  | 182   | 250 Peak    | VERTICAL  |

|               |                                         |                |                                                                                 |
|---------------|-----------------------------------------|----------------|---------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                             |
| Test Engineer | Zero Chen & Stim<br>Sung & Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 17, 2016                           |                |                                                                                 |

### Horizontal

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos  | T/Pos | Remark     | Pol/Phase  |
|---|----------|--------|--------|--------|-------|--------------|--------|--------|-------|------------|------------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | Loss         | Factor | Factor | cm    | deg        |            |
| 1 | 11159.40 | 56.87  | 74.00  | -17.13 | 41.45 | 9.94         | 38.67  | 33.19  | 184   | 78 Peak    | HORIZONTAL |
| 2 | 11164.20 | 44.61  | 54.00  | -9.39  | 29.19 | 9.94         | 38.67  | 33.19  | 184   | 78 Average | HORIZONTAL |

### Vertical

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos  | T/Pos | Remark      | Pol/Phase |
|---|----------|--------|--------|--------|-------|--------------|--------|--------|-------|-------------|-----------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | Loss         | Factor | Factor | cm    | deg         |           |
| 1 | 11138.00 | 56.79  | 74.00  | -17.21 | 41.45 | 9.92         | 38.61  | 33.19  | 173   | 325 Peak    | VERTICAL  |
| 2 | 11155.20 | 44.11  | 54.00  | -9.89  | 28.77 | 9.92         | 38.61  | 33.19  | 173   | 325 Average | VERTICAL  |

|               |                                         |                |                                                                                 |
|---------------|-----------------------------------------|----------------|---------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                             |
| Test Engineer | Zero Chen & Stim Sung<br>& Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 140 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 17, 2016                           |                |                                                                                 |

### Horizontal

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos  | T/Pos | Remark     | Pol/Phase  |
|---|----------|--------|--------|--------|-------|--------------|--------|--------|-------|------------|------------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | Loss         | Factor | Factor | cm    | deg        |            |
| 1 | 11415.20 | 58.08  | 74.00  | -15.92 | 42.17 | 10.05        | 39.04  | 33.18  | 237   | 65 Peak    | HORIZONTAL |
| 2 | 11418.10 | 45.46  | 54.00  | -8.54  | 29.48 | 10.07        | 39.09  | 33.18  | 237   | 65 Average | HORIZONTAL |

### Vertical

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos  | T/Pos | Remark      | Pol/Phase |
|---|----------|--------|--------|--------|-------|--------------|--------|--------|-------|-------------|-----------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | Loss         | Factor | Factor | cm    | deg         |           |
| 1 | 11406.00 | 57.98  | 74.00  | -16.02 | 42.07 | 10.05        | 39.04  | 33.18  | 295   | 276 Peak    | VERTICAL  |
| 2 | 11422.70 | 45.44  | 54.00  | -8.56  | 29.46 | 10.07        | 39.09  | 33.18  | 295   | 276 Average | VERTICAL  |

|               |                                         |                |                                                                                 |
|---------------|-----------------------------------------|----------------|---------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                             |
| Test Engineer | Zero Chen & Stim<br>Sung & Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 17, 2016                           |                |                                                                                 |

#### Horizontal

|   | Freq     | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|----------|--------|---------------|---------------|---------------|-----------------------------|------------------|-------|-------|-------------|------------|
|   | MHz      | dBuV/m | dBuV/m        | dB            | dBuV          | dB                          | dB/m             | dB    | cm    | deg         |            |
| 1 | 11490.00 | 57.95  | 74.00         | -16.05        | 41.83         | 10.10                       | 39.20            | 33.18 | 117   | 128 Peak    | HORIZONTAL |
| 2 | 11497.00 | 45.52  | 54.00         | -8.48         | 29.40         | 10.10                       | 39.20            | 33.18 | 117   | 128 Average | HORIZONTAL |

#### Vertical

|   | Freq     | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark      | Pol/Phase |
|---|----------|--------|---------------|---------------|---------------|-----------------------------|------------------|-------|-------|-------------|-----------|
|   | MHz      | dBuV/m | dBuV/m        | dB            | dBuV          | dB                          | dB/m             | dB    | cm    | deg         |           |
| 1 | 11474.70 | 57.94  | 74.00         | -16.06        | 41.89         | 10.08                       | 39.15            | 33.18 | 220   | 283 Peak    | VERTICAL  |
| 2 | 11495.90 | 45.70  | 54.00         | -8.30         | 29.58         | 10.10                       | 39.20            | 33.18 | 220   | 283 Average | VERTICAL  |

|               |                                         |                |                                                                                 |
|---------------|-----------------------------------------|----------------|---------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                             |
| Test Engineer | Zero Chen & Stim<br>Sung & Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 17, 2016                           |                |                                                                                 |

### Horizontal

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|----------|--------|--------|--------|-------|--------------|--------|-------|-------|-------------|------------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | dB           | dB/m   | dB    | cm    | deg         |            |
| 1 | 11561.76 | 45.21  | 54.00  | -8.79  | 29.08 | 10.13        | 39.20  | 33.20 | 159   | 257 Average | HORIZONTAL |
| 2 | 11573.20 | 58.11  | 74.00  | -15.89 | 41.98 | 10.13        | 39.20  | 33.20 | 159   | 257 Peak    | HORIZONTAL |

### Vertical

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase |
|---|----------|--------|--------|--------|-------|--------------|--------|-------|-------|-------------|-----------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | dB           | dB/m   | dB    | cm    | deg         |           |
| 1 | 11562.04 | 46.05  | 54.00  | -7.95  | 29.92 | 10.13        | 39.20  | 33.20 | 176   | 176 Average | VERTICAL  |
| 2 | 11570.36 | 58.63  | 74.00  | -15.37 | 42.50 | 10.13        | 39.20  | 33.20 | 176   | 176 Peak    | VERTICAL  |

|               |                                         |                |                                                                                 |
|---------------|-----------------------------------------|----------------|---------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                             |
| Test Engineer | Zero Chen & Stim<br>Sung & Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 17, 2016                           |                |                                                                                 |

### Horizontal

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|----------|--------|--------|--------|-------|--------------|--------|-------|-------|-------------|------------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | dB           | dB/m   | dB    | cm    | deg         |            |
| 1 | 11640.40 | 57.71  | 74.00  | -16.29 | 41.57 | 10.16        | 39.20  | 33.22 | 151   | 323 Peak    | HORIZONTAL |
| 2 | 11651.72 | 45.15  | 54.00  | -8.85  | 28.99 | 10.18        | 39.20  | 33.22 | 151   | 323 Average | HORIZONTAL |

### Vertical

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase |
|---|----------|--------|--------|--------|-------|--------------|--------|-------|-------|-------------|-----------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | dB           | dB/m   | dB    | cm    | deg         |           |
| 1 | 11649.88 | 45.29  | 54.00  | -8.71  | 29.15 | 10.16        | 39.20  | 33.22 | 241   | 149 Average | VERTICAL  |
| 2 | 11659.80 | 57.76  | 74.00  | -16.24 | 41.60 | 10.18        | 39.20  | 33.22 | 241   | 149 Peak    | VERTICAL  |

|               |                                         |                |                                                                                |
|---------------|-----------------------------------------|----------------|--------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                            |
| Test Engineer | Zero Chen & Stim<br>Sung & Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 17, 2016                           |                |                                                                                |

#### Horizontal

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|----------|--------|--------|--------|-------|--------------|--------|-------|-------|-------------|------------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | dB           | dB/m   | dB    | cm    | deg         |            |
| 1 | 15561.52 | 46.95  | 54.00  | -7.05  | 30.34 | 12.09        | 38.05  | 33.53 | 256   | 155 Average | HORIZONTAL |
| 2 | 15578.24 | 59.74  | 74.00  | -14.26 | 43.13 | 12.09        | 38.05  | 33.53 | 256   | 155 Peak    | HORIZONTAL |

#### Vertical

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase |
|---|----------|--------|--------|--------|-------|--------------|--------|-------|-------|-------------|-----------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | dB           | dB/m   | dB    | cm    | deg         |           |
| 1 | 15565.76 | 60.04  | 74.00  | -13.96 | 43.43 | 12.09        | 38.05  | 33.53 | 191   | 233 Peak    | VERTICAL  |
| 2 | 15570.44 | 47.02  | 54.00  | -6.98  | 30.41 | 12.09        | 38.05  | 33.53 | 191   | 233 Average | VERTICAL  |

|               |                                         |                |                                                                                |
|---------------|-----------------------------------------|----------------|--------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                            |
| Test Engineer | Zero Chen & Stim Sung<br>& Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 17, 2016                           |                |                                                                                |

### Horizontal

|   | Freq     | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|----------|--------|---------------|---------------|---------------|-----------------------------|------------------|-------|-------|-------------|------------|
|   | MHz      | dBuV/m | dBuV/m        | dB            | dBuV          | dB                          | dB/m             | dB    | cm    | deg         |            |
| 1 | 15684.64 | 47.22  | 54.00         | -6.78         | 30.80         | 12.13                       | 37.91            | 33.62 | 199   | 282 Average | HORIZONTAL |
| 2 | 15696.52 | 60.01  | 74.00         | -13.99        | 43.64         | 12.15                       | 37.84            | 33.62 | 199   | 282 Peak    | HORIZONTAL |

### Vertical

|   | Freq     | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark      | Pol/Phase |
|---|----------|--------|---------------|---------------|---------------|-----------------------------|------------------|-------|-------|-------------|-----------|
|   | MHz      | dBuV/m | dBuV/m        | dB            | dBuV          | dB                          | dB/m             | dB    | cm    | deg         |           |
| 1 | 15686.12 | 61.06  | 74.00         | -12.94        | 44.64         | 12.13                       | 37.91            | 33.62 | 151   | 108 Peak    | VERTICAL  |
| 2 | 15689.76 | 47.45  | 54.00         | -6.55         | 31.03         | 12.13                       | 37.91            | 33.62 | 151   | 108 Average | VERTICAL  |

|               |                                         |                |                                                                                   |
|---------------|-----------------------------------------|----------------|-----------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                               |
| Test Engineer | Zero Chen & Stim Sung<br>& Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 54<br>/ Chain 1 + Chain 2 + Chain 3 +<br>Chain 4 |
| Test Date     | Jul. 17, 2016                           |                |                                                                                   |

#### Horizontal

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|----------|--------|--------|--------|-------|--------------|--------|-------|-------|-------------|------------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | dB           | dB/m   | dB    | cm    | deg         |            |
| 1 | 15800.44 | 46.37  | 54.00  | -7.63  | 30.20 | 12.20        | 37.69  | 33.72 | 209   | 127 Average | HORIZONTAL |
| 2 | 15800.52 | 59.65  | 74.00  | -14.35 | 43.48 | 12.20        | 37.69  | 33.72 | 209   | 127 Peak    | HORIZONTAL |

#### Vertical

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase |
|---|----------|--------|--------|--------|-------|--------------|--------|-------|-------|-------------|-----------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | dB           | dB/m   | dB    | cm    | deg         |           |
| 1 | 15800.00 | 46.49  | 54.00  | -7.51  | 30.32 | 12.20        | 37.69  | 33.72 | 125   | 267 Average | VERTICAL  |
| 2 | 15805.48 | 59.55  | 74.00  | -14.45 | 43.38 | 12.20        | 37.69  | 33.72 | 125   | 267 Peak    | VERTICAL  |

|               |                                         |                |                                                                                |
|---------------|-----------------------------------------|----------------|--------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                            |
| Test Engineer | Zero Chen & Stim<br>Sung & Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 62 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 17, 2016                           |                |                                                                                |

### Horizontal

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos | T/Pos | Remark     | Pol/Phase  |
|---|----------|--------|--------|--------|-------|--------------|--------|-------|-------|------------|------------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | dB           | dB/m   | dB    | cm    | deg        |            |
| 1 | 10612.80 | 42.50  | 54.00  | -11.50 | 27.90 | 9.65         | 38.40  | 33.45 | 160   | 73 Average | HORIZONTAL |
| 2 | 10622.44 | 54.92  | 74.00  | -19.08 | 40.30 | 9.67         | 38.40  | 33.45 | 160   | 73 Peak    | HORIZONTAL |

### Vertical

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase |
|---|----------|--------|--------|--------|-------|--------------|--------|-------|-------|-------------|-----------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | dB           | dB/m   | dB    | cm    | deg         |           |
| 1 | 10610.00 | 42.77  | 54.00  | -11.23 | 28.17 | 9.65         | 38.40  | 33.45 | 248   | 118 Average | VERTICAL  |
| 2 | 10615.08 | 56.16  | 74.00  | -17.84 | 41.56 | 9.65         | 38.40  | 33.45 | 248   | 118 Peak    | VERTICAL  |

|               |                                         |                |                                                                                 |
|---------------|-----------------------------------------|----------------|---------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                             |
| Test Engineer | Zero Chen & Stim Sung<br>& Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 102 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 17, 2016                           |                |                                                                                 |

### Horizontal

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos  | T/Pos | Remark      | Pol/Phase  |
|---|----------|--------|--------|--------|-------|--------------|--------|--------|-------|-------------|------------|
|   | MHz      | dBuV/m | Line   | Limit  | Level | Loss         | Factor | Factor |       |             |            |
|   |          |        | dBuV/m | dB     | dBuV  | dB           | dB/m   | dB     | cm    | deg         |            |
| 1 | 11015.88 | 56.47  | 74.00  | -17.53 | 41.40 | 9.86         | 38.40  | 33.19  | 224   | 106 Peak    | HORIZONTAL |
| 2 | 11021.32 | 43.71  | 54.00  | -10.29 | 28.64 | 9.86         | 38.40  | 33.19  | 224   | 106 Average | HORIZONTAL |

### Vertical

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos  | T/Pos | Remark      | Pol/Phase |
|---|----------|--------|--------|--------|-------|--------------|--------|--------|-------|-------------|-----------|
|   | MHz      | dBuV/m | Line   | Limit  | Level | Loss         | Factor | Factor |       |             |           |
|   |          |        | dBuV/m | dB     | dBuV  | dB           | dB/m   | dB     | cm    | deg         |           |
| 1 | 11024.20 | 43.79  | 54.00  | -10.21 | 28.72 | 9.86         | 38.40  | 33.19  | 159   | 324 Average | VERTICAL  |
| 2 | 11026.28 | 56.83  | 74.00  | -17.17 | 41.76 | 9.86         | 38.40  | 33.19  | 159   | 324 Peak    | VERTICAL  |

|               |                                         |                |                                                                                 |
|---------------|-----------------------------------------|----------------|---------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                             |
| Test Engineer | Zero Chen & Stim<br>Sung & Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 110 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 17, 2016                           |                |                                                                                 |

#### Horizontal

|   | Freq     | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|----------|--------|---------------|---------------|---------------|-----------------------------|------------------|-------|-------|-------------|------------|
|   | MHz      | dBuV/m | dBuV/m        | dB            | dBuV          | dB                          | dB/m             | dB    | cm    | deg         |            |
| 1 | 11090.40 | 44.25  | 54.00         | -9.75         | 29.04         | 9.89                        | 38.51            | 33.19 | 236   | 211 Average | HORIZONTAL |
| 2 | 11103.44 | 57.04  | 74.00         | -16.96        | 41.76         | 9.91                        | 38.56            | 33.19 | 236   | 211 Peak    | HORIZONTAL |

#### Vertical

|   | Freq     | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark      | Pol/Phase |
|---|----------|--------|---------------|---------------|---------------|-----------------------------|------------------|-------|-------|-------------|-----------|
|   | MHz      | dBuV/m | dBuV/m        | dB            | dBuV          | dB                          | dB/m             | dB    | cm    | deg         |           |
| 1 | 11092.84 | 57.13  | 74.00         | -16.87        | 41.85         | 9.91                        | 38.56            | 33.19 | 230   | 128 Peak    | VERTICAL  |
| 2 | 11094.96 | 44.92  | 54.00         | -9.08         | 29.64         | 9.91                        | 38.56            | 33.19 | 230   | 128 Average | VERTICAL  |

|               |                                         |                |                                                                                 |
|---------------|-----------------------------------------|----------------|---------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                             |
| Test Engineer | Zero Chen & Stim<br>Sung & Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 134 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 17, 2016                           |                |                                                                                 |

### Horizontal

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos  | T/Pos | Remark      | Pol/Phase  |
|---|----------|--------|--------|--------|-------|--------------|--------|--------|-------|-------------|------------|
|   | MHz      | dBuV/m | Line   | Limit  | Level | Loss         | Factor | Factor |       |             |            |
|   |          |        | dBuV/m | dB     | dBuV  | dB           | dB/m   | dB     | cm    | deg         |            |
| 1 | 11340.32 | 43.56  | 54.00  | -10.44 | 27.79 | 10.02        | 38.93  | 33.18  | 267   | 301 Average | HORIZONTAL |
| 2 | 11347.04 | 56.67  | 74.00  | -17.33 | 40.90 | 10.02        | 38.93  | 33.18  | 267   | 301 Peak    | HORIZONTAL |

### Vertical

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos  | T/Pos | Remark      | Pol/Phase |
|---|----------|--------|--------|--------|-------|--------------|--------|--------|-------|-------------|-----------|
|   | MHz      | dBuV/m | Line   | Limit  | Level | Loss         | Factor | Factor |       |             |           |
|   |          |        | dBuV/m | dB     | dBuV  | dB           | dB/m   | dB     | cm    | deg         |           |
| 1 | 11330.88 | 44.56  | 54.00  | -9.44  | 28.79 | 10.02        | 38.93  | 33.18  | 221   | 223 Average | VERTICAL  |
| 2 | 11346.88 | 57.33  | 74.00  | -16.67 | 41.56 | 10.02        | 38.93  | 33.18  | 221   | 223 Peak    | VERTICAL  |

|               |                                         |                |                                                                                 |
|---------------|-----------------------------------------|----------------|---------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                             |
| Test Engineer | Zero Chen & Stim<br>Sung & Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 17, 2016                           |                |                                                                                 |

### Horizontal

|   | Freq     | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|----------|--------|---------------|---------------|---------------|-----------------------------|------------------|-------|-------|-------------|------------|
|   | MHz      | dBuV/m | dBuV/m        | dB            | dBuV          | dB                          | dB/m             | dB    | cm    | deg         |            |
| 1 | 11504.44 | 44.96  | 54.00         | -9.04         | 28.84         | 10.10                       | 39.20            | 33.18 | 136   | 236 Average | HORIZONTAL |
| 2 | 11509.40 | 57.95  | 74.00         | -16.05        | 41.84         | 10.10                       | 39.20            | 33.19 | 136   | 236 Peak    | HORIZONTAL |

### Vertical

|   | Freq     | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark     | Pol/Phase |
|---|----------|--------|---------------|---------------|---------------|-----------------------------|------------------|-------|-------|------------|-----------|
|   | MHz      | dBuV/m | dBuV/m        | dB            | dBuV          | dB                          | dB/m             | dB    | cm    | deg        |           |
| 1 | 11511.48 | 45.49  | 54.00         | -8.51         | 29.38         | 10.10                       | 39.20            | 33.19 | 156   | 90 Average | VERTICAL  |
| 2 | 11515.84 | 58.34  | 74.00         | -15.66        | 42.23         | 10.10                       | 39.20            | 33.19 | 156   | 90 Peak    | VERTICAL  |

|               |                                         |                |                                                                                 |
|---------------|-----------------------------------------|----------------|---------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                             |
| Test Engineer | Zero Chen & Stim<br>Sung & Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 159 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 17, 2016                           |                |                                                                                 |

### Horizontal

|   | Freq     | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|----------|--------|---------------|---------------|---------------|-----------------------------|------------------|-------|-------|-------------|------------|
|   | MHz      | dBuV/m | dBuV/m        | dB            | dBuV          | dB                          | dB/m             | dB    | cm    | deg         |            |
| 1 | 11580.76 | 45.25  | 54.00         | -8.75         | 29.12         | 10.13                       | 39.20            | 33.20 | 272   | 288 Average | HORIZONTAL |
| 2 | 11583.80 | 58.67  | 74.00         | -15.33        | 42.52         | 10.15                       | 39.20            | 33.20 | 272   | 288 Peak    | HORIZONTAL |

### Vertical

|   | Freq     | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark      | Pol/Phase |
|---|----------|--------|---------------|---------------|---------------|-----------------------------|------------------|-------|-------|-------------|-----------|
|   | MHz      | dBuV/m | dBuV/m        | dB            | dBuV          | dB                          | dB/m             | dB    | cm    | deg         |           |
| 1 | 11583.48 | 45.19  | 54.00         | -8.81         | 29.06         | 10.13                       | 39.20            | 33.20 | 226   | 104 Average | VERTICAL  |
| 2 | 11597.60 | 58.46  | 74.00         | -15.54        | 42.32         | 10.15                       | 39.20            | 33.21 | 226   | 104 Peak    | VERTICAL  |

|               |                                         |                |                                                                                |
|---------------|-----------------------------------------|----------------|--------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                            |
| Test Engineer | Zero Chen & Stim Sung<br>& Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 42 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Aug. 22, 2016                           |                |                                                                                |

### Horizontal

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos  | T/Pos | Remark      | Pol/Phase  |
|---|----------|--------|--------|--------|-------|--------------|--------|--------|-------|-------------|------------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | Loss         | Factor | Factor | cm    | deg         |            |
| 1 | 15633.03 | 59.57  | 74.00  | -14.43 | 43.06 | 12.11        | 37.98  | 33.58  | 143   | 211 Peak    | HORIZONTAL |
| 2 | 15634.20 | 45.47  | 54.00  | -8.53  | 28.96 | 12.11        | 37.98  | 33.58  | 143   | 211 Average | HORIZONTAL |

### Vertical

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos  | T/Pos | Remark     | Pol/Phase |
|---|----------|--------|--------|--------|-------|--------------|--------|--------|-------|------------|-----------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | Loss         | Factor | Factor | cm    | deg        |           |
| 1 | 15631.28 | 45.50  | 54.00  | -8.50  | 28.99 | 12.11        | 37.98  | 33.58  | 203   | 91 Average | VERTICAL  |
| 2 | 15633.24 | 59.45  | 74.00  | -14.55 | 42.94 | 12.11        | 37.98  | 33.58  | 203   | 91 Peak    | VERTICAL  |

|               |                                         |                |                                                                                |
|---------------|-----------------------------------------|----------------|--------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                            |
| Test Engineer | Zero Chen & Stim Sung<br>& Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 58 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 17, 2016                           |                |                                                                                |

### Horizontal

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos  | T/Pos | Remark      | Pol/Phase  |
|---|----------|--------|--------|--------|-------|--------------|--------|--------|-------|-------------|------------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | Loss         | Factor | Factor | cm    | deg         |            |
| 1 | 15865.52 | 59.25  | 74.00  | -14.75 | 43.17 | 12.22        | 37.62  | 33.76  | 238   | 105 Peak    | HORIZONTAL |
| 2 | 15874.12 | 46.05  | 54.00  | -7.95  | 30.07 | 12.24        | 37.55  | 33.81  | 238   | 105 Average | HORIZONTAL |

### Vertical

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos  | T/Pos | Remark      | Pol/Phase |
|---|----------|--------|--------|--------|-------|--------------|--------|--------|-------|-------------|-----------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | Loss         | Factor | Factor | cm    | deg         |           |
| 1 | 15869.80 | 46.29  | 54.00  | -7.71  | 30.26 | 12.22        | 37.62  | 33.81  | 237   | 236 Average | VERTICAL  |
| 2 | 15876.00 | 58.82  | 74.00  | -15.18 | 42.84 | 12.24        | 37.55  | 33.81  | 237   | 236 Peak    | VERTICAL  |

|               |                                         |                |                                                                                 |
|---------------|-----------------------------------------|----------------|---------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                             |
| Test Engineer | Zero Chen & Stim<br>Sung & Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 106 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Aug. 22, 2016                           |                |                                                                                 |

### Horizontal

|   | Freq     | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|----------|--------|---------------|---------------|---------------|-----------------------------|------------------|-------|-------|-------------|------------|
|   | MHz      | dBuV/m | dBuV/m        | dB            | dBuV          | dB                          | dB/m             | dB    | cm    | deg         |            |
| 1 | 11059.90 | 43.19  | 54.00         | -10.81        | 28.05         | 9.88                        | 38.45            | 33.19 | 215   | 122 Average | HORIZONTAL |
| 2 | 11064.65 | 56.29  | 74.00         | -17.71        | 41.08         | 9.89                        | 38.51            | 33.19 | 215   | 122 Peak    | HORIZONTAL |

### Vertical

|   | Freq     | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark      | Pol/Phase |
|---|----------|--------|---------------|---------------|---------------|-----------------------------|------------------|-------|-------|-------------|-----------|
|   | MHz      | dBuV/m | dBuV/m        | dB            | dBuV          | dB                          | dB/m             | dB    | cm    | deg         |           |
| 1 | 11059.86 | 56.78  | 74.00         | -17.22        | 41.64         | 9.88                        | 38.45            | 33.19 | 173   | 224 Peak    | VERTICAL  |
| 2 | 11060.13 | 43.23  | 54.00         | -10.77        | 28.02         | 9.89                        | 38.51            | 33.19 | 173   | 224 Average | VERTICAL  |

|               |                                         |                |                                                                                 |
|---------------|-----------------------------------------|----------------|---------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                             |
| Test Engineer | Zero Chen & Stim<br>Sung & Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 122 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 17, 2016                           |                |                                                                                 |

### Horizontal

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos  | T/Pos | Remark      | Pol/Phase  |
|---|----------|--------|--------|--------|-------|--------------|--------|--------|-------|-------------|------------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | Loss         | Factor | Factor | cm    | deg         |            |
| 1 | 11211.84 | 56.19  | 74.00  | -17.81 | 40.70 | 9.96         | 38.72  | 33.19  | 174   | 289 Peak    | HORIZONTAL |
| 2 | 11229.96 | 43.33  | 54.00  | -10.67 | 27.78 | 9.97         | 38.77  | 33.19  | 174   | 289 Average | HORIZONTAL |

### Vertical

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos  | T/Pos | Remark      | Pol/Phase |
|---|----------|--------|--------|--------|-------|--------------|--------|--------|-------|-------------|-----------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | Loss         | Factor | Factor | cm    | deg         |           |
| 1 | 11224.80 | 55.61  | 74.00  | -18.39 | 40.06 | 9.97         | 38.77  | 33.19  | 161   | 146 Peak    | VERTICAL  |
| 2 | 11228.64 | 43.30  | 54.00  | -10.70 | 27.75 | 9.97         | 38.77  | 33.19  | 161   | 146 Average | VERTICAL  |

|               |                                         |                |                                                                                 |
|---------------|-----------------------------------------|----------------|---------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                             |
| Test Engineer | Zero Chen & Stim<br>Sung & Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 155 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 17, 2016                           |                |                                                                                 |

### Horizontal

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|----------|--------|--------|--------|-------|--------------|--------|-------|-------|-------------|------------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | dB           | dB/m   | dB    | cm    | deg         |            |
| 1 | 11545.08 | 45.37  | 54.00  | -8.63  | 29.24 | 10.12        | 39.20  | 33.19 | 136   | 274 Average | HORIZONTAL |
| 2 | 11552.28 | 58.50  | 74.00  | -15.50 | 42.37 | 10.13        | 39.20  | 33.20 | 136   | 274 Peak    | HORIZONTAL |

### Vertical

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase |
|---|----------|--------|--------|--------|-------|--------------|--------|-------|-------|-------------|-----------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | dB           | dB/m   | dB    | cm    | deg         |           |
| 1 | 11552.04 | 58.28  | 74.00  | -15.72 | 42.15 | 10.13        | 39.20  | 33.20 | 155   | 193 Peak    | VERTICAL  |
| 2 | 11555.28 | 45.29  | 54.00  | -8.71  | 29.16 | 10.13        | 39.20  | 33.20 | 155   | 193 Average | VERTICAL  |

### Straddle Channel

|               |                                         |                |                                                                |
|---------------|-----------------------------------------|----------------|----------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                            |
| Test Engineer | Zero Chen & Stim Sung<br>& Steven Liang | Configurations | IEEE 802.11a CH 144 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 17, 2016                           |                |                                                                |

### Horizontal

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos  | T/Pos | Remark     | Pol/Phase  |
|---|----------|--------|--------|--------|-------|--------------|--------|--------|-------|------------|------------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | Loss         | Factor | Factor | cm    | deg        |            |
| 1 | 11429.20 | 58.74  | 74.00  | -15.26 | 42.76 | 10.07        | 39.09  | 33.18  | 259   | 35 Peak    | HORIZONTAL |
| 2 | 11443.70 | 45.99  | 54.00  | -8.01  | 30.01 | 10.07        | 39.09  | 33.18  | 259   | 35 Average | HORIZONTAL |

### Vertical

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos  | T/Pos | Remark      | Pol/Phase |
|---|----------|--------|--------|--------|-------|--------------|--------|--------|-------|-------------|-----------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | Loss         | Factor | Factor | cm    | deg         |           |
| 1 | 11440.40 | 46.46  | 54.00  | -7.54  | 30.48 | 10.07        | 39.09  | 33.18  | 171   | 333 Average | VERTICAL  |
| 2 | 11450.50 | 58.64  | 74.00  | -15.36 | 42.59 | 10.08        | 39.15  | 33.18  | 171   | 333 Peak    | VERTICAL  |

|               |                                         |                |                                                                                 |
|---------------|-----------------------------------------|----------------|---------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                             |
| Test Engineer | Zero Chen & Stim Sung<br>& Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 144 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 17, 2016                           |                |                                                                                 |

### Horizontal

|   | Freq     | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|----------|--------|---------------|---------------|---------------|-----------------------------|------------------|-------|-------|-------------|------------|
|   | MHz      | dBuV/m | dBuV/m        | dB            | dBuV          | dB                          | dB/m             | dB    | cm    | deg         |            |
| 1 | 11424.00 | 45.42  | 54.00         | -8.58         | 29.44         | 10.07                       | 39.09            | 33.18 | 252   | 153 Average | HORIZONTAL |
| 2 | 11460.40 | 58.01  | 74.00         | -15.99        | 41.96         | 10.08                       | 39.15            | 33.18 | 252   | 153 Peak    | HORIZONTAL |

### Vertical

|   | Freq     | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark      | Pol/Phase |
|---|----------|--------|---------------|---------------|---------------|-----------------------------|------------------|-------|-------|-------------|-----------|
|   | MHz      | dBuV/m | dBuV/m        | dB            | dBuV          | dB                          | dB/m             | dB    | cm    | deg         |           |
| 1 | 11436.90 | 58.21  | 74.00         | -15.79        | 42.23         | 10.07                       | 39.09            | 33.18 | 153   | 333 Peak    | VERTICAL  |
| 2 | 11440.20 | 45.85  | 54.00         | -8.15         | 29.87         | 10.07                       | 39.09            | 33.18 | 153   | 333 Average | VERTICAL  |

|               |                                         |                |                                                                                 |
|---------------|-----------------------------------------|----------------|---------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                             |
| Test Engineer | Zero Chen & Stim<br>Sung & Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 142 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 17, 2016                           |                |                                                                                 |

#### Horizontal

|   | Freq     | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|----------|--------|---------------|---------------|---------------|-----------------------------|------------------|-------|-------|-------------|------------|
|   | MHz      | dBuV/m | dBuV/m        | dB            | dBuV          | dB                          | dB/m             | dB    | cm    | deg         |            |
| 1 | 11423.32 | 45.43  | 54.00         | -8.57         | 29.45         | 10.07                       | 39.09            | 33.18 | 190   | 228 Average | HORIZONTAL |
| 2 | 11429.88 | 58.31  | 74.00         | -15.69        | 42.33         | 10.07                       | 39.09            | 33.18 | 190   | 228 Peak    | HORIZONTAL |

#### Vertical

|   | Freq     | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark     | Pol/Phase |
|---|----------|--------|---------------|---------------|---------------|-----------------------------|------------------|-------|-------|------------|-----------|
|   | MHz      | dBuV/m | dBuV/m        | dB            | dBuV          | dB                          | dB/m             | dB    | cm    | deg        |           |
| 1 | 11422.44 | 45.56  | 54.00         | -8.44         | 29.58         | 10.07                       | 39.09            | 33.18 | 293   | 78 Average | VERTICAL  |
| 2 | 11426.48 | 58.59  | 74.00         | -15.41        | 42.61         | 10.07                       | 39.09            | 33.18 | 293   | 78 Peak    | VERTICAL  |

|               |                                         |                |                                                                                 |
|---------------|-----------------------------------------|----------------|---------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                             |
| Test Engineer | Zero Chen & Stim<br>Sung & Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT80 CH 138 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 17, 2016                           |                |                                                                                 |

### Horizontal

|   | Freq     | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|----------|--------|---------------|---------------|---------------|-----------------------------|------------------|-------|-------|-------------|------------|
|   | MHz      | dBuV/m | dBuV/m        | dB            | dBuV          | dB                          | dB/m             | dB    | cm    | deg         |            |
| 1 | 11381.20 | 57.24  | 74.00         | -16.76        | 41.39         | 10.04                       | 38.99            | 33.18 | 157   | 172 Peak    | HORIZONTAL |
| 2 | 11390.00 | 45.05  | 54.00         | -8.95         | 29.14         | 10.05                       | 39.04            | 33.18 | 157   | 172 Average | HORIZONTAL |

### Vertical

|   | Freq     | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark      | Pol/Phase |
|---|----------|--------|---------------|---------------|---------------|-----------------------------|------------------|-------|-------|-------------|-----------|
|   | MHz      | dBuV/m | dBuV/m        | dB            | dBuV          | dB                          | dB/m             | dB    | cm    | deg         |           |
| 1 | 11386.36 | 44.98  | 54.00         | -9.02         | 29.07         | 10.05                       | 39.04            | 33.18 | 143   | 294 Average | VERTICAL  |
| 2 | 11389.52 | 57.75  | 74.00         | -16.25        | 41.84         | 10.05                       | 39.04            | 33.18 | 143   | 294 Peak    | VERTICAL  |

**802.11ac MCS0/Nss2 VHT80+80**

|                      |                                         |                       |                                                                                                   |
|----------------------|-----------------------------------------|-----------------------|---------------------------------------------------------------------------------------------------|
| <b>Temperature</b>   | 22°C                                    | <b>Humidity</b>       | 54%                                                                                               |
| <b>Test Engineer</b> | Zero Chen & Stim<br>Sung & Steven Liang | <b>Configurations</b> | IEEE 802.11ac MCS0/Nss2 VHT80+80<br>Type 1 / CH 42+106 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| <b>Test Date</b>     | Jul. 30, 2016                           |                       |                                                                                                   |

**Horizontal**

|   | Freq     | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss | Preamp<br>Factor | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|----------|--------|---------------|---------------|---------------|----------------------|------------------|-------|-------|-------------|------------|
|   | MHz      | dBuV/m | dBuV/m        | dB            | dBuV          | dB                   | dB/m             | dB    | cm    | deg         |            |
| 1 | 11058.08 | 43.39  | 54.00         | -10.61        | 28.26         | 10.67                | 39.14            | 34.68 | 114   | 127 Average | HORIZONTAL |
| 2 | 11061.80 | 55.89  | 74.00         | -18.11        | 40.72         | 10.67                | 39.18            | 34.68 | 114   | 127 Peak    | HORIZONTAL |
| 3 | 15631.92 | 46.47  | 54.00         | -7.53         | 29.94         | 13.38                | 38.34            | 35.19 | 120   | 182 Average | HORIZONTAL |
| 4 | 15634.66 | 59.56  | 74.00         | -14.44        | 43.03         | 13.38                | 38.34            | 35.19 | 120   | 182 Peak    | HORIZONTAL |

**Vertical**

|   | Freq     | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss | Preamp<br>Factor | A/Pos | T/Pos | Remark     | Pol/Phase |
|---|----------|--------|---------------|---------------|---------------|----------------------|------------------|-------|-------|------------|-----------|
|   | MHz      | dBuV/m | dBuV/m        | dB            | dBuV          | dB                   | dB/m             | dB    | cm    | deg        |           |
| 1 | 11058.44 | 56.43  | 74.00         | -17.57        | 41.30         | 10.67                | 39.14            | 34.68 | 114   | 75 Peak    | VERTICAL  |
| 2 | 11058.84 | 43.29  | 54.00         | -10.71        | 28.16         | 10.67                | 39.14            | 34.68 | 114   | 75 Average | VERTICAL  |
| 3 | 15622.32 | 46.69  | 54.00         | -7.31         | 30.16         | 13.38                | 38.34            | 35.19 | 111   | 19 Average | VERTICAL  |
| 4 | 15630.80 | 59.74  | 74.00         | -14.26        | 43.21         | 13.38                | 38.34            | 35.19 | 111   | 19 Peak    | VERTICAL  |

|               |                                         |                |                                                                                                   |
|---------------|-----------------------------------------|----------------|---------------------------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                                               |
| Test Engineer | Zero Chen & Stim<br>Sung & Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss2 VHT80+80<br>Type 2 / CH 42+122 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 30, 2016                           |                |                                                                                                   |

### Horizontal

|   | Freq     | Level  | Limit  | Over   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|----------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | dB    | dB/m    | dB     | cm    | deg   |         |            |
| 1 | 11216.88 | 55.81  | 74.00  | -18.19 | 40.47 | 10.70 | 39.34   | 34.70  | 139   | 250   | Peak    | HORIZONTAL |
| 2 | 11220.26 | 43.17  | 54.00  | -10.83 | 27.83 | 10.70 | 39.34   | 34.70  | 139   | 250   | Average | HORIZONTAL |
| 3 | 15626.90 | 59.81  | 74.00  | -14.19 | 43.28 | 13.38 | 38.34   | 35.19  | 136   | 206   | Peak    | HORIZONTAL |
| 4 | 15628.50 | 46.75  | 54.00  | -7.25  | 30.22 | 13.38 | 38.34   | 35.19  | 136   | 206   | Average | HORIZONTAL |

### Vertical

|   | Freq     | Level  | Limit  | Over   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 11216.92 | 56.62  | 74.00  | -17.38 | 41.28 | 10.70 | 39.34   | 34.70  | 141   | 322   | Peak    | VERTICAL  |
| 2 | 11219.60 | 43.17  | 54.00  | -10.83 | 27.83 | 10.70 | 39.34   | 34.70  | 141   | 322   | Average | VERTICAL  |
| 3 | 15626.12 | 46.62  | 54.00  | -7.38  | 30.09 | 13.38 | 38.34   | 35.19  | 155   | 241   | Average | VERTICAL  |
| 4 | 15635.00 | 59.57  | 74.00  | -14.43 | 43.04 | 13.38 | 38.34   | 35.19  | 155   | 241   | Peak    | VERTICAL  |

|               |                                         |                |                                                                                                   |
|---------------|-----------------------------------------|----------------|---------------------------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                                               |
| Test Engineer | Zero Chen & Stim Sung<br>& Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss2 VHT80+80<br>Type 3 / CH 42+138 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 30, 2016                           |                |                                                                                                   |

### Horizontal

|   | Freq     | Level  | Limit  | Over   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|----------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | Loss  | Factor  | Factor | cm    | deg   |         |            |
| 1 | 11376.38 | 57.12  | 74.00  | -16.88 | 41.59 | 10.72 | 39.54   | 34.73  | 176   | 288   | Peak    | HORIZONTAL |
| 2 | 11377.48 | 43.82  | 54.00  | -10.18 | 28.29 | 10.72 | 39.54   | 34.73  | 176   | 288   | Average | HORIZONTAL |
| 3 | 15630.48 | 46.68  | 54.00  | -7.32  | 30.15 | 13.38 | 38.34   | 35.19  | 168   | 210   | Average | HORIZONTAL |
| 4 | 15634.94 | 59.26  | 74.00  | -14.74 | 42.73 | 13.38 | 38.34   | 35.19  | 168   | 210   | Peak    | HORIZONTAL |

### Vertical

|   | Freq     | Level  | Limit  | Over   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | Loss  | Factor  | Factor | cm    | deg   |         |           |
| 1 | 11377.52 | 43.77  | 54.00  | -10.23 | 28.24 | 10.72 | 39.54   | 34.73  | 176   | 336   | Average | VERTICAL  |
| 2 | 11382.54 | 56.72  | 74.00  | -17.28 | 41.19 | 10.72 | 39.54   | 34.73  | 176   | 336   | Peak    | VERTICAL  |
| 3 | 15626.26 | 59.68  | 74.00  | -14.32 | 43.15 | 13.38 | 38.34   | 35.19  | 165   | 198   | Peak    | VERTICAL  |
| 4 | 15631.30 | 47.79  | 54.00  | -6.21  | 31.26 | 13.38 | 38.34   | 35.19  | 165   | 198   | Average | VERTICAL  |

|               |                                         |                |                                                                                                   |
|---------------|-----------------------------------------|----------------|---------------------------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                                               |
| Test Engineer | Zero Chen & Stim<br>Sung & Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss2 VHT80+80<br>Type 4 / CH 42+155 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 30, 2016                           |                |                                                                                                   |

### Horizontal

|   | Freq     | Level  | Limit  | Over   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|----------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | Loss  | Factor  | Factor | cm    | deg   |         |            |
| 1 | 11548.54 | 43.95  | 54.00  | -10.05 | 28.29 | 10.75 | 39.67   | 34.76  | 173   | 324   | Average | HORIZONTAL |
| 2 | 11554.00 | 57.02  | 74.00  | -16.98 | 41.37 | 10.76 | 39.65   | 34.76  | 173   | 324   | Peak    | HORIZONTAL |
| 3 | 15629.02 | 60.66  | 74.00  | -13.34 | 44.13 | 13.38 | 38.34   | 35.19  | 166   | 257   | Peak    | HORIZONTAL |
| 4 | 15633.36 | 46.64  | 54.00  | -7.36  | 30.11 | 13.38 | 38.34   | 35.19  | 166   | 257   | Average | HORIZONTAL |

### Vertical

|   | Freq     | Level  | Limit  | Over   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | Loss  | Factor  | Factor | cm    | deg   |         |           |
| 1 | 11546.88 | 44.01  | 54.00  | -9.99  | 28.35 | 10.75 | 39.67   | 34.76  | 170   | 270   | Average | VERTICAL  |
| 2 | 11549.54 | 56.63  | 74.00  | -17.37 | 40.97 | 10.75 | 39.67   | 34.76  | 170   | 270   | Peak    | VERTICAL  |
| 3 | 15625.82 | 60.20  | 74.00  | -13.80 | 43.67 | 13.38 | 38.34   | 35.19  | 166   | 353   | Peak    | VERTICAL  |
| 4 | 15630.86 | 46.71  | 54.00  | -7.29  | 30.18 | 13.38 | 38.34   | 35.19  | 166   | 353   | Average | VERTICAL  |

|               |                                         |                |                                                                                                   |
|---------------|-----------------------------------------|----------------|---------------------------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                                               |
| Test Engineer | Zero Chen & Stim<br>Sung & Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss2 VHT80+80<br>Type 5 / CH 58+106 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 30, 2016                           |                |                                                                                                   |

### Horizontal

|   | Freq     | Level  | Limit  | Over   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|----------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | dB    | dB/m    | dB     | cm    | deg   |         |            |
| 1 | 11062.42 | 43.50  | 54.00  | -10.50 | 28.33 | 10.67 | 39.18   | 34.68  | 146   | 26    | Average | HORIZONTAL |
| 2 | 11063.38 | 56.54  | 74.00  | -17.46 | 41.37 | 10.67 | 39.18   | 34.68  | 146   | 26    | Peak    | HORIZONTAL |
| 3 | 15865.16 | 59.73  | 74.00  | -14.27 | 43.59 | 13.39 | 38.06   | 35.31  | 147   | 64    | Peak    | HORIZONTAL |
| 4 | 15871.16 | 46.58  | 54.00  | -7.42  | 30.44 | 13.39 | 38.06   | 35.31  | 147   | 64    | Average | HORIZONTAL |

### Vertical

|   | Freq     | Level  | Limit  | Over   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 11055.20 | 43.38  | 54.00  | -10.62 | 28.25 | 10.67 | 39.14   | 34.68  | 150   | 218   | Average | VERTICAL  |
| 2 | 11058.70 | 55.99  | 74.00  | -18.01 | 40.86 | 10.67 | 39.14   | 34.68  | 150   | 218   | Peak    | VERTICAL  |
| 3 | 15868.80 | 58.51  | 74.00  | -15.49 | 42.37 | 13.39 | 38.06   | 35.31  | 153   | 257   | Peak    | VERTICAL  |
| 4 | 15869.34 | 46.29  | 54.00  | -7.71  | 30.15 | 13.39 | 38.06   | 35.31  | 153   | 257   | Average | VERTICAL  |

|               |                                         |                |                                                                                                   |
|---------------|-----------------------------------------|----------------|---------------------------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                                               |
| Test Engineer | Zero Chen & Stim Sung<br>& Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss2 VHT80+80<br>Type 6 / CH 58+122 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 30, 2016                           |                |                                                                                                   |

### Horizontal

|   | Freq     | Level  | Limit  | Over   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|----------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | dB    | dB/m    | dB     | cm    | deg   |         |            |
| 1 | 11217.14 | 55.87  | 74.00  | -18.13 | 40.53 | 10.70 | 39.34   | 34.70  | 150   | 121   | Peak    | HORIZONTAL |
| 2 | 11222.86 | 43.24  | 54.00  | -10.76 | 27.87 | 10.70 | 39.38   | 34.71  | 150   | 121   | Average | HORIZONTAL |
| 3 | 15869.96 | 59.57  | 74.00  | -14.43 | 43.43 | 13.39 | 38.06   | 35.31  | 129   | 39    | Peak    | HORIZONTAL |
| 4 | 15874.86 | 46.91  | 54.00  | -7.09  | 30.85 | 13.39 | 38.01   | 35.34  | 129   | 39    | Average | HORIZONTAL |

### Vertical

|   | Freq     | Level  | Limit  | Over   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 11216.60 | 43.19  | 54.00  | -10.81 | 27.85 | 10.70 | 39.34   | 34.70  | 147   | 71    | Average | VERTICAL  |
| 2 | 11217.66 | 56.53  | 74.00  | -17.47 | 41.19 | 10.70 | 39.34   | 34.70  | 147   | 71    | Peak    | VERTICAL  |
| 3 | 15868.50 | 47.24  | 54.00  | -6.76  | 31.10 | 13.39 | 38.06   | 35.31  | 158   | 84    | Average | VERTICAL  |
| 4 | 15874.98 | 60.10  | 74.00  | -13.90 | 44.04 | 13.39 | 38.01   | 35.34  | 158   | 84    | Peak    | VERTICAL  |

|               |                                         |                |                                                                                                   |
|---------------|-----------------------------------------|----------------|---------------------------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                                               |
| Test Engineer | Zero Chen & Stim Sung<br>& Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss2 VHT80+80<br>Type 7 / CH 58+138 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 30, 2016                           |                |                                                                                                   |

#### Horizontal

|   | Freq     | Level  | Limit  | Over   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|----------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | Loss  | Factor  | Factor | cm    | deg   |         |            |
| 1 | 11376.46 | 43.95  | 54.00  | -10.05 | 28.42 | 10.72 | 39.54   | 34.73  | 111   | 189   | Average | HORIZONTAL |
| 2 | 11383.12 | 56.91  | 74.00  | -17.09 | 41.38 | 10.72 | 39.54   | 34.73  | 111   | 189   | Peak    | HORIZONTAL |
| 3 | 15865.22 | 59.35  | 74.00  | -14.65 | 43.21 | 13.39 | 38.06   | 35.31  | 116   | 249   | Peak    | HORIZONTAL |
| 4 | 15866.58 | 46.56  | 54.00  | -7.44  | 30.42 | 13.39 | 38.06   | 35.31  | 116   | 249   | Average | HORIZONTAL |

#### Vertical

|   | Freq     | Level  | Limit  | Over   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | Loss  | Factor  | Factor | cm    | deg   |         |           |
| 1 | 11378.02 | 43.89  | 54.00  | -10.11 | 28.36 | 10.72 | 39.54   | 34.73  | 108   | 148   | Average | VERTICAL  |
| 2 | 11379.90 | 56.97  | 74.00  | -17.03 | 41.44 | 10.72 | 39.54   | 34.73  | 108   | 148   | Peak    | VERTICAL  |
| 3 | 15869.80 | 58.89  | 74.00  | -15.11 | 42.75 | 13.39 | 38.06   | 35.31  | 142   | 114   | Peak    | VERTICAL  |
| 4 | 15871.90 | 46.48  | 54.00  | -7.52  | 30.34 | 13.39 | 38.06   | 35.31  | 142   | 114   | Average | VERTICAL  |

|               |                                         |                |                                                                                                   |
|---------------|-----------------------------------------|----------------|---------------------------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                                               |
| Test Engineer | Zero Chen & Stim Sung<br>& Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss2 VHT80+80<br>Type 8 / CH 58+155 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 30, 2016                           |                |                                                                                                   |

#### Horizontal

|   | Freq     | Level  | Limit  | Over   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|----------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | dB    | dB/m    | dB     | cm    | deg   |         |            |
| 1 | 11545.30 | 57.62  | 74.00  | -16.38 | 41.96 | 10.75 | 39.67   | 34.76  | 139   | 218   | Peak    | HORIZONTAL |
| 2 | 11552.80 | 44.10  | 54.00  | -9.90  | 28.45 | 10.76 | 39.65   | 34.76  | 139   | 218   | Average | HORIZONTAL |
| 3 | 15867.48 | 59.18  | 74.00  | -14.82 | 43.04 | 13.39 | 38.06   | 35.31  | 132   | 274   | Peak    | HORIZONTAL |
| 4 | 15872.38 | 47.53  | 54.00  | -6.47  | 31.39 | 13.39 | 38.06   | 35.31  | 132   | 274   | Average | HORIZONTAL |

#### Vertical

|   | Freq     | Level  | Limit  | Over   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 11546.96 | 43.98  | 54.00  | -10.02 | 28.32 | 10.75 | 39.67   | 34.76  | 140   | 165   | Average | VERTICAL  |
| 2 | 11551.62 | 57.01  | 74.00  | -16.99 | 41.36 | 10.76 | 39.65   | 34.76  | 140   | 165   | Peak    | VERTICAL  |
| 3 | 15865.04 | 59.34  | 74.00  | -14.66 | 43.20 | 13.39 | 38.06   | 35.31  | 142   | 220   | Peak    | VERTICAL  |
| 4 | 15874.56 | 46.35  | 54.00  | -7.65  | 30.29 | 13.39 | 38.01   | 35.34  | 142   | 220   | Average | VERTICAL  |

|               |                                         |                |                                                                                                    |
|---------------|-----------------------------------------|----------------|----------------------------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                                                |
| Test Engineer | Zero Chen & Stim<br>Sung & Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss2 VHT80+80<br>Type 9 / CH 106+138 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 30, 2016                           |                |                                                                                                    |

### Horizontal

|   | Freq     | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss | Preamp<br>Factor | A/Pos | T/Pos | Remark | Pol/Phase |            |
|---|----------|--------|---------------|---------------|---------------|----------------------|------------------|-------|-------|--------|-----------|------------|
|   | MHz      | dBuV/m | dBuV/m        | dB            | dBuV          | dB                   | dB/m             | dB    | cm    | deg    |           |            |
| 1 | 11055.58 | 43.48  | 54.00         | -10.52        | 28.35         | 10.67                | 39.14            | 34.68 | 132   | 250    | Average   | HORIZONTAL |
| 2 | 11059.10 | 56.39  | 74.00         | -17.61        | 41.26         | 10.67                | 39.14            | 34.68 | 132   | 250    | Peak      | HORIZONTAL |
| 3 | 11377.82 | 57.21  | 74.00         | -16.79        | 41.68         | 10.72                | 39.54            | 34.73 | 135   | 305    | Peak      | HORIZONTAL |
| 4 | 11383.56 | 43.88  | 54.00         | -10.12        | 28.35         | 10.72                | 39.54            | 34.73 | 135   | 305    | Average   | HORIZONTAL |

### Vertical

|   | Freq     | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss | Preamp<br>Factor | A/Pos | T/Pos | Remark | Pol/Phase |          |
|---|----------|--------|---------------|---------------|---------------|----------------------|------------------|-------|-------|--------|-----------|----------|
|   | MHz      | dBuV/m | dBuV/m        | dB            | dBuV          | dB                   | dB/m             | dB    | cm    | deg    |           |          |
| 1 | 11056.12 | 43.58  | 54.00         | -10.42        | 28.45         | 10.67                | 39.14            | 34.68 | 126   | 273    | Average   | VERTICAL |
| 2 | 11058.04 | 55.84  | 74.00         | -18.16        | 40.71         | 10.67                | 39.14            | 34.68 | 126   | 273    | Peak      | VERTICAL |
| 3 | 11375.74 | 43.66  | 54.00         | -10.34        | 28.13         | 10.72                | 39.54            | 34.73 | 138   | 212    | Average   | VERTICAL |
| 4 | 11380.50 | 56.18  | 74.00         | -17.82        | 40.65         | 10.72                | 39.54            | 34.73 | 138   | 212    | Peak      | VERTICAL |

|               |                                         |                |                                                                                                     |
|---------------|-----------------------------------------|----------------|-----------------------------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                                                 |
| Test Engineer | Zero Chen & Stim Sung<br>& Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss2 VHT80+80<br>Type 10 / CH 106+155 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 30, 2016                           |                |                                                                                                     |

### Horizontal

|   | Freq     | Level  | Limit  | Over   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|----------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | dB    | dB/m    | dB     | cm    | deg   |         |            |
| 1 | 11062.24 | 56.80  | 74.00  | -17.20 | 41.63 | 10.67 | 39.18   | 34.68  | 101   | 118   | Peak    | HORIZONTAL |
| 2 | 11064.64 | 43.34  | 54.00  | -10.66 | 28.17 | 10.67 | 39.18   | 34.68  | 101   | 118   | Average | HORIZONTAL |
| 3 | 11548.10 | 57.34  | 74.00  | -16.66 | 41.68 | 10.75 | 39.67   | 34.76  | 110   | 139   | Peak    | HORIZONTAL |
| 4 | 11553.24 | 43.93  | 54.00  | -10.07 | 28.28 | 10.76 | 39.65   | 34.76  | 110   | 139   | Average | HORIZONTAL |

### Vertical

|   | Freq     | Level  | Limit  | Over   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 11058.96 | 43.34  | 54.00  | -10.66 | 28.21 | 10.67 | 39.14   | 34.68  | 124   | 166   | Average | VERTICAL  |
| 2 | 11064.20 | 55.91  | 74.00  | -18.09 | 40.74 | 10.67 | 39.18   | 34.68  | 124   | 166   | Peak    | VERTICAL  |
| 3 | 11550.86 | 43.99  | 54.00  | -10.01 | 28.34 | 10.76 | 39.65   | 34.76  | 114   | 185   | Average | VERTICAL  |
| 4 | 11553.18 | 57.51  | 74.00  | -16.49 | 41.86 | 10.76 | 39.65   | 34.76  | 114   | 185   | Peak    | VERTICAL  |

|               |                                         |                |                                                                                                     |
|---------------|-----------------------------------------|----------------|-----------------------------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                                                 |
| Test Engineer | Zero Chen & Stim<br>Sung & Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss2 VHT80+80<br>Type 11 / CH 122+155 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 30, 2016                           |                |                                                                                                     |

### Horizontal

|   | Freq     | Level  | Limit  | Over   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|----------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | dB    | dB/m    | dB     | cm    | deg   |         |            |
| 1 | 11218.62 | 56.15  | 74.00  | -17.85 | 40.81 | 10.70 | 39.34   | 34.70  | 103   | 175   | Peak    | HORIZONTAL |
| 2 | 11219.86 | 43.24  | 54.00  | -10.76 | 27.90 | 10.70 | 39.34   | 34.70  | 103   | 175   | Average | HORIZONTAL |
| 3 | 11547.04 | 57.12  | 74.00  | -16.88 | 41.46 | 10.75 | 39.67   | 34.76  | 108   | 105   | Peak    | HORIZONTAL |
| 4 | 11549.40 | 44.98  | 54.00  | -9.02  | 29.32 | 10.75 | 39.67   | 34.76  | 108   | 105   | Average | HORIZONTAL |

### Vertical

|   | Freq     | Level  | Limit  | Over   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 11216.00 | 55.69  | 74.00  | -18.31 | 40.35 | 10.70 | 39.34   | 34.70  | 121   | 66    | Peak    | VERTICAL  |
| 2 | 11224.08 | 43.22  | 54.00  | -10.78 | 27.85 | 10.70 | 39.38   | 34.71  | 121   | 66    | Average | VERTICAL  |
| 3 | 11549.90 | 56.43  | 74.00  | -17.57 | 40.77 | 10.75 | 39.67   | 34.76  | 117   | 125   | Peak    | VERTICAL  |
| 4 | 11551.32 | 43.85  | 54.00  | -10.15 | 28.20 | 10.76 | 39.65   | 34.76  | 117   | 125   | Average | VERTICAL  |

|               |                                         |                |                                                                                                     |
|---------------|-----------------------------------------|----------------|-----------------------------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                                                 |
| Test Engineer | Zero Chen & Stim Sung<br>& Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss2 VHT80+80<br>Type 12 / CH 138+155 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 30, 2016                           |                |                                                                                                     |

### Horizontal

|   | Freq     | Level  | Limit  | Over   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|----------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | dB    | dB/m    | dB     | cm    | deg   |         |            |
| 1 | 11376.30 | 56.44  | 74.00  | -17.56 | 40.91 | 10.72 | 39.54   | 34.73  | 141   | 223   | Peak    | HORIZONTAL |
| 2 | 11380.64 | 43.82  | 54.00  | -10.18 | 28.29 | 10.72 | 39.54   | 34.73  | 141   | 223   | Average | HORIZONTAL |
| 3 | 11546.00 | 57.22  | 74.00  | -16.78 | 41.56 | 10.75 | 39.67   | 34.76  | 133   | 343   | Peak    | HORIZONTAL |
| 4 | 11553.20 | 44.16  | 54.00  | -9.84  | 28.51 | 10.76 | 39.65   | 34.76  | 133   | 343   | Average | HORIZONTAL |

### Vertical

|   | Freq     | Level  | Limit  | Over   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 11377.76 | 43.73  | 54.00  | -10.27 | 28.20 | 10.72 | 39.54   | 34.73  | 123   | 112   | Average | VERTICAL  |
| 2 | 11377.80 | 57.17  | 74.00  | -16.83 | 41.64 | 10.72 | 39.54   | 34.73  | 123   | 112   | Peak    | VERTICAL  |
| 3 | 11545.10 | 43.97  | 54.00  | -10.03 | 28.31 | 10.75 | 39.67   | 34.76  | 127   | 176   | Average | VERTICAL  |
| 4 | 11552.82 | 57.39  | 74.00  | -16.61 | 41.74 | 10.76 | 39.65   | 34.76  | 127   | 176   | Peak    | VERTICAL  |

|               |                                         |                |                                                                                                   |
|---------------|-----------------------------------------|----------------|---------------------------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                                               |
| Test Engineer | Zero Chen & Stim Sung<br>& Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss2 VHT80+80<br>Type 13 / CH 42+58 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 30, 2016                           |                |                                                                                                   |

### Horizontal

|   | Freq     | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | Cable<br>Loss | Antenna<br>Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|----------|--------|---------------|---------------|---------------|---------------|-------------------|------------------|-------|-------|---------|------------|
|   | MHz      | dBuV/m | dBuV/m        | dB            | dBuV          | dB            | dB/m              | dB               | cm    | deg   |         |            |
| 1 | 15629.62 | 46.53  | 54.00         | -7.47         | 30.00         | 13.38         | 38.34             | 35.19            | 173   | 93    | Average | HORIZONTAL |
| 2 | 15631.20 | 59.18  | 74.00         | -14.82        | 42.65         | 13.38         | 38.34             | 35.19            | 173   | 93    | Peak    | HORIZONTAL |
| 3 | 15869.28 | 46.83  | 54.00         | -7.17         | 30.69         | 13.39         | 38.06             | 35.31            | 178   | 336   | Average | HORIZONTAL |
| 4 | 15871.70 | 60.12  | 74.00         | -13.88        | 43.98         | 13.39         | 38.06             | 35.31            | 178   | 336   | Peak    | HORIZONTAL |

### Vertical

|   | Freq     | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | Cable<br>Loss | Antenna<br>Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|----------|--------|---------------|---------------|---------------|---------------|-------------------|------------------|-------|-------|---------|-----------|
|   | MHz      | dBuV/m | dBuV/m        | dB            | dBuV          | dB            | dB/m              | dB               | cm    | deg   |         |           |
| 1 | 15625.52 | 59.80  | 74.00         | -14.20        | 43.27         | 13.38         | 38.34             | 35.19            | 183   | 127   | Peak    | VERTICAL  |
| 2 | 15632.70 | 46.61  | 54.00         | -7.39         | 30.08         | 13.38         | 38.34             | 35.19            | 183   | 127   | Average | VERTICAL  |
| 3 | 15871.92 | 46.59  | 54.00         | -7.41         | 30.45         | 13.39         | 38.06             | 35.31            | 179   | 190   | Average | VERTICAL  |
| 4 | 15874.22 | 59.10  | 74.00         | -14.90        | 43.04         | 13.39         | 38.01             | 35.34            | 179   | 190   | Peak    | VERTICAL  |

|               |                                         |                |                                                                                                     |
|---------------|-----------------------------------------|----------------|-----------------------------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                                                 |
| Test Engineer | Zero Chen & Stim<br>Sung & Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss2 VHT80+80<br>Type 14 / CH 106+122 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 30, 2016                           |                |                                                                                                     |

#### Horizontal

|   | Freq     | Level  | Limit  | Over   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|----------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|------------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | dB    | dB/m    | dB     | cm    | deg   |         |            |
| 1 | 11056.96 | 56.44  | 74.00  | -17.56 | 41.31 | 10.67 | 39.14   | 34.68  | 132   | 26    | Peak    | HORIZONTAL |
| 2 | 11063.58 | 43.41  | 54.00  | -10.59 | 28.24 | 10.67 | 39.18   | 34.68  | 132   | 26    | Average | HORIZONTAL |
| 3 | 11218.78 | 56.67  | 74.00  | -17.33 | 41.33 | 10.70 | 39.34   | 34.70  | 154   | 11    | Peak    | HORIZONTAL |
| 4 | 11222.60 | 43.29  | 54.00  | -10.71 | 27.92 | 10.70 | 39.38   | 34.71  | 154   | 11    | Average | HORIZONTAL |

#### Vertical

|   | Freq     | Level  | Limit  | Over   | Read  | Cable | Antenna | Preamp | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|----------|--------|--------|--------|-------|-------|---------|--------|-------|-------|---------|-----------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | dB    | dB/m    | dB     | cm    | deg   |         |           |
| 1 | 11056.10 | 43.44  | 54.00  | -10.56 | 28.31 | 10.67 | 39.14   | 34.68  | 159   | 21    | Average | VERTICAL  |
| 2 | 11059.76 | 55.92  | 74.00  | -18.08 | 40.79 | 10.67 | 39.14   | 34.68  | 159   | 21    | Peak    | VERTICAL  |
| 3 | 11219.10 | 56.22  | 74.00  | -17.78 | 40.88 | 10.70 | 39.34   | 34.70  | 156   | 66    | Peak    | VERTICAL  |
| 4 | 11219.64 | 43.13  | 54.00  | -10.87 | 27.79 | 10.70 | 39.34   | 34.70  | 156   | 66    | Average | VERTICAL  |

|               |                                         |                |                                                                                                     |
|---------------|-----------------------------------------|----------------|-----------------------------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                                                 |
| Test Engineer | Zero Chen & Stim Sung<br>& Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss2 VHT80+80<br>Type 15 / CH 122+138 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 30, 2016                           |                |                                                                                                     |

#### Horizontal

|   | Freq     | Level  | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamplifier Factor | A/Pos | T/Pos | Remark  | Pol/Phase  |
|---|----------|--------|------------|------------|------------|------------|----------------|---------------------|-------|-------|---------|------------|
|   | MHz      | dBuV/m | dBuV/m     | dB         | dBuV       | dB         | dB/m           | dB                  | cm    | deg   |         |            |
| 1 | 11219.28 | 56.66  | 74.00      | -17.34     | 41.32      | 10.70      | 39.34          | 34.70               | 102   | 119   | Peak    | HORIZONTAL |
| 2 | 11219.80 | 43.11  | 54.00      | -10.89     | 27.77      | 10.70      | 39.34          | 34.70               | 102   | 119   | Average | HORIZONTAL |
| 3 | 11378.70 | 44.95  | 54.00      | -9.05      | 29.42      | 10.72      | 39.54          | 34.73               | 107   | 174   | Average | HORIZONTAL |
| 4 | 11379.92 | 56.68  | 74.00      | -17.32     | 41.15      | 10.72      | 39.54          | 34.73               | 107   | 174   | Peak    | HORIZONTAL |

#### Vertical

|   | Freq     | Level  | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamplifier Factor | A/Pos | T/Pos | Remark  | Pol/Phase |
|---|----------|--------|------------|------------|------------|------------|----------------|---------------------|-------|-------|---------|-----------|
|   | MHz      | dBuV/m | dBuV/m     | dB         | dBuV       | dB         | dB/m           | dB                  | cm    | deg   |         |           |
| 1 | 11215.92 | 43.18  | 54.00      | -10.82     | 27.84      | 10.70      | 39.34          | 34.70               | 175   | 90    | Average | VERTICAL  |
| 2 | 11224.20 | 56.14  | 74.00      | -17.86     | 40.77      | 10.70      | 39.38          | 34.71               | 175   | 90    | Peak    | VERTICAL  |
| 3 | 11377.68 | 56.49  | 74.00      | -17.51     | 40.96      | 10.72      | 39.54          | 34.73               | 173   | 20    | Peak    | VERTICAL  |
| 4 | 11384.48 | 43.85  | 54.00      | -10.15     | 28.27      | 10.73      | 39.58          | 34.73               | 173   | 20    | Average | VERTICAL  |

#### Note:

The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamplifier Factor = Level.

## For beamforming mode

|               |                                         |                |                                                                                |
|---------------|-----------------------------------------|----------------|--------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                            |
| Test Engineer | Zero Chen & Stim Sung<br>& Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 31, 2016                           |                |                                                                                |

## Horizontal

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|----------|--------|--------|--------|-------|--------------|--------|-------|-------|-------------|------------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | dB           | dB/m   | dB    | cm    | deg         |            |
| 1 | 15536.10 | 47.74  | 54.00  | -6.26  | 31.05 | 13.38        | 38.45  | 35.14 | 216   | 203 Average | HORIZONTAL |
| 2 | 15540.22 | 61.46  | 74.00  | -12.54 | 44.77 | 13.38        | 38.45  | 35.14 | 216   | 203 Peak    | HORIZONTAL |

## Vertical

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase |
|---|----------|--------|--------|--------|-------|--------------|--------|-------|-------|-------------|-----------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | dB           | dB/m   | dB    | cm    | deg         |           |
| 1 | 15535.54 | 47.78  | 54.00  | -6.22  | 31.09 | 13.38        | 38.45  | 35.14 | 218   | 130 Average | VERTICAL  |
| 2 | 15535.78 | 60.44  | 74.00  | -13.56 | 43.75 | 13.38        | 38.45  | 35.14 | 218   | 130 Peak    | VERTICAL  |

|               |                                         |                |                                                                                |
|---------------|-----------------------------------------|----------------|--------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                            |
| Test Engineer | Zero Chen & Stim Sung<br>& Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 31, 2016                           |                |                                                                                |

### Horizontal

|   | Freq     | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|----------|--------|---------------|---------------|---------------|-----------------------------|------------------|-------|-------|-------------|------------|
|   | MHz      | dBuV/m | dBuV/m        | dB            | dBuV          | dB                          | dB/m             | dB    | cm    | deg         |            |
| 1 | 15598.56 | 49.15  | 54.00         | -4.85         | 32.54         | 13.38                       | 38.39            | 35.16 | 135   | 169 Average | HORIZONTAL |
| 2 | 15603.94 | 62.41  | 74.00         | -11.59        | 45.88         | 13.38                       | 38.34            | 35.19 | 135   | 169 Peak    | HORIZONTAL |

### Vertical

|   | Freq     | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark      | Pol/Phase |
|---|----------|--------|---------------|---------------|---------------|-----------------------------|------------------|-------|-------|-------------|-----------|
|   | MHz      | dBuV/m | dBuV/m        | dB            | dBuV          | dB                          | dB/m             | dB    | cm    | deg         |           |
| 1 | 15602.68 | 60.30  | 74.00         | -13.70        | 43.77         | 13.38                       | 38.34            | 35.19 | 141   | 213 Peak    | VERTICAL  |
| 2 | 15602.76 | 47.55  | 54.00         | -6.45         | 31.02         | 13.38                       | 38.34            | 35.19 | 141   | 213 Average | VERTICAL  |

|               |                                         |                |                                                                                |
|---------------|-----------------------------------------|----------------|--------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                            |
| Test Engineer | Zero Chen & Stim Sung<br>& Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 31, 2016                           |                |                                                                                |

### Horizontal

|   | Freq     | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|----------|--------|---------------|---------------|---------------|-----------------------------|------------------|-------|-------|-------------|------------|
|   | MHz      | dBuV/m | dBuV/m        | dB            | dBuV          | dB                          | dB/m             | dB    | cm    | deg         |            |
| 1 | 15715.64 | 46.99  | 54.00         | -7.01         | 30.61         | 13.39                       | 38.23            | 35.24 | 142   | 298 Average | HORIZONTAL |
| 2 | 15723.22 | 59.98  | 74.00         | -14.02        | 43.60         | 13.39                       | 38.23            | 35.24 | 142   | 298 Peak    | HORIZONTAL |

### Vertical

|   | Freq     | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss Factor | Preamp<br>Factor | A/Pos | T/Pos | Remark      | Pol/Phase |
|---|----------|--------|---------------|---------------|---------------|-----------------------------|------------------|-------|-------|-------------|-----------|
|   | MHz      | dBuV/m | dBuV/m        | dB            | dBuV          | dB                          | dB/m             | dB    | cm    | deg         |           |
| 1 | 15715.02 | 47.28  | 54.00         | -6.72         | 30.90         | 13.39                       | 38.23            | 35.24 | 138   | 263 Average | VERTICAL  |
| 2 | 15723.34 | 59.18  | 74.00         | -14.82        | 42.80         | 13.39                       | 38.23            | 35.24 | 138   | 263 Peak    | VERTICAL  |

|               |                                         |                |                                                                                |
|---------------|-----------------------------------------|----------------|--------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                            |
| Test Engineer | Zero Chen & Stim Sung<br>& Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 52 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 31, 2016                           |                |                                                                                |

### Horizontal

|   | Freq     | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss Factor | Preamplifier<br>Factor | A/Pos | T/Pos | Remark     | Pol/Phase  |
|---|----------|--------|---------------|---------------|---------------|-----------------------------|------------------------|-------|-------|------------|------------|
|   | MHz      | dBuV/m | dBuV/m        | dB            | dBuV          | dB                          | dB/m                   | dB    | cm    | deg        |            |
| 1 | 15778.90 | 60.24  | 74.00         | -13.76        | 43.94         | 13.39                       | 38.17                  | 35.26 | 155   | 89 Peak    | HORIZONTAL |
| 2 | 15783.94 | 47.10  | 54.00         | -6.90         | 30.88         | 13.39                       | 38.12                  | 35.29 | 155   | 89 Average | HORIZONTAL |

### Vertical

|   | Freq     | Level  | Limit<br>Line | Over<br>Limit | Read<br>Level | CableAntenna<br>Loss Factor | Preamplifier<br>Factor | A/Pos | T/Pos | Remark     | Pol/Phase |
|---|----------|--------|---------------|---------------|---------------|-----------------------------|------------------------|-------|-------|------------|-----------|
|   | MHz      | dBuV/m | dBuV/m        | dB            | dBuV          | dB                          | dB/m                   | dB    | cm    | deg        |           |
| 1 | 15776.86 | 60.17  | 74.00         | -13.83        | 43.87         | 13.39                       | 38.17                  | 35.26 | 155   | 36 Peak    | VERTICAL  |
| 2 | 15780.54 | 47.24  | 54.00         | -6.76         | 30.94         | 13.39                       | 38.17                  | 35.26 | 155   | 36 Average | VERTICAL  |

|               |                                         |                |                                                                                |
|---------------|-----------------------------------------|----------------|--------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                            |
| Test Engineer | Zero Chen & Stim Sung<br>& Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 60 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 31, 2016                           |                |                                                                                |

### Horizontal

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|----------|--------|--------|--------|-------|--------------|--------|-------|-------|-------------|------------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | dB           | dB/m   | dB    | cm    | deg         |            |
| 1 | 10597.68 | 42.52  | 54.00  | -11.48 | 27.85 | 10.59        | 38.94  | 34.86 | 156   | 242 Average | HORIZONTAL |
| 2 | 10602.74 | 55.75  | 74.00  | -18.25 | 41.08 | 10.59        | 38.94  | 34.86 | 156   | 242 Peak    | HORIZONTAL |

### Vertical

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos | T/Pos | Remark     | Pol/Phase |
|---|----------|--------|--------|--------|-------|--------------|--------|-------|-------|------------|-----------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | dB           | dB/m   | dB    | cm    | deg        |           |
| 1 | 10595.02 | 42.66  | 54.00  | -11.34 | 27.99 | 10.59        | 38.94  | 34.86 | 158   | 54 Average | VERTICAL  |
| 2 | 10602.00 | 55.60  | 74.00  | -18.40 | 40.93 | 10.59        | 38.94  | 34.86 | 158   | 54 Peak    | VERTICAL  |

|               |                                         |                |                                                                                |
|---------------|-----------------------------------------|----------------|--------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                            |
| Test Engineer | Zero Chen & Stim<br>Sung & Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 64 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 31, 2016                           |                |                                                                                |

### Horizontal

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase  |
|---|----------|--------|--------|--------|-------|--------------|--------|-------|-------|-------------|------------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | dB           | dB/m   | dB    | cm    | deg         |            |
| 1 | 10637.34 | 42.58  | 54.00  | -11.42 | 27.87 | 10.60        | 38.95  | 34.84 | 152   | 316 Average | HORIZONTAL |
| 2 | 10640.00 | 55.53  | 74.00  | -18.47 | 40.82 | 10.60        | 38.95  | 34.84 | 152   | 316 Peak    | HORIZONTAL |

### Vertical

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase |
|---|----------|--------|--------|--------|-------|--------------|--------|-------|-------|-------------|-----------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | dB           | dB/m   | dB    | cm    | deg         |           |
| 1 | 10636.92 | 42.41  | 54.00  | -11.59 | 27.70 | 10.60        | 38.95  | 34.84 | 141   | 201 Average | VERTICAL  |
| 2 | 10639.26 | 55.88  | 74.00  | -18.12 | 41.17 | 10.60        | 38.95  | 34.84 | 141   | 201 Peak    | VERTICAL  |

|               |                                         |                |                                                                                 |
|---------------|-----------------------------------------|----------------|---------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                             |
| Test Engineer | Zero Chen & Stim Sung<br>& Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 100 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 31, 2016                           |                |                                                                                 |

### Horizontal

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos | T/Pos | Remark     | Pol/Phase  |
|---|----------|--------|--------|--------|-------|--------------|--------|-------|-------|------------|------------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | dB           | dB/m   | dB    | cm    | deg        |            |
| 1 | 10995.66 | 42.65  | 54.00  | -11.35 | 27.58 | 10.66        | 39.09  | 34.68 | 139   | 84 Average | HORIZONTAL |
| 2 | 10999.98 | 55.14  | 74.00  | -18.86 | 40.05 | 10.66        | 39.10  | 34.67 | 139   | 84 Peak    | HORIZONTAL |

### Vertical

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase |
|---|----------|--------|--------|--------|-------|--------------|--------|-------|-------|-------------|-----------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | dB           | dB/m   | dB    | cm    | deg         |           |
| 1 | 11001.36 | 55.58  | 74.00  | -18.42 | 40.49 | 10.66        | 39.10  | 34.67 | 137   | 135 Peak    | VERTICAL  |
| 2 | 11004.08 | 42.67  | 54.00  | -11.33 | 27.58 | 10.66        | 39.10  | 34.67 | 137   | 135 Average | VERTICAL  |

|               |                                         |                |                                                                                 |
|---------------|-----------------------------------------|----------------|---------------------------------------------------------------------------------|
| Temperature   | 22°C                                    | Humidity       | 54%                                                                             |
| Test Engineer | Zero Chen & Stim<br>Sung & Steven Liang | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 116 /<br>Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Date     | Jul. 31, 2016                           |                |                                                                                 |

### Horizontal

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos | T/Pos | Remark     | Pol/Phase  |
|---|----------|--------|--------|--------|-------|--------------|--------|-------|-------|------------|------------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | dB           | dB/m   | dB    | cm    | deg        |            |
| 1 | 11159.62 | 55.73  | 74.00  | -18.27 | 40.44 | 10.69        | 39.30  | 34.70 | 149   | 68 Peak    | HORIZONTAL |
| 2 | 11163.72 | 43.75  | 54.00  | -10.25 | 28.46 | 10.69        | 39.30  | 34.70 | 149   | 68 Average | HORIZONTAL |

### Vertical

|   | Freq     | Level  | Limit  | Over   | Read  | CableAntenna | Preamp | A/Pos | T/Pos | Remark      | Pol/Phase |
|---|----------|--------|--------|--------|-------|--------------|--------|-------|-------|-------------|-----------|
|   | MHz      | dBuV/m | dBuV/m | dB     | dBuV  | dB           | dB/m   | dB    | cm    | deg         |           |
| 1 | 11155.48 | 42.97  | 54.00  | -11.03 | 27.71 | 10.69        | 39.26  | 34.69 | 148   | 147 Average | VERTICAL  |
| 2 | 11157.20 | 55.58  | 74.00  | -18.42 | 40.29 | 10.69        | 39.30  | 34.70 | 148   | 147 Peak    | VERTICAL  |