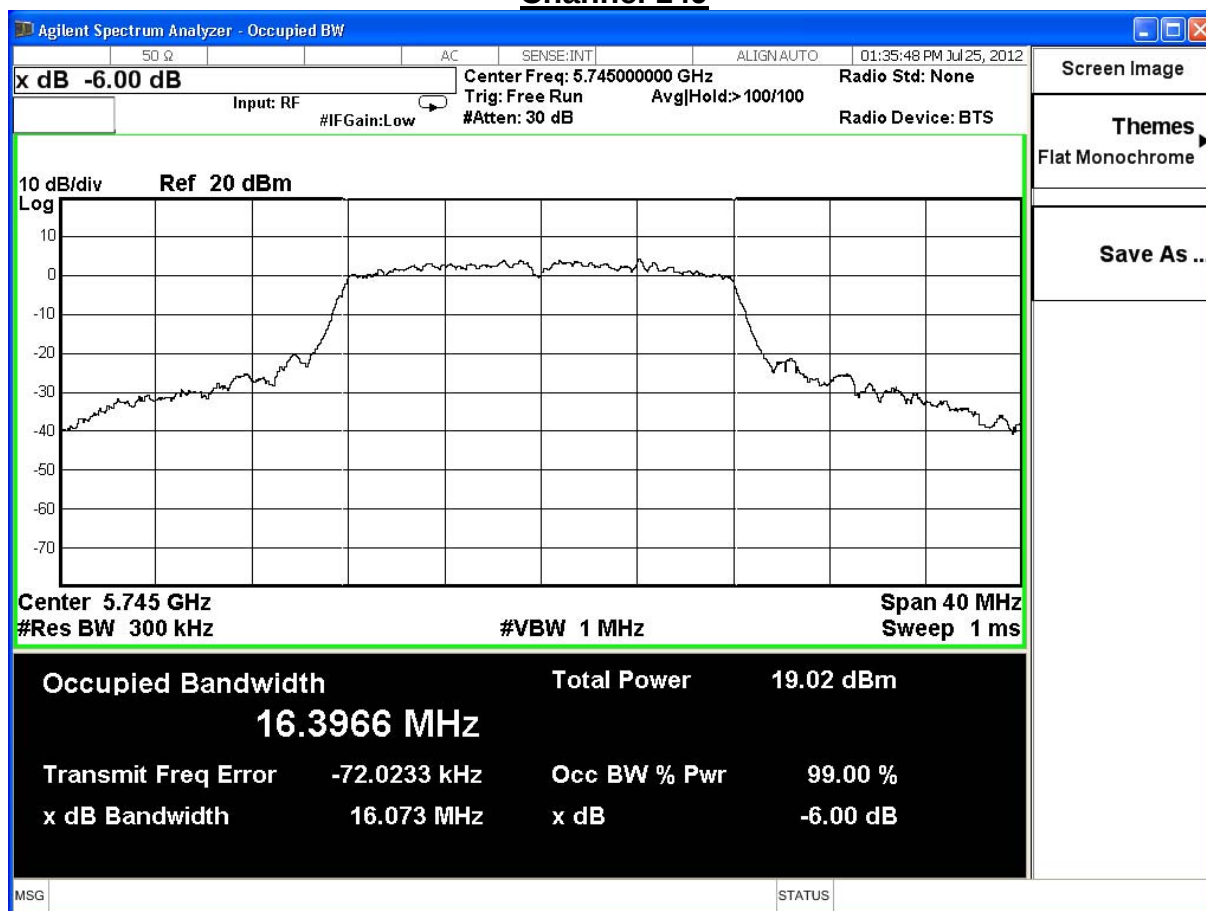


Product	5G+2.4G 2T2R AP FMC		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2012/07/25	Test Site	SR7

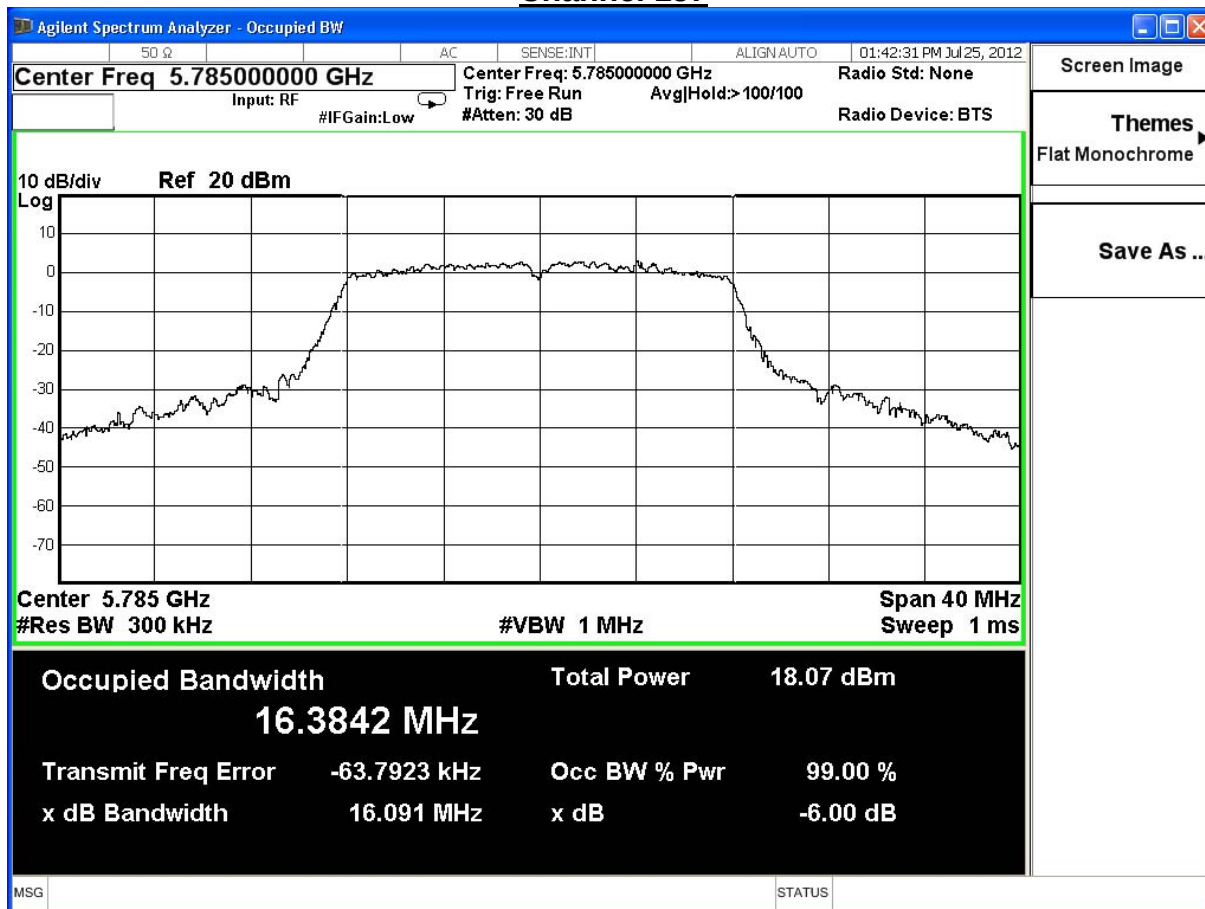
802.11 a

Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
149	5745	16.073	≥ 0.5	Pass
157	5785	16.091	≥ 0.5	Pass
165	5825	16.077	≥ 0.5	Pass

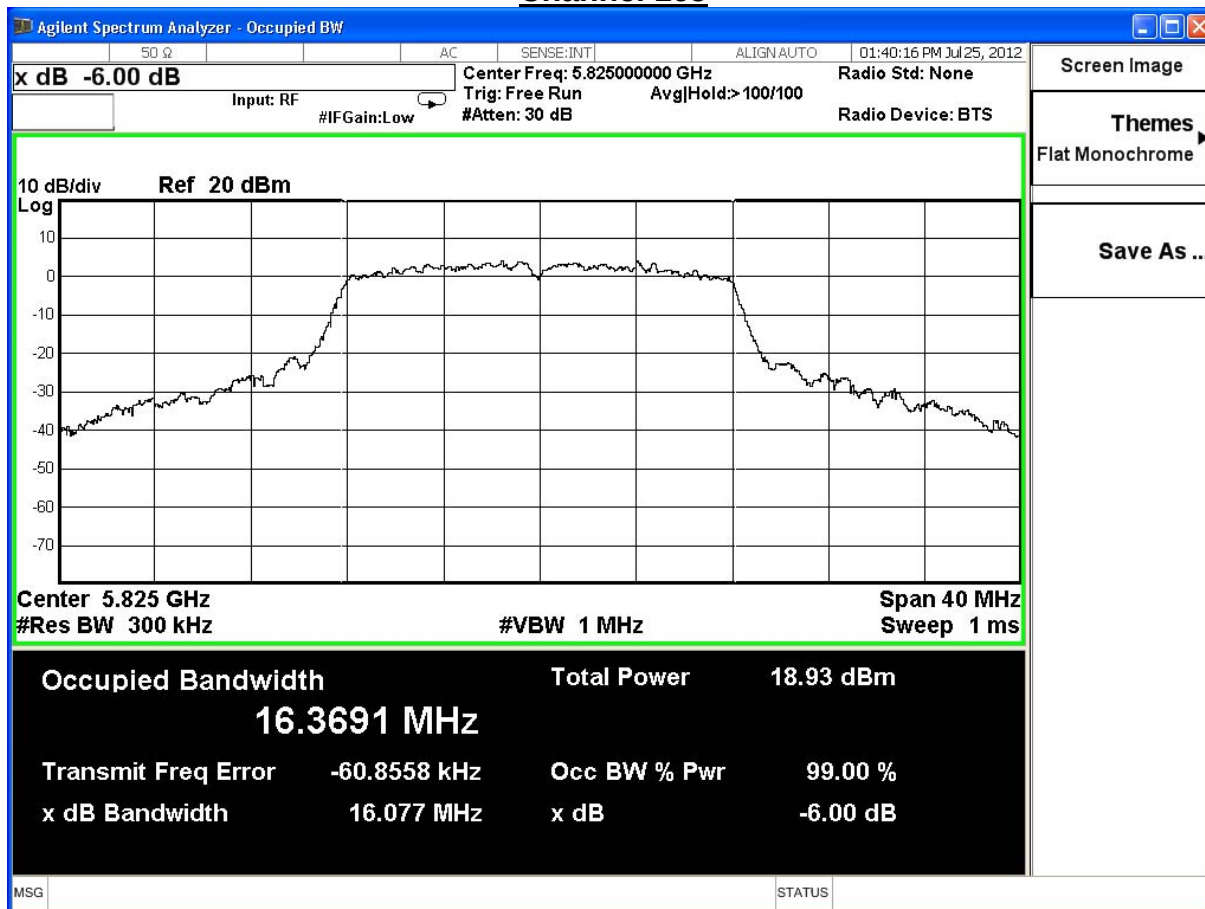
Channel 149



Channel 157



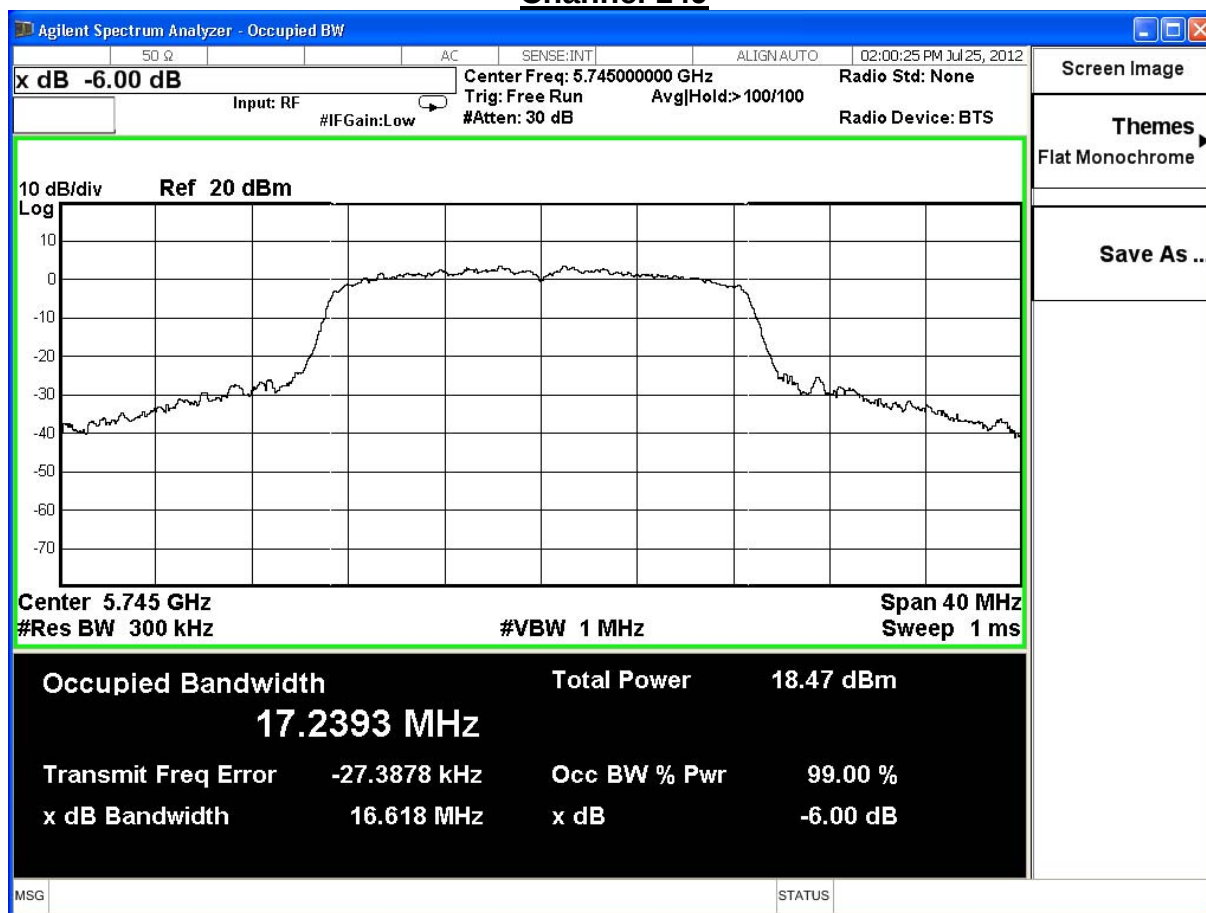
Channel 165



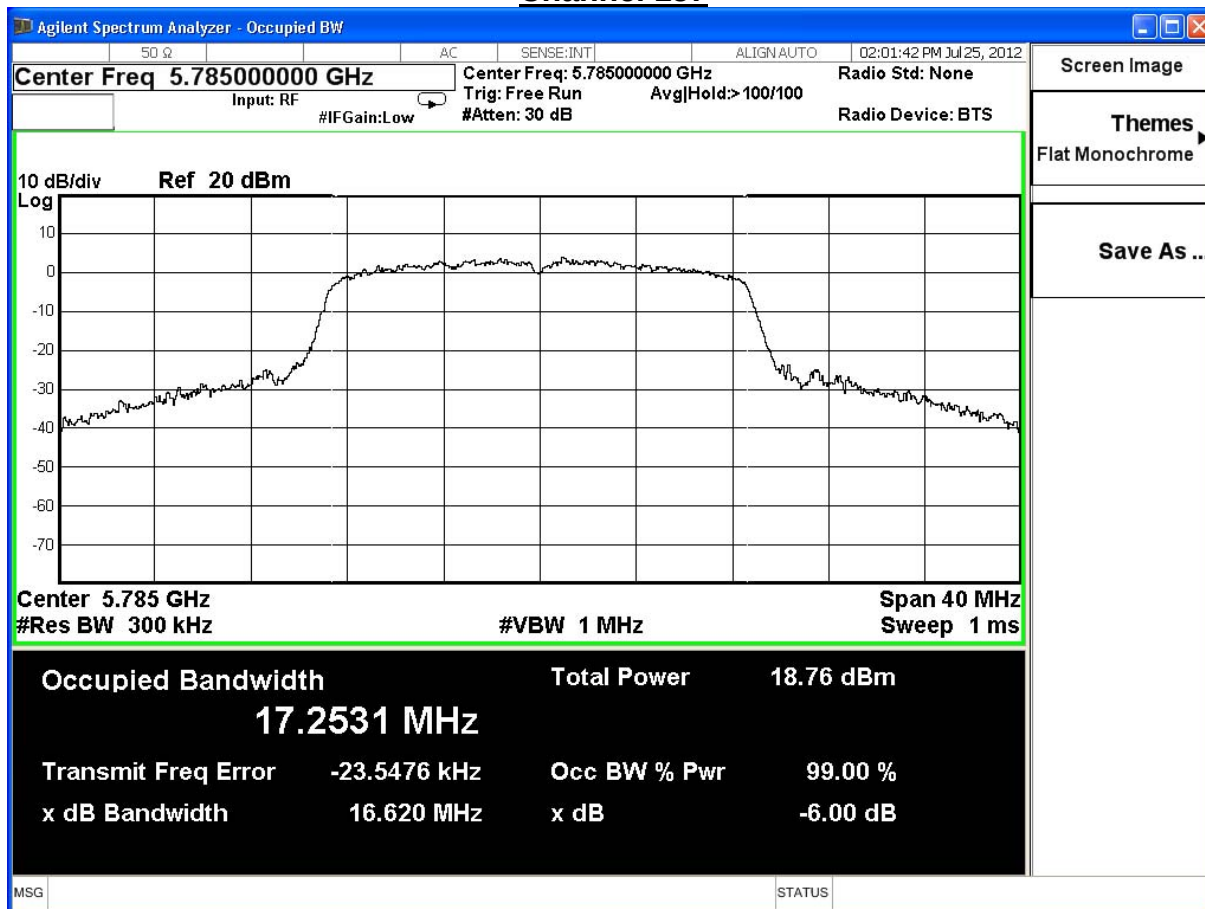
Product	5G+2.4G 2T2R AP FMC		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2012/07/25	Test Site	SR7

IEEE 802.11n (20MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
149	5745	16.618	≥ 0.5	Pass
157	5785	16.620	≥ 0.5	Pass
165	5825	16.567	≥ 0.5	Pass

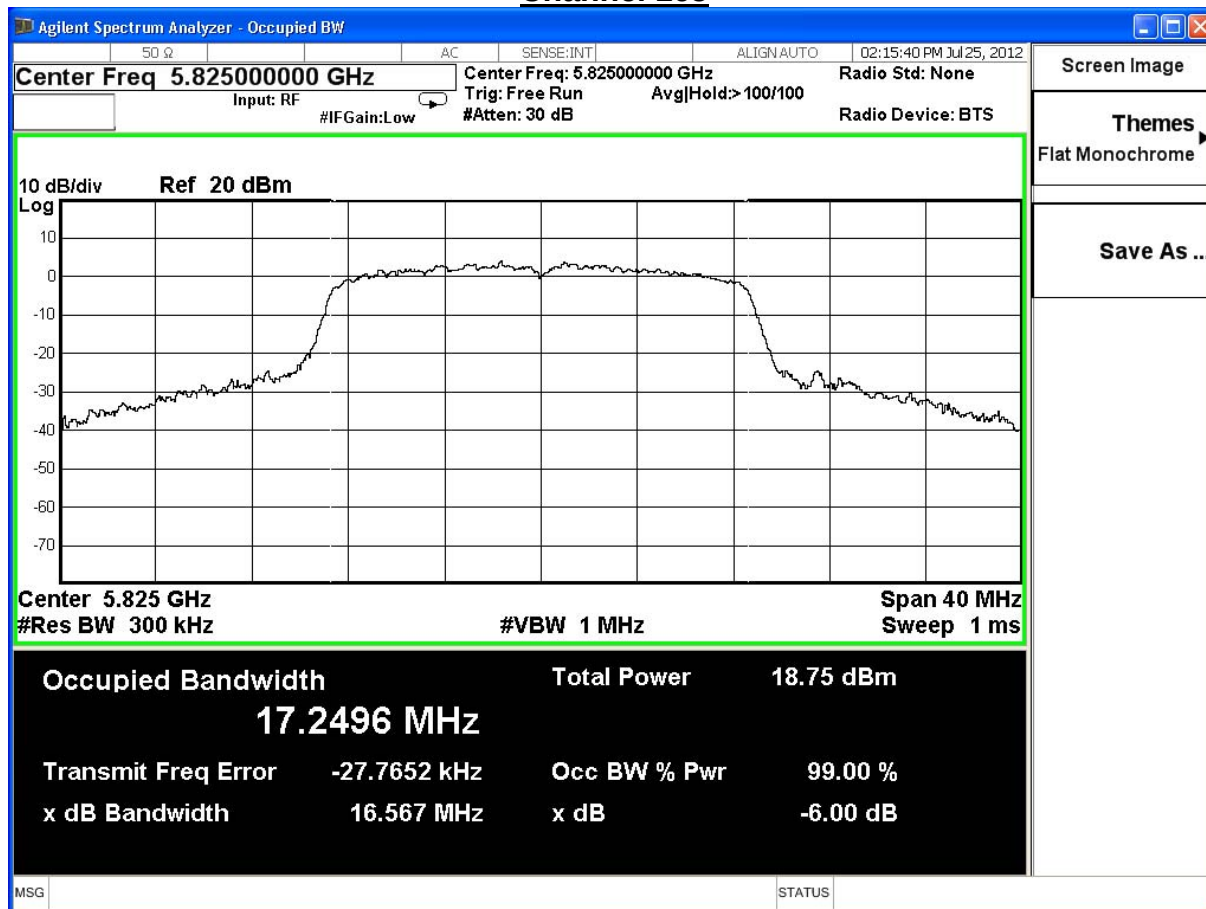
Channel 149



Channel 157



Channel 165

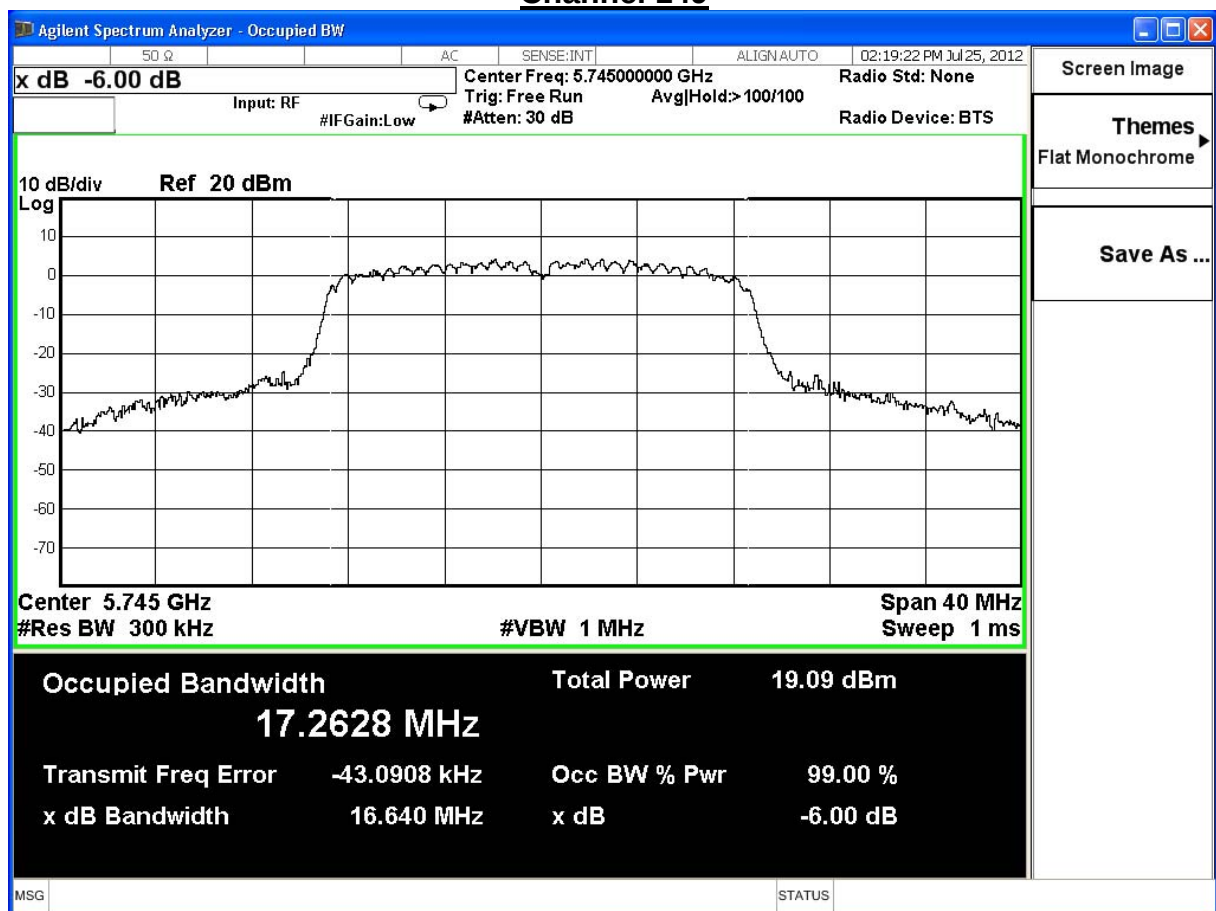


Product	5G+2.4G 2T2R AP FMC		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2012/07/25	Test Site	SR7

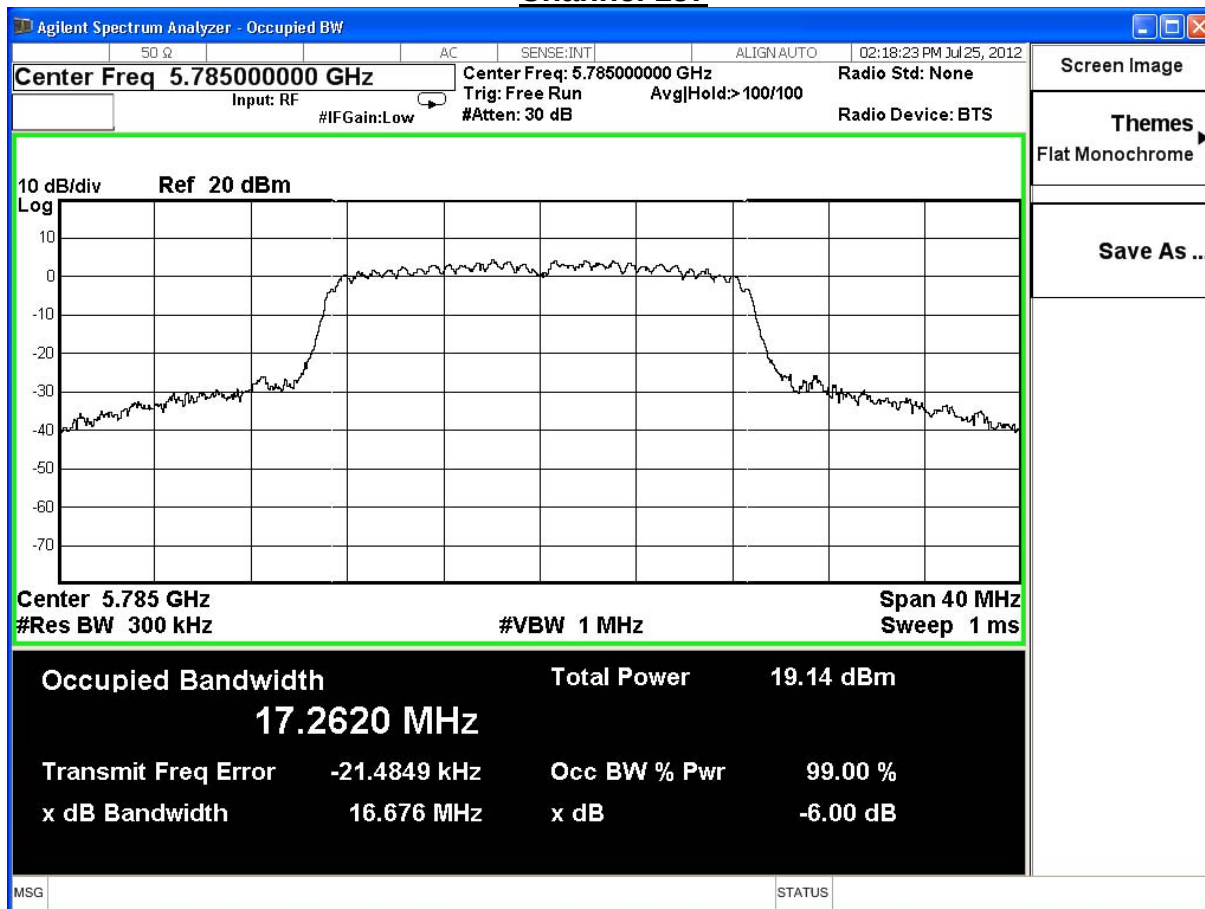
IEEE 802.11n (20MHz)(ANT 1)

Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
149	5745	16.640	≥ 0.5	Pass
157	5785	16.676	≥ 0.5	Pass
165	5825	16.660	≥ 0.5	Pass

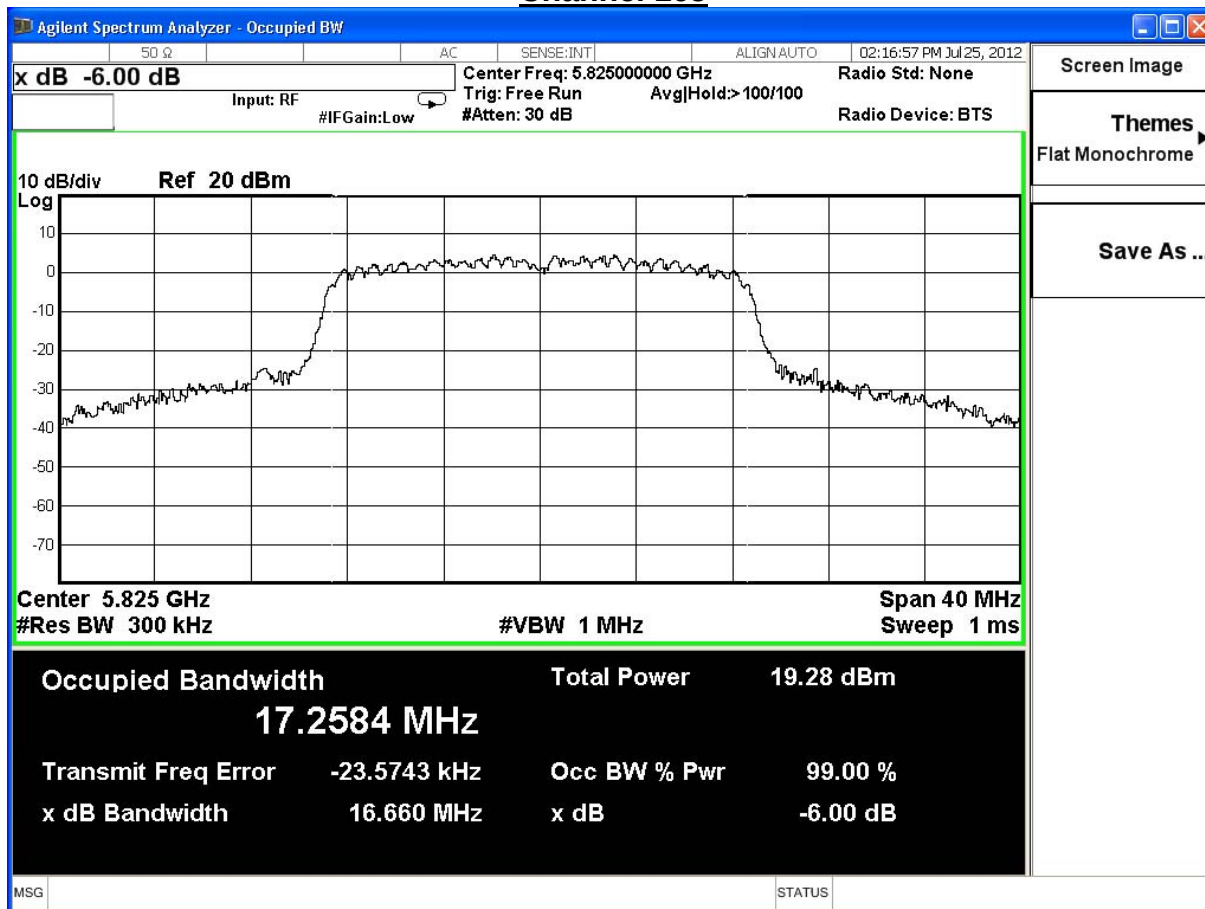
Channel 149



Channel 157



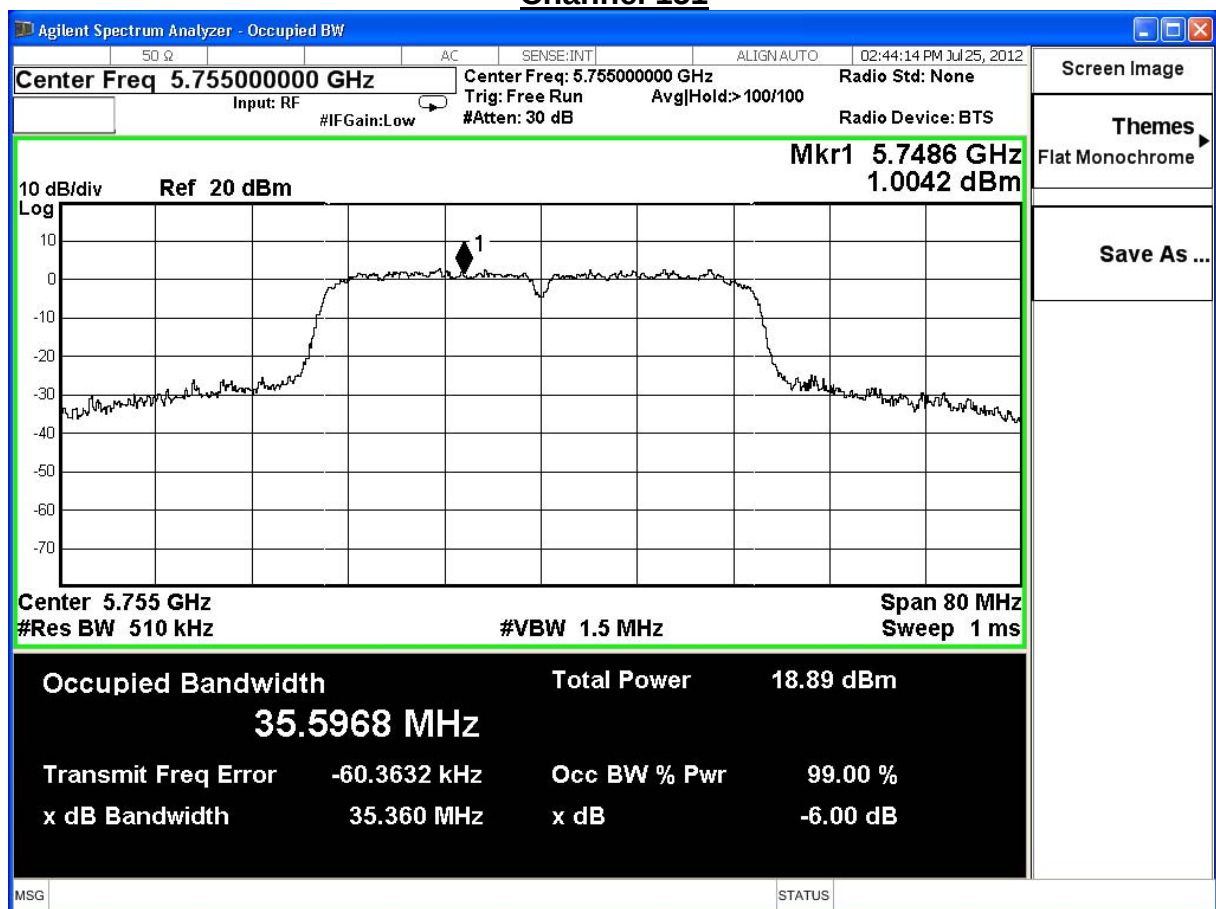
Channel 165



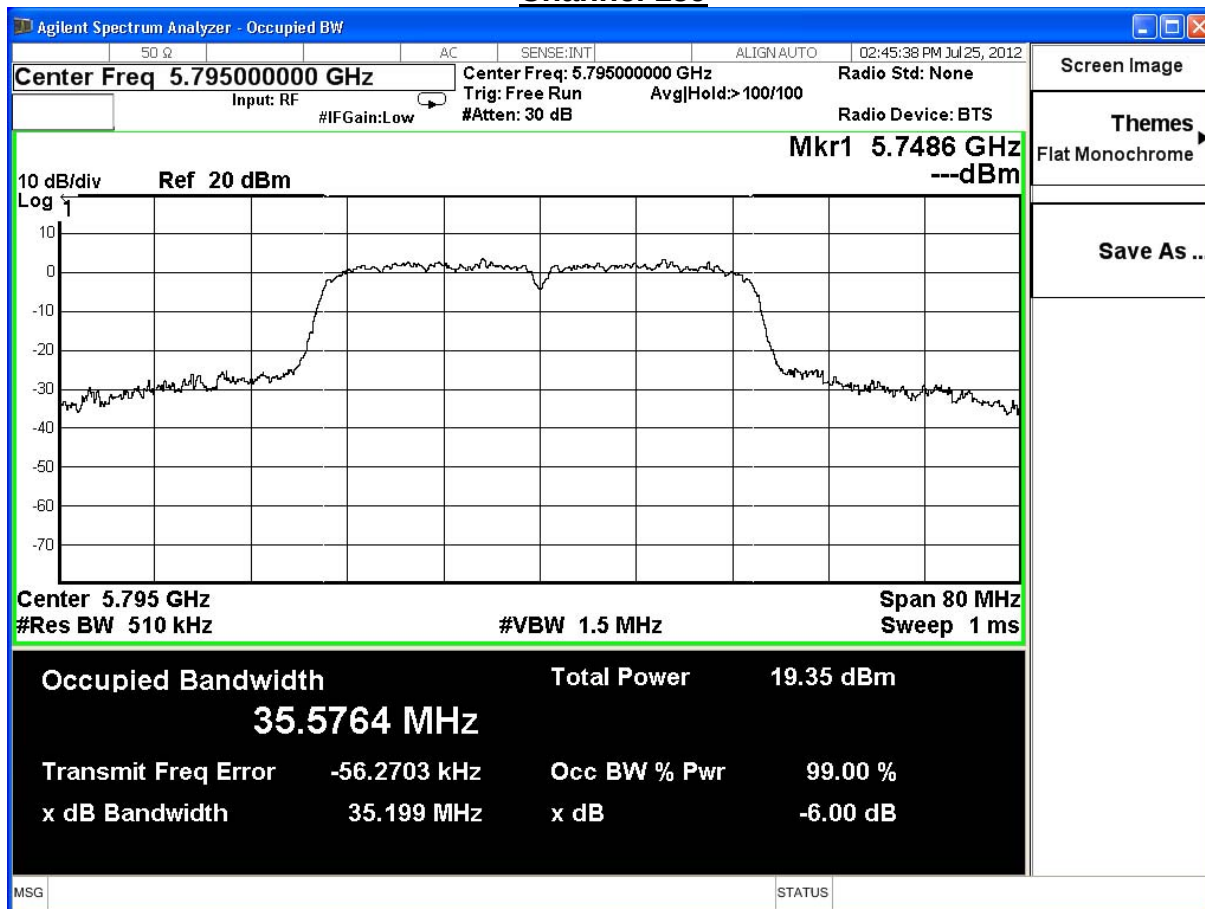
Product	5G+2.4G 2T2R AP FMC		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2012/07/25	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
151	5755	35.360	≥ 0.5	Pass
159	5795	35.199	≥ 0.5	Pass

Channel 151



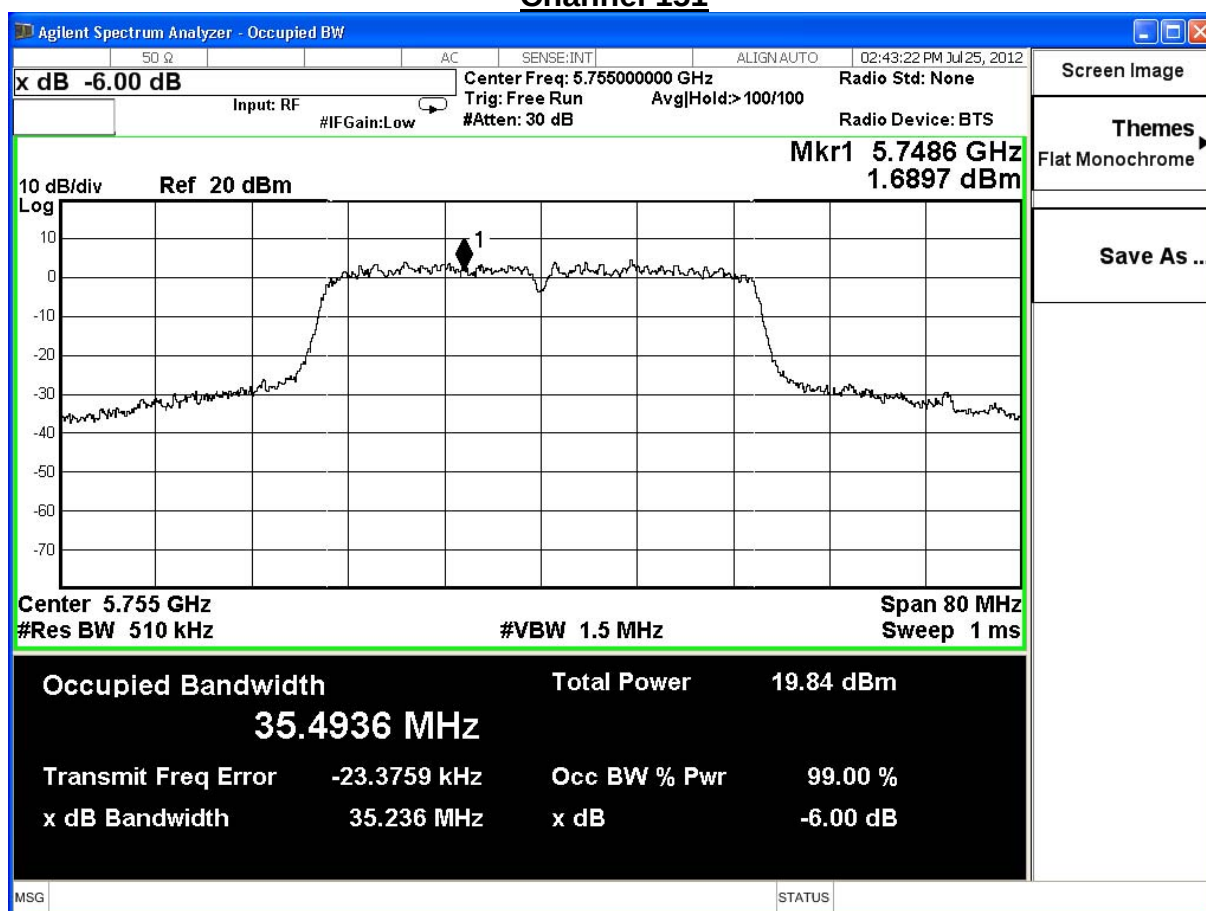
Channel 159



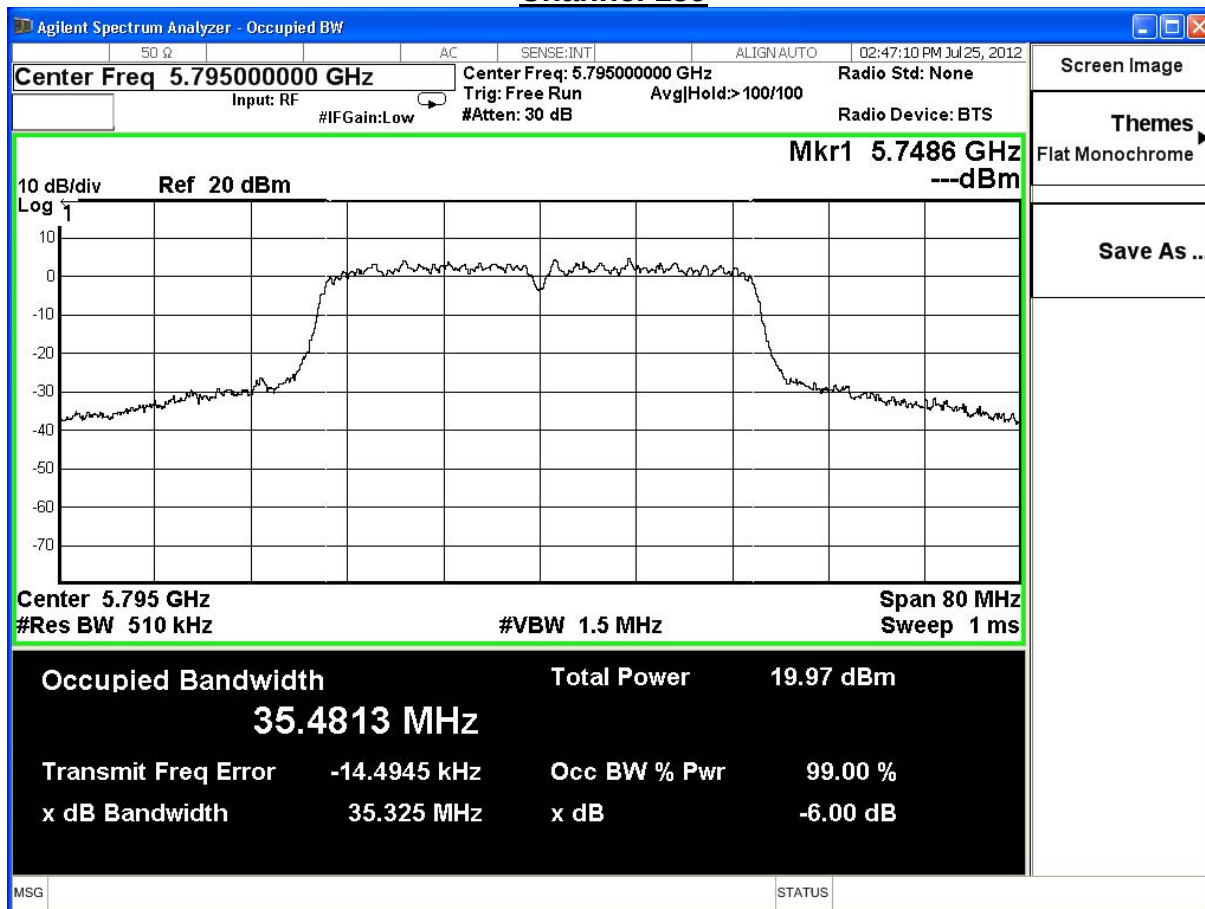
Product	5G+2.4G 2T2R AP FMC		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2012/07/25	Test Site	SR7

IEEE 802.11n (40MHz)(ANT 1)				
Channel No.	Frequency (MHz)	Measurement Level (MHz)	Required Limit (MHz)	Result
151	5755	35.236	≥ 0.5	Pass
159	5795	35.325	≥ 0.5	Pass

Channel 151



Channel 159



8. Power Density

8.1. Test Equipment

The following test equipment is used during the test:

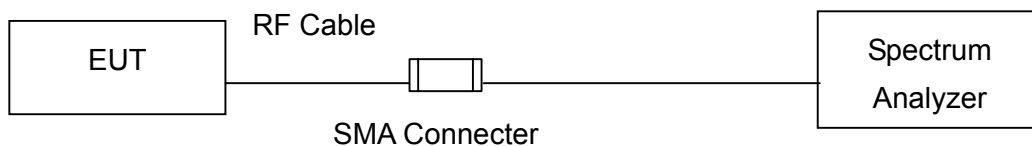
Power Density / SR7

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	R&S	FSP	100561	2013/02/19

Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

8.2. Test Setup

IEEE 802.11 b / g / a / n (20M / 40M) MODE



8.3. Limits

The peak power spectral density conducted from the intentional radiated to the antenna shall not be greater than +8dBm in any 3kHz band during any time interval of continuous transmission.

8.4. Test Procedures

The EUT was setup according to ANSI C63.4: 2009; tested according to DTS test procedure of Jan. 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

Set RBW= 100 kHz, Set VBW= 300 kHz, Sweep time=Auto, Set detector=Peak detector

8.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2011

8.6. Uncertainty

The measurement uncertainty is defined as $\pm 1.27\text{dB}$.

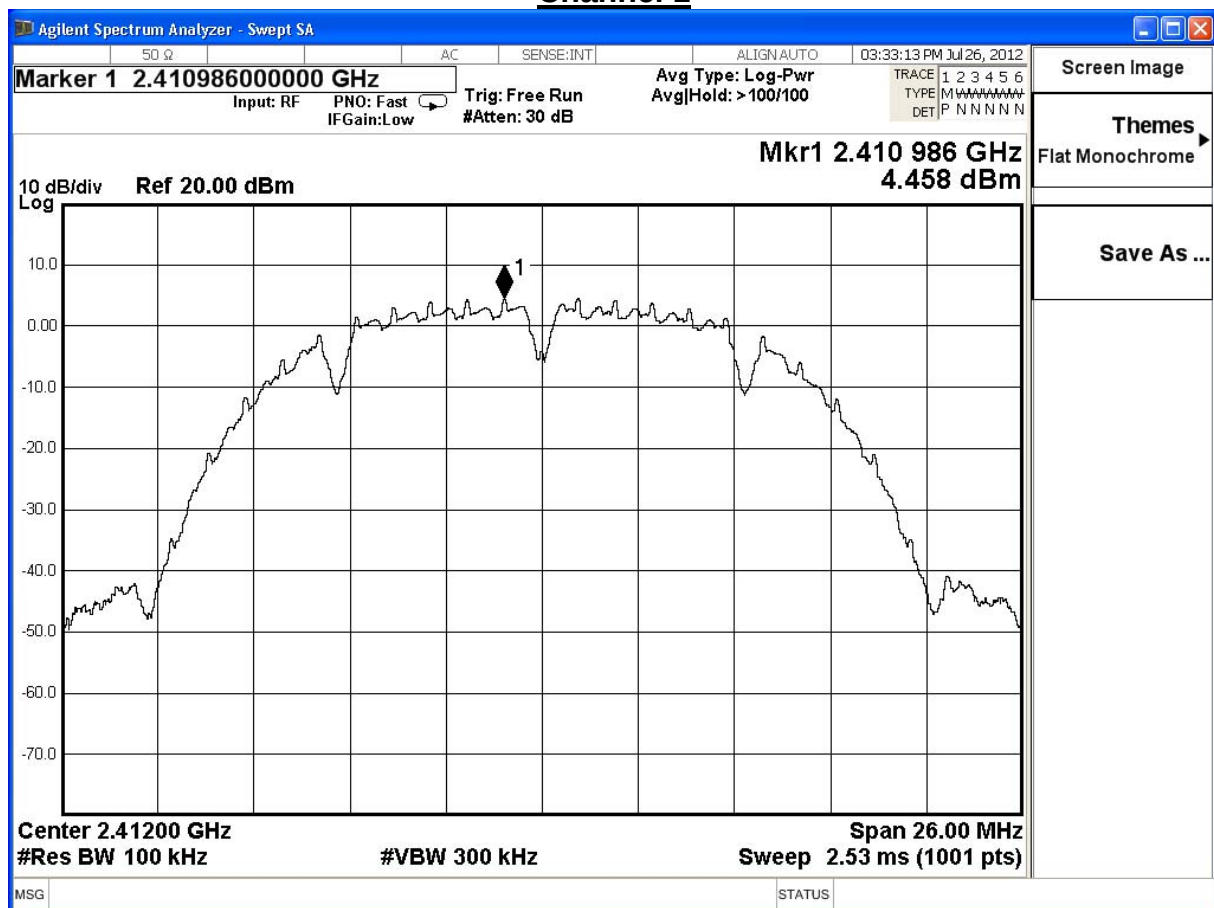
8.7. Test Result

Product	5G+2.4G 2T2R AP FMC		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2012/07/26	Test Site	SR7

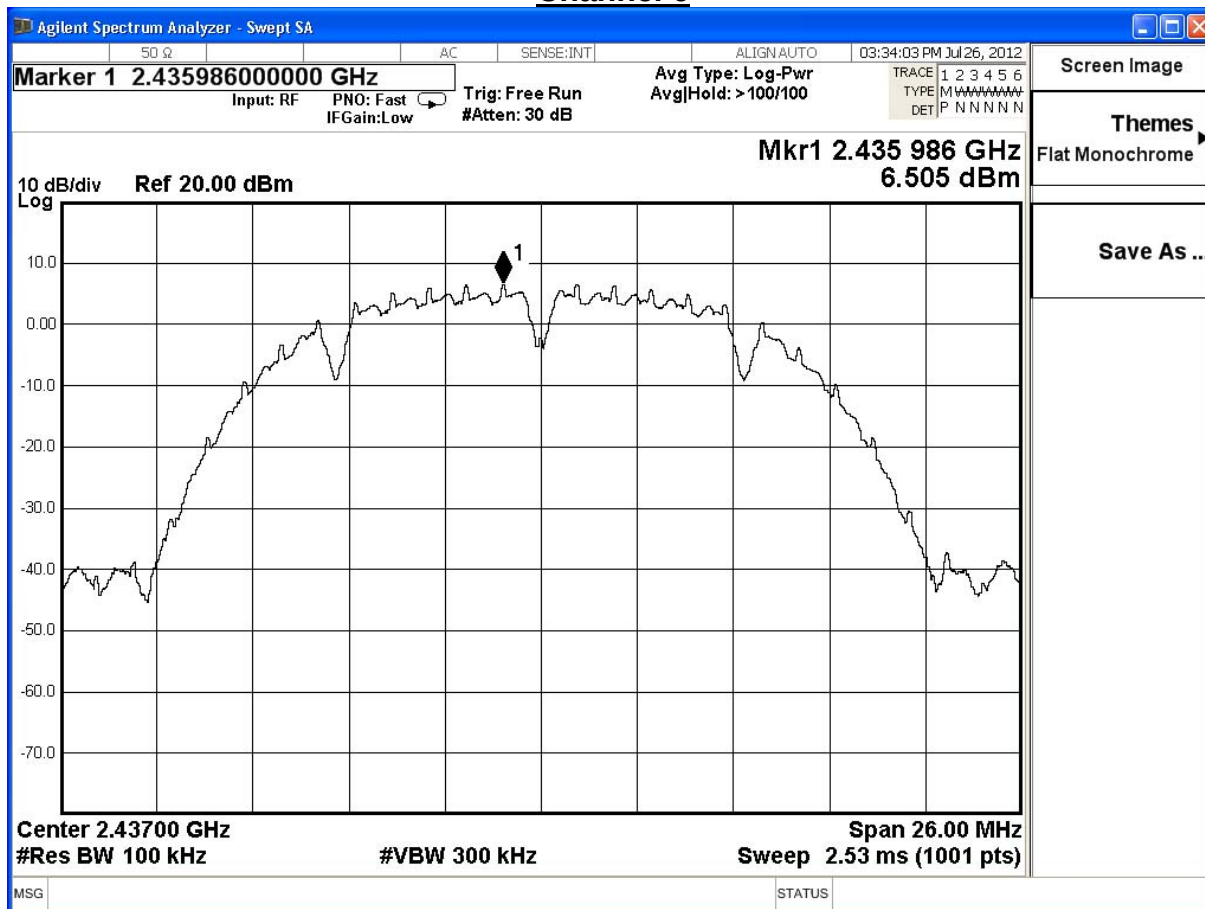
IEEE 802.11b					
Channel No.	Frequency (MHz)	Reading Level (dBm)	Measure Level (dBm)	Limit (dBm)	Result
01	2412	4.458	-10.742	≤ 8	Pass
06	2437	6.505	-8.695	≤ 8	Pass
11	2462	5.861	-9.339	≤ 8	Pass

* Emission Level = Reading Level + BWCF = Reading Level + $10\log(3\text{kHz}/10\text{kHz})$

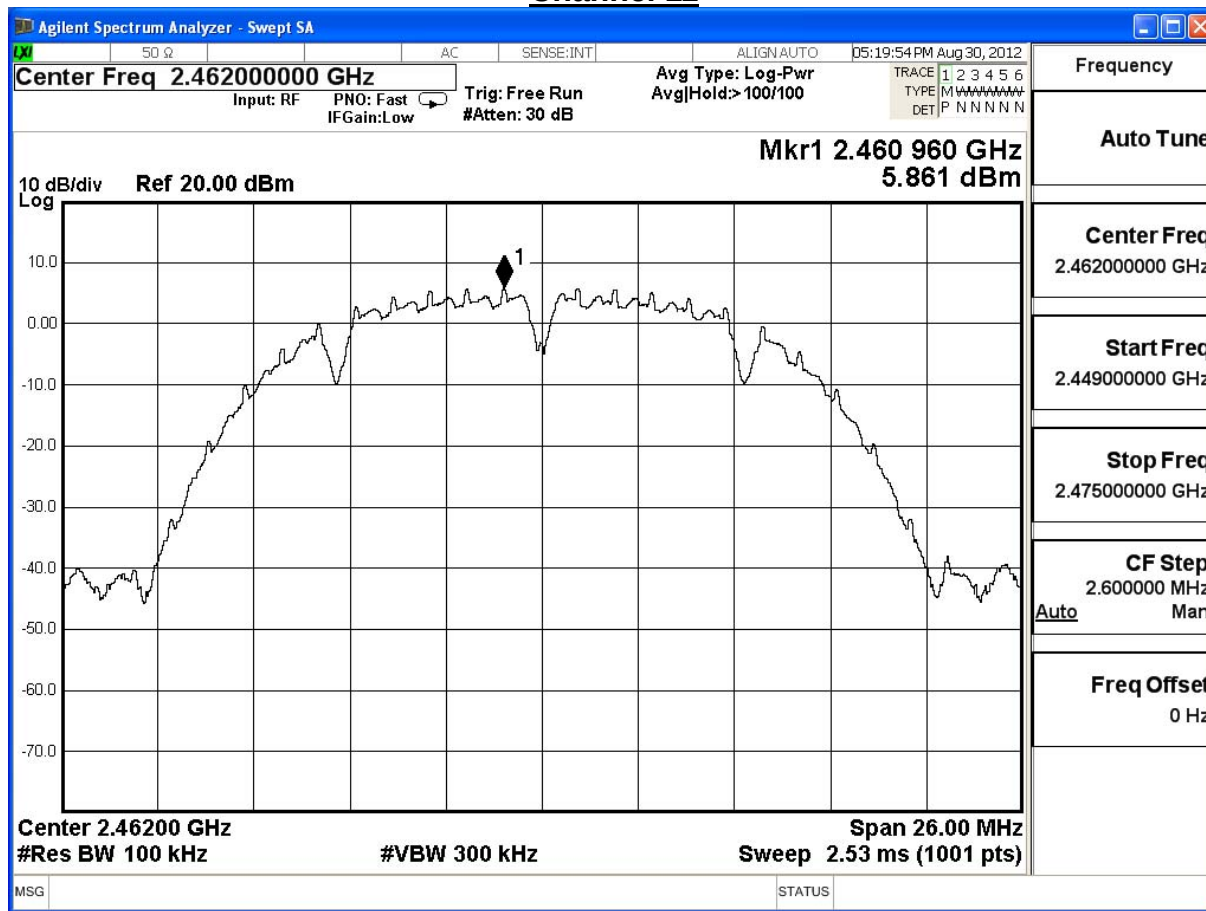
Channel 1



Channel 6



Channel 11

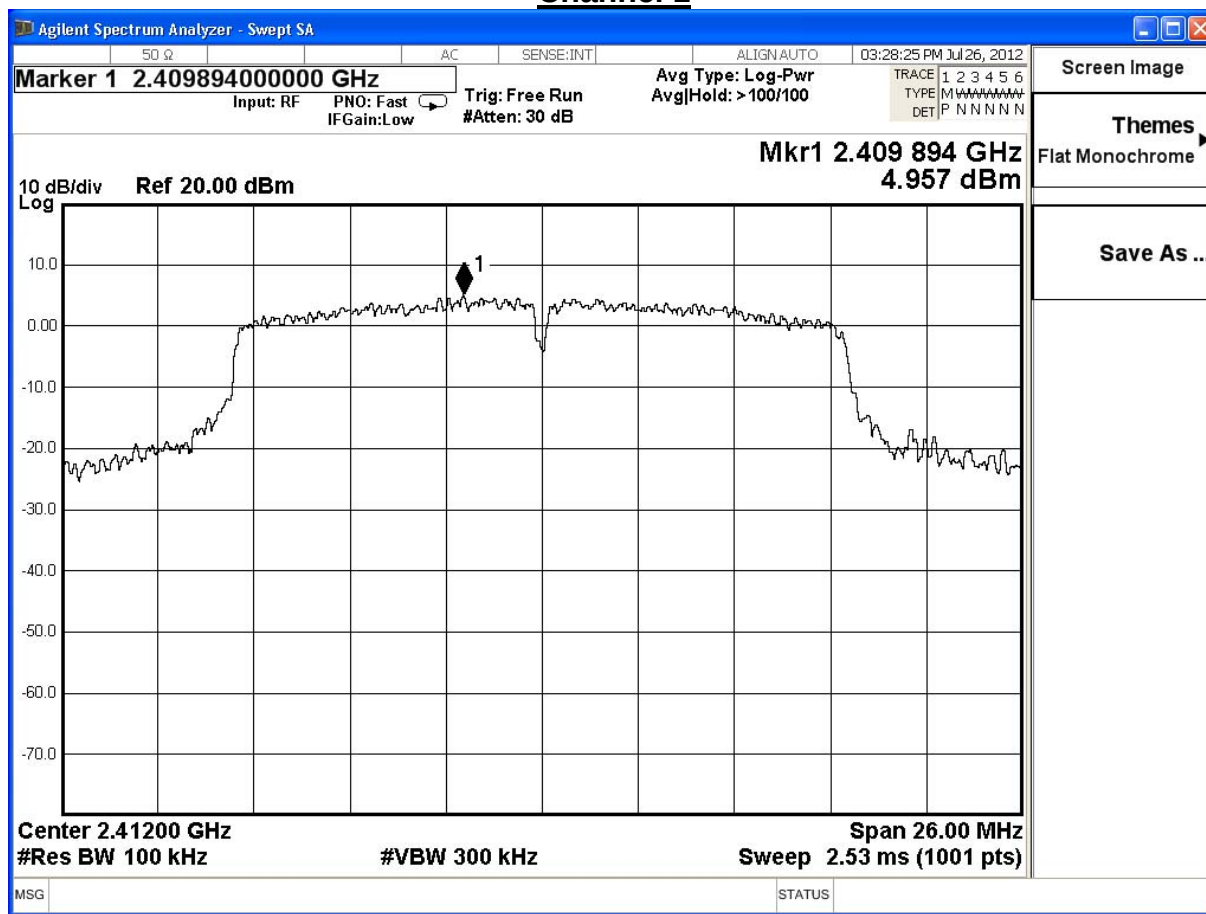


Product	5G+2.4G 2T2R AP FMC		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2012/07/26	Test Site	SR7

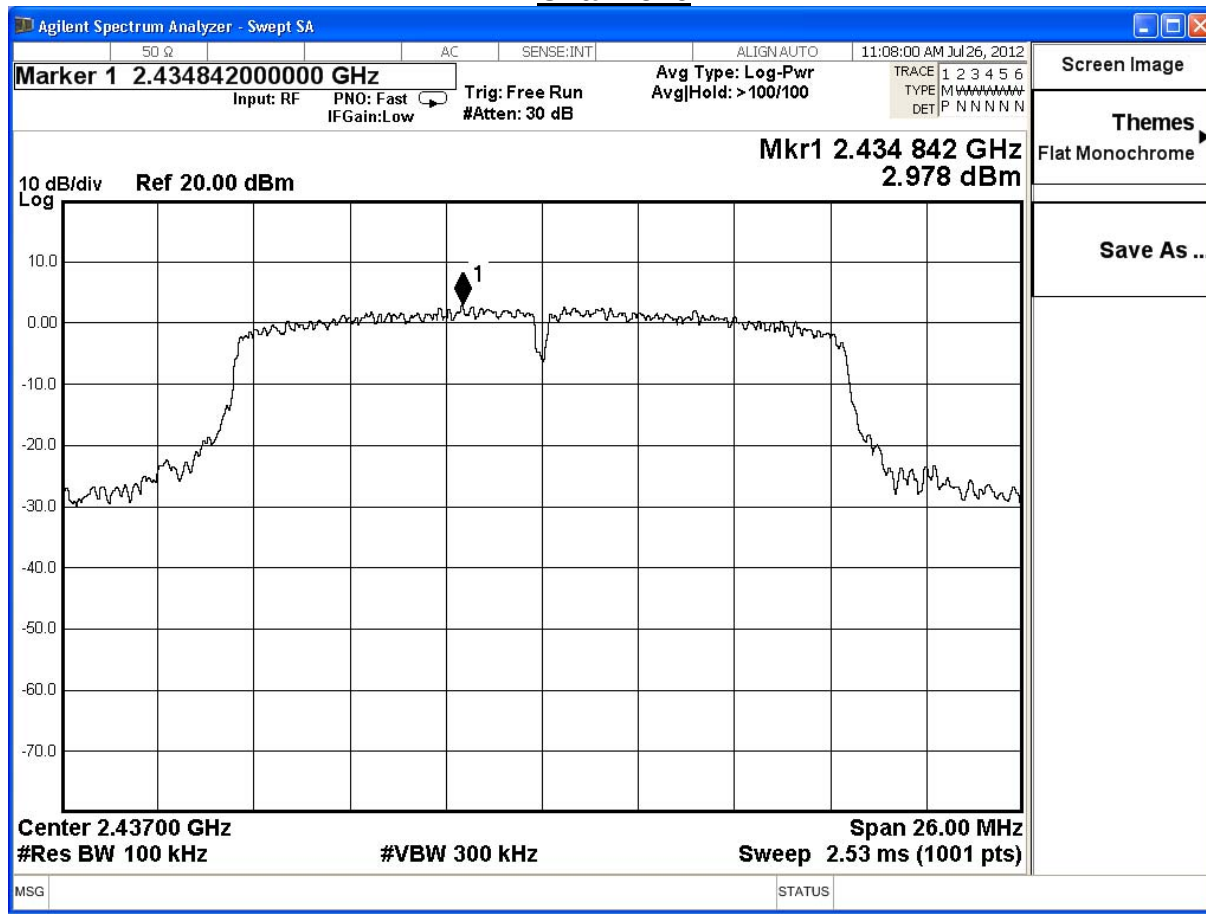
IEEE 802.11g					
Channel No.	Frequency (MHz)	Reading Level (dBm)	Measurement (dBm)	Limit (dBm)	Result
01	2412	4.957	-10.243	≤ 8	Pass
06	2437	2.978	-12.222	≤ 8	Pass
11	2462	1.307	-13.893	≤ 8	Pass

* Emission Level = Reading Level + BWCF = Reading Level + $10\log(3\text{kHz}/10\text{kHz})$

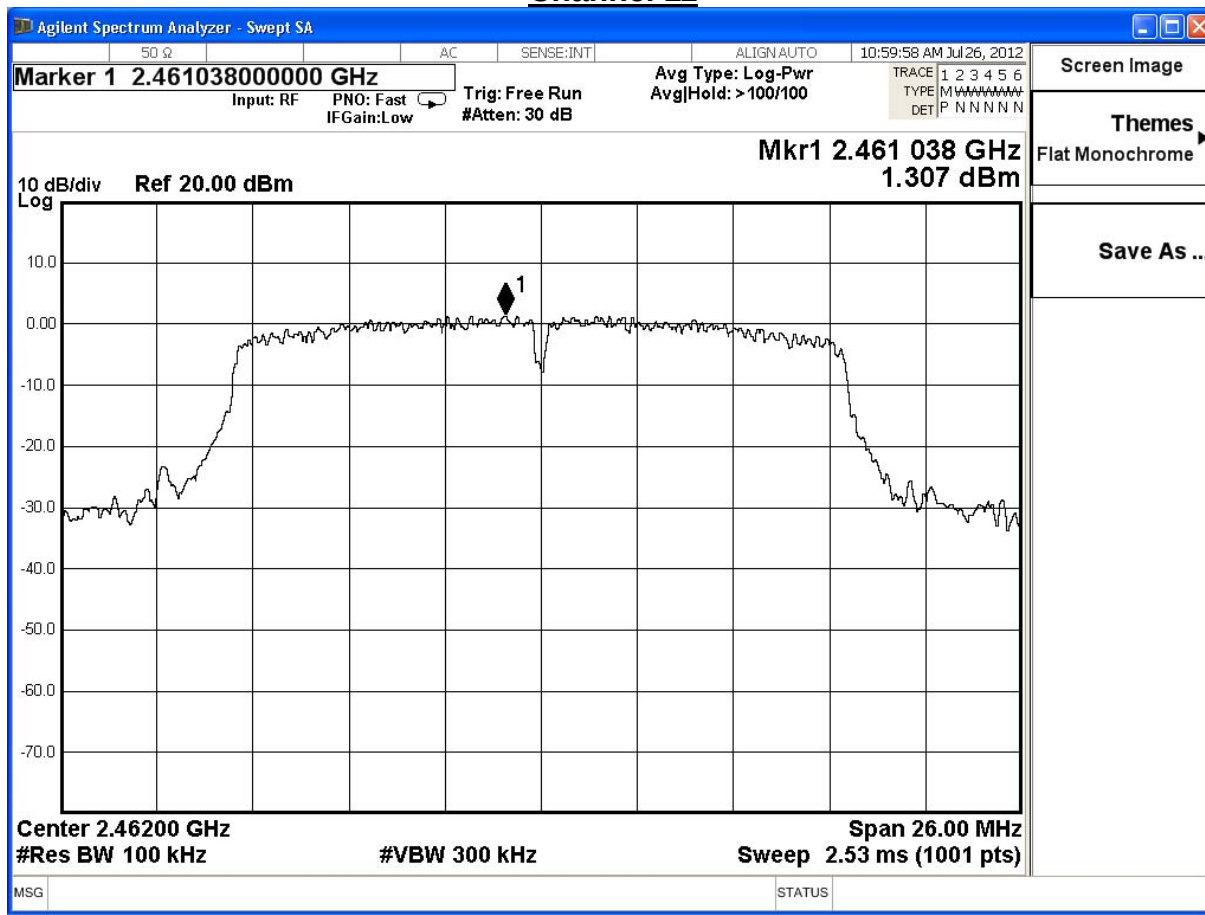
Channel 1



Channel 6



Channel 11



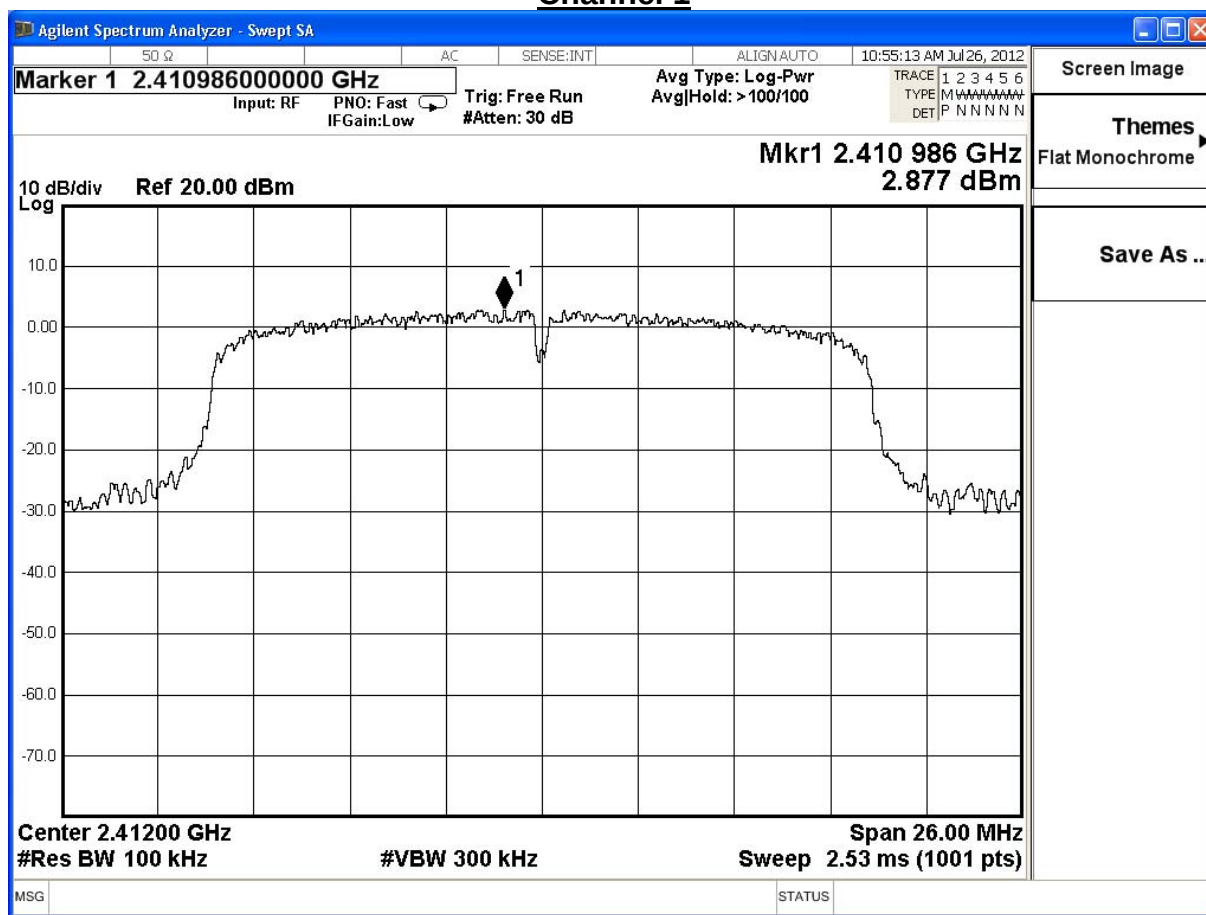
Product	5G+2.4G 2T2R AP FMC		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2012/07/26	Test Site	SR7

IEEE802.11n_20MHz_(ANT 0)

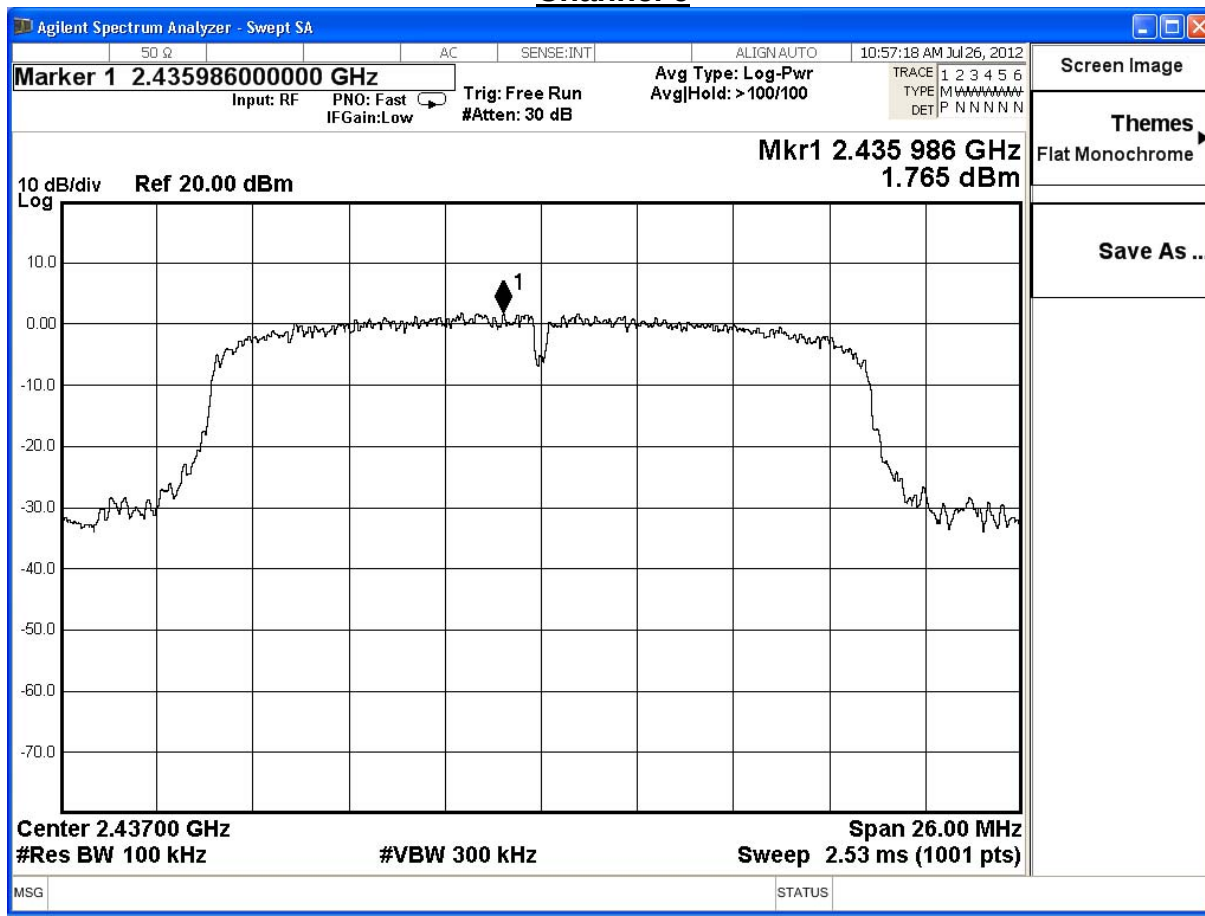
Channel No.	Frequency (MHz)	Reading Level (dBm)	Measure Level (dBm)	Limit (dBm)	Result
01	2412	2.877	-12.323	≤ 8	Pass
06	2437	1.765	-13.435	≤ 8	Pass
11	2462	1.840	-13.360	≤ 8	Pass

* Emission Level = Reading Level + BWCF = Reading Level + $10\log(3\text{kHz}/10\text{kHz})$

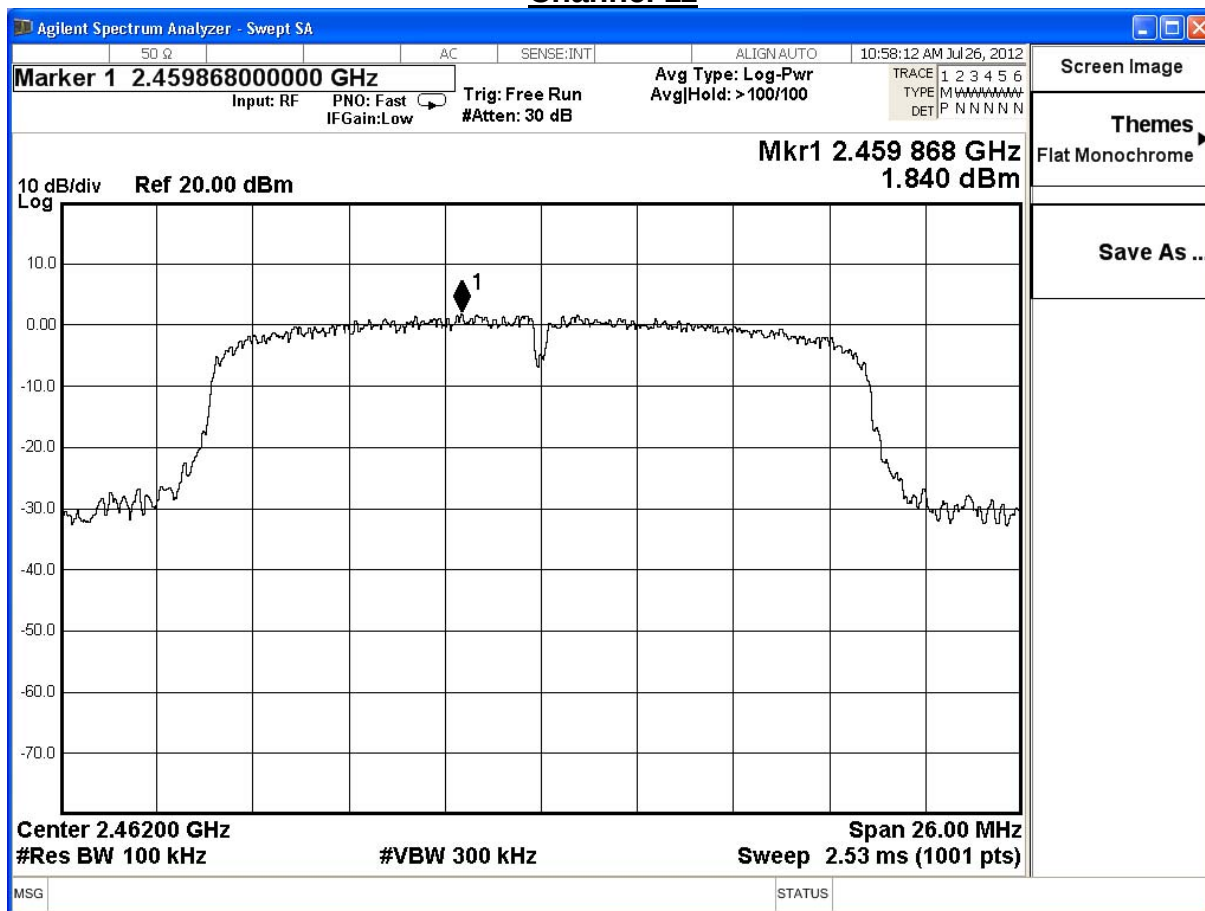
Channel 1



Channel 6



Channel 11



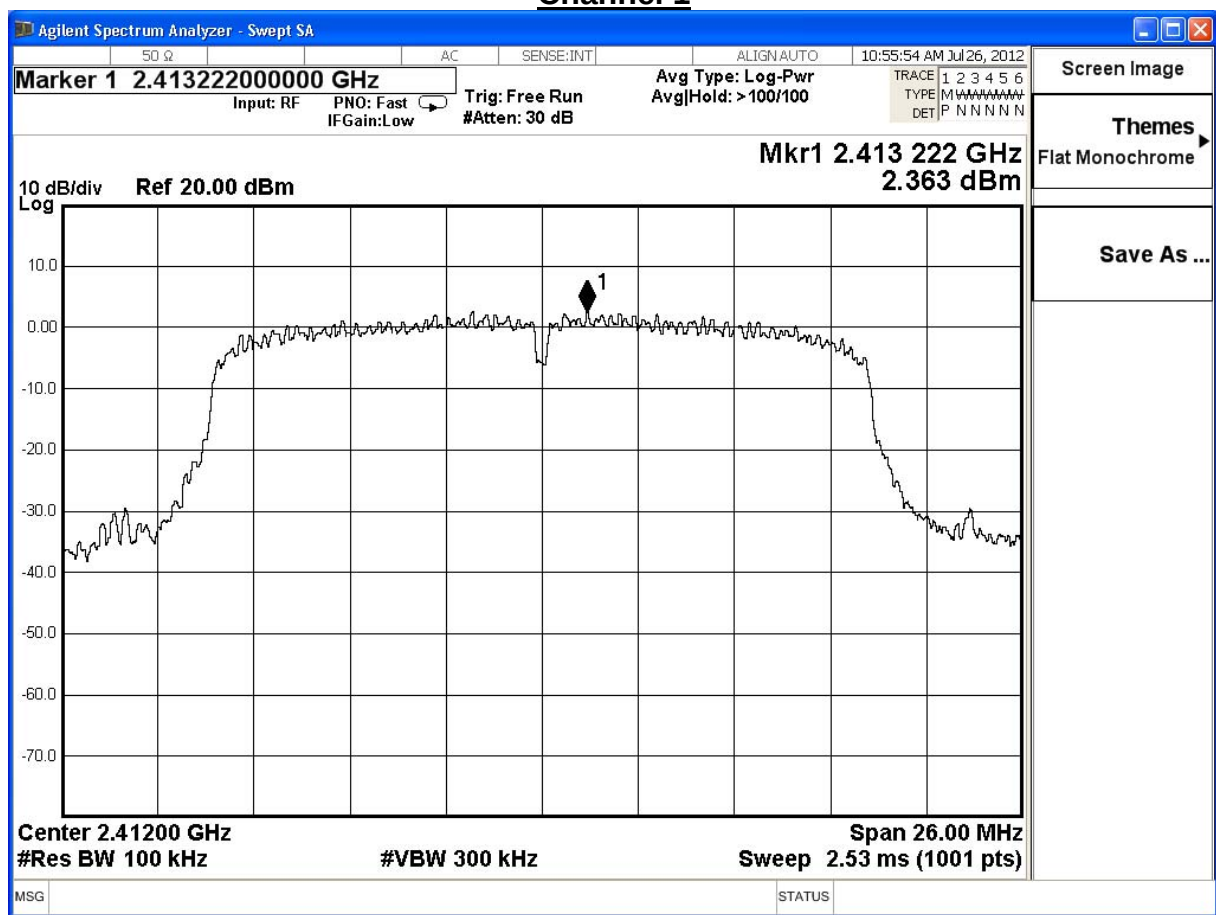
Product	5G+2.4G 2T2R AP FMC		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2012/07/26	Test Site	SR7

IEEE802.11n_20MHz_(ANT 1)

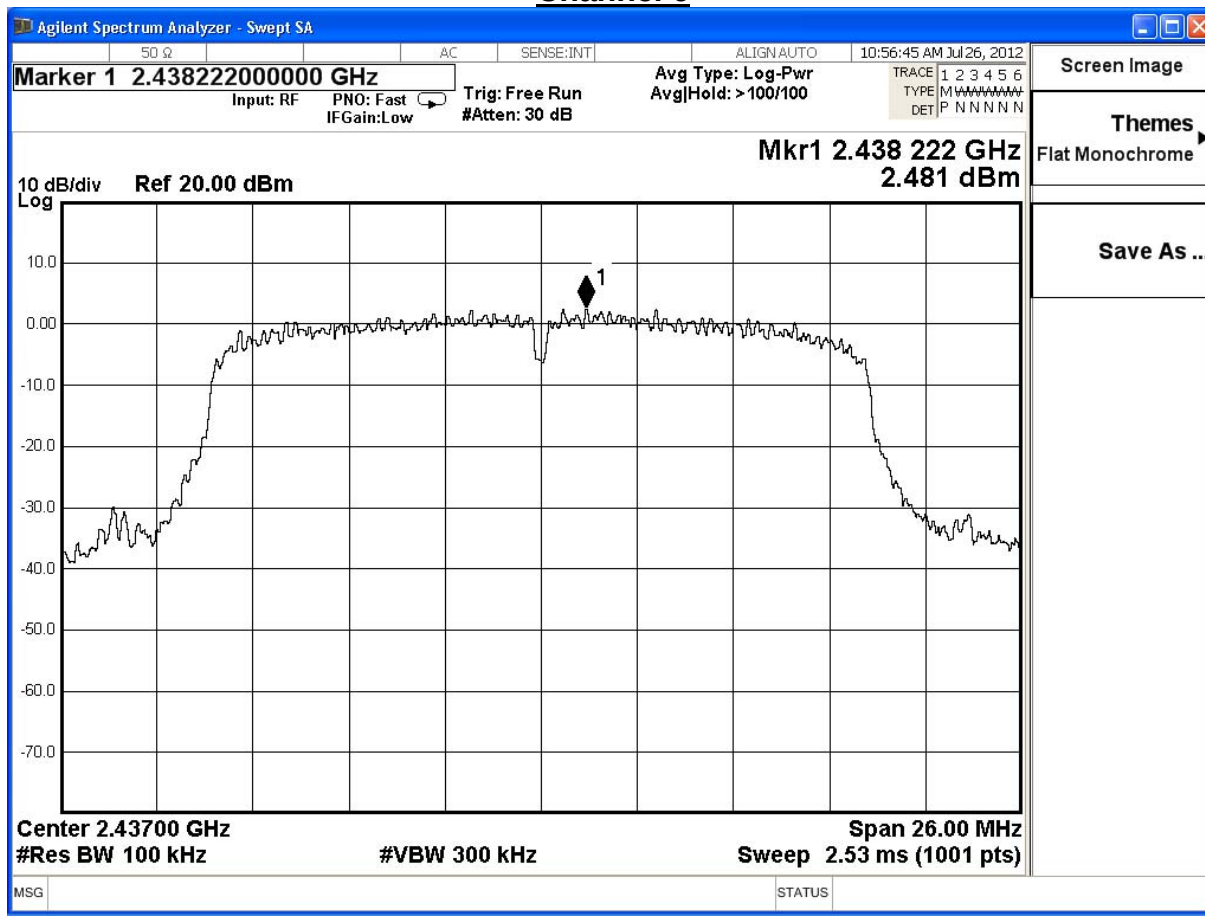
Channel No.	Frequency (MHz)	Reading Level (dBm)	Measurement (dBm)	Limit (dBm)	Result
01	2412	2.363	-12.837	≤ 8	Pass
06	2437	2.481	-12.719	≤ 8	Pass
11	2462	2.388	-12.812	≤ 8	Pass

* Emission Level = Reading Level + BWCF = Reading Level + 10log(3kHz/10kHz)

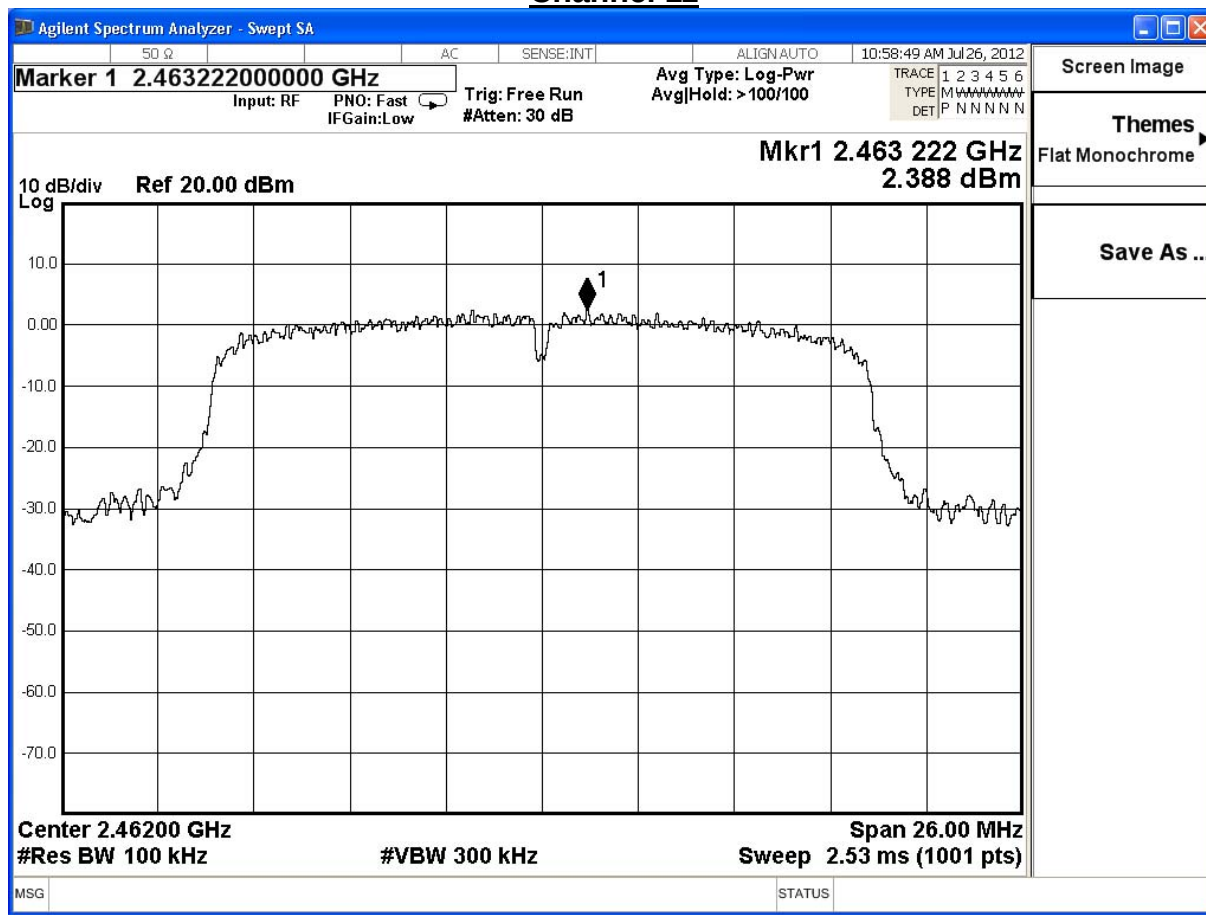
Channel 1



Channel 6



Channel 11



Product	5G+2.4G 2T2R AP FMC		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2012/07/26	Test Site	SR7

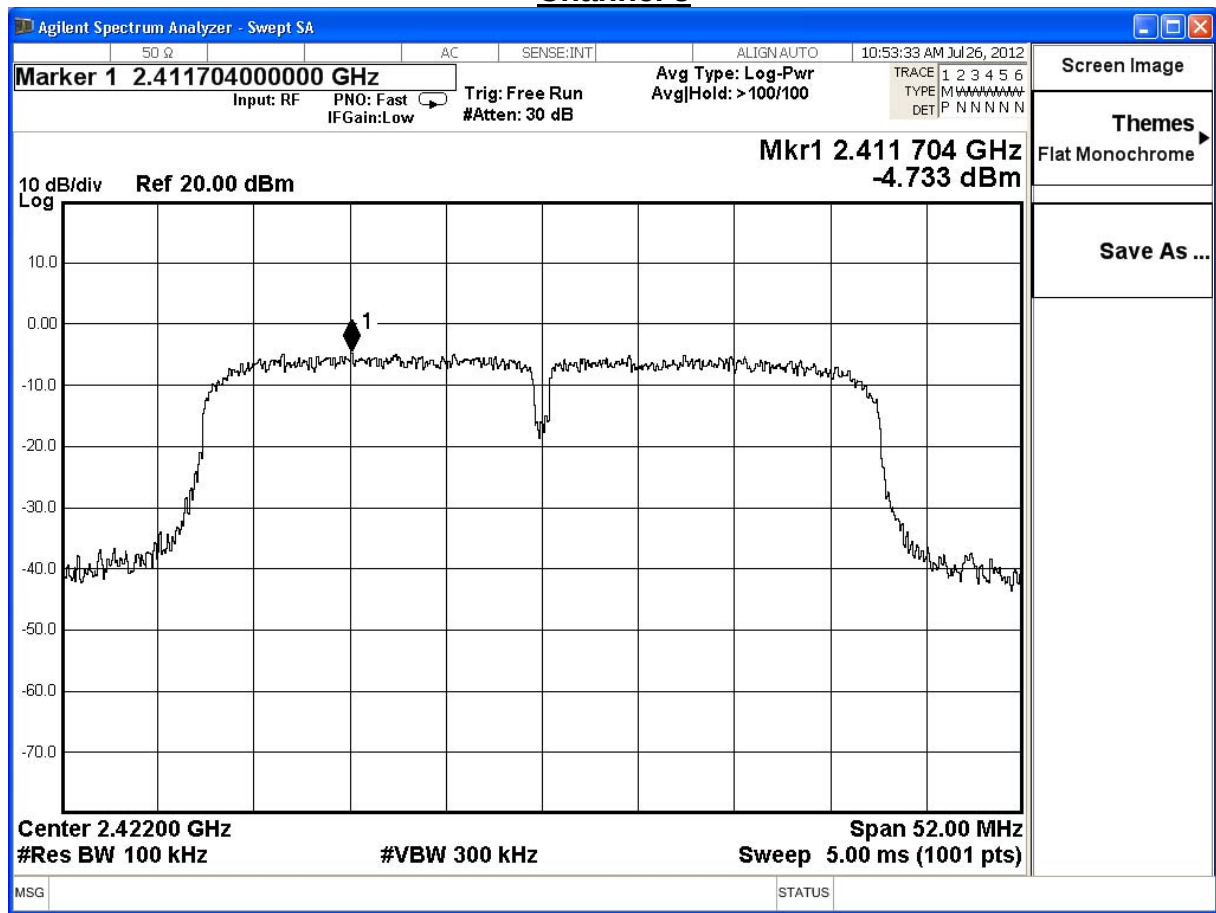
IEEE802.11n 20MHz (ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
01	2412	-9.560	≤ 8	Pass
06	2437	-10.050	≤ 8	Pass
11	2462	-10.070	≤ 8	Pass

Product	5G+2.4G 2T2R AP FMC		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2012/07/26	Test Site	SR7

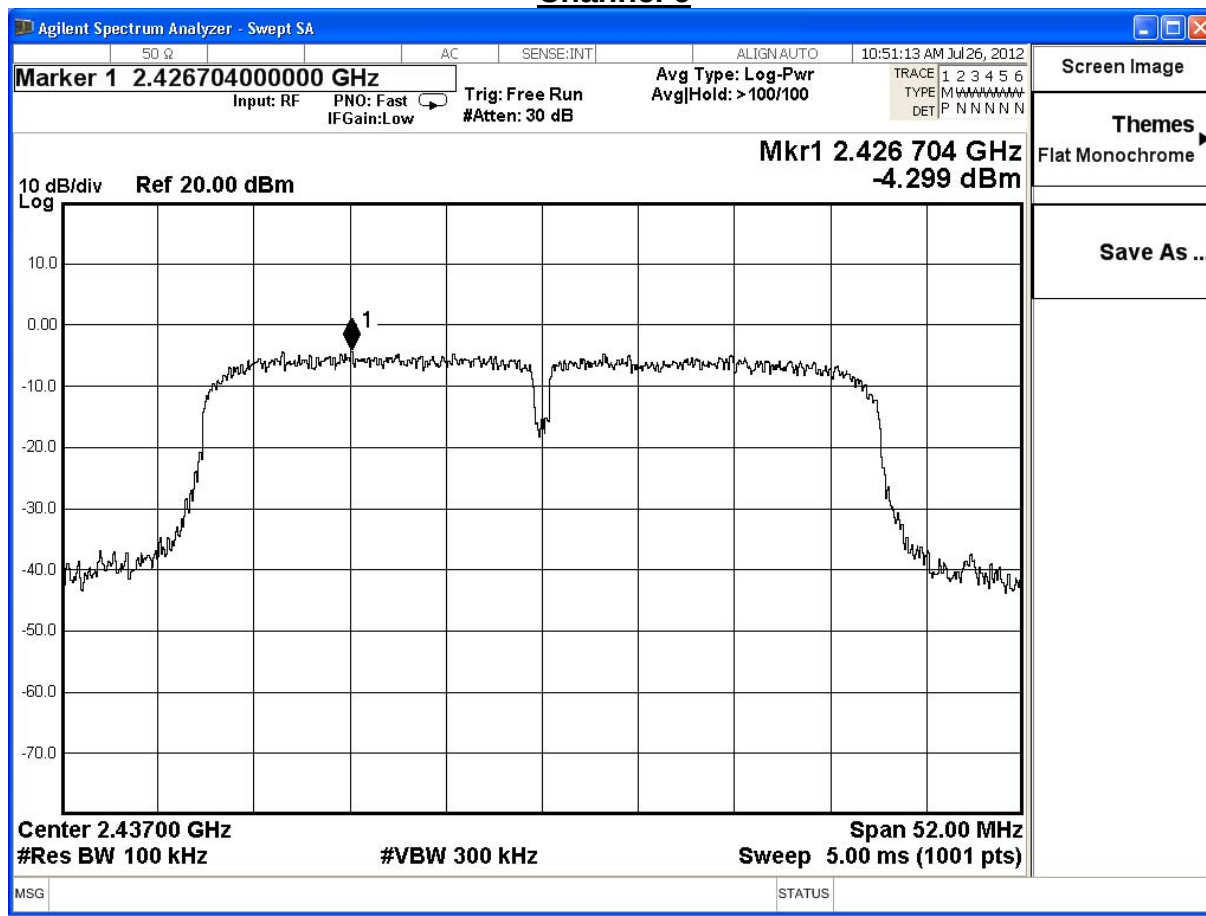
IEEE 802.11n_40MHz (ANT 0)					
Channel No.	Frequency (MHz)	Reading Level (dBm)	Measurement (dBm)	Limit (dBm)	Result
03	2422	-4.733	-19.933	≤ 8	Pass
06	2437	-4.299	-19.499	≤ 8	Pass
09	2452	-6.938	-22.138	≤ 8	Pass

* Emission Level = Reading Level + BWCF = Reading Level + $10\log(3\text{kHz}/10\text{kHz})$

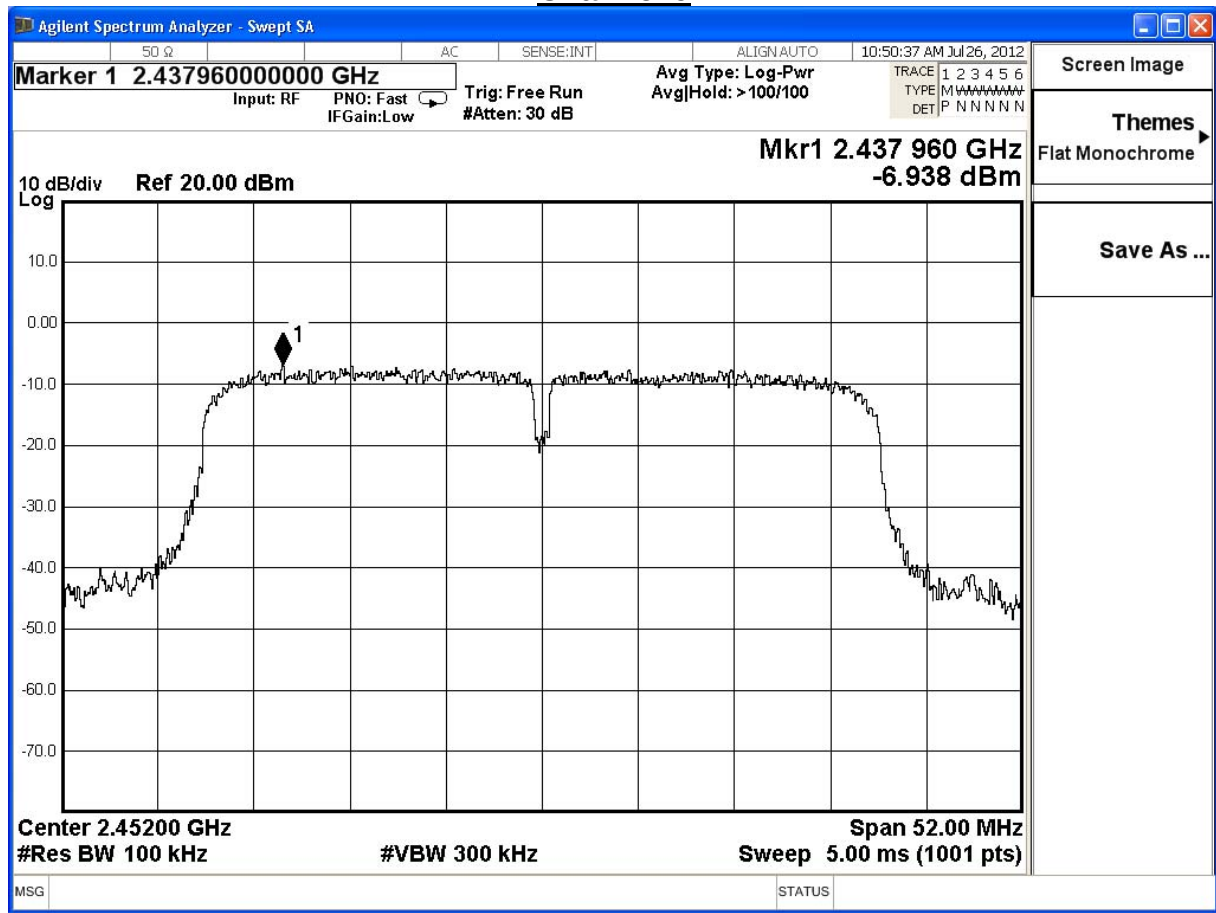
Channel 3



Channel 6



Channel 9

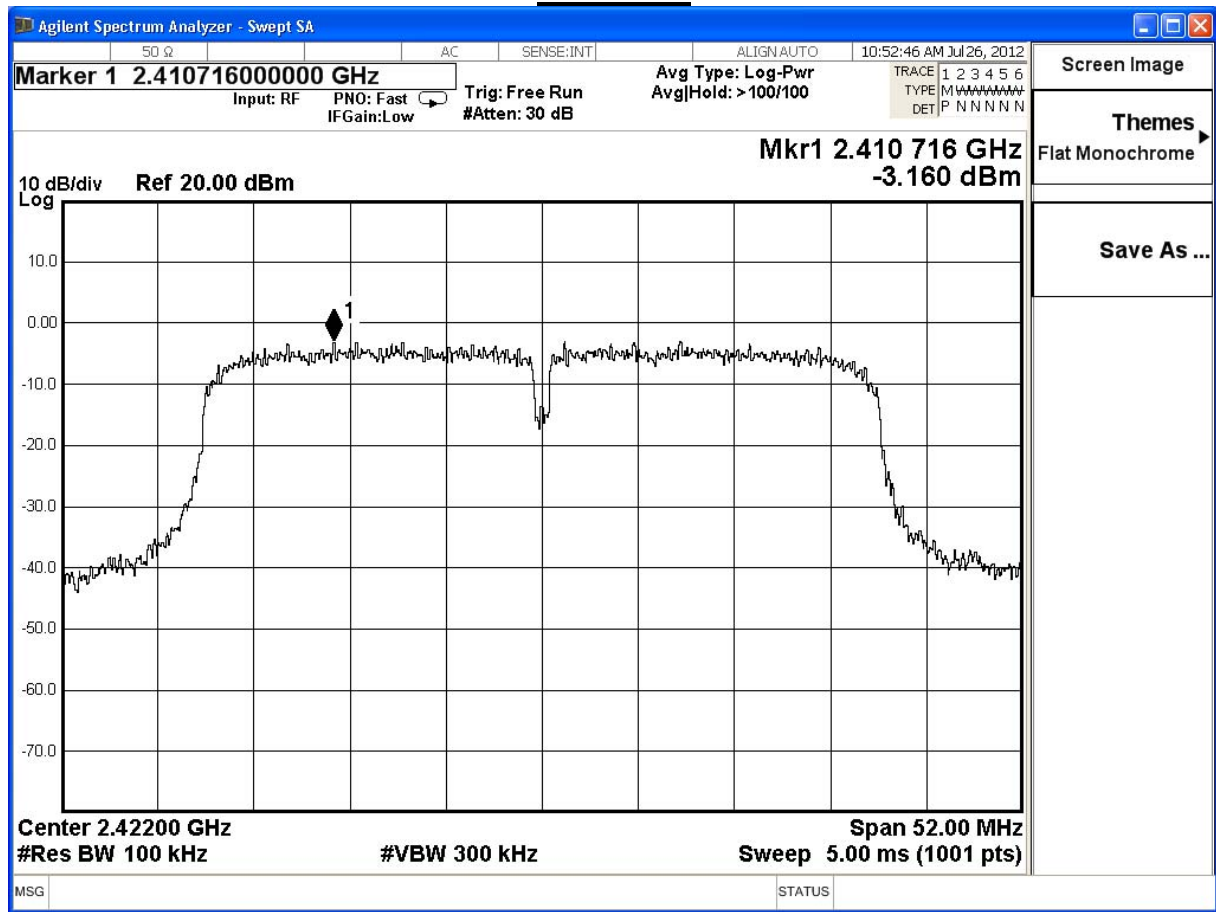


Product	5G+2.4G 2T2R AP FMC		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2012/07/26	Test Site	SR7

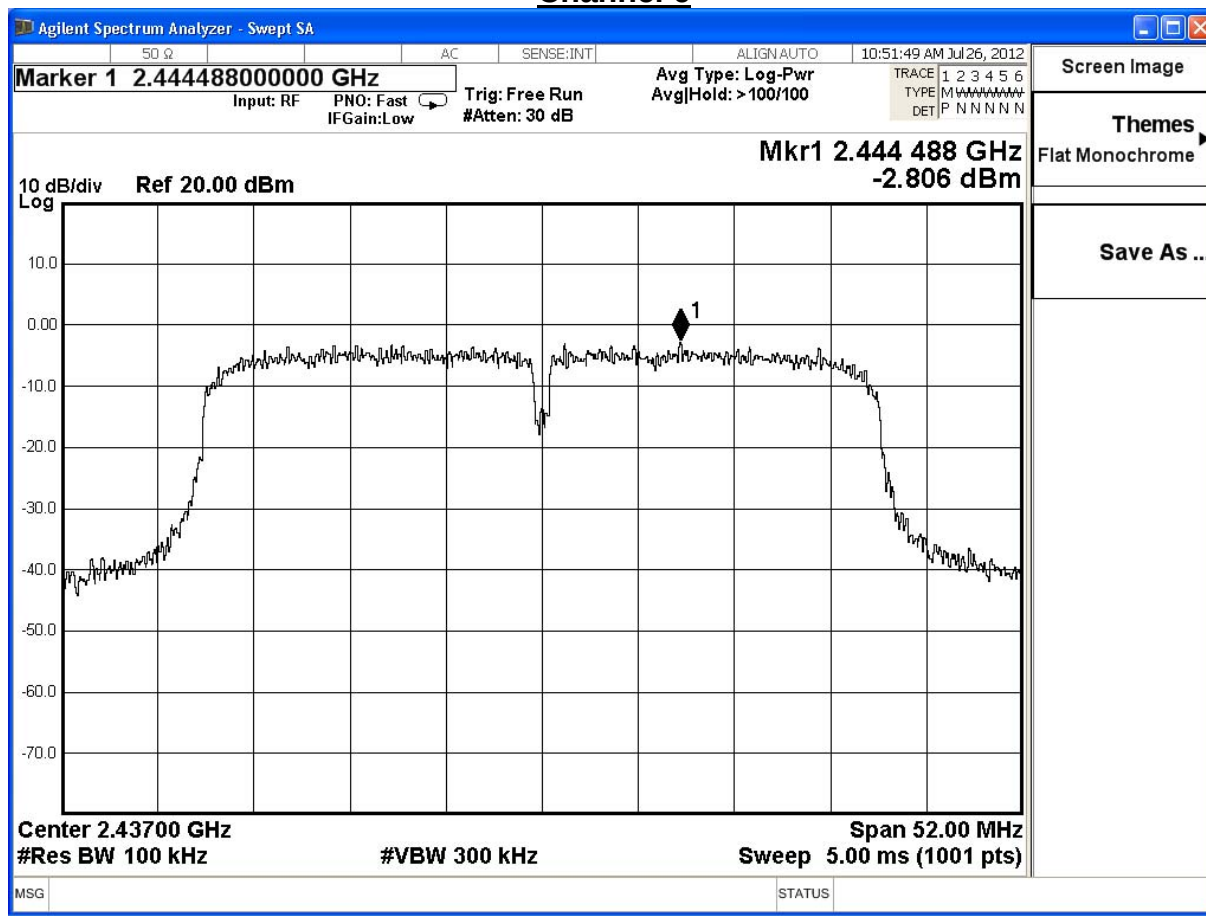
IEEE 802.11n_40MHz (ANT 1)					
Channel No.	Frequency (MHz)	Reading Level (dBm)	Measure Level (dBm)	Limit (dBm)	Result
03	2422	-3.160	-18.360	≤ 8	Pass
06	2437	-2.806	-18.006	≤ 8	Pass
09	2452	-4.800	-20.000	≤ 8	Pass

* Emission Level = Reading Level + BWCF = Reading Level + $10\log(3\text{kHz}/10\text{kHz})$

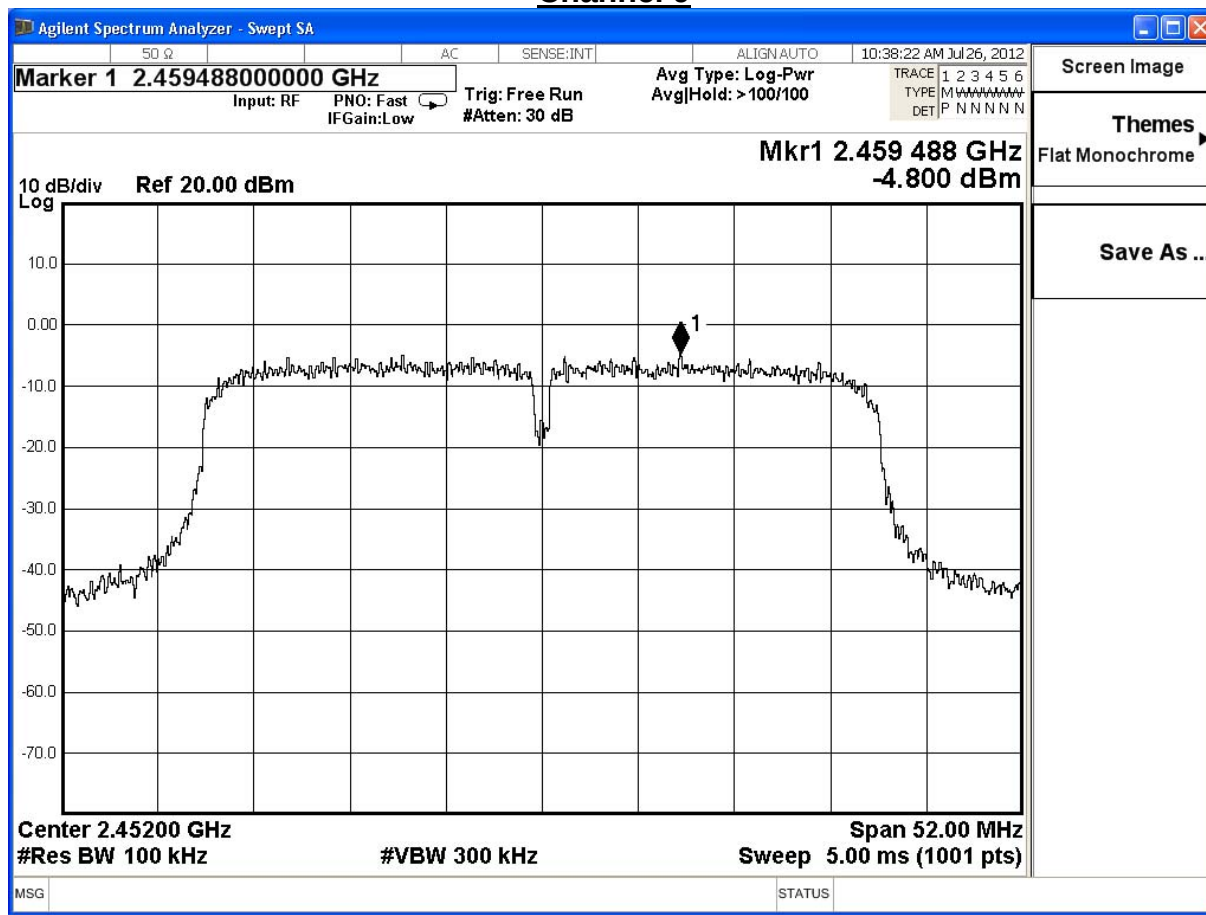
Channel 3



Channel 6



Channel 9



Product	5G+2.4G 2T2R AP FMC		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2012/07/26	Test Site	SR7

IEEE802.11n 40MHz(ANT 0+1)

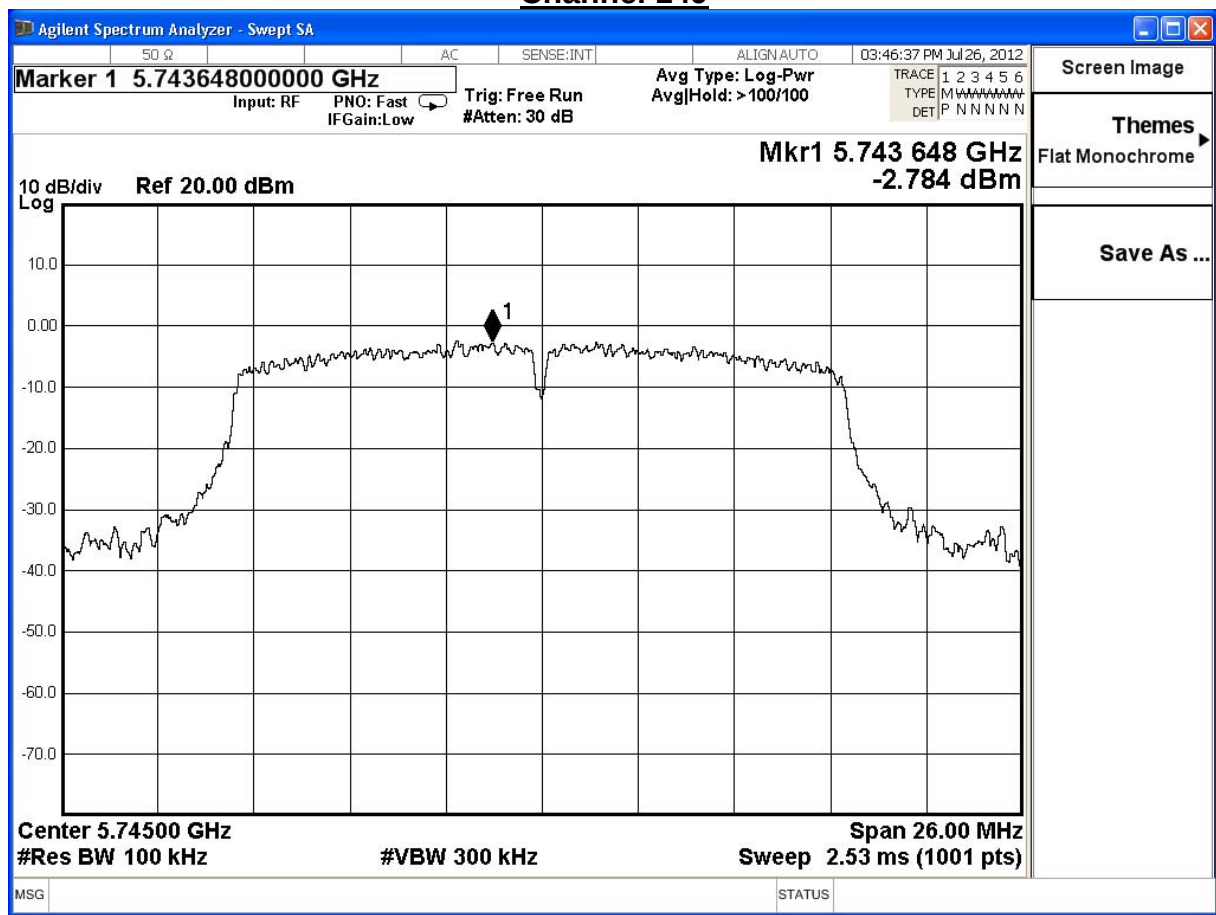
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
03	2422	-16.070	≤ 8	Pass
06	2437	-15.680	≤ 8	Pass
09	2452	-17.930	≤ 8	Pass

Product	5G+2.4G 2T2R AP FMC		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2012/07/26	Test Site	SR7

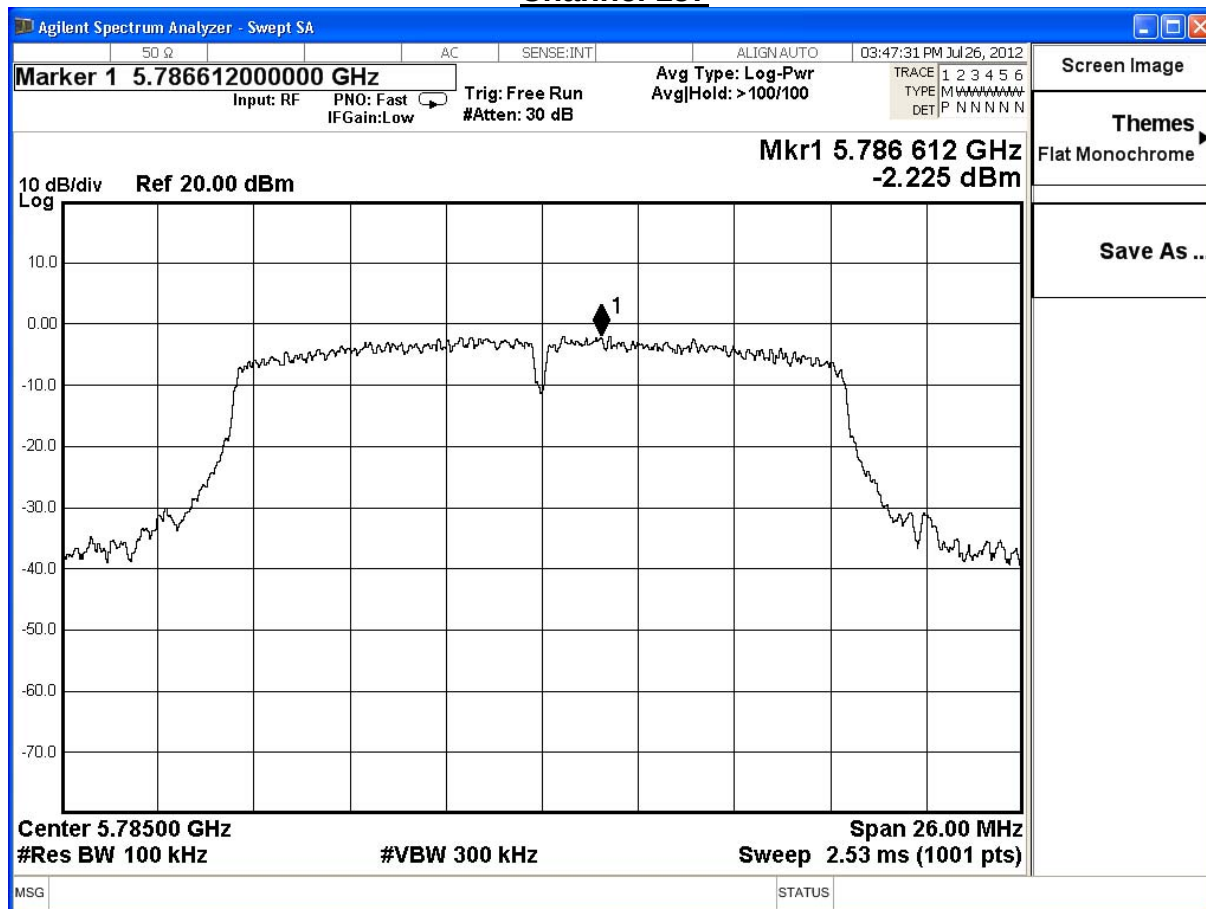
IEEE 802.11a					
Channel No.	Frequency (MHz)	Reading Level (dBm)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-2.784	-17.984	≤ 8	Pass
157	5785	-2.225	-17.425	≤ 8	Pass
165	5825	-1.275	-16.475	≤ 8	Pass

* Emission Level = Reading Level + BWCF = Reading Level + $10\log(3\text{kHz}/10\text{kHz})$

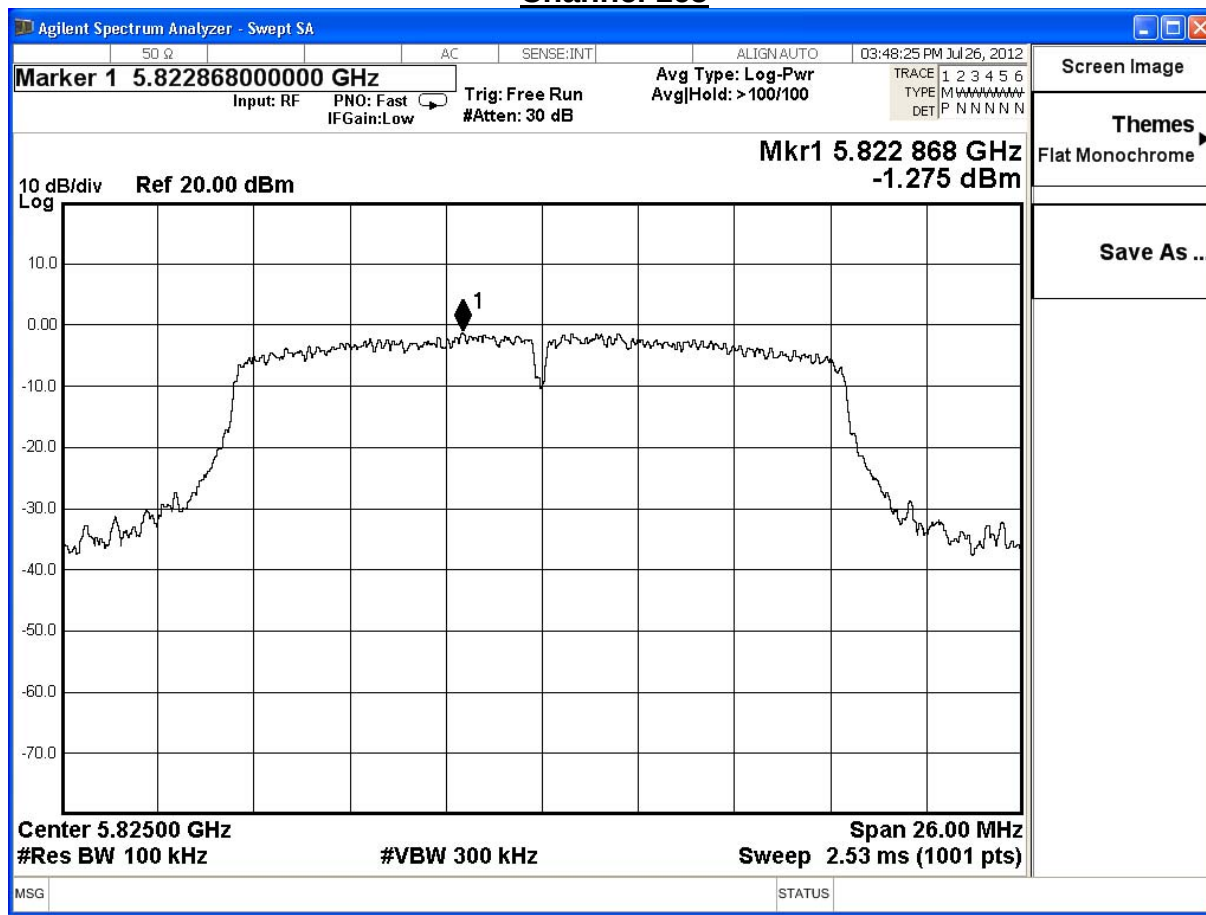
Channel 149



Channel 157



Channel 165



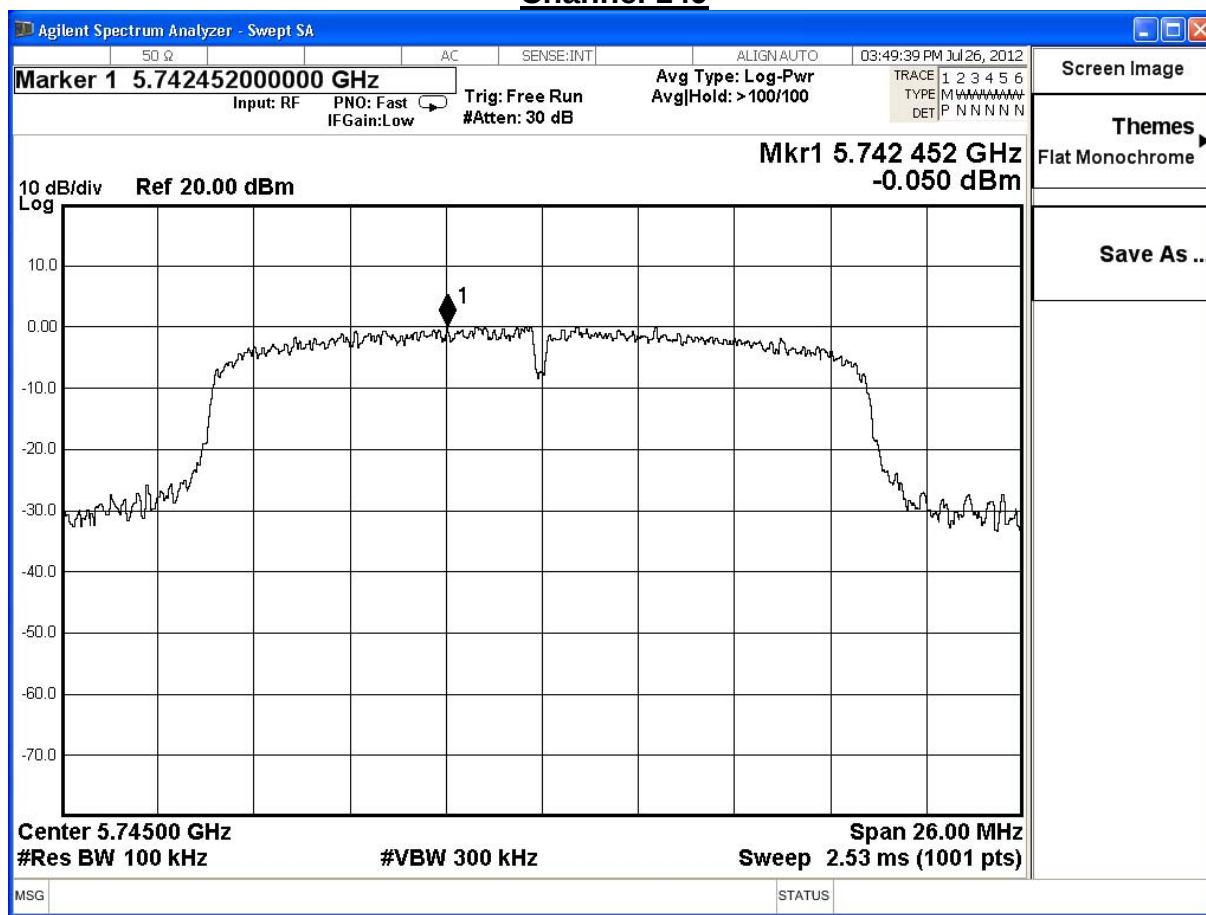
Product	5G+2.4G 2T2R AP FMC		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2012/07/26	Test Site	SR7

IEEE802.11n_20MHz_(ANT 0)

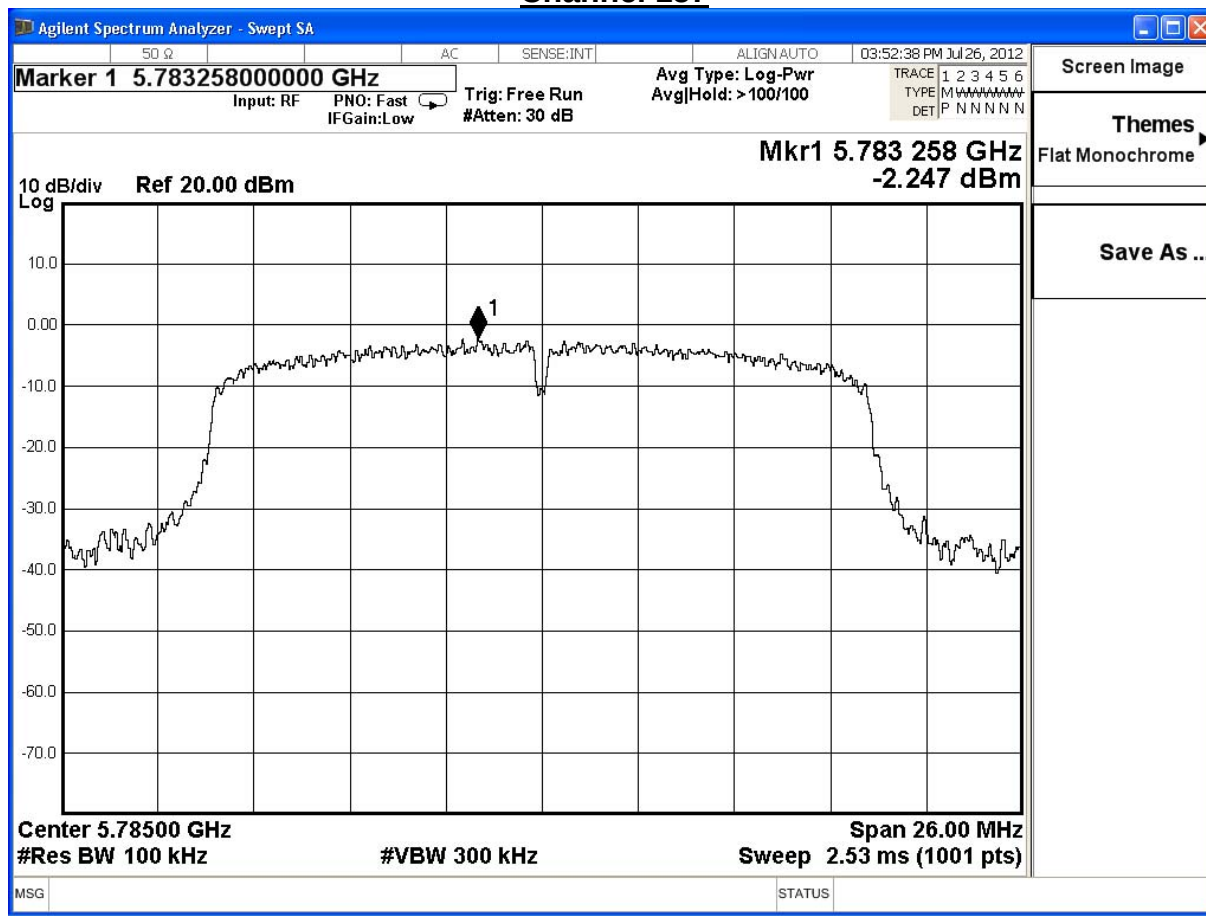
Channel No.	Frequency (MHz)	Reading Level (dBm)	Measurement (dBm)	Limit (dBm)	Result
149	5745	-0.050	-15.250	≤ 8	Pass
157	5785	-2.247	-17.447	≤ 8	Pass
165	5825	-2.223	-17.423	≤ 8	Pass

* Emission Level = Reading Level + BWCF = Reading Level + $10\log(3\text{kHz}/10\text{kHz})$

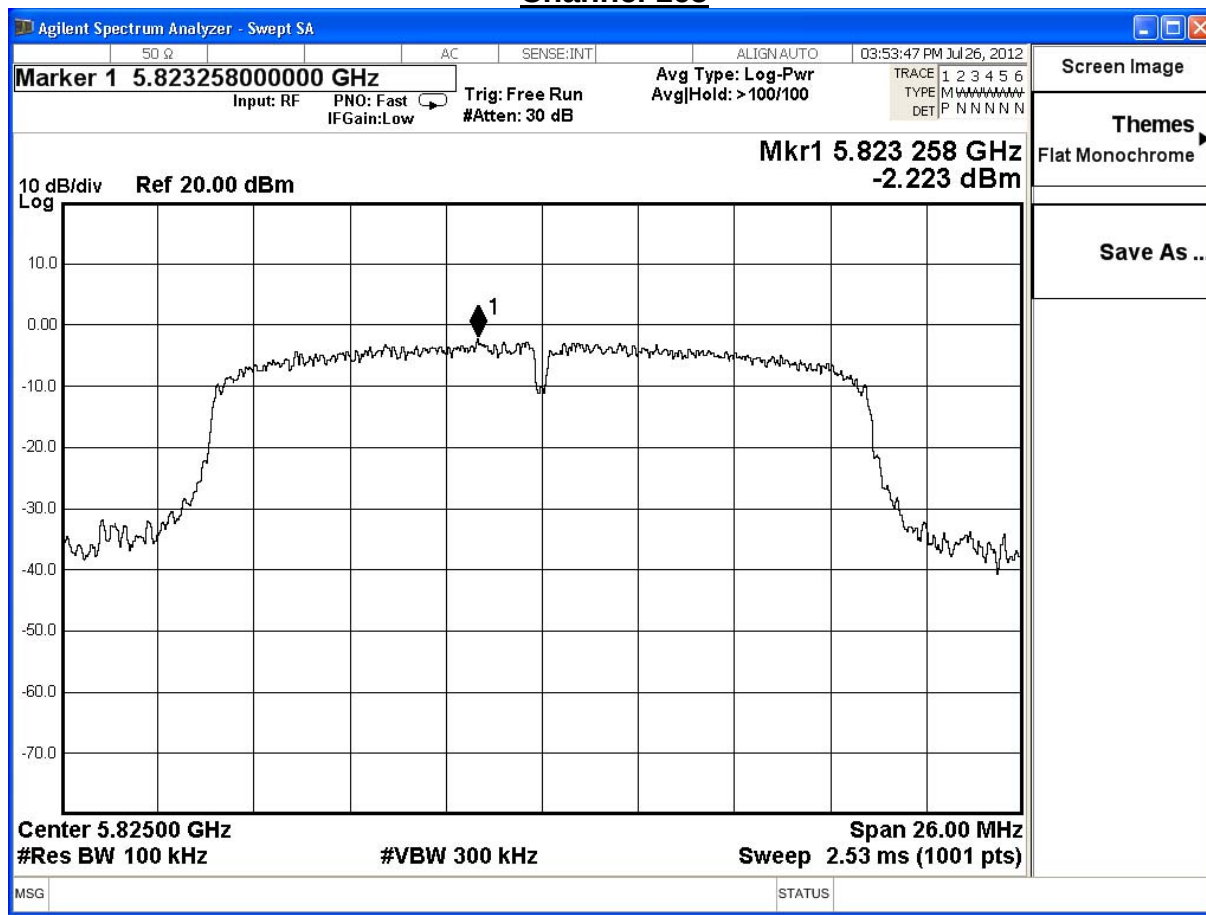
Channel 149



Channel 157



Channel 165

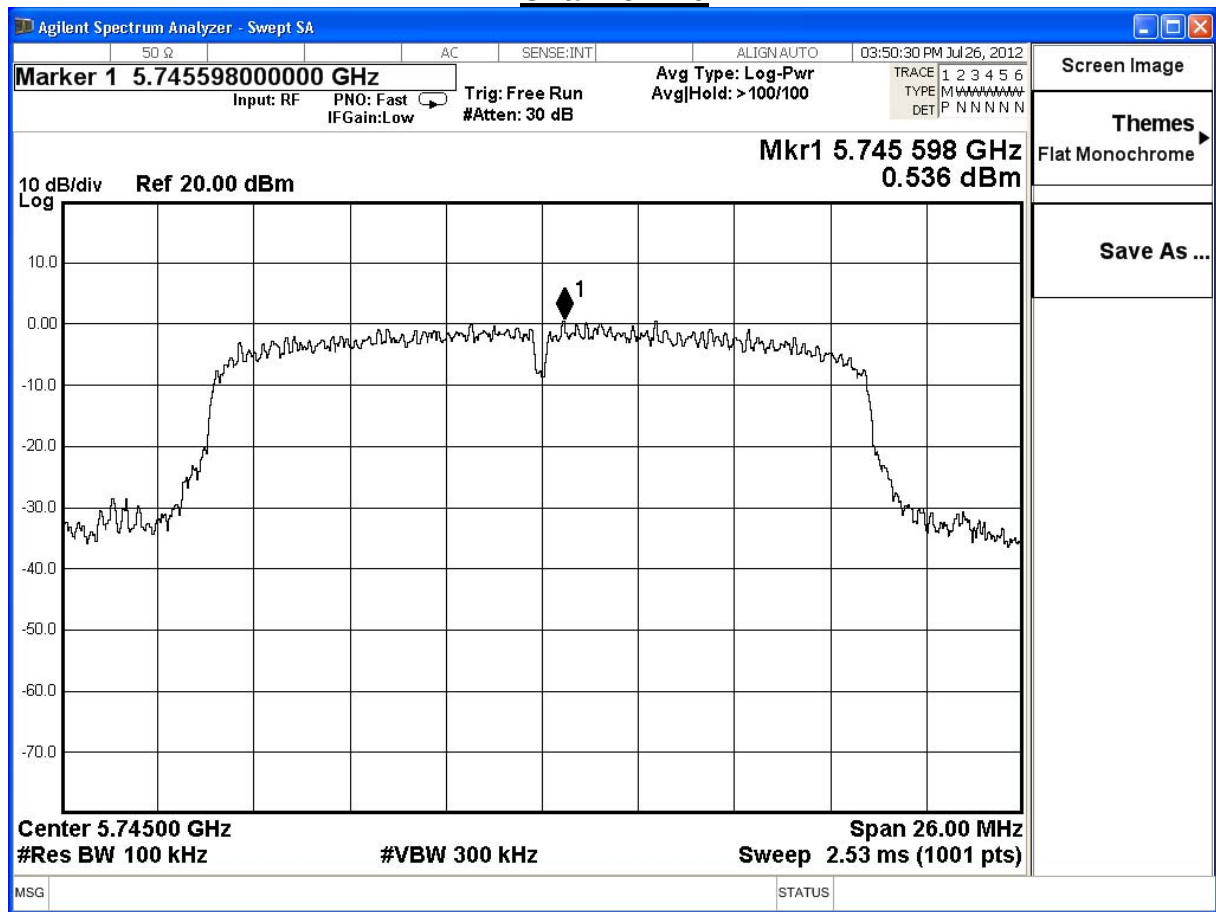


Product	5G+2.4G 2T2R AP FMC		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2012/07/26	Test Site	SR7

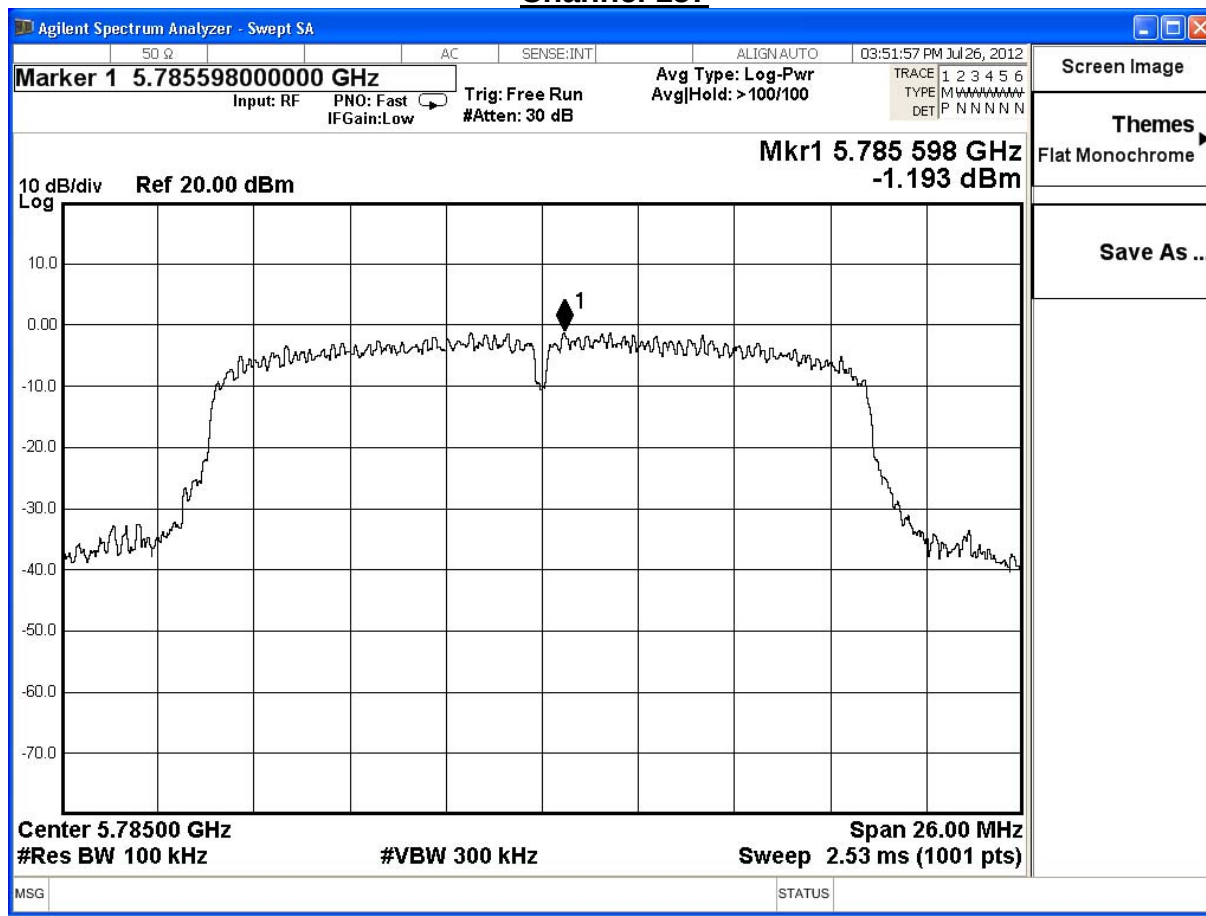
IEEE802.11n_20MHz_(ANT 1)					
Channel No.	Frequency (MHz)	Reading Level (dBm)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	0.536	-14.664	≤ 8	Pass
157	5785	-1.193	-16.393	≤ 8	Pass
165	5825	-1.383	-16.583	≤ 8	Pass

* Emission Level = Reading Level + BWCF = Reading Level + $10\log(3\text{kHz}/10\text{kHz})$

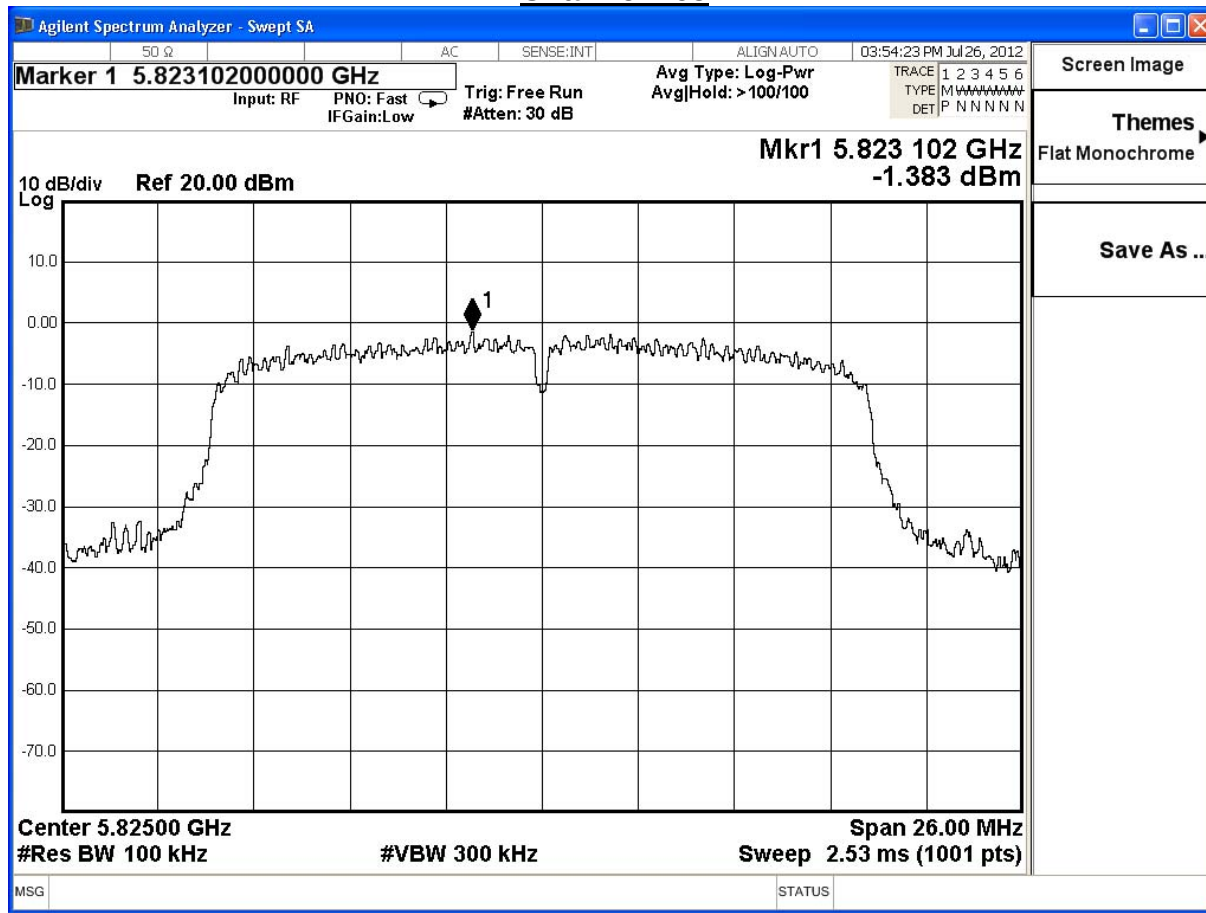
Channel 149



Channel 157



Channel 165



Product	5G+2.4G 2T2R AP FMC		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2012/07/26	Test Site	SR7

IEEE802.11n 20MHz(ANT 0+1)

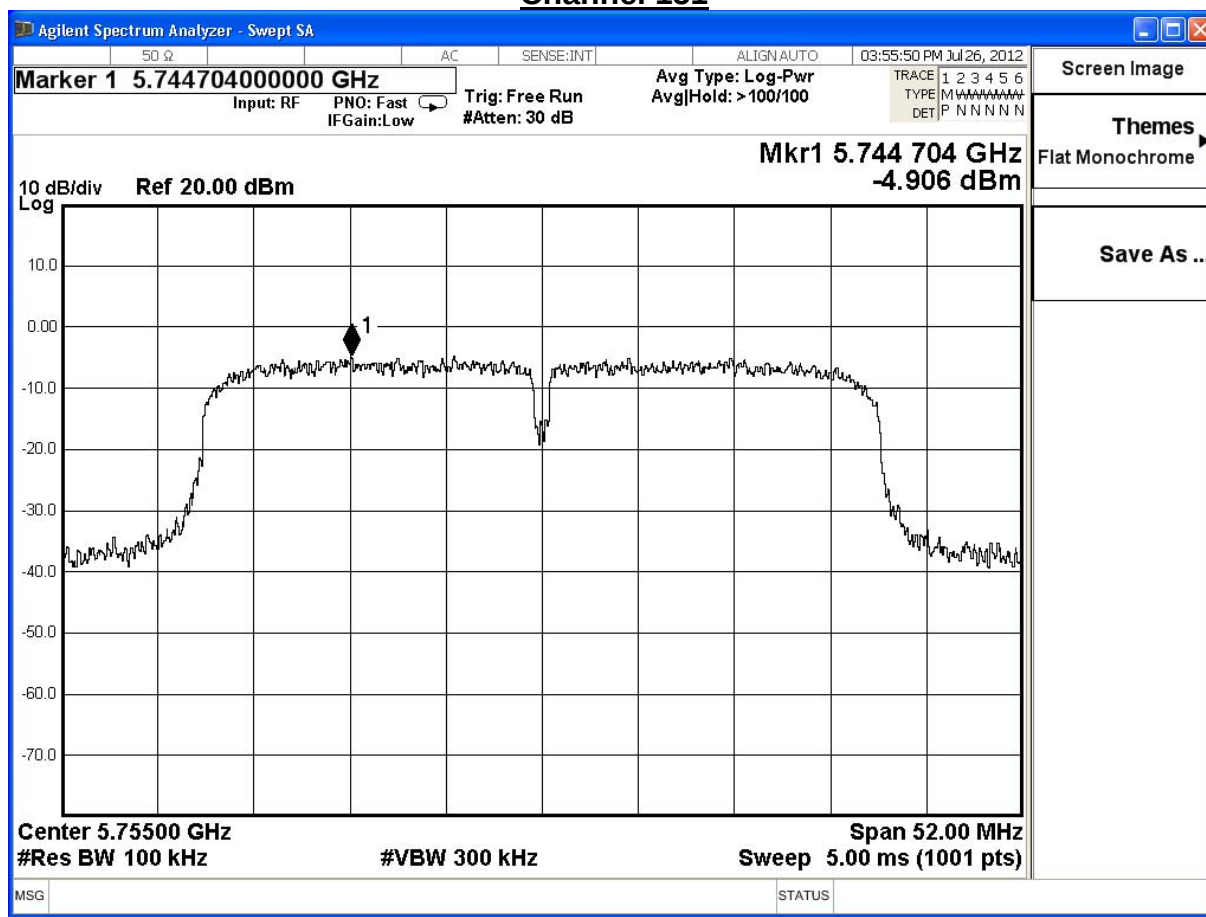
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-11.940	≤ 8	Pass
157	5785	-13.880	≤ 8	Pass
165	5825	-13.970	≤ 8	Pass

Product	5G+2.4G 2T2R AP FMC		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2012/07/26	Test Site	SR7

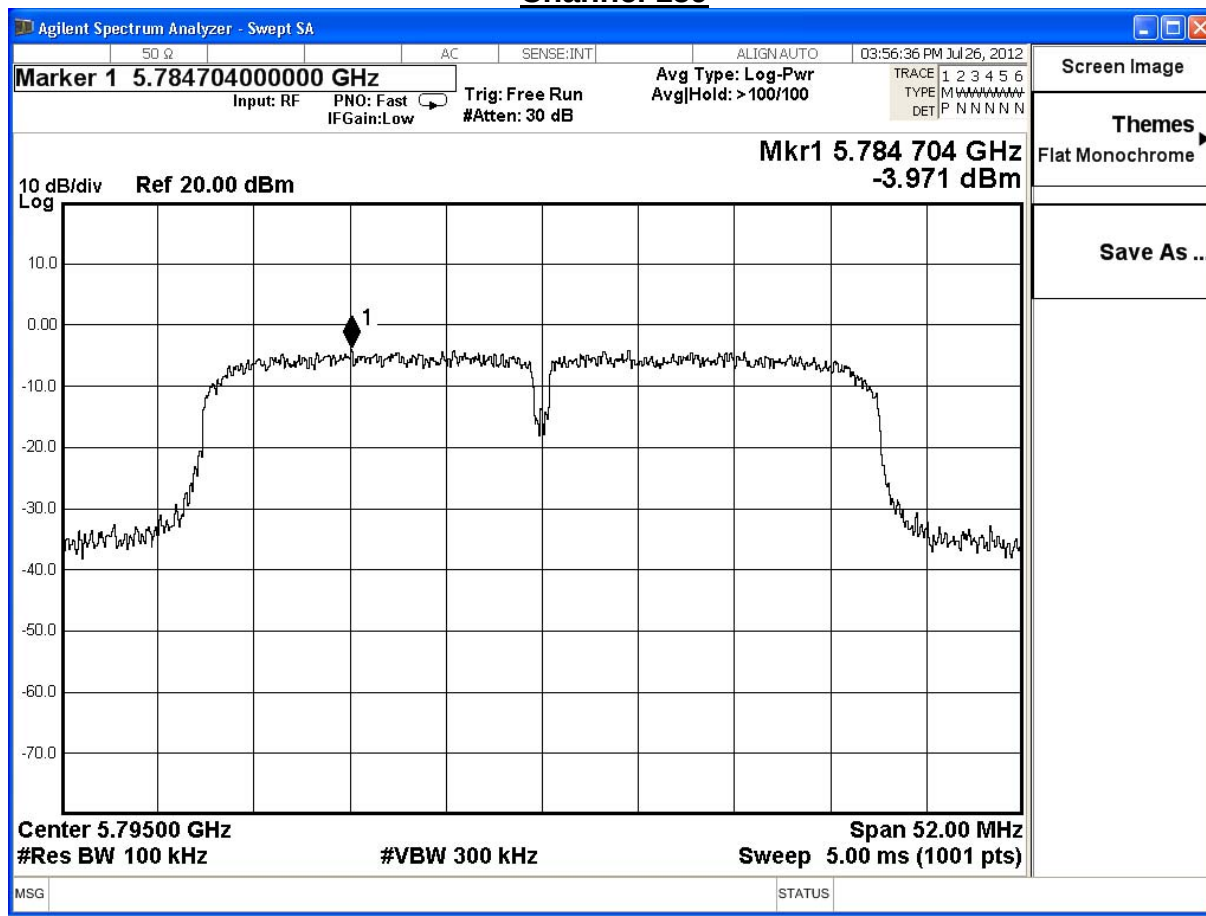
IEEE 802.11n_40MHz (ANT 0)					
Channel No.	Frequency (MHz)	Reading Level (dBm)	Measurement (dBm)	Limit (dBm)	Result
151	5755	-4.906	-20.106	≤ 8	Pass
159	5795	-3.971	-19.171	≤ 8	Pass

* Emission Level = Reading Level + BWCF = Reading Level + $10\log(3\text{kHz}/10\text{kHz})$

Channel 151



Channel 159

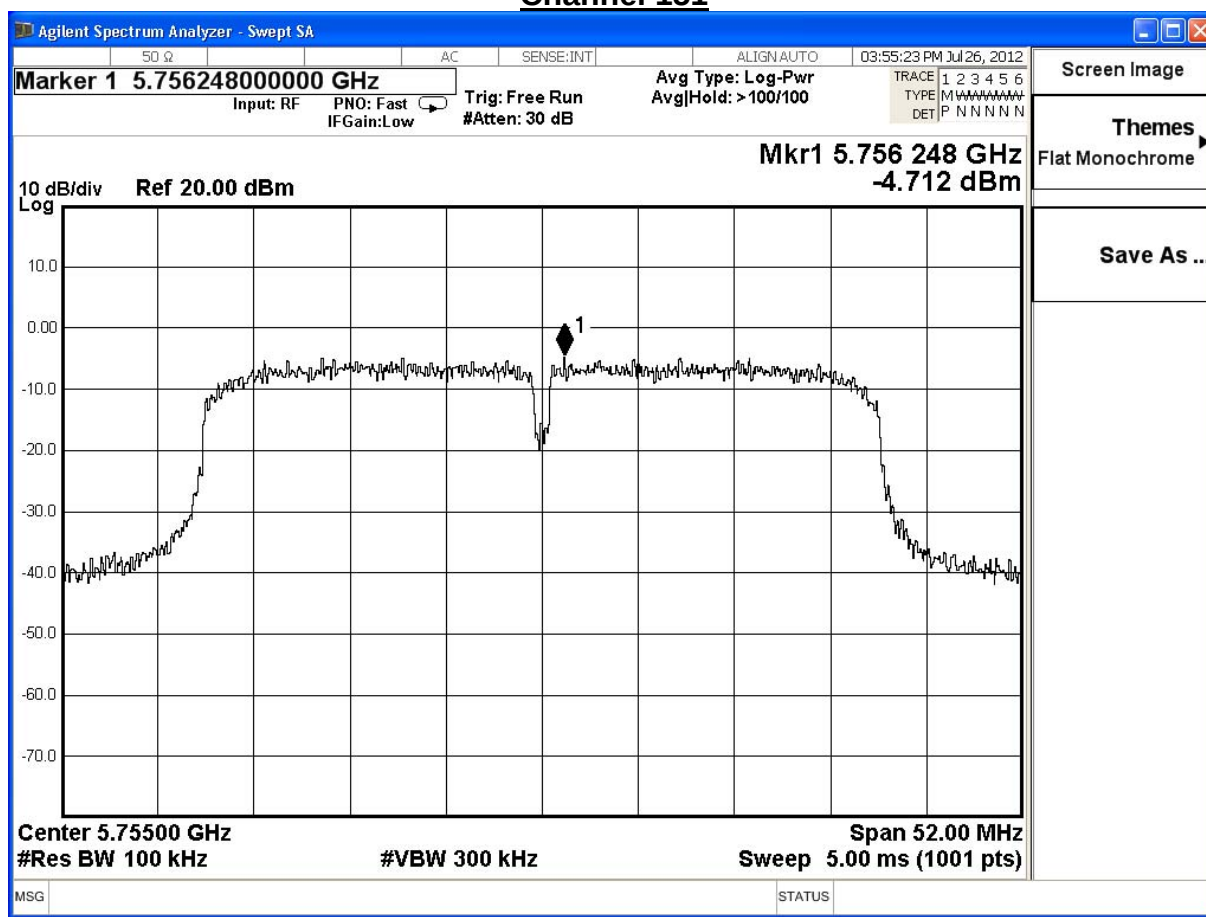


Product	5G+2.4G 2T2R AP FMC		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2012/07/26	Test Site	SR7

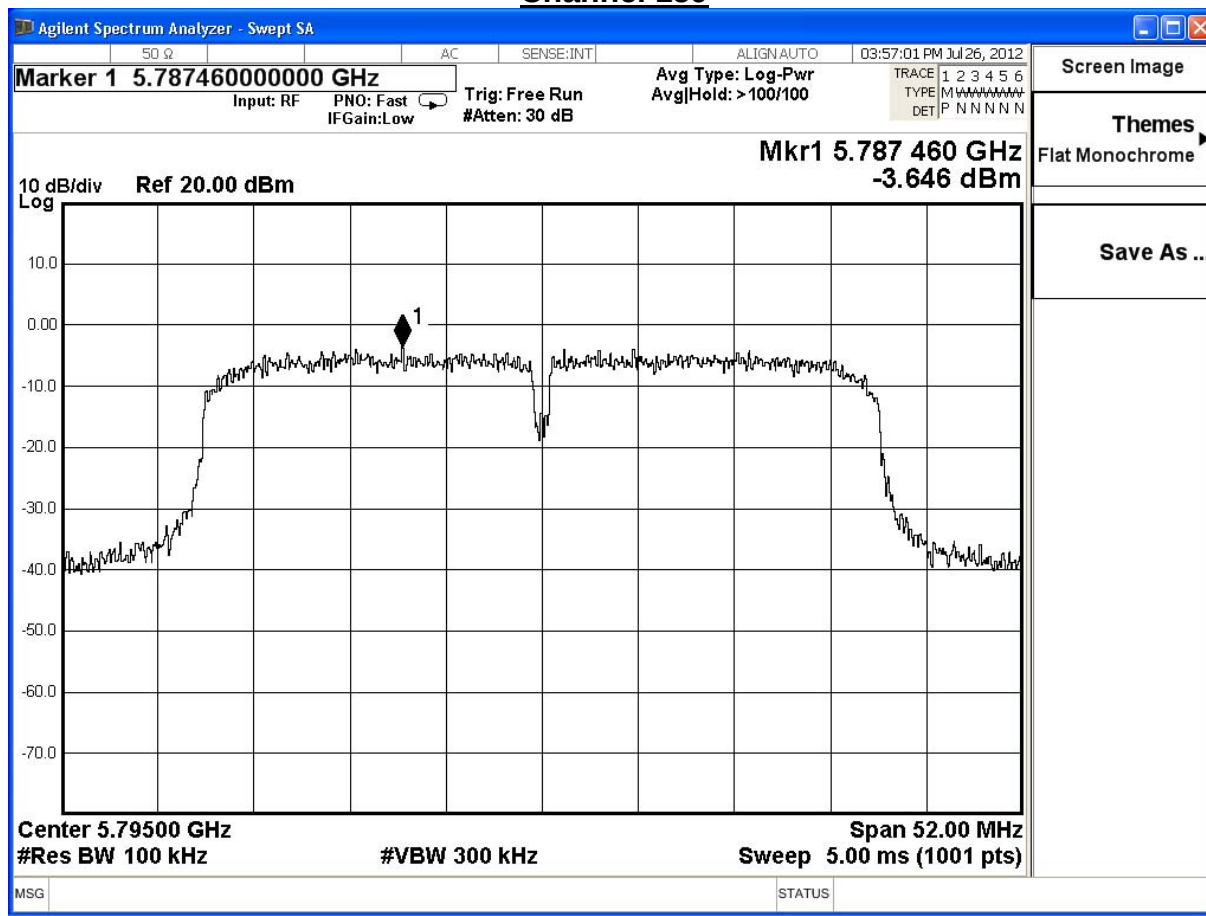
IEEE 802.11n_40MHz (ANT 1)					
Channel No.	Frequency (MHz)	Reading Level (dBm)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	-4.712	-19.912	≤ 8	Pass
159	5795	-3.646	-18.846	≤ 8	Pass

* Emission Level = Reading Level + BWCF = Reading Level + $10\log(3\text{kHz}/10\text{kHz})$

Channel 151



Channel 159



Product	5G+2.4G 2T2R AP FMC		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2012/07/26	Test Site	SR7

IEEE802.11n 40MHz(ANT 0+1)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	-17.000	≤ 8	Pass
159	5795	-16.000	≤ 8	Pass