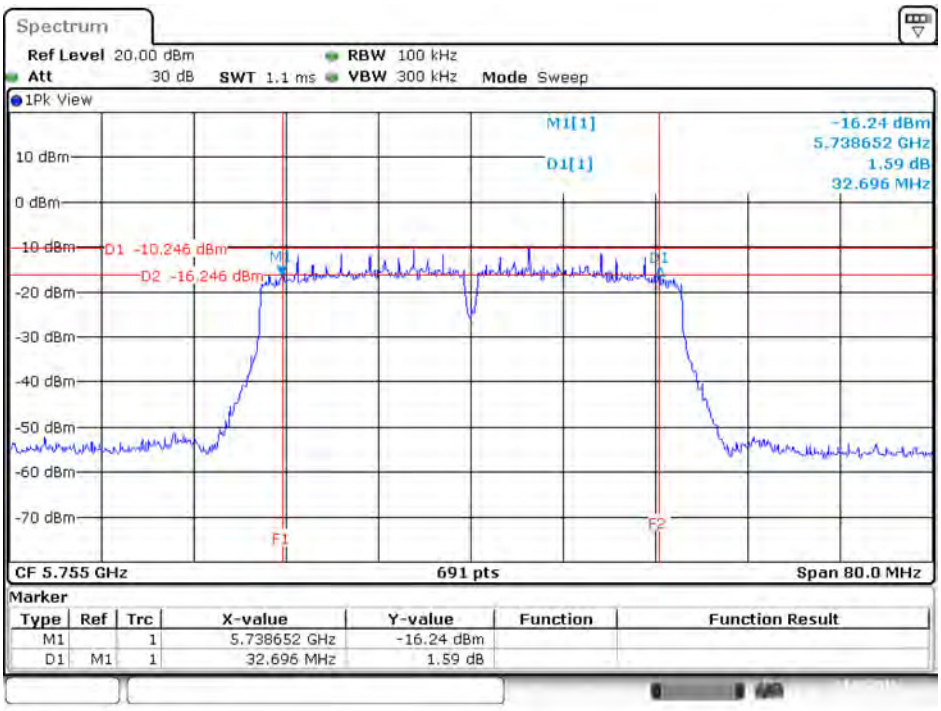
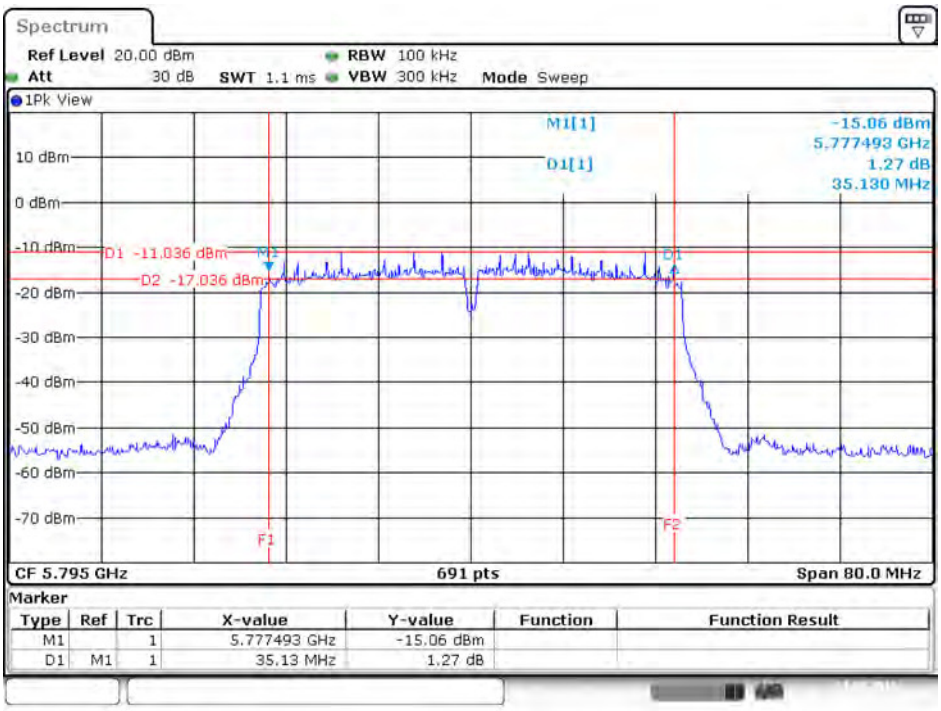
## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5755 MHz



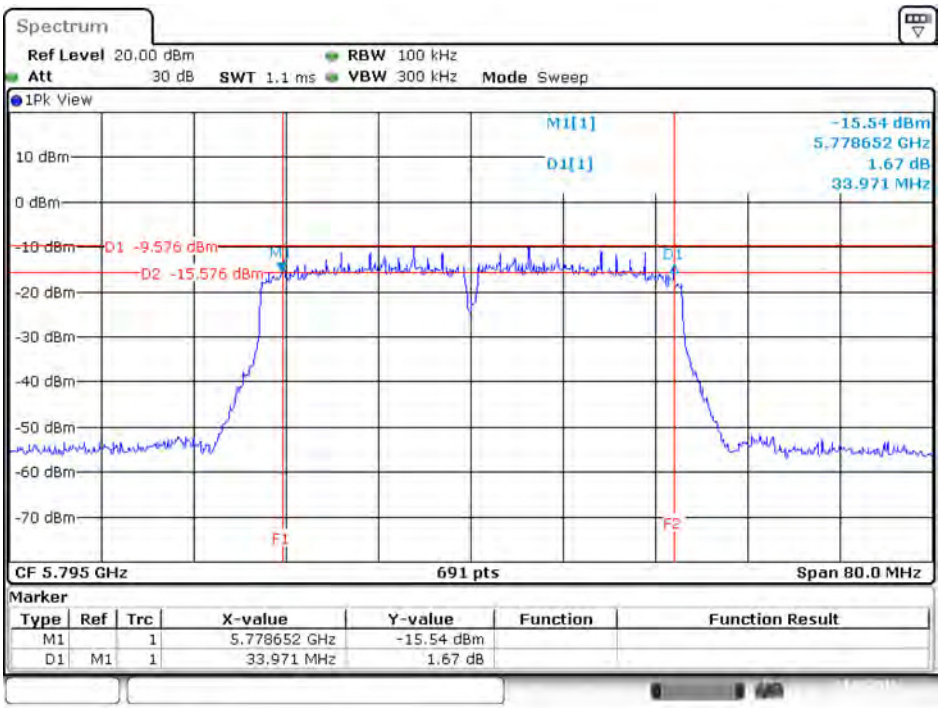

Date: 23.MAY.2016 13:57:26

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5795 MHz



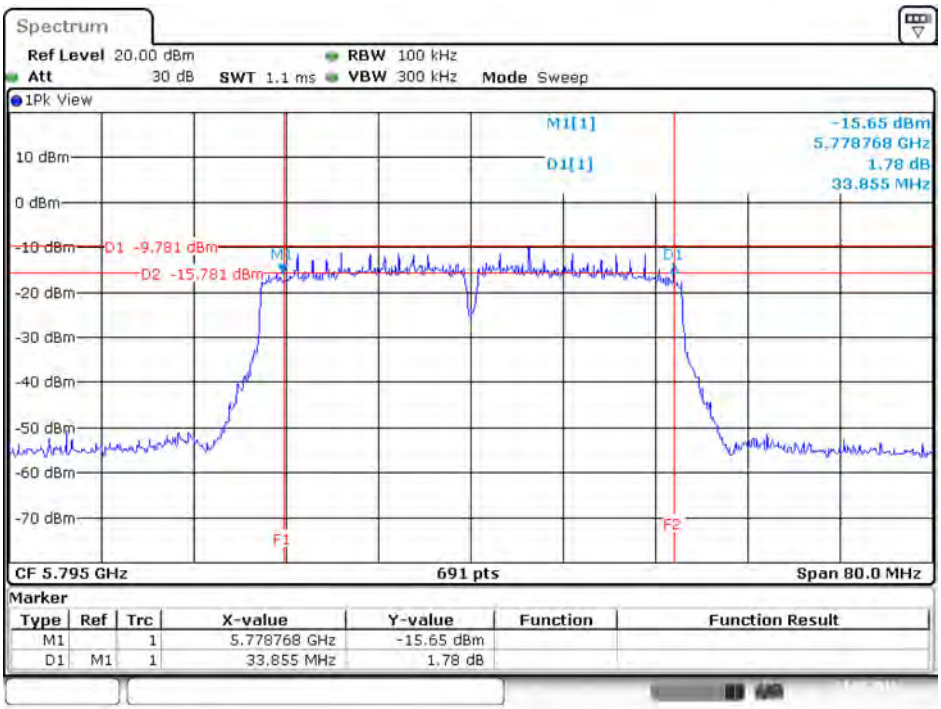

Date: 23.MAY.2016 13:59:48

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 3 / 5795 MHz



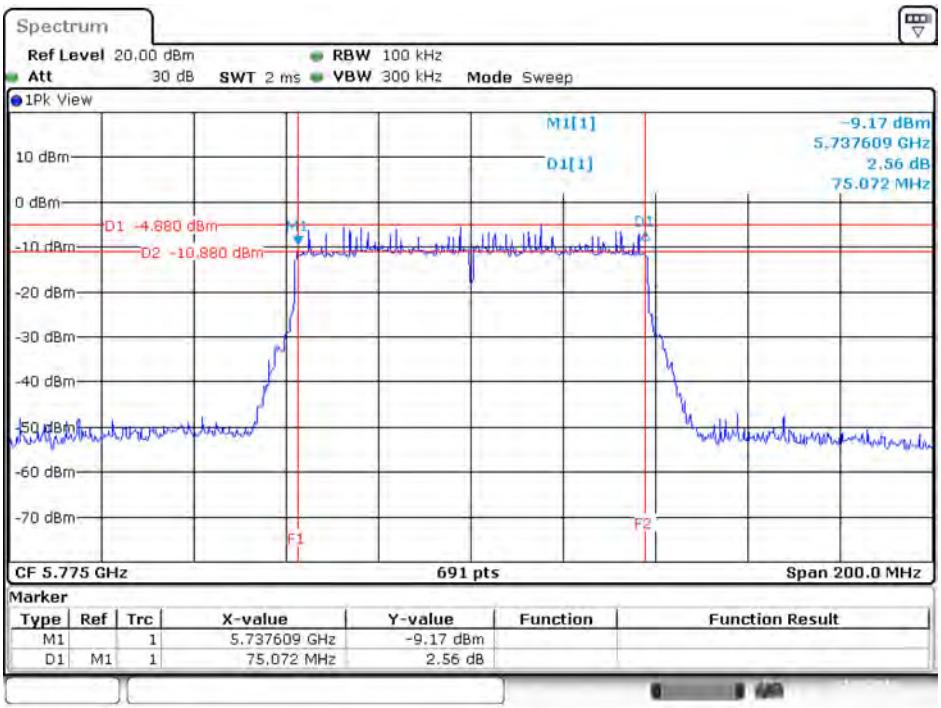

Date: 23.MAY.2016 14:00:02

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 / 5795 MHz



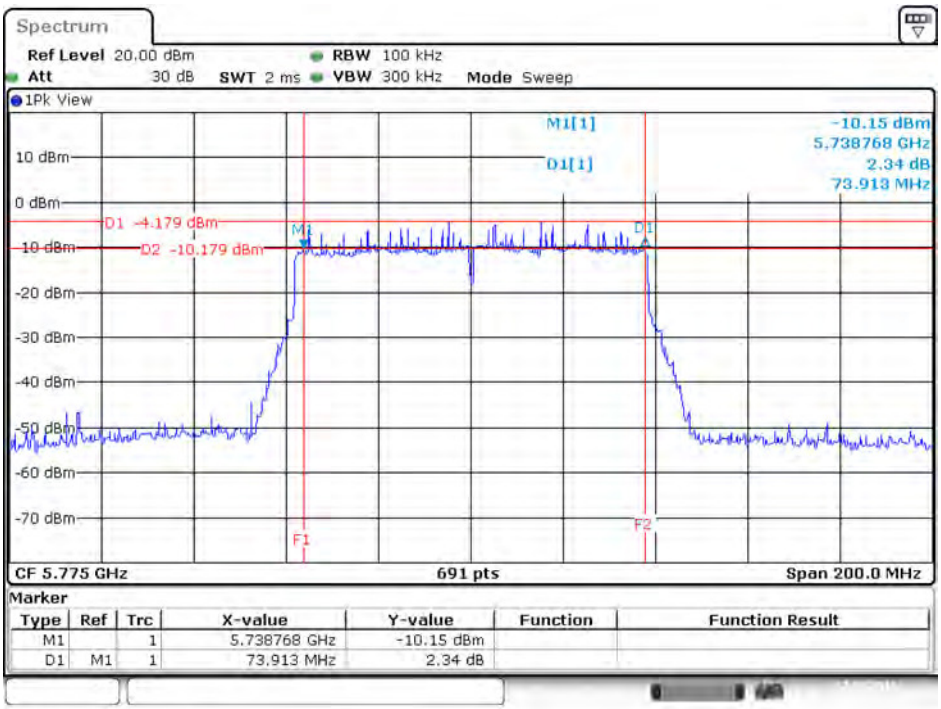

Date: 23.MAY.2016 14:00:16

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5775 MHz



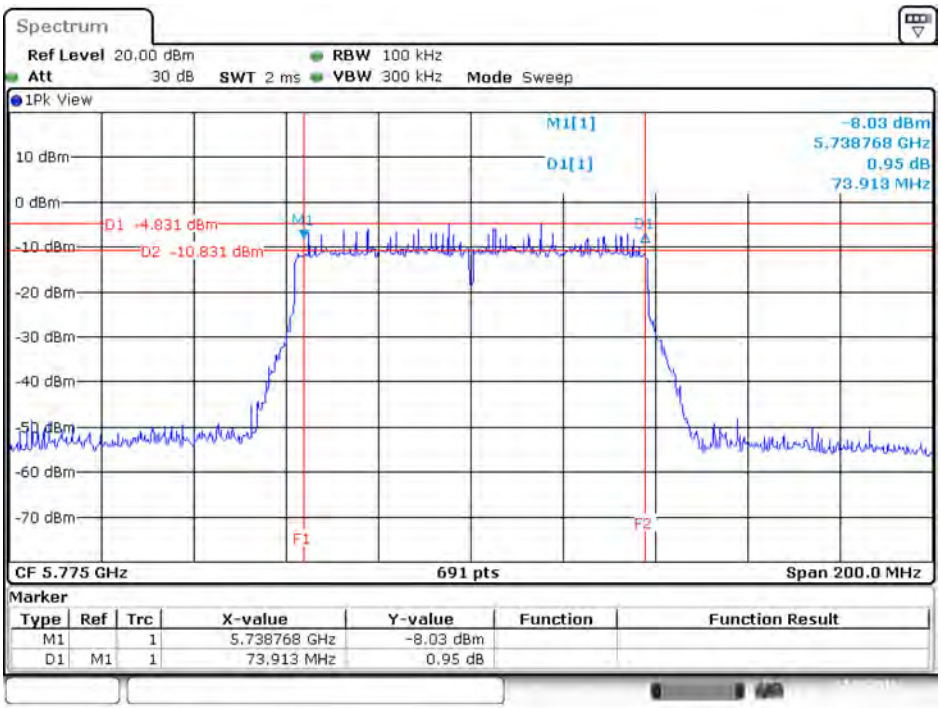

Date: 22.MAY.2016 18:16:29

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2 / 5775 MHz



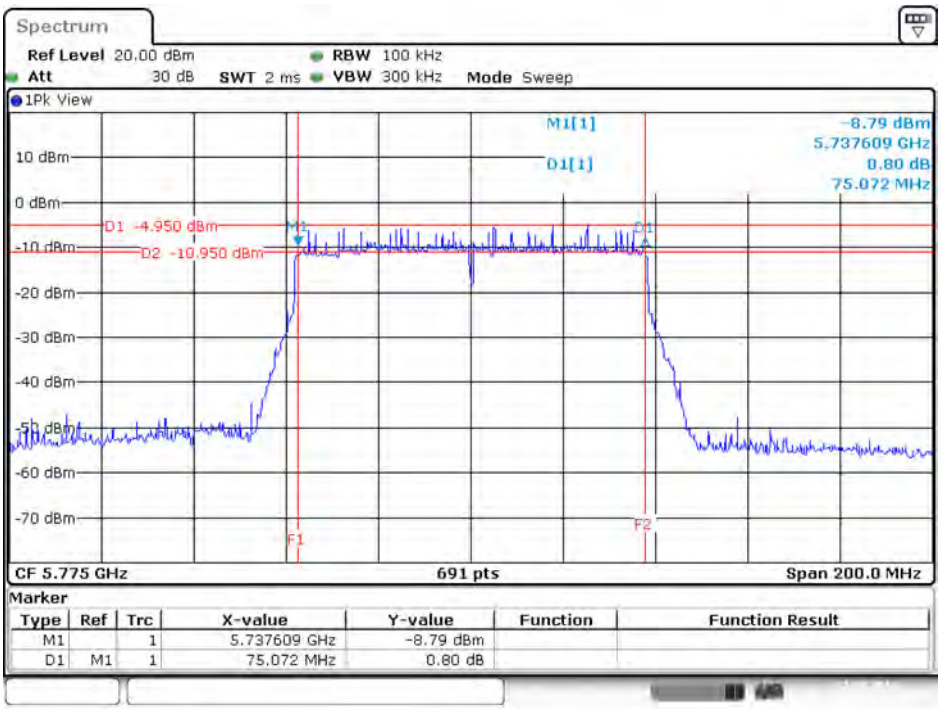

Date: 22.MAY.2016 18:16:19

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 3 / 5775 MHz



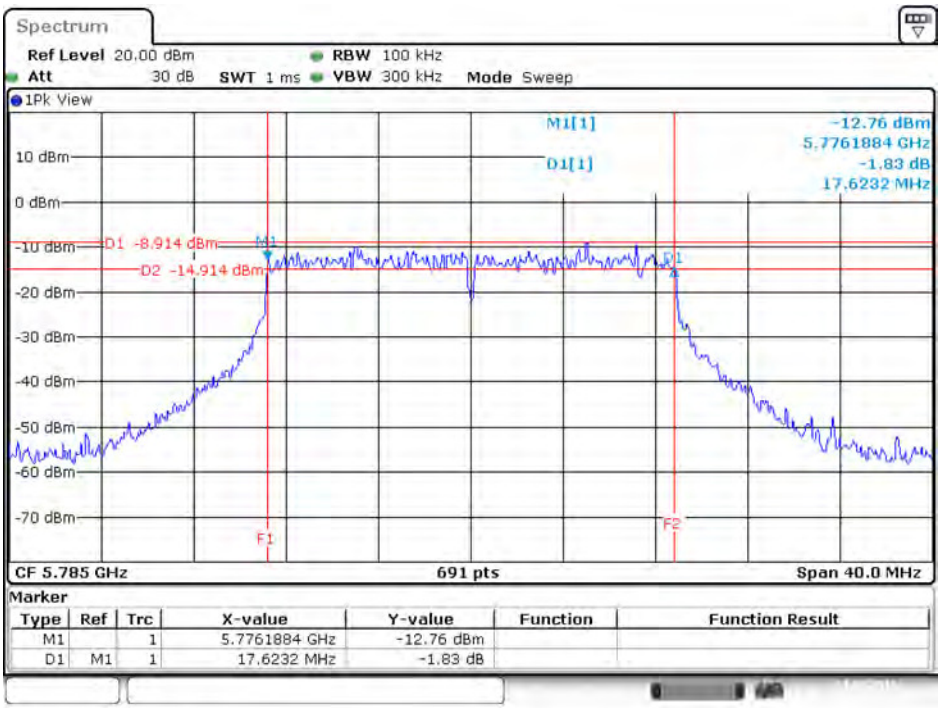

Date: 22.MAY.2016 18:16:08

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 / 5775 MHz



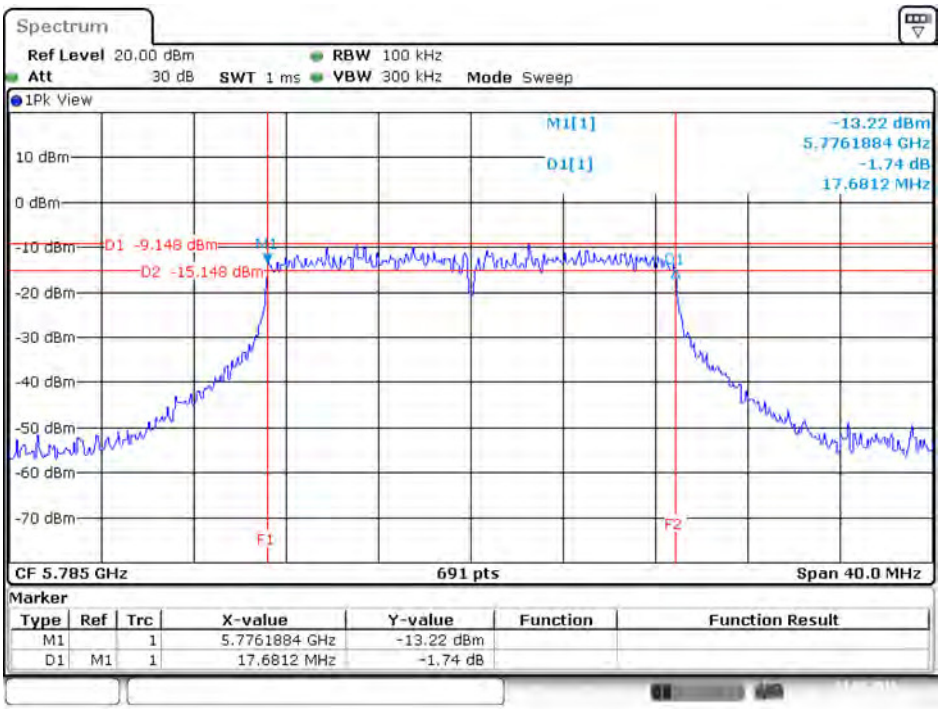

Date: 22.MAY.2016 18:15:56

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss4 VHT20 / Chain 1 / 5785 MHz



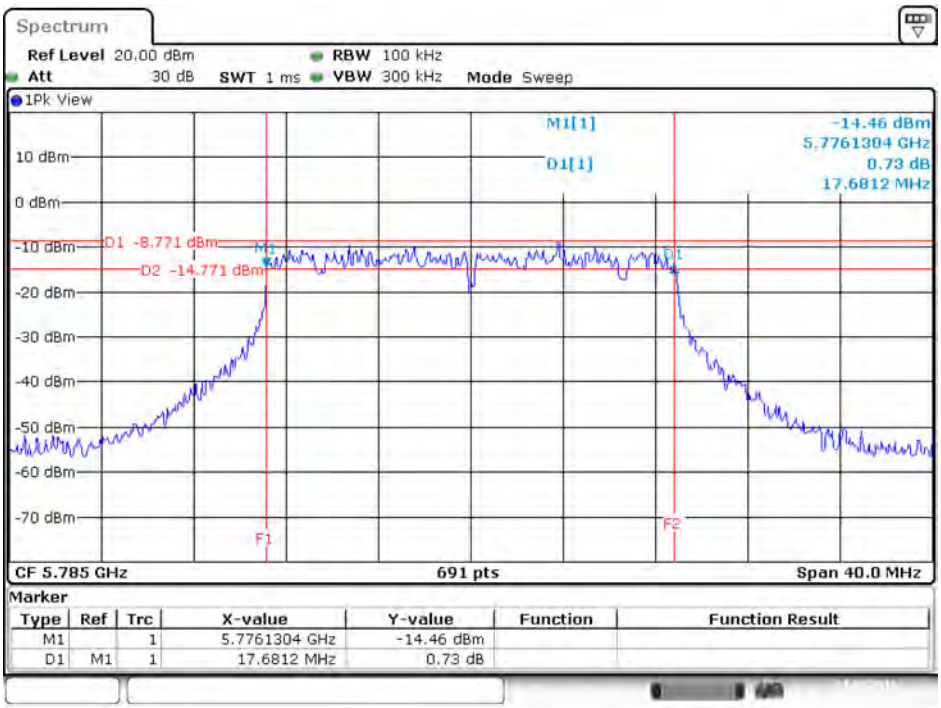

Date: 23.MAY.2016 14:50:35

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss4 VHT20 / Chain 2 / 5785 MHz



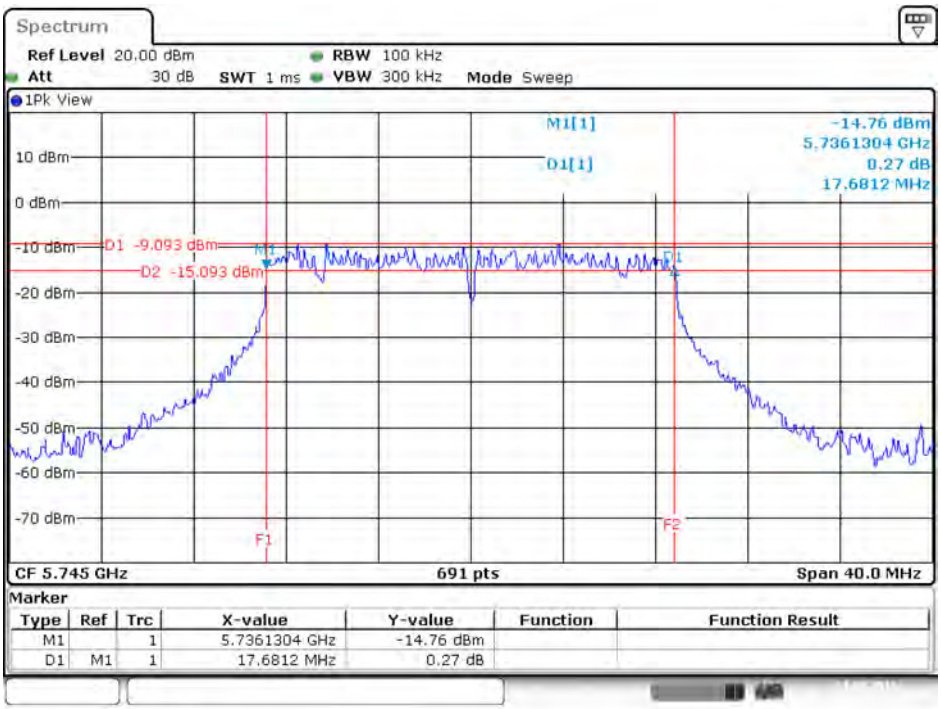

Date: 23.MAY.2016 14:50:51

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss4 VHT20 / Chain 3 / 5785 MHz



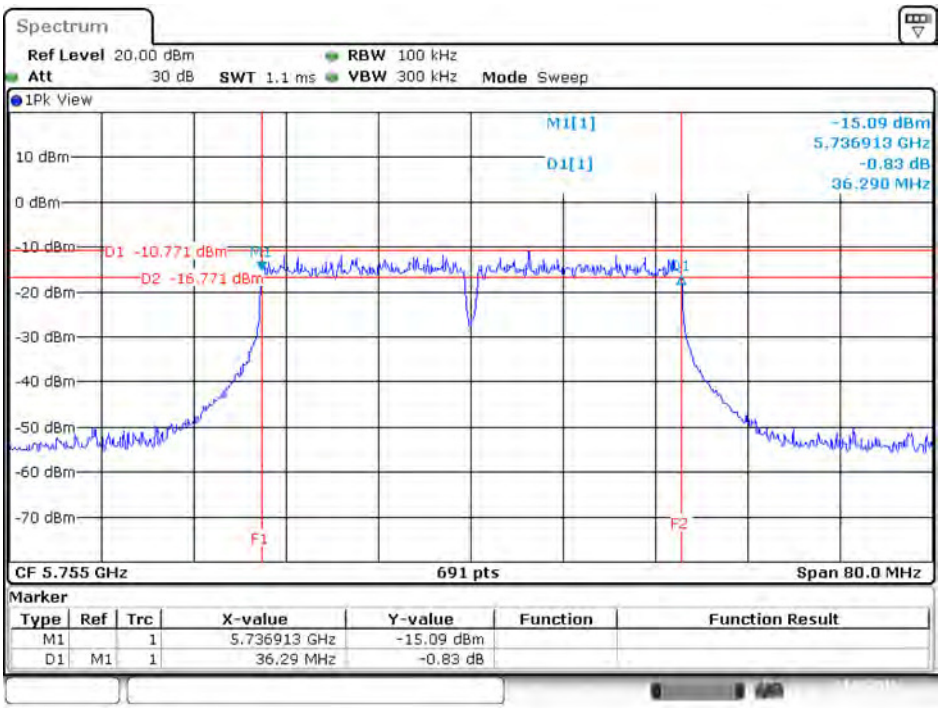

Date: 23.MAY.2016 14:51:06

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss4 VHT20 / Chain 4 / 5745 MHz



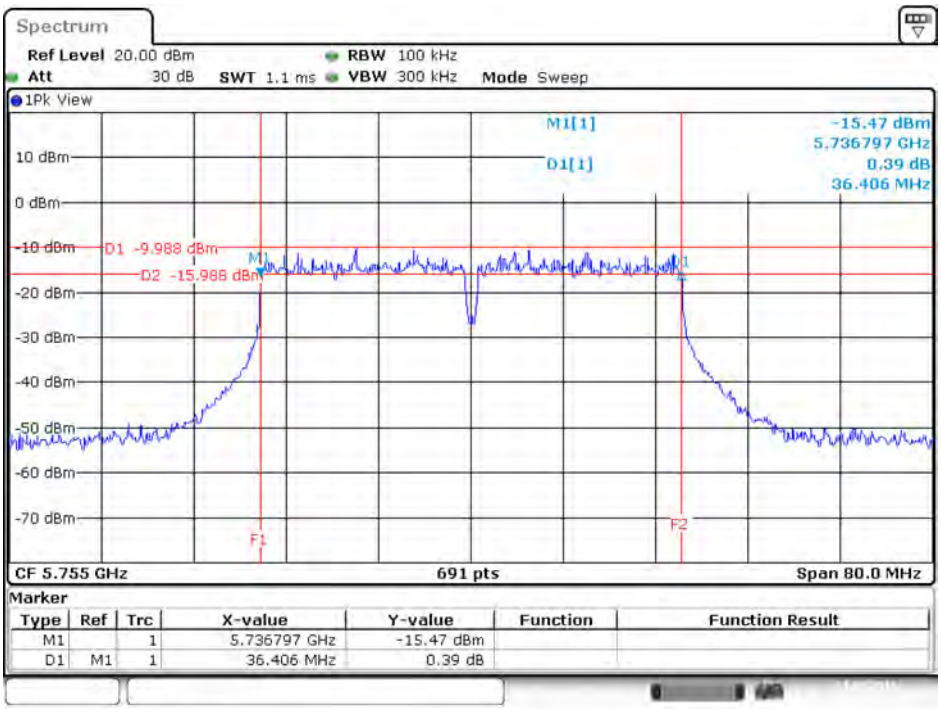

Date: 23.MAY.2016 14:50:02

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss4 VHT40 / Chain 1 / 5755 MHz



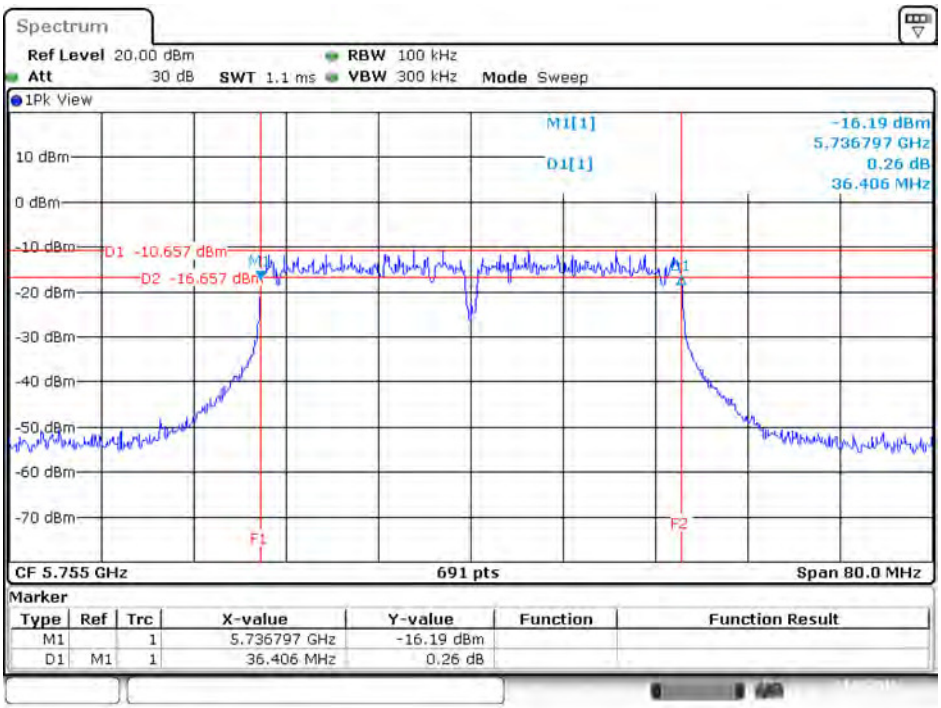

Date: 23.MAY.2016 14:54:35

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss4 VHT40 / Chain 2 / 5755 MHz



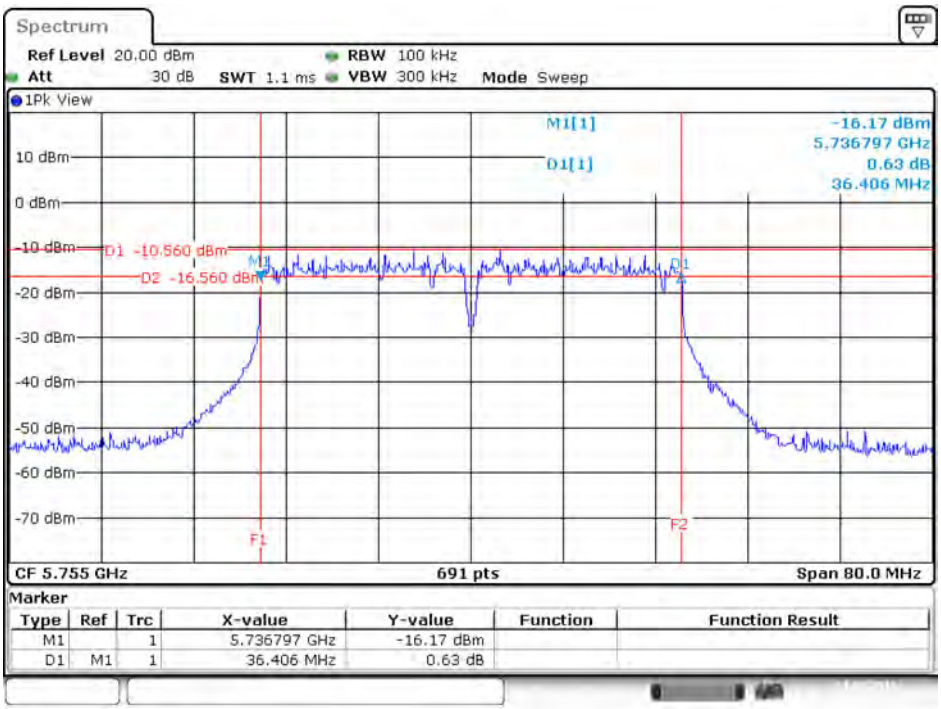

Date: 23.MAY.2016 14:54:54

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss4 VHT40 / Chain 3 / 5755 MHz



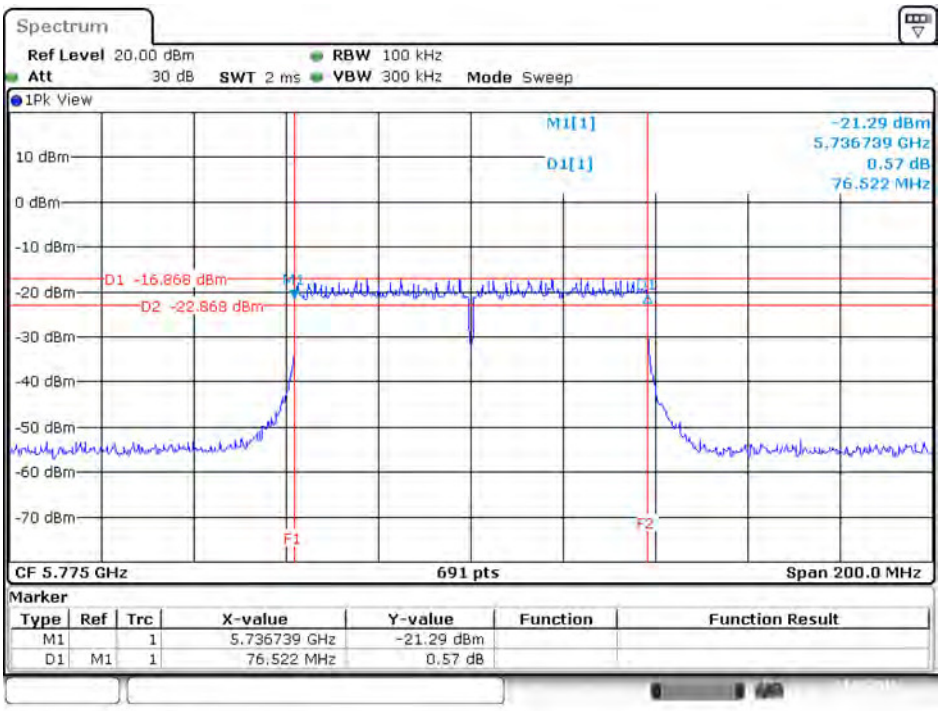

Date: 23.MAY.2016 14:55:12

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss4 VHT40 / Chain 4 / 5755 MHz



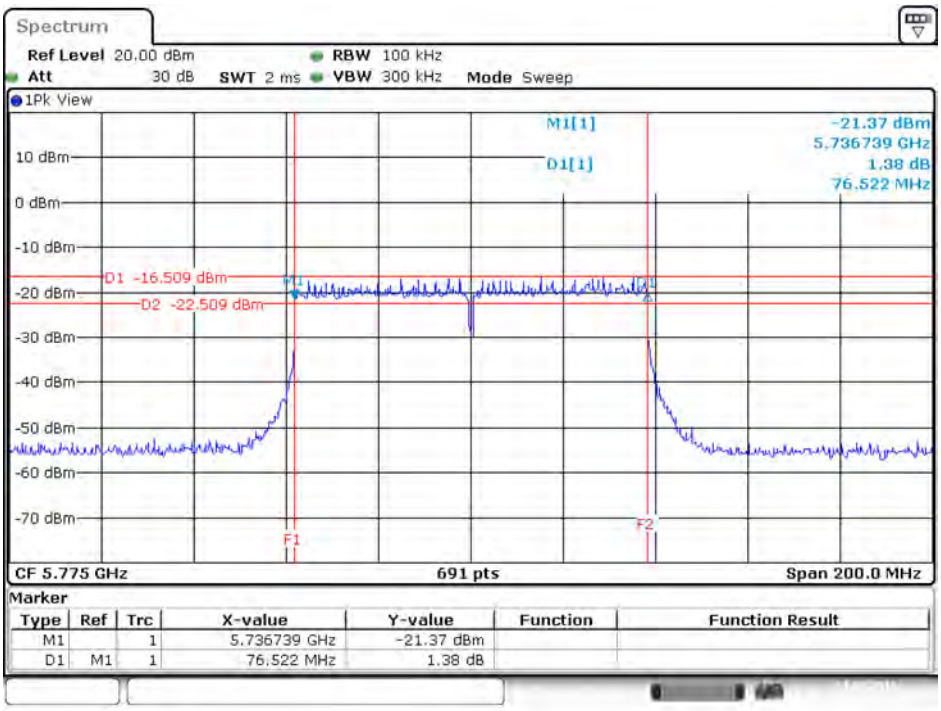

Date: 23.MAY.2016 14:55:29

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss4 VHT80 / Chain 1 / 5775 MHz



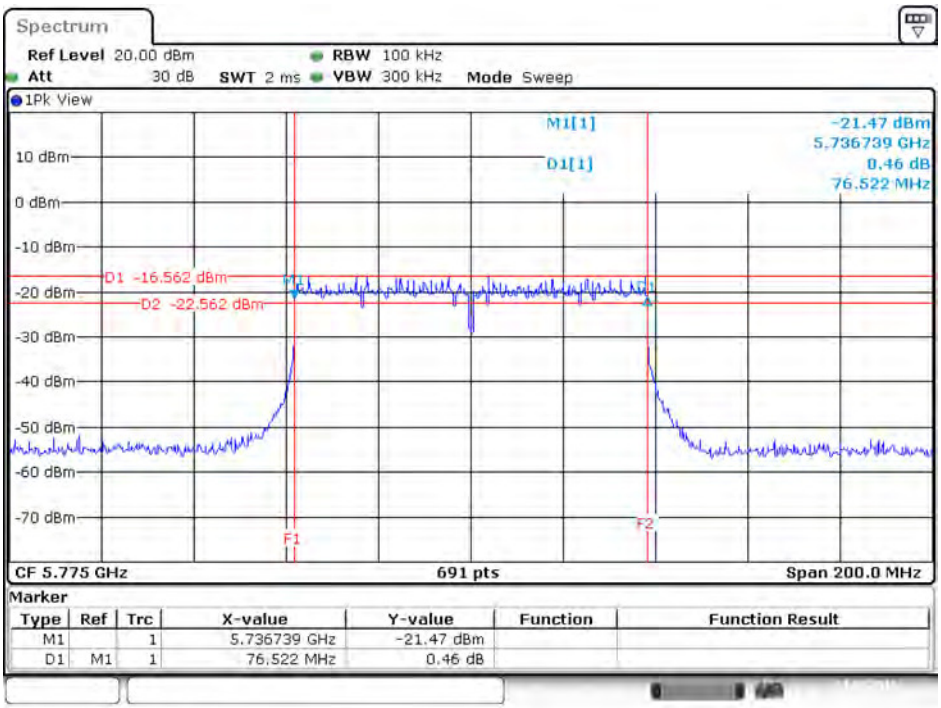

Date: 23.MAY.2016 14:57:49

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss4 VHT80 / Chain 2 / 5775 MHz



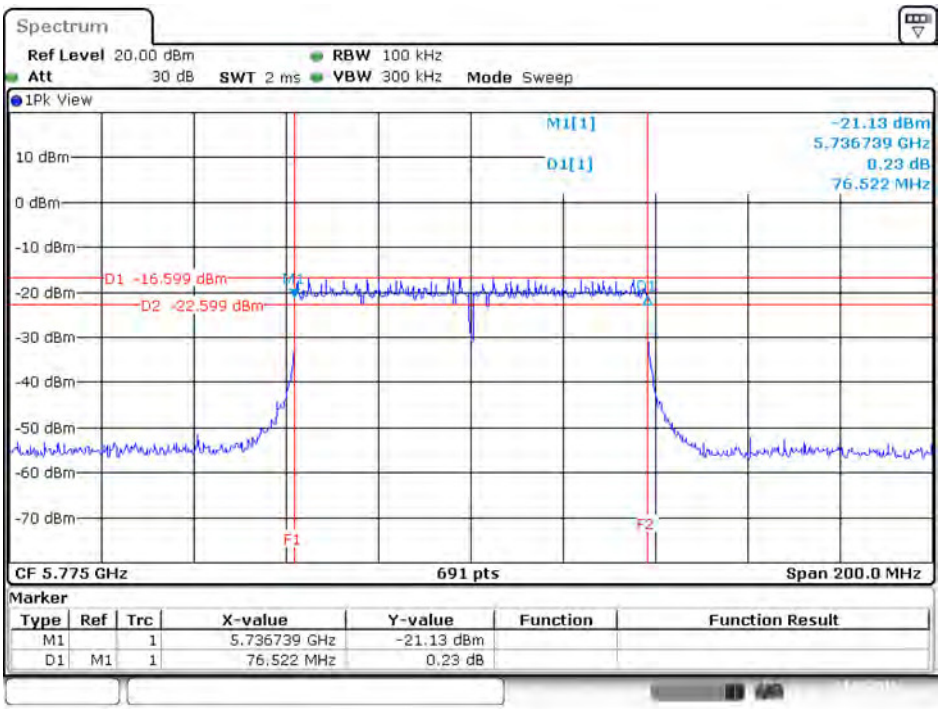

Date: 23.MAY.2016 14:58:03

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss4 VHT80 / Chain 3 / 5775 MHz




Date: 23.MAY.2016 14:58:16

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss4 VHT80 / Chain 4 / 5775 MHz

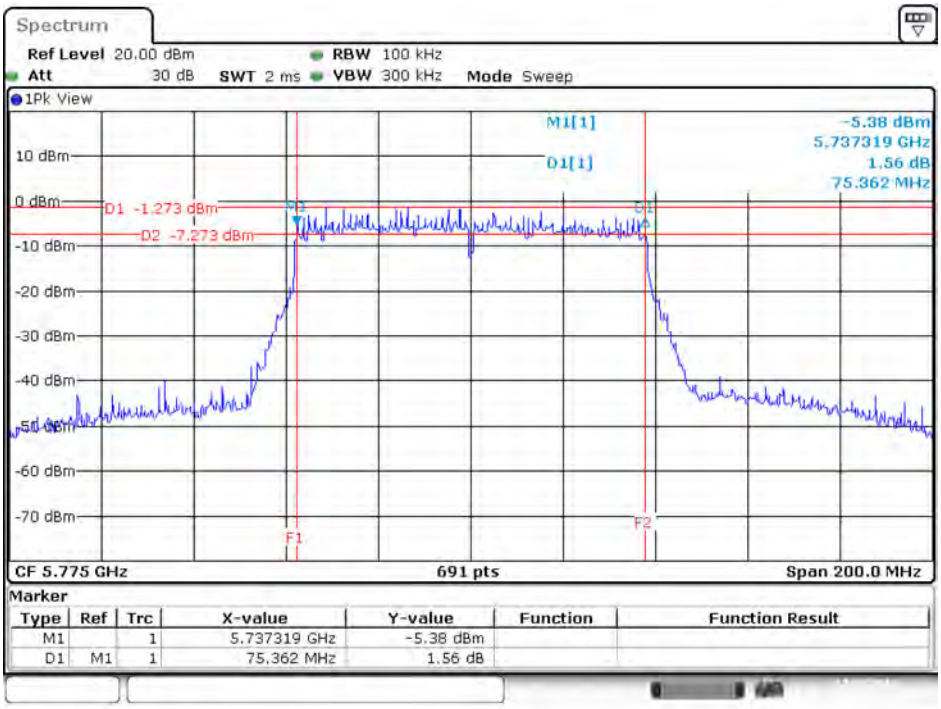



Date: 23.MAY.2016 14:58:31

## For 802.11ac MCS0/Nss2 VHT80+80 Mode

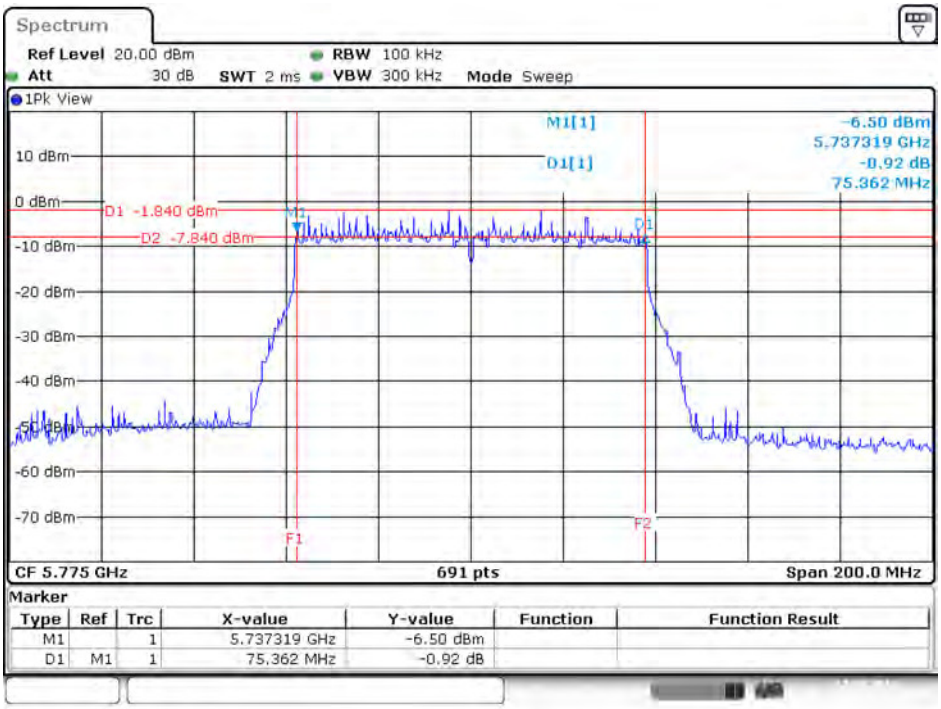
### Type 1

### 6 dB Bandwidth Plot on Chain 3 / 5775 MHz




Date: 17.MAY.2016 23:06:46

### 6 dB Bandwidth Plot on Chain 4 / 5775 MHz

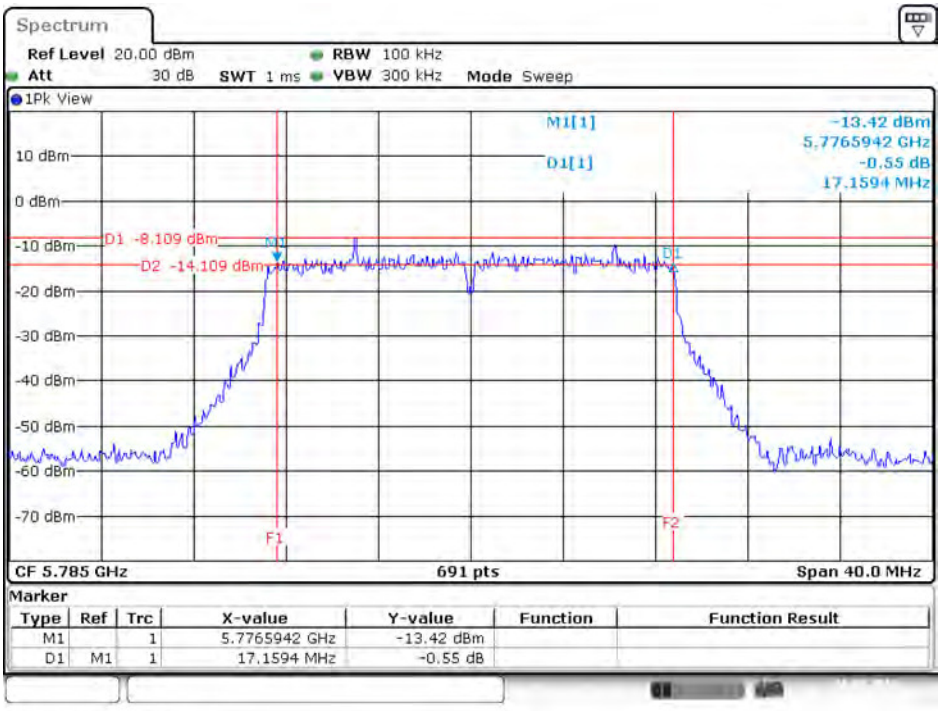



Date: 17.MAY.2016 23:06:22

<For Radio 2 Beamforming Mode>

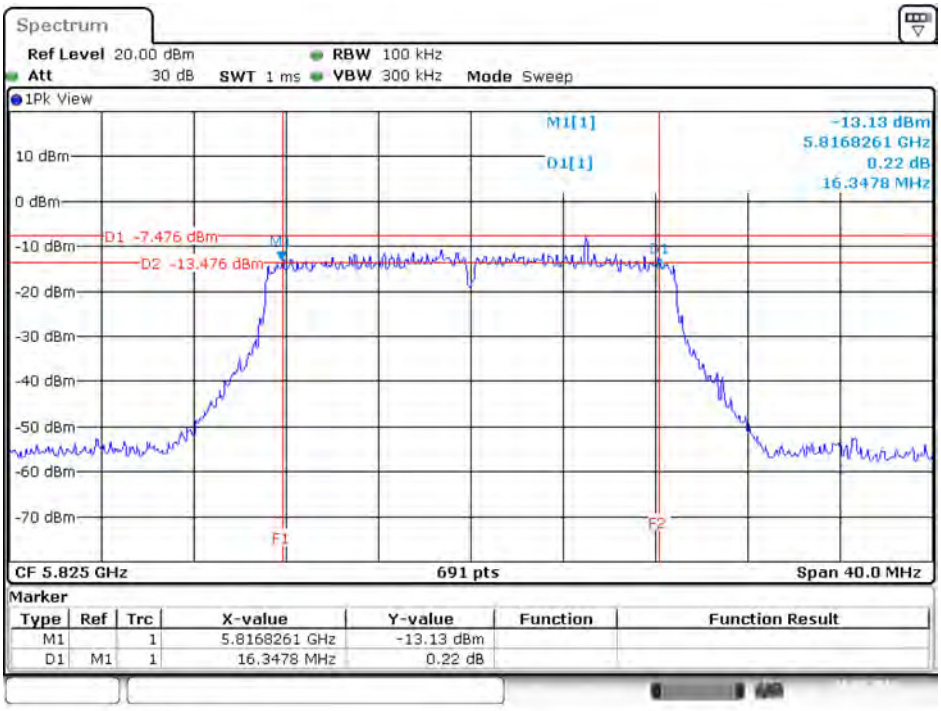
For Mode 1:

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5785 MHz



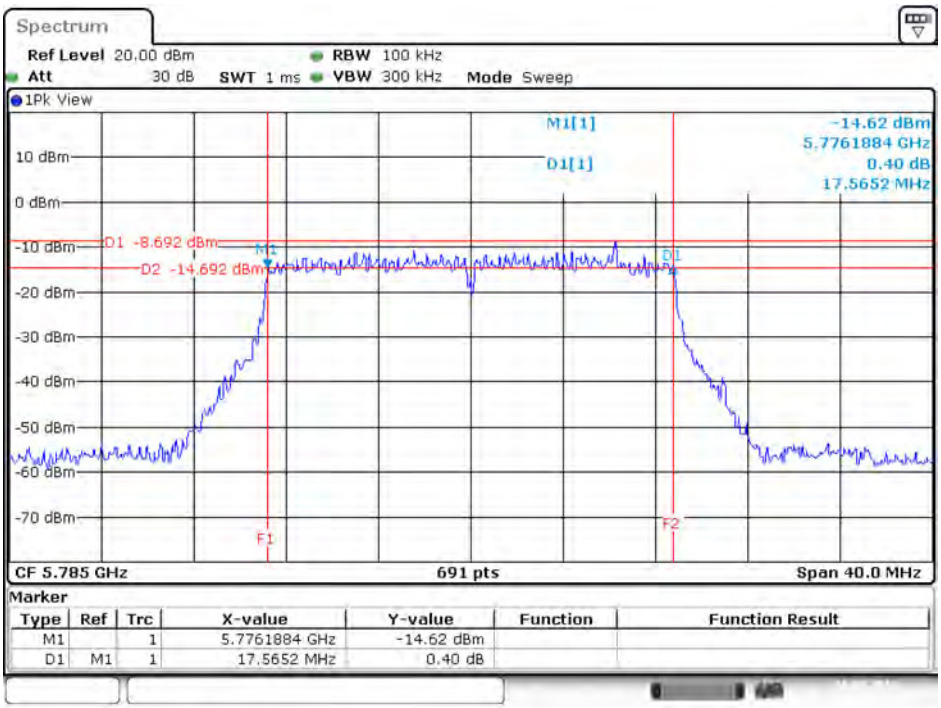

Date: 26.MAY.2016 09:31:32

6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5825 MHz



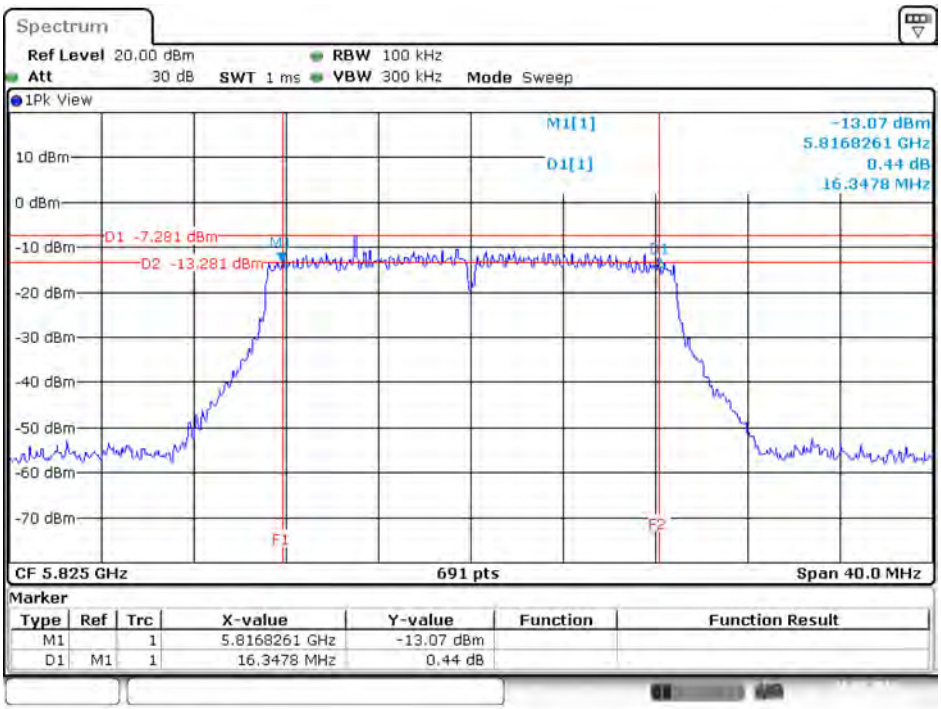

Date: 26.MAY.2016 09:33:16

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 3 / 5785 MHz



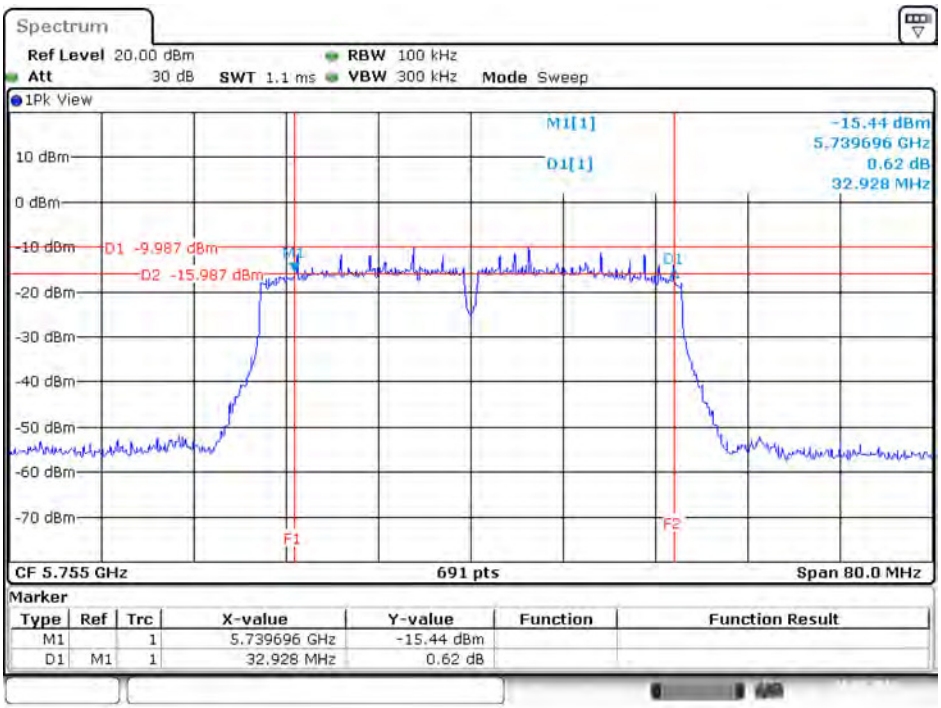

Date: 26.MAY.2016 09:32:05

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 / 5825 MHz



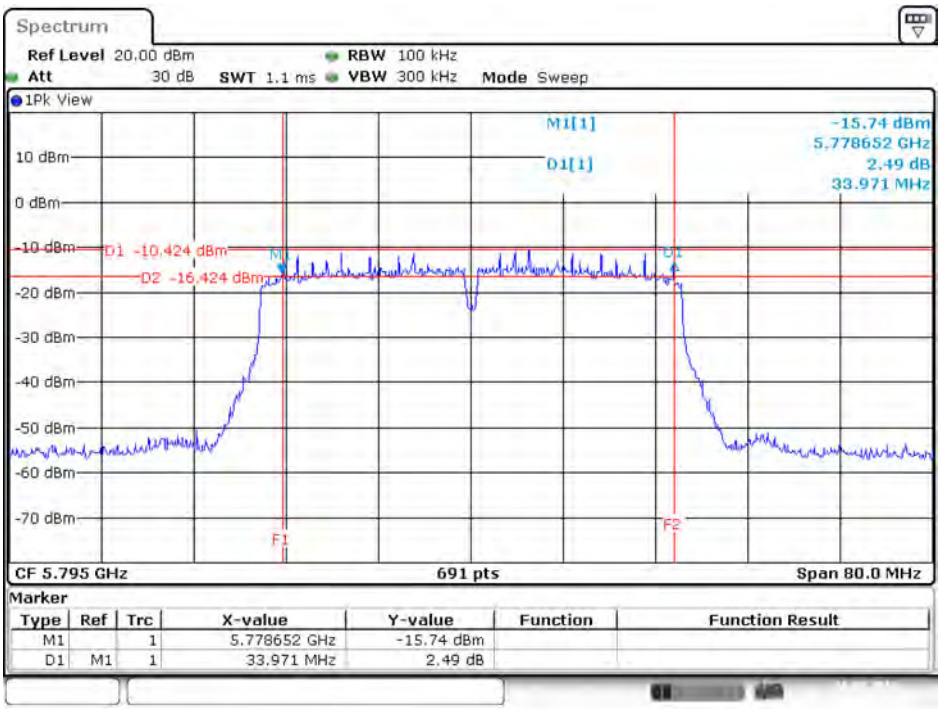

Date: 26.MAY.2016 09:33:43

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5755 MHz



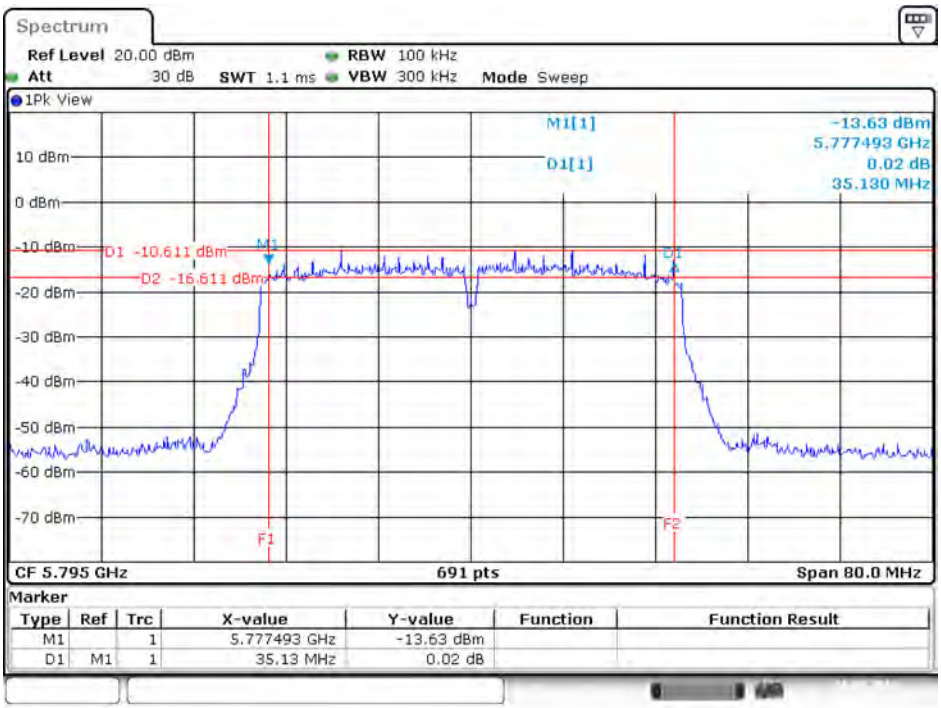

Date: 26.MAY.2016 09:34:48

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5795 MHz



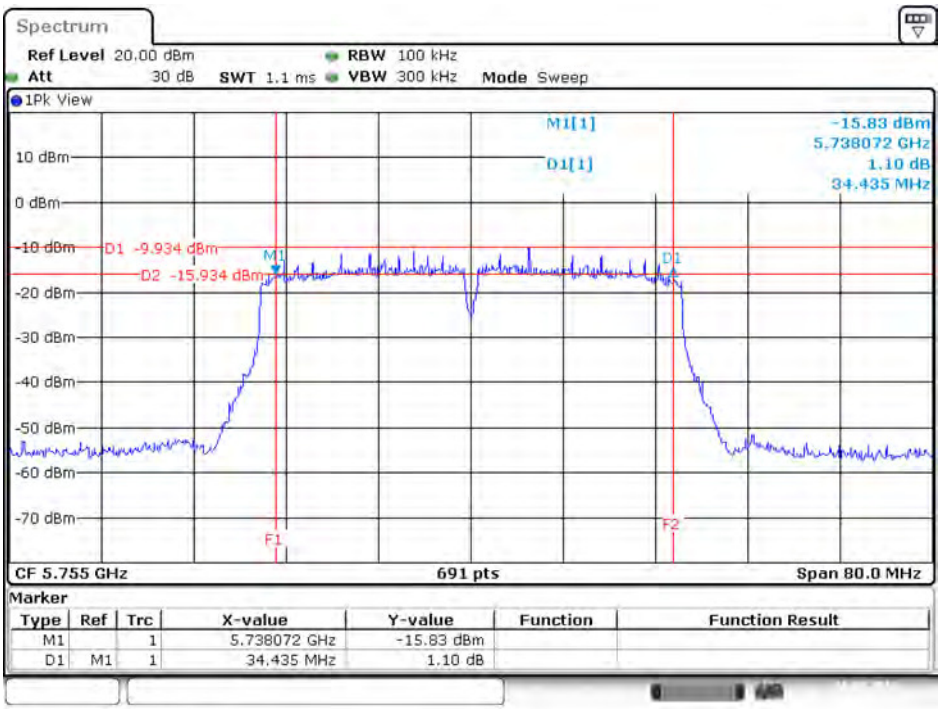

Date: 26.MAY.2016 09:36:32

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 3 / 5795 MHz



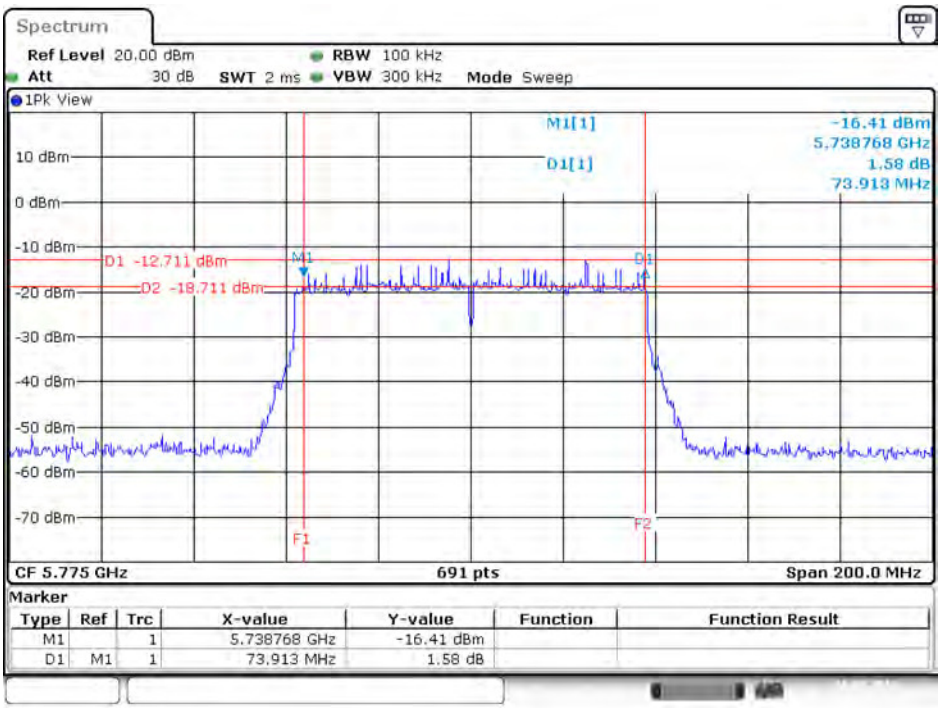

Date: 26.MAY.2016 09:36:45

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 / 5755 MHz



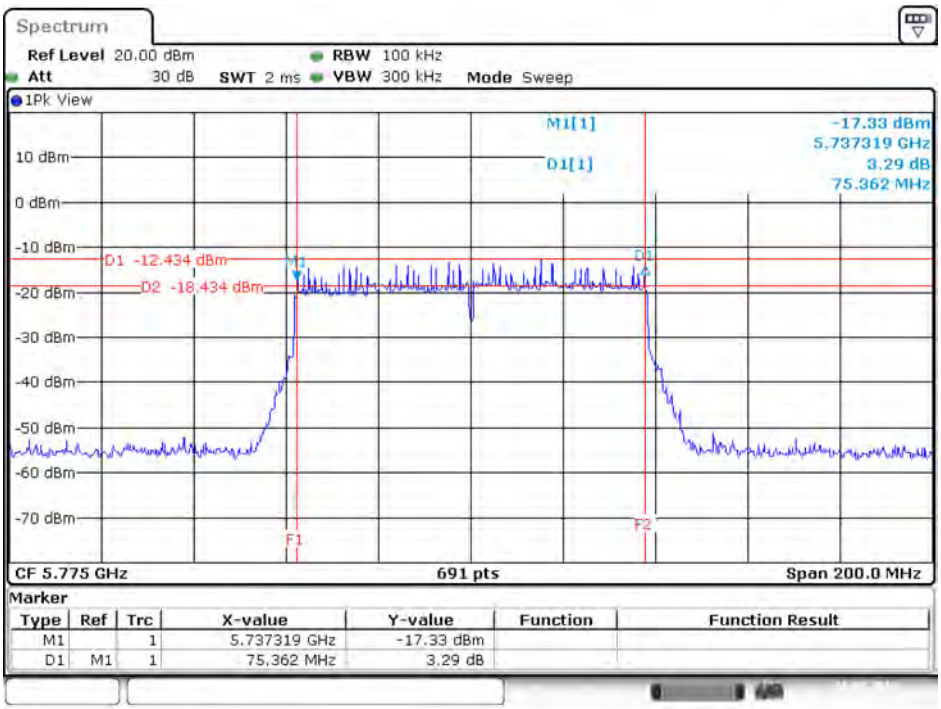

Date: 26.MAY.2016 09:35:30

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5775 MHz



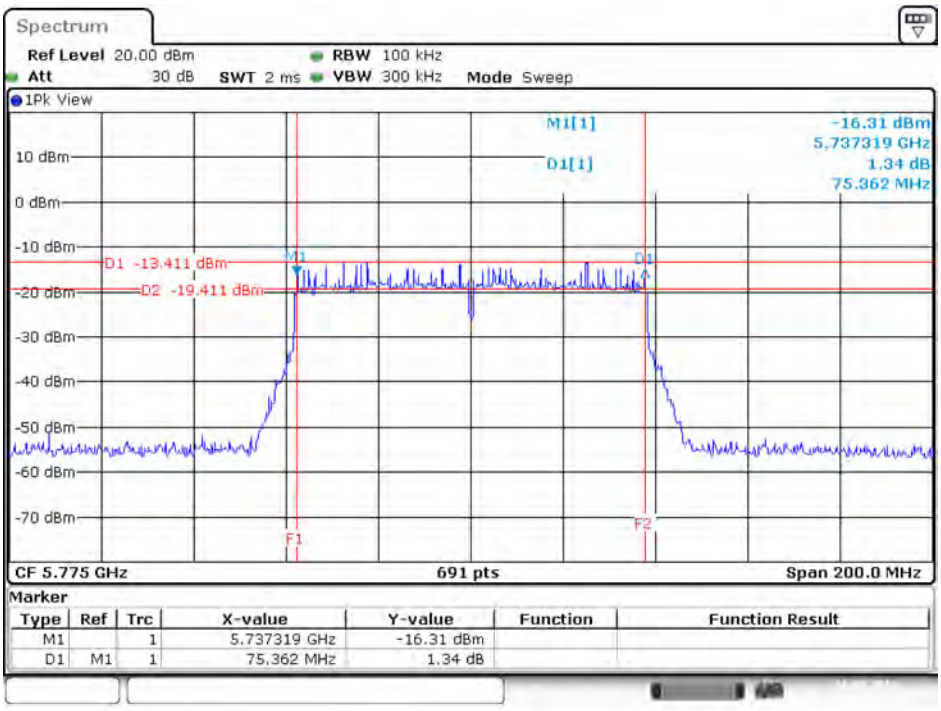

Date: 26.MAY.2016 09:37:57

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2 / 5775 MHz



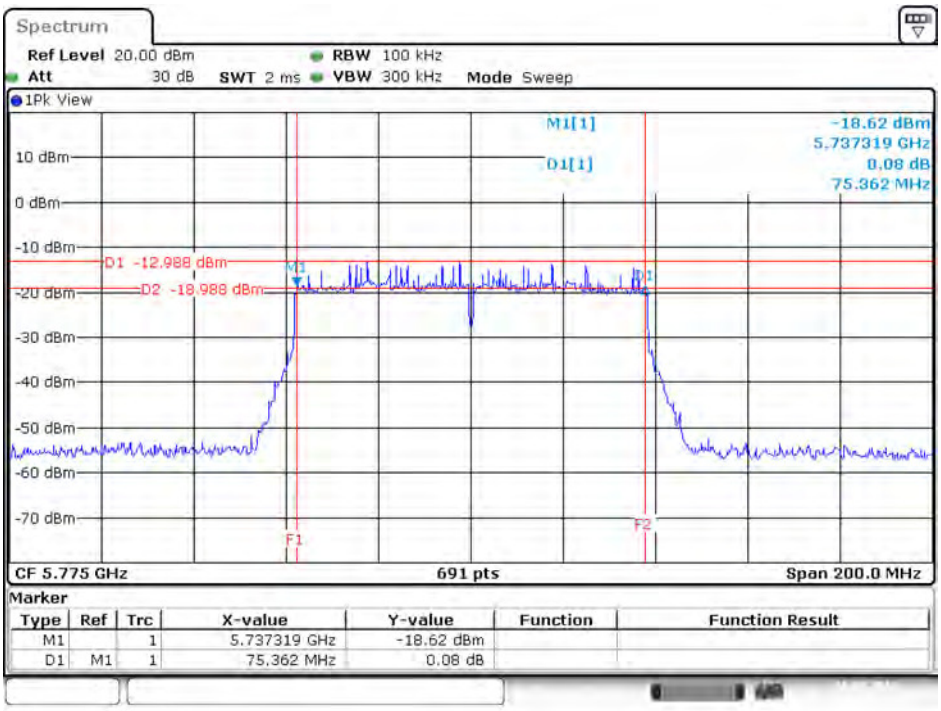

Date: 26.MAY.2016 09:38:14

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 3 / 5775 MHz



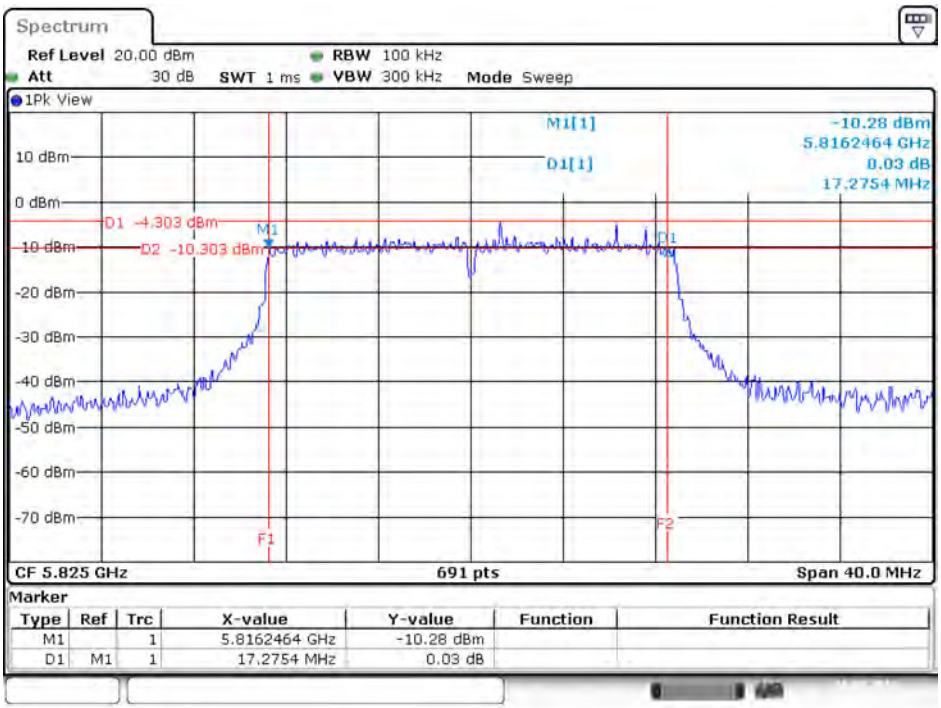

Date: 26.MAY.2016 09:38:29

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 / 5775 MHz



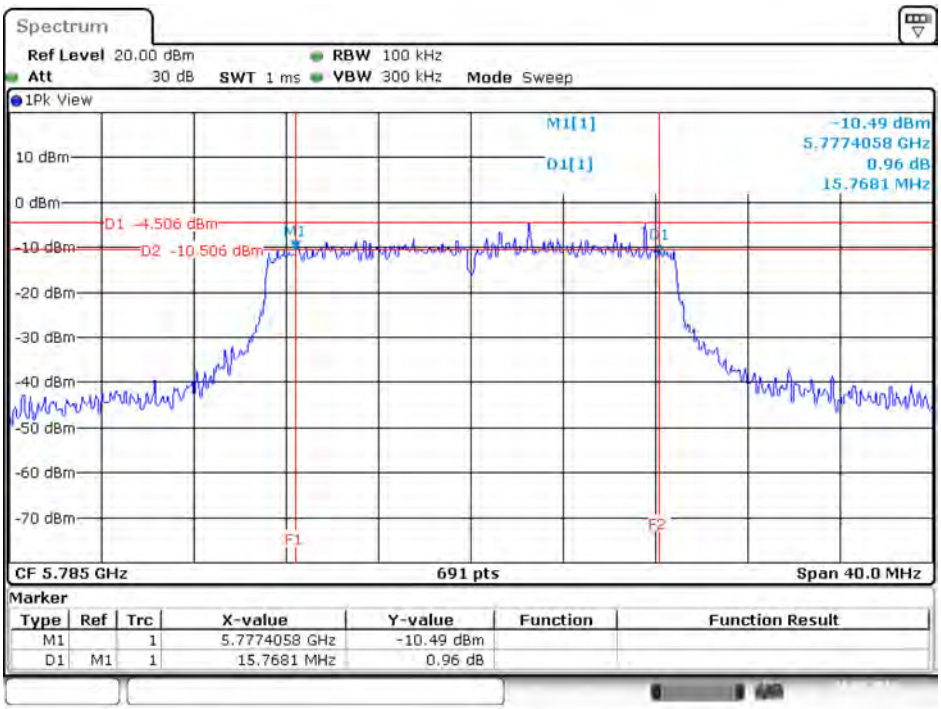

Date: 26.MAY.2016 09:38:41

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 / 5825 MHz



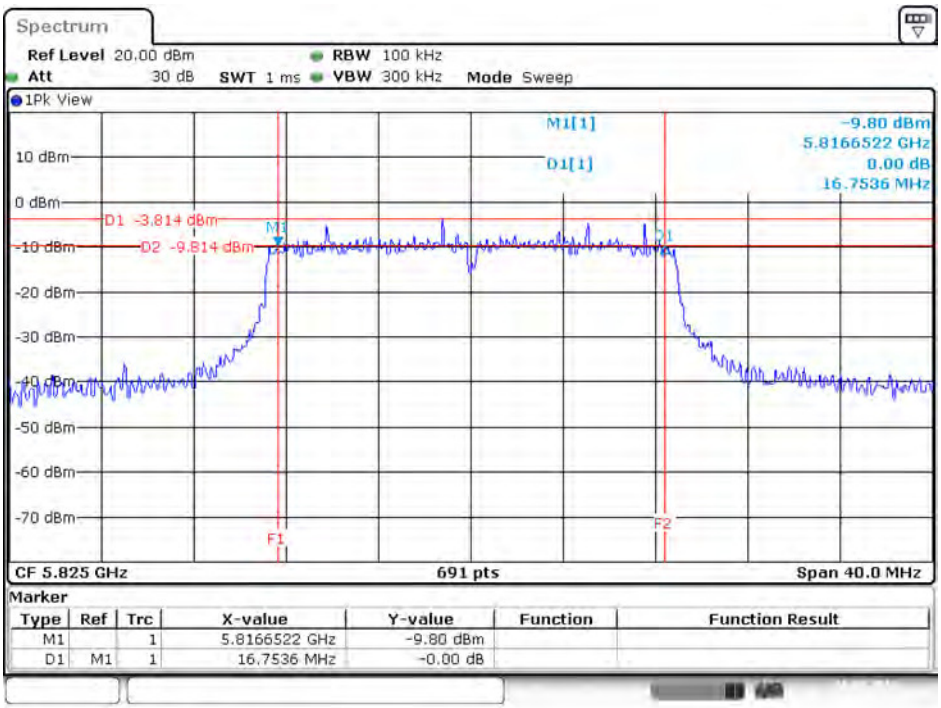

Date: 26.MAY.2016 10:28:25

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 2 / 5785 MHz



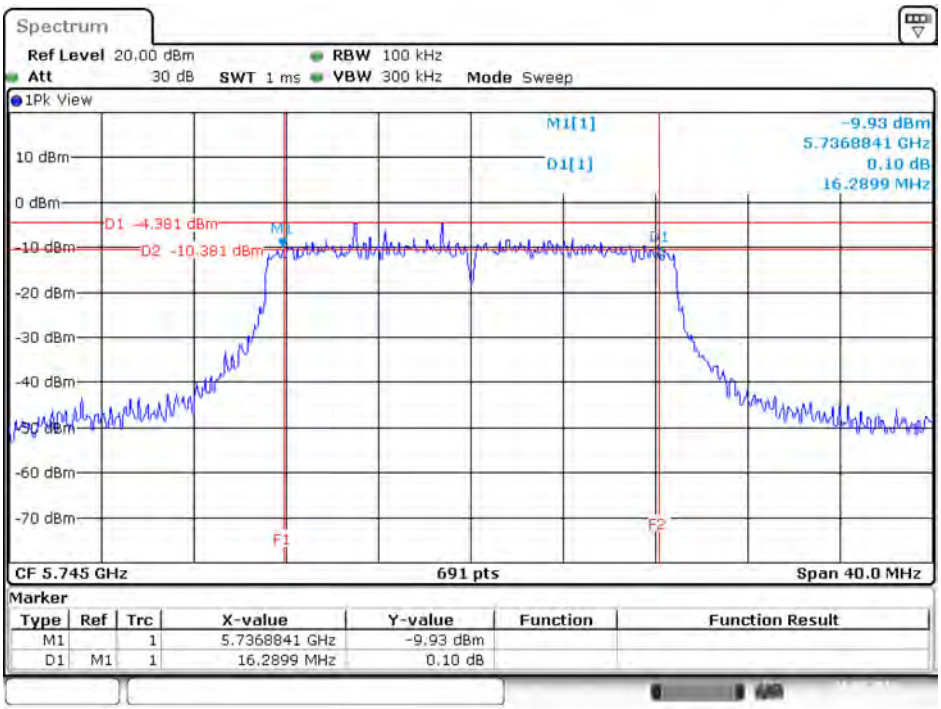

Date: 26.MAY.2016 10:27:15

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 3 / 5825 MHz



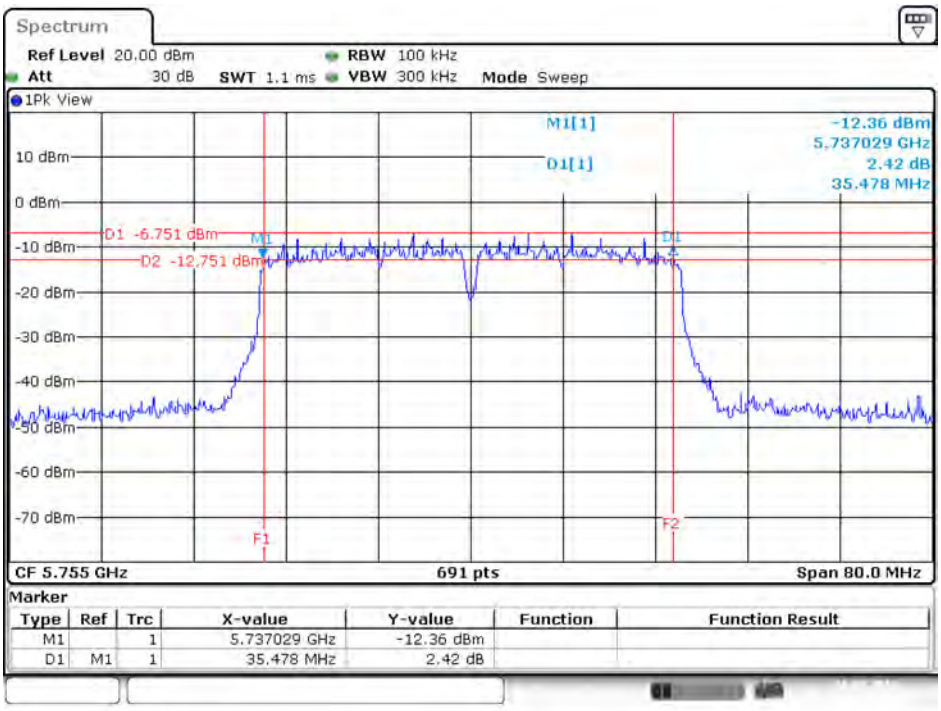

Date: 26.MAY.2016 10:28:53

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 4 / 5745 MHz



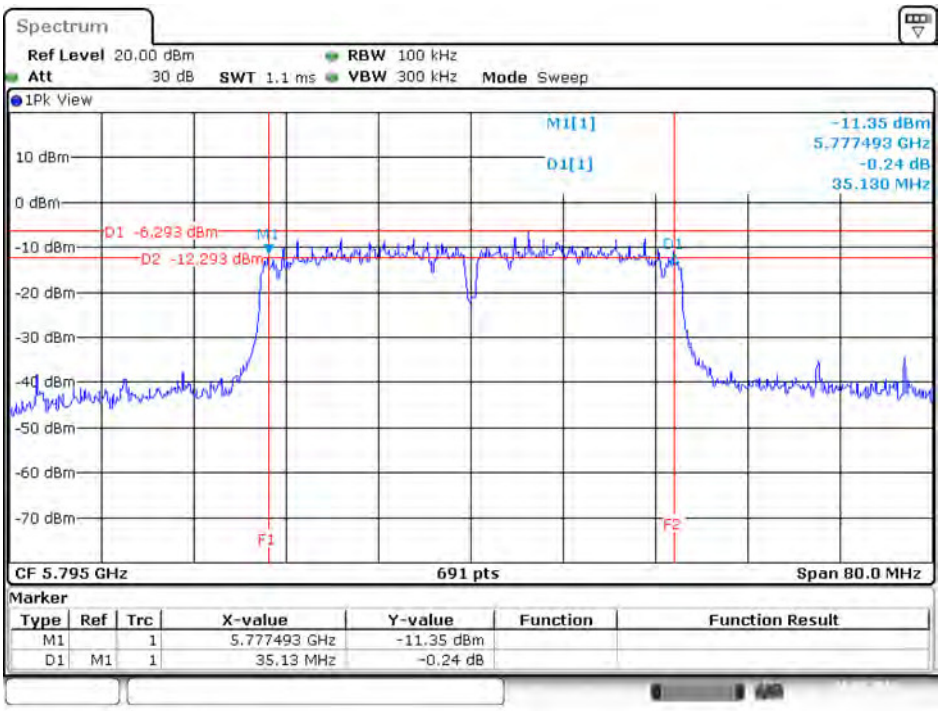

Date: 26.MAY.2016 10:26:24

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 / 5755 MHz



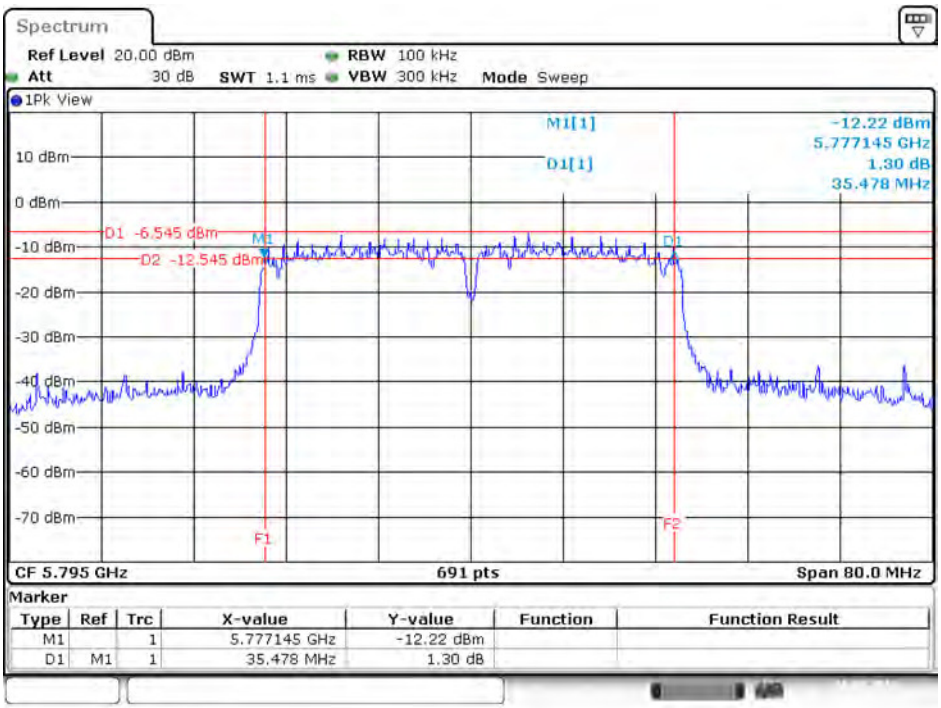

Date: 26.MAY.2016 10:34:08

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 2 / 5795 MHz



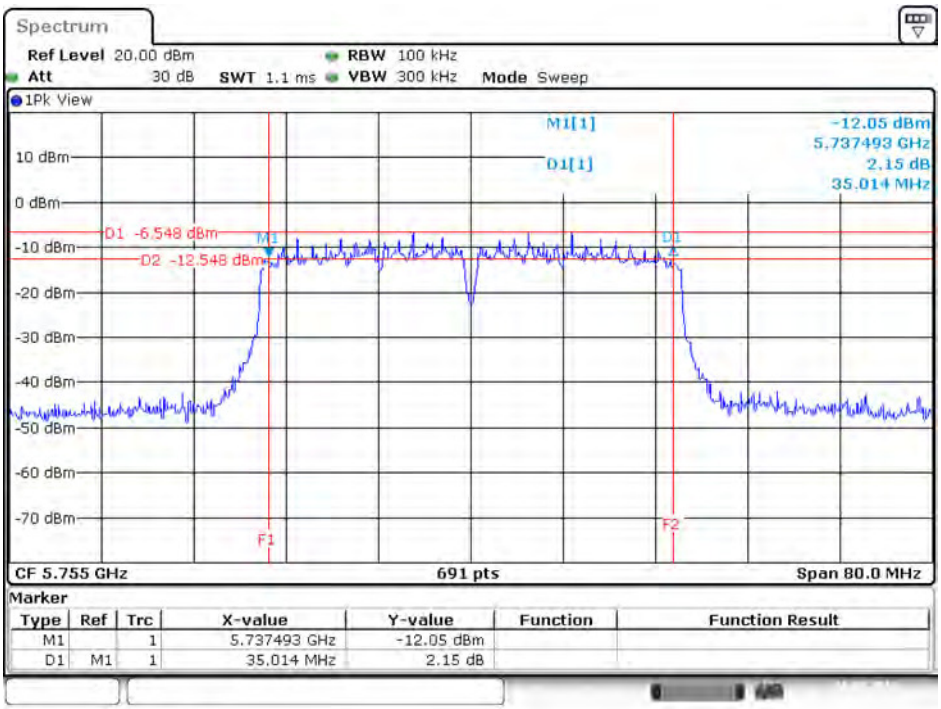

Date: 26.MAY.2016 10:35:49

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 3 / 5795 MHz



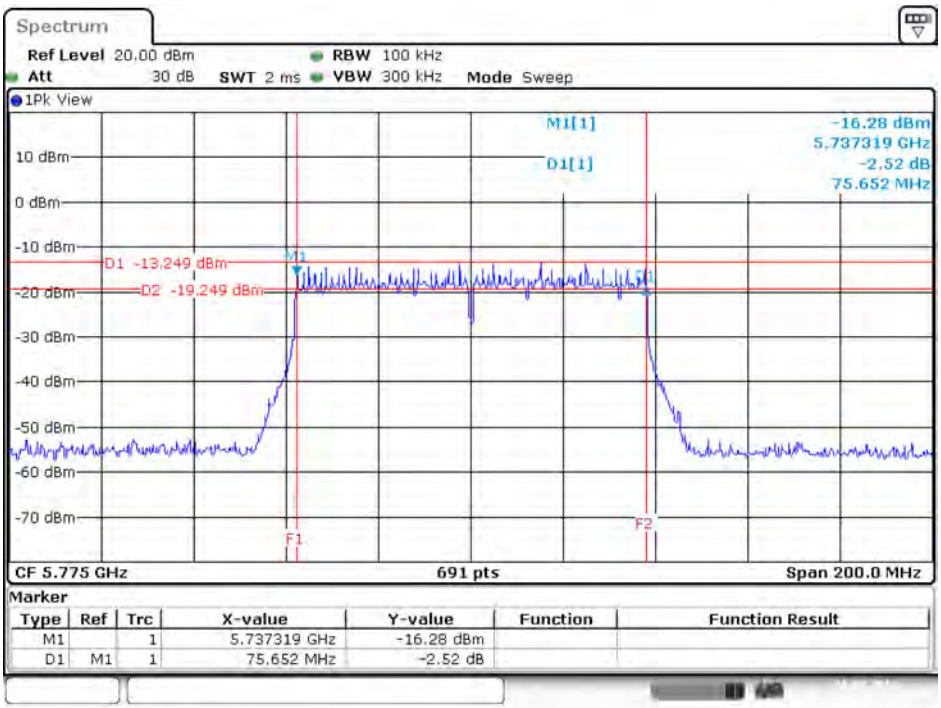

Date: 26.MAY.2016 10:36:02

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 4 / 5755 MHz



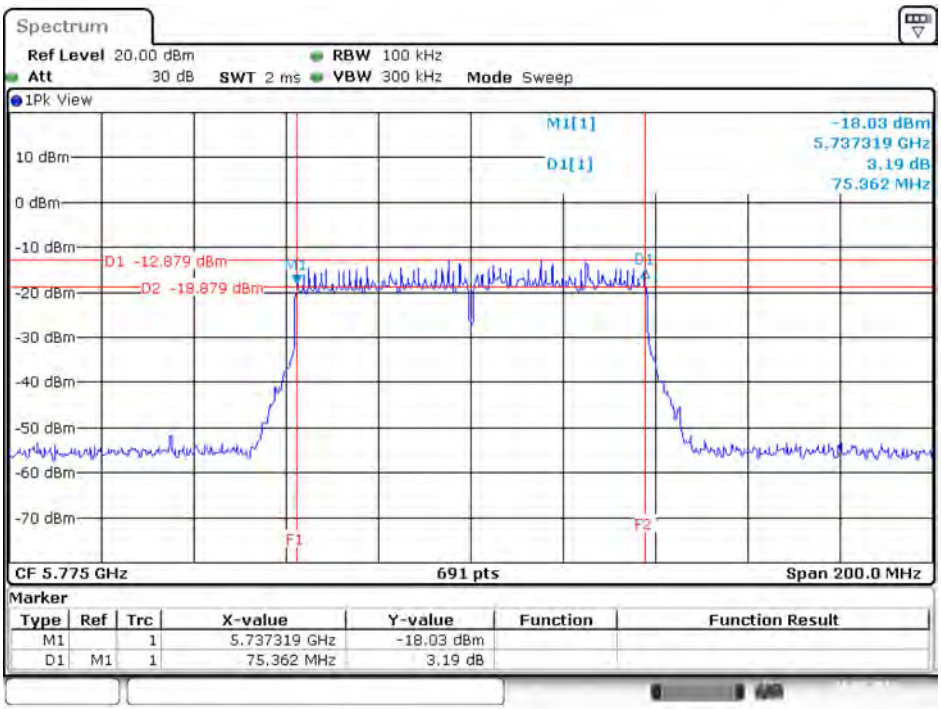

Date: 26.MAY.2016 10:34:50

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 / 5775 MHz



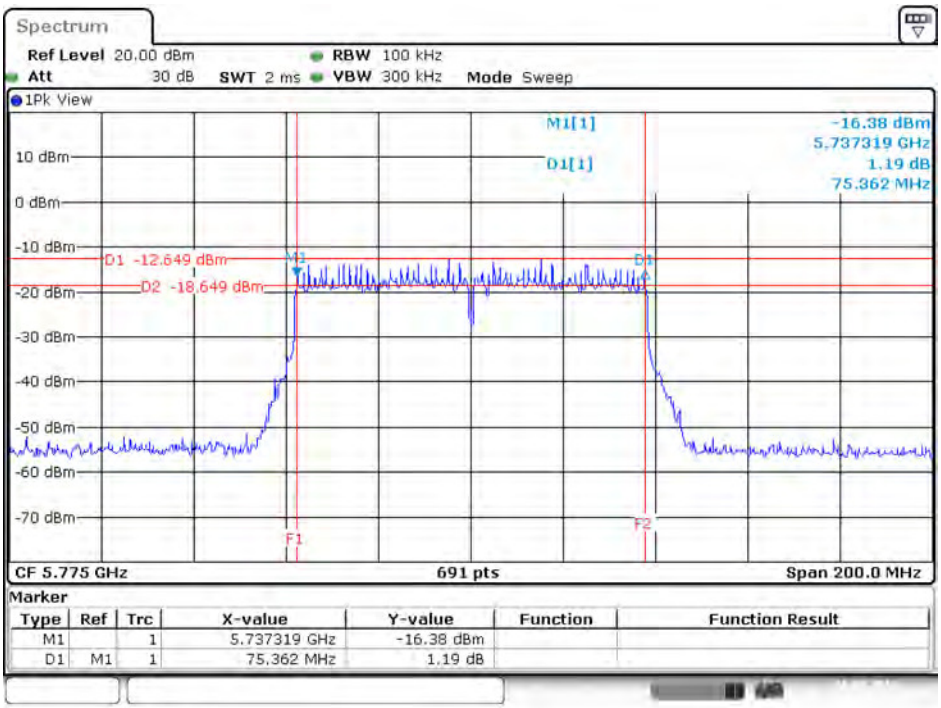

Date: 26.MAY.2016 10:37:38

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 2 / 5775 MHz



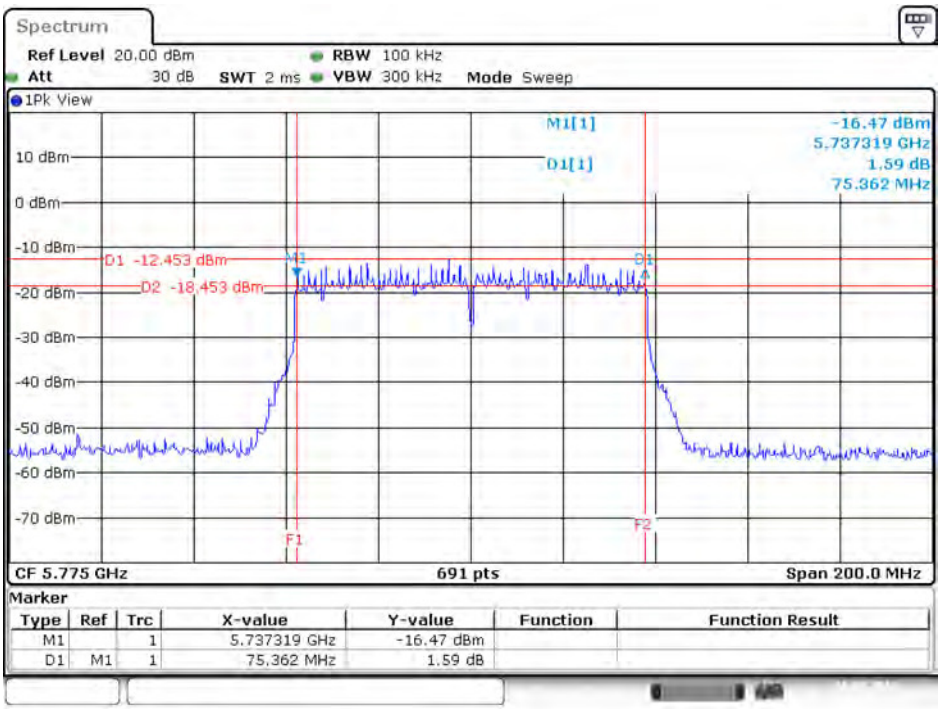

Date: 26.MAY.2016 10:37:51

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 3 / 5775 MHz



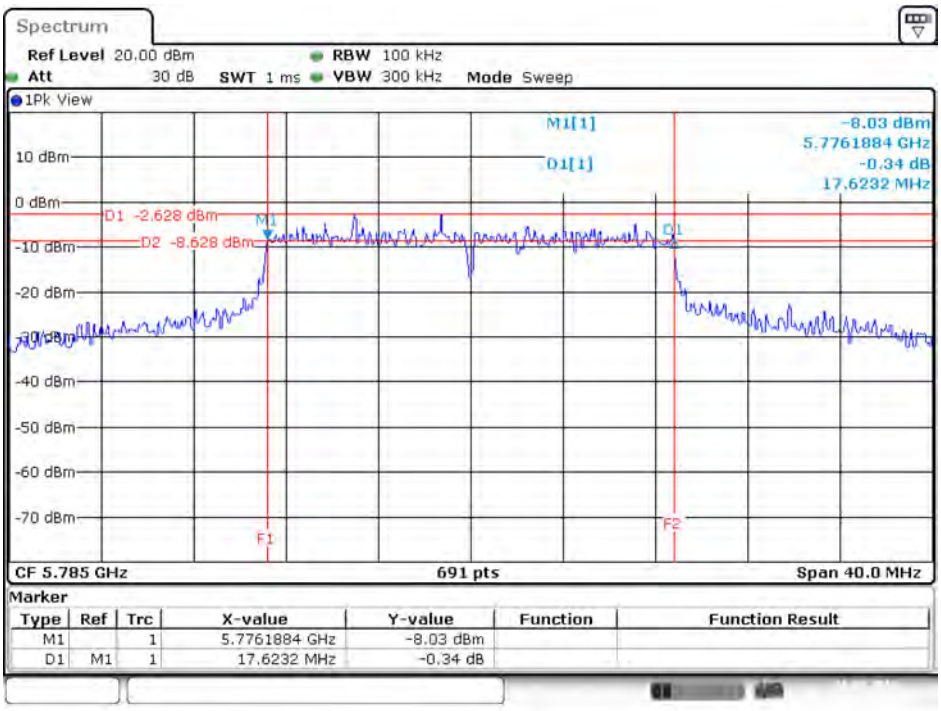

Date: 26.MAY.2016 10:38:03

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 4 / 5775 MHz



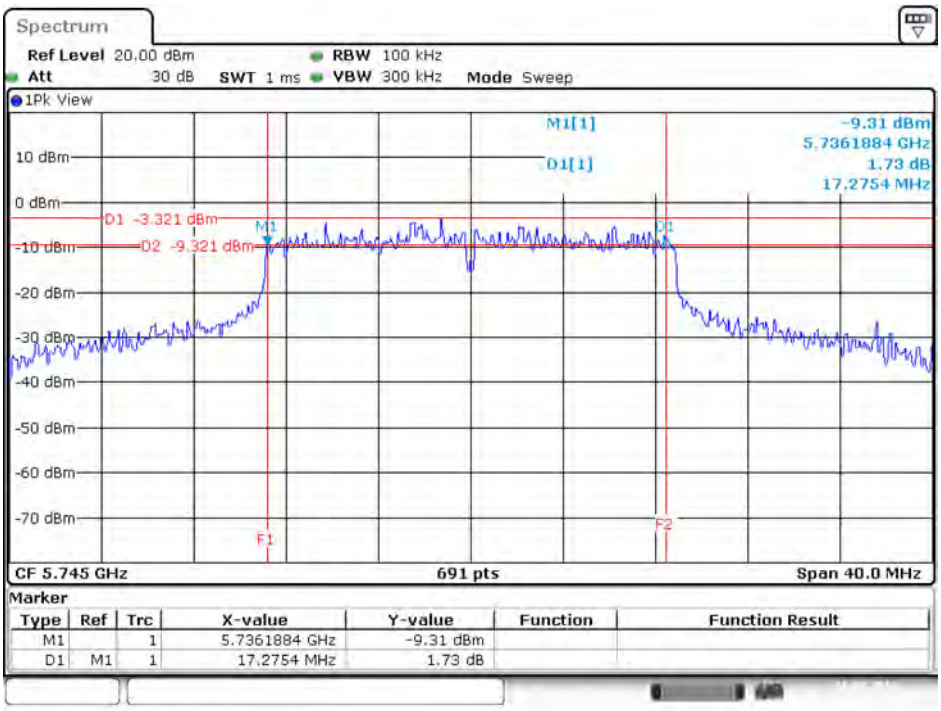

Date: 26.MAY.2016 10:38:18

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 / 5785 MHz



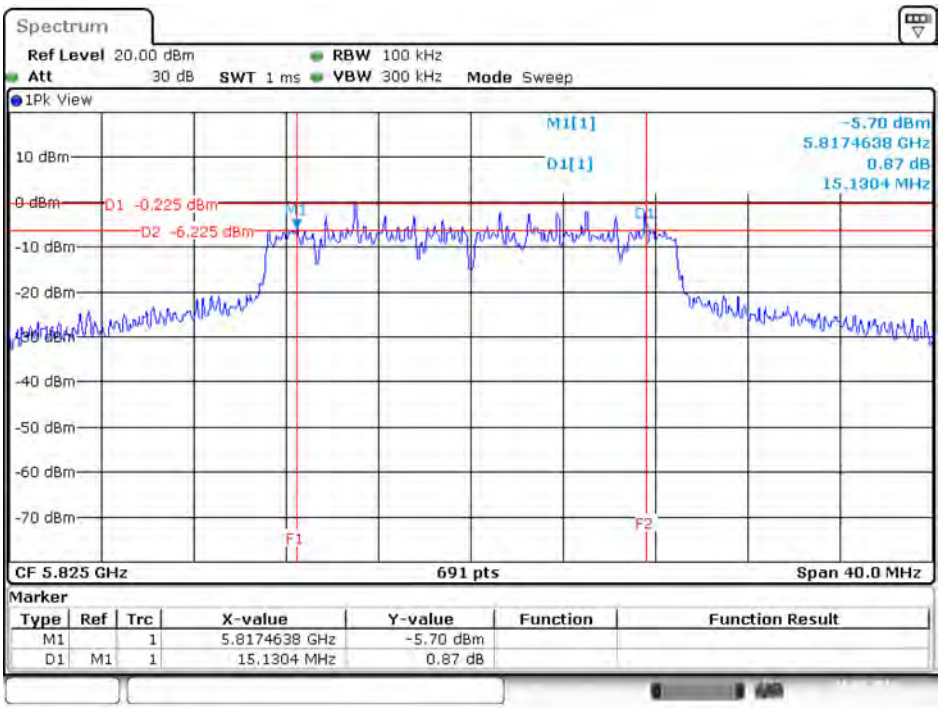

Date: 26.MAY.2016 11:39:25

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 2 / 5745 MHz



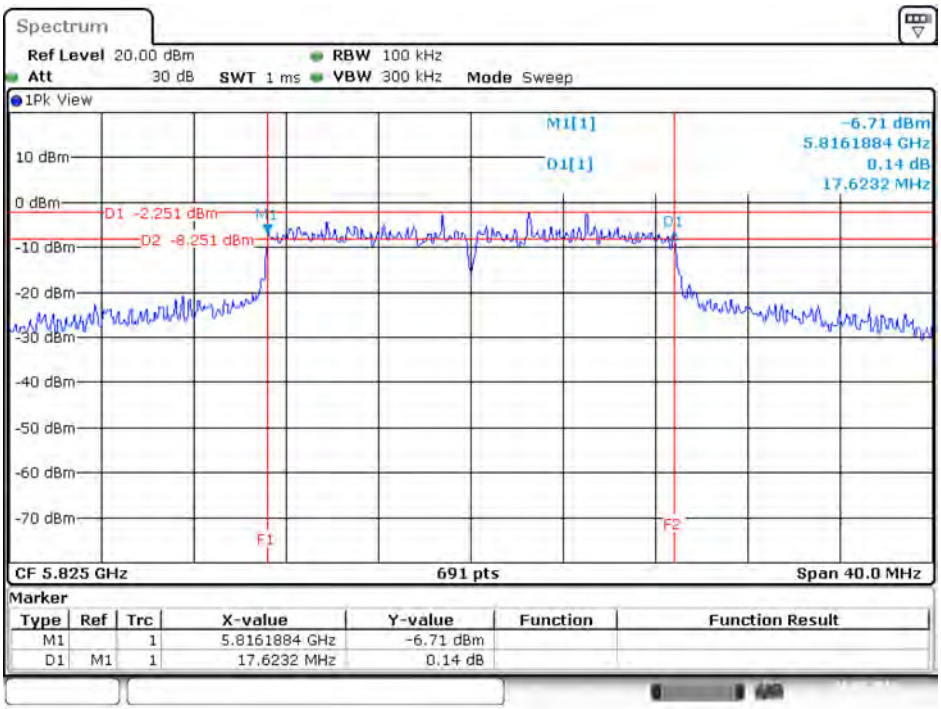

Date: 26.MAY.2016 11:38:22

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 3 / 5825 MHz



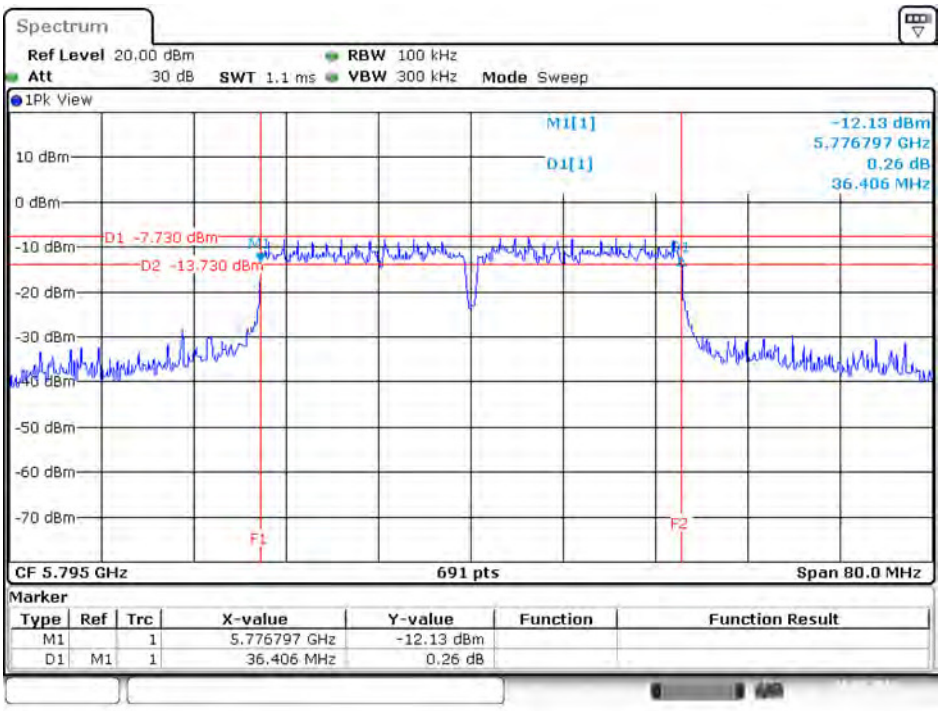

Date: 26.MAY.2016 11:41:08

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 4 / 5825 MHz



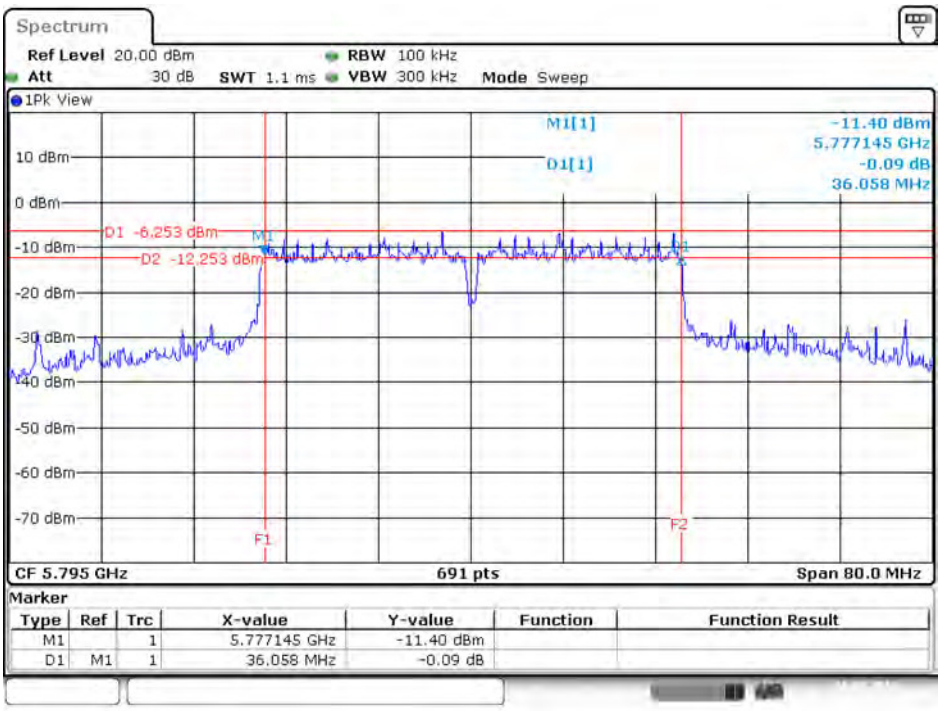

Date: 26.MAY.2016 11:41:20

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 / 5795 MHz



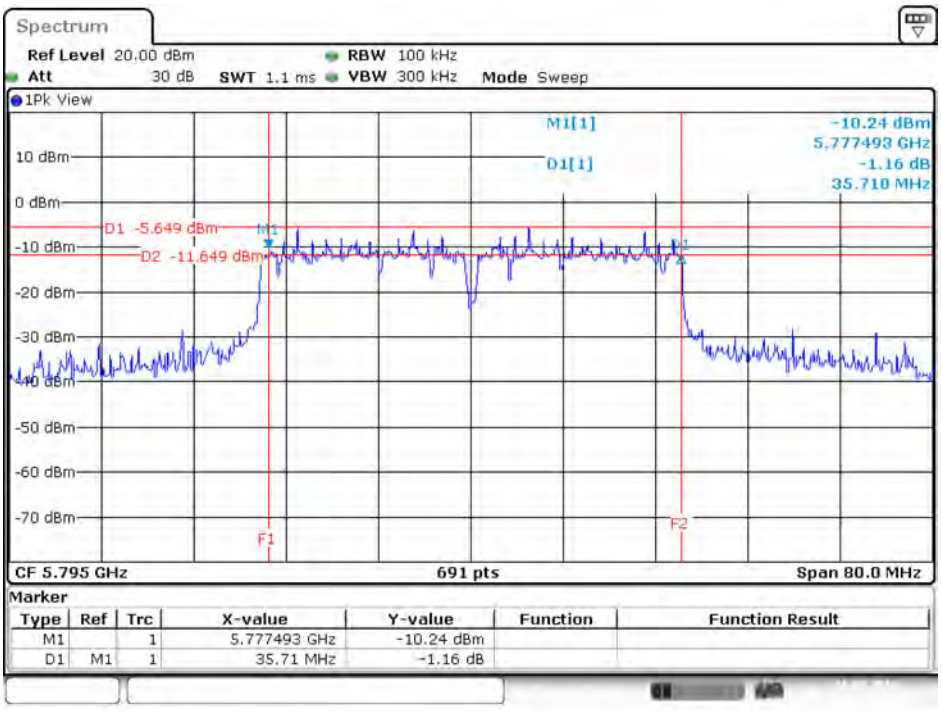

Date: 26.MAY.2016 11:43:47

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 2 / 5795 MHz



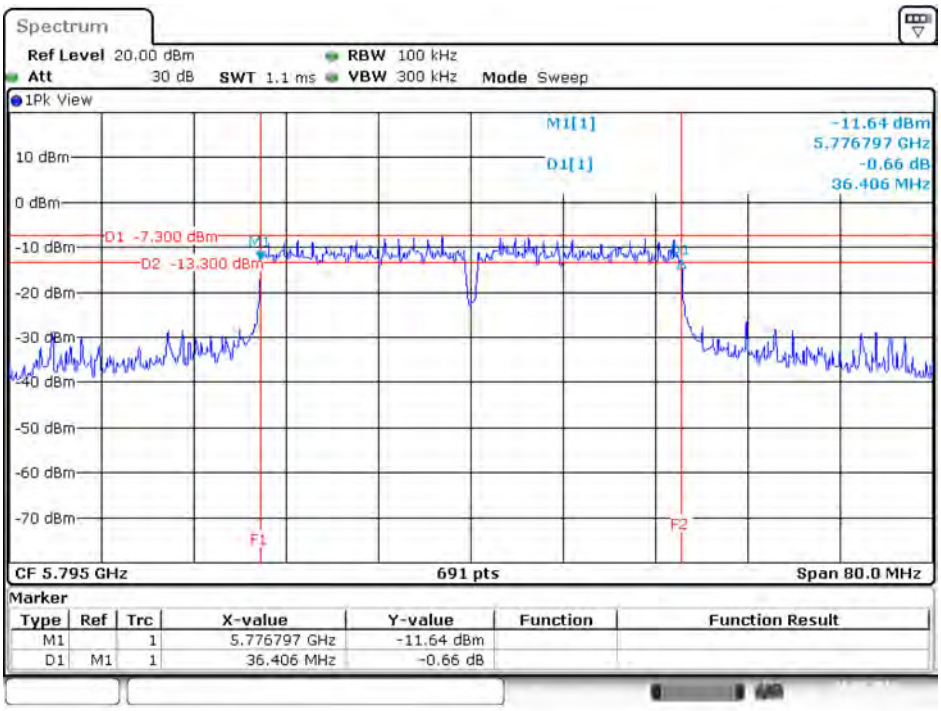

Date: 26.MAY.2016 11:44:01

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 3 / 5795 MHz



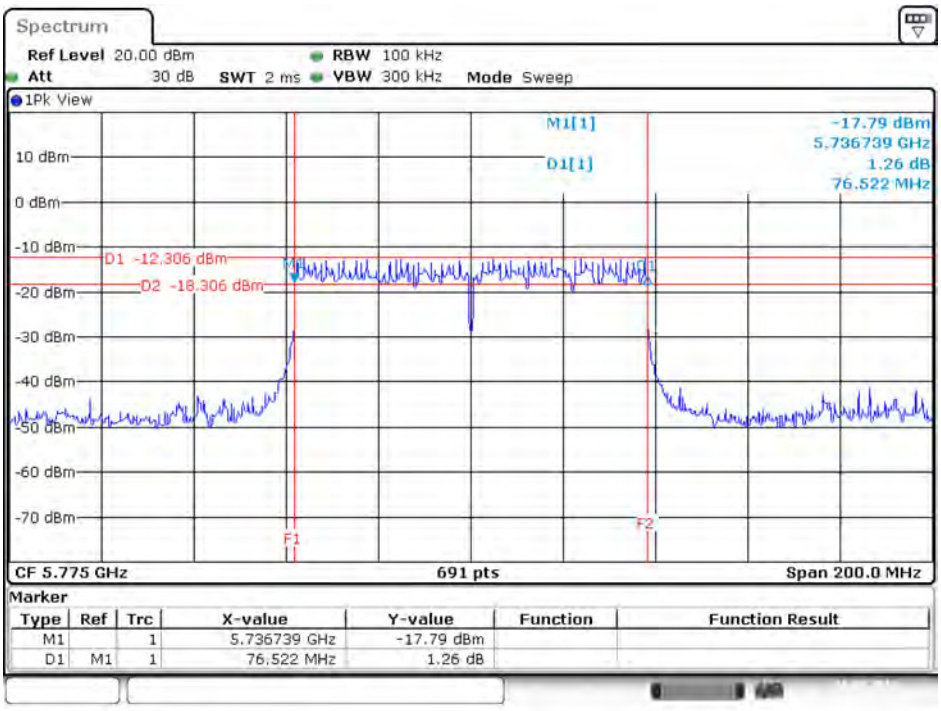

Date: 26.MAY.2016 11:44:13

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 4 / 5795 MHz



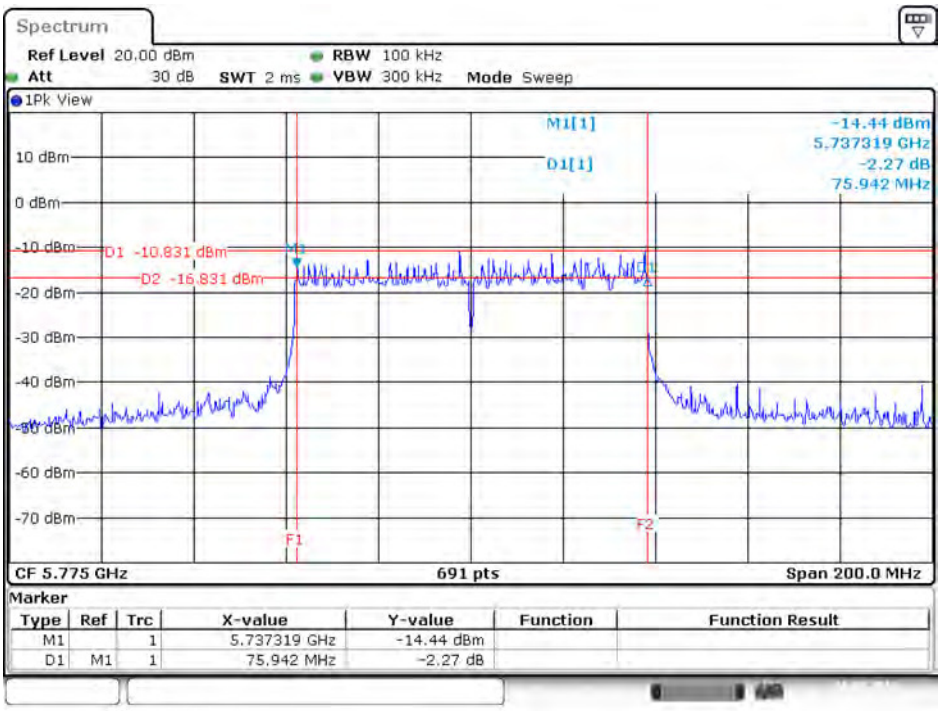

Date: 26.MAY.2016 11:44:27

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 / 5775 MHz



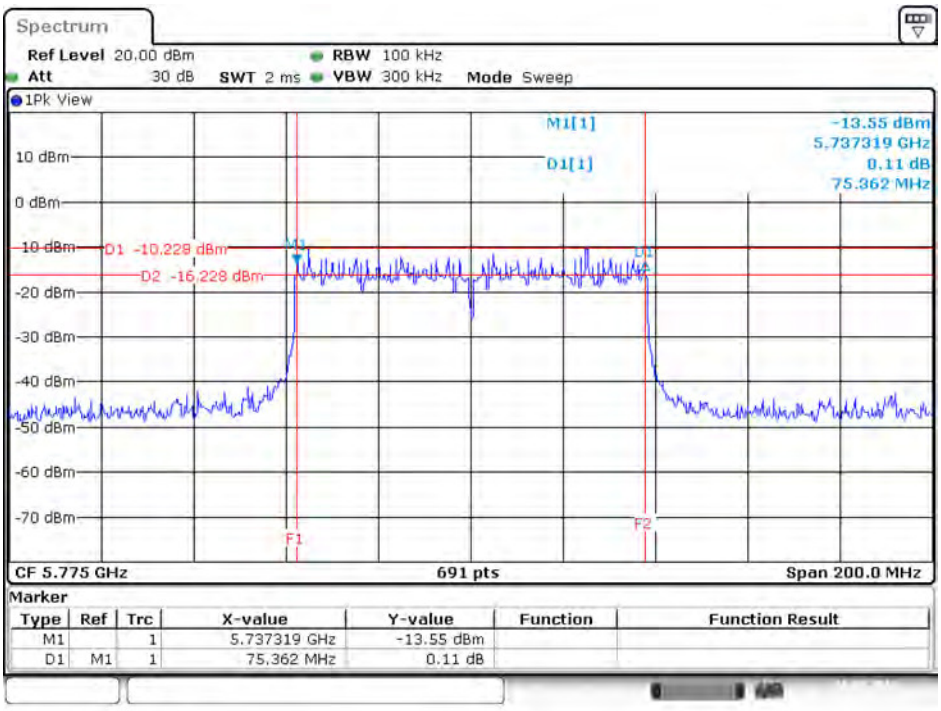

Date: 26.MAY.2016 11:45:53

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 2 / 5775 MHz



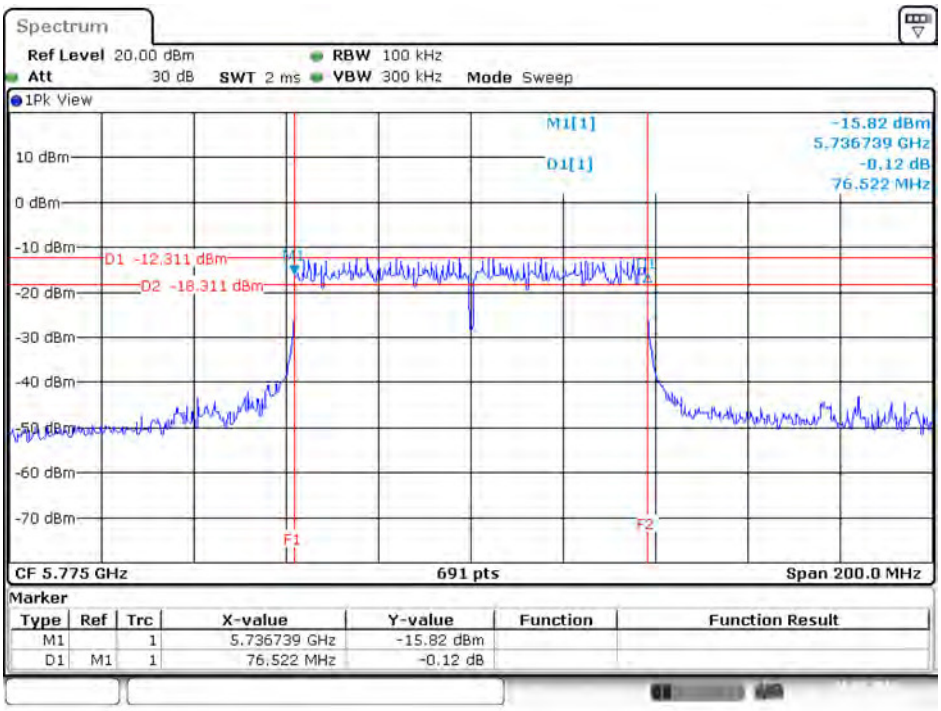

Date: 26.MAY.2016 11:46:07

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 3 / 5775 MHz




Date: 26.MAY.2016 11:46:19

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 4 / 5775 MHz

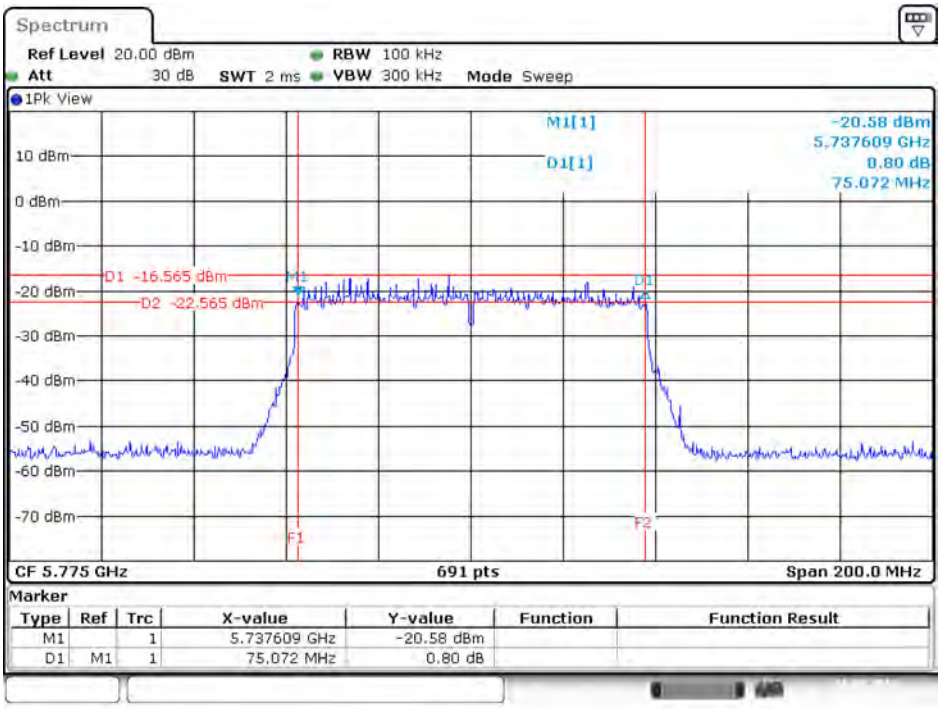



Date: 26.MAY.2016 11:46:44

## For 802.11ac MCS0/Nss2 VHT80+80 Mode

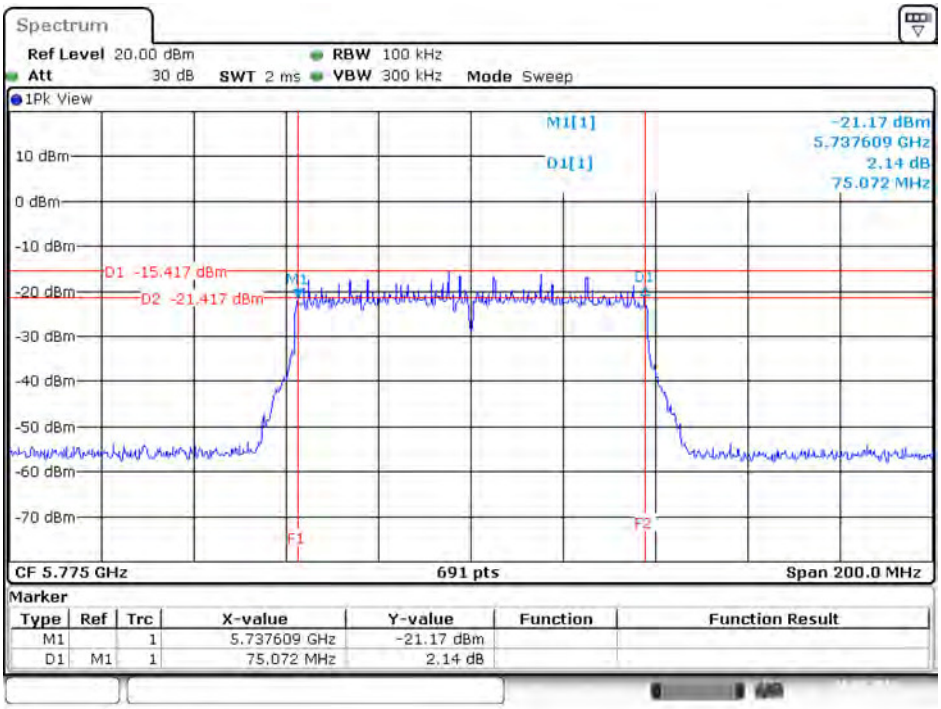
### Type 1

### 6 dB Bandwidth Plot on Chain 3 / 5775 MHz




Date: 26.MAY.2016 20:46:33

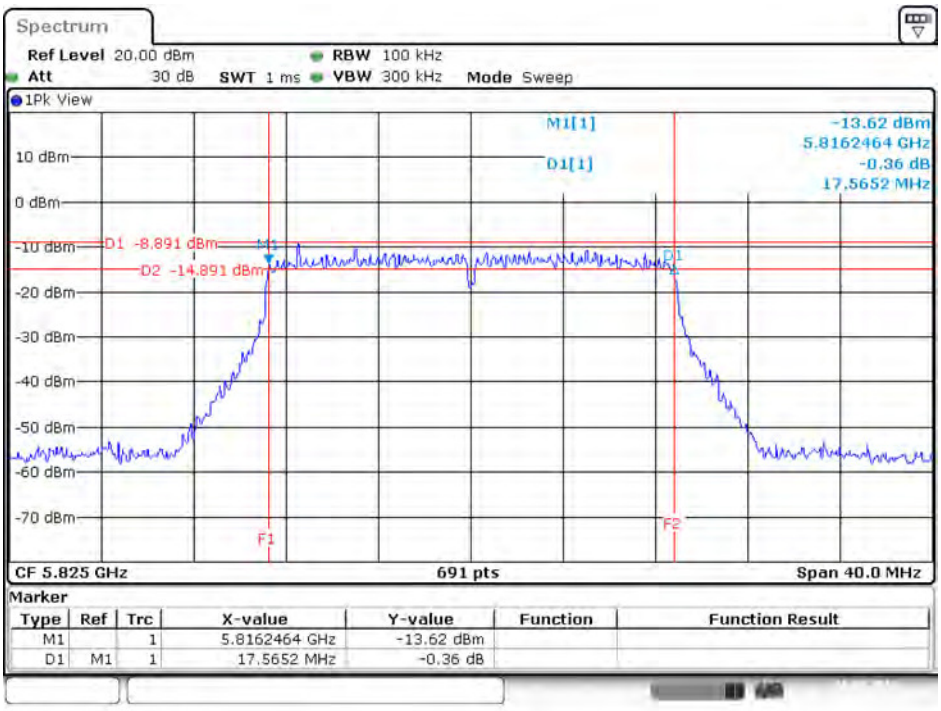
### 6 dB Bandwidth Plot on Chain 4 / 5775 MHz




Date: 26.MAY.2016 20:47:00

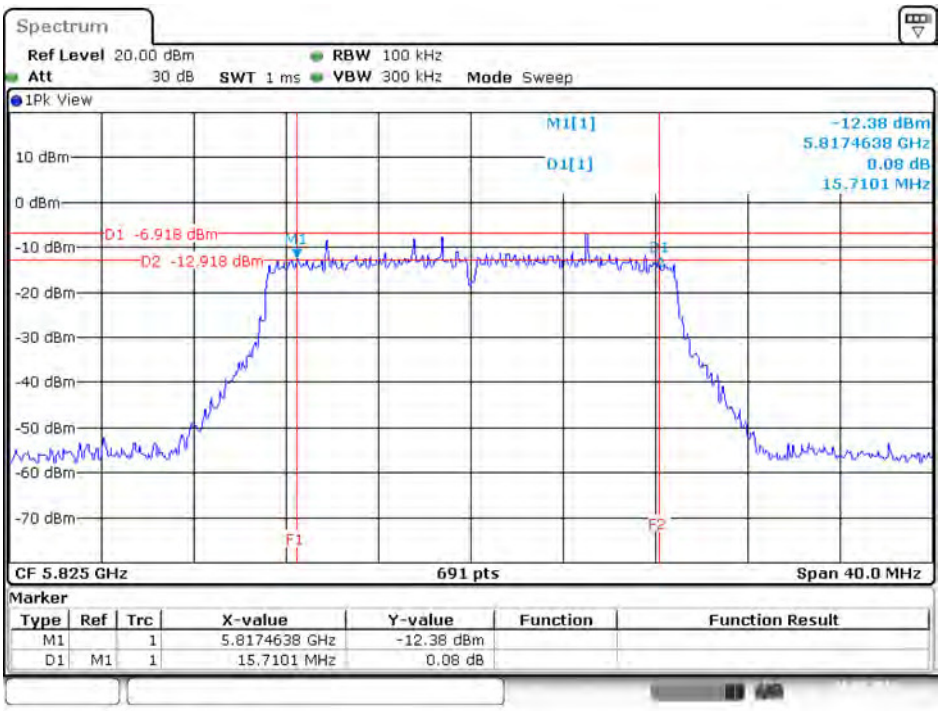
**For Mode 2:**

**6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5825 MHz**



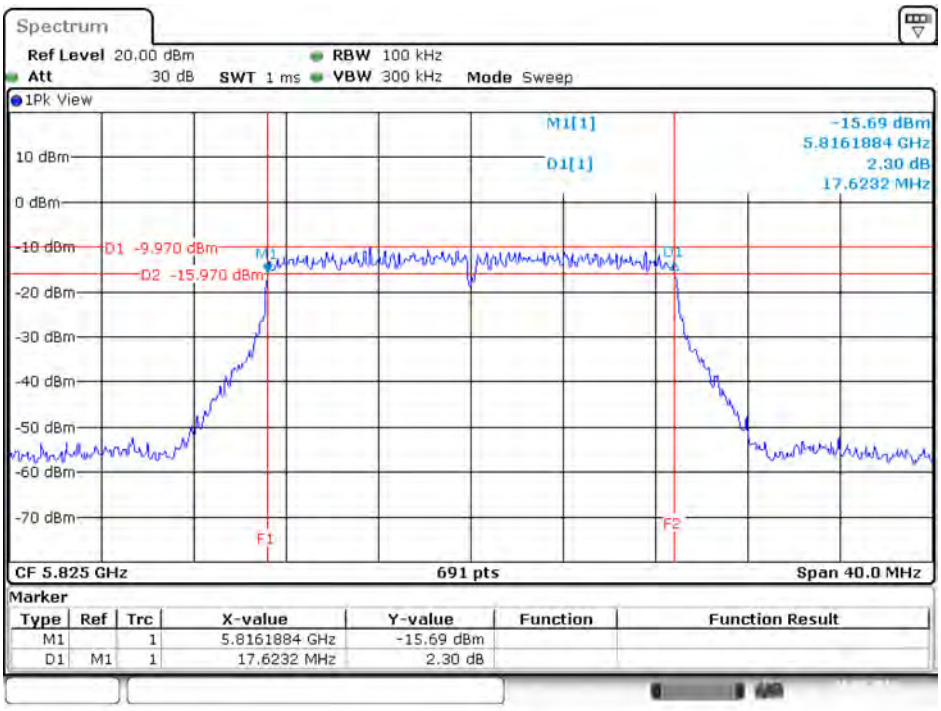

Date: 26.MAY.2016 09:45:38

**6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5825 MHz**



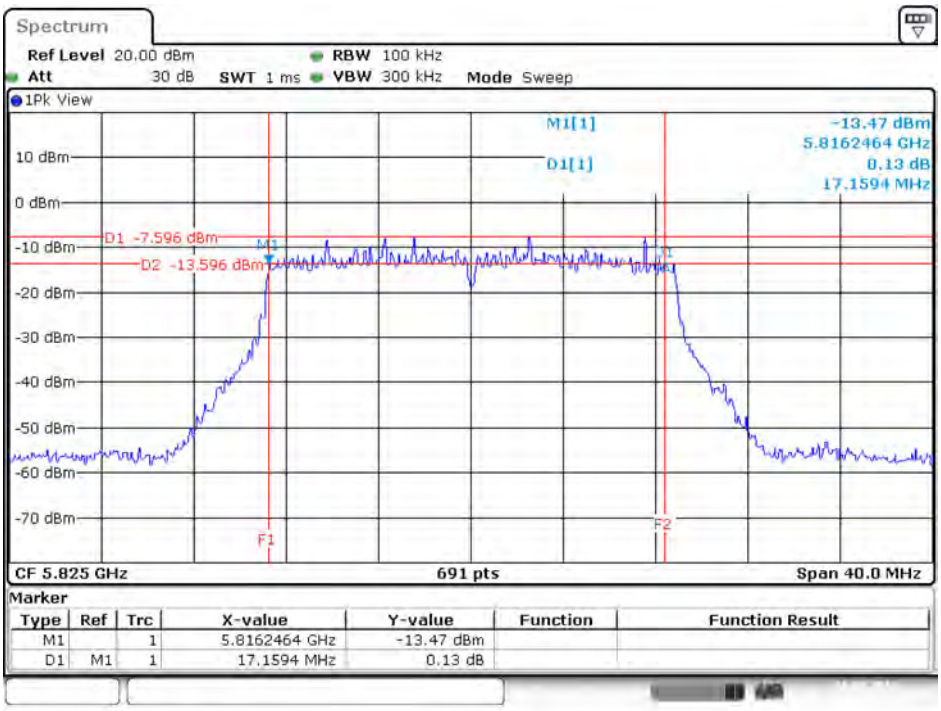

Date: 26.MAY.2016 09:46:05

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 3 / 5825 MHz



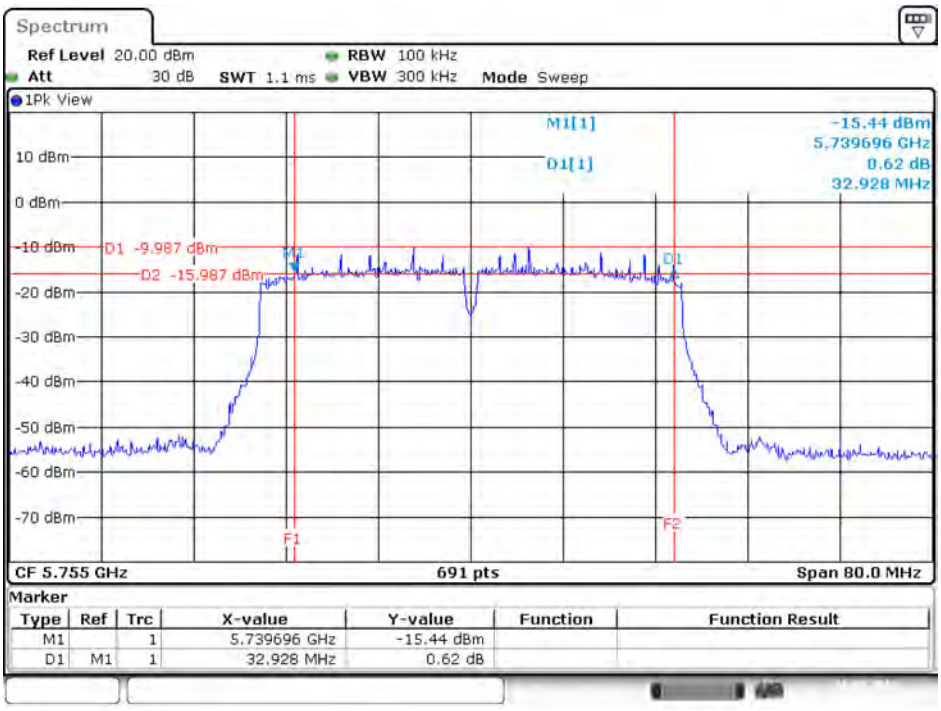

Date: 26.MAY.2016 09:46:20

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 / 5825 MHz



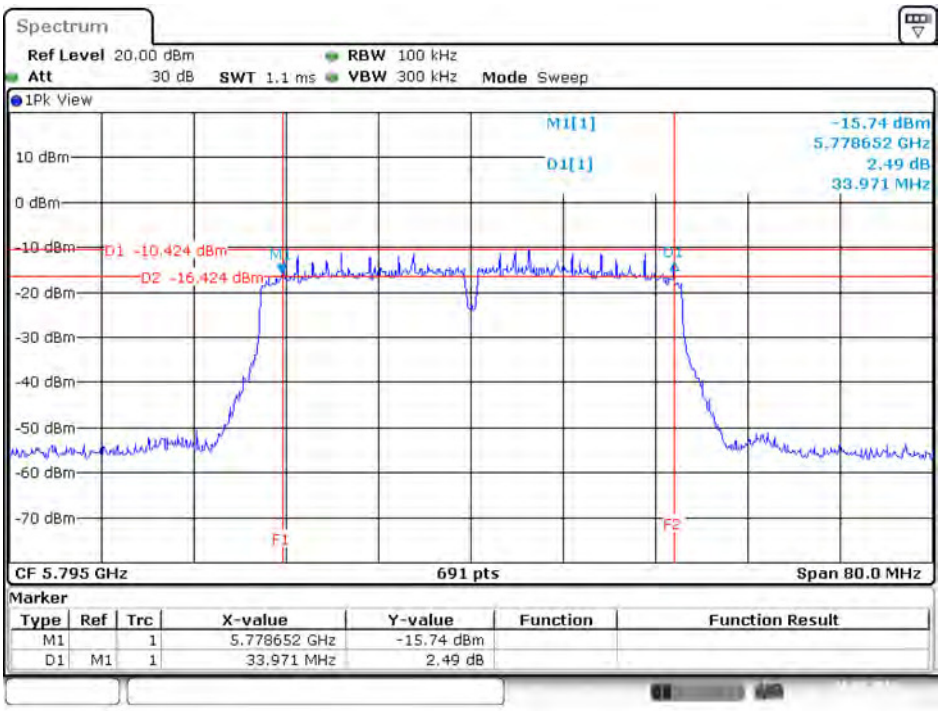

Date: 26.MAY.2016 09:46:33

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5755 MHz



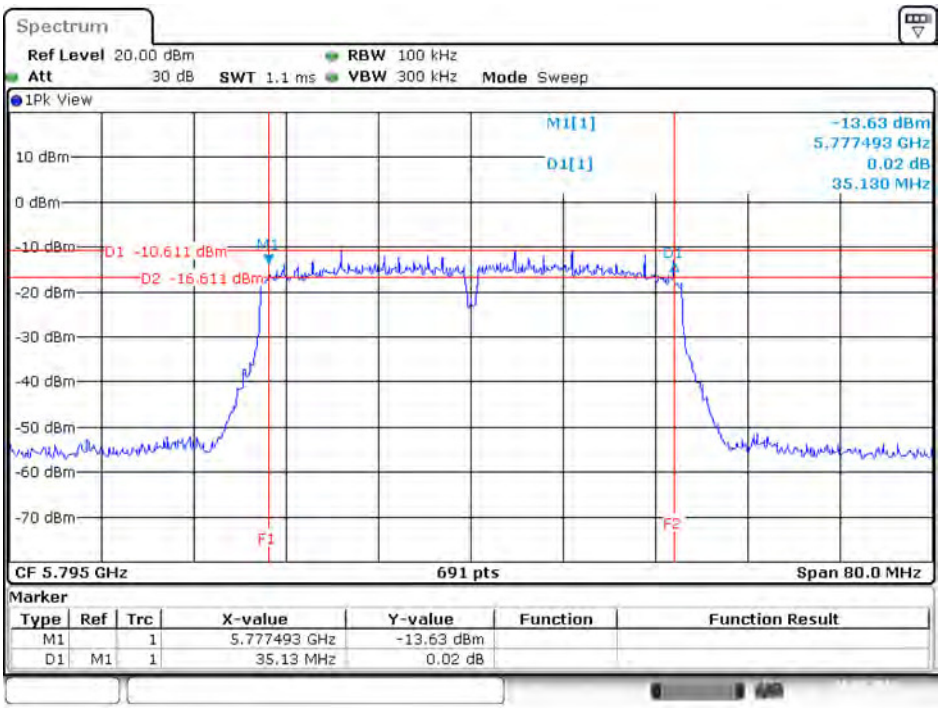

Date: 26.MAY.2016 09:34:48

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5795 MHz



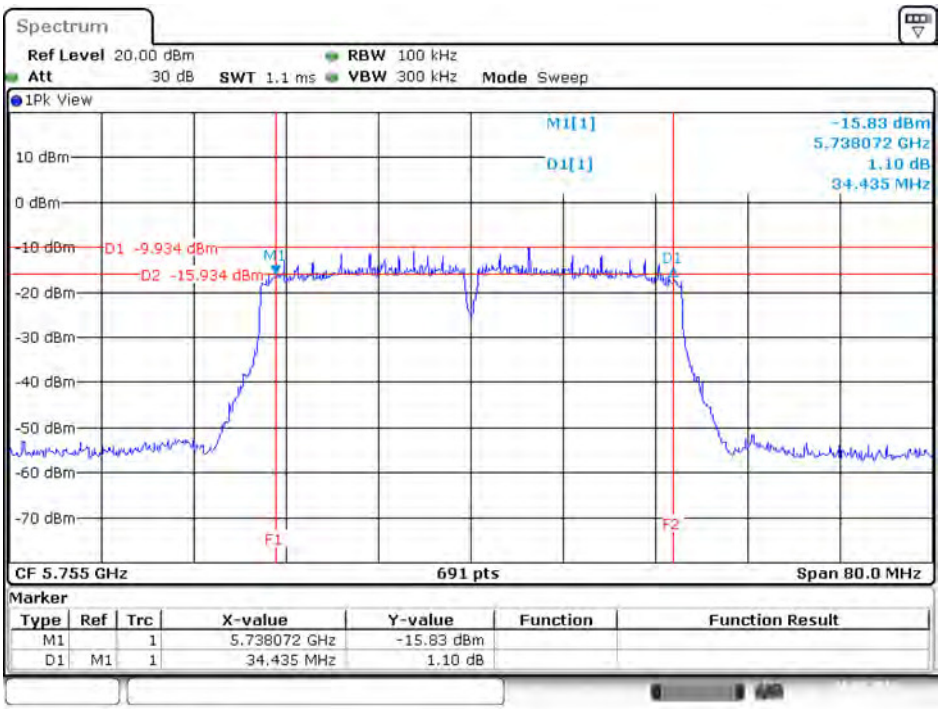

Date: 26.MAY.2016 09:36:32

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 3 / 5795 MHz



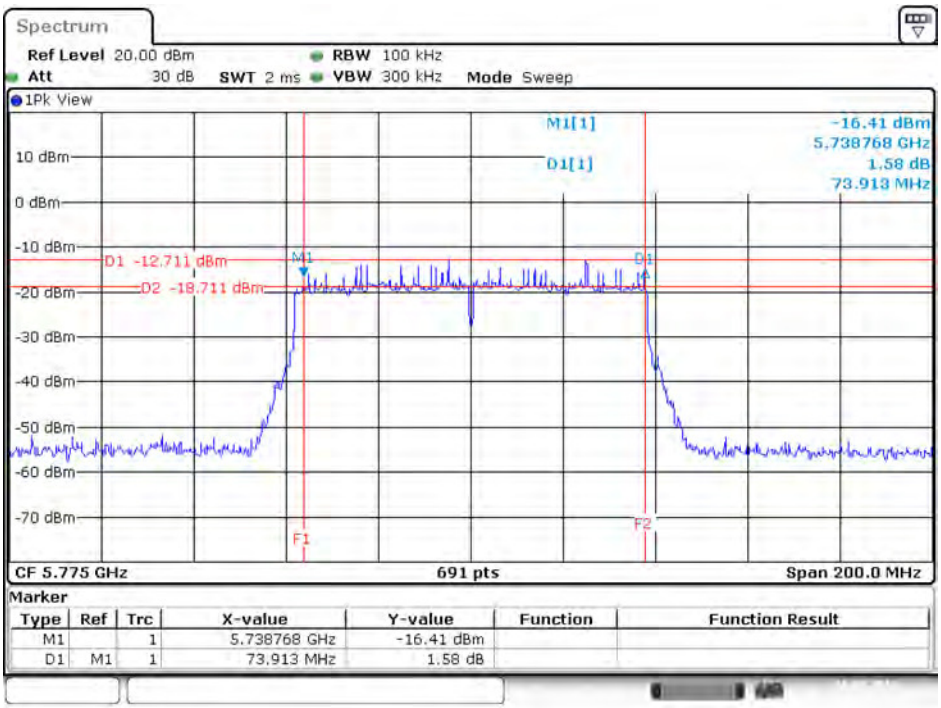

Date: 26.MAY.2016 09:36:45

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 / 5755 MHz



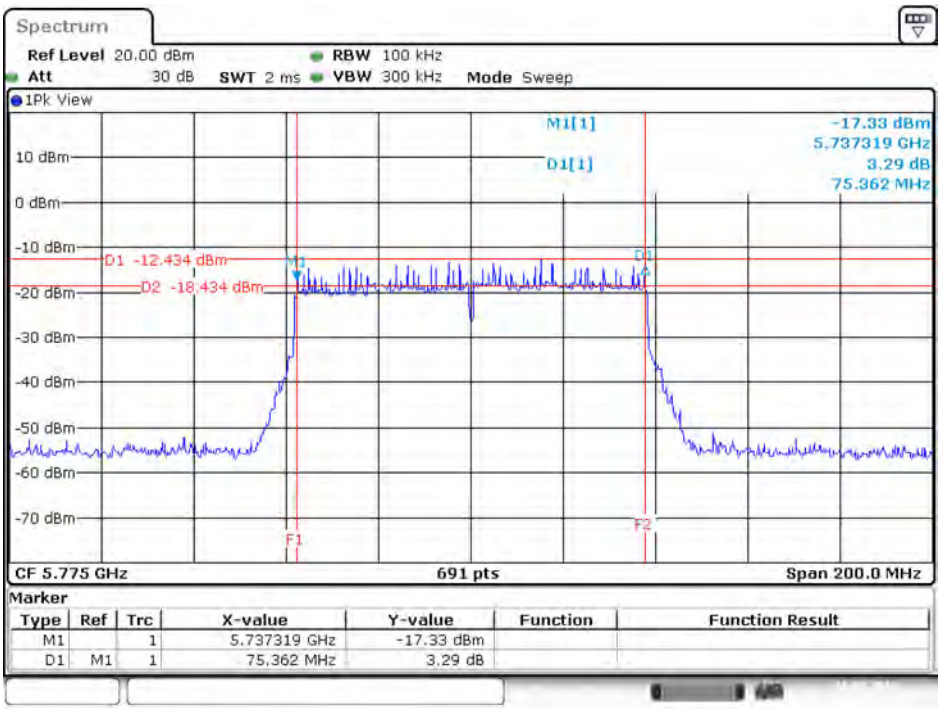

Date: 26.MAY.2016 09:35:30

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5775 MHz



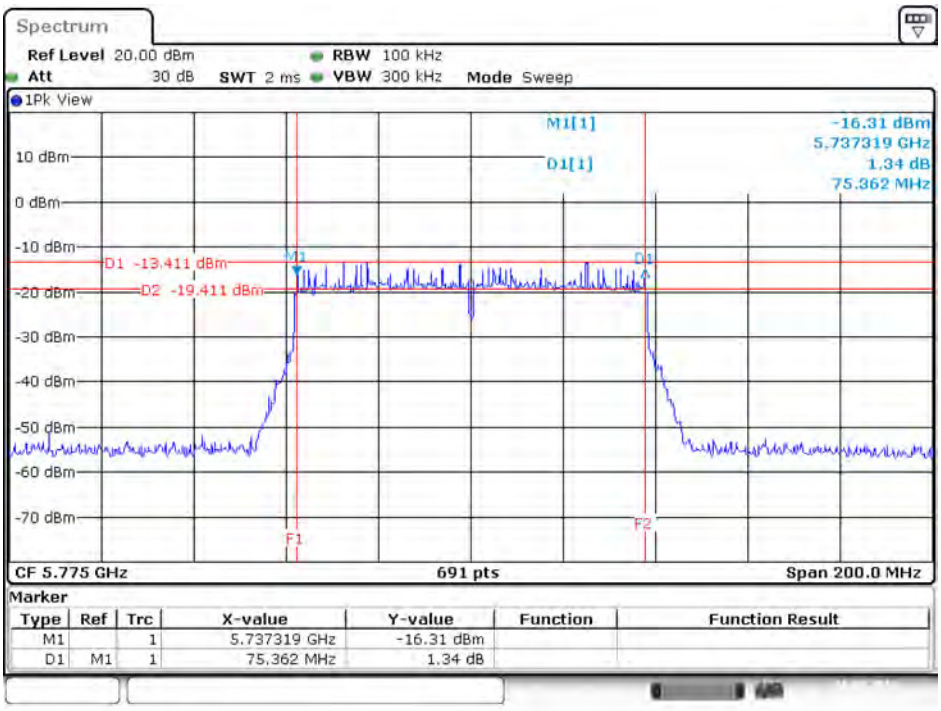

Date: 26.MAY.2016 09:37:57

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2 / 5775 MHz



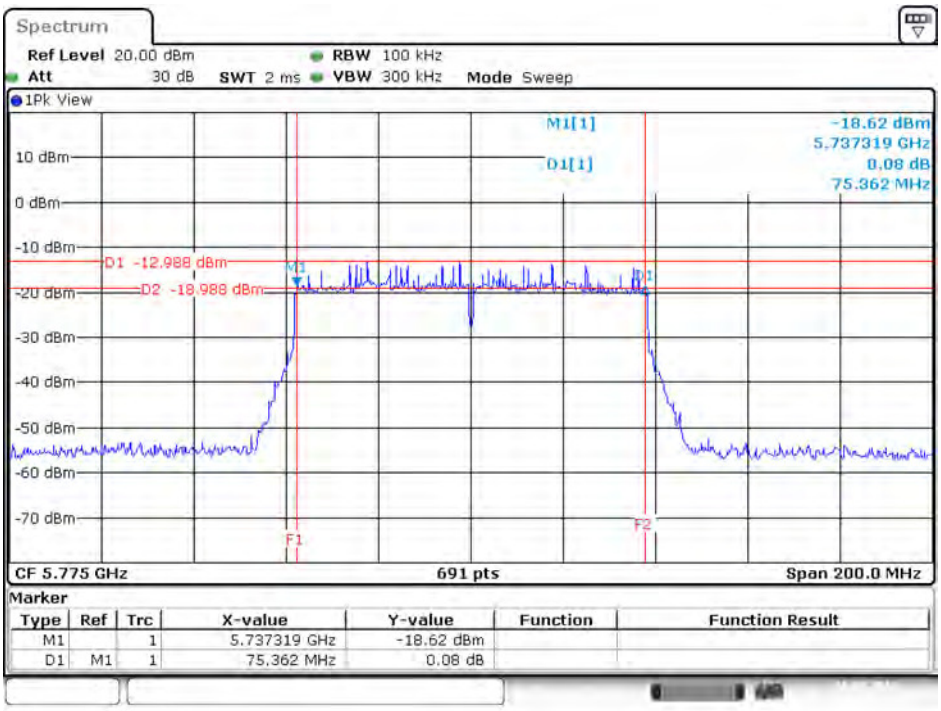

Date: 26.MAY.2016 09:38:14

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 3 / 5775 MHz



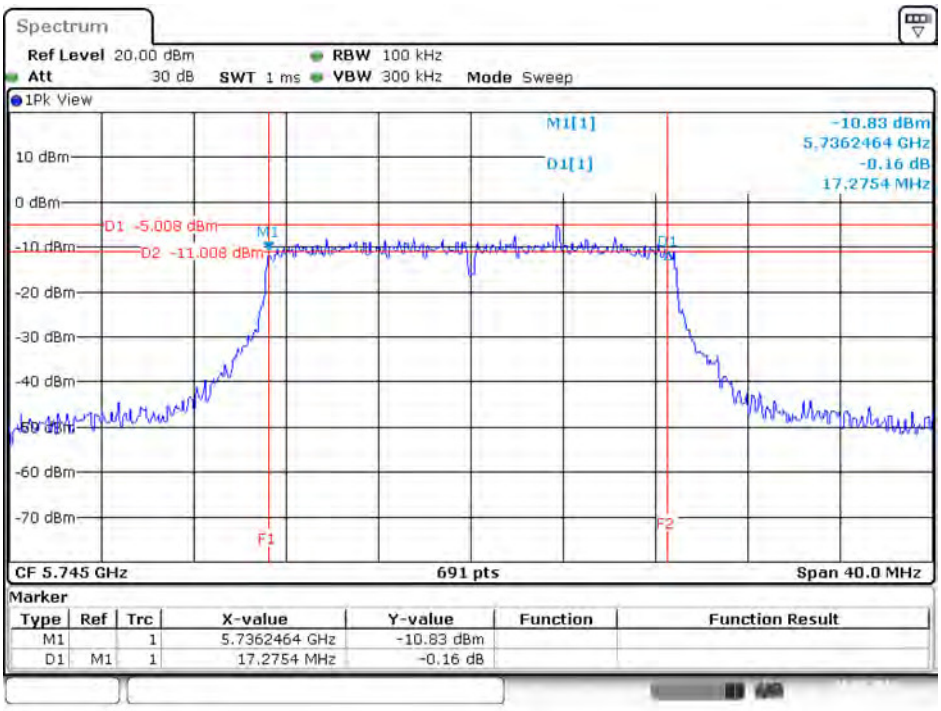

Date: 26.MAY.2016 09:38:29

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 / 5775 MHz



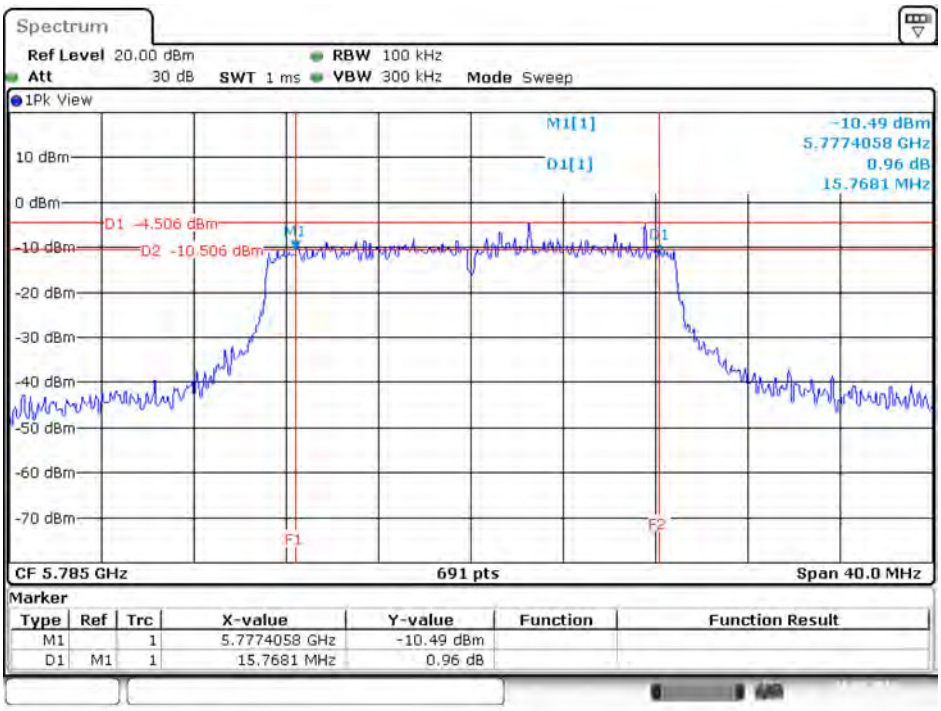

Date: 26.MAY.2016 09:38:41

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 / 5745 MHz



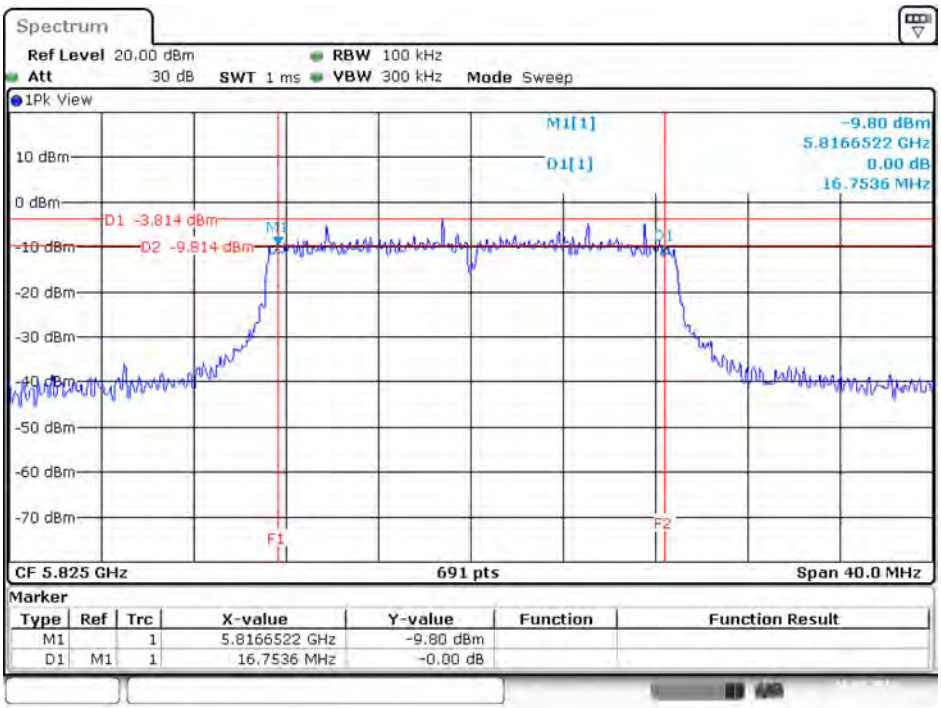

Date: 26.MAY.2016 10:25:39

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 2 / 5785 MHz



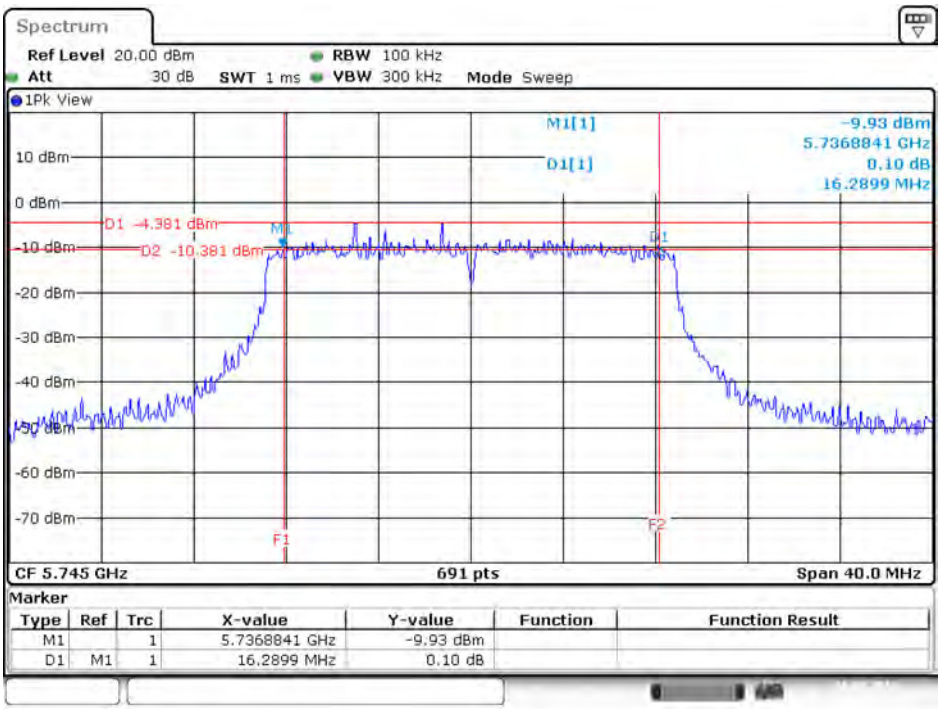

Date: 26.MAY.2016 10:27:15

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 3 / 5825 MHz



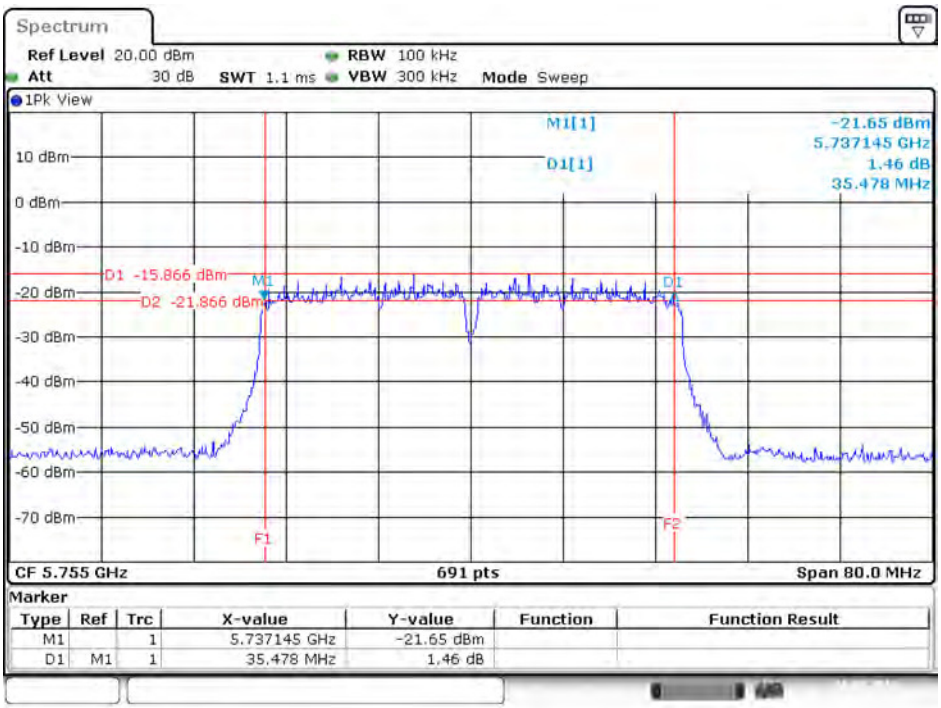

Date: 26.MAY.2016 10:28:53

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 4 / 5745 MHz



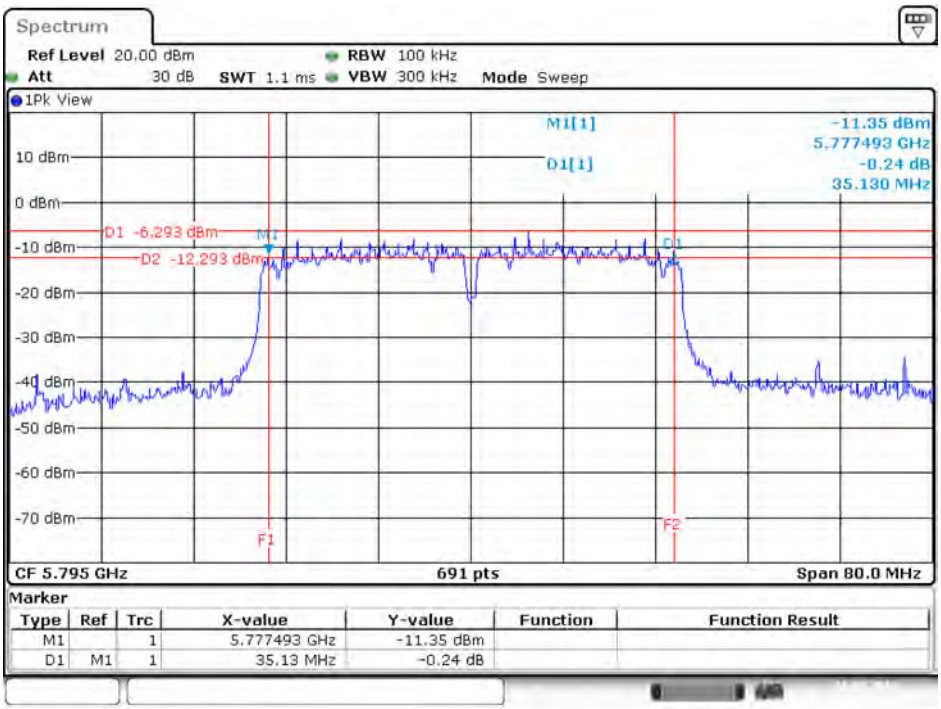

Date: 26.MAY.2016 10:26:24

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 / 5755 MHz



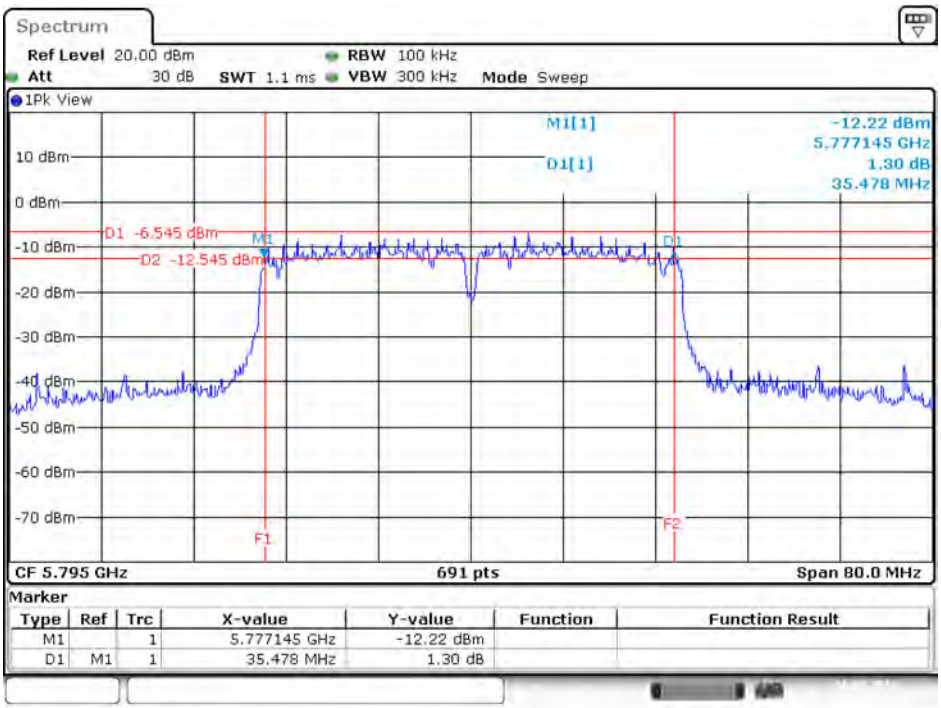

Date: 26.MAY.2016 10:41:20

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 2 / 5795 MHz



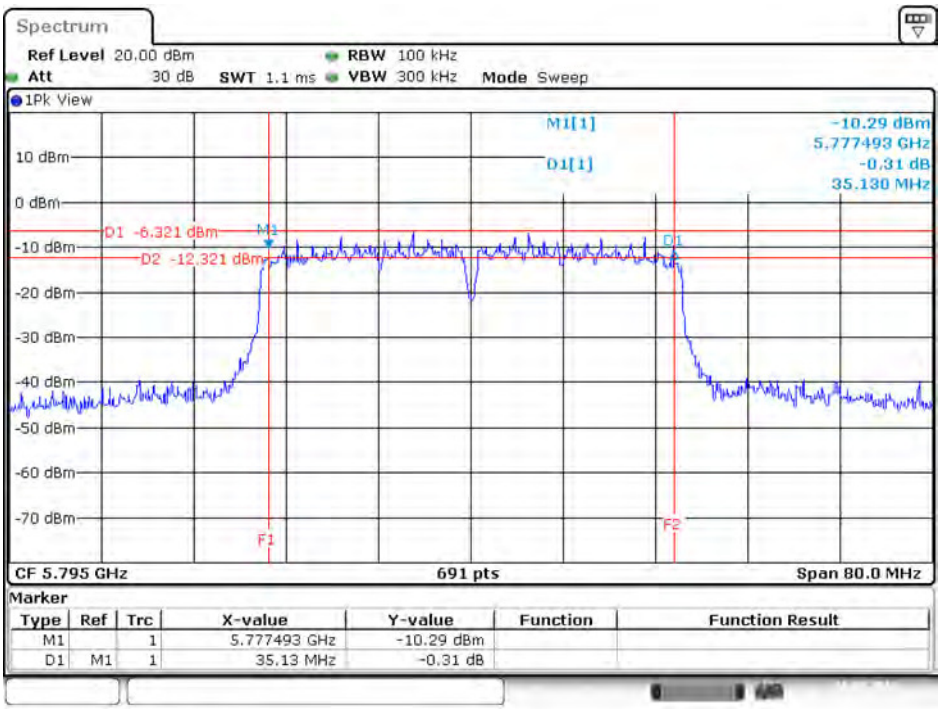

Date: 26.MAY.2016 10:35:49

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 3 / 5795 MHz



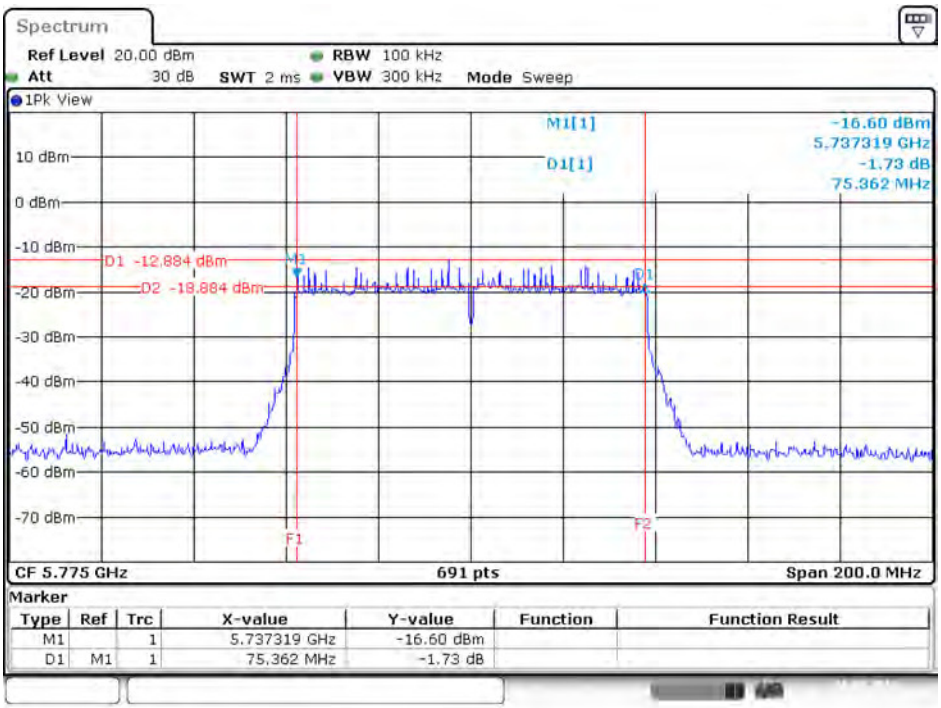

Date: 26.MAY.2016 10:36:02

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 4 / 5795 MHz



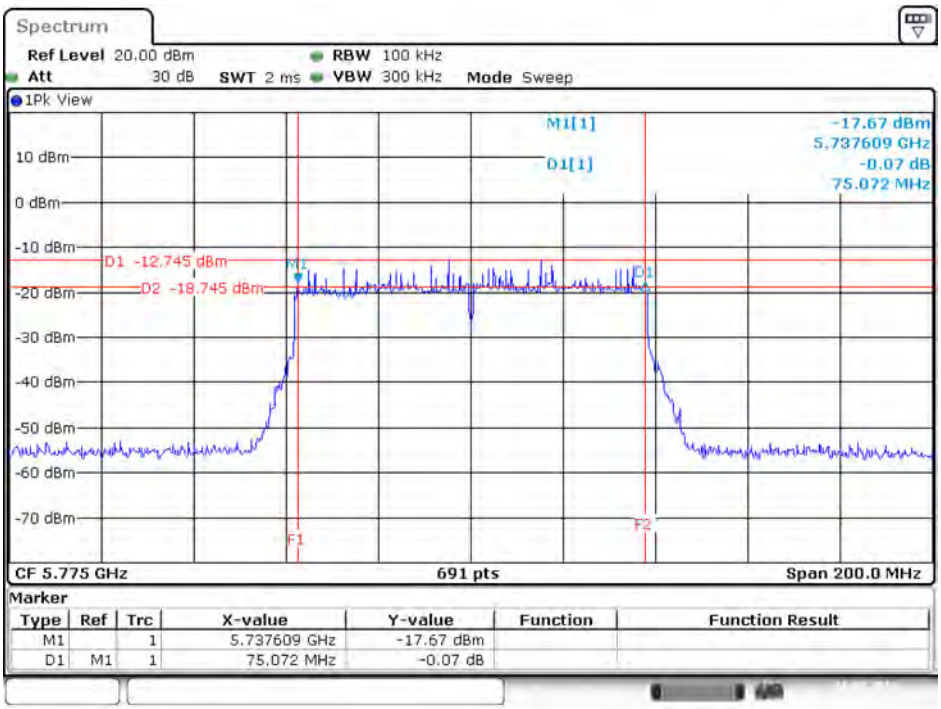

Date: 26.MAY.2016 10:36:13

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 / 5775 MHz



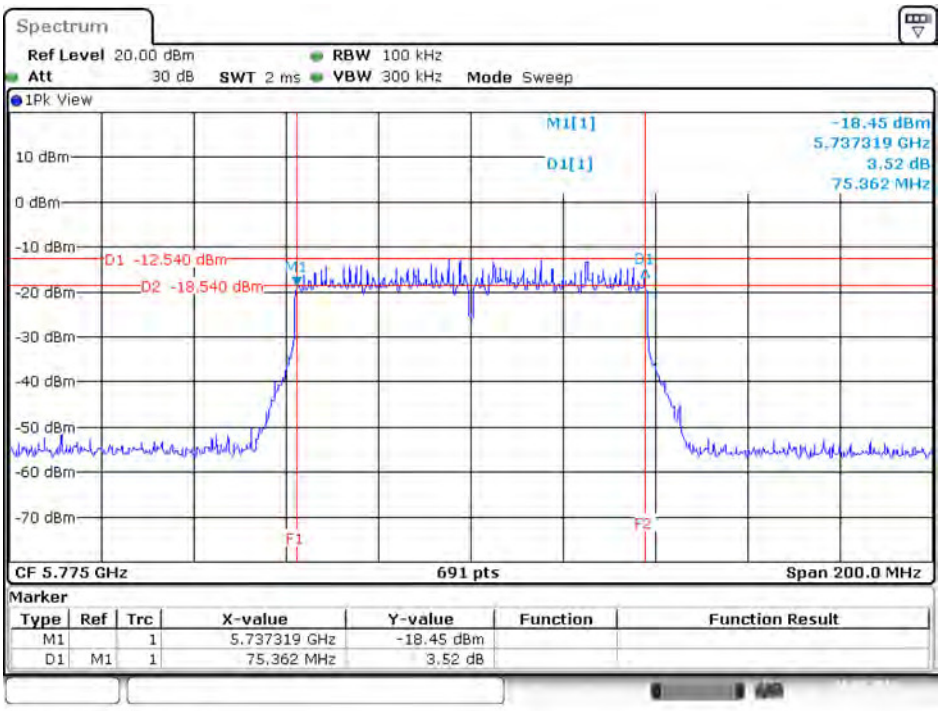

Date: 26.MAY.2016 10:43:34

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 2 / 5775 MHz



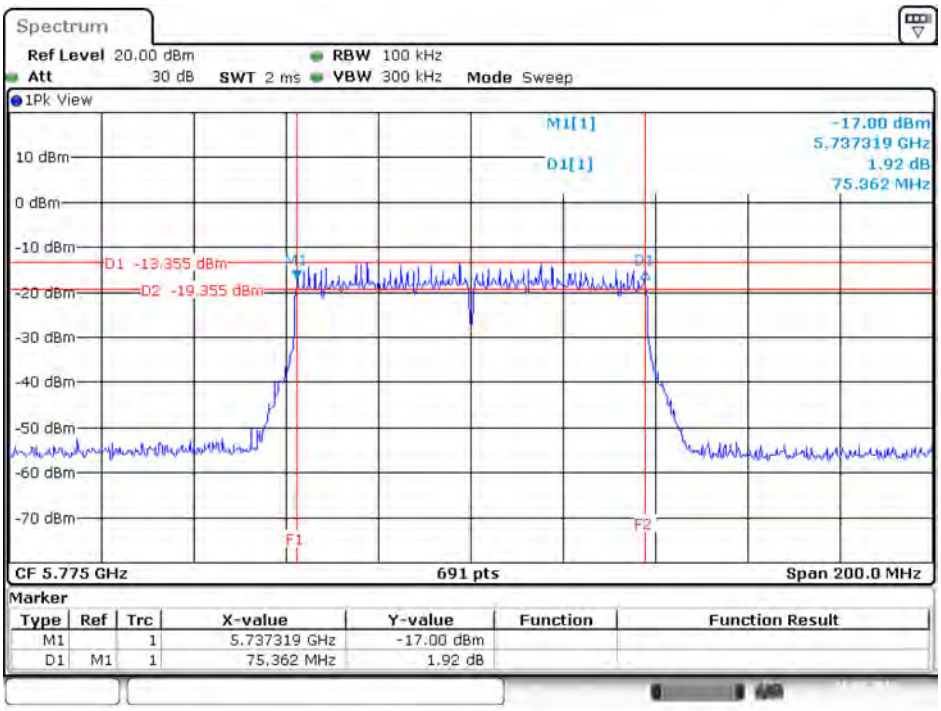

Date: 26.MAY.2016 10:43:59

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 3 / 5775 MHz



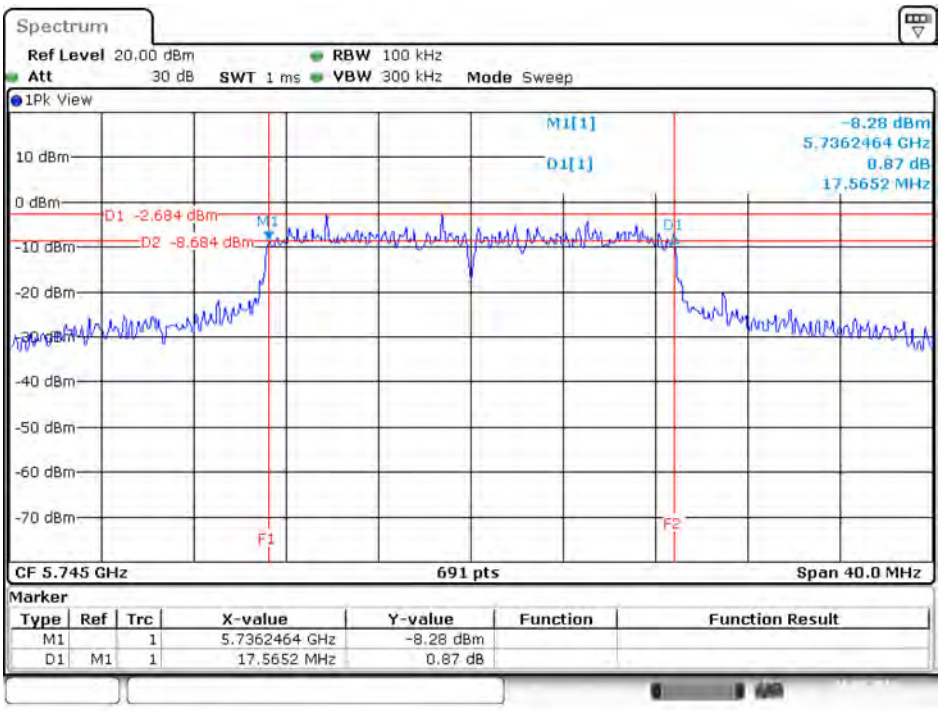

Date: 26.MAY.2016 10:44:27

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 4 / 5775 MHz



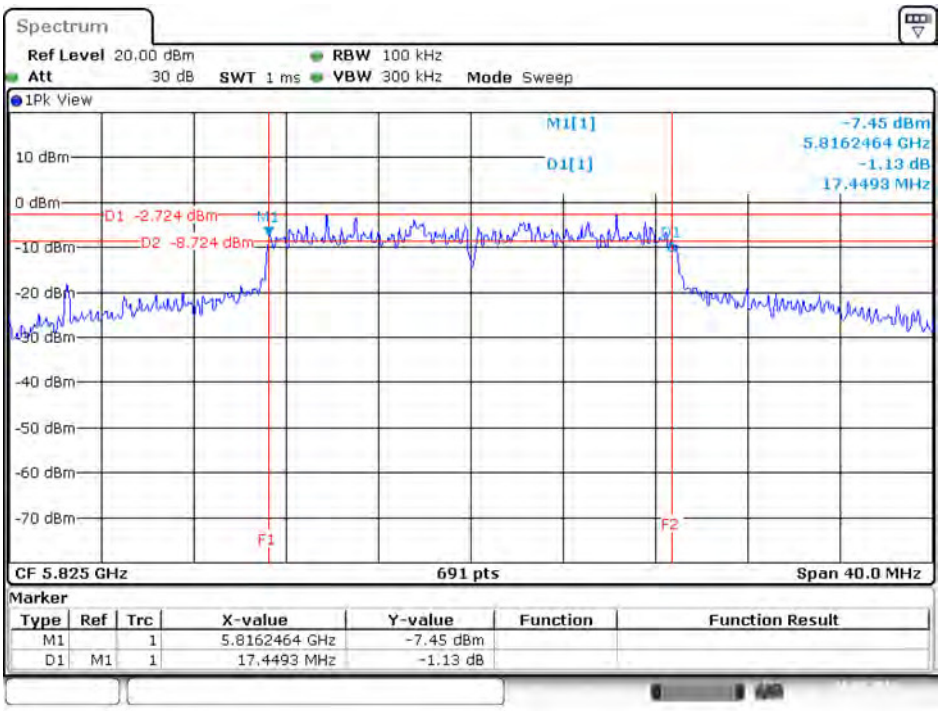

Date: 26.MAY.2016 10:44:41

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 / 5745 MHz



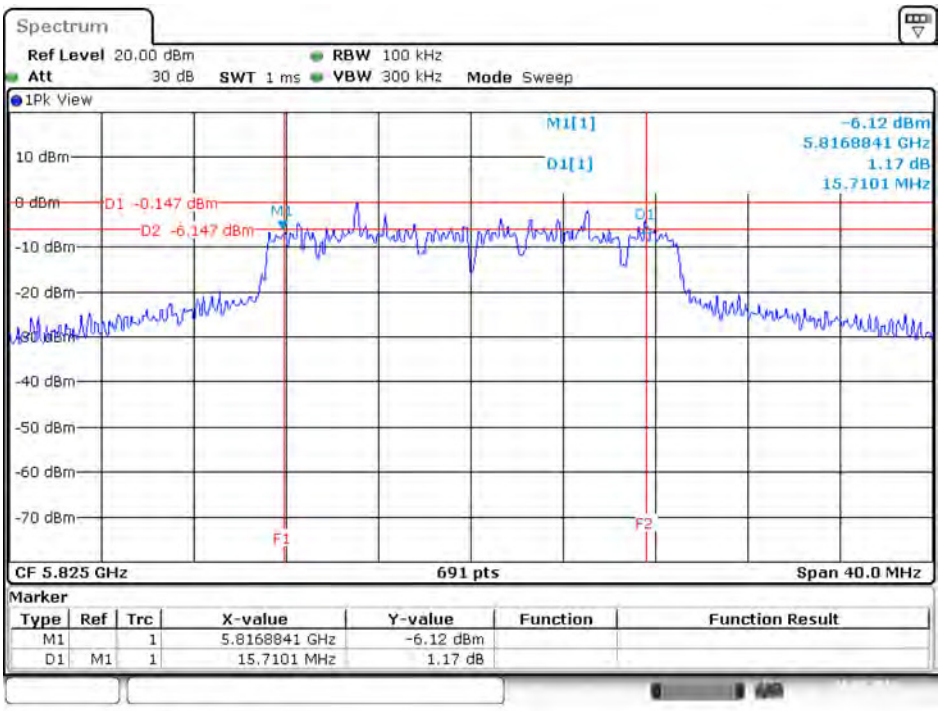

Date: 26.MAY.2016 11:49:29

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 2 / 5825 MHz



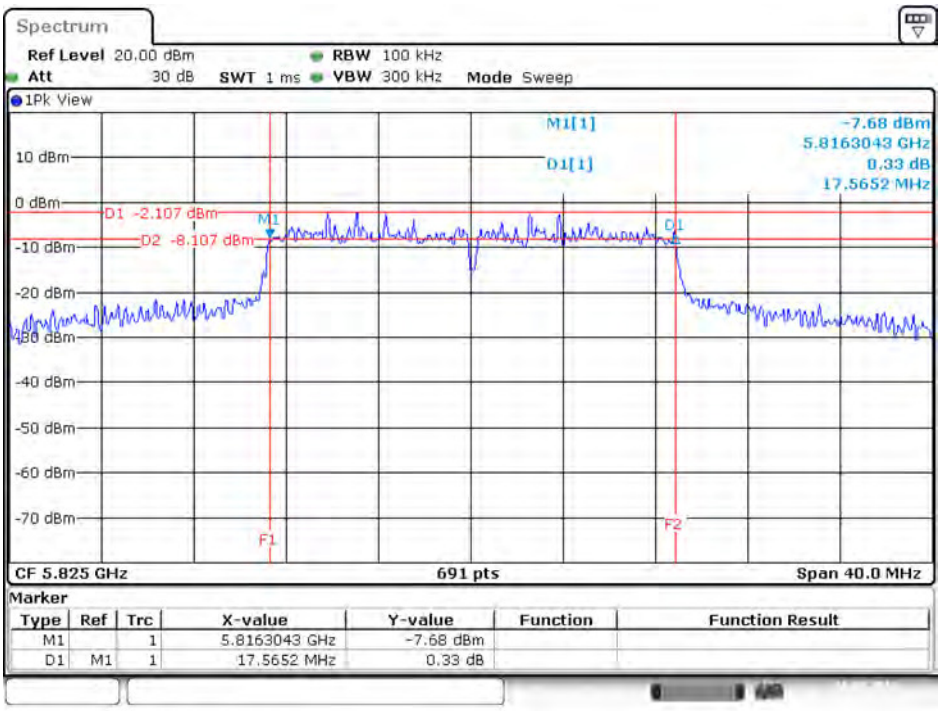

Date: 26.MAY.2016 11:51:06

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 3 / 5825 MHz



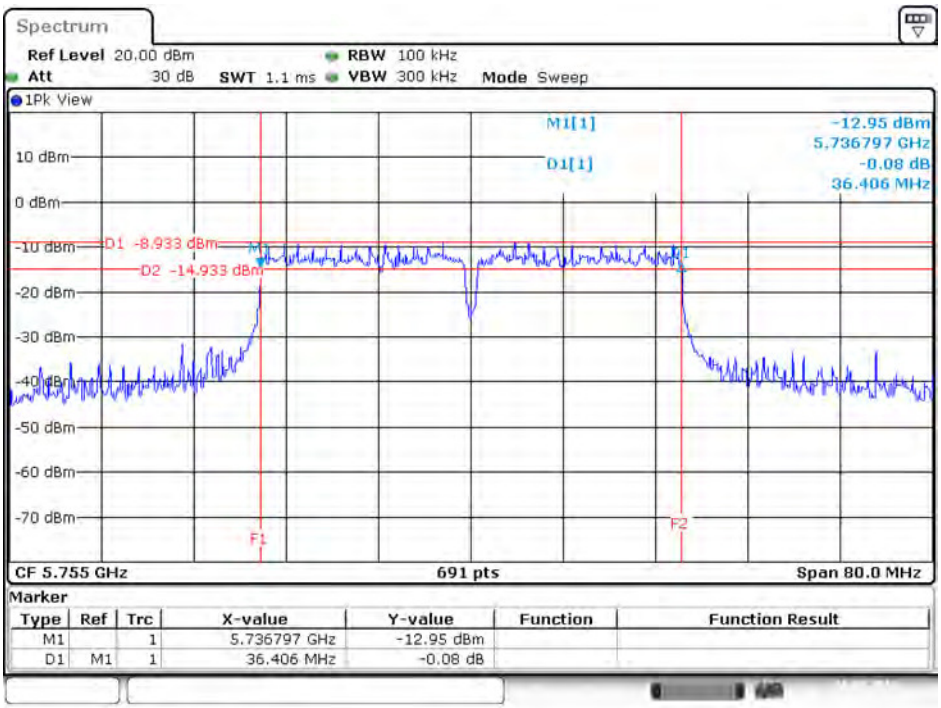

Date: 26.MAY.2016 11:51:24

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 4 / 5825 MHz



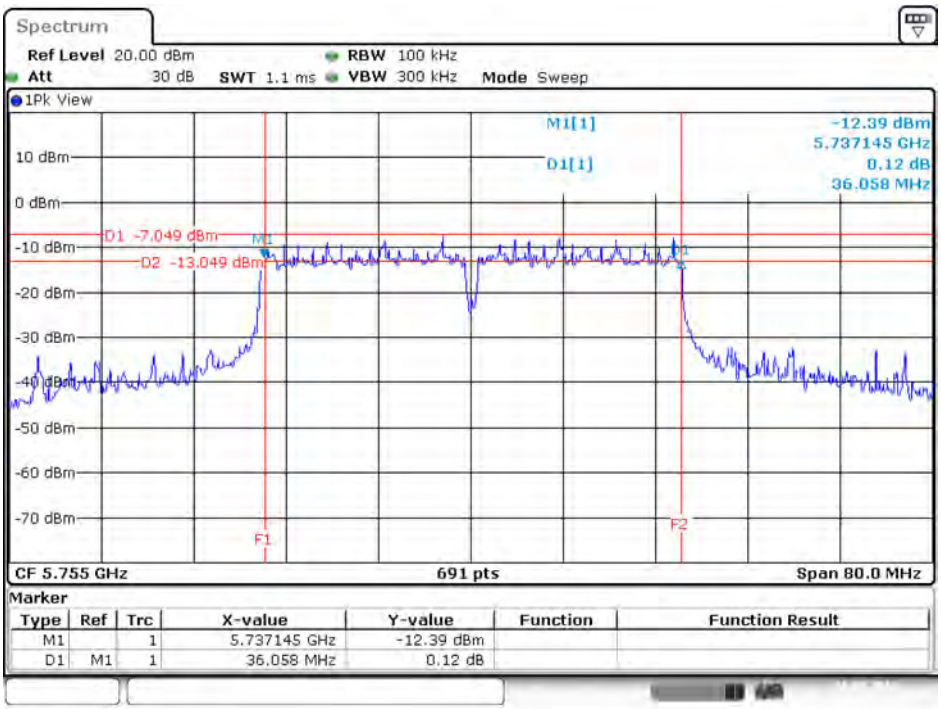

Date: 26.MAY.2016 11:51:38

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 / 5755 MHz



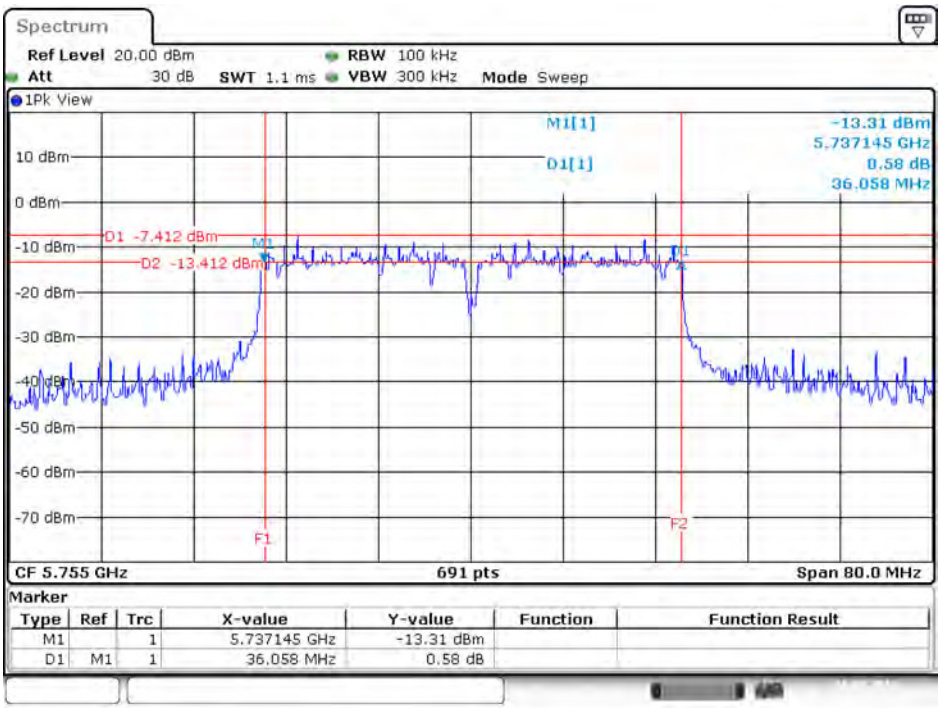

Date: 26.MAY.2016 11:54:16

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 2 / 5755 MHz



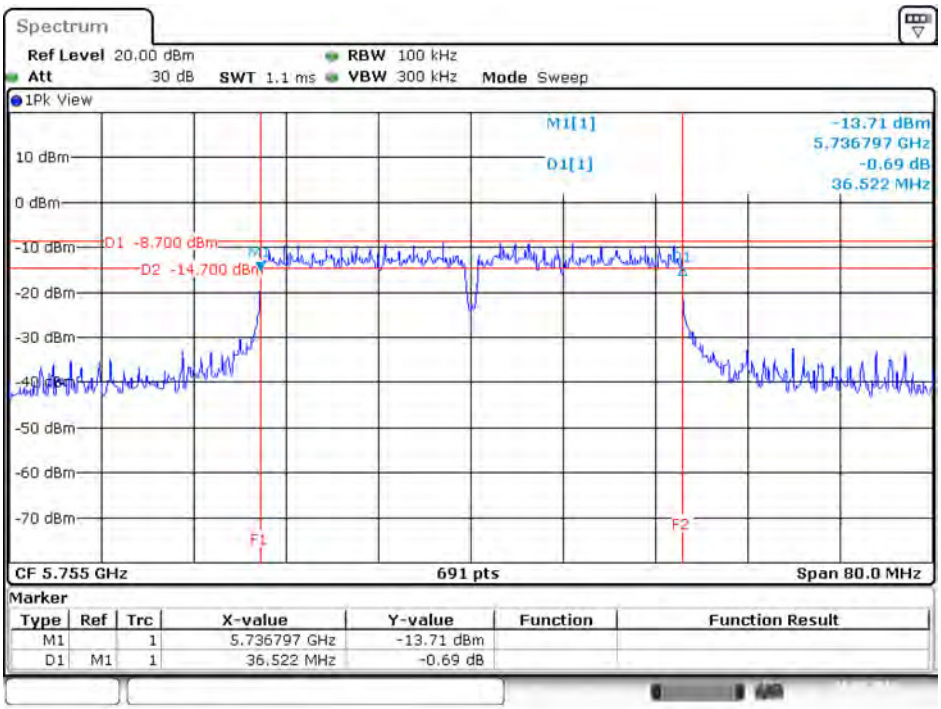

Date: 26.MAY.2016 11:54:46

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 3 / 5755 MHz



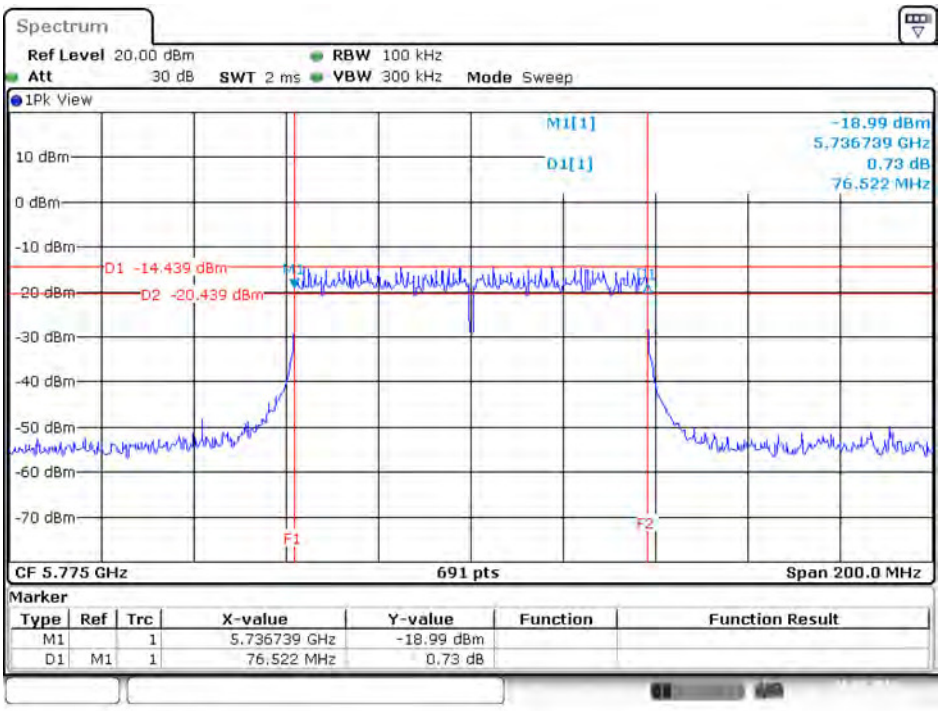

Date: 26.MAY.2016 11:55:01

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 4 / 5755 MHz



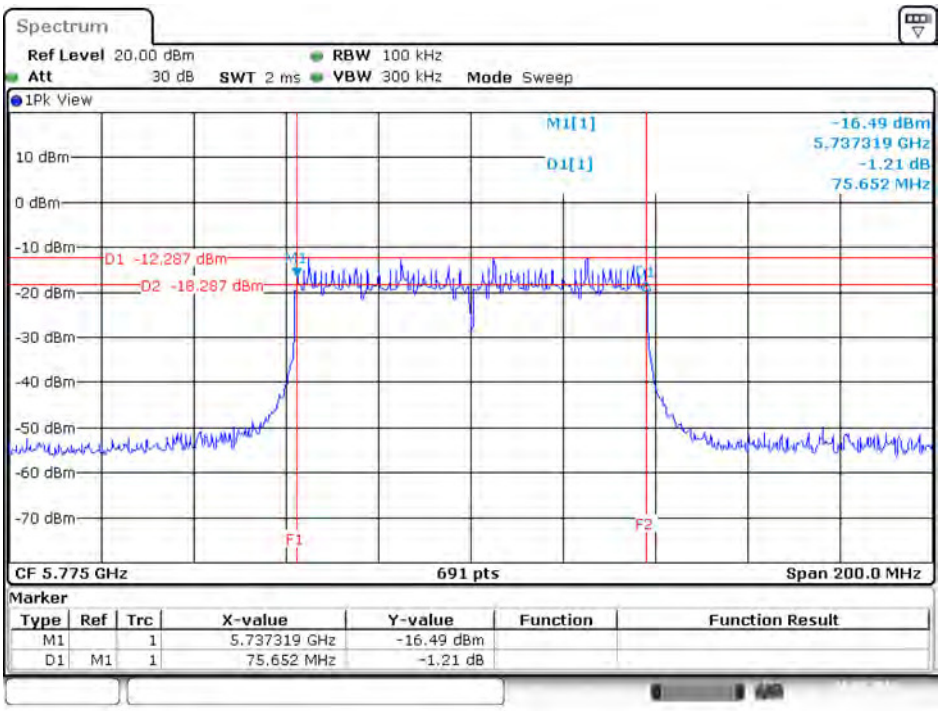

Date: 26.MAY.2016 11:55:17

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 / 5775 MHz



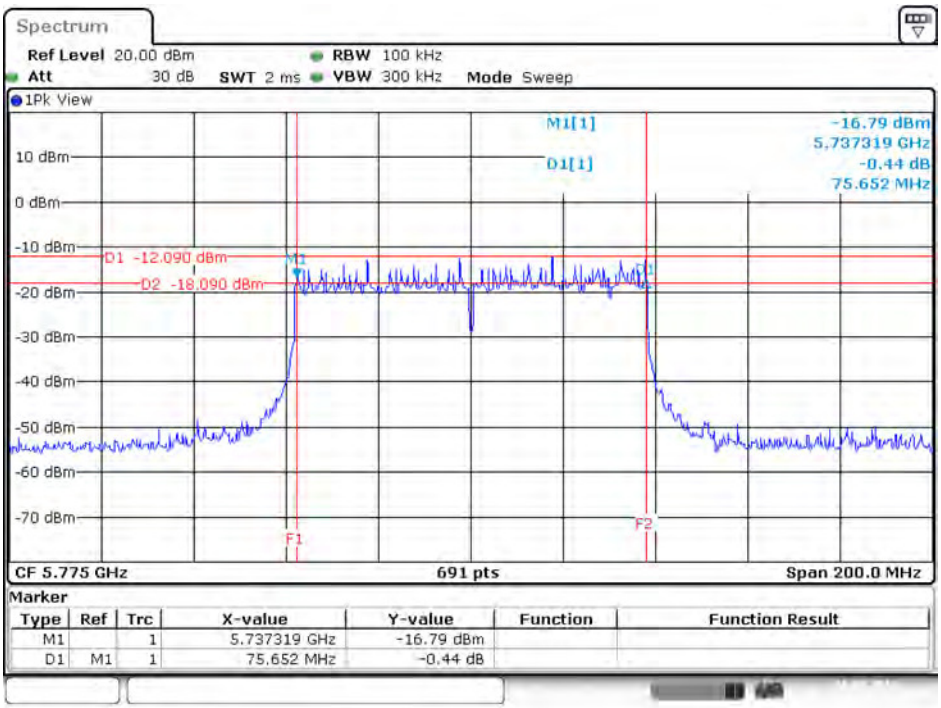

Date: 26.MAY.2016 11:57:51

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 2 / 5775 MHz



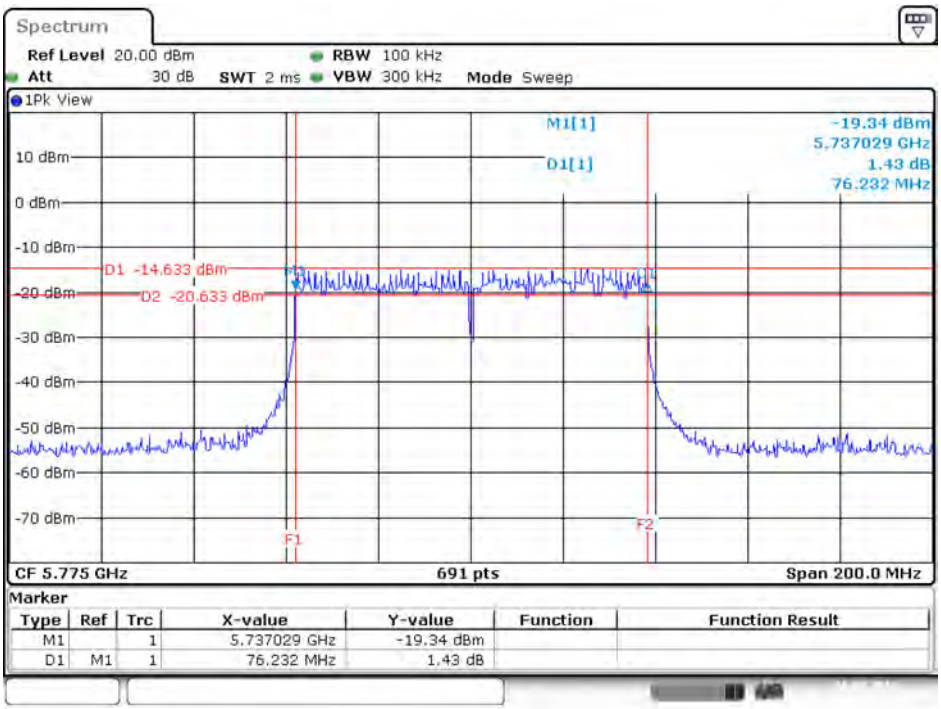

Date: 26.MAY.2016 11:58:11

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 3 / 5775 MHz




Date: 26.MAY.2016 11:58:24

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 4 / 5775 MHz

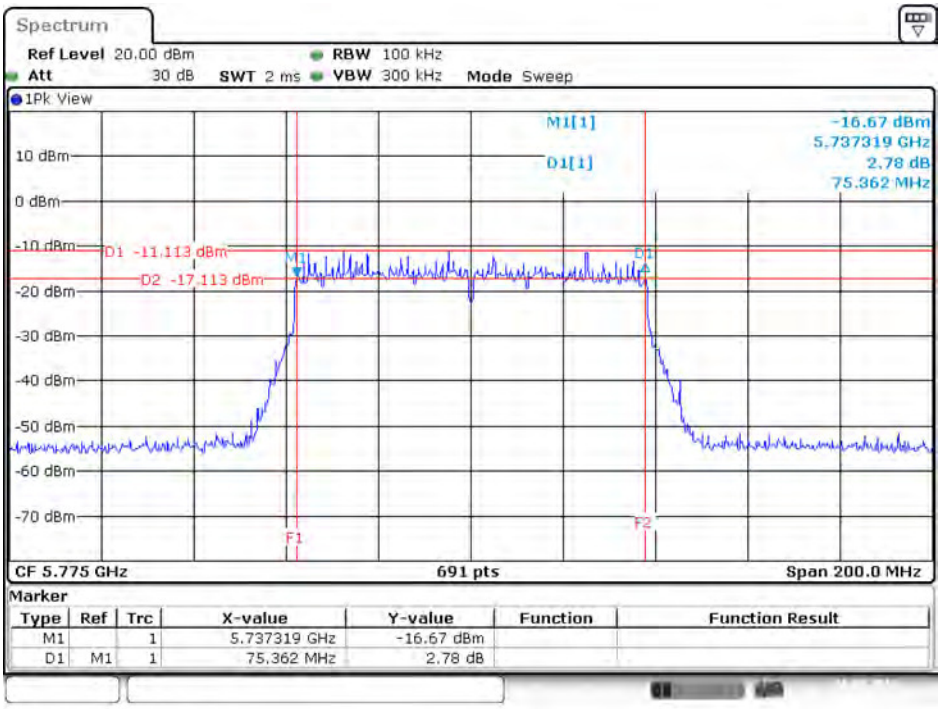



Date: 26.MAY.2016 11:58:38

## For 802.11ac MCS0/Nss2 VHT80+80 Mode

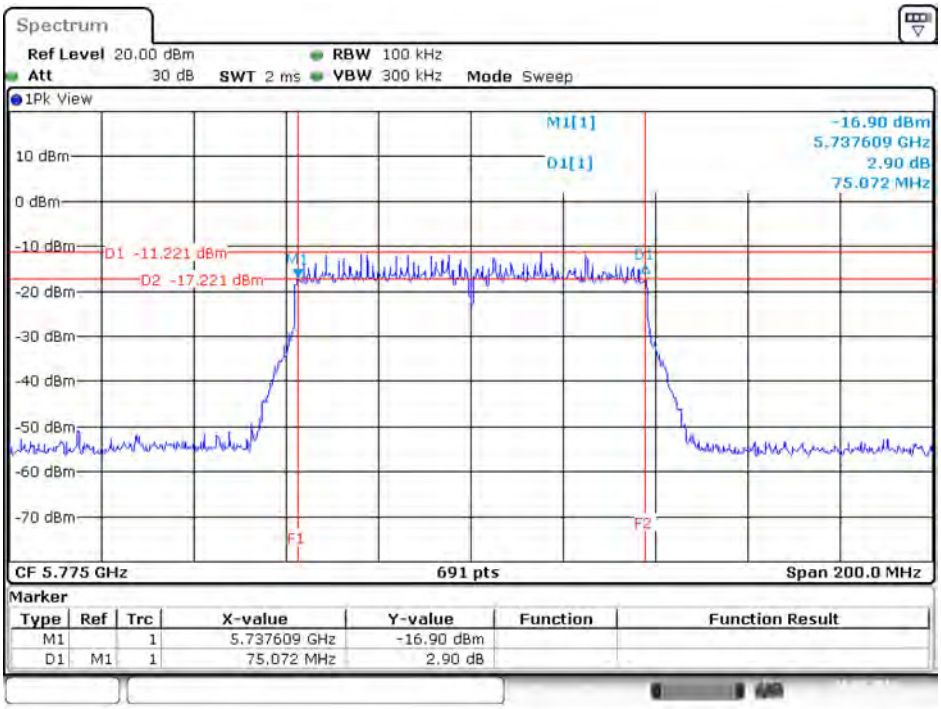
### Type 1

### 6 dB Bandwidth Plot on Chain 3 / 5775 MHz




Date: 26.MAY.2016 20:53:05

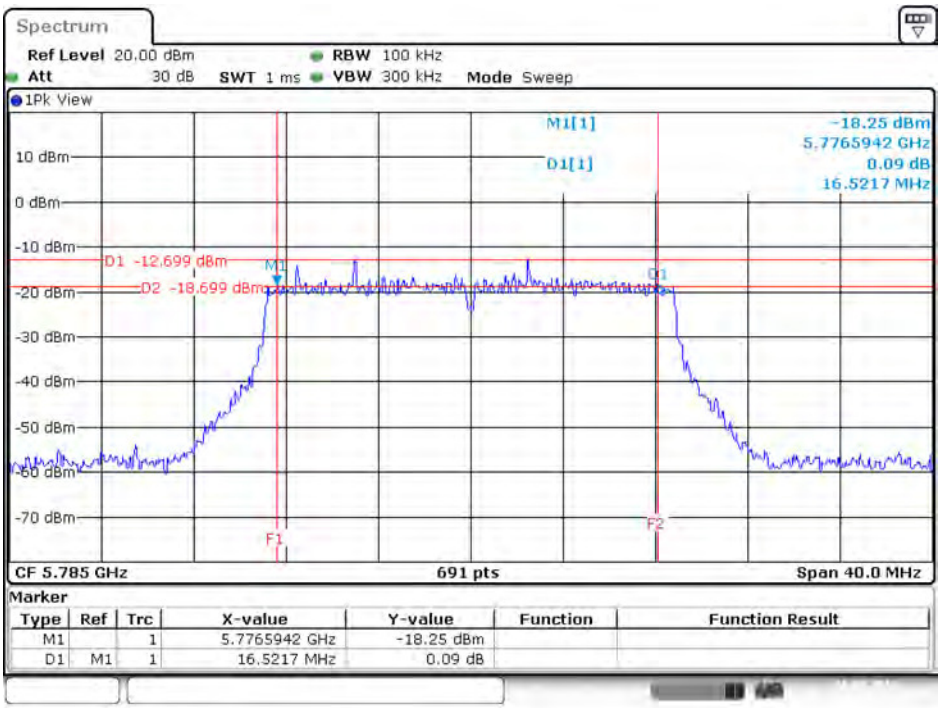
### 6 dB Bandwidth Plot on Chain 4 / 5775 MHz




Date: 26.MAY.2016 20:53:23

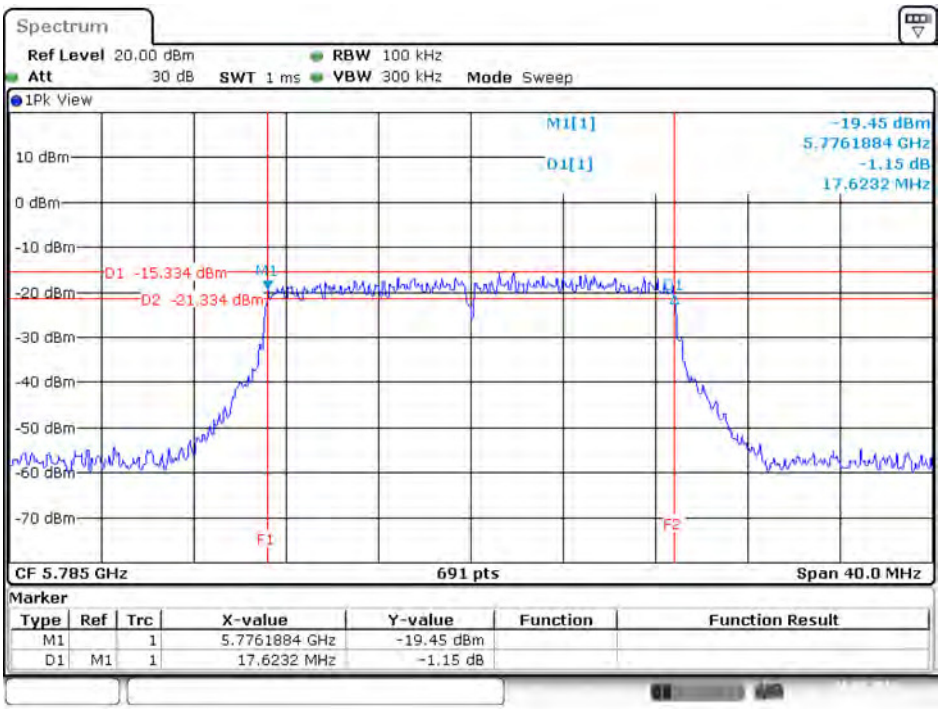
**For Mode 3:**

**6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5785 MHz**



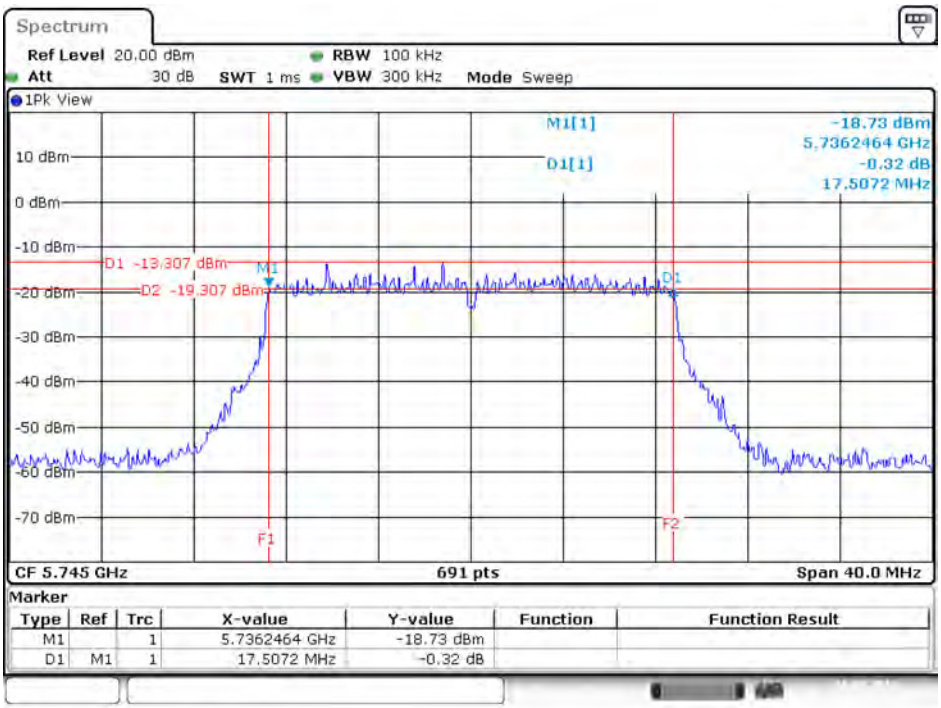

Date: 26.MAY.2016 10:04:29

**6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5785 MHz**



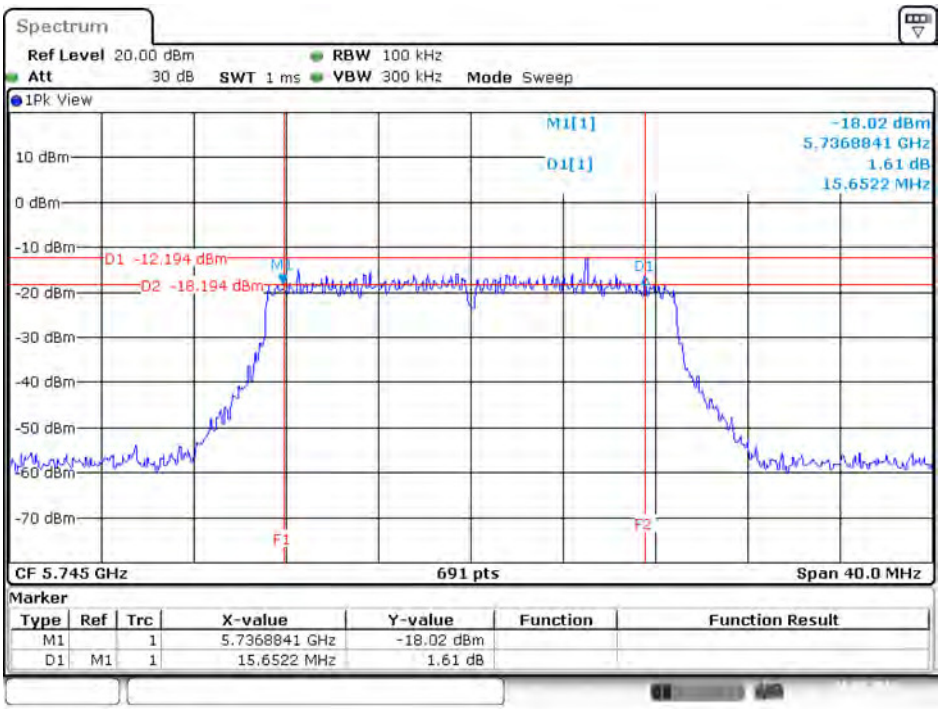

Date: 26.MAY.2016 10:05:05

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 3 / 5745 MHz



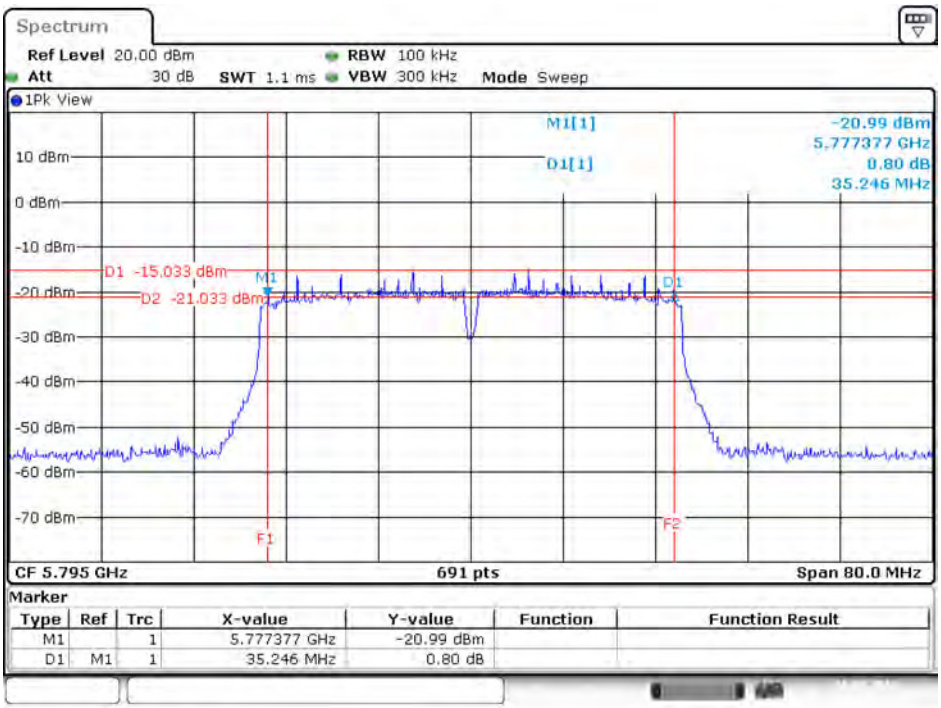

Date: 26.MAY.2016 09:51:27

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 / 5745 MHz



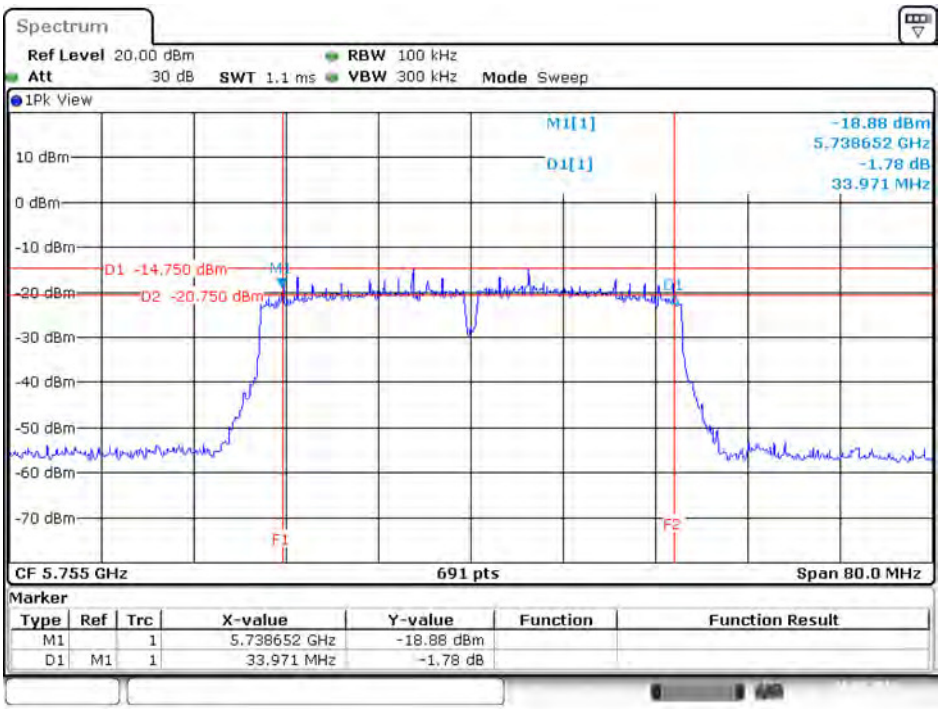

Date: 26.MAY.2016 09:51:44

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5795 MHz



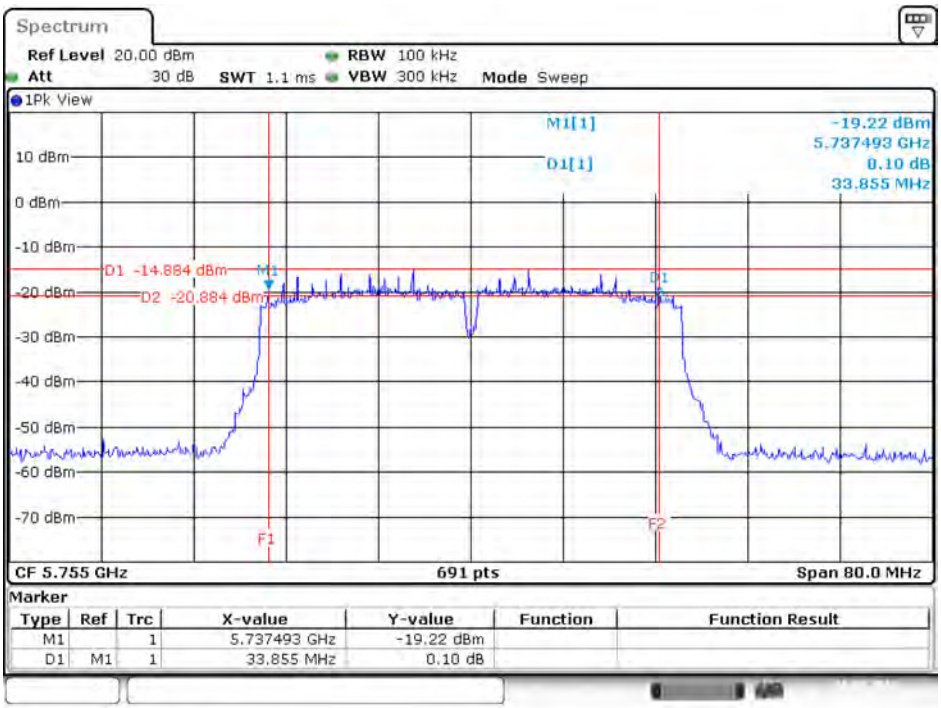

Date: 26.MAY.2016 10:09:16

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5755 MHz



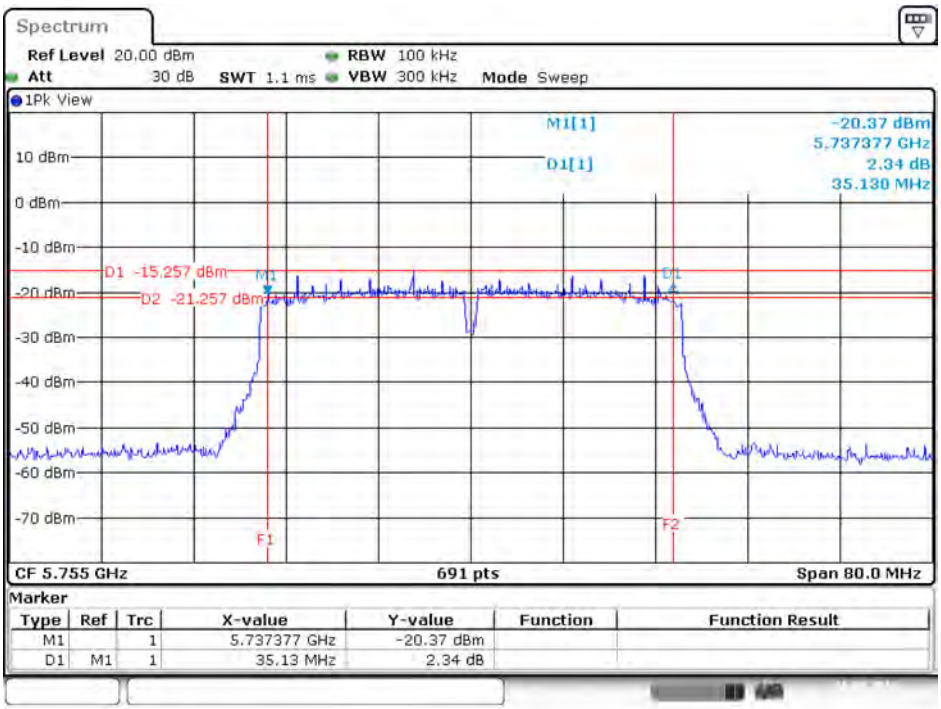

Date: 26.MAY.2016 10:08:03

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 3 / 5755 MHz



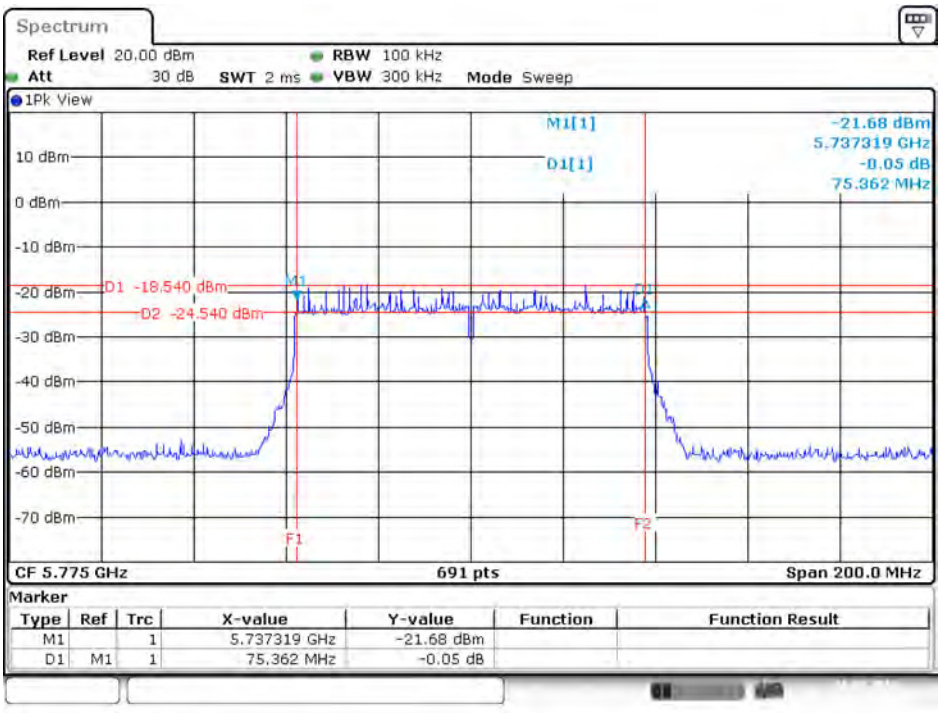

Date: 26.MAY.2016 10:08:17

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 / 5755 MHz



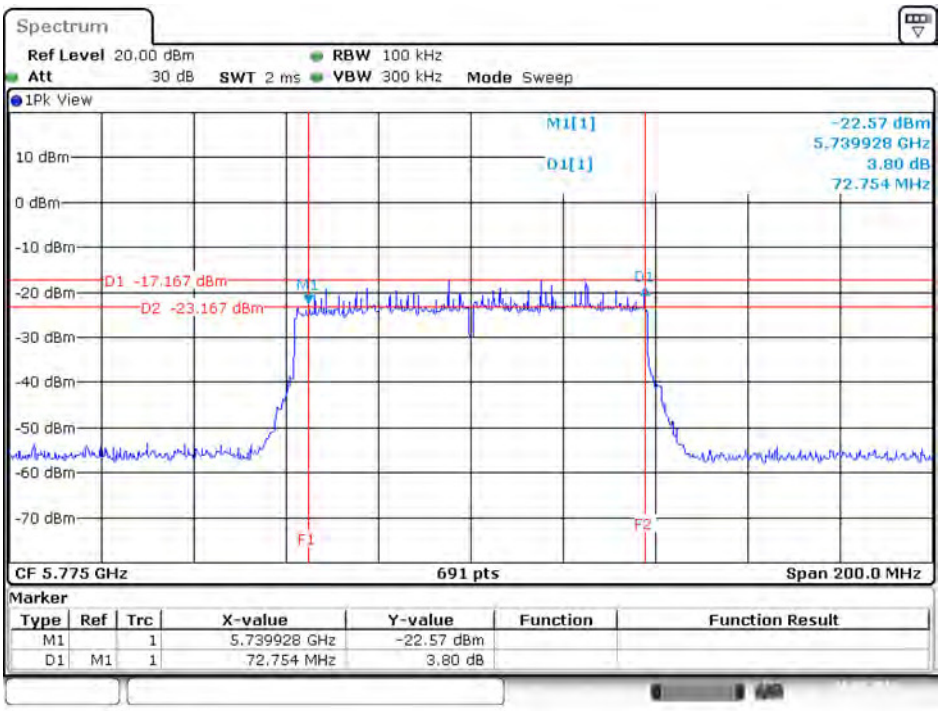

Date: 26.MAY.2016 10:08:29

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5775 MHz



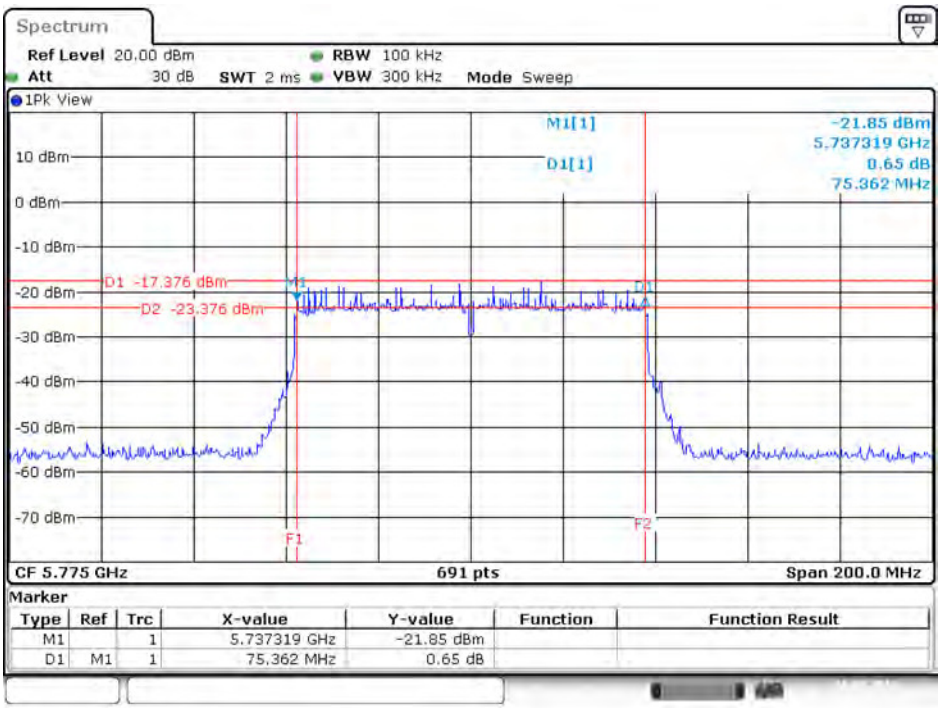

Date: 26.MAY.2016 10:11:07

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2 / 5775 MHz



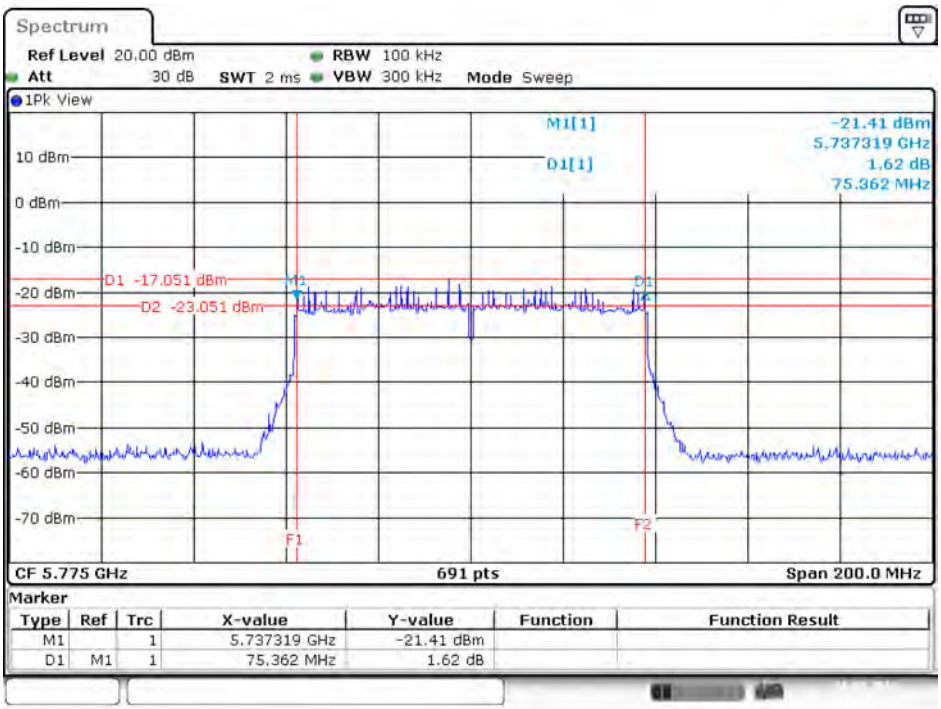

Date: 26.MAY.2016 10:11:22

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 3 / 5775 MHz



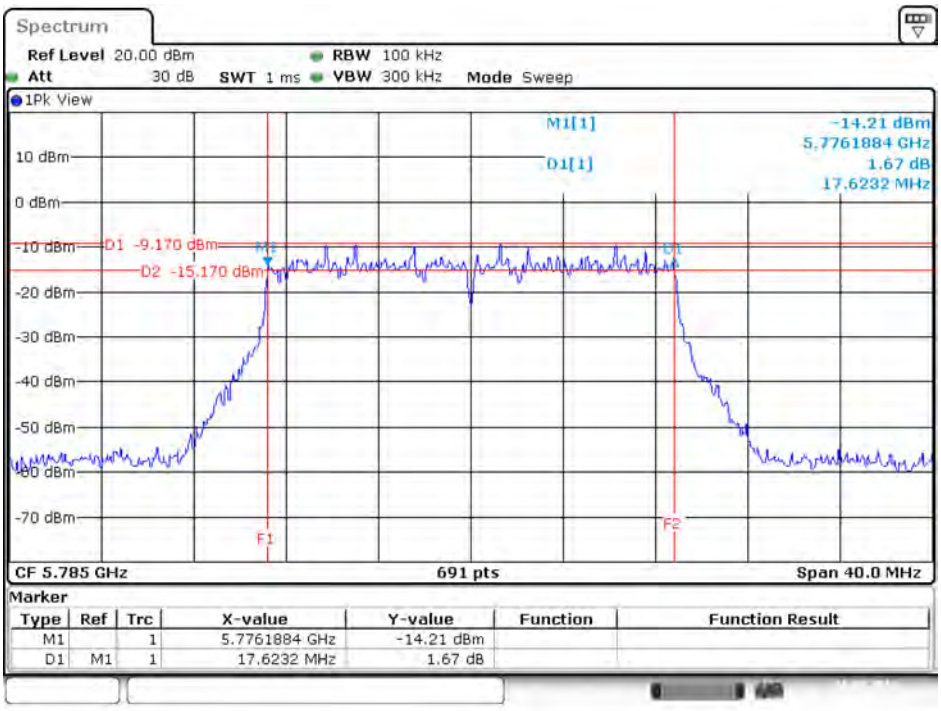

Date: 26.MAY.2016 10:11:36

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 / 5775 MHz



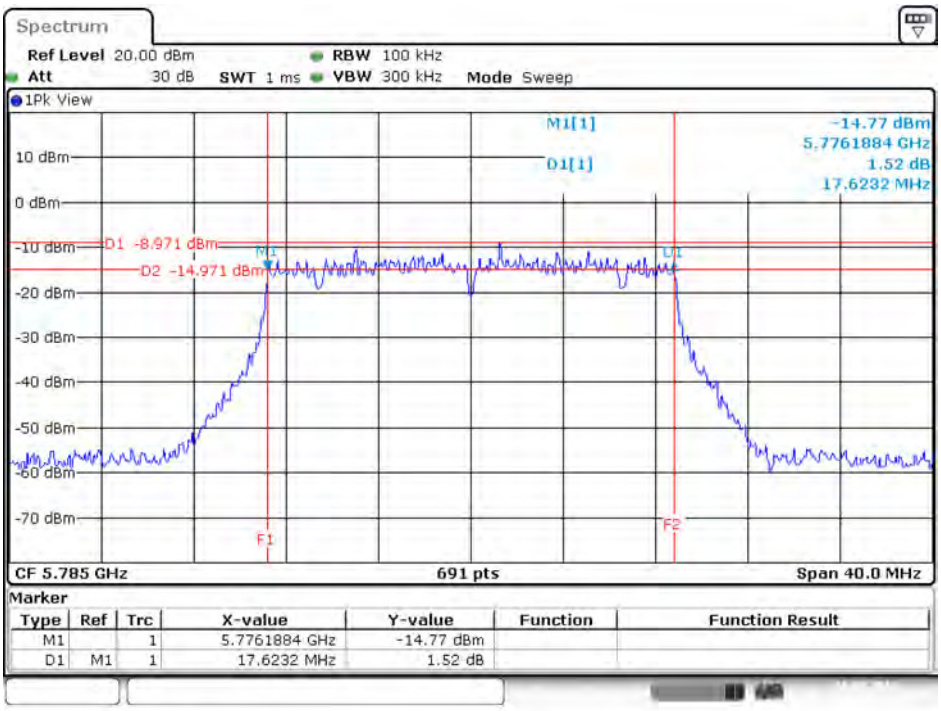

Date: 26.MAY.2016 10:11:49

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 / 5785 MHz



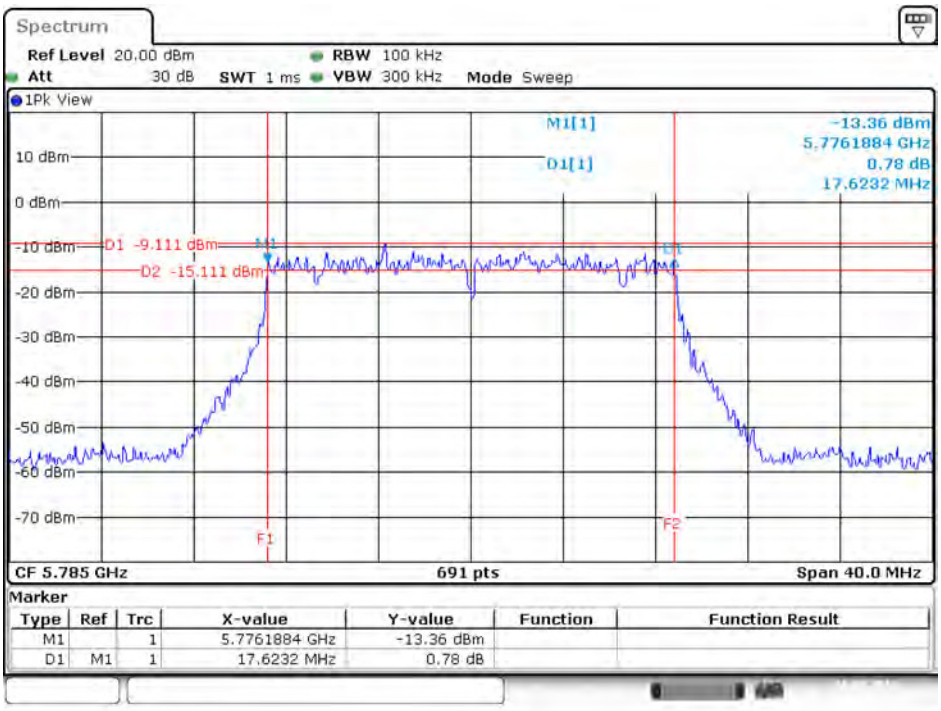

Date: 26.MAY.2016 10:48:56

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 2 / 5785 MHz



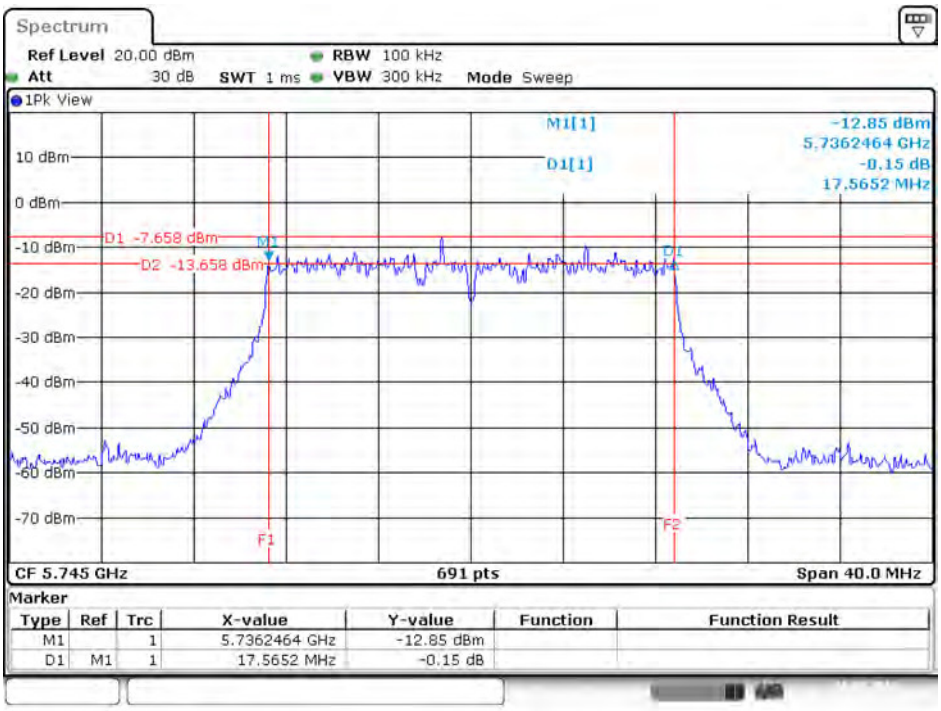

Date: 26.MAY.2016 10:49:15

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 3 / 5825 MHz



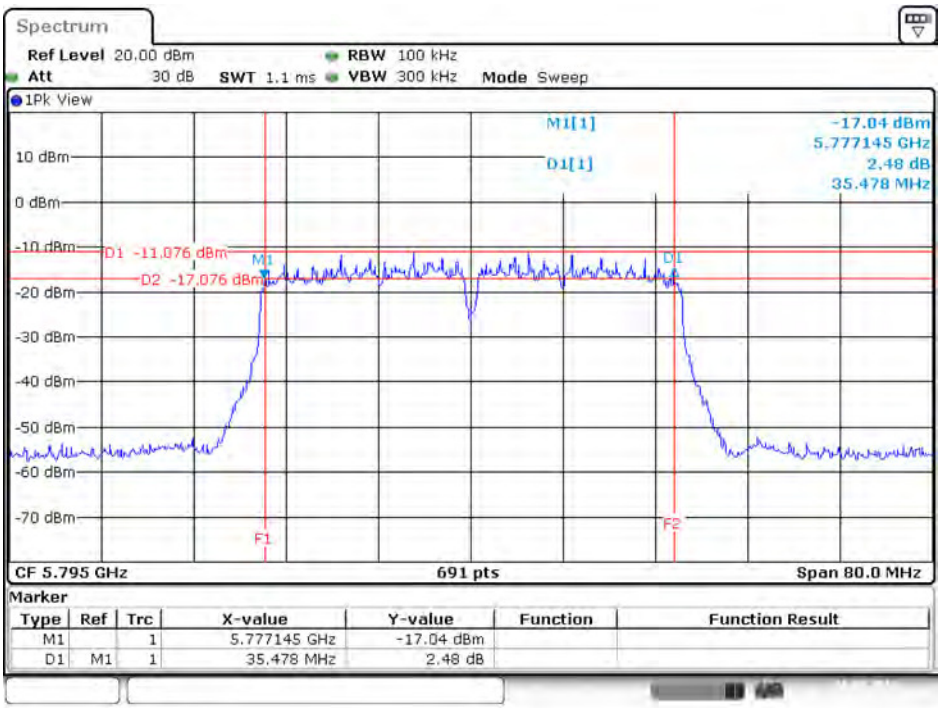

Date: 26.MAY.2016 10:49:30

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 4 / 5745 MHz



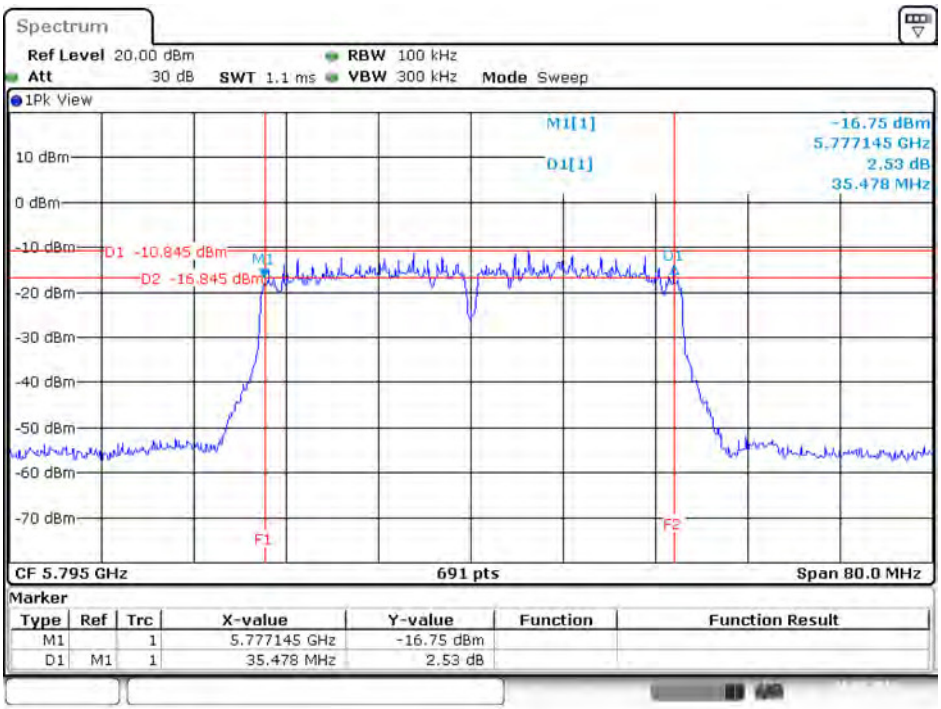

Date: 26.MAY.2016 10:47:20

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 / 5795 MHz



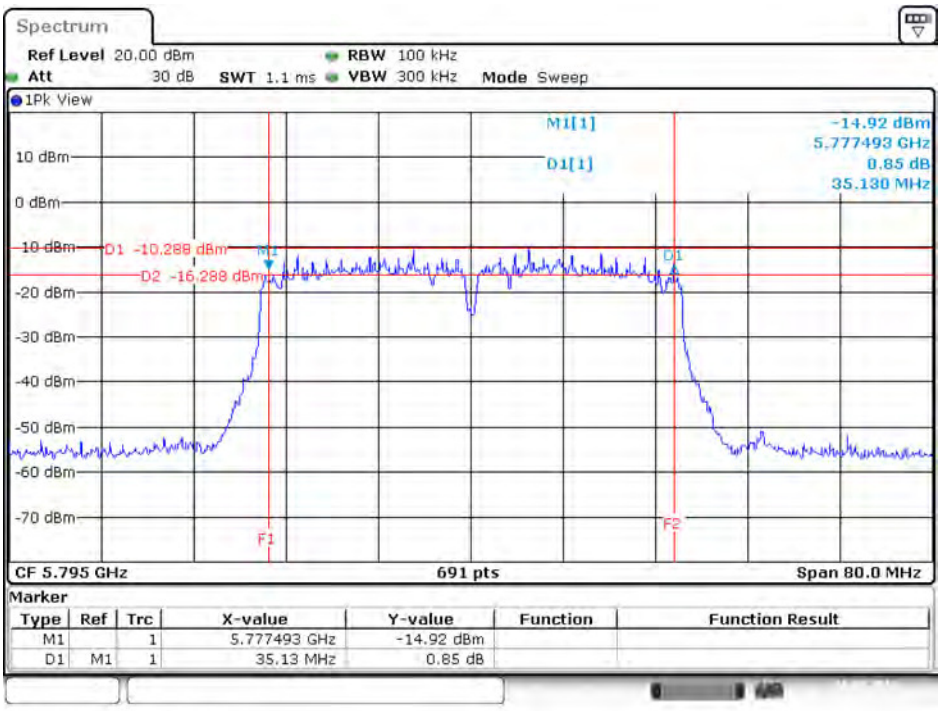

Date: 26.MAY.2016 10:53:56

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 2 / 5795 MHz



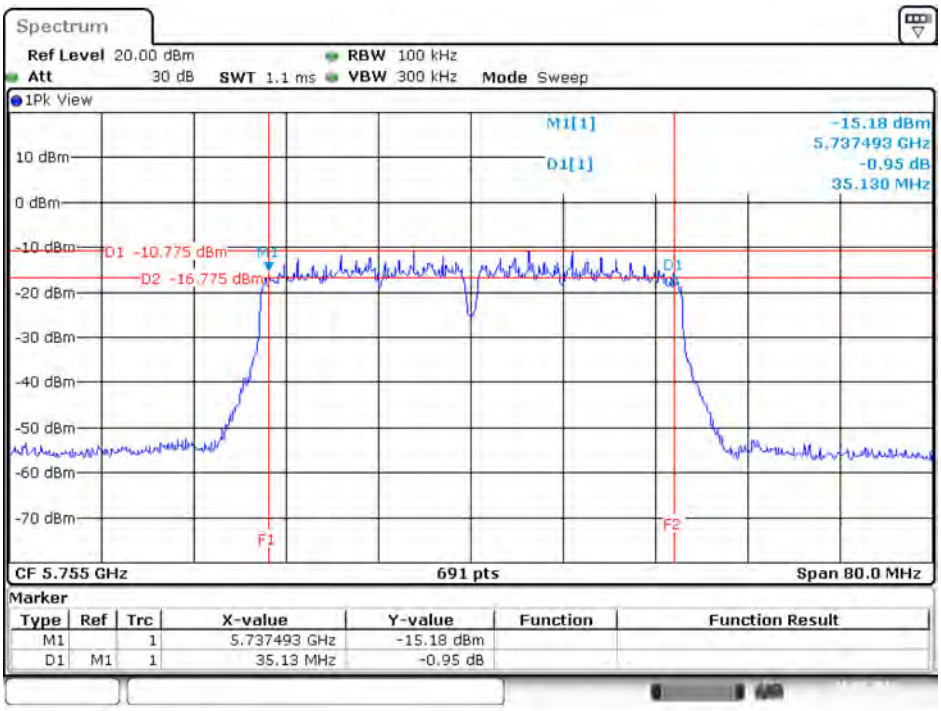

Date: 26.MAY.2016 10:54:10

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 3 / 5795 MHz



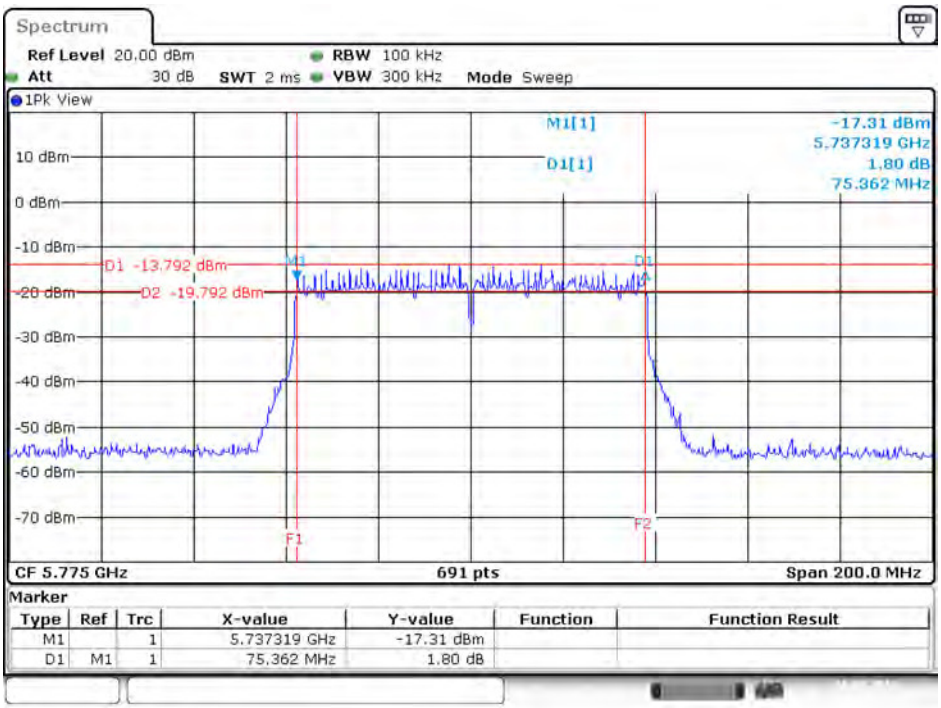

Date: 26.MAY.2016 10:54:22

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 4 / 5755 MHz



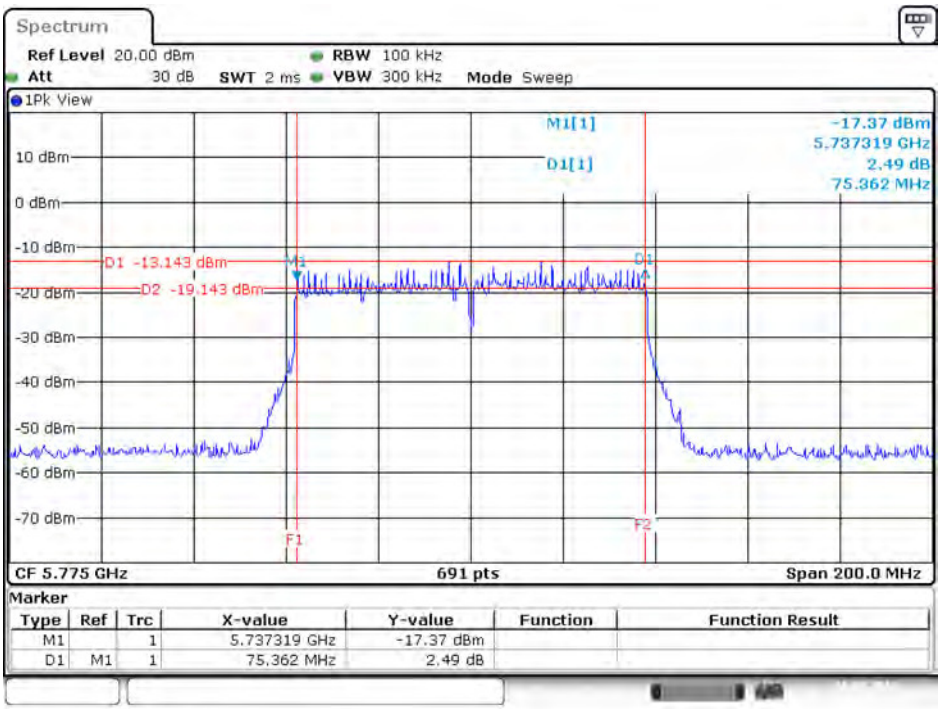

Date: 26.MAY.2016 10:53:17

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 / 5775 MHz



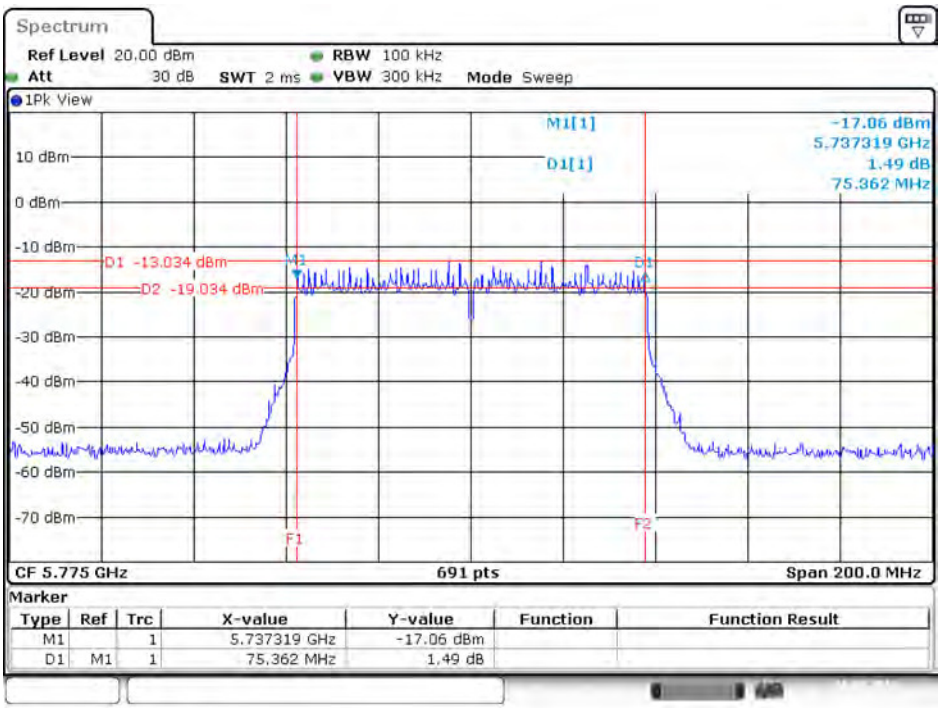

Date: 26.MAY.2016 10:56:28

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 2 / 5775 MHz



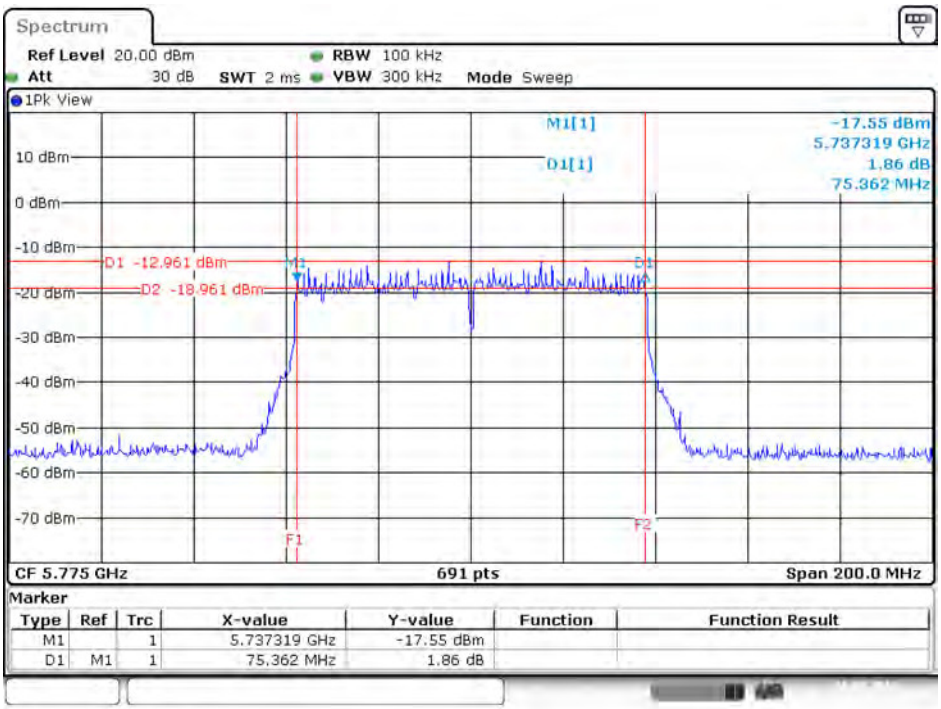

Date: 26.MAY.2016 10:56:42

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 3 / 5775 MHz



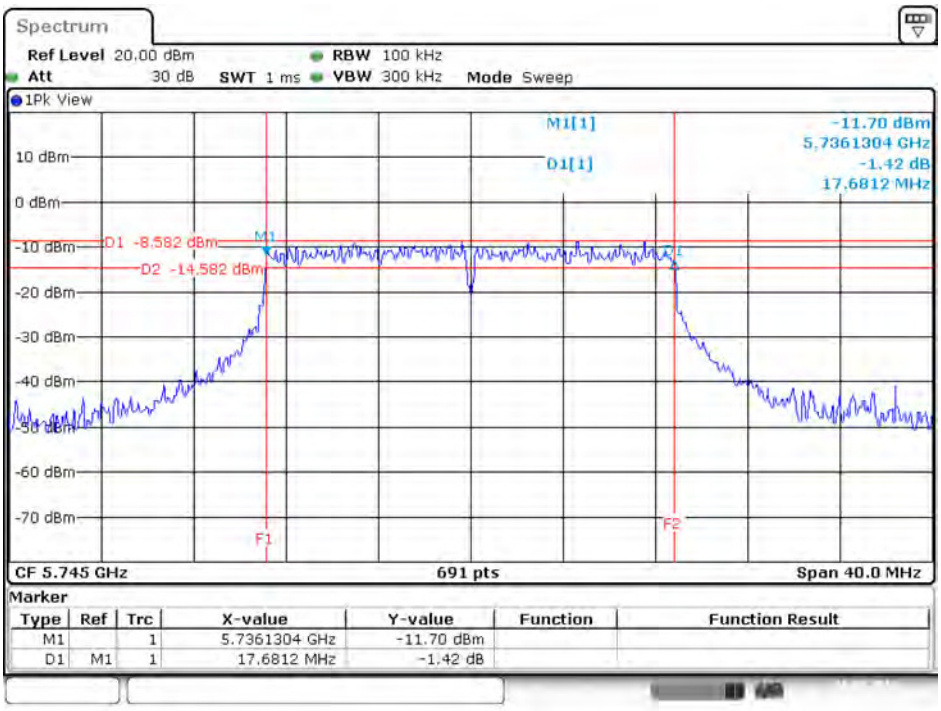

Date: 26.MAY.2016 10:56:55

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 4 / 5775 MHz



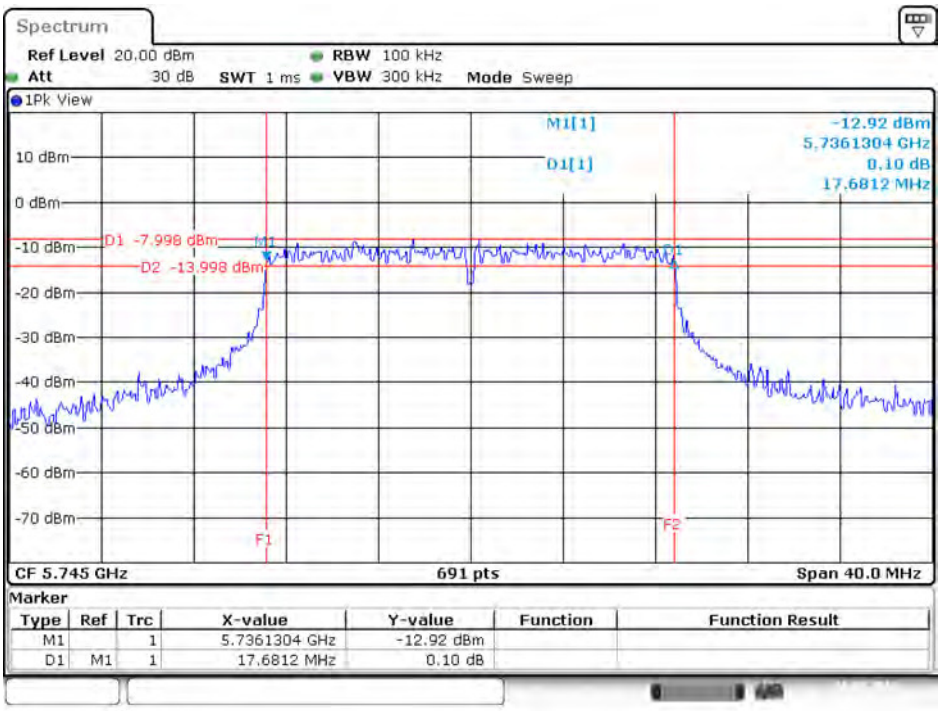

Date: 26.MAY.2016 10:57:13

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 / 5745 MHz



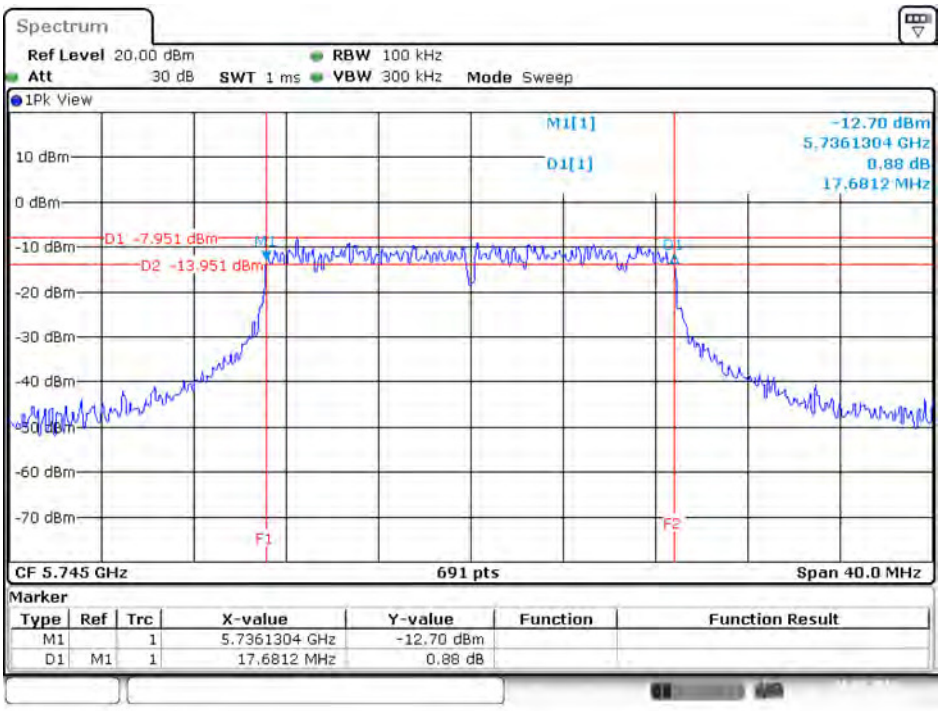

Date: 26.MAY.2016 13:44:10

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 2 / 5745 MHz



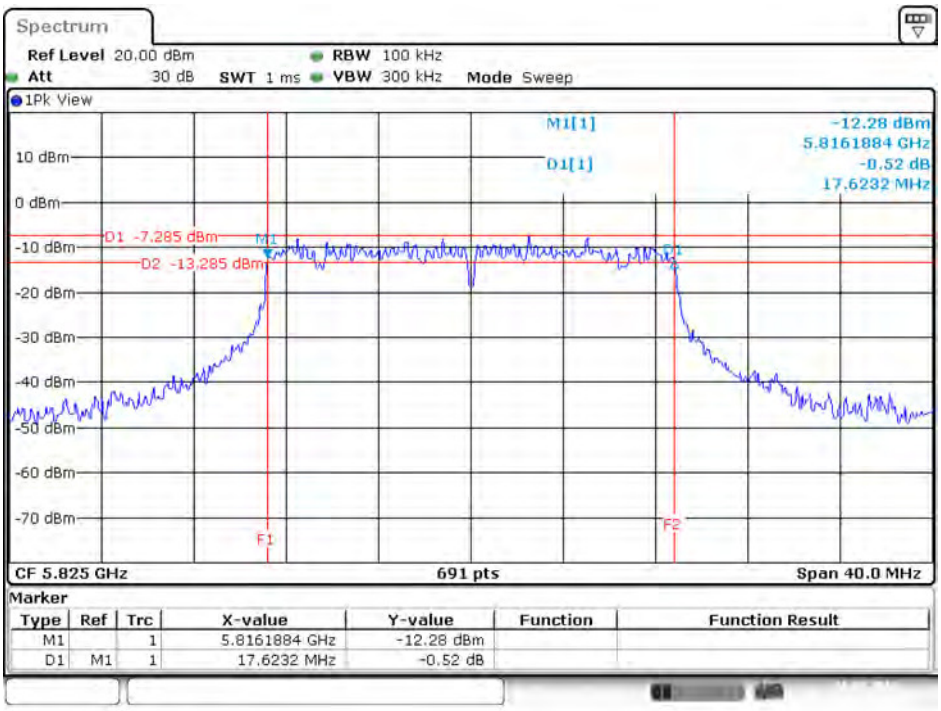

Date: 26.MAY.2016 13:44:48

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 3 / 5745 MHz



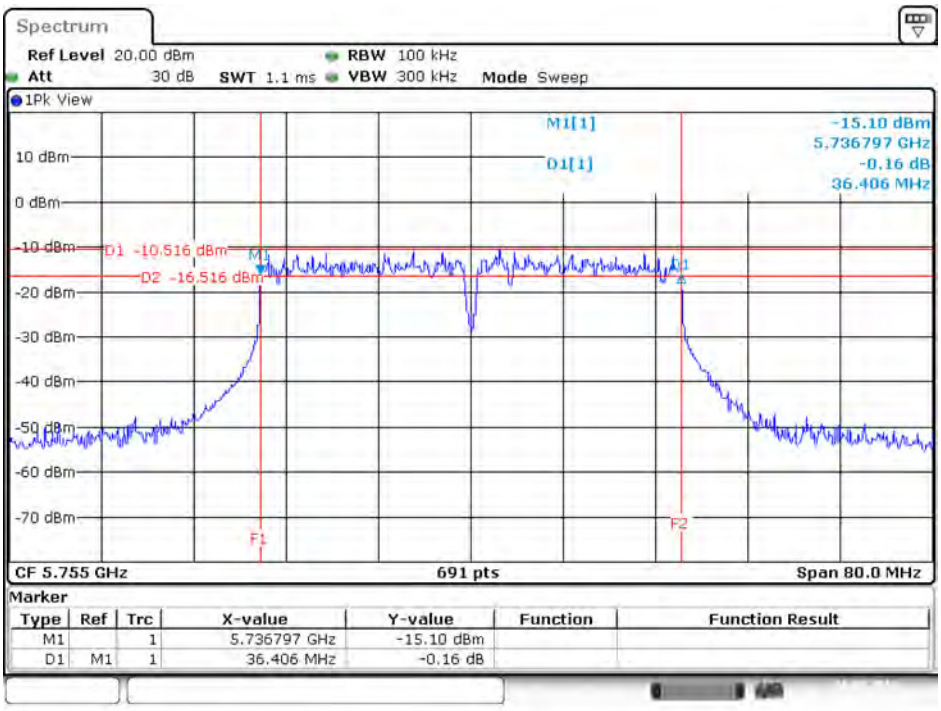

Date: 26.MAY.2016 13:45:22

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 4 / 5825 MHz



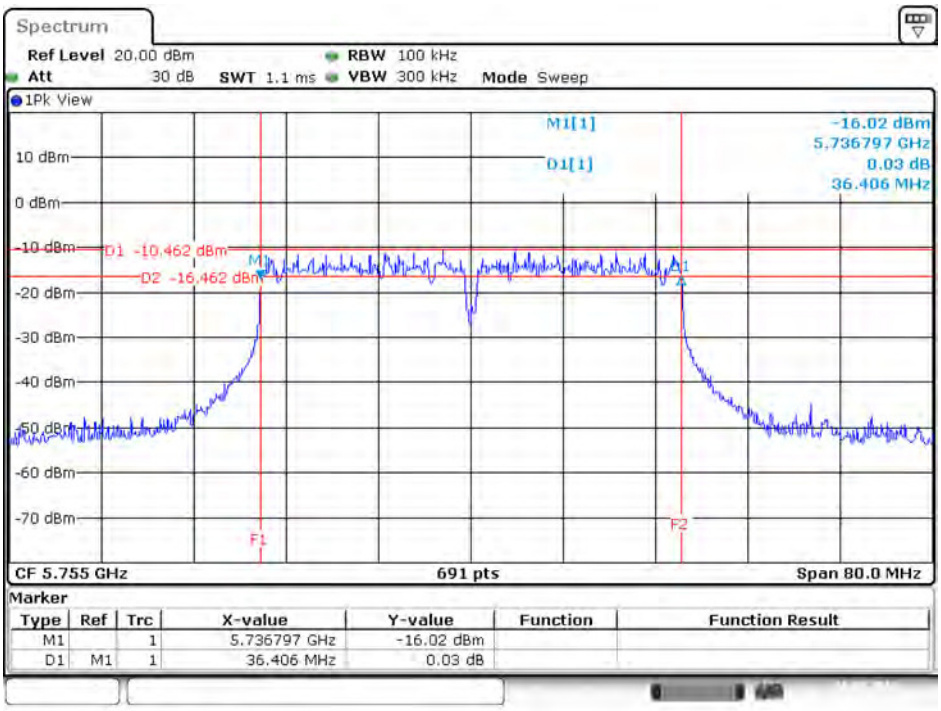

Date: 26.MAY.2016 13:51:10

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 / 5755 MHz



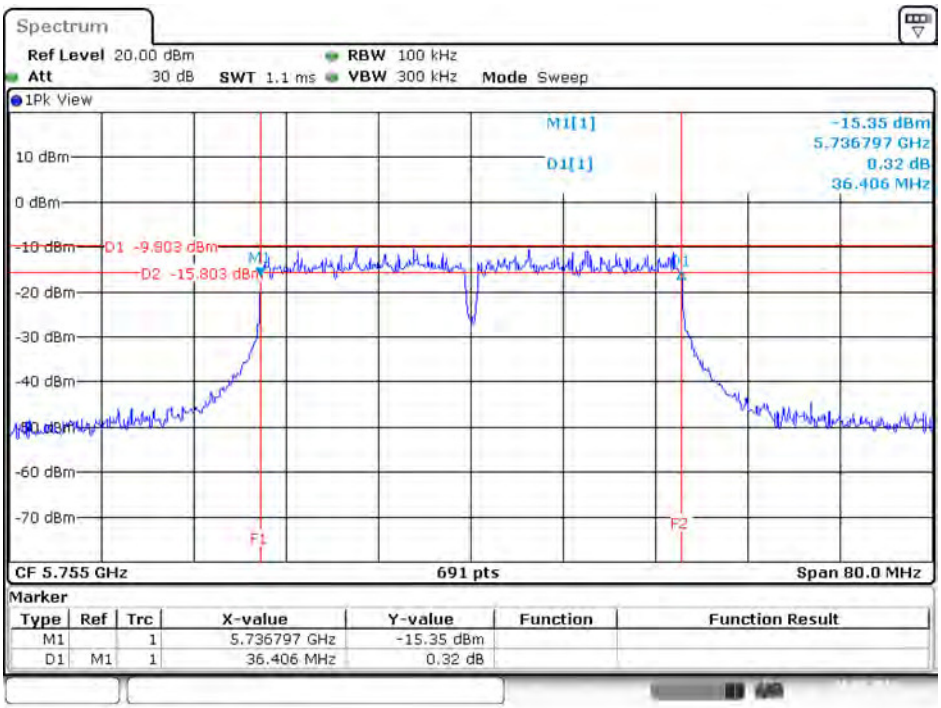

Date: 26.MAY.2016 13:53:07

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 2 / 5755 MHz



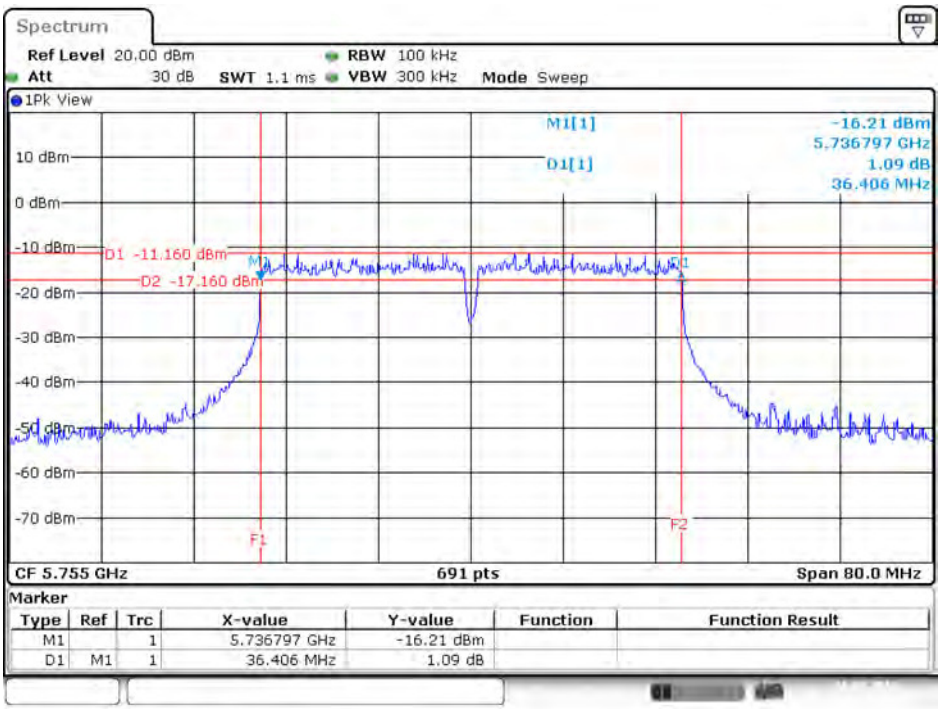

Date: 26.MAY.2016 13:53:48

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 3 / 5755 MHz



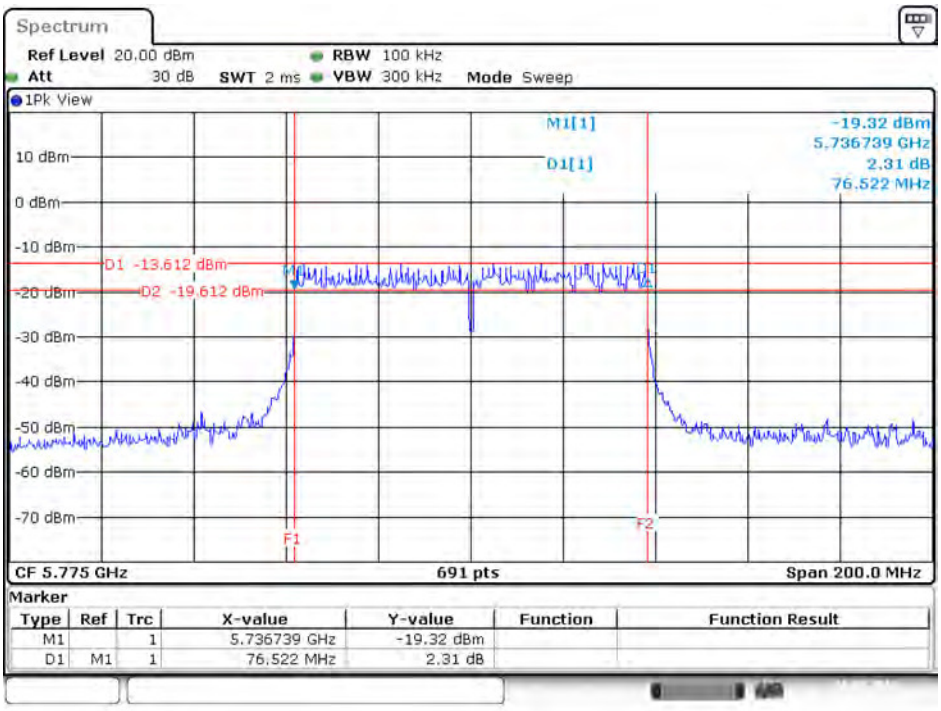

Date: 26.MAY.2016 13:54:04

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 4 / 5755 MHz



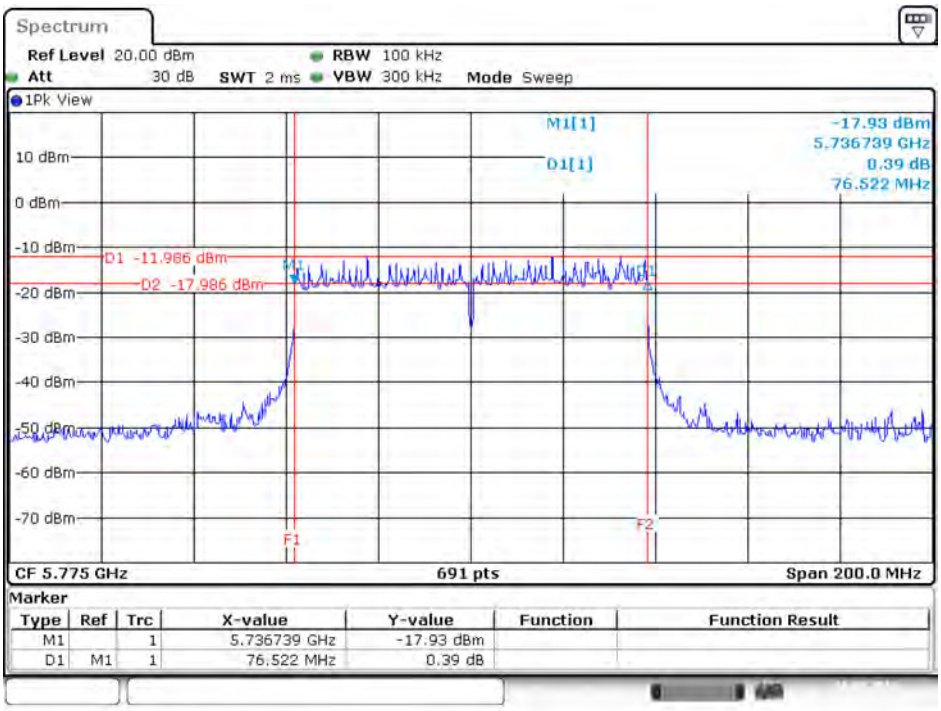

Date: 26.MAY.2016 13:54:22

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 / 5775 MHz



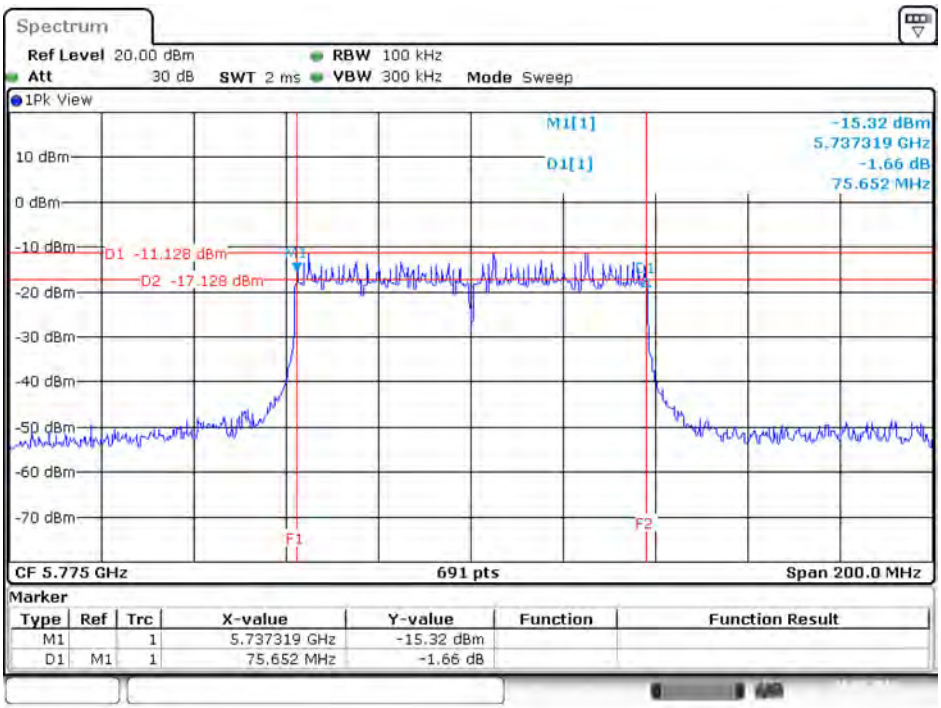

Date: 26.MAY.2016 13:58:09

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 2 / 5775 MHz



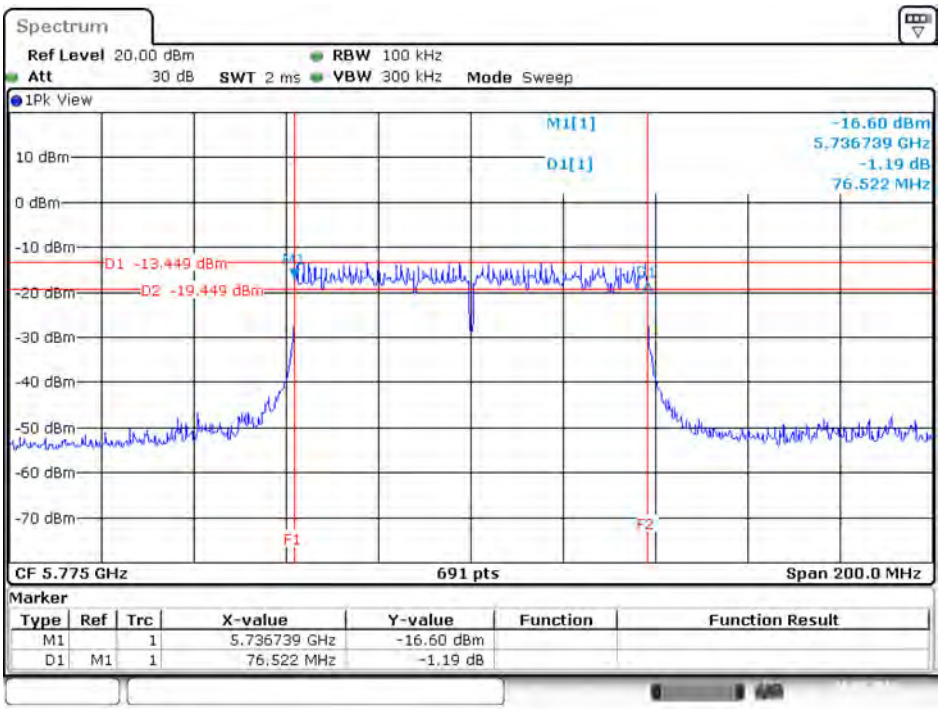

Date: 26.MAY.2016 13:58:32

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 3 / 5775 MHz




Date: 26.MAY.2016 13:58:48

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 4 / 5775 MHz

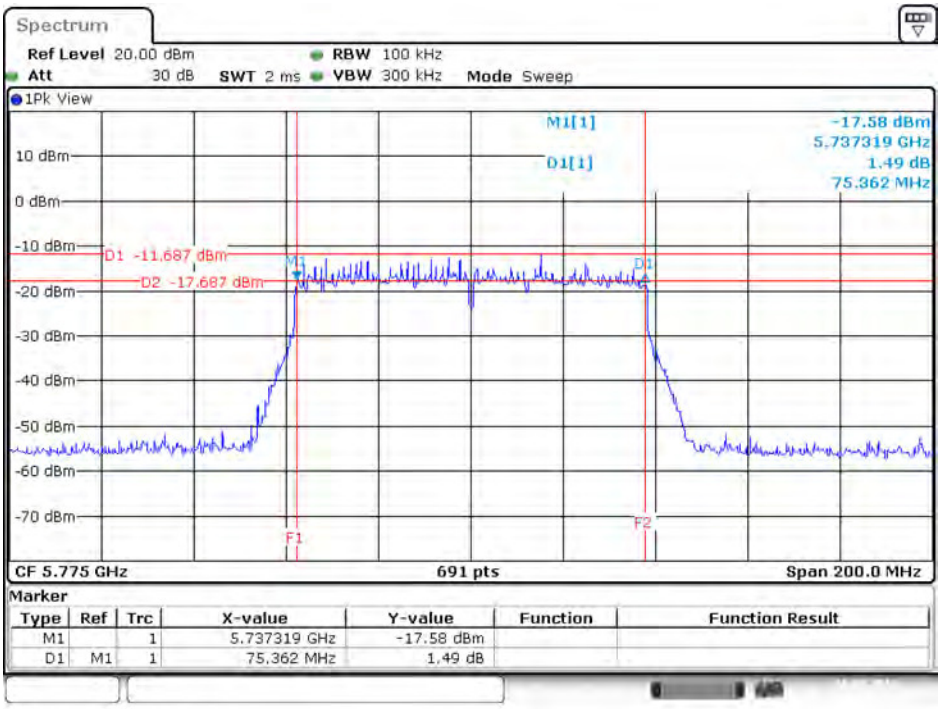



Date: 26.MAY.2016 13:59:10

## For 802.11ac MCS0/Nss2 VHT80+80 Mode

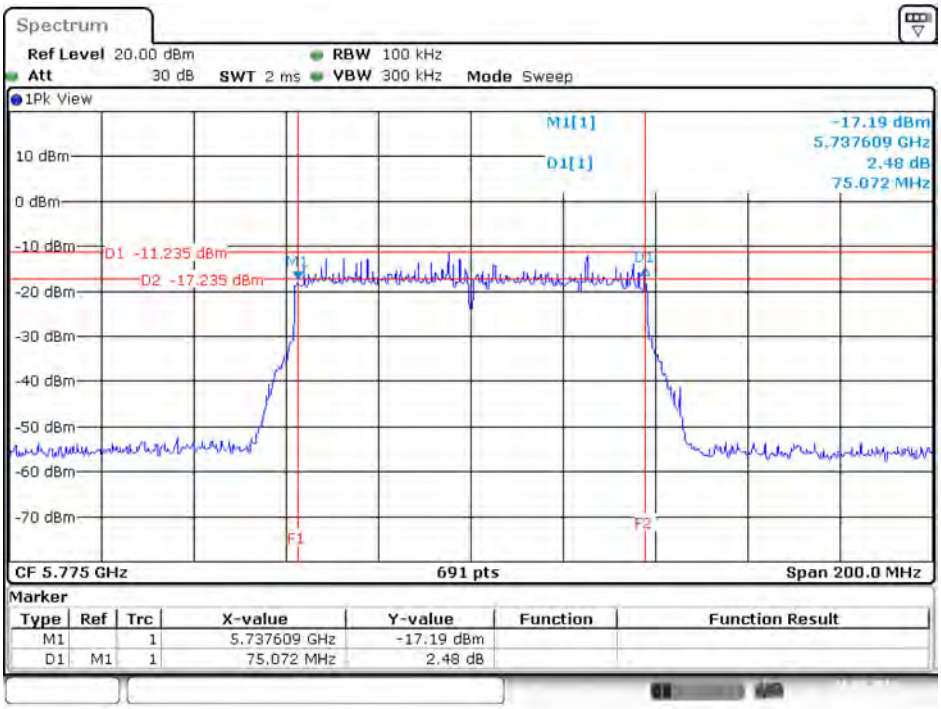
### Type 1

### 6 dB Bandwidth Plot on Chain 3 / 5775 MHz




Date: 26.MAY.2016 20:54:05

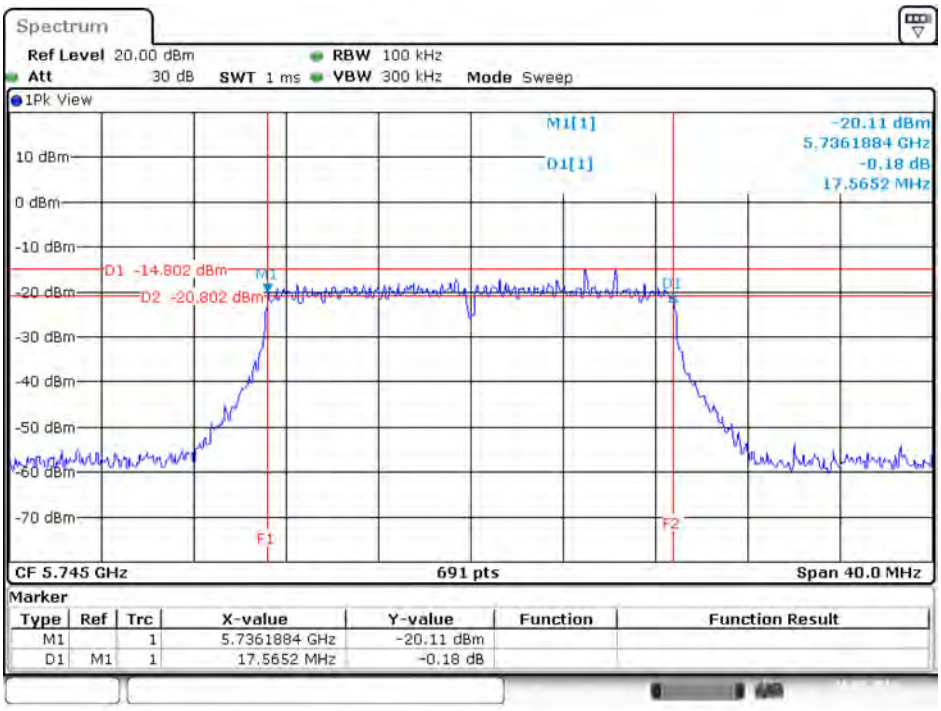
### 6 dB Bandwidth Plot on Chain 4 / 5775 MHz




Date: 26.MAY.2016 20:54:23

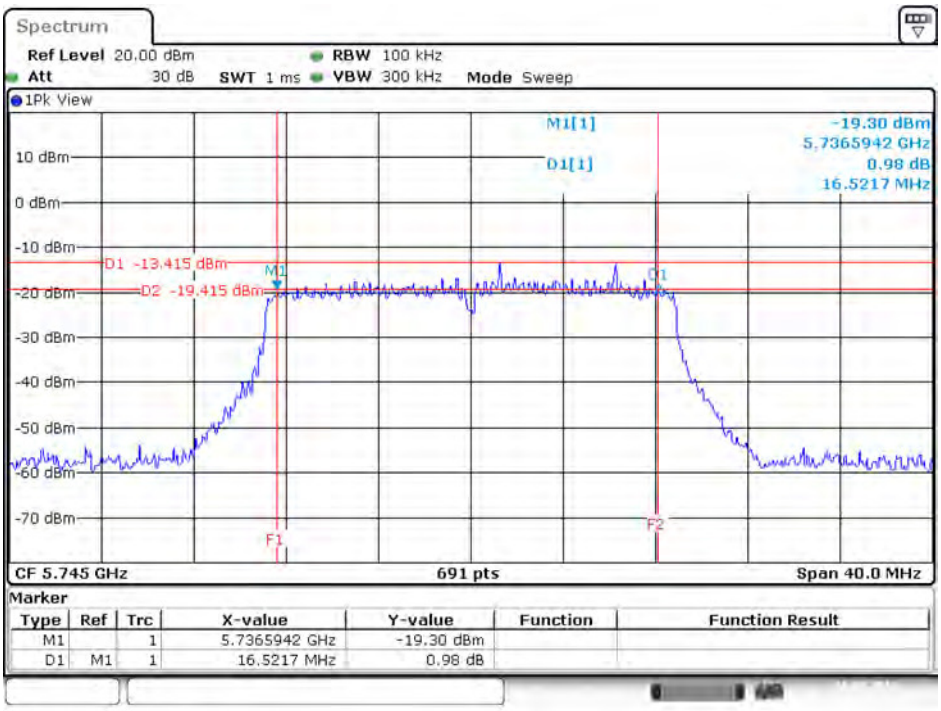
**For Mode 4:**

**6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5745 MHz**



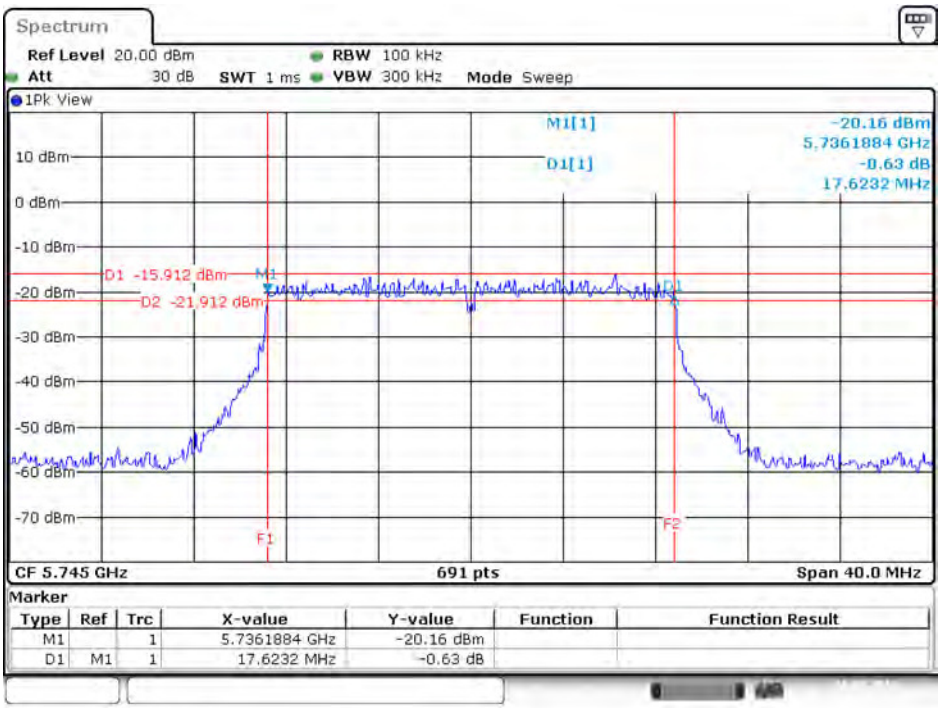

Date: 26.MAY.2016 10:13:20

**6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5745 MHz**



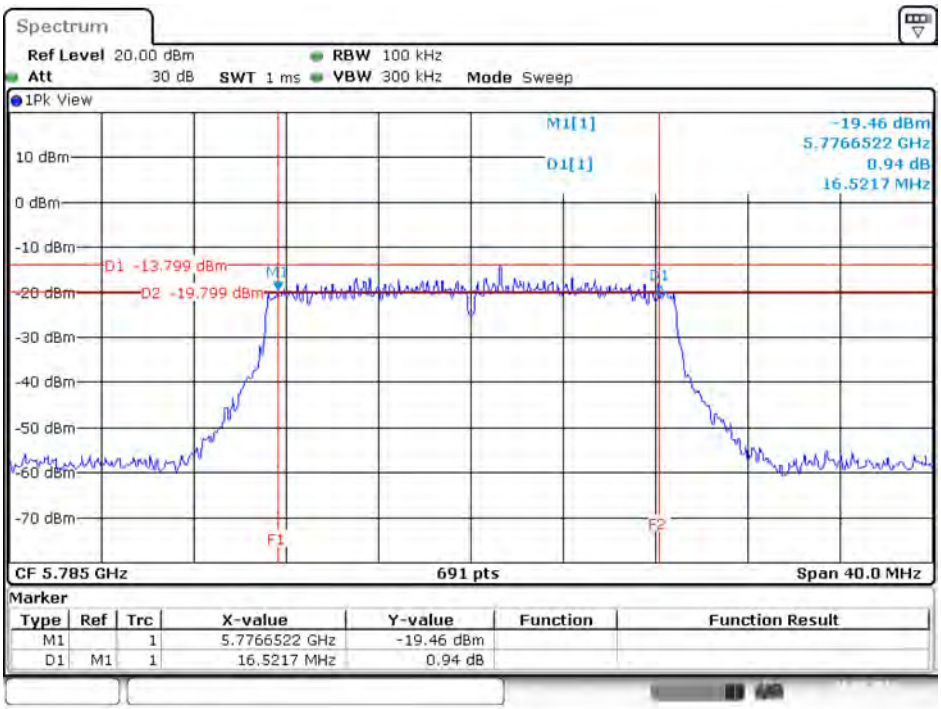

Date: 26.MAY.2016 10:13:36

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 3 / 5745 MHz



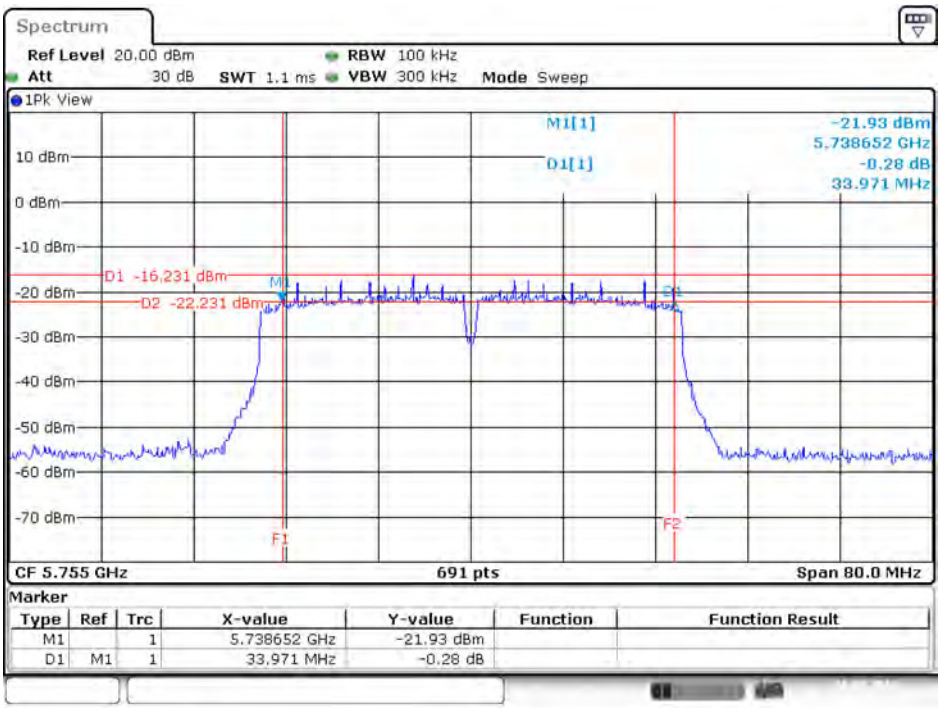

Date: 26.MAY.2016 10:13:50

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 4 / 5785 MHz



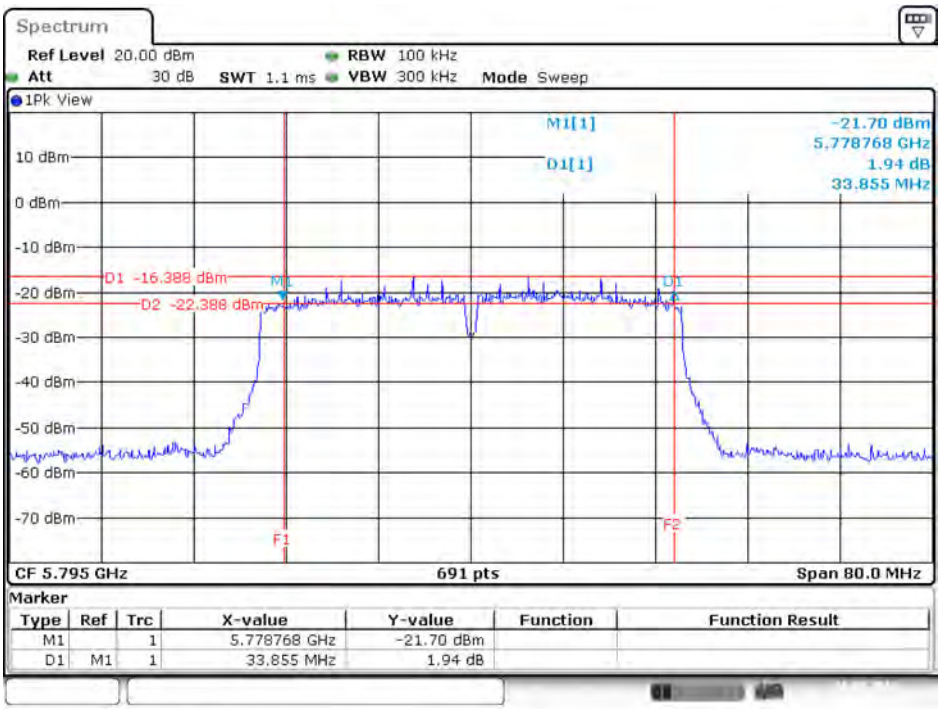

Date: 26.MAY.2016 10:15:22

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5755 MHz



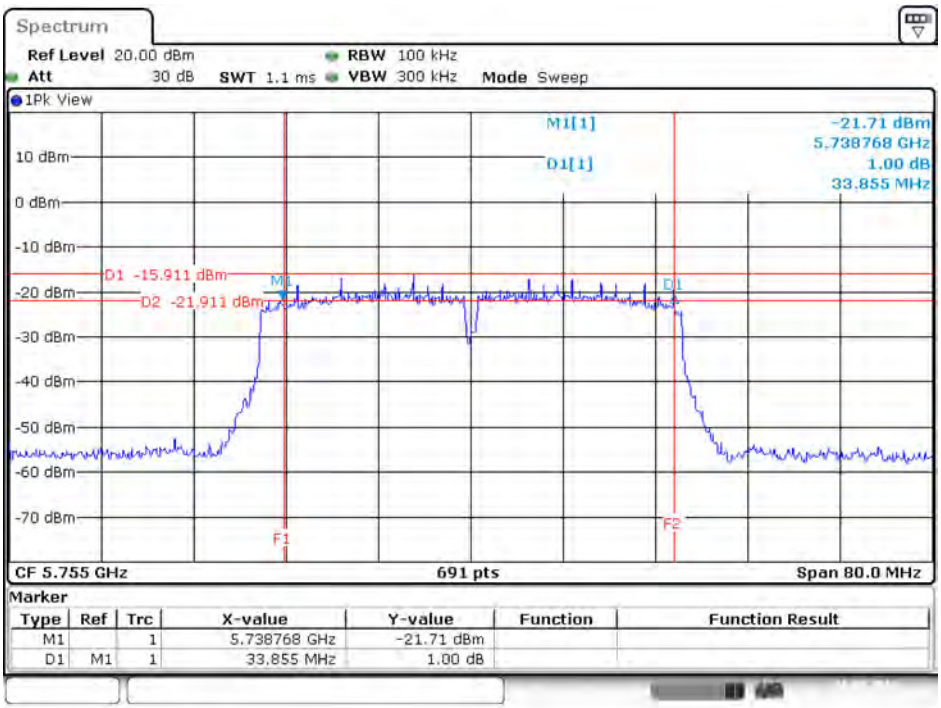

Date: 26.MAY.2016 10:18:12

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5795 MHz



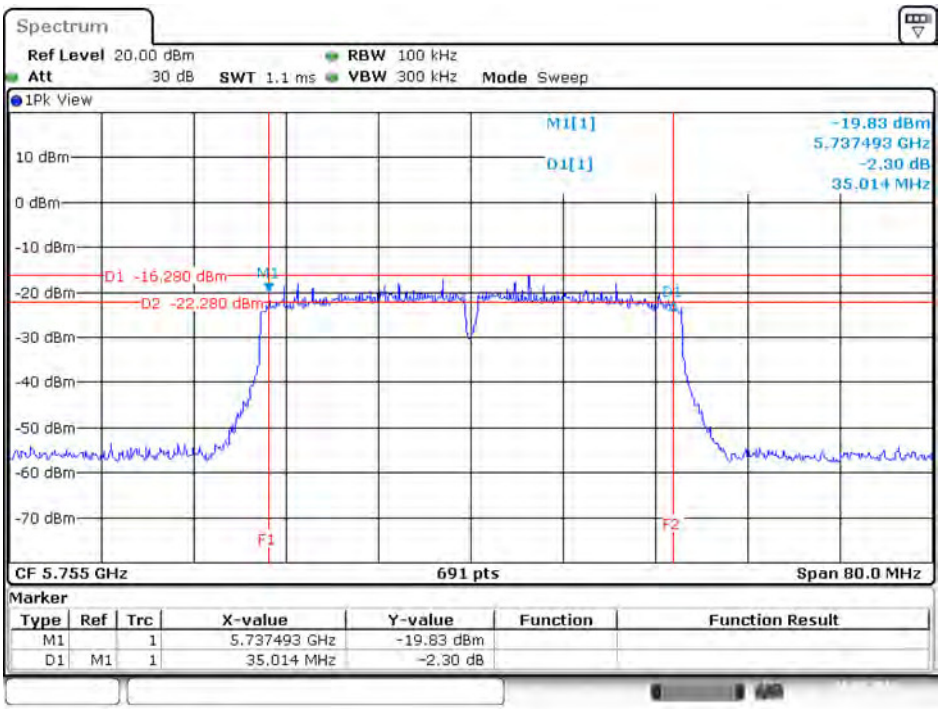

Date: 26.MAY.2016 10:20:15

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 3 / 5755 MHz



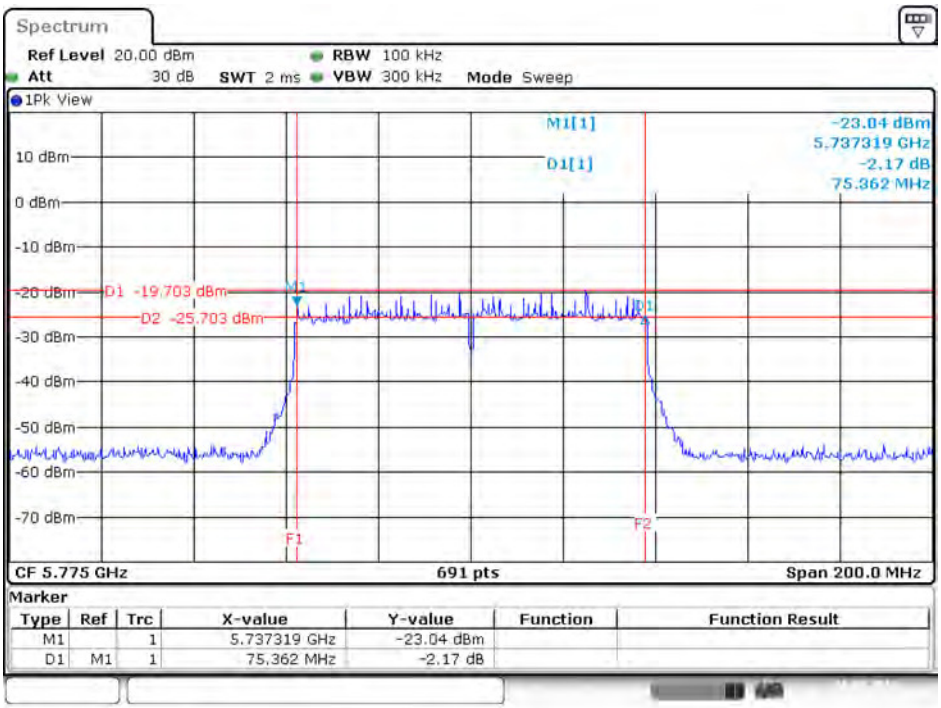

Date: 26.MAY.2016 10:18:48

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 4 / 5755 MHz



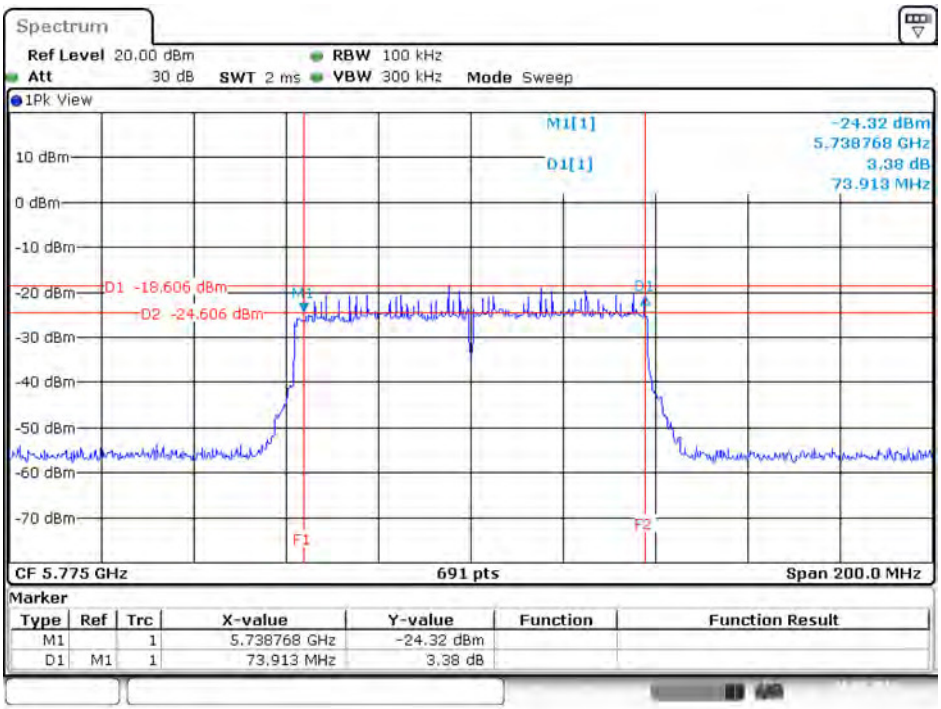

Date: 26.MAY.2016 10:19:18

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5775 MHz



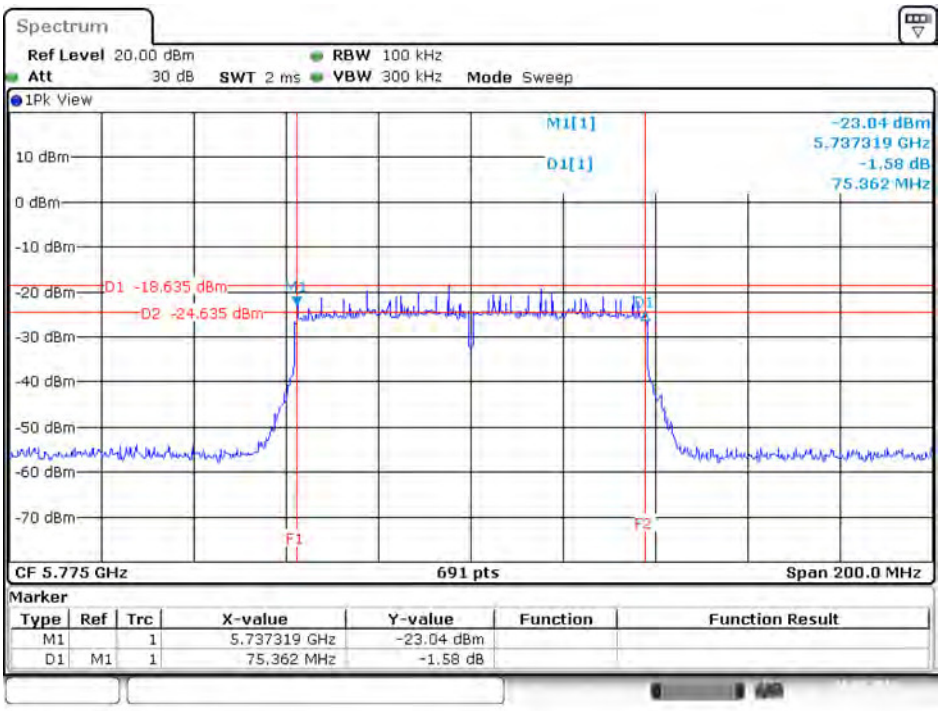

Date: 26.MAY.2016 10:22:07

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2 / 5775 MHz



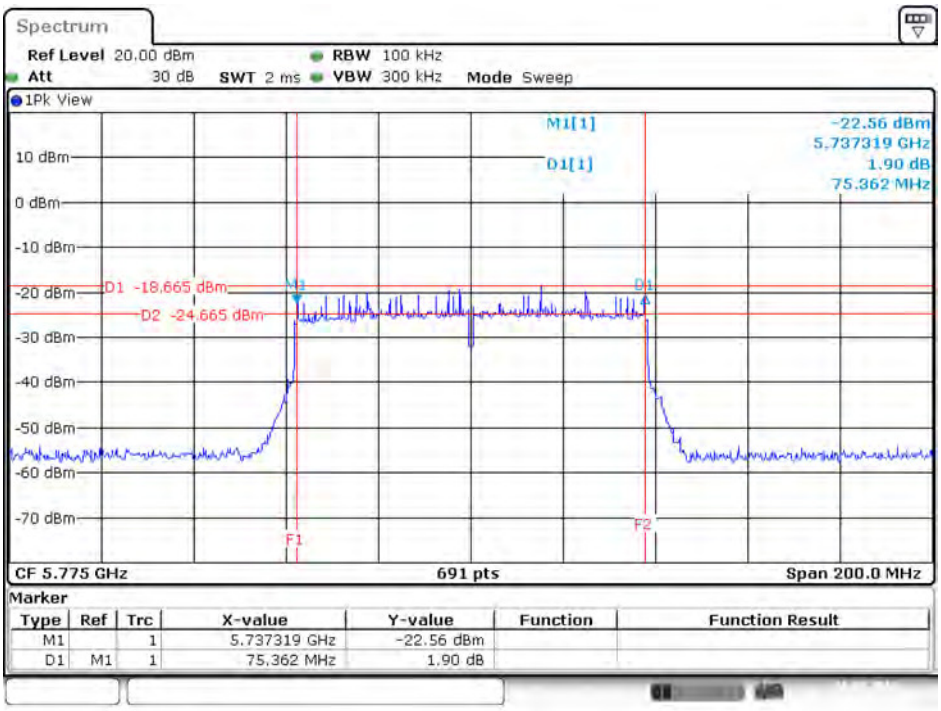

Date: 26.MAY.2016 10:22:21

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 3 / 5775 MHz



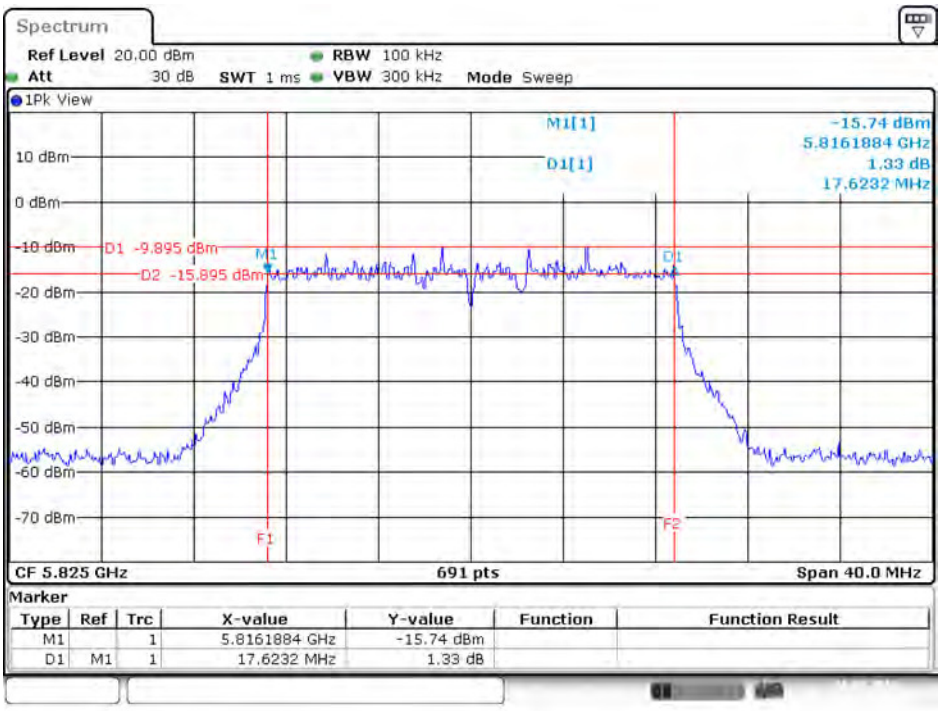

Date: 26.MAY.2016 10:22:34

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 4 / 5775 MHz



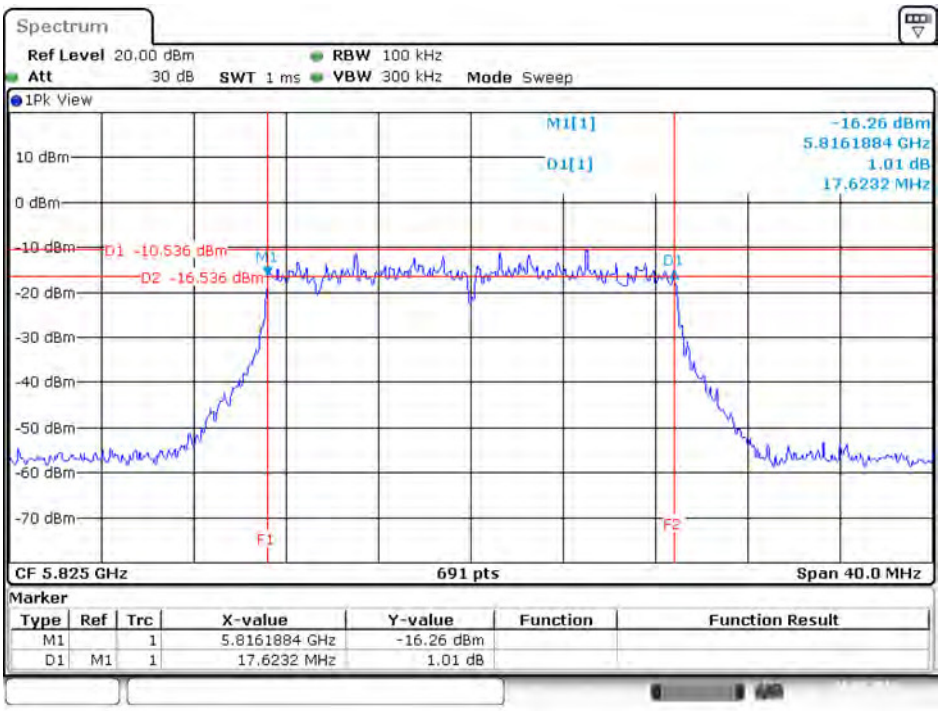

Date: 26.MAY.2016 10:22:48

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 / 5825 MHz



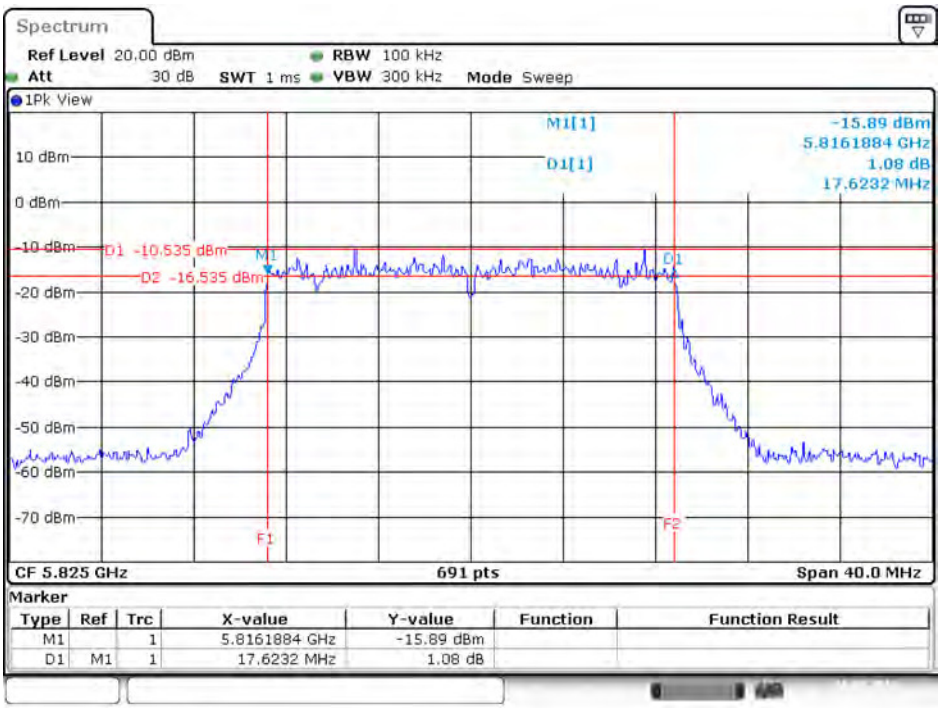

Date: 26.MAY.2016 11:14:58

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 2 / 5825 MHz



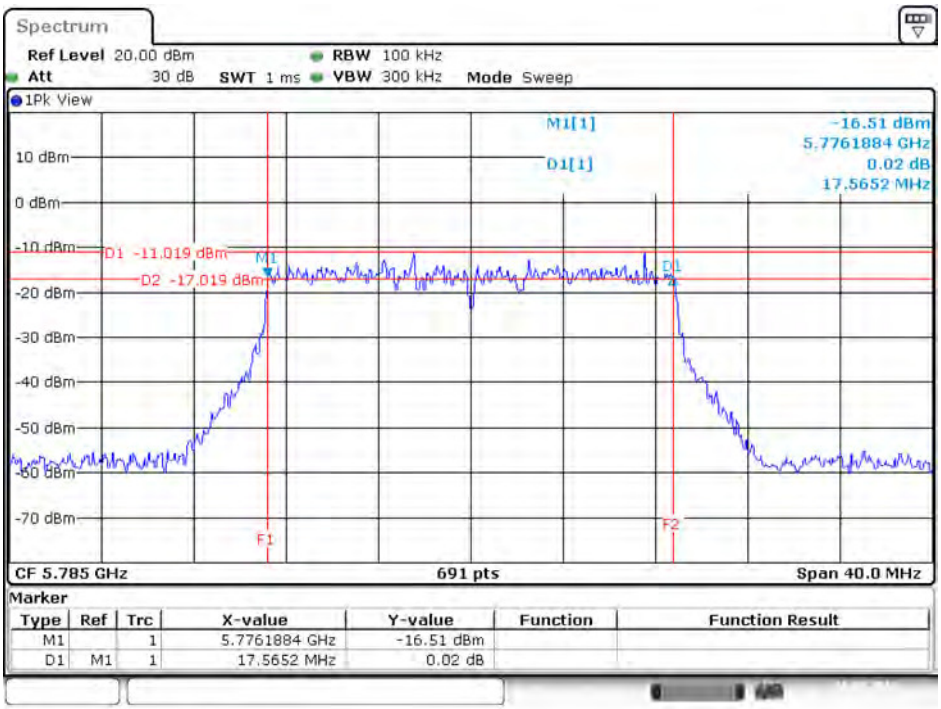

Date: 26.MAY.2016 11:15:21

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 3 / 5825 MHz



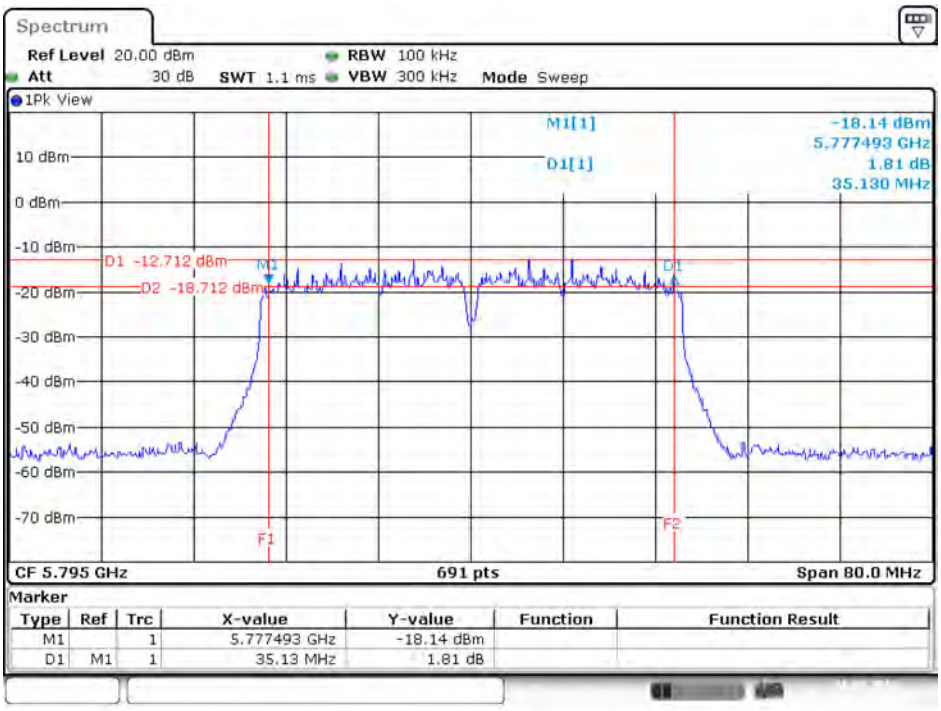

Date: 26.MAY.2016 11:15:35

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 4 / 5785 MHz



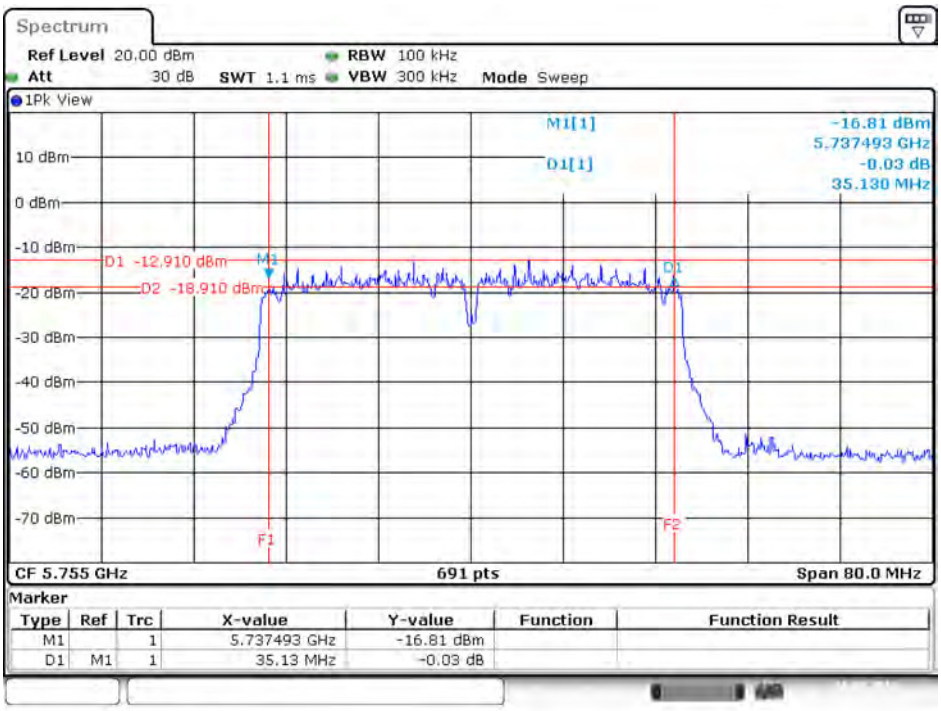

Date: 26.MAY.2016 11:14:14

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 / 5795 MHz



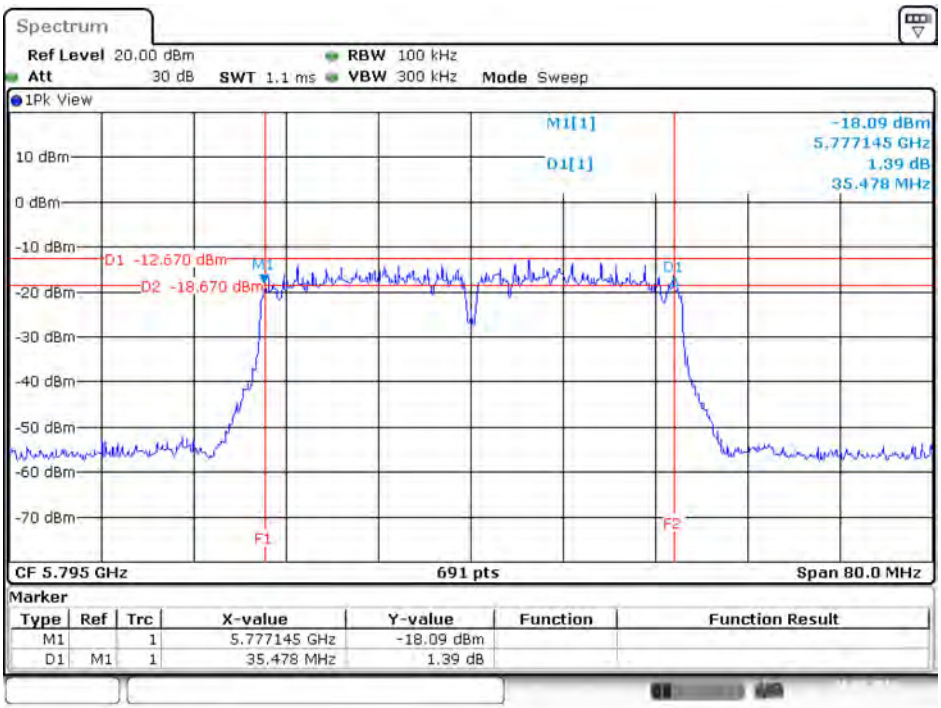

Date: 26.MAY.2016 11:18:28

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 2 / 5755 MHz



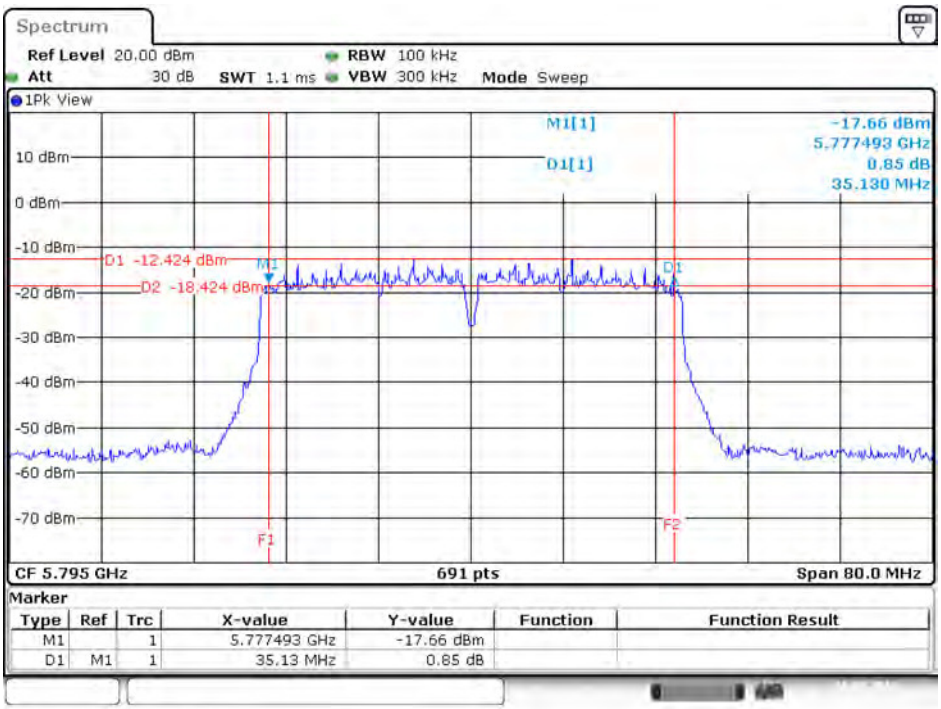

Date: 26.MAY.2016 11:17:22

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 3 / 5795 MHz



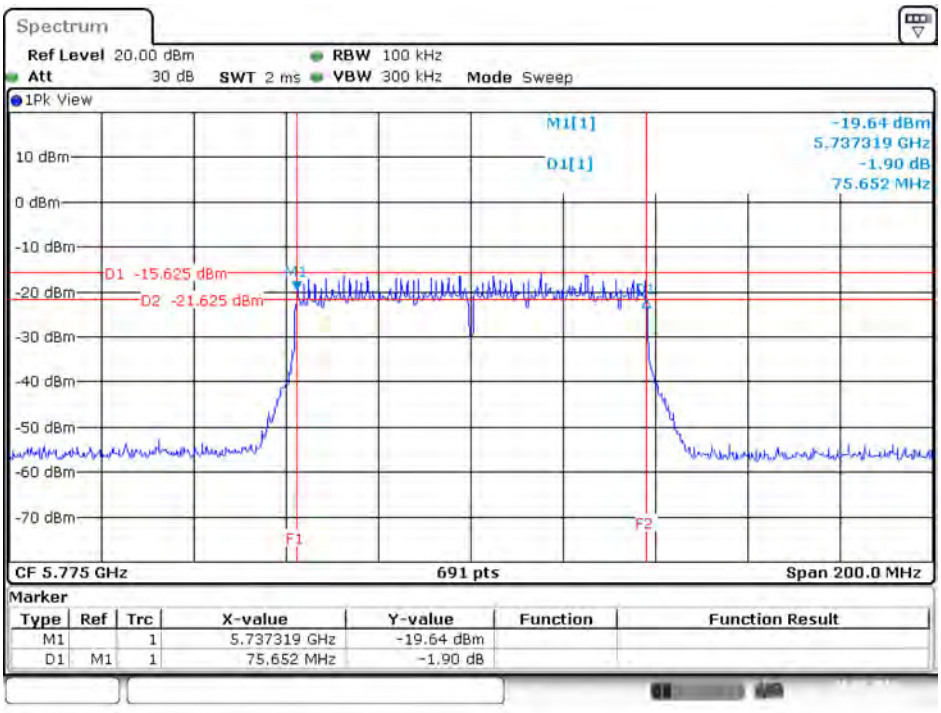

Date: 26.MAY.2016 11:18:57

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 4 / 5795 MHz



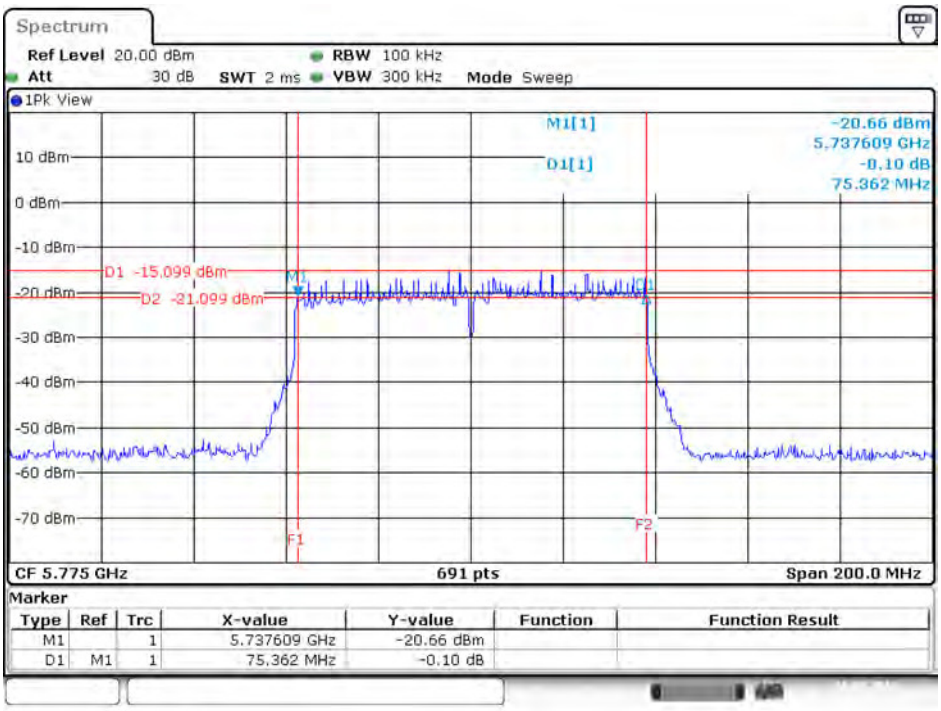

Date: 26.MAY.2016 11:19:12

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 / 5775 MHz



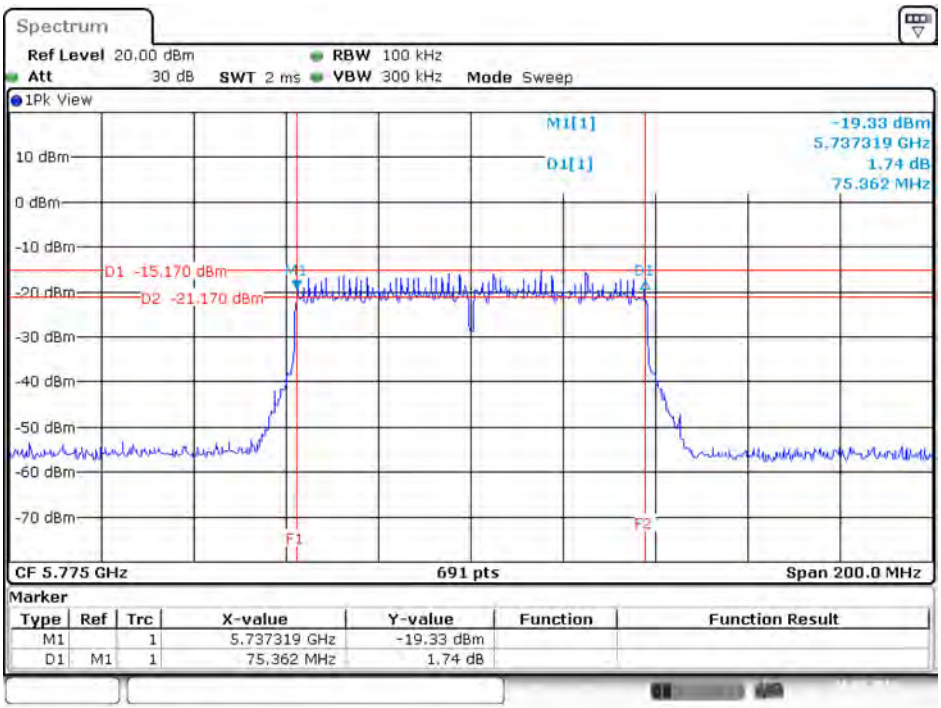

Date: 26.MAY.2016 11:20:01

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 2 / 5775 MHz



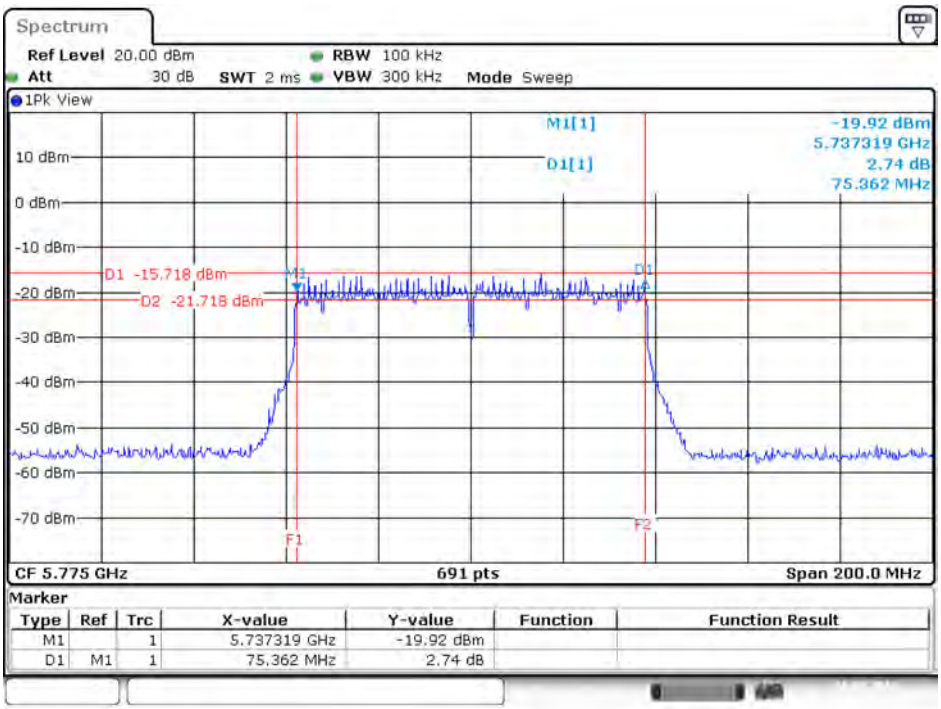

Date: 26.MAY.2016 11:20:19

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 3 / 5775 MHz



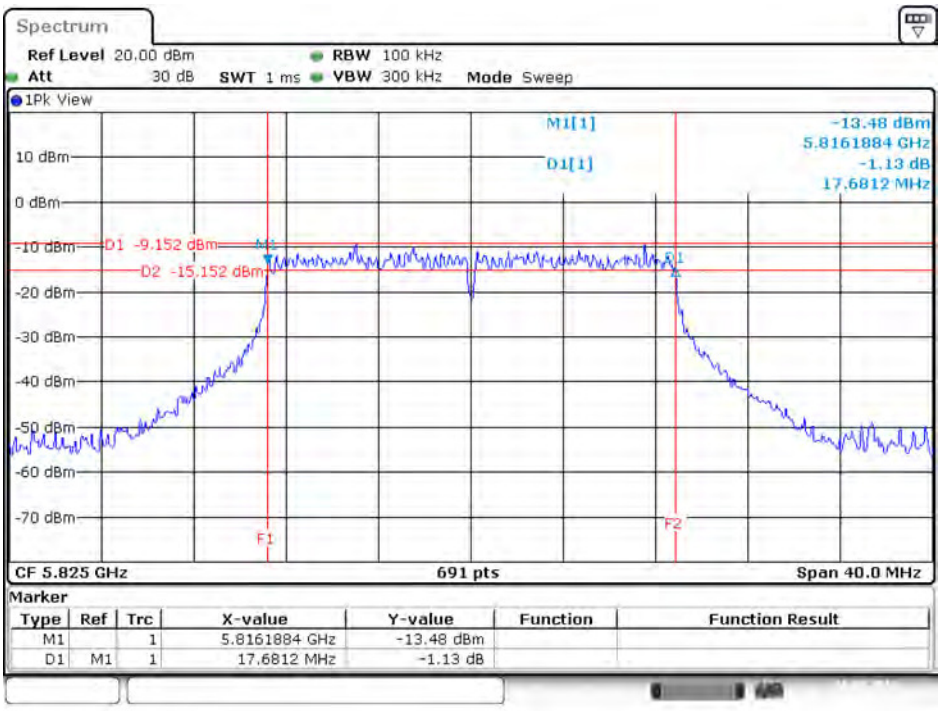

Date: 26.MAY.2016 11:20:32

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 4 / 5775 MHz



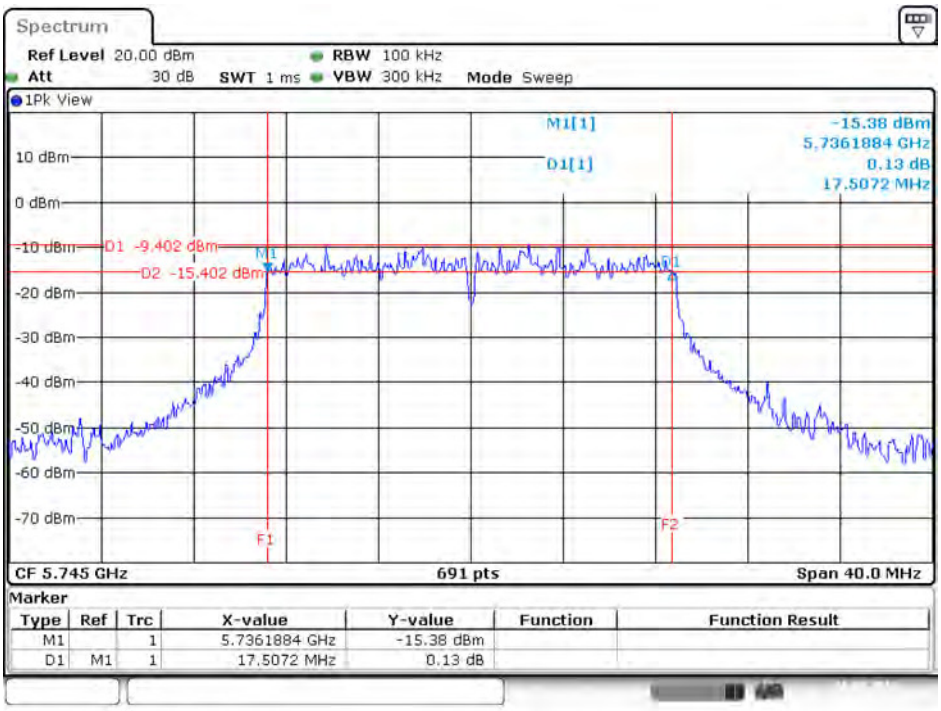

Date: 26.MAY.2016 11:20:49

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 / 5825 MHz



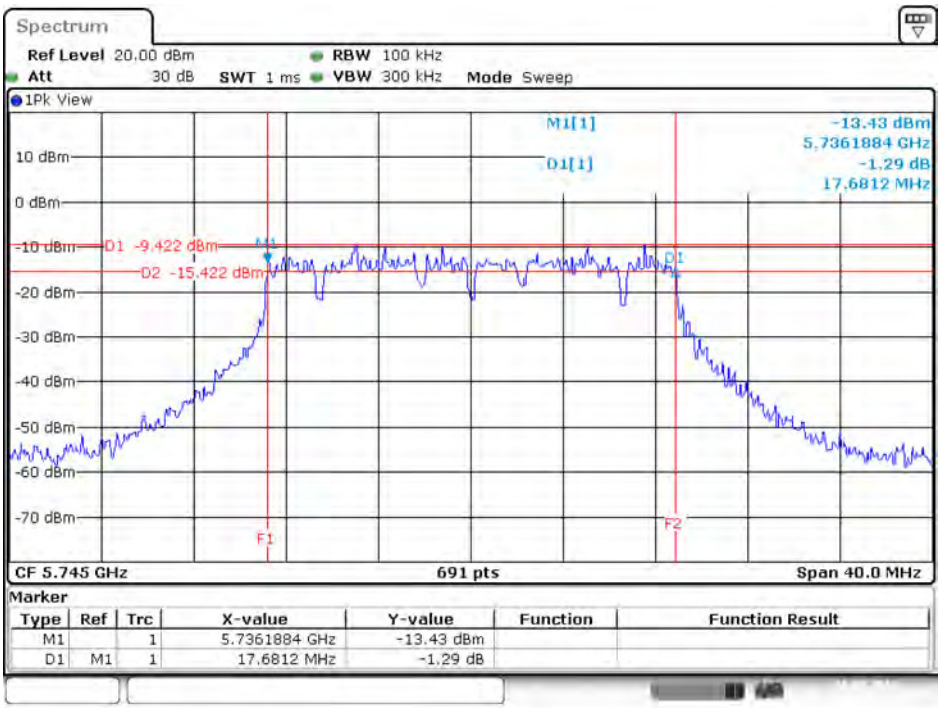

Date: 26.MAY.2016 14:06:06

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 2 / 5745 MHz



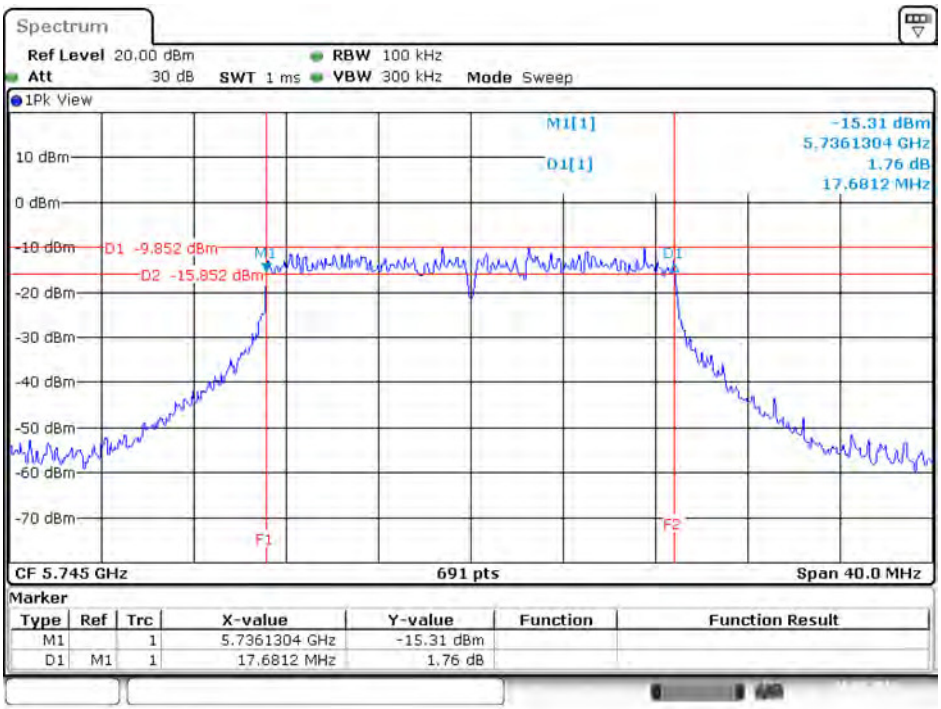

Date: 26.MAY.2016 14:01:31

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 3 / 5745 MHz



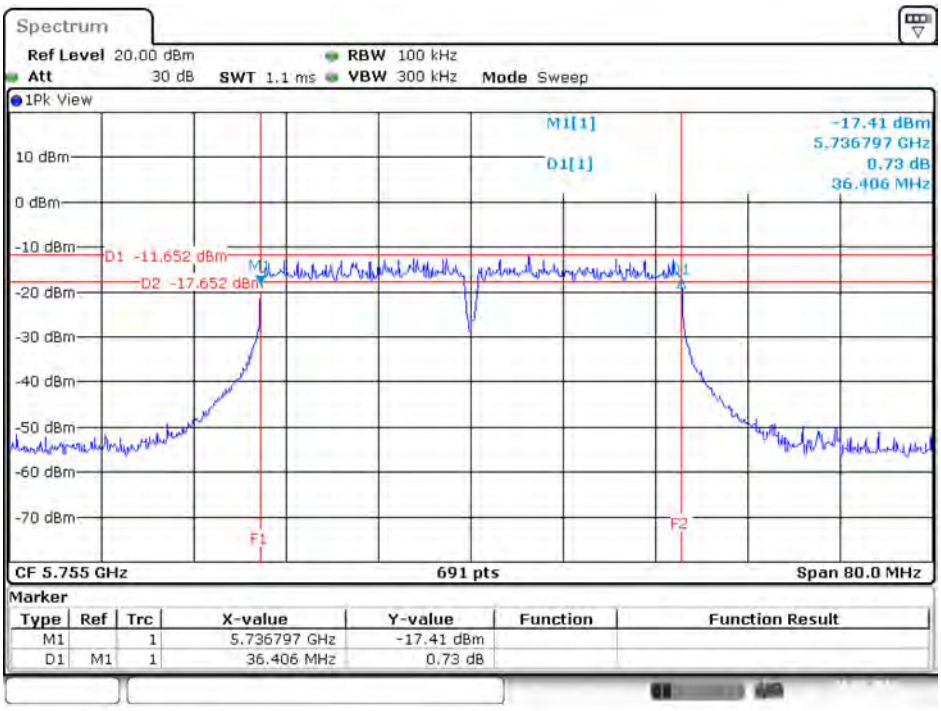

Date: 26.MAY.2016 14:02:46

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 4 / 5745 MHz



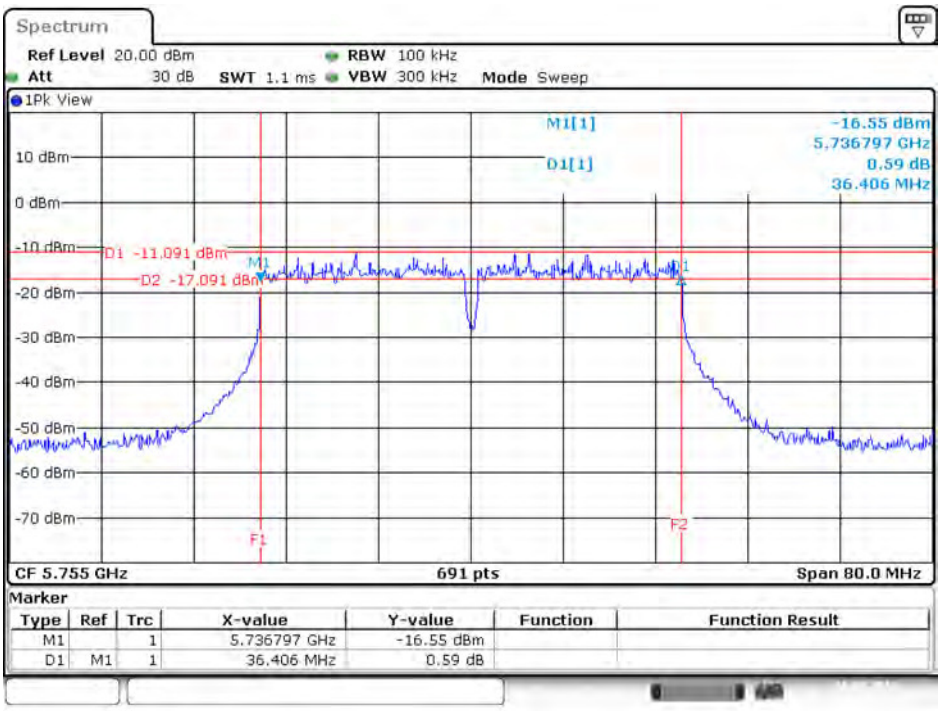

Date: 26.MAY.2016 14:03:00

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 / 5755 MHz



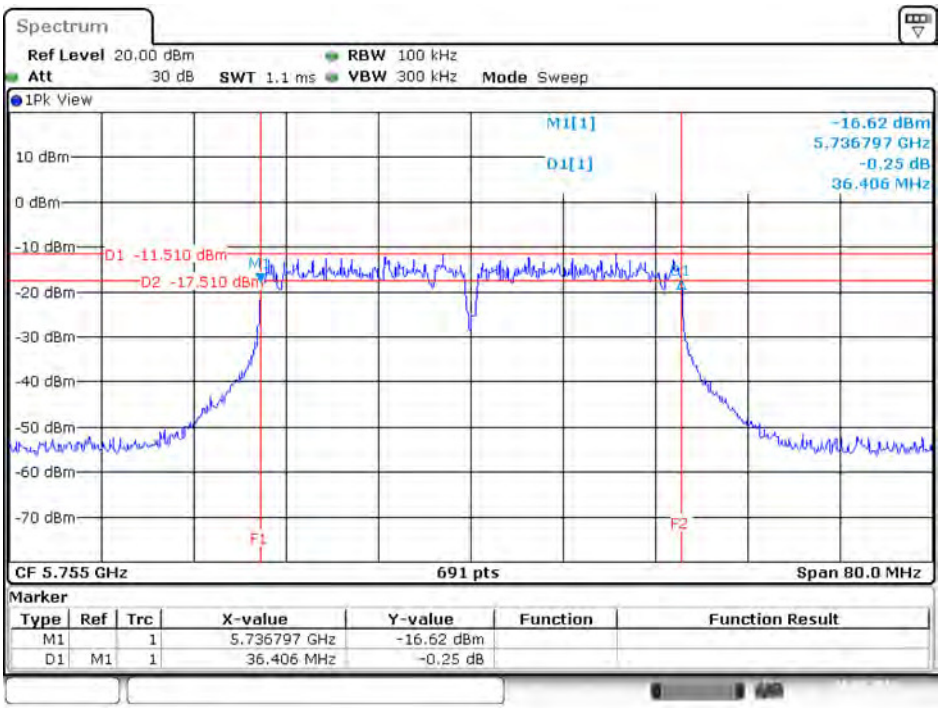

Date: 26.MAY.2016 14:08:14

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 2 / 5755 MHz



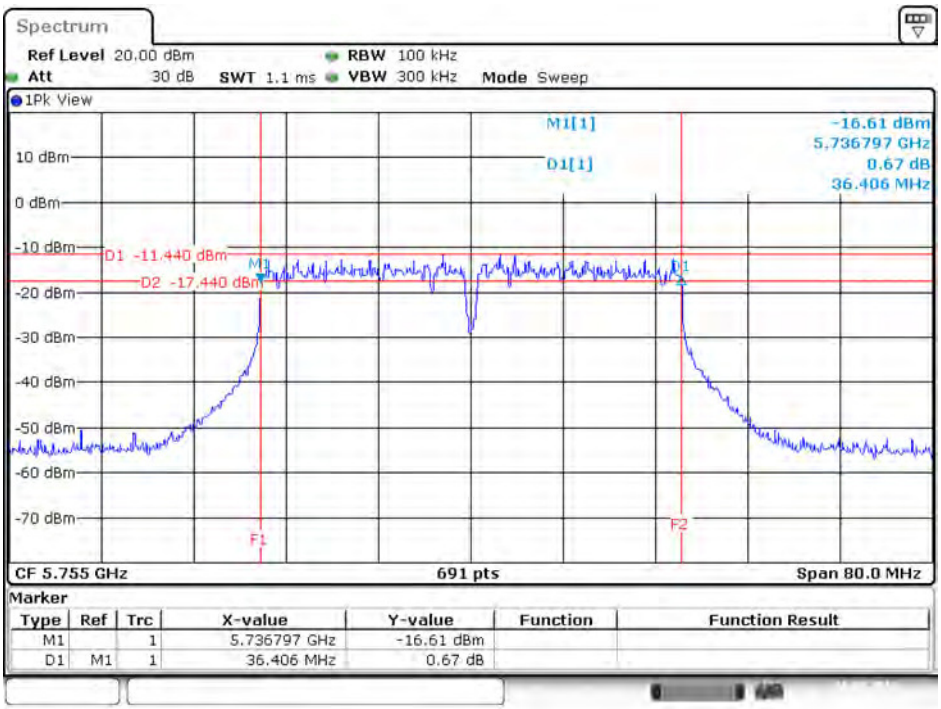

Date: 26.MAY.2016 14:08:36

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 3 / 5755 MHz



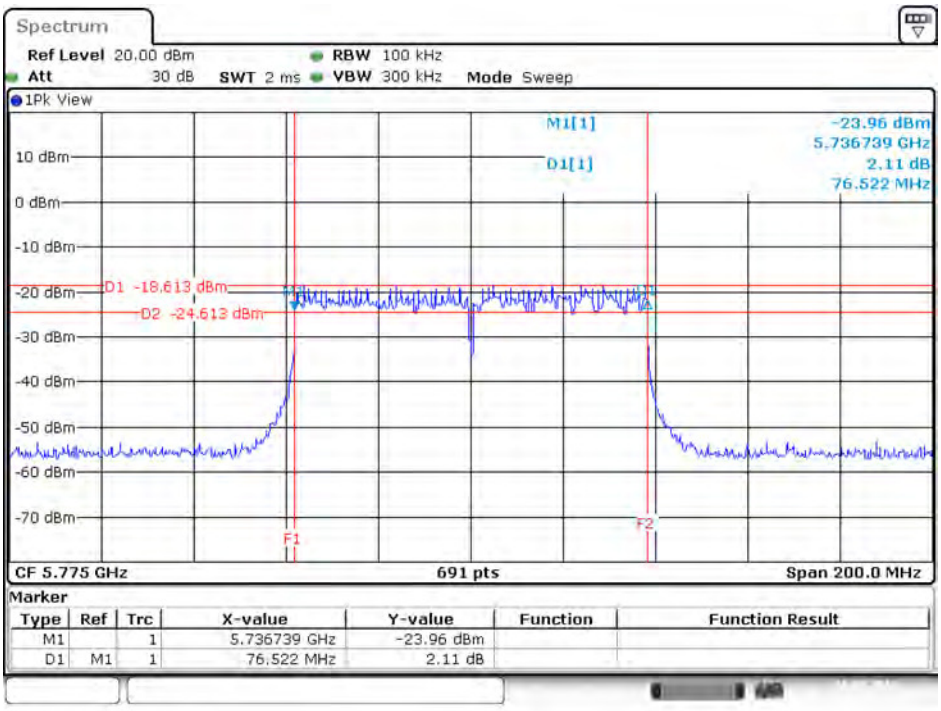

Date: 26.MAY.2016 14:08:51

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 4 / 5755 MHz



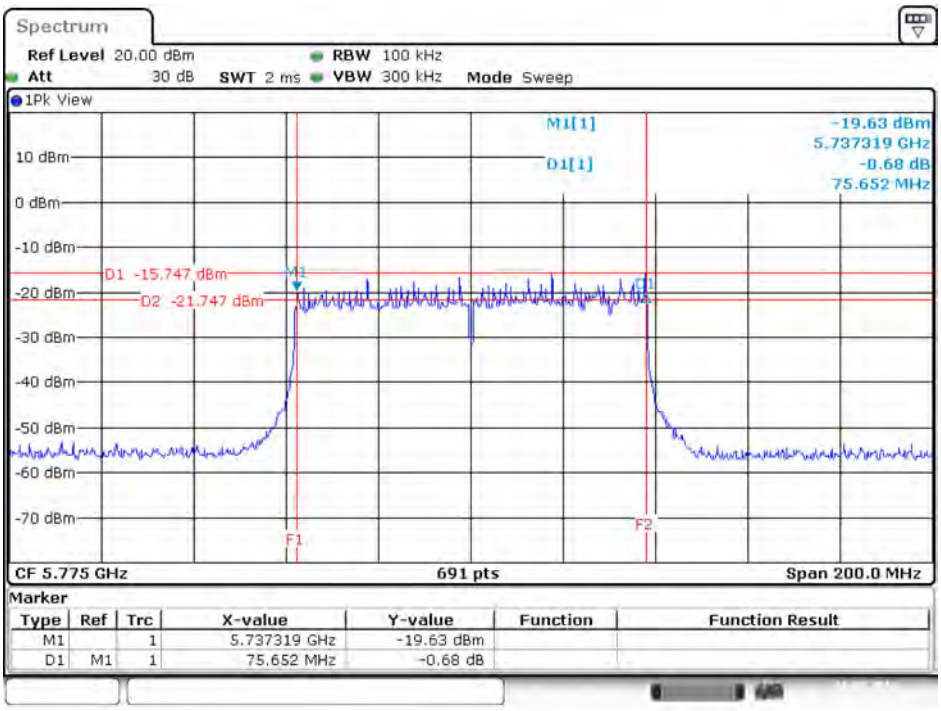

Date: 26.MAY.2016 14:09:06

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 / 5775 MHz



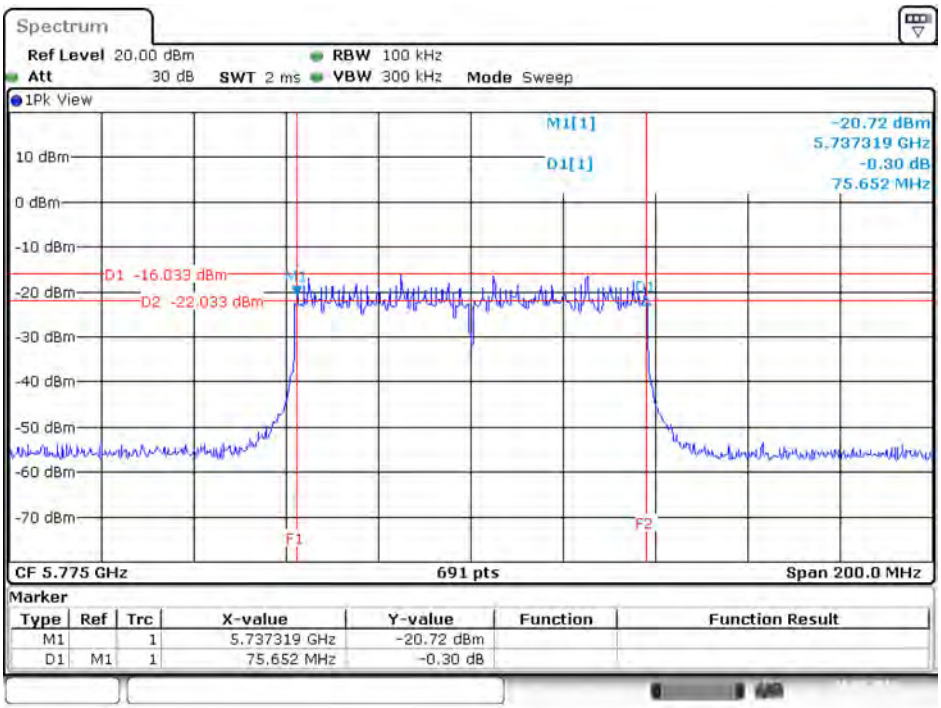

Date: 26.MAY.2016 14:14:44

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 2 / 5775 MHz



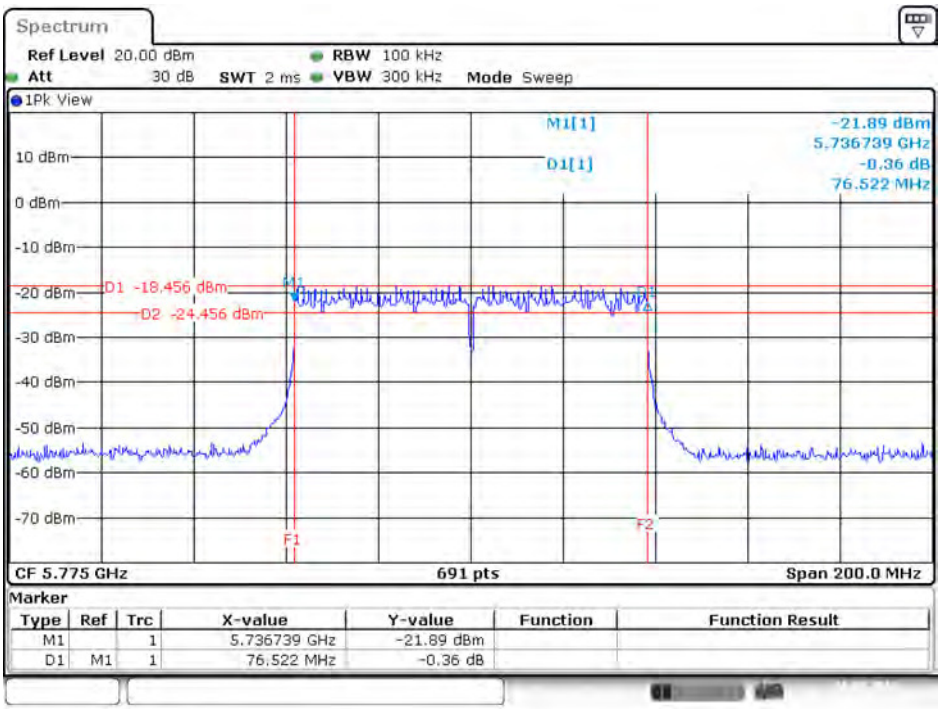

Date: 26.MAY.2016 14:15:22

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 3 / 5775 MHz




Date: 26.MAY.2016 14:15:54

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 4 / 5775 MHz

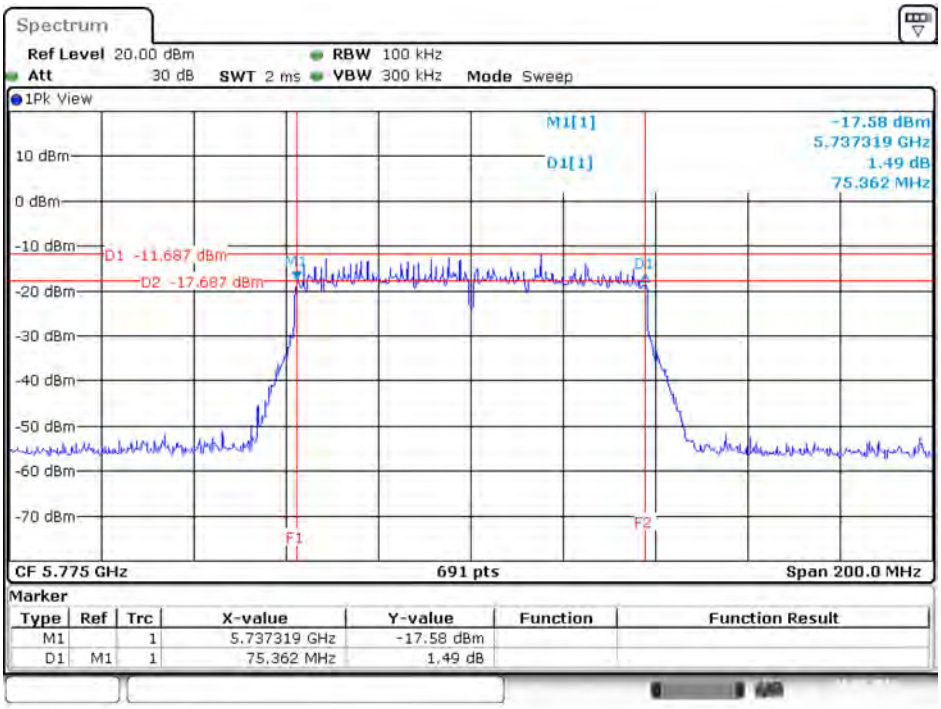



Date: 26.MAY.2016 14:16:10

## For 802.11ac MCS0/Nss2 VHT80+80 Mode

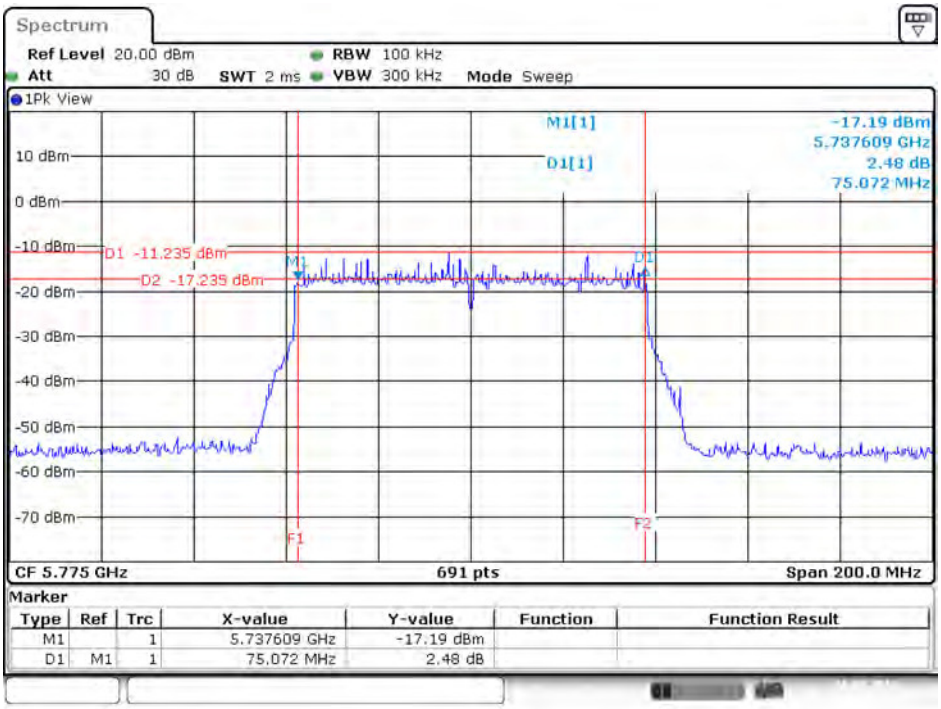
### Type 1

### 6 dB Bandwidth Plot on Chain 3 / 5775 MHz




Date: 26.MAY.2016 20:54:05

### 6 dB Bandwidth Plot on Chain 4 / 5775 MHz

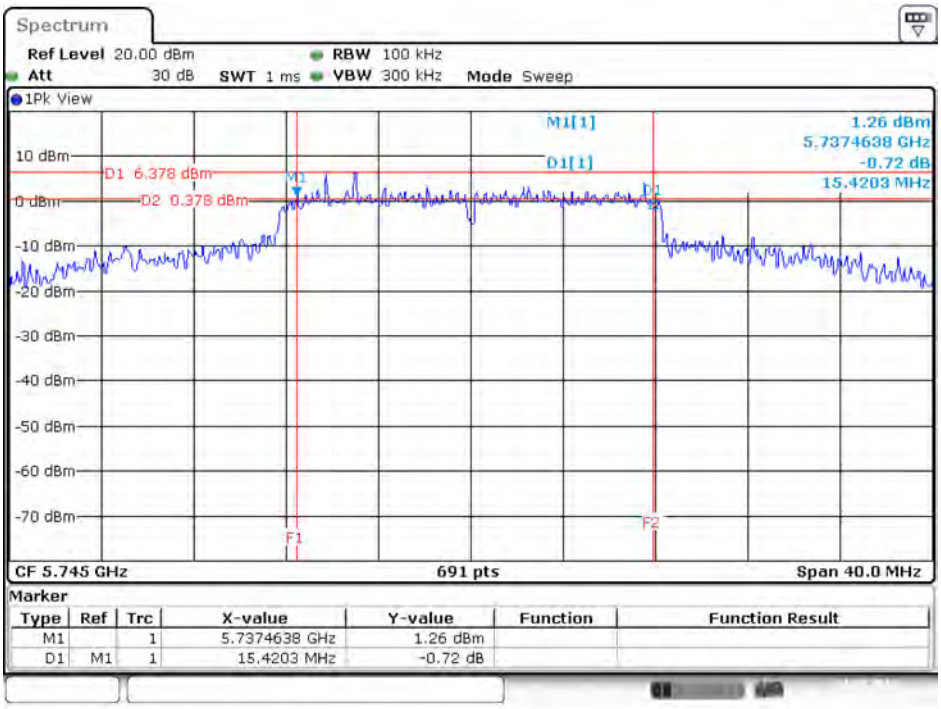



Date: 26.MAY.2016 20:54:23

**<For Radio 3 Mode>**

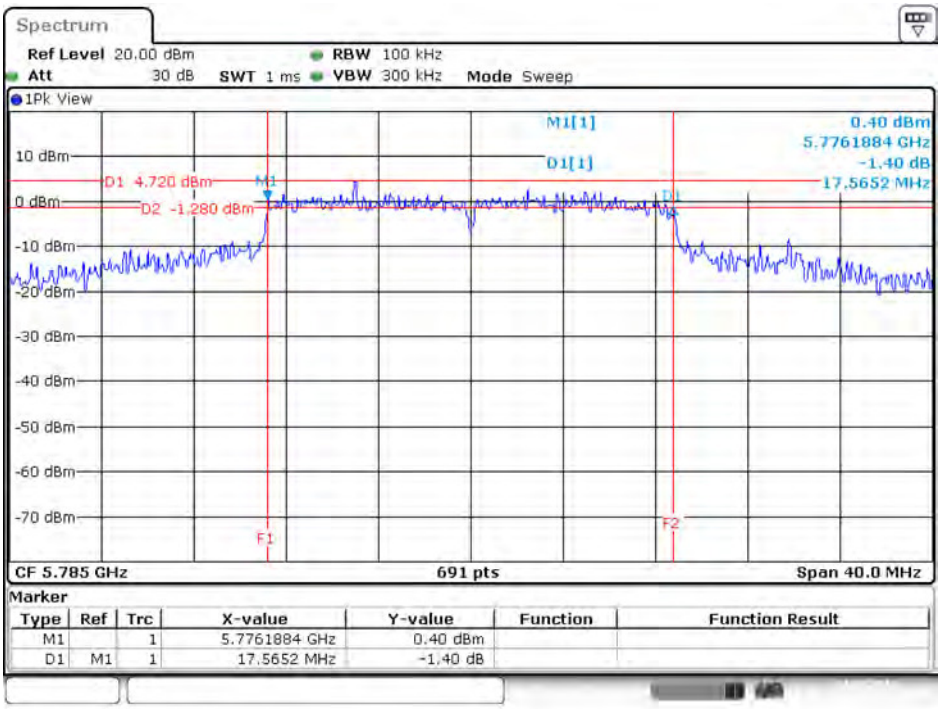
**For Mode 5:**

**6 dB Bandwidth Plot on Configuration IEEE 802.11a / Chain 5 / 5745 MHz**



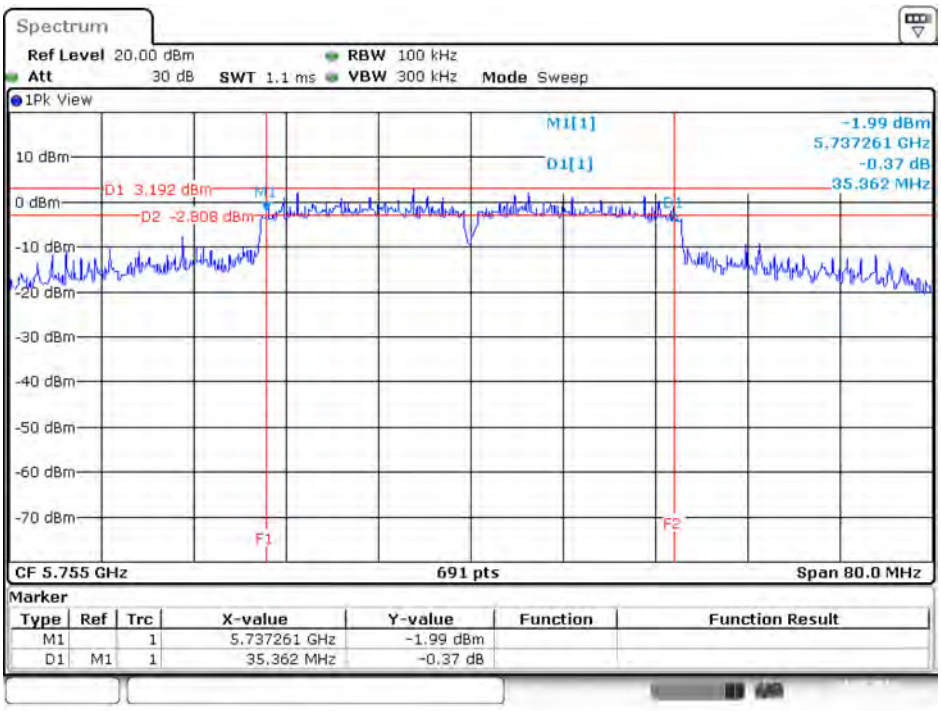

Date: 24.MAY.2016 11:24:41

**6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 5 / 5785 MHz**



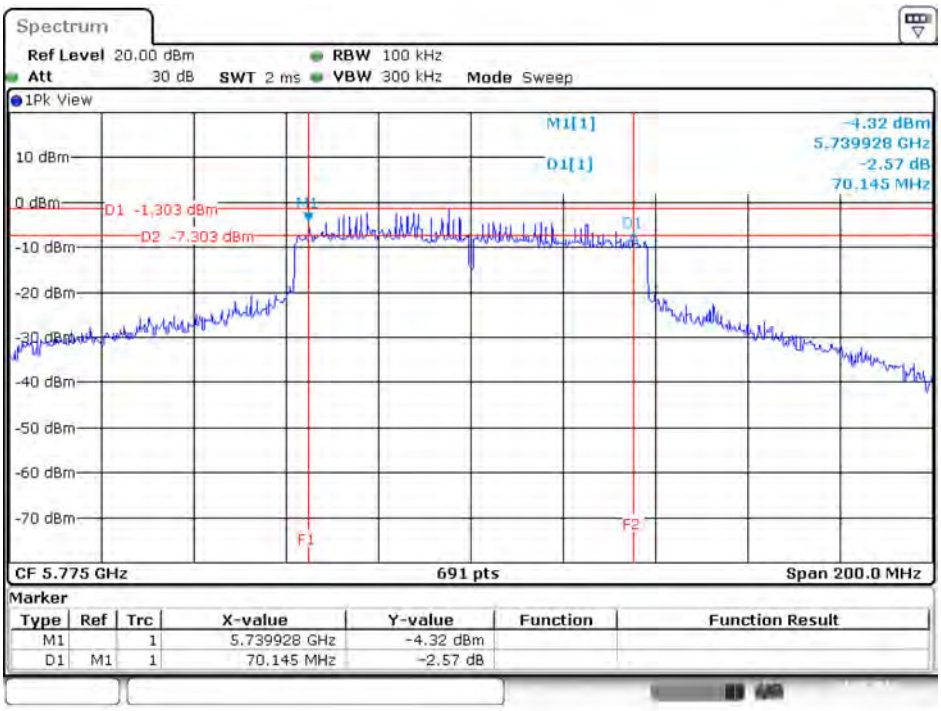

Date: 24.MAY.2016 11:27:39

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 5 / 5755 MHz




Date: 24.MAY.2016 11:29:08

## 6 dB Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 5 / 5775 MHz




Date: 24.MAY.2016 11:31:14

## 4.4. Maximum Conducted Output Power Measurement

### 4.4.1. Limit

| Frequency Band | | | Limit |
|---|---|---|---|
| ☒ | 5.15~5.25 GHz | | |
| | Operating Mode | | |
| | ☒ | Outdoor access point | The maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm) provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm). |
| | ☐ | Indoor access point | The maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm) provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. |
| | ☐ | Fixed point-to-point access points | The maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm). Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. |
| | ☐ | Client devices | The maximum conducted output power over the frequency band of operation shall not exceed 250 mW (24dBm) provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. |

| | | |
|---|---|---|
| ☒ | 5.725~5.85 GHz | The maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm). If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. |

### 4.4.2. Measuring Instruments and Setting

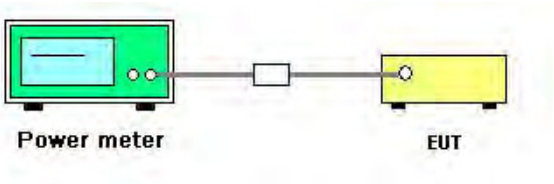
Please refer to section 5 of equipments list in this report. The following table is the setting of the power meter.

| Power Meter Parameter | Setting |
|---|---|
| Detector | AVERAGE |

### 4.4.3. Test Procedures

1. The transmitter output (antenna port) was connected to the power meter.
2. Test was performed in accordance with KDB789033 D02 v01r02 for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices - section (E) Maximum conducted output power =>3. Measurement using a Power Meter (PM) =>b) Method PM-G (Measurement using a gated RF average power meter).
3. Multiple antenna systems was performed in accordance with KDB662911 D01 v02r01 Emissions Testing of Transmitters with Multiple Outputs in the Same Band.
4. When measuring maximum conducted output power with multiple antenna systems, add every result of the values by mathematic formula.

### 4.4.4. Test Setup Layout




### 4.4.5. Test Deviation

There is no deviation with the original standard.

### 4.4.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

## 4.4.7. Test Result of Maximum Conducted Output Power

| Temperature | 25°C | Humidity | 62% |
|---|---|---|---|
| Test Engineer | Peter Wu | Test Date | May 05, 2016 ~ Jun. 02, 2016 |

<For Radio 2 Non-beamforming Mode>

For Mode 1:

| Mode | Frequency | Conducted Power (dBm) | | | | | Max. Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| | | Chain 1 | Chain 2 | Chain 3 | Chain 4 | Total | | |
| 802.11a | 5180 MHz | 9.79 | 10.24 | 10.18 | 9.96 | 16.07 | 30.00 | Complies |
| | 5200 MHz | 9.84 | 10.28 | 9.94 | 9.98 | 16.03 | 30.00 | Complies |
| | 5240 MHz | 9.62 | 10.14 | 10.09 | 9.72 | 15.92 | 30.00 | Complies |
| | 5745 MHz | 23.22 | 23.49 | 23.05 | 23.07 | 29.23 | 30.00 | Complies |
| | 5785 MHz | 23.68 | 23.73 | 23.47 | 23.68 | 29.66 | 30.00 | Complies |
| | 5825 MHz | 22.71 | 22.72 | 22.68 | 22.75 | 28.74 | 30.00 | Complies |
| 802.11ac MCS0/Nss1 VHT20 | 5180 MHz | 9.76 | 10.03 | 9.98 | 9.76 | 15.90 | 30.00 | Complies |
| | 5200 MHz | 9.53 | 9.93 | 9.79 | 9.72 | 15.77 | 30.00 | Complies |
| | 5240 MHz | 9.57 | 10.07 | 9.87 | 9.68 | 15.82 | 30.00 | Complies |
| | 5745 MHz | 22.87 | 23.23 | 22.84 | 22.72 | 28.94 | 30.00 | Complies |
| | 5785 MHz | 22.95 | 23.24 | 22.79 | 22.74 | 28.96 | 30.00 | Complies |
| | 5825 MHz | 22.53 | 22.58 | 22.66 | 22.69 | 28.64 | 30.00 | Complies |
| 802.11ac MCS0/Nss1 VHT40 | 5190 MHz | 9.59 | 9.92 | 9.86 | 9.59 | 15.76 | 30.00 | Complies |
| | 5230 MHz | 10.12 | 10.81 | 9.41 | 9.52 | 16.02 | 30.00 | Complies |
| | 5755 MHz | 20.54 | 20.76 | 20.44 | 20.38 | 26.55 | 30.00 | Complies |
| | 5795 MHz | 21.14 | 21.17 | 21.26 | 21.17 | 27.21 | 30.00 | Complies |
| 802.11ac MCS0/Nss1 VHT80 | 5210 MHz | 9.72 | 10.15 | 10.02 | 9.37 | 15.85 | 30.00 | Complies |
| | 5775 MHz | 18.57 | 18.06 | 17.46 | 17.72 | 23.99 | 30.00 | Complies |

| Mode | Frequency | Conducted Power (dBm) | | | | | Max. Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| | | Chain 1 | Chain 2 | Chain 3 | Chain 4 | Total | | |
| 802.11ac MCS0/Nss4 VHT20 | 5180 MHz | 9.72 | 10.26 | 9.73 | 9.57 | 15.85 | 30.00 | Complies |
| | 5200 MHz | 10.07 | 9.64 | 9.80 | 9.66 | 15.82 | 30.00 | Complies |
| | 5240 MHz | 10.09 | 10.33 | 10.14 | 10.08 | 16.18 | 30.00 | Complies |
| | 5745 MHz | 23.07 | 22.89 | 22.77 | 22.61 | 28.86 | 30.00 | Complies |
| | 5785 MHz | 23.02 | 22.78 | 22.58 | 22.55 | 28.76 | 30.00 | Complies |
| | 5825 MHz | 22.98 | 22.67 | 22.84 | 22.71 | 28.82 | 30.00 | Complies |
| 802.11ac MCS0/Nss4 VHT40 | 5190 MHz | 9.84 | 10.02 | 10.20 | 9.69 | 15.96 | 30.00 | Complies |
| | 5230 MHz | 9.86 | 10.05 | 9.96 | 9.48 | 15.86 | 30.00 | Complies |
| | 5755 MHz | 19.36 | 19.42 | 19.11 | 19.15 | 25.28 | 30.00 | Complies |
| | 5795 MHz | 20.34 | 20.28 | 20.39 | 20.38 | 26.37 | 30.00 | Complies |
| 802.11ac MCS0/Nss4 VHT80 | 5210 MHz | 9.89 | 10.34 | 10.45 | 9.92 | 16.18 | 30.00 | Complies |
| | 5775 MHz | 15.87 | 16.21 | 15.83 | 15.36 | 21.85 | 30.00 | Complies |

| Mode | Frequency | Conducted Power (dBm) | | | | | Max. Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| | | Chain 1 | Chain 2 | Chain 3 | Chain 4 | Total | | |
| 802.11ac MCS0/Nss2 VHT80+80 | 5210 MHz | 12.84 | 13.16 | - | - | 16.01 | 30.00 | Complies |
| | 5775 MHz | - | - | 12.24 | 12.64 | 15.45 | 30.00 | Complies |

For Mode 2:

| Mode | Frequency | Conducted Power (dBm) | | | | | Max. Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| | | Chain 1 | Chain 2 | Chain 3 | Chain 4 | Total | | |
| 802.11a | 5180 MHz | 17.82 | 18.45 | 18.64 | 18.48 | 24.38 | 30.00 | Complies |
| | 5200 MHz | 17.93 | 18.42 | 18.56 | 18.41 | 24.36 | 30.00 | Complies |
| | 5240 MHz | 18.03 | 18.69 | 18.49 | 18.26 | 24.40 | 30.00 | Complies |
| | 5745 MHz | 22.03 | 22.02 | 22.23 | 22.11 | 28.12 | 30.00 | Complies |
| | 5785 MHz | 22.97 | 23.06 | 22.85 | 22.89 | 28.96 | 30.00 | Complies |
| | 5825 MHz | 21.97 | 21.89 | 22.23 | 22.21 | 28.10 | 30.00 | Complies |
| 802.11ac MCS0/Nss1 VHT20 | 5180 MHz | 17.65 | 17.95 | 18.32 | 18.21 | 24.06 | 30.00 | Complies |
| | 5200 MHz | 17.66 | 18.11 | 18.22 | 18.24 | 24.08 | 30.00 | Complies |
| | 5240 MHz | 17.73 | 18.28 | 18.16 | 17.93 | 24.05 | 30.00 | Complies |
| | 5745 MHz | 21.86 | 22.07 | 21.98 | 21.86 | 27.96 | 30.00 | Complies |
| | 5785 MHz | 22.95 | 23.24 | 22.79 | 22.74 | 28.96 | 30.00 | Complies |
| | 5825 MHz | 22.61 | 22.34 | 21.71 | 22.01 | 28.20 | 30.00 | Complies |
| 802.11ac MCS0/Nss1 VHT40 | 5190 MHz | 17.72 | 18.23 | 16.62 | 16.83 | 23.42 | 30.00 | Complies |
| | 5230 MHz | 18.54 | 19.27 | 17.88 | 17.96 | 24.47 | 30.00 | Complies |
| | 5755 MHz | 21.95 | 21.31 | 20.61 | 20.97 | 27.26 | 30.00 | Complies |
| | 5795 MHz | 21.14 | 21.17 | 21.26 | 21.17 | 27.21 | 30.00 | Complies |
| 802.11ac MCS0/Nss1 VHT80 | 5210 MHz | 16.06 | 16.25 | 14.88 | 15.06 | 21.62 | 30.00 | Complies |
| | 5775 MHz | 18.57 | 18.06 | 17.46 | 17.72 | 23.99 | 30.00 | Complies |

| Mode | Frequency | Conducted Power (dBm) | | | | | Max. Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| | | Chain 1 | Chain 2 | Chain 3 | Chain 4 | Total | | |
| 802.11ac MCS0/Nss4 VHT20 | 5180 MHz | 18.18 | 18.15 | 18.34 | 18.01 | 24.19 | 30.00 | Complies |
| | 5200 MHz | 18.44 | 18.13 | 18.28 | 18.11 | 24.26 | 30.00 | Complies |
| | 5240 MHz | 18.15 | 18.54 | 18.11 | 17.65 | 24.14 | 30.00 | Complies |
| | 5745 MHz | 23.07 | 22.89 | 22.77 | 22.61 | 28.86 | 30.00 | Complies |
| | 5785 MHz | 23.02 | 22.78 | 22.58 | 22.55 | 28.76 | 30.00 | Complies |
| | 5825 MHz | 22.35 | 22.19 | 22.17 | 21.56 | 28.10 | 30.00 | Complies |
| 802.11ac MCS0/Nss4 VHT40 | 5190 MHz | 16.66 | 16.97 | 16.82 | 16.12 | 22.67 | 30.00 | Complies |
| | 5230 MHz | 18.13 | 18.42 | 18.28 | 17.71 | 24.16 | 30.00 | Complies |
| | 5755 MHz | 19.96 | 19.98 | 19.67 | 18.88 | 25.67 | 30.00 | Complies |
| | 5795 MHz | 20.34 | 20.28 | 20.39 | 20.38 | 26.37 | 30.00 | Complies |
| 802.11ac MCS0/Nss4 VHT80 | 5210 MHz | 14.07 | 14.39 | 14.45 | 13.53 | 20.15 | 30.00 | Complies |
| | 5775 MHz | 15.87 | 16.21 | 15.83 | 15.36 | 21.85 | 30.00 | Complies |

| Mode | Frequency | Conducted Power (dBm) | | | | | Max. Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| | | Chain 1 | Chain 2 | Chain 3 | Chain 4 | Total | | |
| 802.11ac MCS0/Nss2 VHT80+80 | 5210 MHz | 17.09 | 17.27 | - | - | 20.19 | 30.00 | Complies |
| | 5775 MHz | - | - | 17.08 | 17.02 | 20.06 | 30.00 | Complies |

For Mode 3:

| Mode | Frequency | Conducted Power (dBm) | | | | | Max. Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| | | Chain 1 | Chain 2 | Chain 3 | Chain 4 | Total | | |
| 802.11a | 5180 MHz | 13.71 | 13.73 | 14.65 | 14.45 | 20.18 | 26.10 | Complies |
| | 5200 MHz | 13.89 | 13.79 | 14.76 | 14.39 | 20.25 | 26.10 | Complies |
| | 5240 MHz | 13.53 | 13.86 | 14.75 | 14.27 | 20.15 | 26.10 | Complies |
| | 5745 MHz | 19.58 | 19.43 | 19.82 | 19.88 | 25.70 | 26.10 | Complies |
| | 5785 MHz | 19.63 | 19.53 | 19.87 | 19.82 | 25.74 | 26.10 | Complies |
| | 5825 MHz | 19.68 | 19.55 | 19.92 | 20.01 | 25.81 | 26.10 | Complies |
| 802.11ac MCS0/Nss1 VHT20 | 5180 MHz | 14.02 | 14.36 | 14.56 | 14.34 | 20.34 | 26.10 | Complies |
| | 5200 MHz | 14.09 | 14.42 | 14.62 | 14.28 | 20.38 | 26.10 | Complies |
| | 5240 MHz | 13.96 | 14.53 | 14.65 | 14.32 | 20.39 | 26.10 | Complies |
| | 5745 MHz | 20.08 | 19.96 | 20.03 | 19.95 | 26.03 | 26.10 | Complies |
| | 5785 MHz | 19.96 | 20.08 | 20.10 | 19.85 | 26.02 | 26.10 | Complies |
| | 5825 MHz | 19.86 | 19.96 | 20.12 | 19.92 | 25.99 | 26.10 | Complies |
| 802.11ac MCS0/Nss1 VHT40 | 5190 MHz | 13.72 | 13.91 | 14.29 | 13.91 | 19.98 | 26.10 | Complies |
| | 5230 MHz | 17.52 | 17.63 | 17.59 | 17.06 | 23.48 | 26.10 | Complies |
| | 5755 MHz | 19.63 | 19.92 | 19.75 | 19.76 | 25.79 | 26.10 | Complies |
| | 5795 MHz | 19.73 | 19.51 | 19.83 | 19.45 | 25.65 | 26.10 | Complies |
| 802.11ac MCS0/Nss1 VHT80 | 5210 MHz | 12.23 | 12.61 | 12.71 | 12.23 | 18.47 | 26.10 | Complies |
| | 5775 MHz | 17.05 | 17.09 | 17.11 | 17.05 | 23.10 | 26.10 | Complies |

Note: Gain =9.90dBi>6dBi, so limit =30-(9.90-6)=26.10dBm.

| Mode | Frequency | Conducted Power (dBm) | | | | | Max. Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| | | Chain 1 | Chain 2 | Chain 3 | Chain 4 | Total | | |
| 802.11ac MCS0/Nss4 VHT20 | 5180 MHz | 16.82 | 16.79 | 16.73 | 16.52 | 22.74 | 26.10 | Complies |
| | 5200 MHz | 17.72 | 17.38 | 17.38 | 17.24 | 23.45 | 26.10 | Complies |
| | 5240 MHz | 17.68 | 17.96 | 17.64 | 17.34 | 23.68 | 26.10 | Complies |
| | 5745 MHz | 19.98 | 20.18 | 19.82 | 19.82 | 25.97 | 26.10 | Complies |
| | 5785 MHz | 20.19 | 20.13 | 19.85 | 19.82 | 26.02 | 26.10 | Complies |
| | 5825 MHz | 20.13 | 20.02 | 19.96 | 19.85 | 26.01 | 26.10 | Complies |
| 802.11ac MCS0/Nss4 VHT40 | 5190 MHz | 11.72 | 11.49 | 11.92 | 11.21 | 17.61 | 26.10 | Complies |
| | 5230 MHz | 17.43 | 17.47 | 17.44 | 17.13 | 23.39 | 26.10 | Complies |
| | 5755 MHz | 20.02 | 19.95 | 19.82 | 19.81 | 25.92 | 26.10 | Complies |
| | 5795 MHz | 20.08 | 20.06 | 19.88 | 19.86 | 25.99 | 26.10 | Complies |
| 802.11ac MCS0/Nss4 VHT80 | 5210 MHz | 12.28 | 12.02 | 12.56 | 11.67 | 18.17 | 26.10 | Complies |
| | 5775 MHz | 16.69 | 16.74 | 16.70 | 16.66 | 22.72 | 26.10 | Complies |

| Mode | Frequency | Conducted Power (dBm) | | | | | Max. Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| | | Chain 1 | Chain 2 | Chain 3 | Chain 4 | Total | | |
| 802.11ac MCS0/Nss2 VHT80+80 | 5210 MHz | 16.15 | 16.26 | - | - | 19.22 | 26.10 | Complies |
| | 5775 MHz | - | - | 15.45 | 16.10 | 18.80 | 26.10 | Complies |

Note: Gain =9.90dBi>6dBi, so limit =30-(9.90-6)=26.10dBm.

For Mode 4:

| Mode | Frequency | Conducted Power (dBm) | | | | | Max. Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| | | Chain 1 | Chain 2 | Chain 3 | Chain 4 | Total | | |
| 802.11a | 5180 MHz | 13.96 | 14.41 | 14.19 | 14.26 | 20.23 | 26.00 | Complies |
| | 5200 MHz | 13.77 | 14.37 | 14.08 | 14.24 | 20.14 | 26.00 | Complies |
| | 5240 MHz | 14.16 | 14.36 | 14.27 | 13.83 | 20.18 | 26.00 | Complies |
| | 5745 MHz | 19.82 | 20.10 | 19.88 | 20.05 | 25.98 | 26.00 | Complies |
| | 5785 MHz | 19.98 | 20.13 | 19.84 | 19.85 | 25.97 | 26.00 | Complies |
| | 5825 MHz | 19.91 | 19.76 | 19.84 | 19.94 | 25.88 | 26.00 | Complies |
| 802.11ac MCS0/Nss1 VHT20 | 5180 MHz | 13.69 | 14.04 | 13.88 | 14.06 | 19.94 | 26.00 | Complies |
| | 5200 MHz | 13.72 | 14.12 | 13.78 | 13.92 | 19.91 | 26.00 | Complies |
| | 5240 MHz | 13.81 | 14.05 | 13.82 | 14.03 | 19.95 | 26.00 | Complies |
| | 5745 MHz | 19.67 | 19.93 | 19.69 | 19.89 | 25.82 | 26.00 | Complies |
| | 5785 MHz | 19.65 | 19.76 | 19.73 | 19.92 | 25.79 | 26.00 | Complies |
| | 5825 MHz | 19.74 | 19.53 | 19.75 | 19.77 | 25.72 | 26.00 | Complies |
| 802.11ac MCS0/Nss1 VHT40 | 5190 MHz | 13.32 | 13.63 | 13.72 | 13.62 | 19.60 | 26.00 | Complies |
| | 5230 MHz | 16.92 | 17.29 | 17.15 | 16.82 | 23.07 | 26.00 | Complies |
| | 5755 MHz | 19.63 | 19.92 | 19.75 | 19.76 | 25.79 | 26.00 | Complies |
| | 5795 MHz | 19.71 | 19.82 | 19.91 | 19.88 | 25.85 | 26.00 | Complies |
| 802.11ac MCS0/Nss1 VHT80 | 5210 MHz | 12.23 | 12.61 | 12.71 | 12.23 | 18.47 | 26.00 | Complies |
| | 5775 MHz | 15.03 | 15.44 | 15.12 | 15.38 | 21.27 | 26.00 | Complies |

Note: Gain =10.00dBi>6dBi, so limit =30-(10.00-6)=26.00dBm.

| Mode | Frequency | Conducted Power (dBm) | | | | | Max. Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| | | Chain 1 | Chain 2 | Chain 3 | Chain 4 | Total | | |
| 802.11ac MCS0/Nss4 VHT20 | 5180 MHz | 16.21 | 16.24 | 15.92 | 15.97 | 22.11 | 26.00 | Complies |
| | 5200 MHz | 17.38 | 17.68 | 17.24 | 17.50 | 23.47 | 26.00 | Complies |
| | 5240 MHz | 19.33 | 19.54 | 19.27 | 19.11 | 25.34 | 26.00 | Complies |
| | 5745 MHz | 19.62 | 19.86 | 19.55 | 19.52 | 25.66 | 26.00 | Complies |
| | 5785 MHz | 19.74 | 19.91 | 19.78 | 19.48 | 25.75 | 26.00 | Complies |
| | 5825 MHz | 19.77 | 19.72 | 19.76 | 19.48 | 25.70 | 26.00 | Complies |
| 802.11ac MCS0/Nss4 VHT40 | 5190 MHz | 13.94 | 14.36 | 14.12 | 14.05 | 20.14 | 26.00 | Complies |
| | 5230 MHz | 17.88 | 18.12 | 17.88 | 17.85 | 23.95 | 26.00 | Complies |
| | 5755 MHz | 18.87 | 19.03 | 18.69 | 18.76 | 24.86 | 26.00 | Complies |
| | 5795 MHz | 18.76 | 19.14 | 18.81 | 18.89 | 24.92 | 26.00 | Complies |
| 802.11ac MCS0/Nss4 VHT80 | 5210 MHz | 11.68 | 12.14 | 11.93 | 12.02 | 17.97 | 26.00 | Complies |
| | 5775 MHz | 14.23 | 14.64 | 14.38 | 14.33 | 20.42 | 26.00 | Complies |

| Mode | Frequency | Conducted Power (dBm) | | | | | Max. Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| | | Chain 1 | Chain 2 | Chain 3 | Chain 4 | Total | | |
| 802.11ac MCS0/Nss2 VHT80+80 | 5210 MHz | 17.09 | 17.27 | - | - | 20.19 | 26.00 | Complies |
| | 5775 MHz | - | - | 17.08 | 17.02 | 20.06 | 26.00 | Complies |

Note: Gain =10.00dBi>6dBi, so limit =30-(10.00-6)=26.00dBm.

<For Radio 2 Beamforming Mode>

For Mode 1:

| Mode | Frequency | Conducted Power (dBm) | | | | | Max. Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| | | Chain 1 | Chain 2 | Chain 3 | Chain 4 | Total | | |
| 802.11ac MCS0/Nss1 VHT20 | 5180 MHz | 3.85 | 3.84 | 4.34 | 4.16 | 10.07 | 24.48 | Complies |
| | 5200 MHz | 3.26 | 4.11 | 3.78 | 4.82 | 10.05 | 24.48 | Complies |
| | 5240 MHz | 3.64 | 3.86 | 3.59 | 3.75 | 9.73 | 24.48 | Complies |
| | 5745 MHz | 16.61 | 17.12 | 16.48 | 16.81 | 22.78 | 24.48 | Complies |
| | 5785 MHz | 16.07 | 16.09 | 15.82 | 16.07 | 22.03 | 24.48 | Complies |
| | 5825 MHz | 15.63 | 16.03 | 15.41 | 15.78 | 21.74 | 24.48 | Complies |
| 802.11ac MCS0/Nss1 VHT40 | 5190 MHz | 3.64 | 3.85 | 3.73 | 3.94 | 9.81 | 24.48 | Complies |
| | 5230 MHz | 3.17 | 3.87 | 4.07 | 4.19 | 9.86 | 24.48 | Complies |
| | 5755 MHz | 16.90 | 17.42 | 16.71 | 16.62 | 22.94 | 24.48 | Complies |
| | 5795 MHz | 16.57 | 16.78 | 16.67 | 16.69 | 22.70 | 24.48 | Complies |
| 802.11ac MCS0/Nss1 VHT80 | 5210 MHz | 3.57 | 4.13 | 3.63 | 4.04 | 9.87 | 24.48 | Complies |
| | 5775 MHz | 16.90 | 17.27 | 16.64 | 16.92 | 22.96 | 24.48 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =11.52dBi, so limit=30-(11.52-6)=24.48dBm.

| Mode | Frequency | Conducted Power (dBm) | | | | | Max. Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| | | Chain 1 | Chain 2 | Chain 3 | Chain 4 | Total | | |
| 802.11ac MCS0/Nss2 VHT20 | 5180 MHz | 6.88 | 6.92 | 6.95 | 6.85 | 12.92 | 27.49 | Complies |
| | 5200 MHz | 6.83 | 6.95 | 6.72 | 6.76 | 12.84 | 27.49 | Complies |
| | 5240 MHz | 6.31 | 6.96 | 6.54 | 6.72 | 12.66 | 27.49 | Complies |
| | 5745 MHz | 20.93 | 21.22 | 20.58 | 20.75 | 26.90 | 27.49 | Complies |
| | 5785 MHz | 21.08 | 21.10 | 20.50 | 21.13 | 26.98 | 27.49 | Complies |
| | 5825 MHz | 20.78 | 21.39 | 20.45 | 20.91 | 26.92 | 27.49 | Complies |
| 802.11ac MCS0/Nss2 VHT40 | 5190 MHz | 6.93 | 7.03 | 6.81 | 6.96 | 12.95 | 27.49 | Complies |
| | 5230 MHz | 6.68 | 6.75 | 6.45 | 6.74 | 12.68 | 27.49 | Complies |
| | 5755 MHz | 19.91 | 20.25 | 19.74 | 19.86 | 25.96 | 27.49 | Complies |
| | 5795 MHz | 20.04 | 20.12 | 19.60 | 20.01 | 25.97 | 27.49 | Complies |
| 802.11ac MCS0/Nss2 VHT80 | 5210 MHz | 6.91 | 6.89 | 7.35 | 7.17 | 13.10 | 27.49 | Complies |
| | 5775 MHz | 15.86 | 16.23 | 15.92 | 16.02 | 22.03 | 27.49 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$ =8.51dBi, so limit=30-(8.51-6)=27.49dBm.

| Mode | Frequency | Conducted Power (dBm) | | | | | Max. Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| | | Chain 1 | Chain 2 | Chain 3 | Chain 4 | Total | | |
| 802.11ac MCS0/Nss3 VHT20 | 5180 MHz | 8.61 | 8.73 | 9.01 | 8.97 | 14.85 | 28.77 | Complies |
| | 5200 MHz | 8.12 | 8.59 | 8.54 | 8.72 | 14.52 | 28.77 | Complies |
| | 5240 MHz | 8.15 | 8.59 | 8.62 | 8.43 | 14.47 | 28.77 | Complies |
| | 5745 MHz | 20.54 | 21.36 | 20.38 | 20.77 | 26.80 | 28.77 | Complies |
| | 5785 MHz | 21.47 | 21.58 | 21.07 | 21.20 | 27.36 | 28.77 | Complies |
| | 5825 MHz | 20.78 | 21.44 | 20.34 | 21.06 | 26.94 | 28.77 | Complies |
| 802.11ac MCS0/Nss3 VHT40 | 5190 MHz | 8.95 | 8.92 | 8.93 | 8.83 | 14.93 | 28.77 | Complies |
| | 5230 MHz | 8.59 | 8.28 | 8.71 | 8.14 | 14.46 | 28.77 | Complies |
| | 5755 MHz | 19.55 | 20.34 | 19.29 | 19.74 | 25.77 | 28.77 | Complies |
| | 5795 MHz | 8.95 | 8.92 | 8.93 | 8.83 | 14.93 | 28.77 | Complies |
| 802.11ac MCS0/Nss3 VHT80 | 5210 MHz | 8.44 | 8.56 | 8.72 | 8.53 | 14.58 | 28.77 | Complies |
| | 5775 MHz | 18.28 | 18.62 | 18.04 | 18.27 | 24.33 | 28.77 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$ =7.23dBi, so limit=30-(7.23-6)=28.77dBm.

| Mode | Frequency | Conducted Power (dBm) | | | | | Max. Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| | | Chain 1 | Chain 2 | Chain 3 | Chain 4 | Total | | |
| 802.11ac MCS0/Nss2 VHT80+80 | 5210 MHz | 9.36 | 9.55 | - | - | 12.47 | 27.49 | Complies |
| | 5775 MHz | - | - | 8.61 | 8.93 | 11.78 | 27.49 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =8.51dBi, so limit=30-(8.51-6)=27.49dBm.

For Mode 2:

| Mode | Frequency | Conducted Power (dBm) | | | | | Max. Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| | | Chain 1 | Chain 2 | Chain 3 | Chain 4 | Total | | |
| 802.11ac MCS0/Nss1 VHT20 | 5180 MHz | 11.43 | 12.43 | 11.87 | 12.18 | 18.01 | 24.98 | Complies |
| | 5200 MHz | 12.16 | 12.81 | 12.54 | 12.28 | 18.48 | 24.98 | Complies |
| | 5240 MHz | 11.79 | 12.34 | 12.58 | 12.23 | 18.26 | 24.98 | Complies |
| | 5745 MHz | 18.73 | 18.96 | 18.48 | 19.24 | 24.88 | 24.98 | Complies |
| | 5785 MHz | 18.92 | 19.12 | 18.65 | 18.96 | 24.94 | 24.98 | Complies |
| | 5825 MHz | 18.88 | 19.02 | 18.52 | 19.02 | 24.89 | 24.98 | Complies |
| 802.11ac MCS0/Nss1 VHT40 | 5190 MHz | 11.36 | 12.12 | 11.71 | 11.69 | 17.75 | 24.98 | Complies |
| | 5230 MHz | 12.01 | 12.57 | 12.69 | 12.54 | 18.48 | 24.98 | Complies |
| | 5755 MHz | 18.91 | 19.37 | 18.78 | 18.49 | 24.92 | 24.98 | Complies |
| | 5795 MHz | 18.88 | 19.42 | 18.82 | 18.56 | 24.95 | 24.98 | Complies |
| 802.11ac MCS0/Nss1 VHT80 | 5210 MHz | 10.80 | 11.06 | 11.26 | 10.39 | 16.91 | 24.98 | Complies |
| | 5775 MHz | 17.91 | 18.27 | 17.64 | 17.94 | 23.97 | 24.98 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$ =11.02dBi, so limit=30-(11.02-6)=24.98dBm.

| Mode | Frequency | Conducted Power (dBm) | | | | | Max. Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| | | Chain 1 | Chain 2 | Chain 3 | Chain 4 | Total | | |
| 802.11ac MCS0/Nss2 VHT20 | 5180 MHz | 15.24 | 15.81 | 15.51 | 15.30 | 21.49 | 27.99 | Complies |
| | 5200 MHz | 15.47 | 15.84 | 15.19 | 15.32 | 21.48 | 27.99 | Complies |
| | 5240 MHz | 15.15 | 15.71 | 15.56 | 15.17 | 21.42 | 27.99 | Complies |
| | 5745 MHz | 21.98 | 22.31 | 21.79 | 21.55 | 27.94 | 27.99 | Complies |
| | 5785 MHz | 21.89 | 22.24 | 21.82 | 21.57 | 27.91 | 27.99 | Complies |
| | 5825 MHz | 21.56 | 21.89 | 21.73 | 21.45 | 27.68 | 27.99 | Complies |
| 802.11ac MCS0/Nss2 VHT40 | 5190 MHz | 14.95 | 15.66 | 15.25 | 14.96 | 21.24 | 27.99 | Complies |
| | 5230 MHz | 15.01 | 15.53 | 15.54 | 15.27 | 21.36 | 27.99 | Complies |
| | 5755 MHz | 19.13 | 19.35 | 18.69 | 18.71 | 25.00 | 27.99 | Complies |
| | 5795 MHz | 20.04 | 20.12 | 19.60 | 20.01 | 25.97 | 27.99 | Complies |
| 802.11ac MCS0/Nss2 VHT80 | 5210 MHz | 14.34 | 14.98 | 15.20 | 14.34 | 20.75 | 27.99 | Complies |
| | 5775 MHz | 17.27 | 17.66 | 16.71 | 16.91 | 23.17 | 27.99 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$ =8.01dBi, so limit=30-(8.01-6)=27.99dBm.

| Mode | Frequency | Conducted Power (dBm) | | | | | Max. Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| | | Chain 1 | Chain 2 | Chain 3 | Chain 4 | Total | | |
| 802.11ac MCS0/Nss3 VHT20 | 5180 MHz | 15.52 | 16.24 | 15.79 | 15.85 | 21.88 | 29.27 | Complies |
| | 5200 MHz | 17.22 | 17.33 | 16.85 | 16.62 | 23.03 | 29.27 | Complies |
| | 5240 MHz | 16.86 | 17.26 | 16.77 | 16.84 | 22.96 | 29.27 | Complies |
| | 5745 MHz | 21.34 | 21.76 | 20.92 | 21.31 | 27.36 | 29.27 | Complies |
| | 5785 MHz | 21.47 | 21.58 | 21.07 | 21.20 | 27.36 | 29.27 | Complies |
| | 5825 MHz | 20.14 | 20.83 | 20.03 | 20.21 | 26.33 | 29.27 | Complies |
| 802.11ac MCS0/Nss3 VHT40 | 5190 MHz | 16.25 | 17.03 | 16.27 | 16.38 | 22.52 | 29.27 | Complies |
| | 5230 MHz | 16.79 | 16.97 | 17.24 | 17.30 | 23.10 | 29.27 | Complies |
| | 5755 MHz | 18.63 | 19.32 | 18.44 | 18.56 | 24.77 | 29.27 | Complies |
| | 5795 MHz | 18.53 | 18.95 | 18.51 | 18.43 | 24.63 | 29.27 | Complies |
| 802.11ac MCS0/Nss3 VHT80 | 5210 MHz | 15.72 | 16.24 | 16.23 | 16.02 | 22.08 | 29.27 | Complies |
| | 5775 MHz | 15.27 | 15.76 | 15.01 | 15.54 | 21.42 | 29.27 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$ =6.73dBi, so limit=30-(6.73-6)=29.27dBm.

| Mode | Frequency | Conducted Power (dBm) | | | | | Max. Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| | | Chain 1 | Chain 2 | Chain 3 | Chain 4 | Total | | |
| 802.11ac MCS0/Nss2 VHT80+80 | 5210 MHz | 17.89 | 18.11 | - | - | 21.01 | 27.99 | Complies |
| | 5775 MHz | - | - | 16.11 | 16.63 | 19.39 | 27.99 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =8.01dBi, so limit=30-(8.01-6)=27.99dBm.

For Mode 3:

| Mode | Frequency | Conducted Power (dBm) | | | | | Max. Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| | | Chain 1 | Chain 2 | Chain 3 | Chain 4 | Total | | |
| 802.11ac MCS0/Nss1 VHT20 | 5180 MHz | 10.94 | 11.57 | 11.36 | 11.37 | 17.34 | 20.18 | Complies |
| | 5200 MHz | 11.12 | 11.67 | 11.33 | 11.32 | 17.39 | 20.18 | Complies |
| | 5240 MHz | 10.73 | 11.64 | 11.52 | 11.39 | 17.35 | 20.18 | Complies |
| | 5745 MHz | 13.96 | 14.12 | 13.87 | 14.11 | 20.04 | 20.18 | Complies |
| | 5785 MHz | 14.13 | 13.94 | 14.15 | 14.05 | 20.09 | 20.18 | Complies |
| | 5825 MHz | 14.17 | 13.89 | 14.34 | 14.02 | 20.13 | 20.18 | Complies |
| 802.11ac MCS0/Nss1 VHT40 | 5190 MHz | 10.88 | 10.79 | 10.89 | 10.76 | 16.85 | 20.18 | Complies |
| | 5230 MHz | 11.26 | 11.85 | 11.52 | 11.59 | 17.58 | 20.18 | Complies |
| | 5755 MHz | 13.58 | 14.02 | 13.51 | 13.65 | 19.72 | 20.18 | Complies |
| | 5795 MHz | 13.62 | 14.12 | 13.62 | 13.58 | 19.76 | 20.18 | Complies |
| 802.11ac MCS0/Nss1 VHT80 | 5210 MHz | 10.80 | 11.06 | 11.26 | 10.39 | 16.91 | 20.18 | Complies |
| | 5775 MHz | 13.86 | 14.03 | 13.92 | 14.21 | 20.03 | 20.18 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$ =15.82dBi, so limit=30-(15.82-6)=20.18dBm.

| Mode | Frequency | Conducted Power (dBm) | | | | | Max. Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| | | Chain 1 | Chain 2 | Chain 3 | Chain 4 | Total | | |
| 802.11ac MCS0/Nss2 VHT20 | 5180 MHz | 14.35 | 14.59 | 14.62 | 14.32 | 20.49 | 23.19 | Complies |
| | 5200 MHz | 14.57 | 14.61 | 14.53 | 14.52 | 20.58 | 23.19 | Complies |
| | 5240 MHz | 13.87 | 14.45 | 14.63 | 14.08 | 20.29 | 23.19 | Complies |
| | 5745 MHz | 16.68 | 17.21 | 16.73 | 16.68 | 22.85 | 23.19 | Complies |
| | 5785 MHz | 16.73 | 17.32 | 16.64 | 16.78 | 22.90 | 23.19 | Complies |
| | 5825 MHz | 16.75 | 17.28 | 16.77 | 16.85 | 22.94 | 23.19 | Complies |
| 802.11ac MCS0/Nss2 VHT40 | 5190 MHz | 13.62 | 14.37 | 14.29 | 13.94 | 20.09 | 23.19 | Complies |
| | 5230 MHz | 14.18 | 14.53 | 14.61 | 14.12 | 20.39 | 23.19 | Complies |
| | 5755 MHz | 16.96 | 17.32 | 16.85 | 16.55 | 22.95 | 23.19 | Complies |
| | 5795 MHz | 16.88 | 17.24 | 16.78 | 16.64 | 22.91 | 23.19 | Complies |
| 802.11ac MCS0/Nss2 VHT80 | 5210 MHz | 11.24 | 12.07 | 11.80 | 11.35 | 17.65 | 23.19 | Complies |
| | 5775 MHz | 16.76 | 17.44 | 16.69 | 16.68 | 22.93 | 23.19 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$ =12.81dBi, so limit=30-(12.81-6)=23.19dBm.

| Mode | Frequency | Conducted Power (dBm) | | | | | Max. Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| | | Chain 1 | Chain 2 | Chain 3 | Chain 4 | Total | | |
| 802.11ac MCS0/Nss3 VHT20 | 5180 MHz | 14.78 | 15.31 | 14.69 | 14.77 | 20.92 | 24.47 | Complies |
| | 5200 MHz | 16.08 | 16.36 | 15.78 | 15.72 | 22.01 | 24.47 | Complies |
| | 5240 MHz | 15.81 | 16.43 | 15.96 | 16.03 | 22.08 | 24.47 | Complies |
| | 5745 MHz | 17.96 | 18.81 | 17.85 | 18.45 | 24.31 | 24.47 | Complies |
| | 5785 MHz | 18.32 | 18.54 | 17.82 | 18.42 | 24.30 | 24.47 | Complies |
| | 5825 MHz | 18.24 | 18.57 | 17.87 | 18.07 | 24.22 | 24.47 | Complies |
| 802.11ac MCS0/Nss3 VHT40 | 5190 MHz | 12.12 | 12.76 | 12.49 | 12.44 | 18.48 | 24.47 | Complies |
| | 5230 MHz | 16.19 | 16.22 | 16.28 | 16.24 | 22.25 | 24.47 | Complies |
| | 5755 MHz | 17.97 | 18.67 | 17.48 | 17.78 | 24.02 | 24.47 | Complies |
| | 5795 MHz | 17.92 | 18.52 | 17.45 | 17.85 | 23.97 | 24.47 | Complies |
| 802.11ac MCS0/Nss3 VHT80 | 5210 MHz | 11.81 | 12.59 | 12.17 | 11.85 | 18.14 | 24.47 | Complies |
| | 5775 MHz | 13.45 | 13.93 | 13.32 | 13.50 | 19.58 | 24.47 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$ =11.53dBi, so limit=30-(11.53-6)=24.47dBm.

| Mode | Frequency | Conducted Power (dBm) | | | | | Max. Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| | | Chain 1 | Chain 2 | Chain 3 | Chain 4 | Total | | |
| 802.11ac MCS0/Nss2 VHT80+80 | 5210 MHz | 16.63 | 17.52 | - | - | 20.11 | 23.19 | Complies |
| | 5775 MHz | - | - | 16.11 | 16.63 | 19.39 | 23.19 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =12.81dBi, so limit=30-(12.81-6)=23.19dBm.

For Mode 4:

| Mode | Frequency | Conducted Power (dBm) | | | | | Max. Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| | | Chain 1 | Chain 2 | Chain 3 | Chain 4 | Total | | |
| 802.11ac MCS0/Nss1 VHT20 | 5180 MHz | 10.01 | 10.93 | 10.69 | 10.65 | 16.60 | 20.08 | Complies |
| | 5200 MHz | 10.46 | 10.17 | 10.53 | 10.08 | 16.33 | 20.08 | Complies |
| | 5240 MHz | 10.23 | 10.42 | 10.34 | 10.09 | 16.29 | 20.08 | Complies |
| | 5745 MHz | 10.49 | 11.11 | 10.59 | 10.89 | 16.80 | 20.08 | Complies |
| | 5785 MHz | 9.81 | 10.26 | 9.71 | 10.17 | 16.01 | 20.08 | Complies |
| | 5825 MHz | 10.82 | 11.14 | 10.10 | 10.89 | 16.77 | 20.08 | Complies |
| 802.11ac MCS0/Nss1 VHT40 | 5190 MHz | 10.88 | 10.79 | 10.89 | 10.76 | 16.85 | 20.08 | Complies |
| | 5230 MHz | 10.56 | 10.62 | 10.87 | 10.68 | 16.70 | 20.08 | Complies |
| | 5755 MHz | 10.66 | 10.71 | 9.74 | 10.39 | 16.41 | 20.08 | Complies |
| | 5795 MHz | 10.75 | 11.06 | 10.80 | 11.12 | 16.96 | 20.08 | Complies |
| 802.11ac MCS0/Nss1 VHT80 | 5210 MHz | 4.91 | 5.09 | 4.37 | 5.19 | 10.92 | 20.08 | Complies |
| | 5775 MHz | 10.37 | 10.41 | 9.91 | 10.62 | 16.36 | 20.08 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$ =15.92dBi, so limit=30-(15.92-6)=20.08dBm.

| Mode | Frequency | Conducted Power (dBm) | | | | | Max. Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| | | Chain 1 | Chain 2 | Chain 3 | Chain 4 | Total | | |
| 802.11ac MCS0/Nss2 VHT20 | 5180 MHz | 13.04 | 13.64 | 13.59 | 13.21 | 19.40 | 23.09 | Complies |
| | 5200 MHz | 13.32 | 13.65 | 13.47 | 13.25 | 19.45 | 23.09 | Complies |
| | 5240 MHz | 12.88 | 13.52 | 13.65 | 13.10 | 19.32 | 23.09 | Complies |
| | 5745 MHz | 13.58 | 14.41 | 13.72 | 13.81 | 19.91 | 23.09 | Complies |
| | 5785 MHz | 13.89 | 14.05 | 13.51 | 13.97 | 19.88 | 23.09 | Complies |
| | 5825 MHz | 13.77 | 13.92 | 13.47 | 13.54 | 19.70 | 23.09 | Complies |
| 802.11ac MCS0/Nss2 VHT40 | 5190 MHz | 13.05 | 13.81 | 13.72 | 13.16 | 19.47 | 23.09 | Complies |
| | 5230 MHz | 13.29 | 13.89 | 13.66 | 13.55 | 19.62 | 23.09 | Complies |
| | 5755 MHz | 13.75 | 14.50 | 13.62 | 13.93 | 19.98 | 23.09 | Complies |
| | 5795 MHz | 13.91 | 14.06 | 13.72 | 14.14 | 19.98 | 23.09 | Complies |
| 802.11ac MCS0/Nss2 VHT80 | 5210 MHz | 12.21 | 12.87 | 12.85 | 12.46 | 18.63 | 23.09 | Complies |
| | 5775 MHz | 13.84 | 14.17 | 13.68 | 14.13 | 19.98 | 23.09 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$ =12.91dBi, so limit=30-(12.91-6)=23.09dBm.

| Mode | Frequency | Conducted Power (dBm) | | | | | Max. Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| | | Chain 1 | Chain 2 | Chain 3 | Chain 4 | Total | | |
| 802.11ac MCS0/Nss3 VHT20 | 5180 MHz | 15.56 | 16.21 | 15.25 | 15.77 | 21.73 | 24.37 | Complies |
| | 5200 MHz | 15.24 | 15.66 | 14.89 | 14.79 | 21.18 | 24.37 | Complies |
| | 5240 MHz | 14.78 | 15.42 | 15.05 | 14.91 | 21.07 | 24.37 | Complies |
| | 5745 MHz | 15.30 | 16.41 | 15.46 | 15.64 | 21.74 | 24.37 | Complies |
| | 5785 MHz | 15.41 | 15.66 | 15.34 | 15.17 | 21.42 | 24.37 | Complies |
| | 5825 MHz | 15.61 | 15.75 | 15.13 | 15.23 | 21.46 | 24.37 | Complies |
| 802.11ac MCS0/Nss3 VHT40 | 5190 MHz | 13.39 | 13.64 | 13.71 | 13.41 | 19.56 | 24.37 | Complies |
| | 5230 MHz | 15.04 | 15.77 | 15.48 | 15.23 | 21.41 | 24.37 | Complies |
| | 5755 MHz | 15.28 | 15.81 | 15.56 | 15.82 | 21.64 | 24.37 | Complies |
| | 5795 MHz | 15.57 | 15.55 | 15.23 | 15.47 | 21.48 | 24.37 | Complies |
| 802.11ac MCS0/Nss3 VHT80 | 5210 MHz | 12.79 | 13.24 | 13.32 | 12.79 | 19.06 | 24.37 | Complies |
| | 5775 MHz | 12.44 | 13.01 | 12.24 | 12.46 | 18.57 | 24.37 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$ =11.63dBi, so limit=30-(11.63-6)=24.37dBm.

| Mode | Frequency | Conducted Power (dBm) | | | | | Max. Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| | | Chain 1 | Chain 2 | Chain 3 | Chain 4 | Total | | |
| 802.11ac MCS0/Nss2 VHT80+80 | 5210 MHz | 16.63 | 17.52 | - | - | 20.11 | 23.09 | Complies |
| | 5775 MHz | - | - | 16.11 | 16.63 | 19.39 | 23.09 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =12.91dBi, so limit=30-(12.91-6)=23.09dBm.

<For Radio 3 Mode>

For Mode 5:

| Mode | Frequency | Conducted Power (dBm) | Max. Limit (dBm) | Result |
|---|---|---|---|---|
| 802.11a | 5180 MHz | 18.15 | 30.00 | Complies |
| | 5200 MHz | 21.26 | 30.00 | Complies |
| | 5240 MHz | 16.60 | 30.00 | Complies |
| | 5745 MHz | 20.78 | 30.00 | Complies |
| | 5785 MHz | 20.41 | 30.00 | Complies |
| | 5825 MHz | 19.67 | 30.00 | Complies |
| 802.11ac MCS0/Nss1 VHT20 | 5180 MHz | 18.71 | 30.00 | Complies |
| | 5200 MHz | 21.46 | 30.00 | Complies |
| | 5240 MHz | 15.61 | 30.00 | Complies |
| | 5745 MHz | 20.19 | 30.00 | Complies |
| | 5785 MHz | 20.11 | 30.00 | Complies |
| | 5825 MHz | 20.13 | 30.00 | Complies |
| 802.11ac MCS0/Nss1 VHT40 | 5190 MHz | 13.03 | 30.00 | Complies |
| | 5230 MHz | 17.46 | 30.00 | Complies |
| | 5755 MHz | 20.46 | 30.00 | Complies |
| | 5795 MHz | 21.07 | 30.00 | Complies |
| 802.11ac MCS0/Nss1 VHT80 | 5210 MHz | 11.12 | 30.00 | Complies |
| | 5775 MHz | 18.39 | 30.00 | Complies |

## 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 |
|---|---|---|---|
| ☒ | 5.15~5.25 GHz | | |
| | Operating Mode | | |
| | ☒ | Outdoor access point | 17 dBm/MHz |
| | ☐ | Indoor access point | 17 dBm/MHz |
| | ☐ | Fixed point-to-point access points | 17 dBm/MHz |
| | ☐ | Client devices | 11 dBm/MHz |
| ☒ | 5.725~5.85 GHz | | 30 dBm/500kHz |

### 4.5.2. Measuring Instruments and Setting

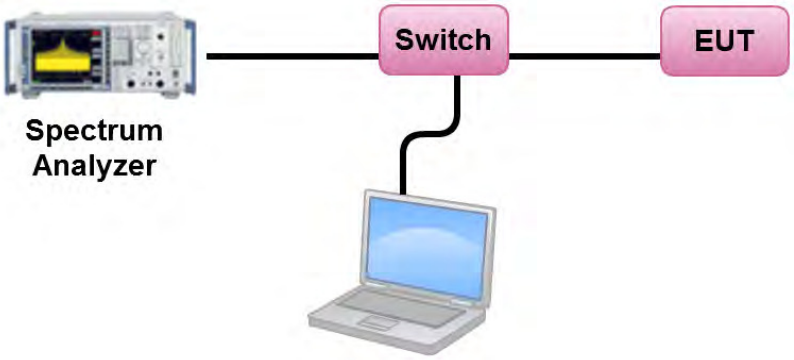
Please refer to section 5 of equipments list in this report. The following table is the setting of the spectrum analyzer.

| 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 10log(500kHz/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 v01r02 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 10log(500kHz/RBW) and the final result should ≤ 30 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 | 25°C | Humidity | 62% |
|---|---|---|---|
| Test Engineer | Peter Wu | Test Date | May 05, 2016 ~ Jun. 02, 2016 |

<For Radio 2 Non-beamforming Mode>

For Mode 1:

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 | 2.90 | 11.48 | Complies |
| 40 | 5200 MHz | 2.81 | 11.48 | Complies |
| 48 | 5240 MHz | 2.86 | 11.48 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =11.52dBi, so limit=17-(11.52-6)=11.48dBm/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 | 15.91 | -3.01 | 12.90 | 24.48 | Complies |
| 157 | 5785 MHz | 16.30 | -3.01 | 13.29 | 24.48 | Complies |
| 165 | 5825 MHz | 15.39 | -3.01 | 12.38 | 24.48 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =11.52dBi, so limit=30-(11.52-6)=24.48dBm/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 | 2.75 | 11.48 | Complies |
| 40 | 5200 MHz | 2.67 | 11.48 | Complies |
| 48 | 5240 MHz | 2.75 | 11.48 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =11.52dBi, so limit=17-(11.52-6)=11.48dBm/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 | 15.79 | -3.01 | 12.78 | 24.48 | Complies |
| 157 | 5785 MHz | 15.60 | -3.01 | 12.59 | 24.48 | Complies |
| 165 | 5825 MHz | 15.46 | -3.01 | 12.45 | 24.48 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =11.52dBi, so limit=30-(11.52-6)=24.48dBm/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 | -0.44 | 11.48 | Complies |
| 46 | 5230 MHz | -0.33 | 11.48 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$ =11.52dBi, so limit=17-(11.52-6)=11.48dBm/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 | 10.47 | -3.01 | 7.46 | 24.48 | Complies |
| 159 | 5795 MHz | 10.94 | -3.01 | 7.93 | 24.48 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$ =11.52dBi, so limit=30-(11.52-6)=24.48dBm/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 | -3.46 | 11.48 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =11.52dBi, so limit=17-(11.52-6)=11.48dBm/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 | 4.80 | -3.01 | 1.79 | 24.48 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =11.52dBi, so limit=30-(11.52-6)=24.48dBm/500kHz.

Configuration IEEE 802.11ac MCS0/Nss4 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---|---|---|---|---|
| 36 | 5180 MHz | 2.48 | 17.00 | Complies |
| 40 | 5200 MHz | 2.48 | 17.00 | Complies |
| 48 | 5240 MHz | 2.93 | 17.00 | Complies |

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result |
|---|---|---|---|---|---|---|
| 149 | 5745 MHz | 15.60 | -3.01 | 12.59 | 30.00 | Complies |
| 157 | 5785 MHz | 15.55 | -3.01 | 12.54 | 30.00 | Complies |
| 165 | 5825 MHz | 15.77 | -3.01 | 12.76 | 30.00 | Complies |

Configuration IEEE 802.11ac MCS0/Nss4 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---|---|---|---|---|
| 38 | 5190 MHz | -0.26 | 17.00 | Complies |
| 46 | 5230 MHz | -0.34 | 17.00 | Complies |

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result |
|---|---|---|---|---|---|---|
| 151 | 5755 MHz | 9.15 | -3.01 | 6.14 | 30.00 | Complies |
| 159 | 5795 MHz | 10.14 | -3.01 | 7.13 | 30.00 | Complies |

Configuration IEEE 802.11ac MCS0/Nss4 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---|---|---|---|---|
| 42 | 5210 MHz | -3.05 | 17.00 | Complies |

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result |
|---|---|---|---|---|---|---|
| 155 | 5775 MHz | 2.73 | -3.01 | -0.28 | 30.00 | Complies |

802.11ac MCS0/Nss2 VHT80+80 / Chain 1 + Chain 2 + Chain 3 + Chain 4

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---|---|---|---|---|
| 42 | 5210 MHz | 0.89 | 14.99 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =8.01dBi, so limit=17-(8.01-6)=14.99dBm/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 | 0.51 | -3.01 | -2.50 | 27.99 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =8.01dBi, so limit=30-(8.01-6)=27.99dBm/500kHz.

**For Mode 3:**

**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 | 7.15 | 7.18 | Complies |
| 40 | 5200 MHz | 7.05 | 7.18 | Complies |
| 48 | 5240 MHz | 7.00 | 7.18 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =15.82dBi, so limit=17-(15.82-6)=7.18dBm/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 | 12.39 | -3.01 | 9.38 | 20.18 | Complies |
| 157 | 5785 MHz | 12.43 | -3.01 | 9.42 | 20.18 | Complies |
| 165 | 5825 MHz | 12.79 | -3.01 | 9.78 | 20.18 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =15.82dBi, so limit=30-(15.82-6)=20.18dBm/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 | 7.02 | 7.18 | Complies |
| 40 | 5200 MHz | 7.00 | 7.18 | Complies |
| 48 | 5240 MHz | 7.11 | 7.18 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$ =15.82dBi, so limit=17-(15.82-6)=7.18dBm/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 | 12.80 | -3.01 | 9.79 | 20.18 | Complies |
| 157 | 5785 MHz | 12.81 | -3.01 | 9.80 | 20.18 | Complies |
| 165 | 5825 MHz | 12.79 | -3.01 | 9.78 | 20.18 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$ =15.82dBi, so limit=30-(15.82-6)=20.18dBm/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 | 3.96 | 7.18 | Complies |
| 46 | 5230 MHz | 0.85 | 7.18 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =15.82dBi, so limit=17-(15.82-6)=7.18dBm/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 | 9.97 | -3.01 | 6.96 | 20.18 | Complies |
| 159 | 5795 MHz | 9.47 | -3.01 | 6.46 | 20.18 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =15.82dBi, so limit=30-(15.82-6)=20.18dBm/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 | -0.63 | 7.18 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =15.82dBi, so limit=17-(15.82-6)=7.18dBm/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 | 3.83 | -3.01 | 0.82 | 20.18 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =15.82dBi, so limit=30-(15.82-6)=20.18dBm/500kHz.

Configuration IEEE 802.11ac MCS0/Nss4 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---|---|---|---|---|
| 36 | 5180 MHz | 9.70 | 13.10 | Complies |
| 40 | 5200 MHz | 10.42 | 13.10 | Complies |
| 48 | 5240 MHz | 10.40 | 13.10 | Complies |

Note: Antenna gain=9.90dBi, so limit=17-(9.80-6)=13.10dBm/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 | 12.78 | -3.01 | 9.77 | 26.10 | Complies |
| 157 | 5785 MHz | 12.93 | -3.01 | 9.92 | 26.10 | Complies |
| 165 | 5825 MHz | 12.67 | -3.01 | 9.66 | 26.10 | Complies |

Note: Antenna gain=9.90dBi, so limit=30-(9.80-6)=26.10dBm/500kHz.

Configuration IEEE 802.11ac MCS0/Nss4 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---|---|---|---|---|
| 38 | 5190 MHz | 1.56 | 13.10 | Complies |
| 46 | 5230 MHz | 7.13 | 13.10 | Complies |

Note: Antenna gain=9.90dBi, so limit=17-(9.80-6)=13.10dBm/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 | 9.71 | -3.01 | 6.70 | 26.10 | Complies |
| 159 | 5795 MHz | 9.80 | -3.01 | 6.79 | 26.10 | Complies |

Note: Antenna gain=9.90dBi, so limit=30-(9.80-6)=26.10dBm/500kHz.

Configuration IEEE 802.11ac MCS0/Nss4 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---|---|---|---|---|
| 42 | 5210 MHz | -0.88 | 13.10 | Complies |

Note: Antenna gain=9.90dBi, so limit=17-(9.80-6)=13.10dBm/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 | 3.55 | -3.01 | 0.54 | 26.10 | Complies |

Note: Antenna gain=9.90dBi, so limit=30-(9.80-6)=26.10dBm/500kHz.

802.11ac MCS0/Nss2 VHT80+80 / Chain 1 + Chain 2 + Chain 3 + Chain 4

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---|---|---|---|---|
| 42 | 5210 MHz | -0.11 | 10.19 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =12.81dBi, so limit=17-(12.81-6)=10.19dBm/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 | -0.31 | -3.01 | -3.32 | 23.19 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =12.81dBi, so limit=30-(12.81-6)=23.19dBm/500kHz.

**For Mode 4:**

**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 | 6.83 | 7.08 | Complies |
| 40 | 5200 MHz | 6.77 | 7.08 | Complies |
| 48 | 5240 MHz | 6.87 | 7.08 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =15.92dBi, so limit=17-(15.92-6)=7.08dBm/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 | 12.63 | -3.01 | 9.62 | 20.08 | Complies |
| 157 | 5785 MHz | 12.65 | -3.01 | 9.64 | 20.08 | Complies |
| 165 | 5825 MHz | 12.54 | -3.01 | 9.53 | 20.08 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =15.92dBi, so limit=30-(15.92-6)=20.08dBm/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 | 6.57 | 7.08 | Complies |
| 40 | 5200 MHz | 6.53 | 7.08 | Complies |
| 48 | 5240 MHz | 6.61 | 7.08 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =15.92dBi, so limit=17-(15.92-6)=7.08dBm/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 | 12.49 | -3.01 | 9.48 | 20.08 | Complies |
| 157 | 5785 MHz | 12.46 | -3.01 | 9.45 | 20.08 | Complies |
| 165 | 5825 MHz | 12.36 | -3.01 | 9.35 | 20.08 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =15.92dBi, so limit=30-(15.92-6)=20.08dBm/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 | 3.96 | 7.08 | Complies |
| 46 | 5230 MHz | 7.05 | 7.08 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =15.92dBi, so limit=17-(15.92-6)=7.08dBm/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 | 9.72 | -3.01 | 6.71 | 20.08 | Complies |
| 159 | 5795 MHz | 9.83 | -3.01 | 6.82 | 20.08 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =15.92dBi, so limit=30-(15.92-6)=20.08dBm/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 | -0.63 | 7.08 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =15.92dBi, so limit=17-(15.92-6)=7.08dBm/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 | 1.87 | -3.01 | -1.14 | 20.08 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =15.92dBi, so limit=30-(15.92-6)=20.08dBm/500kHz.

Configuration IEEE 802.11ac MCS0/Nss4 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---|---|---|---|---|
| 36 | 5180 MHz | 9.09 | 13.00 | Complies |
| 40 | 5200 MHz | 10.14 | 13.00 | Complies |
| 48 | 5240 MHz | 12.03 | 13.00 | Complies |

Note: Antenna gain=10.00dBi, so limit=17-(10.00-6)=13.00dBm/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 | 12.31 | -3.01 | 9.30 | 26.00 | Complies |
| 157 | 5785 MHz | 12.43 | -3.01 | 9.42 | 26.00 | Complies |
| 165 | 5825 MHz | 12.37 | -3.01 | 9.36 | 26.00 | Complies |

Note: Antenna gain=10.00dBi, so limit=30-(10.00-6)=26.00dBm/500kHz.

Configuration IEEE 802.11ac MCS0/Nss4 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---|---|---|---|---|
| 38 | 5190 MHz | 3.74 | 13.00 | Complies |
| 46 | 5230 MHz | 7.94 | 13.00 | Complies |

Note: Antenna gain=10.00dBi, so limit=17-(10.00-6)=13.00dBm/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 | 8.82 | -3.01 | 5.81 | 26.00 | Complies |
| 159 | 5795 MHz | 8.85 | -3.01 | 5.84 | 26.00 | Complies |

Note: Antenna gain=10.00dBi, so limit=30-(10.00-6)=26.00dBm/500kHz.

Configuration IEEE 802.11ac MCS0/Nss4 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---|---|---|---|---|
| 42 | 5210 MHz | -1.07 | 13.00 | Complies |

Note: Antenna gain=10.00dBi, so limit=17-(10.00-6)=13.00dBm/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 | 1.12 | -3.01 | -1.89 | 26.00 | Complies |

Note: Antenna gain=10.00dBi, so limit=30-(10.00-6)=26.00dBm/500kHz.

802.11ac MCS0/Nss2 VHT80+80 / Chain 1 + Chain 2 + Chain 3 + Chain 4

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---|---|---|---|---|
| 42 | 5210 MHz | 0.89 | 10.09 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =12.91dBi, so limit=17-(12.91-6)=10.09dBm/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 | 0.51 | -3.01 | -2.50 | 23.09 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =12.91dBi, so limit=30-(12.91-6)=23.09dBm/500kHz.

<For Radio 2 Beamforming Mode>

For Mode 1:

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 | -3.33 | 11.48 | Complies |
| 40 | 5200 MHz | -3.20 | 11.48 | Complies |
| 48 | 5240 MHz | -3.34 | 11.48 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =11.52dBi, so limit=17-(11.52-6)=11.48dBm/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 | 9.66 | -3.01 | 6.65 | 24.48 | Complies |
| 157 | 5785 MHz | 8.96 | -3.01 | 5.95 | 24.48 | Complies |
| 165 | 5825 MHz | 8.45 | -3.01 | 5.44 | 24.48 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =11.52dBi, so limit=30-(11.52-6)=24.48dBm/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 | -6.51 | 11.48 | Complies |
| 46 | 5230 MHz | -6.50 | 11.48 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =11.52dBi, so limit=17-(11.52-6)=11.48dBm/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 | 6.47 | -3.01 | 3.46 | 24.48 | Complies |
| 159 | 5795 MHz | 6.62 | -3.01 | 3.61 | 24.48 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =11.52dBi, so limit=30-(11.52-6)=24.48dBm/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 | -9.31 | 11.48 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =11.52dBi, so limit=17-(11.52-6)=11.48dBm/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 | 3.96 | -3.01 | 0.95 | 24.48 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =11.52dBi, so limit=30-(11.52-6)=24.48dBm/500kHz.

**Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---|---|---|---|---|
| 36 | 5180 MHz | -0.40 | 14.49 | Complies |
| 40 | 5200 MHz | -0.29 | 14.49 | Complies |
| 48 | 5240 MHz | -0.38 | 14.49 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =8.51dBi, so limit=17-(8.51-6)=14.49dBm/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 | 13.88 | -3.01 | 10.87 | 27.49 | Complies |
| 157 | 5785 MHz | 13.86 | -3.01 | 10.85 | 27.49 | Complies |
| 165 | 5825 MHz | 13.59 | -3.01 | 10.58 | 27.49 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =8.51dBi, so limit=30-(8.51-6)=27.49dBm/500kHz.

**Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---|---|---|---|---|
| 38 | 5190 MHz | -3.28 | 14.49 | Complies |
| 46 | 5230 MHz | -3.43 | 14.49 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =8.51dBi, so limit=17-(8.51-6)=14.49dBm/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 | 9.84 | -3.01 | 6.83 | 27.49 | Complies |
| 159 | 5795 MHz | 9.82 | -3.01 | 6.81 | 27.49 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =8.51dBi, so limit=30-(8.51-6)=27.49dBm/500kHz.

**Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---|---|---|---|---|
| 42 | 5210 MHz | -5.93 | 14.49 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =8.51dBi, so limit=17-(8.51-6)=14.49dBm/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 | 2.59 | -3.01 | -0.42 | 27.49 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =8.51dBi, so limit=30-(8.51-6)=27.49dBm/500kHz.

**Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---|---|---|---|---|
| 36 | 5180 MHz | 1.46 | 15.77 | Complies |
| 40 | 5200 MHz | 1.12 | 15.77 | Complies |
| 48 | 5240 MHz | 1.29 | 15.77 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =7.23dBi, so limit=17-(7.23-6)=15.77dBm/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 | 13.55 | -3.01 | 10.54 | 28.77 | Complies |
| 157 | 5785 MHz | 13.96 | -3.01 | 10.95 | 28.77 | Complies |
| 165 | 5825 MHz | 13.94 | -3.01 | 10.93 | 28.77 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =7.23dBi, so limit=30-(7.23-6)=28.77dBm/500kHz.

**Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---|---|---|---|---|
| 38 | 5190 MHz | -1.25 | 15.77 | Complies |
| 46 | 5230 MHz | -1.54 | 15.77 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =7.23dBi, so limit=17-(7.23-6)=15.77dBm/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 | 9.38 | -3.01 | 6.37 | 28.77 | Complies |
| 159 | 5795 MHz | 9.51 | -3.01 | 6.50 | 28.77 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =7.23dBi, so limit=30-(7.23-6)=28.77dBm/500kHz.

**Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---|---|---|---|---|
| 42 | 5210 MHz | -4.51 | 15.77 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =7.23dBi, so limit=17-(7.23-6)=15.77dBm/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 | 5.21 | -3.01 | 2.20 | 28.77 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =7.23dBi, so limit=30-(7.23-6)=28.77dBm/500kHz.

802.11ac MCS0/Nss2 VHT80+80 / Chain 1 + Chain 2 + Chain 3 + Chain 4

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---|---|---|---|---|
| 42 | 5210 MHz | -6.81 | 14.49 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =8.51dBi, so limit=17-(8.51-6)=14.49dBm/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 | -7.38 | -3.01 | -10.39 | 27.49 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =8.51dBi, so limit=30-(8.51-6)=27.49dBm/500kHz.

**For Mode 2:**

**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 | 4.83 | 11.98 | Complies |
| 40 | 5200 MHz | 5.46 | 11.98 | Complies |
| 48 | 5240 MHz | 5.10 | 11.98 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =11.02dBi, so limit=17-(11.02-6)=11.98dBm/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 | 11.54 | -3.01 | 8.53 | 24.98 | Complies |
| 157 | 5785 MHz | 11.73 | -3.01 | 8.72 | 24.98 | Complies |
| 165 | 5825 MHz | 11.66 | -3.01 | 8.65 | 24.98 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =11.02dBi, so limit=30-(11.02-6)=24.98dBm/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 | 1.46 | 11.98 | Complies |
| 46 | 5230 MHz | 2.15 | 11.98 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =11.02dBi, so limit=17-(11.02-6)=11.98dBm/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 | 8.77 | -3.01 | 5.76 | 24.98 | Complies |
| 159 | 5795 MHz | 8.78 | -3.01 | 5.77 | 24.98 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =11.02dBi, so limit=30-(11.02-6)=24.98dBm/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 | -2.24 | 11.98 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =11.02dBi, so limit=17-(11.02-6)=11.98dBm/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 | 4.87 | -3.01 | 1.86 | 24.98 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =11.02dBi, so limit=30-(11.02-6)=24.98dBm/500kHz.

**Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---|---|---|---|---|
| 36 | 5180 MHz | 8.42 | 14.99 | Complies |
| 40 | 5200 MHz | 8.35 | 14.99 | Complies |
| 48 | 5240 MHz | 8.11 | 14.99 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =8.01dBi, so limit=17-(8.01-6)=14.99dBm/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 | 14.63 | -3.01 | 11.62 | 27.99 | Complies |
| 157 | 5785 MHz | 14.67 | -3.01 | 11.66 | 27.99 | Complies |
| 165 | 5825 MHz | 14.19 | -3.01 | 11.18 | 27.99 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =8.01dBi, so limit=30-(8.01-6)=27.99dBm/500kHz.

**Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---|---|---|---|---|
| 38 | 5190 MHz | 4.97 | 14.99 | Complies |
| 46 | 5230 MHz | 4.91 | 14.99 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =8.01dBi, so limit=17-(8.01-6)=14.99dBm/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 | 8.87 | -3.01 | 5.86 | 27.99 | Complies |
| 159 | 5795 MHz | 9.82 | -3.01 | 6.81 | 27.99 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =8.01dBi, so limit=30-(8.01-6)=27.99dBm/500kHz.

**Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---|---|---|---|---|
| 42 | 5210 MHz | 1.52 | 14.99 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =8.01dBi, so limit=17-(8.01-6)=14.99dBm/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 | 3.72 | -3.01 | 0.71 | 27.99 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =8.01dBi, so limit=30-(8.01-6)=27.99dBm/500kHz.

**Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---|---|---|---|---|
| 36 | 5180 MHz | 8.84 | 16.27 | Complies |
| 40 | 5200 MHz | 9.97 | 16.27 | Complies |
| 48 | 5240 MHz | 9.66 | 16.27 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =6.73dBi, so limit=17-(6.73-6)=16.27dBm/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 | 13.97 | -3.01 | 10.96 | 29.27 | Complies |
| 157 | 5785 MHz | 13.96 | -3.01 | 10.95 | 29.27 | Complies |
| 165 | 5825 MHz | 13.23 | -3.01 | 10.22 | 29.27 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =6.73dBi, so limit=30-(6.73-6)=29.27dBm/500kHz.

**Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---|---|---|---|---|
| 38 | 5190 MHz | 6.40 | 16.27 | Complies |
| 46 | 5230 MHz | 7.04 | 16.27 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =6.73dBi, so limit=17-(6.73-6)=16.27dBm/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 | 8.67 | -3.01 | 5.66 | 29.27 | Complies |
| 159 | 5795 MHz | 8.21 | -3.01 | 5.20 | 29.27 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =6.73dBi, so limit=30-(6.73-6)=29.27dBm/500kHz.

**Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---|---|---|---|---|
| 42 | 5210 MHz | 2.98 | 16.27 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =6.73dBi, so limit=17-(6.73-6)=16.27dBm/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 | 2.16 | -3.01 | -0.85 | 29.27 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =6.73dBi, so limit=30-(6.73-6)=29.27dBm/500kHz.

802.11ac MCS0/Nss2 VHT80+80 / Chain 1 + Chain 2 + Chain 3 + Chain 4

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---|---|---|---|---|
| 42 | 5210 MHz | 1.93 | 14.99 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =8.01dBi, so limit=17-(8.01-6)=14.99dBm/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 | 0.28 | -3.01 | -2.73 | 27.99 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =8.01dBi, so limit=30-(8.01-6)=27.99dBm/500kHz.

**For Mode 3:**

**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 | 3.93 | 7.18 | Complies |
| 40 | 5200 MHz | 3.97 | 7.18 | Complies |
| 48 | 5240 MHz | 4.05 | 7.18 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =15.82dBi, so limit=17-(15.82-6)=7.18dBm/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 | 6.86 | -3.01 | 3.85 | 20.18 | Complies |
| 157 | 5785 MHz | 7.04 | -3.01 | 4.03 | 20.18 | Complies |
| 165 | 5825 MHz | 6.97 | -3.01 | 3.96 | 20.18 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =15.82dBi, so limit=30-(15.82-6)=20.18dBm/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 | 0.56 | 7.18 | Complies |
| 46 | 5230 MHz | 1.50 | 7.18 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$ =15.82dBi, so limit=17-(15.82-6)=7.18dBm/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 | 3.47 | -3.01 | 0.46 | 20.18 | Complies |
| 159 | 5795 MHz | 3.55 | -3.01 | 0.54 | 20.18 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$ =15.82dBi, so limit=30-(15.82-6)=20.18dBm/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 | -2.24 | 7.18 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =15.82dBi, so limit=17-(15.82-6)=7.18dBm/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 | 0.80 | -3.01 | -2.21 | 20.18 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =15.82dBi, so limit=30-(15.82-6)=20.18dBm/500kHz.

**Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---|---|---|---|---|
| 36 | 5180 MHz | 7.32 | 10.19 | Complies |
| 40 | 5200 MHz | 7.42 | 10.19 | Complies |
| 48 | 5240 MHz | 7.07 | 10.19 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$ =12.81dBi, so limit=17-(12.81-6)=10.19dBm/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 | 9.72 | -3.01 | 6.71 | 23.19 | Complies |
| 157 | 5785 MHz | 9.80 | -3.01 | 6.79 | 23.19 | Complies |
| 165 | 5825 MHz | 9.88 | -3.01 | 6.87 | 23.19 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$ =12.81dBi, so limit=30-(12.81-6)=23.19dBm/500kHz.

**Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---|---|---|---|---|
| 38 | 5190 MHz | 3.98 | 10.19 | Complies |
| 46 | 5230 MHz | 4.32 | 10.19 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =12.81dBi, so limit=17-(12.81-6)=10.19dBm/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 | 6.61 | -3.01 | 3.60 | 23.19 | Complies |
| 159 | 5795 MHz | 6.87 | -3.01 | 3.86 | 23.19 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =12.81dBi, so limit=30-(12.81-6)=23.19dBm/500kHz.

**Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---|---|---|---|---|
| 42 | 5210 MHz | -1.75 | 10.19 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =12.81dBi, so limit=17-(12.81-6)=10.19dBm/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 | 3.82 | -3.01 | 0.81 | 23.19 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =12.81dBi, so limit=30-(12.81-6)=23.19dBm/500kHz.

**Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---|---|---|---|---|
| 36 | 5180 MHz | 7.85 | 11.47 | Complies |
| 40 | 5200 MHz | 8.72 | 11.47 | Complies |
| 48 | 5240 MHz | 8.63 | 11.47 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$ =11.53dBi, so limit=17-(11.53-6)=11.47dBm/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 | 10.91 | -3.01 | 7.90 | 24.47 | Complies |
| 157 | 5785 MHz | 11.06 | -3.01 | 8.05 | 24.47 | Complies |
| 165 | 5825 MHz | 10.95 | -3.01 | 7.94 | 24.47 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$ =11.53dBi, so limit=30-(11.53-6)=24.47dBm/500kHz.

**Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---|---|---|---|---|
| 38 | 5190 MHz | 2.33 | 11.47 | Complies |
| 46 | 5230 MHz | 6.23 | 11.47 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =11.53dBi, so limit=17-(11.53-6)=11.47dBm/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 | 7.93 | -3.01 | 4.92 | 24.47 | Complies |
| 159 | 5795 MHz | 7.91 | -3.01 | 4.90 | 24.47 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =11.53dBi, so limit=30-(11.53-6)=24.47dBm/500kHz.

**Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---|---|---|---|---|
| 42 | 5210 MHz | -1.06 | 11.47 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =11.53dBi, so limit=17-(11.53-6)=11.47dBm/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 | 0.25 | -3.01 | -2.76 | 24.47 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =11.53dBi, so limit=30-(11.53-6)=24.47dBm/500kHz.

802.11ac MCS0/Nss2 VHT80+80 / Chain 1 + Chain 2 + Chain 3 + Chain 4

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---|---|---|---|---|
| 42 | 5210 MHz | 0.97 | 10.19 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =12.81dBi, so limit=17-(12.81-6)=10.19dBm/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 | 0.30 | -3.01 | -2.71 | 23.19 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =12.81dBi, so limit=30-(12.81-6)=23.19dBm/500kHz.

**For Mode 4:**

**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 | 6.13 | 7.08 | Complies |
| 40 | 5200 MHz | 6.04 | 7.08 | Complies |
| 48 | 5240 MHz | 6.08 | 7.08 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =15.92dBi, so limit=17-(15.92-6)=7.08dBm/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 | 6.64 | -3.01 | 3.63 | 20.08 | Complies |
| 157 | 5785 MHz | 6.83 | -3.01 | 3.82 | 20.08 | Complies |
| 165 | 5825 MHz | 6.69 | -3.01 | 3.68 | 20.08 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =15.92dBi, so limit=30-(15.92-6)=20.08dBm/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 | 2.12 | 7.08 | Complies |
| 46 | 5230 MHz | 3.17 | 7.08 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$ =15.92dBi, so limit=17-(15.92-6)=7.08dBm/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 | 3.79 | -3.01 | 0.78 | 20.08 | Complies |
| 159 | 5795 MHz | 3.94 | -3.01 | 0.93 | 20.08 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$ =15.92dBi, so limit=30-(15.92-6)=20.08dBm/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 | -8.51 | 7.08 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =15.92dBi, so limit=17-(15.92-6)=7.08dBm/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 | 0.83 | -3.01 | -2.18 | 20.08 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =15.92dBi, so limit=30-(15.92-6)=20.08dBm/500kHz.

**Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---|---|---|---|---|
| 36 | 5180 MHz | 8.97 | 10.09 | Complies |
| 40 | 5200 MHz | 8.94 | 10.09 | Complies |
| 48 | 5240 MHz | 8.93 | 10.09 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$ =12.91dBi, so limit=17-(12.91-6)=10.09dBm/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 | 9.62 | -3.01 | 6.61 | 23.09 | Complies |
| 157 | 5785 MHz | 9.71 | -3.01 | 6.70 | 23.09 | Complies |
| 165 | 5825 MHz | 9.62 | -3.01 | 6.61 | 23.09 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$ =12.91dBi, so limit=30-(12.91-6)=23.09dBm/500kHz.

**Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---|---|---|---|---|
| 38 | 5190 MHz | 5.24 | 10.09 | Complies |
| 46 | 5230 MHz | 5.99 | 10.09 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =12.91dBi, so limit=17-(12.91-6)=10.09dBm/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 | 6.85 | -3.01 | 3.84 | 23.09 | Complies |
| 159 | 5795 MHz | 6.73 | -3.01 | 3.72 | 23.09 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =12.91dBi, so limit=30-(12.91-6)=23.09dBm/500kHz.

**Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---|---|---|---|---|
| 42 | 5210 MHz | -0.58 | 10.09 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =12.91dBi, so limit=17-(12.91-6)=10.09dBm/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 | 0.91 | -3.01 | -2.10 | 23.09 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =12.91dBi, so limit=30-(12.91-6)=23.09dBm/500kHz.

**Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---|---|---|---|---|
| 36 | 5180 MHz | 8.50 | 11.37 | Complies |
| 40 | 5200 MHz | 7.81 | 11.37 | Complies |
| 48 | 5240 MHz | 7.67 | 11.37 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =11.63dBi, so limit=17-(11.63-6)=11.37dBm/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 | 8.36 | -3.01 | 5.35 | 24.37 | Complies |
| 157 | 5785 MHz | 8.39 | -3.01 | 5.38 | 24.37 | Complies |
| 165 | 5825 MHz | 8.46 | -3.01 | 5.45 | 24.37 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =11.63dBi, so limit=30-(11.63-6)=24.37dBm/500kHz.

**Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---|---|---|---|---|
| 38 | 5190 MHz | 3.23 | 11.37 | Complies |
| 46 | 5230 MHz | 5.02 | 11.37 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$ =11.63dBi, so limit=17-(11.63-6)=11.37dBm/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 | 5.44 | -3.01 | 2.43 | 24.37 | Complies |
| 159 | 5795 MHz | 5.11 | -3.01 | 2.10 | 24.37 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$ =11.63dBi, so limit=30-(11.63-6)=24.37dBm/500kHz.

**Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4**

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---|---|---|---|---|
| 42 | 5210 MHz | -0.19 | 11.37 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =11.63dBi, so limit=17-(11.63-6)=11.37dBm/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 | -0.87 | -3.01 | -3.88 | 24.37 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =11.63dBi, so limit=30-(11.63-6)=24.37dBm/500kHz.

802.11ac MCS0/Nss2 VHT80+80 / Chain 1 + Chain 2 + Chain 3 + Chain 4

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---|---|---|---|---|
| 42 | 5210 MHz | 0.97 | 10.09 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =12.91dBi, so limit=17-(12.91-6)=10.09dBm/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 | 0.30 | -3.01 | -2.71 | 23.09 | Complies |

Note:

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$ =12.91dBi, so limit=30-(12.91-6)=23.09dBm/500kHz.

<For Radio 3 Mode>

For Mode 5:

Configuration IEEE 802.11a / Chain 5

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---|---|---|---|---|
| 36 | 5180 MHz | 5.06 | 17.00 | Complies |
| 40 | 5200 MHz | 7.93 | 17.00 | Complies |
| 48 | 5240 MHz | 3.58 | 17.00 | Complies |

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result |
|---|---|---|---|---|---|---|
| 149 | 5745 MHz | 7.58 | -3.01 | 4.57 | 30.00 | Complies |
| 157 | 5785 MHz | 7.26 | -3.01 | 4.25 | 30.00 | Complies |
| 165 | 5825 MHz | 6.46 | -3.01 | 3.45 | 30.00 | Complies |

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 5

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---|---|---|---|---|
| 36 | 5180 MHz | 5.69 | 17.00 | Complies |
| 40 | 5200 MHz | 8.26 | 17.00 | Complies |
| 48 | 5240 MHz | 2.55 | 17.00 | Complies |

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result |
|---|---|---|---|---|---|---|
| 149 | 5745 MHz | 6.92 | -3.01 | 3.91 | 30.00 | Complies |
| 157 | 5785 MHz | 6.88 | -3.01 | 3.87 | 30.00 | Complies |
| 165 | 5825 MHz | 6.84 | -3.01 | 3.83 | 30.00 | Complies |

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 5

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---|---|---|---|---|
| 38 | 5190 MHz | -3.34 | 17.00 | Complies |
| 46 | 5230 MHz | 0.87 | 17.00 | Complies |

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result |
|---|---|---|---|---|---|---|
| 151 | 5755 MHz | 3.92 | -3.01 | 0.91 | 30.00 | Complies |
| 159 | 5795 MHz | 4.85 | -3.01 | 1.84 | 30.00 | Complies |

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 5

| Channel | Frequency | Power Density (dBm/MHz) | Max. Limit (dBm/MHz) | Result |
|---|---|---|---|---|
| 42 | 5210 MHz | -8.32 | 17.00 | Complies |

| Channel | Frequency | Power Density (dBm/MHz) | 10log(500kHz/RBW) Factor (dB) | Power Density (dBm/500kHz) | Power Density Limit (dBm/500kHz) | Result |
|---|---|---|---|---|---|---|
| 155 | 5775 MHz | -0.78 | -3.01 | -3.79 | 30.00 | Complies |

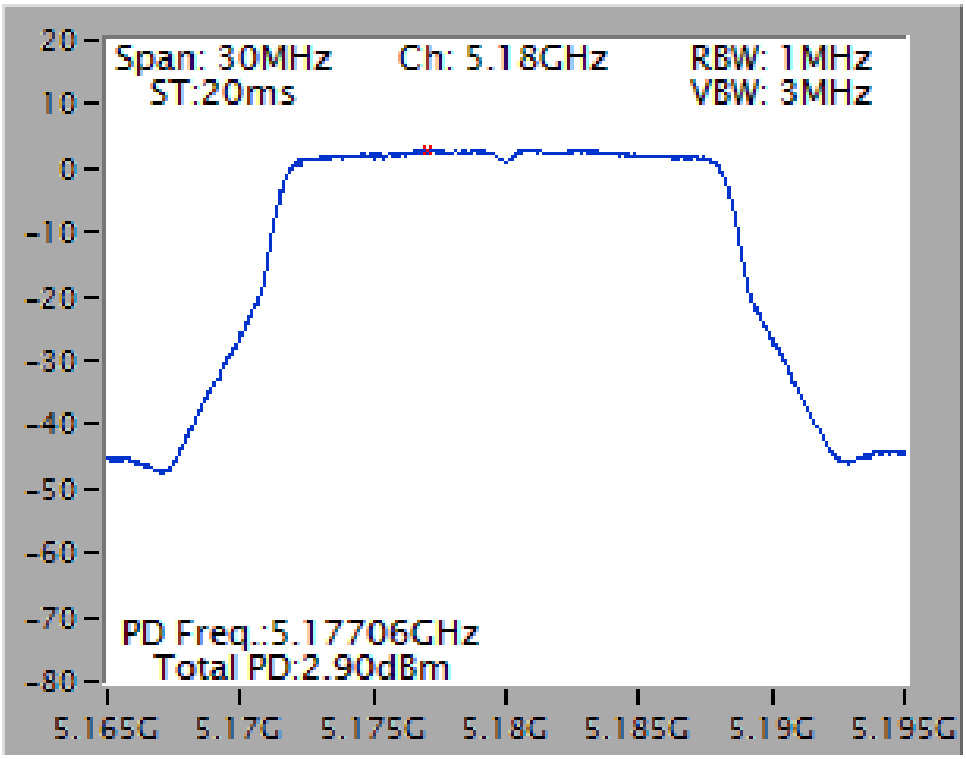
Note: All the test values were listed in the report.

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

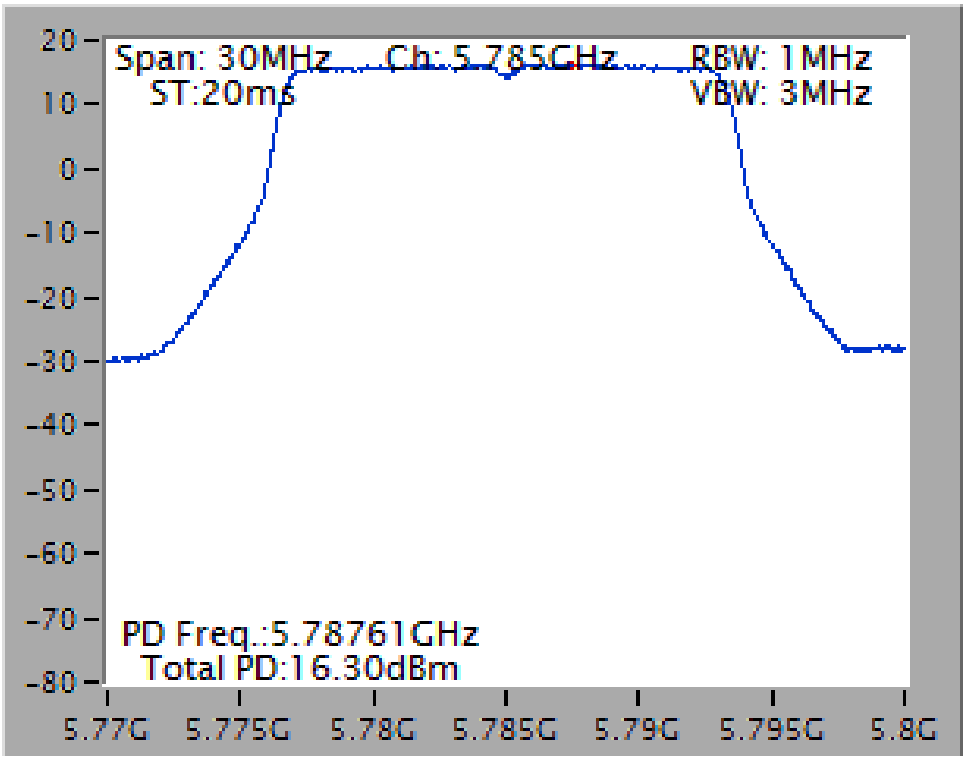
<For Radio 2 Non-beamforming Mode>

For Mode 1:

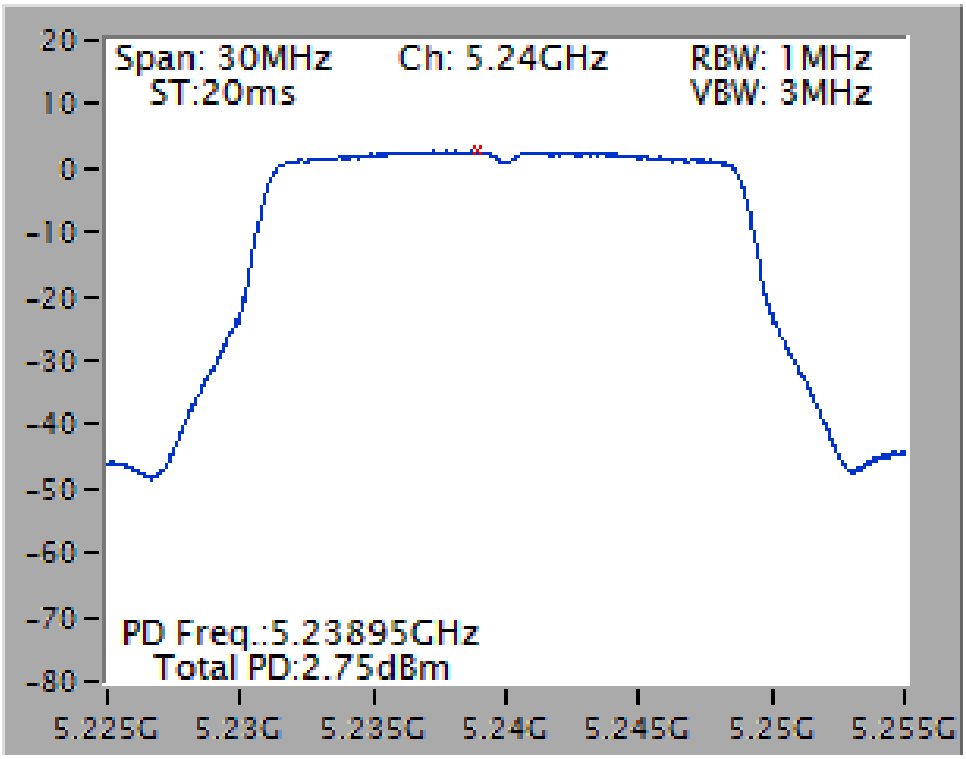
Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5180 MHz



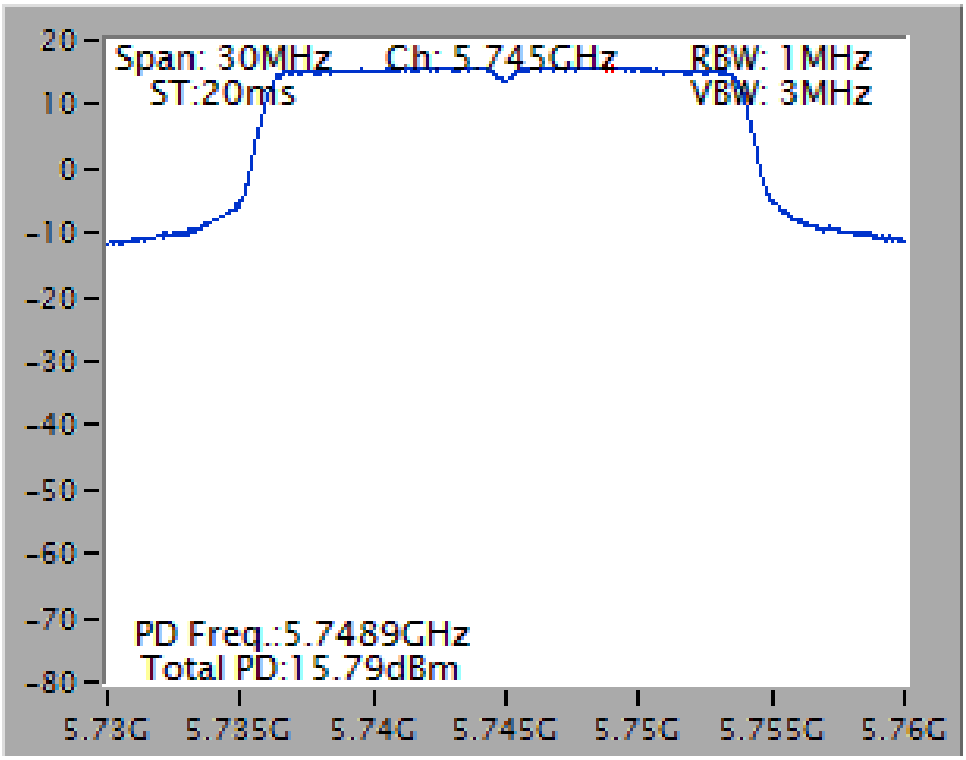

Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz



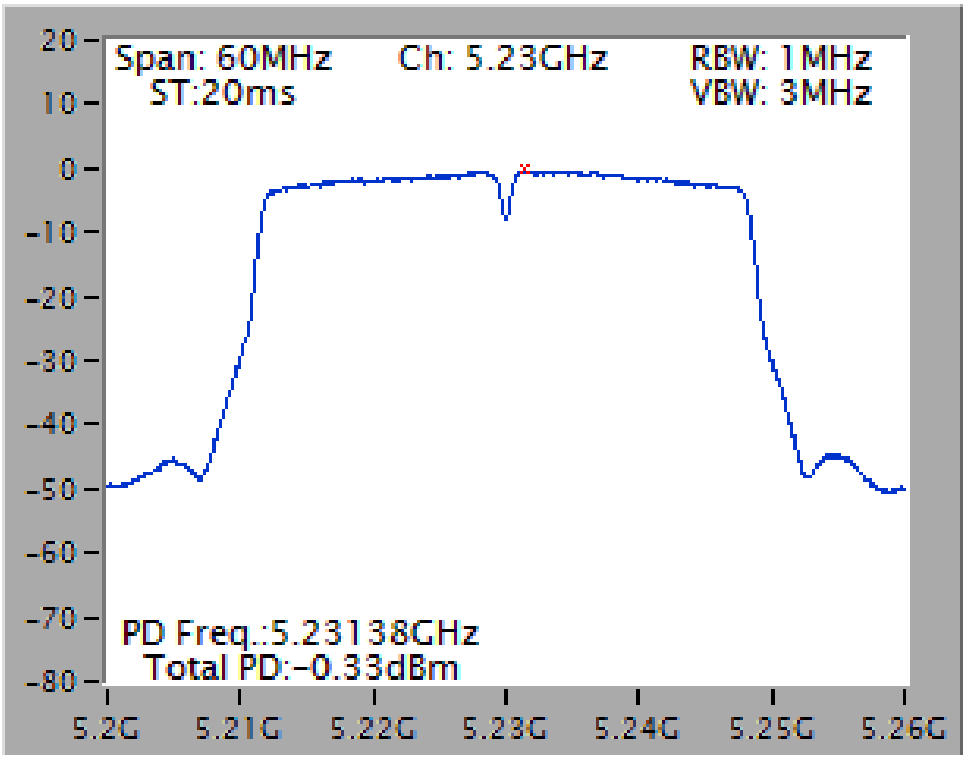
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5240 MHz**



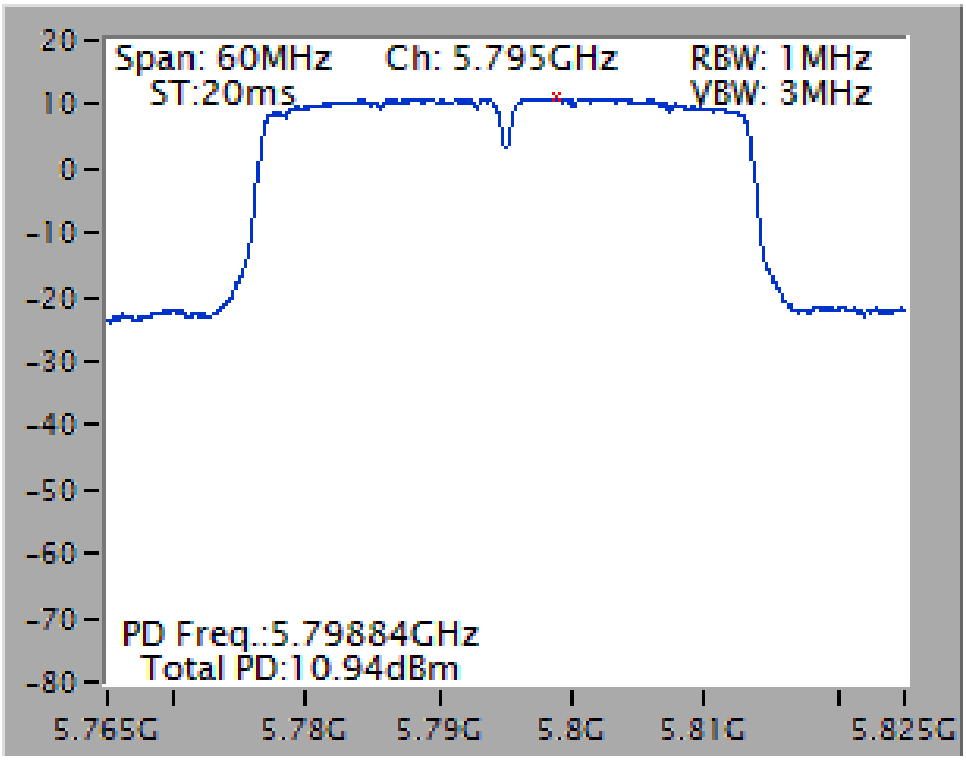

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5745 MHz**



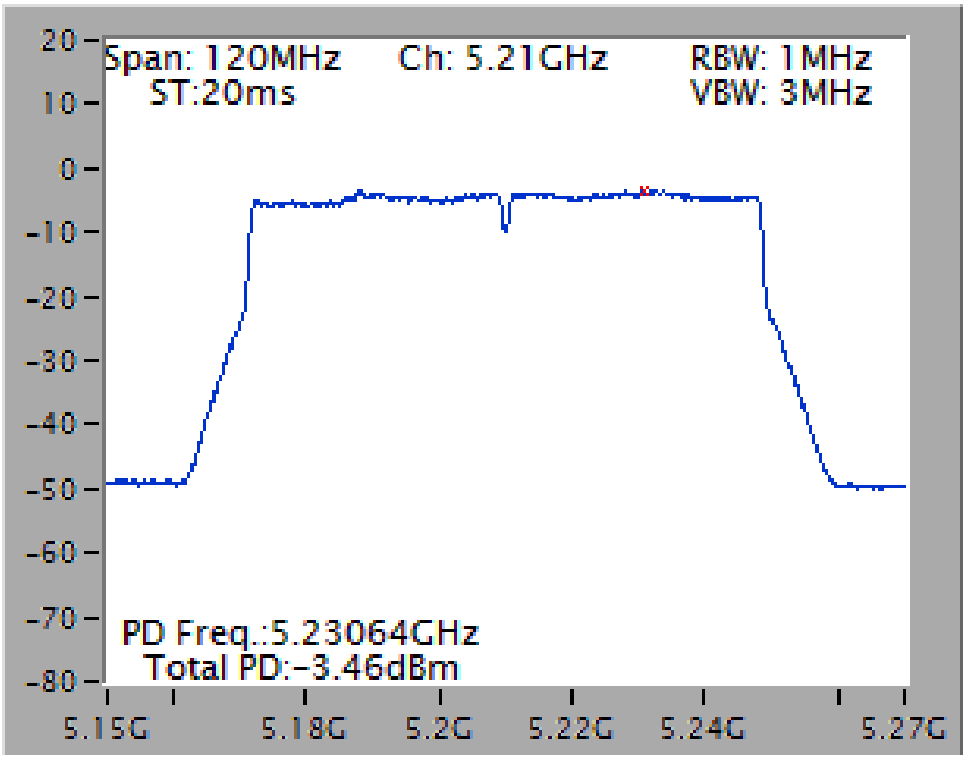
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5230 MHz**



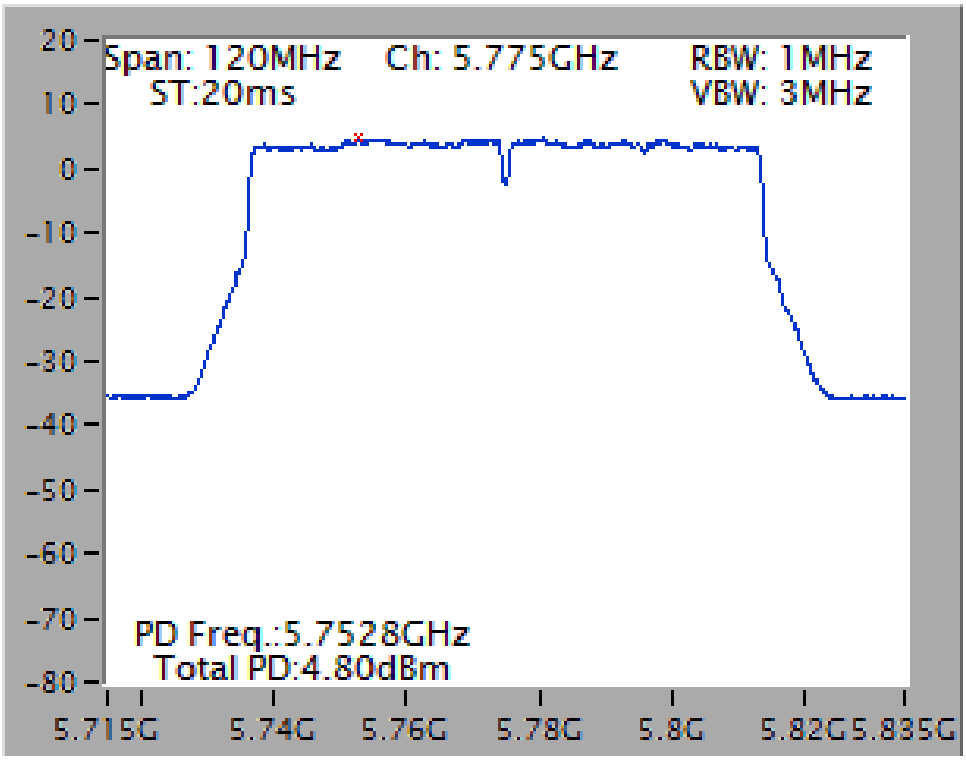

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5795 MHz**



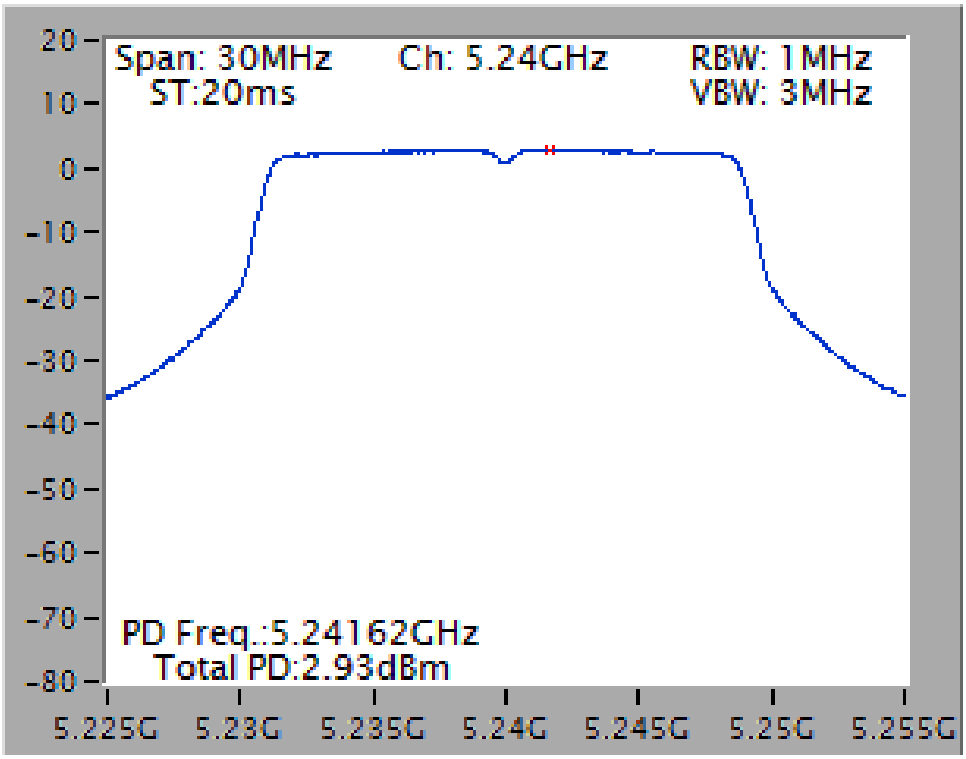
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5210 MHz**



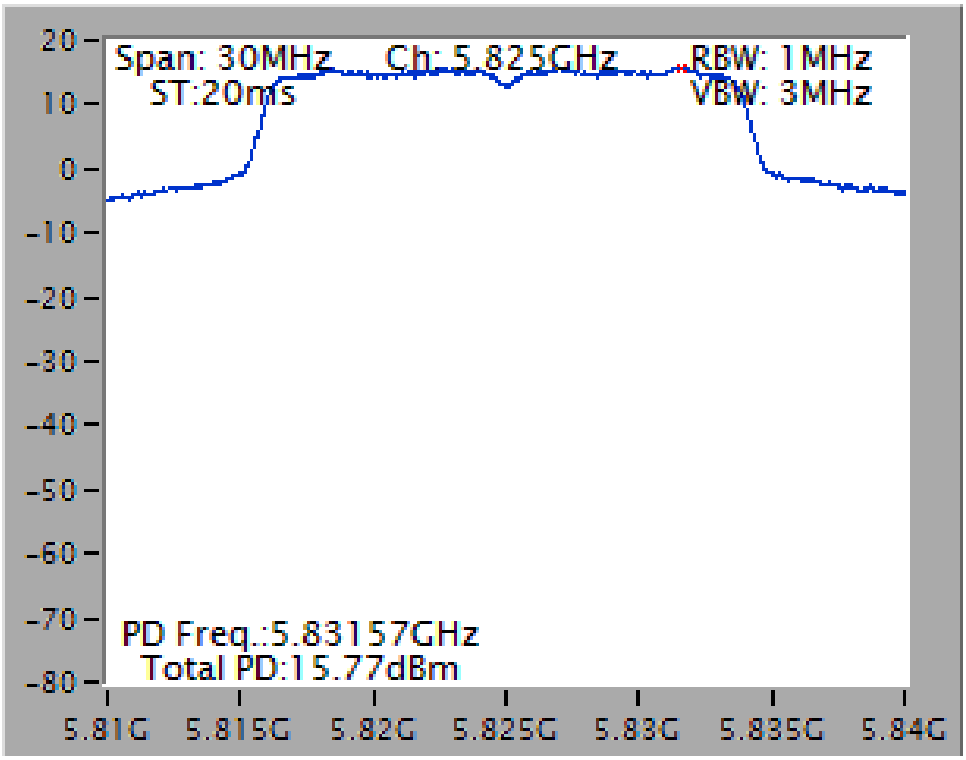

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5775 MHz**



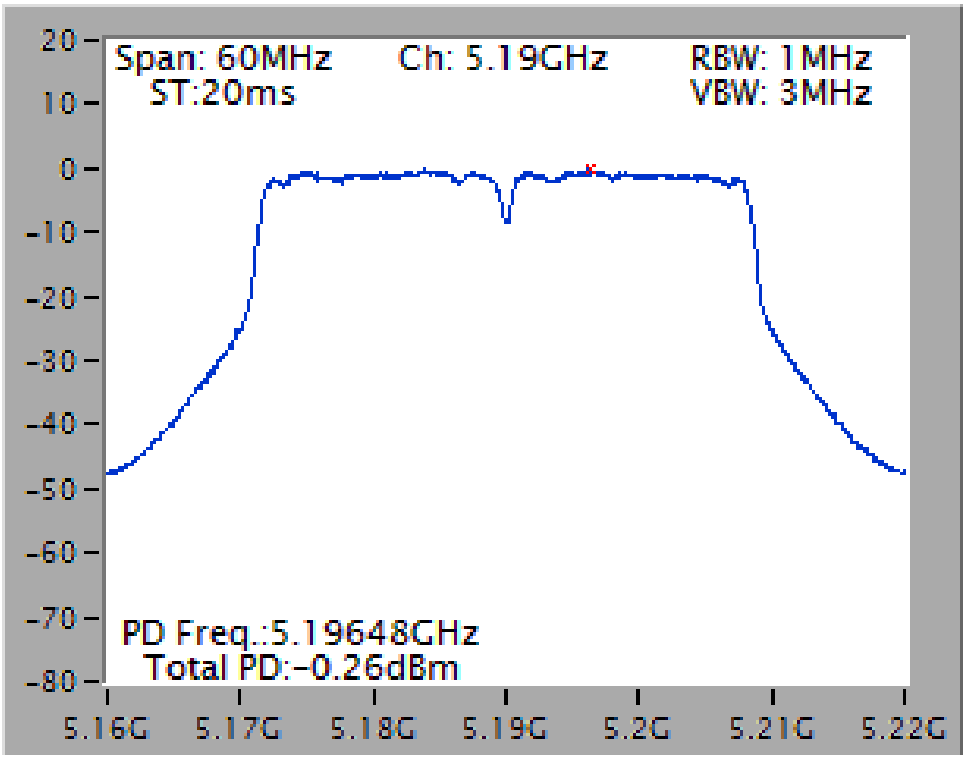
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss4 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5240 MHz**



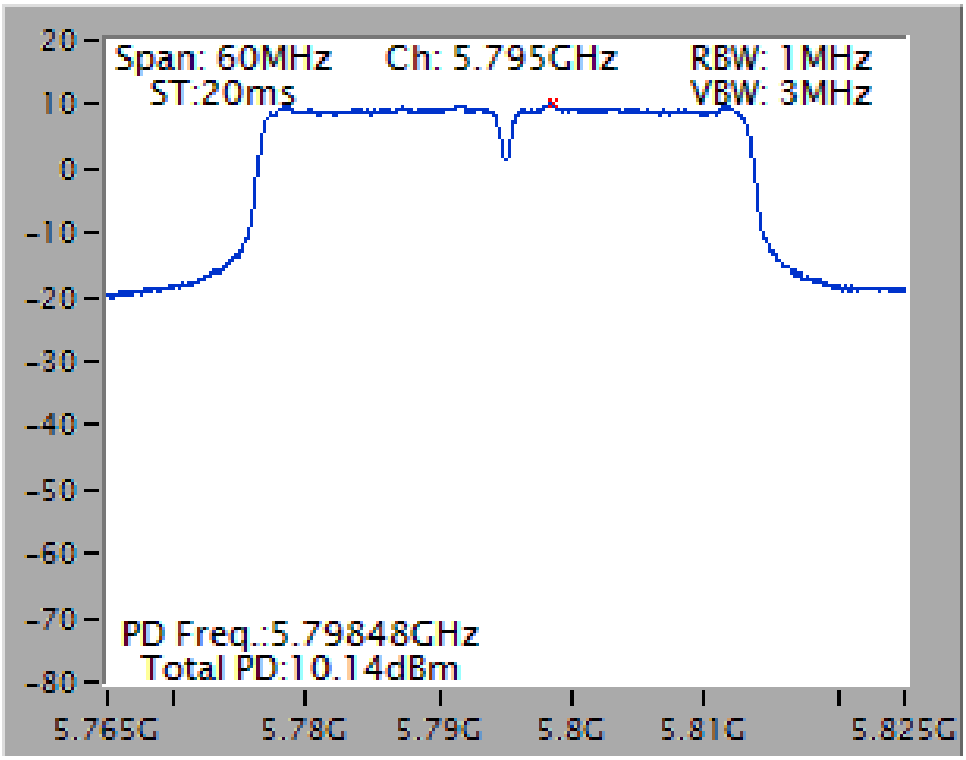

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss4 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5825 MHz**



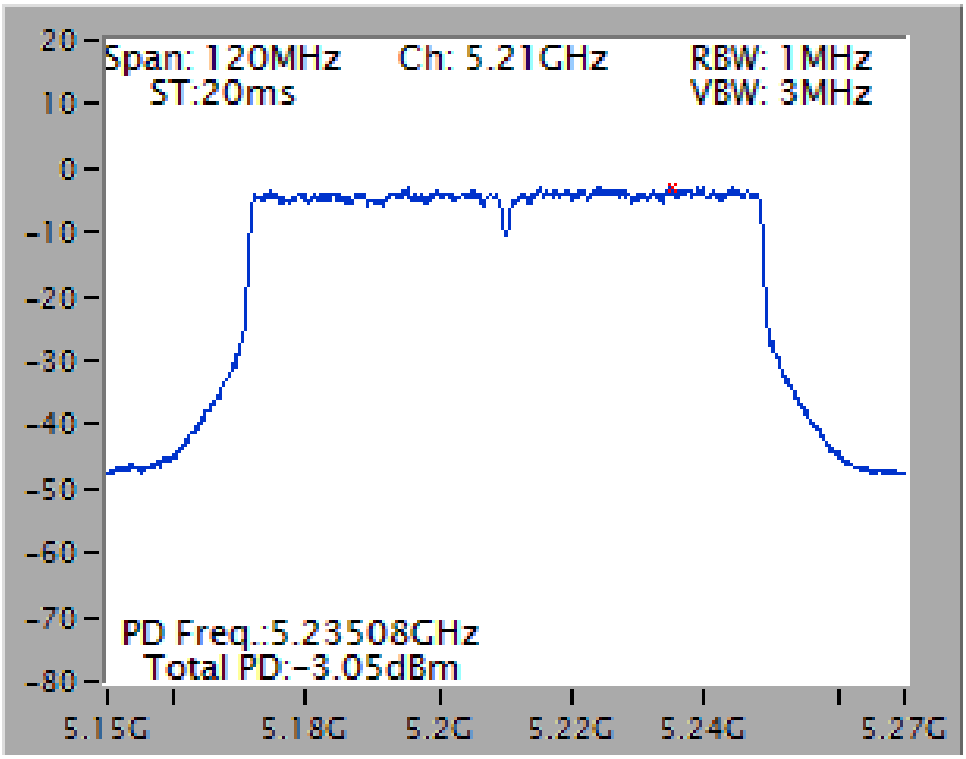
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss4 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5190 MHz**



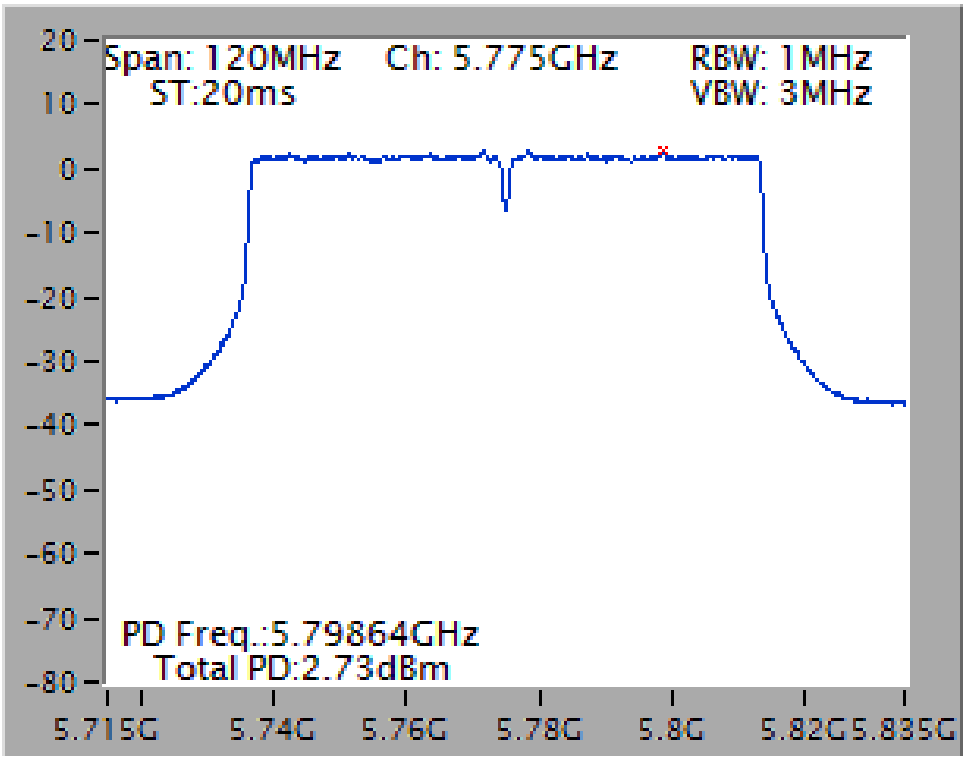

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss4 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5795 MHz**



**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss4 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5210 MHz**



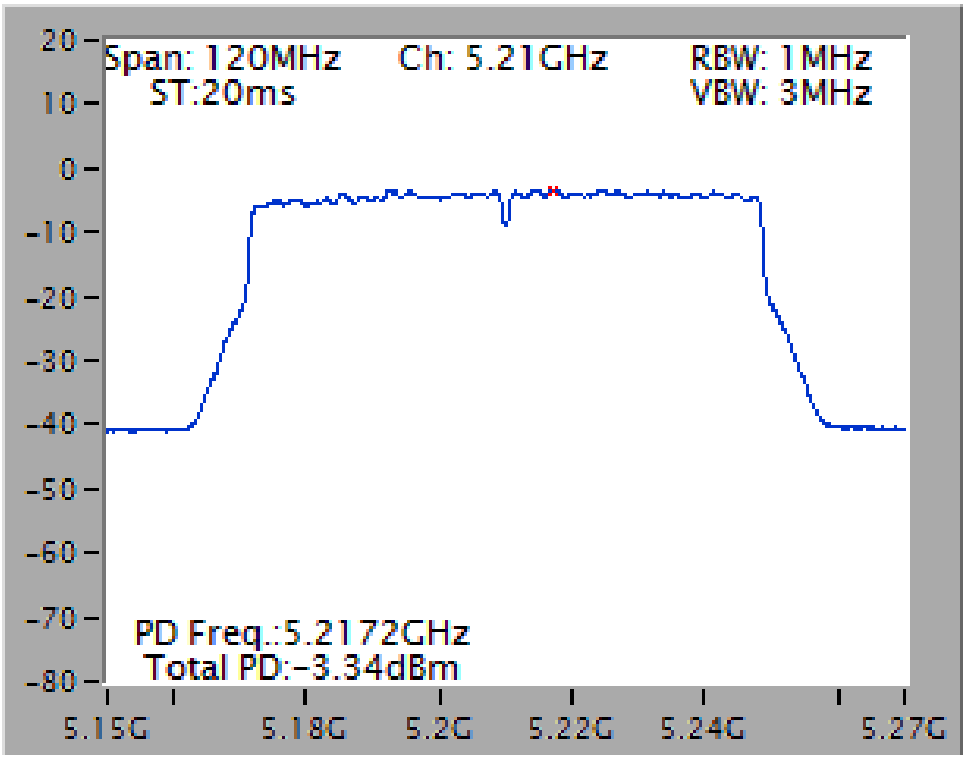

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss4 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5775 MHz**



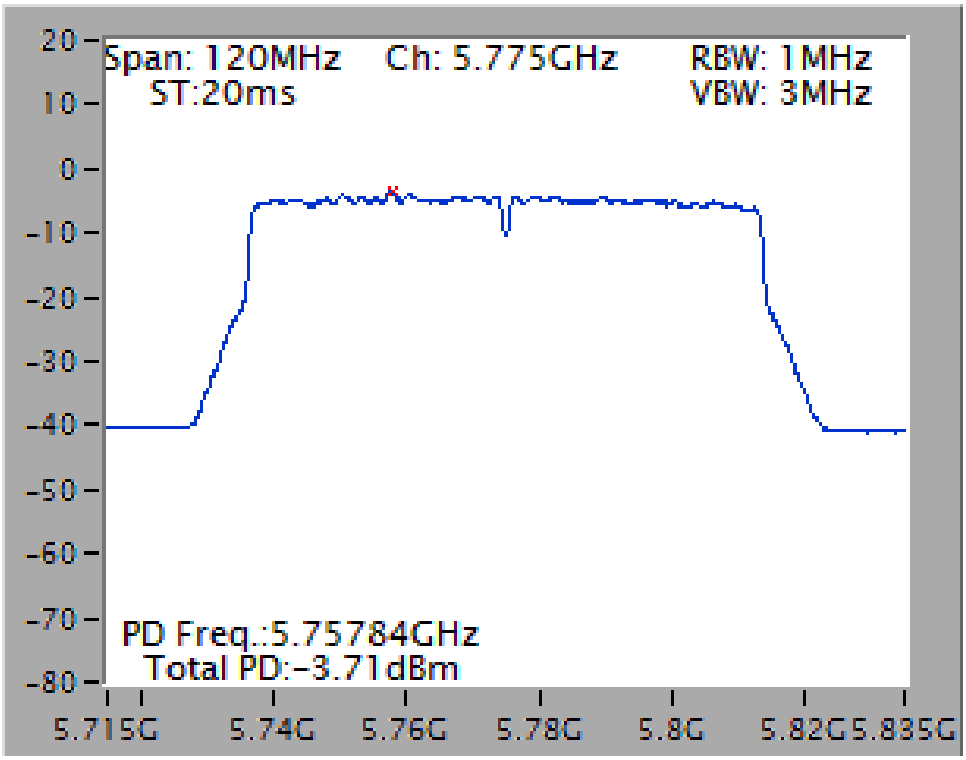
For 802.11ac MCS0/Nss2 VHT80+80 Mode

Type 1

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

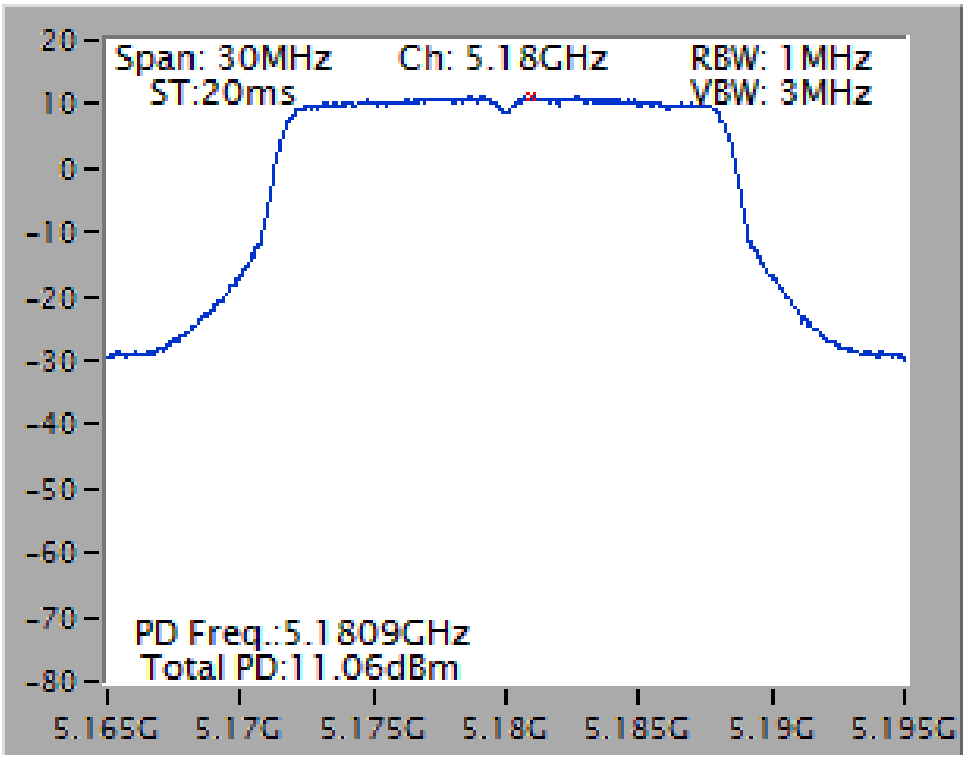



Power Density Plot on Chain 3 + Chain 4 / 5775 MHz

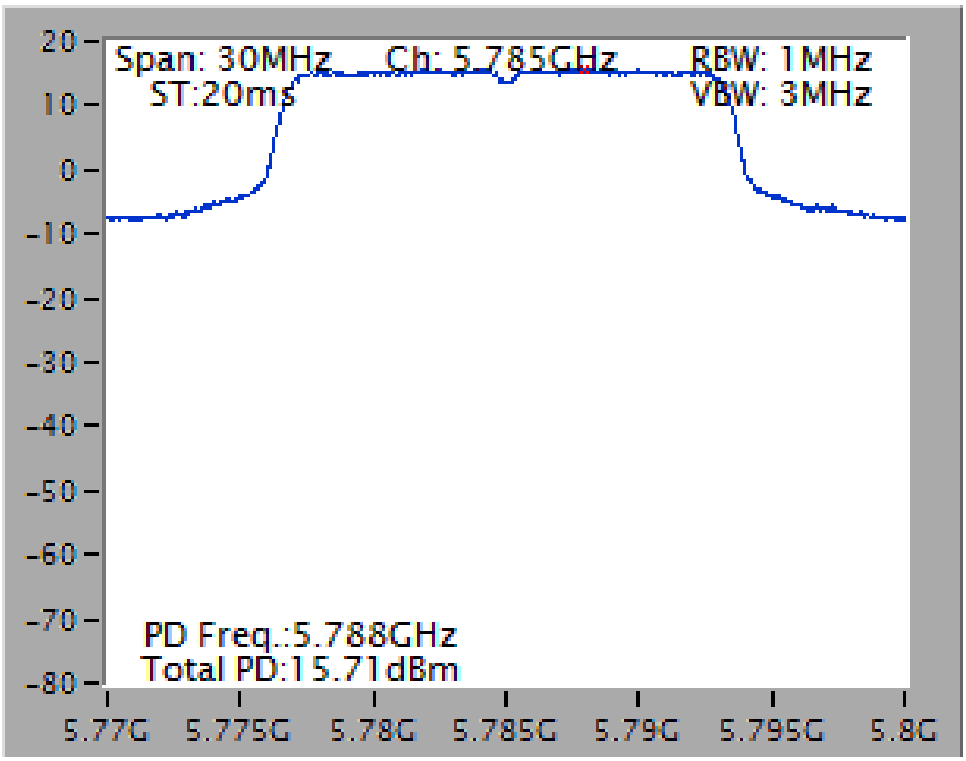


**For Mode 2:**

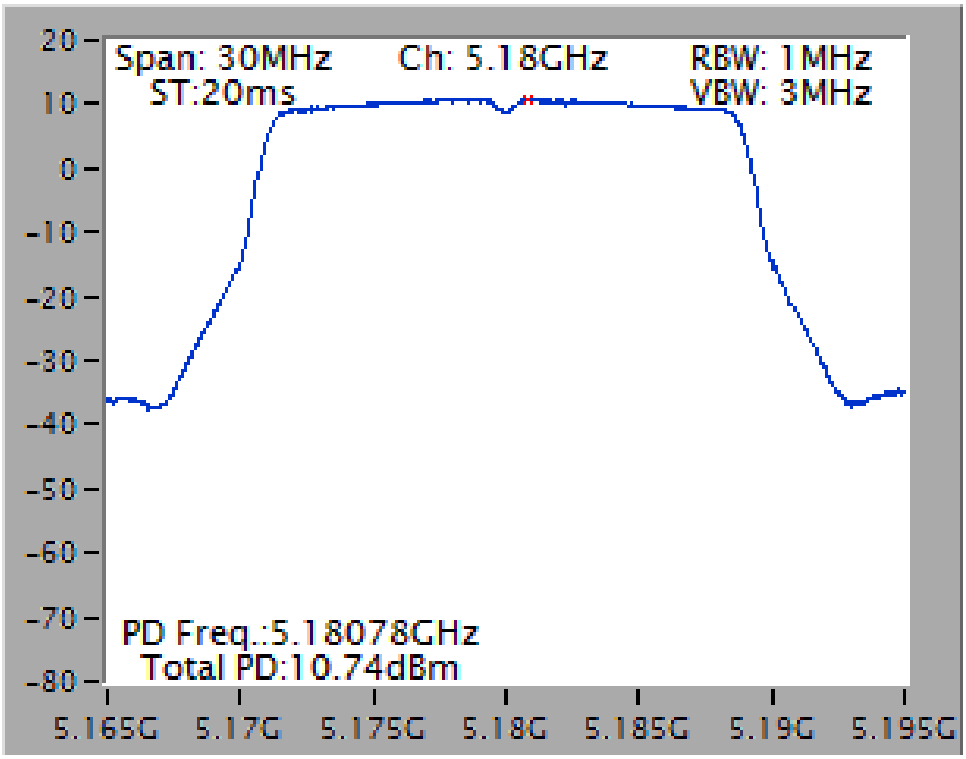
**Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5180 MHz**



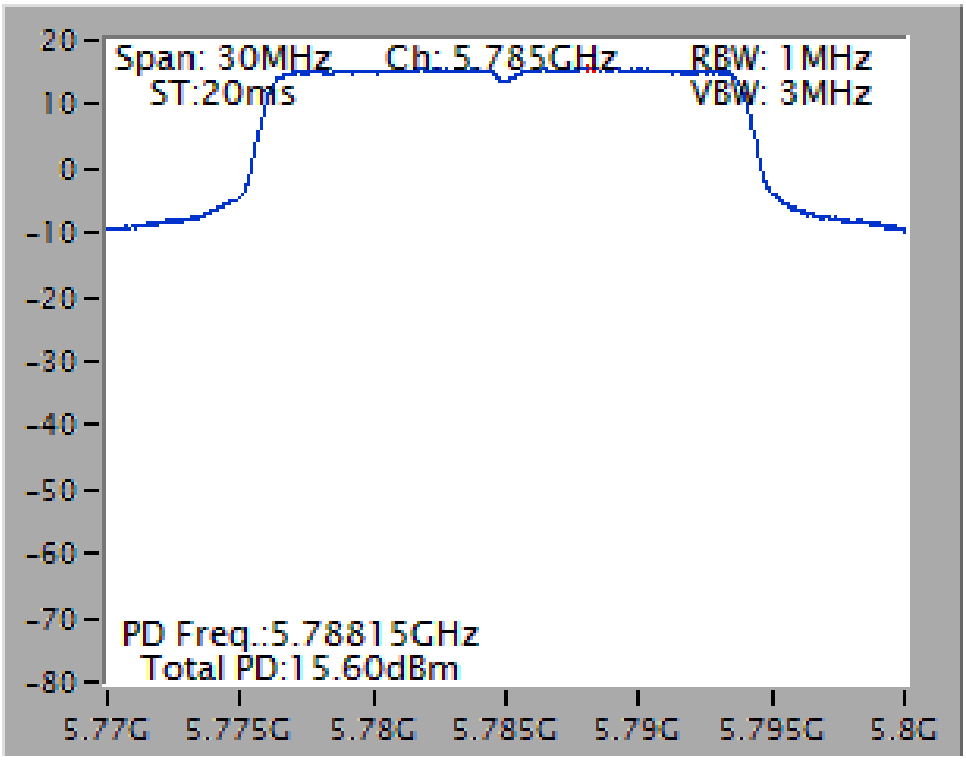

**Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz**



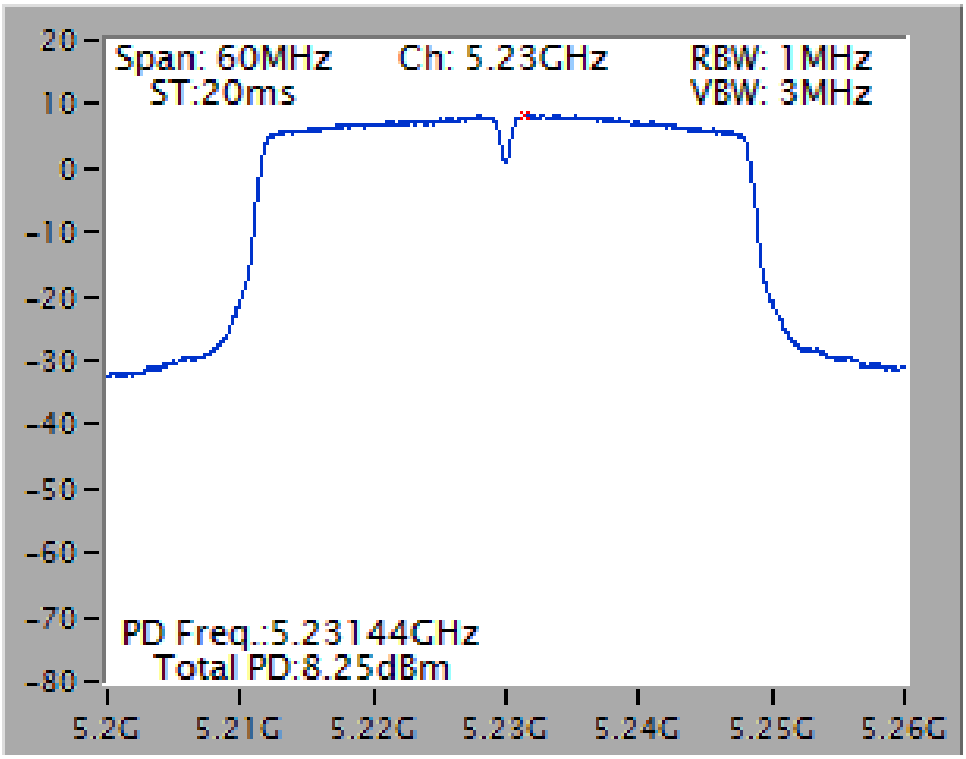
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5180 MHz**



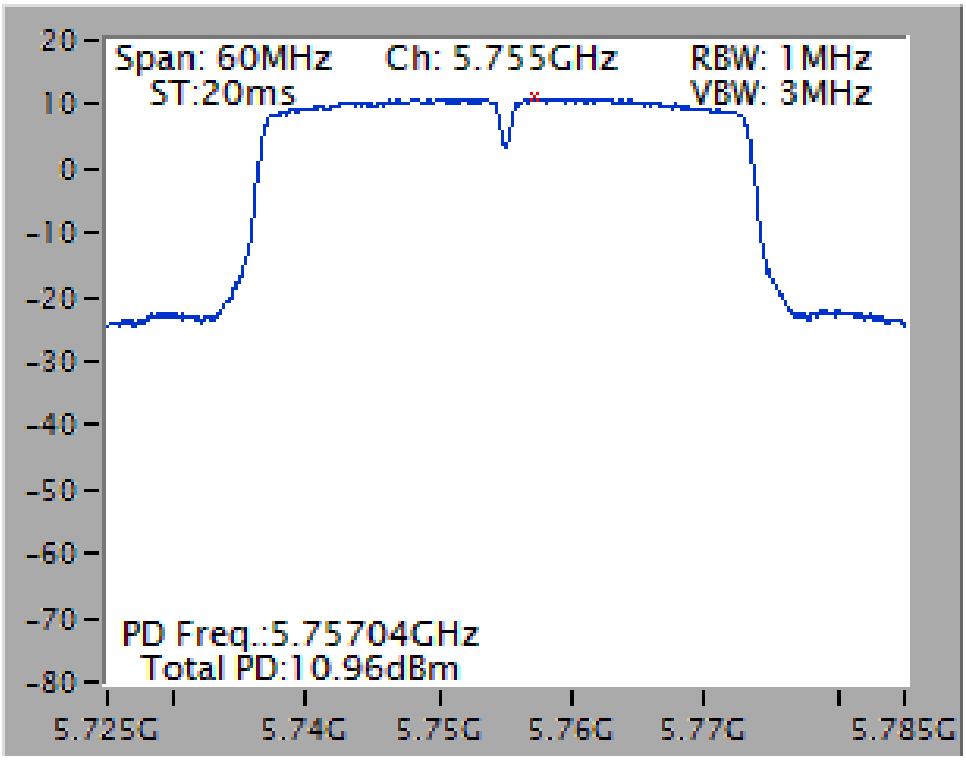

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz**



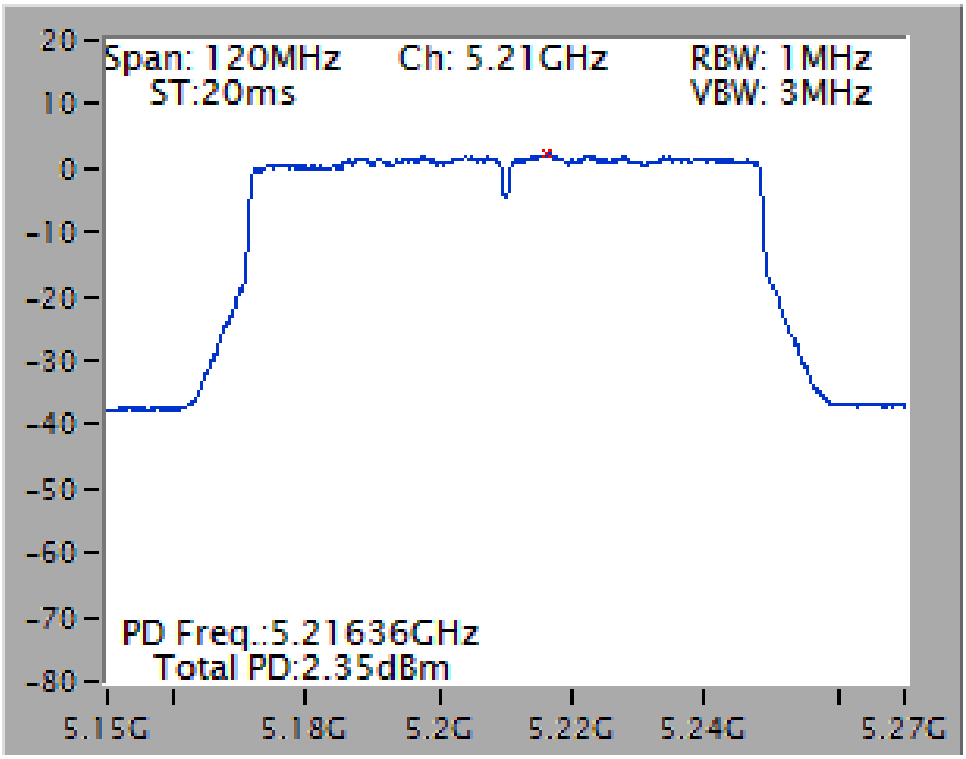
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5230 MHz**



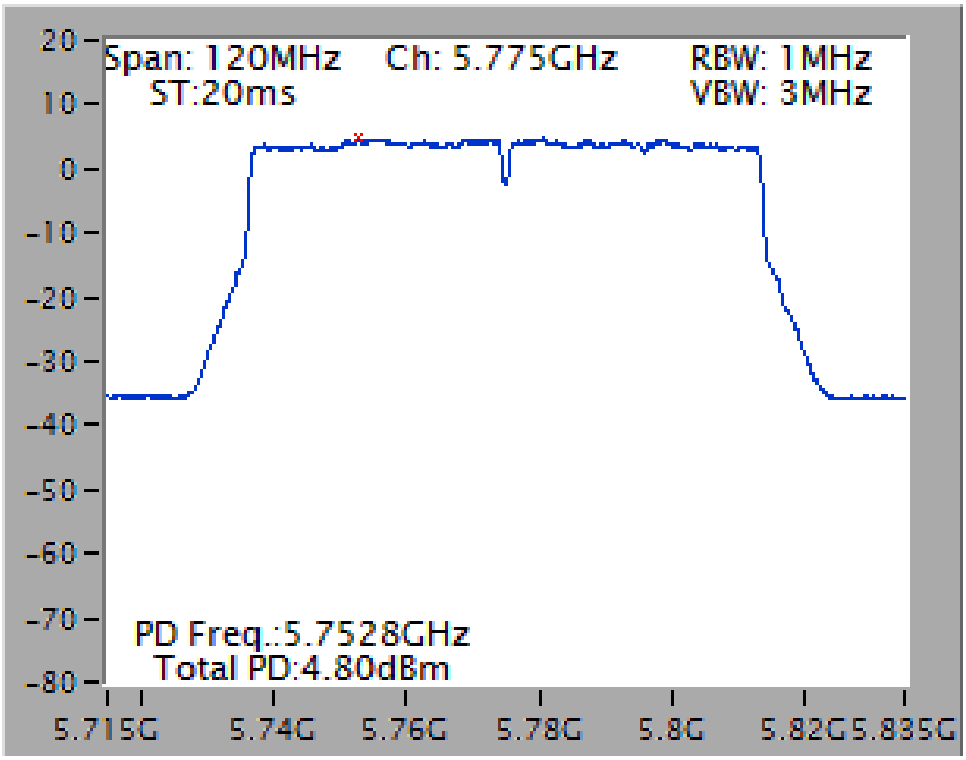

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5755 MHz**



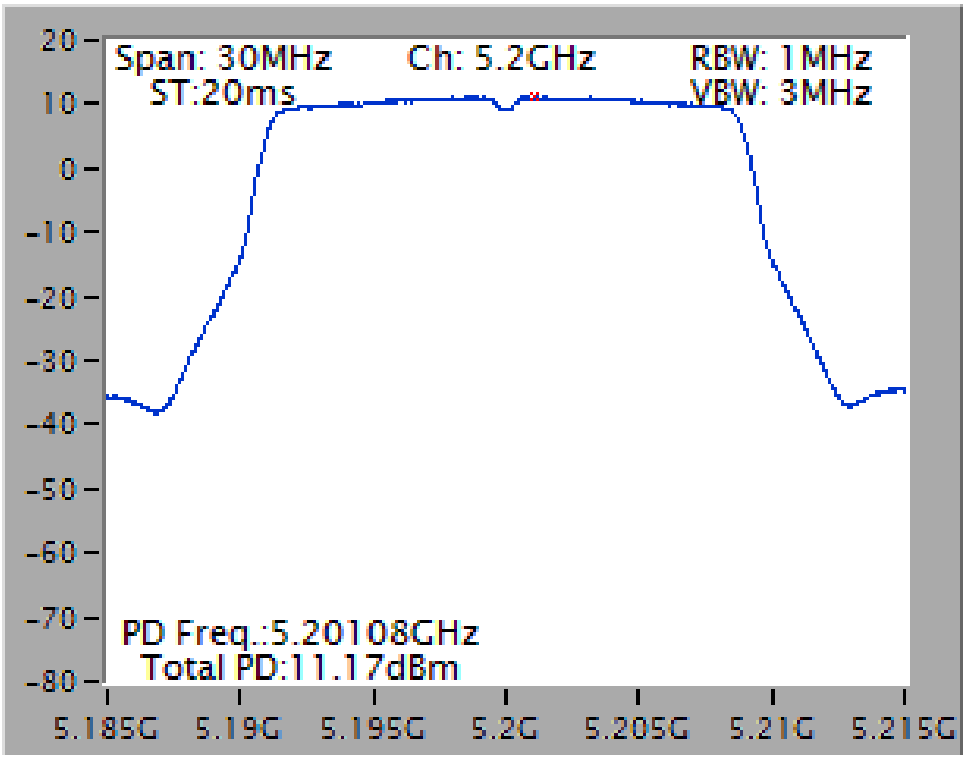
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5210 MHz**



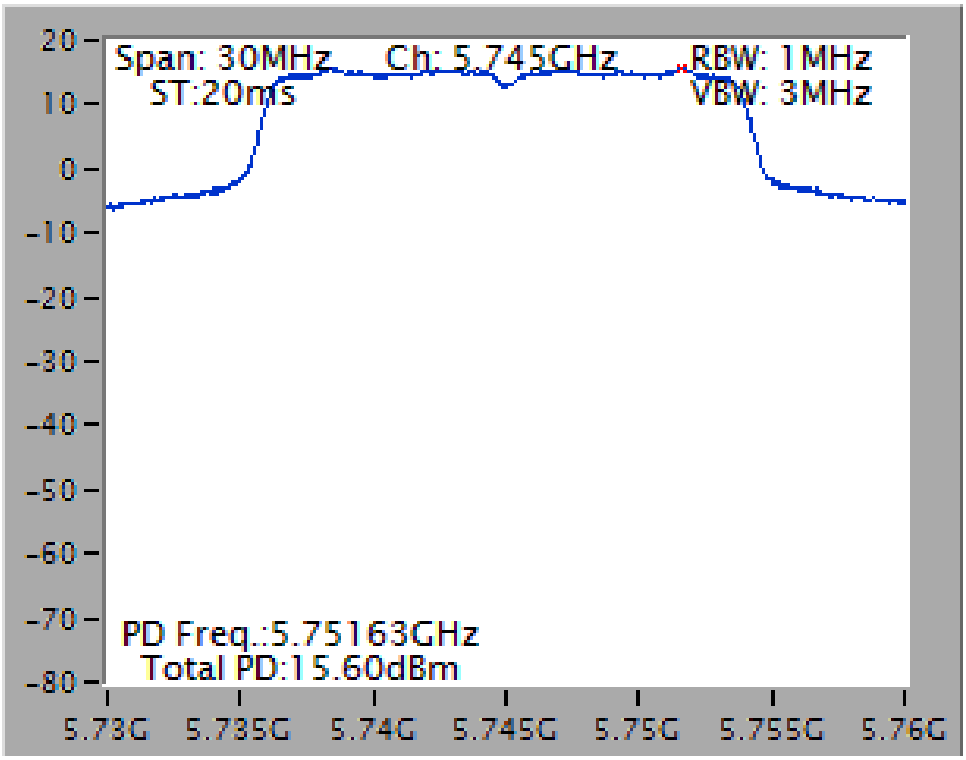

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5775 MHz**



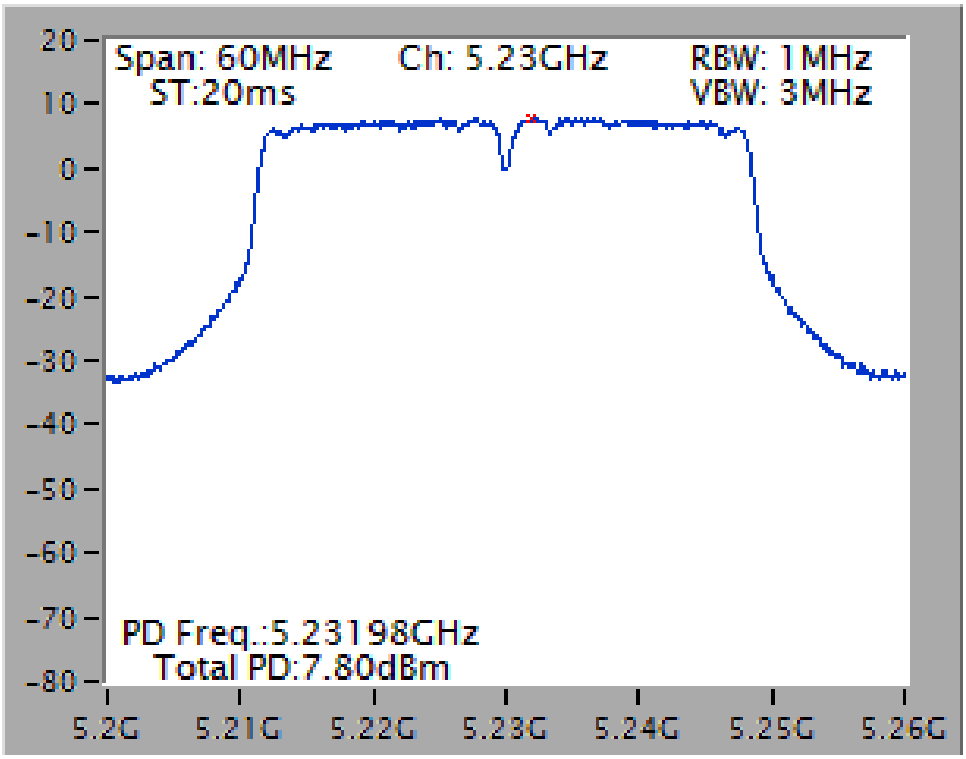
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss4 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5200 MHz**



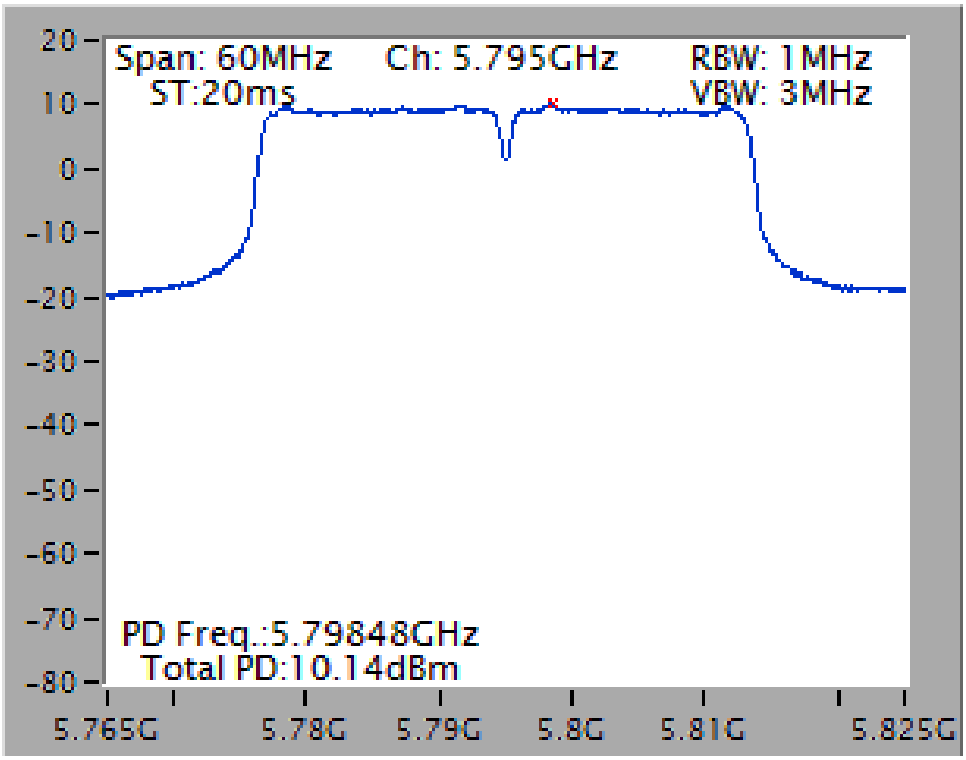

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss4 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5745 MHz**



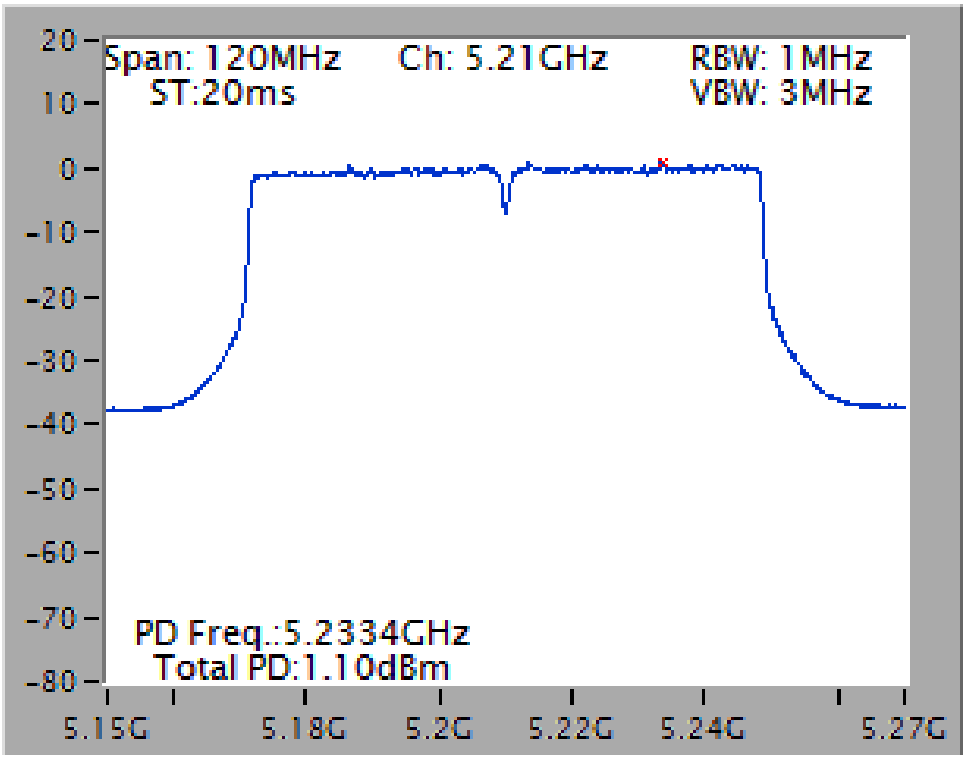
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss4 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5230 MHz**



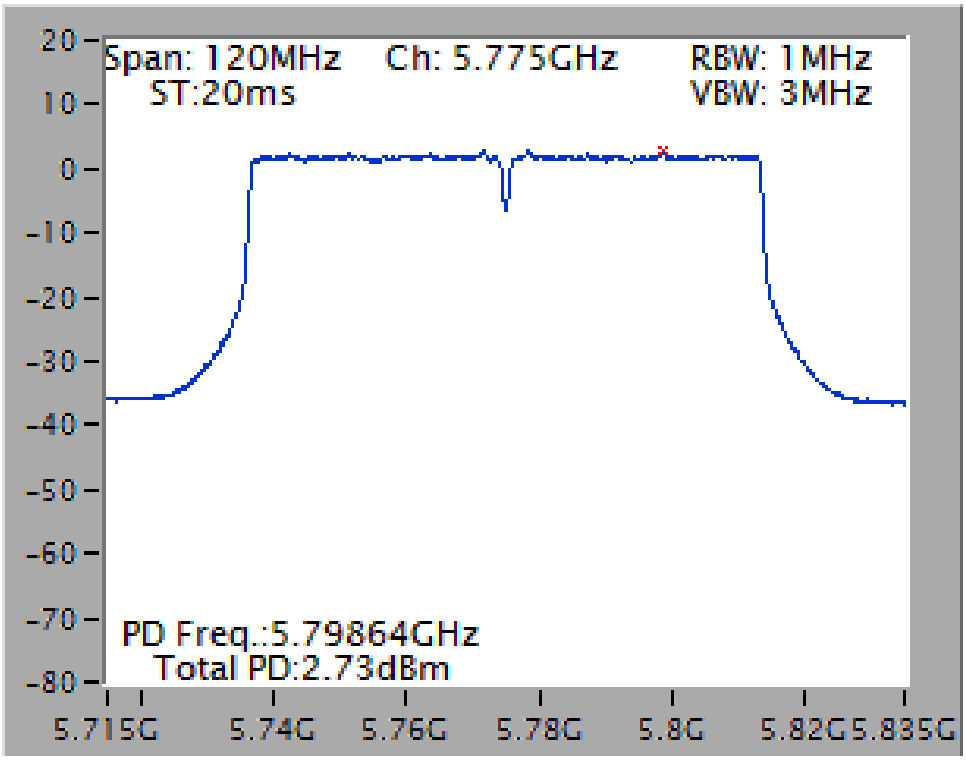

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss4 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5795 MHz**



**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss4 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5210 MHz**



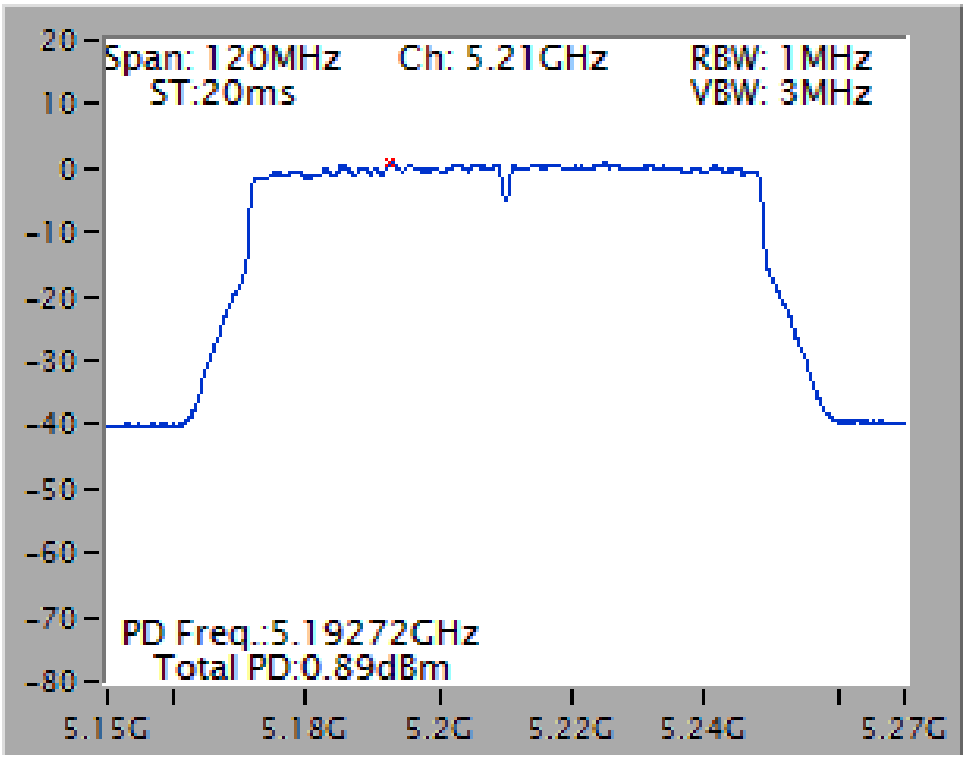

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss4 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5775 MHz**



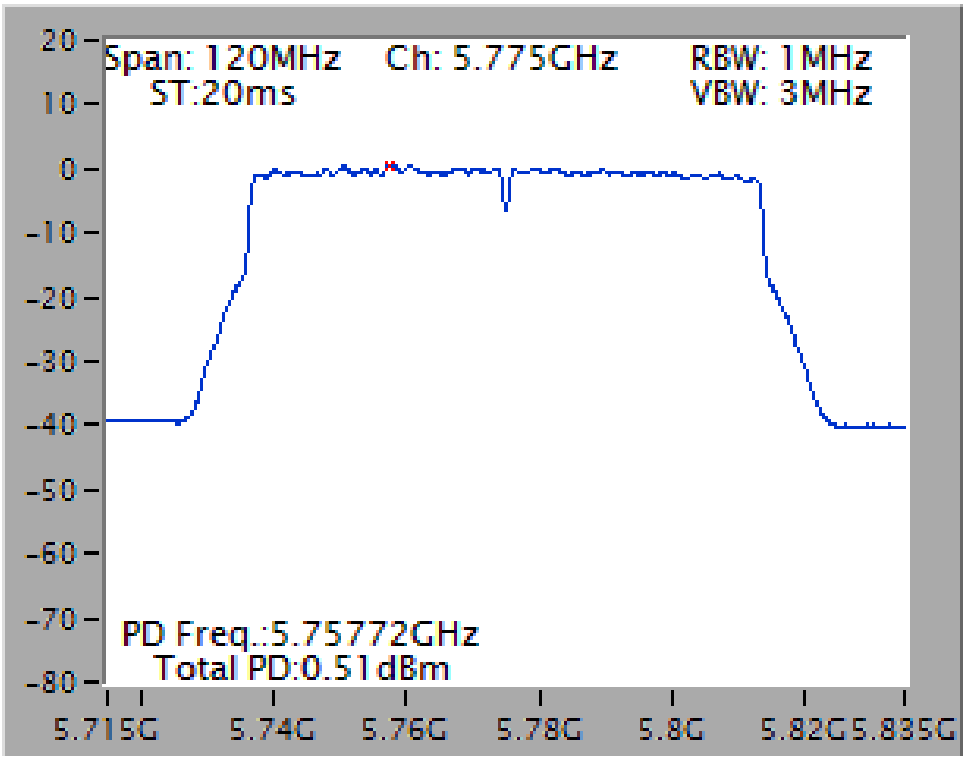
For 802.11ac MCS0/Nss2 VHT80+80 Mode

Type 1

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

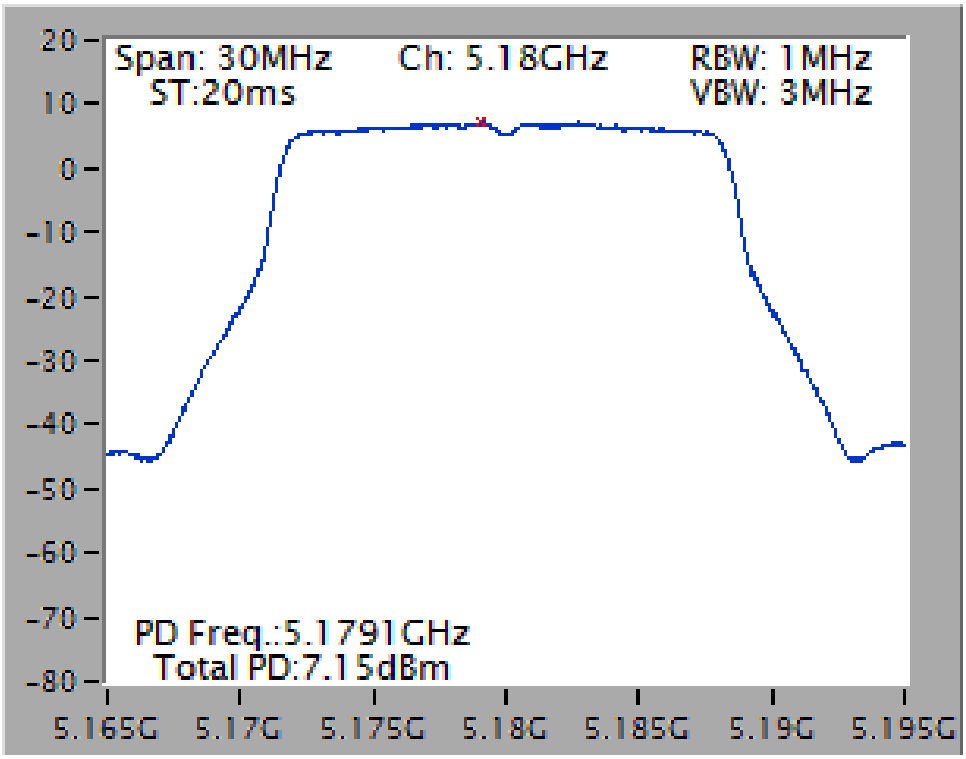



Power Density Plot on Chain 3 + Chain 4 / 5775 MHz

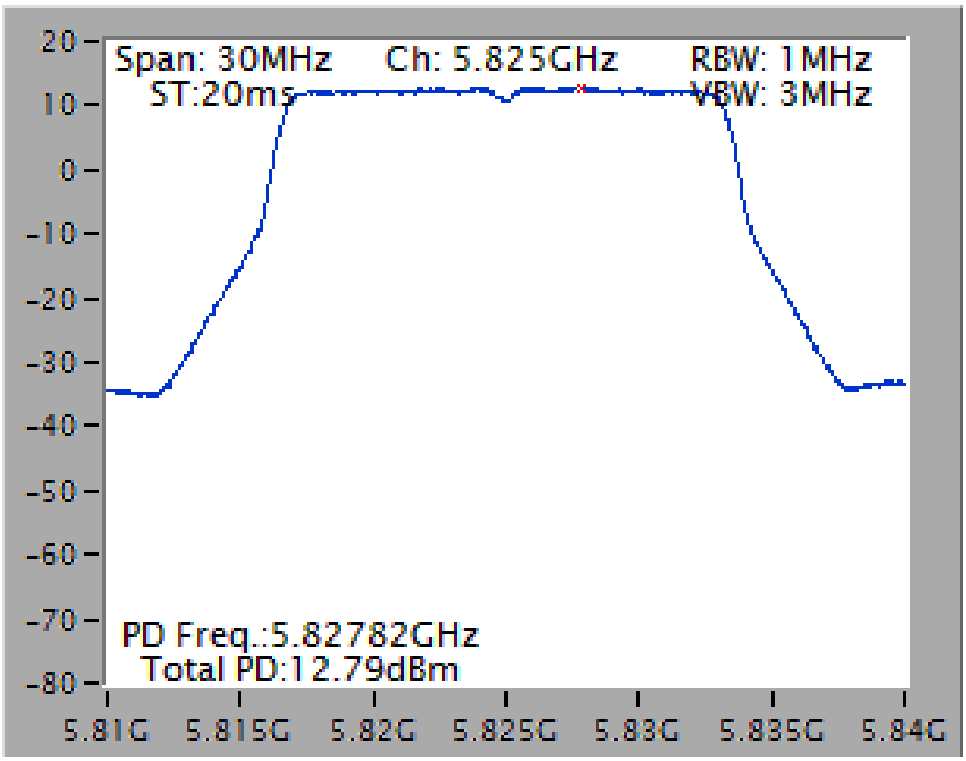


**For Mode 3:**

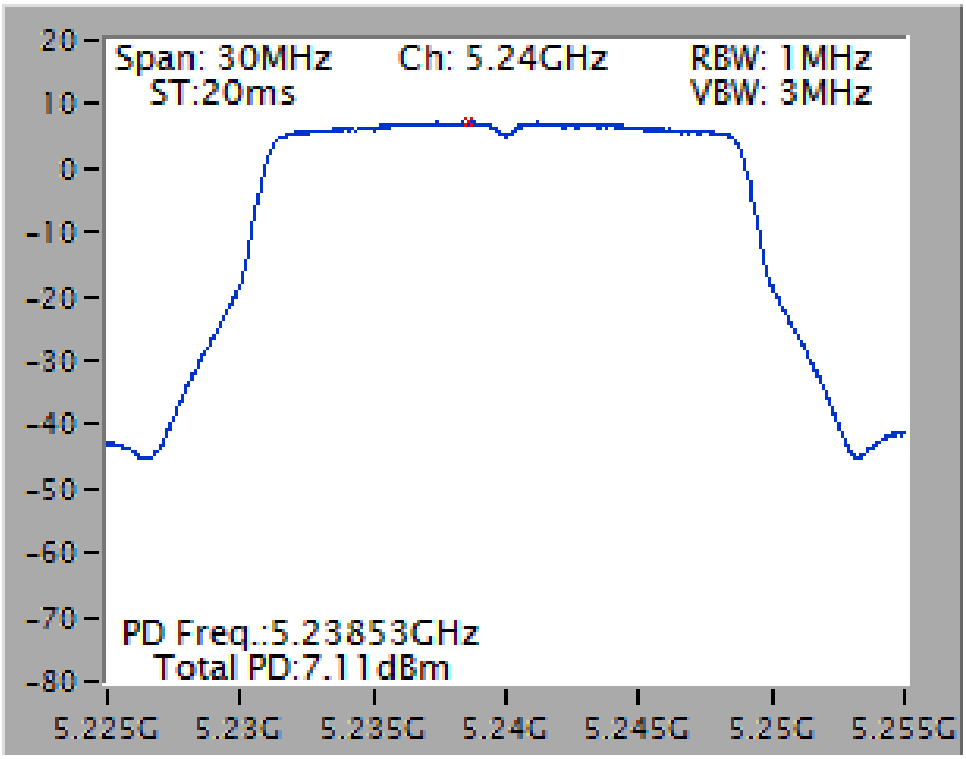
**Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5180 MHz**



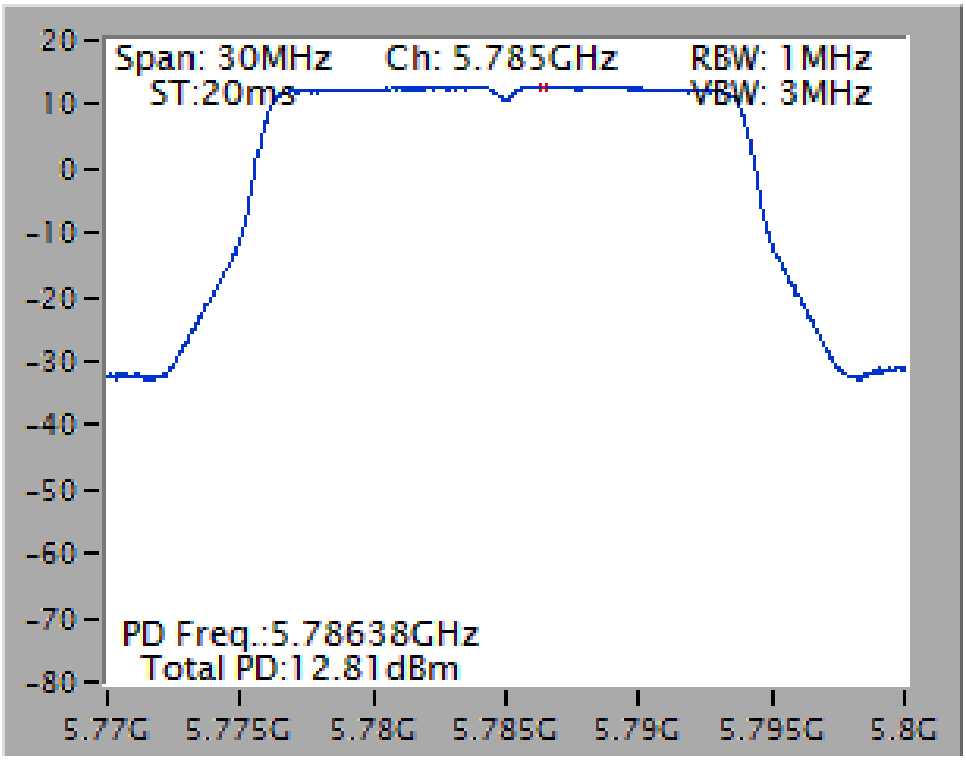

**Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5825 MHz**



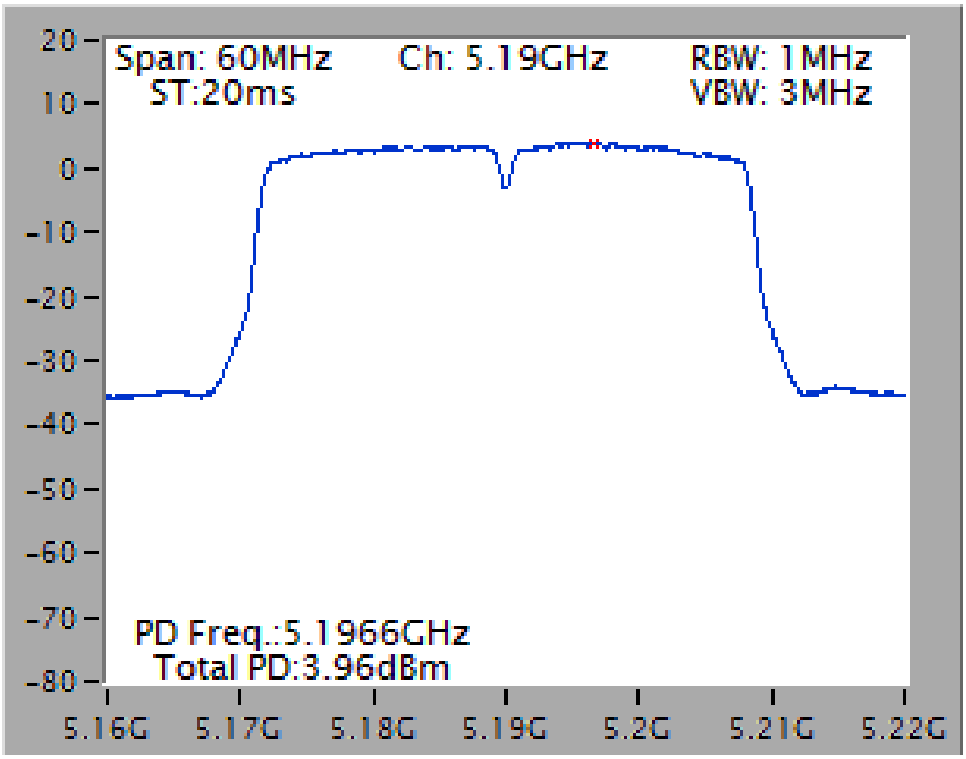
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5240 MHz**



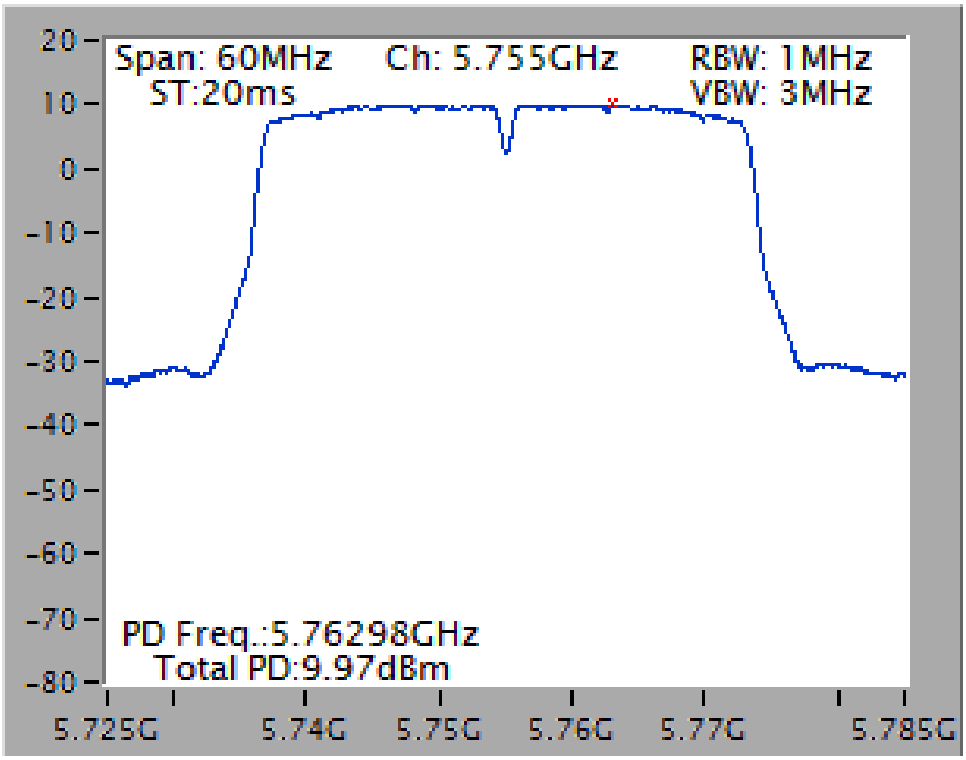

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz**



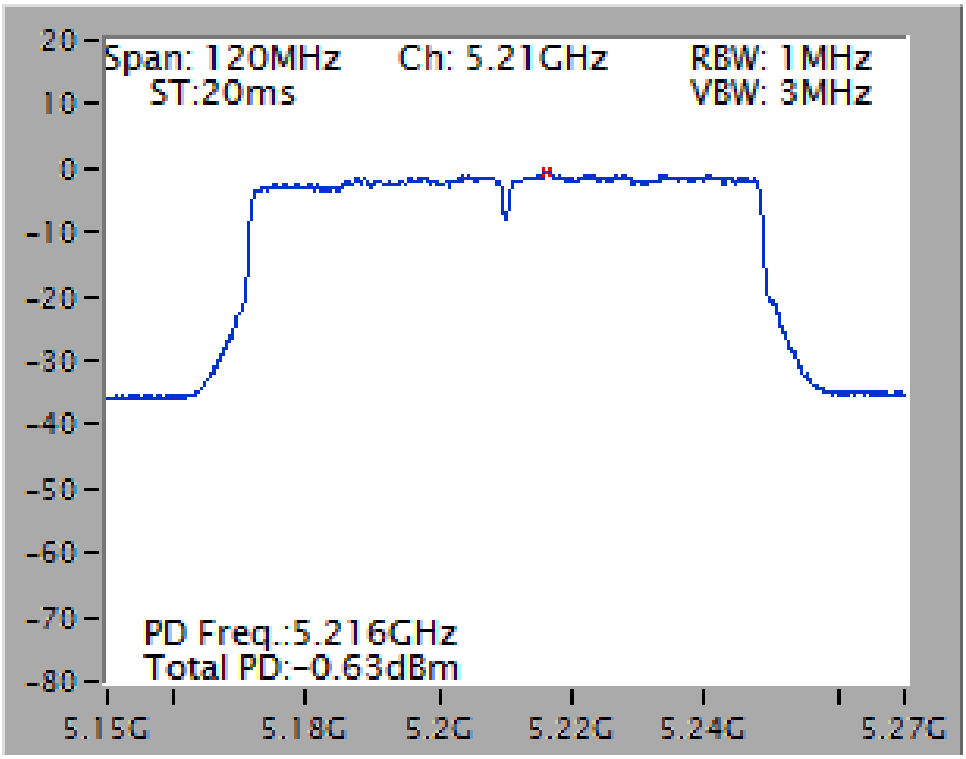
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5190 MHz**



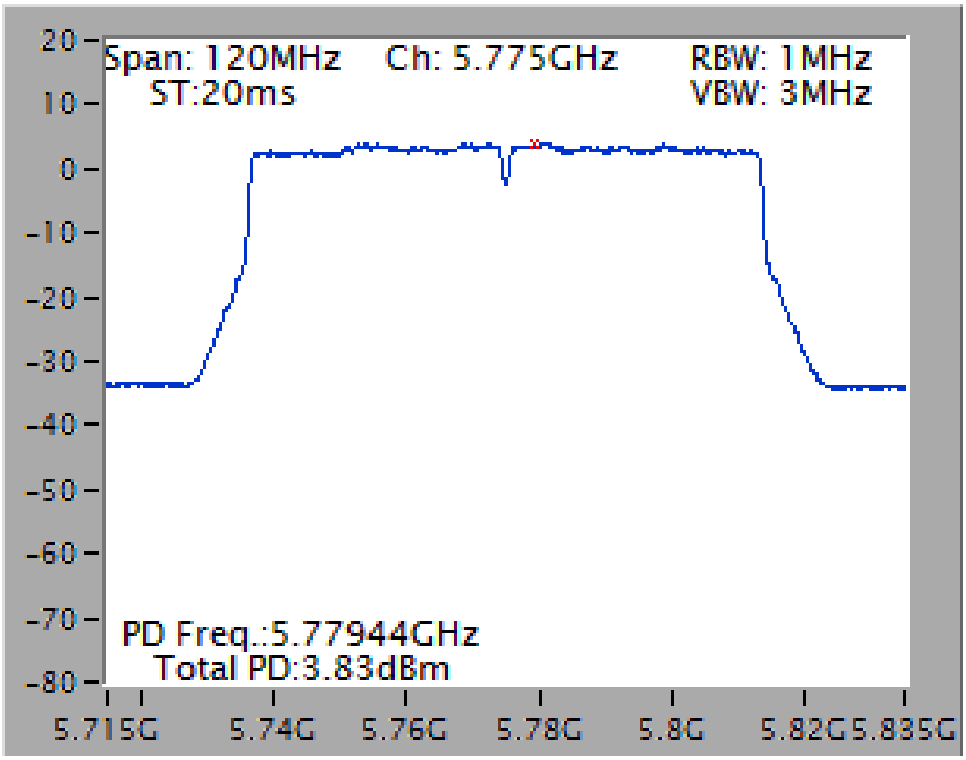

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5755 MHz**



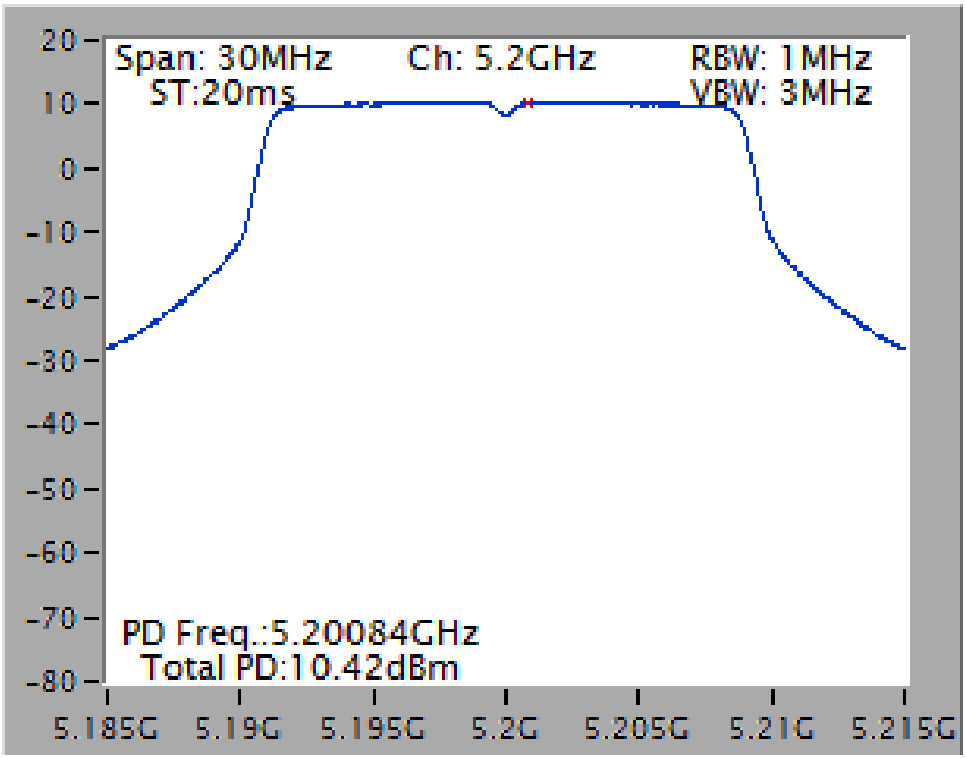
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5210 MHz**



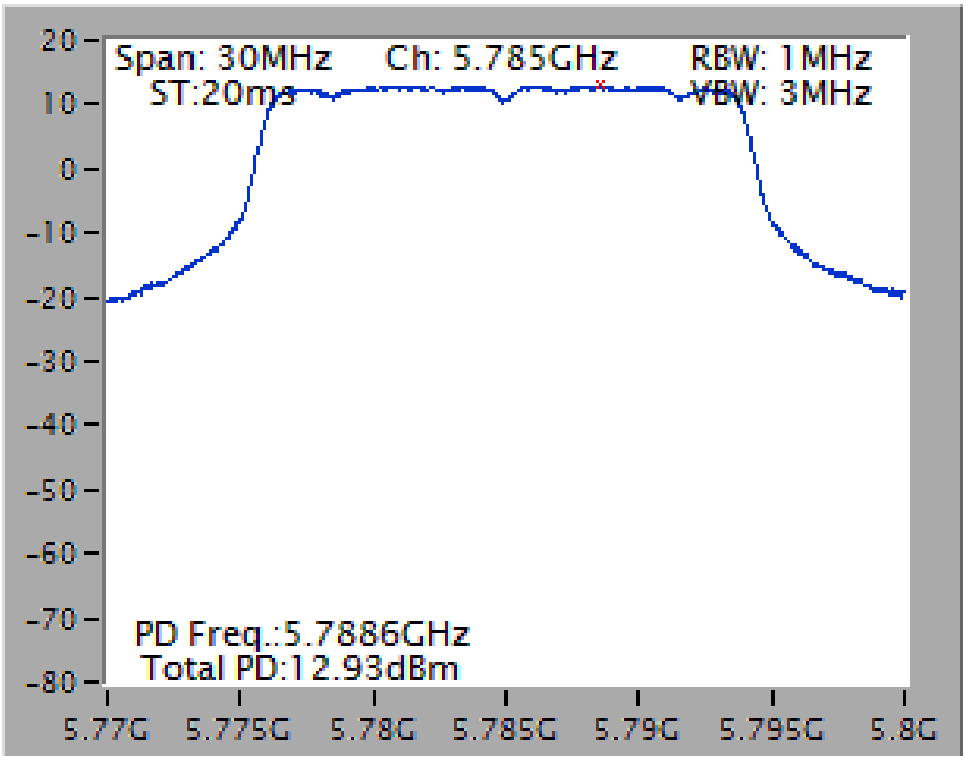

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5775 MHz**



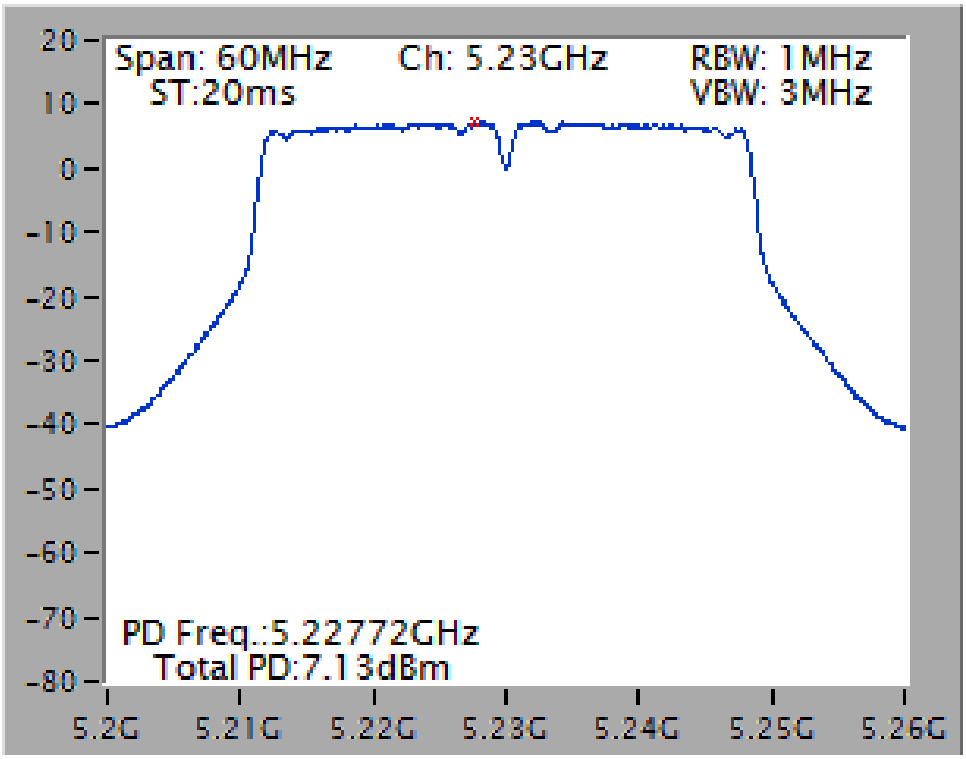
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss4 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5200 MHz**



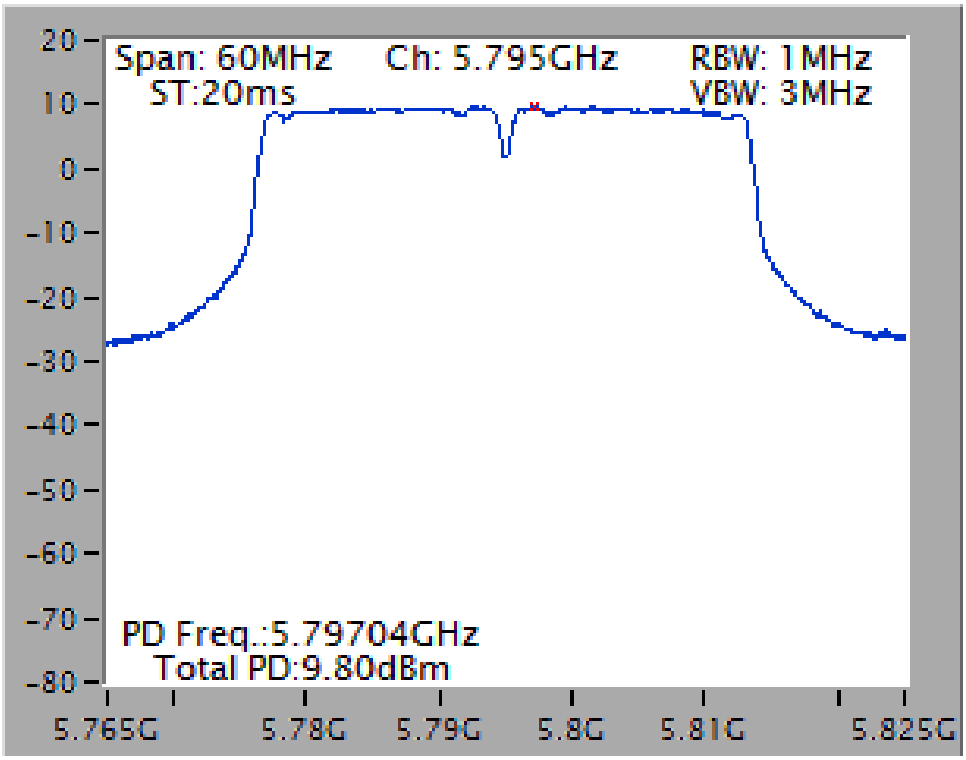

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss4 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz**



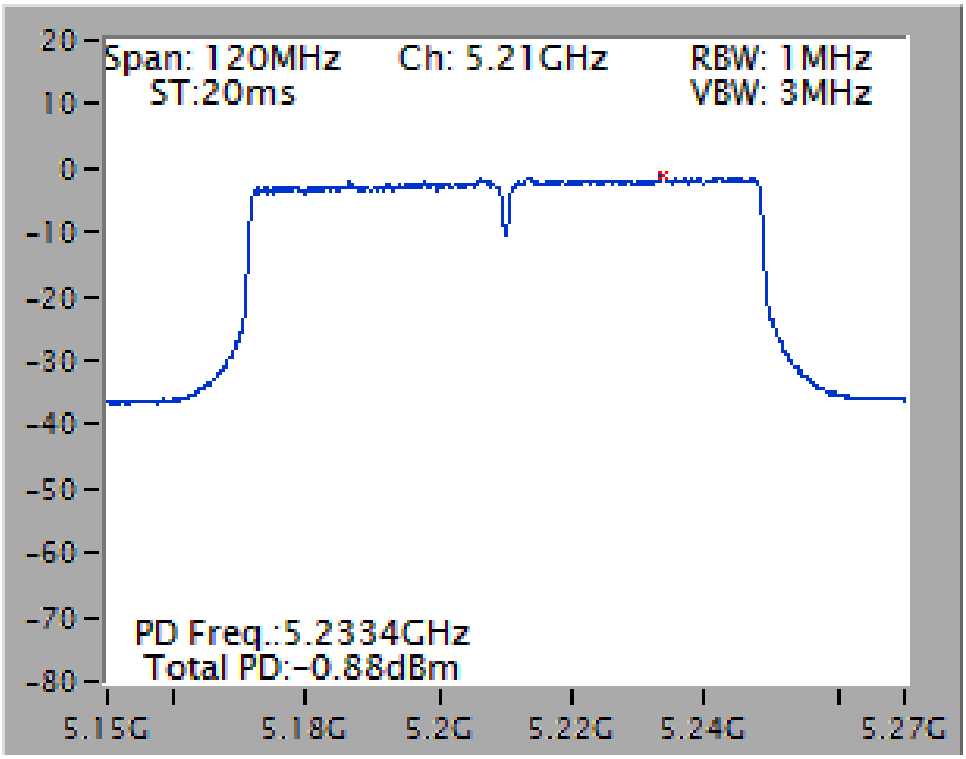
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss4 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5230 MHz**



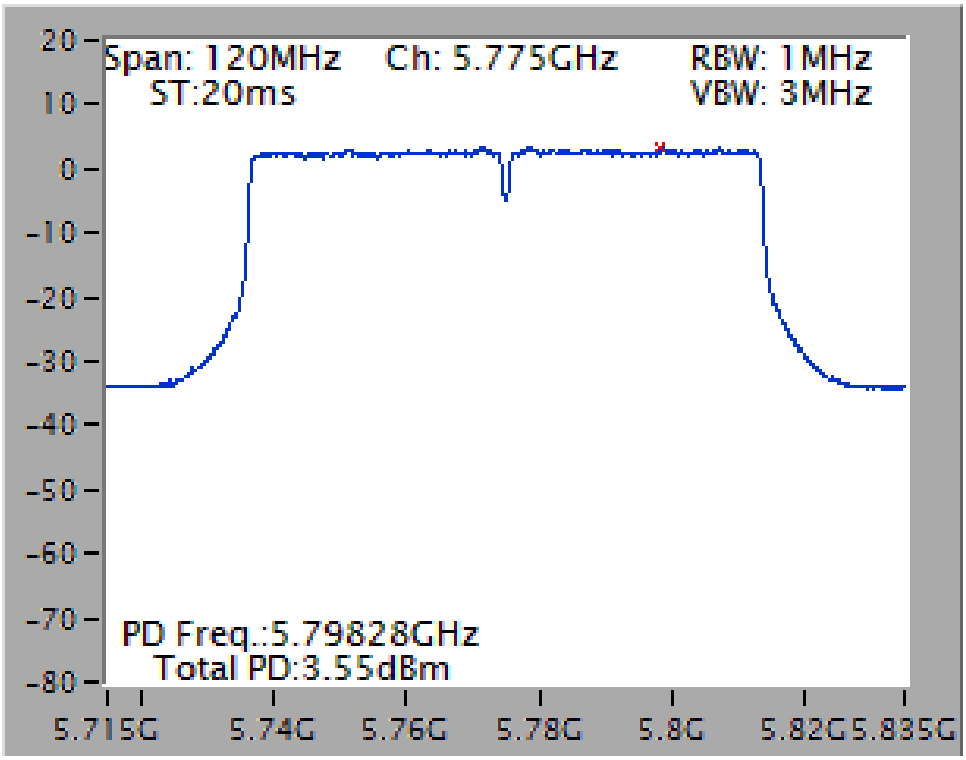

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss4 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5795 MHz**



**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss4 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5210 MHz**



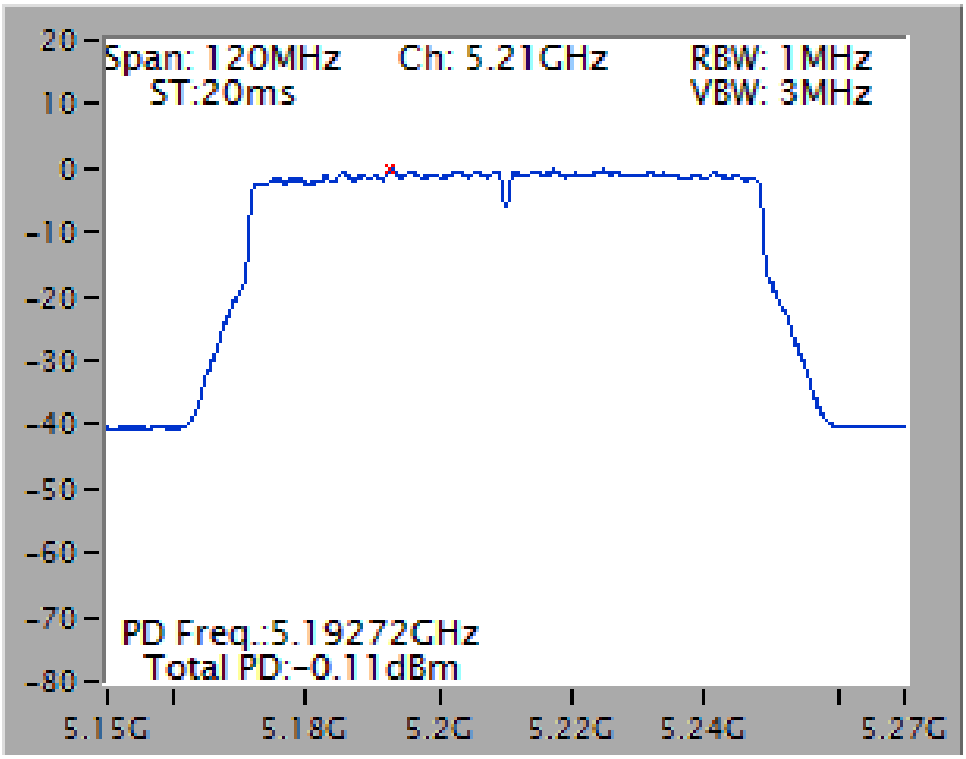

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss4 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5775 MHz**



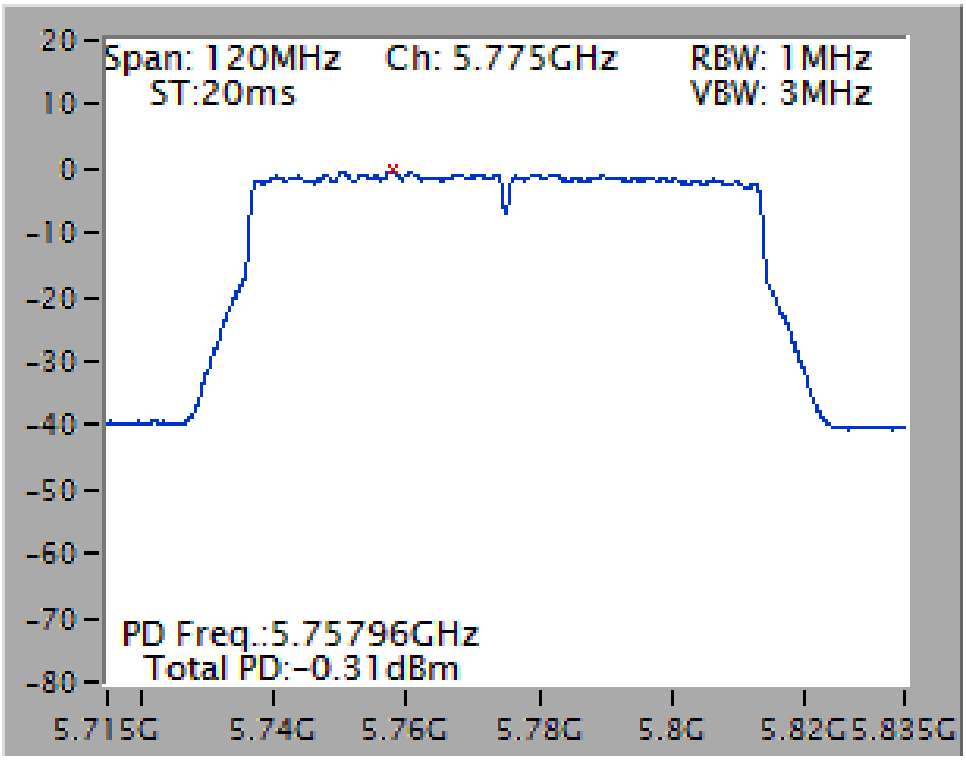
For 802.11ac MCS0/Nss2 VHT80+80 Mode

Type 1

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

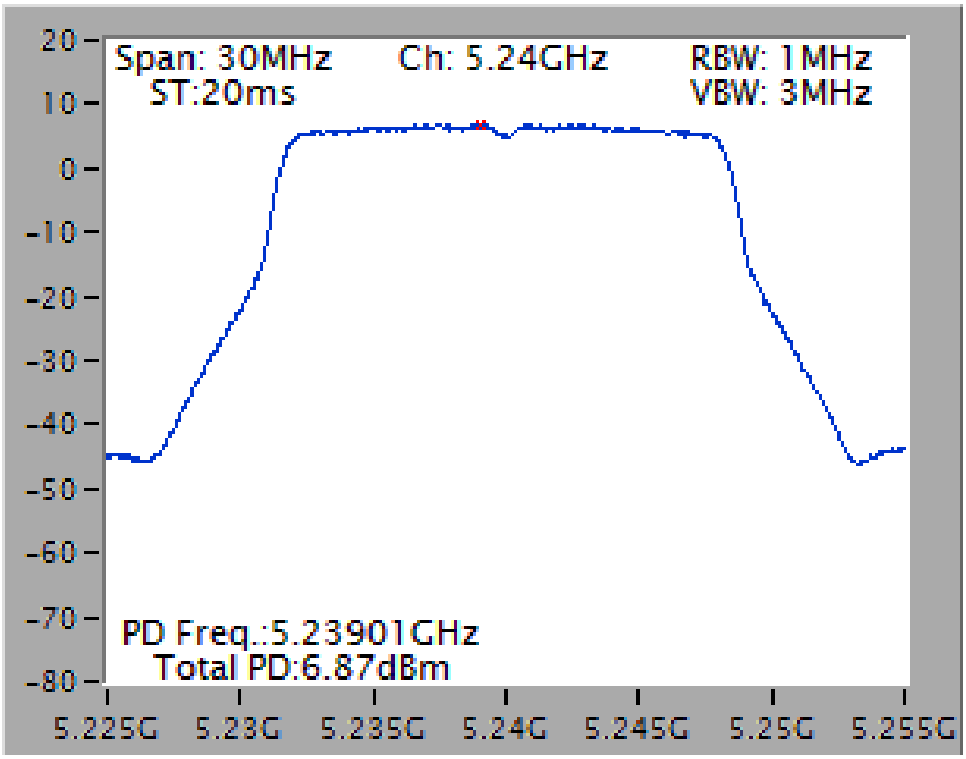



Power Density Plot on Chain 3 + Chain 4 / 5775 MHz

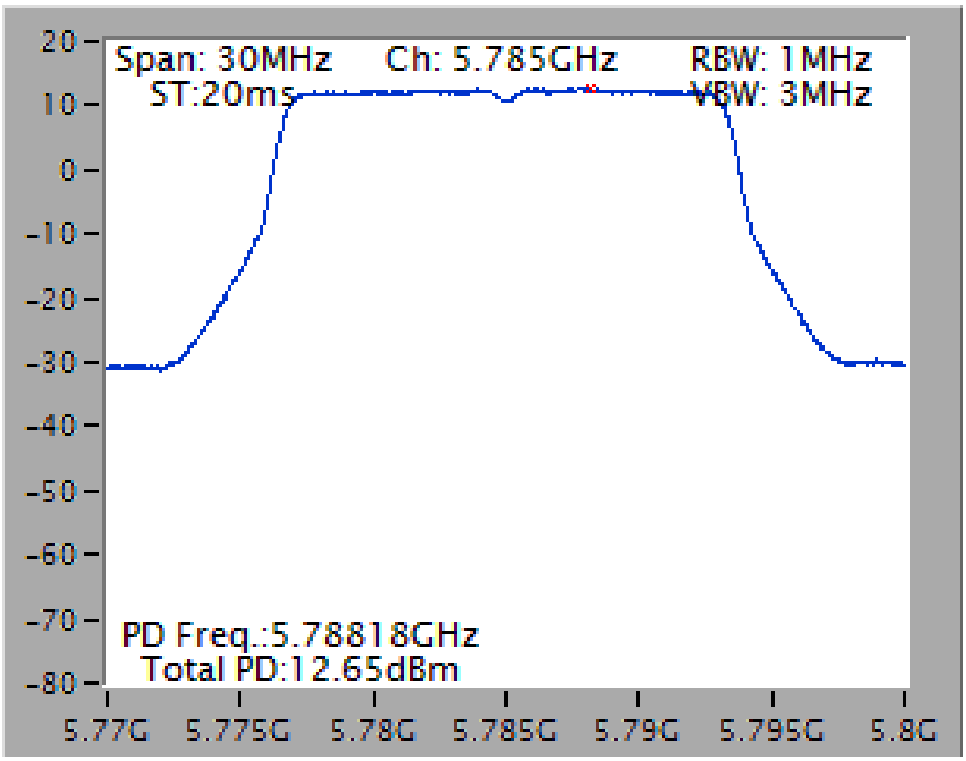


**For Mode 4:**

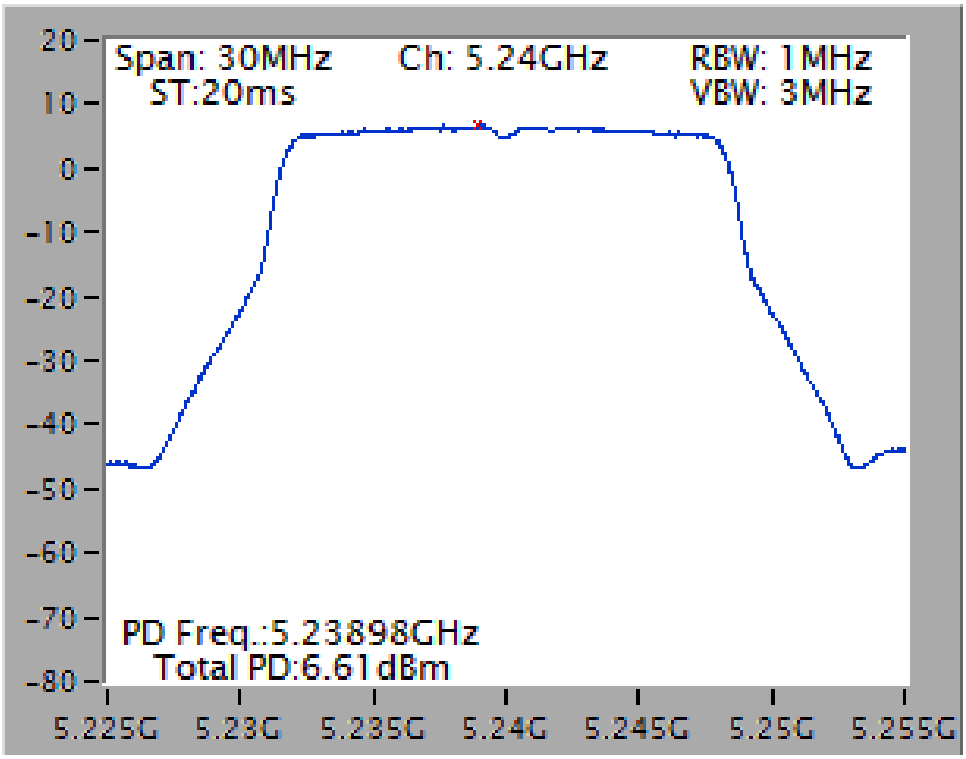
**Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5240 MHz**



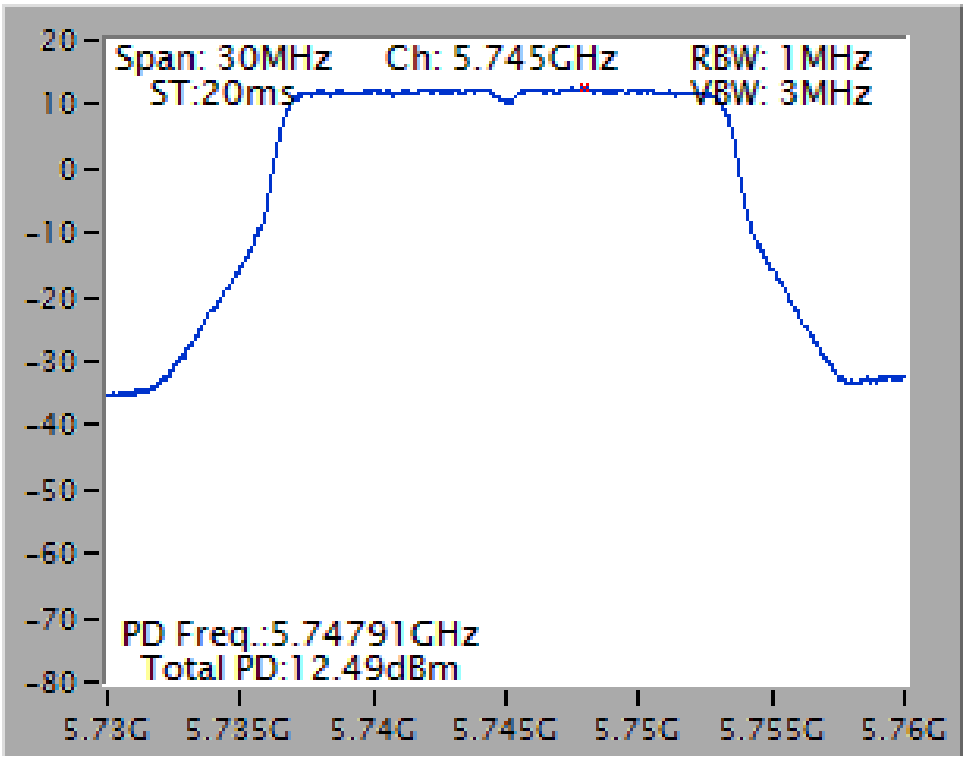

**Power Density Plot on Configuration IEEE 802.11a / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz**



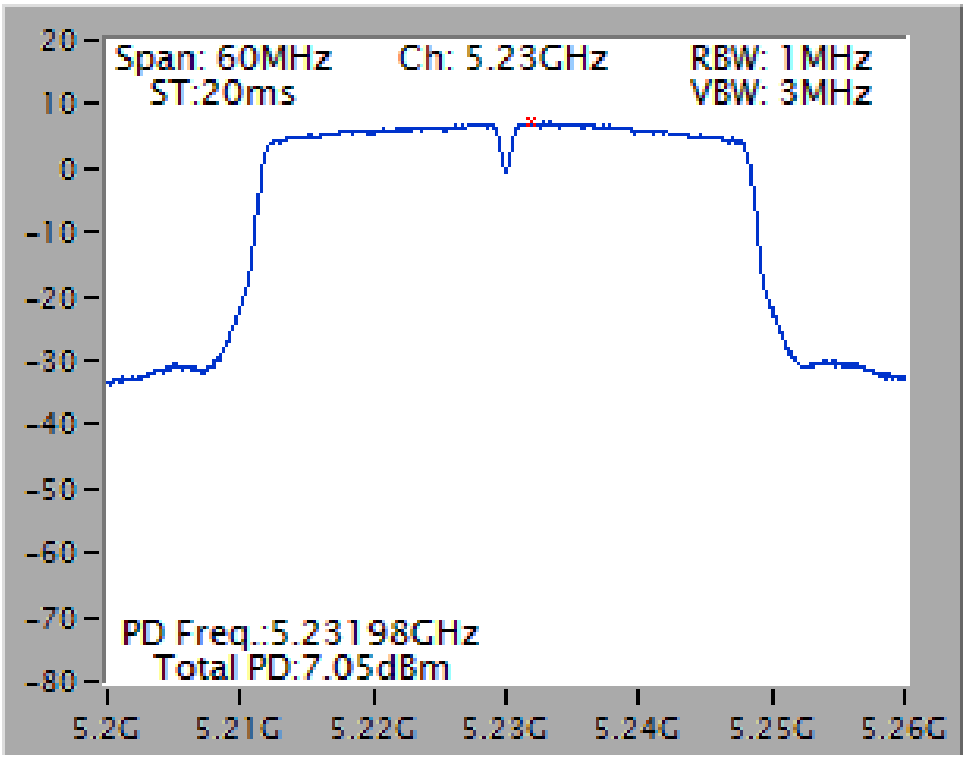
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5240 MHz**



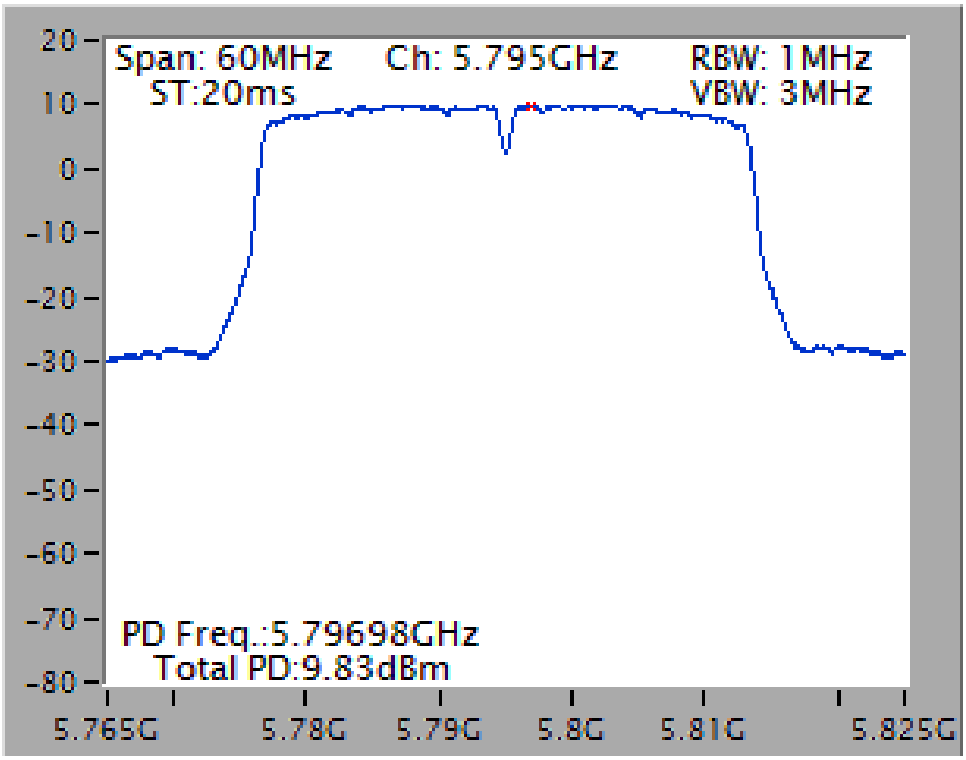

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5745 MHz**



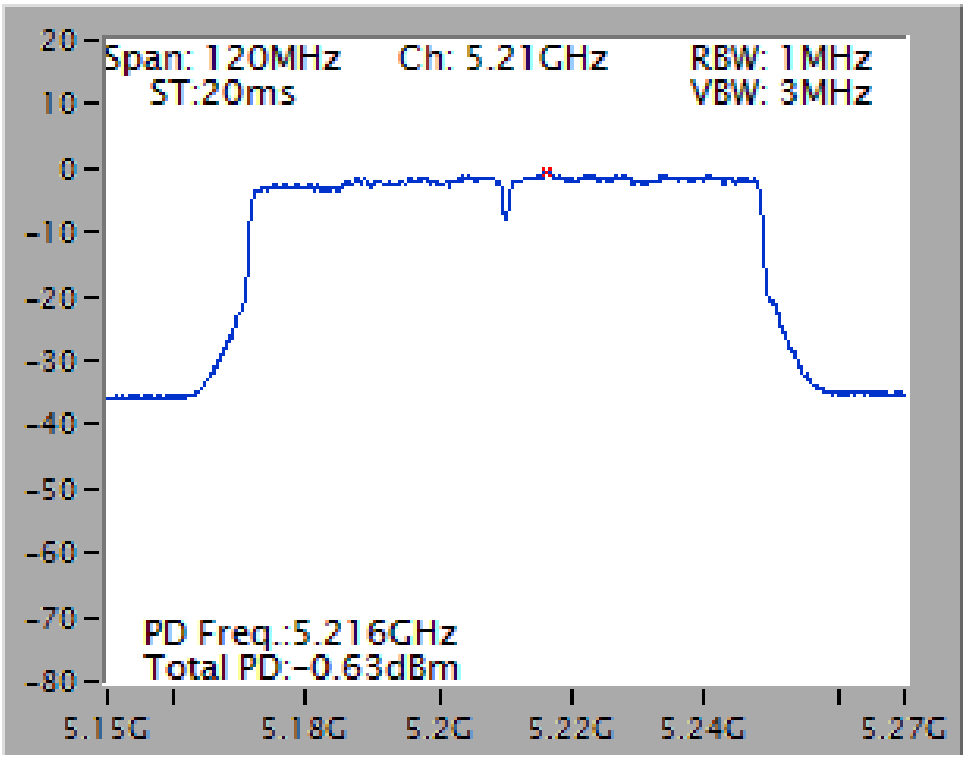
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5230 MHz**



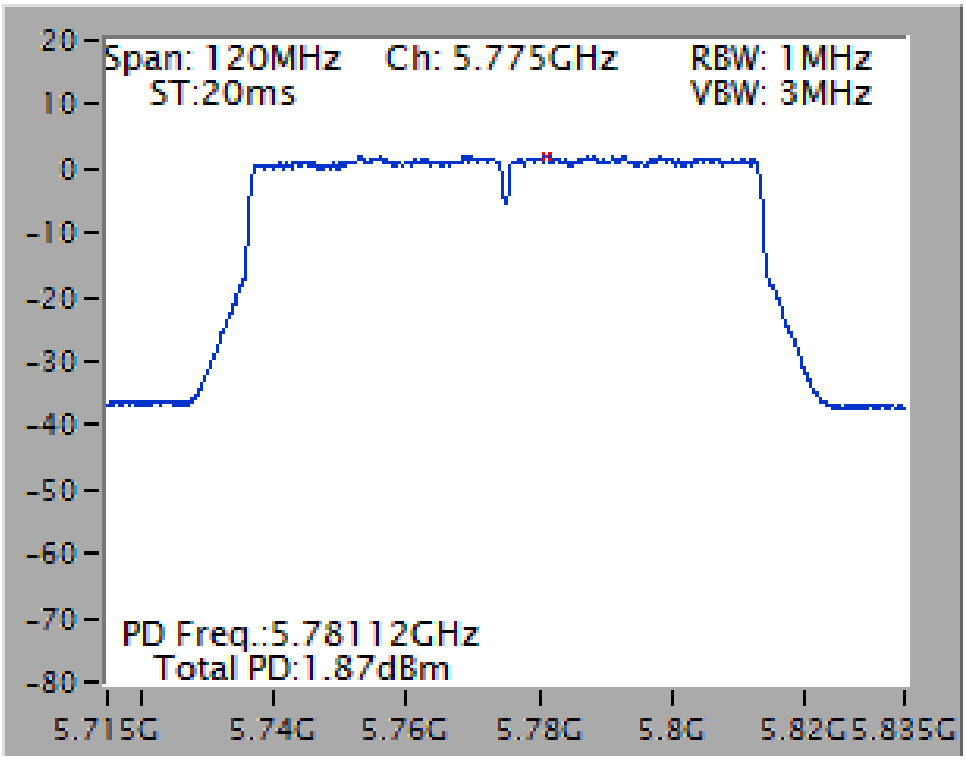

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5795 MHz**



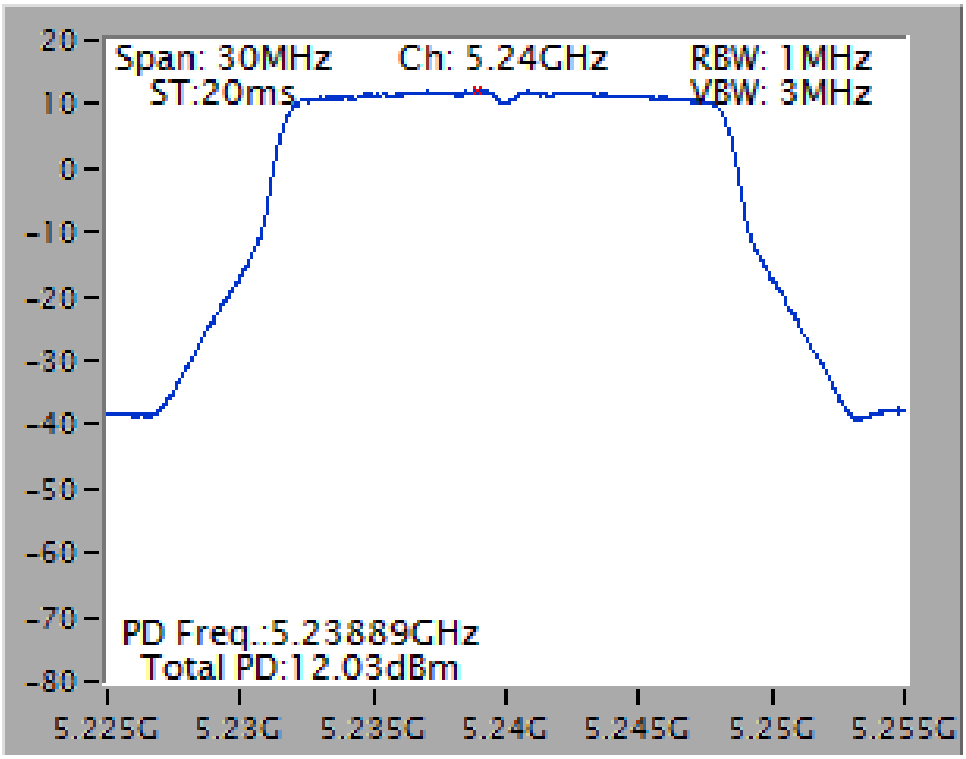
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5210 MHz**



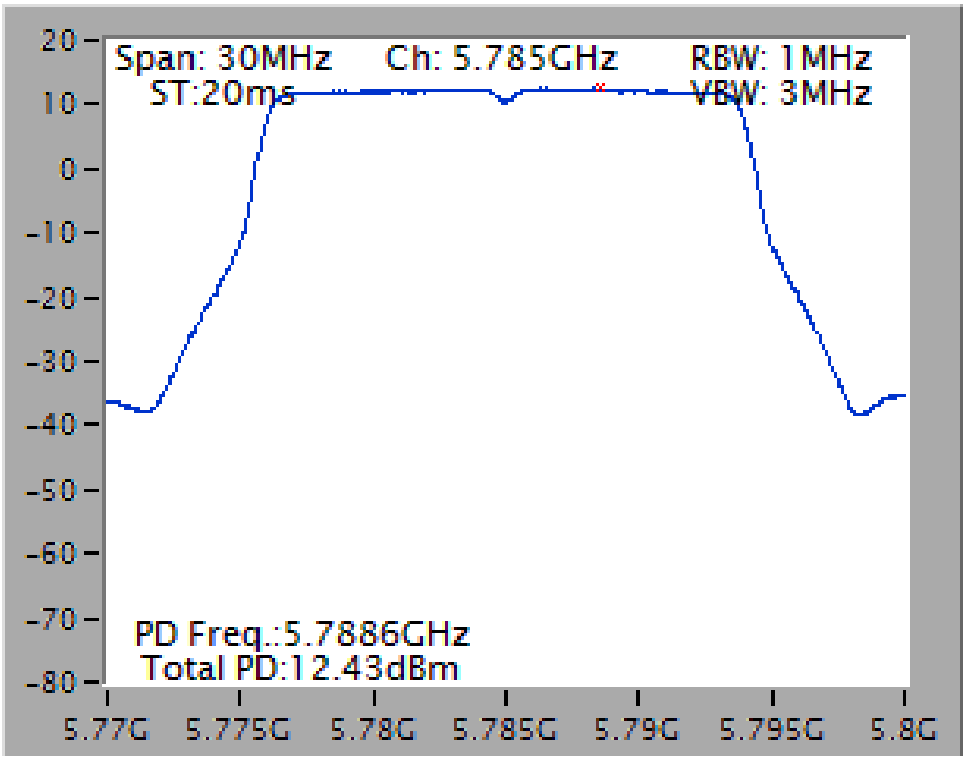

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5775 MHz**



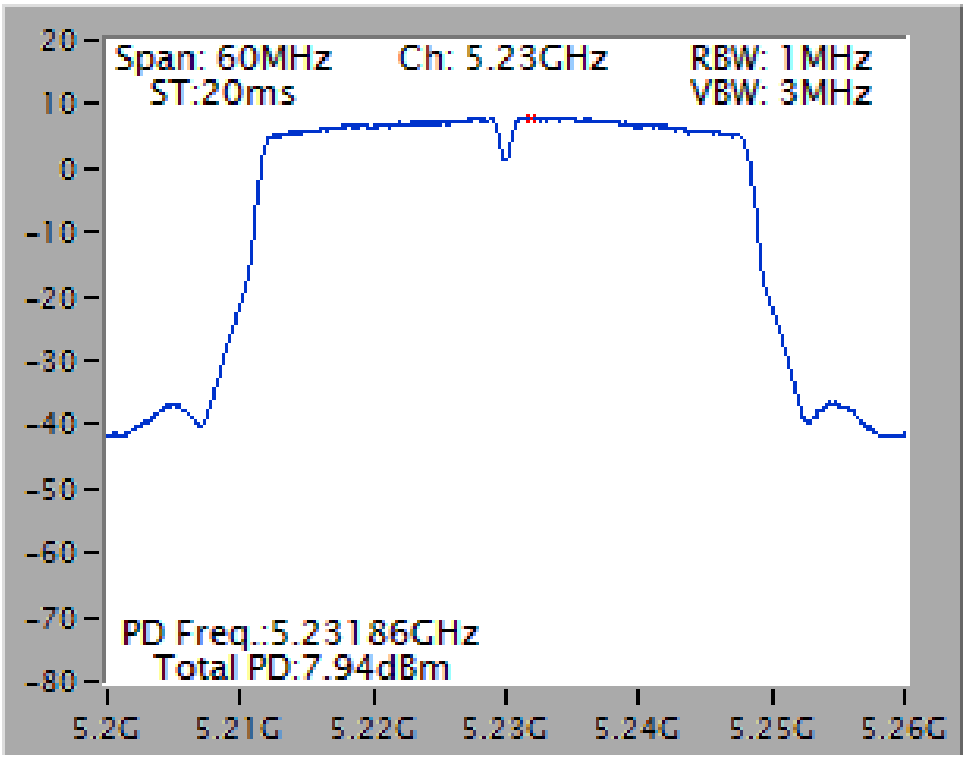
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss4 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5240 MHz**



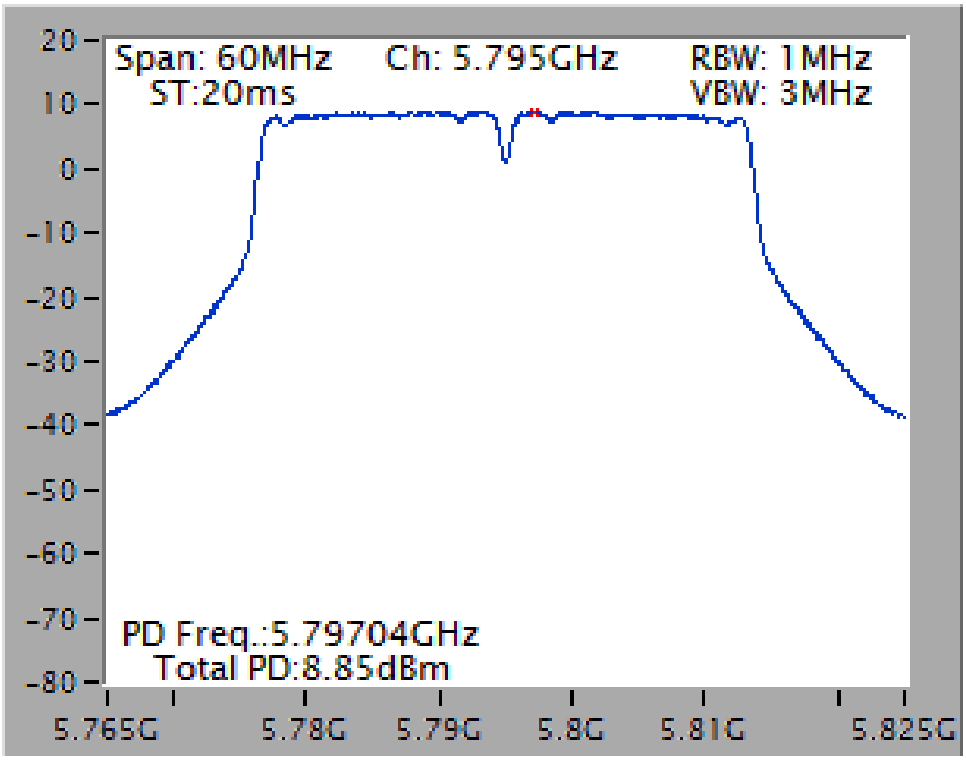

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss4 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz**



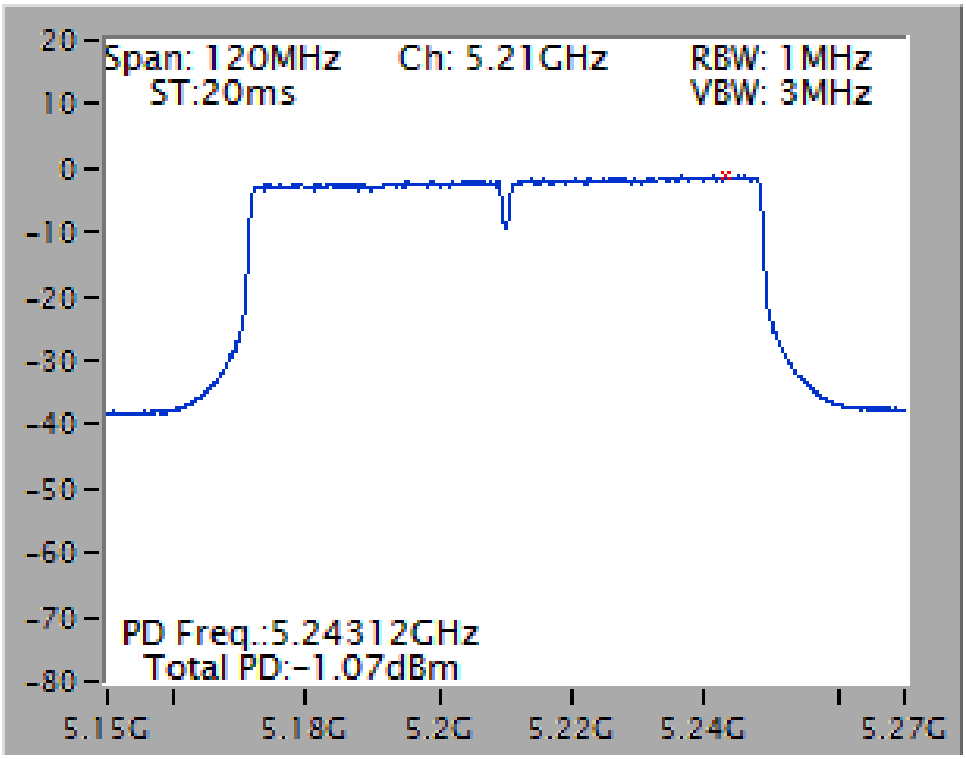
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss4 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5230 MHz**



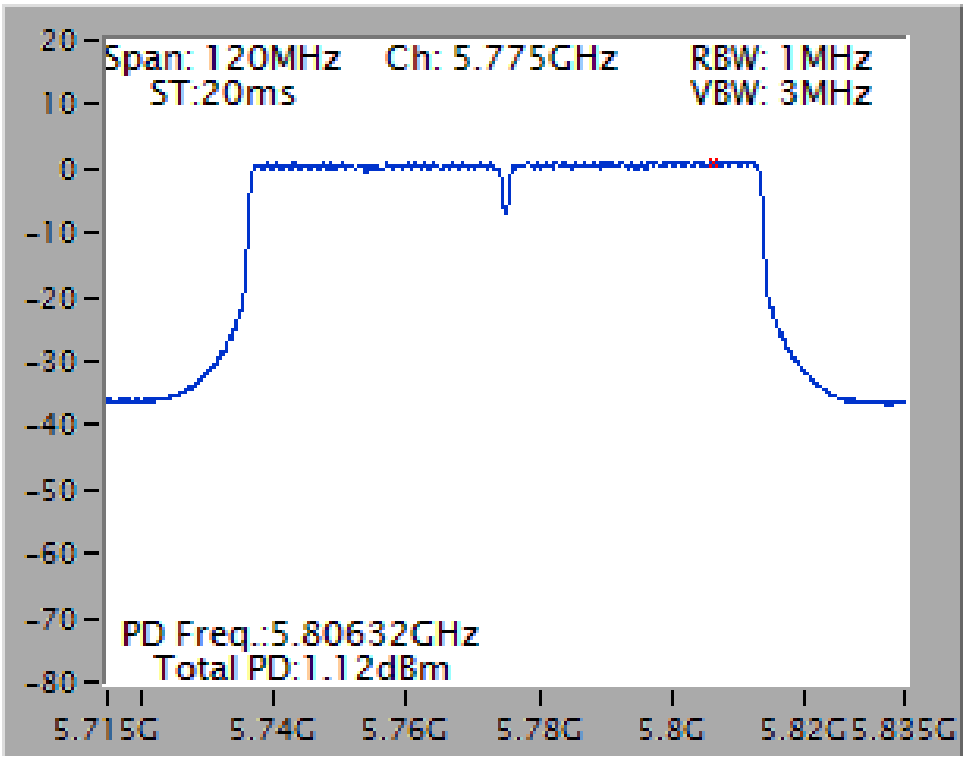

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss4 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5795 MHz**



**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss4 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5210 MHz**



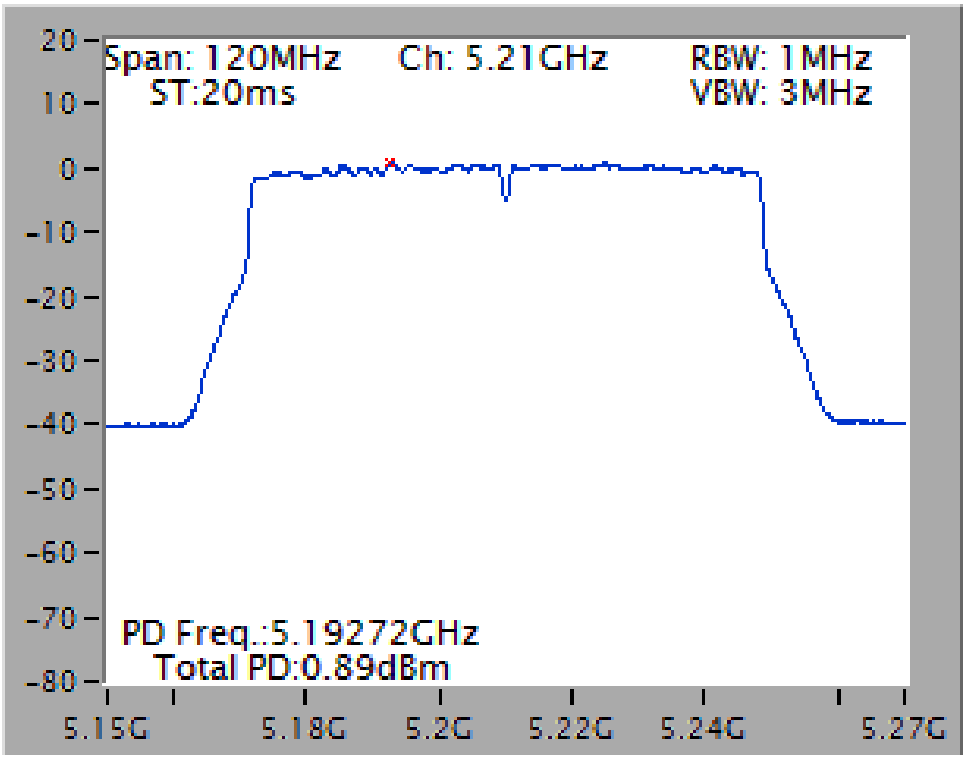

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss4 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5775 MHz**



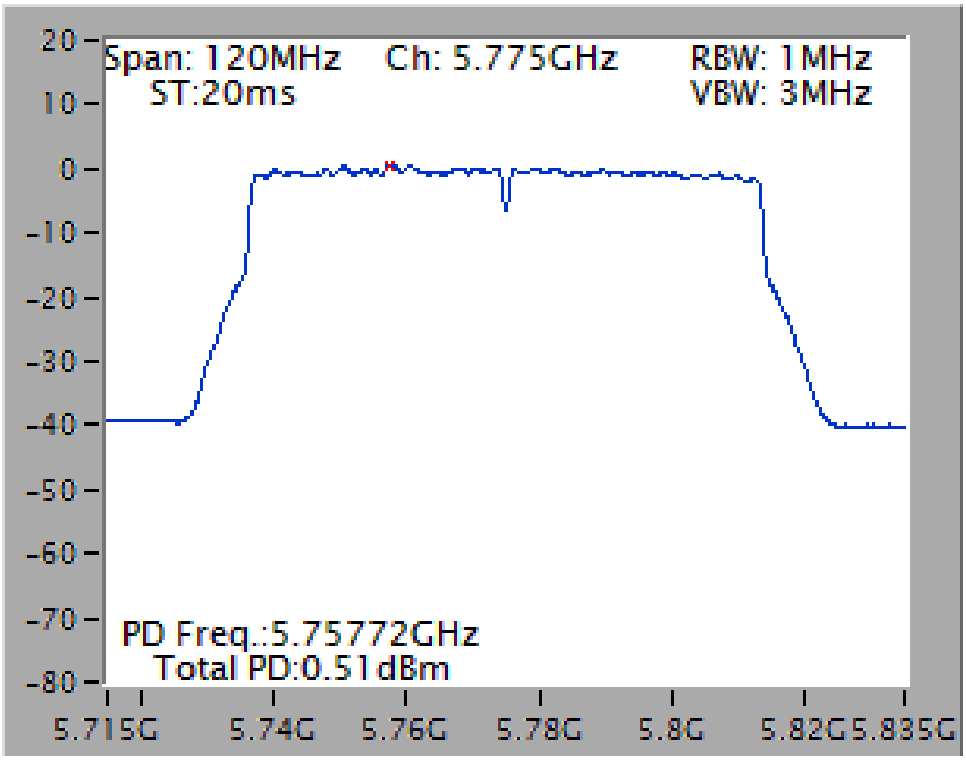
For 802.11ac MCS0/Nss2 VHT80+80 Mode

Type 1

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



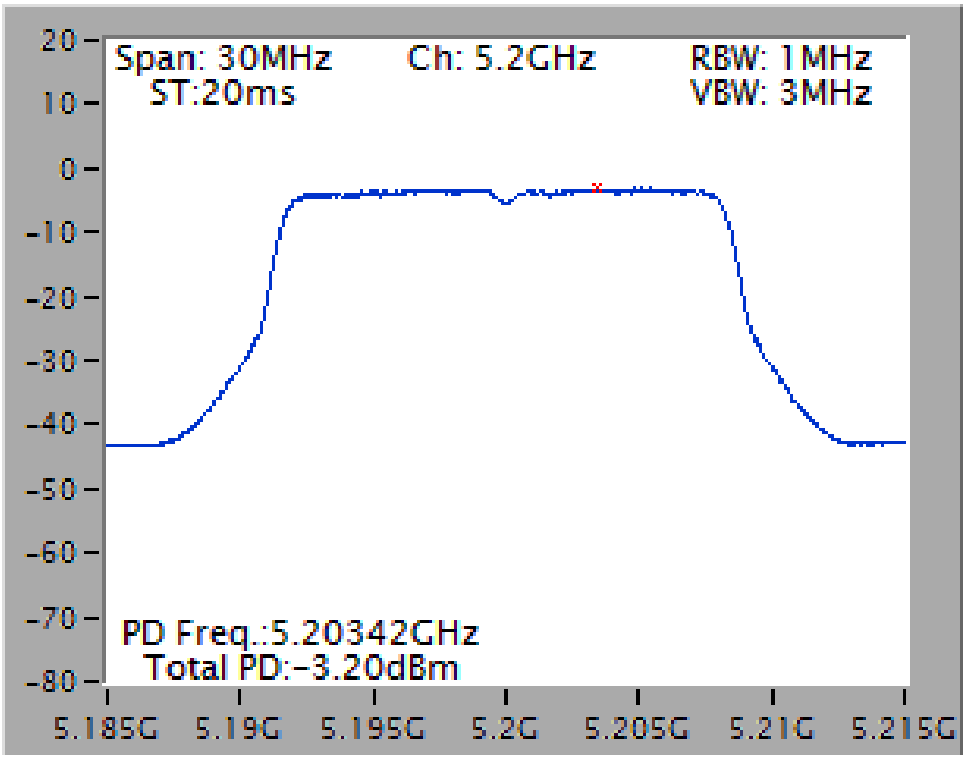

Power Density Plot on Chain 3 + Chain 4 / 5775 MHz



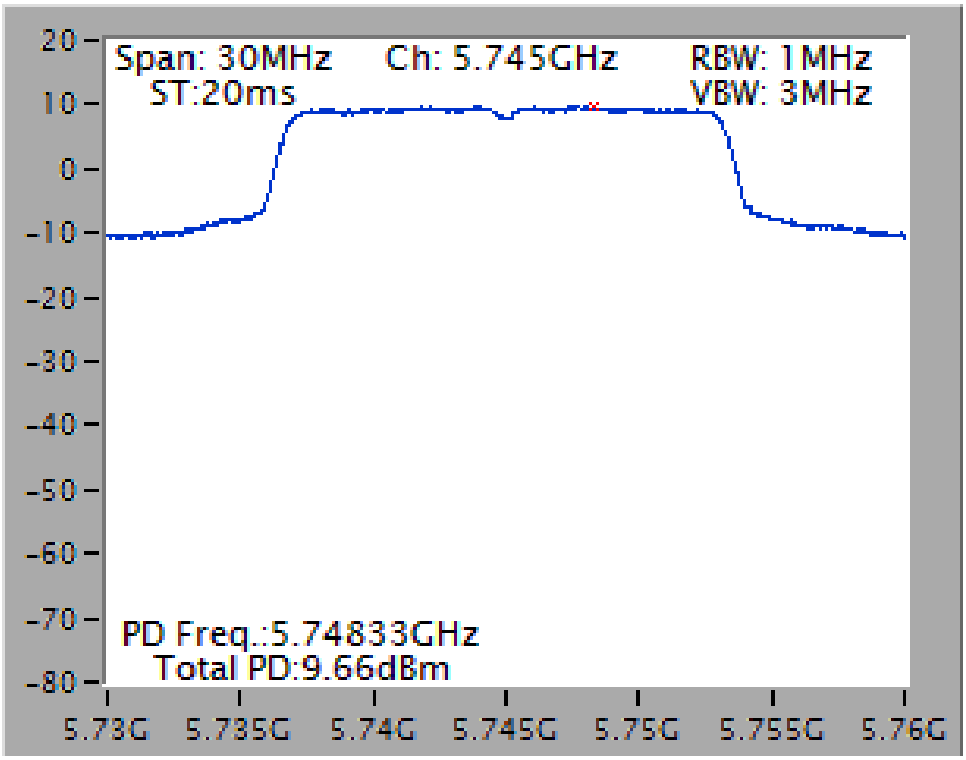
<For Radio 2 Beamforming Mode>

For Mode 1:

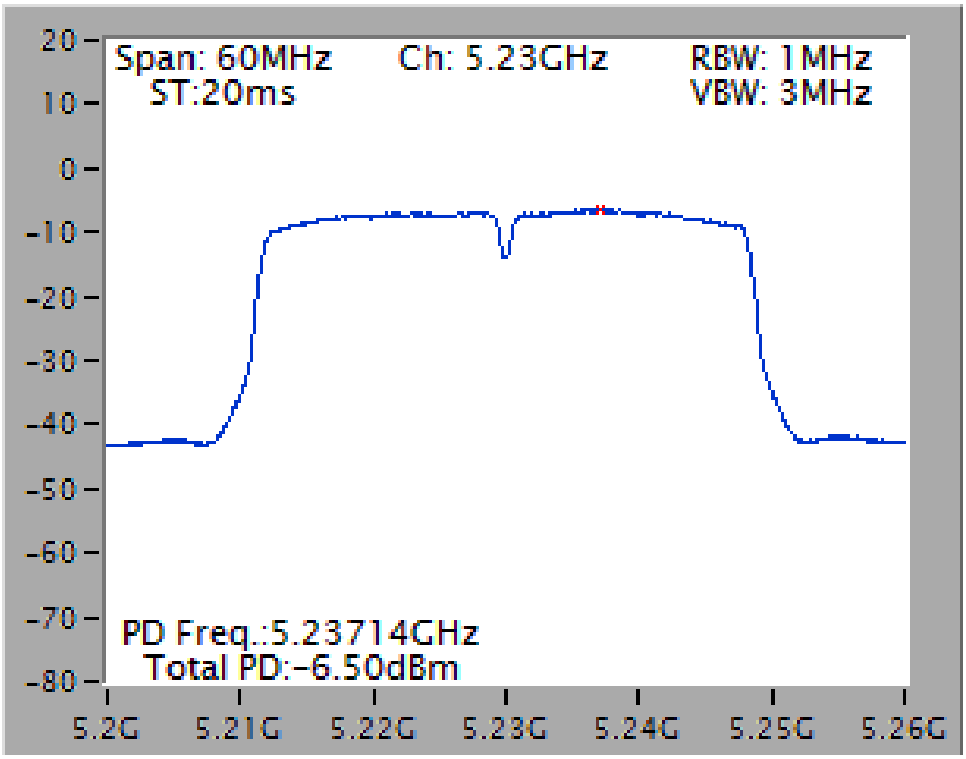
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5200 MHz



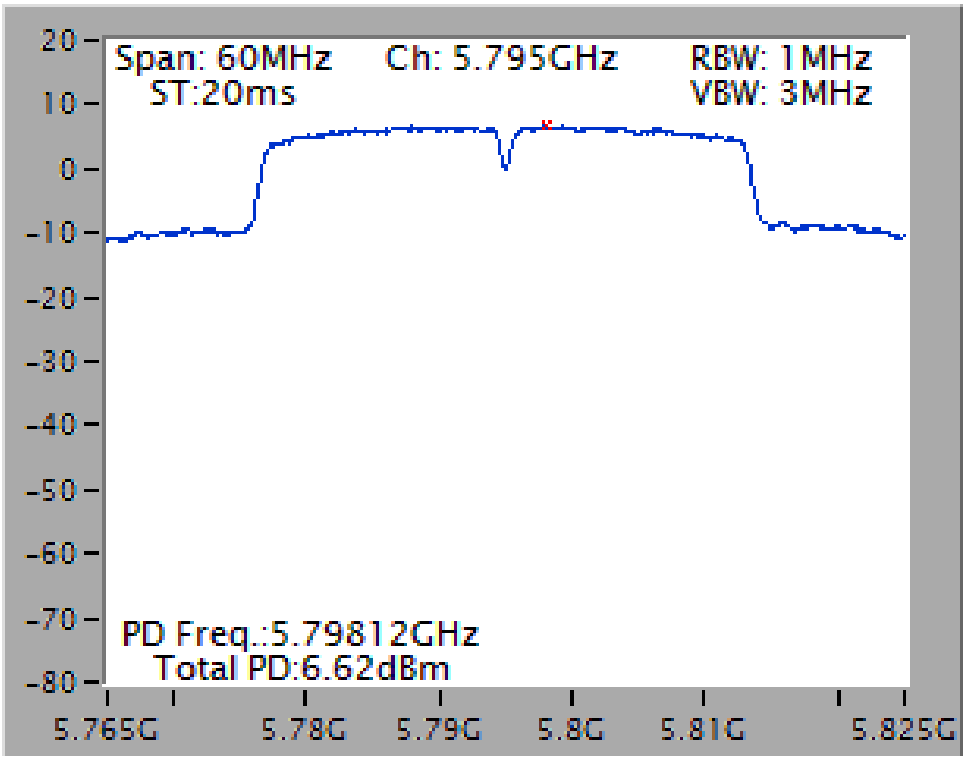

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5745 MHz



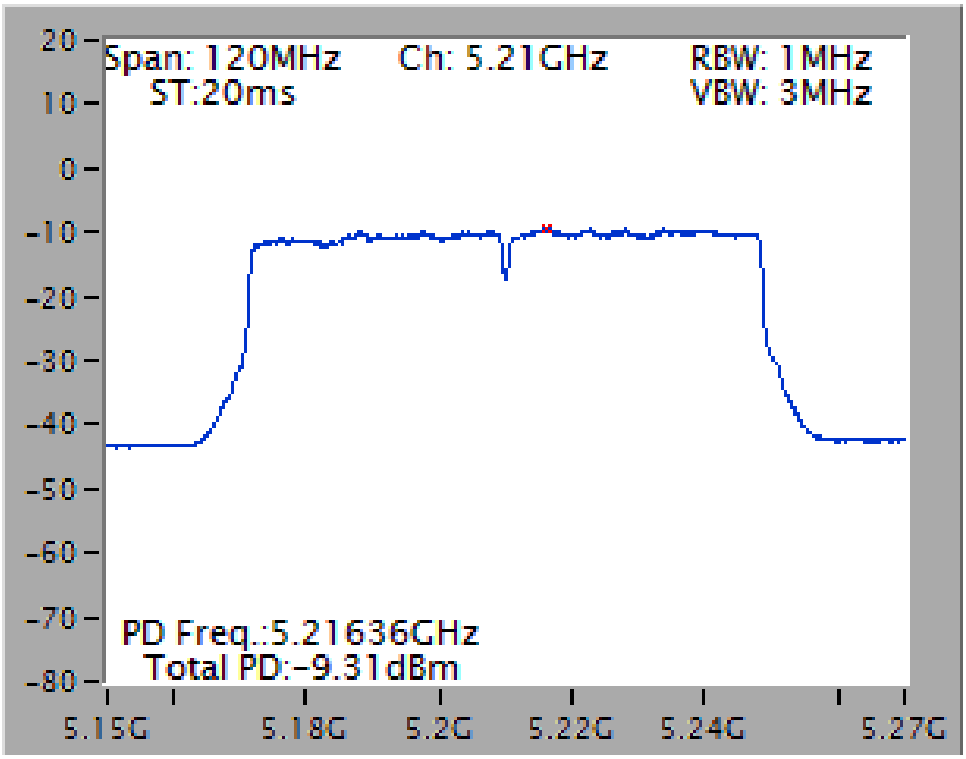
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5230 MHz**



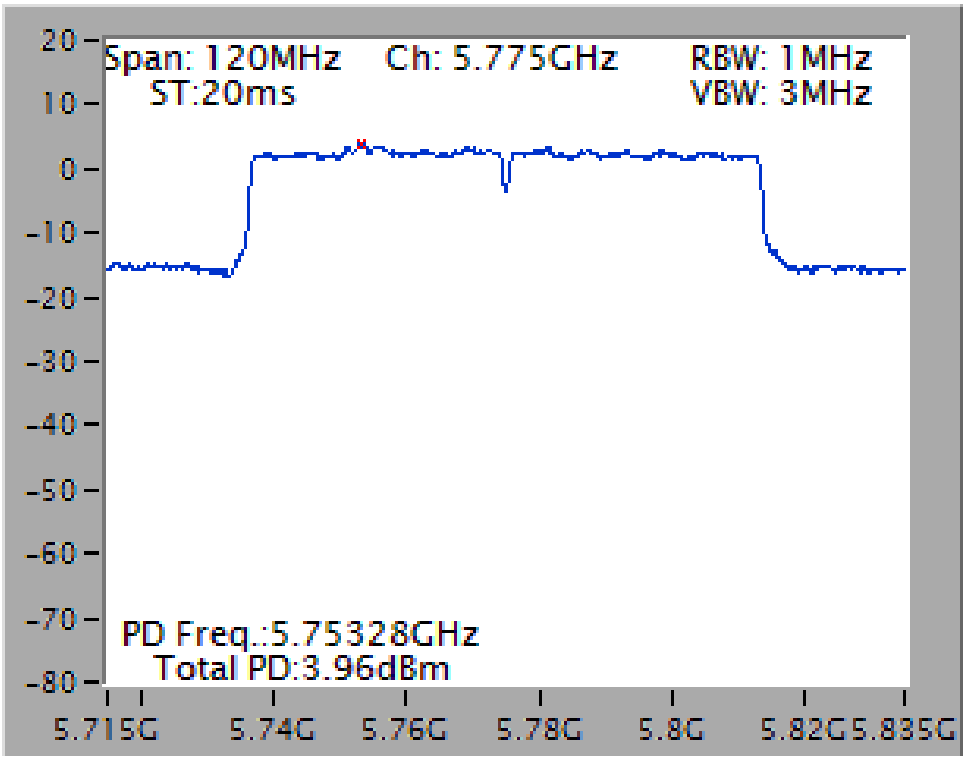

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5795 MHz**



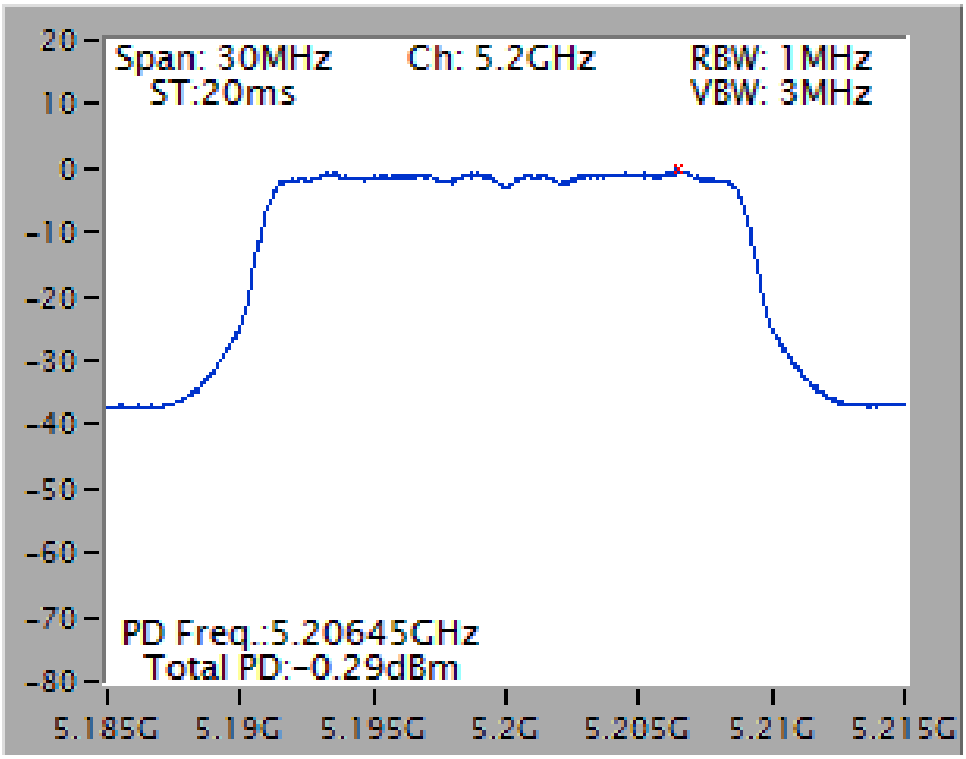
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5210 MHz**



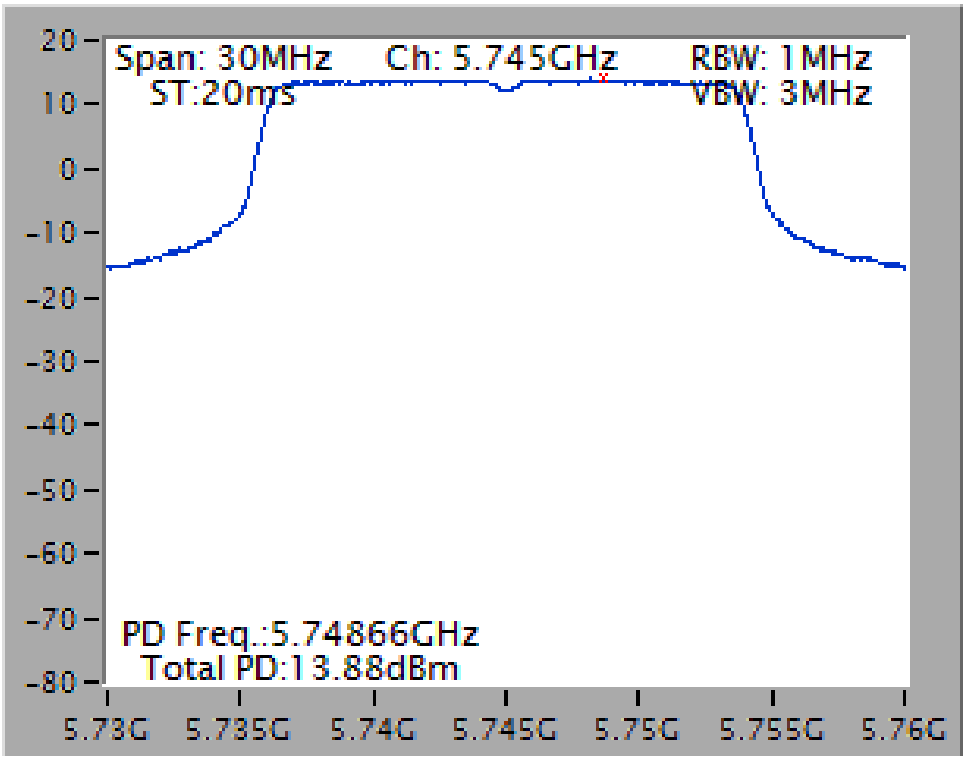

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5775 MHz**



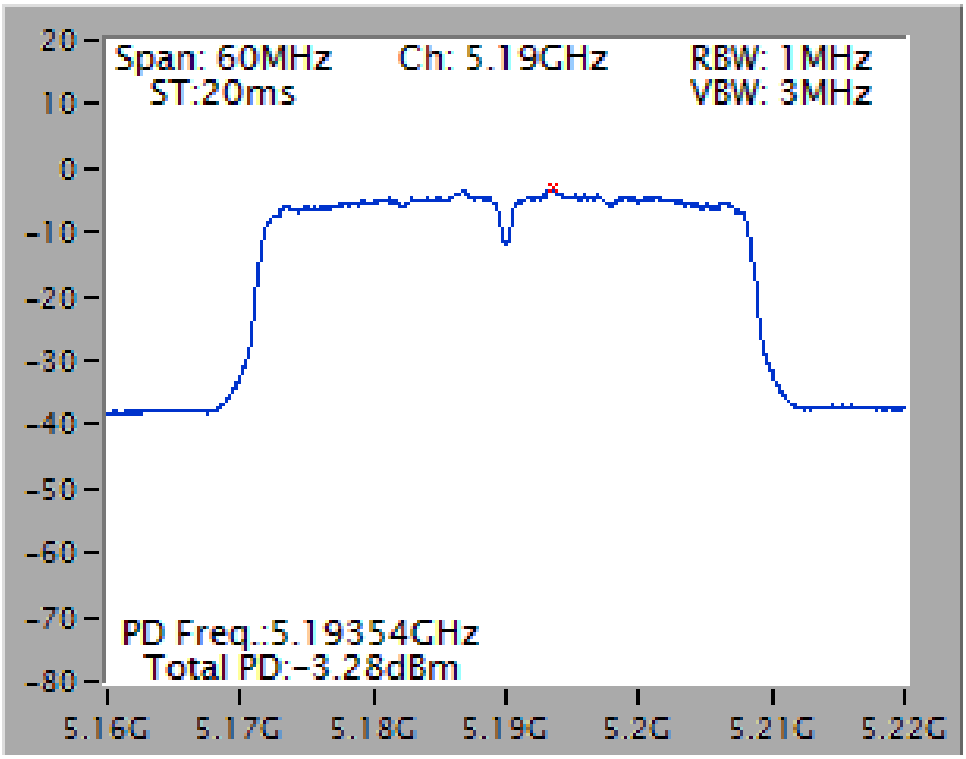
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5200 MHz**



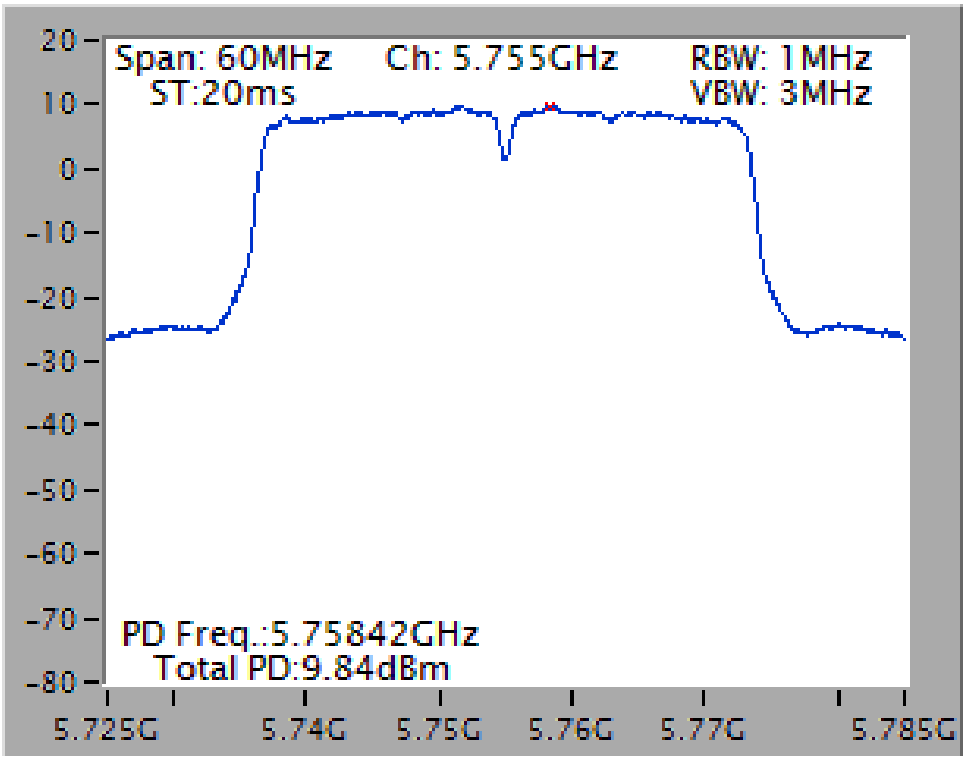

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5745 MHz**



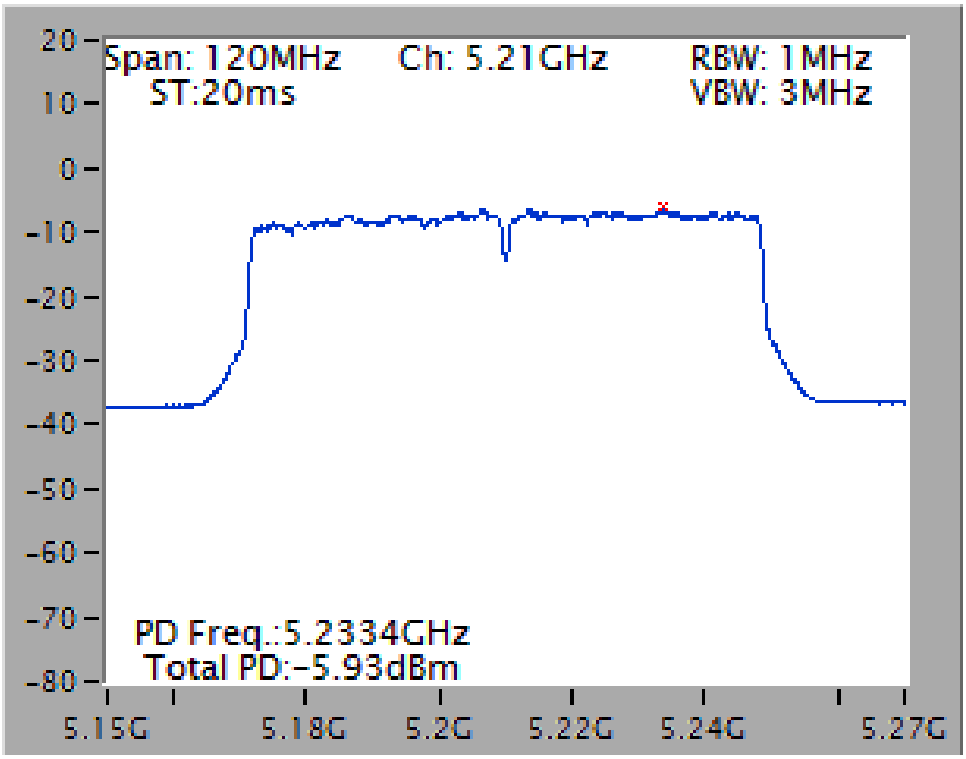
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5190 MHz**



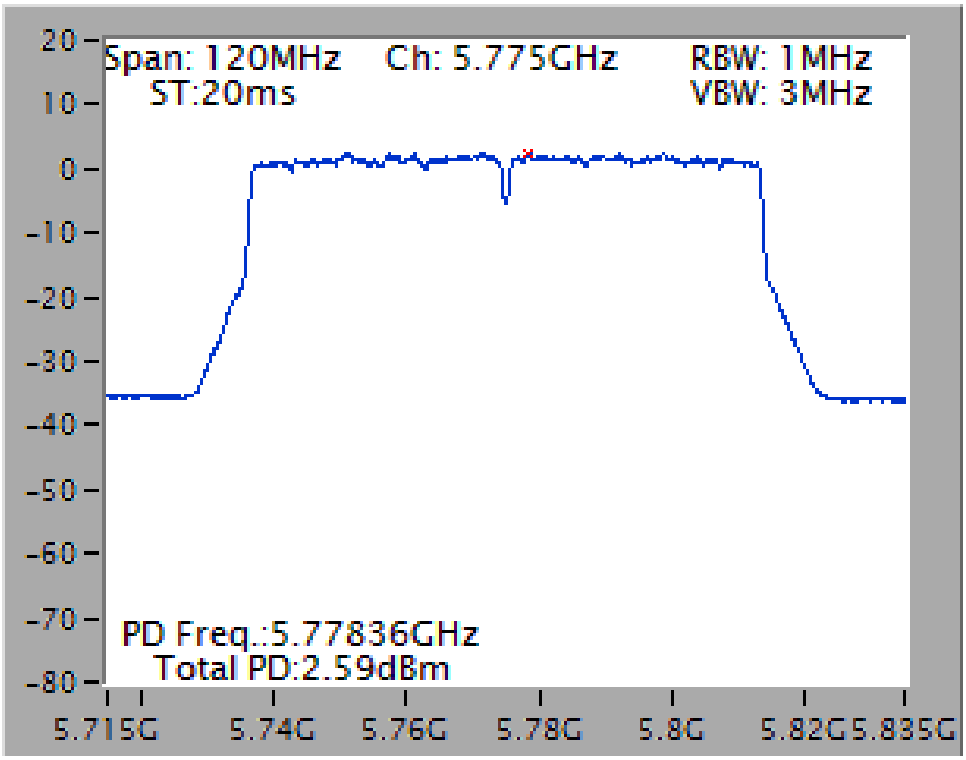

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5755 MHz**



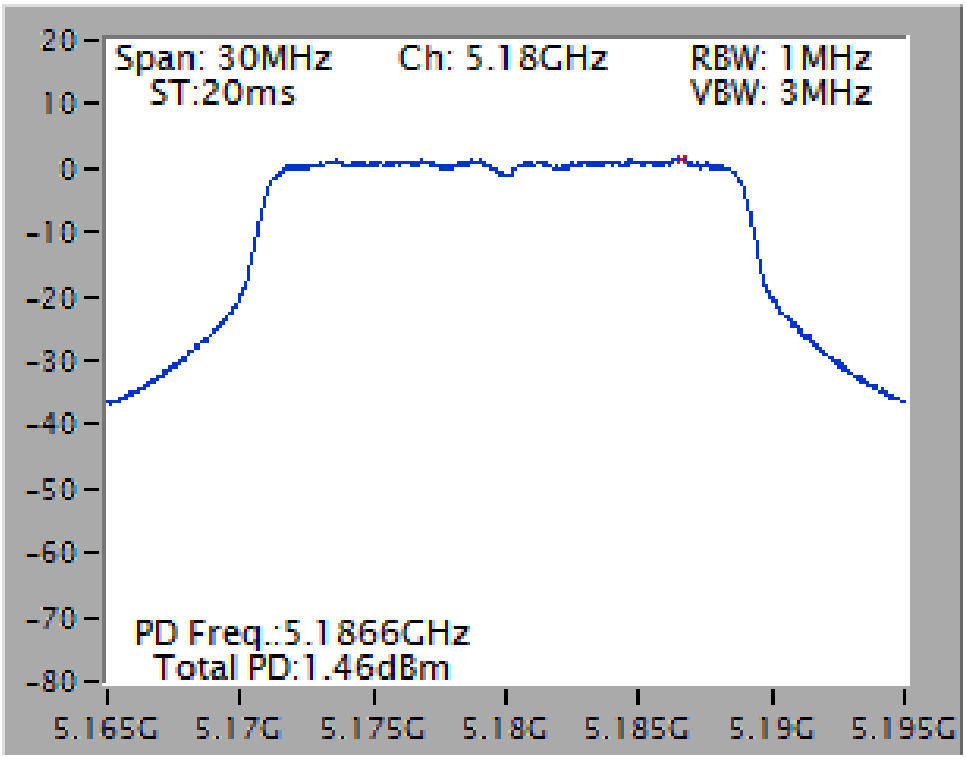
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5210 MHz**



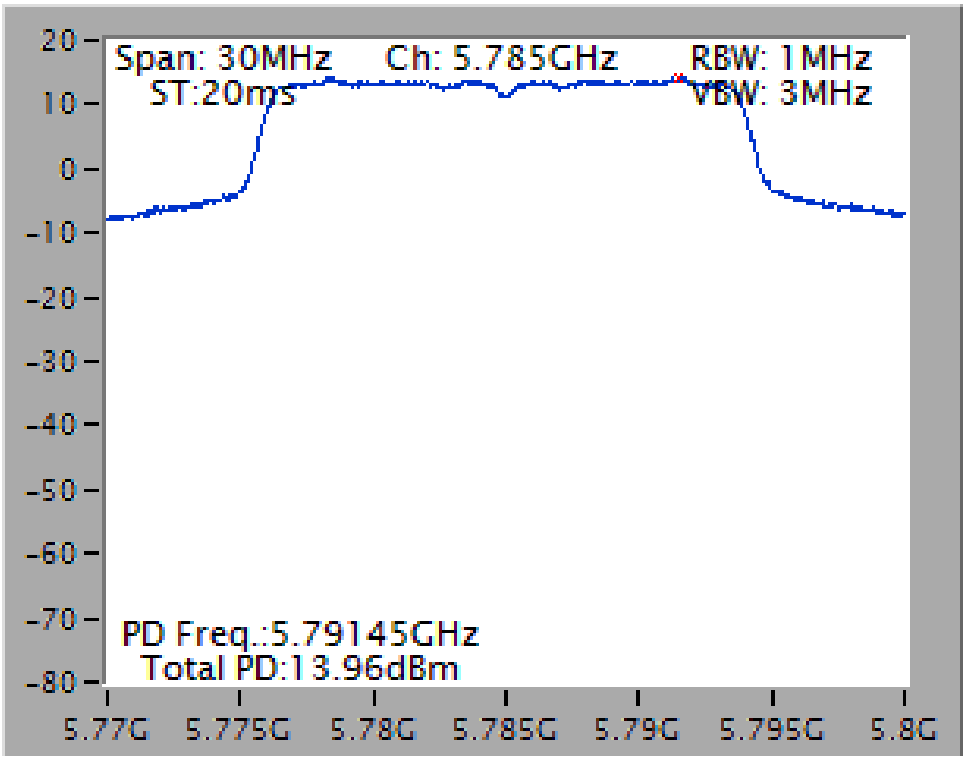

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5775 MHz**



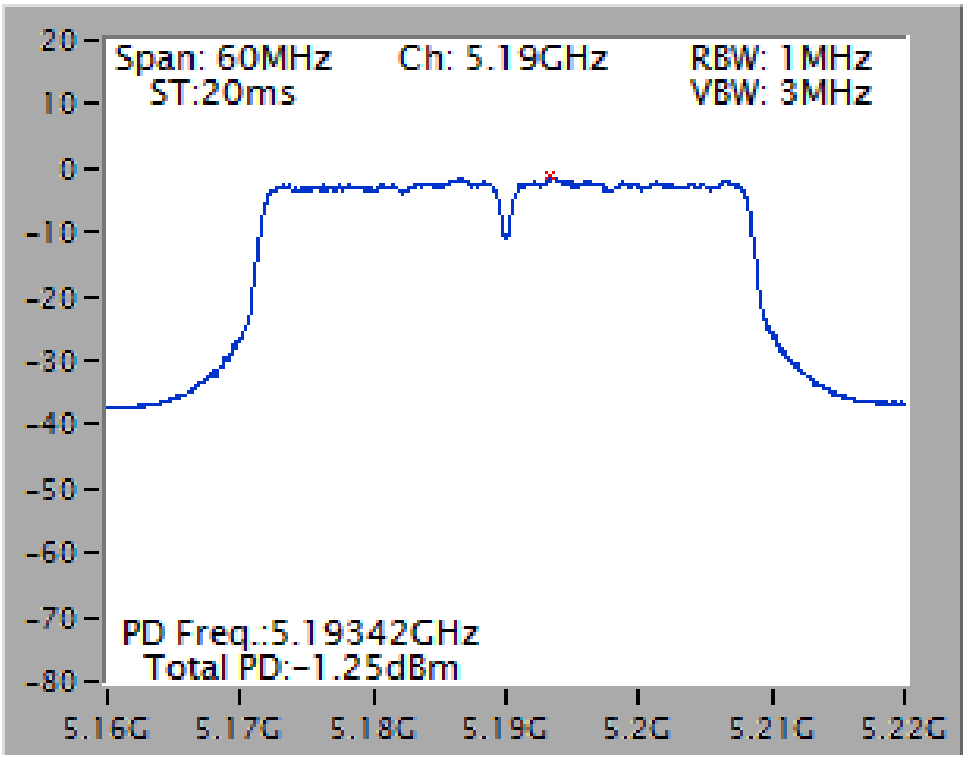
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5180 MHz**



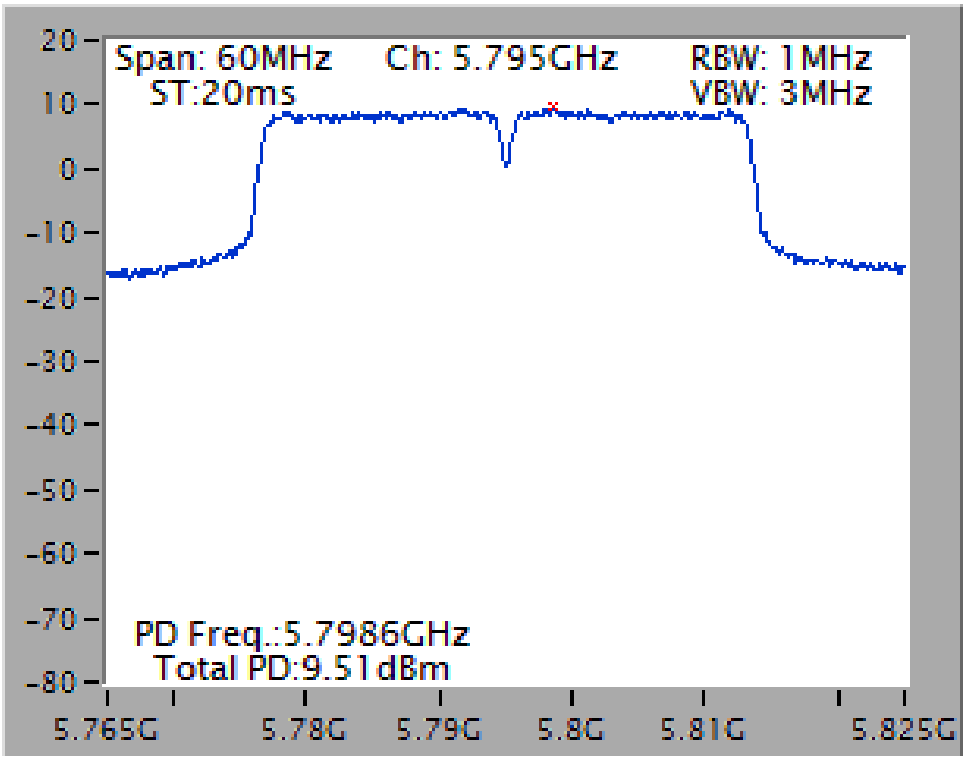

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz**



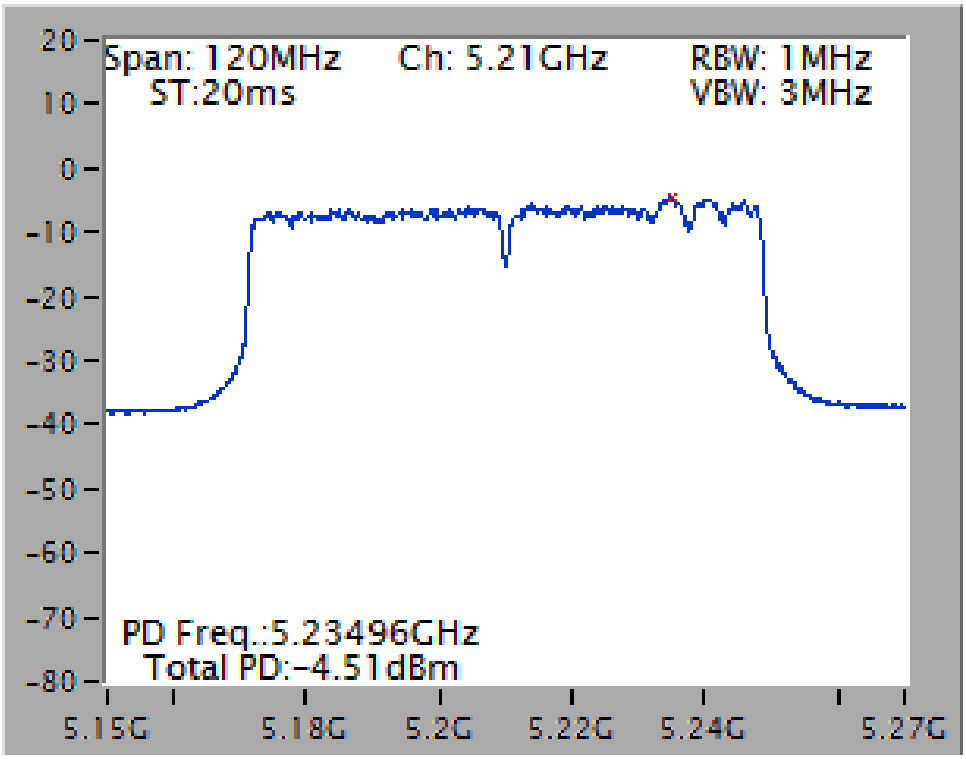
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5190 MHz**



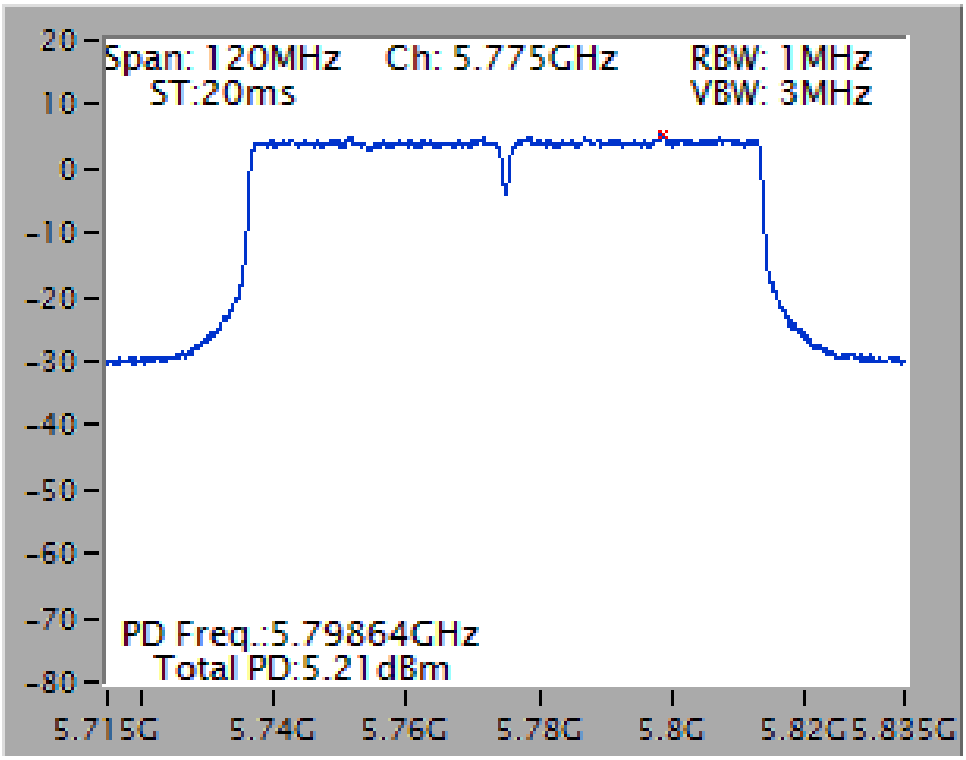

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5795 MHz**



**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5210 MHz**



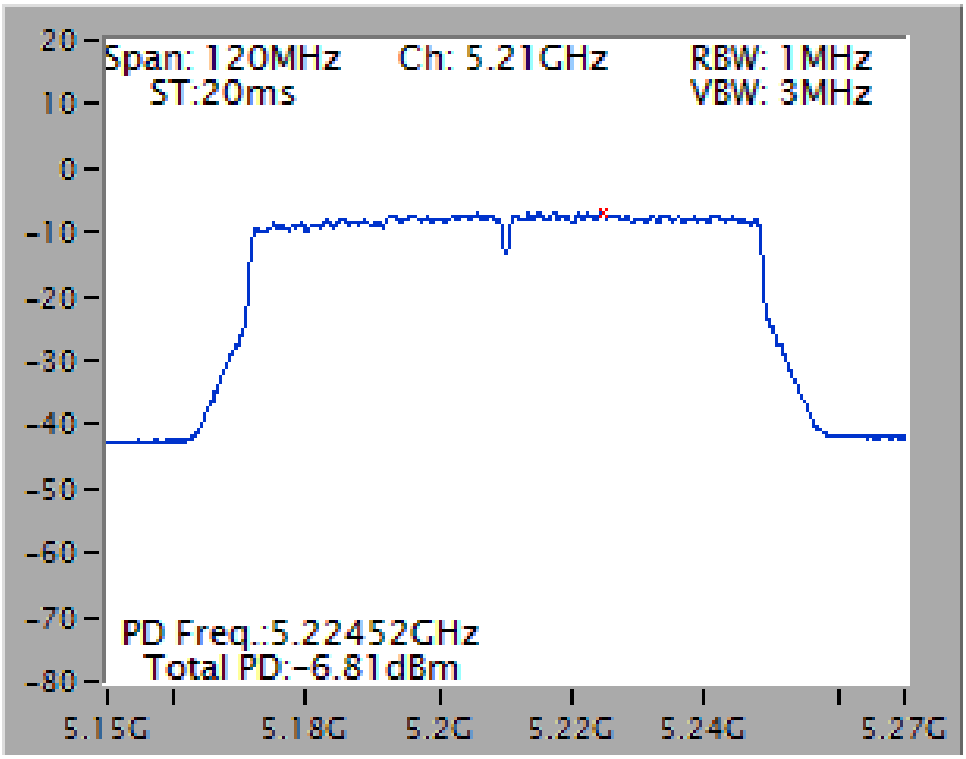

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5775 MHz**



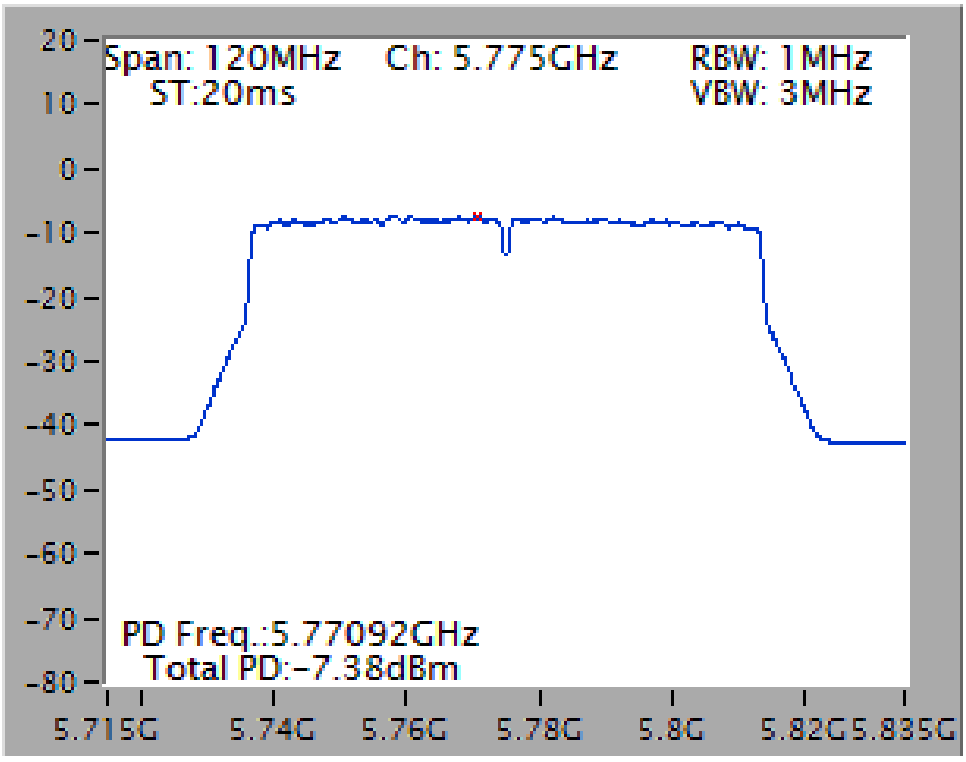
For 802.11ac MCS0/Nss2 VHT80+80 Mode

Type 1

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

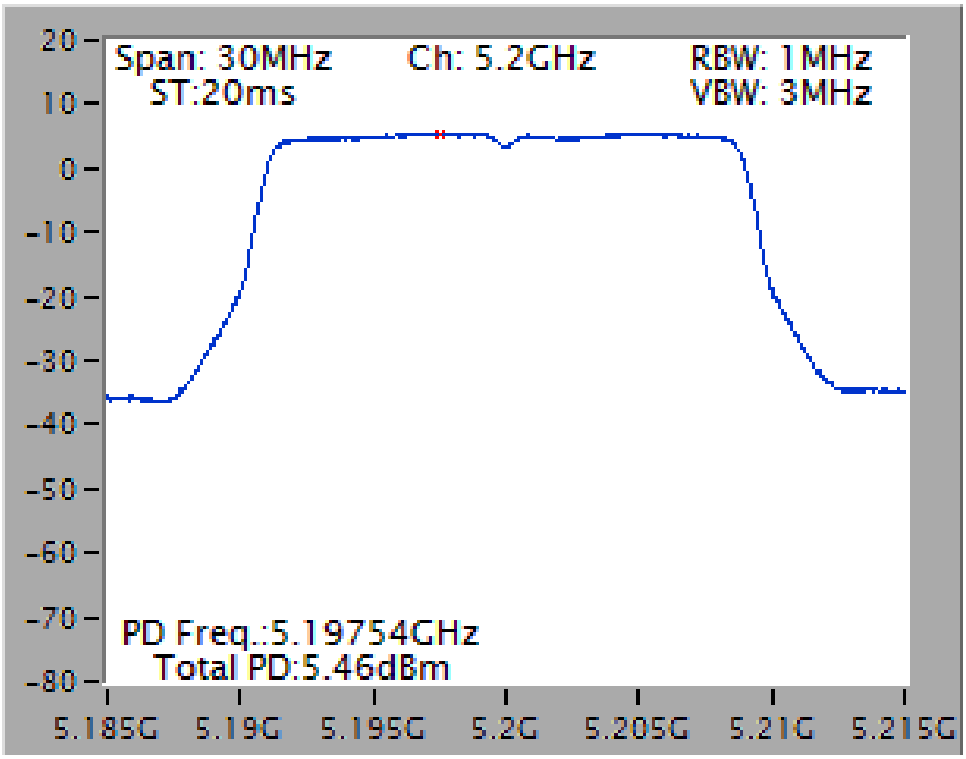



Power Density Plot on Chain 3 + Chain 4 / 5775 MHz

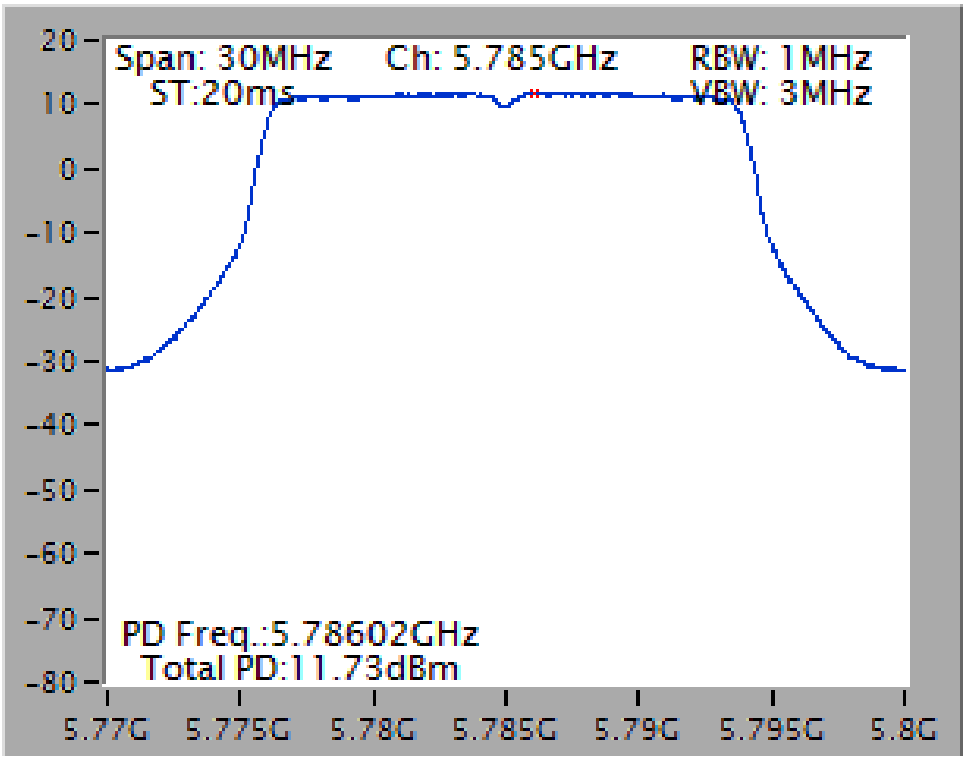


For Mode 2:

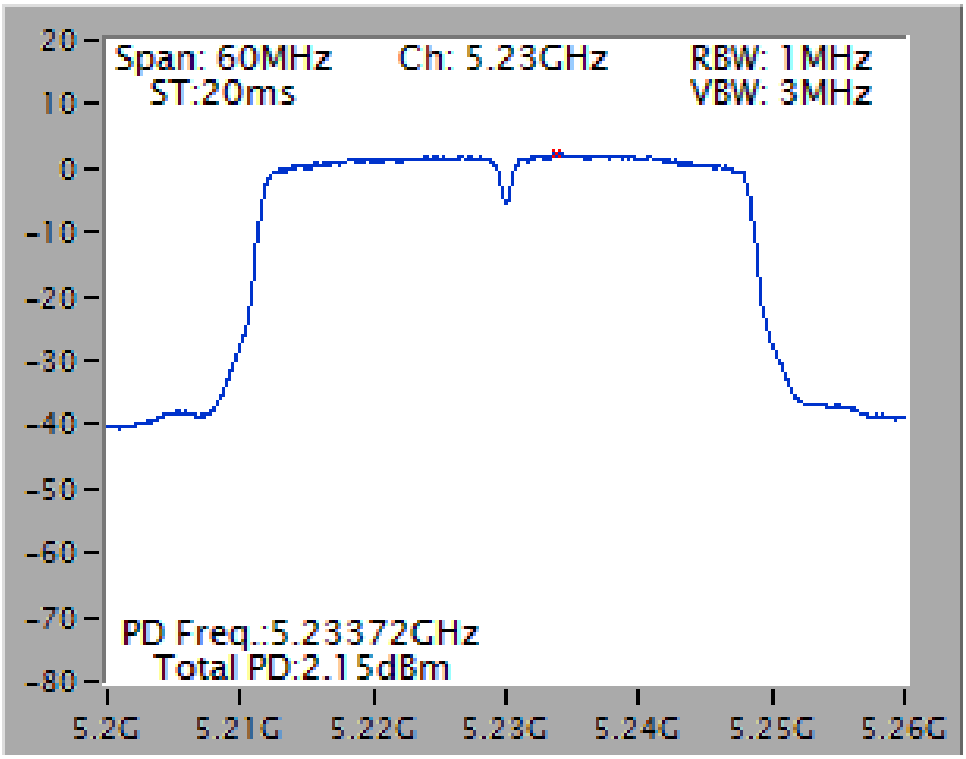
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5200 MHz



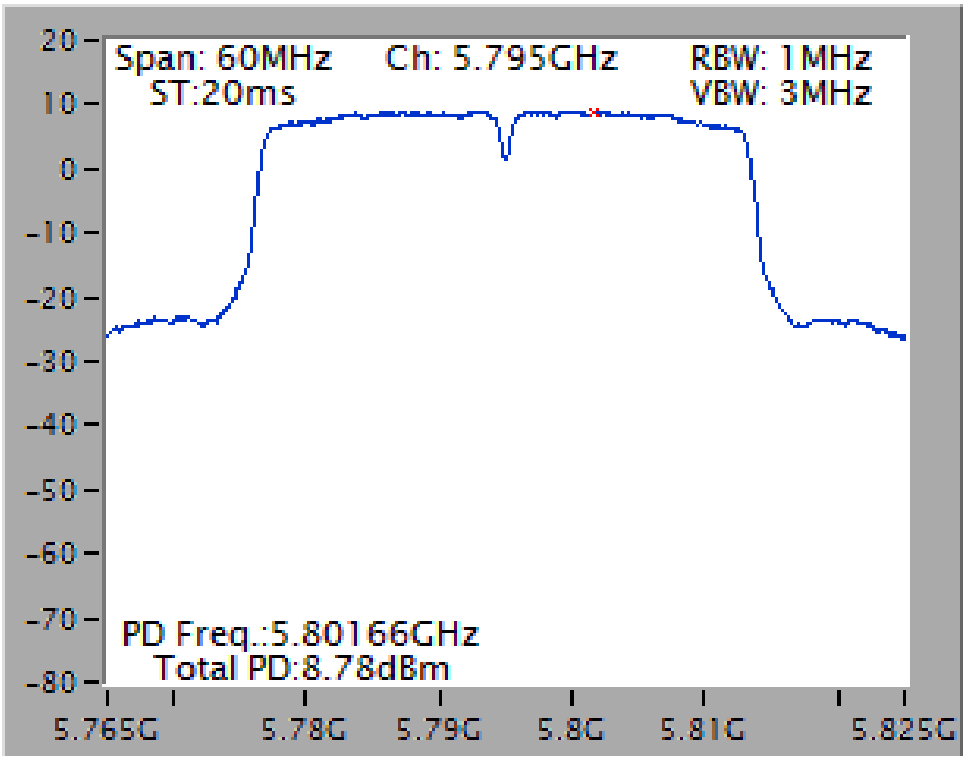

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz



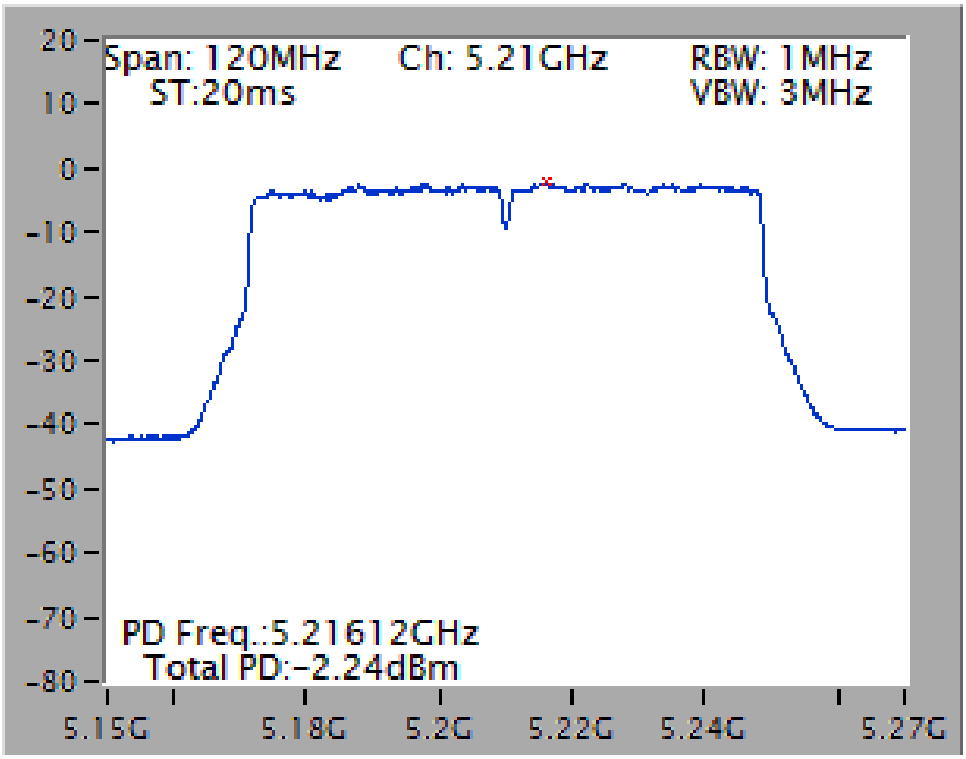
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5230 MHz**



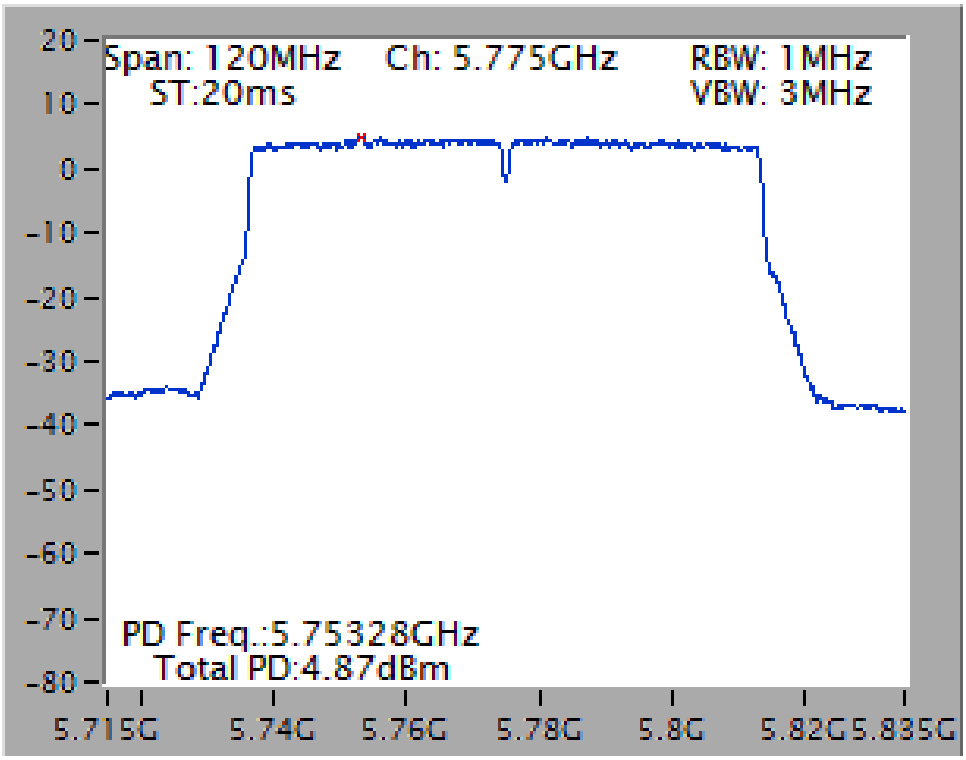

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5795 MHz**



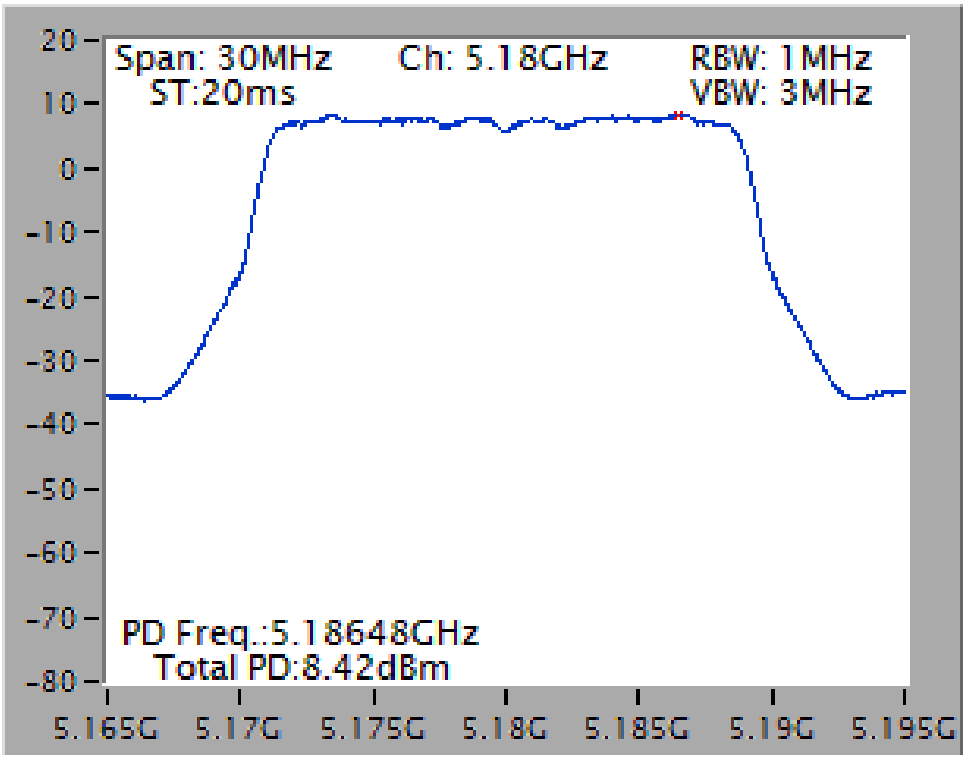
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5210 MHz**



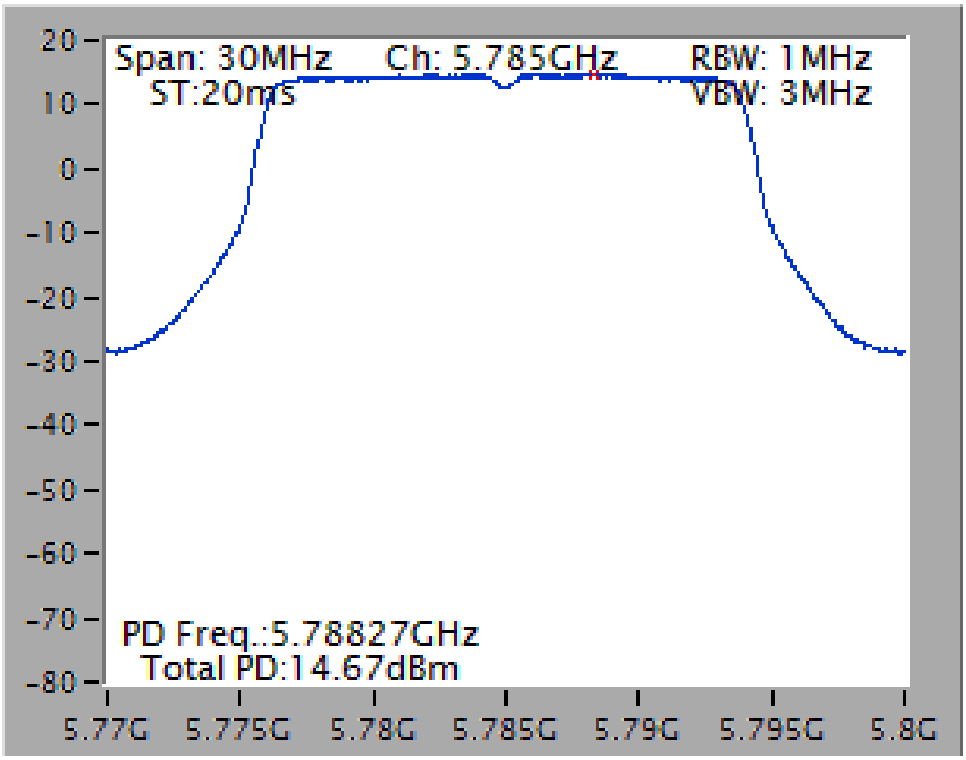

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5775 MHz**



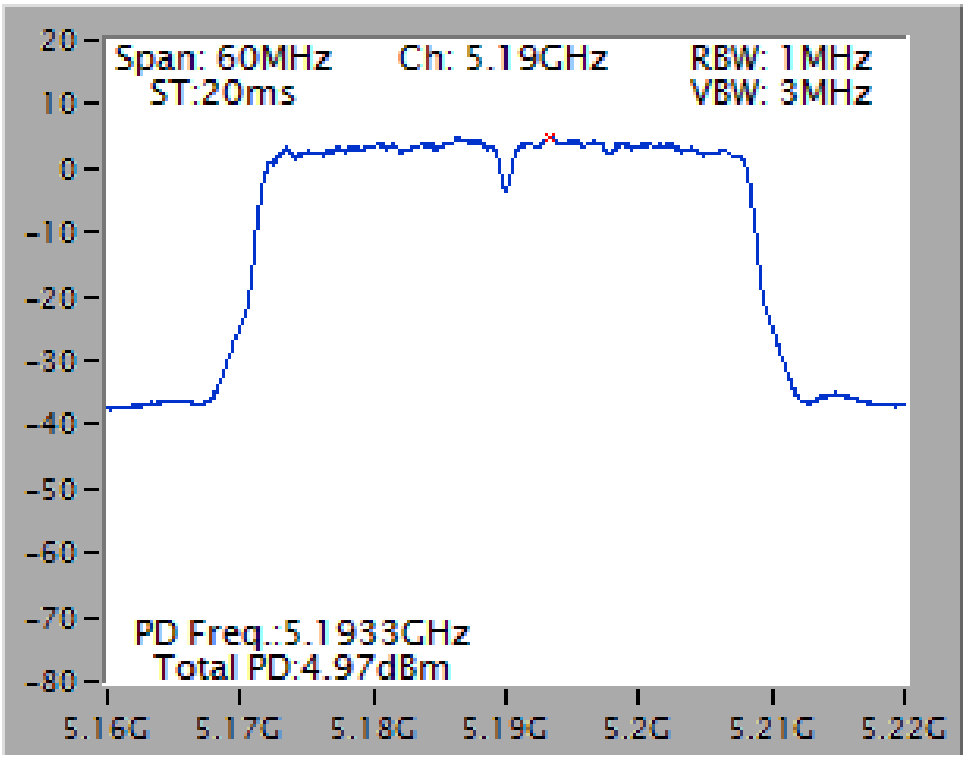
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5180 MHz**



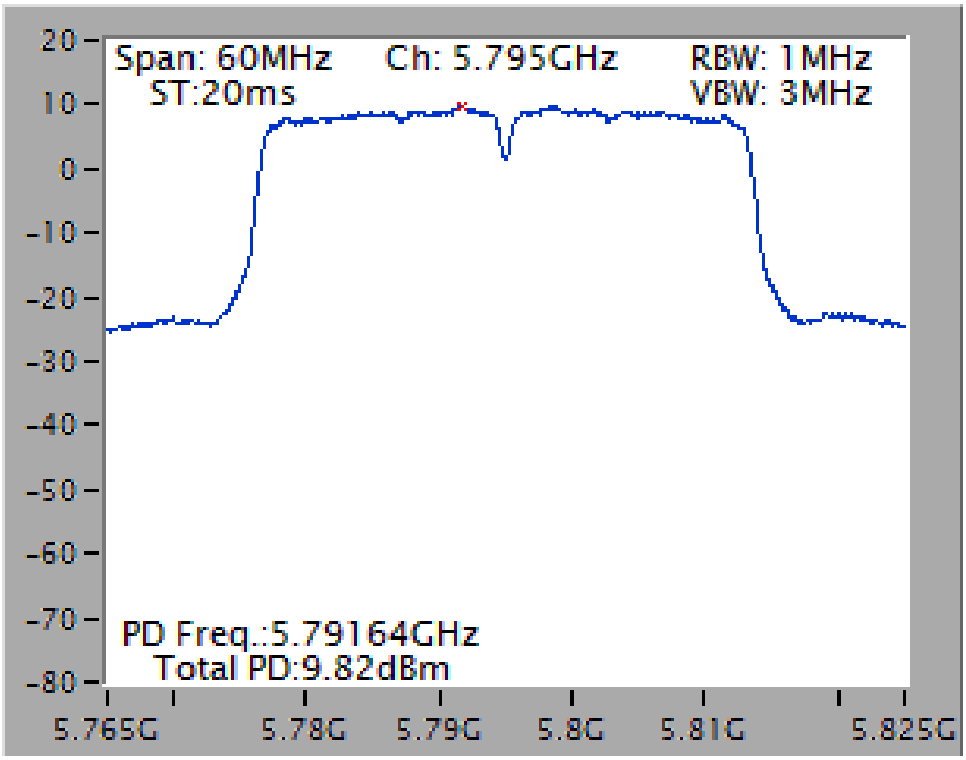

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz**



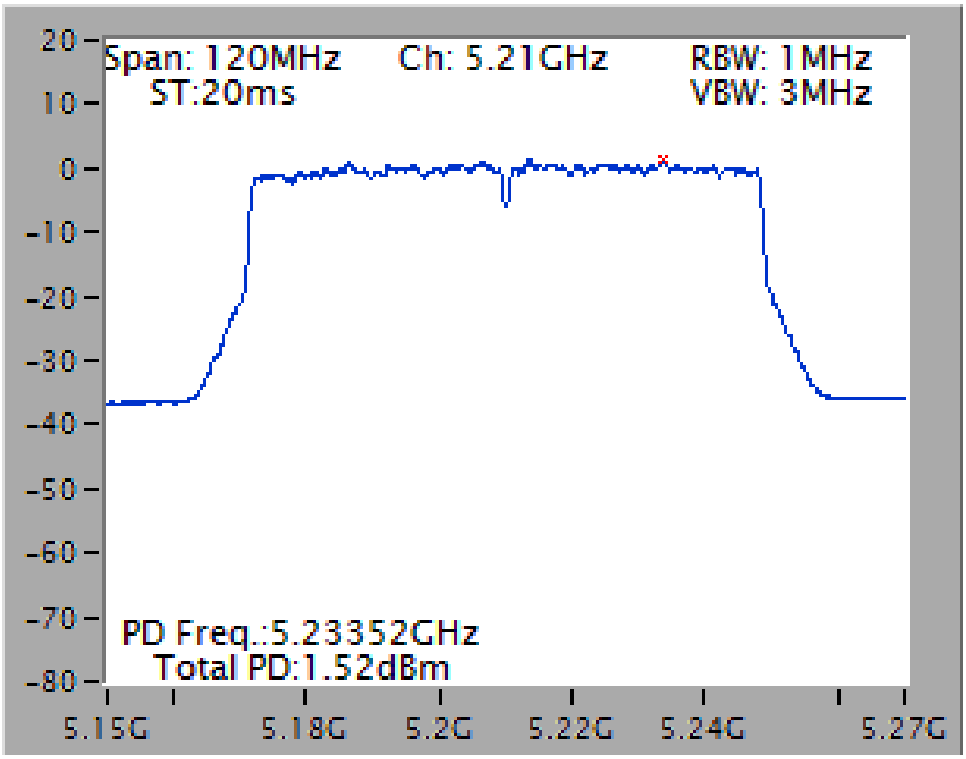
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5190 MHz**



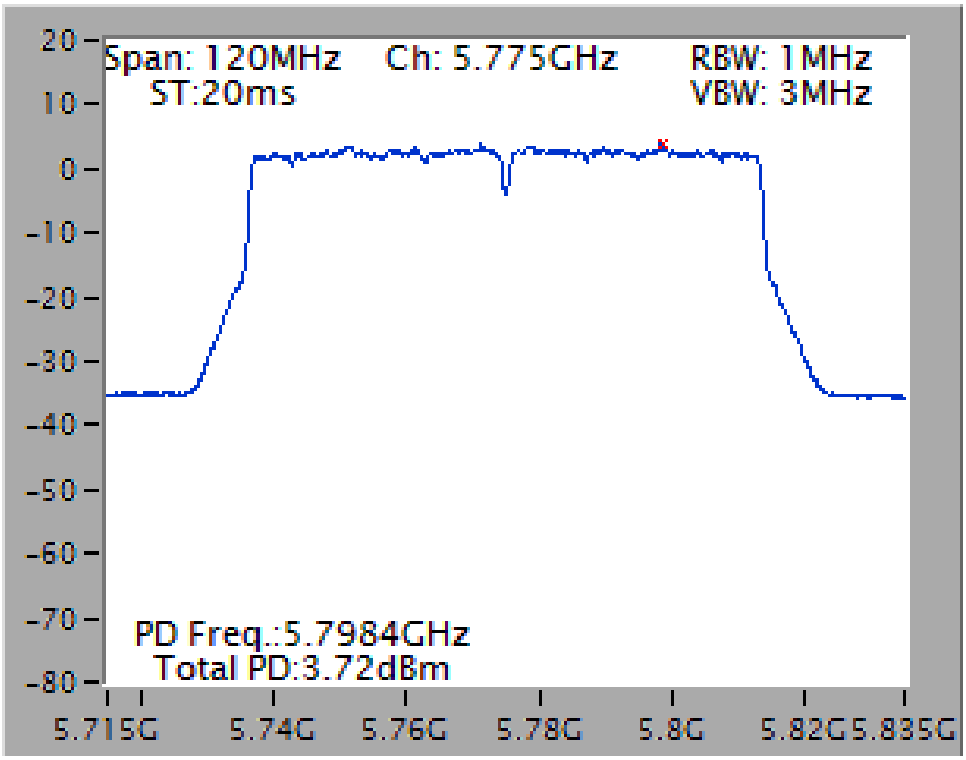

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5795 MHz**



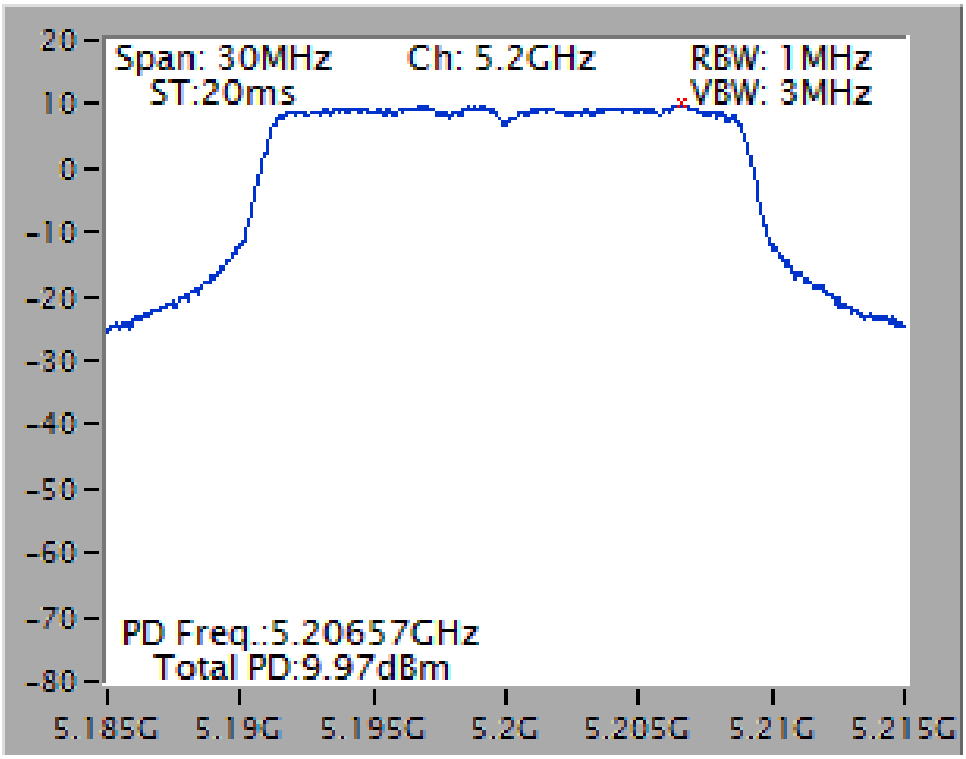
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5210 MHz**



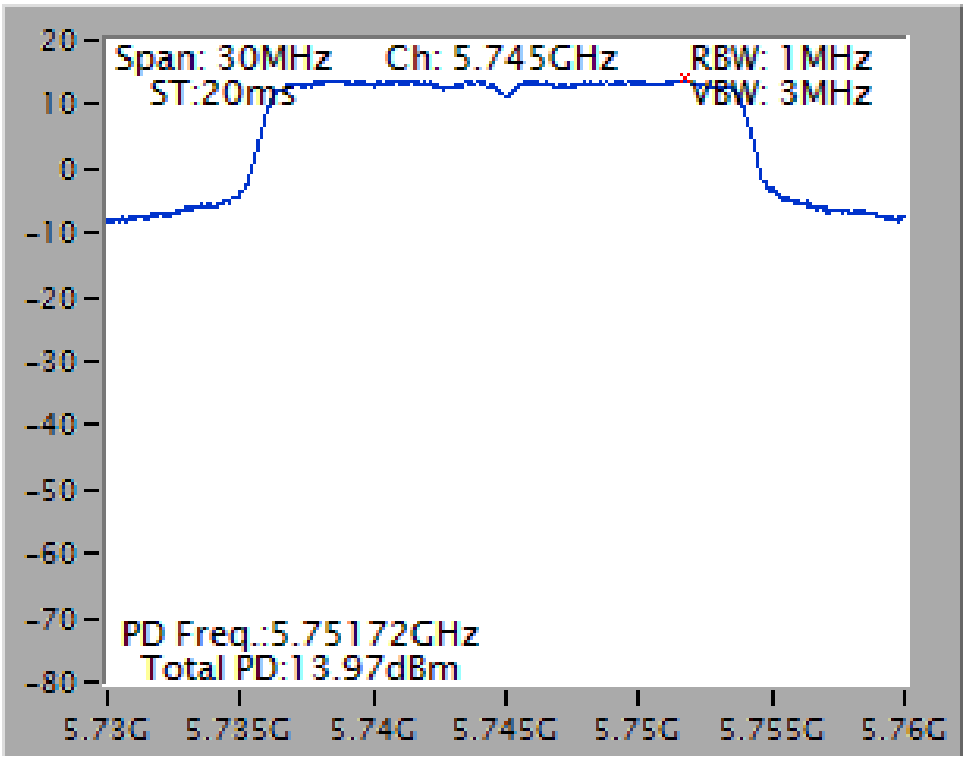

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5775 MHz**



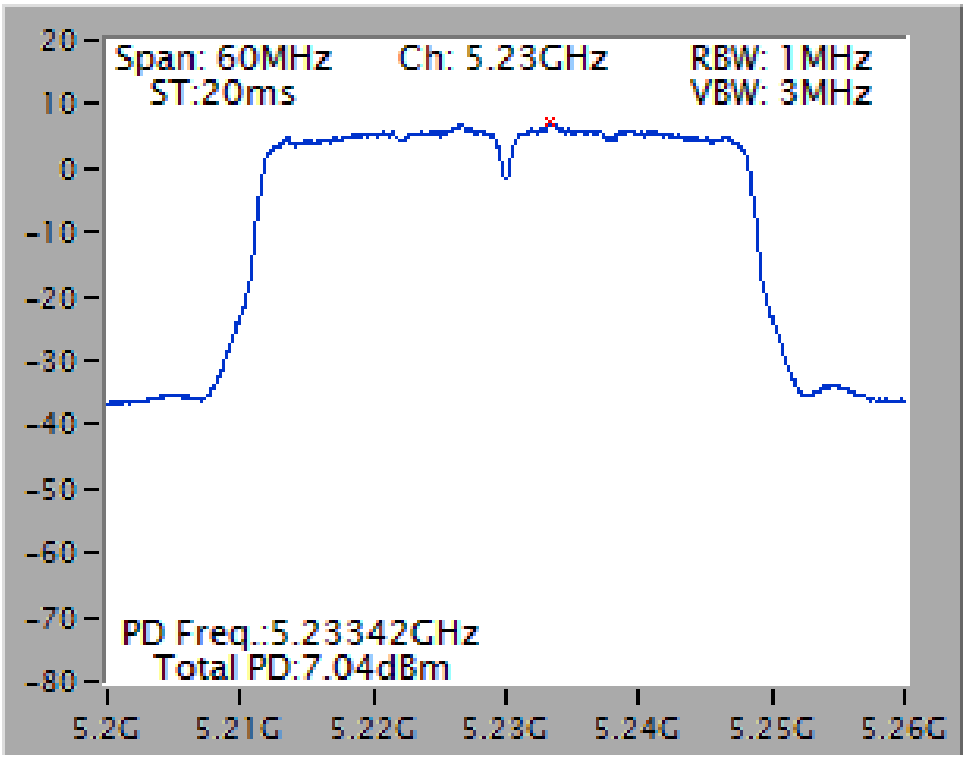
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5200 MHz**



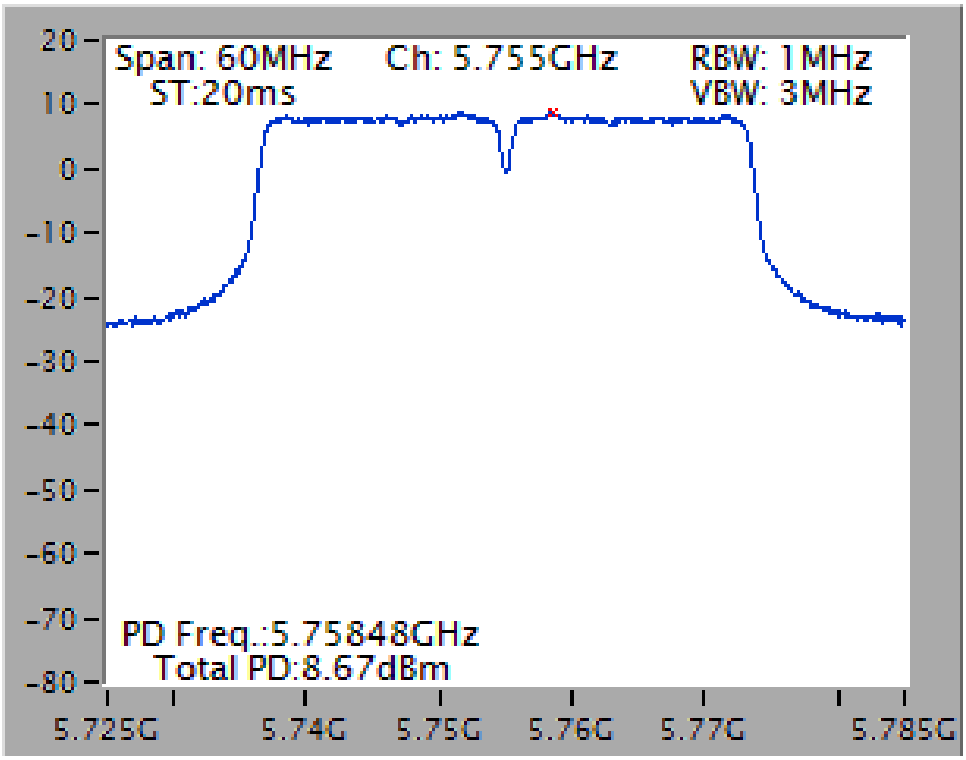

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5745 MHz**



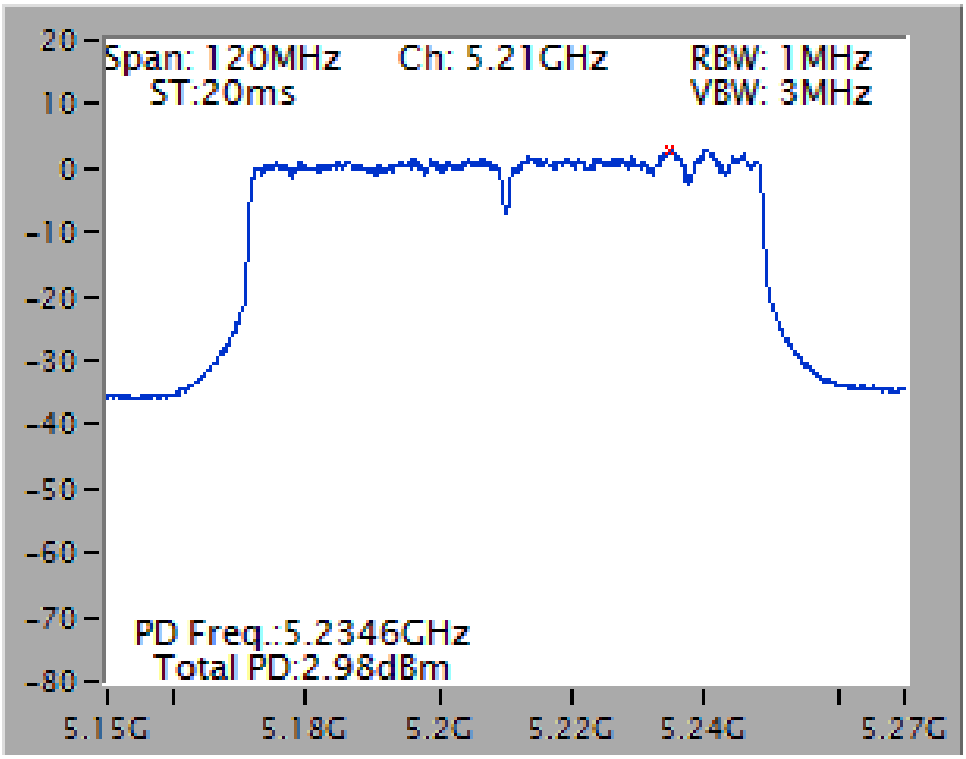
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5230 MHz**



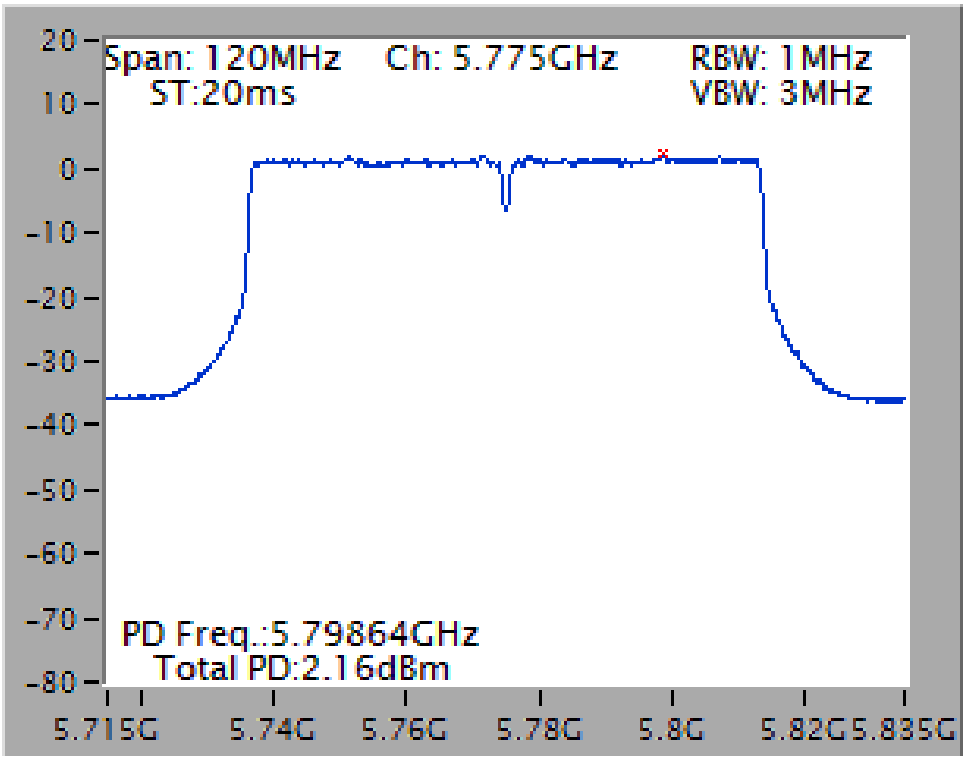

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5755 MHz**



**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5210 MHz**



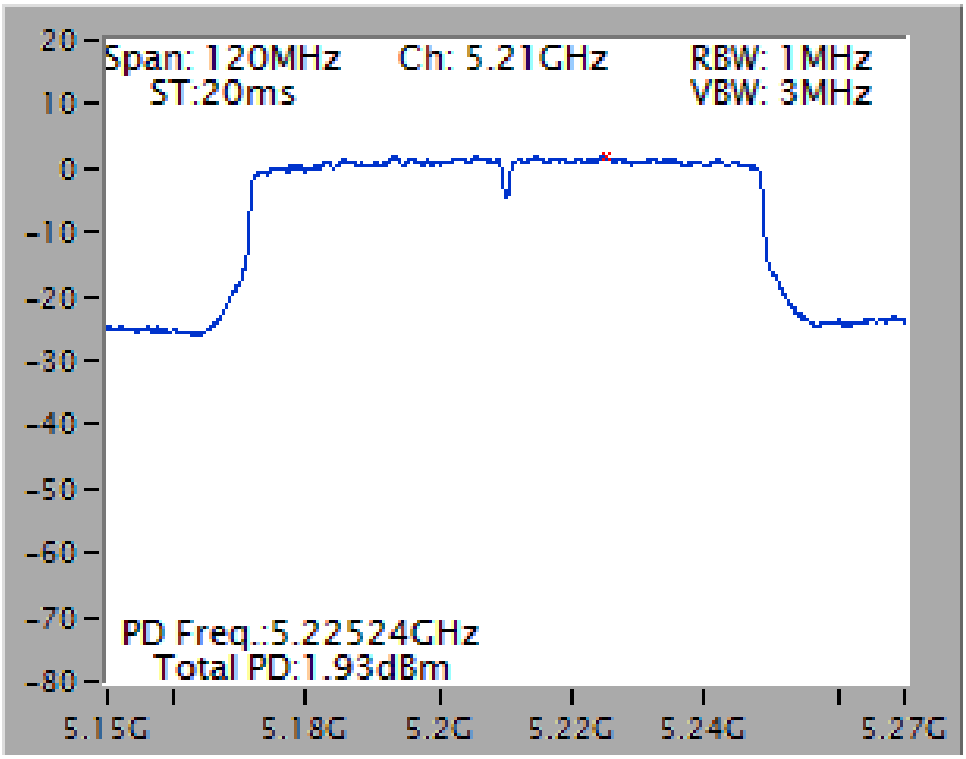

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5775 MHz**



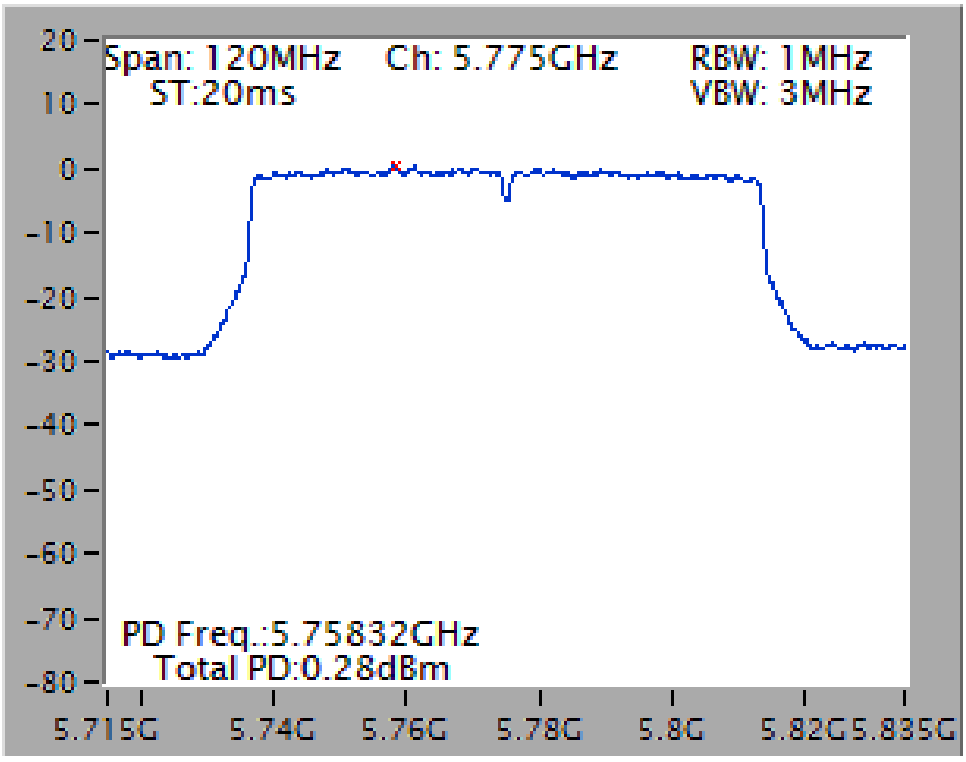
For 802.11ac MCS0/Nss2 VHT80+80 Mode

Type 1

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

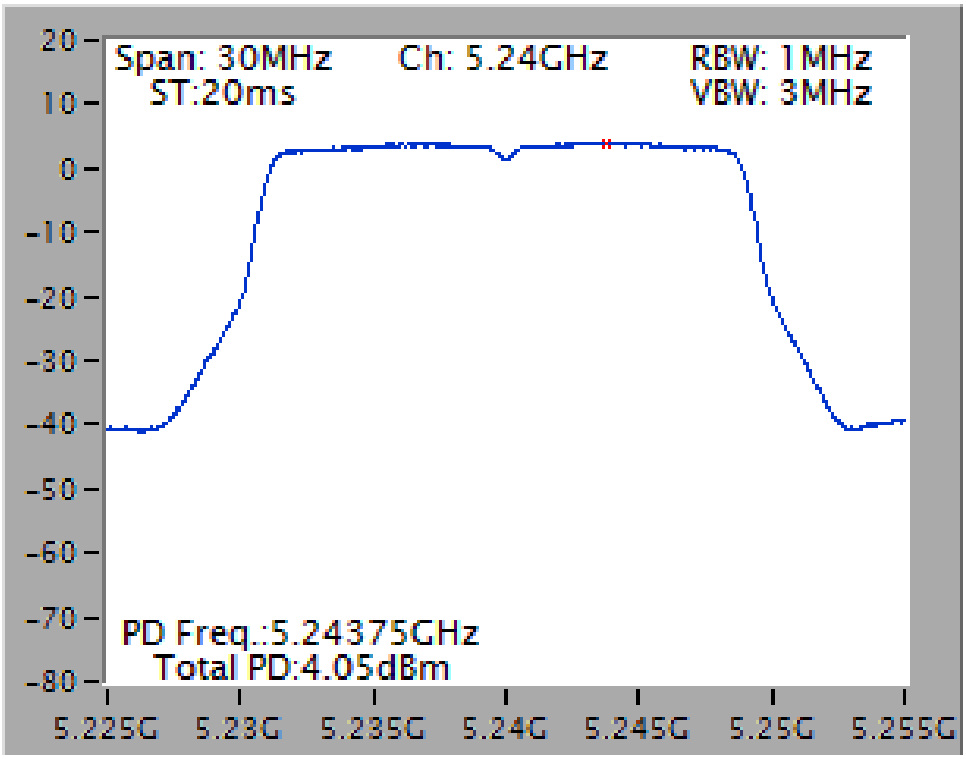



Power Density Plot on Chain 3 + Chain 4 / 5775 MHz

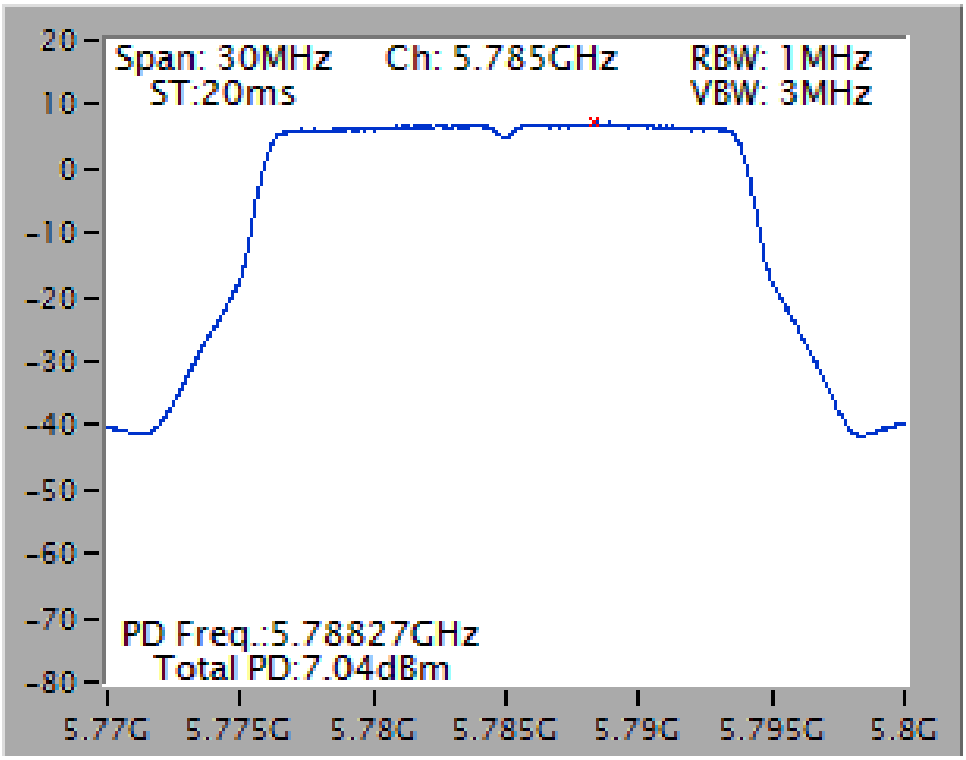


For Mode 3:

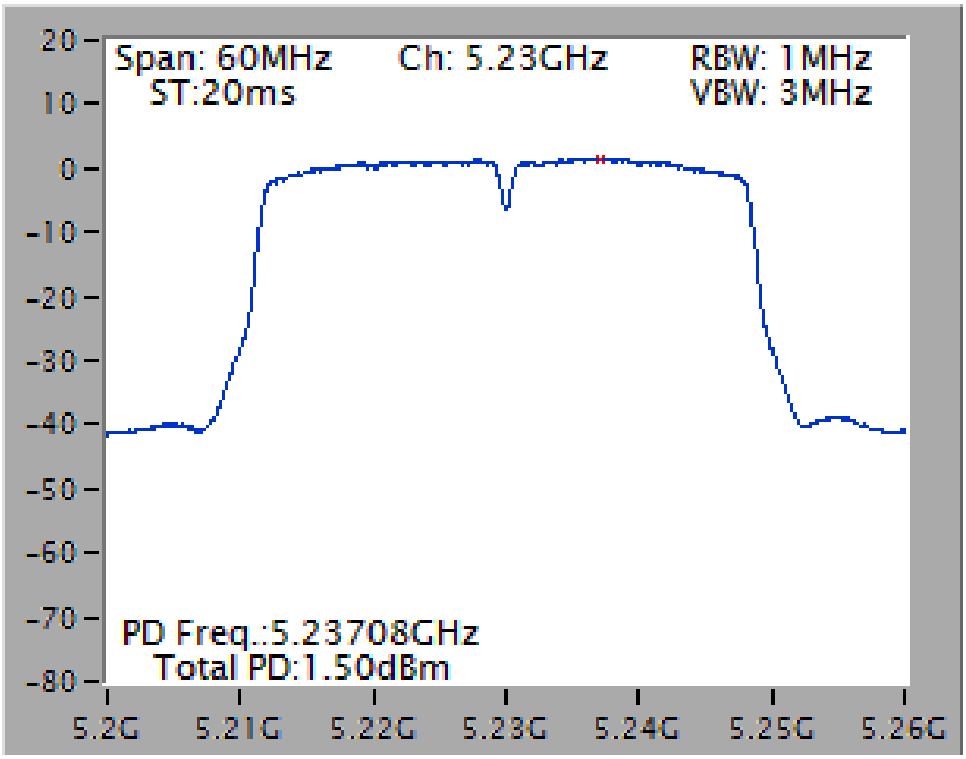
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5240 MHz



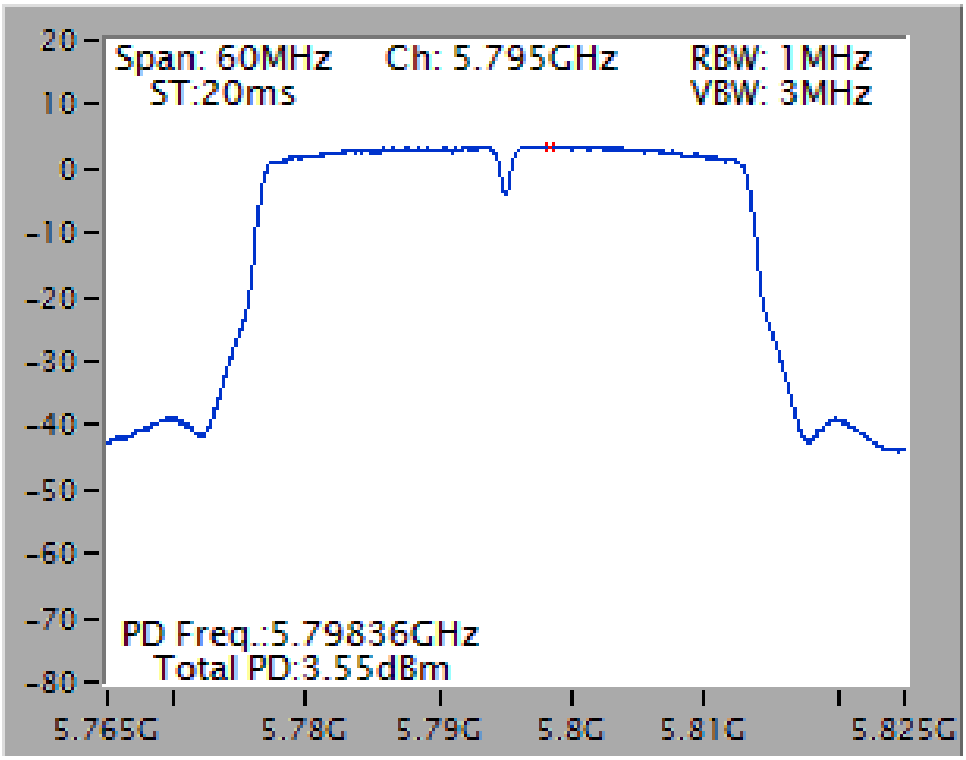

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz



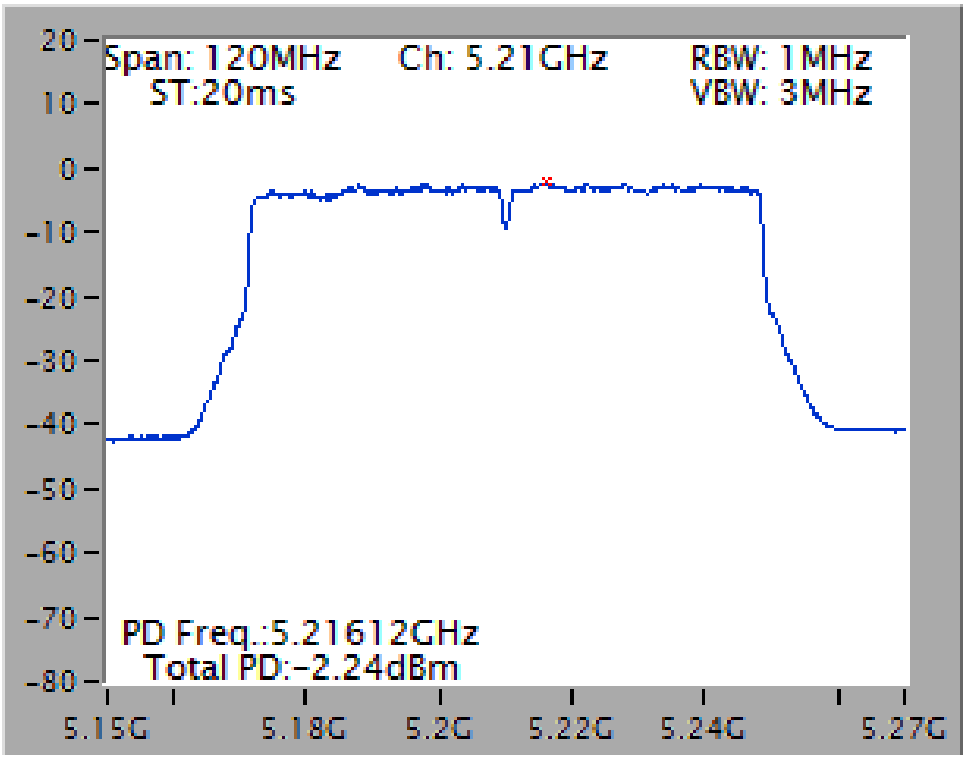
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5230 MHz**



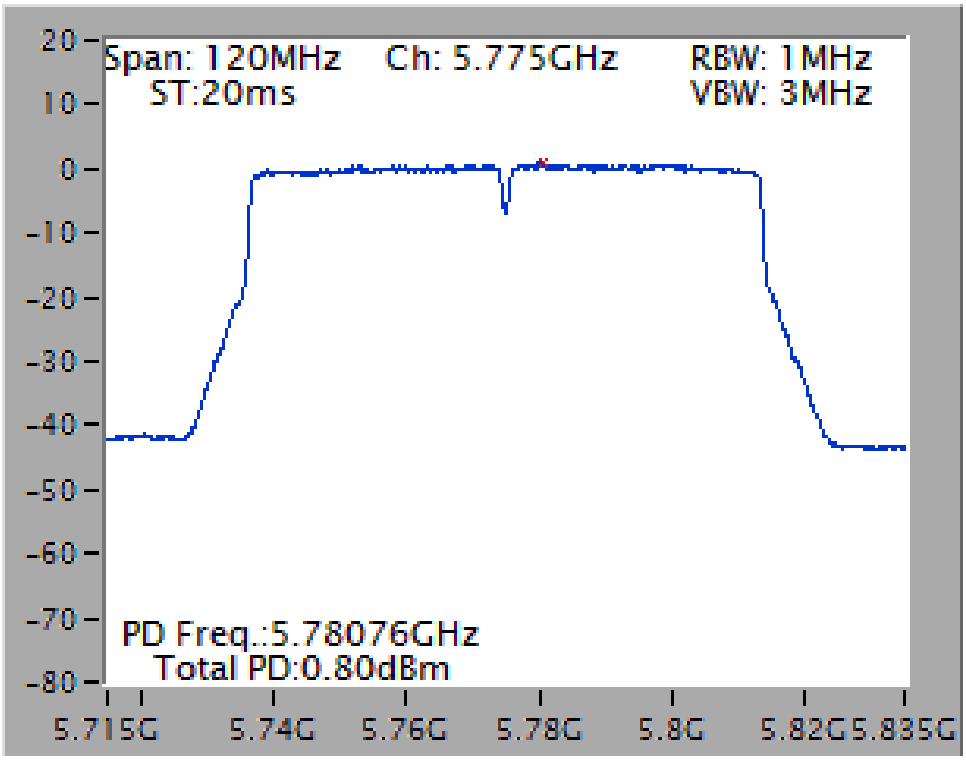

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5795 MHz**



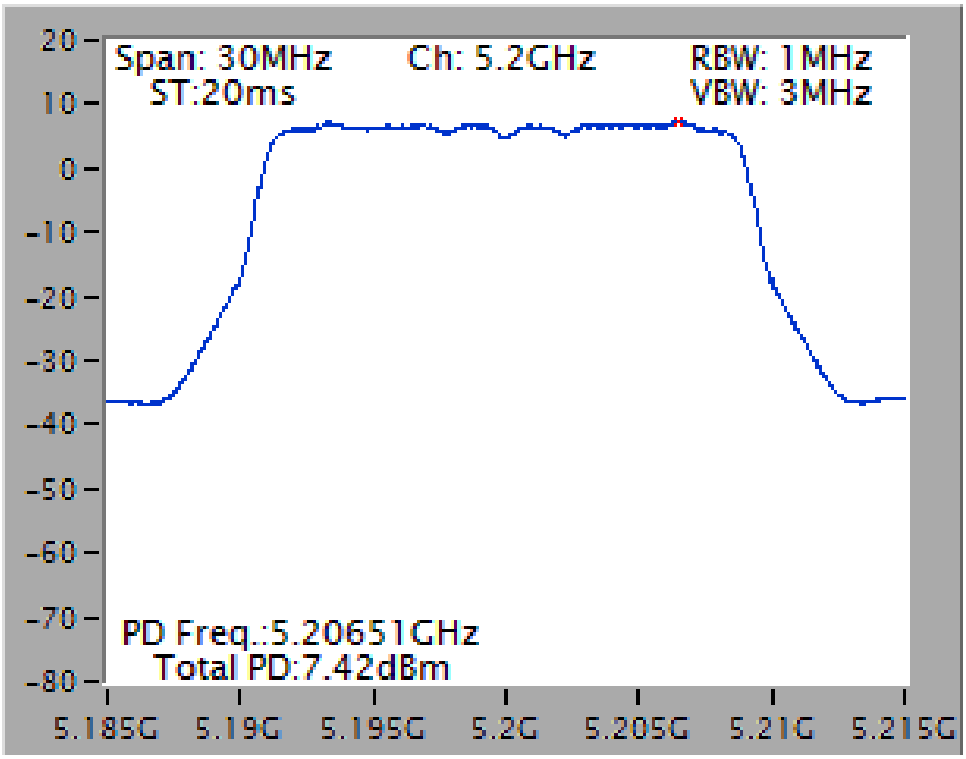
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5210 MHz**



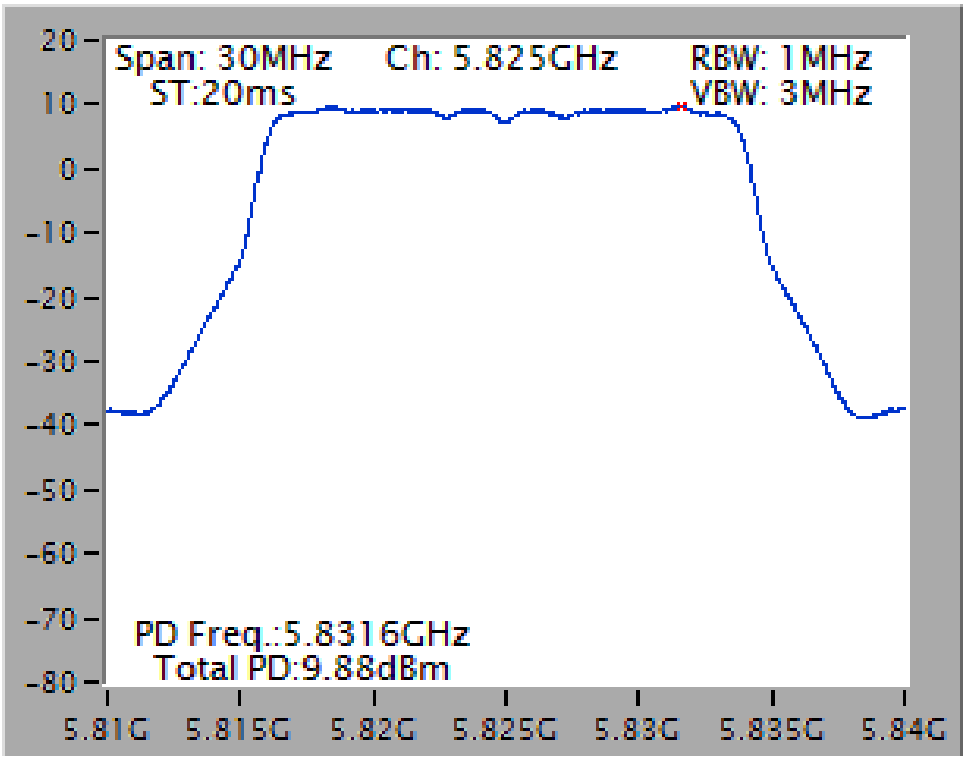

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5775 MHz**



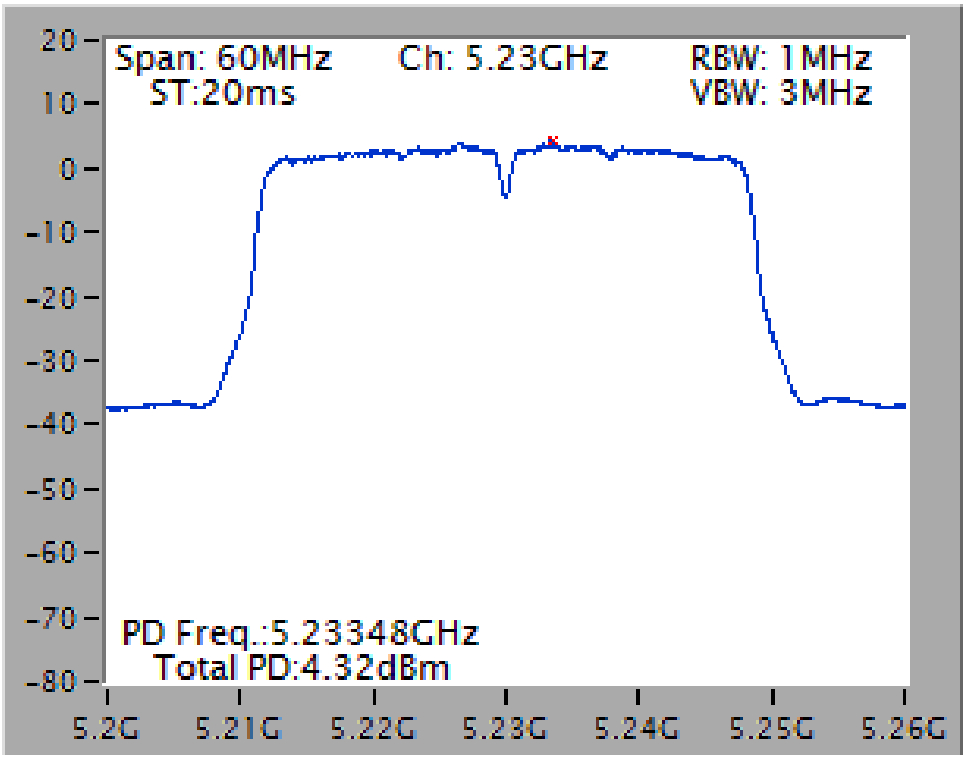
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5200 MHz**



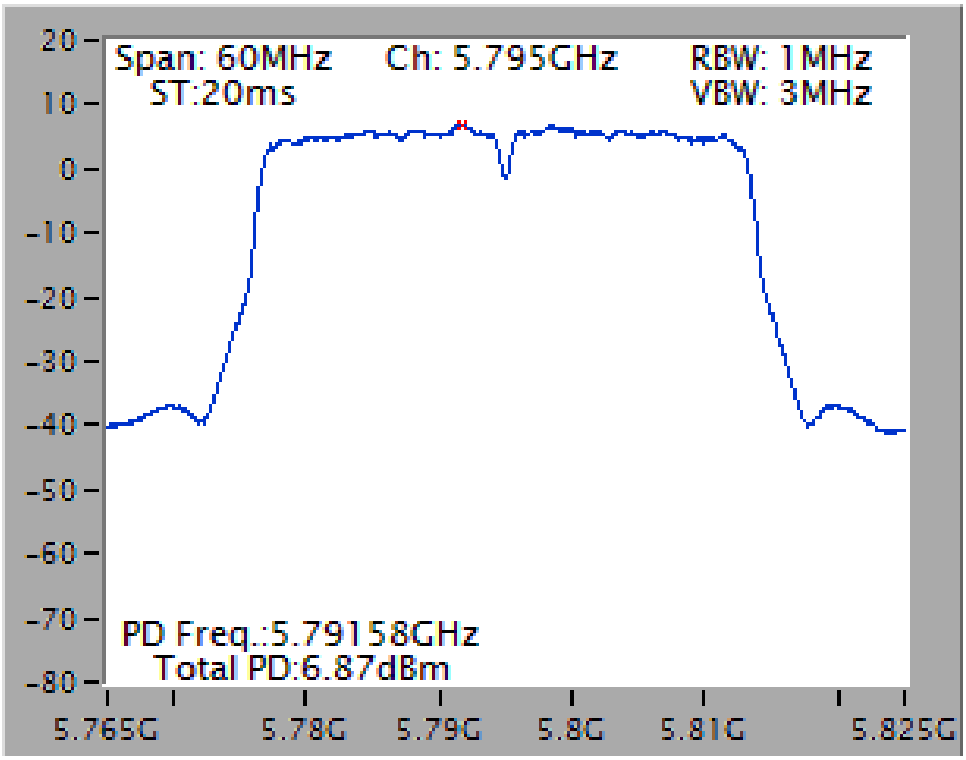

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5825 MHz**



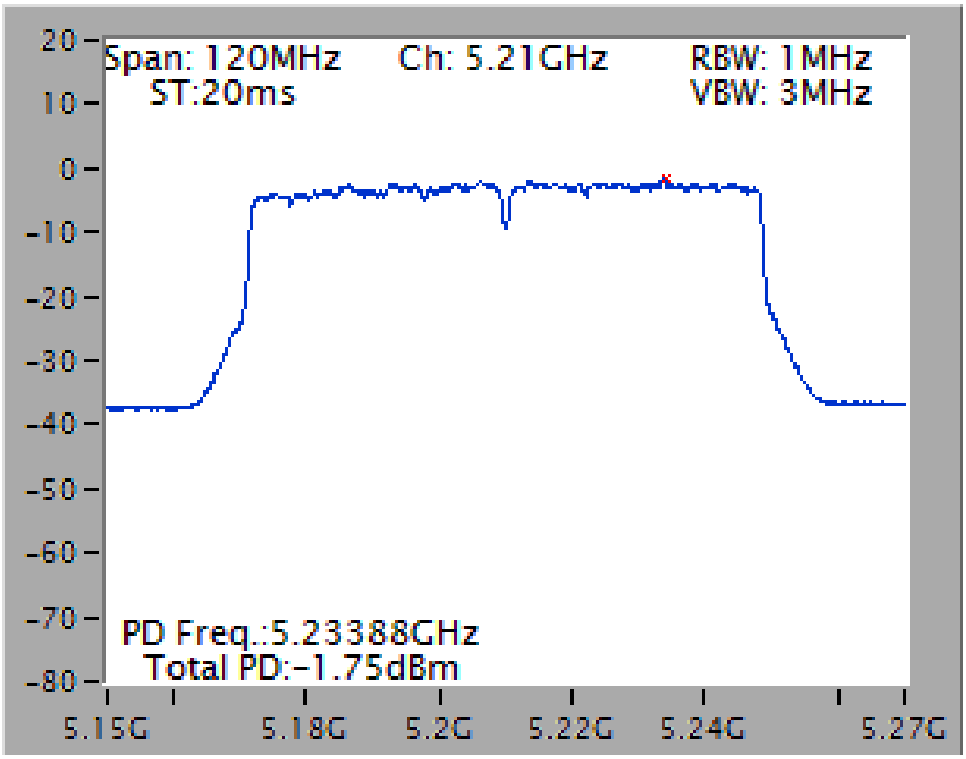
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5230 MHz**



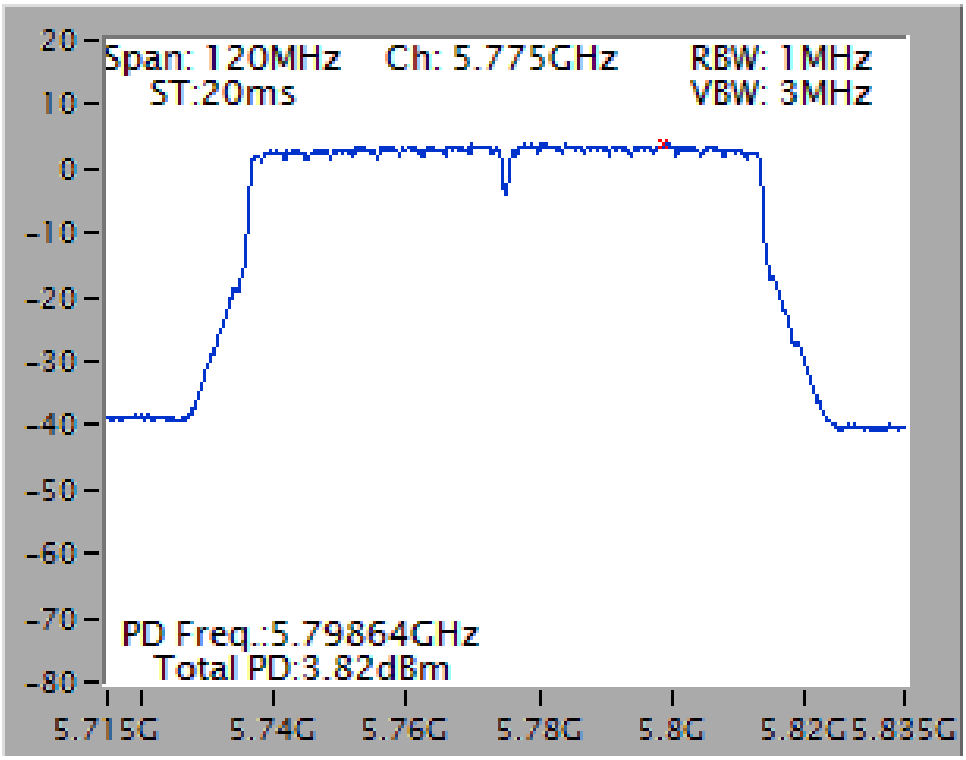

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5795 MHz**



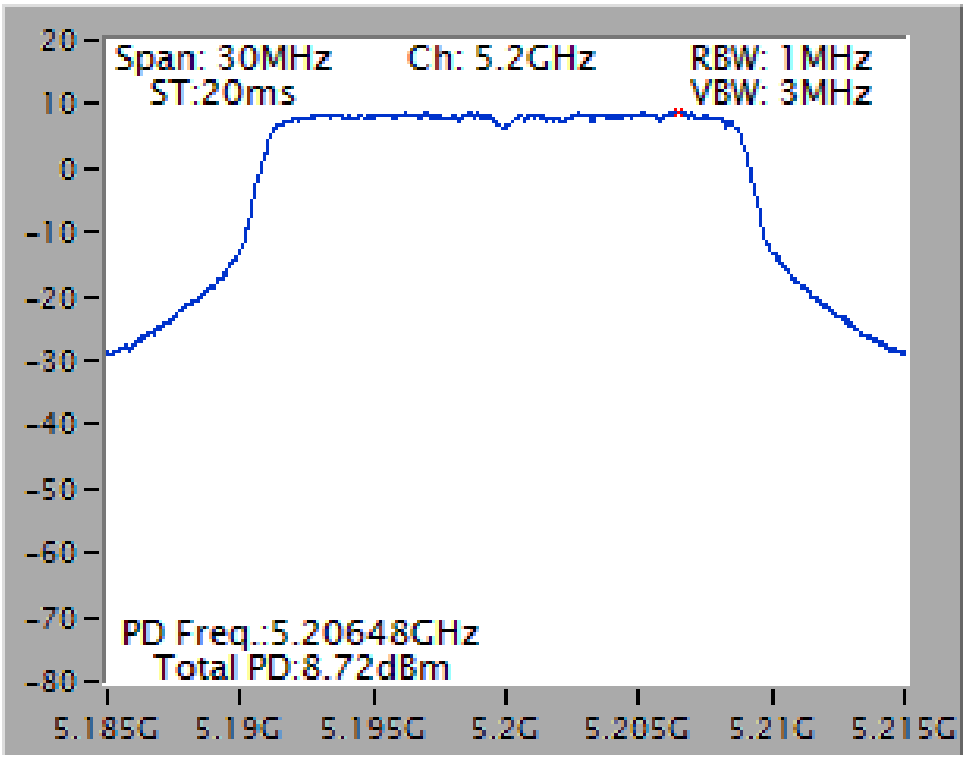
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5210 MHz**



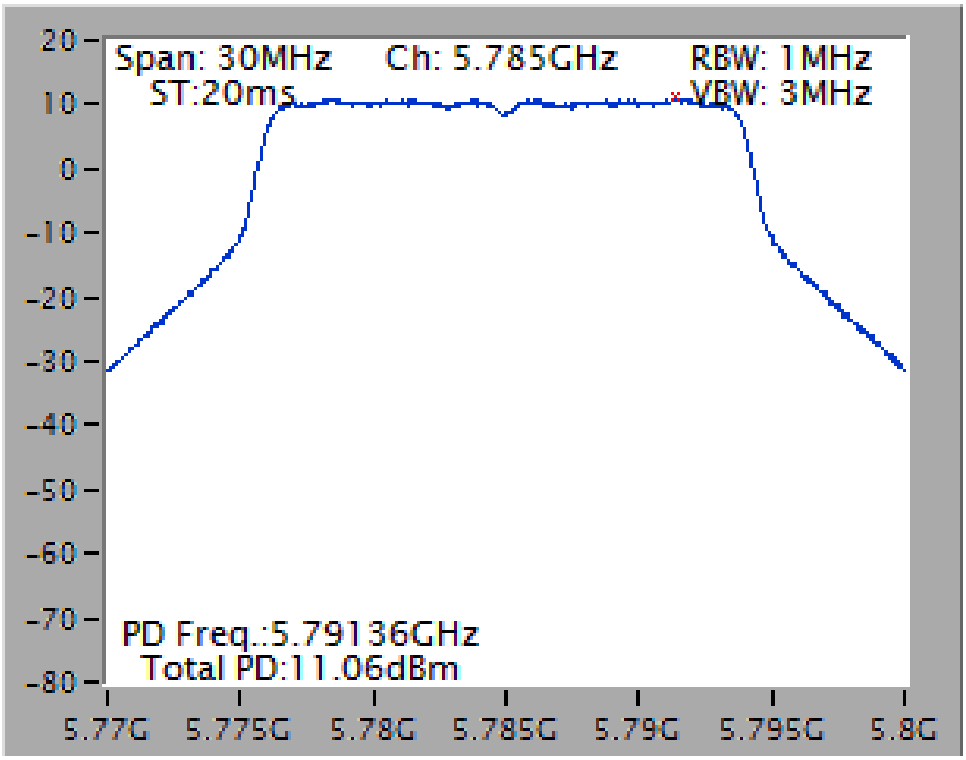

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5775 MHz**



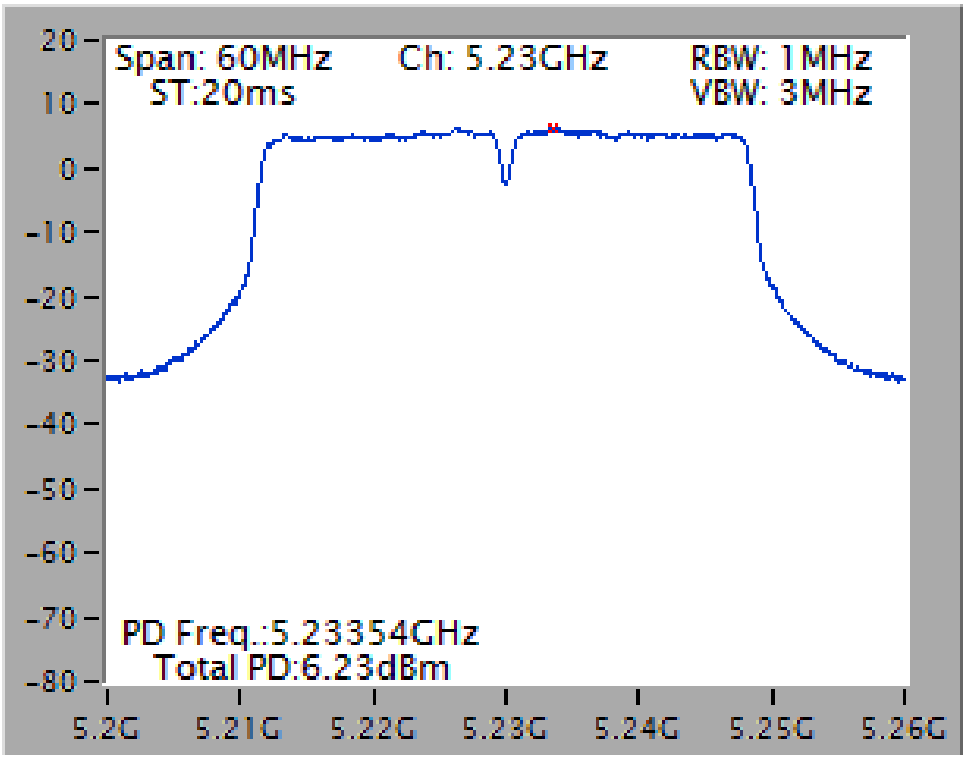
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5180 MHz**



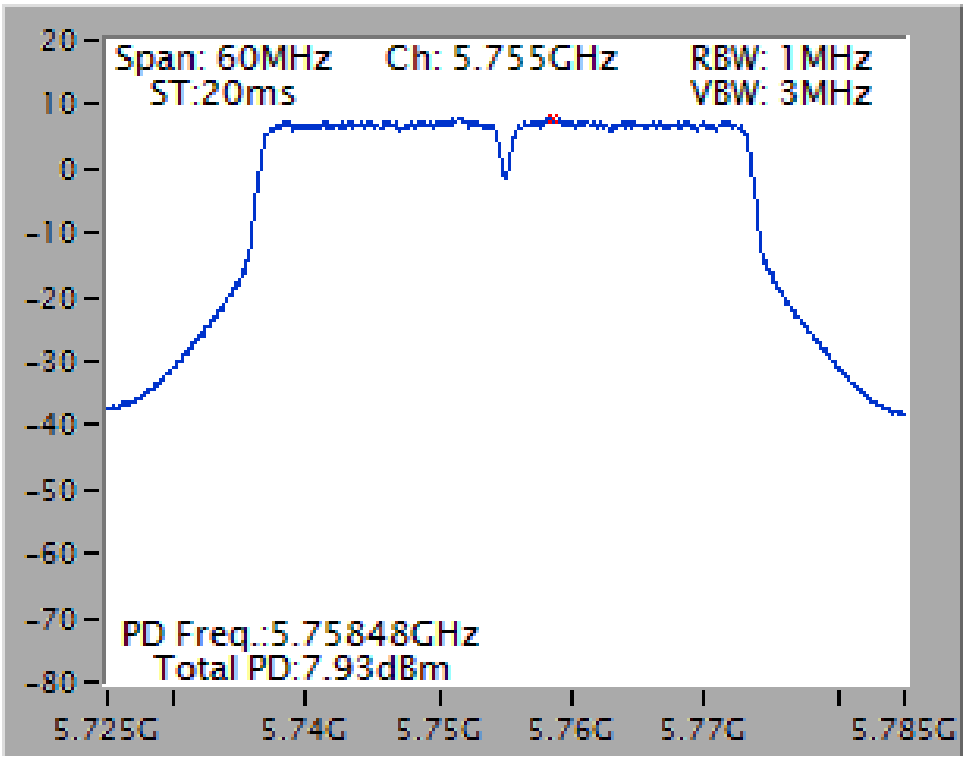

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5745 MHz**



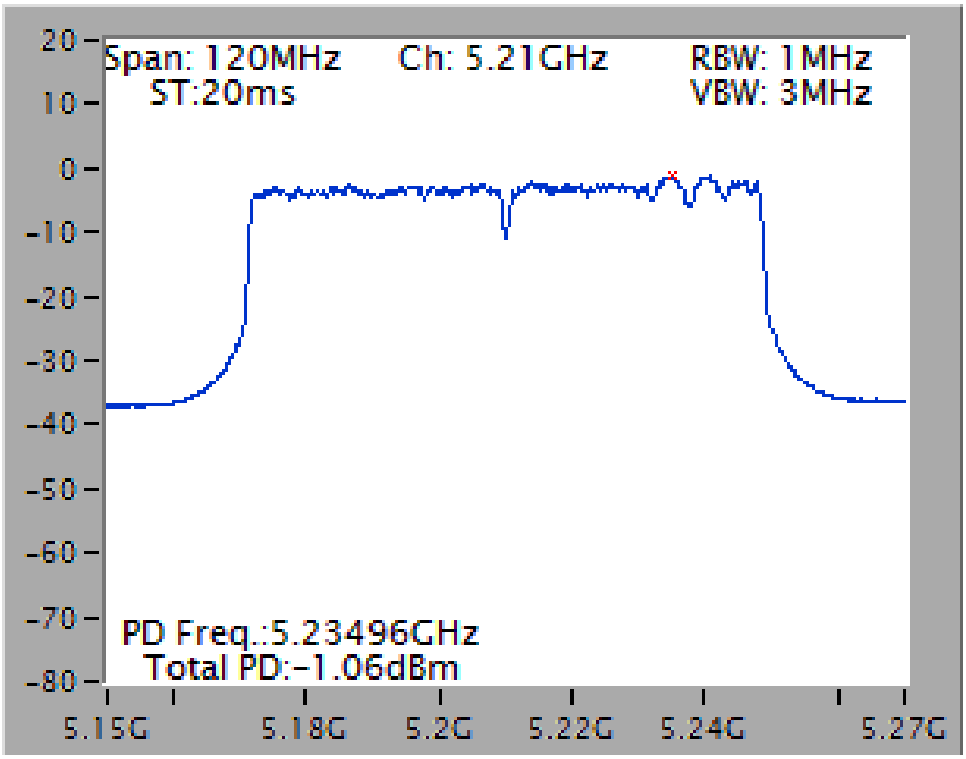
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5230 MHz**



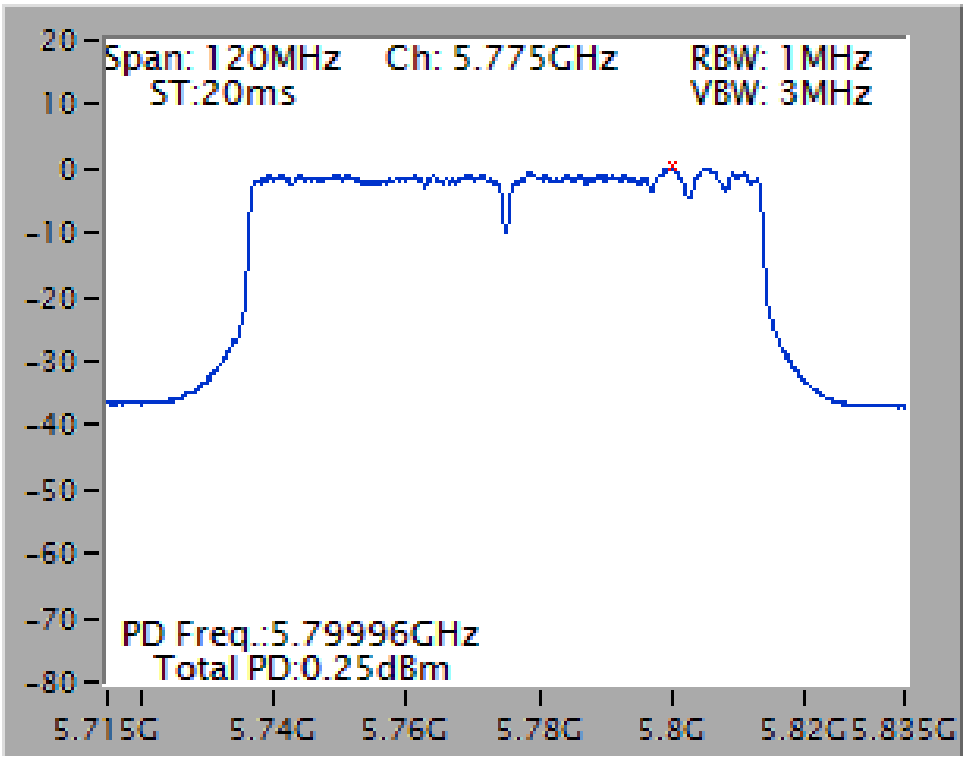

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5755 MHz**



**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5210 MHz**



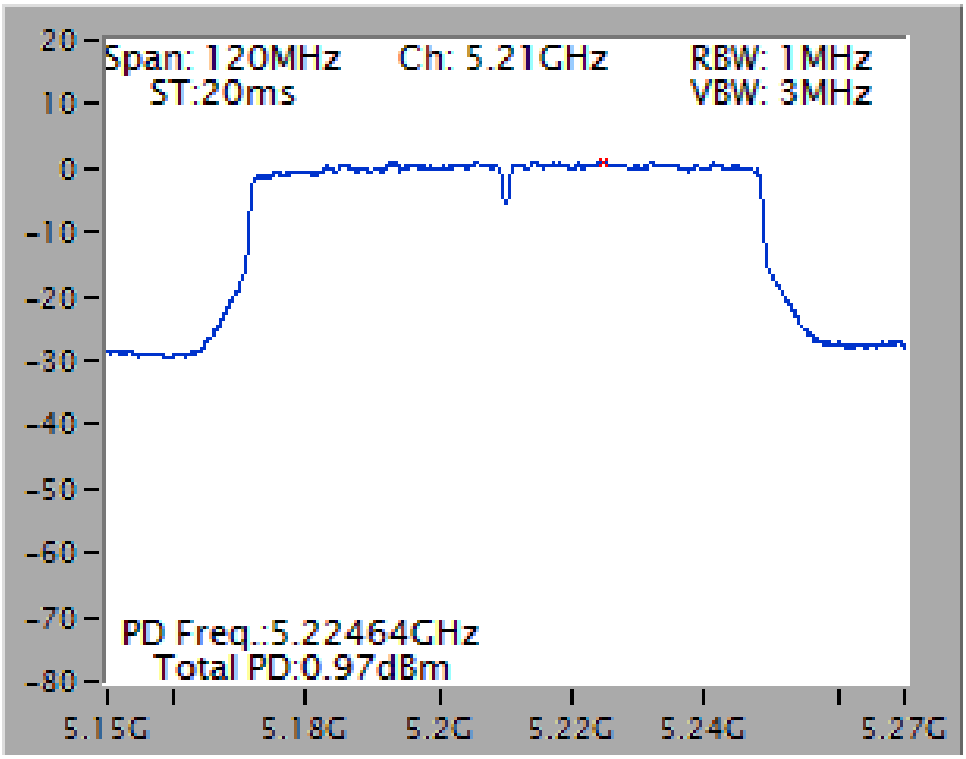

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5775 MHz**



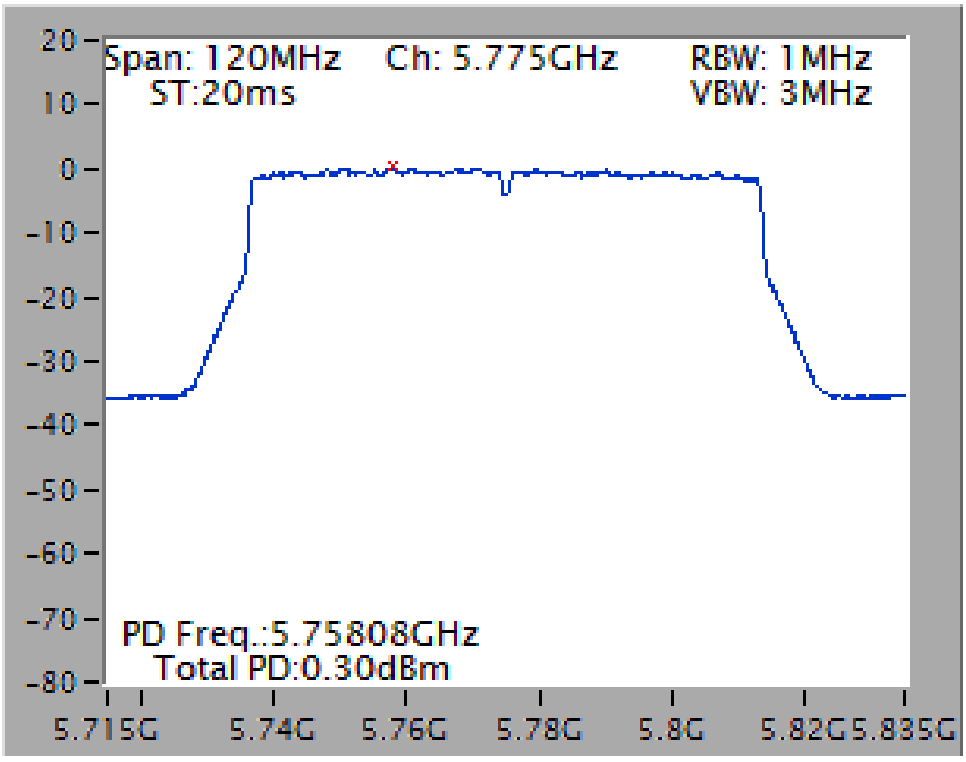
For 802.11ac MCS0/Nss2 VHT80+80 Mode

Type 1

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

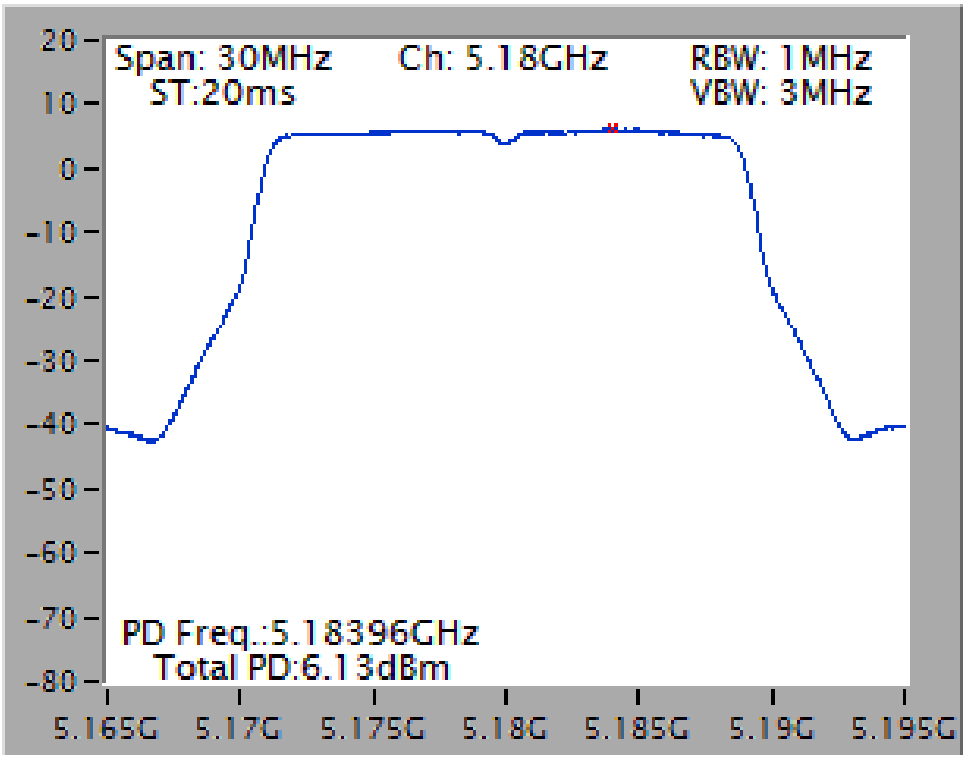



Power Density Plot on Chain 3 + Chain 4 / 5775 MHz

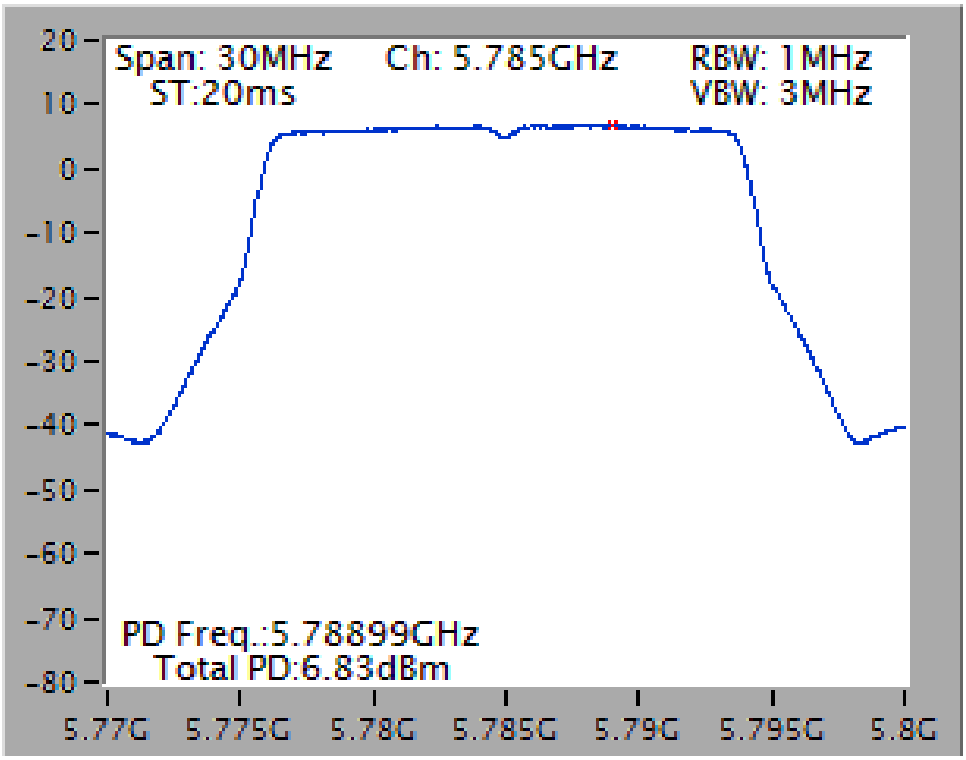


For Mode 4:

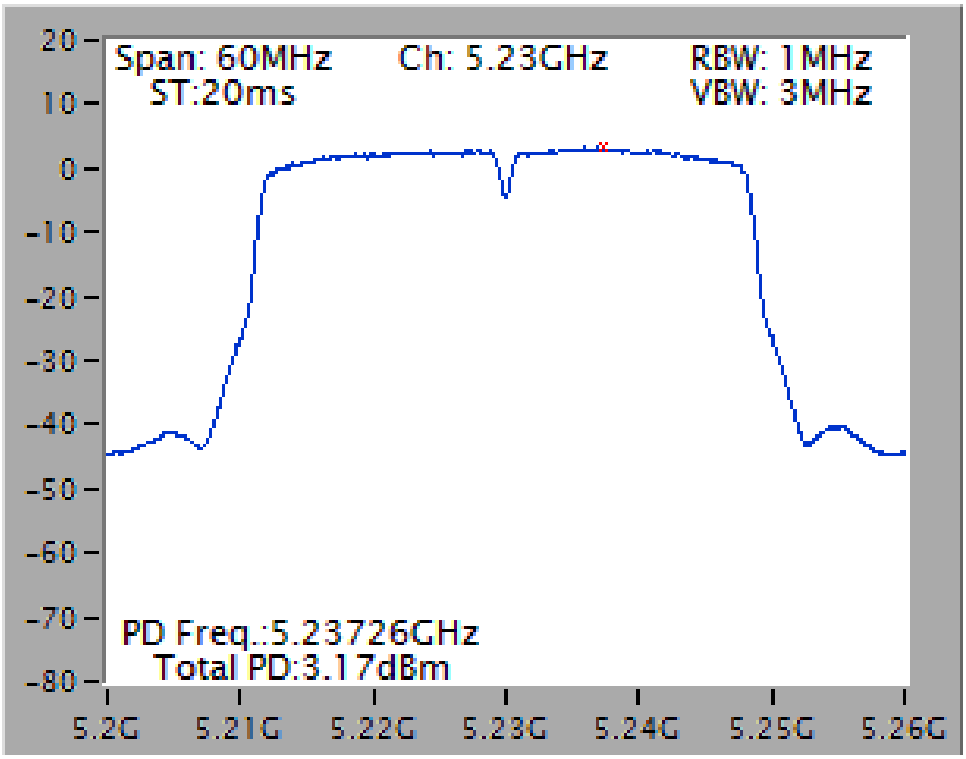
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5180 MHz



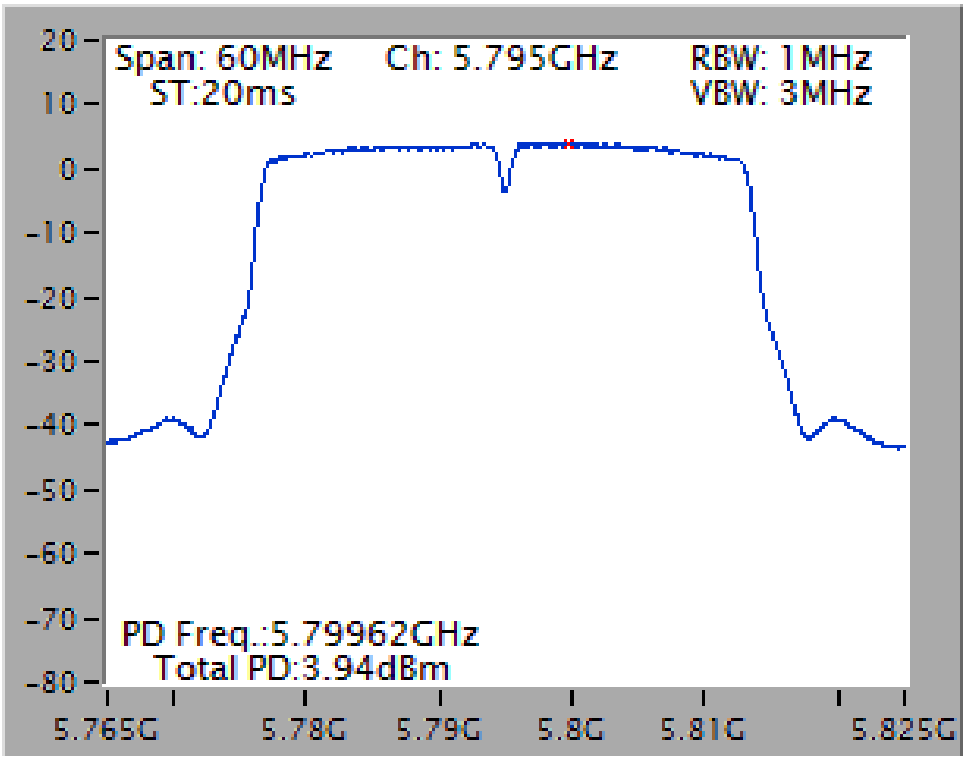

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz



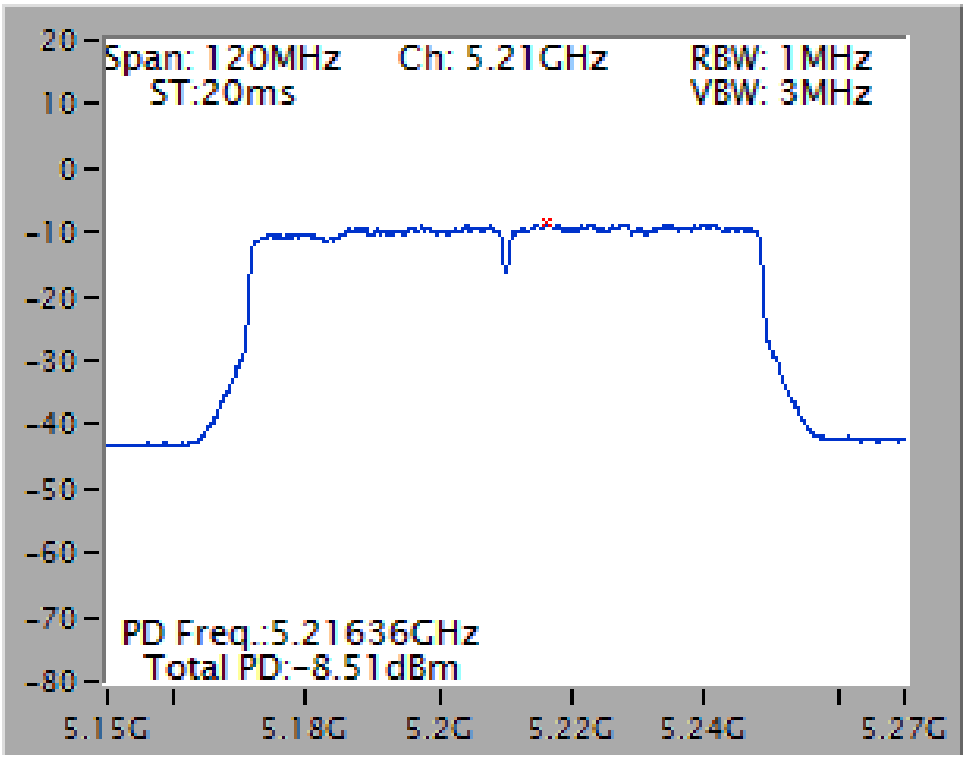
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5190 MHz**



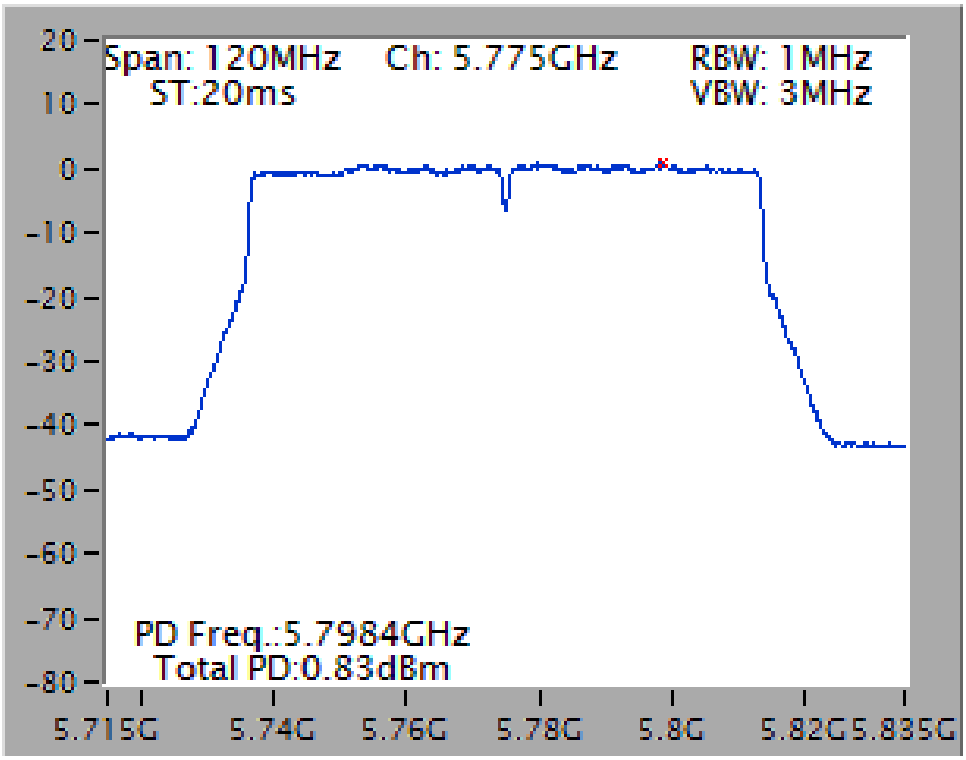

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5795 MHz**



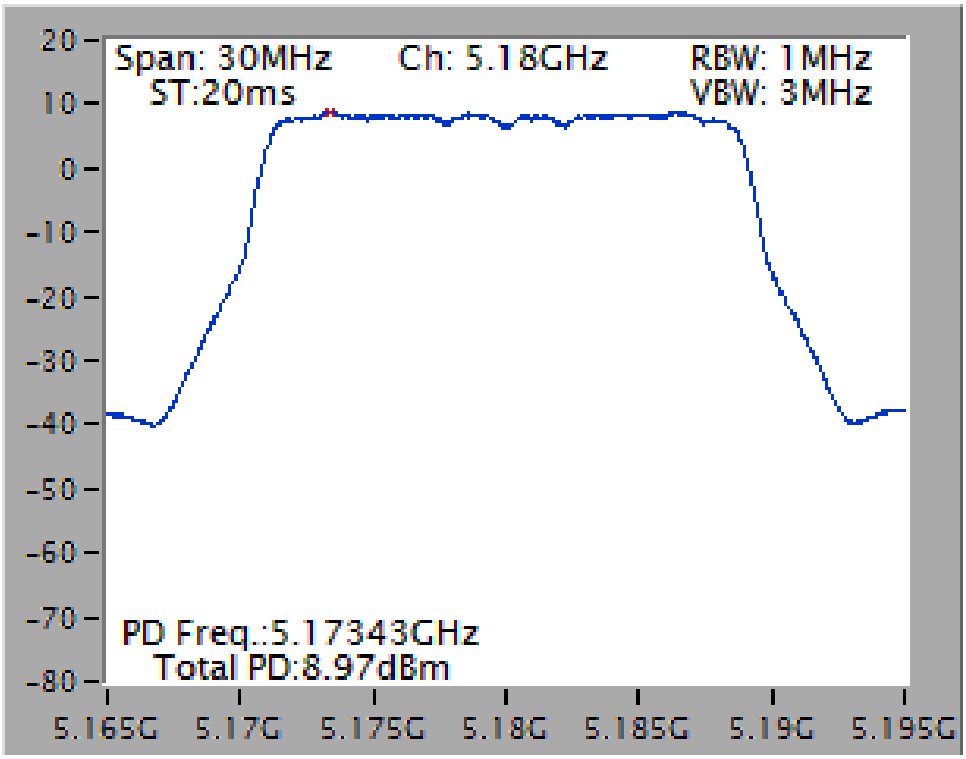
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5210 MHz**



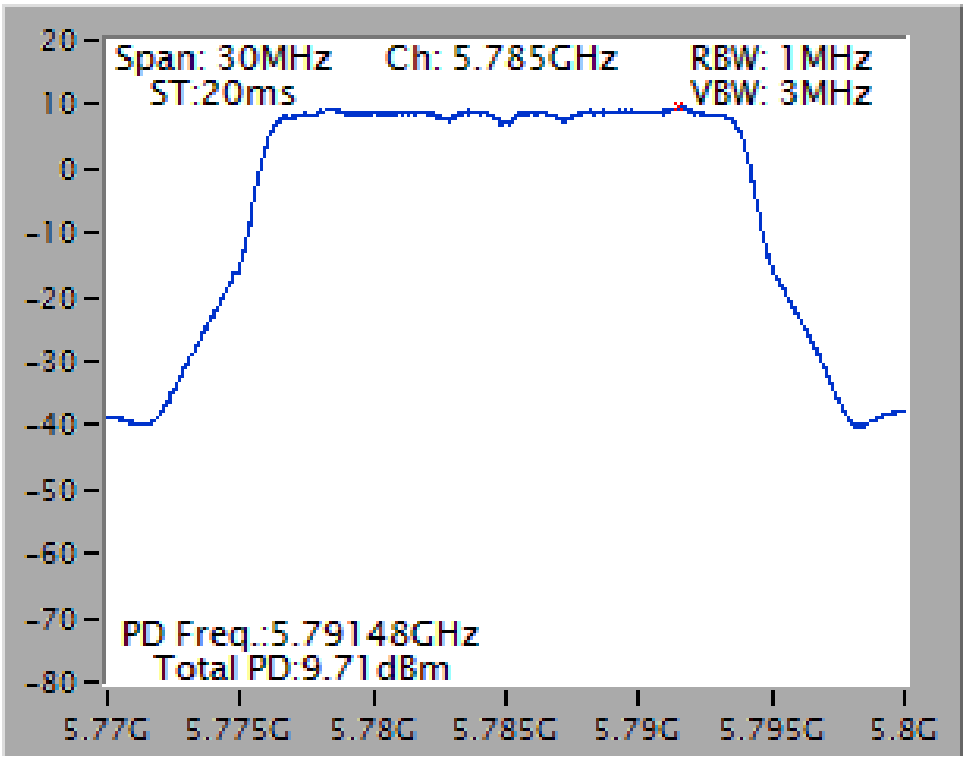

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5775 MHz**



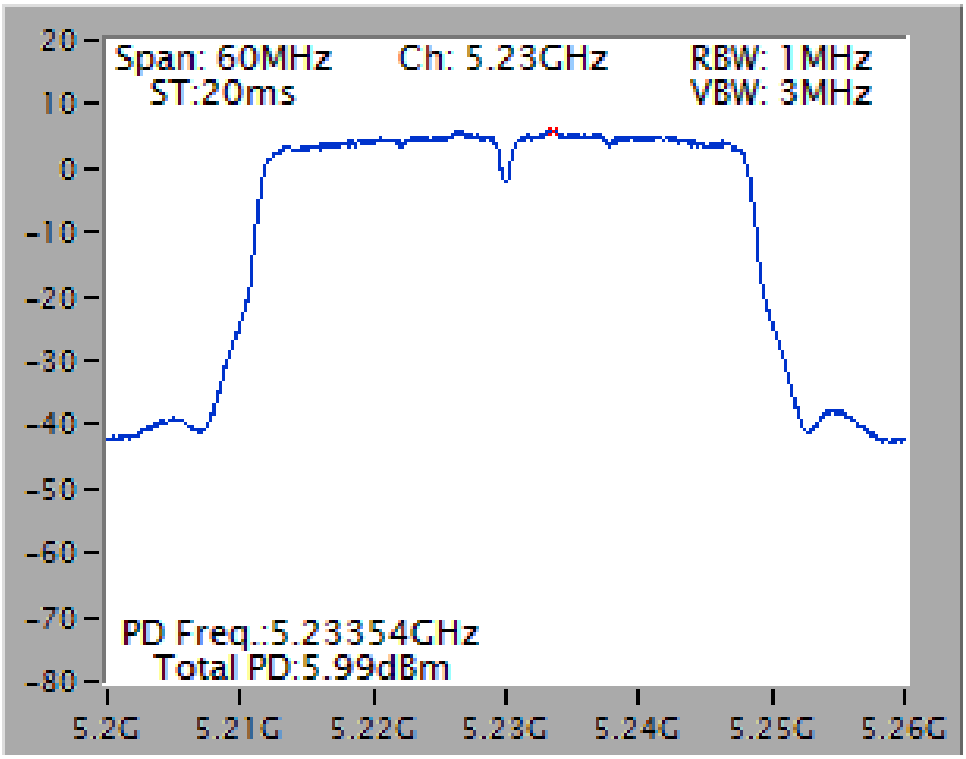
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5180 MHz**



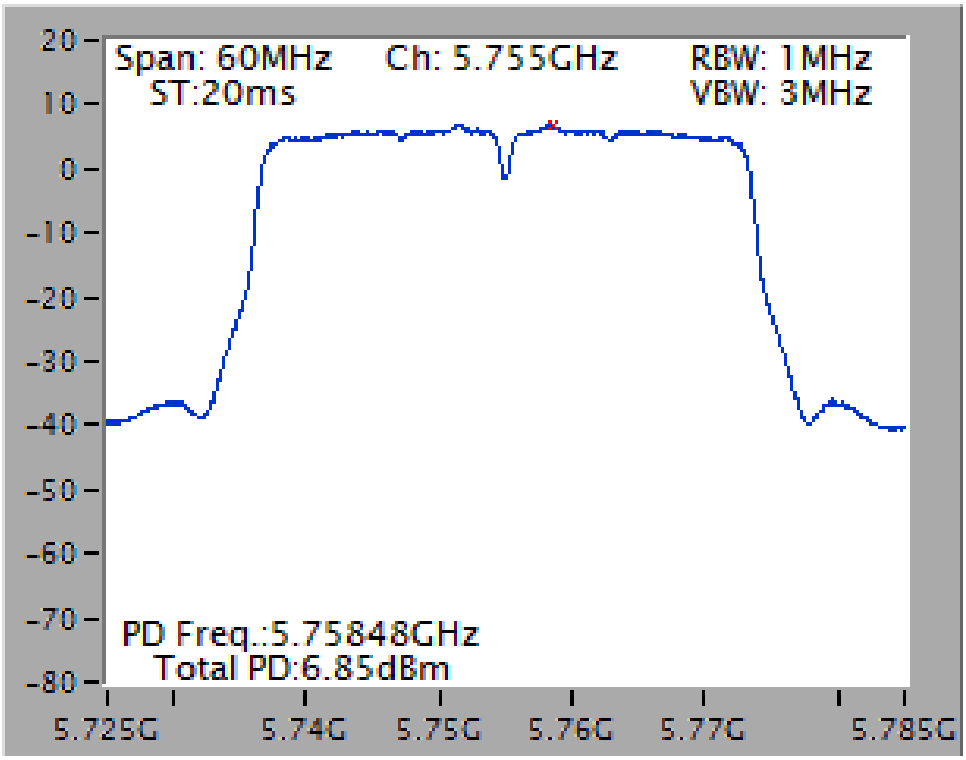

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5785 MHz**



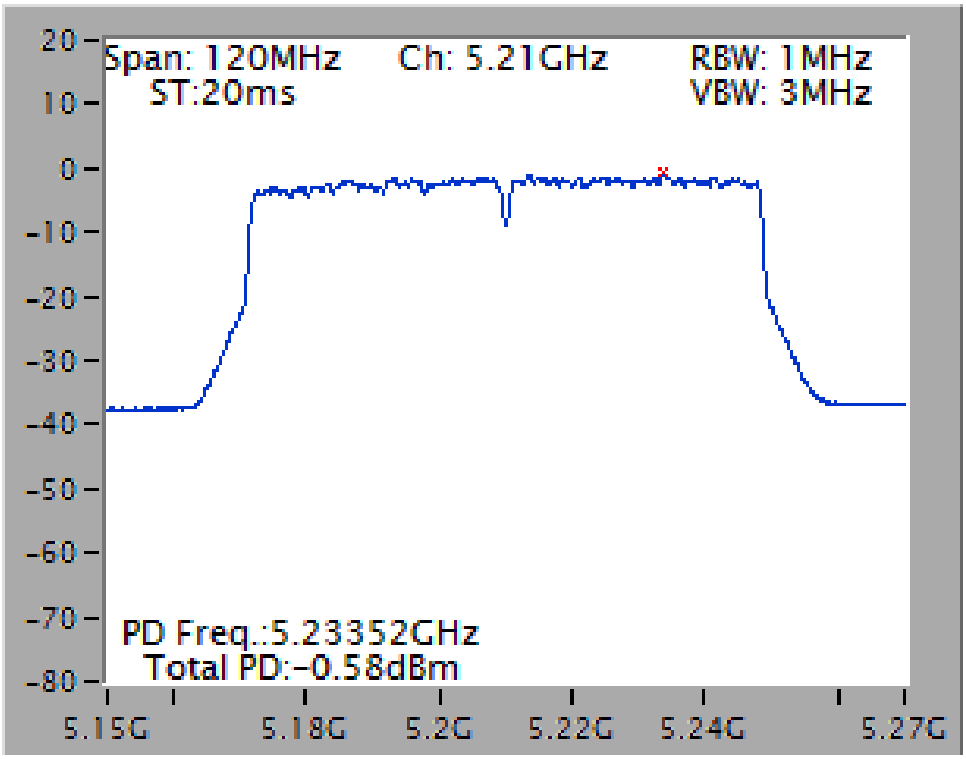
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5230 MHz**



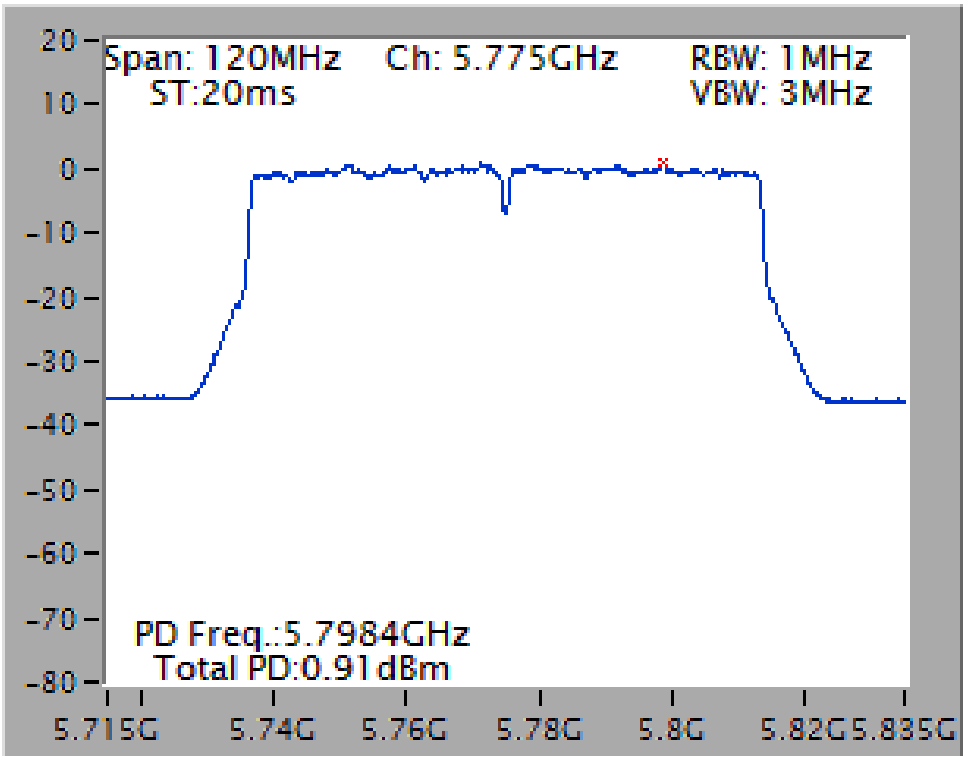

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5755 MHz**



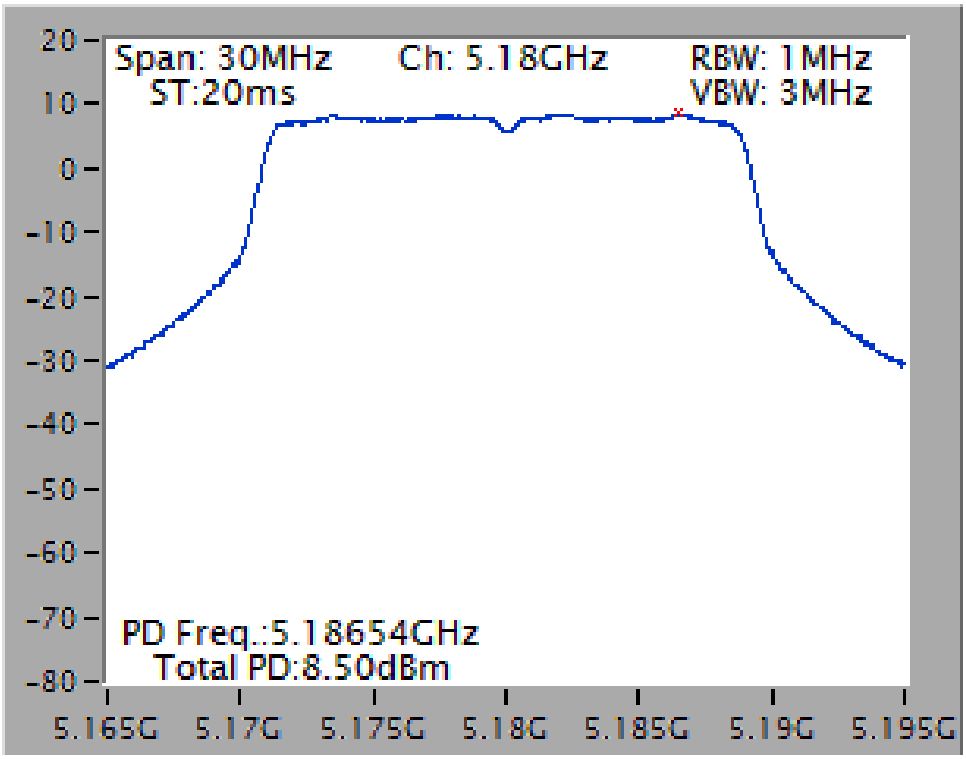
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5210 MHz**



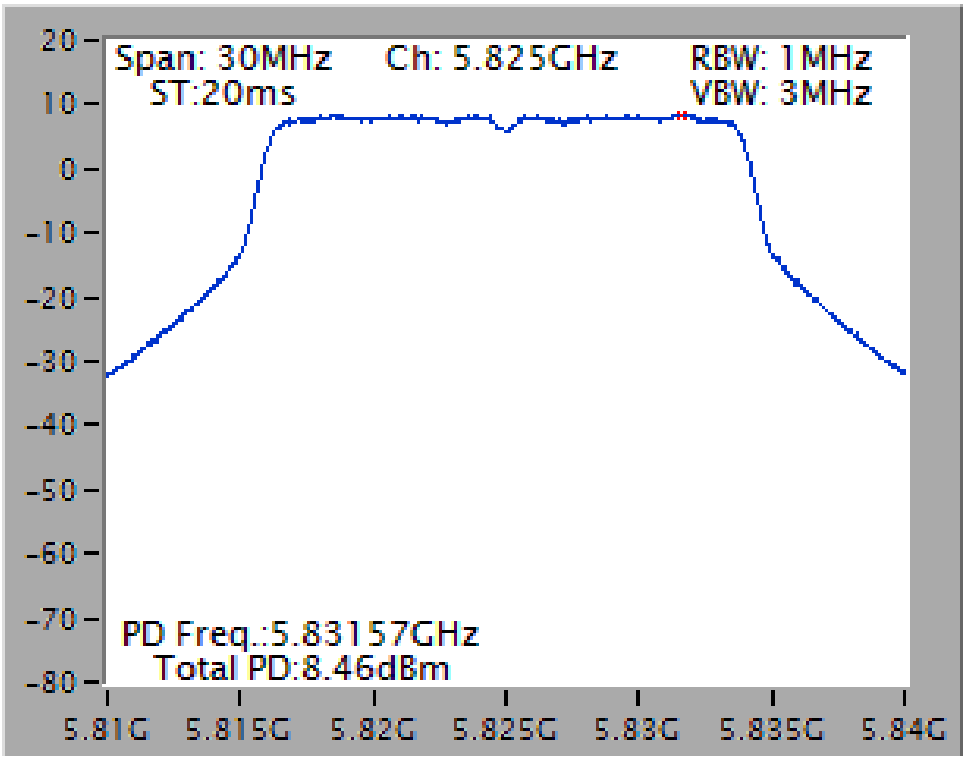

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5775 MHz**



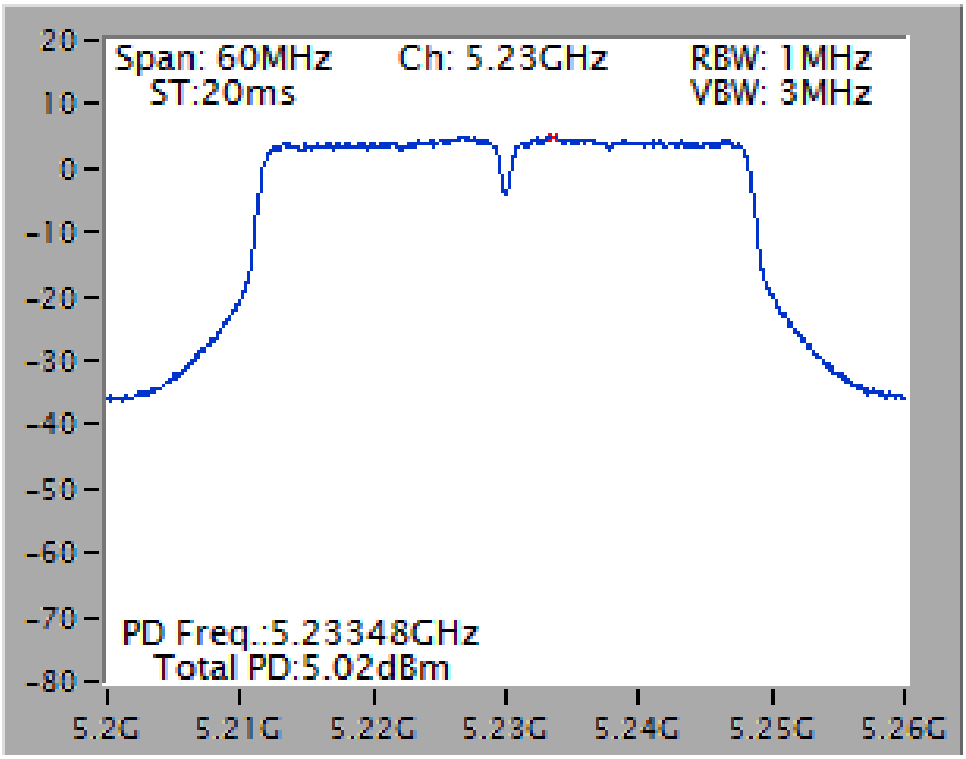
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5180 MHz**



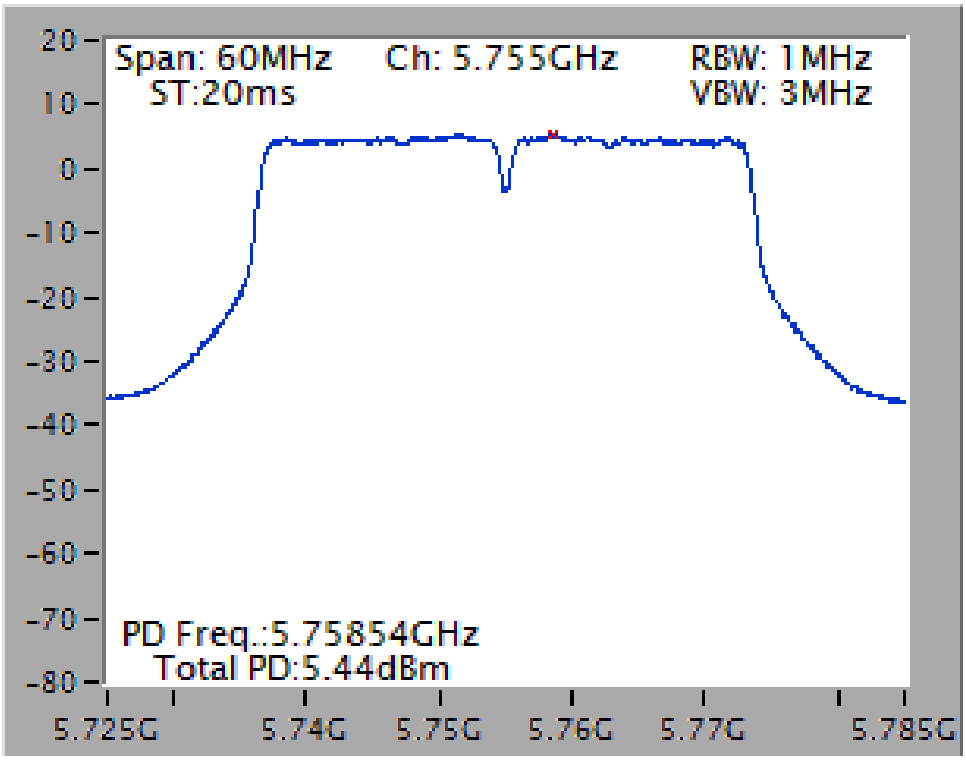

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5825 MHz**



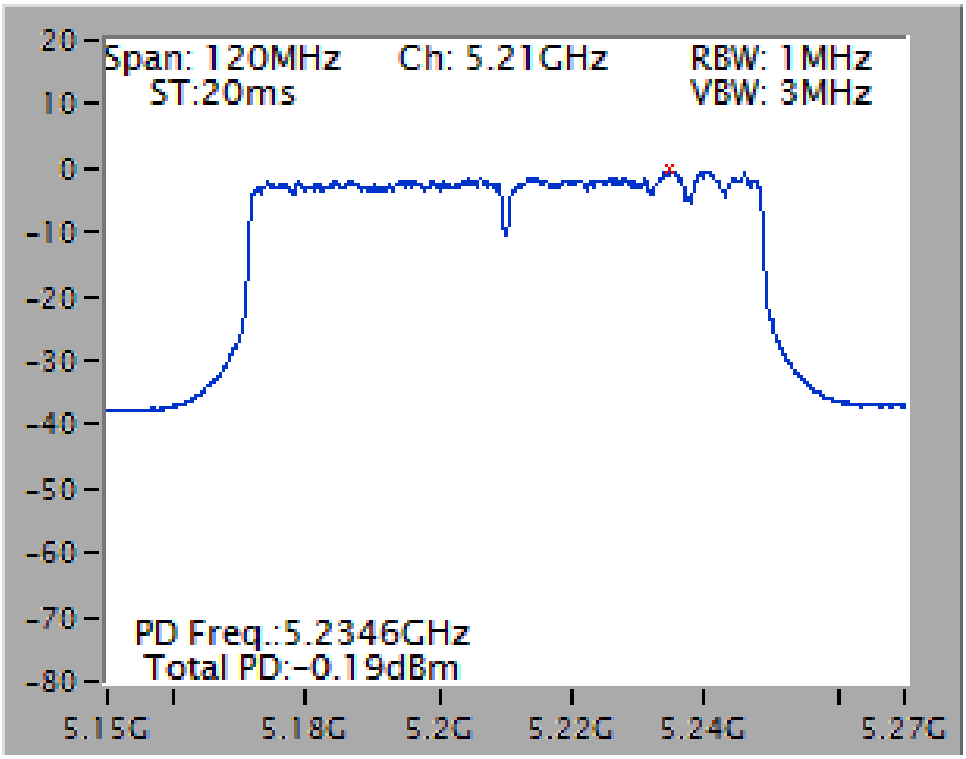
**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5230 MHz**



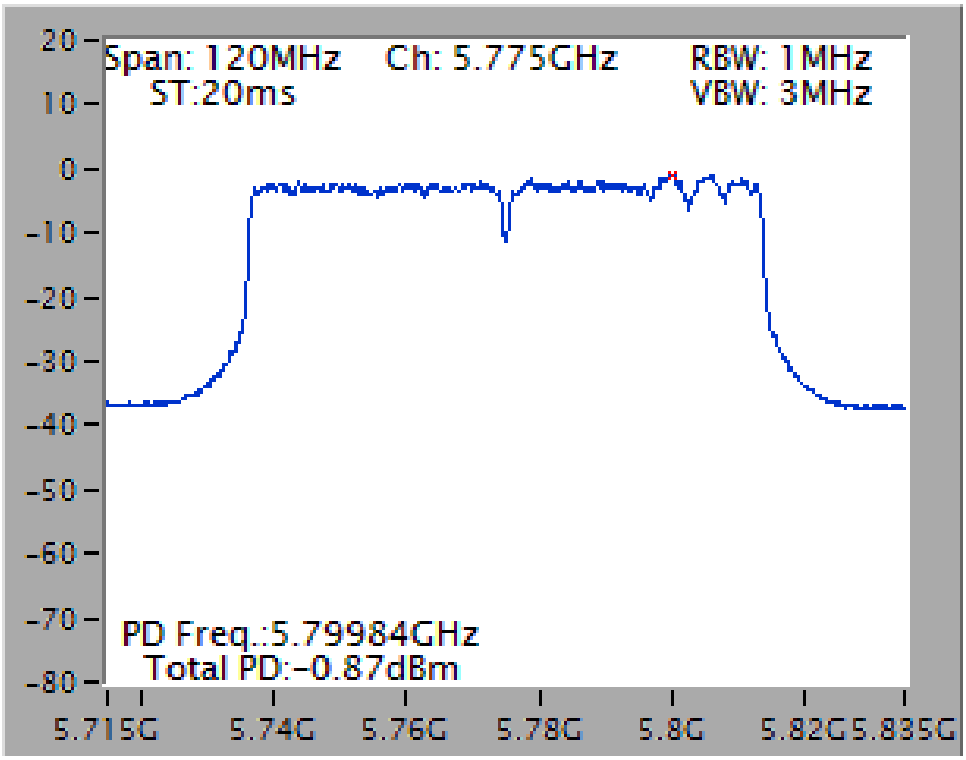

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5755 MHz**



**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5210 MHz**



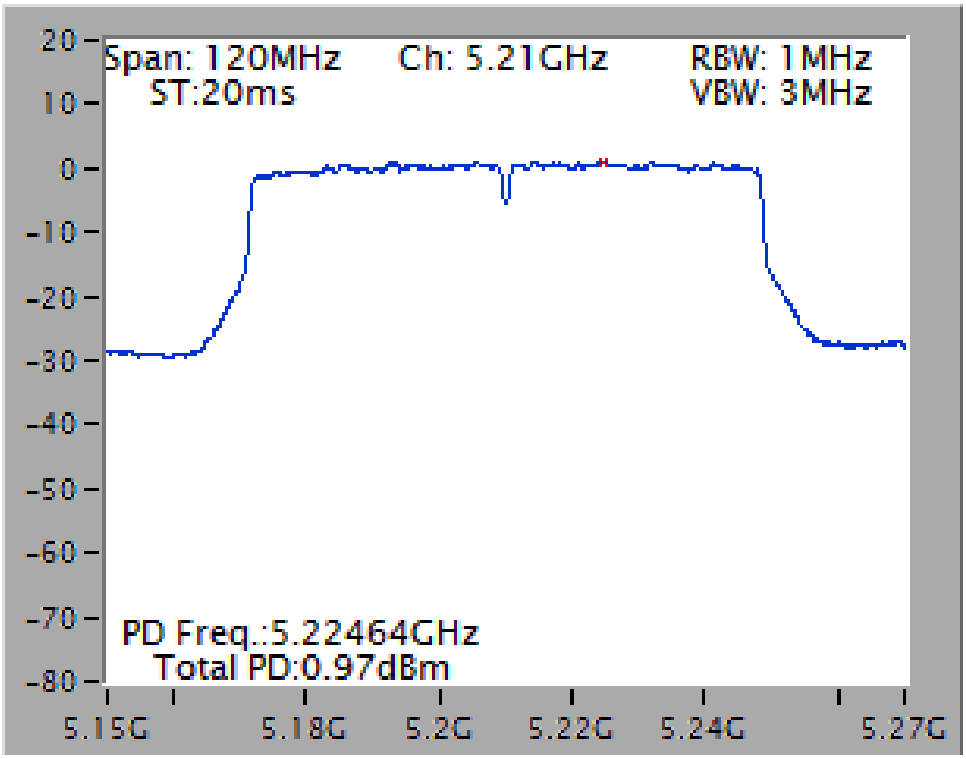

**Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 + Chain 4 / 5775 MHz**



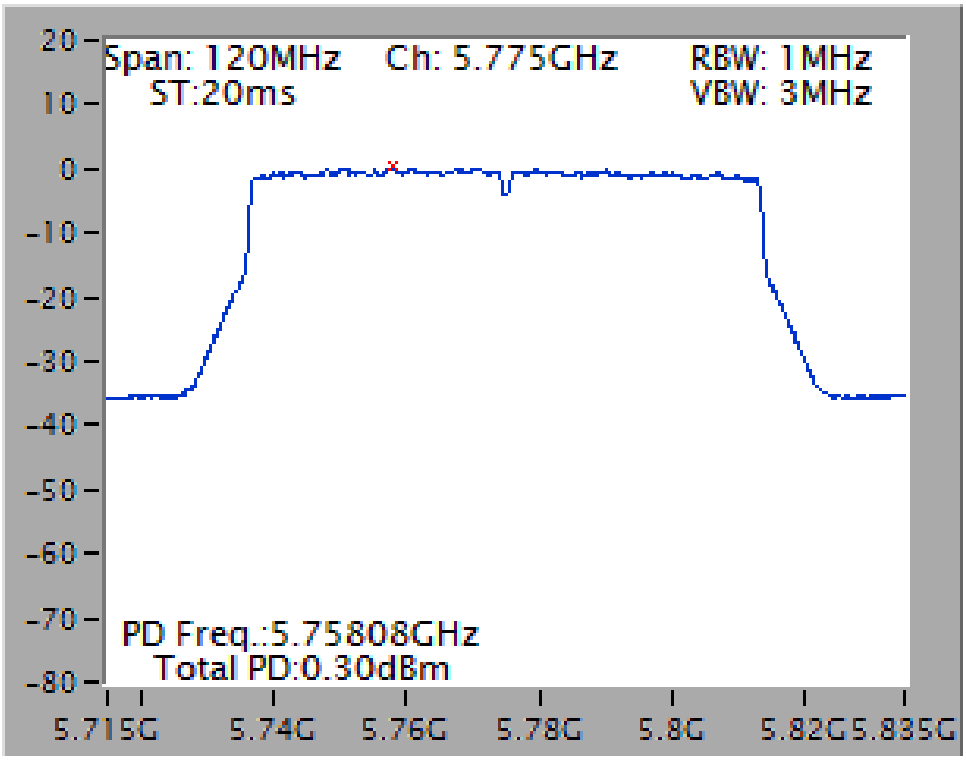
For 802.11ac MCS0/Nss2 VHT80+80 Mode

Type 1

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



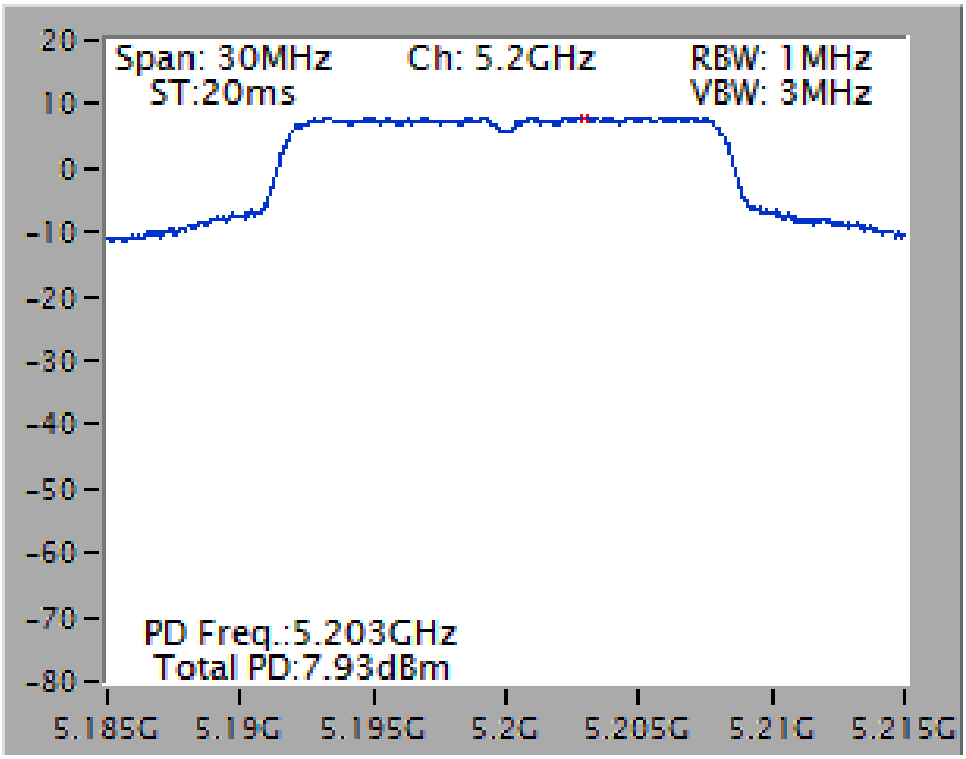

Power Density Plot on Chain 3 + Chain 4 / 5775 MHz



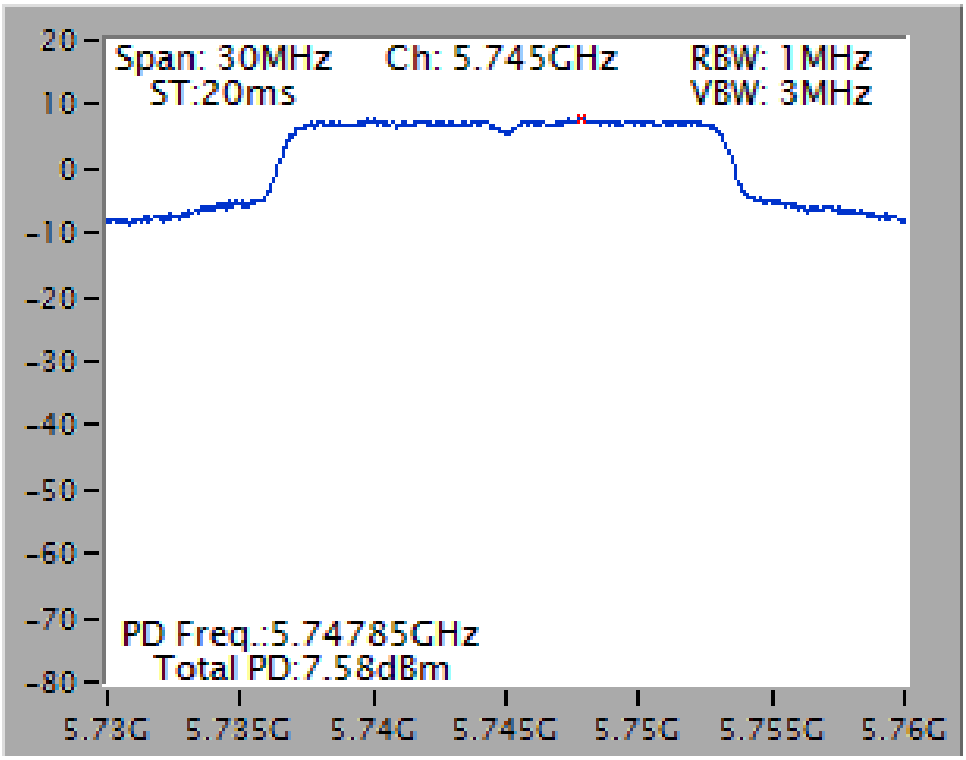
<For Radio 3 Mode>

For Mode 5:

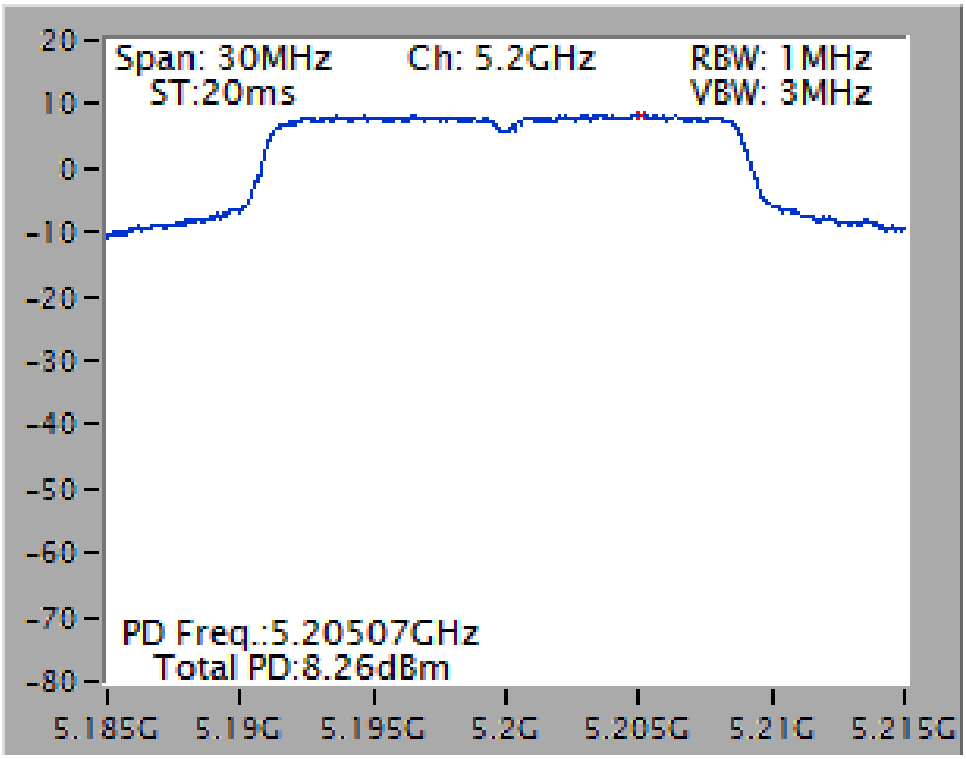
Power Density Plot on Configuration IEEE 802.11a / Chain 5 / 5200 MHz



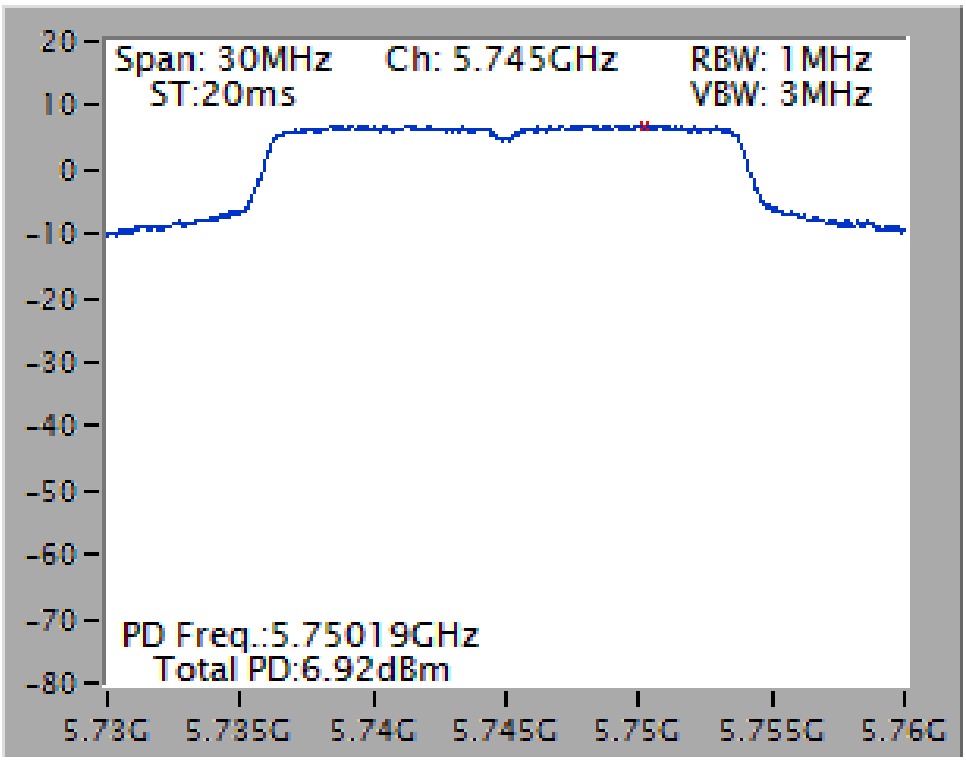

Power Density Plot on Configuration IEEE 802.11a / Chain 5 / 5745 MHz



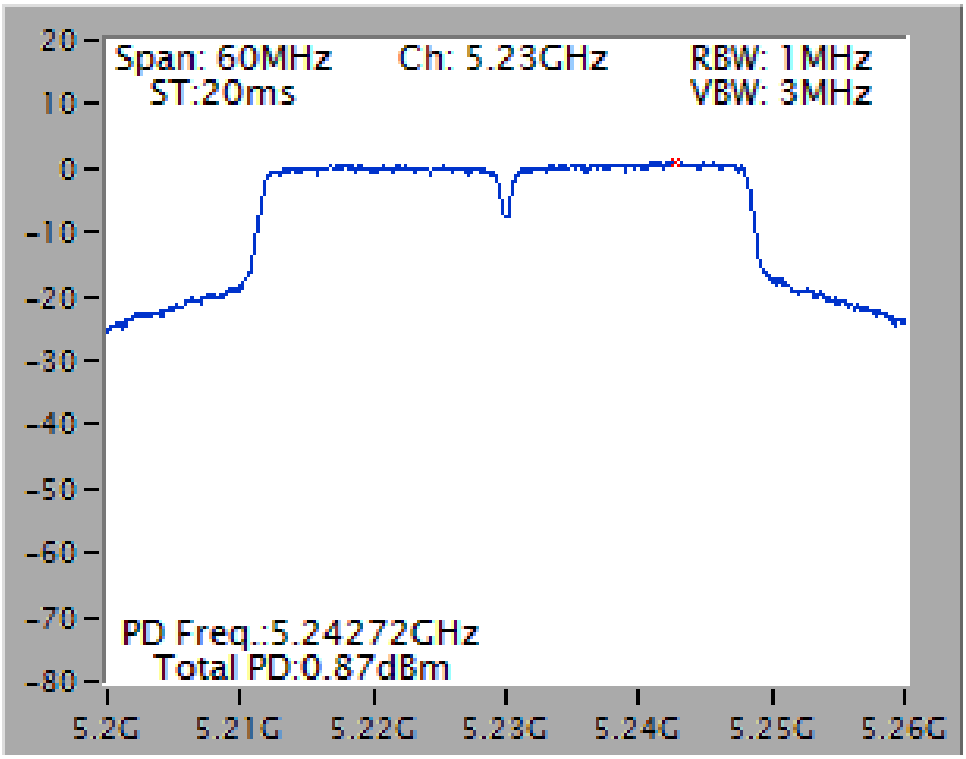
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 5 / 5200 MHz



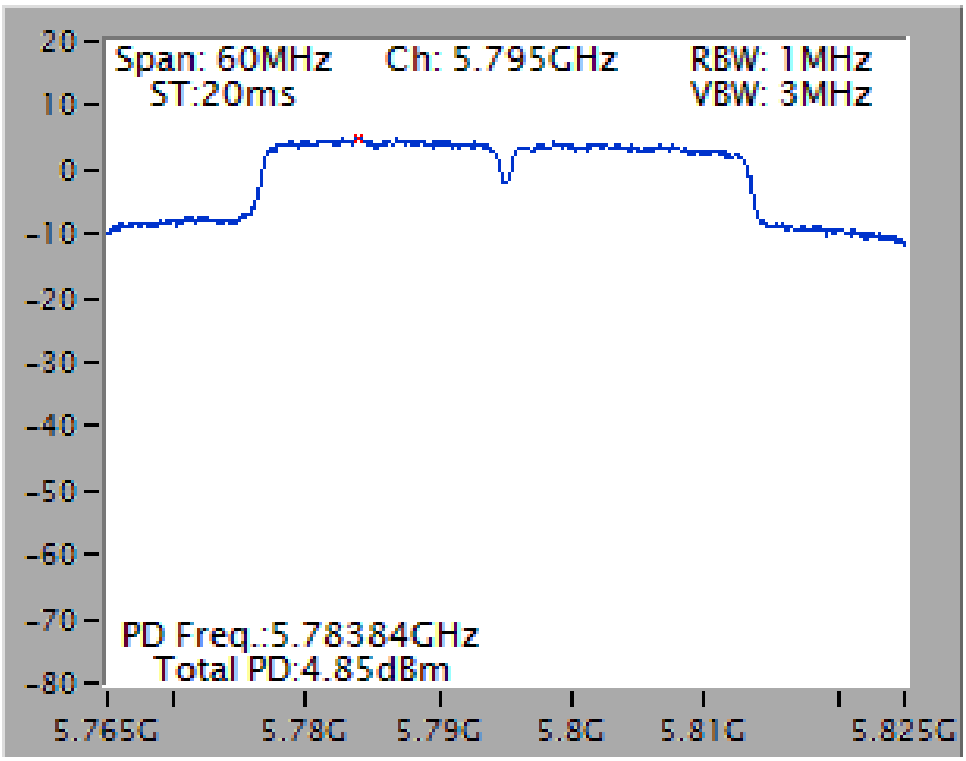

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 5 / 5745 MHz



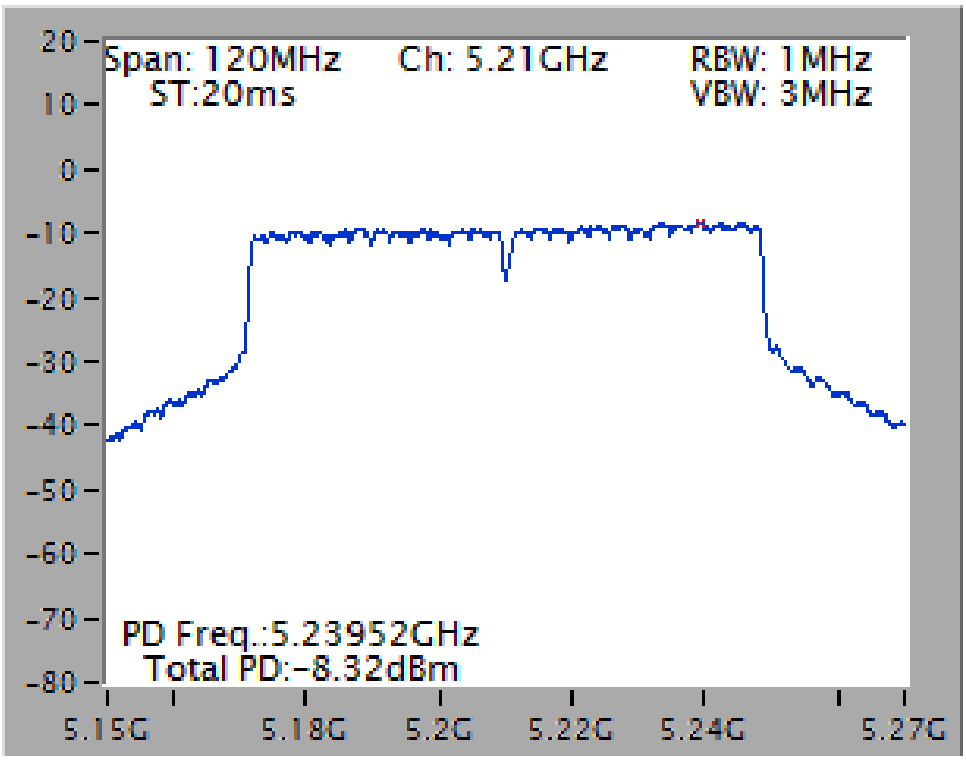
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 5 / 5230 MHz



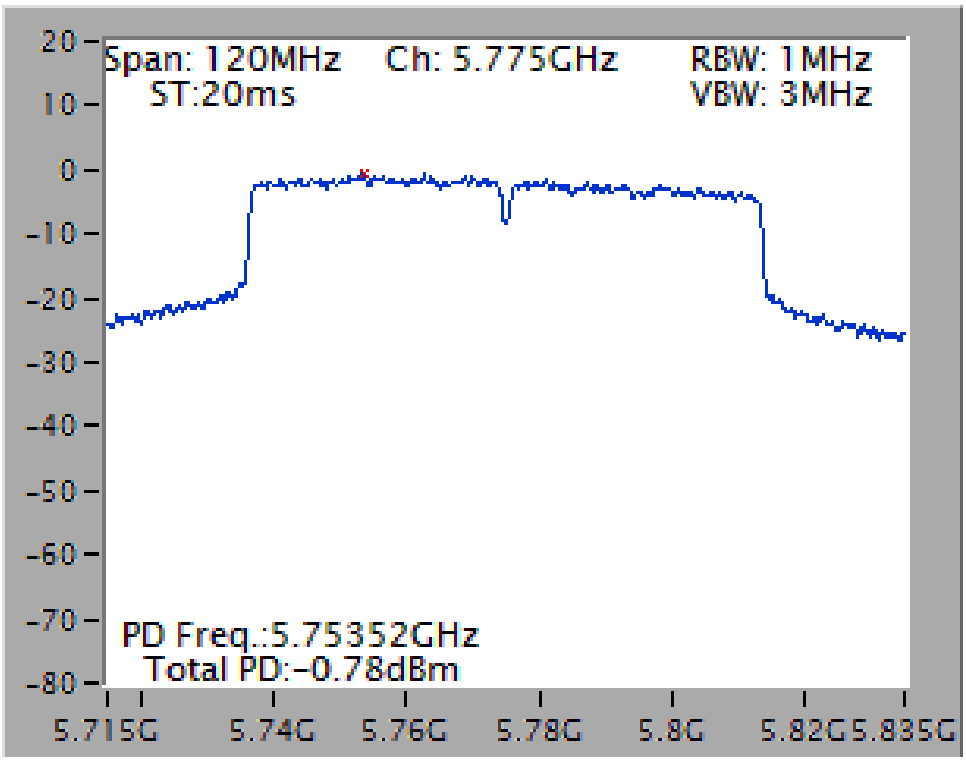

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 5 / 5795 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 5 / 5210 MHz




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 5 / 5775 MHz



## 4.6. Radiated Emissions Measurement

### 4.6.1. Limit

For transmitters operating in the 5.15-5.25 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 5.725-5.85 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 (MHz) | Field Strength (micorvolts/meter) | Measurement Distance (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) | 1MHz / 3MHz for Peak,<br>1MHz / 1/T for Average |
| RBW / VBW (Emission in non-restricted band) | 1MHz / 3MHz for peak |

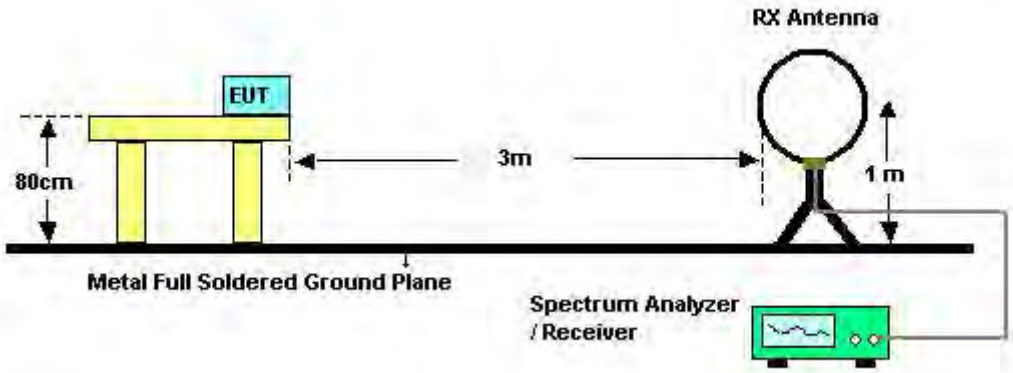
| Receiver Parameter | Setting |
|---|---|
| Attenuation | Auto |
| Start ~ Stop Frequency | 9kHz~150kHz / RBW 200Hz for QP |
| Start ~ Stop Frequency | 150kHz~30MHz / RBW 9kHz for QP |
| Start ~ Stop Frequency | 30MHz~1000MHz / RBW 120kHz for QP |

### 4.6.3. Test Procedures

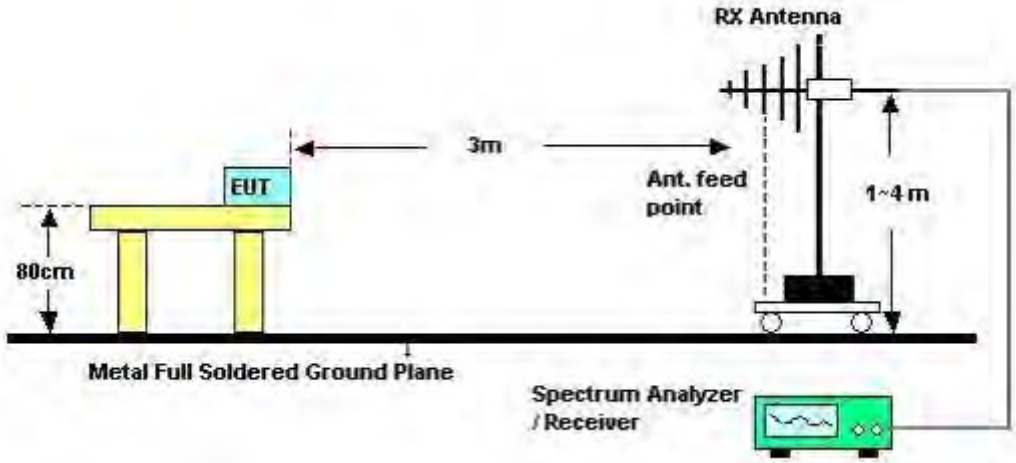
1. Configure the EUT according to ANSI C63.10. The EUT was placed on the top of the turntable 1.5 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 1m & 3m far away from the turntable.
2. Power on the EUT and all the supporting 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

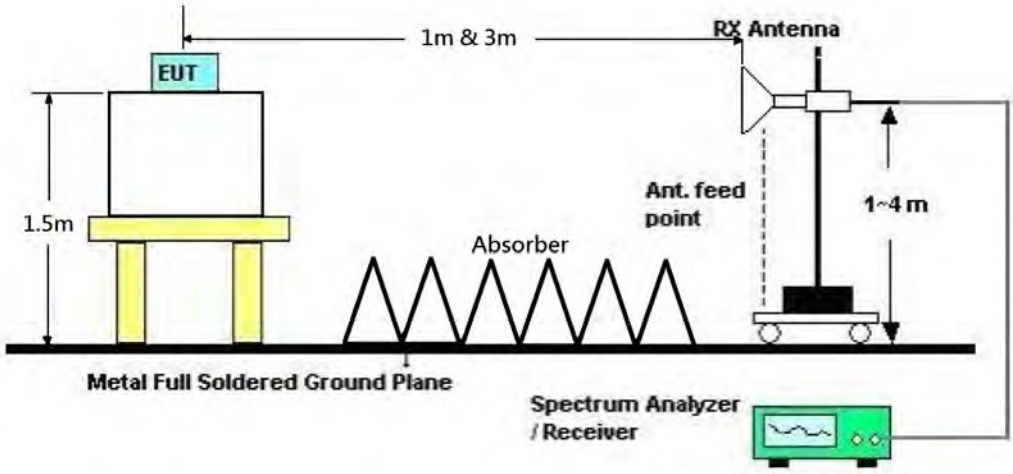
### For Radiated Emissions: 9kHz ~30MHz




### 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 | 56% |
|---|---|---|---|
| Test Engineer | Nyle Chang & Peter Wu & Gary Chu & DK Chang & Eddie Weng & Stim Song & Brain Sun | Configurations | Normal Link |
| Test Date | May 20, 2016 | | |

| Freq. (MHz) | Level (dBuV) | Over Limit (dB) | Limit Line (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.

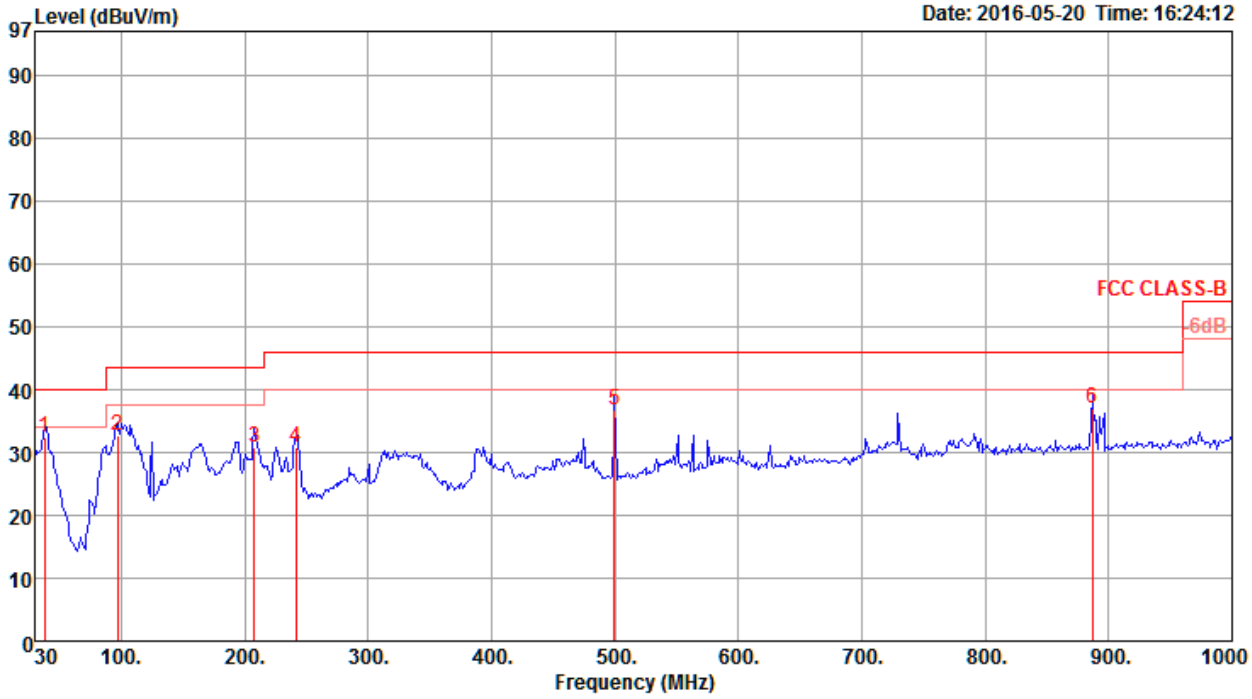
Distance extrapolation factor = 40 log (specific distance / test distance) (dB);

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

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

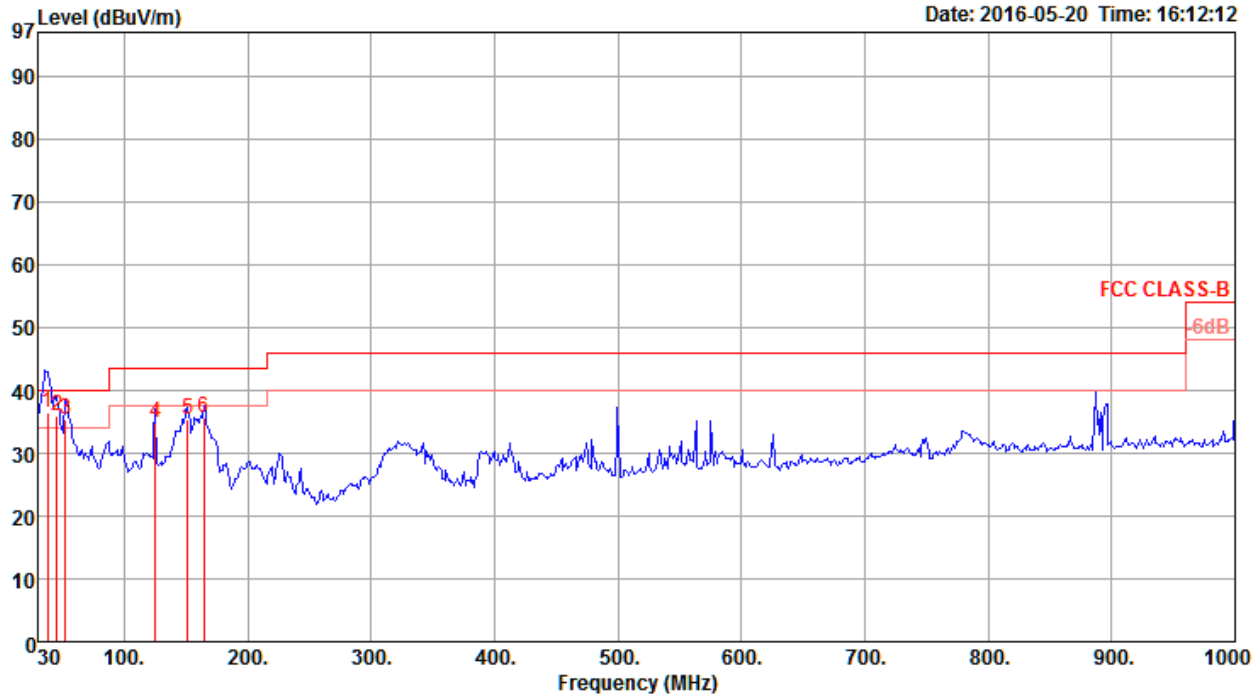
| Temperature | 22°C | Humidity | 56% |
|---|---|---|---|
| Test Engineer | Nyle Chang & Peter Wu & Gary Chu & DK Chang & Eddie Weng & Stim Song & Brain Sun | Configurations | Normal Link |

*Horizontal*




| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 37.76 | 32.30 | 40.00 | -7.70 | 40.85 | 0.26 | 20.76 | 29.57 | 200 | 125 | QP | HORIZONTAL |
| 2 | 96.93 | 32.82 | 43.50 | -10.68 | 45.22 | 0.67 | 16.30 | 29.37 | 123 | 136 | QP | HORIZONTAL |
| 3 | 207.51 | 30.69 | 43.50 | -12.81 | 42.14 | 1.16 | 16.28 | 28.89 | 302 | 199 | QP | HORIZONTAL |
| 4 | 241.46 | 30.79 | 46.00 | -15.21 | 40.55 | 1.29 | 18.03 | 29.08 | 308 | 137 | QP | HORIZONTAL |
| 5 | 499.48 | 36.85 | 46.00 | -9.15 | 40.37 | 2.04 | 23.90 | 29.46 | 129 | 163 | QP | HORIZONTAL |
| 6 | 886.51 | 37.08 | 46.00 | -8.92 | 34.89 | 2.94 | 27.42 | 28.17 | 208 | 196 | QP | HORIZONTAL |

*Vertical*




| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 37.76 | 36.48 | 40.00 | -3.52 | 45.03 | 0.26 | 20.76 | 29.57 | 220 | 157 | QP | VERTICAL |
| 2 | 45.52 | 35.82 | 40.00 | -4.18 | 48.56 | 0.33 | 16.48 | 29.55 | 226 | 189 | QP | VERTICAL |
| 3 | 52.31 | 35.46 | 40.00 | -4.54 | 50.64 | 0.40 | 13.95 | 29.53 | 145 | 201 | QP | VERTICAL |
| 4 | 125.06 | 34.93 | 43.50 | -8.57 | 45.09 | 0.82 | 18.25 | 29.23 | 122 | 196 | QP | VERTICAL |
| 5 | 151.25 | 35.30 | 43.50 | -8.20 | 46.71 | 0.92 | 16.76 | 29.09 | 266 | 174 | QP | VERTICAL |
| 6 | 164.83 | 35.65 | 43.50 | -7.85 | 47.54 | 0.99 | 16.15 | 29.03 | 241 | 146 | QP | VERTICAL |

Note:

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

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

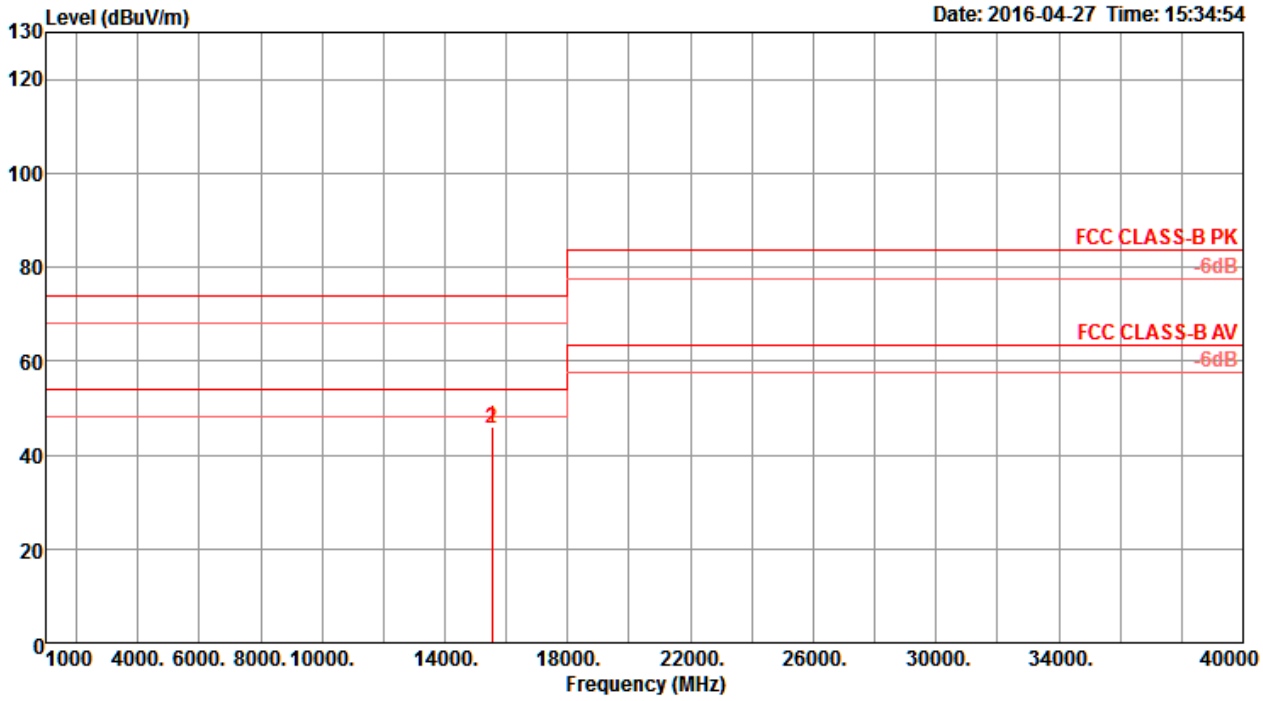
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

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

<For Radio 2 Non-beamforming Mode>

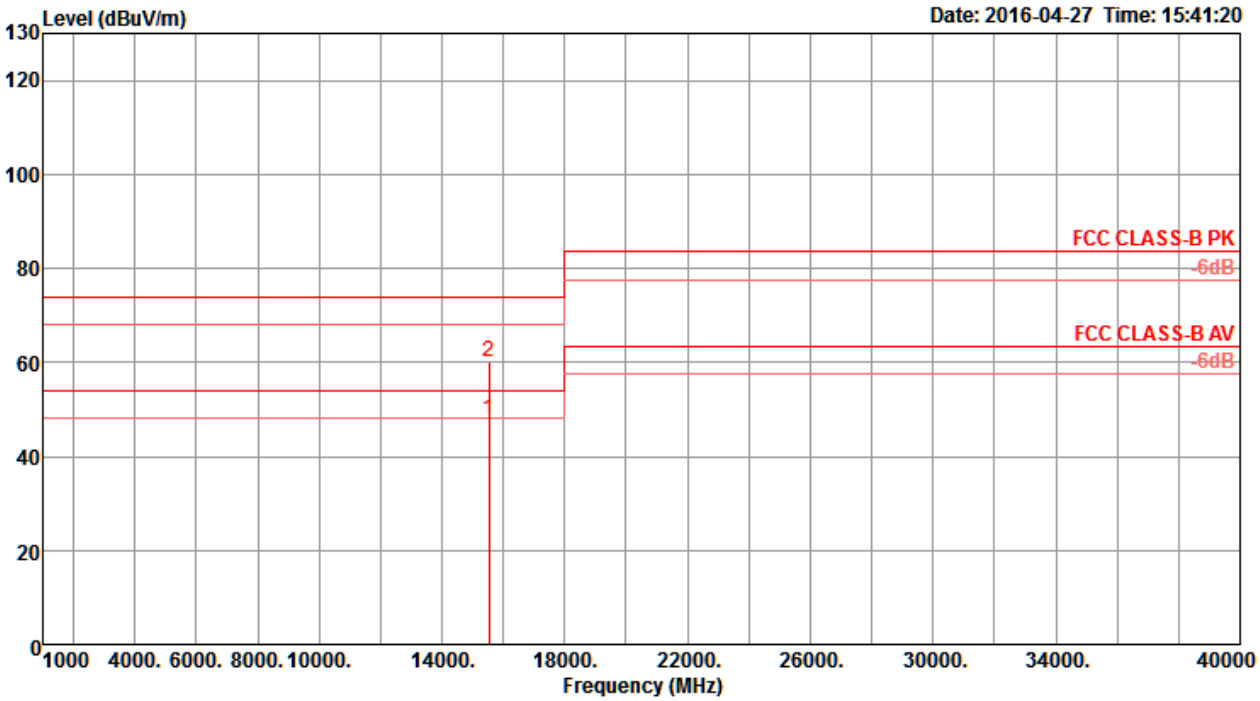
| Temperature | 22℃ | Humidity | 56% |
|---|---|---|---|
| Test Engineer | Nyle Chang & Peter Wu & Gary Chu & DK Chang & Eddie Weng & Stim Song & Brain Sun | Configurations | IEEE 802.11a CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Mode | Mode 1 | | |

*Horizontal*




| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 15539.36 | 46.05 | 74.00 | -27.95 | 31.30 | 11.23 | 38.16 | 34.64 | 211 | 308 | Peak | HORIZONTAL |
| 2 | 15541.00 | 45.68 | 54.00 | -8.32 | 30.93 | 11.23 | 38.16 | 34.64 | 211 | 308 | Average | HORIZONTAL |

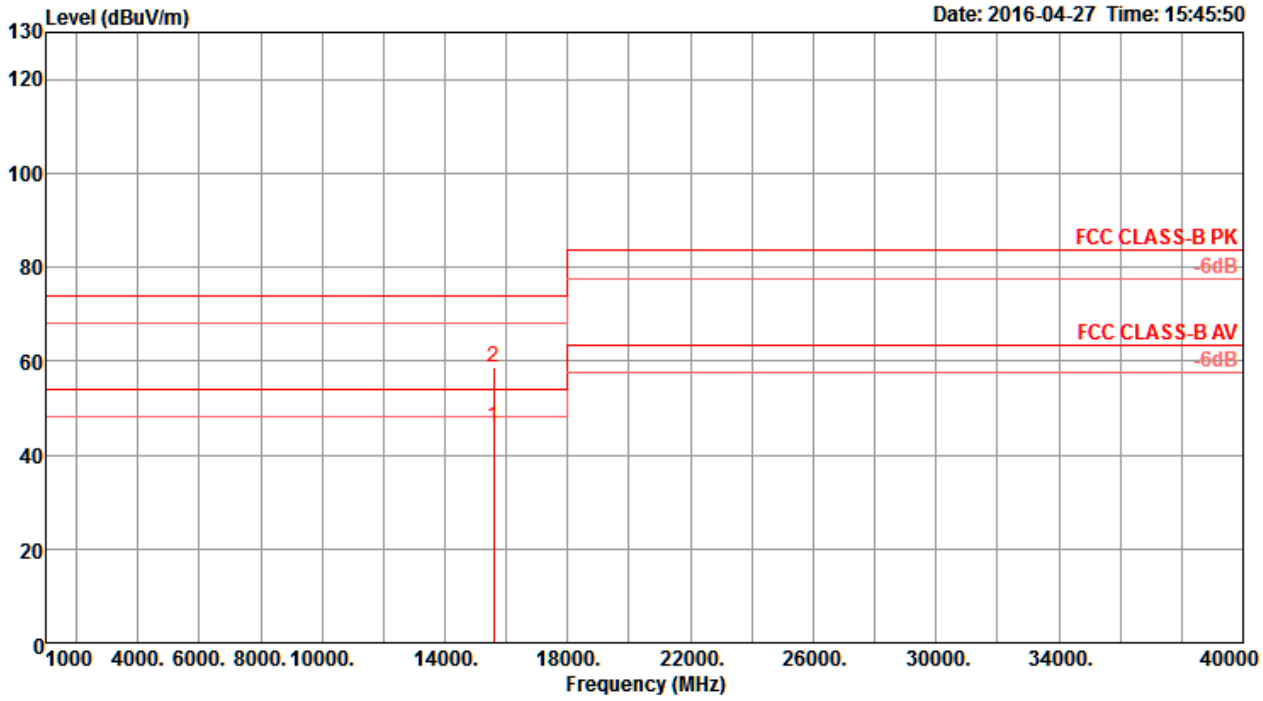
*Vertical*




| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 15538.80 | 47.65 | 54.00 | -6.35 | 32.90 | 11.23 | 38.16 | 34.64 | 39 | 290 | Average | VERTICAL |
| 2 | 15539.04 | 60.12 | 74.00 | -13.88 | 45.37 | 11.23 | 38.16 | 34.64 | 39 | 290 | Peak | VERTICAL |

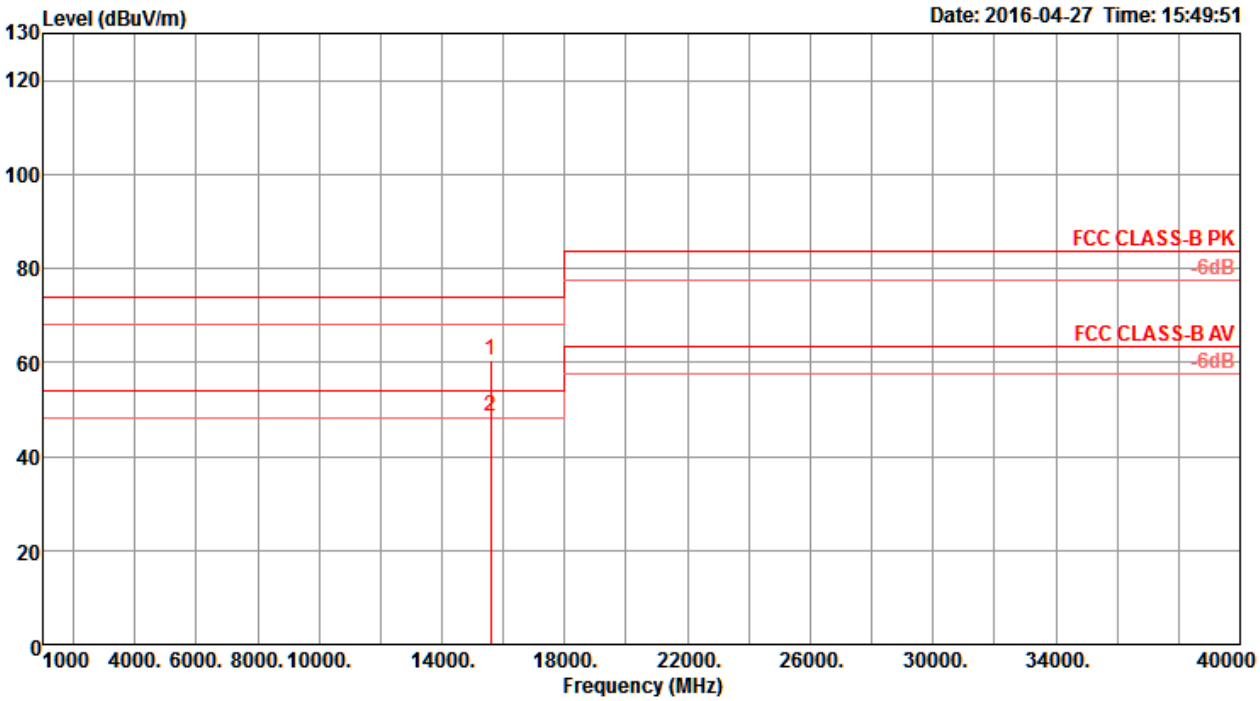
| Temperature | 22℃ | Humidity | 56% |
|---|---|---|---|
| Test Engineer | Nyle Chang & Peter Wu & Gary Chu & DK Chang & Eddie Weng & Stim Song & Brain Sun | Configurations | IEEE 802.11a CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Mode | Mode 1 | | |

*Horizontal*




| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 15596.04 | 46.04 | 54.00 | -7.96 | 31.25 | 11.24 | 38.23 | 34.68 | 258 | 229 | Average | HORIZONTAL |
| 2 | 15600.40 | 58.83 | 74.00 | -15.17 | 44.04 | 11.24 | 38.23 | 34.68 | 258 | 229 | Peak | HORIZONTAL |

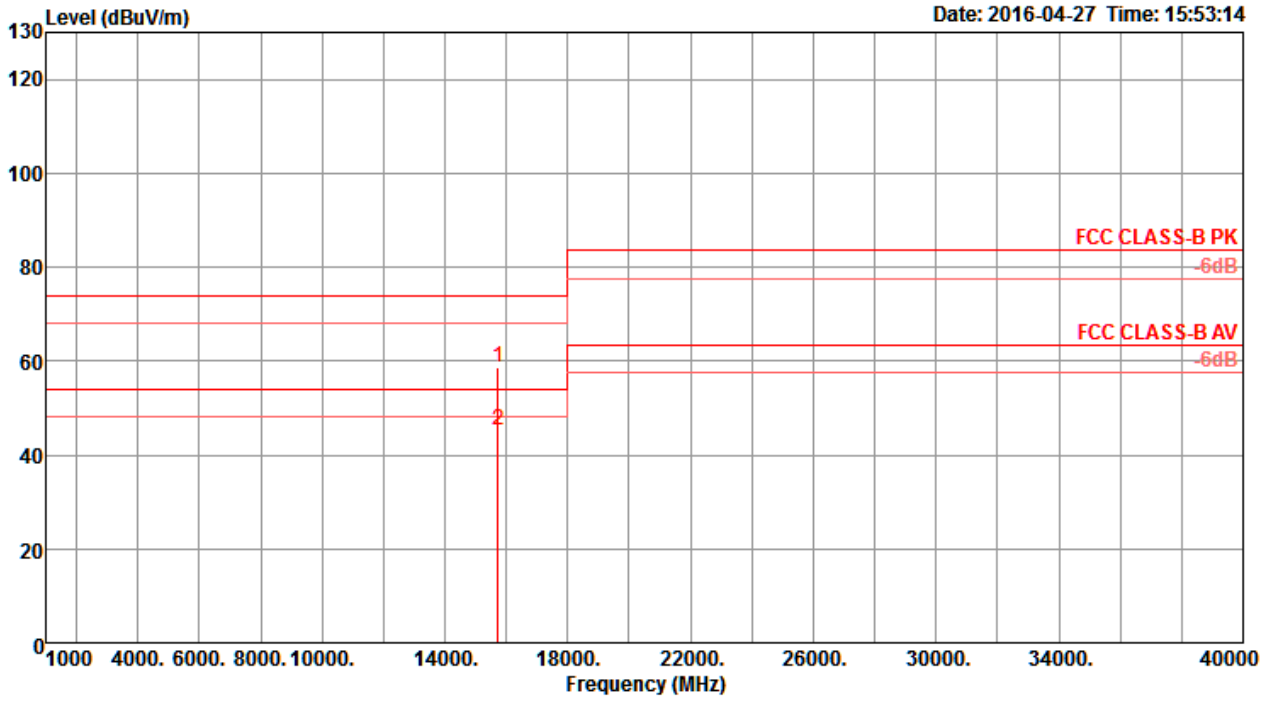
*Vertical*




| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 15593.48 | 60.52 | 74.00 | -13.48 | 45.73 | 11.24 | 38.23 | 34.68 | 35 | 298 | Peak | VERTICAL |
| 2 | 15598.76 | 48.35 | 54.00 | -5.65 | 33.56 | 11.24 | 38.23 | 34.68 | 35 | 298 | Average | VERTICAL |

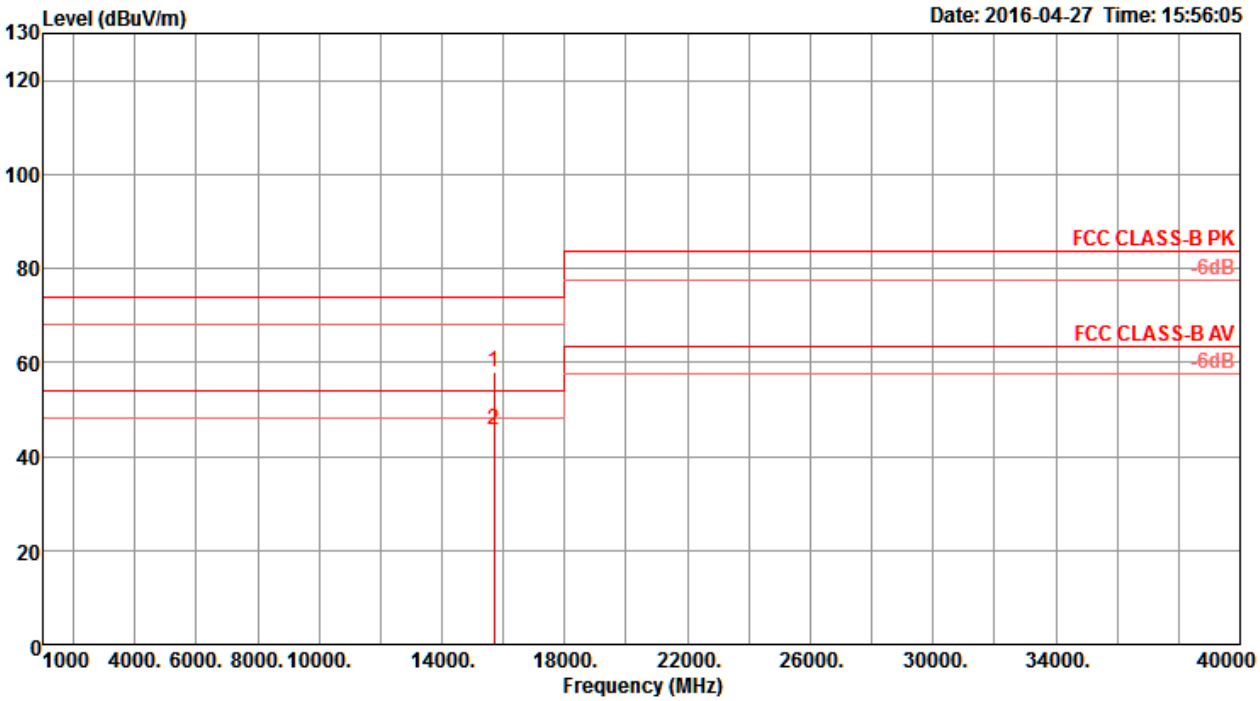
| Temperature | 22℃ | Humidity | 56% |
|---|---|---|---|
| Test Engineer | Nyle Chang & Peter Wu & Gary Chu & DK Chang & Eddie Weng & Stim Song & Brain Sun | Configurations | IEEE 802.11a CH 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Mode | Mode 1 | | |

*Horizontal*




| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 15715.28 | 58.60 | 74.00 | -15.40 | 43.72 | 11.27 | 38.42 | 34.81 | 281 | 269 | Peak | HORIZONTAL |
| 2 | 15729.60 | 45.35 | 54.00 | -8.65 | 30.47 | 11.27 | 38.42 | 34.81 | 281 | 269 | Average | HORIZONTAL |

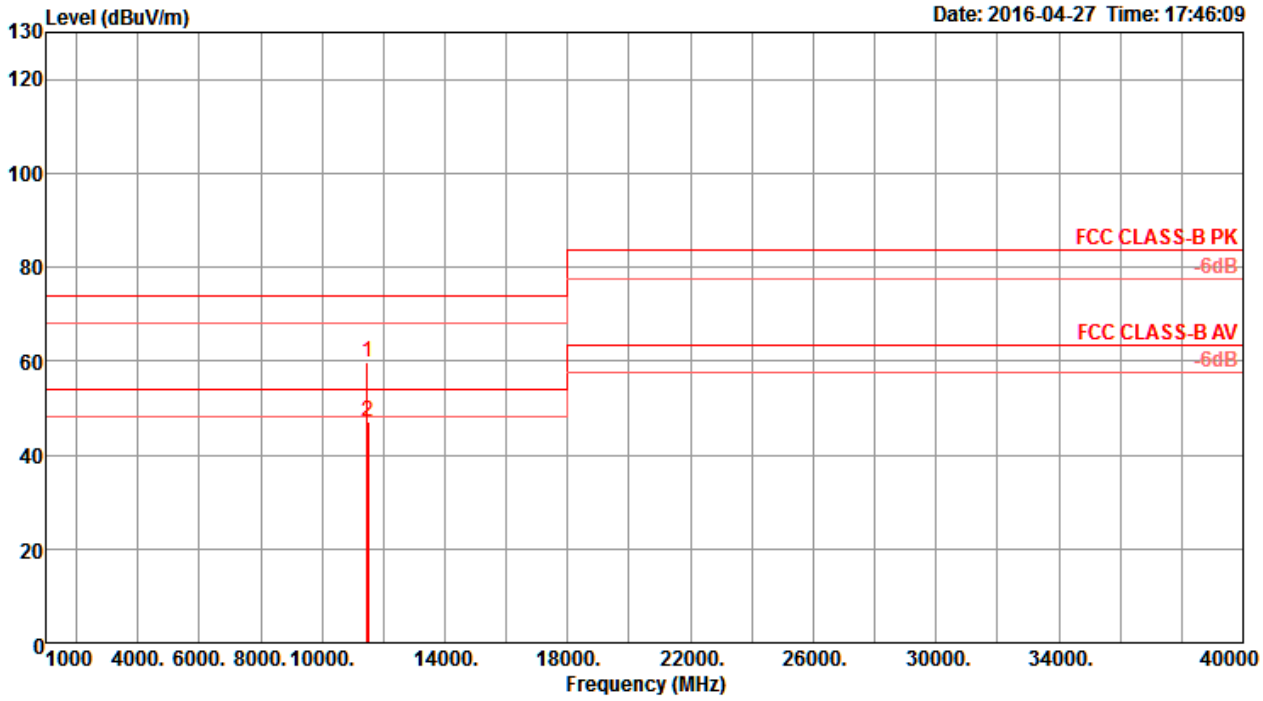
*Vertical*




| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 15712.12 | 57.93 | 74.00 | -16.07 | 43.01 | 11.27 | 38.42 | 34.77 | 131 | 240 | Peak | VERTICAL |
| 2 | 15713.60 | 45.79 | 54.00 | -8.21 | 30.91 | 11.27 | 38.42 | 34.81 | 131 | 240 | Average | VERTICAL |

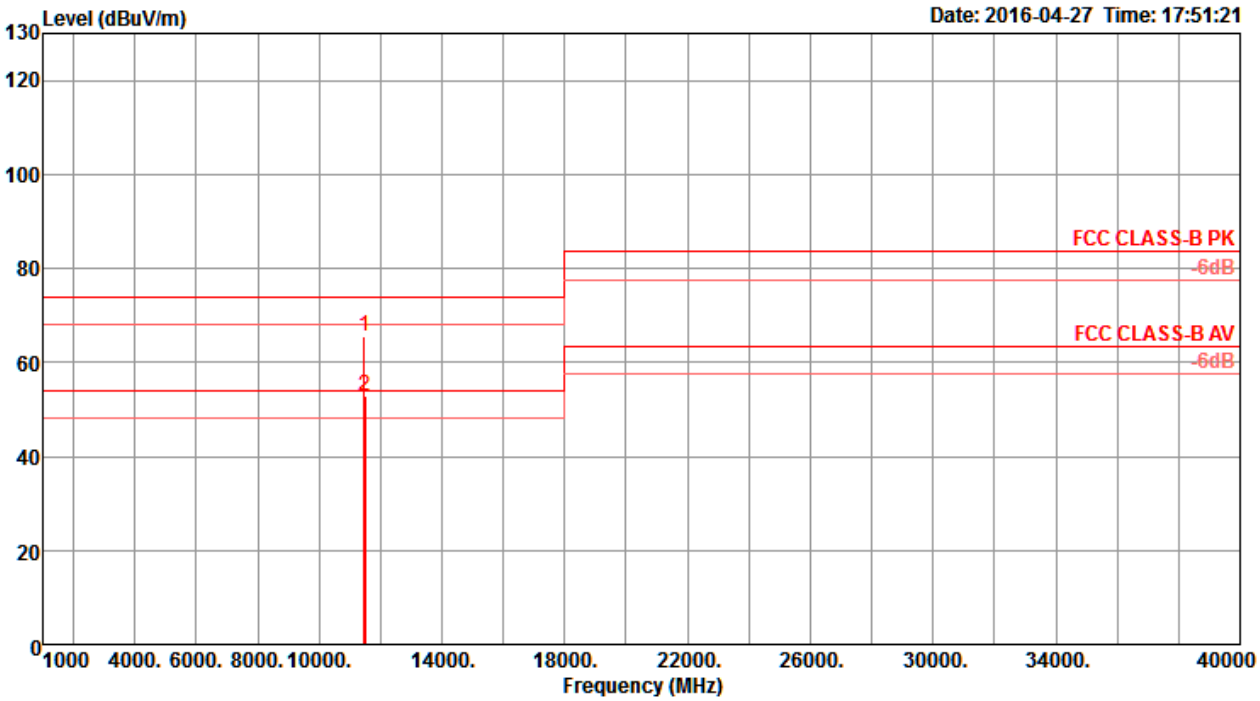
| Temperature | 22℃ | Humidity | 56% |
|---|---|---|---|
| Test Engineer | Nyle Chang & Peter Wu & Gary Chu & DK Chang & Eddie Weng & Stim Song & Brain Sun | Configurations | IEEE 802.11a CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Mode | Mode 1 | | |

*Horizontal*




| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 11482.40 | 59.61 | 74.00 | -14.39 | 46.11 | 9.62 | 38.50 | 34.62 | 68 | 208 | Peak | HORIZONTAL |
| 2 | 11483.50 | 47.01 | 54.00 | -6.99 | 33.51 | 9.62 | 38.50 | 34.62 | 68 | 208 | Average | HORIZONTAL |

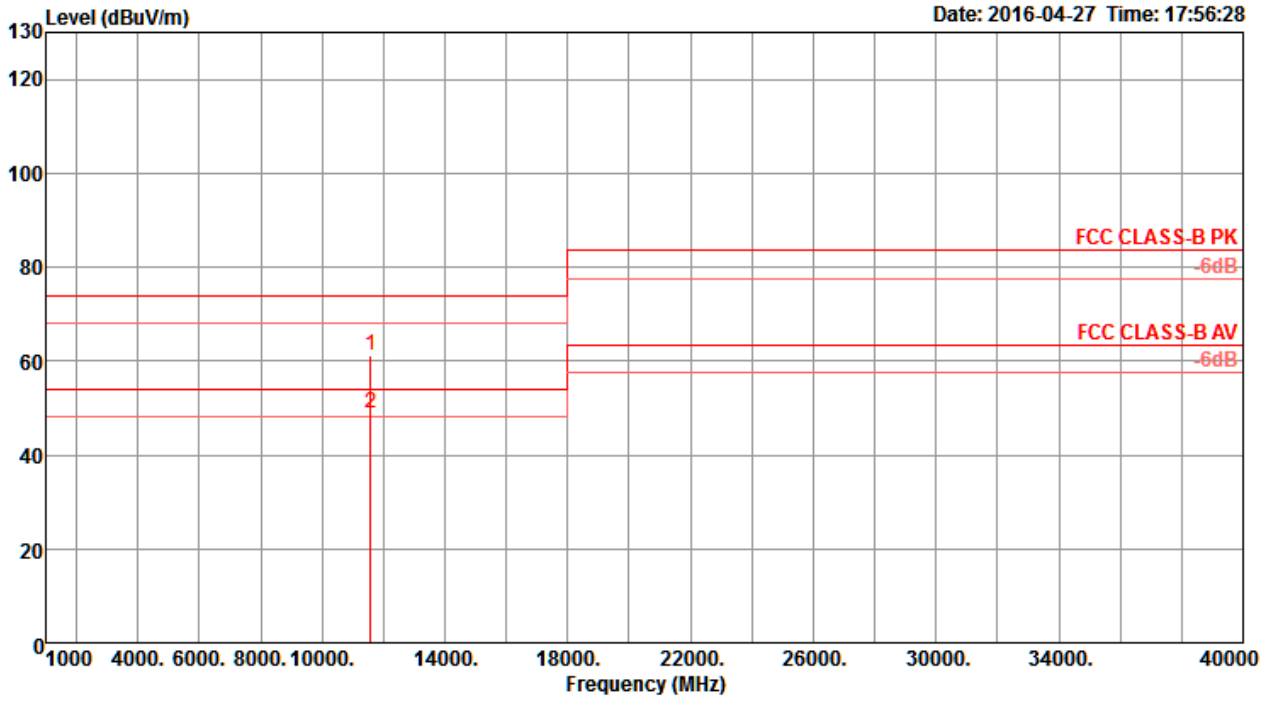
*Vertical*




| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 11482.70 | 65.63 | 74.00 | -8.37 | 52.13 | 9.62 | 38.50 | 34.62 | 33 | 243 | Peak | VERTICAL |
| 2 | 11483.70 | 53.01 | 54.00 | -0.99 | 39.51 | 9.62 | 38.50 | 34.62 | 33 | 243 | Average | VERTICAL |

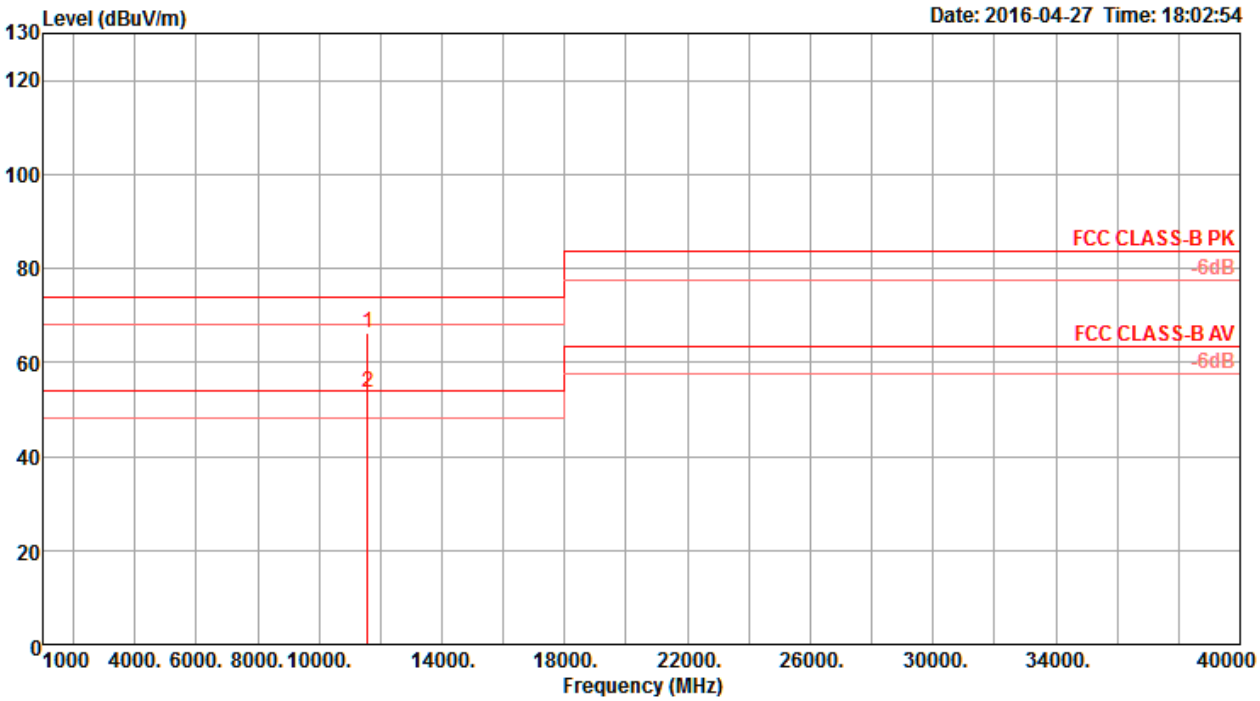
| Temperature | 22℃ | Humidity | 56% |
|---|---|---|---|
| Test Engineer | Nyle Chang & Peter Wu & Gary Chu & DK Chang & Eddie Weng & Stim Song & Brain Sun | Configurations | IEEE 802.11a CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Mode | Mode 1 | | |

*Horizontal*




| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 11566.90 | 61.14 | 74.00 | -12.86 | 47.65 | 9.61 | 38.53 | 34.65 | 121 | 274 | Peak | HORIZONTAL |
| 2 | 11567.80 | 49.06 | 54.00 | -4.94 | 35.57 | 9.61 | 38.53 | 34.65 | 121 | 274 | Average | HORIZONTAL |

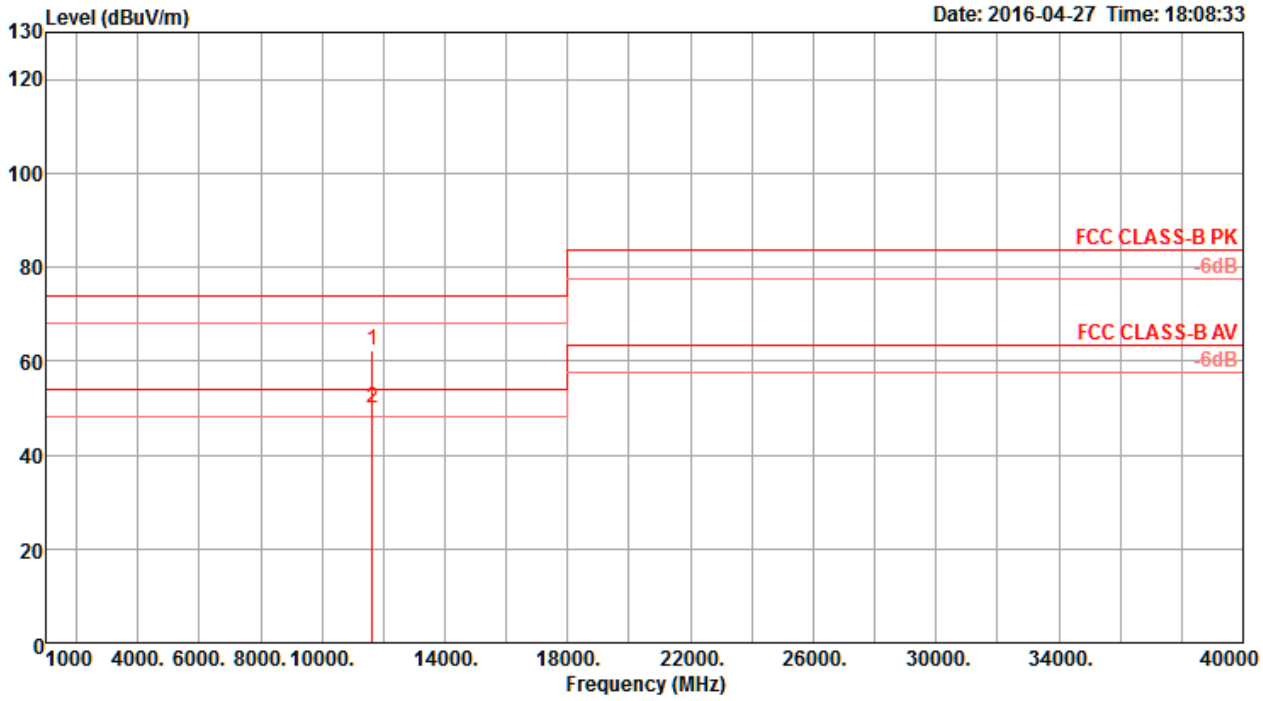
*Vertical*




| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 11568.00 | 66.22 | 74.00 | -7.78 | 52.73 | 9.61 | 38.53 | 34.65 | 199 | 239 | Peak | VERTICAL |
| 2 | 11568.00 | 53.55 | 54.00 | -0.45 | 40.06 | 9.61 | 38.53 | 34.65 | 199 | 239 | Average | VERTICAL |

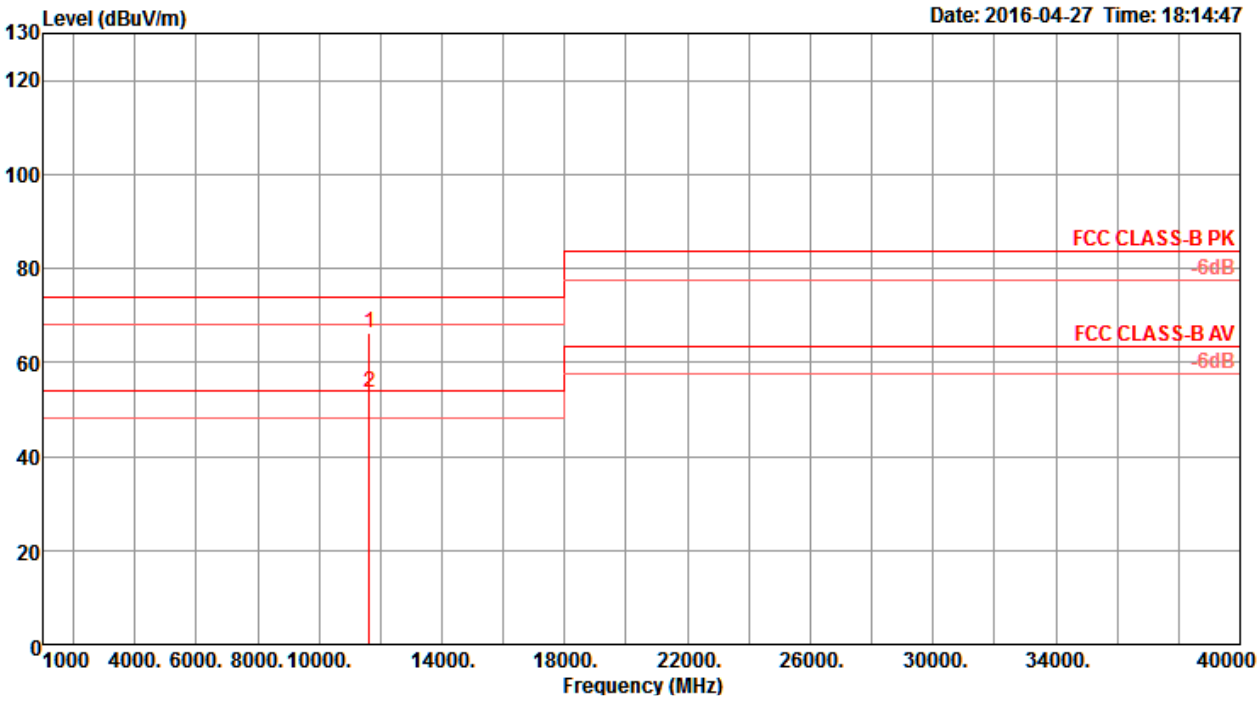
| Temperature | 22℃ | Humidity | 56% |
|---|---|---|---|
| Test Engineer | Nyle Chang & Peter Wu & Gary Chu & DK Chang & Eddie Weng & Stim Song & Brain Sun | Configurations | IEEE 802.11a CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Mode | Mode 1 | | |

*Horizontal*




| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 11647.50 | 62.29 | 74.00 | -11.71 | 48.82 | 9.60 | 38.55 | 34.68 | 122 | 203 | Peak | HORIZONTAL |
| 2 | 11648.10 | 50.07 | 54.00 | -3.93 | 36.60 | 9.60 | 38.55 | 34.68 | 122 | 203 | Average | HORIZONTAL |

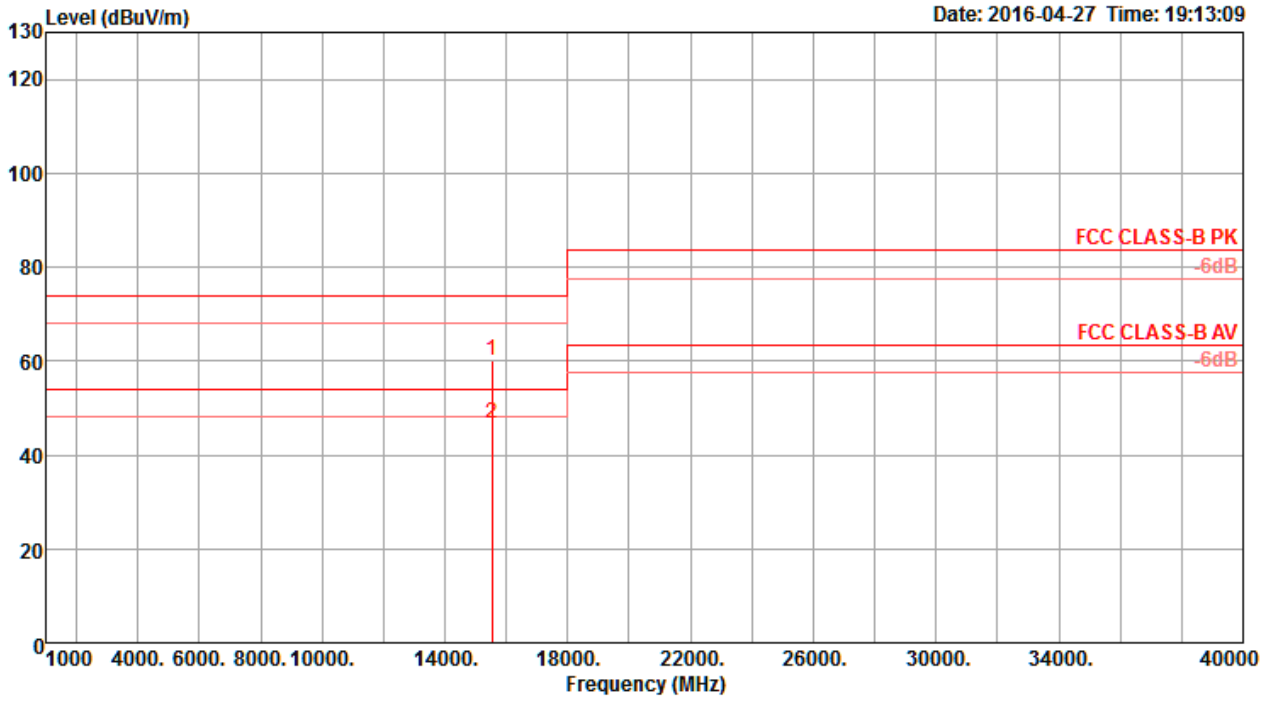
*Vertical*




| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 11648.00 | 66.14 | 74.00 | -7.86 | 52.67 | 9.60 | 38.55 | 34.68 | 206 | 237 | Peak | VERTICAL |
| 2 | 11648.50 | 53.48 | 54.00 | -0.52 | 40.01 | 9.60 | 38.55 | 34.68 | 206 | 237 | Average | VERTICAL |

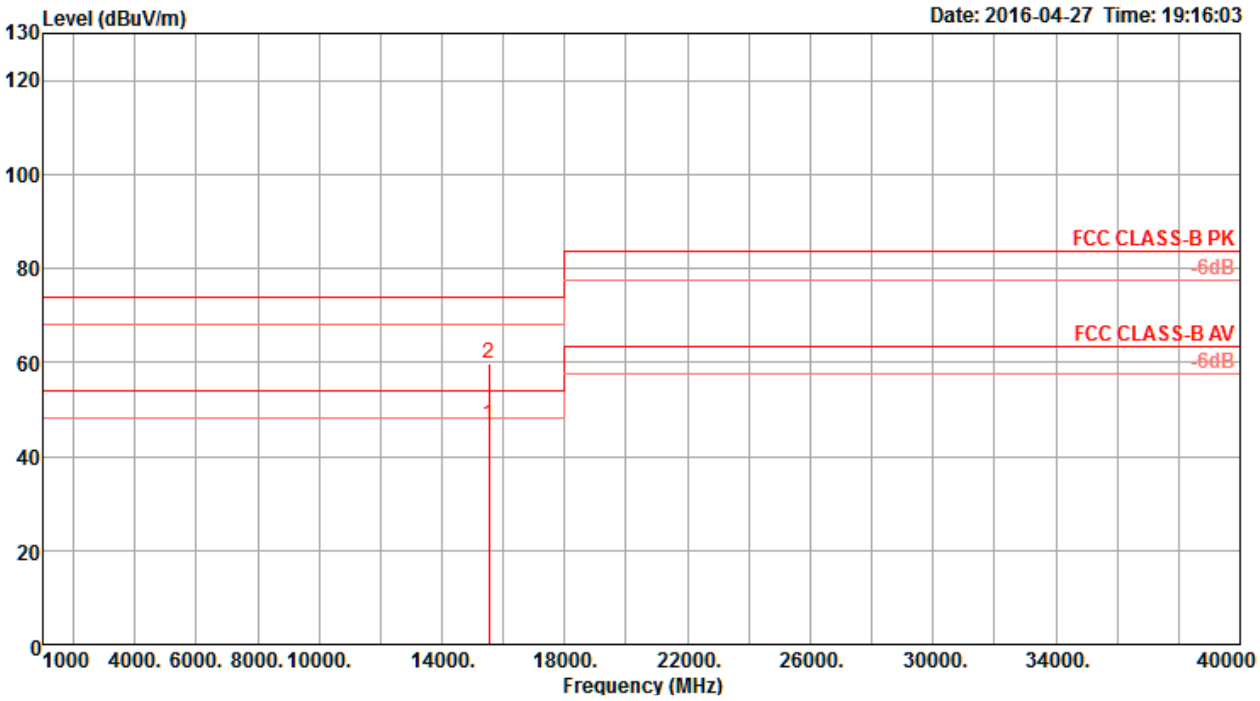
| Temperature | 22℃ | Humidity | 56% |
|---|---|---|---|
| Test Engineer | Nyle Chang & Peter Wu & Gary Chu & DK Chang & Eddie Weng & Stim Song & Brain Sun | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 36 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Mode | Mode 1 | | |

*Horizontal*




| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 15530.52 | 60.14 | 74.00 | -13.86 | 45.39 | 11.23 | 38.16 | 34.64 | 55 | 305 | Peak | HORIZONTAL |
| 2 | 15543.16 | 46.72 | 54.00 | -7.28 | 31.97 | 11.23 | 38.16 | 34.64 | 55 | 305 | Average | HORIZONTAL |

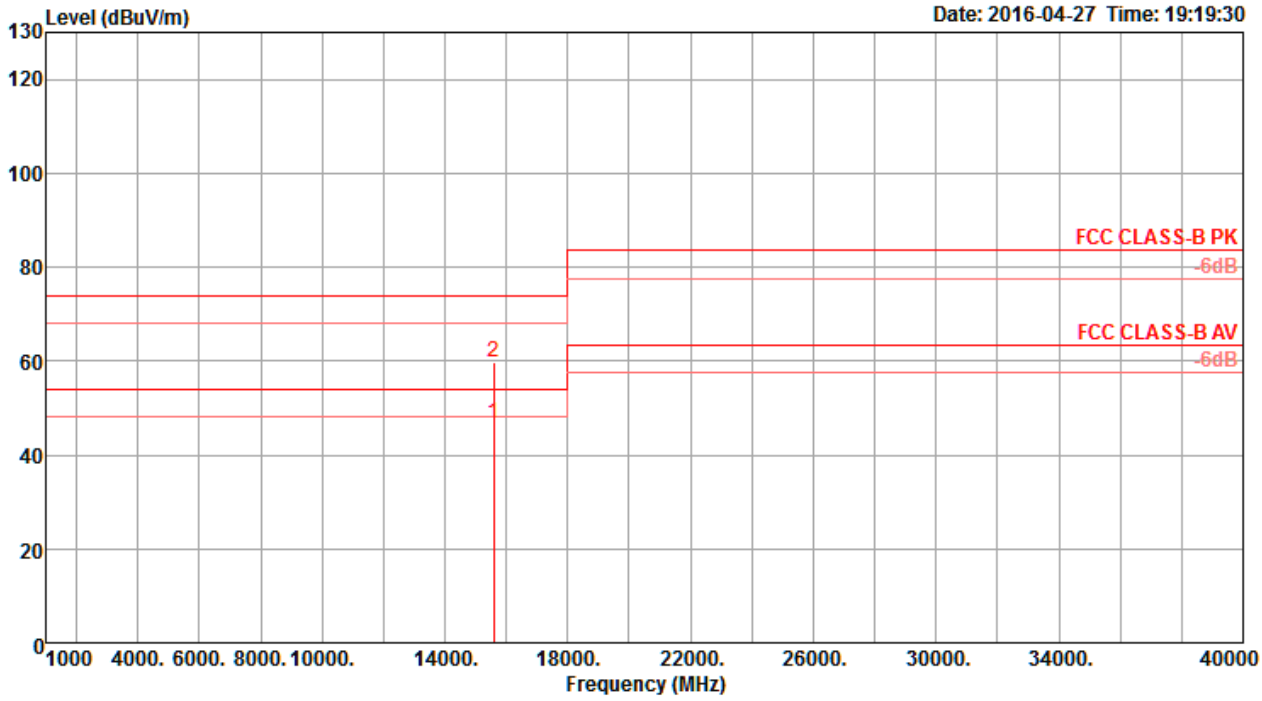
*Vertical*




| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 15538.72 | 46.79 | 54.00 | -7.21 | 32.04 | 11.23 | 38.16 | 34.64 | 44 | 176 | Average | VERTICAL |
| 2 | 15545.68 | 59.82 | 74.00 | -14.18 | 45.07 | 11.23 | 38.16 | 34.64 | 44 | 176 | Peak | VERTICAL |

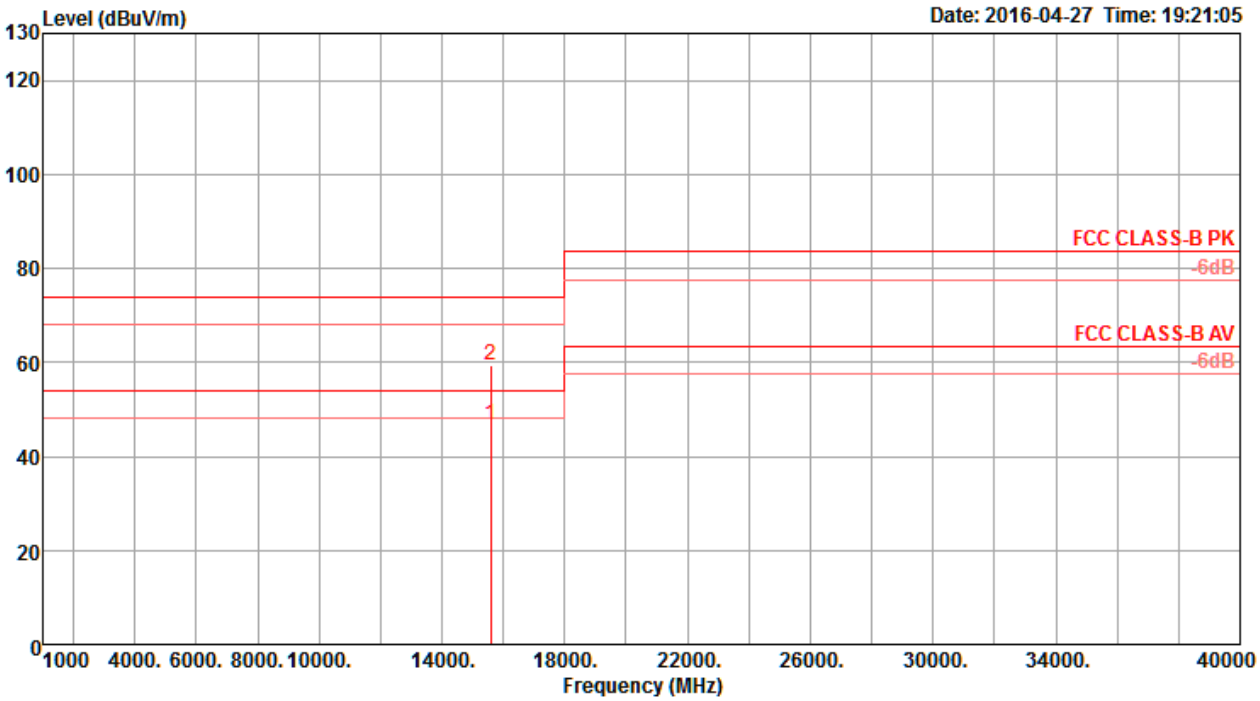
| Temperature | 22℃ | Humidity | 56% |
|---|---|---|---|
| Test Engineer | Nyle Chang & Peter Wu & Gary Chu & DK Chang & Eddie Weng & Stim Song & Brain Sun | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 40 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Mode | Mode 1 | | |

*Horizontal*




| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 15591.52 | 46.57 | 54.00 | -7.43 | 31.78 | 11.24 | 38.23 | 34.68 | 200 | 208 | Average | HORIZONTAL |
| 2 | 15603.52 | 59.62 | 74.00 | -14.38 | 44.76 | 11.25 | 38.29 | 34.68 | 200 | 208 | Peak | HORIZONTAL |

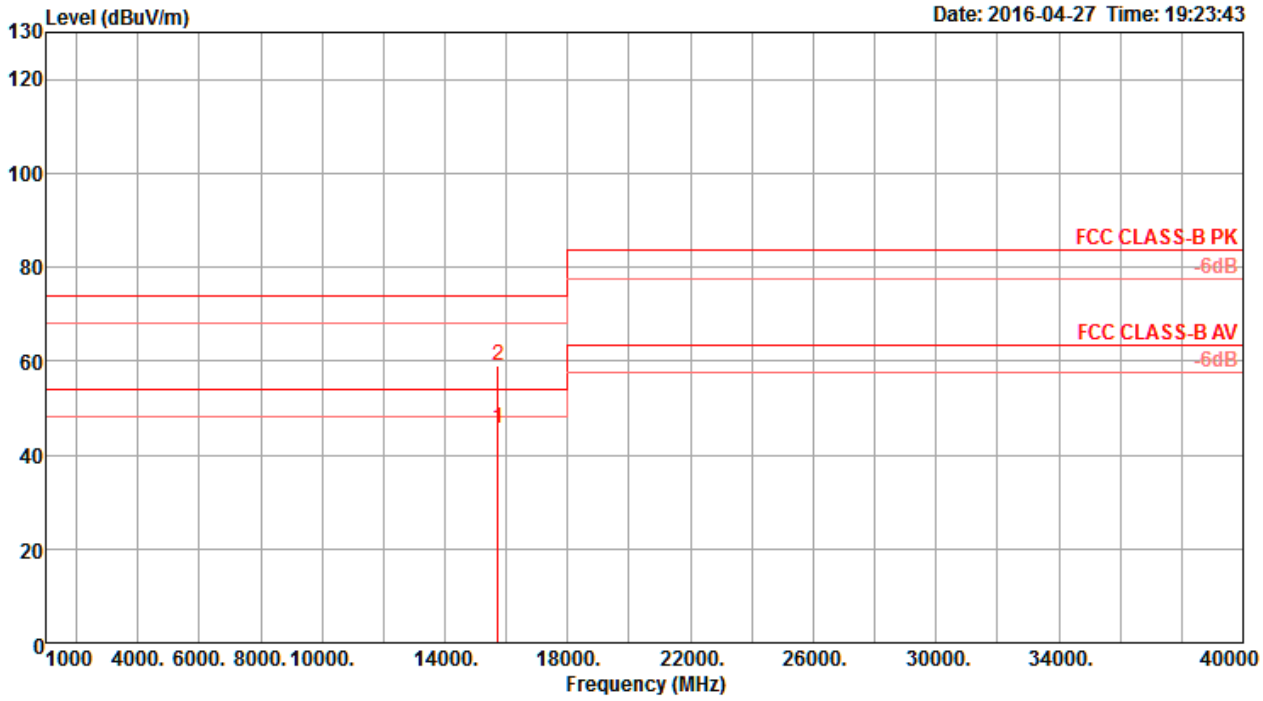
*Vertical*




| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 15597.56 | 46.86 | 54.00 | -7.14 | 32.07 | 11.24 | 38.23 | 34.68 | 25 | 174 | Average | VERTICAL |
| 2 | 15602.52 | 59.27 | 74.00 | -14.73 | 44.41 | 11.25 | 38.29 | 34.68 | 25 | 174 | Peak | VERTICAL |

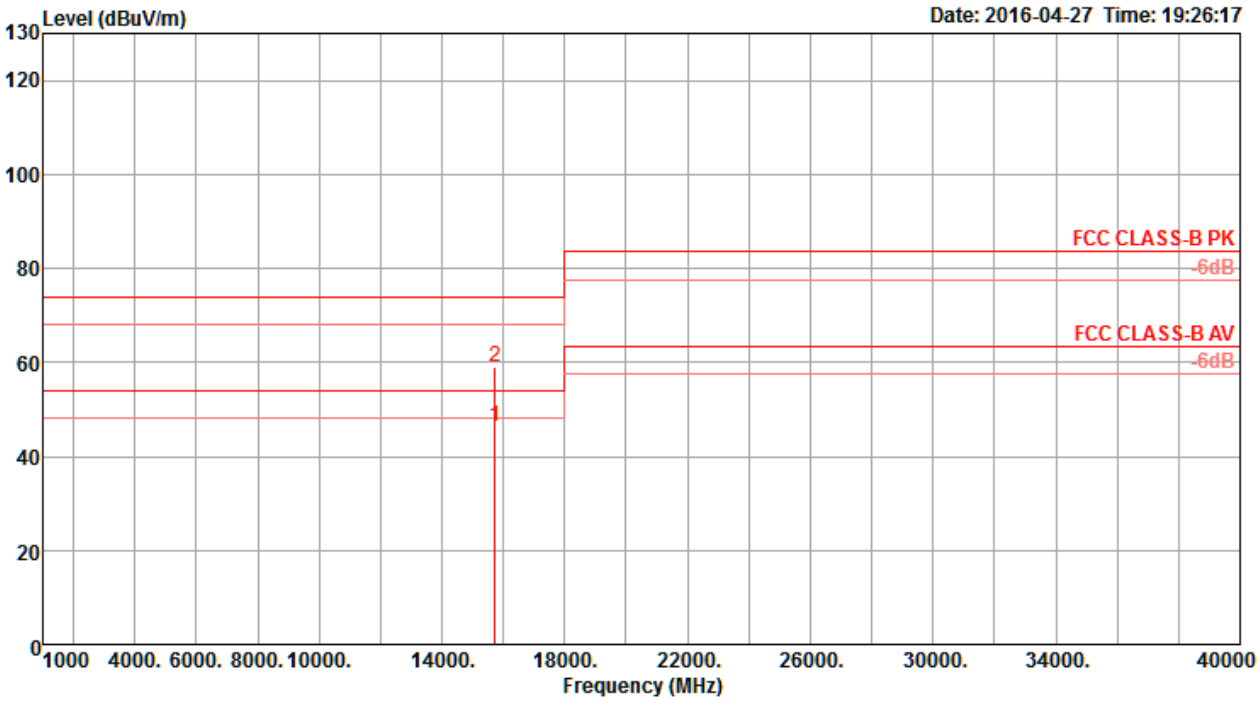
| Temperature | 22℃ | Humidity | 56% |
|---|---|---|---|
| Test Engineer | Nyle Chang & Peter Wu & Gary Chu & DK Chang & Eddie Weng & Stim Song & Brain Sun | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 48 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Mode | Mode 1 | | |

*Horizontal*




| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 15715.28 | 45.76 | 54.00 | -8.24 | 30.88 | 11.27 | 38.42 | 34.81 | 219 | 276 | Average | HORIZONTAL |
| 2 | 15720.24 | 58.97 | 74.00 | -15.03 | 44.09 | 11.27 | 38.42 | 34.81 | 219 | 276 | Peak | HORIZONTAL |

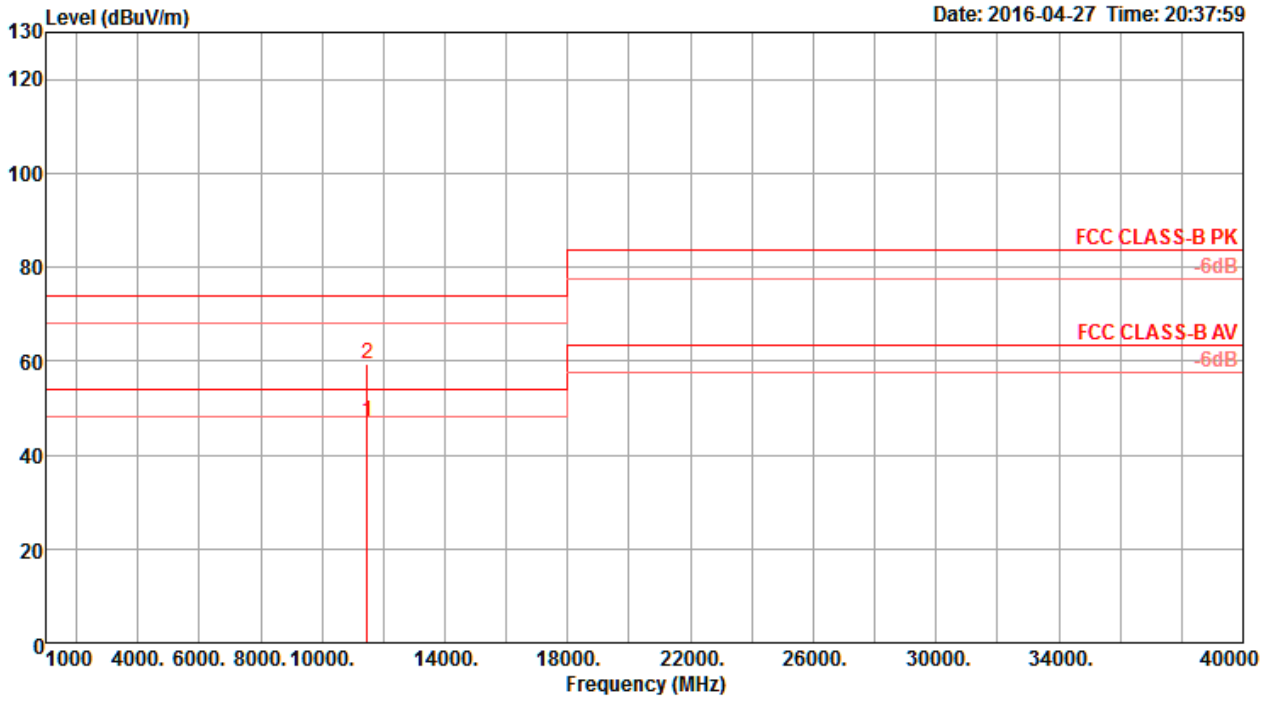
*Vertical*




| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 15715.60 | 46.43 | 54.00 | -7.57 | 31.55 | 11.27 | 38.42 | 34.81 | 41 | 316 | Average | VERTICAL |
| 2 | 15718.52 | 59.11 | 74.00 | -14.89 | 44.23 | 11.27 | 38.42 | 34.81 | 41 | 316 | Peak | VERTICAL |

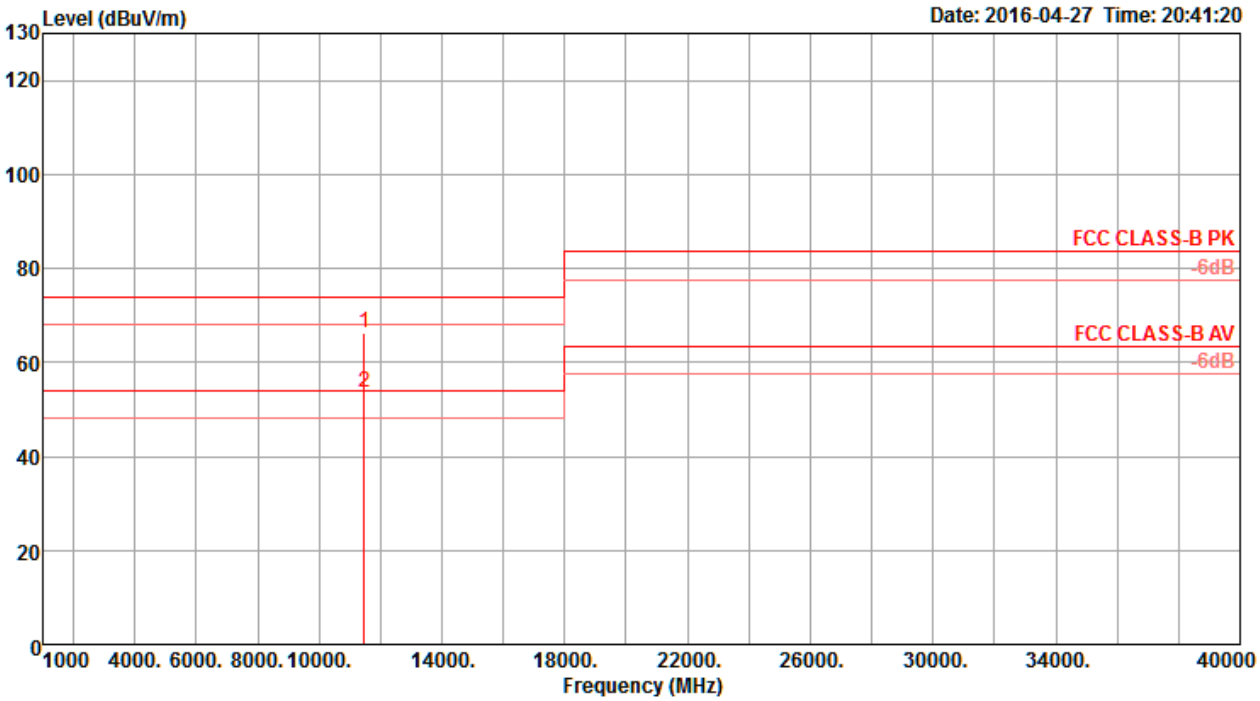
| Temperature | 22℃ | Humidity | 56% |
|---|---|---|---|
| Test Engineer | Nyle Chang & Peter Wu & Gary Chu & DK Chang & Eddie Weng & Stim Song & Brain Sun | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 149 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Mode | Mode 1 | | |

*Horizontal*




| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 11482.70 | 47.07 | 54.00 | -6.93 | 33.57 | 9.62 | 38.50 | 34.62 | 68 | 204 | Average | HORIZONTAL |
| 2 | 11482.90 | 59.42 | 74.00 | -14.58 | 45.92 | 9.62 | 38.50 | 34.62 | 68 | 204 | Peak | HORIZONTAL |

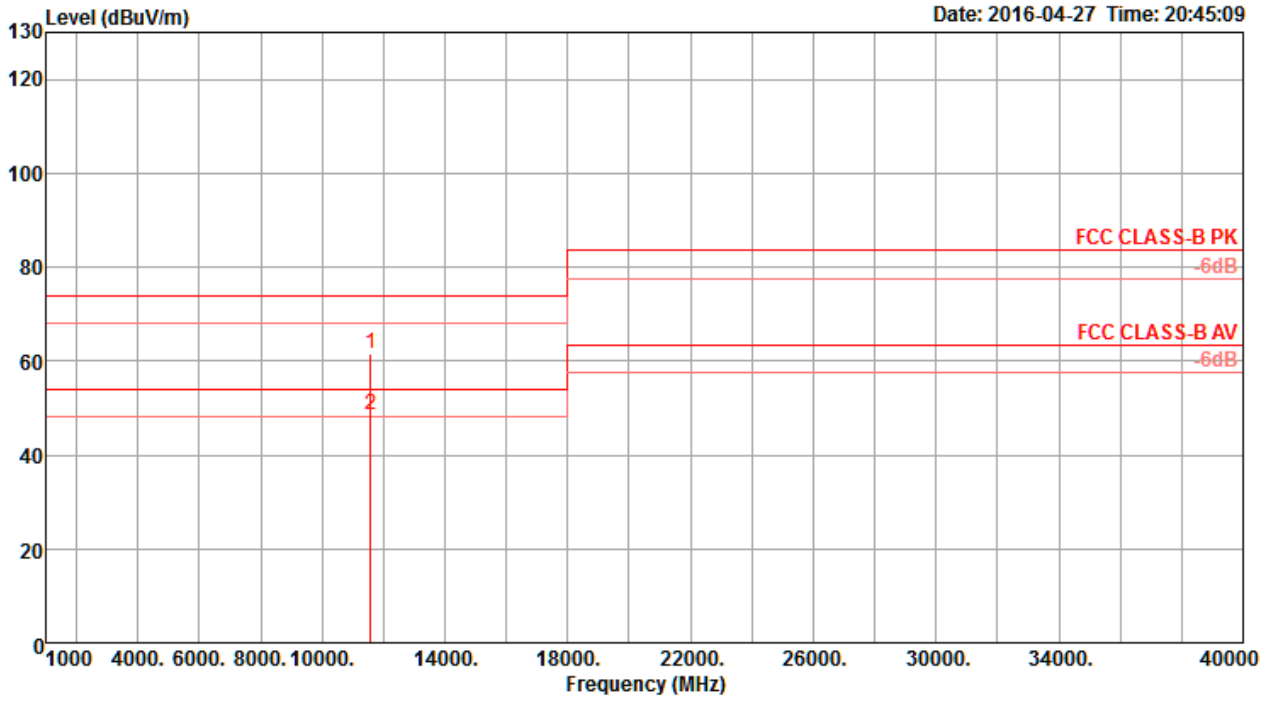
*Vertical*




| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 11481.90 | 66.09 | 74.00 | -7.91 | 52.59 | 9.62 | 38.50 | 34.62 | 32 | 205 | Peak | VERTICAL |
| 2 | 11482.70 | 53.71 | 54.00 | -0.29 | 40.21 | 9.62 | 38.50 | 34.62 | 32 | 205 | Average | VERTICAL |

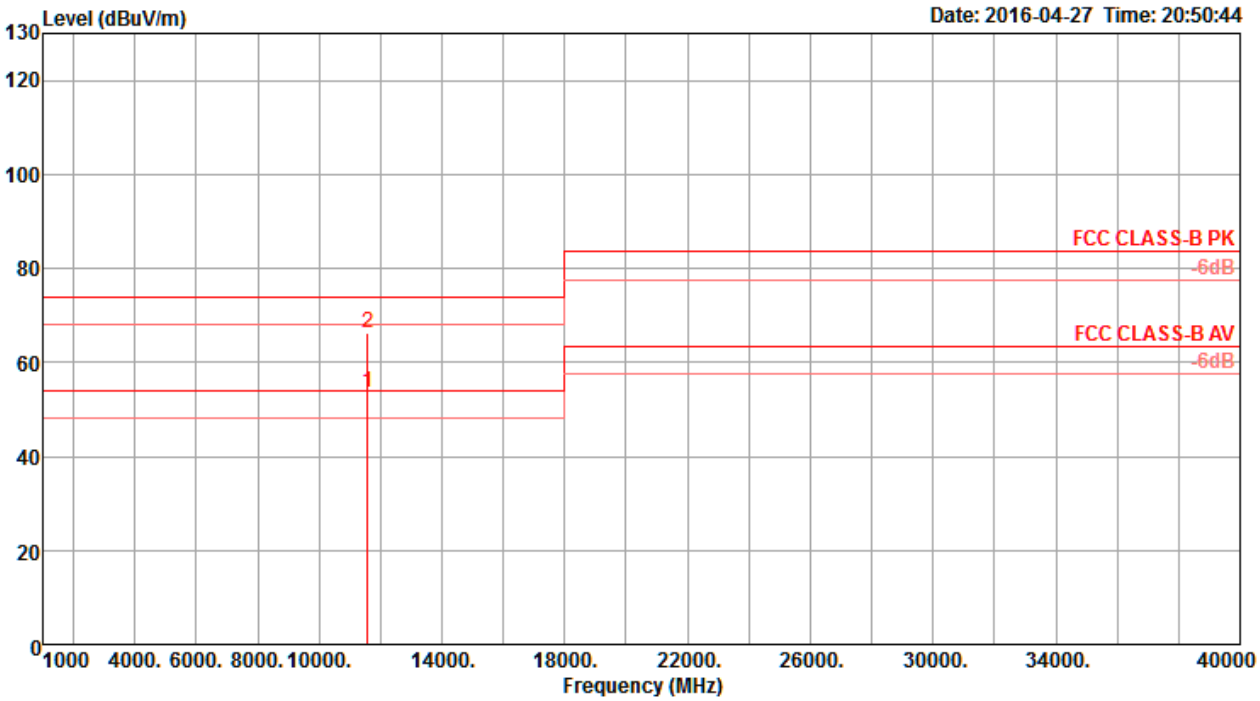
| Temperature | 22℃ | Humidity | 56% |
|---|---|---|---|
| Test Engineer | Nyle Chang & Peter Wu & Gary Chu & DK Chang & Eddie Weng & Stim Song & Brain Sun | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 157 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Mode | Mode 1 | | |

*Horizontal*




| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 11566.08 | 61.62 | 74.00 | -12.38 | 48.13 | 9.61 | 38.53 | 34.65 | 223 | 198 | Peak | HORIZONTAL |
| 2 | 11566.48 | 48.53 | 54.00 | -5.47 | 35.04 | 9.61 | 38.53 | 34.65 | 223 | 198 | Average | HORIZONTAL |

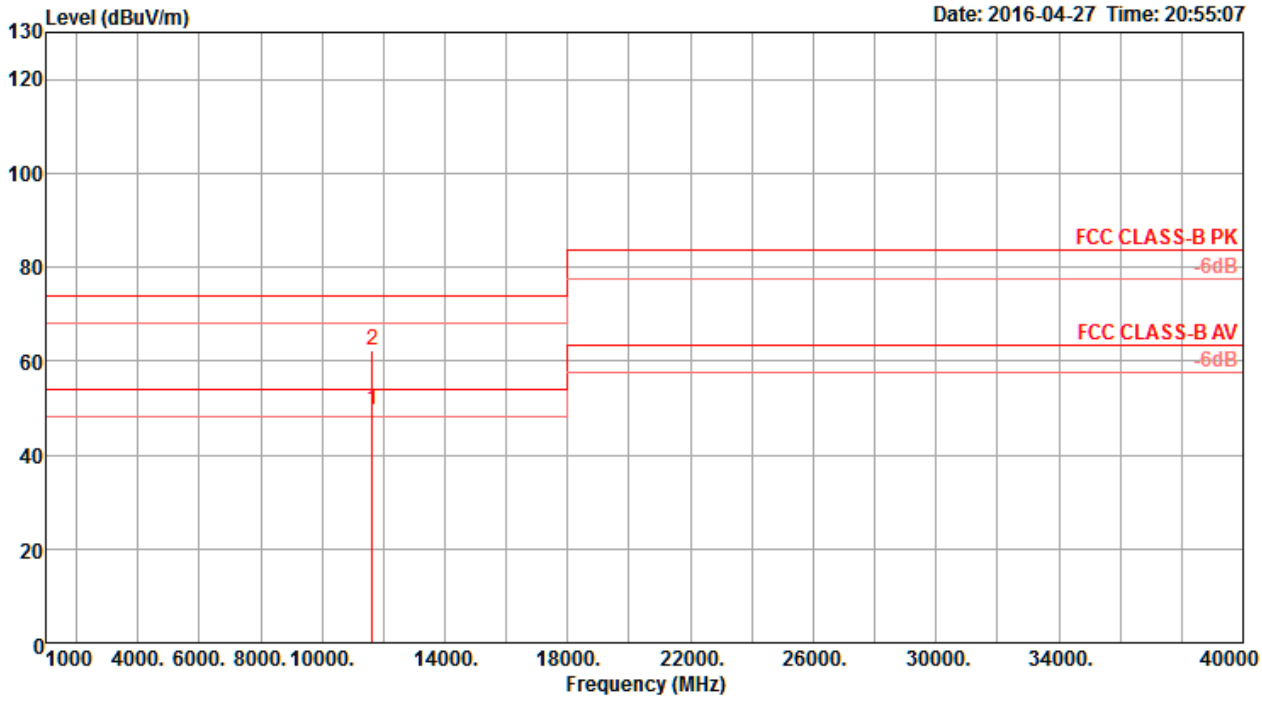
*Vertical*




| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 11567.76 | 53.42 | 54.00 | -0.58 | 39.93 | 9.61 | 38.53 | 34.65 | 199 | 244 | Average | VERTICAL |
| 2 | 11568.08 | 66.23 | 74.00 | -7.77 | 52.74 | 9.61 | 38.53 | 34.65 | 199 | 244 | Peak | VERTICAL |

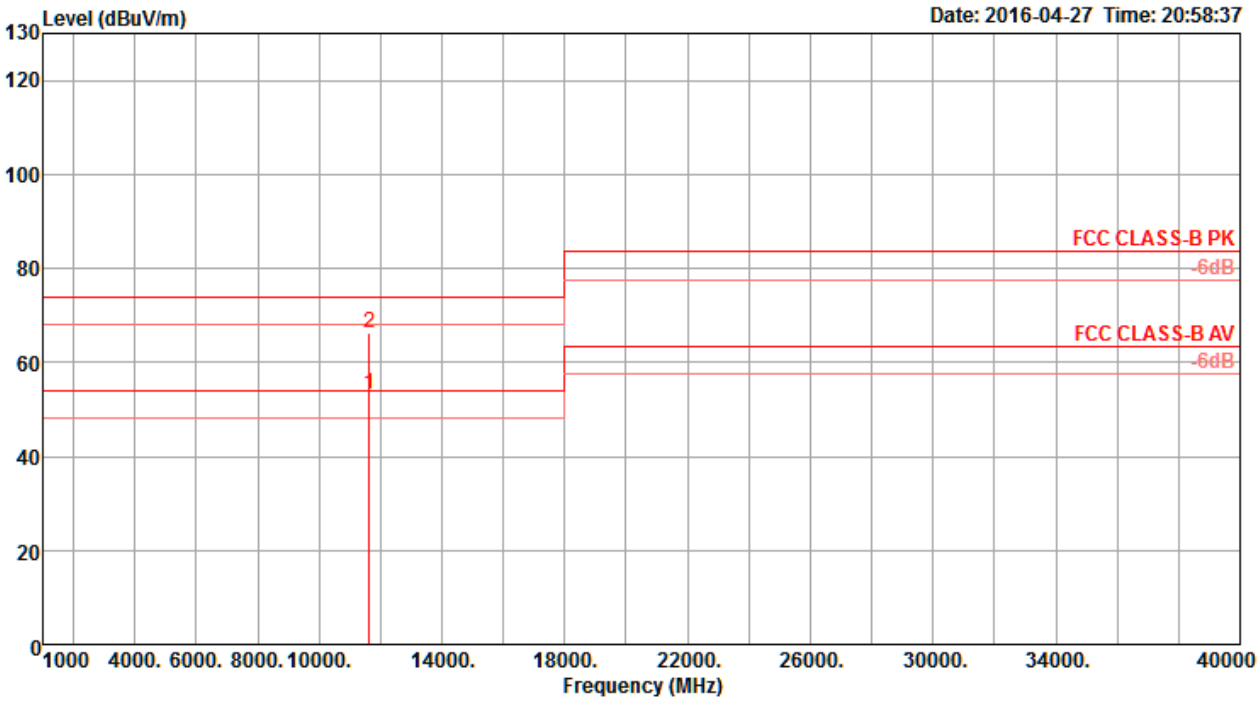
| Temperature | 22℃ | Humidity | 56% |
|---|---|---|---|
| Test Engineer | Nyle Chang & Peter Wu & Gary Chu & DK Chang & Eddie Weng & Stim Song & Brain Sun | Configurations | IEEE 802.11ac MCS0/Nss1 VHT20 CH 165 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Mode | Mode 1 | | |

*Horizontal*




| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 11646.88 | 49.55 | 54.00 | -4.45 | 36.08 | 9.60 | 38.55 | 34.68 | 122 | 206 | Average | HORIZONTAL |
| 2 | 11647.36 | 62.28 | 74.00 | -11.72 | 48.81 | 9.60 | 38.55 | 34.68 | 122 | 206 | Peak | HORIZONTAL |

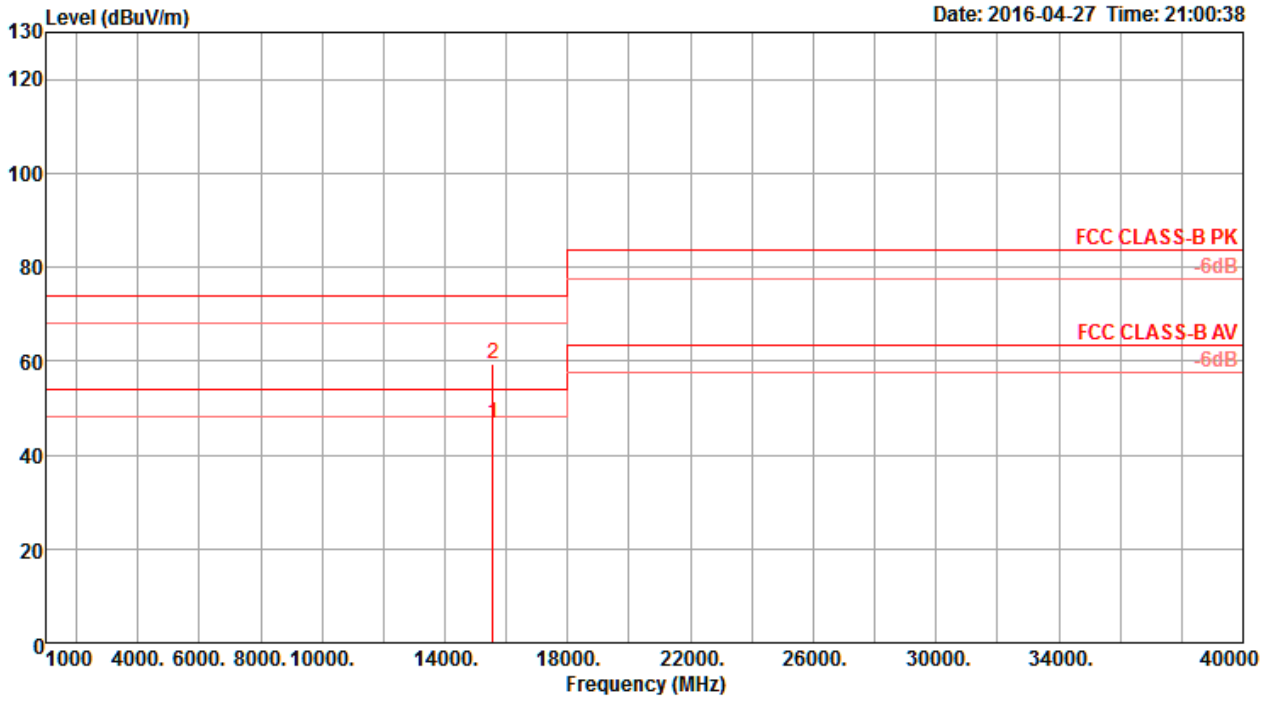
*Vertical*




| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 11647.12 | 53.24 | 54.00 | -0.76 | 39.77 | 9.60 | 38.55 | 34.68 | 205 | 200 | Average | VERTICAL |
| 2 | 11648.16 | 66.35 | 74.00 | -7.65 | 52.88 | 9.60 | 38.55 | 34.68 | 205 | 200 | Peak | VERTICAL |

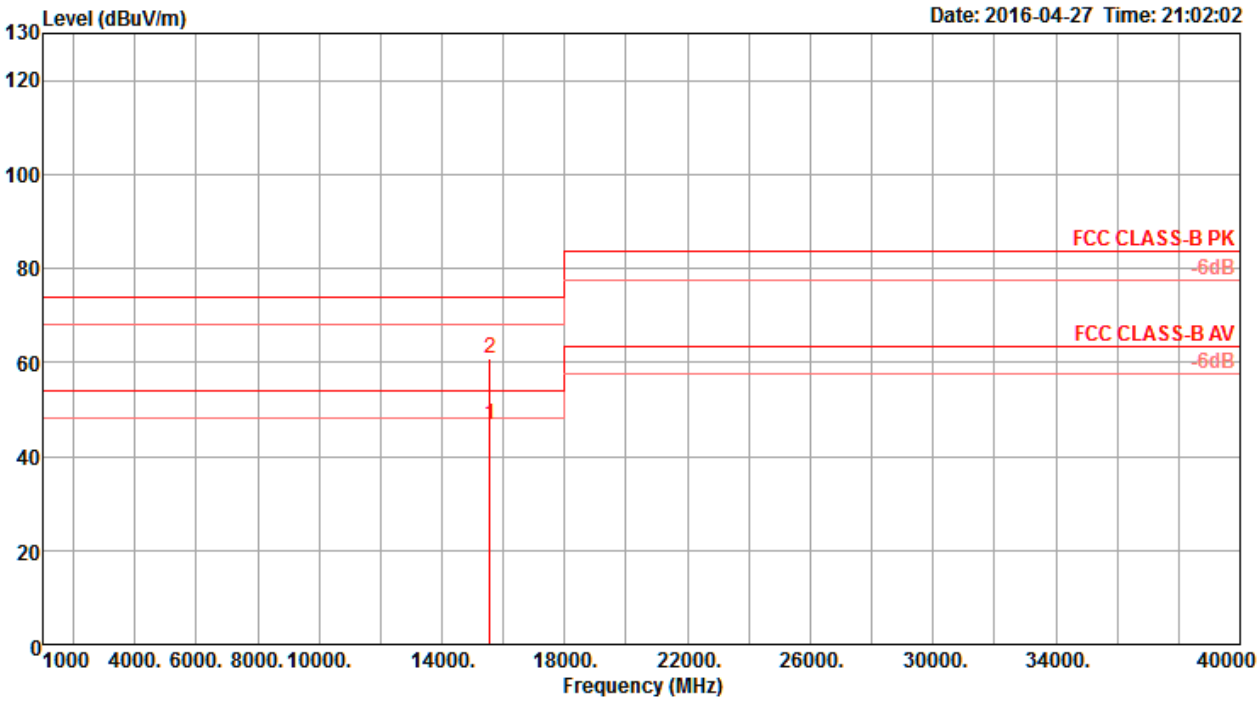
| Temperature | 22℃ | Humidity | 56% |
|---|---|---|---|
| Test Engineer | Nyle Chang & Peter Wu & Gary Chu & DK Chang & Eddie Weng & Stim Song & Brain Sun | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 38 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Mode | Mode 1 | | |

*Horizontal*




| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 15561.44 | 46.62 | 54.00 | -7.38 | 31.83 | 11.24 | 38.23 | 34.68 | 141 | 228 | Average | HORIZONTAL |
| 2 | 15562.16 | 59.30 | 74.00 | -14.70 | 44.51 | 11.24 | 38.23 | 34.68 | 141 | 228 | Peak | HORIZONTAL |

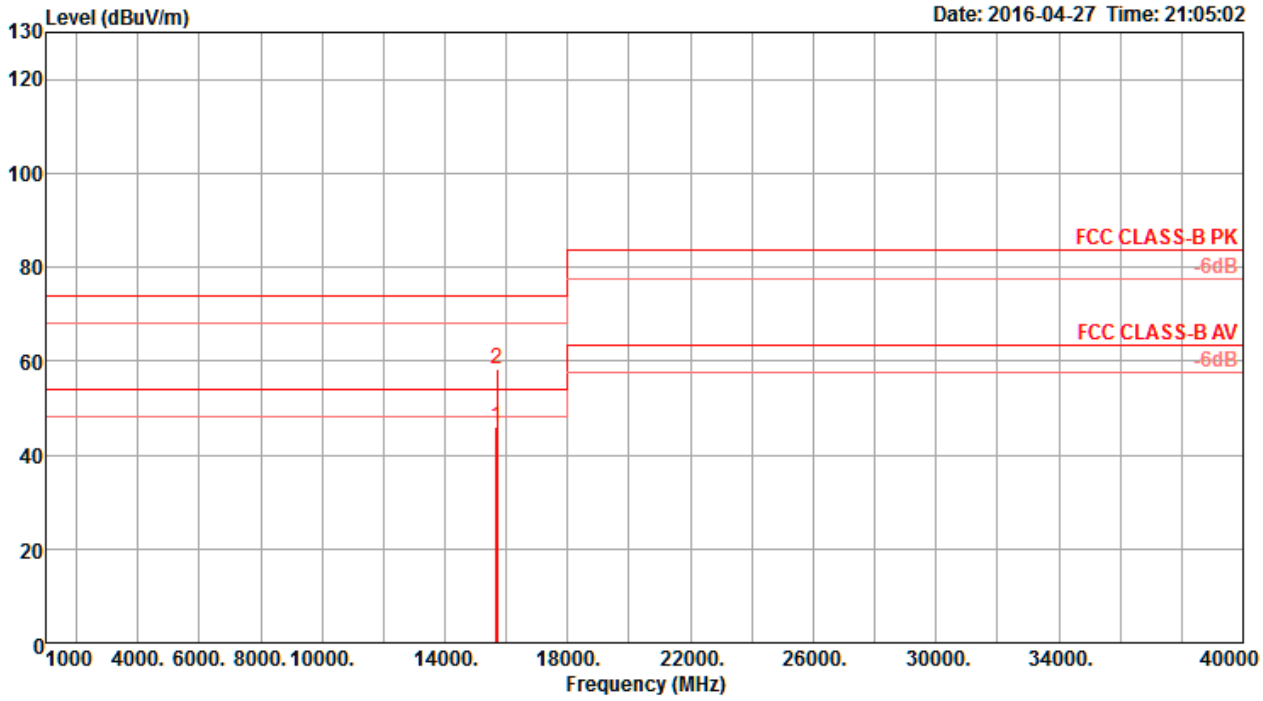
*Vertical*




| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 15560.64 | 46.58 | 54.00 | -7.42 | 31.79 | 11.24 | 38.23 | 34.68 | 250 | 280 | Average | VERTICAL |
| 2 | 15561.36 | 60.83 | 74.00 | -13.17 | 46.04 | 11.24 | 38.23 | 34.68 | 250 | 280 | Peak | VERTICAL |

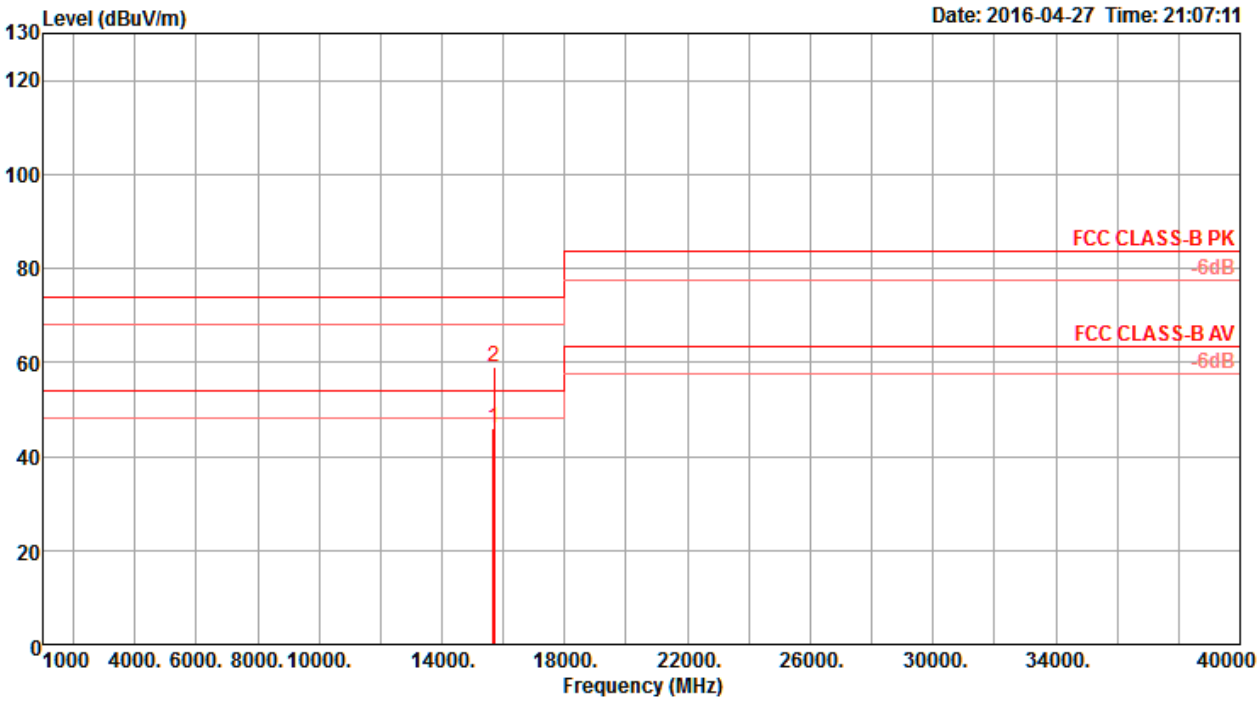
| Temperature | 22℃ | Humidity | 56% |
|---|---|---|---|
| Test Engineer | Nyle Chang & Peter Wu & Gary Chu & DK Chang & Eddie Weng & Stim Song & Brain Sun | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 46 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Mode | Mode 1 | | |

*Horizontal*




| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 15677.76 | 45.85 | 54.00 | -8.15 | 31.01 | 11.26 | 38.35 | 34.77 | 223 | 220 | Average | HORIZONTAL |
| 2 | 15689.52 | 58.39 | 74.00 | -15.61 | 43.55 | 11.26 | 38.35 | 34.77 | 223 | 220 | Peak | HORIZONTAL |

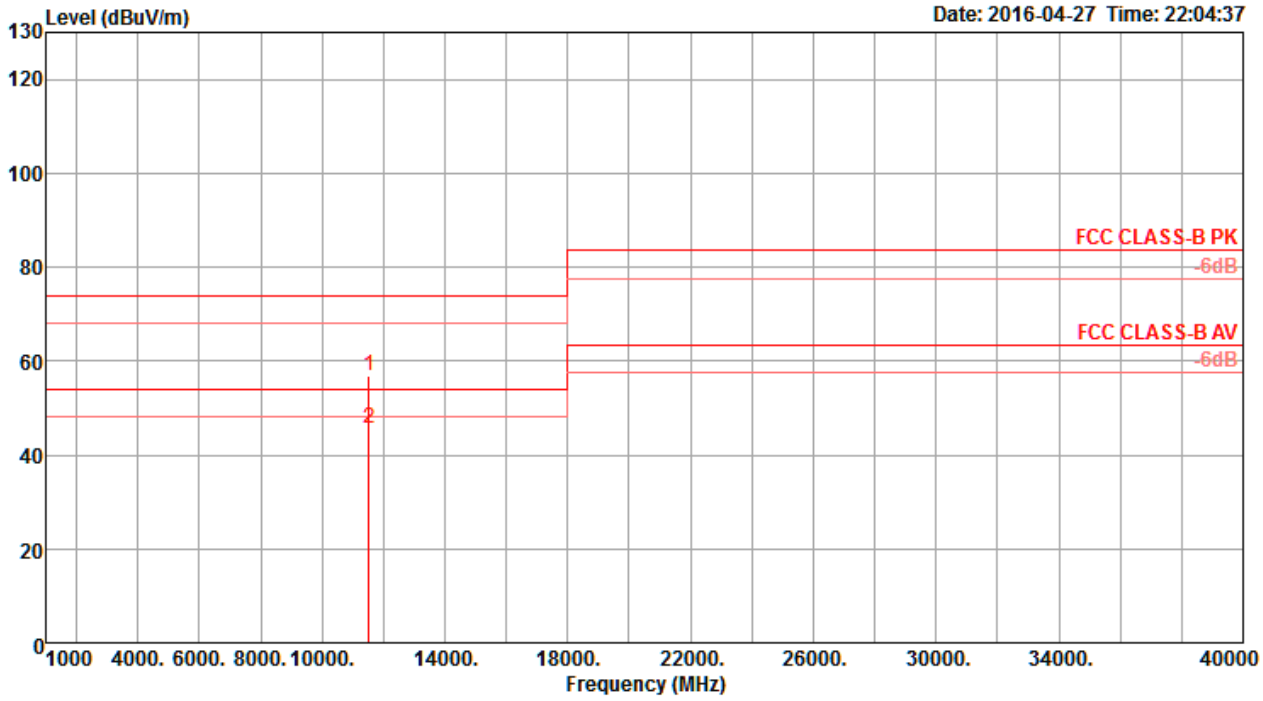
*Vertical*




| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 15681.60 | 45.86 | 54.00 | -8.14 | 31.02 | 11.26 | 38.35 | 34.77 | 101 | 217 | Average | VERTICAL |
| 2 | 15709.84 | 58.93 | 74.00 | -15.07 | 44.01 | 11.27 | 38.42 | 34.77 | 101 | 217 | Peak | VERTICAL |

| Temperature | 22℃ | Humidity | 56% |
|---|---|---|---|
| Test Engineer | Nyle Chang & Peter Wu & Gary Chu & DK Chang & Eddie Weng & Stim Song & Brain Sun | Configurations | IEEE 802.11ac MCS0/Nss1 VHT40 CH 151 / Chain 1 + Chain 2 + Chain 3 + Chain 4 |
| Test Mode | Mode 1 | | |

*Horizontal*




| | Freq | Level | Limit Line | Over Limit | Read Level | Cable Loss | Antenna Factor | Preamp Factor | T/Pos | A/Pos | Remark | Pol/Phase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | dB/m | dB | deg | cm | | |
| 1 | 11520.72 | 56.85 | 74.00 | -17.15 | 43.36 | 9.61 | 38.51 | 34.63 | 70 | 224 | Peak | HORIZONTAL |
| 2 | 11522.16 | 45.46 | 54.00 | -8.54 | 31.97 | 9.61 | 38.51 | 34.63 | 70 | 224 | Average | HORIZONTAL |