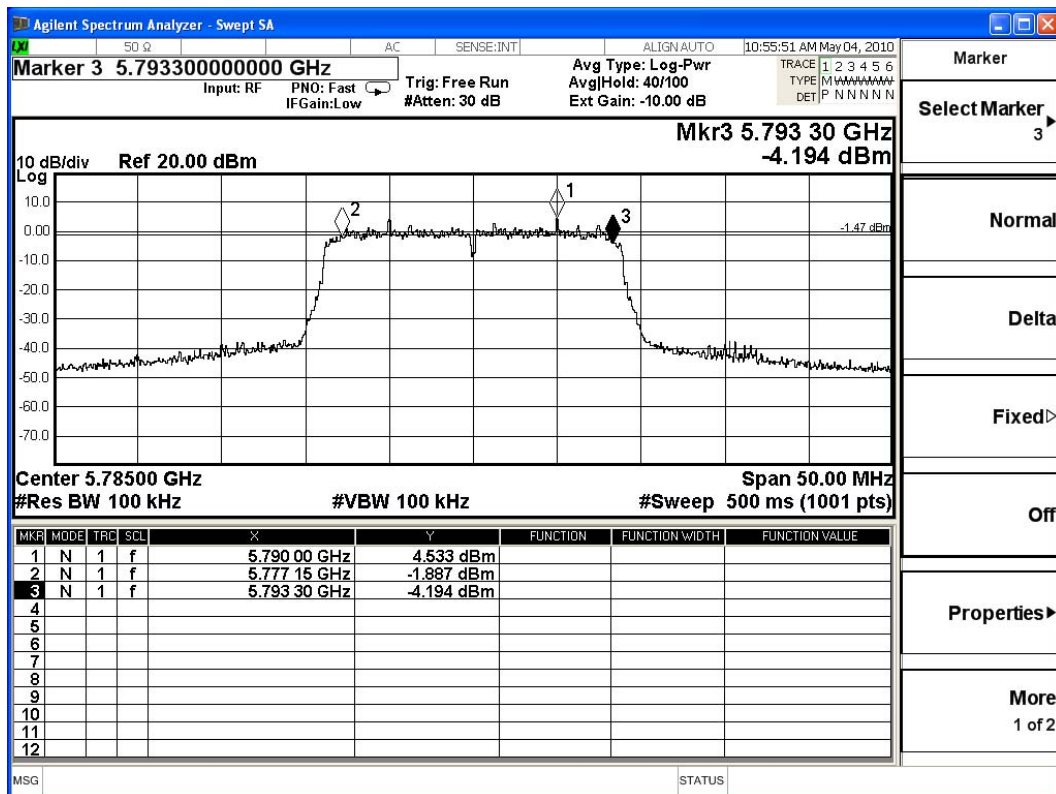


Product : ROS Video DMA
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 6: Transmitter - 802.11n-20BW_13Mbps(5G Band) (5785MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
157(13Mbps)	5785.00	16150	>500	Pass

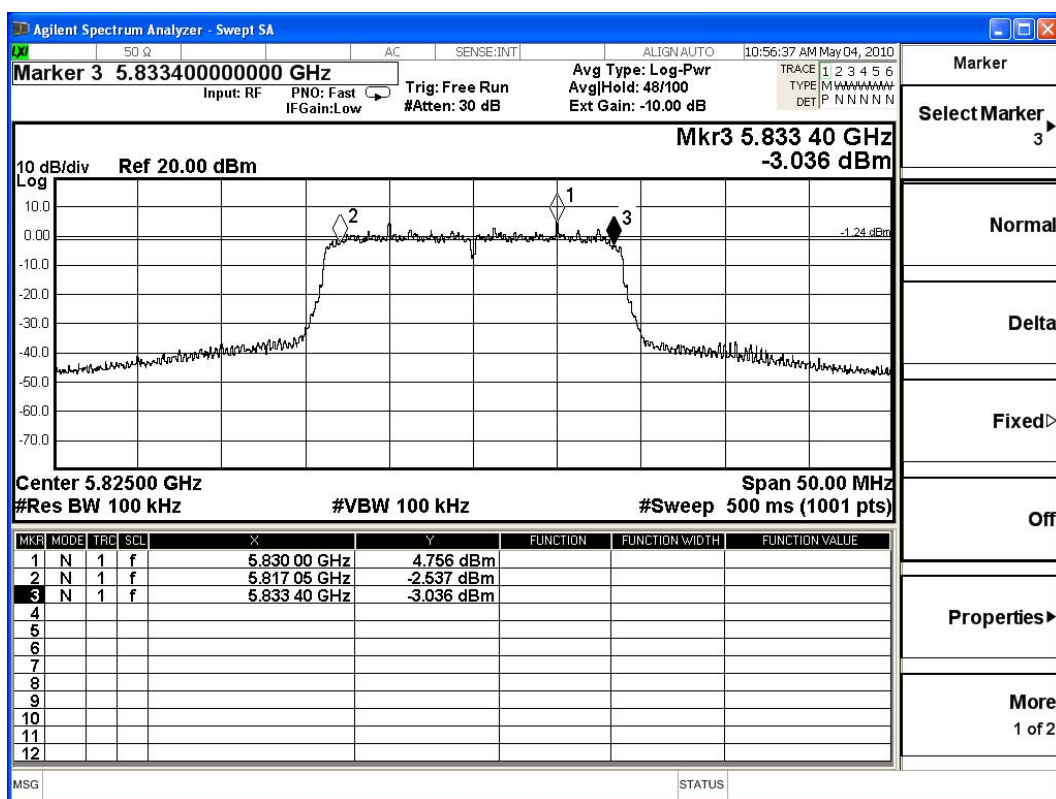
Figure Channel 157:



Product : ROS Video DMA
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 6: Transmitter - 802.11n-20BW_13Mbps(5G Band) (5825MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
165(13Mbps)	5825.00	16350	>500	Pass

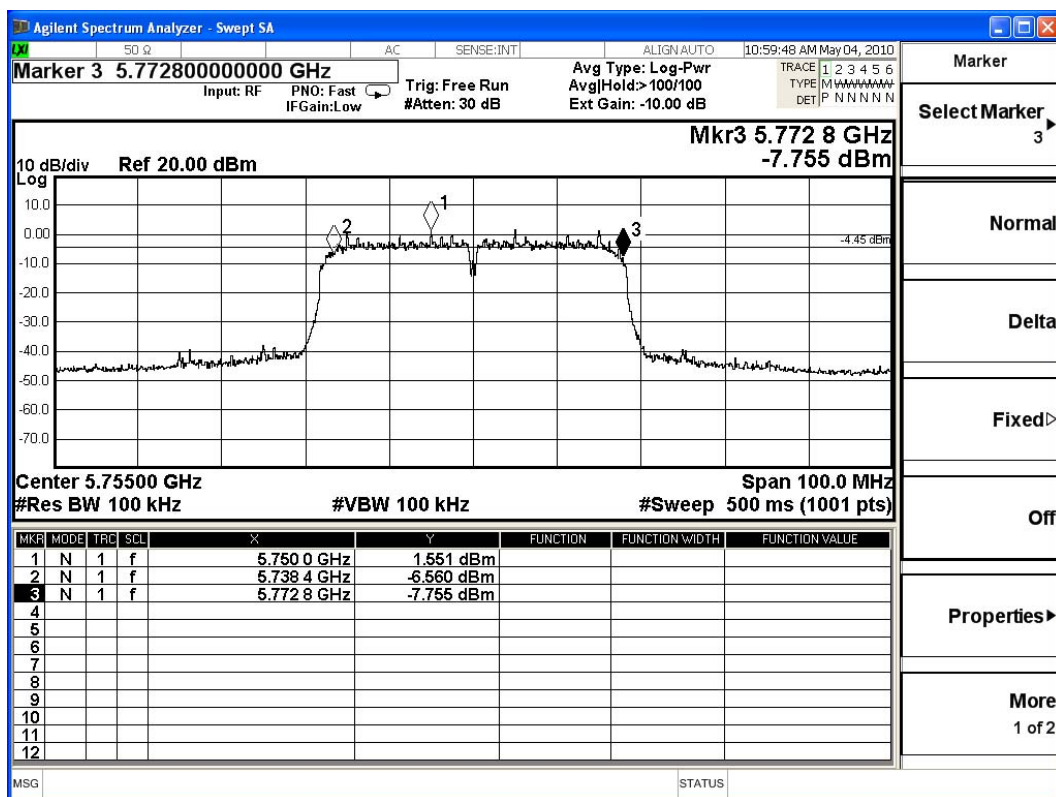
Figure Channel 165:



Product : ROS Video DMA
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 7: Transmitter - 802.11n-40BW_27Mbps(5G Band) (5755MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
151 (27Mbps)	5755.00	34400	>500	Pass

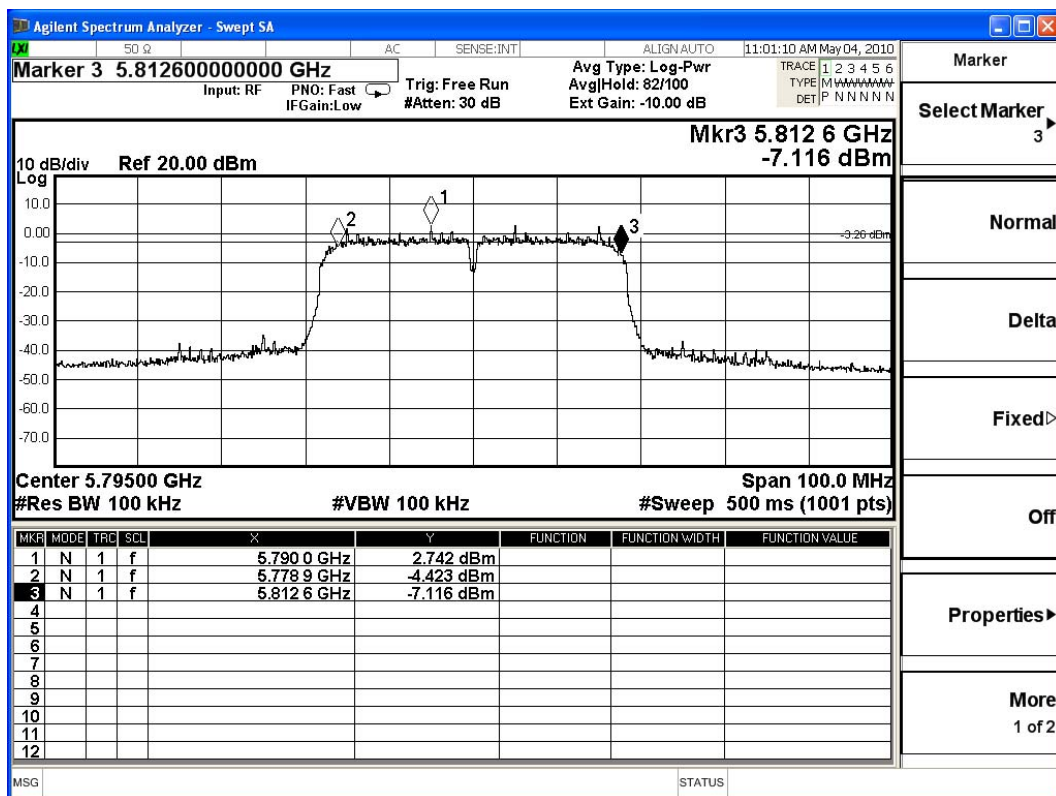
Figure Channel 151:



Product : ROS Video DMA
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 7: Transmitter - 802.11n-40BW_27Mbps(5G Band) (5795MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
159 (27Mbps)	5795.00	33700	>500	Pass

Figure Channel 159:



8. Power Density

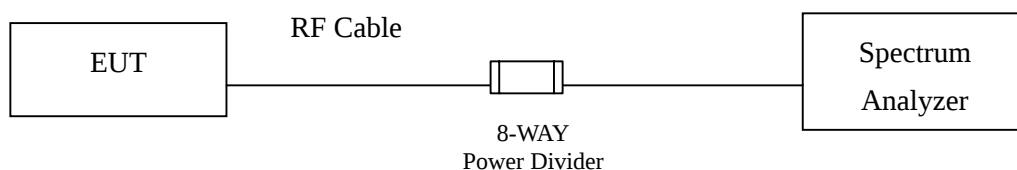
8.1. Test Equipment

	Equipment	Manufacturer	Model No./Serial No.	Last Cal.
	Spectrum Analyzer	R&S	FSP40 / 100170	Jun, 2009
	Spectrum Analyzer	Agilent	E4407B / US39440758	Jun, 2009
X	Spectrum Analyzer	Agilent	N9010A / MY48030495	Apr., 2010
X	8-WAY Power Divider	JFW	50PD-647 / 526770 0916	Apr., 2010

Note:

1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.
2. The test instruments marked with “X” are used to measure the final test results.
3. The power combiner is used for measure 11n mode.

8.2. Test Setup



8.3. Limits

The transmitted power density averaged over any 1 second interval shall not be greater +8dBm in any 3kHz bandwidth.

8.4. Test Procedure

The EUT was setup according to ANSI C63.4, 2003; tested according to DTS test procedure of Mar. 2005 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

Set RBW= 3 kHz, VBW=10KHz, Sweep time=(SPAN/3KHz), detector=Peak detector

8.5. Uncertainty

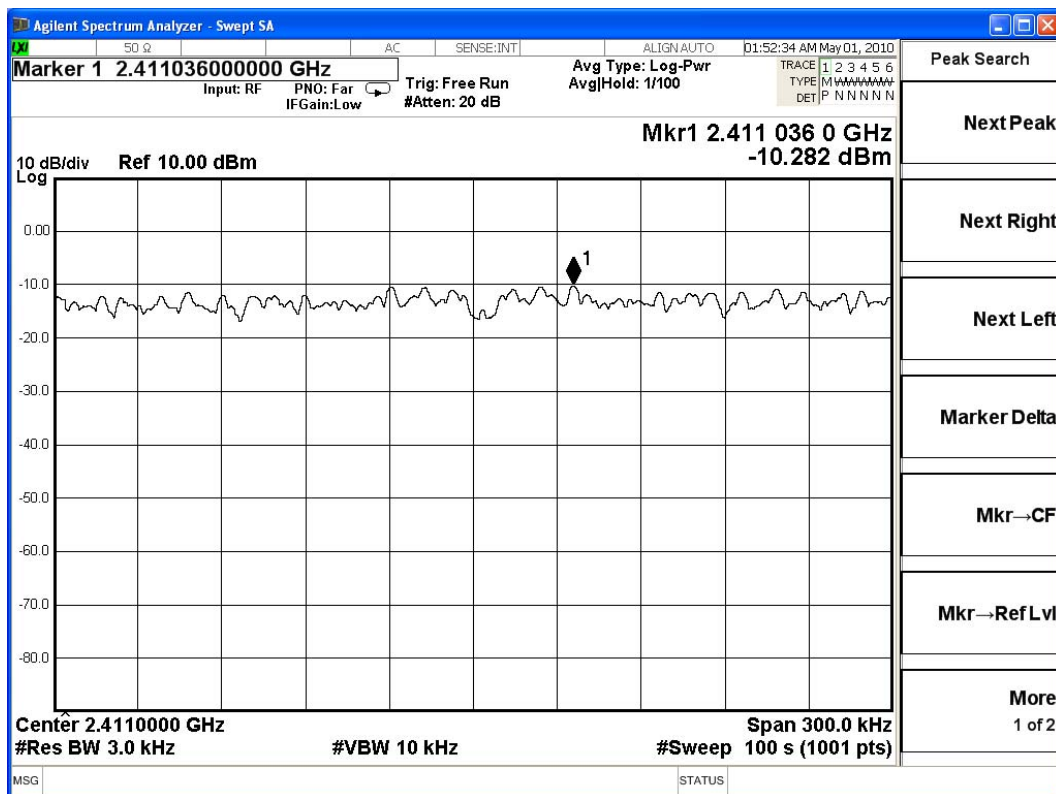
± 1.27 dB

8.6. Test Result of Power Density

Product : ROS Video DMA
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2412MHz)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1 (1Mbps)	2412.00	-10.282	< 8dBm	Pass

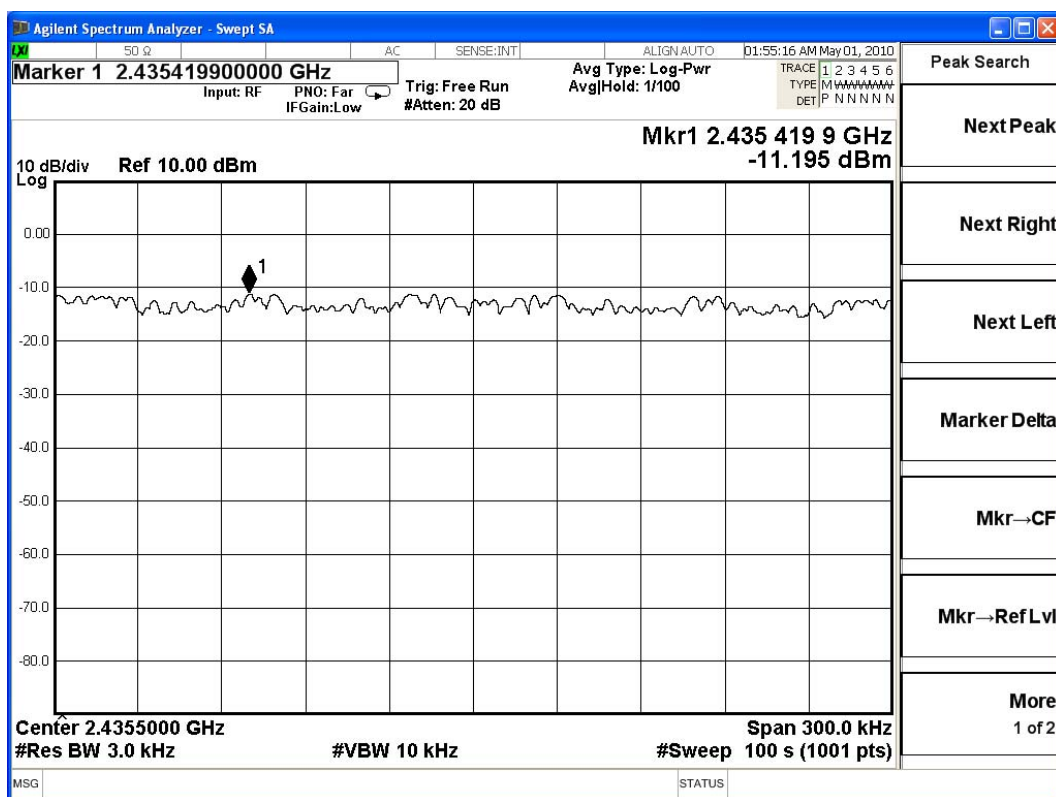
Figure Channel 1:



Product : ROS Video DMA
 Test Item : Power Density Data
 Test Site : No.3OATS
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2437MHz)

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
6 (1Mbps)	2437.000	-11.195	< 8dBm	Pass

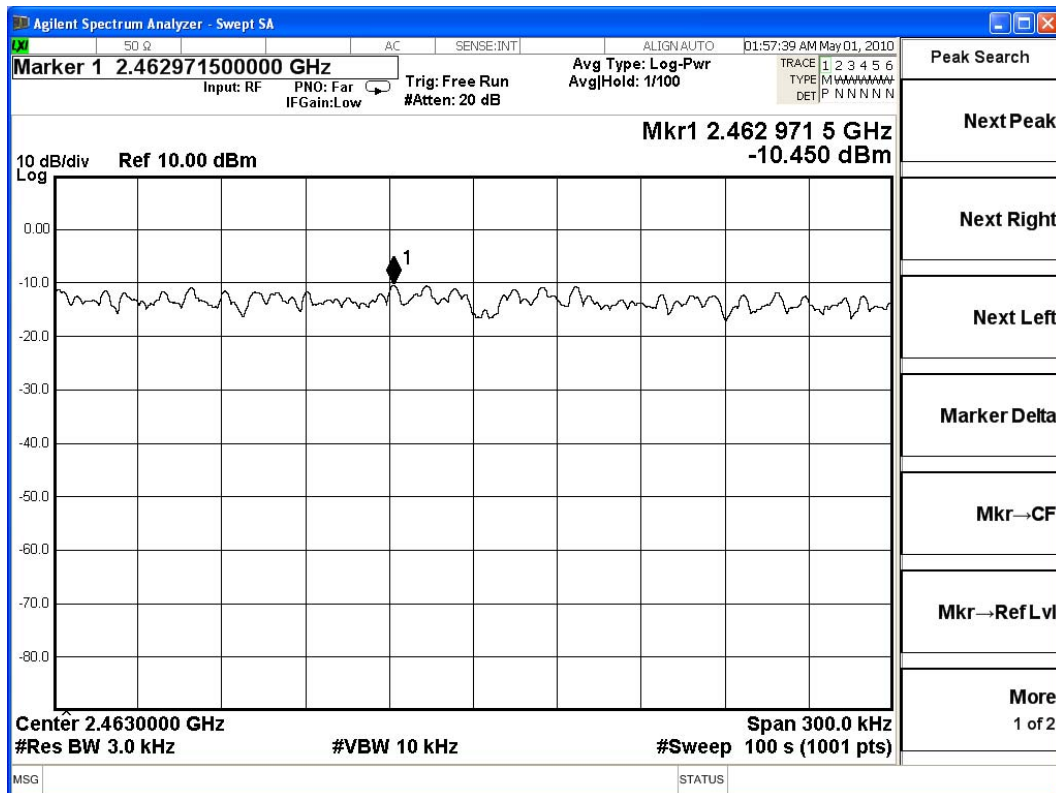
Figure Channel 6:



Product : ROS Video DMA
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2462MHz)

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
11 (1Mbps)	2462.00	-10.450	< 8dBm	Pass

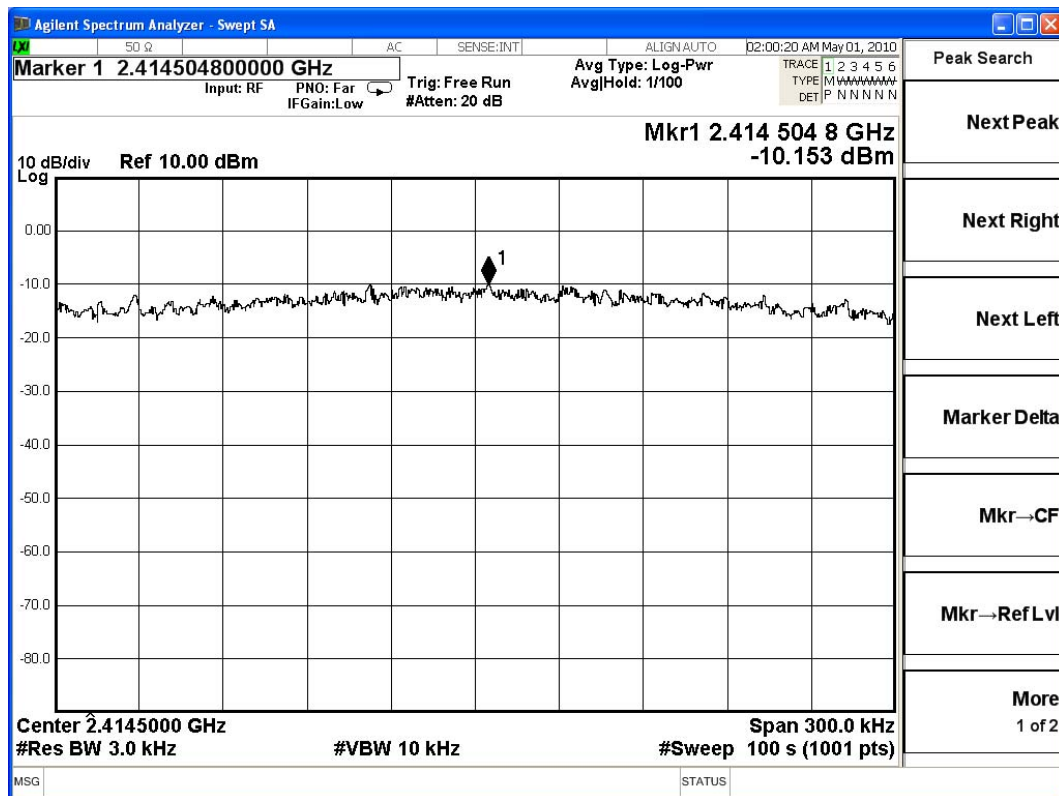
Figure Channel 11:



Product : ROS Video DMA
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2412MHz)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1 (6Mbps)	2412.00	-10.153	< 8dBm	Pass

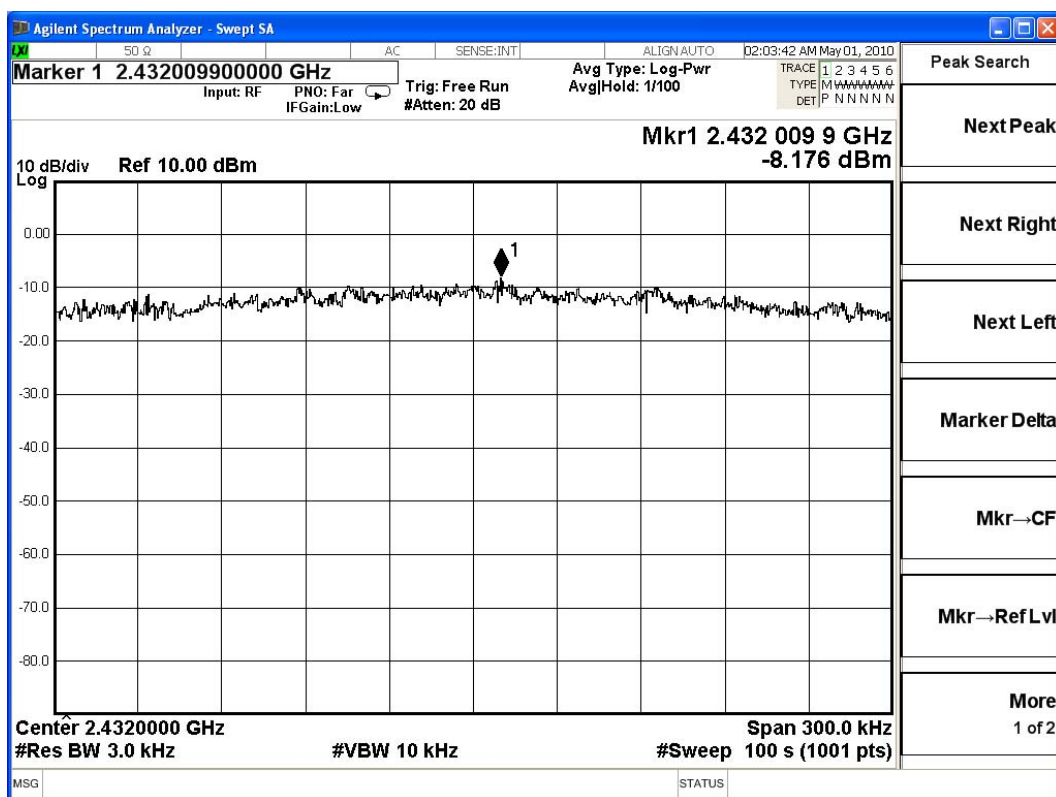
Figure Channel 1:



Product : ROS Video DMA
 Test Item : Power Density Data
 Test Site : No.3OATS
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2437MHz)

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
6 (6Mbps)	2437.000	-8.176	< 8dBm	Pass

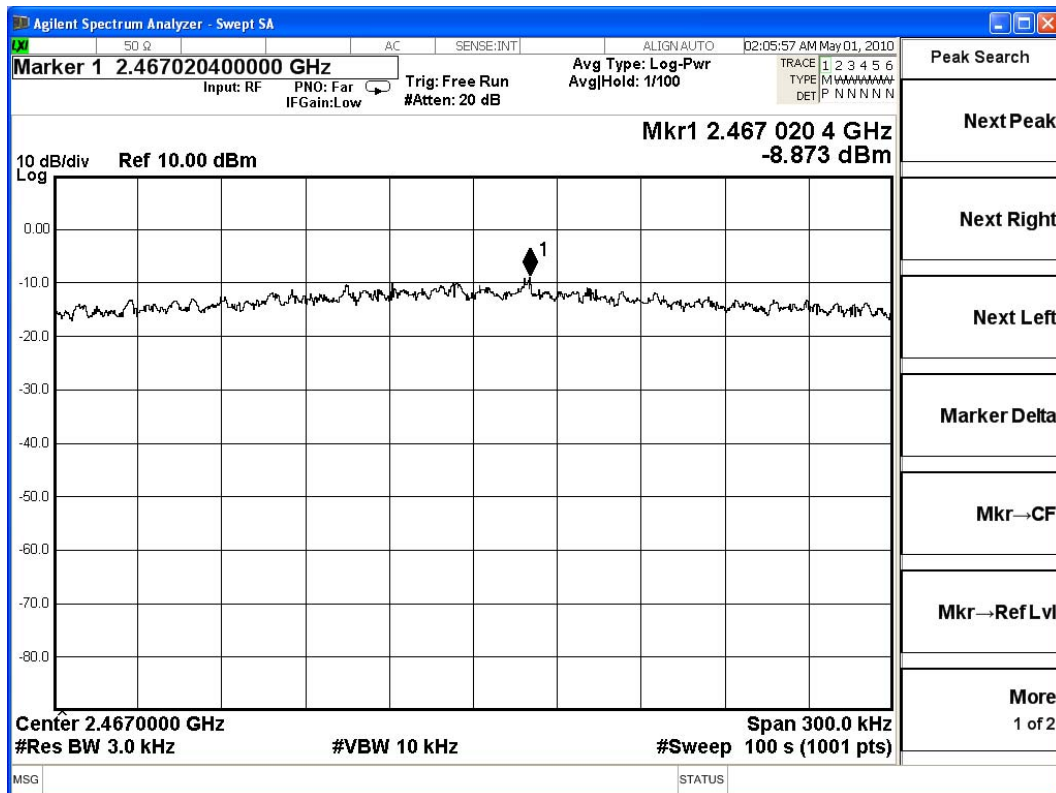
Figure Channel 6:



Product : ROS Video DMA
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2462MHz)

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
11 (6Mbps)	2462.00	-8.873	< 8dBm	Pass

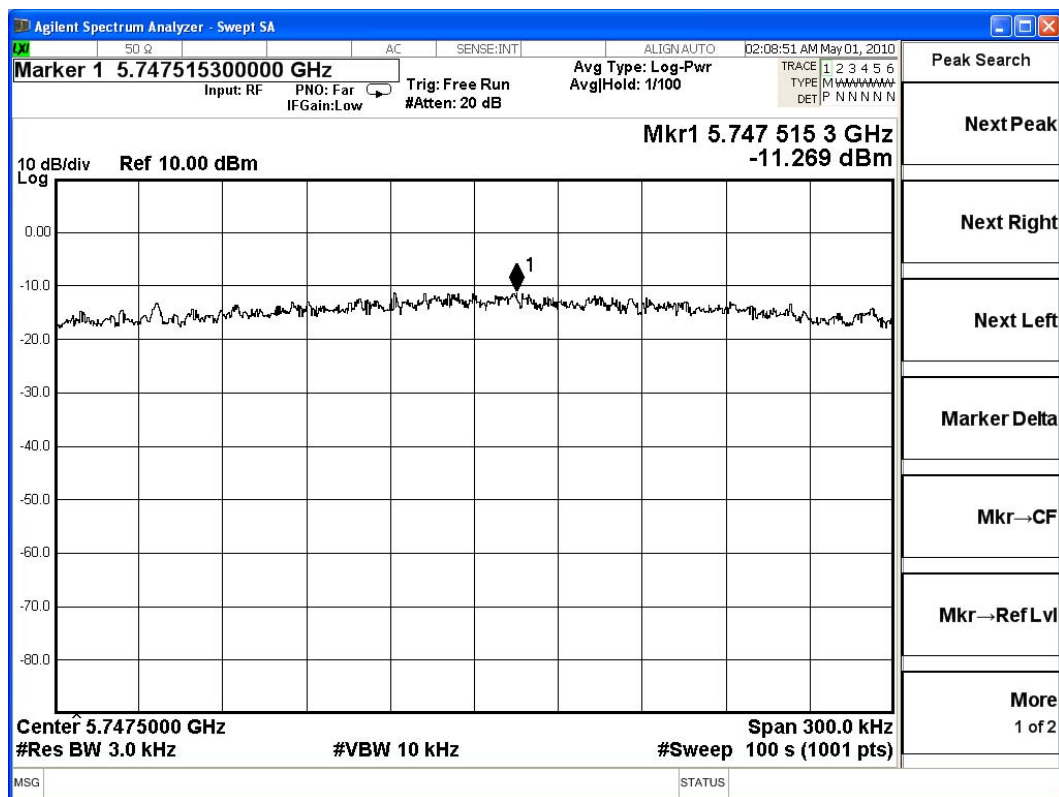
Figure Channel 11:



Product : ROS Video DMA
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmitter - 802.11a 6Mbps (5745MHz)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149 (6Mbps)	5745.000	-11.269	< 8dBm	Pass

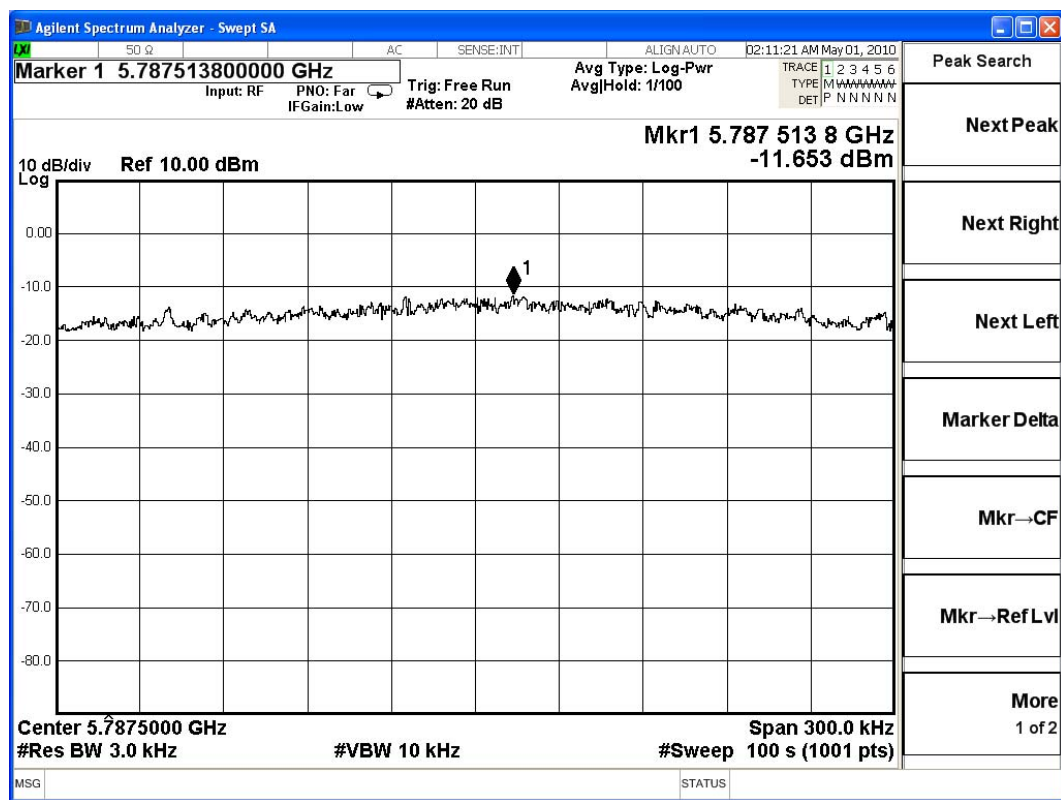
Figure Channel 149:



Product : ROS Video DMA
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmitter - 802.11a 6Mbps (5785MHz)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
157(6Mbps)	5785.000	-11.653	< 8dBm	Pass

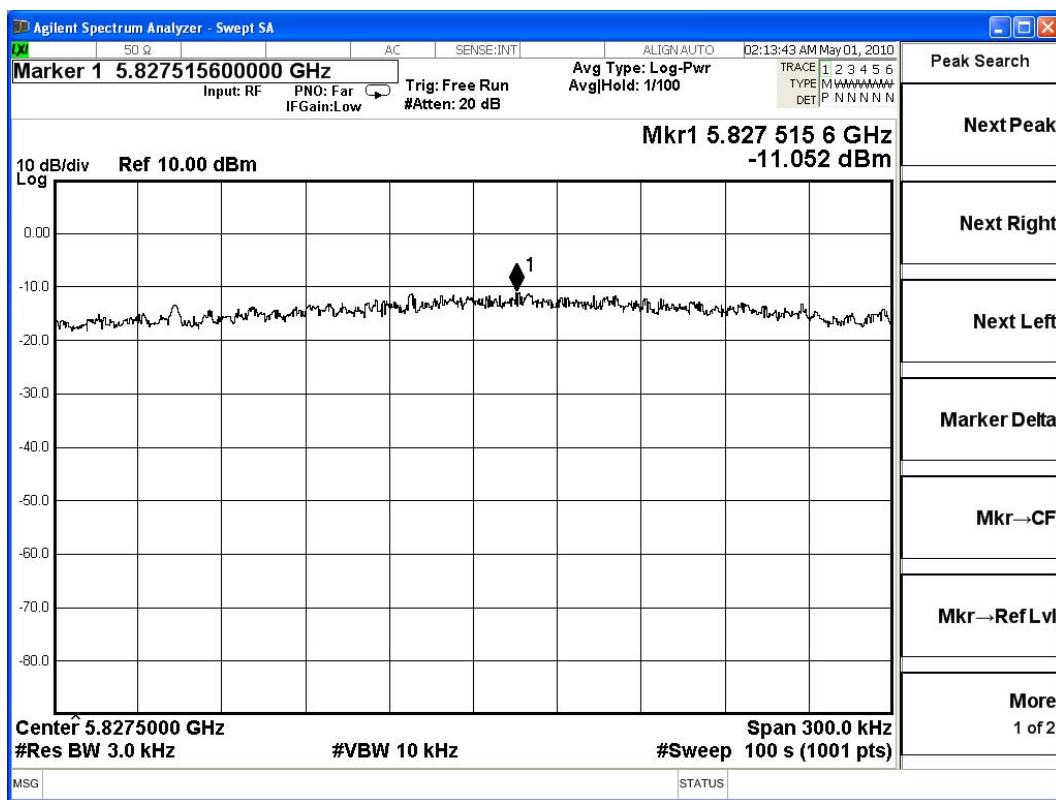
Figure Channel 157:



Product : ROS Video DMA
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmitter - 802.11a 6Mbps (5825MHz)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
165 (6Mbps)	5825.000	-11.052	< 8dBm	Pass

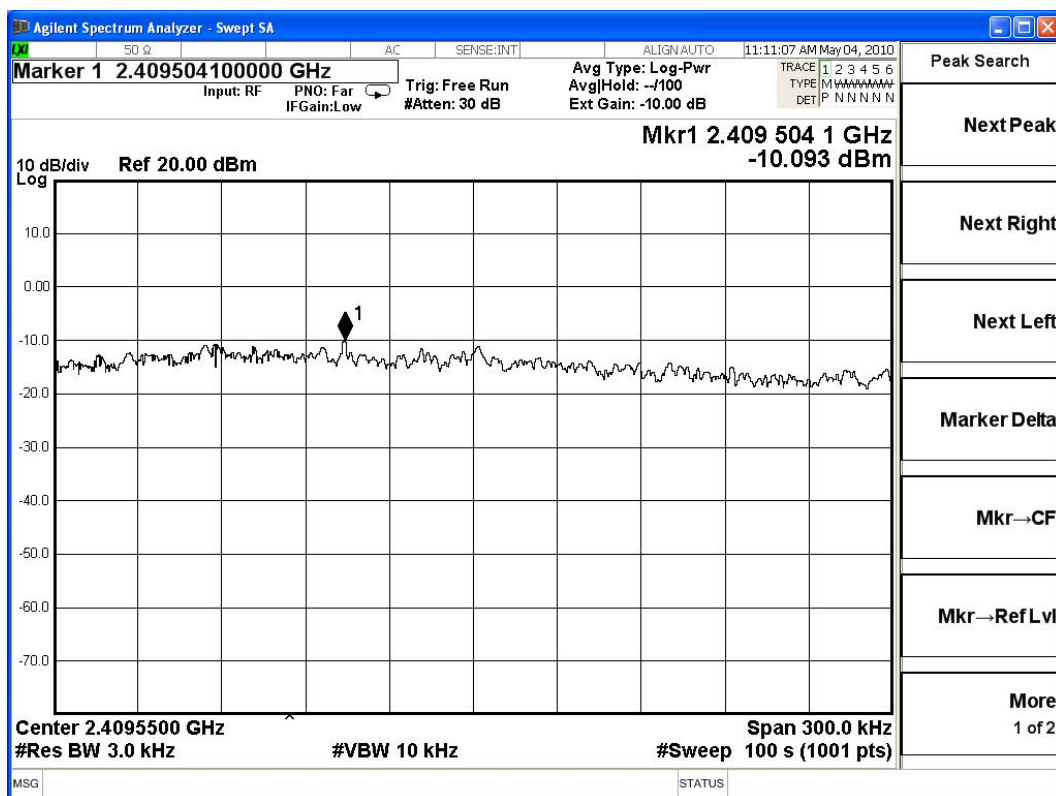
Figure Channel 165:



Product : ROS Video DMA
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmitter - 802.11n-20BW_13Mbps(2.4G Band) (2412MHz)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1 (13Mbps)	2412.00	-10.093	< 8dBm	Pass

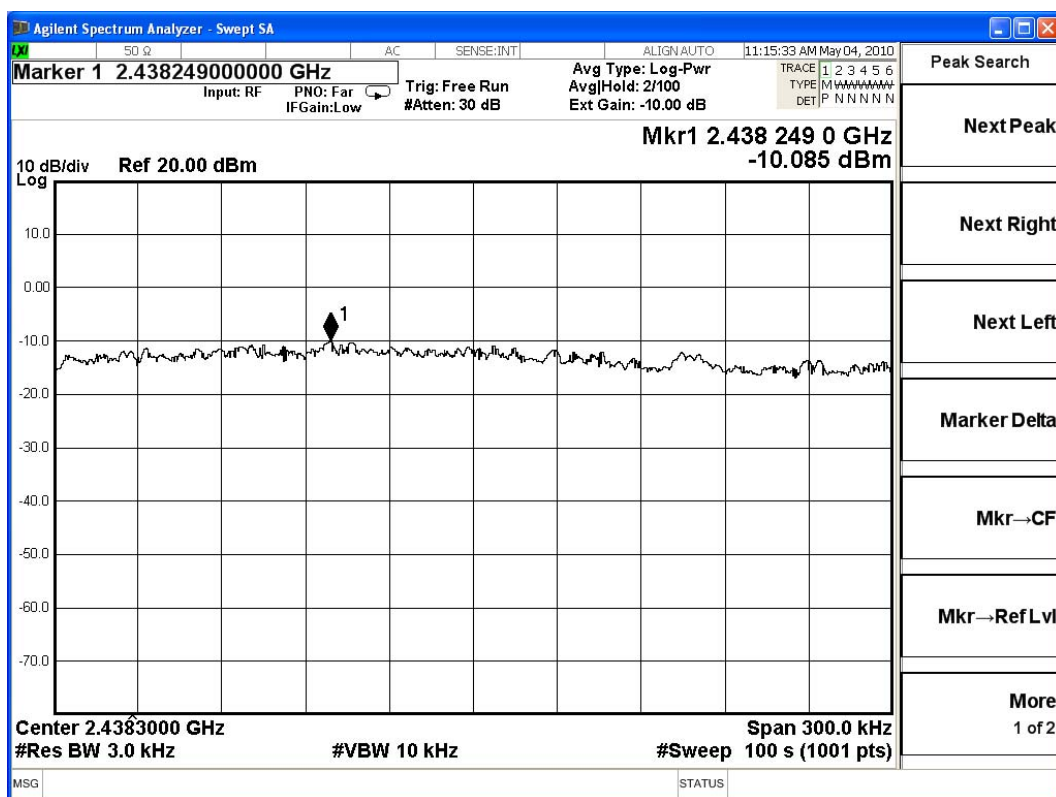
Figure Channel 1:



Product : ROS Video DMA
 Test Item : Power Density Data
 Test Site : No.3OATS
 Test Mode : Mode 4: Transmitter - 802.11n-20BW_13Mbps(2.4G Band) (2437MHz)

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
6 (13Mbps)	2437.000	-10.085	< 8dBm	Pass

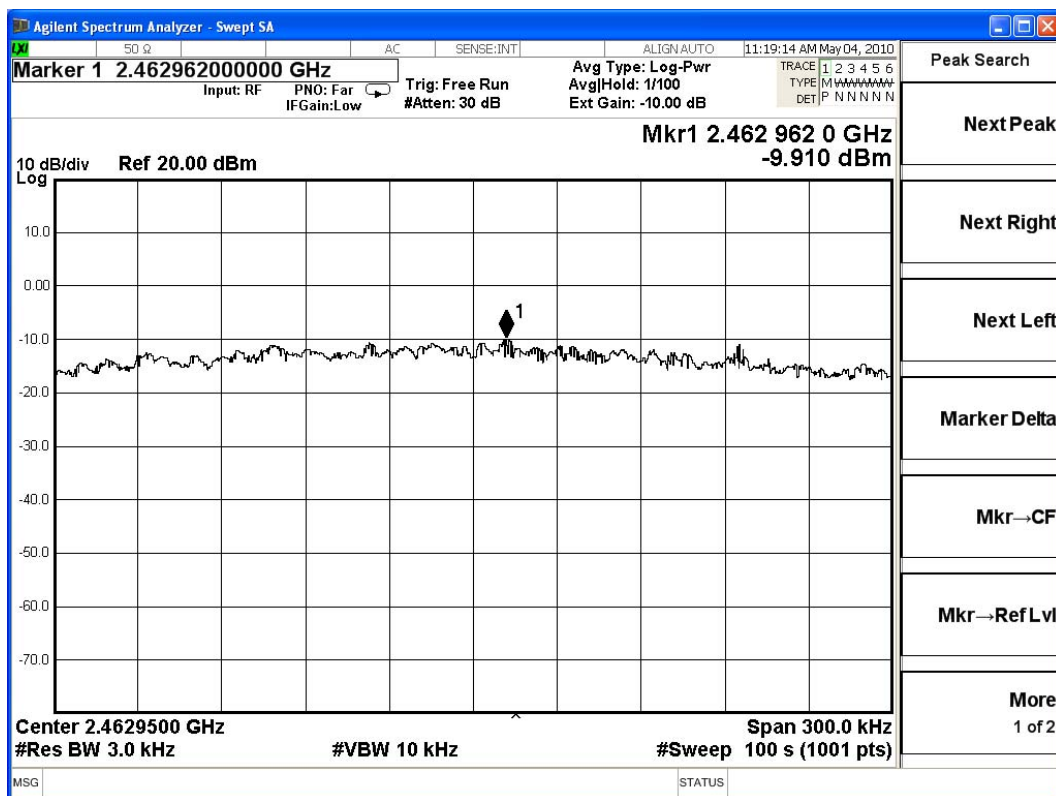
Figure Channel 6:



Product : ROS Video DMA
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmitter - 802.11n-20BW_13Mbps(2.4G Band) (2462MHz)

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
11 (13Mbps)	2462.00	-9.910	< 8dBm	Pass

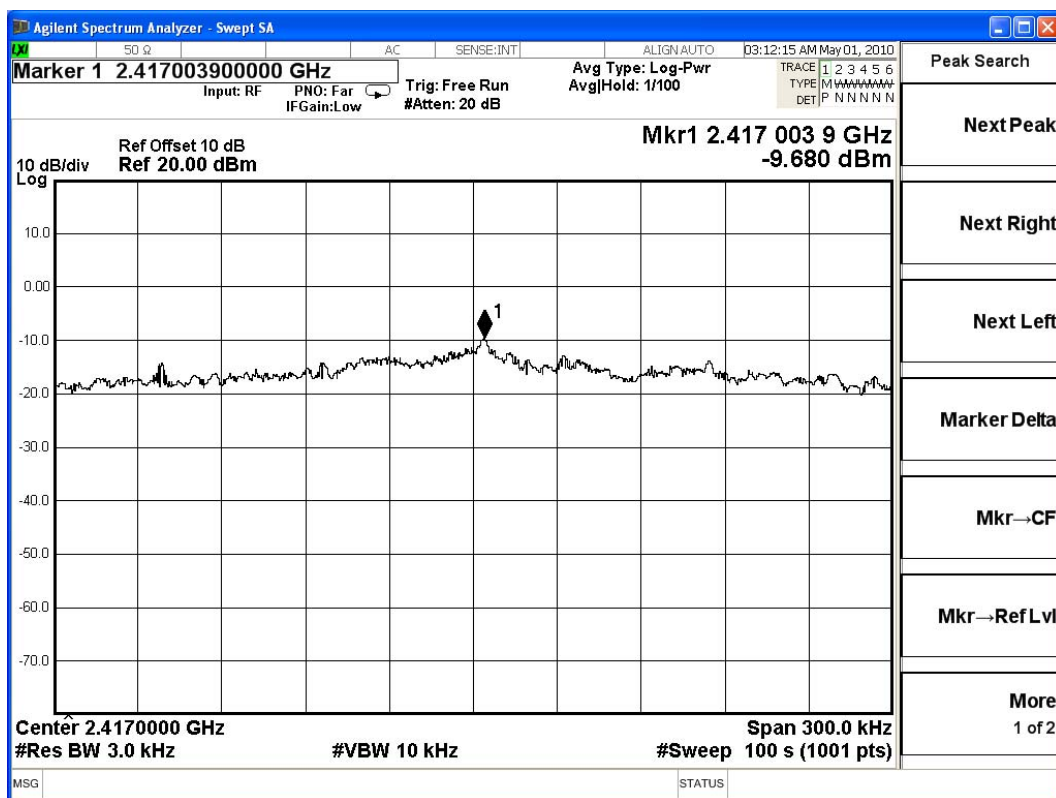
Figure Channel 11:



Product : ROS Video DMA
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 5: Transmitter - 802.11n-40BW_27Mbps(2.4G Band) (2422MHz)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1 (27Mbps)	2422.00	-9.680	< 8dBm	Pass

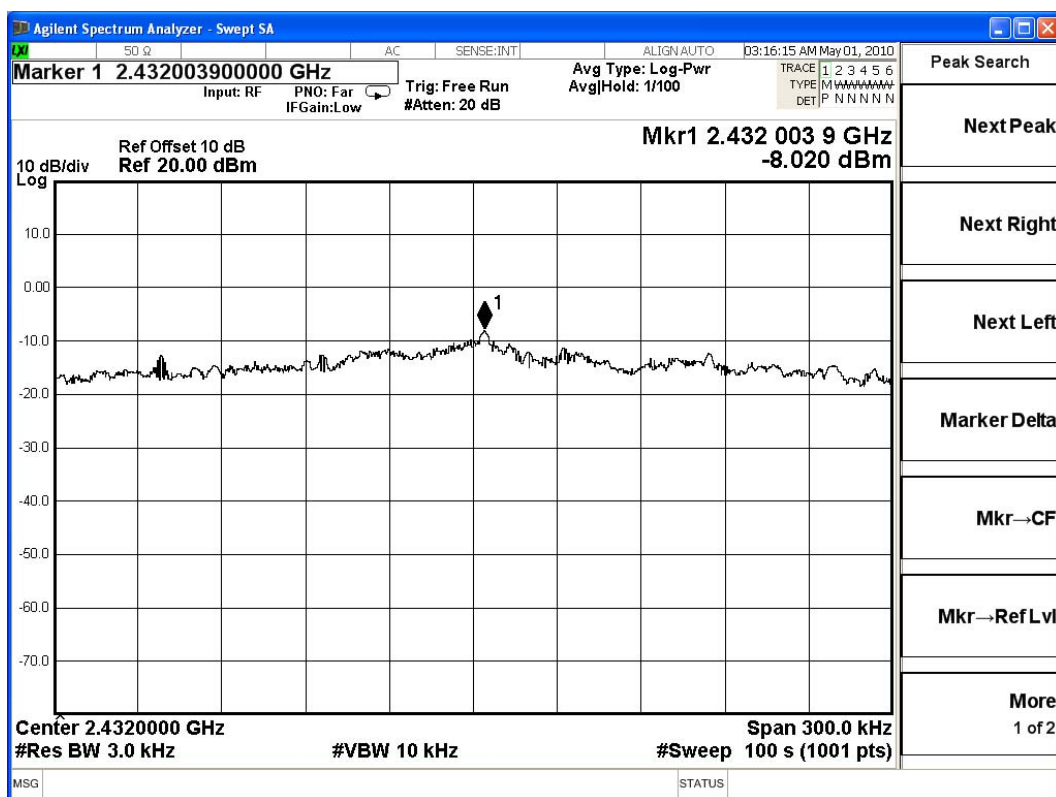
Figure Channel 1:



Product : ROS Video DMA
 Test Item : Power Density Data
 Test Site : No.3OATS
 Test Mode : Mode 5: Transmitter - 802.11n-40BW_27Mbps(2.4G Band) (2437MHz)

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
4 (27Mbps)	2437.000	-8.020	< 8dBm	Pass

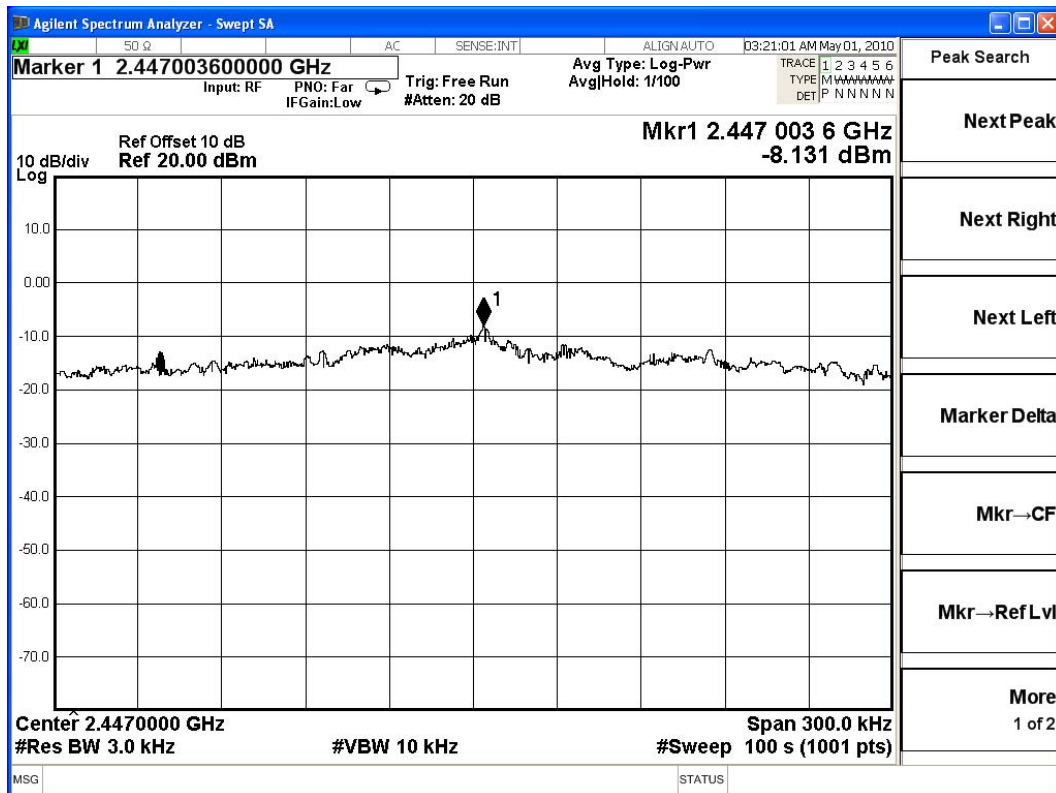
Figure Channel 4:



Product : ROS Video DMA
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 5: Transmitter - 802.11n-40BW_27Mbps(2.4G Band) (2452MHz)

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
07 (27Mbps)	2452.00	-8.131	< 8dBm	Pass

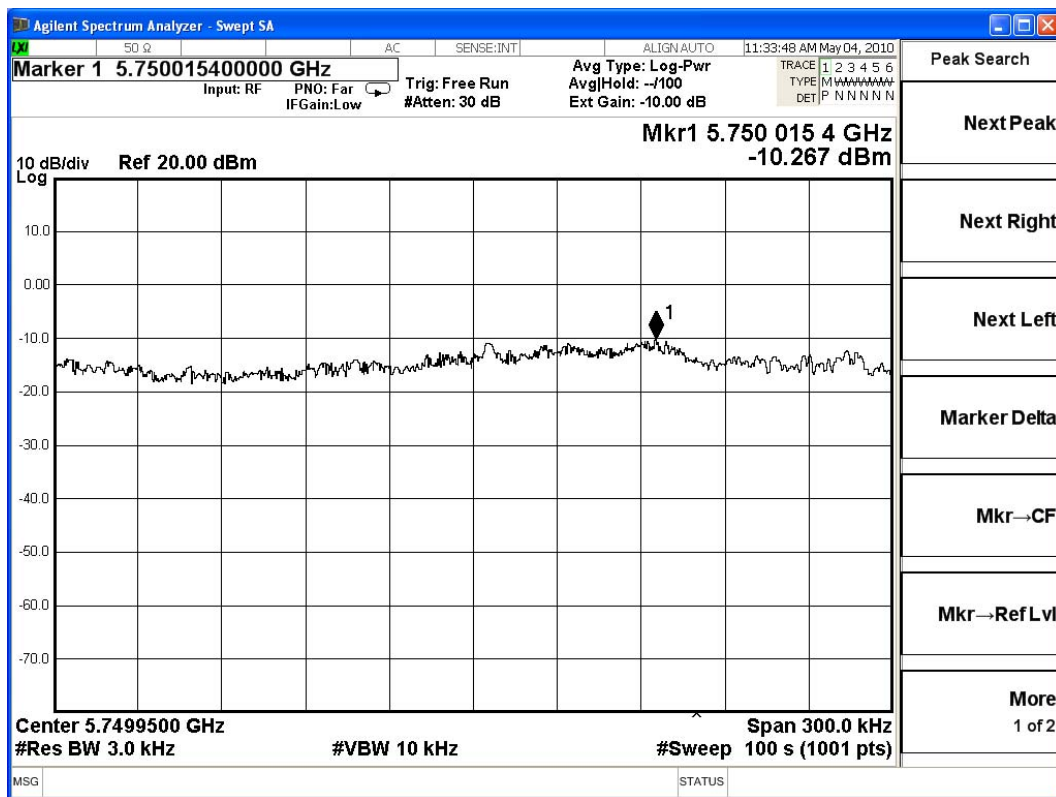
Figure Channel 7:



Product : ROS Video DMA
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 6: Transmitter - 802.11n-20BW_13Mbps(5G Band) (5745MHz)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149 (13Mbps)	5745.00	-11.267	< 8dBm	Pass

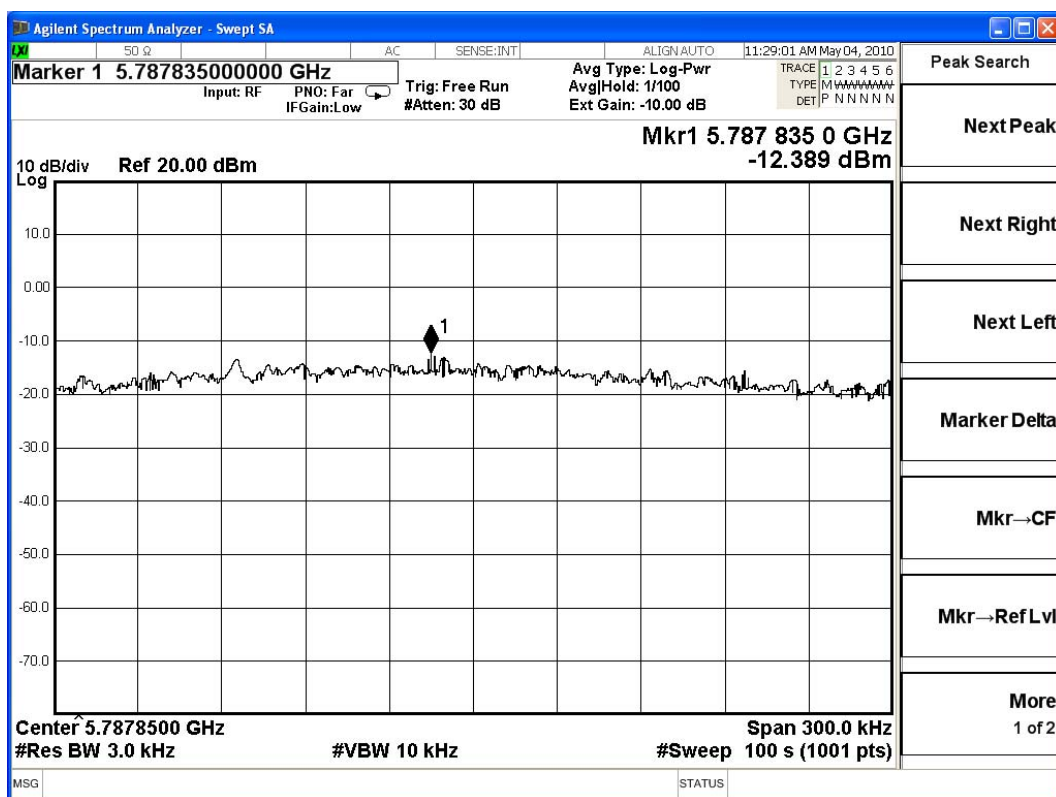
Figure Channel 149:



Product : ROS Video DMA
 Test Item : Power Density Data
 Test Site : No.3OATS
 Test Mode : Mode 6: Transmitter - 802.11n-20BW_13Mbps(5G Band) (5785MHz)

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
157(13Mbps)	5785.000	-12.389	< 8dBm	Pass

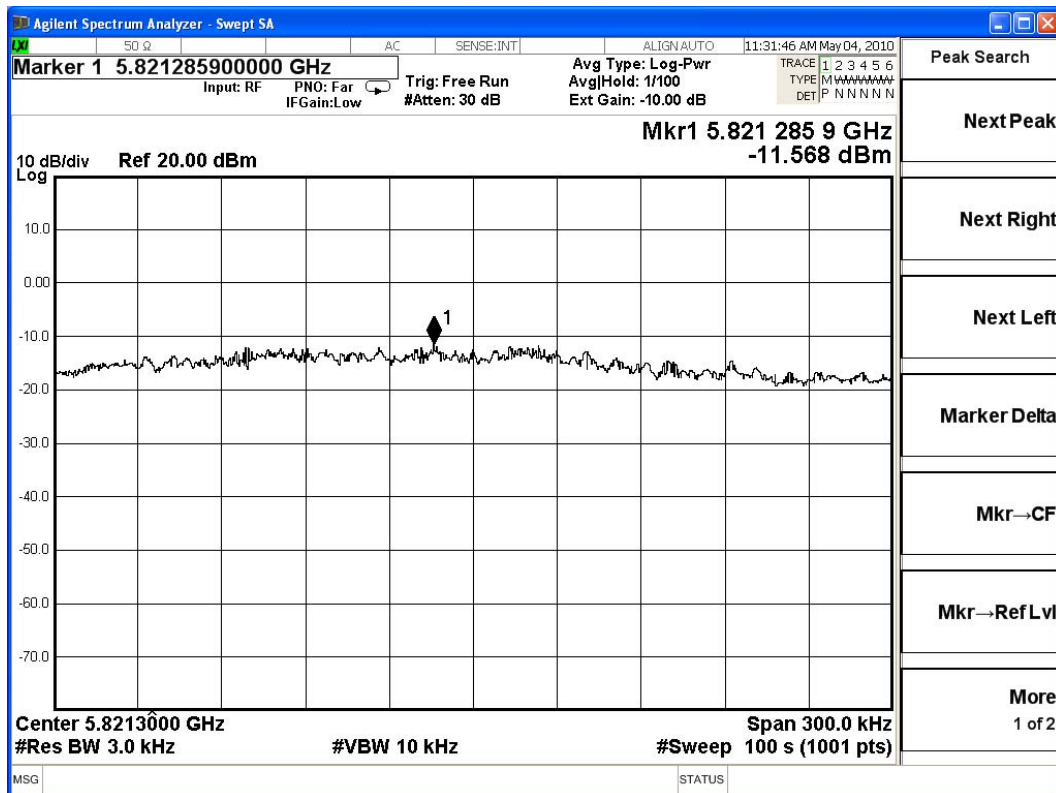
Figure Channel 157:



Product : ROS Video DMA
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 6: Transmitter - 802.11n-20BW_13Mbps(5G Band) (5825MHz)

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
165(13Mbps)	5825.00	-11.568	< 8dBm	Pass

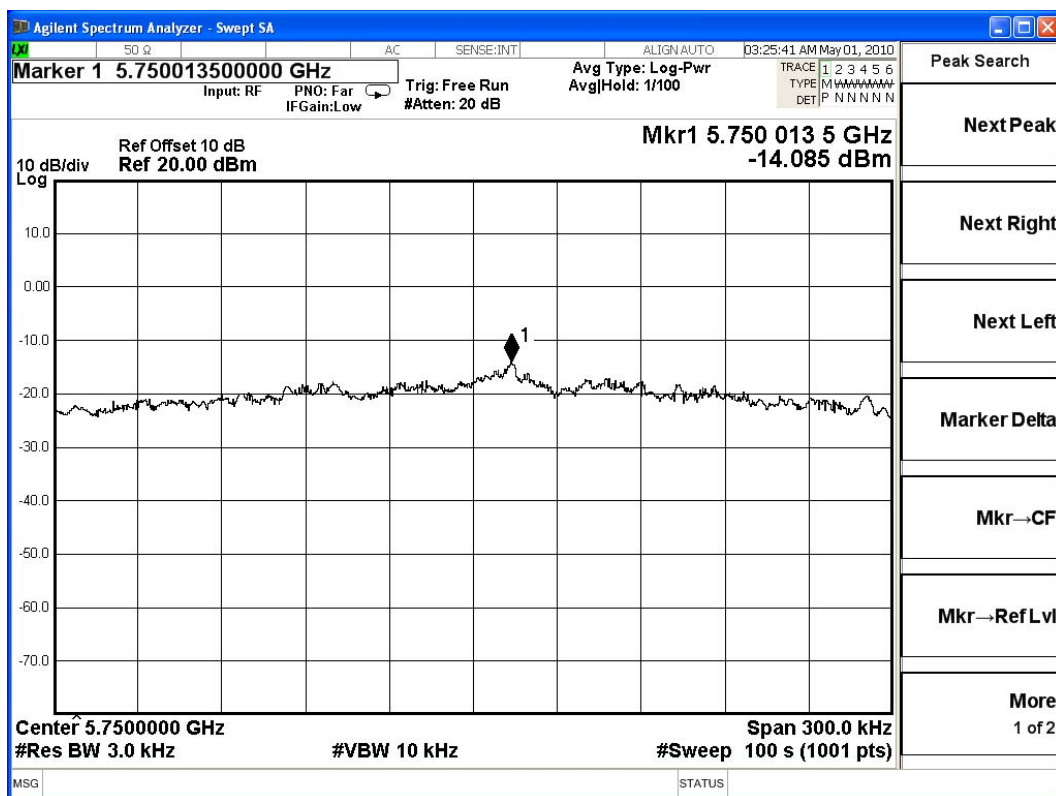
Figure Channel 165:



Product : ROS Video DMA
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 7: Transmitter - 802.11n-40BW_27Mbps(5G Band) (5755MHz)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151 (27Mbps)	5755.00	-14.085	< 8dBm	Pass

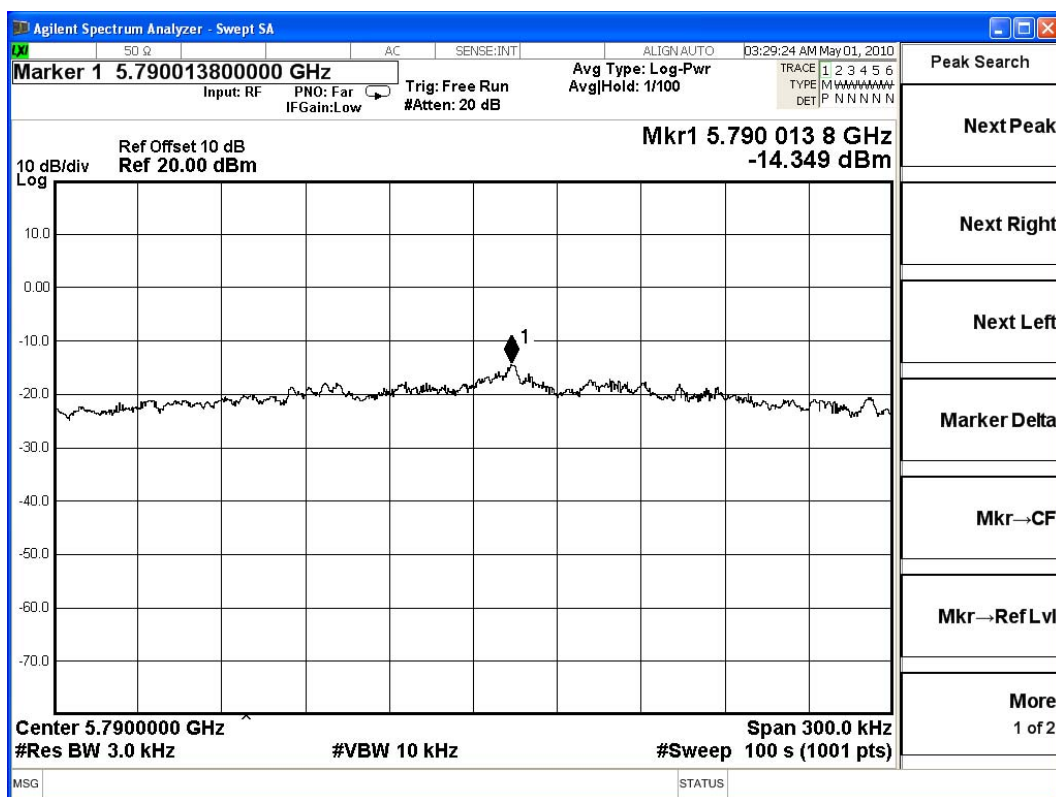
Figure Channel 151:



Product : ROS Video DMA
 Test Item : Power Density Data
 Test Site : No.3OATS
 Test Mode : Mode 7: Transmitter - 802.11n-40BW_27Mbps(5G Band) (5795MHz)

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
159 (27Mbps)	5795.000	-14.349	< 8dBm	Pass

Figure Channel 159:



9. EMI Reduction Method During Compliance Testing

No modification was made during testing.