

7. DTS Bandwidth

7.1. Test Equipment

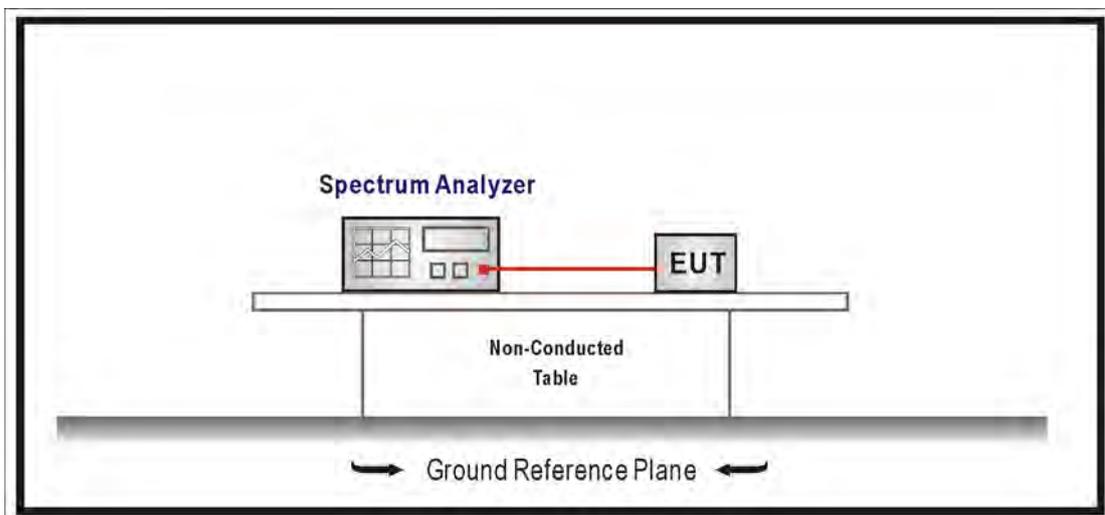
The following test equipments are used during the test:

DTS Bandwidth / SR10-H

| Instrument | Manufacturer | Model No. | Serial No | Next Cal. Date |
|----------------------------|--------------|-----------|-----------|----------------|
| Signal & Spectrum Analyzer | R&S | FSV40 | 101049 | 2018/01/22 |

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

7.2. Test Setup



7.3. Test Procedures

The EUT was setup according to ANSI C63.10:2013; tested procedure section 8.1 of KDB558074 v03r05 for compliance to FCC 47CFR 15.247 requirements. Set RBW = 100KHz, Set the VBW $\geq 3 \times$ RBW, Sweep Time=Auto, Set Peak Detector.

7.4. Limits

The 6 dB bandwidth must be greater than 500 kHz.

7.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2015

7.6. Uncertainty

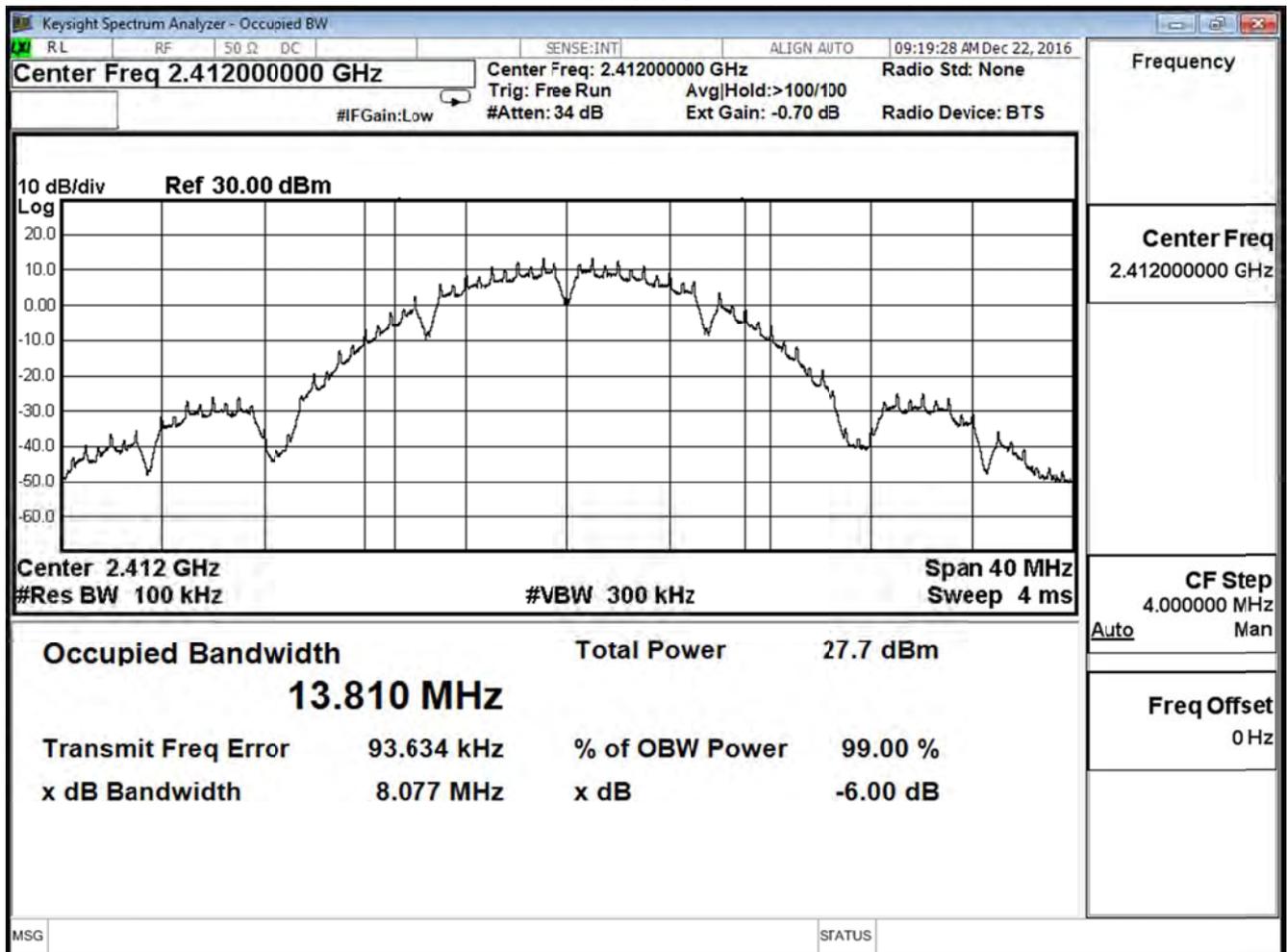
The measurement uncertainty is defined as $\pm 150\text{Hz}$

7.7. Test Result

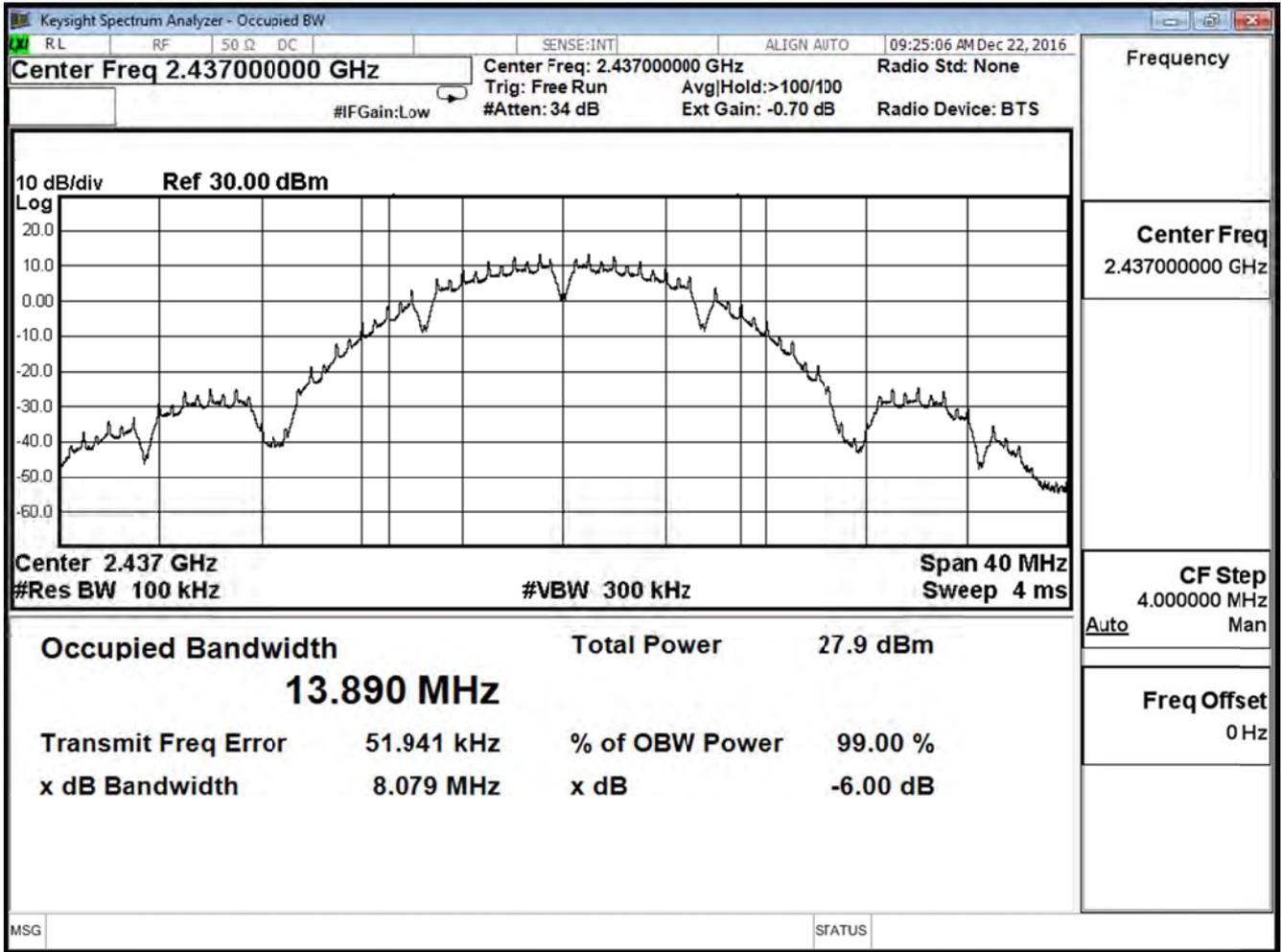
| | | | |
|--------------|------------------------------------|-----------|--------|
| Product | Lyra mini | | |
| Test Item | DTS Bandwidth | | |
| Test Mode | Mode 1: Tx-AD2037320910LF-CDD Mode | | |
| Date of Test | 2016/12/22 | Test Site | SR10-H |

| 802.11 b (ANT 0) | | | | |
|------------------|-----------------|---------------------|-------------|--------|
| Channel No. | Frequency (MHz) | Measure Level (MHz) | Limit (MHz) | Result |
| 1 | 2412 | 8.08 | ≥ 0.5 | Pass |
| 6 | 2437 | 8.08 | ≥ 0.5 | Pass |
| 11 | 2462 | 8.07 | ≥ 0.5 | Pass |

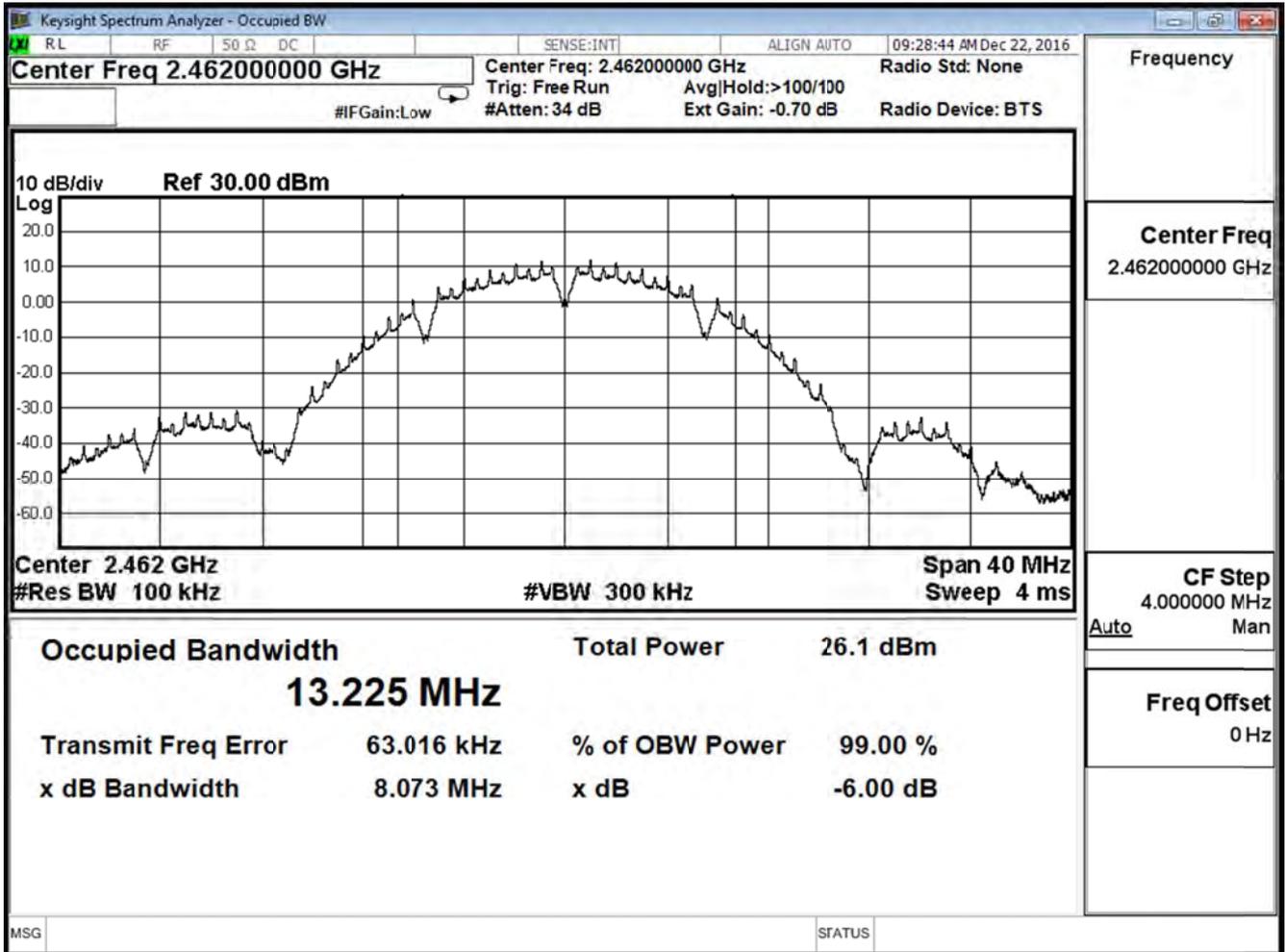
Channel 1



Channel 6



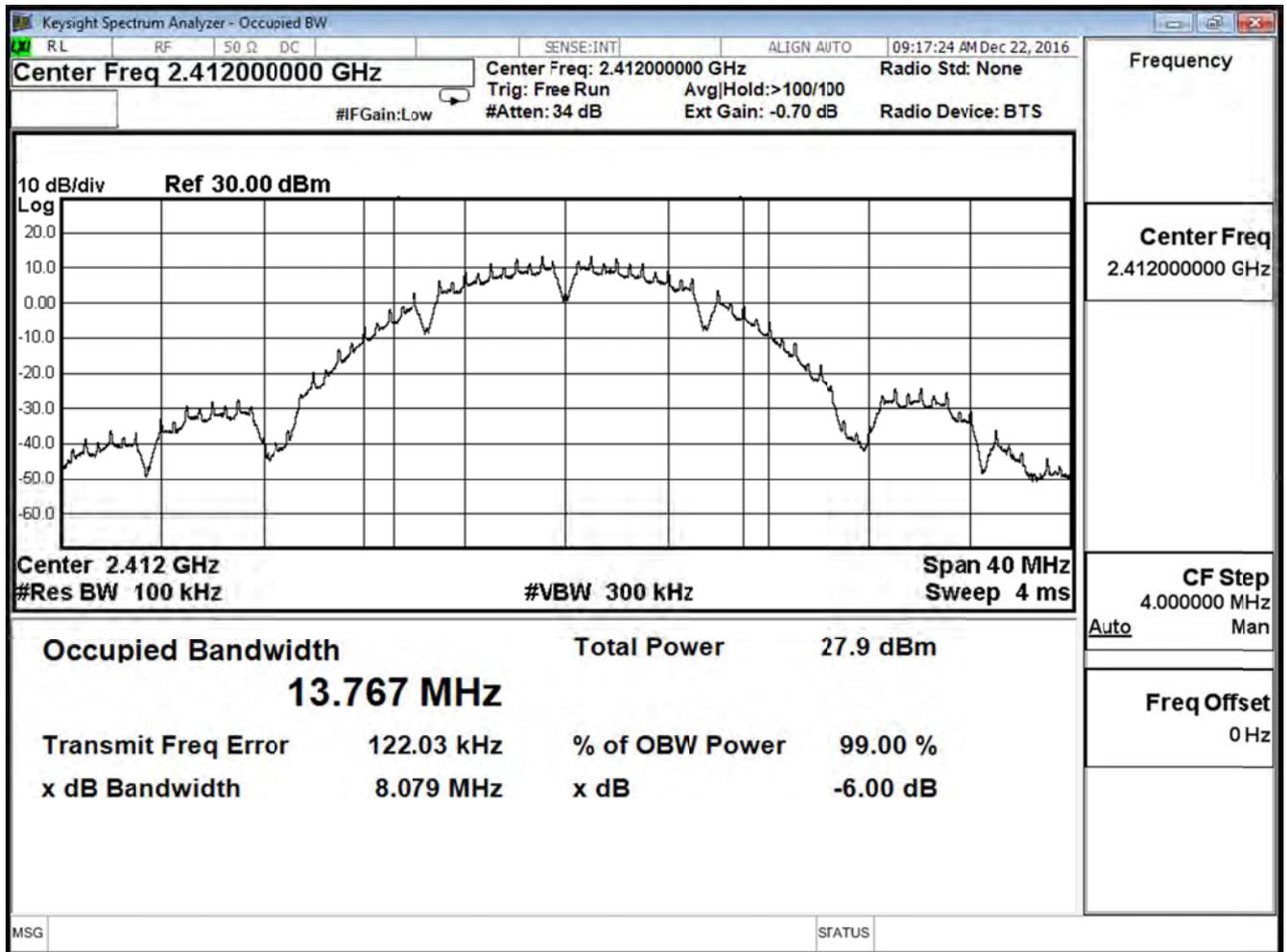
Channel 11



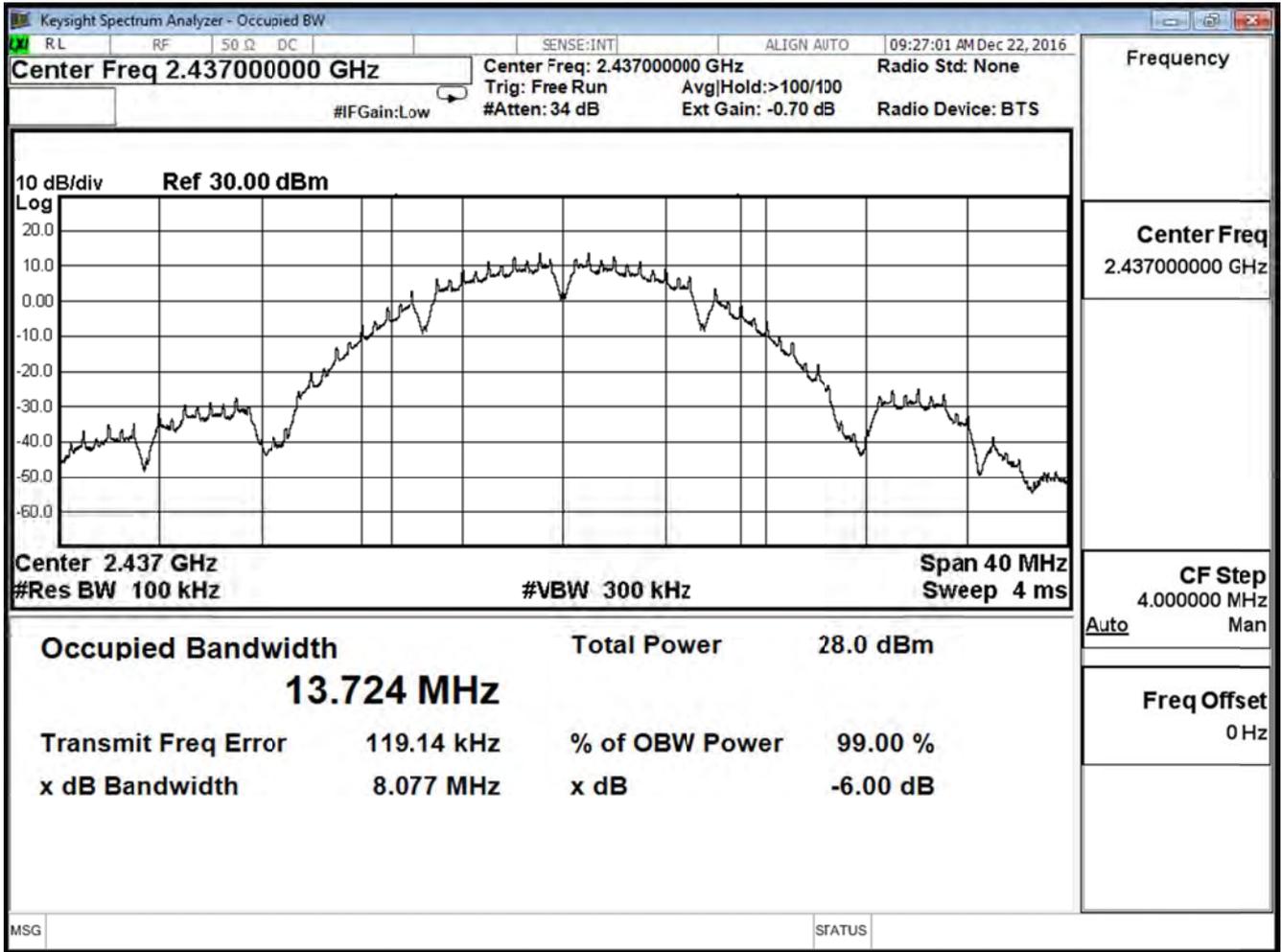
| | | | |
|--------------|------------------------------------|-----------|--------|
| Product | Lyra mini | | |
| Test Item | DTS Bandwidth | | |
| Test Mode | Mode 1: Tx-AD2037320910LF-CDD Mode | | |
| Date of Test | 2016/12/22 | Test Site | SR10-H |

| 802.11 b (ANT 1) | | | | |
|------------------|-----------------|---------------------|-------------|--------|
| Channel No. | Frequency (MHz) | Measure Level (MHz) | Limit (MHz) | Result |
| 1 | 2412 | 8.08 | ≥ 0.5 | Pass |
| 6 | 2437 | 8.08 | ≥ 0.5 | Pass |
| 11 | 2462 | 8.07 | ≥ 0.5 | Pass |

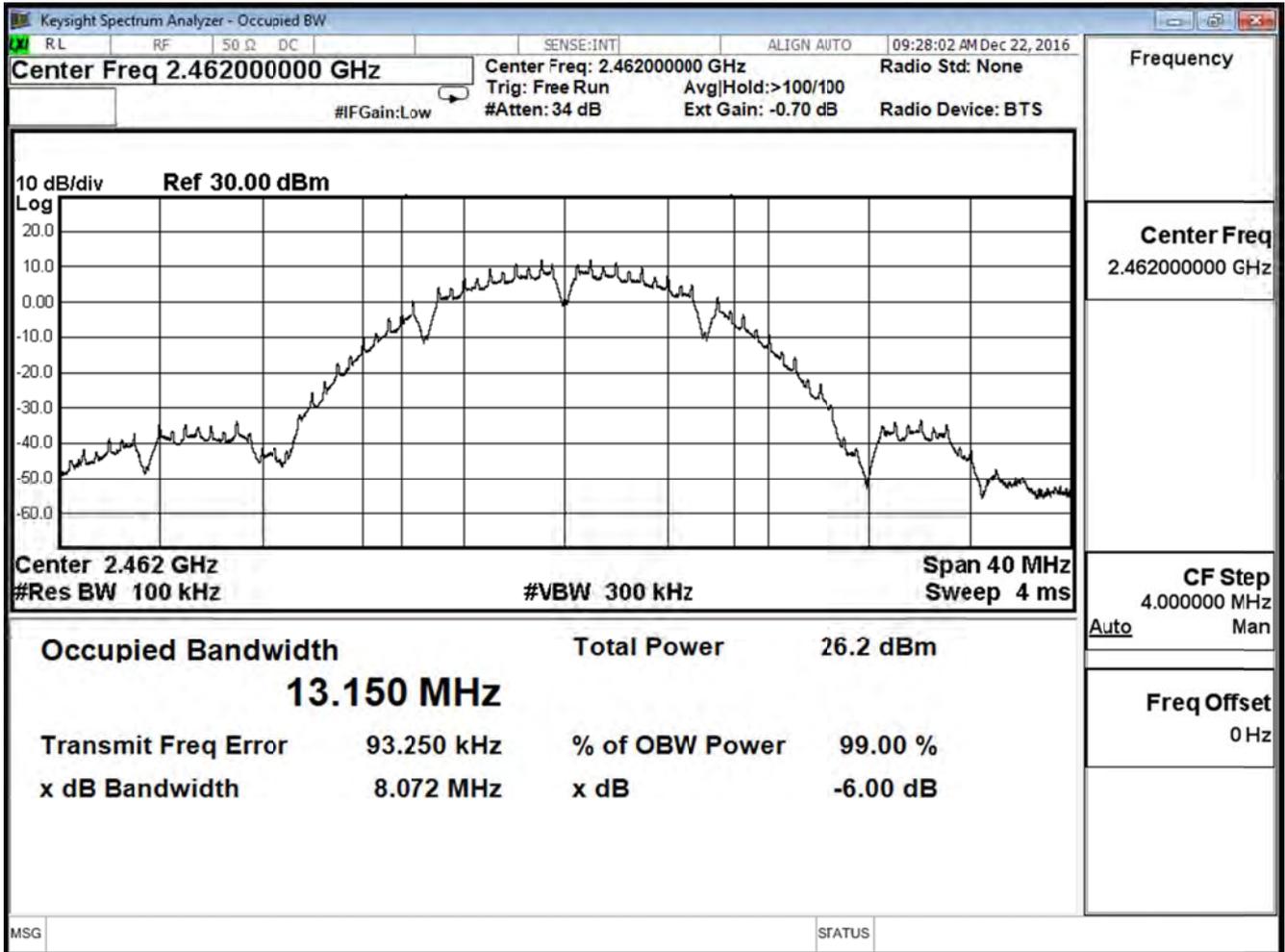
Channel 1



Channel 6



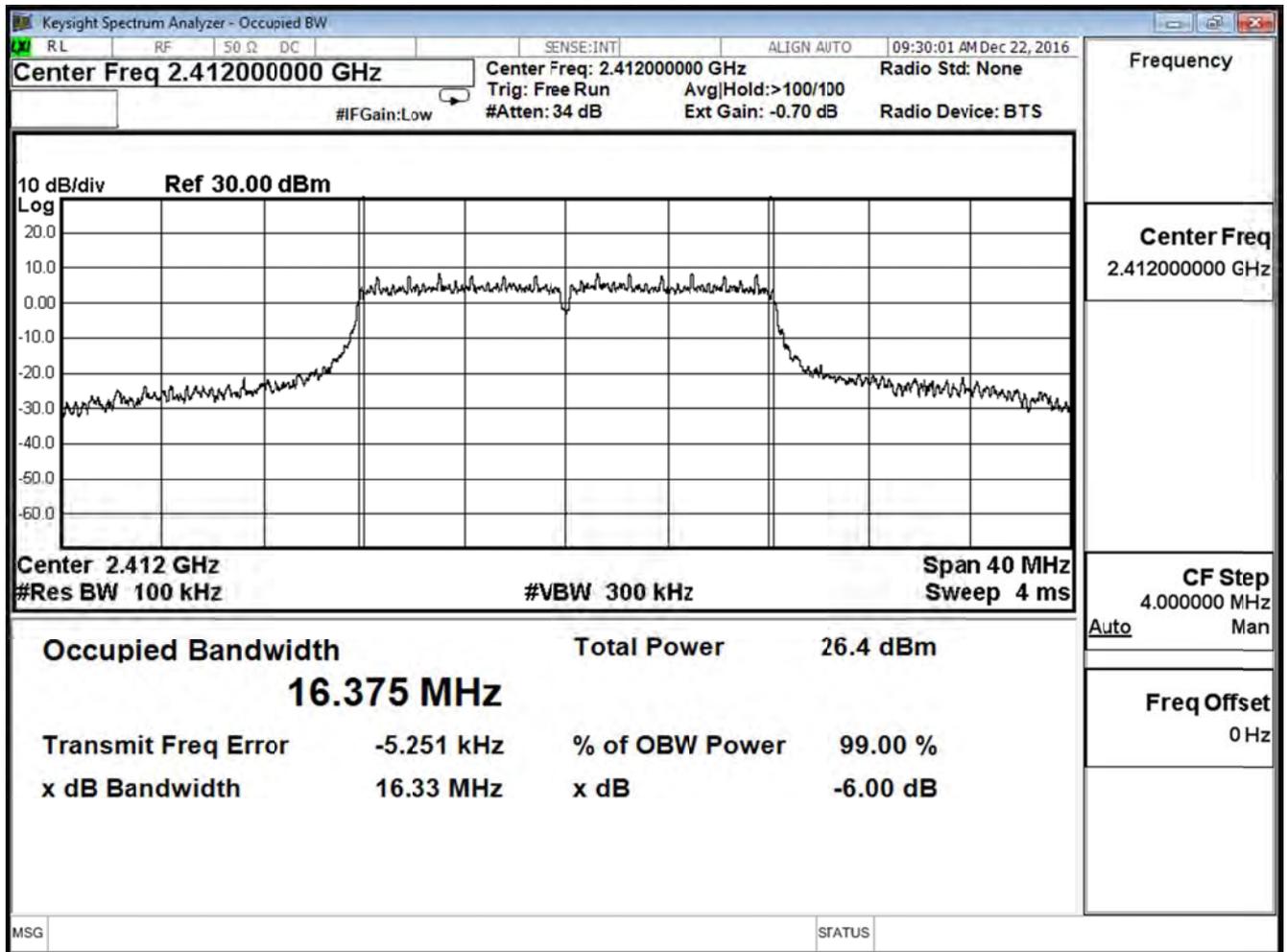
Channel 11



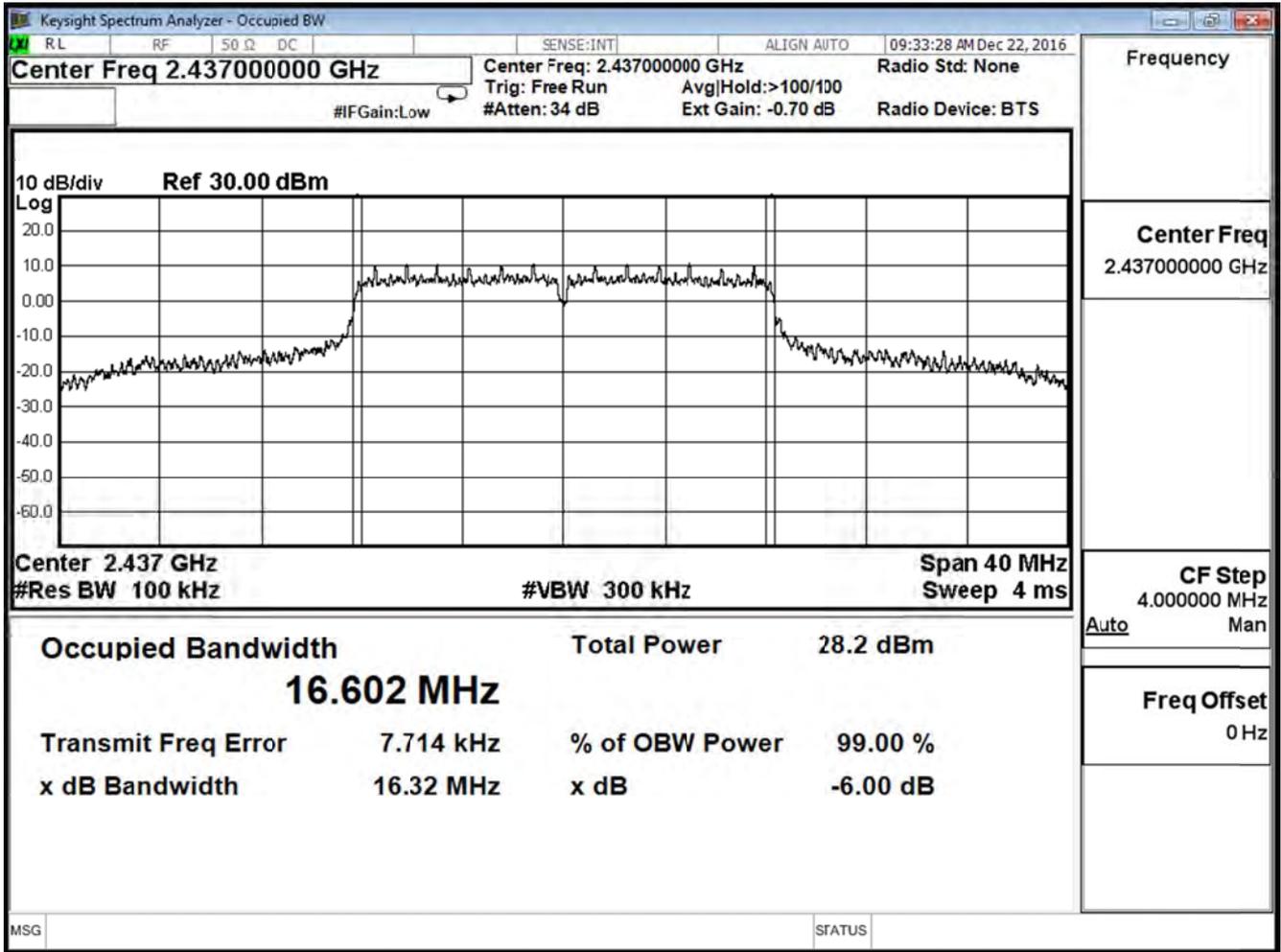
| | | | |
|--------------|------------------------------------|-----------|--------|
| Product | Lyra mini | | |
| Test Item | DTS Bandwidth | | |
| Test Mode | Mode 1: Tx-AD2037320910LF-CDD Mode | | |
| Date of Test | 2016/12/22 | Test Site | SR10-H |

| 802.11 g (ANT 0) | | | | |
|------------------|-----------------|---------------------|-------------|--------|
| Channel No. | Frequency (MHz) | Measure Level (MHz) | Limit (MHz) | Result |
| 1 | 2412 | 16.33 | ≥ 0.5 | Pass |
| 6 | 2437 | 16.32 | ≥ 0.5 | Pass |
| 11 | 2462 | 16.34 | ≥ 0.5 | Pass |

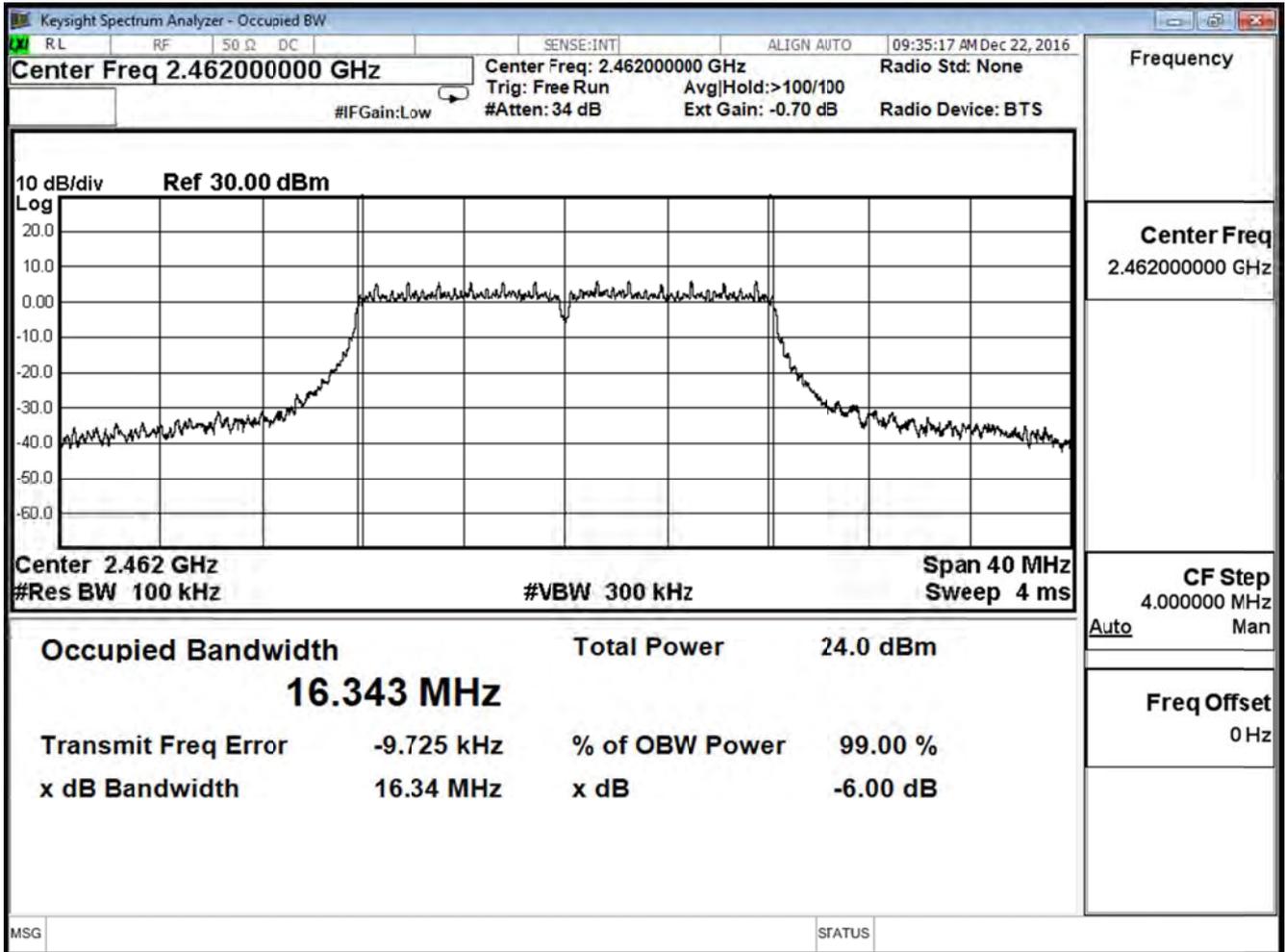
Channel 1



Channel 6



Channel 11

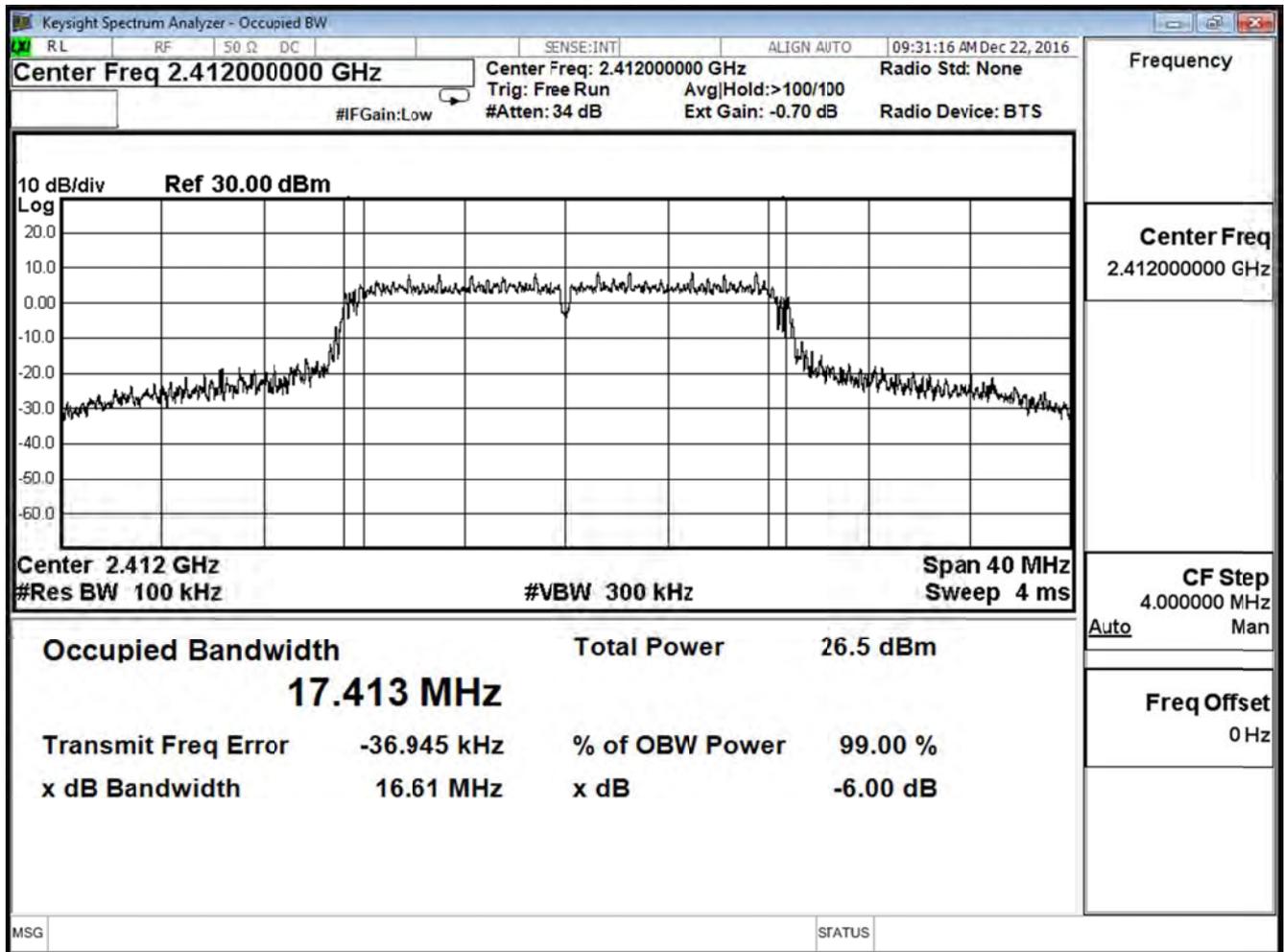


| | | | |
|--------------|------------------------------------|-----------|--------|
| Product | Lyra mini | | |
| Test Item | DTS Bandwidth | | |
| Test Mode | Mode 1: Tx-AD2037320910LF-CDD Mode | | |
| Date of Test | 2016/12/22 | Test Site | SR10-H |

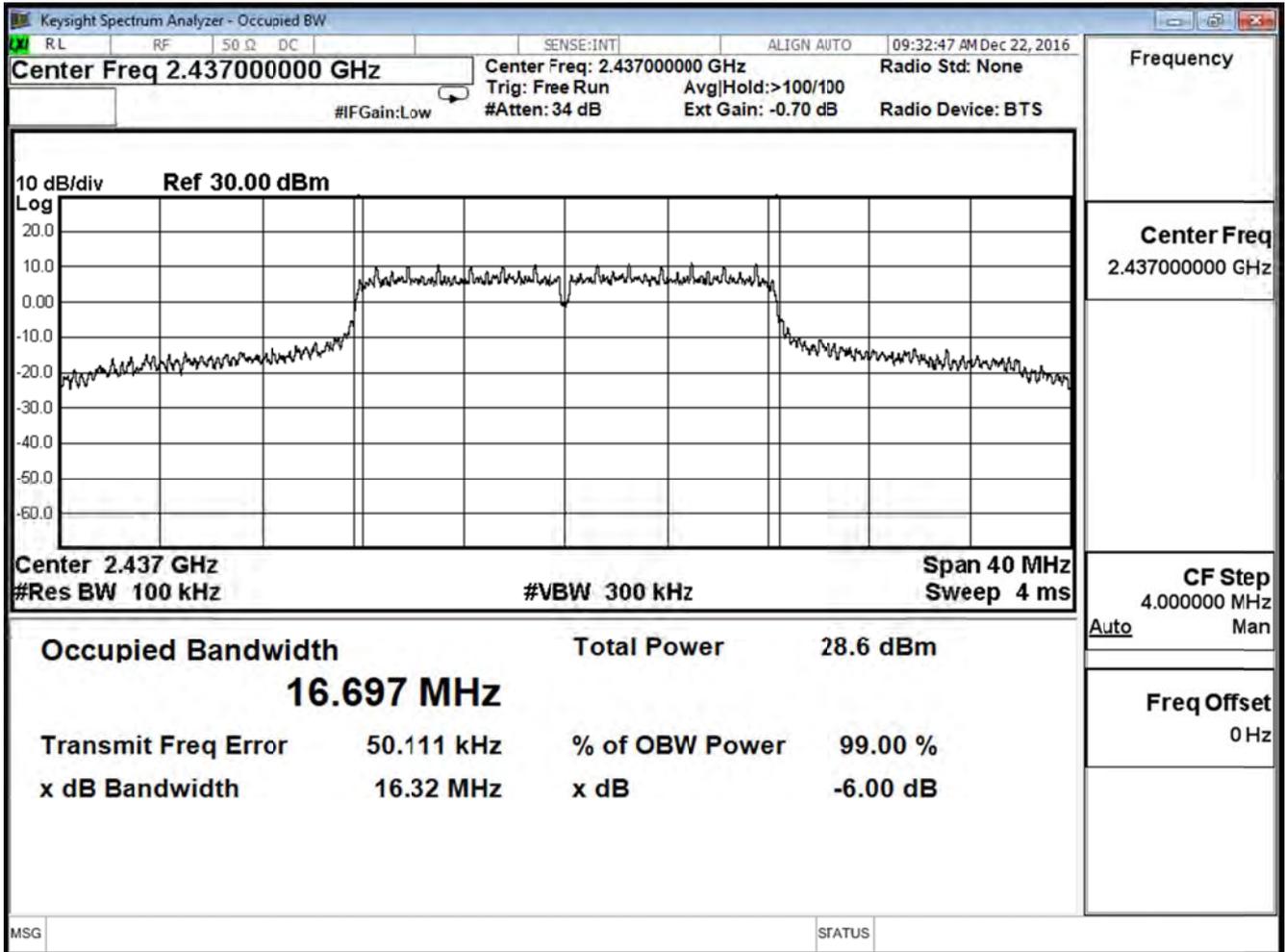
802.11 g (ANT 1)

| Channel No. | Frequency (MHz) | Measure Level (MHz) | Limit (MHz) | Result |
|-------------|-----------------|---------------------|-------------|--------|
| 1 | 2412 | 16.61 | ≥ 0.5 | Pass |
| 6 | 2437 | 16.32 | ≥ 0.5 | Pass |
| 11 | 2462 | 16.36 | ≥ 0.5 | Pass |

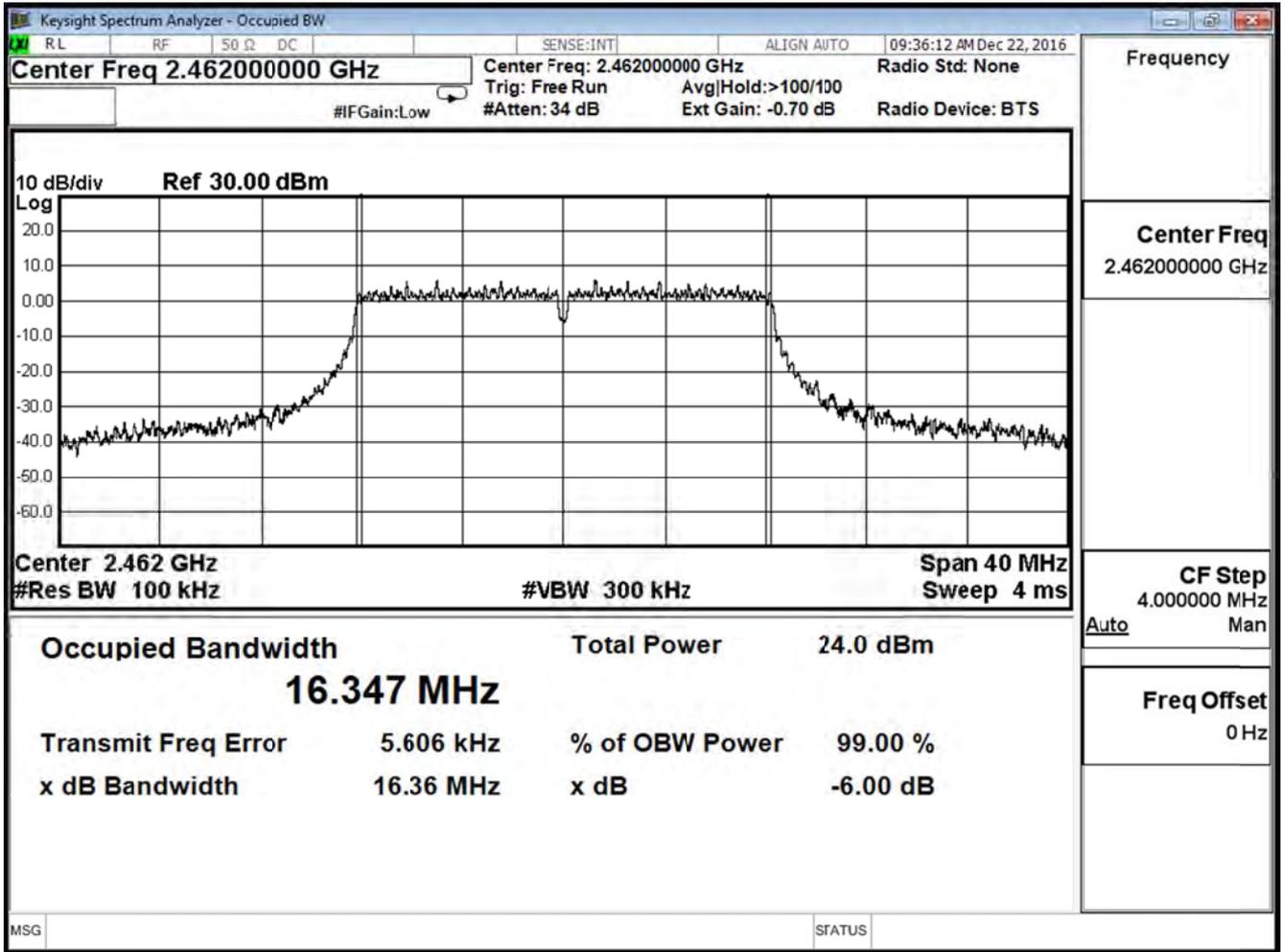
Channel 1



Channel 6



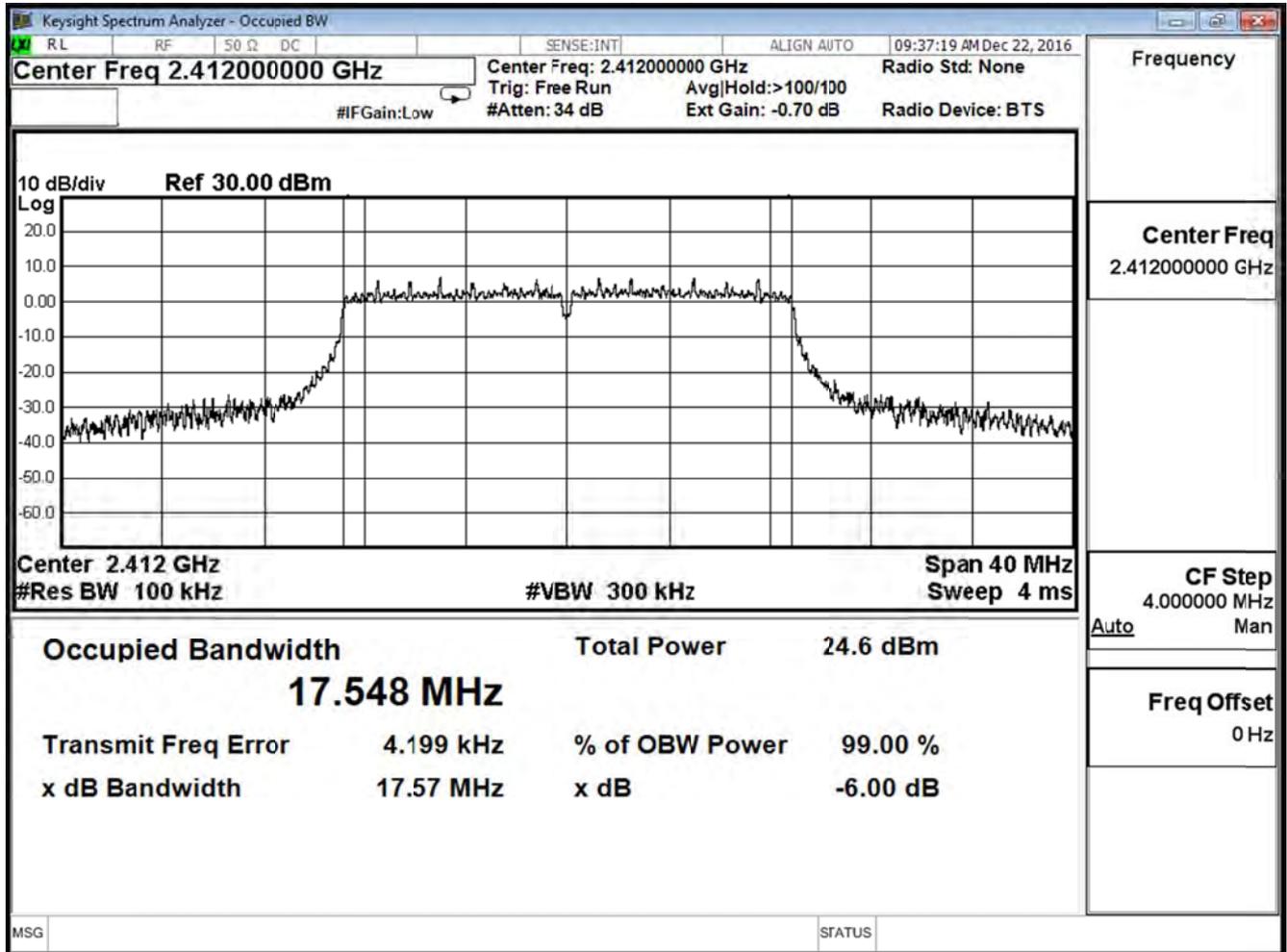
Channel 11



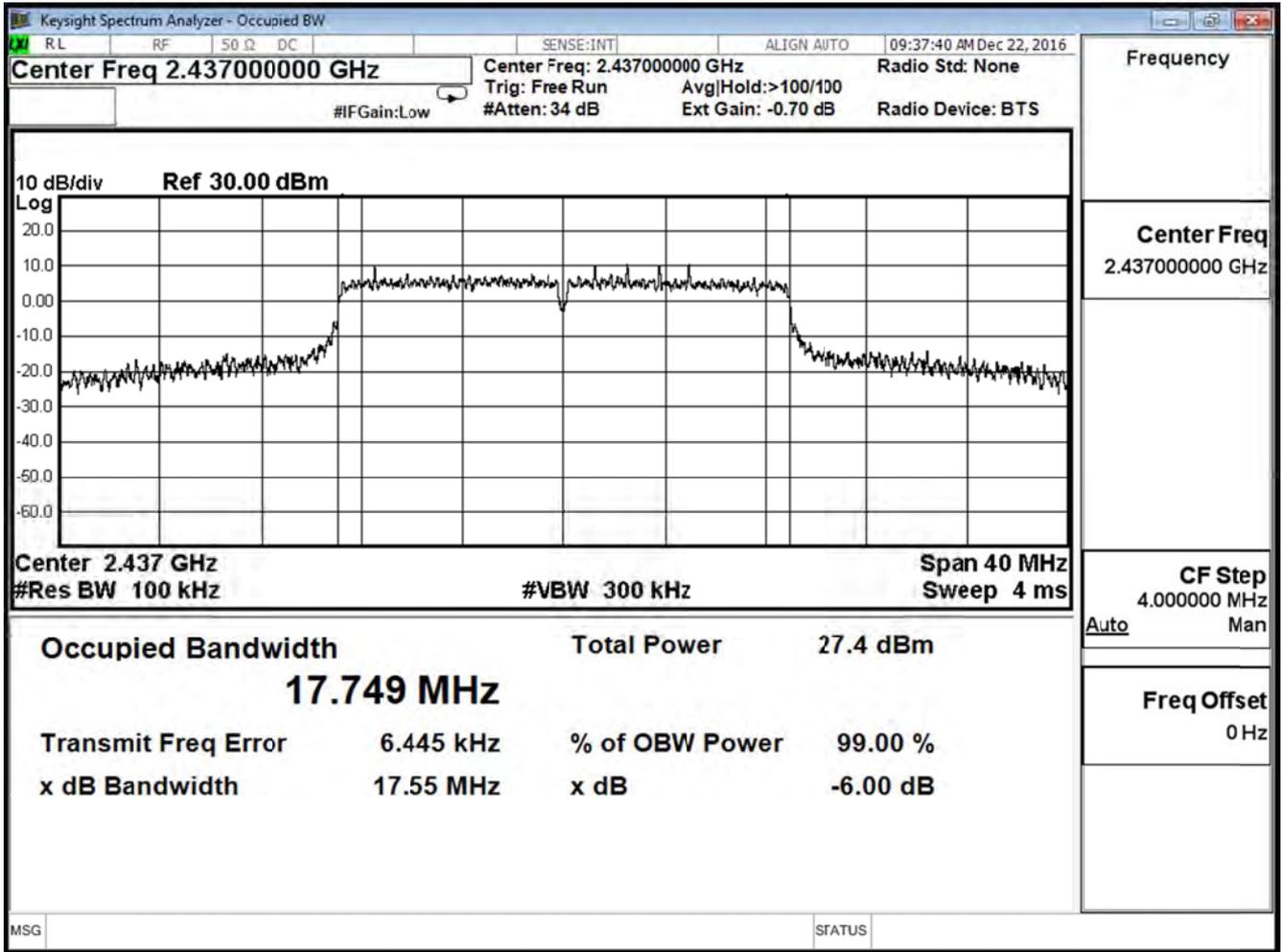
| | | | |
|--------------|------------------------------------|-----------|--------|
| Product | Lyra mini | | |
| Test Item | DTS Bandwidth | | |
| Test Mode | Mode 1: Tx-AD2037320910LF-CDD Mode | | |
| Date of Test | 2016/12/22 | Test Site | SR10-H |

| IEEE 802.11n_20M (ANT 0) | | | | |
|--------------------------|-----------------|---------------------|-------------|--------|
| Channel No. | Frequency (MHz) | Measure Level (MHz) | Limit (MHz) | Result |
| 1 | 2412 | 17.57 | ≥ 0.5 | Pass |
| 6 | 2437 | 17.55 | ≥ 0.5 | Pass |
| 11 | 2462 | 17.57 | ≥ 0.5 | Pass |

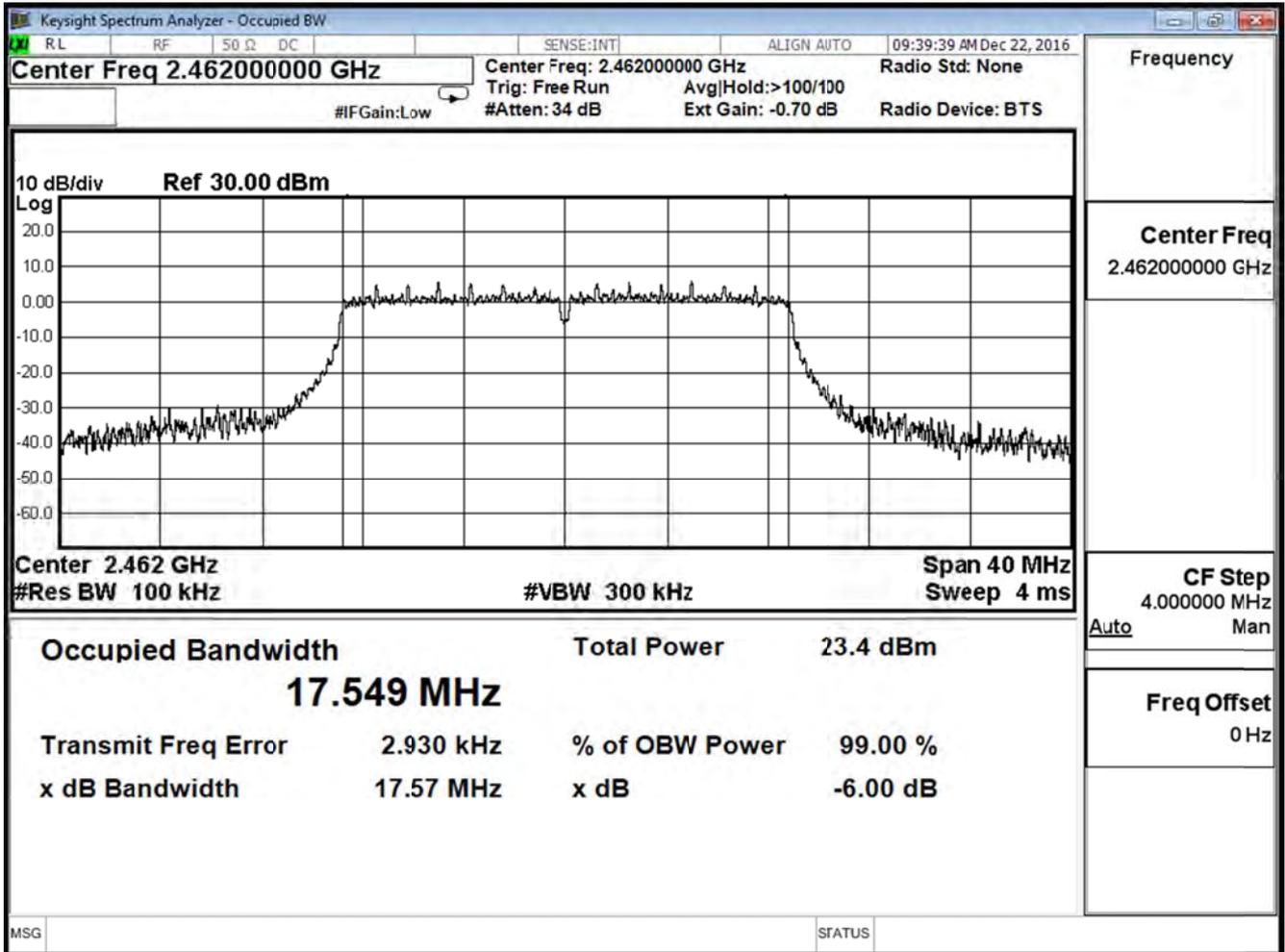
Channel 1



Channel 6



Channel 11

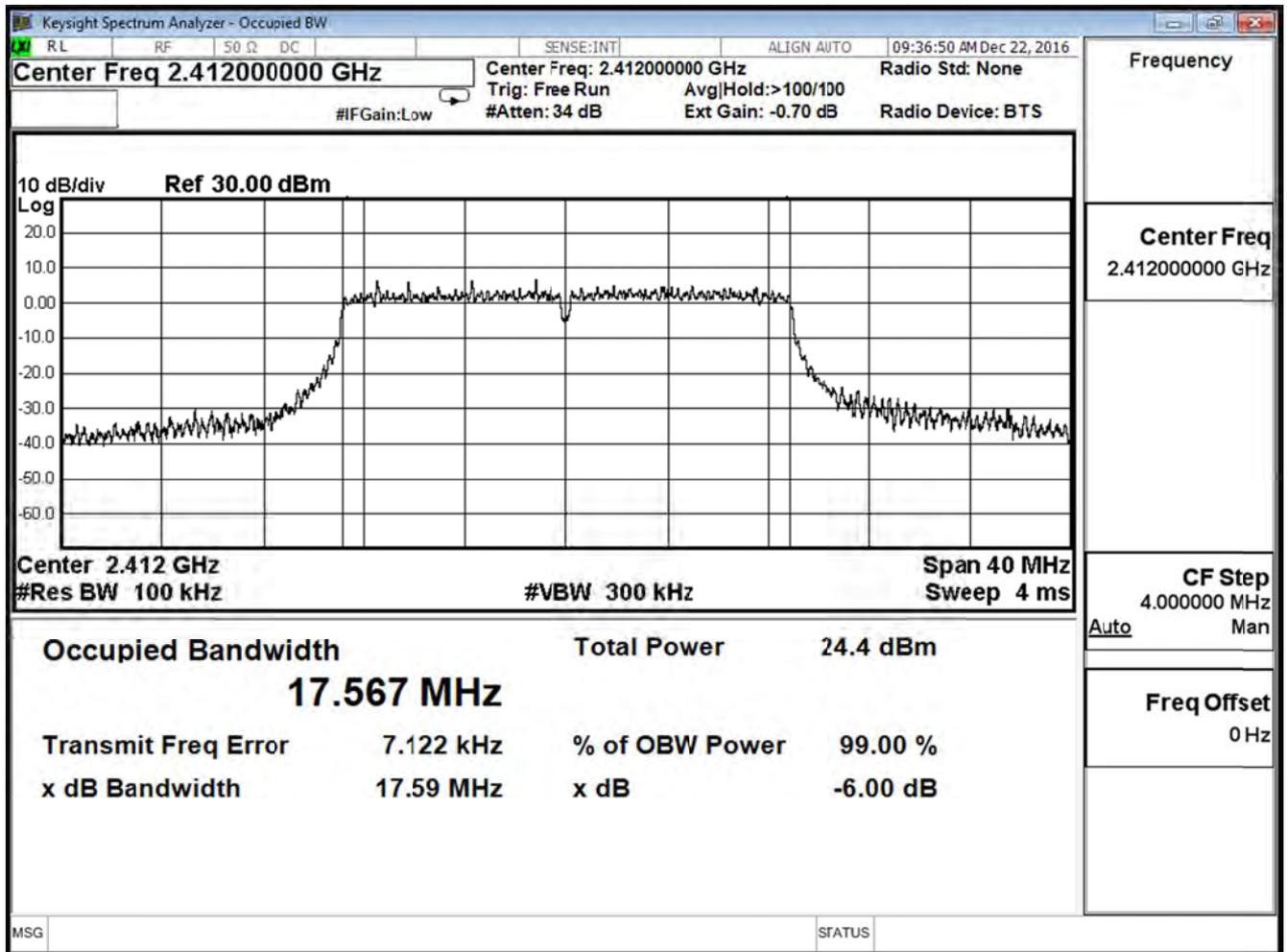


| | | | |
|--------------|------------------------------------|-----------|--------|
| Product | Lyra mini | | |
| Test Item | DTS Bandwidth | | |
| Test Mode | Mode 1: Tx-AD2037320910LF-CDD Mode | | |
| Date of Test | 2016/12/22 | Test Site | SR10-H |

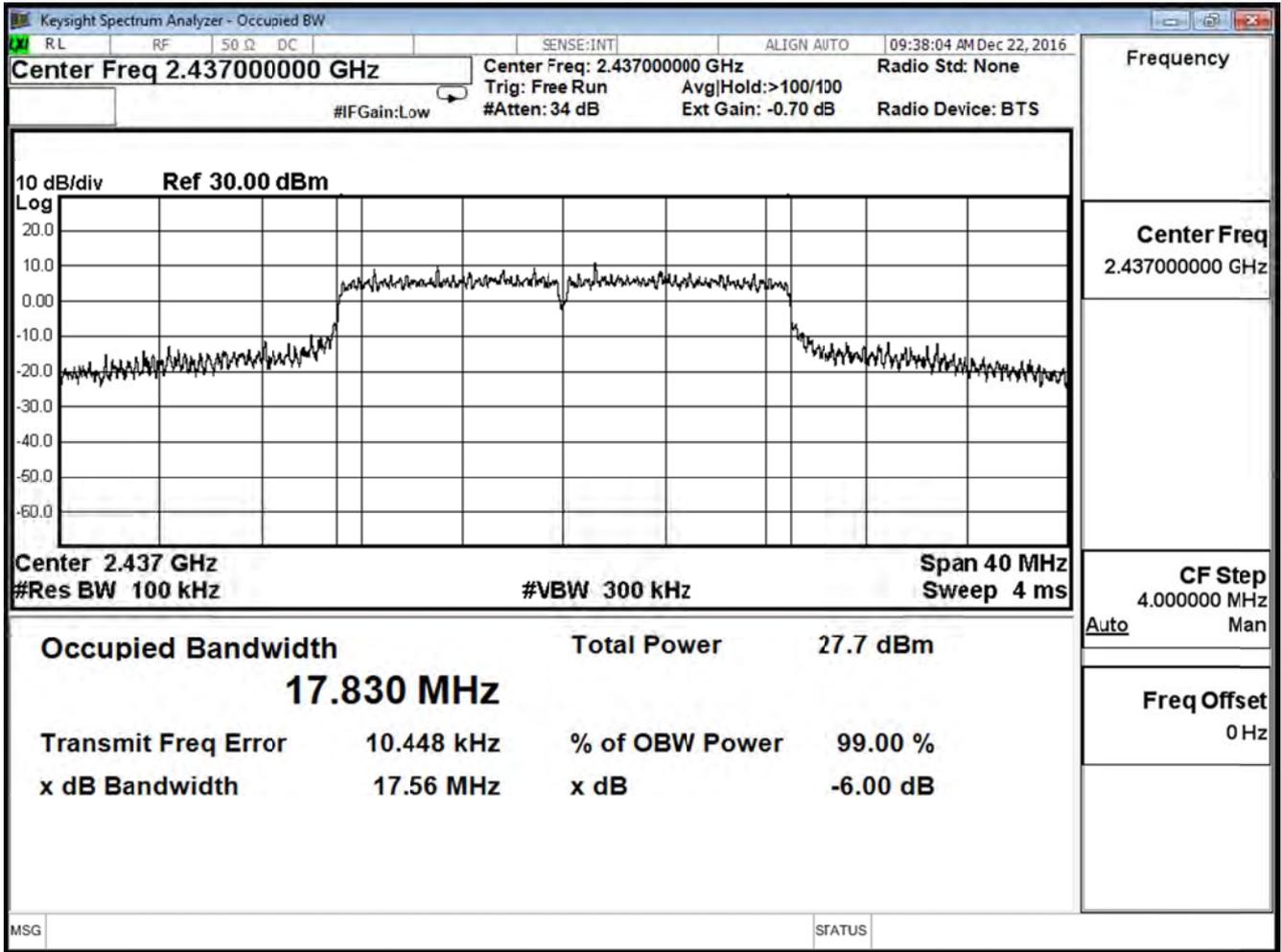
IEEE 802.11n_20M (ANT 1)

| Channel No. | Frequency (MHz) | Measure Level (MHz) | Limit (MHz) | Result |
|-------------|-----------------|---------------------|-------------|--------|
| 1 | 2412 | 17.59 | ≥ 0.5 | Pass |
| 6 | 2437 | 17.56 | ≥ 0.5 | Pass |
| 11 | 2462 | 17.58 | ≥ 0.5 | Pass |

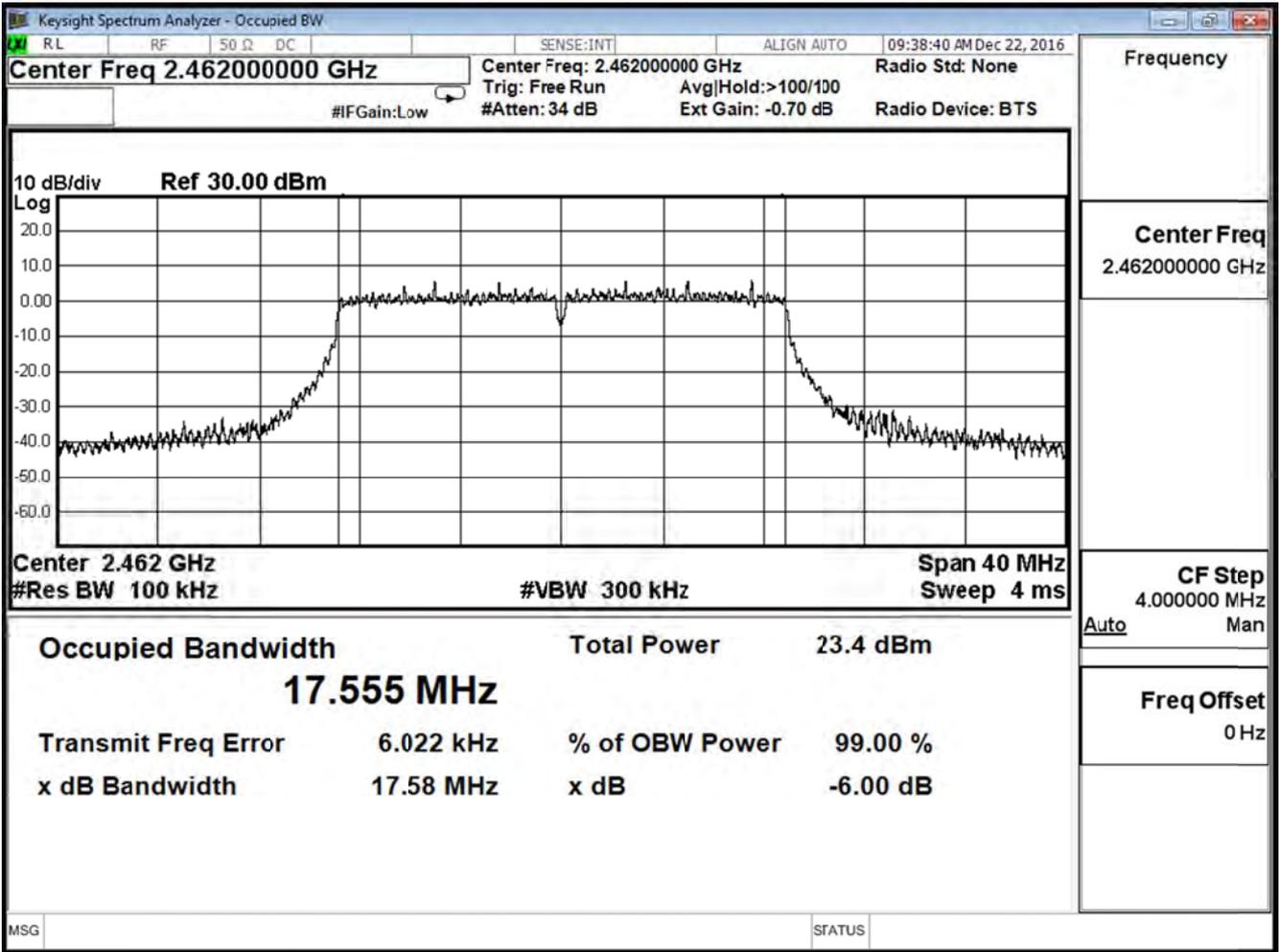
Channel 1



Channel 6



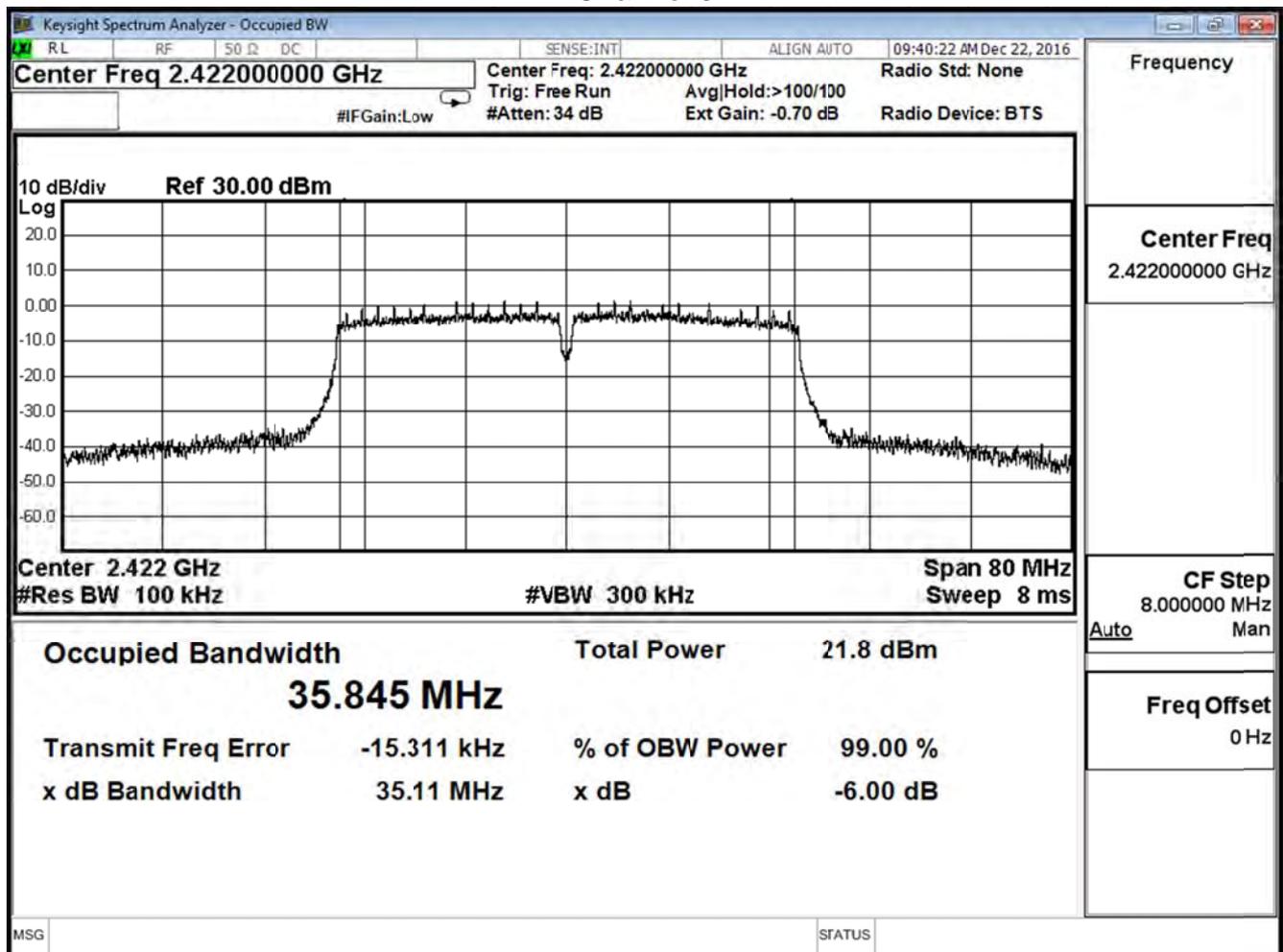
Channel 11



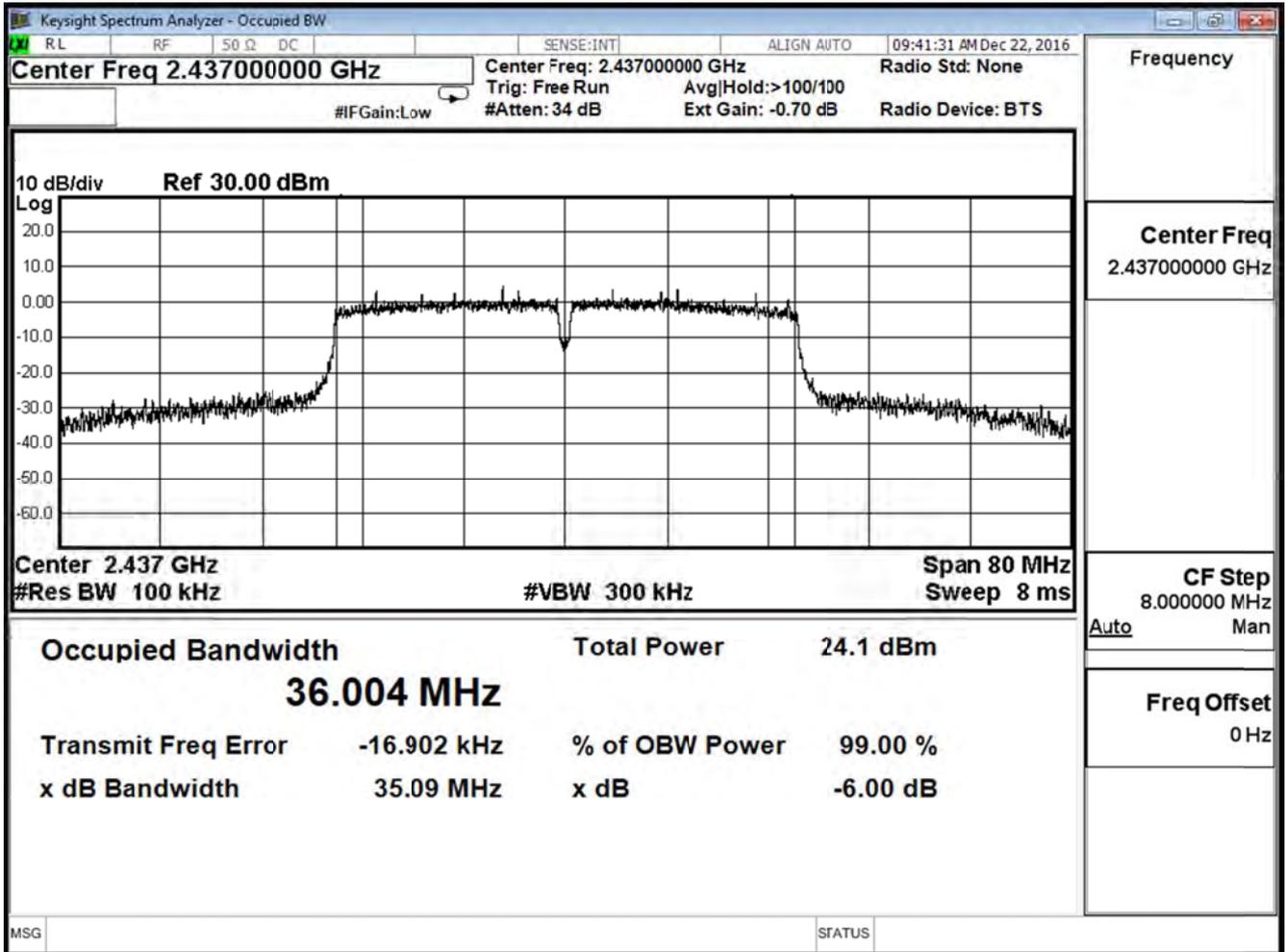
| | | | |
|--------------|------------------------------------|-----------|--------|
| Product | Lyra mini | | |
| Test Item | DTS Bandwidth | | |
| Test Mode | Mode 1: Tx-AD2037320910LF-CDD Mode | | |
| Date of Test | 2016/12/22 | Test Site | SR10-H |

| IEEE 802.11n_40M (ANT 0) | | | | |
|--------------------------|-----------------|---------------------|-------------|--------|
| Channel No. | Frequency (MHz) | Measure Level (MHz) | Limit (MHz) | Result |
| 3 | 2422 | 35.11 | ≥ 0.5 | Pass |
| 6 | 2437 | 35.09 | ≥ 0.5 | Pass |
| 9 | 2452 | 35.33 | ≥ 0.5 | Pass |

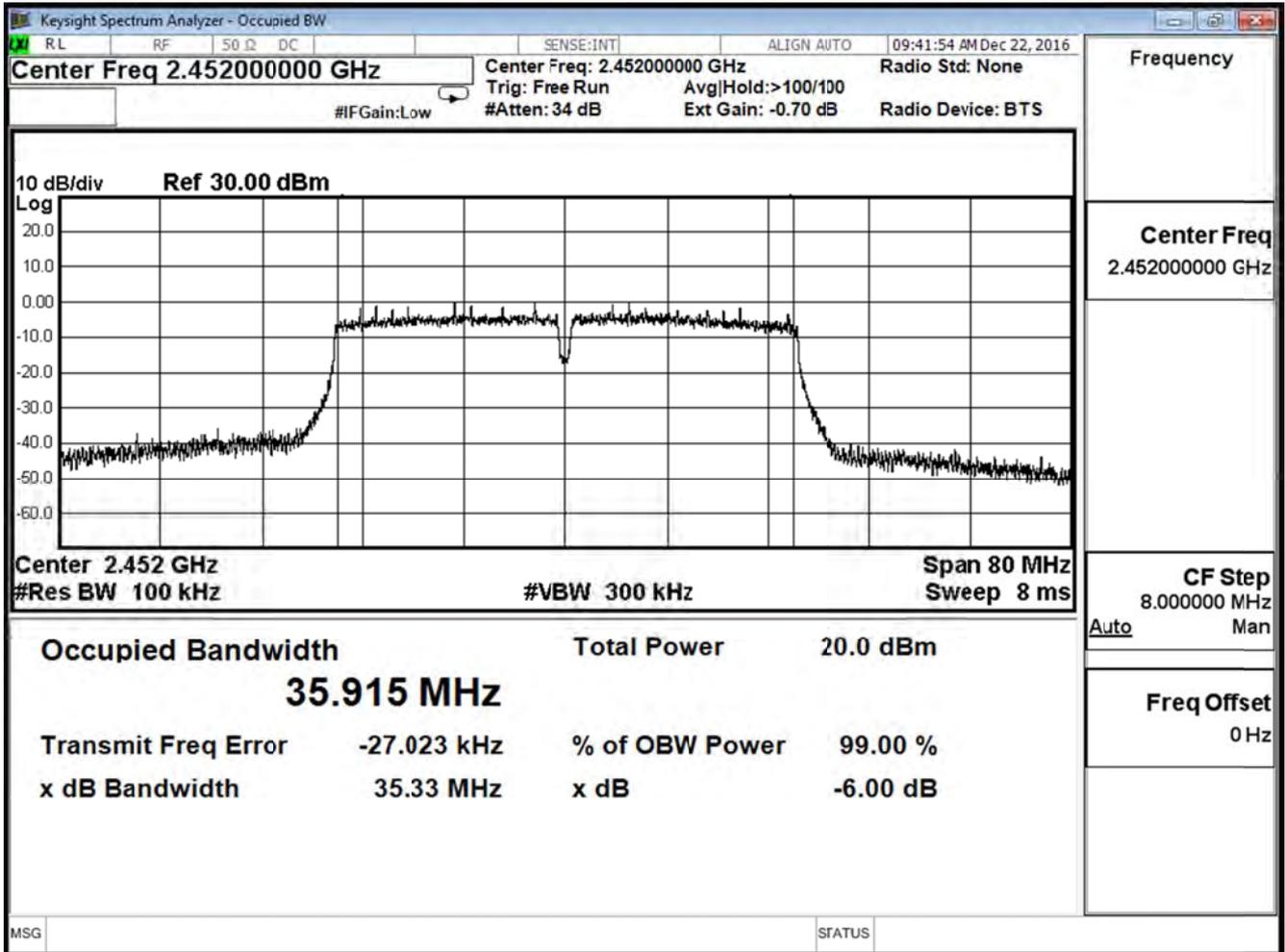
Channel 3



Channel 6



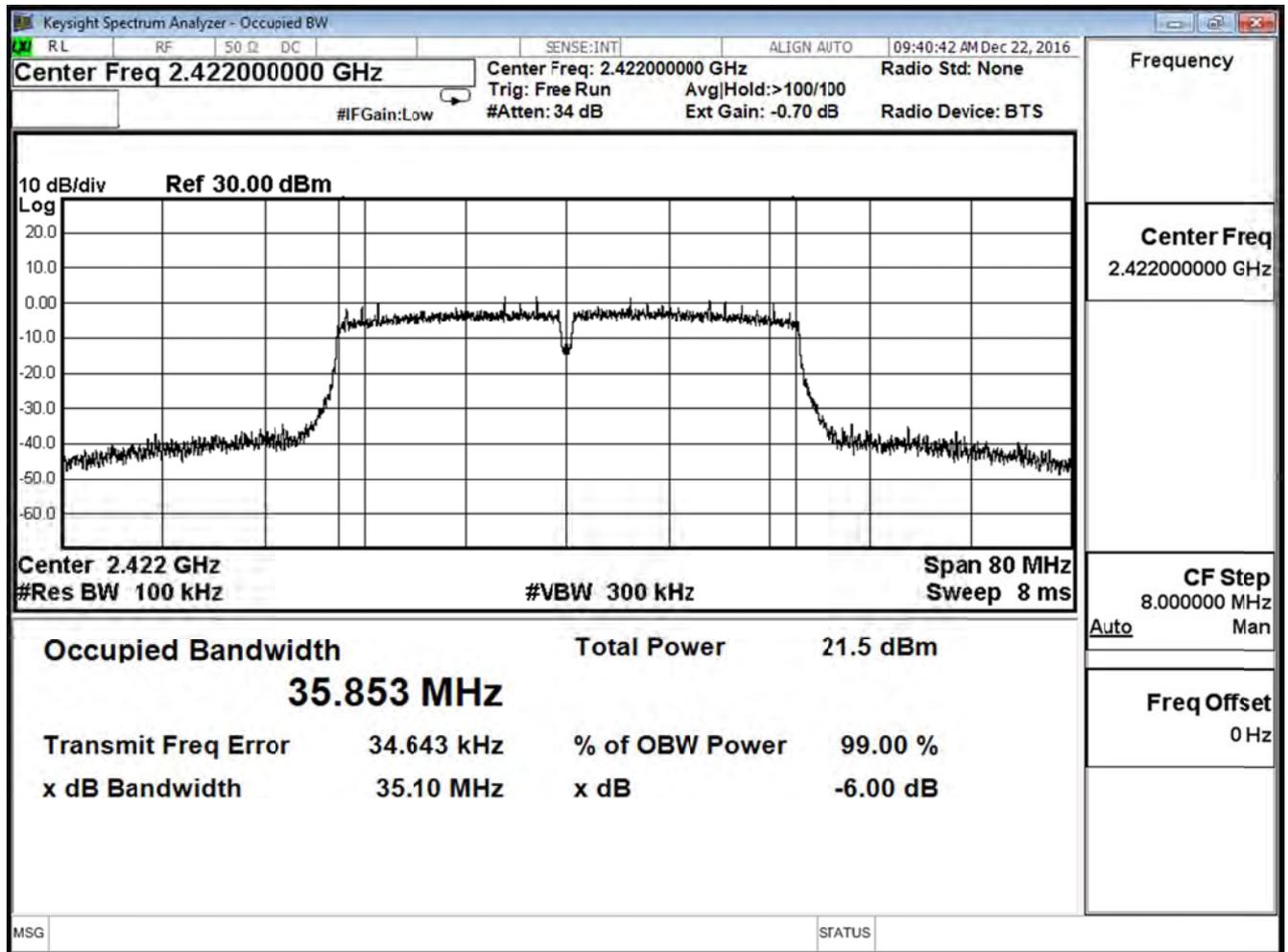
Channel 9



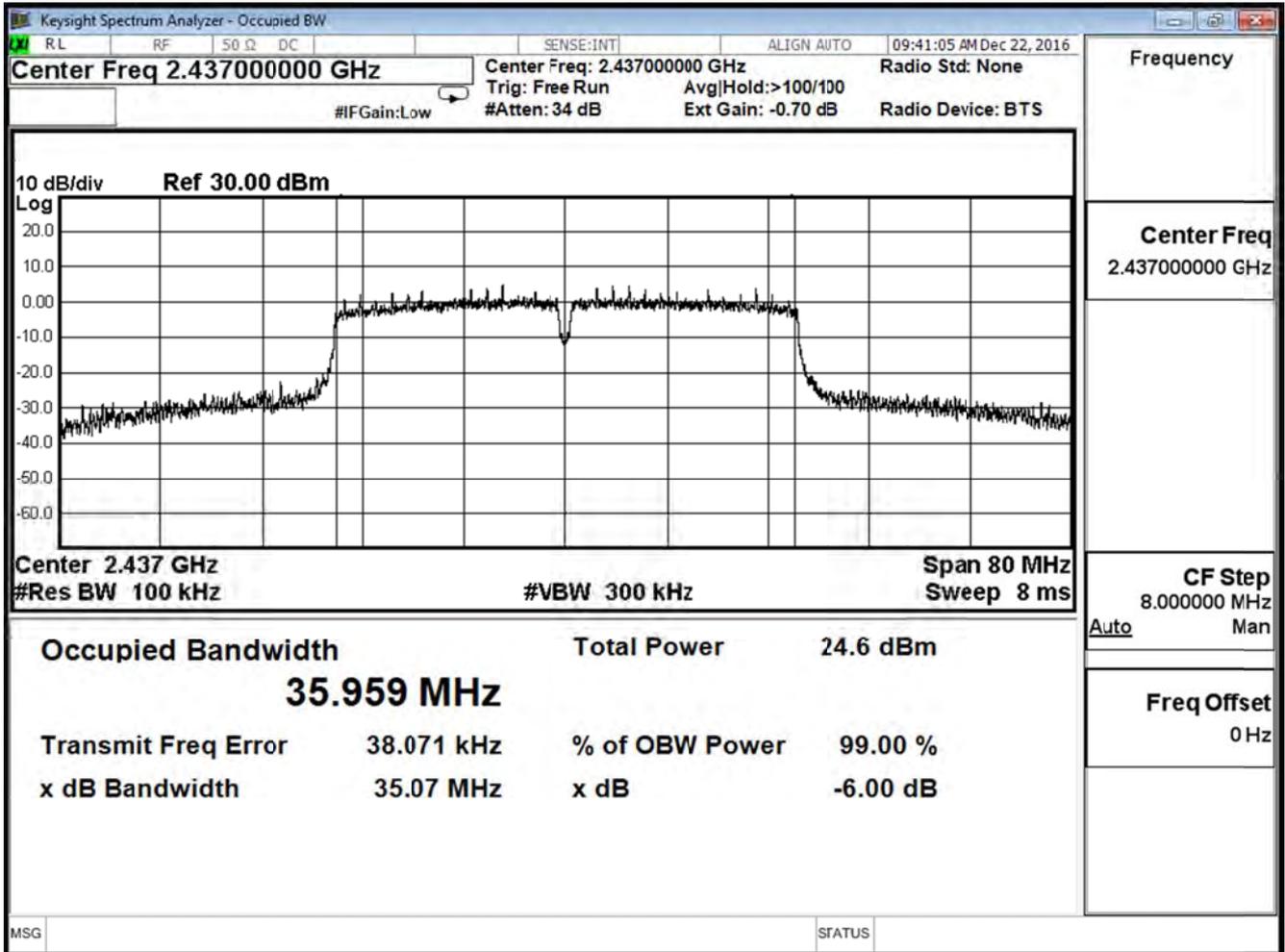
| | | | |
|--------------|------------------------------------|-----------|--------|
| Product | Lyra mini | | |
| Test Item | DTS Bandwidth | | |
| Test Mode | Mode 1: Tx-AD2037320910LF-CDD Mode | | |
| Date of Test | 2016/12/22 | Test Site | SR10-H |

| IEEE 802.11n_40M (ANT 1) | | | | |
|--------------------------|-----------------|---------------------|-------------|--------|
| Channel No. | Frequency (MHz) | Measure Level (MHz) | Limit (MHz) | Result |
| 3 | 2422 | 35.10 | ≥ 0.5 | Pass |
| 6 | 2437 | 35.07 | ≥ 0.5 | Pass |
| 9 | 2452 | 35.12 | ≥ 0.5 | Pass |

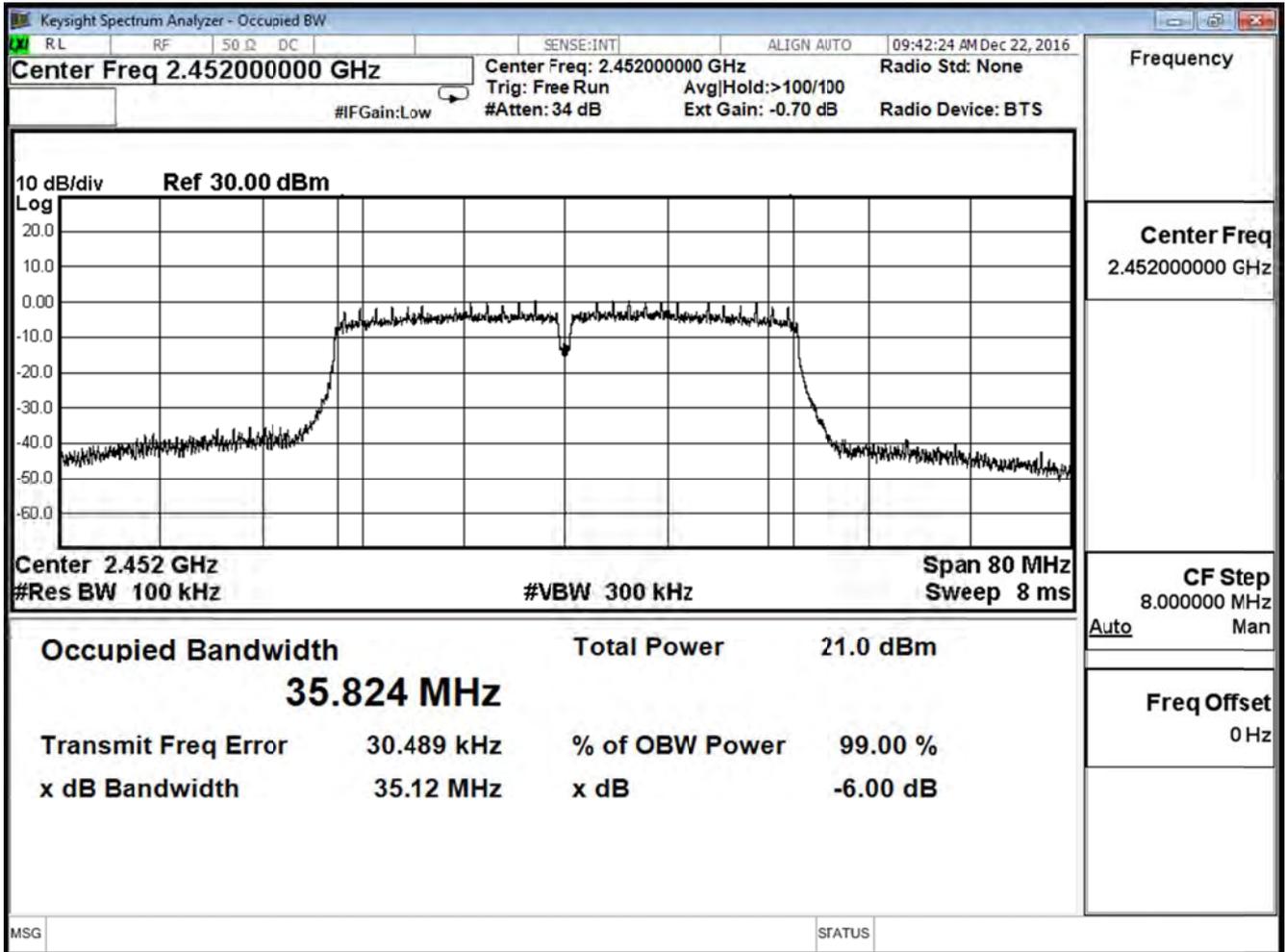
Channel 3



Channel 6



Channel 9



8. Occupied Bandwidth

8.1. Test Equipment

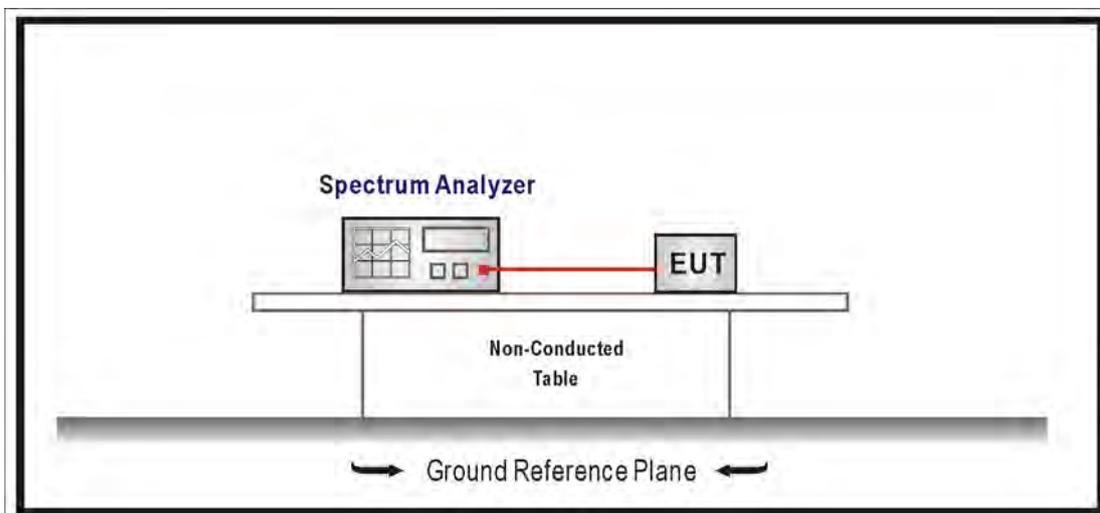
The following test equipments are used during the test:

Occupied Bandwidth / SR10-H

| Instrument | Manufacturer | Model No. | Serial No | Next Cal. Date |
|----------------------------|--------------|-----------|-----------|----------------|
| Signal & Spectrum Analyzer | R&S | FSV40 | 101049 | 2018/01/22 |

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

8.2. Test Setup



8.3. Test Procedures

The EUT was setup according to ANSI C63.10:2013; tested according to DTS test procedure of KDB558074 v03r05 for compliance to FCC 47CFR 15.247 requirements.

Set RBW = 1-5% of the OBW, Set the VBW \geq 3xRBW, Sweep Time=Auto.

8.4. Limits

NA

8.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2015

8.6. Uncertainty

The measurement uncertainty is defined as $\pm 150\text{Hz}$

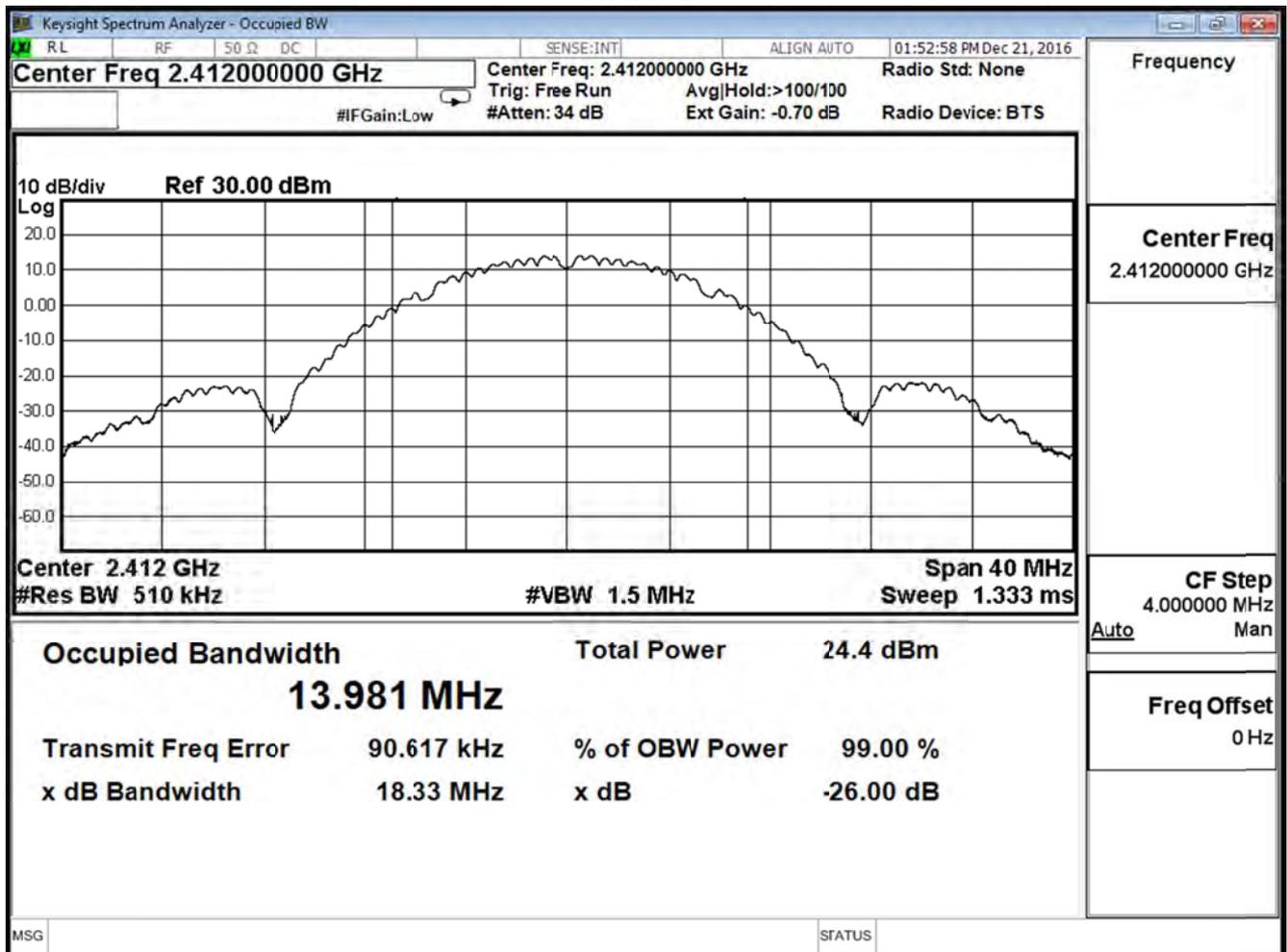
8.7. Test Result

| | | | |
|--------------|------------------------------------|-----------|--------|
| Product | Lyra mini | | |
| Test Item | Occupied Bandwidth | | |
| Test Mode | Mode 1: Tx-AD2037320910LF-CDD Mode | | |
| Date of Test | 2016/12/21 | Test Site | SR10-H |

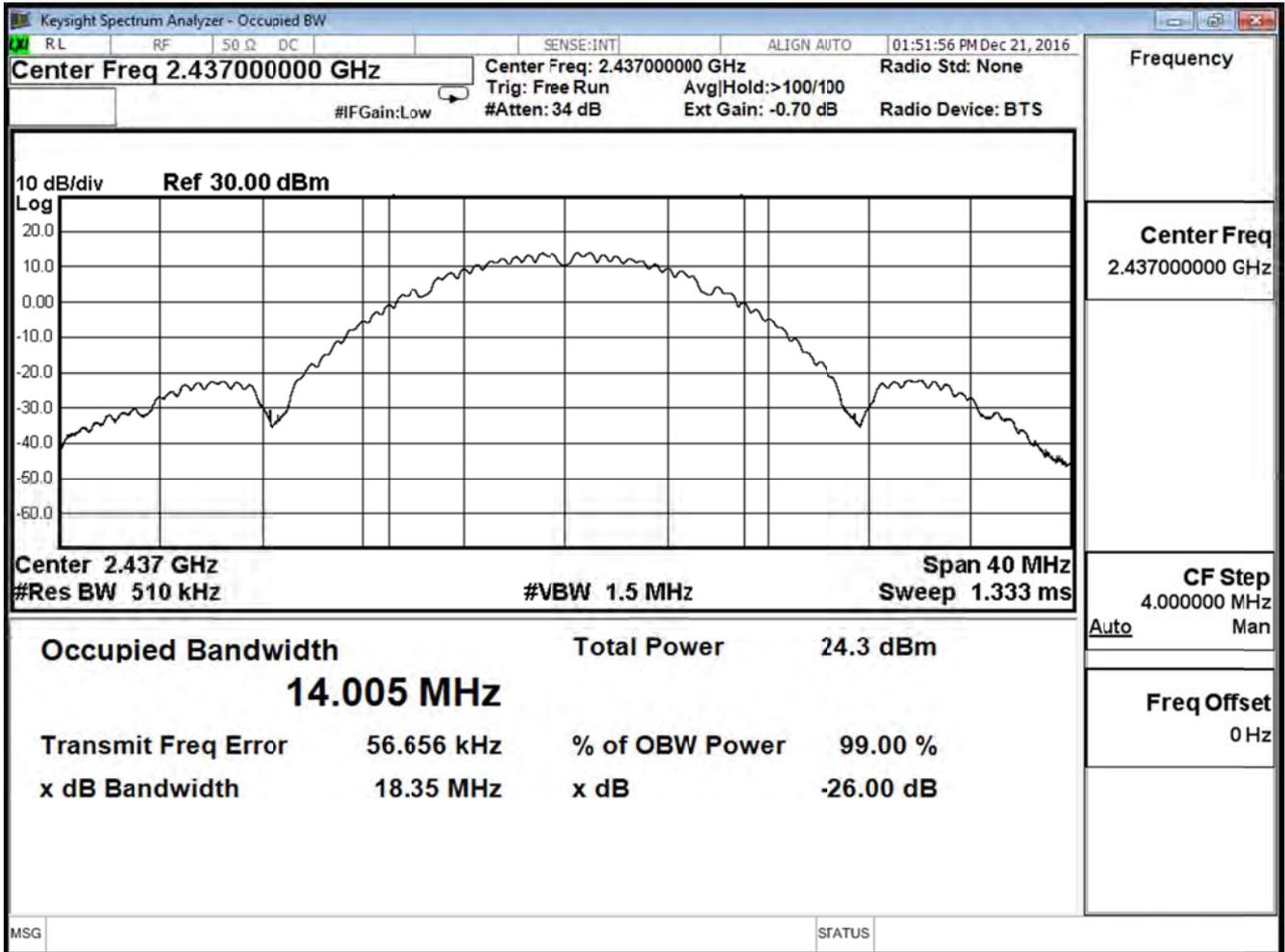
802.11 b (ANT 0)

| Channel No. | Frequency (MHz) | Measure Level(MHz) | Limit (MHz) | Result |
|-------------|-----------------|--------------------|-------------|--------|
| 1 | 2412 | 13.98 | -- | Pass |
| 6 | 2437 | 14.01 | -- | Pass |
| 11 | 2462 | 13.03 | -- | Pass |

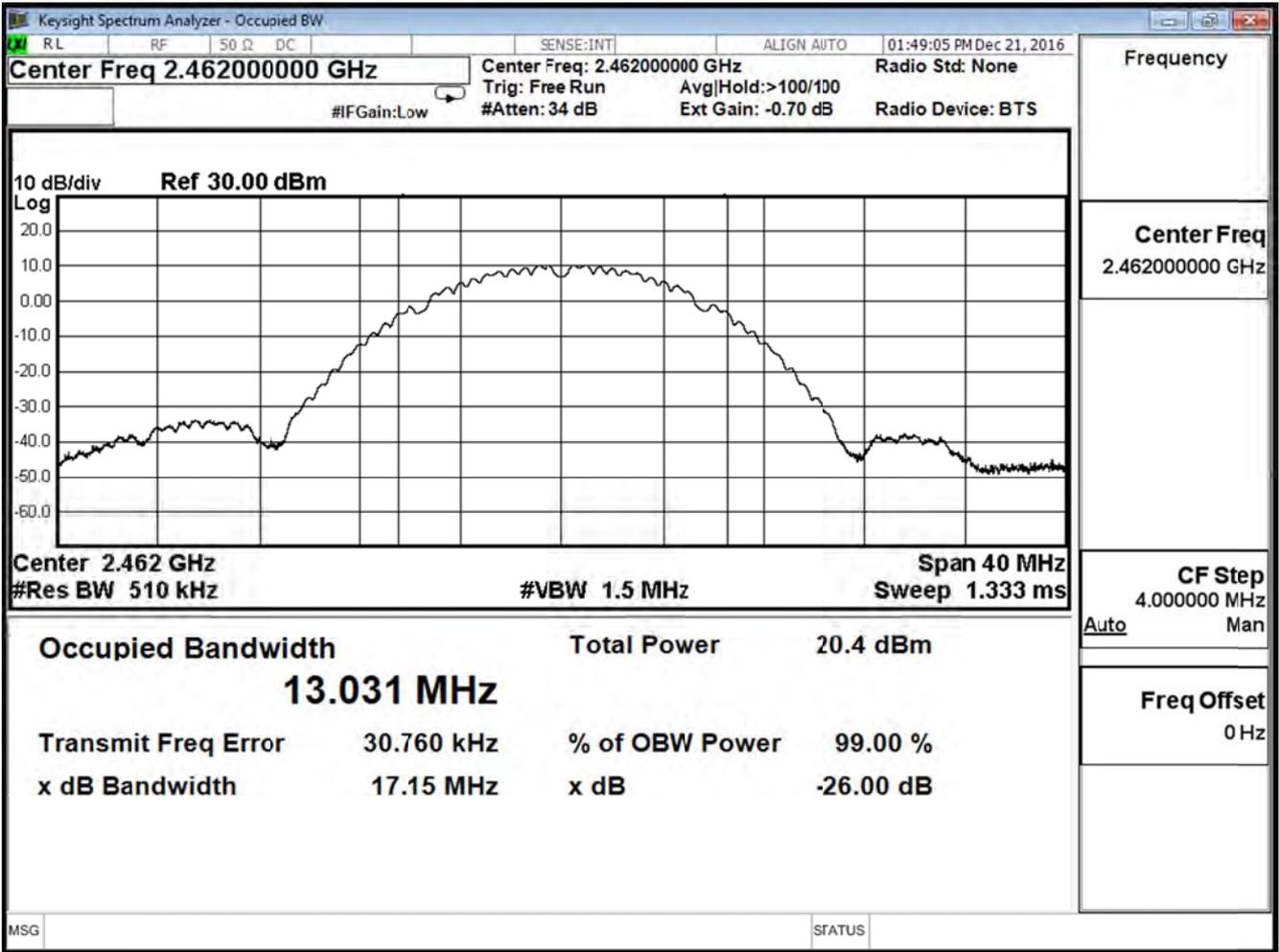
Channel 1



Channel 6



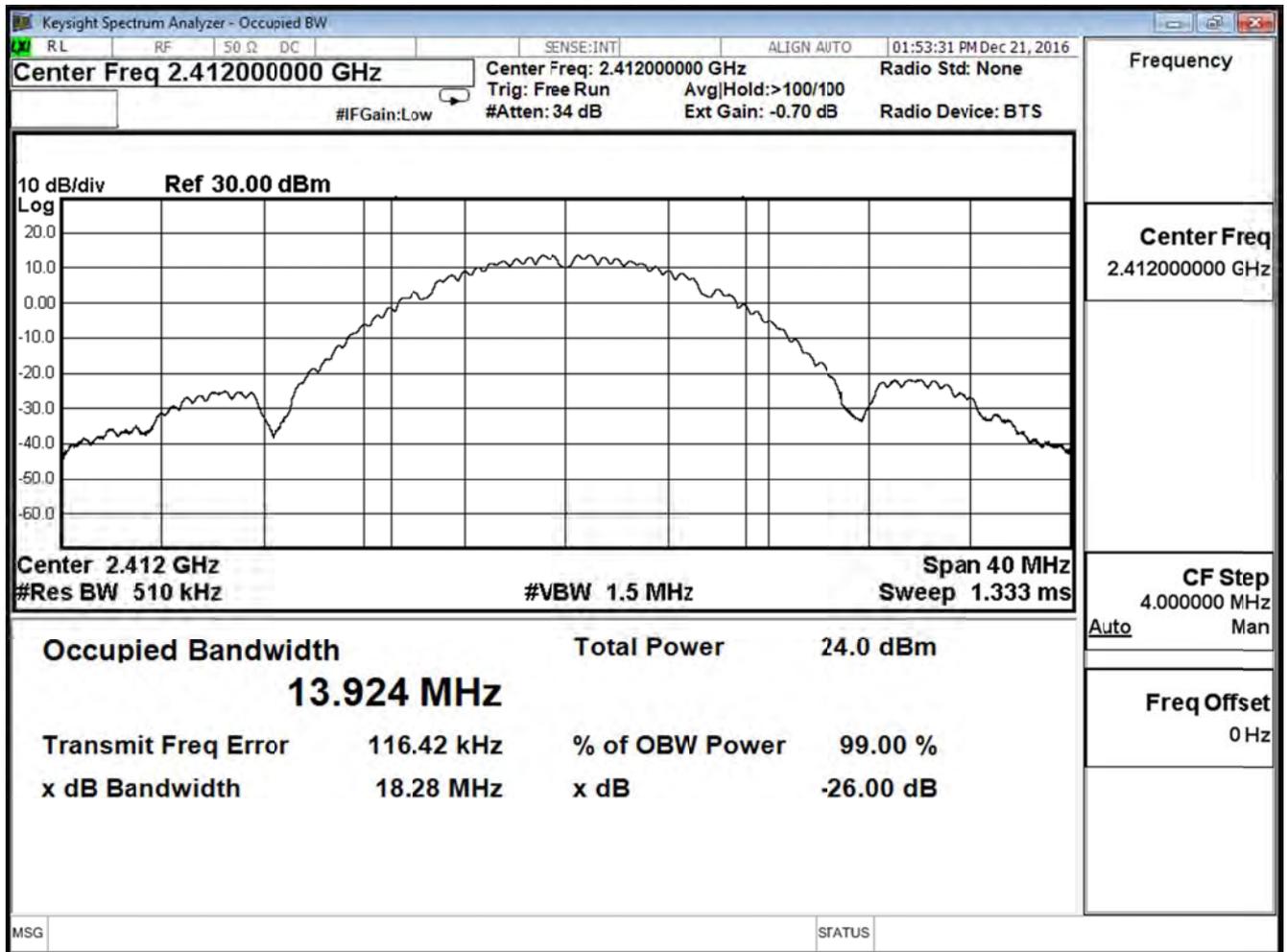
Channel 11



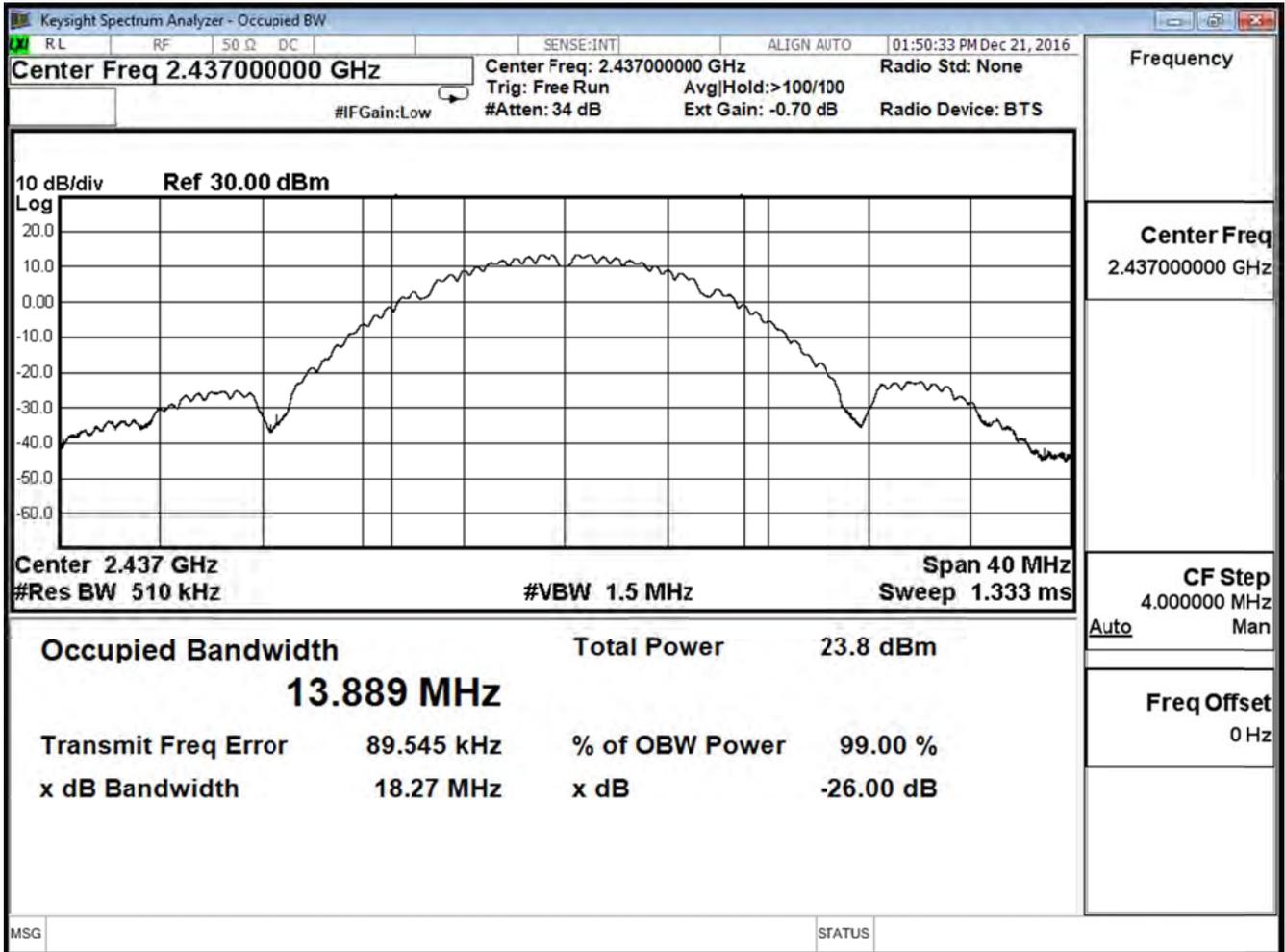
| | | | |
|--------------|------------------------------------|-----------|--------|
| Product | Lyra mini | | |
| Test Item | Occupied Bandwidth | | |
| Test Mode | Mode 1: Tx-AD2037320910LF-CDD Mode | | |
| Date of Test | 2016/12/21 | Test Site | SR10-H |

| 802.11 b (ANT 1) | | | | |
|------------------|-----------------|--------------------|-------------|--------|
| Channel No. | Frequency (MHz) | Measure Level(MHz) | Limit (MHz) | Result |
| 1 | 2412 | 13.92 | -- | Pass |
| 6 | 2437 | 13.89 | -- | Pass |
| 11 | 2462 | 12.97 | -- | Pass |

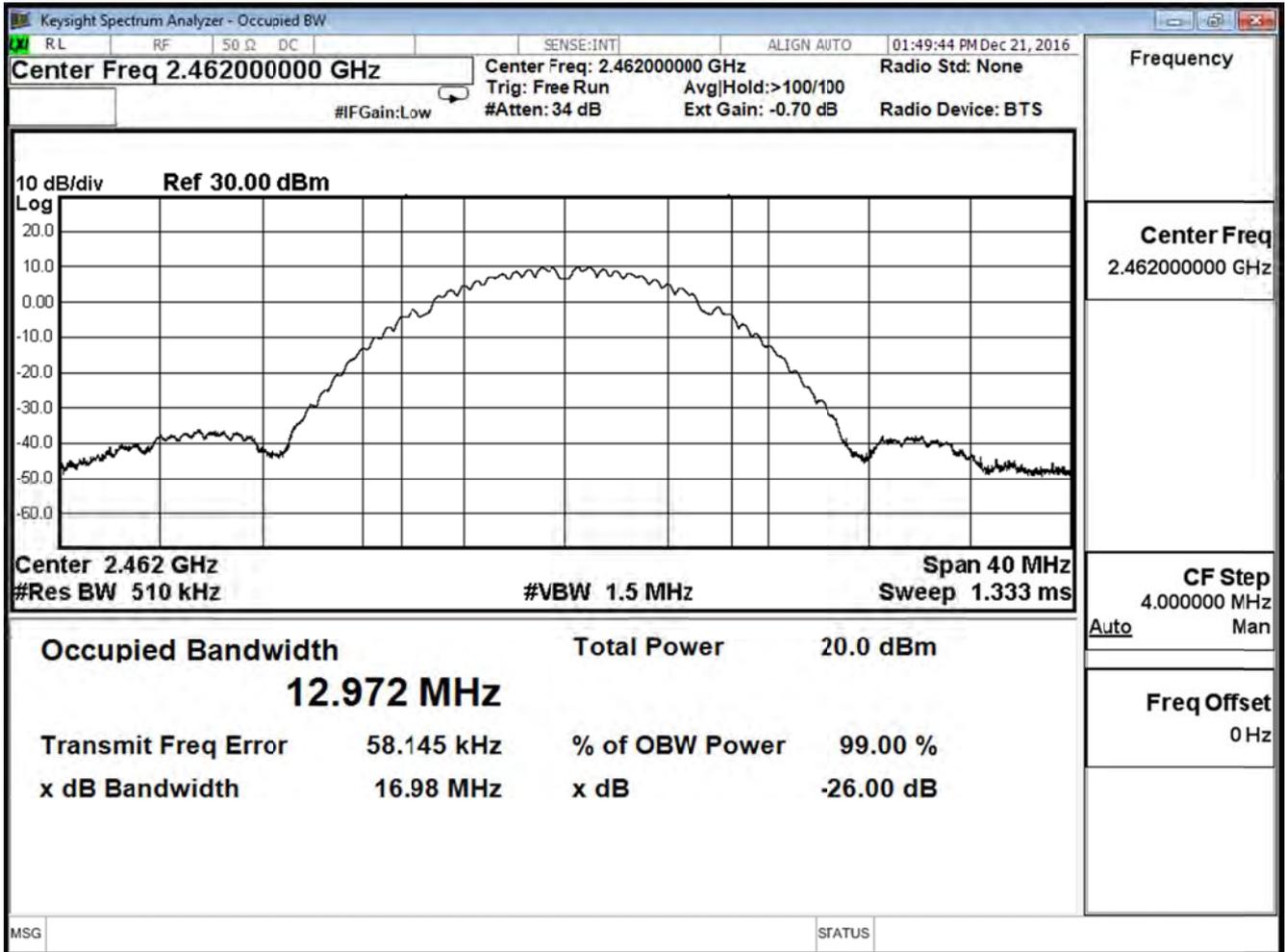
Channel 1



Channel 6



Channel 11

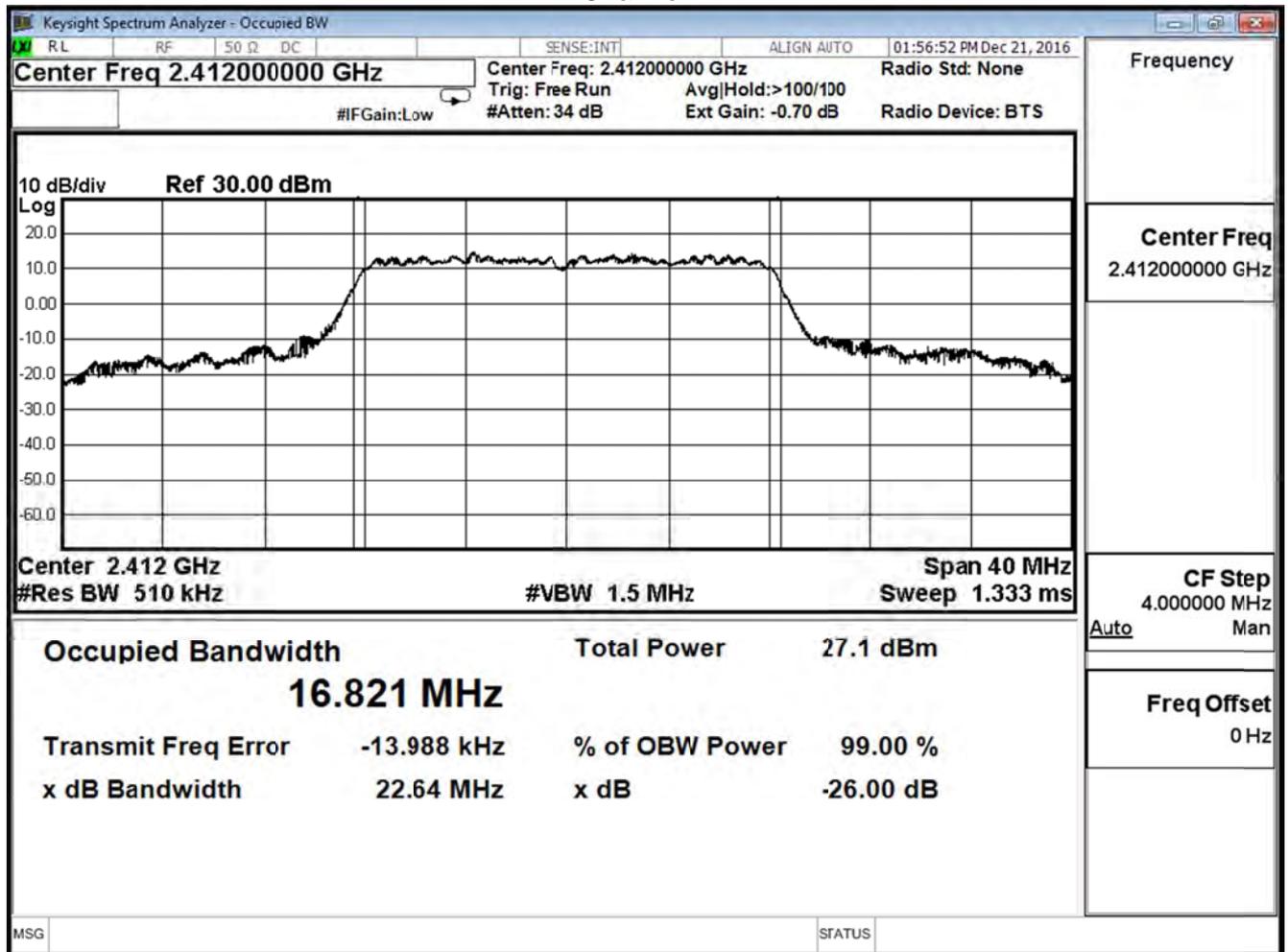


| | | | |
|--------------|------------------------------------|-----------|--------|
| Product | Lyra mini | | |
| Test Item | Occupied Bandwidth | | |
| Test Mode | Mode 1: Tx-AD2037320910LF-CDD Mode | | |
| Date of Test | 2016/12/21 | Test Site | SR10-H |

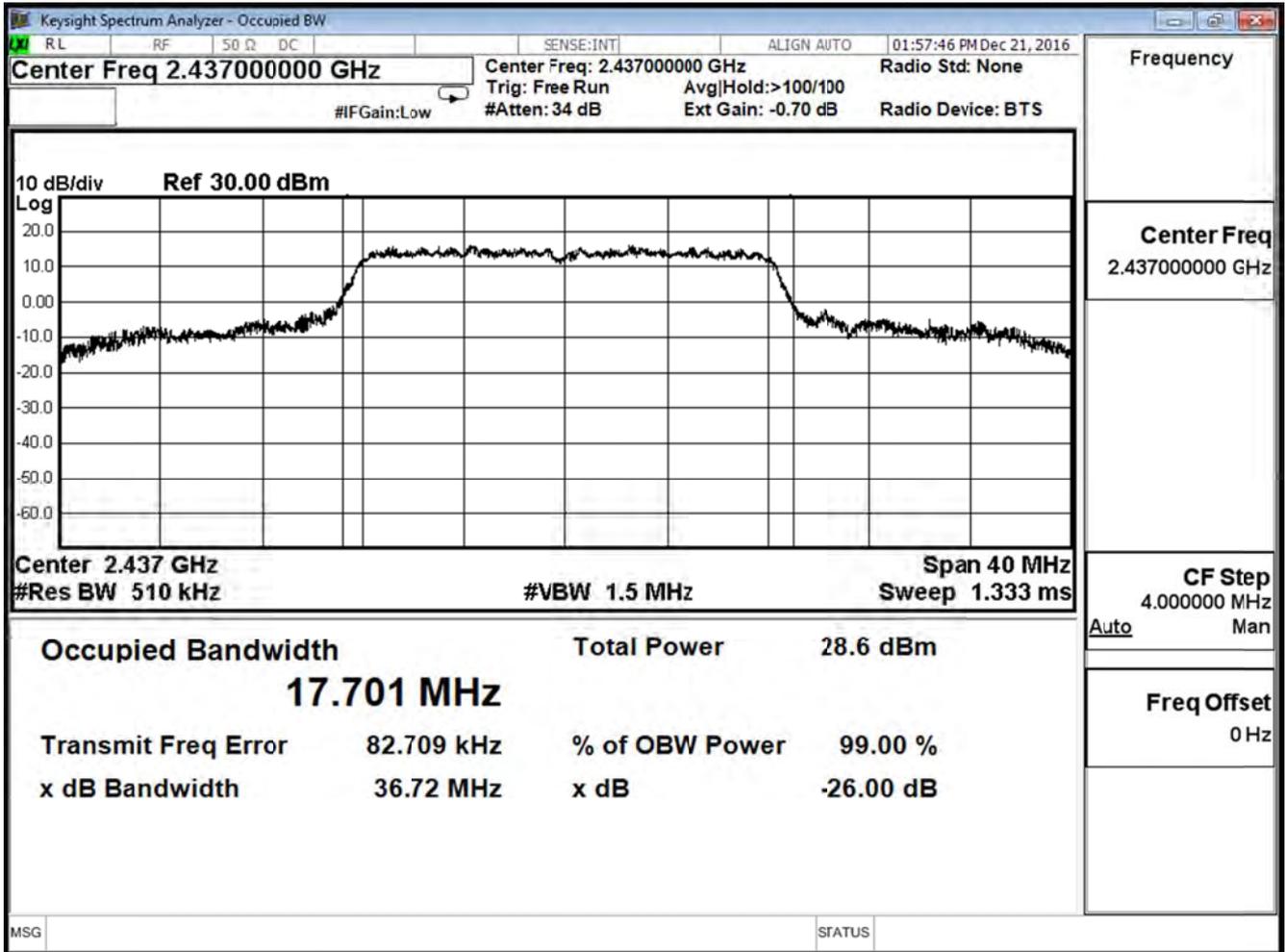
802.11 g (ANT 0)

| Channel No. | Frequency (MHz) | Measure Level(MHz) | Limit (MHz) | Result |
|-------------|-----------------|--------------------|-------------|--------|
| 1 | 2412 | 16.82 | -- | Pass |
| 6 | 2437 | 17.70 | -- | Pass |
| 11 | 2462 | 16.68 | -- | Pass |

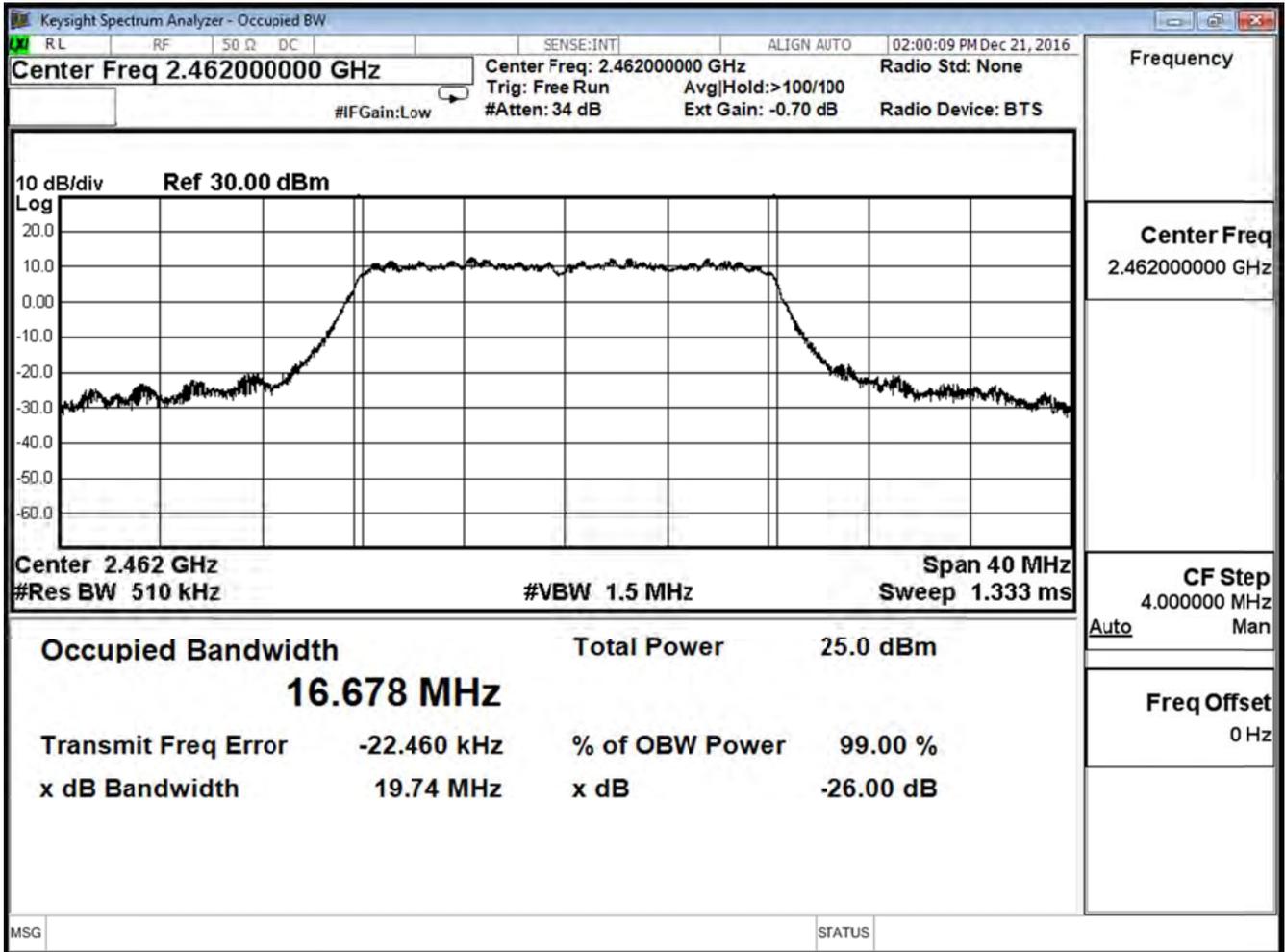
Channel 1



Channel 6



Channel 11

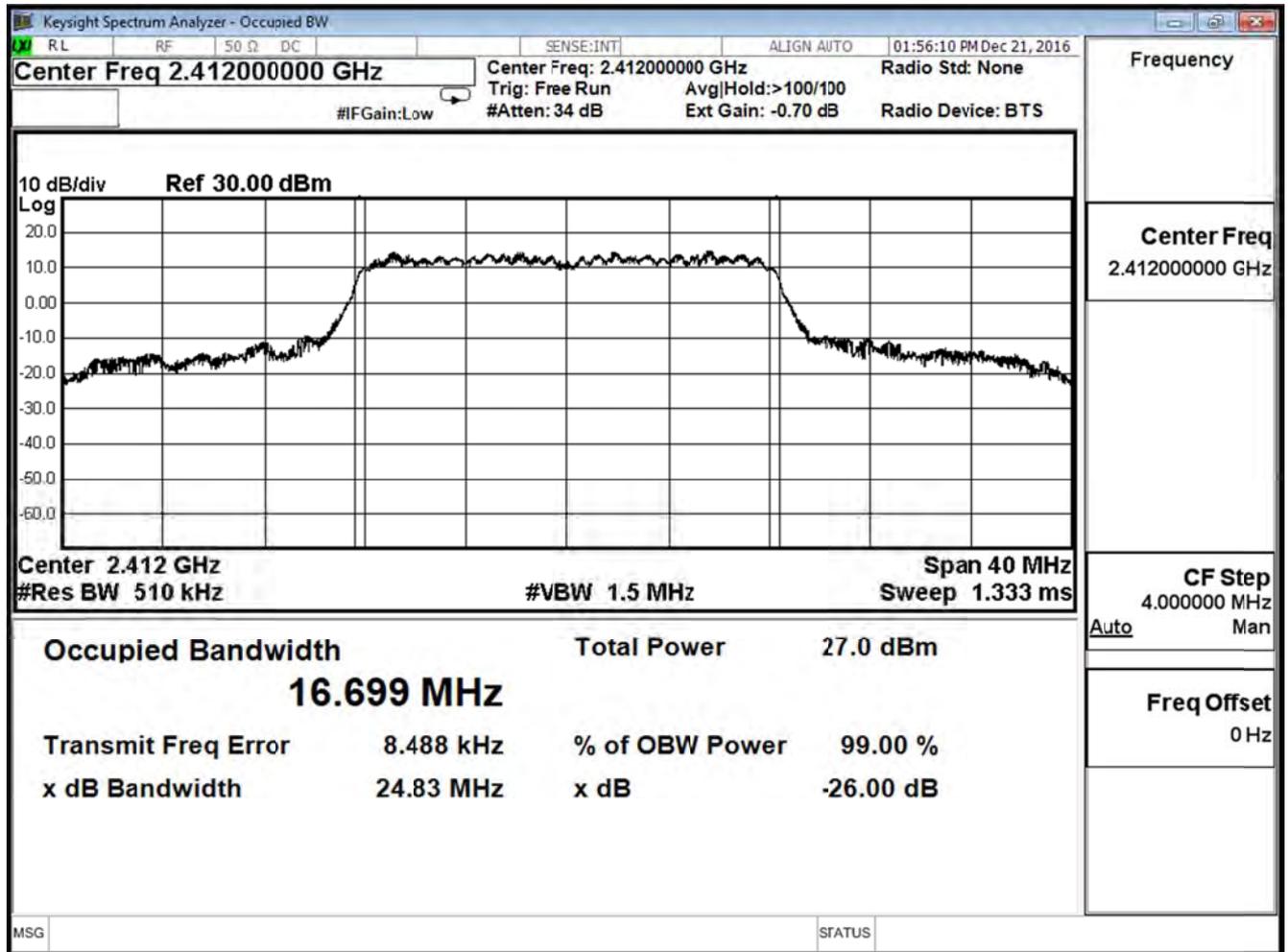


| | | | |
|--------------|------------------------------------|-----------|--------|
| Product | Lyra mini | | |
| Test Item | Occupied Bandwidth | | |
| Test Mode | Mode 1: Tx-AD2037320910LF-CDD Mode | | |
| Date of Test | 2016/12/21 | Test Site | SR10-H |

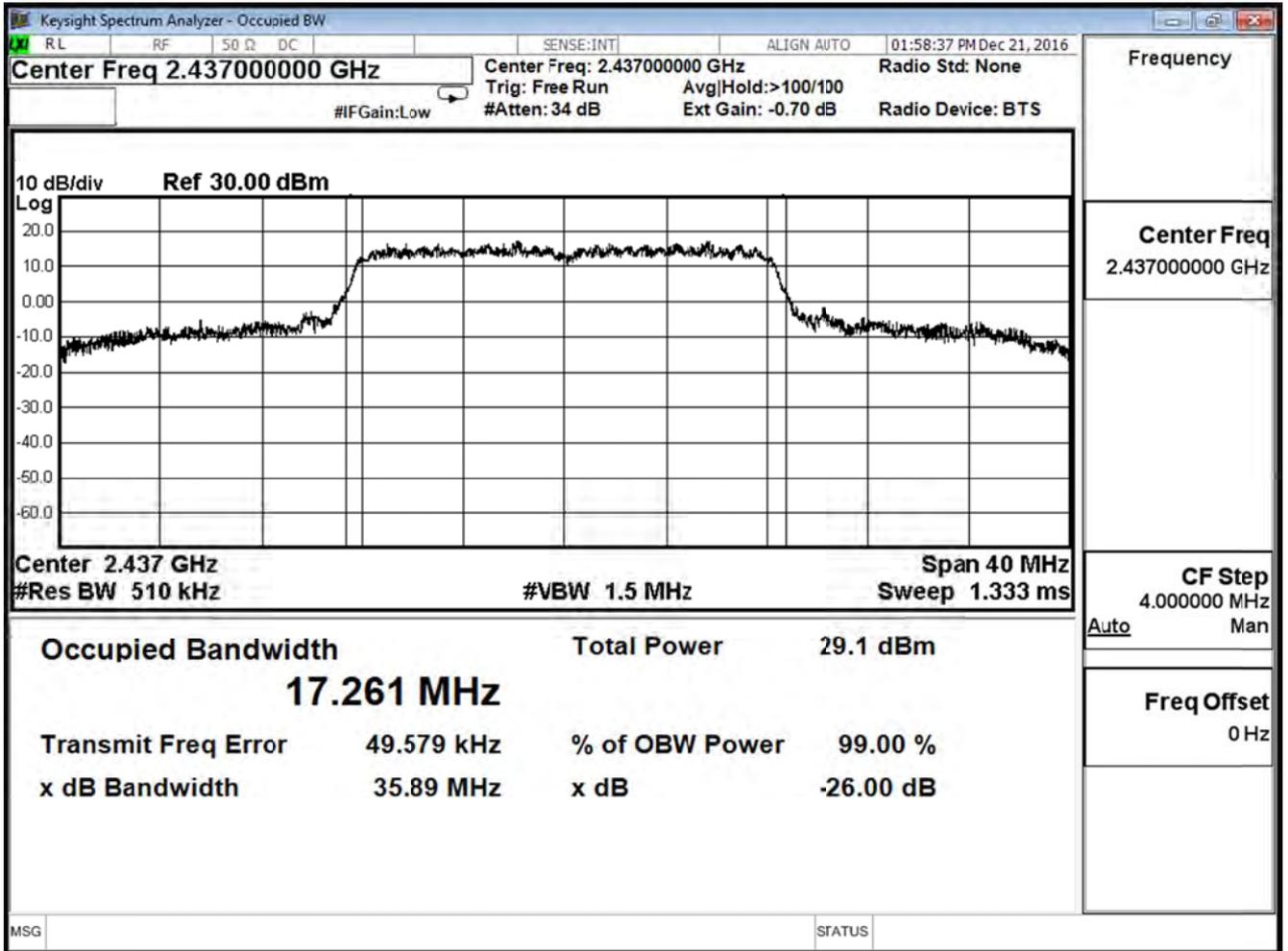
802.11 g (ANT 1)

| Channel No. | Frequency (MHz) | Measure Level(MHz) | Limit (MHz) | Result |
|-------------|-----------------|--------------------|-------------|--------|
| 1 | 2412 | 16.70 | -- | Pass |
| 6 | 2437 | 17.26 | -- | Pass |
| 11 | 2462 | 16.59 | -- | Pass |

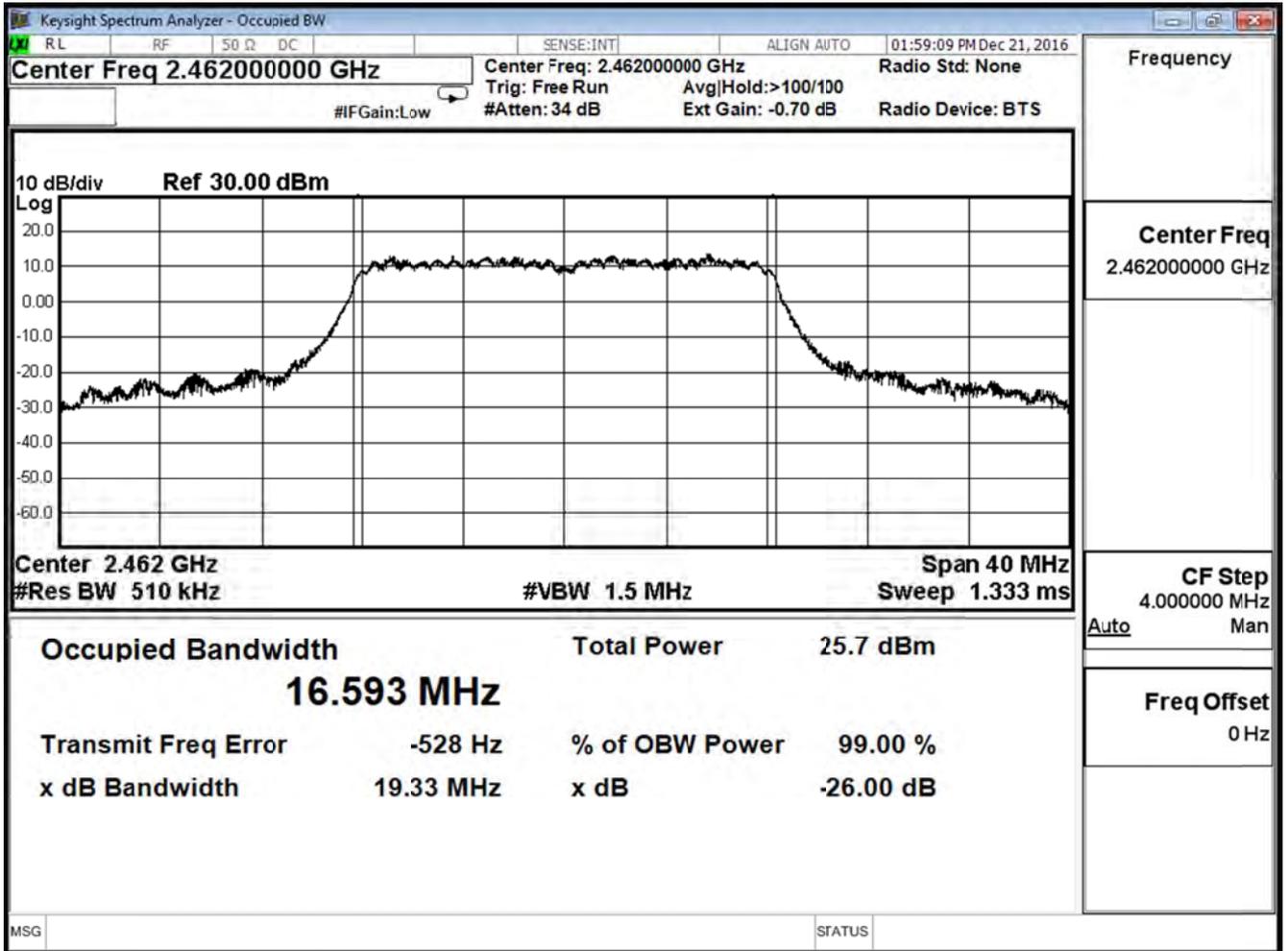
Channel 1



Channel 6



Channel 11

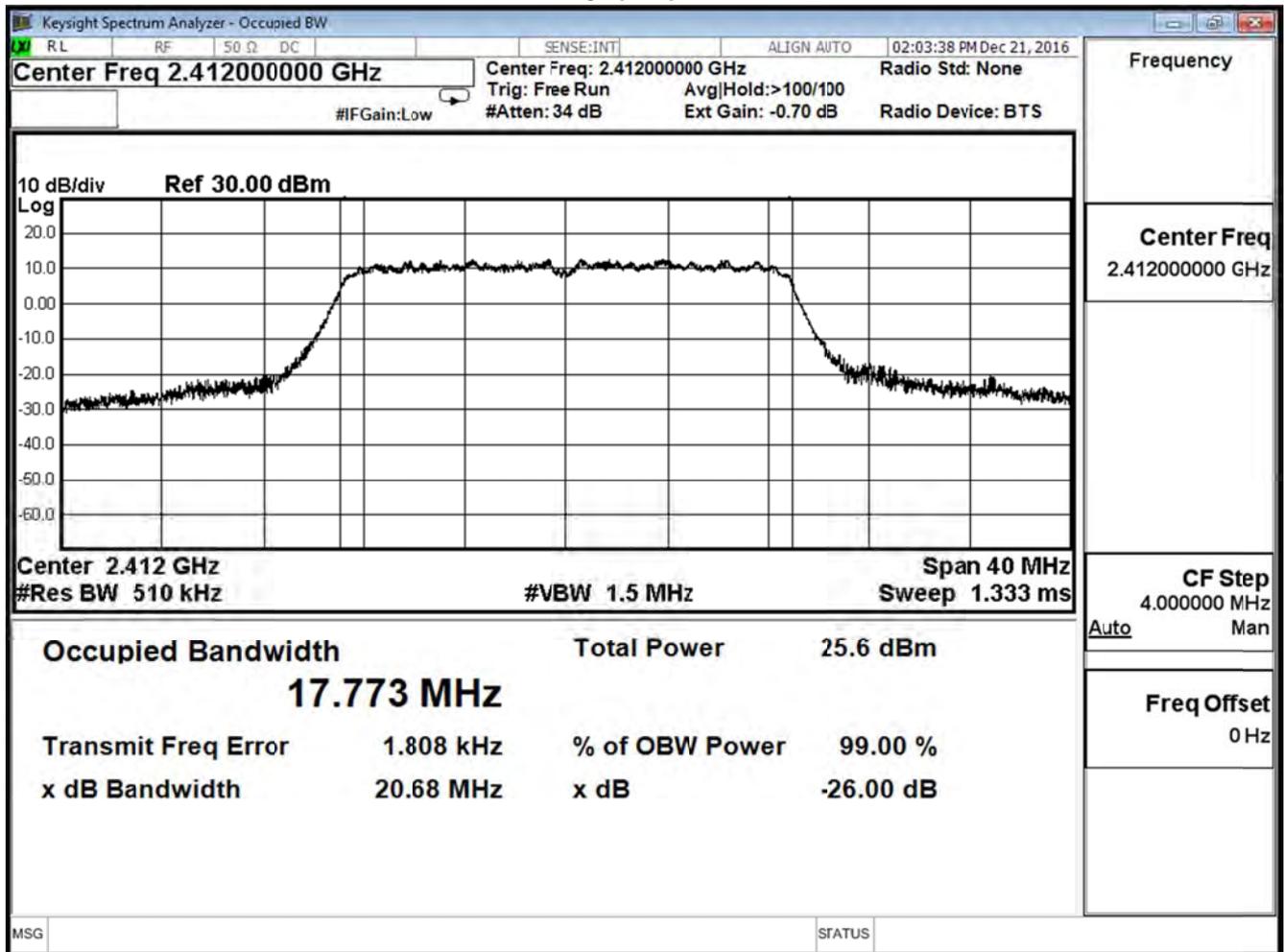


| | | | |
|--------------|------------------------------------|-----------|--------|
| Product | Lyra mini | | |
| Test Item | Occupied Bandwidth | | |
| Test Mode | Mode 1: Tx-AD2037320910LF-CDD Mode | | |
| Date of Test | 2016/12/21 | Test Site | SR10-H |

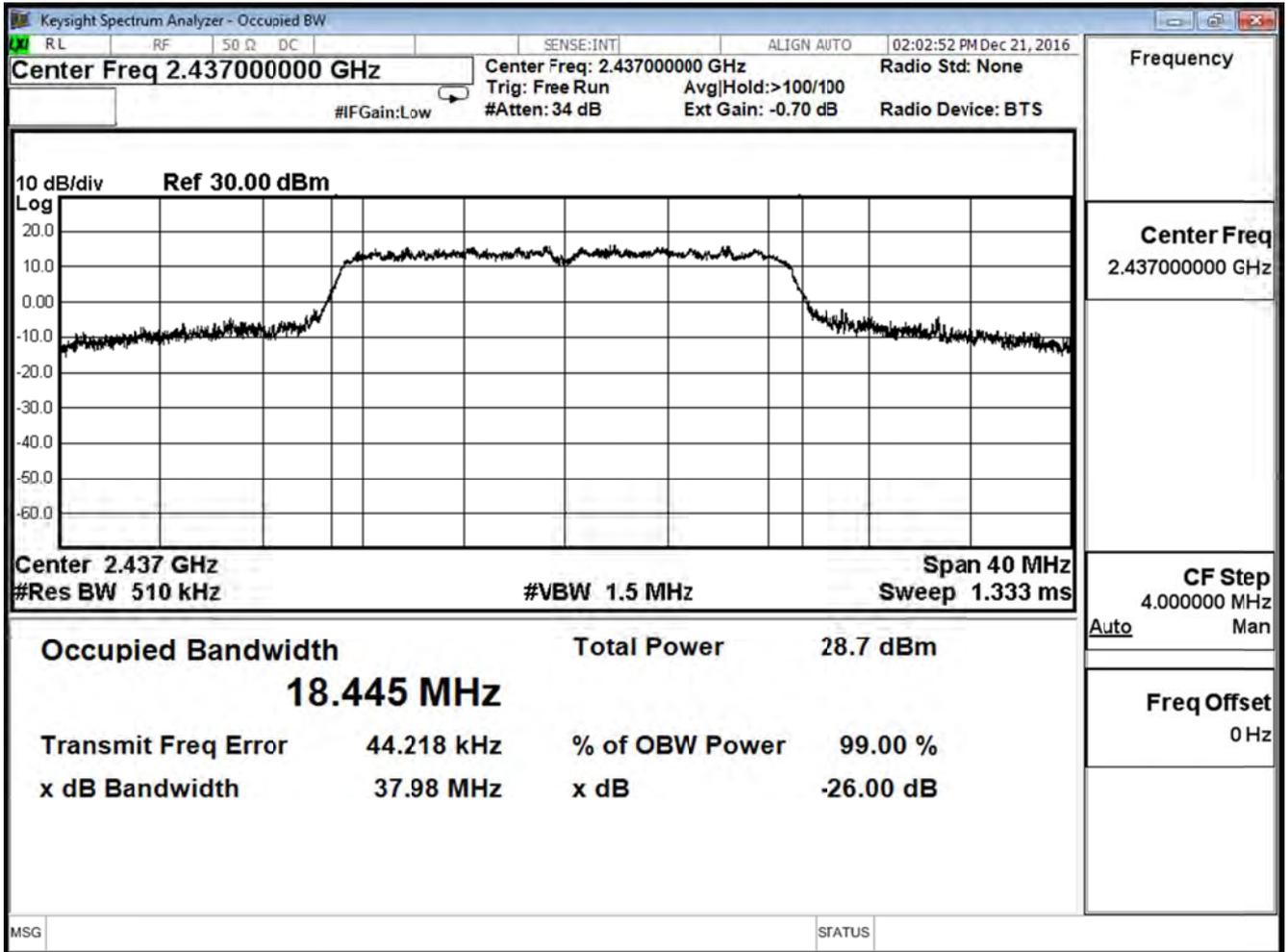
IEEE802.11n 20MHz (ANT 0)

| Channel No. | Frequency (MHz) | Measure Level(MHz) | Limit (MHz) | Result |
|-------------|-----------------|--------------------|-------------|--------|
| 1 | 2412 | 17.77 | -- | Pass |
| 6 | 2437 | 18.45 | -- | Pass |
| 11 | 2462 | 17.78 | -- | Pass |

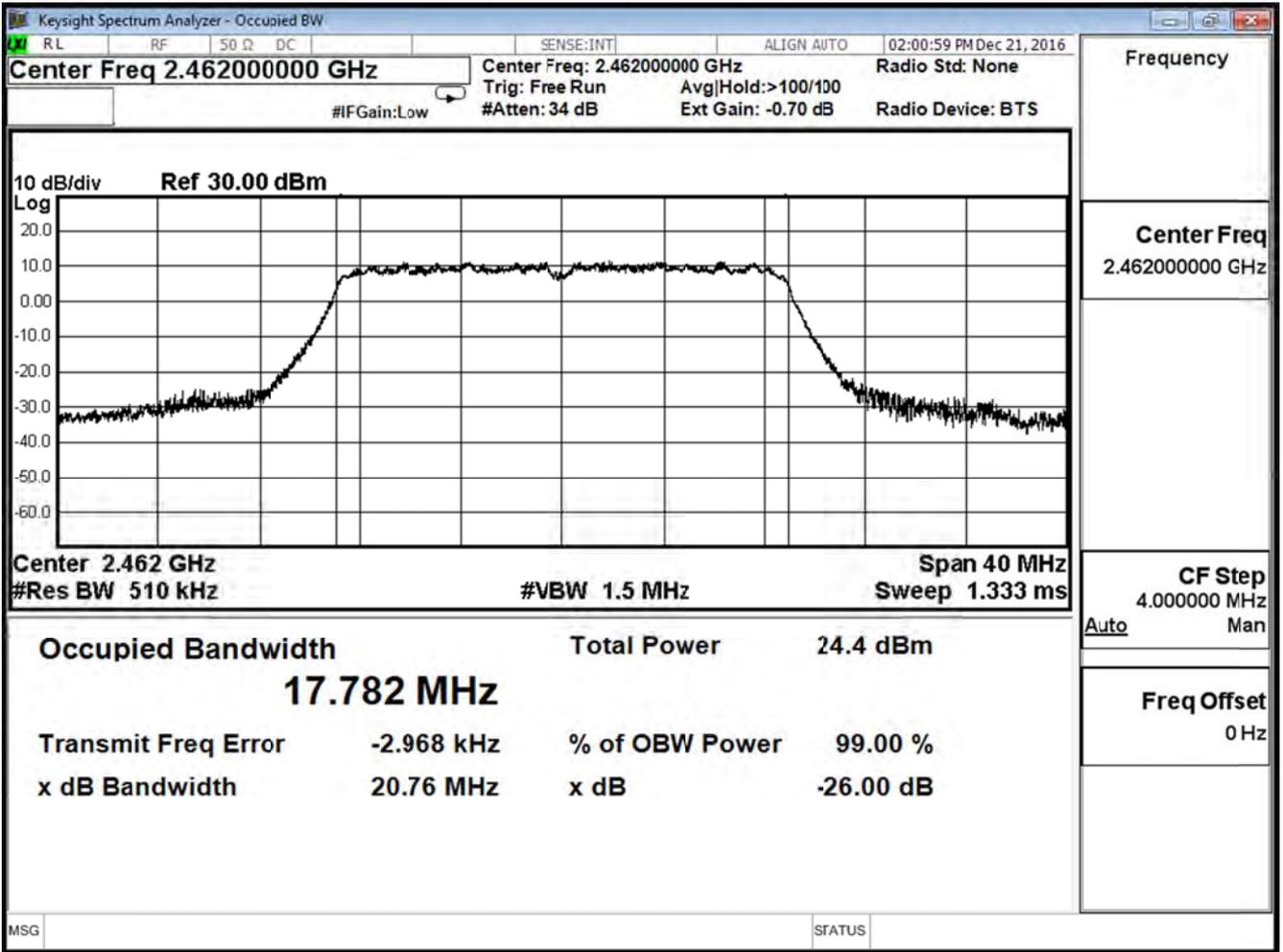
Channel 1



Channel 6



Channel 11

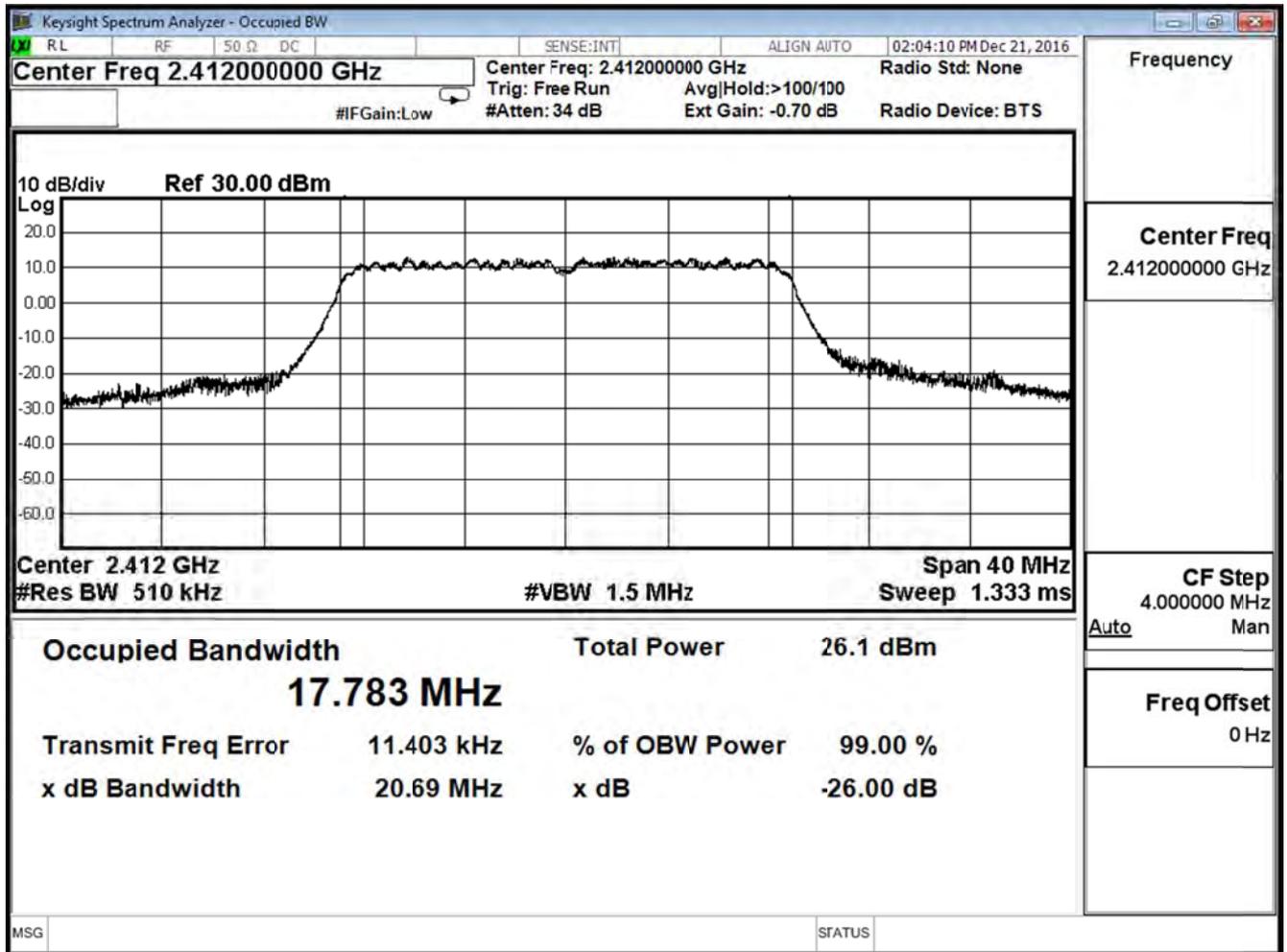


| | | | |
|--------------|------------------------------------|-----------|--------|
| Product | Lyra mini | | |
| Test Item | Occupied Bandwidth | | |
| Test Mode | Mode 1: Tx-AD2037320910LF-CDD Mode | | |
| Date of Test | 2016/12/21 | Test Site | SR10-H |

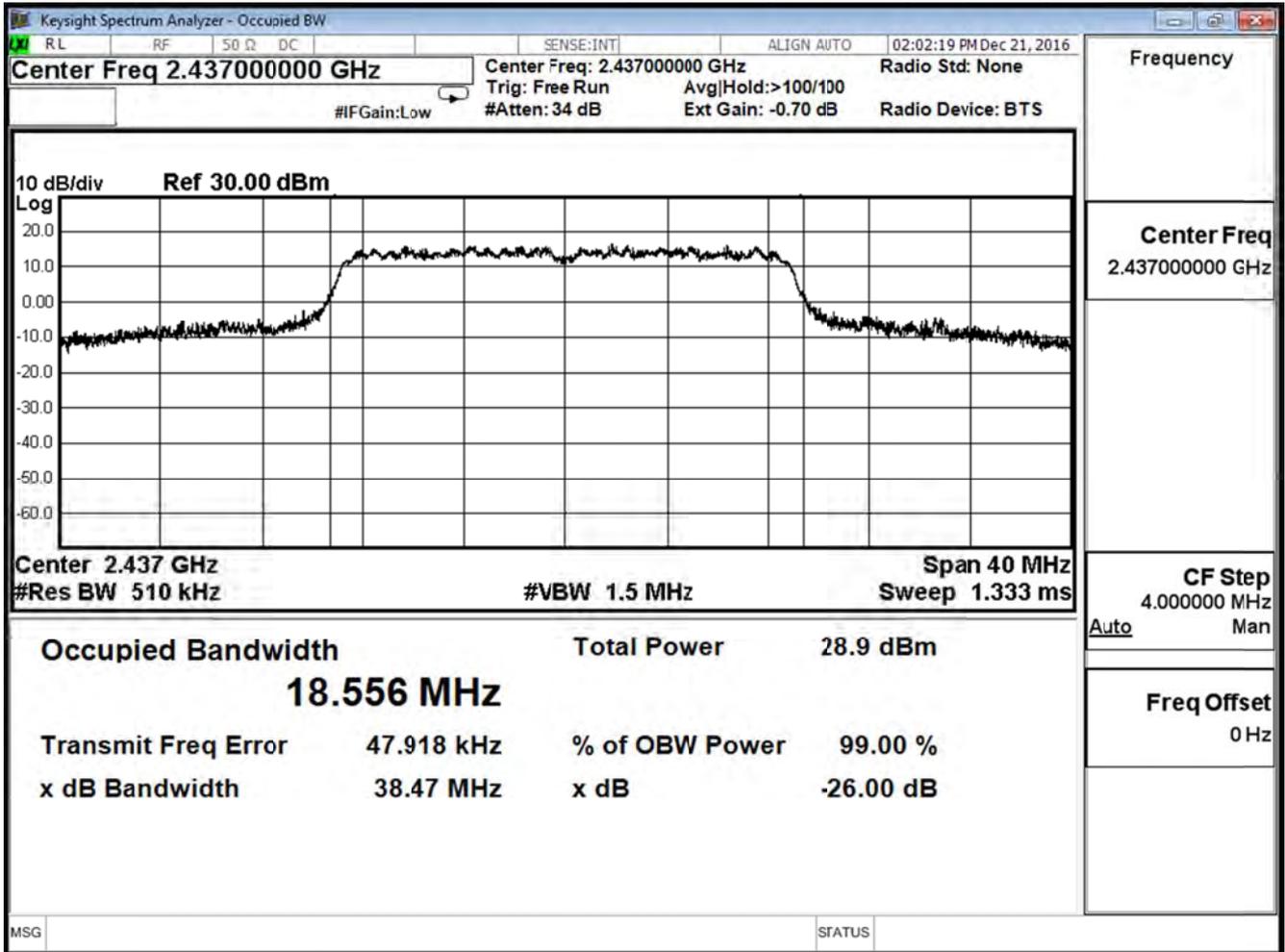
IEEE802.11n 20MHz (ANT 1)

| Channel No. | Frequency (MHz) | Measure Level (MHz) | Limit (MHz) | Result |
|-------------|-----------------|---------------------|-------------|--------|
| 1 | 2412 | 17.78 | -- | Pass |
| 6 | 2437 | 18.56 | -- | Pass |
| 11 | 2462 | 17.75 | -- | Pass |

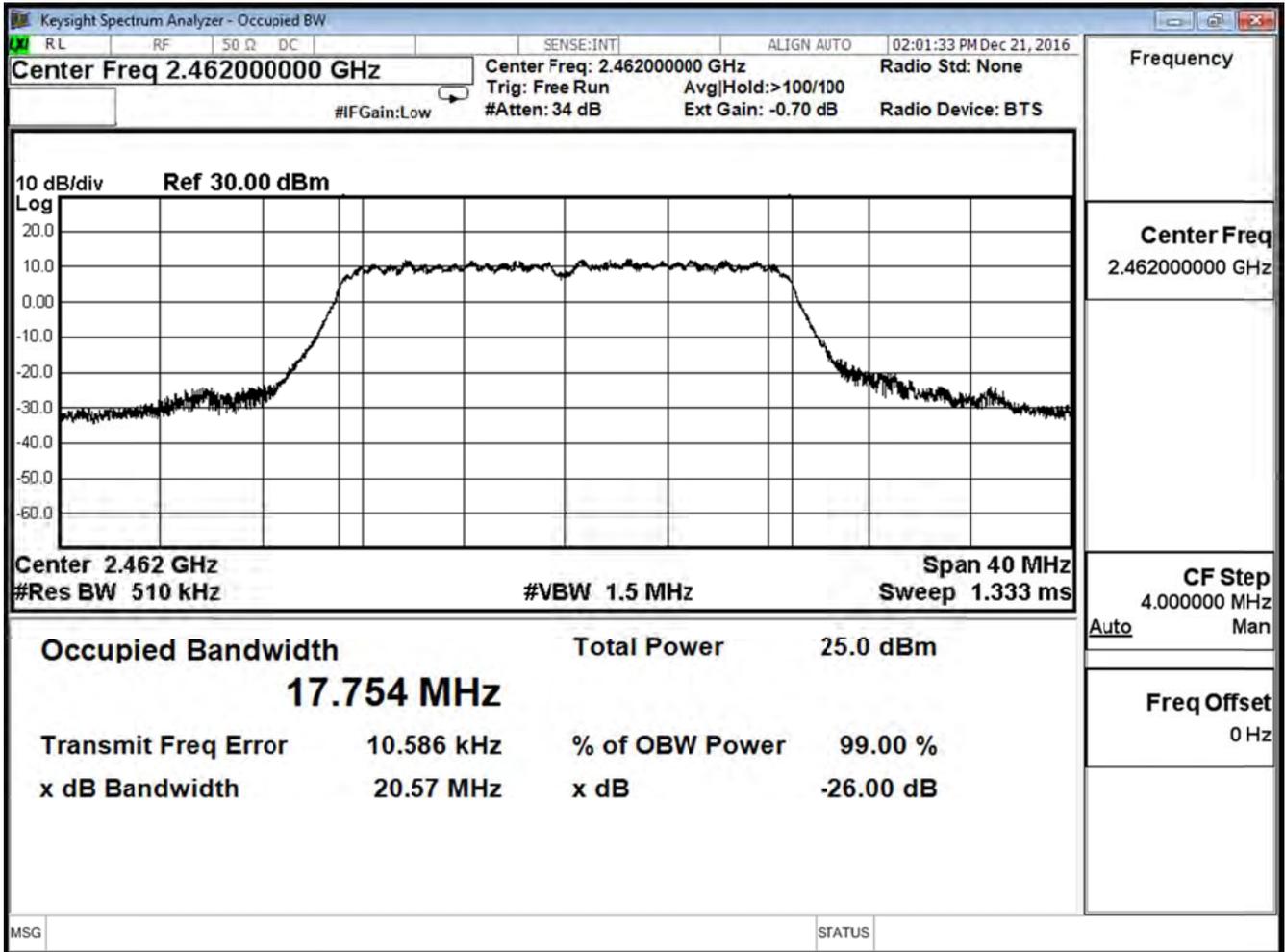
Channel 1



Channel 6



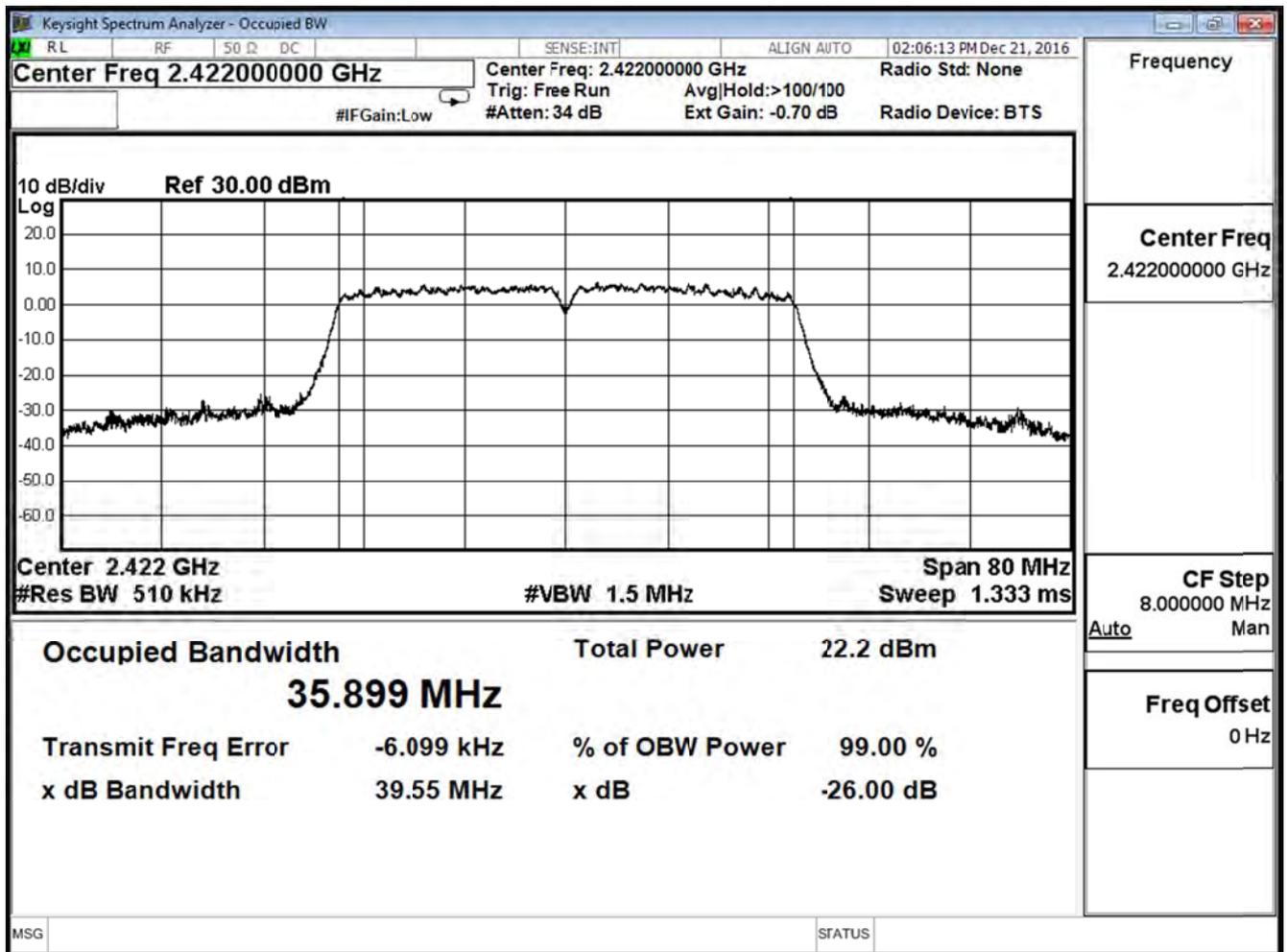
Channel 11



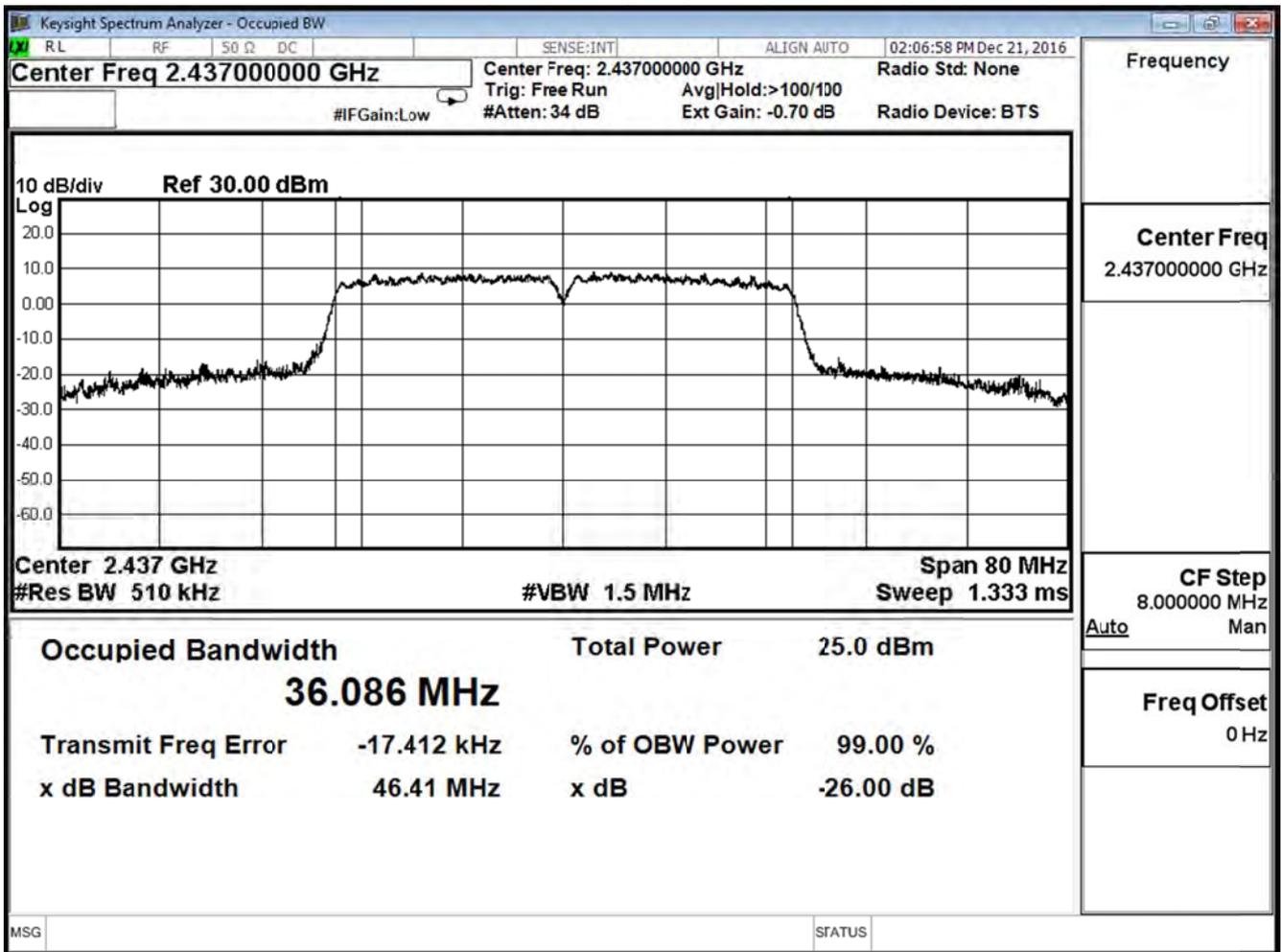
| | | | |
|--------------|------------------------------------|-----------|--------|
| Product | Lyra mini | | |
| Test Item | Occupied Bandwidth | | |
| Test Mode | Mode 1: Tx-AD2037320910LF-CDD Mode | | |
| Date of Test | 2016/12/21 | Test Site | SR10-H |

| IEEE802.11n 40MHz (ANT 0) | | | | |
|---------------------------|-----------------|---------------------|-------------|--------|
| Channel No. | Frequency (MHz) | Measure Level (MHz) | Limit (MHz) | Result |
| 3 | 2422 | 35.90 | -- | Pass |
| 6 | 2437 | 36.09 | -- | Pass |
| 9 | 2452 | 35.95 | -- | Pass |

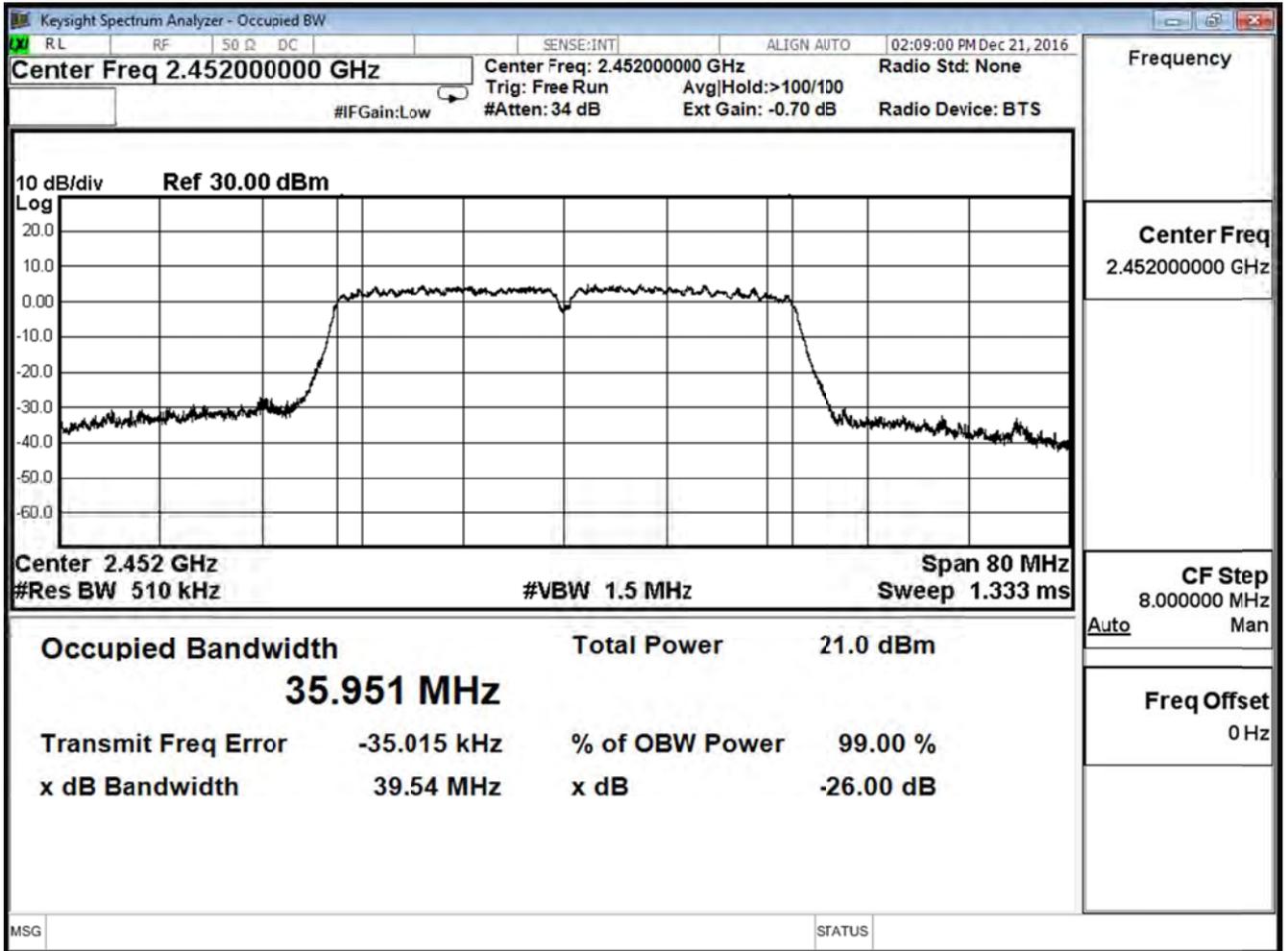
Channel 3



Channel 6



Channel 9

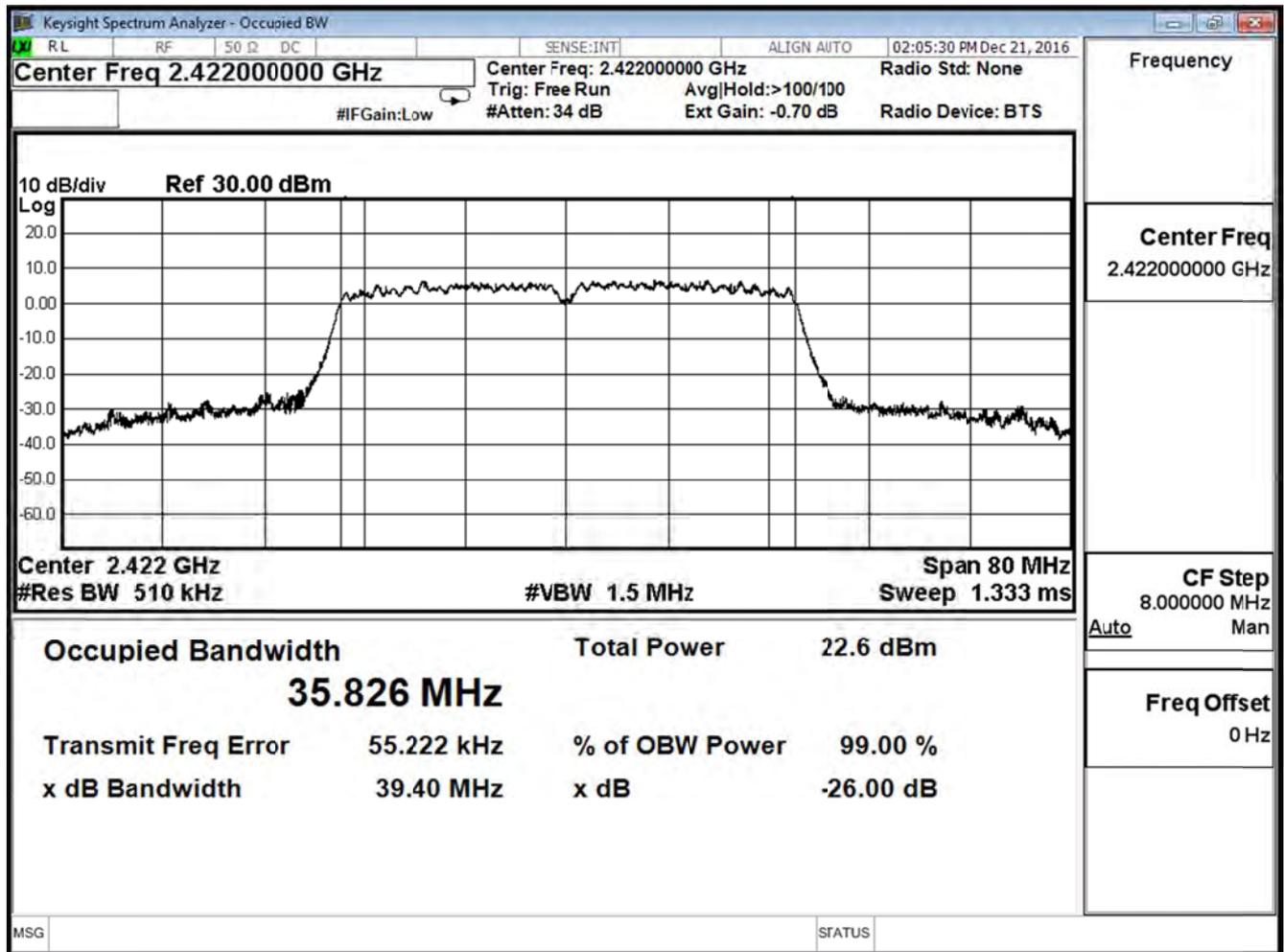


| | | | |
|--------------|------------------------------------|-----------|--------|
| Product | Lyra mini | | |
| Test Item | Occupied Bandwidth | | |
| Test Mode | Mode 1: Tx-AD2037320910LF-CDD Mode | | |
| Date of Test | 2016/12/21 | Test Site | SR10-H |

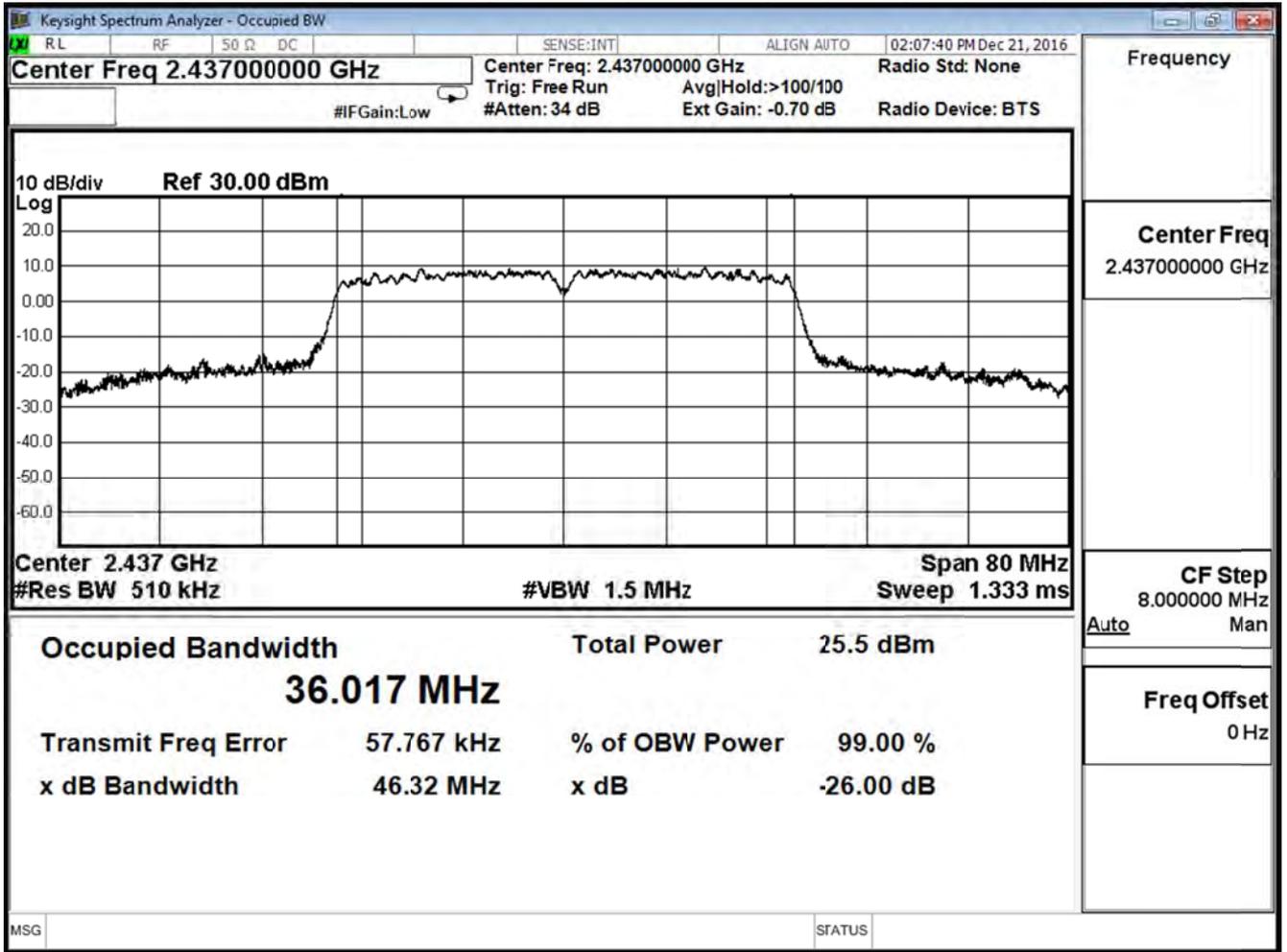
IEEE802.11n 40MHz (ANT 1)

| Channel No. | Frequency (MHz) | Measure Level (MHz) | Limit (MHz) | Result |
|-------------|-----------------|---------------------|-------------|--------|
| 3 | 2422 | 35.83 | -- | Pass |
| 6 | 2437 | 36.02 | -- | Pass |
| 9 | 2452 | 35.86 | -- | Pass |

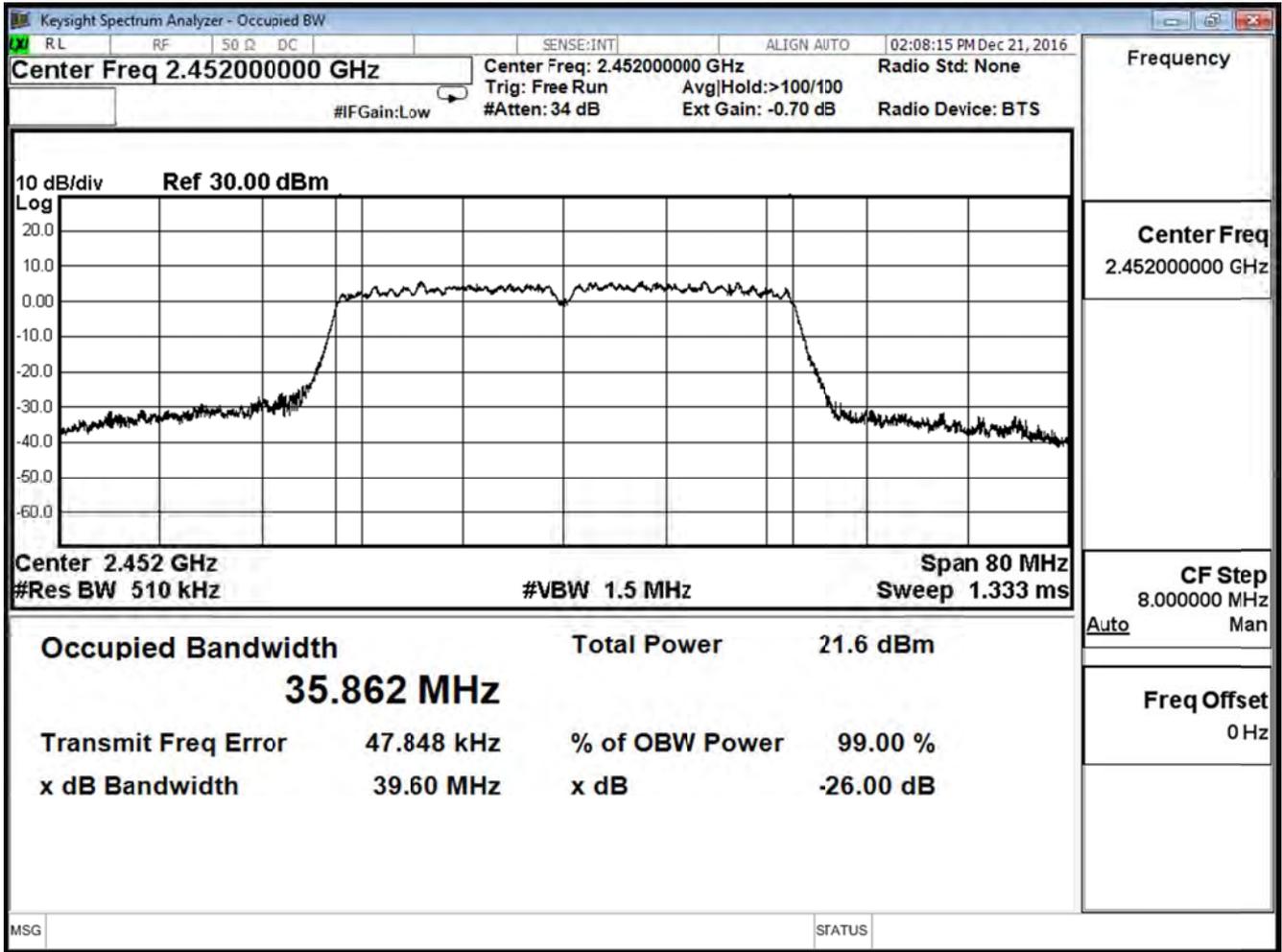
Channel 3



Channel 6



Channel 9



9. Power Density

9.1. Test Equipment

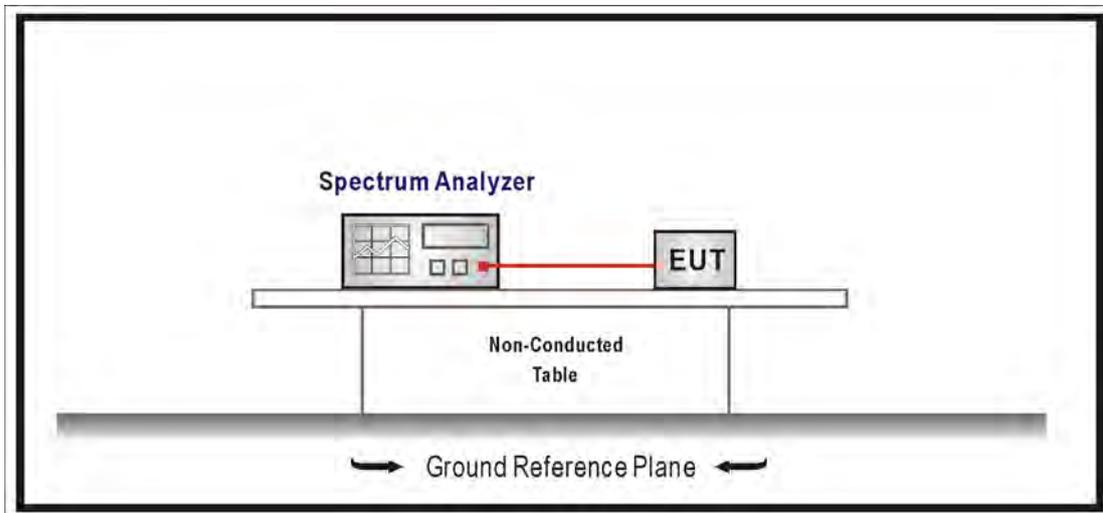
The following test equipment is used during the test:

Power Density / SR10-H

| Instrument | Manufacturer | Model No. | Serial No | Next Cal. Date |
|----------------------------|--------------|-----------|-----------|----------------|
| Signal & Spectrum Analyzer | R&S | FSV40 | 101049 | 2018/01/22 |

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

9.2. Test Setup



9.3. 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.

9.4. Test Procedures

The EUT was setup according to ANSI C63.10: 2013; tested according to DTS test procedure section 10.2 of KDB558074v03r05 for compliance to FCC 47CFR 15.247 requirements. Set 3KHz \leq RBW \leq 100 kHz, Set VBW \geq 3xRBW, Sweep time=Auto, Set Peak detector.

9.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2015

9.6. Uncertainty

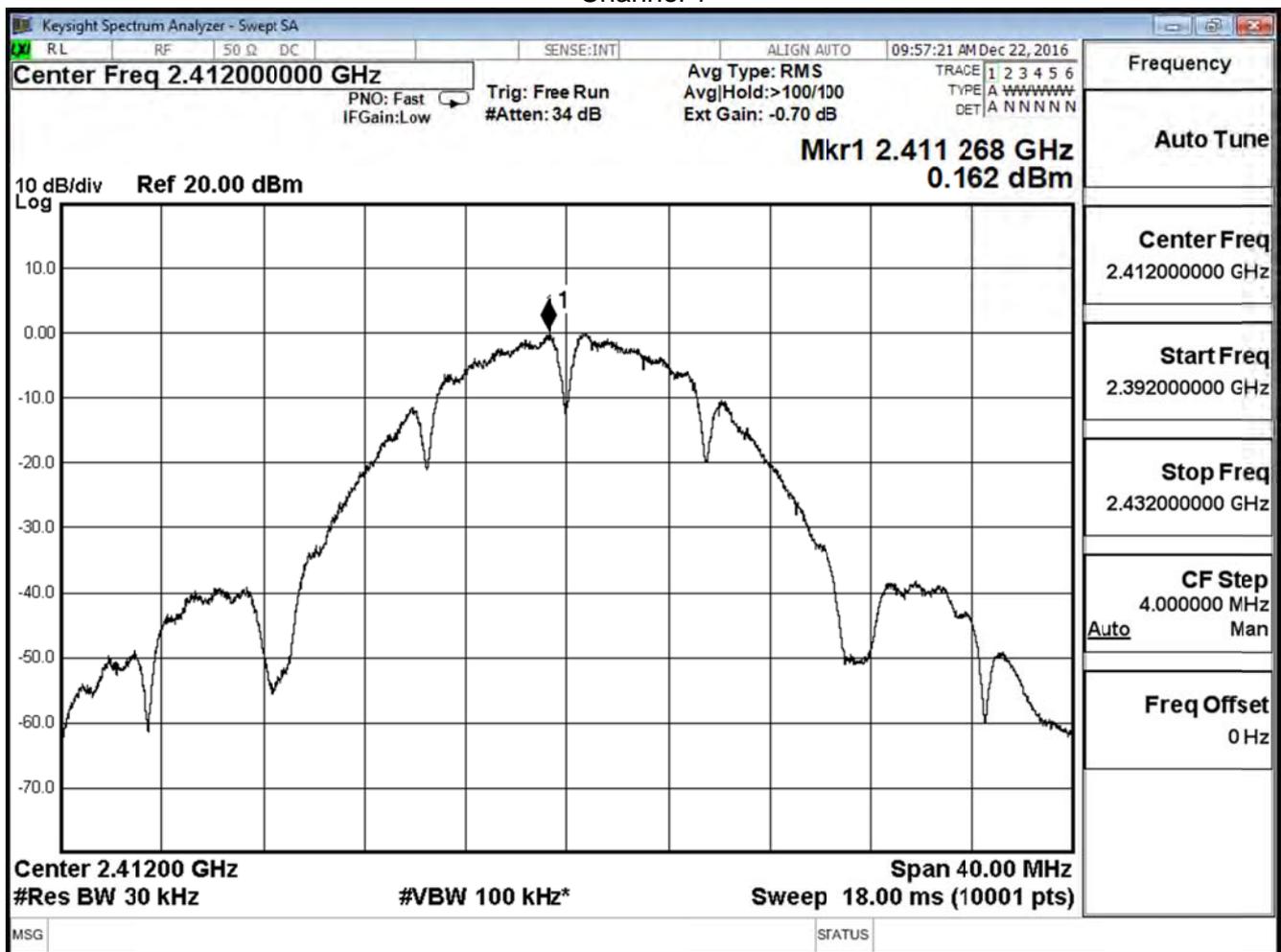
The measurement uncertainty is defined as ± 1.27 dB.

9.7. Test Result

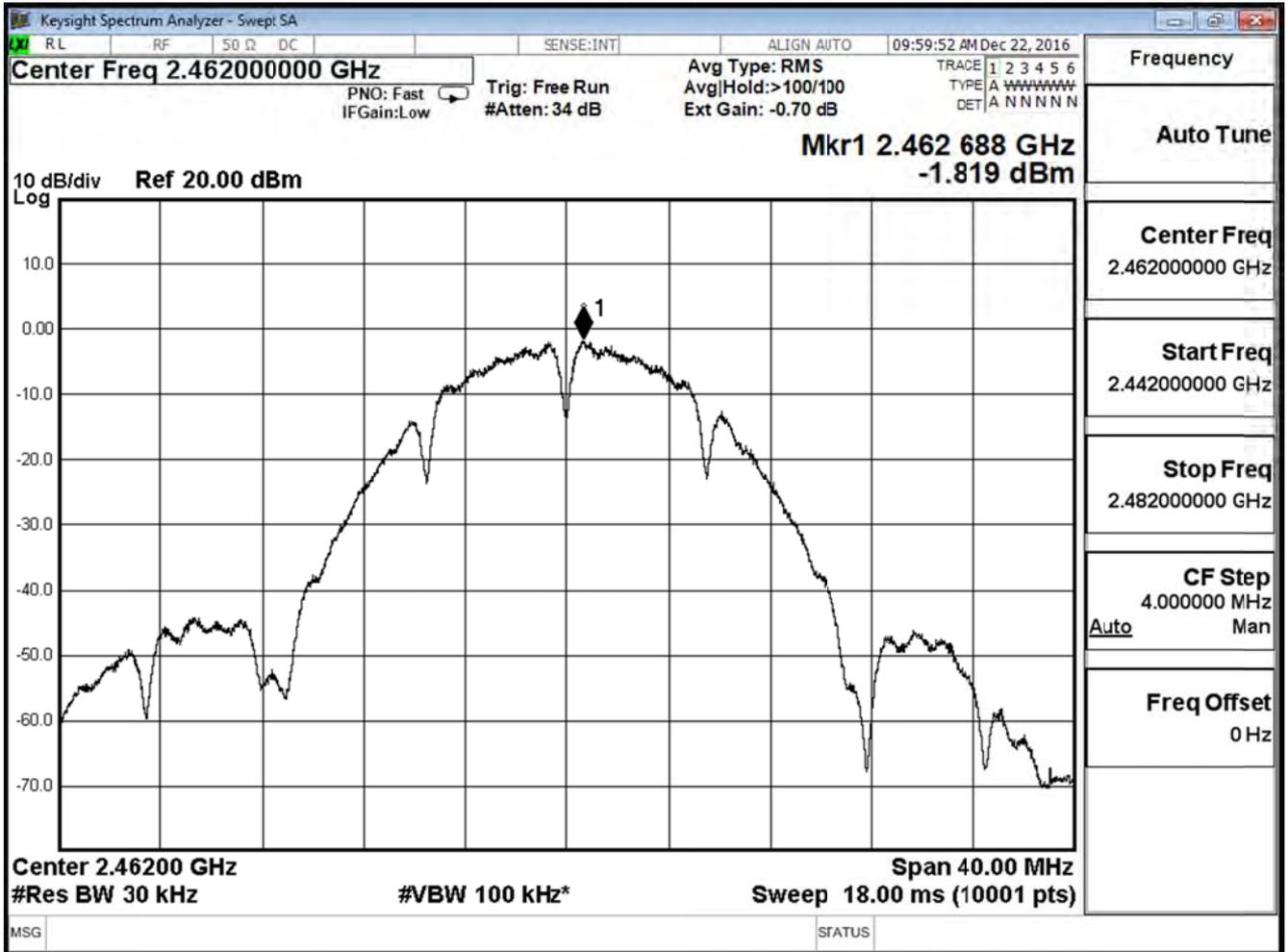
| | | | |
|--------------|------------------------------------|-----------|--------|
| Product | Lyra mini | | |
| Test Item | Power Density | | |
| Test Mode | Mode 1: Tx-AD2037320910LF-CDD Mode | | |
| Date of Test | 2016/12/22 | Test Site | SR10-H |

| IEEE 802.11b (ANT 0) | | | | |
|----------------------|-----------------|---------------------|-------------|--------|
| Channel No. | Frequency (MHz) | Measure Level (dBm) | Limit (dBm) | Result |
| 1 | 2412 | 0.162 | ≤ 8 | Pass |
| 6 | 2437 | -0.136 | ≤ 8 | Pass |
| 11 | 2462 | -1.819 | ≤ 8 | Pass |

Channel 1



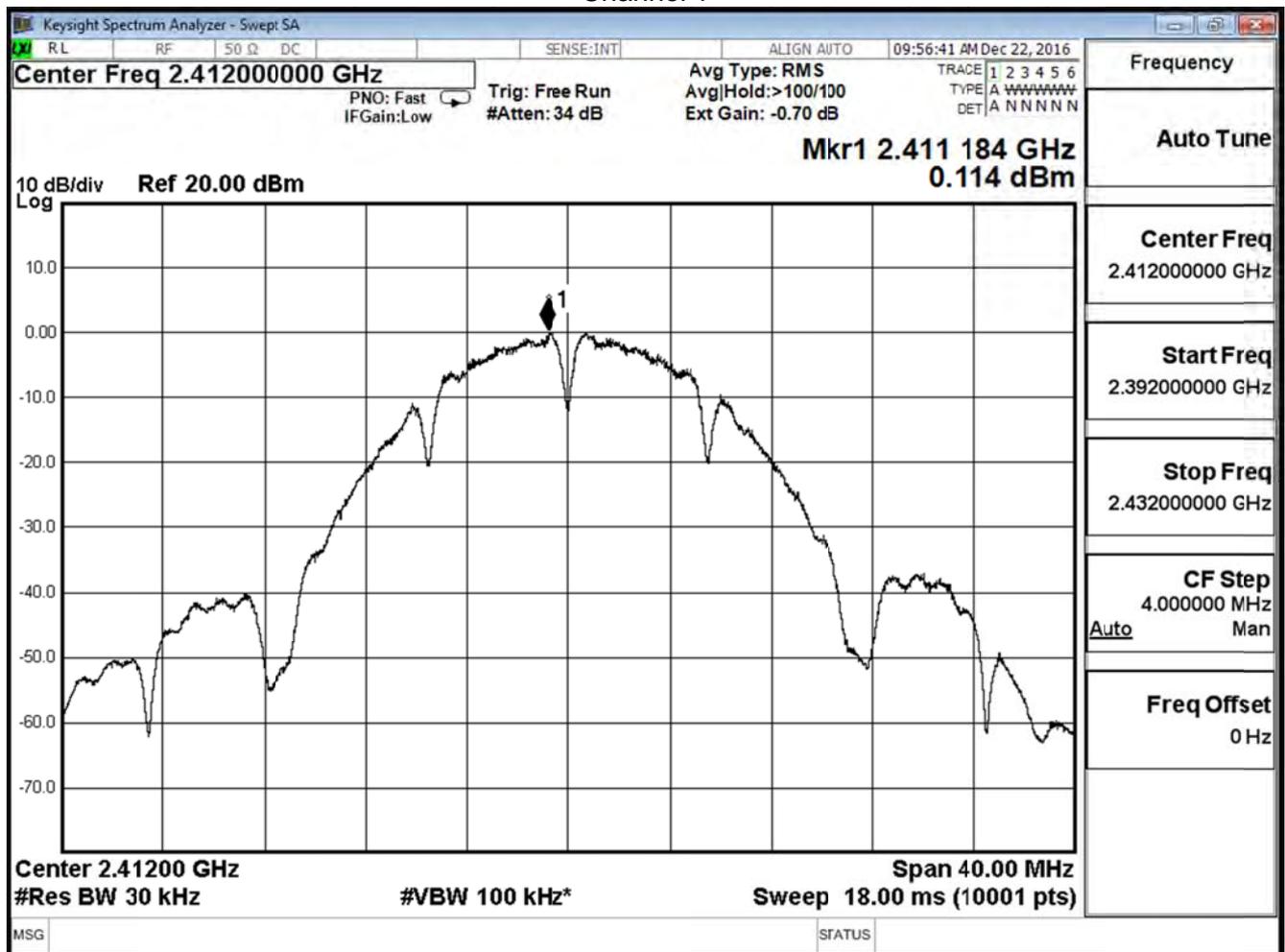
Channel 11



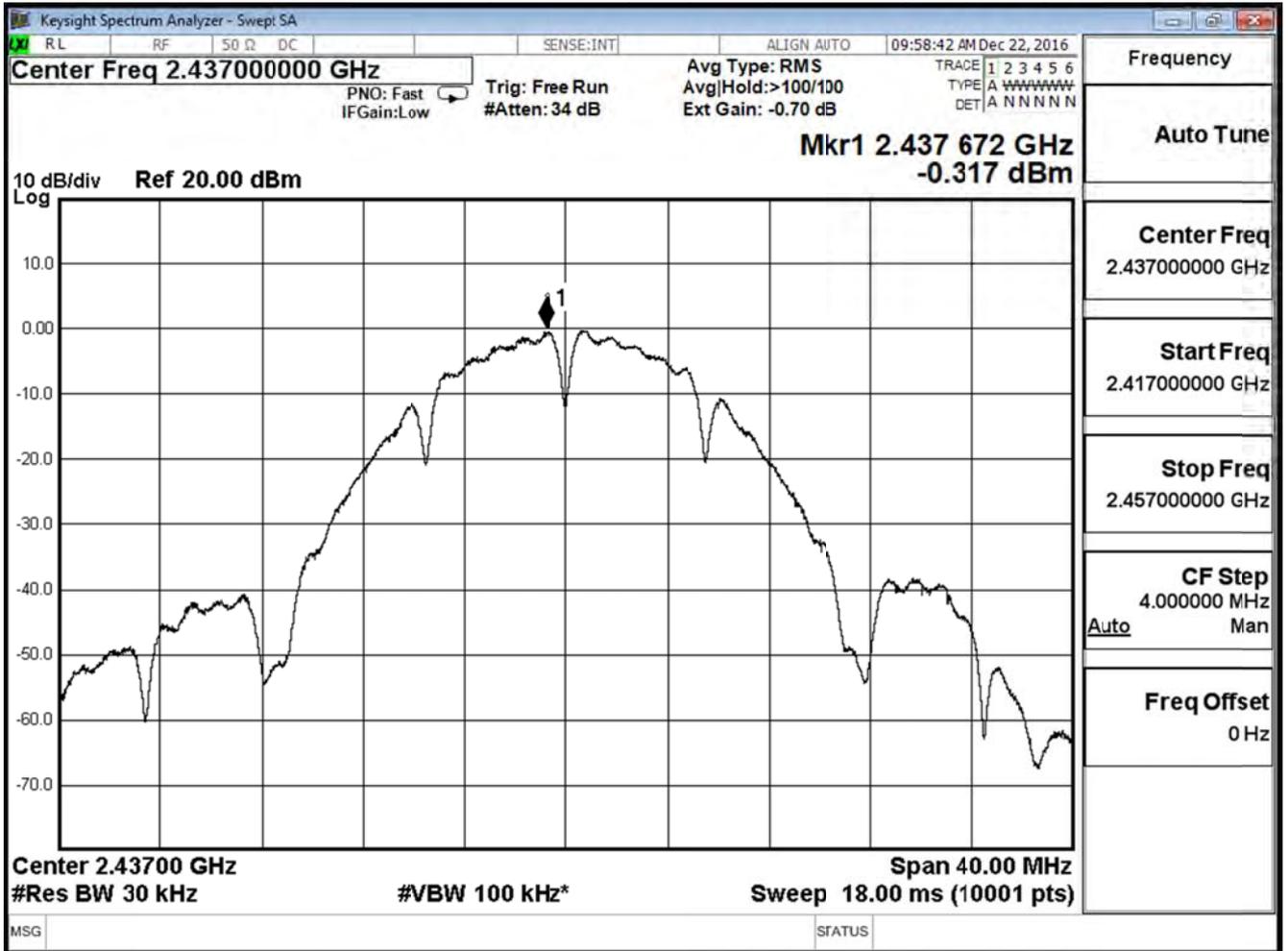
| | | | |
|--------------|------------------------------------|-----------|--------|
| Product | Lyra mini | | |
| Test Item | Power Density | | |
| Test Mode | Mode 1: Tx-AD2037320910LF-CDD Mode | | |
| Date of Test | 2016/12/22 | Test Site | SR10-H |

| IEEE 802.11b (ANT 1) | | | | |
|----------------------|-----------------|---------------------|-------------|--------|
| Channel No. | Frequency (MHz) | Measure Level (dBm) | Limit (dBm) | Result |
| 1 | 2412 | 0.114 | ≤ 8 | Pass |
| 6 | 2437 | -0.317 | ≤ 8 | Pass |
| 11 | 2462 | -1.807 | ≤ 8 | Pass |

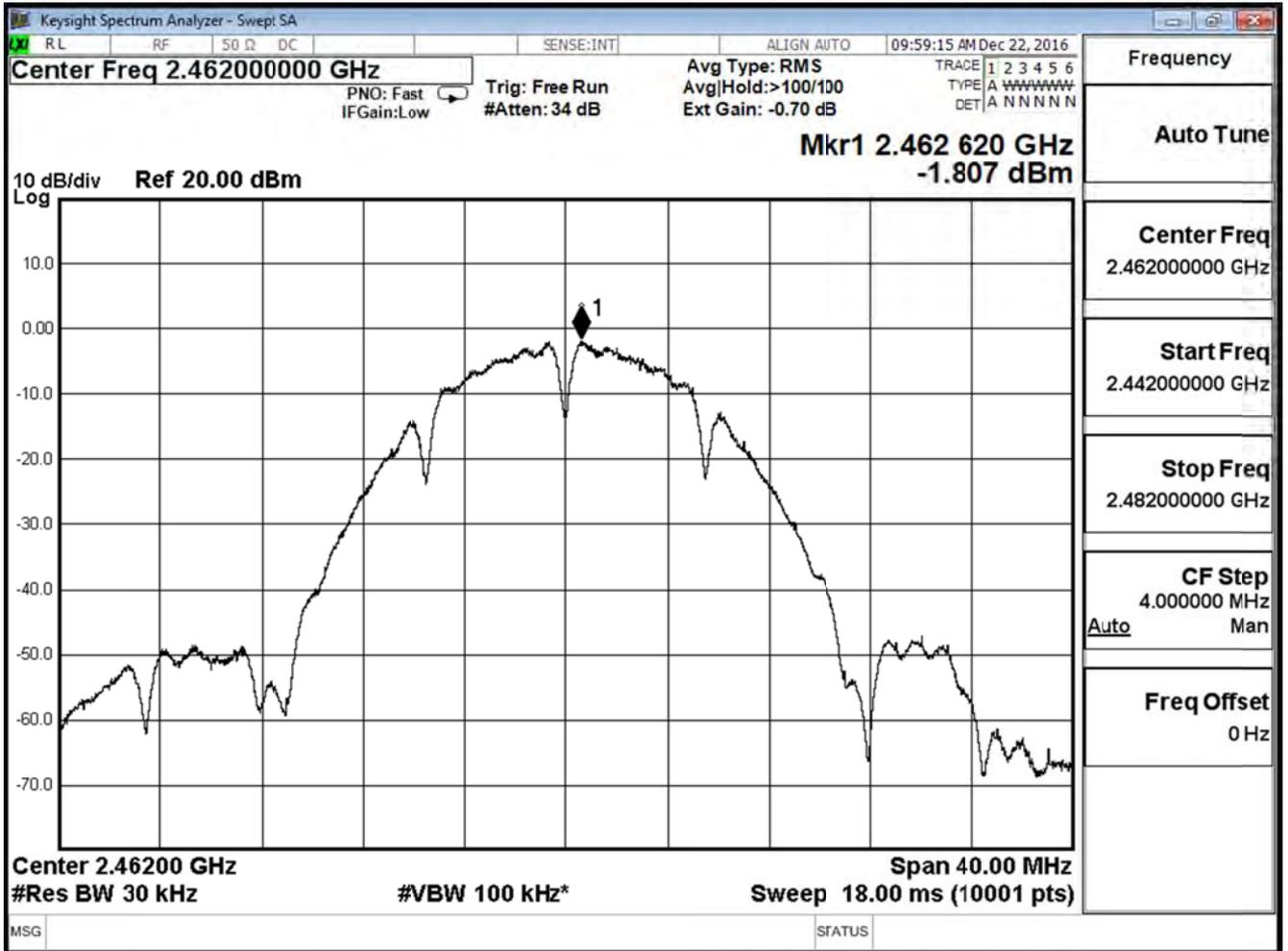
Channel 1



Channel 6



Channel 11



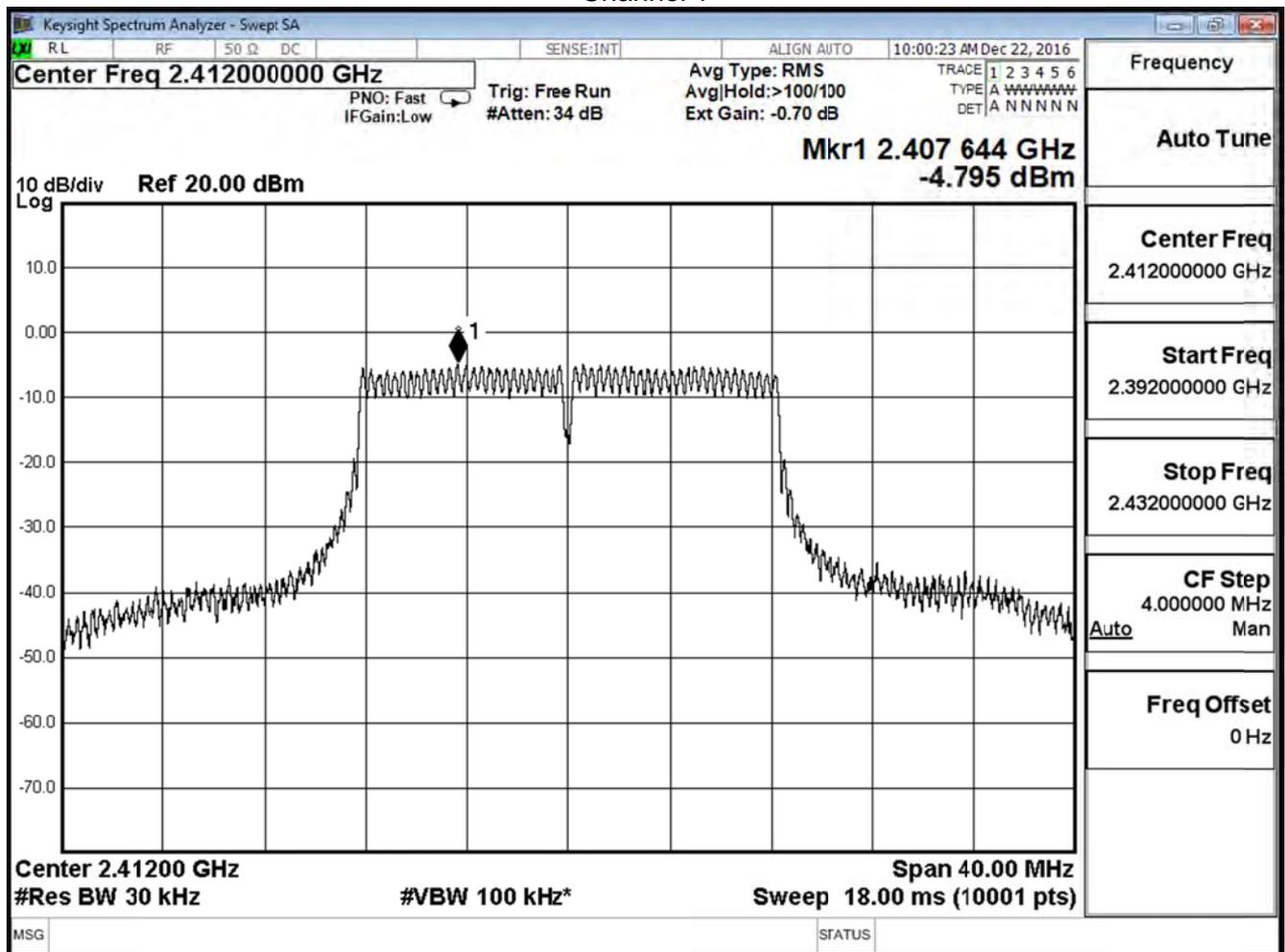
| | | | |
|--------------|------------------------------------|-----------|--------|
| Product | Lyra mini | | |
| Test Item | Power Density | | |
| Test Mode | Mode 1: Tx-AD2037320910LF-CDD Mode | | |
| Date of Test | 2016/12/22 | Test Site | SR10-H |

| IEEE 802.11b (ANT 0+1) | | | | |
|------------------------|-----------------|---------------------|-------------|--------|
| Channel No. | Frequency (MHz) | Measure Level (dBm) | Limit (dBm) | Result |
| 1 | 2412 | 3.148 | ≤ 8 | Pass |
| 6 | 2437 | 2.785 | ≤ 8 | Pass |
| 11 | 2462 | 1.197 | ≤ 8 | Pass |

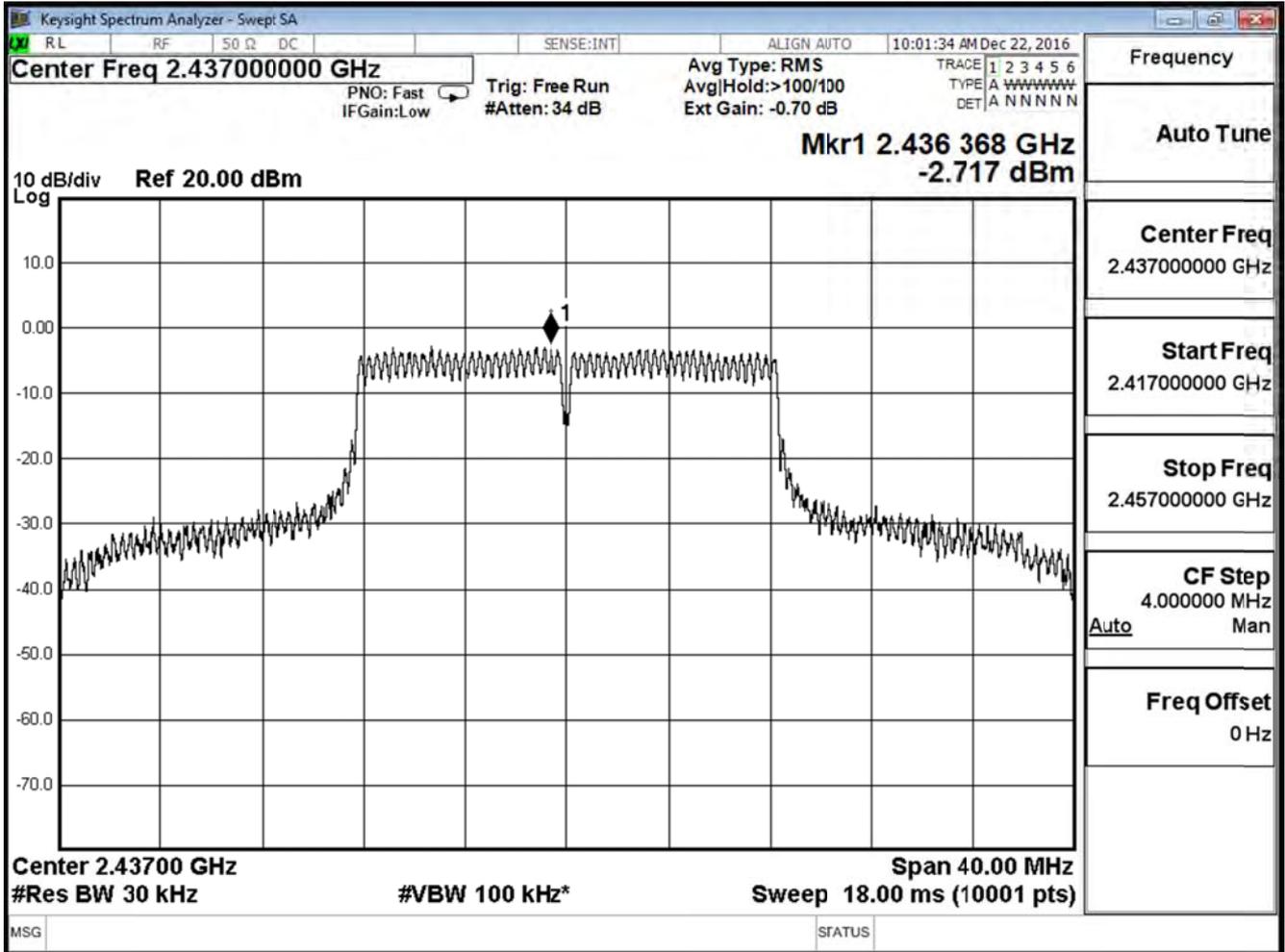
| | | | |
|--------------|------------------------------------|-----------|--------|
| Product | Lyra mini | | |
| Test Item | Power Density | | |
| Test Mode | Mode 1: Tx-AD2037320910LF-CDD Mode | | |
| Date of Test | 2016/12/22 | Test Site | SR10-H |

| IEEE 802.11g (ANT 0) | | | | |
|----------------------|-----------------|---------------------|-------------|--------|
| Channel No. | Frequency (MHz) | Measure Level (dBm) | Limit (dBm) | Result |
| 1 | 2412 | -4.795 | ≤ 8 | Pass |
| 6 | 2437 | -2.717 | ≤ 8 | Pass |
| 11 | 2462 | -6.306 | ≤ 8 | Pass |

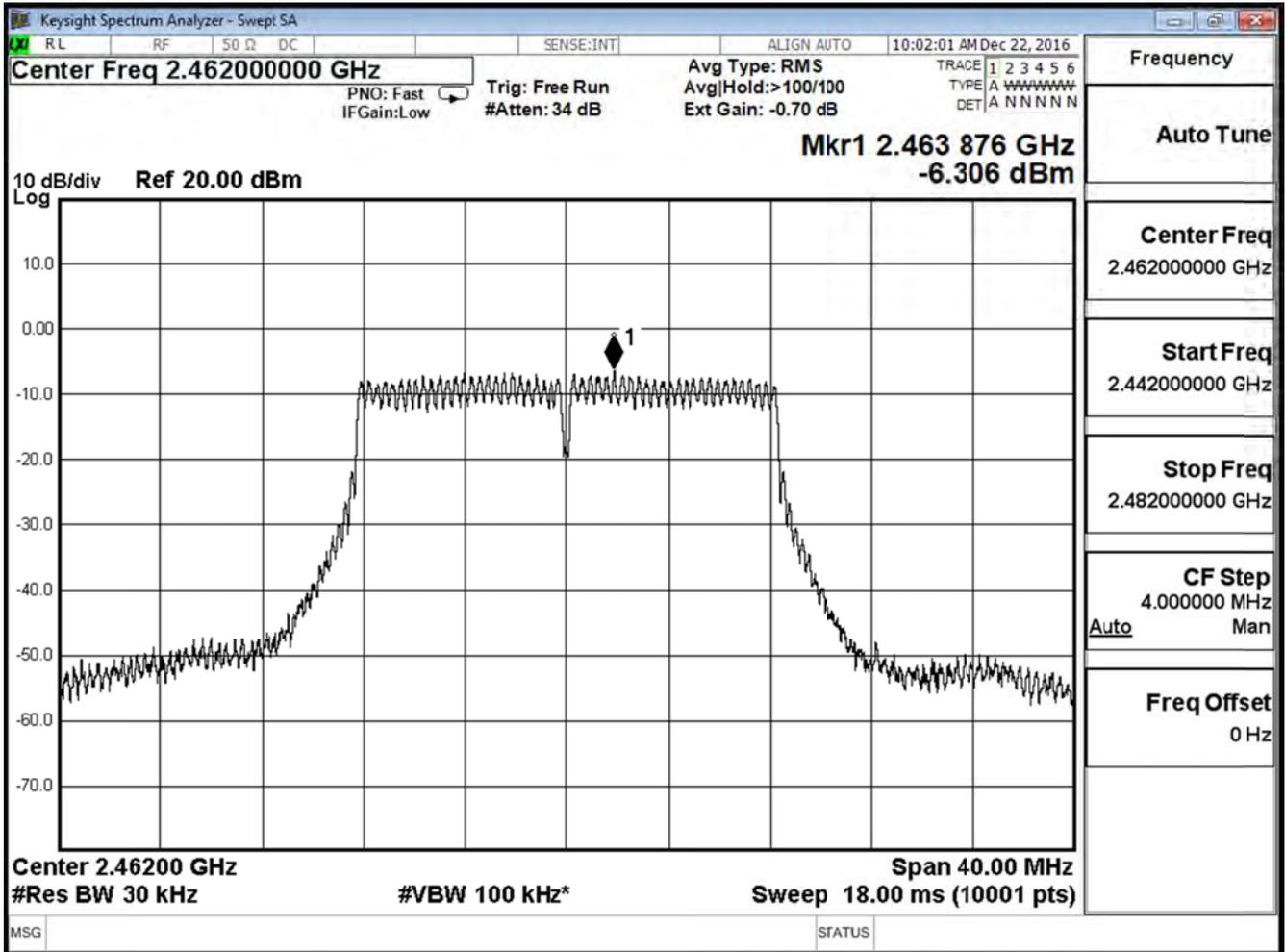
Channel 1



Channel 6



Channel 11

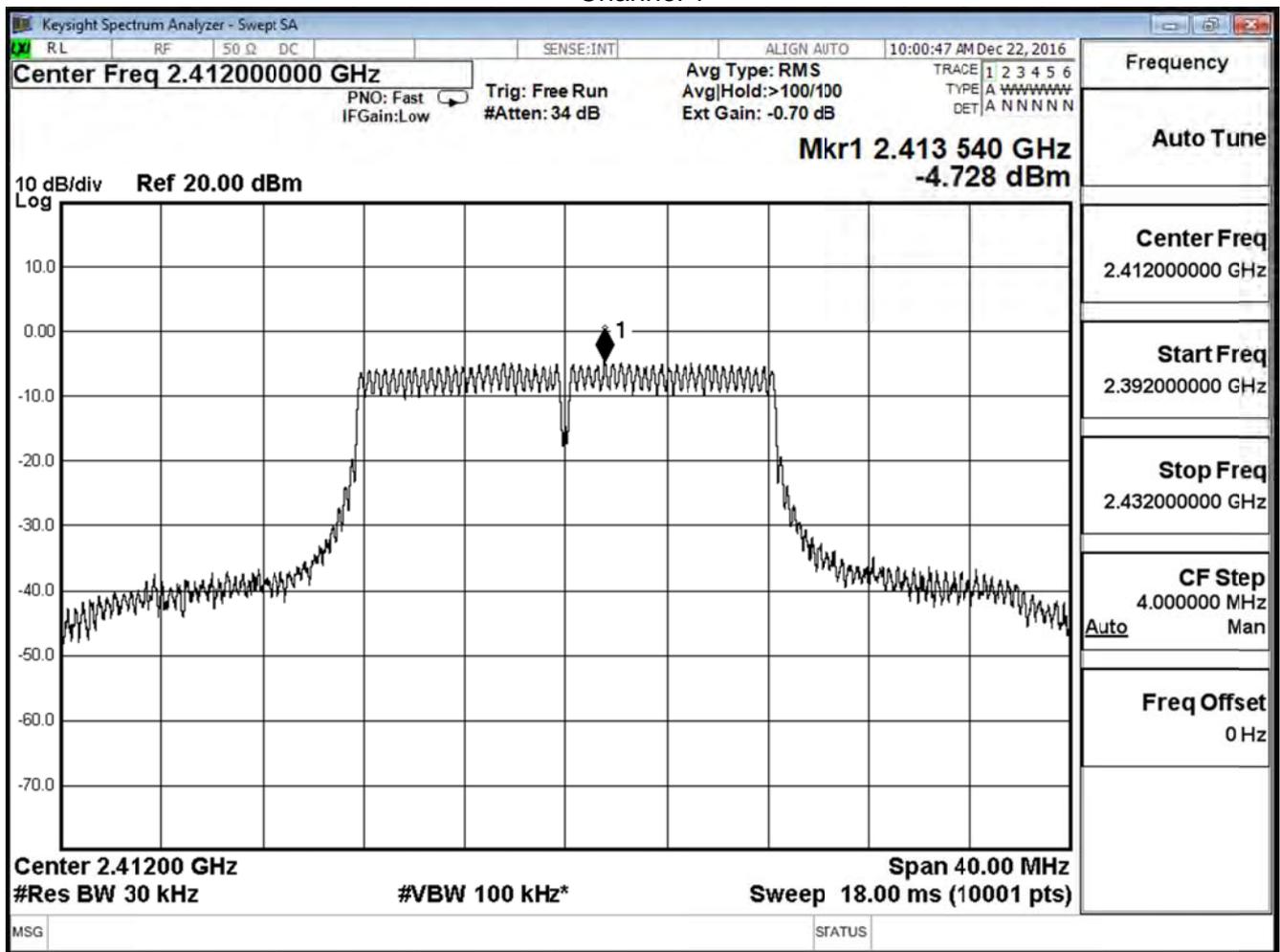


| | | | |
|--------------|------------------------------------|-----------|--------|
| Product | Lyra mini | | |
| Test Item | Power Density | | |
| Test Mode | Mode 1: Tx-AD2037320910LF-CDD Mode | | |
| Date of Test | 2016/12/22 | Test Site | SR10-H |

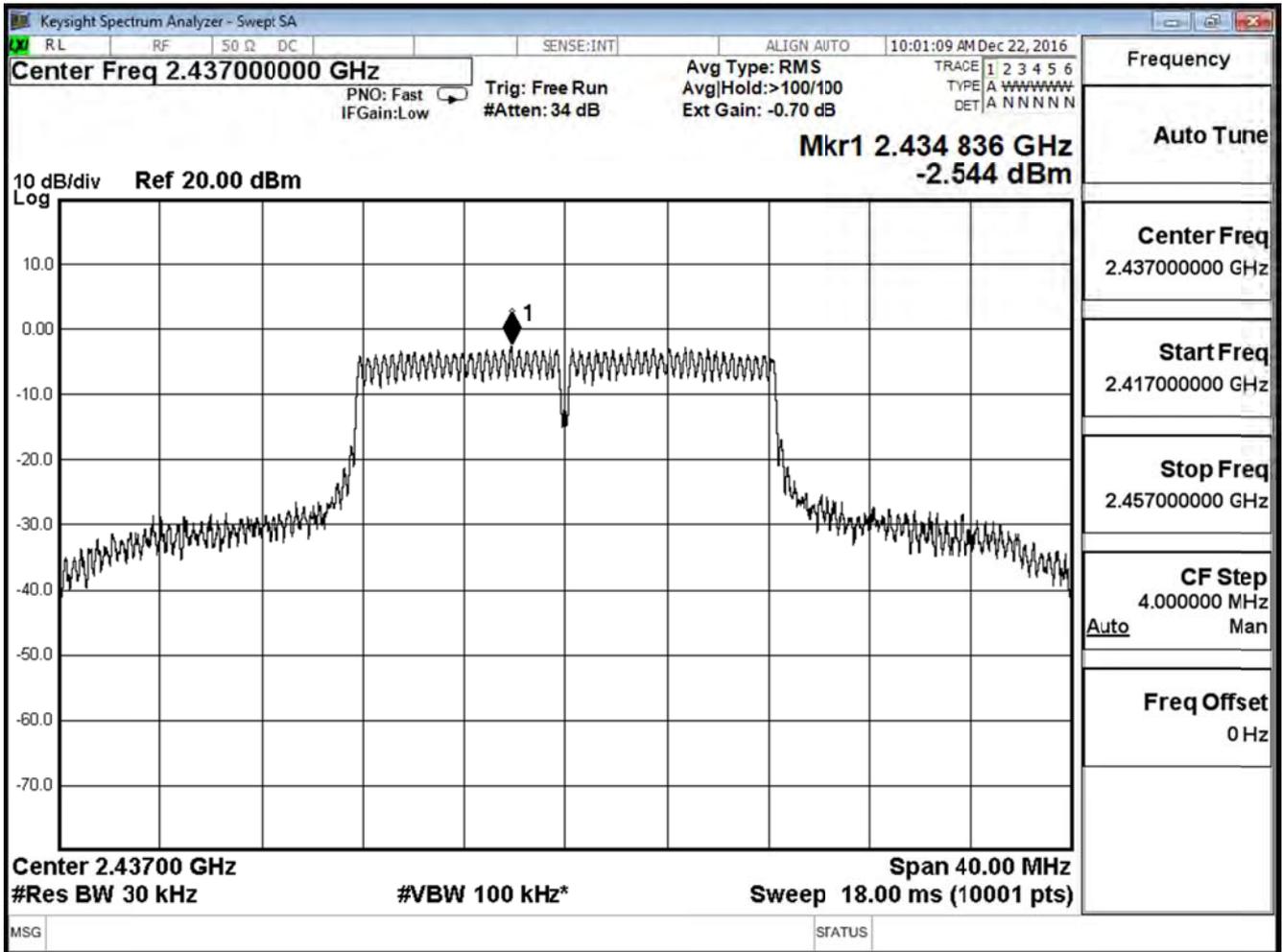
IEEE 802.11g (ANT 1)

| Channel No. | Frequency (MHz) | Measure Level (dBm) | Limit (dBm) | Result |
|-------------|-----------------|---------------------|-------------|--------|
| 1 | 2412 | -4.728 | ≤ 8 | Pass |
| 6 | 2437 | -2.544 | ≤ 8 | Pass |
| 11 | 2462 | -6.856 | ≤ 8 | Pass |

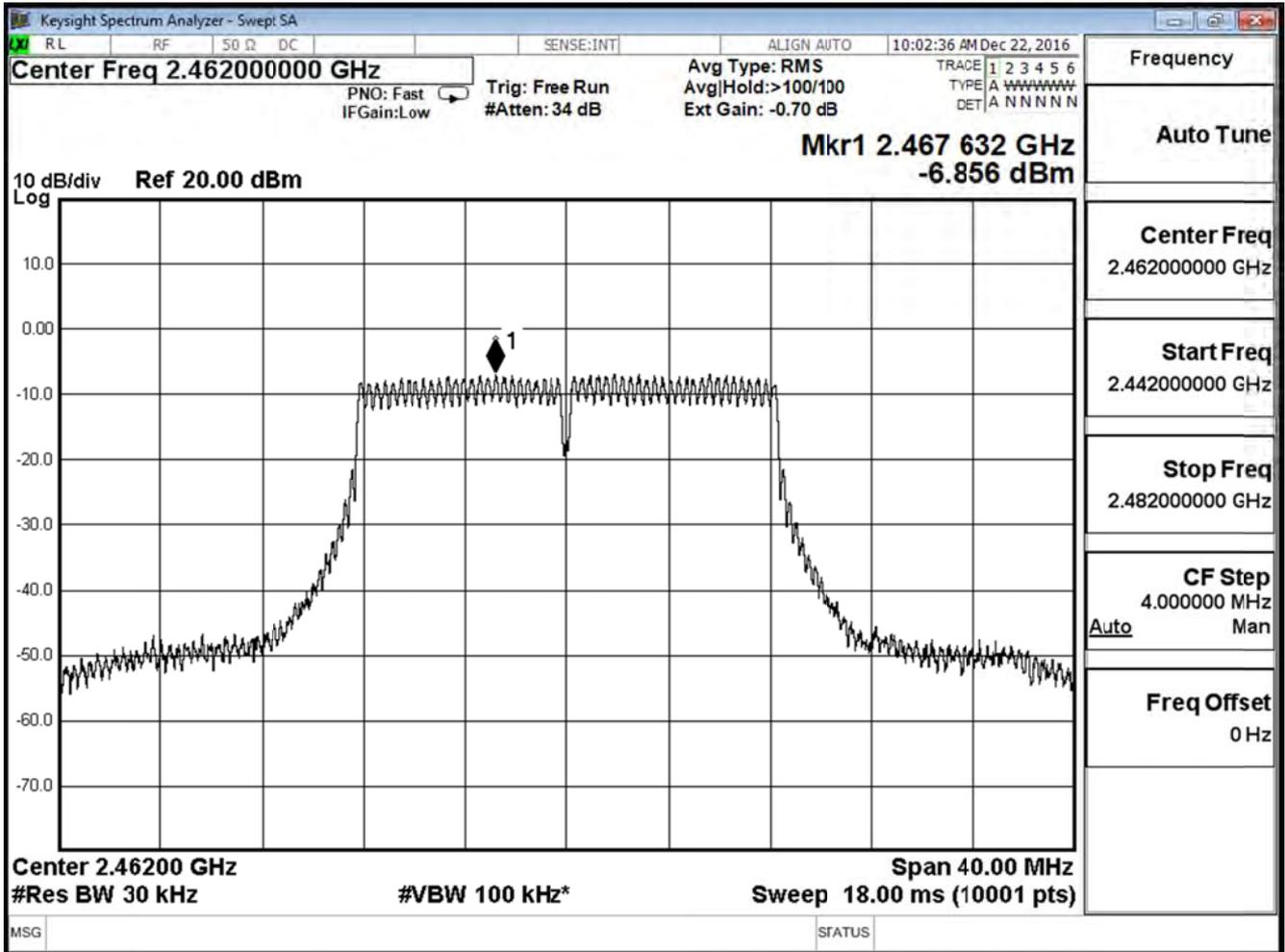
Channel 1



Channel 6



Channel 11



| | | | |
|--------------|------------------------------------|-----------|--------|
| Product | Lyra mini | | |
| Test Item | Power Density | | |
| Test Mode | Mode 1: Tx-AD2037320910LF-CDD Mode | | |
| Date of Test | 2016/12/22 | Test Site | SR10-H |

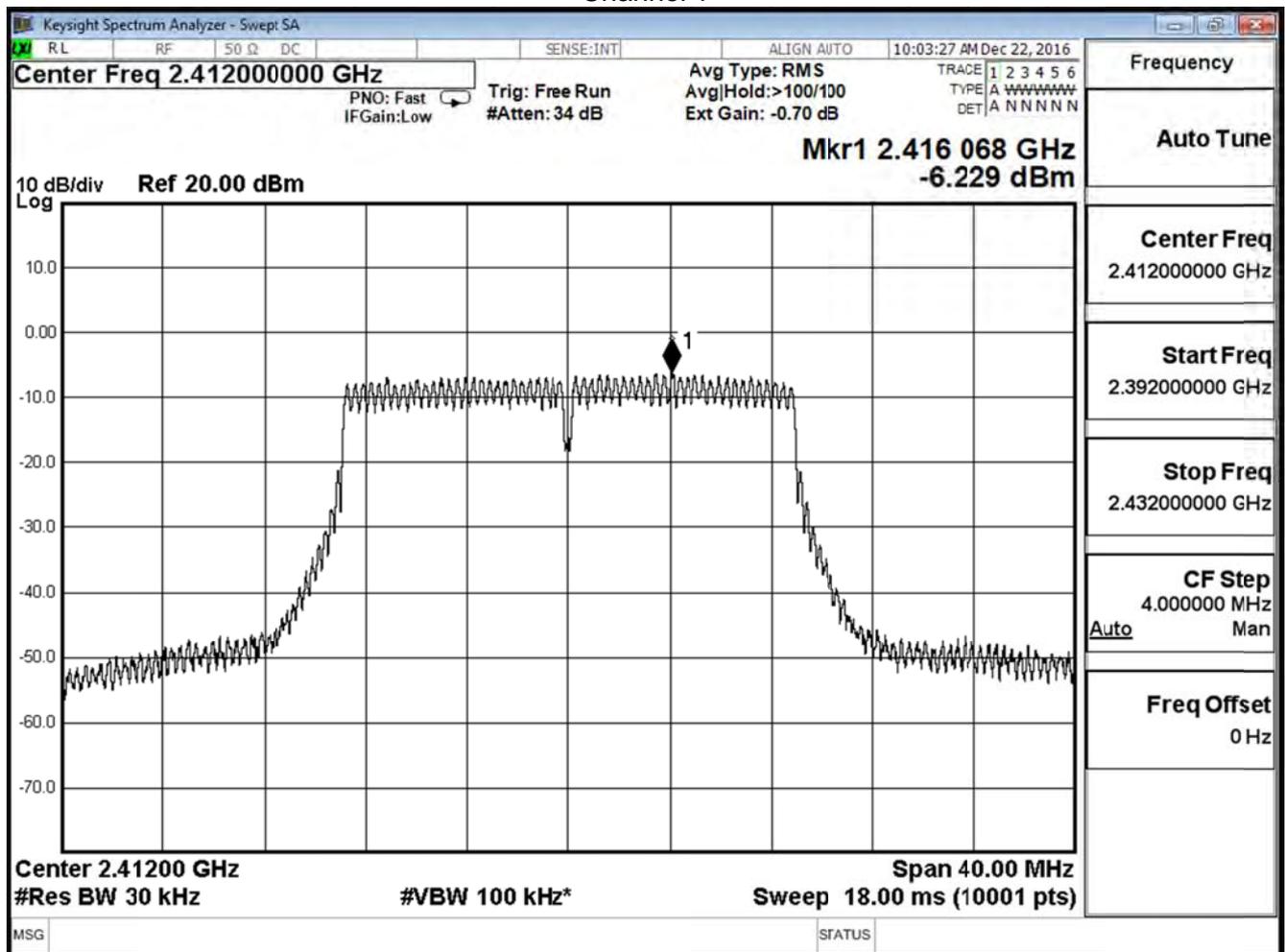
| IEEE 802.11g (ANT 0+1) | | | | |
|------------------------|-----------------|---------------------|-------------|--------|
| Channel No. | Frequency (MHz) | Measure Level (dBm) | Limit (dBm) | Result |
| 1 | 2412 | -1.751 | ≤ 8 | Pass |
| 6 | 2437 | 0.381 | ≤ 8 | Pass |
| 11 | 2462 | -3.562 | ≤ 8 | Pass |

| | | | |
|--------------|------------------------------------|-----------|--------|
| Product | Lyra mini | | |
| Test Item | Power Density | | |
| Test Mode | Mode 1: Tx-AD2037320910LF-CDD Mode | | |
| Date of Test | 2016/12/22 | Test Site | SR10-H |

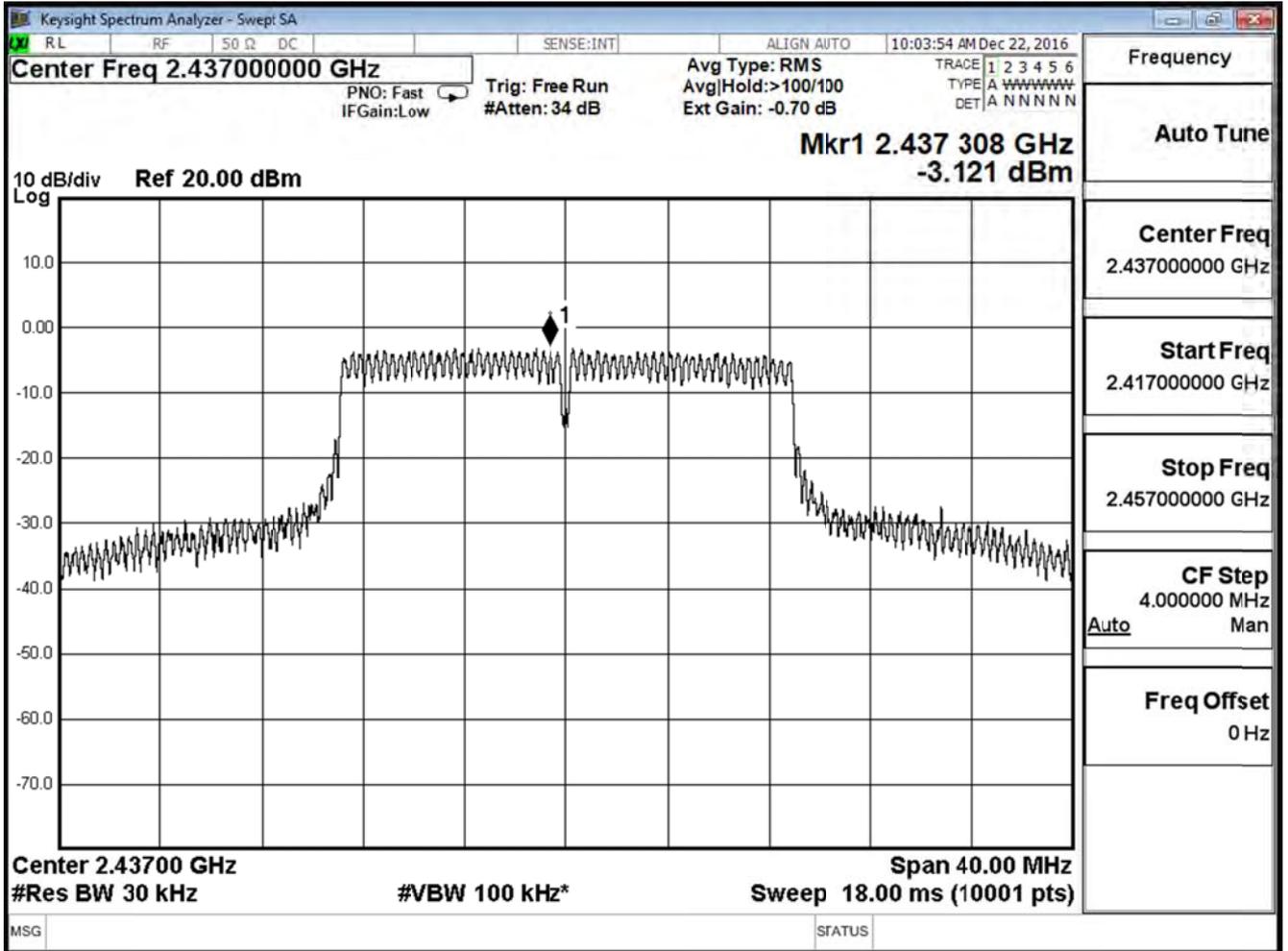
IEEE802.11n 20MHz (ANT 0)

| Channel No. | Frequency (MHz) | Measure Level (dBm) | Limit (dBm) | Result |
|-------------|-----------------|---------------------|-------------|--------|
| 1 | 2412 | -6.229 | ≤ 8 | Pass |
| 6 | 2437 | -3.121 | ≤ 8 | Pass |
| 11 | 2462 | -7.340 | ≤ 8 | Pass |

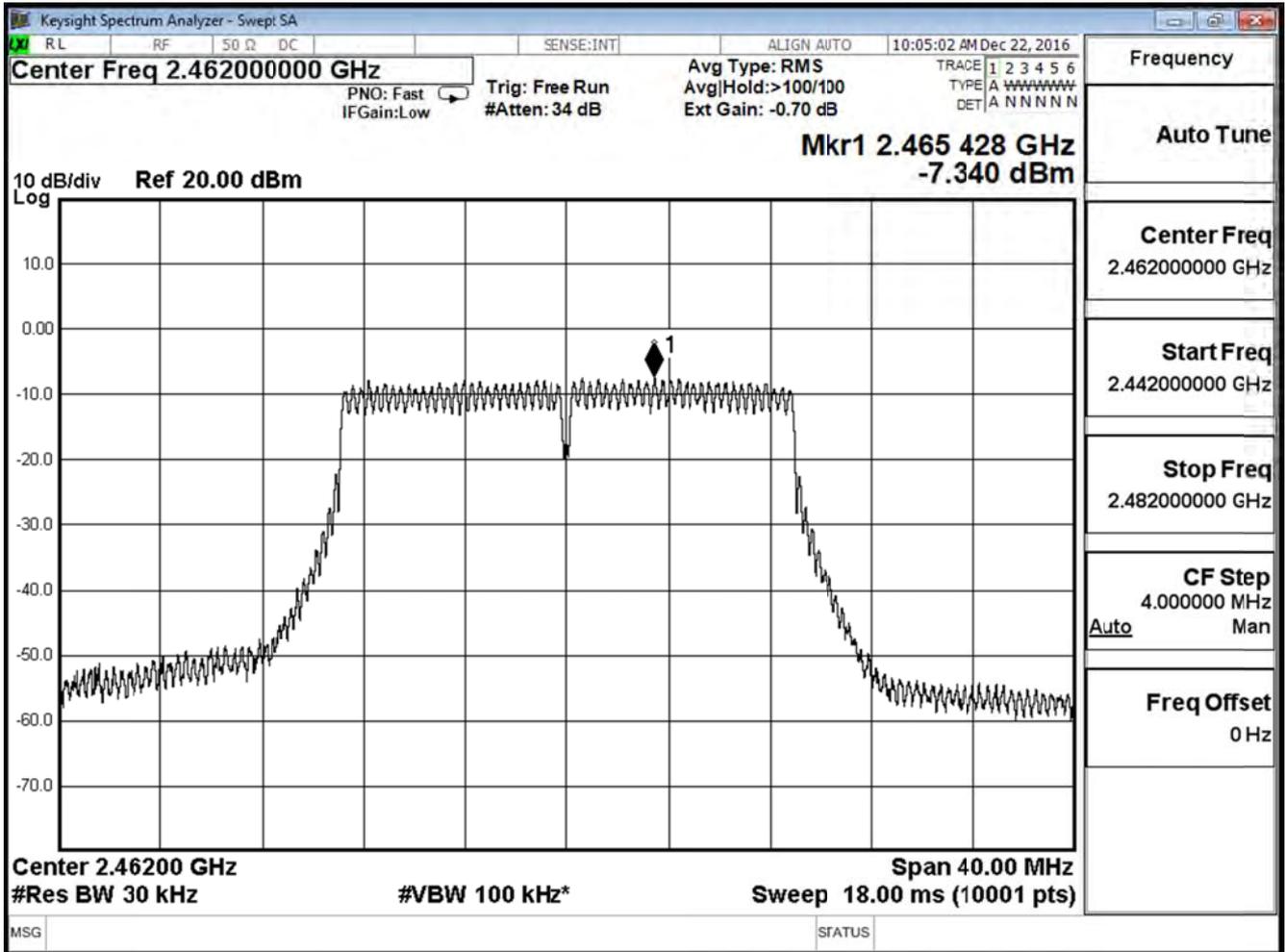
Channel 1



Channel 6



Channel 11

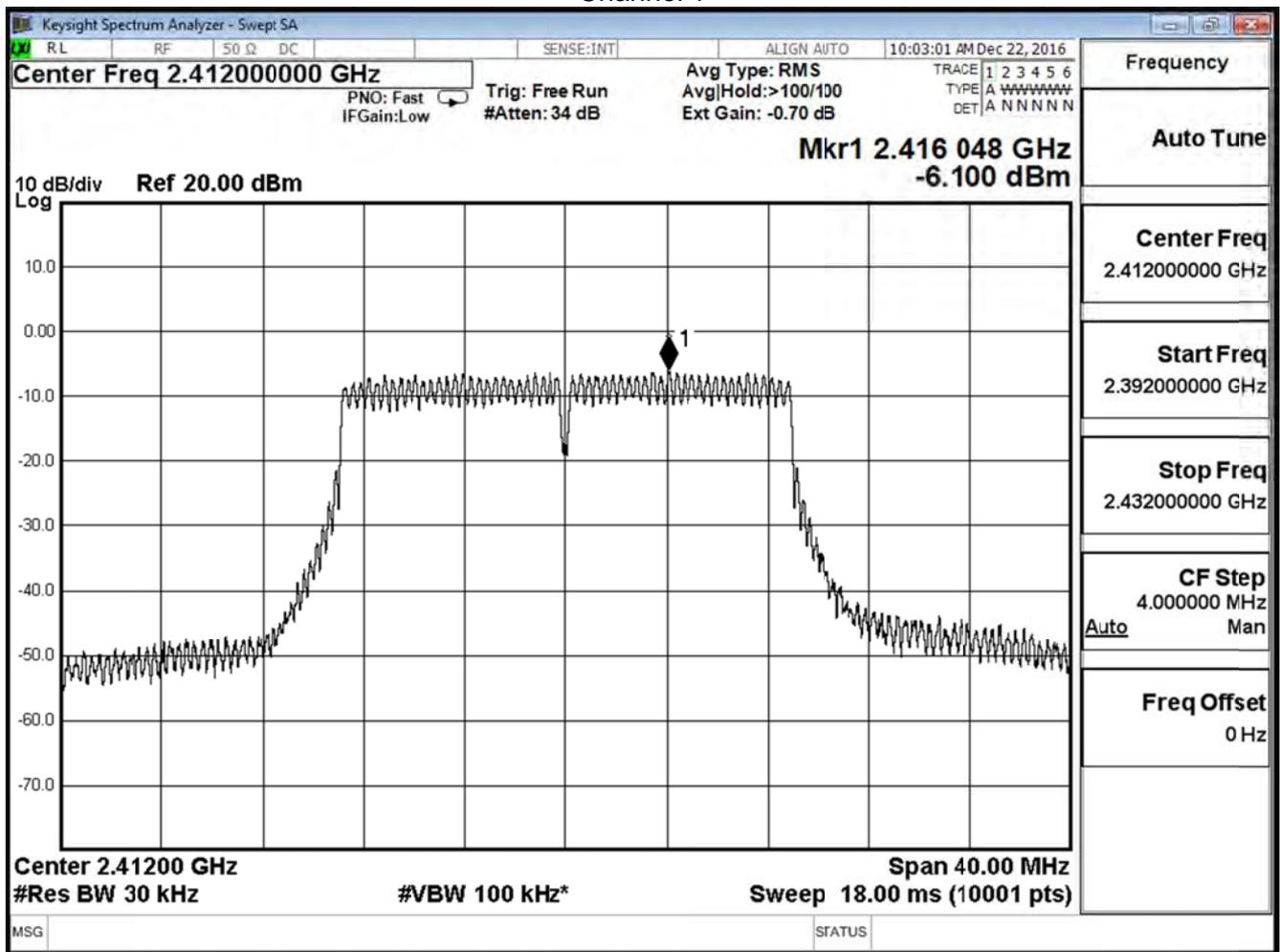


| | | | |
|--------------|------------------------------------|-----------|--------|
| Product | Lyra mini | | |
| Test Item | Power Density | | |
| Test Mode | Mode 1: Tx-AD2037320910LF-CDD Mode | | |
| Date of Test | 2016/12/22 | Test Site | SR10-H |

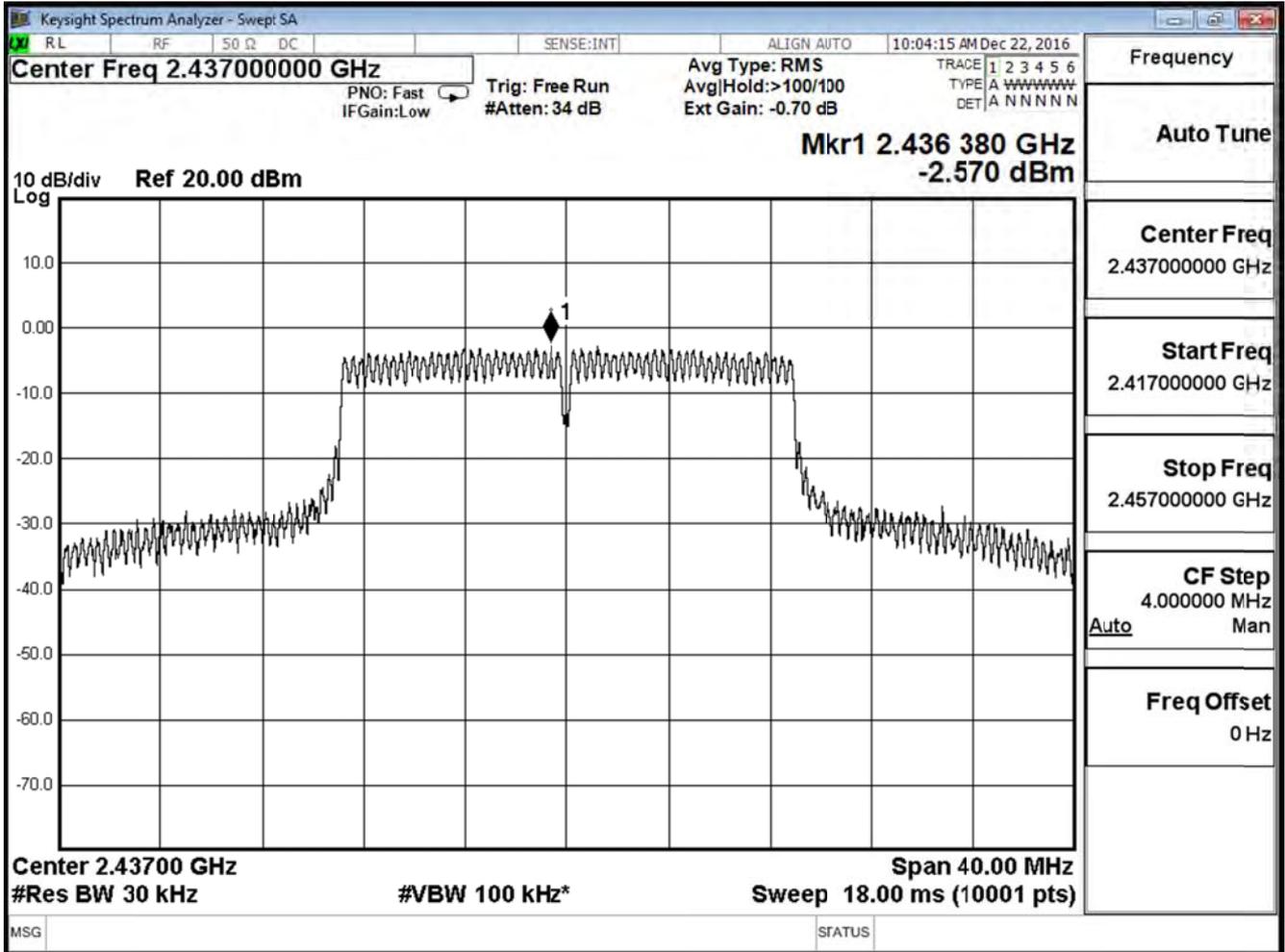
IEEE802.11n 20MHz (ANT 1)

| Channel No. | Frequency (MHz) | Measure Level (dBm) | Limit (dBm) | Result |
|-------------|-----------------|---------------------|-------------|--------|
| 1 | 2412 | -6.100 | ≤ 8 | Pass |
| 6 | 2437 | -2.570 | ≤ 8 | Pass |
| 11 | 2462 | -7.059 | ≤ 8 | Pass |

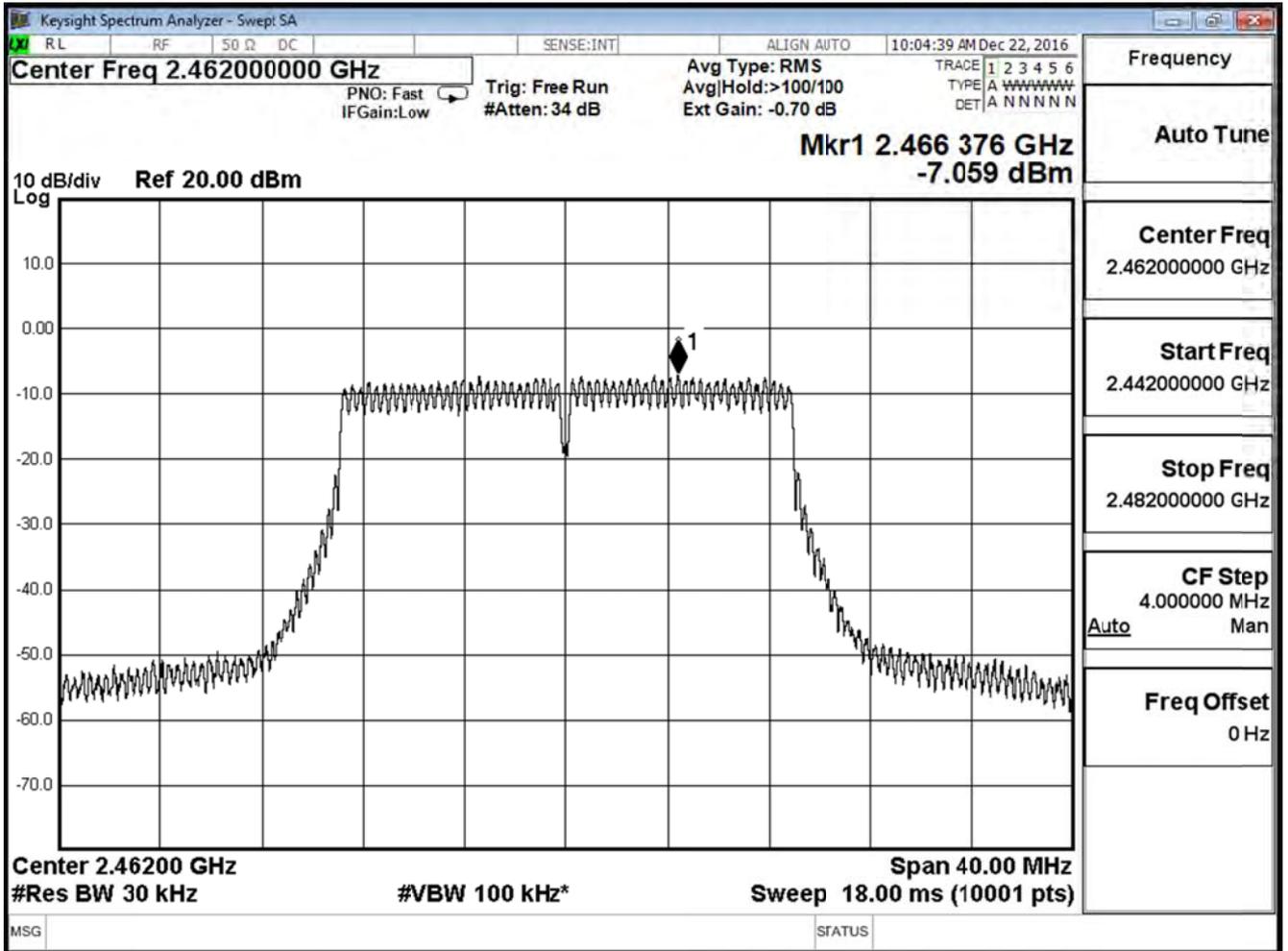
Channel 1



Channel 6



Channel 11



| | | | |
|--------------|------------------------------------|-----------|--------|
| Product | Lyra mini | | |
| Test Item | Power Density | | |
| Test Mode | Mode 1: Tx-AD2037320910LF-CDD Mode | | |
| Date of Test | 2016/12/22 | Test Site | SR10-H |

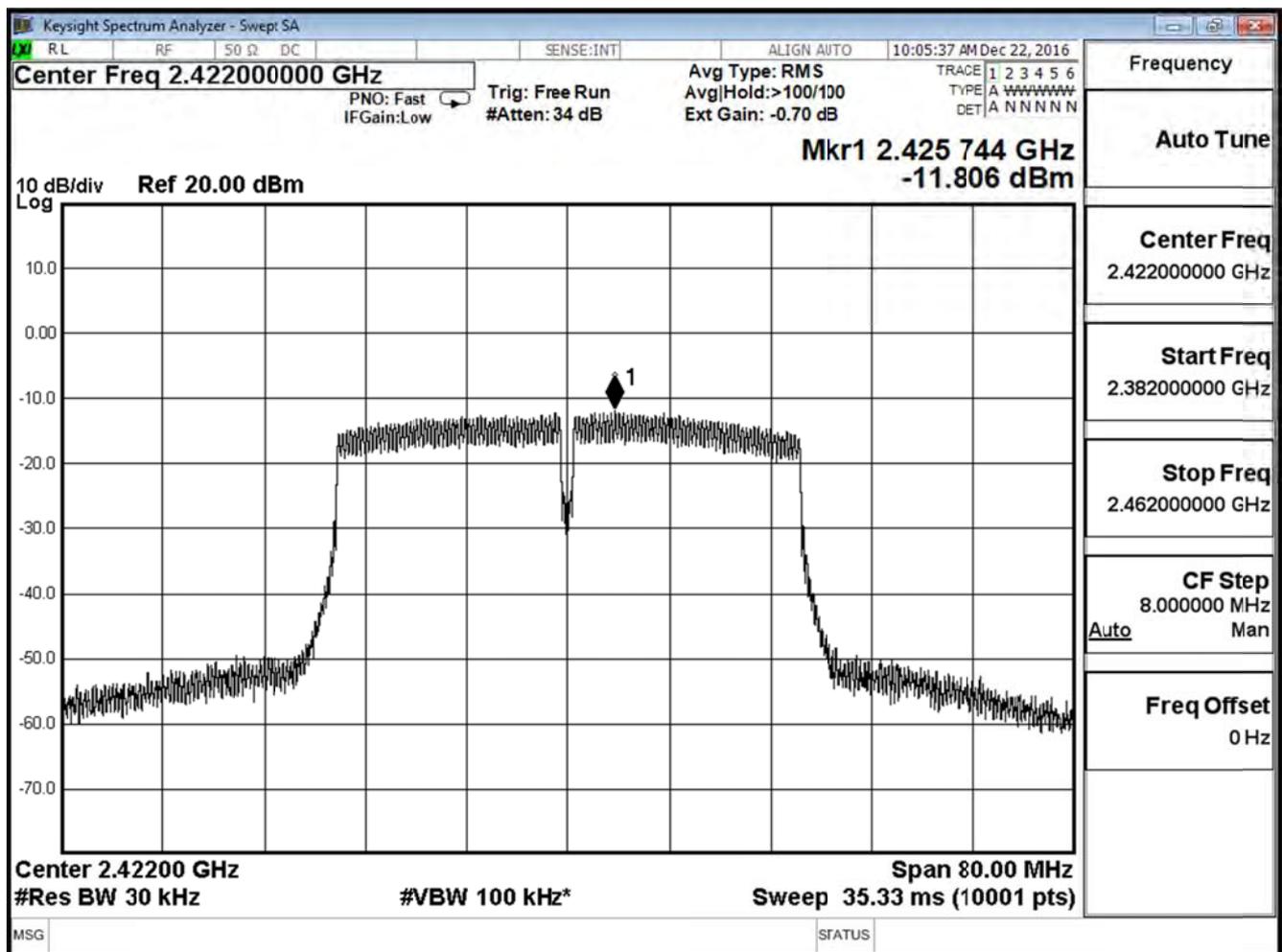
| IEEE802.11n 20MHz (ANT 0+1) | | | | |
|-----------------------------|-----------------|---------------------|-------------|--------|
| Channel No. | Frequency (MHz) | Measure Level (dBm) | Limit (dBm) | Result |
| 1 | 2412 | -3.154 | ≤ 8 | Pass |
| 6 | 2437 | 0.174 | ≤ 8 | Pass |
| 11 | 2462 | -4.187 | ≤ 8 | Pass |

| | | | |
|--------------|------------------------------------|-----------|--------|
| Product | Lyra mini | | |
| Test Item | Power Density | | |
| Test Mode | Mode 1: Tx-AD2037320910LF-CDD Mode | | |
| Date of Test | 2016/12/22 | Test Site | SR10-H |

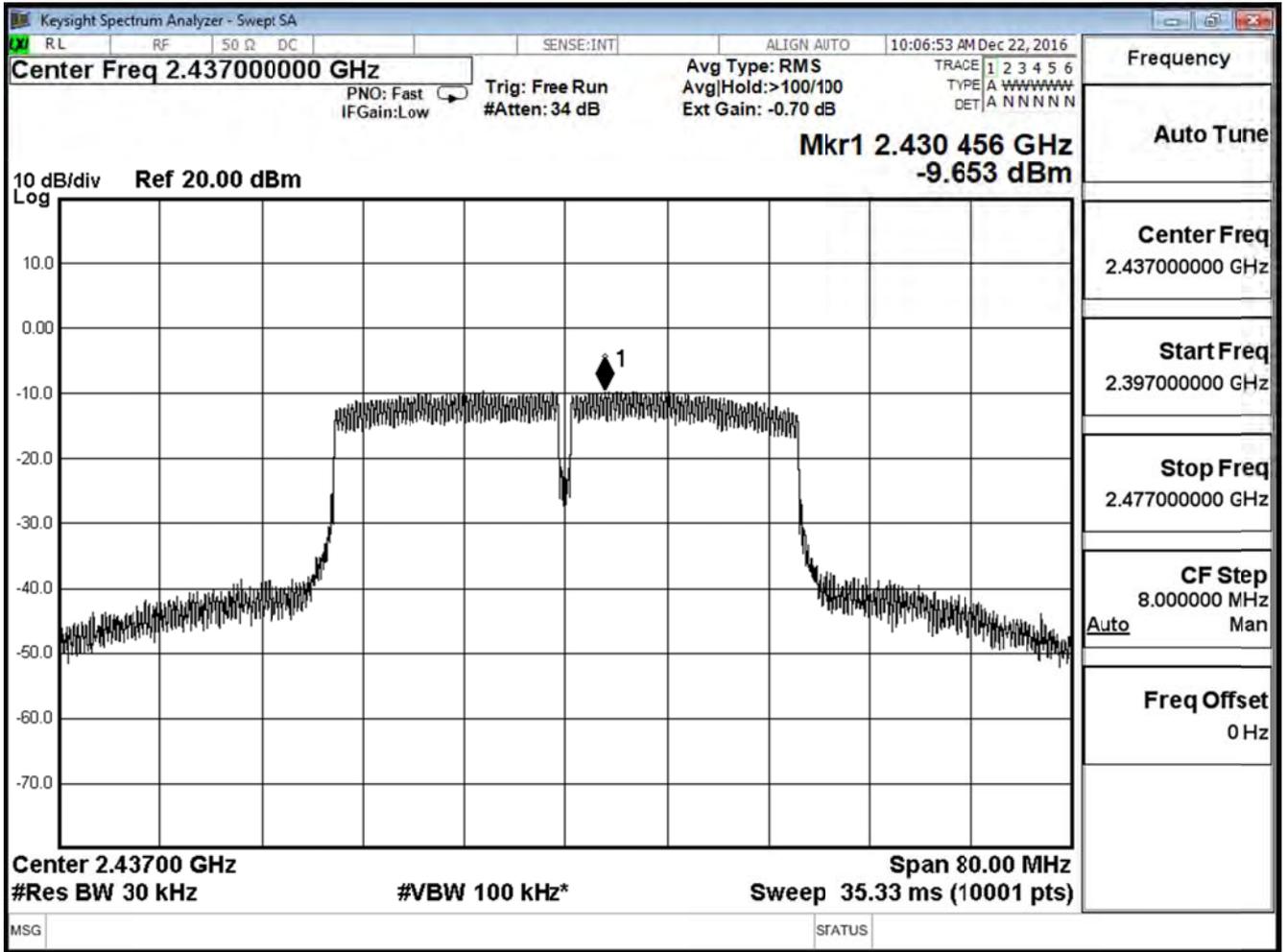
IEEE802.11n 40MHz (ANT 0)

| Channel No. | Frequency (MHz) | Measure Level (dBm) | Limit (dBm) | Result |
|-------------|-----------------|---------------------|-------------|--------|
| 3 | 2422 | -11.806 | ≤ 8 | Pass |
| 6 | 2437 | -9.653 | ≤ 8 | Pass |
| 9 | 2452 | -13.322 | ≤ 8 | Pass |

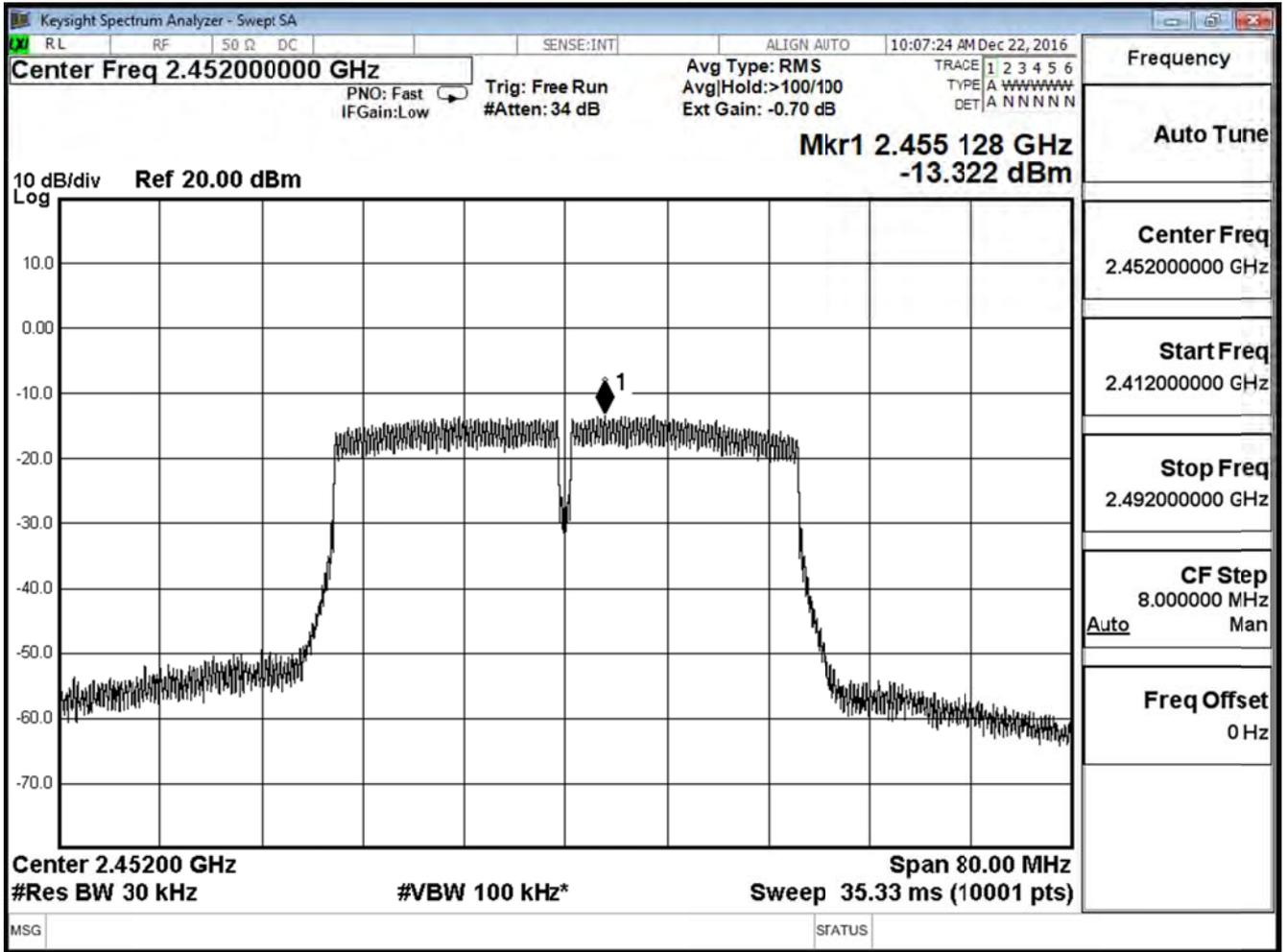
Channel 3



Channel 6



Channel 9

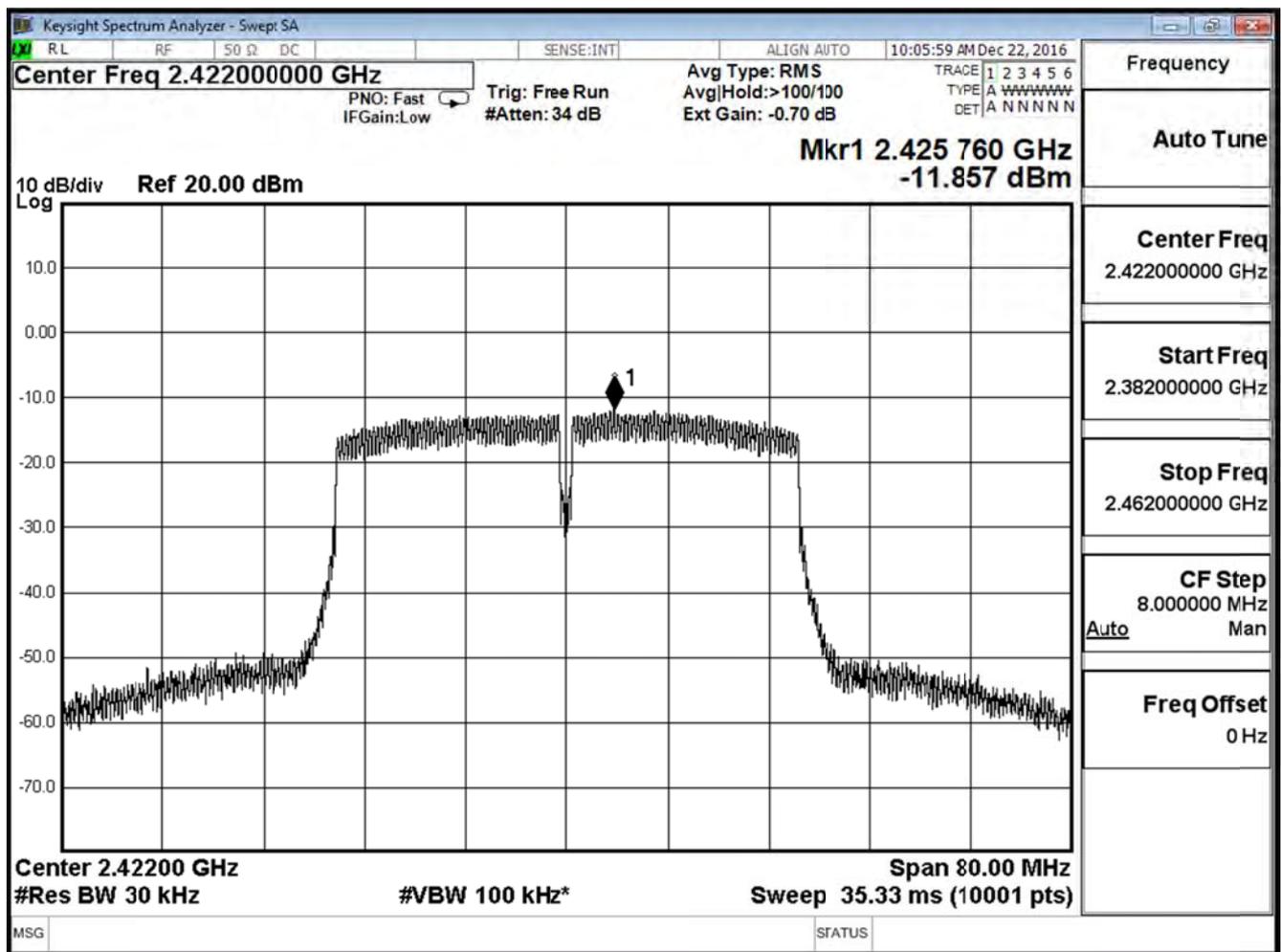


| | | | |
|--------------|------------------------------------|-----------|--------|
| Product | Lyra mini | | |
| Test Item | Power Density | | |
| Test Mode | Mode 1: Tx-AD2037320910LF-CDD Mode | | |
| Date of Test | 2016/12/22 | Test Site | SR10-H |

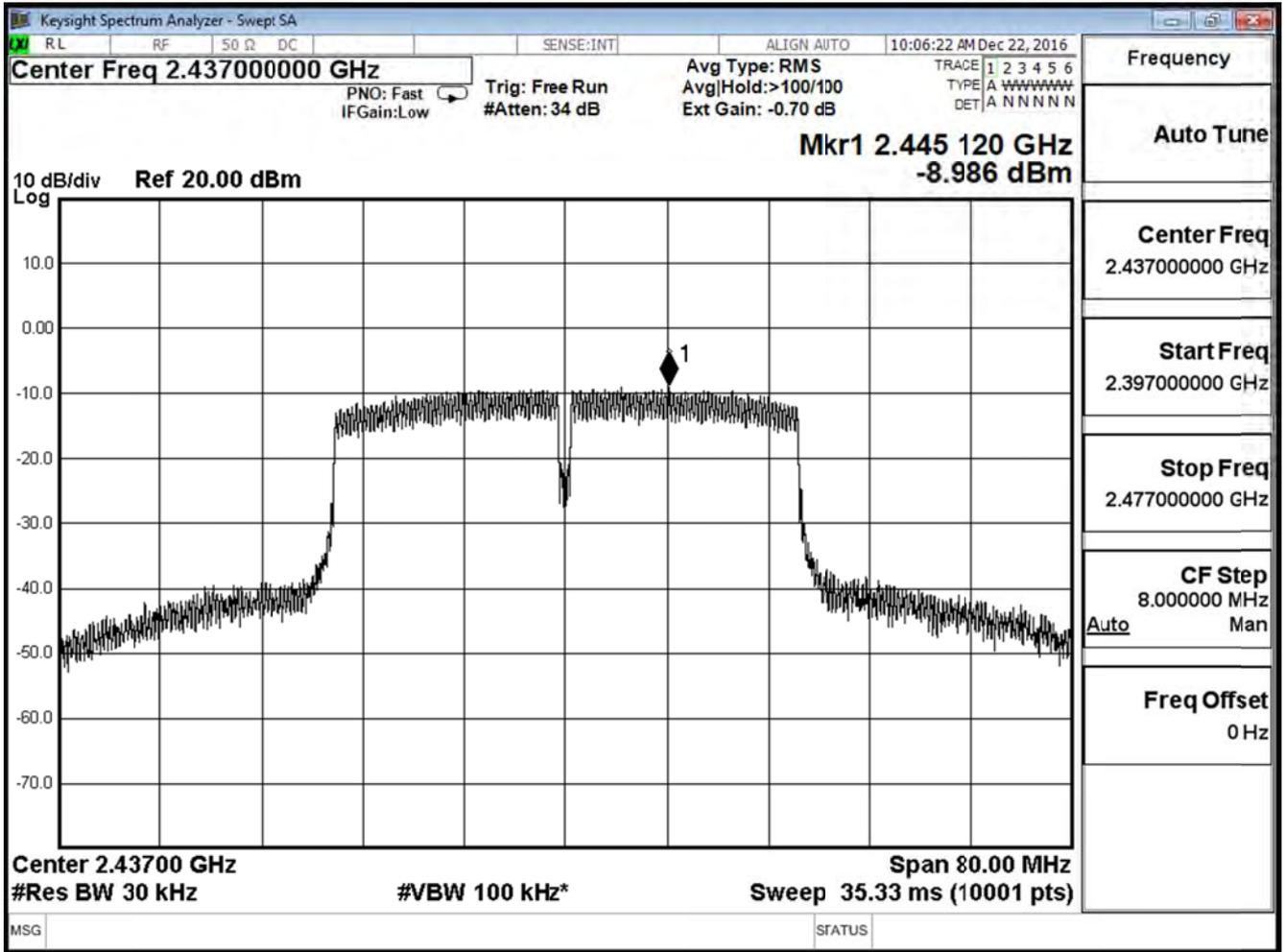
IEEE802.11n 40MHz (ANT 1)

| Channel No. | Frequency (MHz) | Measure Level (dBm) | Limit (dBm) | Result |
|-------------|-----------------|---------------------|-------------|--------|
| 3 | 2422 | -11.857 | ≤ 8 | Pass |
| 6 | 2437 | -8.986 | ≤ 8 | Pass |
| 9 | 2452 | -13.136 | ≤ 8 | Pass |

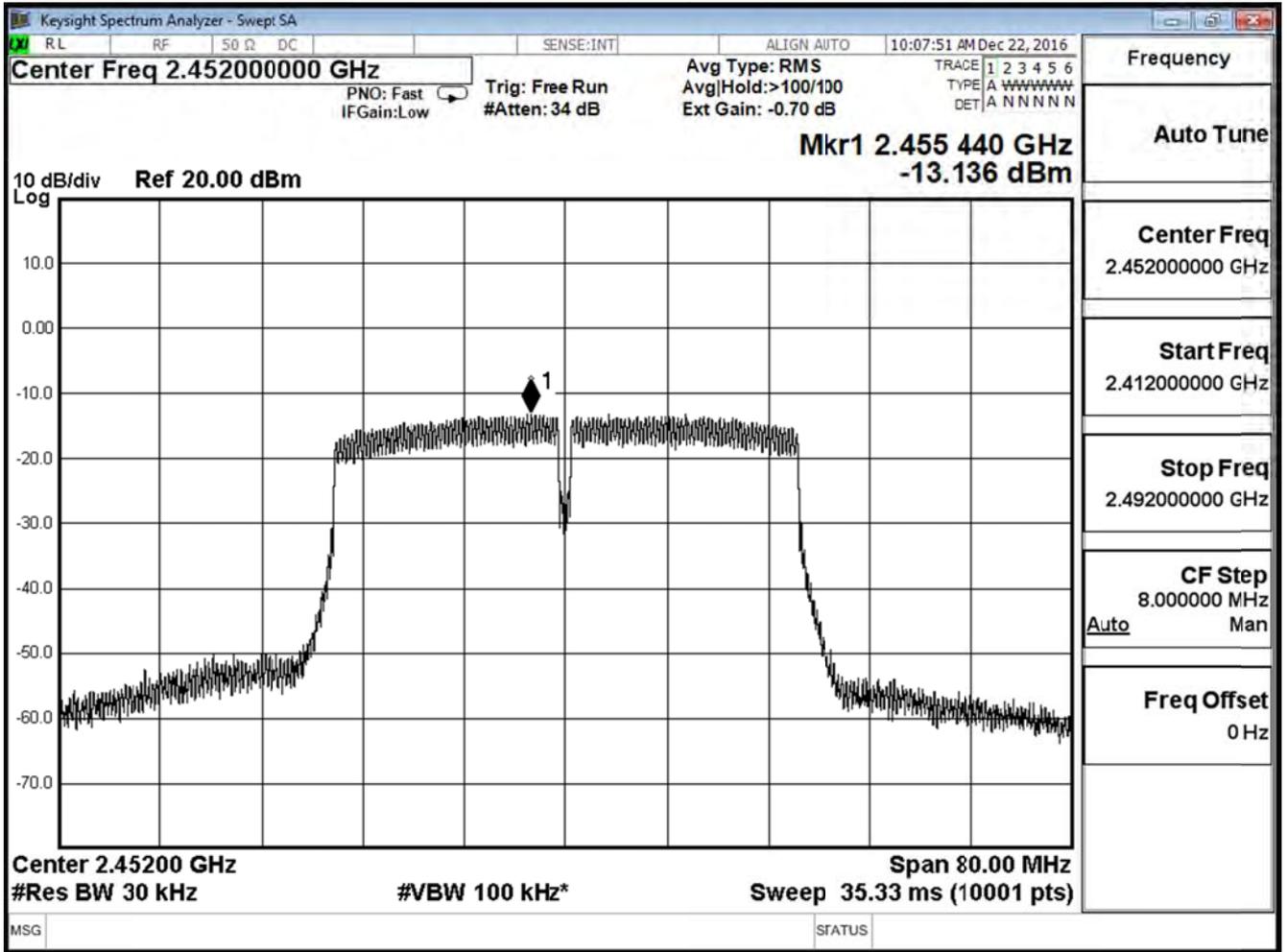
Channel 3



Channel 6



Channel 9



| | | | |
|--------------|------------------------------------|-----------|--------|
| Product | Lyra mini | | |
| Test Item | Power Density | | |
| Test Mode | Mode 1: Tx-AD2037320910LF-CDD Mode | | |
| Date of Test | 2016/12/22 | Test Site | SR10-H |

| IEEE802.11n 40MHz (ANT 0+1) | | | | |
|-----------------------------|-----------------|---------------------|-------------|--------|
| Channel No. | Frequency (MHz) | Measure Level (dBm) | Limit (dBm) | Result |
| 3 | 2422 | -8.821 | ≤ 8 | Pass |
| 6 | 2437 | -6.296 | ≤ 8 | Pass |
| 9 | 2452 | -10.218 | ≤ 8 | Pass |

| | | | |
|--------------|-----------------------------------|-----------|--------|
| Product | Lyra mini | | |
| Test Item | Power Density | | |
| Test Mode | Mode 3: Tx-AD2037320910LF-BF Mode | | |
| Date of Test | 2017/01/15 | Test Site | SR10-H |

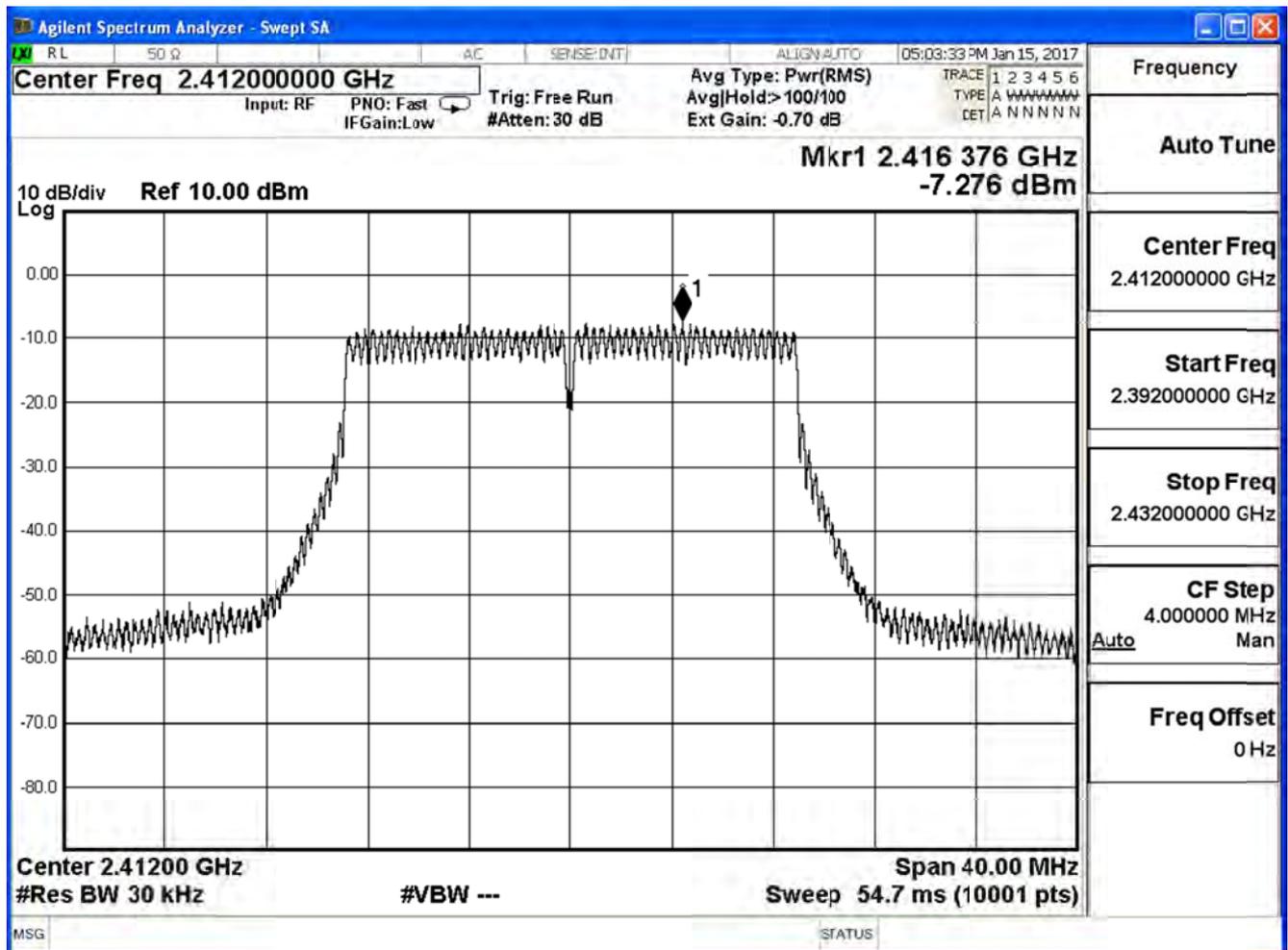
| IEEE802.11n 20MHz (ANT 0) | | | | |
|---------------------------|-----------------|---------------------|-------------|--------|
| Channel No. | Frequency (MHz) | Measure Level (dBm) | Limit (dBm) | Result |
| 1 | 2412 | -7.276 | ≤ 6.8 | Pass |
| 6 | 2437 | -2.619 | ≤ 6.8 | Pass |
| 11 | 2462 | -8.879 | ≤ 6.8 | Pass |

Note:

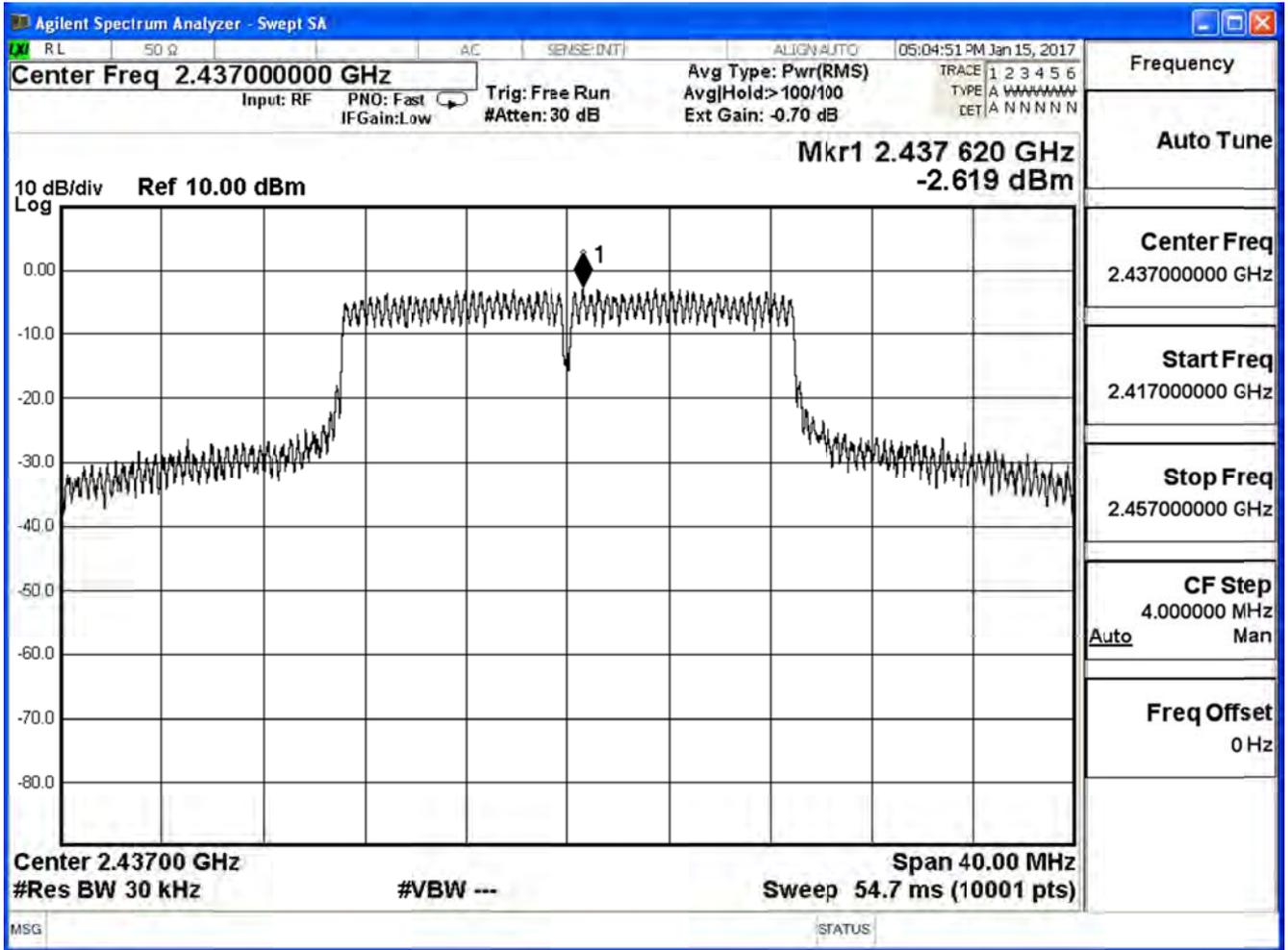
Directional Antenna=10log(N)+Max Gain+ Beamforming Gain=7.2dBi

Required Limit=8Bm-(7.2dBi-6dB)=6.8 dBm

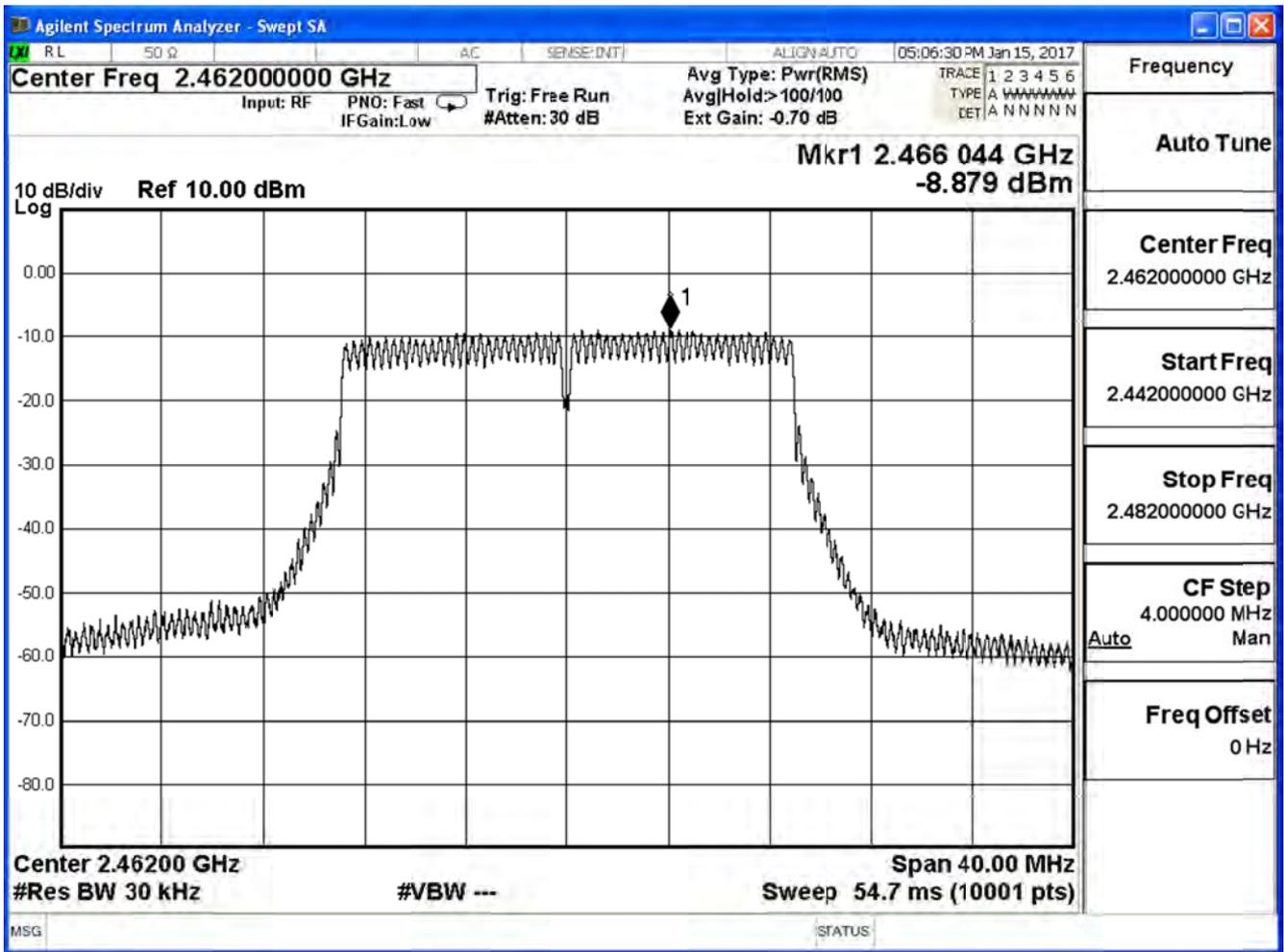
Channel 1



Channel 6



Channel 11



| | | | |
|--------------|-----------------------------------|-----------|--------|
| Product | Lyra mini | | |
| Test Item | Power Density | | |
| Test Mode | Mode 3: Tx-AD2037320910LF-BF Mode | | |
| Date of Test | 2017/01/15 | Test Site | SR10-H |

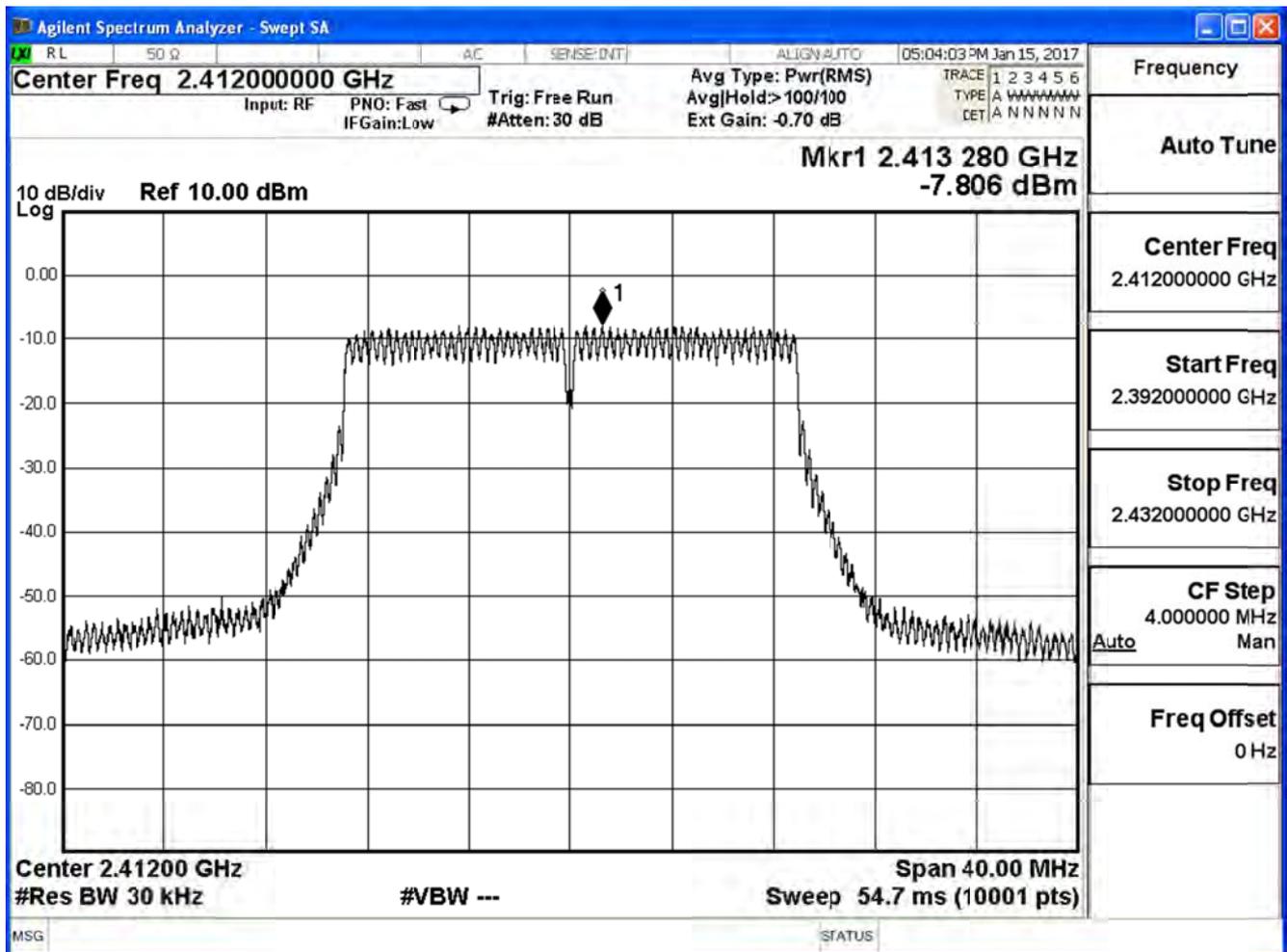
| IEEE802.11n 20MHz (ANT 1) | | | | |
|---------------------------|-----------------|---------------------|-------------|--------|
| Channel No. | Frequency (MHz) | Measure Level (dBm) | Limit (dBm) | Result |
| 1 | 2412 | -7.806 | ≤ 6.8 | Pass |
| 6 | 2437 | -2.913 | ≤ 6.8 | Pass |
| 11 | 2462 | -8.678 | ≤ 6.8 | Pass |

Note:

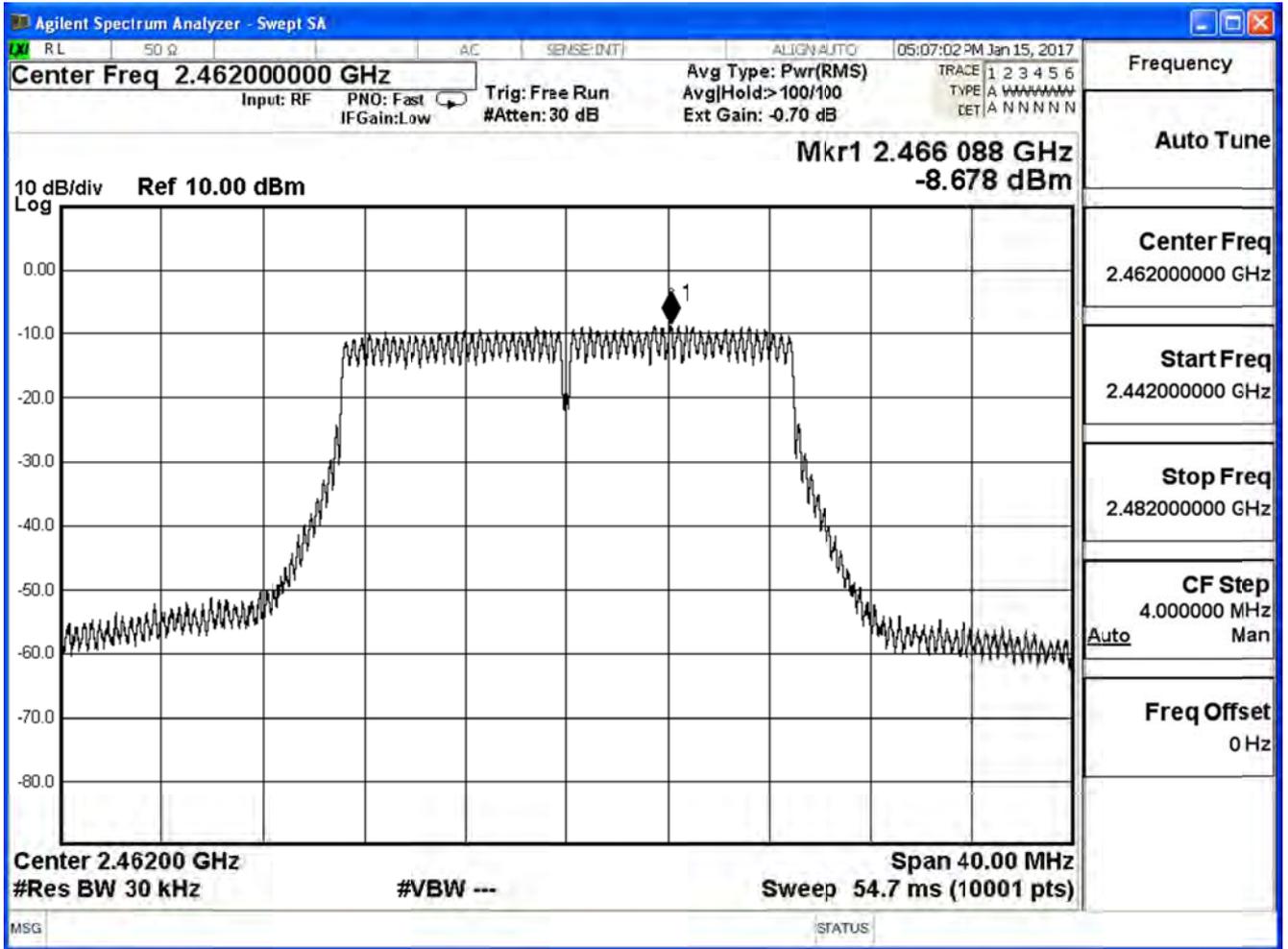
Directional Antenna=10log(N)+Max Gain+ Beamforming Gain=7.2dBi

Required Limit=8Bm-(7.2dBi-6dB)=6.8 dBm

Channel 1



Channel 11



| | | | |
|--------------|-----------------------------------|-----------|--------|
| Product | Lyra mini | | |
| Test Item | Power Density | | |
| Test Mode | Mode 3: Tx-AD2037320910LF-BF Mode | | |
| Date of Test | 2017/01/15 | Test Site | SR10-H |

| IEEE802.11n 20MHz (ANT 0+1) | | | | |
|-----------------------------|-----------------|---------------------|-------------|--------|
| Channel No. | Frequency (MHz) | Measure Level (dBm) | Limit (dBm) | Result |
| 1 | 2412 | -4.523 | ≤ 6.8 | Pass |
| 6 | 2437 | 0.247 | ≤ 6.8 | Pass |
| 11 | 2462 | -5.768 | ≤ 6.8 | Pass |

Note:

Directional Antenna= $10\log(N)+\text{Max Gain}+\text{Beamforming Gain}=7.2\text{dBi}$

Required Limit= $8\text{Bm}-(7.2\text{dBi}-6\text{dB})=6.8\text{ dBm}$

| | | | |
|--------------|-----------------------------------|-----------|--------|
| Product | Lyra mini | | |
| Test Item | Power Density | | |
| Test Mode | Mode 3: Tx-AD2037320910LF-BF Mode | | |
| Date of Test | 2017/01/15 | Test Site | SR10-H |

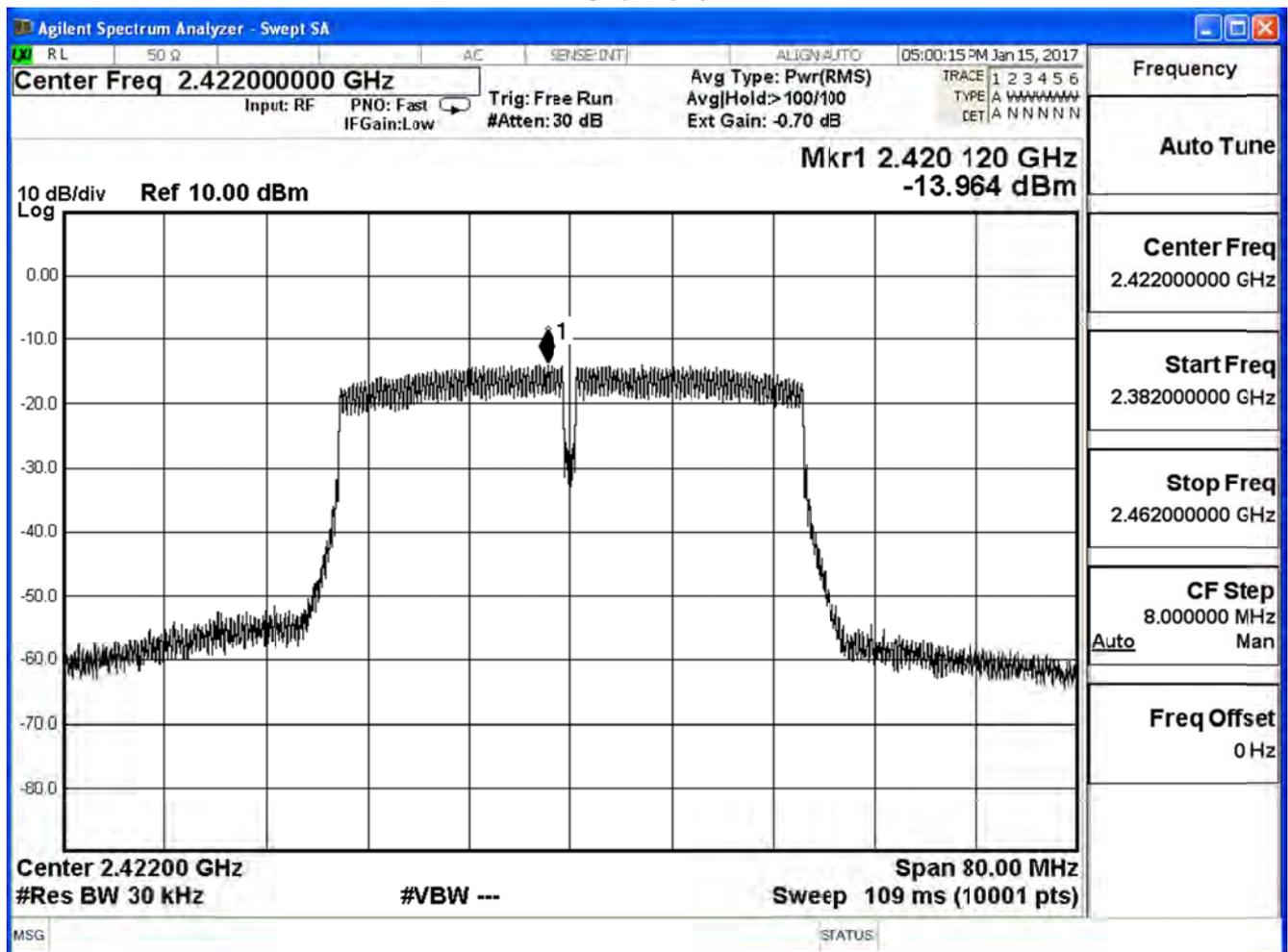
| IEEE802.11n 40MHz (ANT 0) | | | | |
|---------------------------|-----------------|---------------------|-------------|--------|
| Channel No. | Frequency (MHz) | Measure Level (dBm) | Limit (dBm) | Result |
| 3 | 2422 | -13.964 | ≤ 6.8 | Pass |
| 6 | 2437 | -10.884 | ≤ 6.8 | Pass |
| 9 | 2452 | -13.773 | ≤ 6.8 | Pass |

Note:

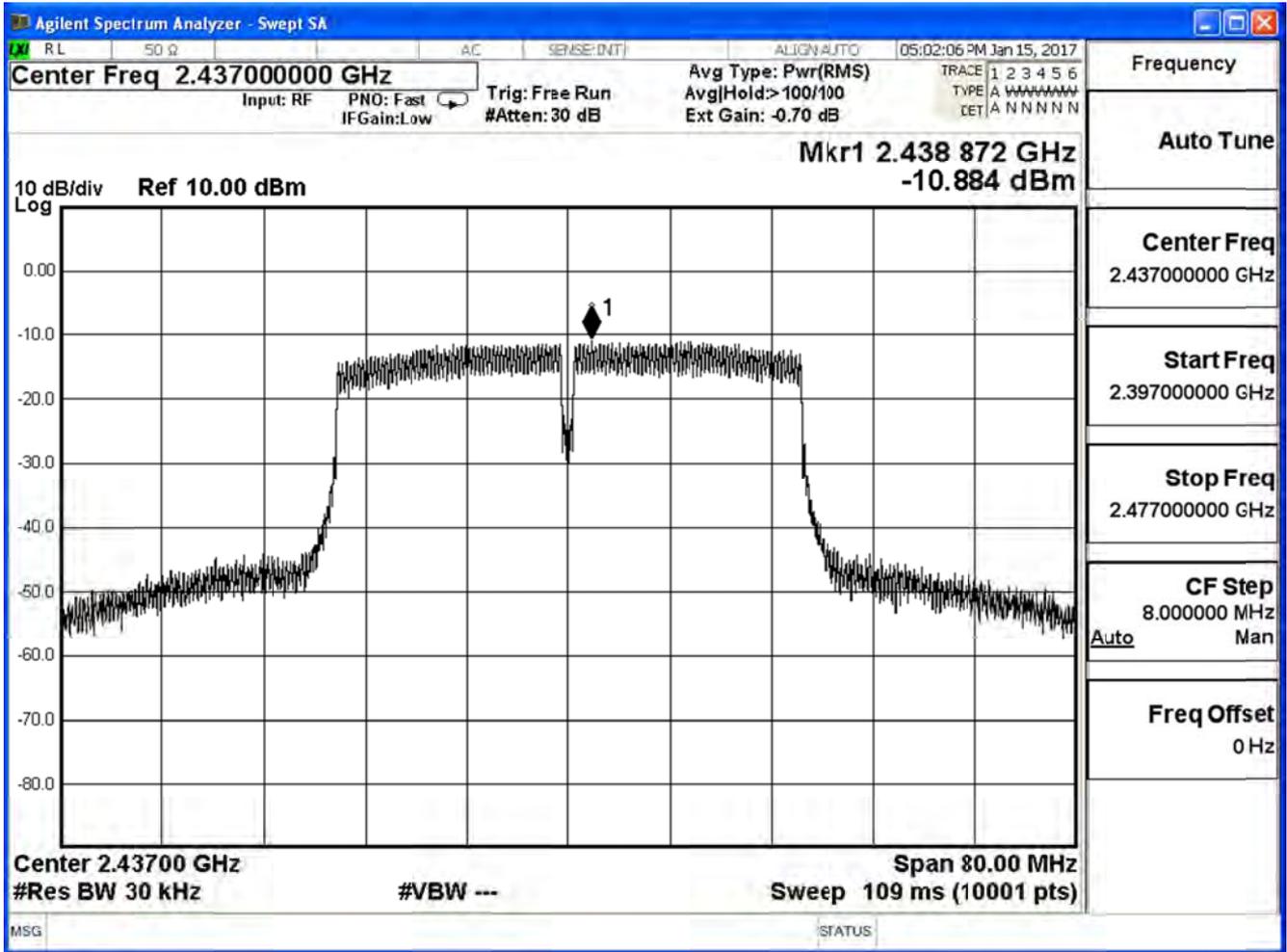
Directional Antenna=10log(N)+Max Gain+ Beamforming Gain=7.2dBi

Required Limit=8Bm-(7.2dBi-6dB)=6.8 dBm

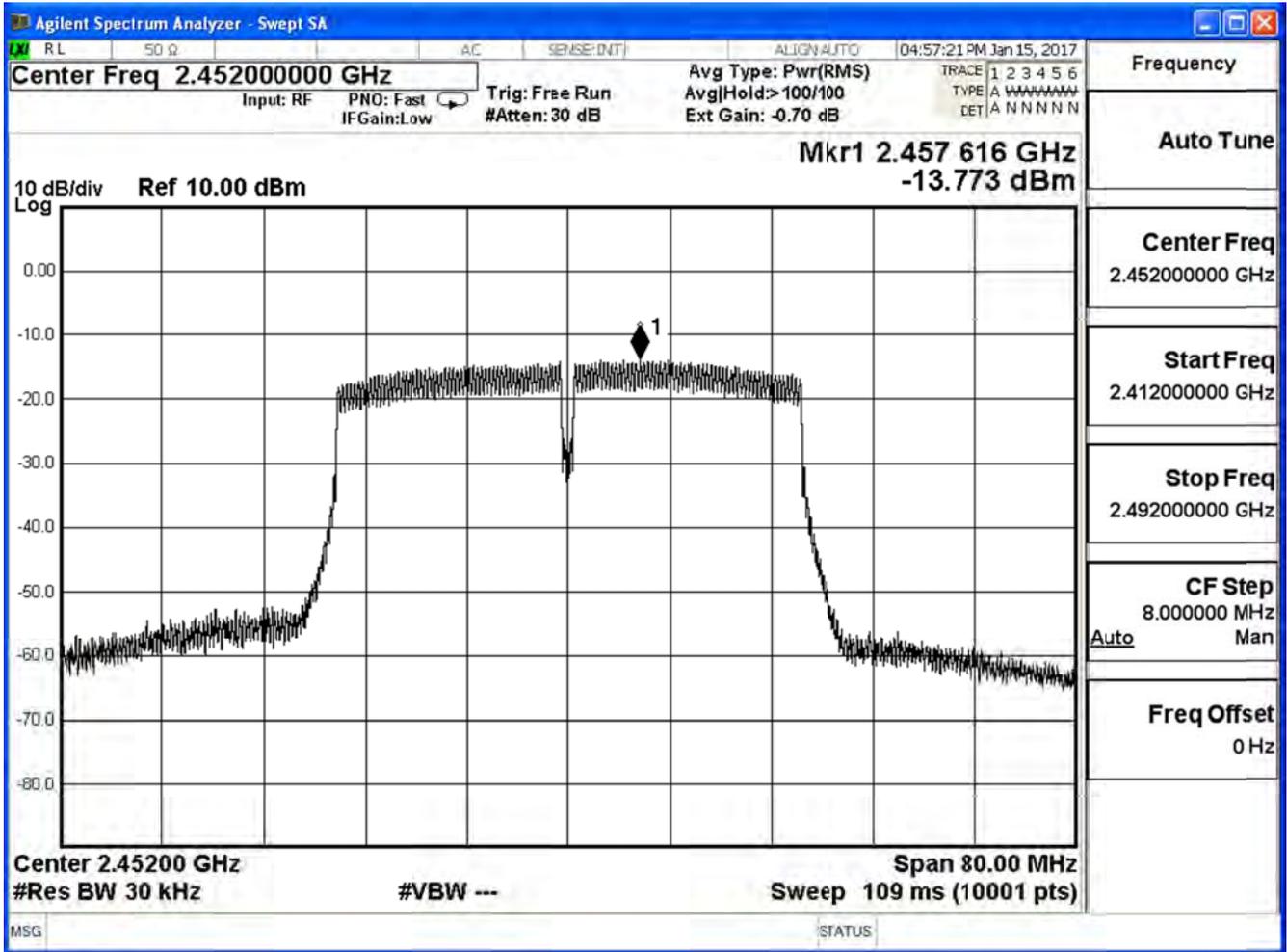
Channel 3



Channel 6



Channel 9



| | | | |
|--------------|-----------------------------------|-----------|--------|
| Product | Lyra mini | | |
| Test Item | Power Density | | |
| Test Mode | Mode 3: Tx-AD2037320910LF-BF Mode | | |
| Date of Test | 2017/01/15 | Test Site | SR10-H |

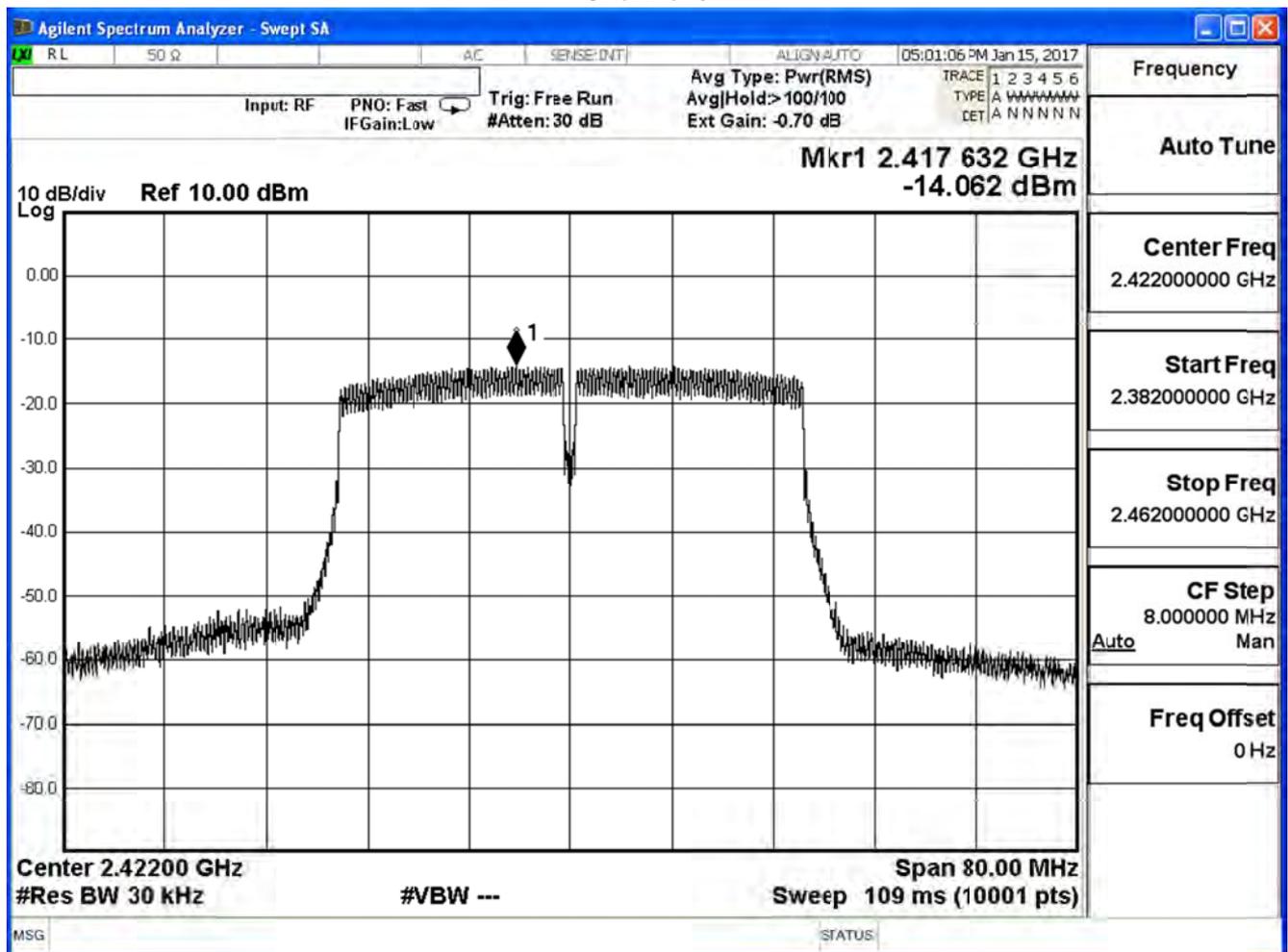
| IEEE802.11n 40MHz (ANT 1) | | | | |
|---------------------------|-----------------|---------------------|-------------|--------|
| Channel No. | Frequency (MHz) | Measure Level (dBm) | Limit (dBm) | Result |
| 3 | 2422 | -14.062 | ≤ 6.8 | Pass |
| 6 | 2437 | -10.682 | ≤ 6.8 | Pass |
| 9 | 2452 | -13.692 | ≤ 6.8 | Pass |

Note:

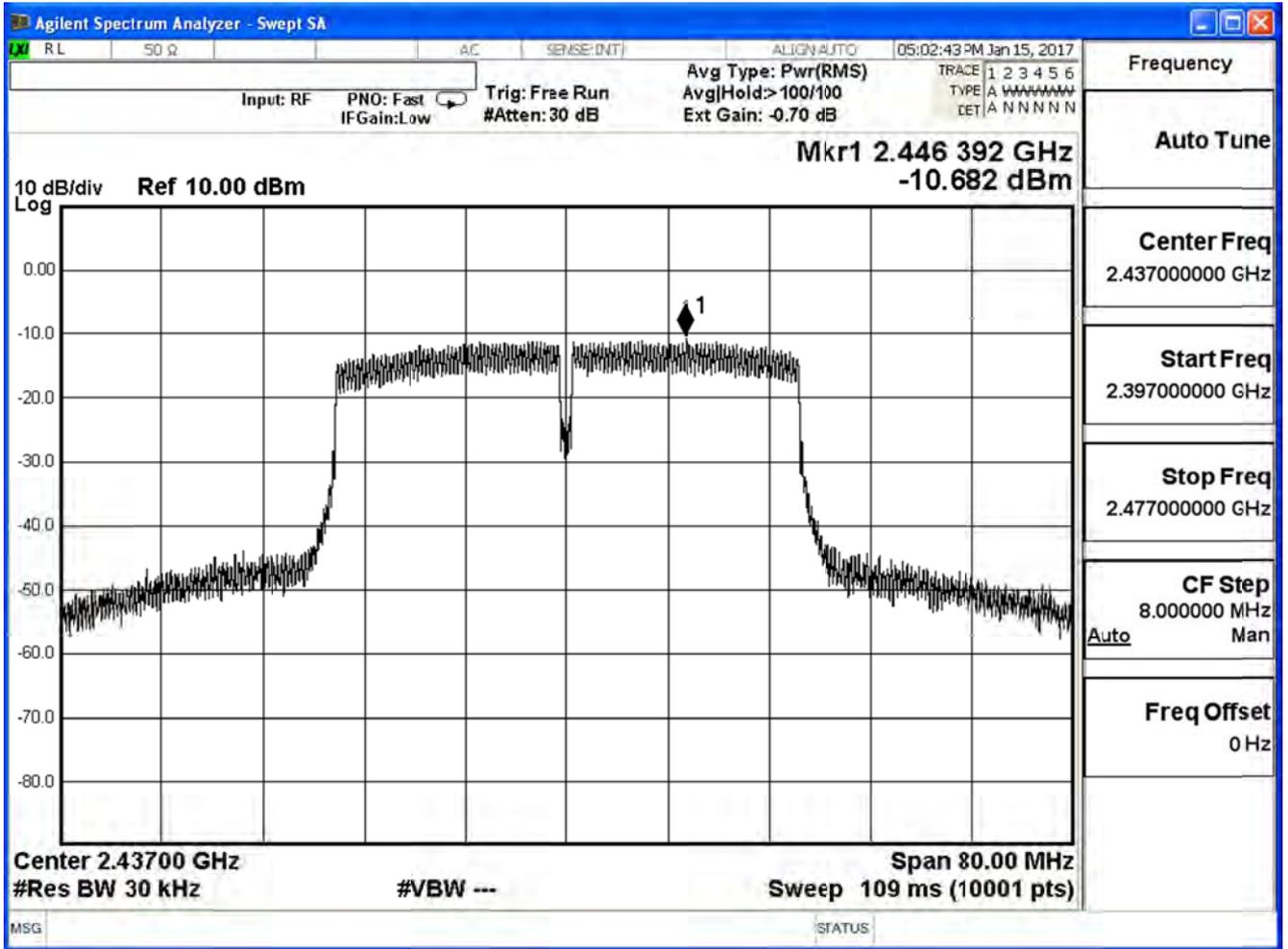
Directional Antenna=10log(N)+Max Gain+ Beamforming Gain=7.2dBi

Required Limit=8Bm-(7.2dBi-6dB)=6.8 dBm

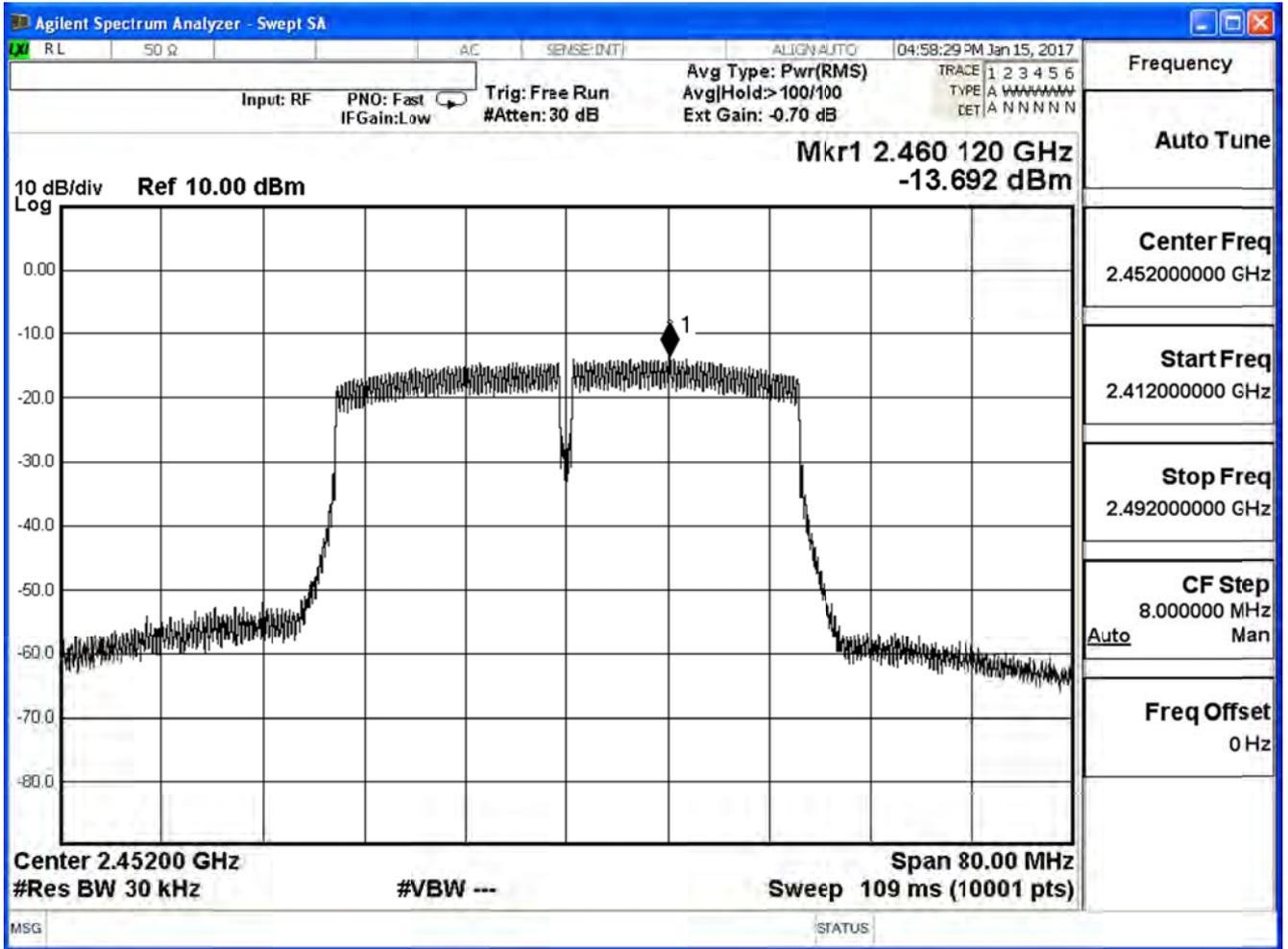
Channel 3



Channel 6



Channel 9



| | | | |
|--------------|-----------------------------------|-----------|--------|
| Product | Lyra mini | | |
| Test Item | Power Density | | |
| Test Mode | Mode 3: Tx-AD2037320910LF-BF Mode | | |
| Date of Test | 2017/01/15 | Test Site | SR10-H |

| IEEE802.11n 40MHz (ANT 0+1) | | | | |
|-----------------------------|-----------------|---------------------|-------------|--------|
| Channel No. | Frequency (MHz) | Measure Level (dBm) | Limit (dBm) | Result |
| 3 | 2422 | -11.002 | ≤ 6.8 | Pass |
| 6 | 2437 | -7.772 | ≤ 6.8 | Pass |
| 9 | 2452 | -10.722 | ≤ 6.8 | Pass |

Note:

Directional Antenna= $10\log(N)+\text{Max Gain}+\text{Beamforming Gain}=7.2\text{dBi}$

Required Limit= $8\text{Bm}-(7.2\text{dBi}-6\text{dB})=6.8\text{ dBm}$