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802.11n 40MHz 5310MHz



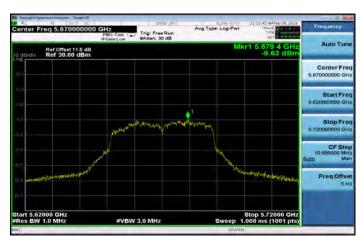
802.11n_40MHz_5510MHz



802.11n_40MHz_5550MHz



802.11n_40MHz_5670MHz



802.11n_40MHz_5710MHz



802.11n_40MHz_5755MHz



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802.11n 40MHz 5795MHz



802.11ac 80MHz 5210MHz



802.11ac_80MHz_5290MHz



802.11ac_80MHz_5530MHz



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802.11ac 80MHz 5610MHz



802.11ac_80MHz_5690MHz



802.11ac_80MHz_5775MHz



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11 UNDESIRABLE RADIATED EMISSION MEASUREMENT

11.1 Standard Applicable

The maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

- 1. 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.
- 2. 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.

| APPLICABLE TO | LI | MIT |
|--|---|---|
| FCC KDB 789033 D02 General UNII Test Procedures New Rules | FIELD STRE | ENGTH AT 3m |
| | PK: 74 (dBμV/m) | AV 54 (dBμV/m) |
| APPLICABLE TO | EIRP LIMIT | FIELD STRENGTH AT 3m |
| 15.407(b)(1) RSS-247 6.2.1.2 15.407(b)(2) RSS-247 6.2.2.2 | PK: -27 (dBm/MHz) | PK: 68.3 (dBμV/m) |
| 15.407(b)(3) RSS-247 6.2.3.2 | | |
| 15.407(b)(4)(i) RSS-247 6.2.4.2 | PK:-27 (dBm/MHz) *1 PK:10 (dBm/MHz) *2 PK:15.6 (dBm/MHz) *3 PK:27 (dBm/MHz) *4 | PK: 68.2(dBµV/m) *1 PK:105.2 (dBµV/m) *2 PK: 110.8(dBµV/m) *3 PK:122.2 (dBµV/m) *4 |

^{*1} beyond 75 MHz or more above of the bandedge.

 $EIRP = ((E*d)^2) / 30$, where E is the field in V/m, d is the measurement distance (3m), EIRP is the equivalent isotropically radiated power in Watts.

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^{*2} below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above.

^{*3} below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above.

^{*4} from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.



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Unwanted spurious emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table:

| Frequency (MHz) | Field strength (microvolts/meter) | Distance (meters) |
|--------------------|-----------------------------------|----------------------|
| 0.009-0.490 | 2400/F(KHz) | 300 |
| 0.490-1.705 | 24000/F(KHz) | 30 |
| 1.705-30 | 30 | 30 |
| 30-88 | 100 | 3 |
| 88-216 | 150 | 3 |
| 216-960 | 200 | 3 |
| Above 960 | 500 | 3 |

Note:

- 1. The lower limit shall apply at the transition frequencies.
- 2. Emission level $(dB\mu V/m) = 20 \log Emission level (dB\mu V/m)$

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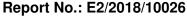


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11.2 **Measurement Equipment Used**

| SGS SAC-III | | | | | | | | | |
|-------------------|----------------------|--------------------------------|--------------------|---------------------|--------------------|--|--|--|--|
| Name of Equipment | Manufacturer | Model | Serial Num- ber | Calibration Date | Calibration Due | | | | |
| EMI Test Receiver | R&S | ESU 40 | 100363 | 04/18/2017 | 04/17/2018 | | | | |
| Loop Antenna | ETS-Lindgren | 6502 | 00143303 | 12/23/2017 | 12/22/2018 | | | | |
| Broadband Antenna | TESEQ | CBL 6112D | 35240 | 11/03/2017 | 11/02/2018 | | | | |
| Horn Antenna | ETS-Lindgren | 3117 | 00143272 | 12/15/2017 | 12/16/2018 | | | | |
| Horn Antenna | Schwarzbeck | BBHA9170 | 185 | 08/01/2017 | 07/31/2018 | | | | |
| Pre Amplifier | EMC Instru- ments | EMC330 | 980096 | 12/24/2017 | 12/23/2018 | | | | |
| Pre Amplifier | EMC Instru- ments | EMC0011830 | 980199 | 12/24/2017 | 12/23/2018 | | | | |
| Pre Amplifier | R&S | SCU-18 | 10204 | 12/24/2017 | 12/23/2018 | | | | |
| Pre Amplifier | EMC Instru- ments | EMC184045B | 980135 | 12/24/2017 | 12/23/2018 | | | | |
| Coaxial Cable | Huber+Suhner | RG 214/U | 966Rx 9K-30M | 12/24/2017 | 12/23/2018 | | | | |
| Coaxial Cable | Huber+Suhner | RG 214/U SUCOFLEX 104 | 966Rx 30M-3G | 12/24/2017 | 12/23/2018 | | | | |
| Coaxial Cable | Huber+Suhner | SUCOFLEX 104 | 966Rx 1G-18G | 12/24/2017 | 12/23/2018 | | | | |
| Coaxial Cable | Huber+Suhner | mini 141-12 SUCOFLEX 104 | 966Rx 18G-40G | 12/24/2017 | 12/23/2018 | | | | |
| Coaxial Cable | Huber+Suhner | SUCOFLEX 104 | 966Tx 30M-18G | 12/24/2017 | 12/23/2018 | | | | |
| Coaxial Cable | Huber+Suhner | SUCOFLEX 102 | 966Tx 18G-40G | 12/24/2017 | 12/23/2018 | | | | |
| Attenuator | WOKEN | 218FS-10 | RF27 | 12/24/2017 | 12/23/2018 | | | | |
| Site NSA | SGS | 966 Chamber C | SAC-C | 03/02/2017 | 03/01/2018 | | | | |
| Site VSWR | SGS | 966 Chamber C | SAC-C | 03/02/2017 | 03/01/2018 | | | | |
| DC Power Supply | HOLA | DP-3003 | D7070035 | 05/04/2017 | 05/03/2018 | | | | |
| Controller | MF | MF-7802 | N/A | N.C.R. | N.C.R. | | | | |
| Antenna Master | MF | N/A | N/A | N.C.R. | N.C.R. | | | | |
| Turn Table | MF | N/A | N/A | N.C.R. | N.C.R. | | | | |
| Test Software | World-Pallas | Dr. E | V 3.0 Lite | N.C.R. | N.C.R. | | | | |

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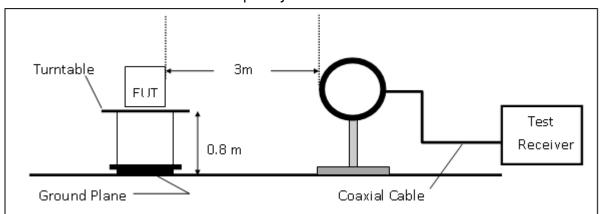


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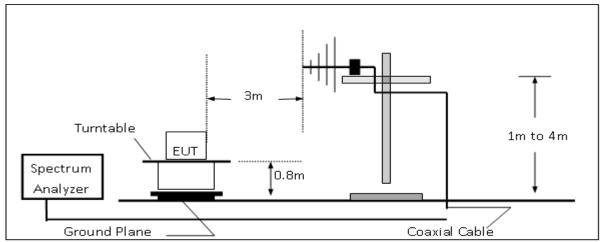


11.3 **Test SET-UP**

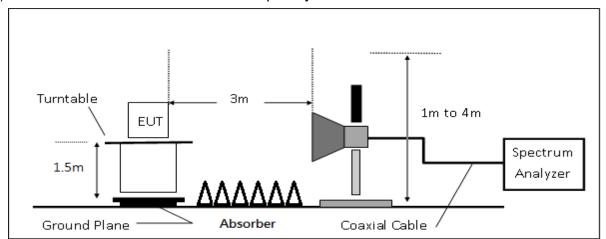
(A) Radiated Emission Test Set-UP Frequency Below 30MHz.



(B) Radiated Emission Test Set-Up, Frequency form 30MHz to 1000MHz



(C) Radiated Emission Test Set-UP Frequency Over 1 GHz



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11.4 **Measurement Procedure**

- The EUT was placed on a turn table which is 0.8m above ground plane. 1.
- 2. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules.
- The EUT was placed on a turn table with 0.8m for frequency< 1GHz and 1.5m for frequency> 3. 1GHz above ground plane.
- The turn table shall rotate 360 degrees to determine the position of maximum emission level. 4.
- 5. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emissions.
- 6. Set the spectrum analyzer as RBW=120 kHz and VBW=300 kHz for Peak Detector (PK) and Quasi-peak (QP) at frequency below 1 GHz.
- Set the spectrum analyzer as RBW=1 MHz, VBW=3 MHz for Peak Detector at frequency 7. above 1 GHz.
- Set the spectrum analyzer as RBW=1 MHz, VBW=10 Hz (Duty cycle > 98%) or VBW ≥ 1/T 8. (Duty cycle < 98%) for Average Detector at frequency above 1 GHz.
- Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
- 10. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
- 11. Repeat above procedures until all frequency measured were complete.

11.5 Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

FS = RA + AF + CL - AG

| | CL = Cable Attenuation Factor (Cable Loss) |
|------------------------|--|
| RA = Reading Amplitude | AG = Amplifier Gain |
| AF = Antenna Factor | |

Actual FS(dB μ V/m) = SPA. Reading level(dB μ V) + Factor(dB)

Factor(dB) = Antenna Factor(dB μ V/m) + Cable Loss(dB) – Pre Amplifier Gain(dB)

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Note:

"F": denotes Fundamental Frequency.; "H": denotes Harmonic Frequency.

"E": denotes Band Edge Frequency.; "S": denotes Spurious Frequency.

11.6 Test Results of Radiated Spurious Emissions form 9 KHz to 30 MHz

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit per 15.31(o) was not reported.

11.7 **Measurement Result**

Refer to next page for tabular data sheets.

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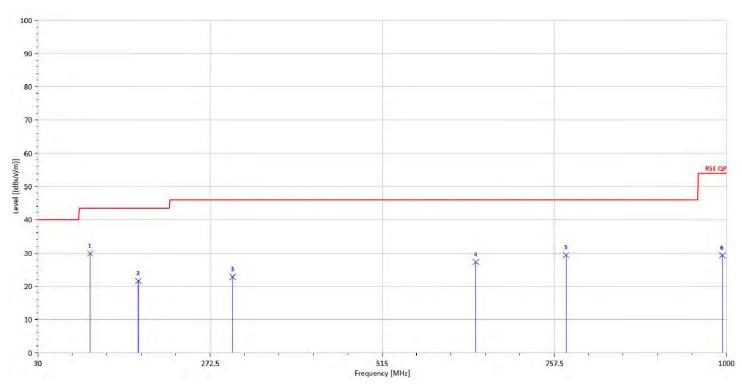
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Radiated Spurious Emission Measurement Result Below 1GHz Worst-Case Data: 802.11a 5150~5250 MHz

Operation Mode: 802.11aB1 Test Date: 2018/2/6

Fundamental Frequency: Temp. / Humi.: 22.7deg_C/57RH 5220 MHz

Operation Band: Tx CH Mid Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Vertical Н



| Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|--------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| MHz | F/H/E/S | PK/QP/AV | dBµV | dB | dBµV/m | dBµV/m | dB |
| 103.72 | S | Peak | 47.13 | -17.29 | 29.84 | 43.5 | -13.66 |
| 171.62 | S | Peak | 39.91 | -18.33 | 21.58 | 43.5 | -21.92 |
| 304.51 | S | Peak | 35.73 | -12.94 | 22.79 | 46 | -23.21 |
| 646.92 | S | Peak | 32.22 | -4.92 | 27.30 | 46 | -18.70 |
| 773.99 | S | Peak | 34.07 | -4.72 | 29.35 | 46 | -16.65 |
| 994.18 | S | Peak | 30.05 | -0.79 | 29.26 | 54 | -24.74 |

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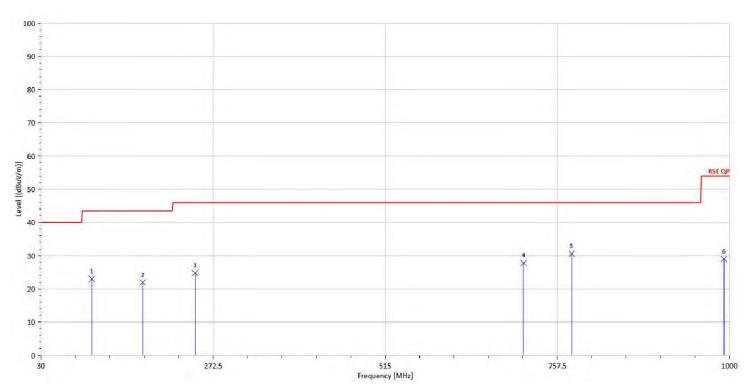


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Operation Mode: Test Date: 802.11aB1 2018/2/6

Fundamental Frequency: 5220 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: Test Engineer: Tx CH Mid Ashton EUT Pol.: Measurement Antenna Pol.: Η Horizontal



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|--------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 101.78 | S | Peak | 40.50 | -17.52 | 22.97 | 43.5 | -20.53 |
| 173.56 | S | Peak | 40.32 | -18.36 | 21.95 | 43.5 | -21.55 |
| 247.28 | S | Peak | 39.52 | -14.75 | 24.78 | 46 | -21.22 |
| 709.97 | S | Peak | 33.07 | -5.28 | 27.80 | 46 | -18.20 |
| 777.87 | S | Peak | 35.13 | -4.56 | 30.56 | 46 | -15.44 |
| 992.24 | S | Peak | 29.71 | -0.74 | 28.97 | 54 | -25.03 |

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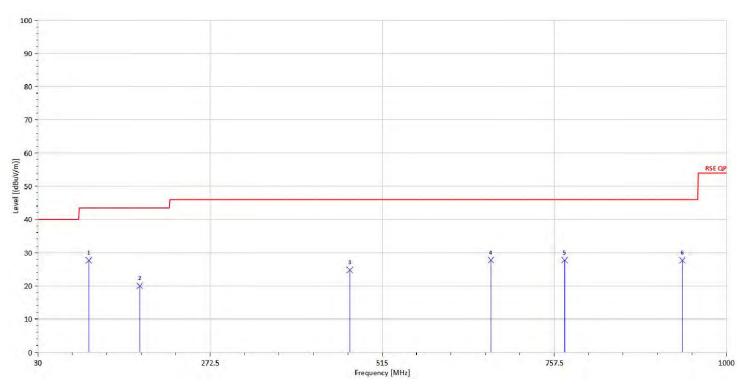
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802.11a 5250~5350 MHz

Operation Mode: 802.11aB2 Test Date: 2018/2/6

Fundamental Frequency: 5300 MHz Temp. / Humi.: 22.7deg_C/57RH

Operation Band: Tx CH Mid Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Vertical



| Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|--------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 101.78 | S | Peak | 45.20 | -17.52 | 27.68 | 43.5 | -15.82 |
| 173.56 | S | Peak | 38.37 | -18.36 | 20.00 | 43.5 | -23.50 |
| 469.41 | S | Peak | 32.55 | -7.76 | 24.78 | 46 | -21.22 |
| 668.26 | S | Peak | 33.21 | -5.46 | 27.75 | 46 | -18.25 |
| 772.05 | S | Peak | 32.16 | -4.41 | 27.75 | 46 | -18.25 |
| 937.92 | S | Peak | 29.39 | -1.71 | 27.68 | 46 | -18.32 |

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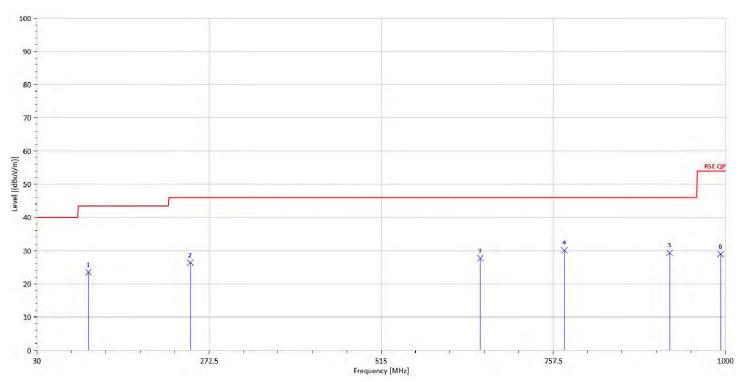


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Operation Mode: Test Date: 802.11aB2 2018/2/6

Fundamental Frequency: 5300 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: Test Engineer: Tx CH Mid Ashton EUT Pol.: Measurement Antenna Pol.: Η Horizontal



| Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|--------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 102.75 | S | Peak | 40.86 | -17.40 | 23.46 | 43.5 | -20.04 |
| 246.31 | S | Peak | 41.24 | -14.88 | 26.36 | 46 | -19.64 |
| 654.68 | S | Peak | 32.93 | -5.19 | 27.74 | 46 | -18.26 |
| 773.02 | S | Peak | 34.70 | -4.59 | 30.11 | 46 | -15.89 |
| 921.43 | S | Peak | 31.15 | -1.80 | 29.35 | 46 | -16.65 |
| 993.21 | S | Peak | 29.75 | -0.84 | 28.91 | 54 | -25.09 |

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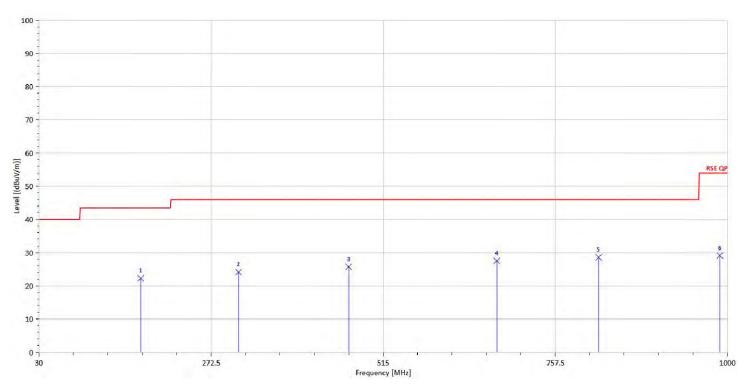
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802.11a, 5470~5725 MHz

Operation Mode: 802.11aB3 Test Date: 2018/2/6

Fundamental Frequency: 5580 MHz Temp. / Humi. : 22.7deg_C/57RH

Operation Band: Tx CH Mid Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Vertical



| Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|--------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| MHz | F/H/E/S | PK/QP/AV | dBµV | dB | dBµV/m | dBµV/m | dB |
| 173.56 | S | Peak | 40.65 | -18.36 | 22.28 | 43.5 | -21.22 |
| 311.30 | S | Peak | 36.70 | -12.57 | 24.13 | 46 | -21.87 |
| 466.50 | S | Peak | 33.66 | -7.93 | 25.73 | 46 | -20.27 |
| 675.05 | S | Peak | 33.03 | -5.48 | 27.55 | 46 | -18.45 |
| 818.61 | S | Peak | 31.59 | -3.02 | 28.58 | 46 | -17.42 |
| 989.33 | S | Peak | 29.78 | -0.66 | 29.12 | 54 | -24.88 |

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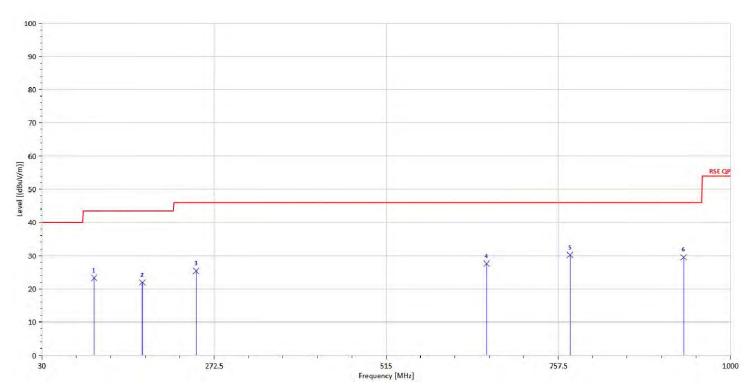


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Operation Mode: Test Date: 802.11aB3 2018/2/7

Fundamental Frequency: 5580 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: Test Engineer: Tx CH Mid Ashton EUT Pol.: Measurement Antenna Pol.: Η Horizontal



| Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|--------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 103.72 | S | Peak | 40.60 | -17.29 | 23.32 | 43.5 | -20.18 |
| 171.62 | S | Peak | 40.27 | -18.33 | 21.94 | 43.5 | -21.56 |
| 247.28 | S | Peak | 40.12 | -14.75 | 25.38 | 46 | -20.62 |
| 656.62 | S | Peak | 32.57 | -4.96 | 27.61 | 46 | -18.39 |
| 773.99 | S | Peak | 34.95 | -4.72 | 30.23 | 46 | -15.77 |
| 934.04 | S | Peak | 31.07 | -1.58 | 29.49 | 46 | -16.51 |

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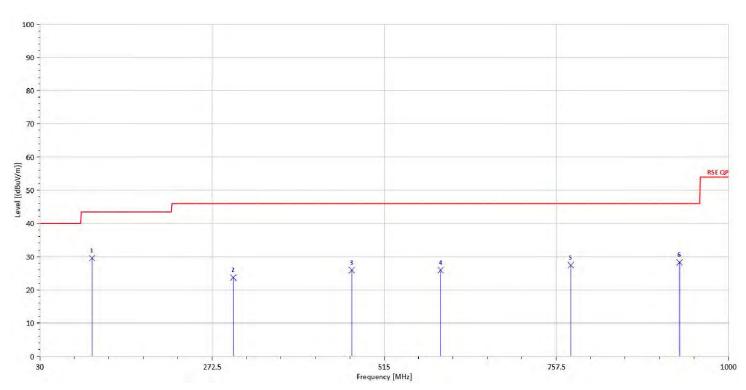
Page: 110 of 270

802.11a, 5725~5850 MHz

Operation Mode: 802.11aB4 Test Date: 2018/2/6

Fundamental Frequency: 5785 MHz Temp. / Humi. : 22.7deg_C/57RH

Operation Band: Tx CH Mid Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Vertical



| Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|--------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 103.72 | S | Peak | 46.83 | -17.29 | 29.54 | 43.5 | -13.96 |
| 302.57 | S | Peak | 36.76 | -13.06 | 23.70 | 46 | -22.30 |
| 469.41 | S | Peak | 33.72 | -7.76 | 25.96 | 46 | -20.04 |
| 594.54 | S | Peak | 31.71 | -5.76 | 25.95 | 46 | -20.05 |
| 777.87 | S | Peak | 32.00 | -4.56 | 27.44 | 46 | -18.56 |
| 931.13 | S | Peak | 29.96 | -1.70 | 28.26 | 46 | -17.74 |

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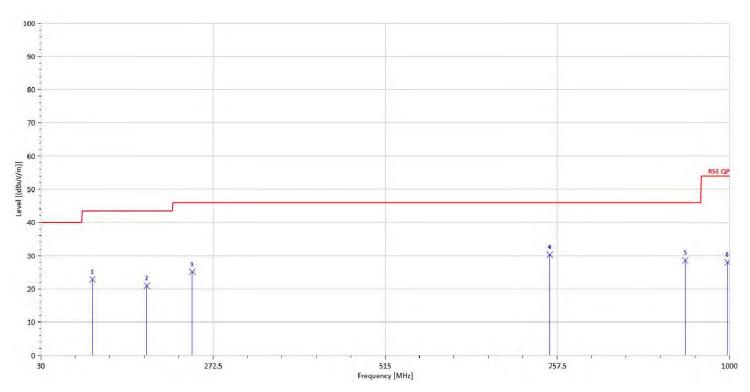


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Operation Mode: Test Date: 802.11aB4 2018/2/7

Fundamental Frequency: 5785 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: Test Engineer: Tx CH Mid Ashton EUT Pol.: Measurement Antenna Pol.: Η Horizontal



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|--------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 102.75 | S | Peak | 40.24 | -17.40 | 22.84 | 43.5 | -20.66 |
| 179.38 | S | Peak | 39.62 | -18.71 | 20.91 | 43.5 | -22.59 |
| 243.40 | S | Peak | 40.22 | -15.07 | 25.15 | 46 | -20.85 |
| 746.83 | S | Peak | 34.53 | -4.23 | 30.30 | 46 | -15.70 |
| 937.92 | S | Peak | 30.30 | -1.71 | 28.58 | 46 | -17.42 |
| 997.09 | S | Peak | 28.65 | -0.66 | 27.99 | 54 | -26.01 |

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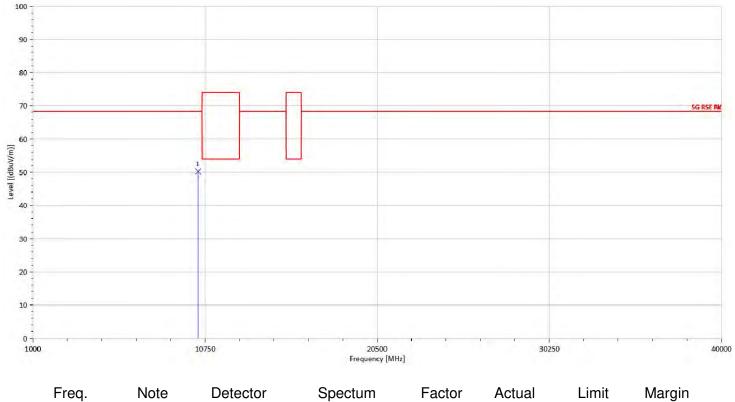
Above 1GHz Worst-Case Data:

Radiated Spurious Emission Measurement Result 802.11a, 5150~5250 MHz

Operation Mode: 802.11aB1 Test Date: 2018/1/16

Fundamental Frequency: 5180 MHz Temp. / Humi.: 22.7deg C/57RH

Operation Band: Tx CH Low Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Vertical



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|----------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 10360.00 | Н | Peak | 30.06 | 20.18 | 50.23 | 68.3 | -18.07 |

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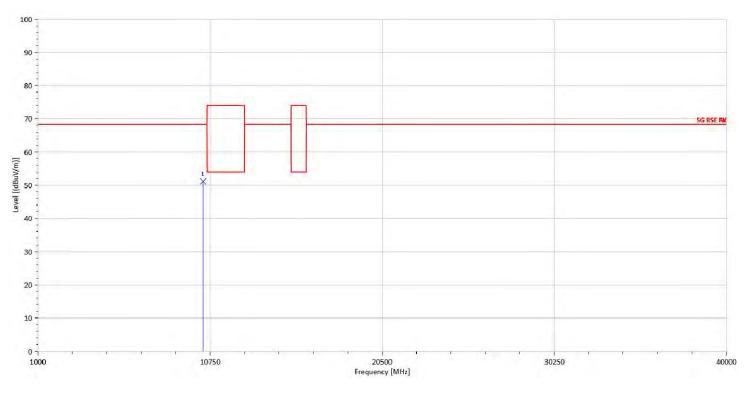


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Operation Mode: Test Date: 802.11aB1 2018/1/16

Fundamental Frequency: 5180 MHz Temp. / Humi.: 22.7deg C/57RH

Operation Band: Test Engineer: Tx CH Low Ashton EUT Pol.: Measurement Antenna Pol.: Η Horizontal



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|----------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dBµV | dB | dBµV/m | dBµV/m | dB |
| 10360.00 | Н | Peak | 30.97 | 20.18 | 51.15 | 68.3 | -17.15 |

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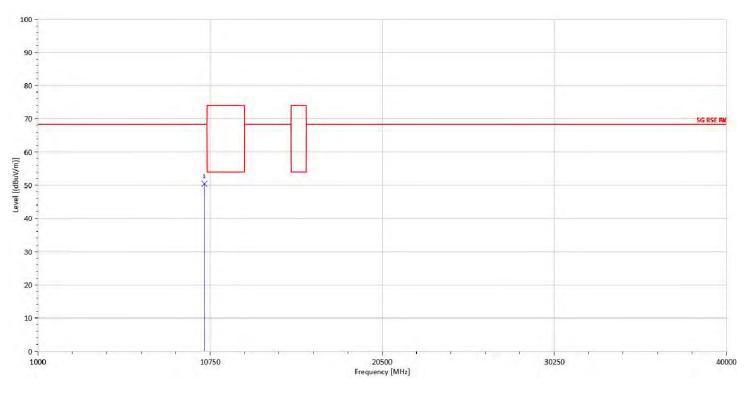


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Operation Mode: Test Date: 802.11aB1 2018/1/16

Fundamental Frequency: 5220 MHz Temp. / Humi.: 22.7deg C/57RH

Operation Band: Test Engineer: Tx CH Mid Ashton EUT Pol.: Measurement Antenna Pol.: Η Vertical



| | Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|---|----------|---------|----------|---------------|--------|--------|--------|--------|
| | | | Mode | Reading Level | | FS | @3m | |
| _ | MHz | F/H/E/S | PK/QP/AV | dBµV | dB | dBµV/m | dBµV/m | dB |
| - | 10440.00 | Н | Peak | 30.13 | 20.29 | 50.42 | 68.3 | -17.88 |

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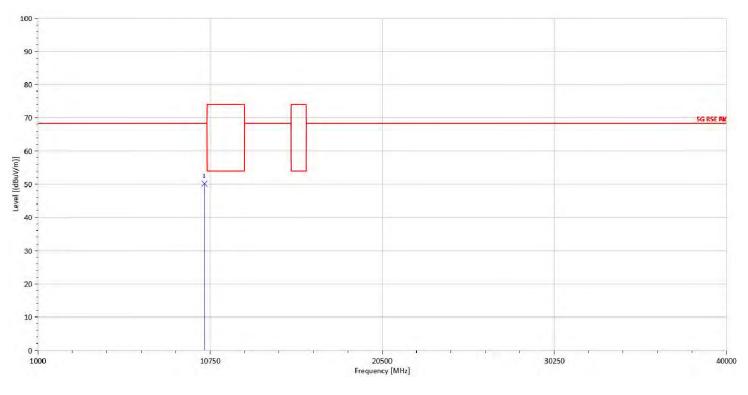


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Operation Mode: Test Date: 802.11aB1 2018/1/16

Fundamental Frequency: 5220 MHz Temp. / Humi.: 22.7deg C/57RH

Operation Band: Test Engineer: Tx CH Mid Ashton EUT Pol.: Measurement Antenna Pol.: Η Horizontal



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin | |
|----------|---------|----------|---------------|--------|--------|--------|--------|---|
| | | Mode | Reading Level | | FS | @3m | | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB | _ |
| 10440.00 | Н | Peak | 29.88 | 20.29 | 50.17 | 68.3 | -18.13 | |

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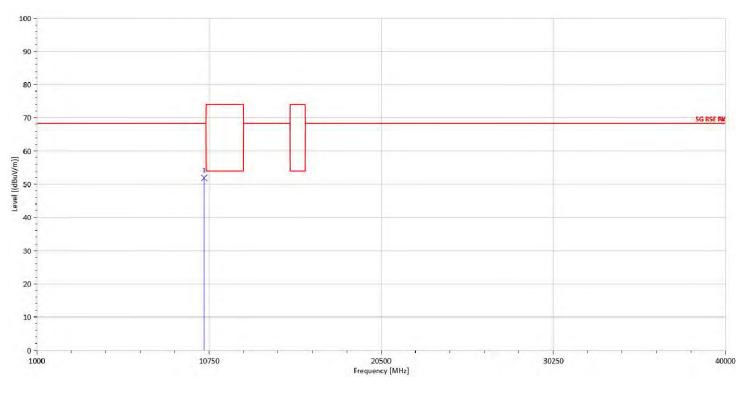


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Operation Mode: 802.11aB1 Test Date: 2018/1/16

Fundamental Frequency: 5240 MHz Temp. / Humi.: 22.7deg C/57RH

Operation Band: Tx CH High Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol.: Η Vertical



| | Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|---|----------|---------|----------|---------------|--------|--------|--------|--------|
| | | | Mode | Reading Level | | FS | @3m | |
| _ | MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| - | 10480.00 | Н | Peak | 31.22 | 20.68 | 51.90 | 68.3 | -16.40 |

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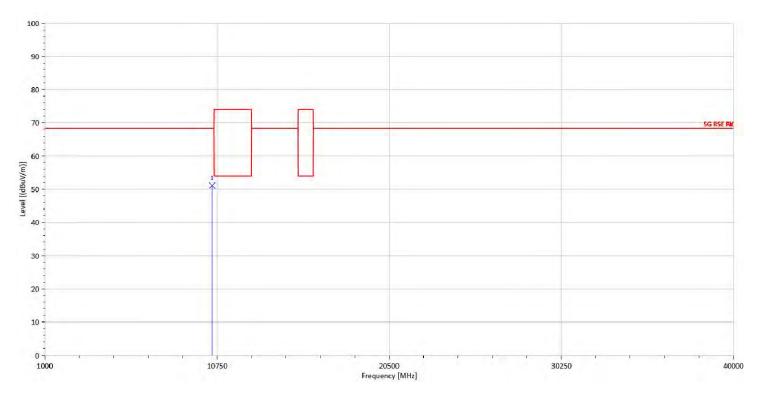


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Operation Mode: 802.11aB1 Test Date: 2018/1/16

Fundamental Frequency: 5240 MHz Temp. / Humi.: 22.7deg C/57RH

Operation Band: Tx CH High Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol.: Η Horizontal



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|----------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 10480.00 | Н | Peak | 30.45 | 20.68 | 51.12 | 68.3 | -17.18 |

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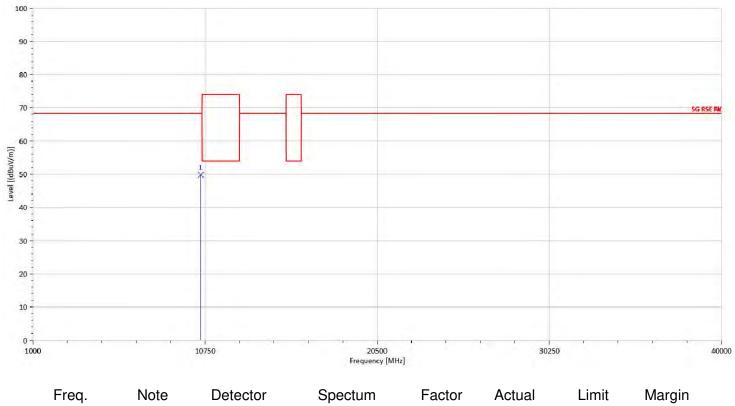
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Radiated Spurious Emission Measurement Result 802.11a, 5250MHz-5350MHz

Operation Mode: 802.11aB2 Test Date: 2018/1/16

Fundamental Frequency: 5260 MHz Temp. / Humi.: 22.7deg_C/57RH

Operation Band: Tx CH Low Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Vertical



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|----------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dBµV | dB | dBµV/m | dBµV/m | dB |
| 10520.00 | Н | Peak | 29.72 | 20.10 | 49.82 | 68.3 | -18.48 |

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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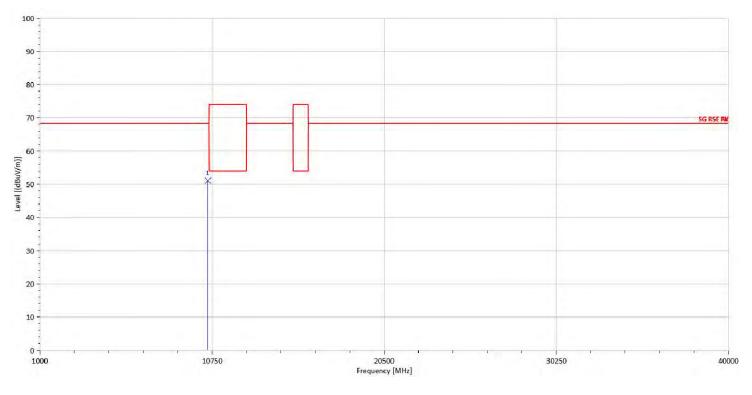


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Operation Mode: Test Date: 802.11aB2 2018/1/16

Fundamental Frequency: 5260 MHz Temp. / Humi.: 22.7deg C/57RH

Operation Band: Test Engineer: Tx CH Low Ashton EUT Pol.: Measurement Antenna Pol.: Η Horizontal



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|----------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 10520.00 | Н | Peak | 30.98 | 20.10 | 51.08 | 68.3 | -17.22 |

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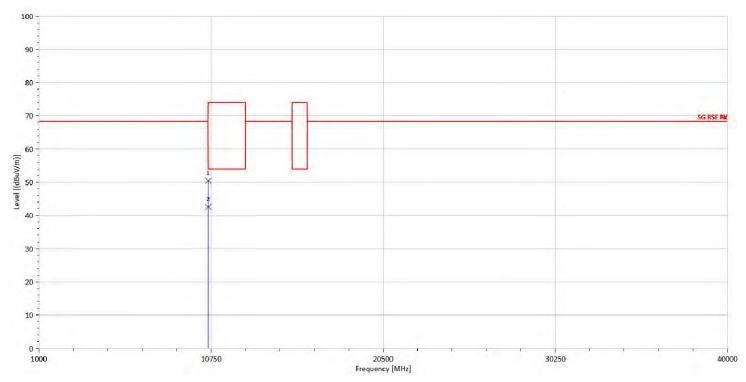


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Operation Mode: 802.11aB2 Test Date: 2018/1/16

Fundamental Frequency: 5300 MHz Temp. / Humi.: 22.7deg C/57RH

Operation Band: Tx CH Mid Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol.: Η Vertical



| | Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|---|----------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| | MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| • | 10600.00 | Н | Peak | 30.27 | 20.17 | 50.44 | 74 | -23.56 |
| | 10600.00 | Н | Average | 22.36 | 20.17 | 42.53 | 54 | -11.47 |

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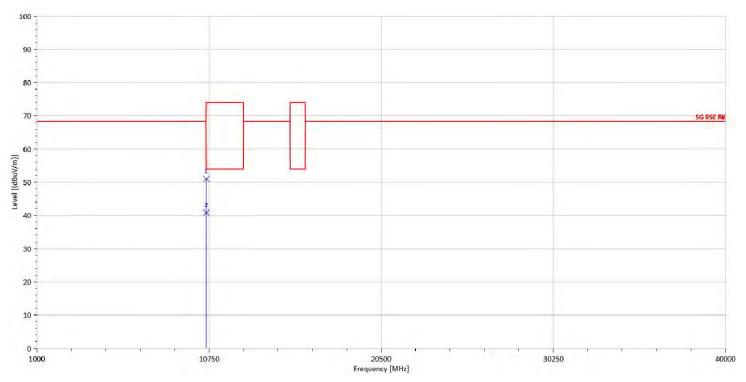


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Operation Mode: 802.11aB2 Test Date: 2018/1/16

Fundamental Frequency: 5300 MHz Temp. / Humi.: 22.7deg C/57RH

Operation Band: Tx CH Mid Test Engineer: **Ashton** EUT Pol.: Measurement Antenna Pol.: Η Horizontal



| Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|----------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 10600.00 | Н | Peak | 30.78 | 20.17 | 50.95 | 74 | -23.05 |
| 10600.00 | Н | Average | 20.71 | 20.17 | 40.88 | 54 | -13.12 |

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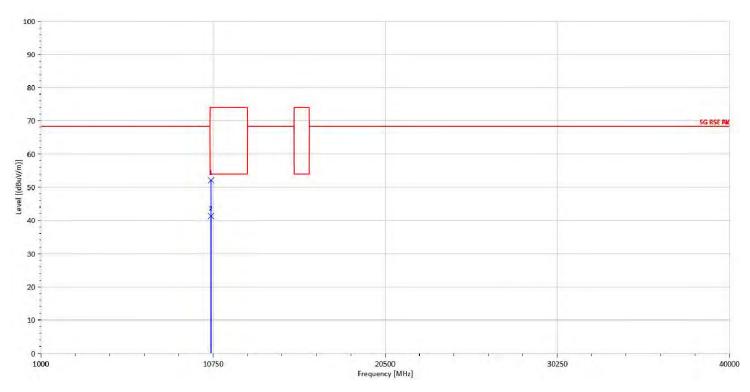


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Operation Mode: 802.11aB2 Test Date: 2018/1/16

Fundamental Frequency: 5320 MHz Temp. / Humi.: 22.7deg C/57RH

Operation Band: Tx CH High Test Engineer: **Ashton** EUT Pol.: Measurement Antenna Pol.: Η Vertical



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|----------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 10640.00 | Н | Peak | 31.75 | 20.34 | 52.10 | 74 | -21.90 |
| 10640.00 | Н | Average | 20.98 | 20.34 | 41.32 | 54 | -12.68 |

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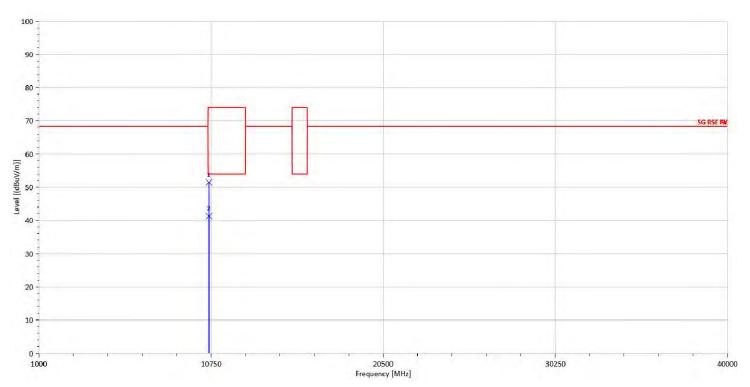


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Operation Mode: 802.11aB2 Test Date: 2018/1/16

Fundamental Frequency: 5320 MHz Temp. / Humi.: 22.7deg C/57RH

Operation Band: Tx CH High Test Engineer: **Ashton** EUT Pol.: Measurement Antenna Pol.: Η Horizontal



| Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|----------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dΒμV/m | dB |
| 10640.00 | Н | Peak | 31.13 | 20.34 | 51.47 | 74 | -22.53 |
| 10640.00 | Н | Average | 20.95 | 20.34 | 41.29 | 54 | -12.71 |

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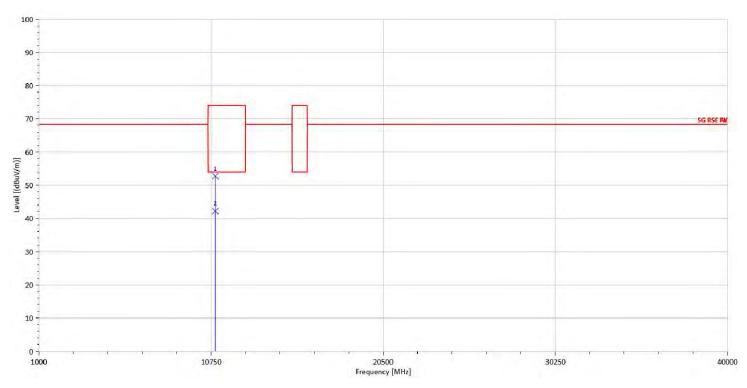
Page: 124 of 270

Radiated Spurious Emission Measurement Result 802.11a, 5470~5725 MHz

Operation Mode: 802.11aB3 Test Date: 2018/1/16

Fundamental Frequency: 5500 MHz Temp. / Humi.: 22.7deg_C/57RH

Operation Band: Tx CH Low Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Vertical



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|----------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dBµV | dB | dBµV/m | dBµV/m | dB |
| 11000.00 | Н | Peak | 30.61 | 22.11 | 52.72 | 74 | -21.28 |
| 11000.00 | Н | Average | 20.09 | 22.11 | 42.20 | 54 | -11.80 |

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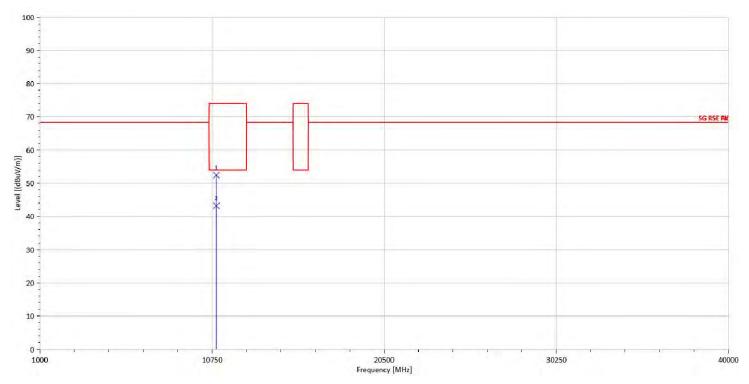


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Operation Mode: 802.11aB3 Test Date: 2018/1/16

Fundamental Frequency: 5500 MHz Temp. / Humi.: 22.7deg C/57RH

Operation Band: Tx CH Low Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol.: Η Horizontal



| Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|----------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 11000.00 | Н | Peak | 30.33 | 22.11 | 52.44 | 74 | -21.56 |
| 11000.00 | Н | Average | 21.12 | 22.11 | 43.23 | 54 | -10.77 |

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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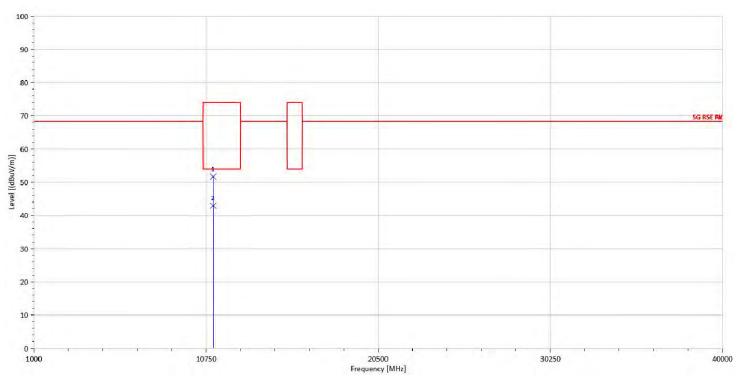


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Operation Mode: 802.11aB3 Test Date: 2018/1/16

Fundamental Frequency: 5580 MHz Temp. / Humi.: 22.7deg C/57RH

Operation Band: Tx CH Mid Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol.: Η Vertical



| Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|----------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| MHz | F/H/E/S | PK/QP/AV | dBµV | dB | dΒμV/m | dBµV/m | dB |
| 11160.00 | Н | Peak | 29.62 | 22.04 | 51.66 | 74 | -22.34 |
| 11160.00 | Н | Average | 20.88 | 22.04 | 42.92 | 54 | -11.08 |

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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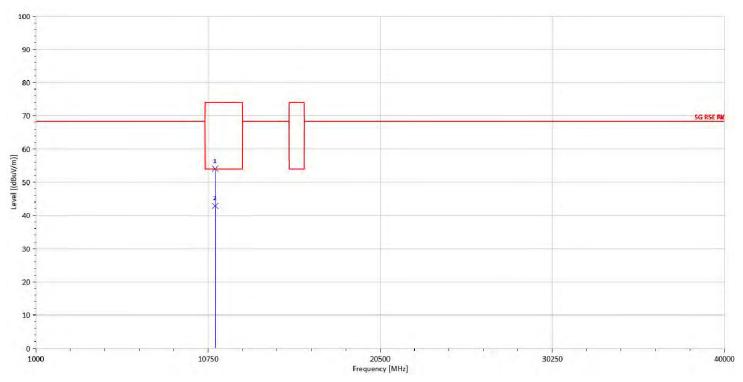


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Operation Mode: 802.11aB3 Test Date: 2018/1/16

Fundamental Frequency: 5580 MHz Temp. / Humi.: 22.7deg C/57RH

Operation Band: Tx CH Mid Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol.: Η Horizontal



| Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|----------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| MHz | F/H/E/S | PK/QP/AV | dBµV | dB | dBµV/m | dBµV/m | dB |
| 11160.00 | Н | Peak | 32.03 | 22.04 | 54.07 | 74 | -19.93 |
| 11160.00 | Н | Average | 20.85 | 22.04 | 42.89 | 54 | -11.11 |

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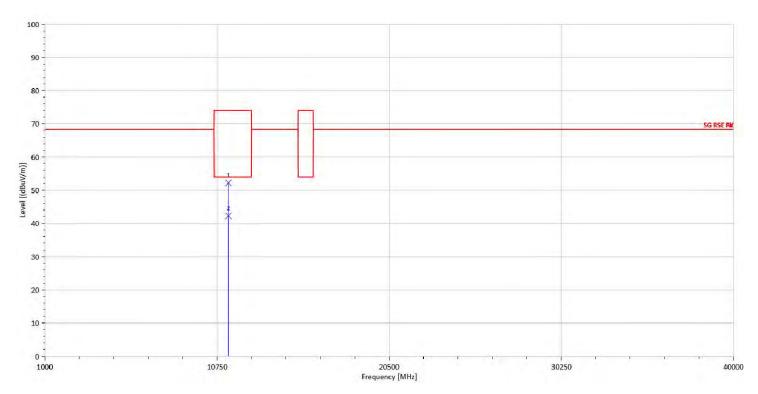


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Operation Mode: 802.11aB3 Test Date: 2018/1/16

Fundamental Frequency: 5700 MHz Temp. / Humi.: 22.7deg C/57RH

Operation Band: Tx CH High Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Η Vertical



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|----------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 11400.00 | Н | Peak | 30.99 | 21.22 | 52.21 | 74 | -21.79 |
| 11400.00 | Н | Average | 21.06 | 21.22 | 42.28 | 54 | -11.72 |

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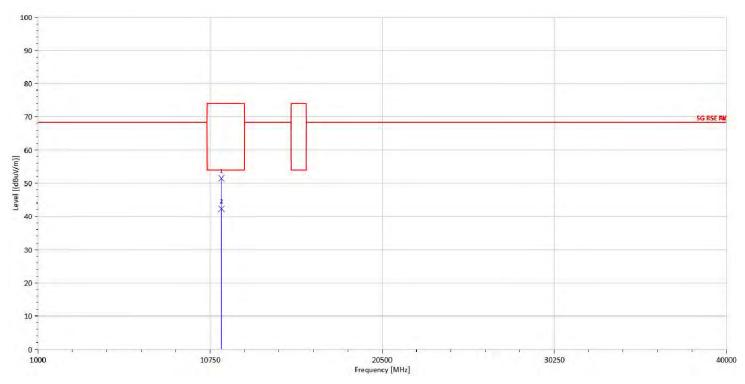


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Operation Mode: 802.11aB3 Test Date: 2018/1/16

Fundamental Frequency: 5700 MHz Temp. / Humi.: 22.7deg C/57RH

Operation Band: Tx CH High Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Η Horizontal



| Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|----------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 11400.00 | Н | Peak | 30.27 | 21.22 | 51.49 | 74 | -22.51 |
| 11400.00 | Н | Average | 21.07 | 21.22 | 42.29 | 54 | -11.71 |

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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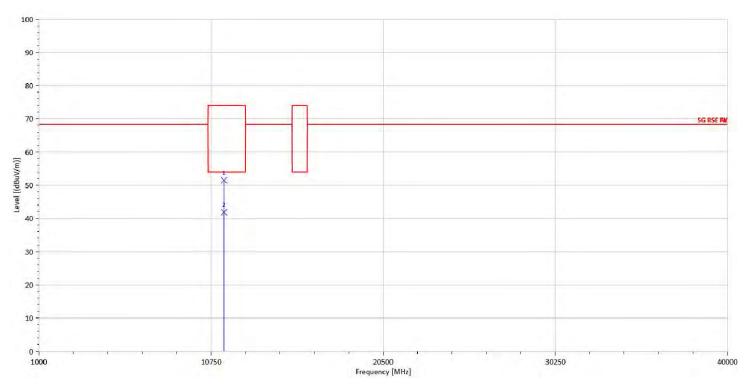
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Radiated Spurious Emission Measurement Result 802.11a, 5725~5850 MHz

Operation Mode: 802.11aB4 Test Date: 2018/1/16

Fundamental Frequency: 5745 MHz Temp. / Humi.: 22.7deg_C/57RH

Operation Band: Tx CH Low Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Vertical



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|----------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dBµV | dB | dBµV/m | dBµV/m | dB |
| 11490.00 | Н | Peak | 30.78 | 20.70 | 51.48 | 74 | -22.52 |
| 11490.00 | Н | Peak | 21.16 | 20.70 | 41.86 | 74 | -32.14 |

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| No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號 t (886-2) 2299-3279

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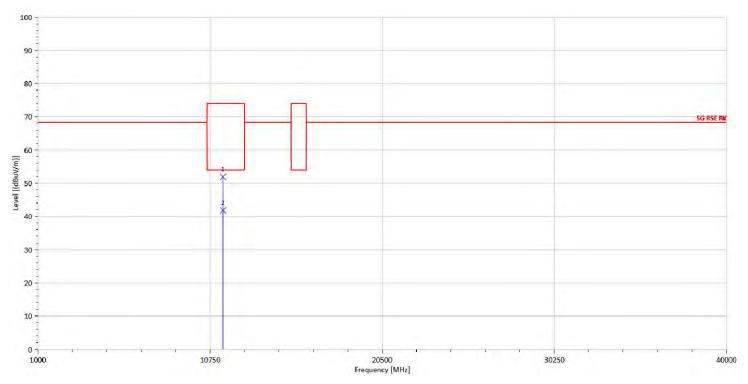


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Operation Mode: 802.11aB4 Test Date: 2018/1/16

Fundamental Frequency: 5745 MHz Temp. / Humi.: 22.7deg C/57RH

Operation Band: Tx CH Low Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Η Horizontal



| | Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|---|----------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| | MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| • | 11490.00 | Н | Peak | 31.20 | 20.70 | 51.91 | 74 | -22.09 |
| | 11490.00 | Н | Peak | 21.15 | 20.70 | 41.85 | 74 | -32.15 |

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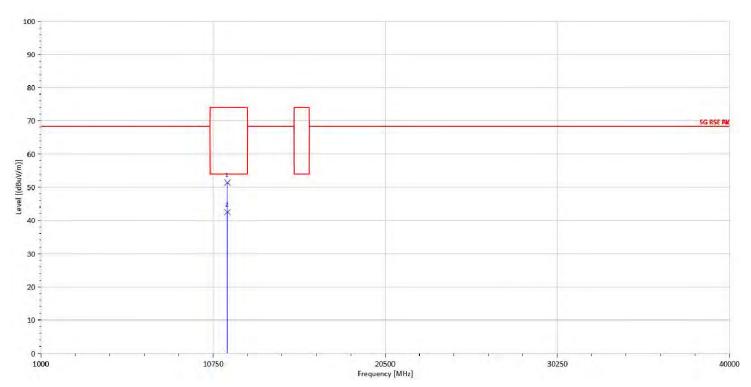


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Operation Mode: 802.11aB4 Test Date: 2018/1/16

Fundamental Frequency: 5785 MHz Temp. / Humi.: 22.7deg C/57RH

Operation Band: Tx CH Mid Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Η Vertical



| | Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|---|----------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| | MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| • | 11570.00 | Н | Peak | 29.93 | 21.44 | 51.38 | 74 | -22.62 |
| | 11570.00 | Н | Average | 21.05 | 21.44 | 42.49 | 54 | -11.51 |

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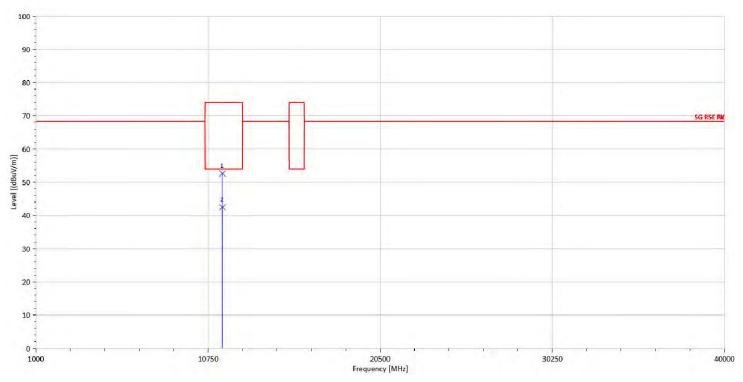


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Operation Mode: 802.11aB4 Test Date: 2018/1/16

Fundamental Frequency: 5785 MHz Temp. / Humi.: 22.7deg C/57RH

Operation Band: Tx CH Mid Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Η Horizontal



| Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|----------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| MHz | F/H/E/S | PK/QP/AV | dΒμ̈V | dB | dBµV/m | dBµV/m | dB |
| 11570.00 | Н | Peak | 31.17 | 21.44 | 52.61 | 74 | -21.39 |
| 11570.00 | Н | Average | 21.05 | 21.44 | 42.49 | 54 | -11.51 |

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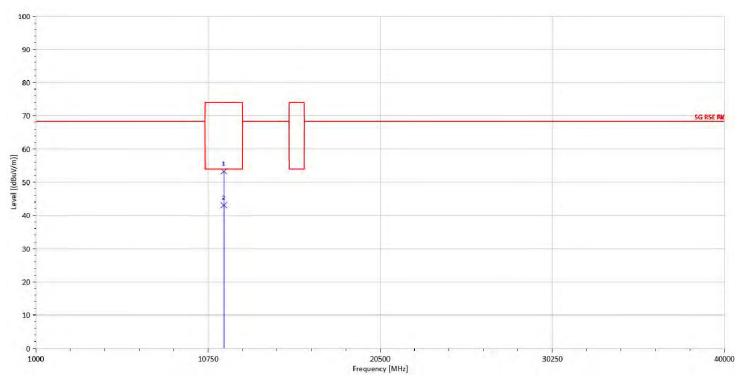


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Operation Mode: 802.11aB4 Test Date: 2018/1/16

Fundamental Frequency: 5825 MHz Temp. / Humi.: 22.7deg C/57RH

Operation Band: Tx CH High Test Engineer: **Ashton** EUT Pol.: Measurement Antenna Pol.: Η Vertical



| Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|----------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 11650.00 | Н | Peak | 31.24 | 22.02 | 53.26 | 74 | -20.74 |
| 11650.00 | Н | Peak | 21.08 | 22.02 | 43.10 | 74 | -30.90 |

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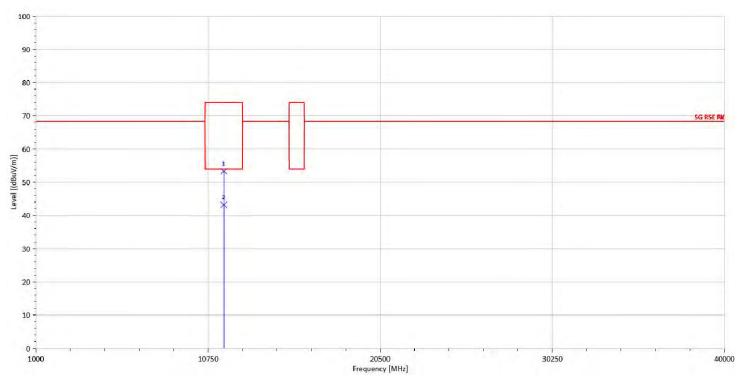


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Operation Mode: 802.11aB4 Test Date: 2018/1/16

Fundamental Frequency: 5825 MHz Temp. / Humi.: 22.7deg C/57RH

Operation Band: Tx CH High Test Engineer: **Ashton** EUT Pol.: Measurement Antenna Pol.: Η Horizontal



| Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|----------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 11650.00 | Н | Peak | 31.31 | 22.02 | 53.33 | 74 | -20.67 |
| 11650.00 | Н | Average | 21.18 | 22.02 | 43.20 | 54 | -10.80 |

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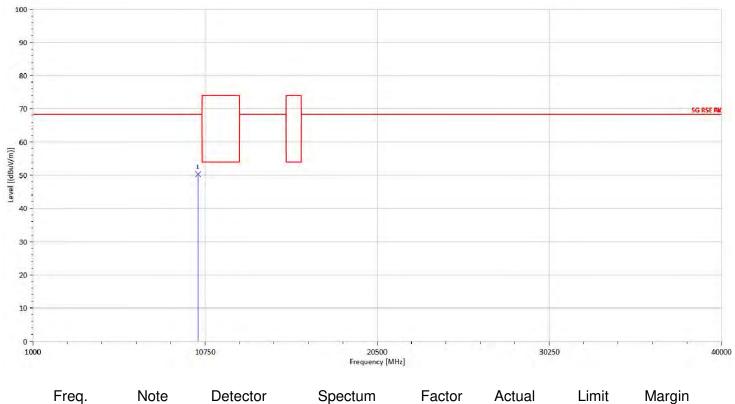
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Radiated Spurious Emission Measurement Result 802.11n HT20, 5150~5250 MHz

Operation Mode: 802.11n20B1 Test Date: 2018/1/16

Fundamental Frequency: 5180 MHz Temp. / Humi. : 22.7deg_C/57RH

Operation Band: Tx CH Low Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Н Vertical



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|----------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 10360.00 | Н | Peak | 30.10 | 20.18 | 50.28 | 68.3 | -18.02 |

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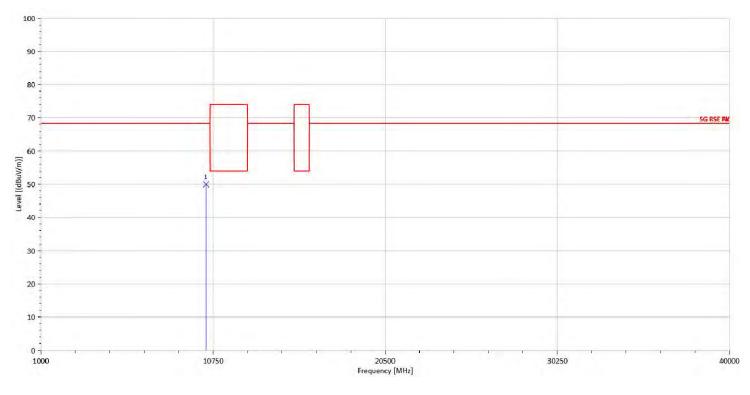


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802.11n20B1 Test Date: Operation Mode: 2018/1/16

Fundamental Frequency: 5180 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: Tx CH Low Test Engineer: Ashton EUT Pol.: Η Measurement Antenna Pol. : Horizontal



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|----------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 10360.00 | Н | Peak | 29.80 | 20.18 | 49.98 | 68.3 | -18.32 |

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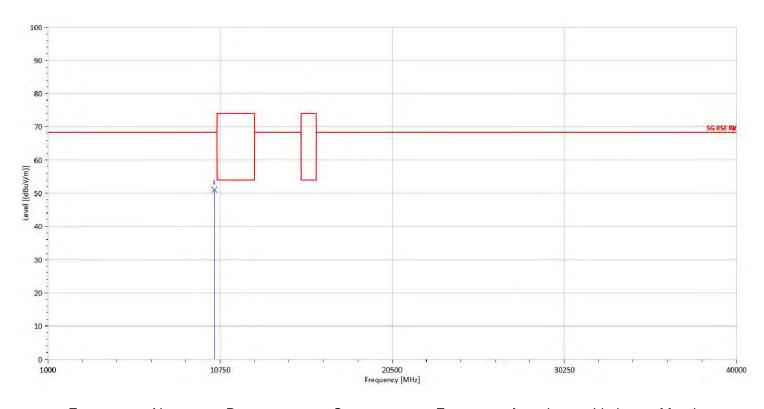


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802.11n20B1 Test Date: Operation Mode: 2018/1/16

Fundamental Frequency: 5220 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: Tx CH Mid Test Engineer: Ashton EUT Pol.: Η Measurement Antenna Pol. : Vertical



| | Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin | |
|---|----------|---------|----------|---------------|--------|--------|--------|--------|--|
| | | | Mode | Reading Level | | FS | @3m | | |
| _ | MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB | |
| _ | 10440.00 | Н | Peak | 30.78 | 20.29 | 51.07 | 68.3 | -17.23 | |

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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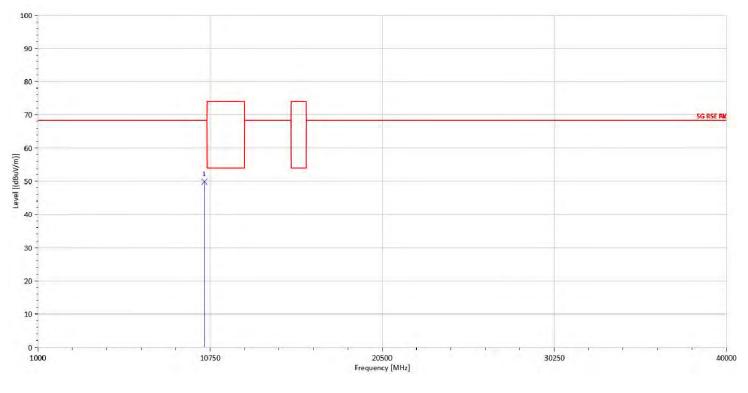


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802.11n20B1 Test Date: Operation Mode: 2018/1/16

Fundamental Frequency: 5220 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: Tx CH Mid Test Engineer: Ashton EUT Pol.: Η Measurement Antenna Pol. : Horizontal



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|----------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dBµV | dB | dBµV/m | dBµV/m | dB |
| 10440.00 | Н | Peak | 29.57 | 20.29 | 49.86 | 68.3 | -18.44 |

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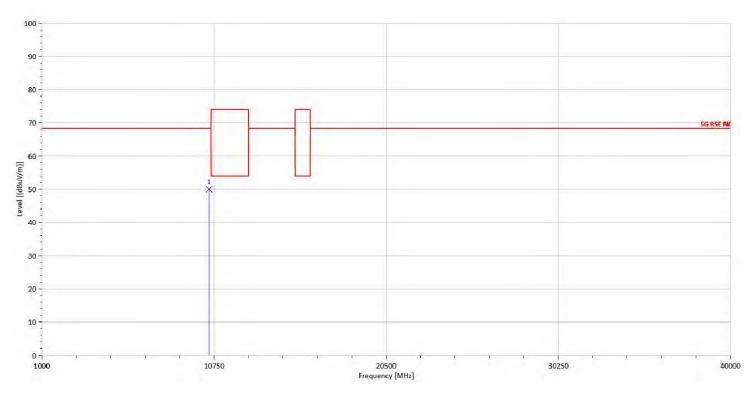


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802.11n20B1 Test Date: Operation Mode: 2018/1/16

Fundamental Frequency: 5240 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: Tx CH High Test Engineer: Ashton EUT Pol.: Н Measurement Antenna Pol. : Vertical



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|----------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 10480.00 | Н | Peak | 29.30 | 20.68 | 49.98 | 68.3 | -18.32 |

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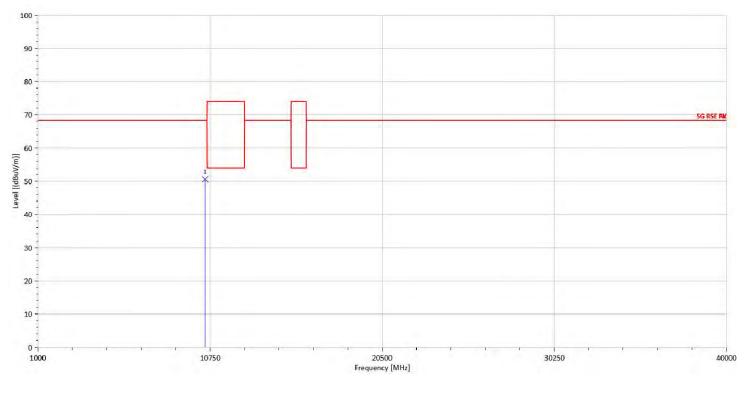


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802.11n20B1 Test Date: Operation Mode: 2018/1/16

Fundamental Frequency: 5240 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: Tx CH High Test Engineer: Ashton EUT Pol.: Н Measurement Antenna Pol. : Horizontal



| | Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|---|----------|---------|----------|---------------|--------|--------|--------|--------|
| | | | Mode | Reading Level | | FS | @3m | |
| _ | MHz | F/H/E/S | PK/QP/AV | dBµV | dB | dBµV/m | dBµV/m | dB |
| - | 10480.00 | Н | Peak | 29.91 | 20.68 | 50.59 | 68.3 | -17.71 |

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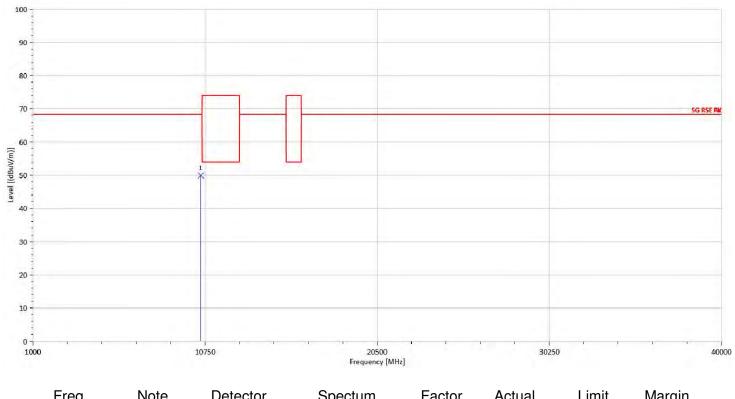
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Radiated Spurious Emission Measurement Result 802.11n HT20, 5250~5350 MHz

Operation Mode: 802.11n20B2 Test Date: 2018/1/16

Fundamental Frequency: 5260 MHz Temp. / Humi. : 22.7deg_C/57RH

Operation Band: Tx CH Low Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Н Vertical



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|----------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 10520.00 | Н | Peak | 29.85 | 20.10 | 49.95 | 68.3 | -18.35 |

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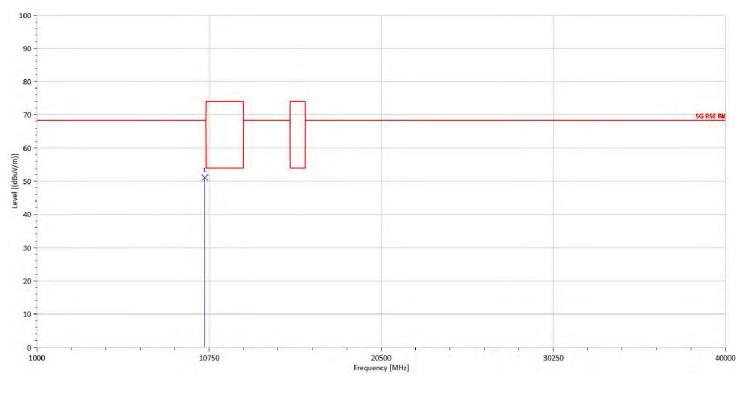


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802.11n20B2 Test Date: Operation Mode: 2018/1/16

Fundamental Frequency: 5260 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: Tx CH Low Test Engineer: Ashton EUT Pol.: Η Measurement Antenna Pol. : Horizontal



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|----------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dBµV | dB | dBµV/m | dBµV/m | dB |
| 10520.00 | Н | Peak | 31.00 | 20.10 | 51.10 | 68.3 | -17.20 |

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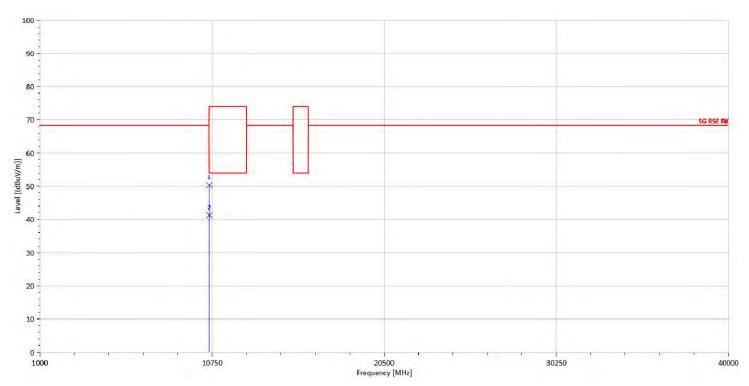


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802.11n20B2 Test Date: Operation Mode: 2018/1/16

Fundamental Frequency: 5300 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: Tx CH Mid Test Engineer: Ashton EUT Pol.: Η Measurement Antenna Pol. : Vertical



| Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|----------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| MHz | F/H/E/S | PK/QP/AV | dBµV | dB | dΒμV/m | dBµV/m | dB |
| 10600.00 | Н | Peak | 30.15 | 20.17 | 50.31 | 74 | -23.69 |
| 10600.00 | Н | Average | 21.11 | 20.17 | 41.28 | 54 | -12.72 |

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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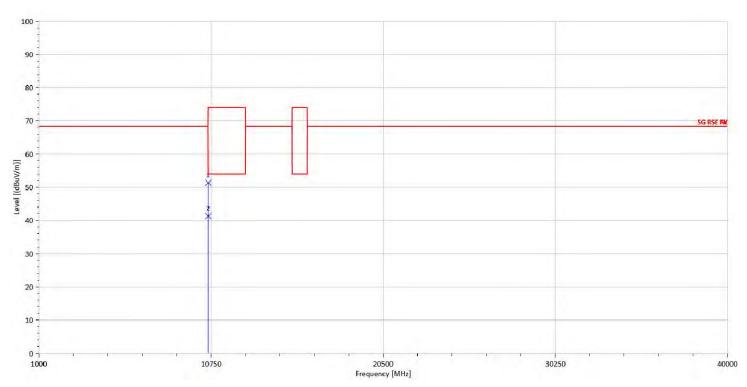


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802.11n20B2 Test Date: Operation Mode: 2018/1/16

Fundamental Frequency: 5300 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: Tx CH Mid Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Horizontal



| | Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|---|----------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| | MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dΒμV/m | dB |
| • | 10600.00 | Н | Peak | 31.19 | 20.17 | 51.35 | 74 | -22.65 |
| | 10600.00 | Н | Average | 21.13 | 20.17 | 41.30 | 54 | -12.70 |

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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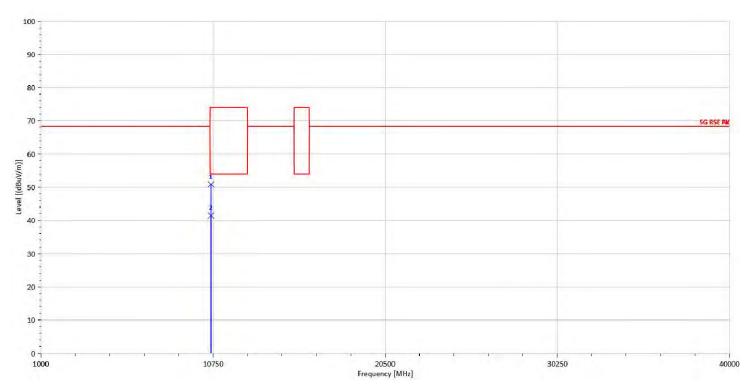


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802.11n20B2 Test Date: Operation Mode: 2018/1/16

Fundamental Frequency: 5320 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: Tx CH High Test Engineer: Ashton EUT Pol.: Н Measurement Antenna Pol. : Vertical



| Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|----------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 10640.00 | Н | Peak | 30.54 | 20.34 | 50.88 | 74 | -23.12 |
| 10640.00 | Н | Average | 21.13 | 20.34 | 41.47 | 54 | -12.53 |

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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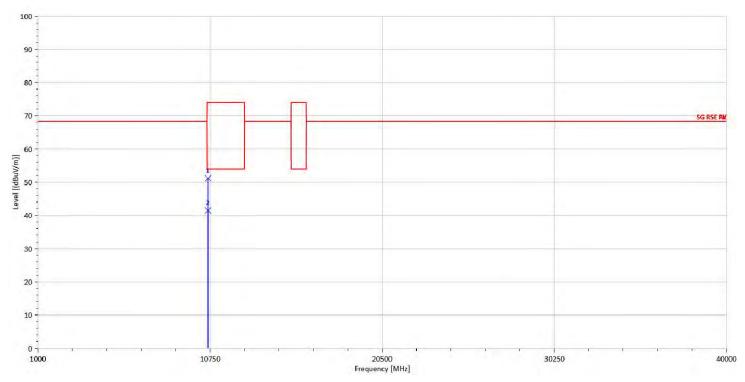


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802.11n20B2 Test Date: Operation Mode: 2018/1/16

Fundamental Frequency: 5320 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: Tx CH High Test Engineer: Ashton EUT Pol.: Н Measurement Antenna Pol. : Horizontal



| Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|----------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 10640.00 | Н | Peak | 30.85 | 20.34 | 51.20 | 74 | -22.80 |
| 10640.00 | Н | Average | 21.15 | 20.34 | 41.49 | 54 | -12.51 |

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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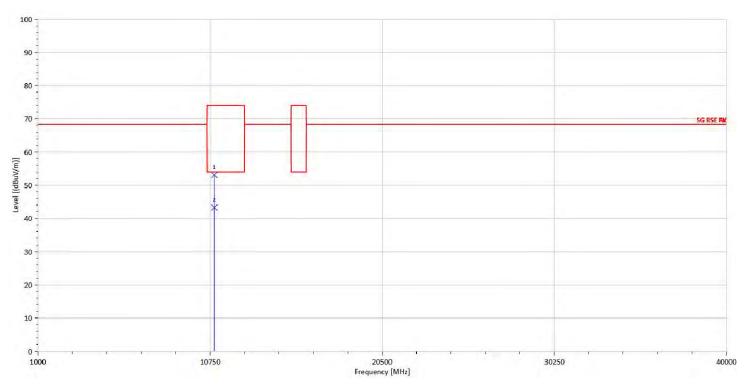
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Radiated Spurious Emission Measurement Result 802.11n HT20, 5470~5725 MHz

Operation Mode: 802.11n20B3 Test Date: 2018/1/16

Fundamental Frequency: 5500 MHz Temp. / Humi. : 22.7deg_C/57RH

Operation Band: Tx CH Low Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Н Vertical



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|----------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dBµV | dB | dBµV/m | dBµV/m | dB |
| 11000.00 | Н | Peak | 30.98 | 22.11 | 53.09 | 74 | -20.91 |
| 11000.00 | Н | Average | 21.18 | 22.11 | 43.29 | 54 | -10.71 |

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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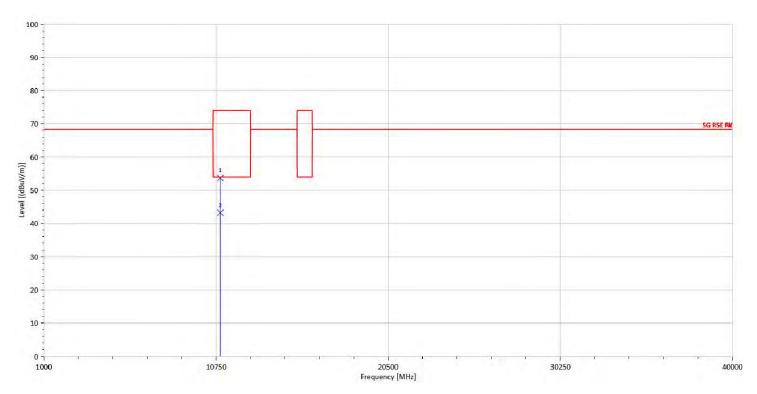


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802.11n20B3 Test Date: Operation Mode: 2018/1/16

Fundamental Frequency: 5500 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: Tx CH Low Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Horizontal



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|----------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 11000.00 | Н | Peak | 31.59 | 22.11 | 53.70 | 74 | -20.30 |
| 11000.00 | Н | Average | 21.12 | 22.11 | 43.23 | 54 | -10.77 |

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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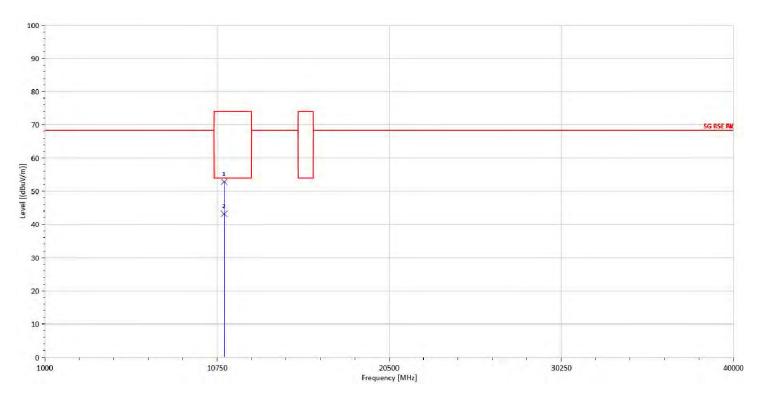


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802.11n20B3 Test Date: Operation Mode: 2018/1/16

Fundamental Frequency: 5580 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: Tx CH Mid Test Engineer: Ashton EUT Pol.: Η Measurement Antenna Pol. : Vertical



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|----------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dBµV | dB | dBµV/m | dBµV/m | dB |
| 11160.00 | Н | Peak | 30.78 | 22.04 | 52.82 | 74 | -21.18 |
| 11160.00 | Н | Average | 21.17 | 22.04 | 43.21 | 54 | -10.79 |

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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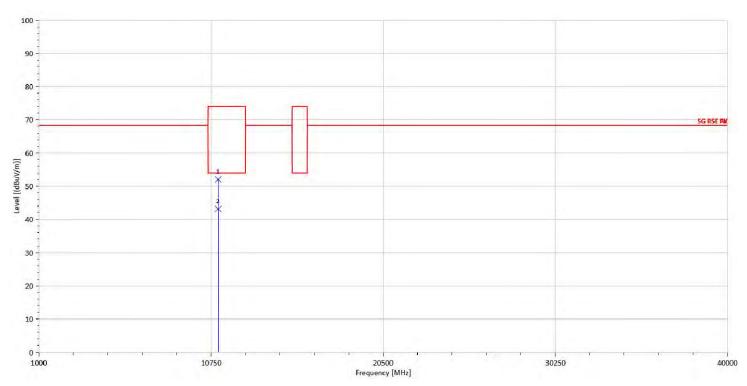


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802.11n20B3 Test Date: Operation Mode: 2018/1/16

Fundamental Frequency: 5580 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: Tx CH Mid Test Engineer: Ashton EUT Pol.: Η Measurement Antenna Pol. : Horizontal



| | Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|---|----------|---------|------------------|-----------------------|--------|--------------|---------------|--------|
| | MHz | F/H/E/S | Mode PK/QP/AV | Reading Level dBµV | dB | FS dBµV/m | @3m dBµV/m | dB |
| • | 11160.00 | Н | Peak | 30.01 | 22.04 | 52.04 | 74 | -21.96 |
| | 11160.00 | Н | Average | 21.11 | 22.04 | 43.15 | 54 | -10.85 |

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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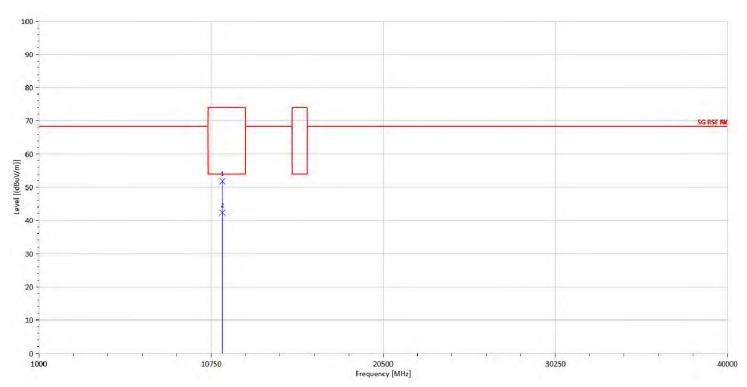


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802.11n20B3 Test Date: Operation Mode: 2018/1/16

Fundamental Frequency: 5700 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: Tx CH High Test Engineer: Ashton EUT Pol.: Н Measurement Antenna Pol. : Vertical



| | Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|---|----------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| | MHz | F/H/E/S | PK/QP/AV | dΒμ̈V | dB | dBµV/m | dBµV/m | dB |
| • | 11400.00 | Н | Peak | 30.57 | 21.22 | 51.79 | 74 | -22.21 |
| | 11400.00 | Н | Average | 21.12 | 21.22 | 42.34 | 54 | -11.66 |

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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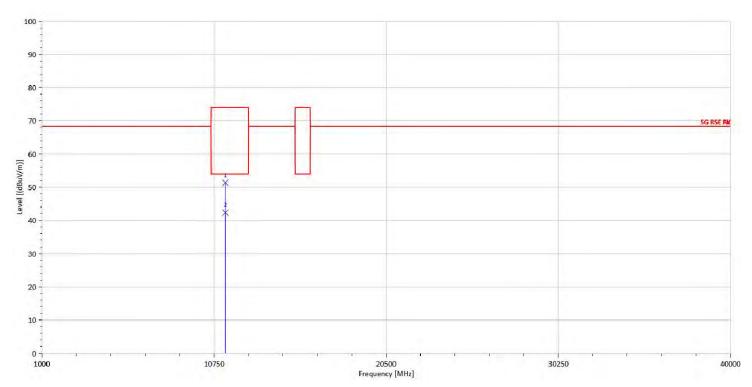


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802.11n20B3 Test Date: Operation Mode: 2018/1/16

Fundamental Frequency: 5700 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: Tx CH High Test Engineer: Ashton EUT Pol.: Н Measurement Antenna Pol. : Horizontal



| Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|----------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 11400.00 | Н | Peak | 30.16 | 21.22 | 51.37 | 74 | -22.63 |
| 11400.00 | Н | Average | 21.13 | 21.22 | 42.35 | 54 | -11.65 |

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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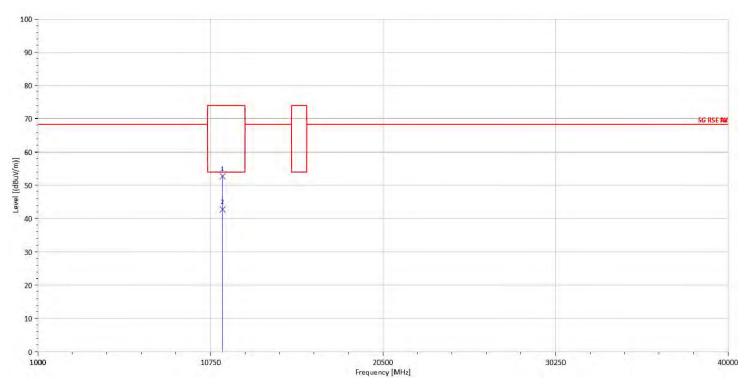


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Operation Mode: 802.11n20B3 Test Date: 2018/2/7

Fundamental Frequency: 5720 MHz Temp. / Humi.: 22.7deg_C/57RH

Operation Band: Tx CH High Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Vertical



| Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|----------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 11440.00 | Н | Peak | 31.33 | 21.39 | 52.73 | 74 | -21.27 |
| 11440.00 | Н | Average | 21.36 | 21.39 | 42.75 | 54 | -11.25 |

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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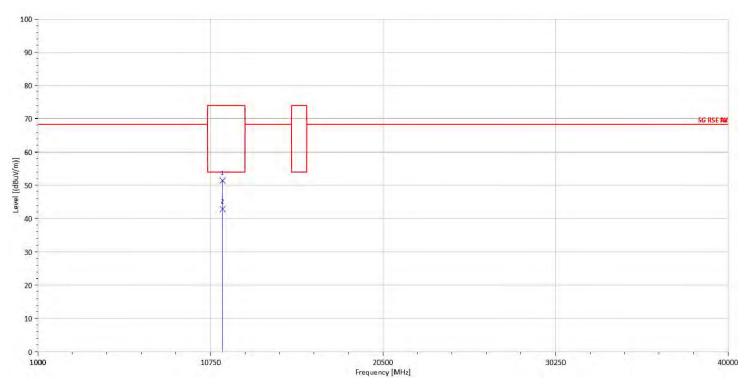


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Operation Mode: 802.11n20B3 Test Date: 2018/2/7

Fundamental Frequency: 5720 MHz Temp. / Humi.: 22.7deg_C/57RH

Operation Band: Tx CH High Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Horizontal



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|----------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 11440.00 | Н | Peak | 30.02 | 21.39 | 51.42 | 74 | -22.58 |
| 11440.00 | Н | Peak | 21.45 | 21.39 | 42.84 | 74 | -31.16 |

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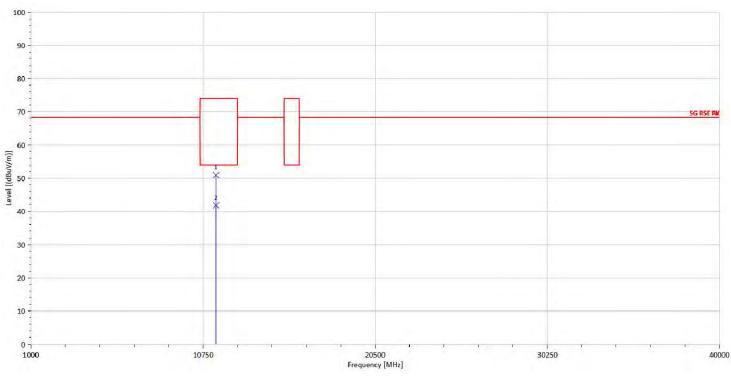
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Radiated Spurious Emission Measurement Result 802.11n HT20, 5725~5850 MHz

Operation Mode: 802.11n20B4 Test Date: 2018/1/16

Fundamental Frequency: Temp. / Humi.: 22.7deg C/57RH 5745 MHz

Operation Band: Tx CH Low Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Vertical



| Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin | |
|----------|---------|------------------|-----------------------|--------|--------------|--------------|--------|--|
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dΒμV/m | dB | |
| 11490.00 | Н | Peak | 30.23 | 20.70 | 50.93 | 74 | -23.07 | |
| 11490.00 | Н | Average | 21.15 | 20.70 | 41.85 | 54 | -12.15 | |

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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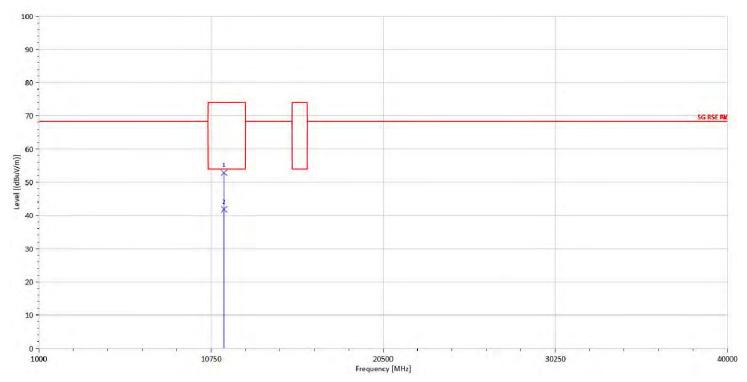


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802.11n20B4 Test Date: Operation Mode: 2018/1/16

Fundamental Frequency: 5745 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: Tx CH Low Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Horizontal



| Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|----------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 11490.00 | Н | Peak | 32.13 | 20.70 | 52.83 | 74 | -21.17 |
| 11490.00 | Н | Average | 21.14 | 20.70 | 41.84 | 54 | -12.16 |

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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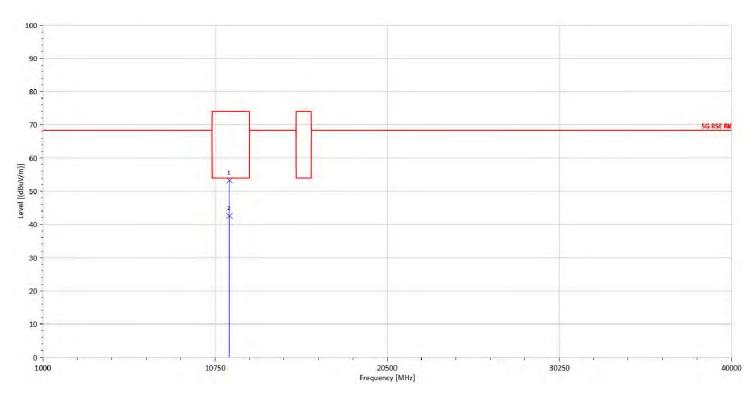


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802.11n20B4 Test Date: Operation Mode: 2018/1/16

Fundamental Frequency: 5785 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: Tx CH Mid Test Engineer: Ashton EUT Pol.: Η Measurement Antenna Pol. : Vertical



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|----------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 11570.00 | Н | Peak | 31.84 | 21.44 | 53.29 | 74 | -20.71 |
| 11570.00 | Н | Average | 21.12 | 21.44 | 42.56 | 54 | -11.44 |

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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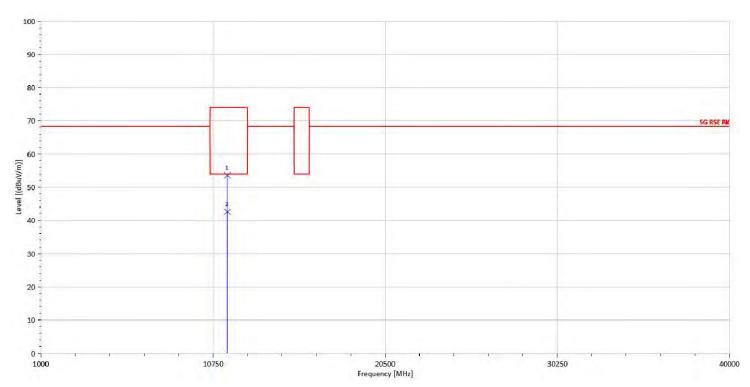


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802.11n20B4 Test Date: Operation Mode: 2018/1/16

Fundamental Frequency: 5785 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: Tx CH Mid Test Engineer: Ashton EUT Pol.: Η Measurement Antenna Pol. : Horizontal



| Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|----------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 11570.00 | Н | Peak | 32.12 | 21.44 | 53.57 | 74 | -20.43 |
| 11570.00 | Н | Average | 21.16 | 21.44 | 42.60 | 54 | -11.40 |

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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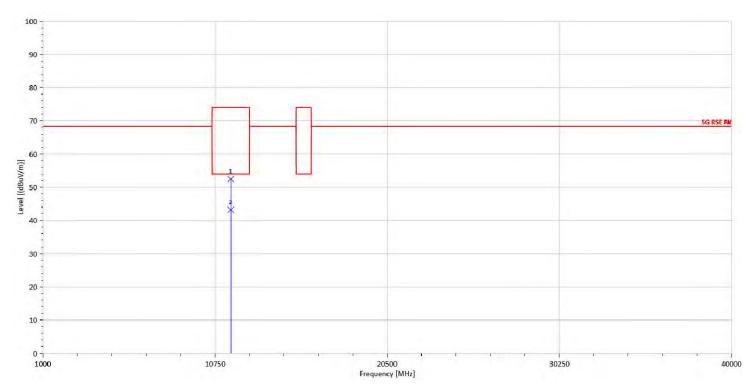


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802.11n20B4 Test Date: Operation Mode: 2018/1/16

Fundamental Frequency: 5825 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: Tx CH High Test Engineer: Ashton EUT Pol.: Н Measurement Antenna Pol. : Vertical



| Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|----------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 11650.00 | Н | Peak | 30.45 | 22.02 | 52.47 | 74 | -21.53 |
| 11650.00 | Н | Average | 21.18 | 22.02 | 43.20 | 54 | -10.80 |

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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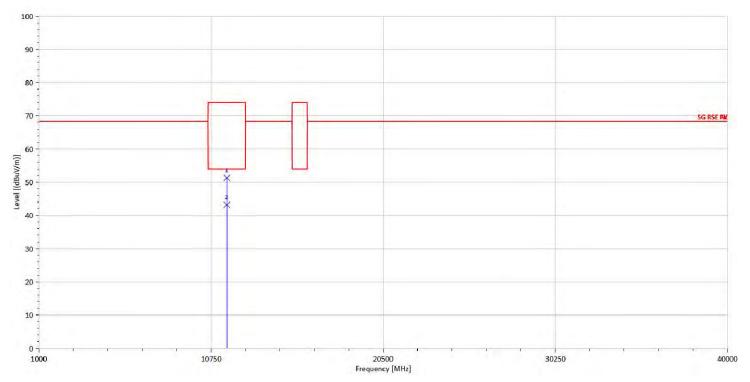


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802.11n20B4 Test Date: Operation Mode: 2018/1/16

Fundamental Frequency: 5825 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: Tx CH High Test Engineer: Ashton EUT Pol.: Н Measurement Antenna Pol. : Horizontal



| Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|----------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 11650.00 | Н | Peak | 29.31 | 22.02 | 51.33 | 74 | -22.67 |
| 11650.00 | Н | Average | 21.17 | 22.02 | 43.19 | 54 | -10.81 |

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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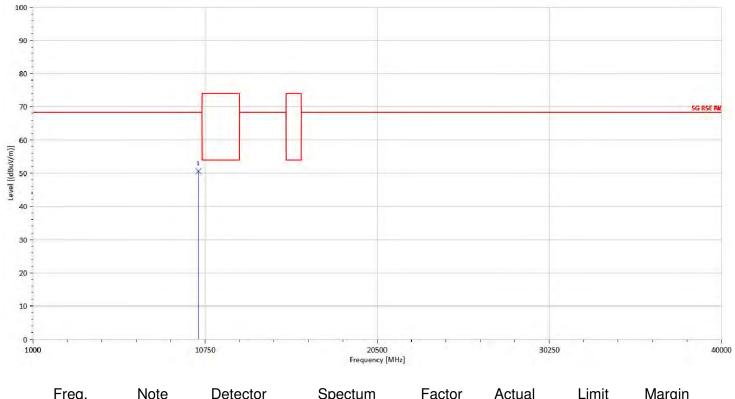
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Radiated Spurious Emission Measurement Result 802.11n HT40, 5150~5250 MHz

Operation Mode: 802.11n40B1 Test Date: 2018/1/16

Fundamental Frequency: 5190 MHz Temp. / Humi. : 22.7deg_C/57RH

Operation Band: Tx CH Low Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Н Vertical



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|----------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 10380.00 | Н | Peak | 29.67 | 20.95 | 50.63 | 68.3 | -17.67 |

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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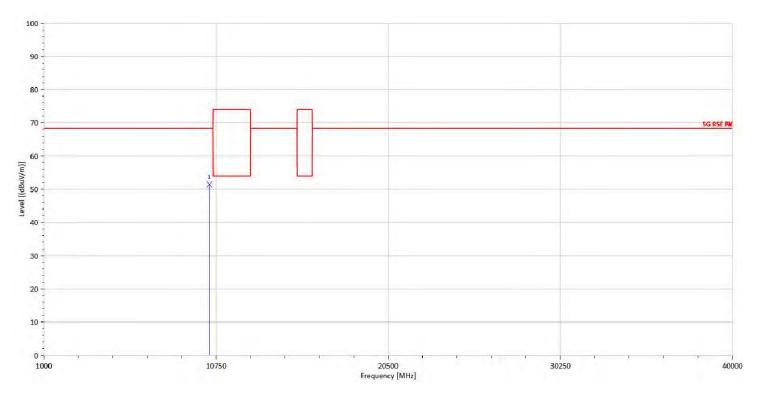


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Operation Mode: 802.11n40B1 Test Date: 2018/1/16

Fundamental Frequency: 5190 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: Tx CH Low Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Horizontal



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|----------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 10380.00 | Н | Peak | 30.51 | 20.95 | 51.46 | 68.3 | -16.84 |

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

t (886-2) 2299-3279

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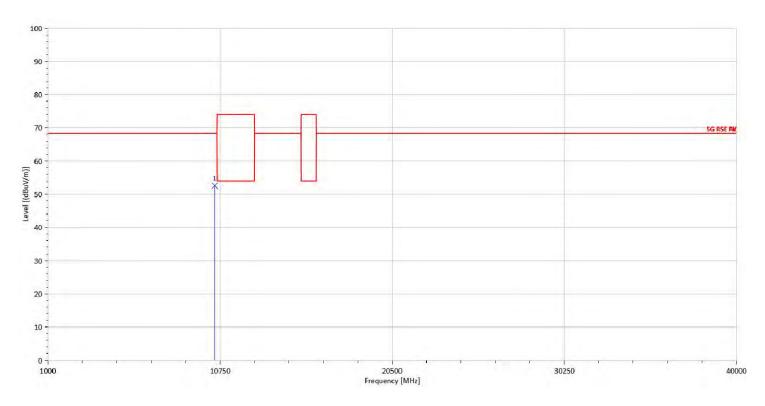


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802.11n40B1 Test Date: Operation Mode: 2018/1/16

Fundamental Frequency: 5230 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: Tx CH High Test Engineer: Ashton EUT Pol.: Н Measurement Antenna Pol. : Vertical



| | Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|---|----------|---------|----------|---------------|--------|--------|--------|--------|
| | | | Mode | Reading Level | | FS | @3m | |
| _ | MHz | F/H/E/S | PK/QP/AV | dBµV | dB | dBµV/m | dBµV/m | dB |
| - | 10460.00 | Н | Peak | 31.60 | 20.95 | 52.55 | 68.3 | -15.75 |

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

t (886-2) 2299-3279

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f (886-2) 2298-0488

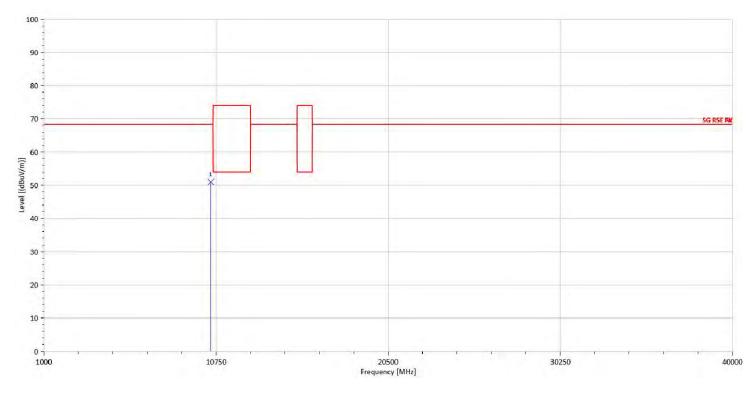


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802.11n40B1 Test Date: Operation Mode: 2018/1/16

Fundamental Frequency: 5230 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: Tx CH High Test Engineer: Ashton EUT Pol.: Н Measurement Antenna Pol. : Horizontal



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|----------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dBµV | dB | dBµV/m | dBµV/m | dB |
| 10460.00 | Н | Peak | 30.05 | 20.95 | 51.00 | 68.3 | -17.30 |

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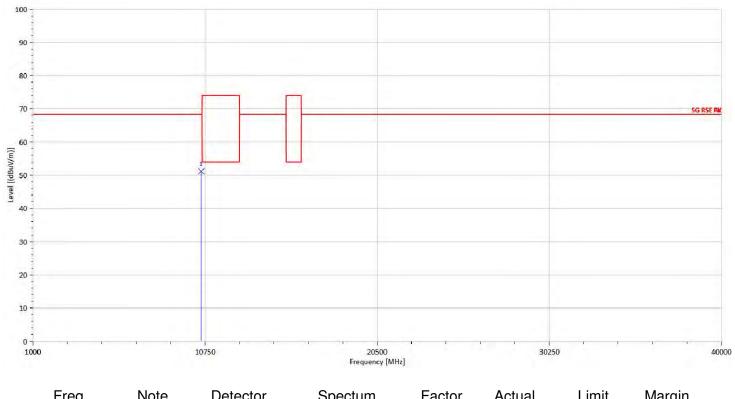
Page: 166 of 270

Radiated Spurious Emission Measurement Result 802.11n HT40, 5250~5350 MHz

Operation Mode: 802.11n40B2 Test Date: 2018/1/16

Fundamental Frequency: 5270 MHz Temp. / Humi. : 22.7deg_C/57RH

Operation Band: Tx CH Low Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Н Vertical



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|----------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dBµV | dB | dBµV/m | dBµV/m | dB |
| 10540.00 | Н | Peak | 31.14 | 20.06 | 51.20 | 68.3 | -17.10 |

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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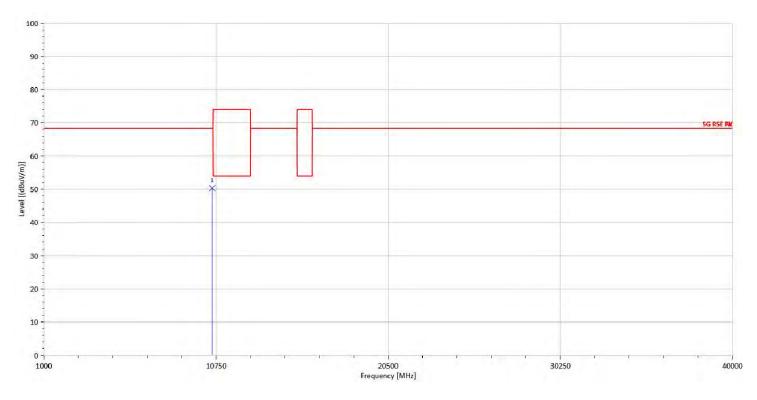


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802.11n40B2 Test Date: Operation Mode: 2018/1/16

Fundamental Frequency: 5270 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: Tx CH Low Test Engineer: Ashton EUT Pol.: Η Measurement Antenna Pol. : Horizontal



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|----------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 10540.00 | Н | Peak | 30.25 | 20.06 | 50.32 | 68.3 | -17.98 |

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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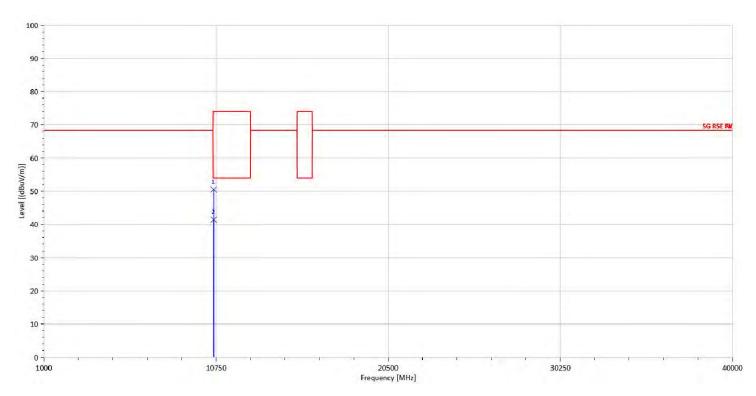


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802.11n40B2 Test Date: Operation Mode: 2018/1/16

Fundamental Frequency: 5310 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: Tx CH High Test Engineer: Ashton EUT Pol.: Н Measurement Antenna Pol. : Vertical



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|----------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 10620.00 | Н | Peak | 30.22 | 20.29 | 50.51 | 74 | -23.49 |
| 10620.00 | Н | Average | 21.15 | 20.29 | 41.44 | 54 | -12.56 |

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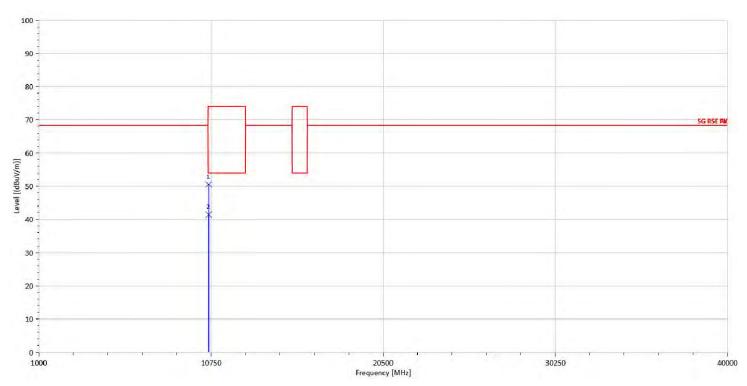


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802.11n40B2 Test Date: Operation Mode: 2018/1/16

Fundamental Frequency: 5310 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: Tx CH High Test Engineer: Ashton EUT Pol.: Н Measurement Antenna Pol. : Horizontal



| | Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|---|----------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| | MHz | F/H/E/S | PK/QP/AV | dBµV | dB | dΒμV/m | dBµV/m | dB |
| _ | 10620.00 | Н | Peak | 30.26 | 20.29 | 50.55 | 74 | -23.45 |
| | 10620.00 | Н | Average | 21.17 | 20.29 | 41.46 | 54 | -12.54 |

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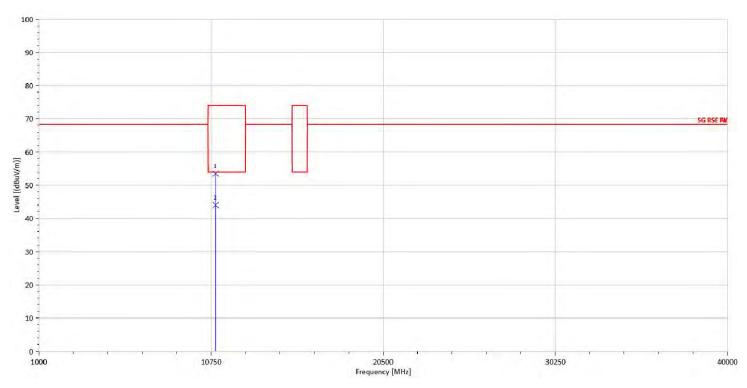
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Radiated Spurious Emission Measurement Result 802.11n HT40, 5470~5725 MHz

Operation Mode: 802.11n40B3 Test Date: 2018/1/16

Fundamental Frequency: 5510 MHz Temp. / Humi. : 22.7deg_C/57RH

Operation Band: Tx CH Low Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Н Vertical



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|----------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dBµV | dB | dBµV/m | dBµV/m | dB |
| 11020.00 | Н | Peak | 30.60 | 22.90 | 53.50 | 74 | -20.50 |
| 11020.00 | Н | Average | 21.12 | 22.90 | 44.02 | 54 | -9.98 |

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

t (886-2) 2299-3279

Unless otherwise stated the results shown in this test report refer only to the samplest tested and such as the provided of the samplest tested and such as the provided of the samplest tested and such as the provided of the samplest tested and such as t may be prosecuted to the fullest extent of the law.

f (886-2) 2298-0488

| No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

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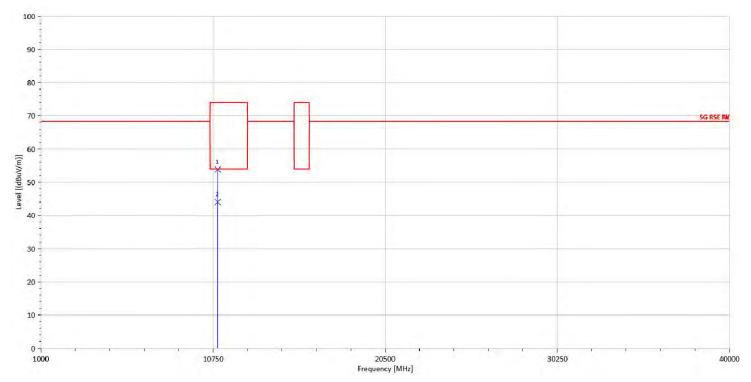


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802.11n40B3 Test Date: Operation Mode: 2018/1/16

Fundamental Frequency: 5510 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: Tx CH Low Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Horizontal



| | Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|---|----------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| | MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| • | 11020.00 | Н | Peak | 30.94 | 22.90 | 53.84 | 74 | -20.16 |
| | 11020.00 | Н | Average | 21.13 | 22.90 | 44.03 | 54 | -9.97 |

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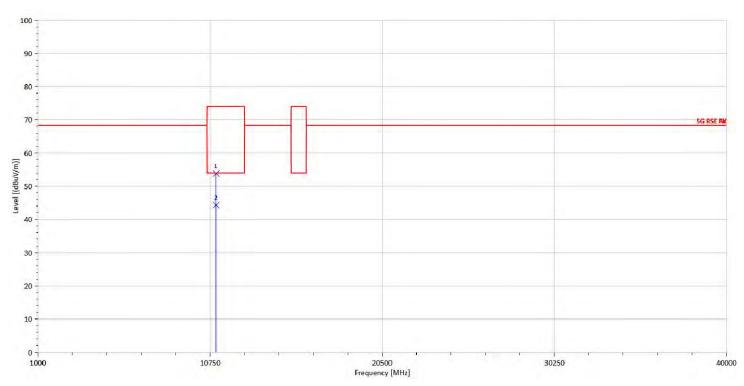


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802.11n40B3 Test Date: Operation Mode: 2018/1/16

Fundamental Frequency: 5550 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: Tx CH Mid Test Engineer: Ashton EUT Pol.: Η Measurement Antenna Pol. : Vertical



| Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|----------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| MHz | F/H/E/S | PK/QP/AV | dBµV | dB | dBµV/m | dBµV/m | dB |
| 11100.00 | Н | Peak | 30.65 | 23.16 | 53.82 | 74 | -20.18 |
| 11100.00 | Н | Average | 21.16 | 23.16 | 44.32 | 54 | -9.68 |

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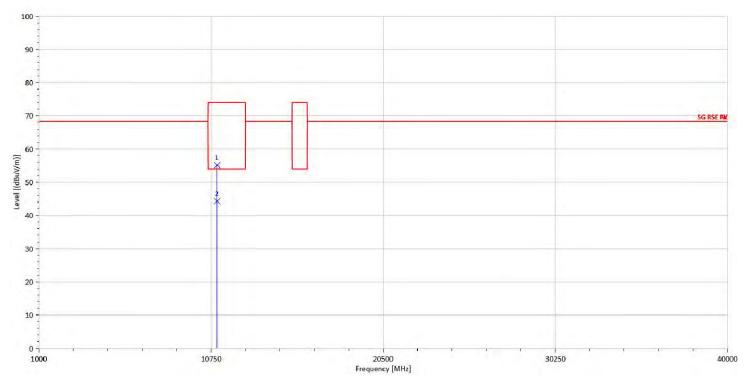


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802.11n40B3 Test Date: Operation Mode: 2018/1/16

Fundamental Frequency: 5550 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: Tx CH Mid Test Engineer: Ashton EUT Pol.: Η Measurement Antenna Pol. : Horizontal



| Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|----------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 11100.00 | Н | Peak | 31.96 | 23.16 | 55.12 | 74 | -18.88 |
| 11100.00 | Н | Average | 21.15 | 23.16 | 44.31 | 54 | -9.69 |

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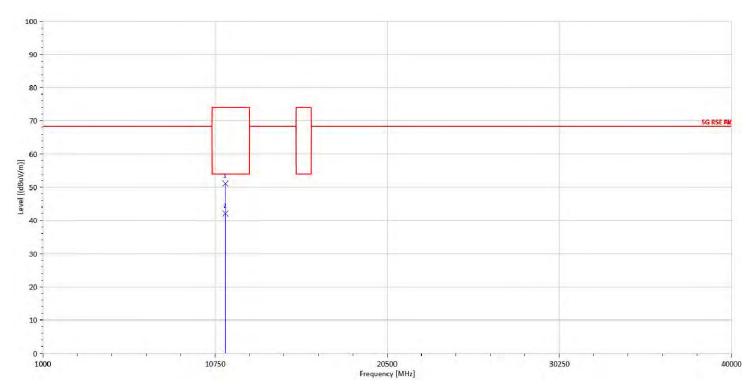


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802.11n40B3 Test Date: Operation Mode: 2018/1/16

Fundamental Frequency: 5670 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: Tx CH High Test Engineer: Ashton EUT Pol.: Н Measurement Antenna Pol. : Vertical



| Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|----------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 11340.00 | Н | Peak | 30.15 | 20.97 | 51.12 | 74 | -22.88 |
| 11340.00 | Н | Average | 21.13 | 20.97 | 42.10 | 54 | -11.90 |

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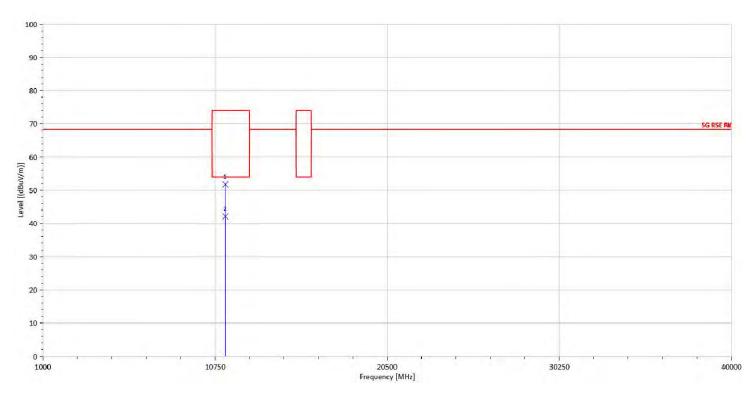


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802.11n40B3 Test Date: Operation Mode: 2018/1/16

Fundamental Frequency: 5670 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: Tx CH High Test Engineer: Ashton EUT Pol.: Н Measurement Antenna Pol. : Horizontal



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|----------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 11340.00 | Н | Peak | 30.80 | 20.97 | 51.76 | 74 | -22.24 |
| 11340.00 | Н | Average | 21.16 | 20.97 | 42.13 | 54 | -11.87 |

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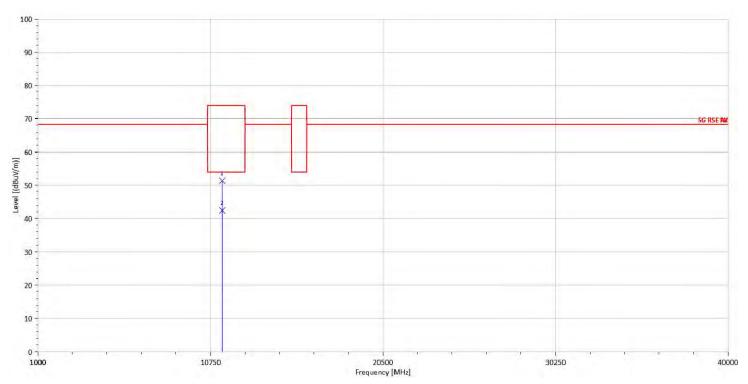


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Operation Mode: 802.11n40B3 Test Date: 2018/2/7

Fundamental Frequency: 5710 MHz Temp. / Humi.: 22.7deg_C/57RH

Operation Band: Tx CH High Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Vertical



| Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin | |
|----------|---------|------------------|--------------------------|--------|--------------|--------------|--------|--|
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB | |
| 11420.00 | Н | Peak | 30.28 | 21.09 | 51.37 | 74 | -22.63 | |
| 11420.00 | Н | Average | 21.38 | 21.09 | 42.47 | 54 | -11.53 | |

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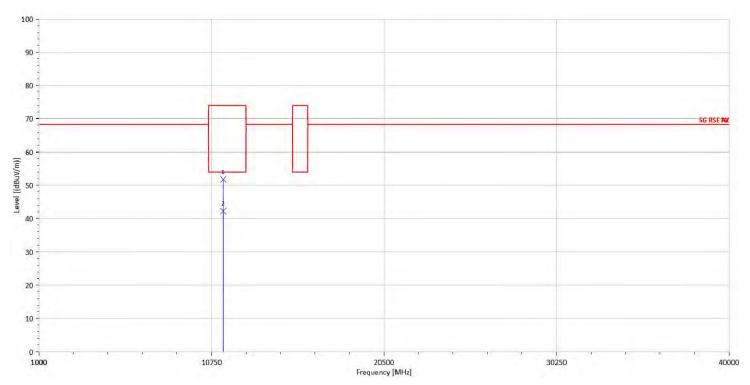


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Operation Mode: 802.11n40B3 Test Date: 2018/2/7

Fundamental Frequency: 5710 MHz Temp. / Humi.: 22.7deg_C/57RH

Operation Band: Tx CH High Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Horizontal



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|----------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 11420.00 | Н | Peak | 30.69 | 21.09 | 51.78 | 74 | -22.22 |
| 11420.00 | Н | Average | 21.16 | 21.09 | 42.25 | 54 | -11.75 |

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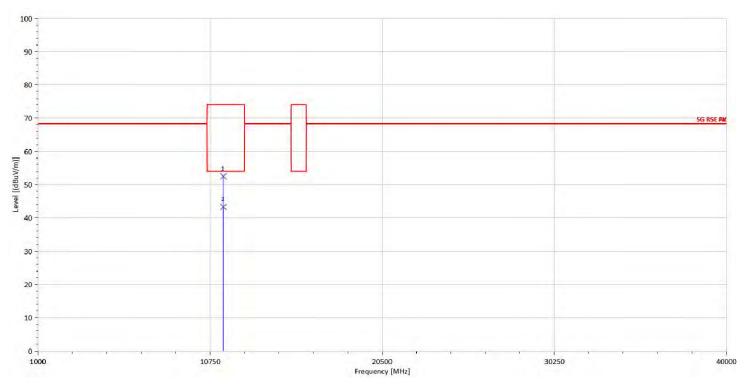
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Radiated Spurious Emission Measurement Result 802.11n HT40, 5725~5850 MHz

Operation Mode: 802.11n40B4 Test Date: 2018/1/16

Temp. / Humi.: Fundamental Frequency: 5755 MHz 22.7deg_C/57RH

Operation Band: Tx CH Low Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Н Vertical



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|----------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 11510.00 | Н | Peak | 30.34 | 22.17 | 52.50 | 74 | -21.50 |
| 11510.00 | Н | Peak | 21.11 | 22.17 | 43.28 | 74 | -30.72 |

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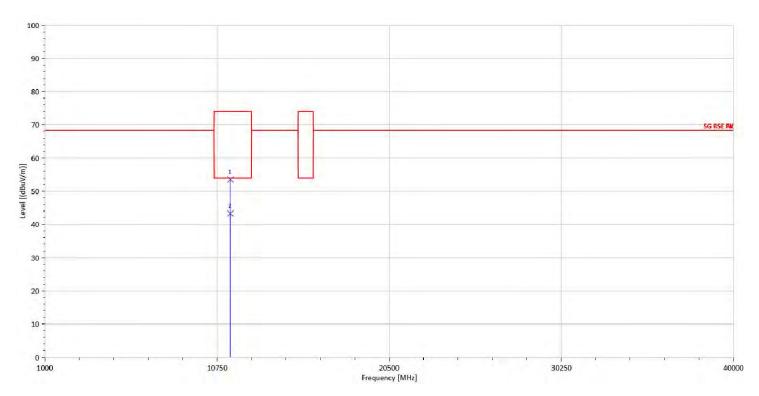


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802.11n40B4 Test Date: Operation Mode: 2018/1/16

Fundamental Frequency: 5755 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: Tx CH Low Test Engineer: Ashton EUT Pol.: Η Measurement Antenna Pol. : Horizontal



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|----------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 11510.00 | Н | Peak | 31.37 | 22.17 | 53.53 | 74 | -20.47 |
| 11510.00 | Н | Average | 21.13 | 22.17 | 43.30 | 54 | -10.70 |

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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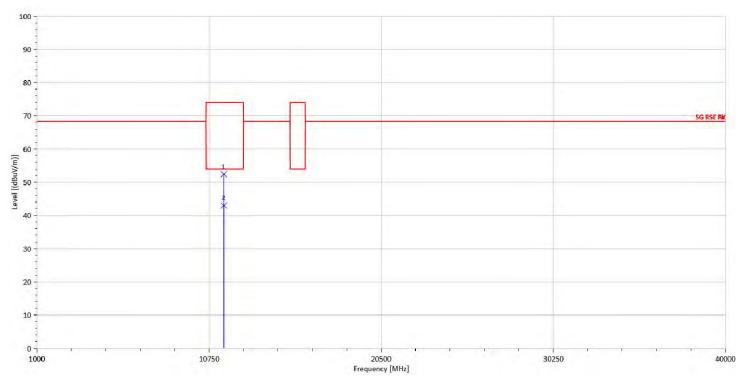


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802.11n40B4 Test Date: Operation Mode: 2018/1/16

Fundamental Frequency: 5795 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: Tx CH High Test Engineer: Ashton EUT Pol.: Н Measurement Antenna Pol. : Vertical



| | Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|---|----------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| | MHz | F/H/E/S | PK/QP/AV | dΒμ̈V | dB | dBµV/m | dBµV/m | dB |
| • | 11590.00 | Н | Peak | 30.59 | 21.84 | 52.44 | 74 | -21.56 |
| | 11590.00 | Н | Average | 21.16 | 21.84 | 43.00 | 54 | -11.00 |

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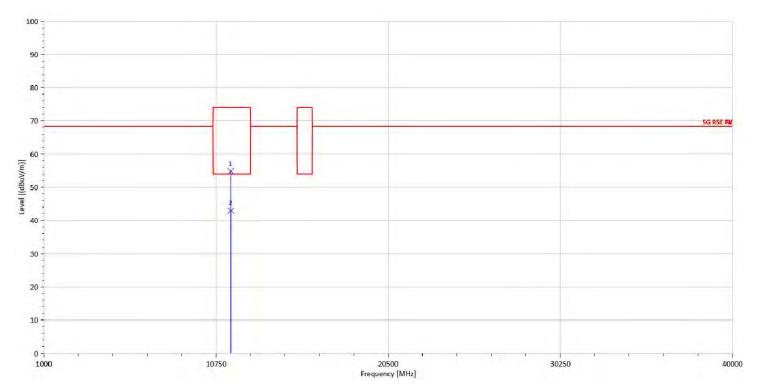


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802.11n40B4 Test Date: Operation Mode: 2018/1/16

Fundamental Frequency: 5795 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: Tx CH High Test Engineer: Ashton EUT Pol.: Н Measurement Antenna Pol. : Horizontal



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|----------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 11590.00 | Н | Peak | 32.98 | 21.84 | 54.83 | 74 | -19.17 |
| 11590.00 | Н | Average | 21.12 | 21.84 | 42.96 | 54 | -11.04 |

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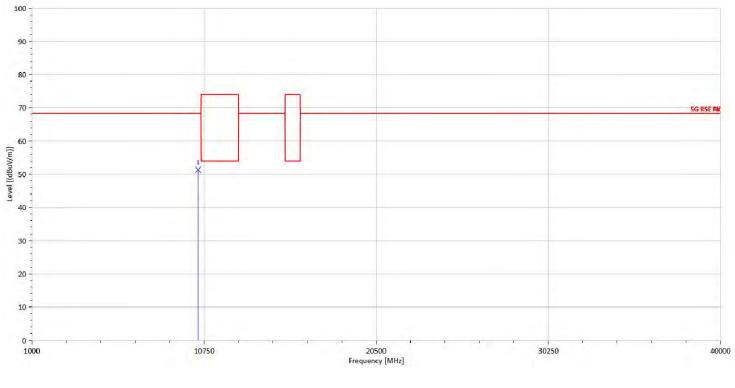
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Radiated Spurious Emission Measurement Result 802.11ac VHT80, 5150~5250 MHz

Operation Mode: 802.11ac80B1 Test Date: 2018/1/16

Fundamental Frequency: 5210 MHz Temp. / Humi.: 22.7deg_C/57RH

Operation Band: Tx CH Low Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Vertical



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|----------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dBµV | dB | dBµV/m | dBµV/m | dB |
| 10420.00 | Н | Peak | 30.68 | 20.67 | 51.35 | 68.3 | -16.95 |

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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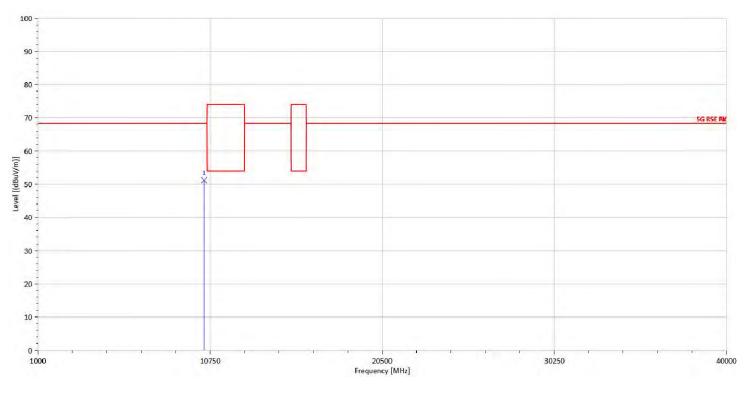


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Operation Mode: 802.11ac80B1 Test Date: 2018/1/16

Fundamental Frequency: 5210 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: Test Engineer: Tx CH Low Ashton EUT Pol.: Measurement Antenna Pol. : Horizontal



| | Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|---|----------|---------|----------|---------------|--------|--------|--------|--------|
| | | | Mode | Reading Level | | FS | @3m | |
| | MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| - | 10420.00 | Н | Peak | 30.52 | 20.67 | 51.19 | 68.3 | -17.11 |

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

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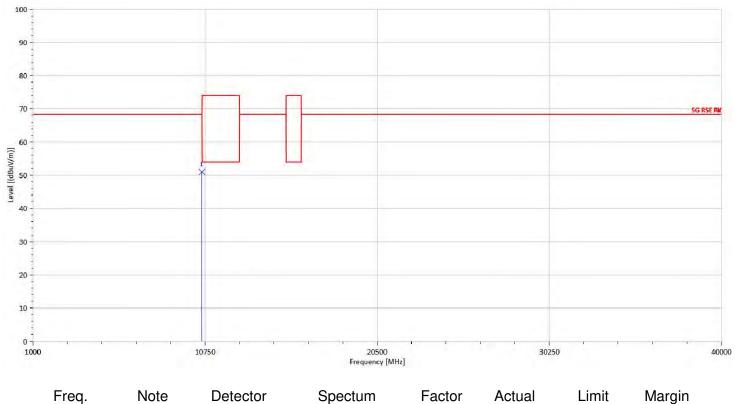
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Radiated Spurious Emission Measurement Result 802.11ac VHT80, 5250~5350 MHz

Operation Mode: 802.11ac80B2 Test Date: 2018/1/16

Fundamental Frequency: 5290 MHz Temp. / Humi.: 22.7deg_C/57RH

Operation Band: Tx CH High Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Vertical



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|----------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dBµV | dB | dBµV/m | dBµV/m | dB |
| 10580.00 | Н | Peak | 30.87 | 20.12 | 50.99 | 68.3 | -17.31 |

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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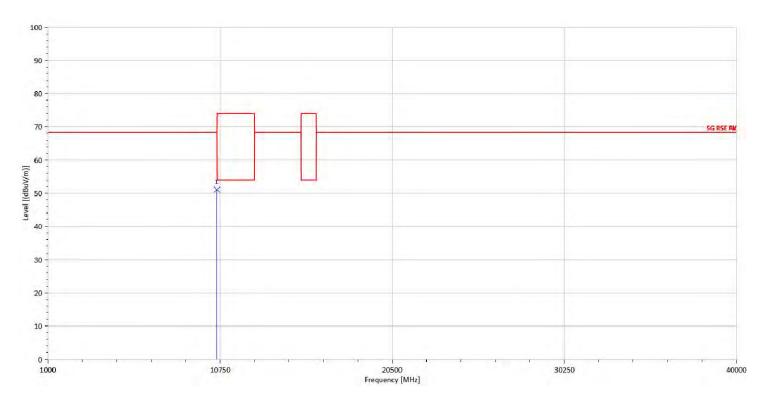


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Operation Mode: 802.11ac80B2 Test Date: 2018/1/16

Fundamental Frequency: 5290 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: Tx CH High Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Horizontal



| | Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin | |
|---|----------|---------|----------|---------------|--------|--------|--------|--------|--|
| | | | Mode | Reading Level | | FS | @3m | | |
| _ | MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB | |
| _ | 10580.00 | Н | Peak | 30.96 | 20.12 | 51.08 | 68.3 | -17.22 | |

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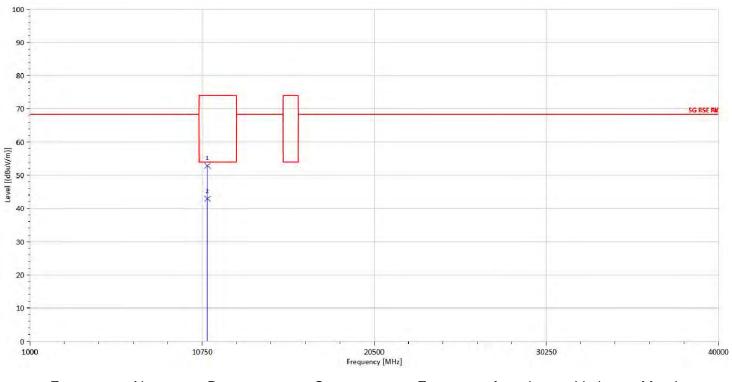
Page: 186 of 270

Radiated Spurious Emission Measurement Result 802.11ac VHT80, 5470~5725 MHz

Operation Mode: 802.11ac80B3 Test Date: 2018/1/16

Fundamental Frequency: 5530 MHz Temp. / Humi.: 22.7deg_C/57RH

Operation Band: Tx CH Low Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Vertical



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|----------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dBµV | dB | dBµV/m | dBµV/m | dB |
| 11060.00 | Н | Peak | 31.02 | 21.83 | 52.85 | 74 | -21.15 |
| 11060.00 | Н | Average | 21.11 | 21.83 | 42.94 | 54 | -11.06 |

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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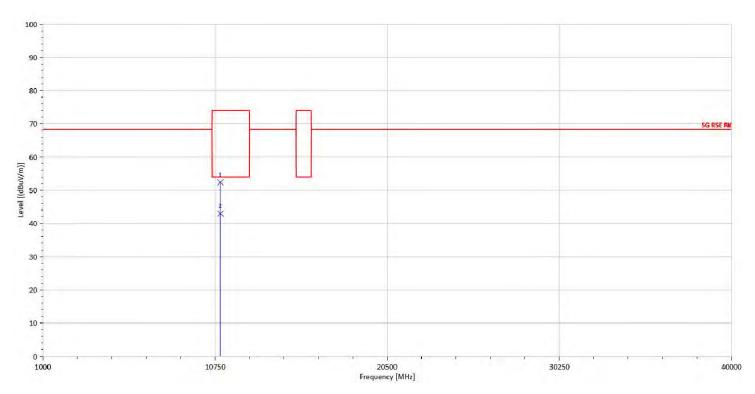


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Operation Mode: 802.11ac80B3 Test Date: 2018/1/16

Fundamental Frequency: 5530 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: Tx CH Low Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Horizontal



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|----------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 11060.00 | Н | Peak | 30.55 | 21.83 | 52.39 | 74 | -21.61 |
| 11060.00 | Н | Average | 21.14 | 21.83 | 42.97 | 54 | -11.03 |

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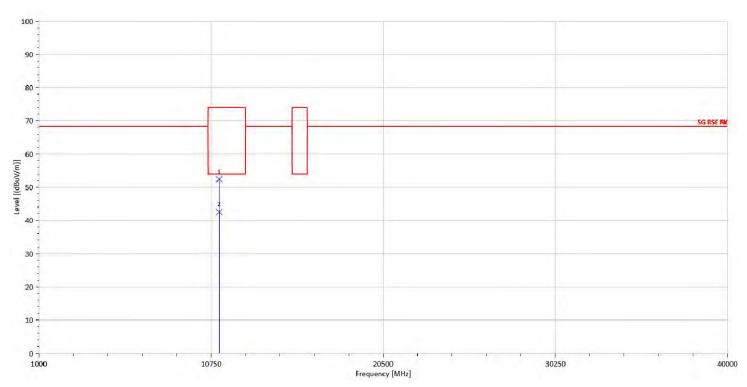


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Operation Mode: 802.11ac80B3 Test Date: 2018/1/16

Fundamental Frequency: 5610 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: Tx CH Mid Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Vertical



| | Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|---|----------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| | MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| • | 11220.00 | Н | Peak | 31.09 | 21.32 | 52.41 | 74 | -21.59 |
| | 11220.00 | Н | Average | 21.18 | 21.32 | 42.50 | 54 | -11.50 |

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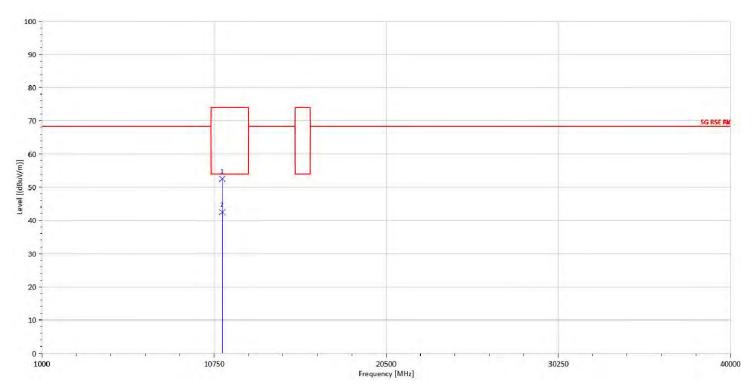


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Operation Mode: 802.11ac80B3 Test Date: 2018/1/16

Fundamental Frequency: 5610 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: Tx CH Mid Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Horizontal



| Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|----------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 11220.00 | Н | Peak | 31.20 | 21.32 | 52.52 | 74 | -21.48 |
| 11220.00 | Н | Average | 21.15 | 21.32 | 42.47 | 54 | -11.53 |

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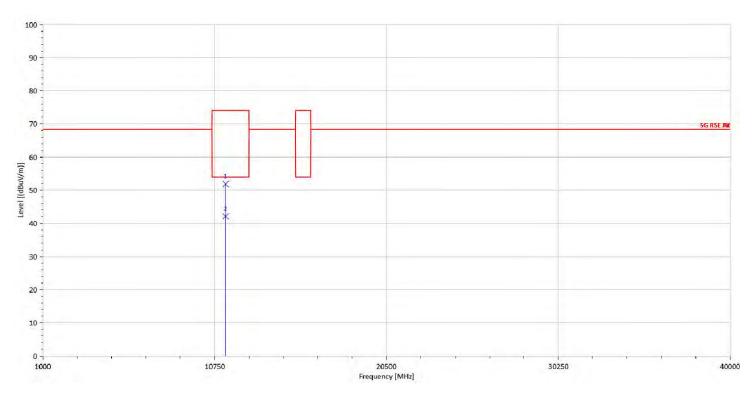


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Operation Mode: 802.11ac80B3 Test Date: 2018/1/16

Fundamental Frequency: 5690 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: Tx CH High Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Vertical



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|----------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 11380.00 | Н | Peak | 30.91 | 20.97 | 51.88 | 74 | -22.12 |
| 11380.00 | Н | Average | 21.14 | 20.97 | 42.11 | 54 | -11.89 |

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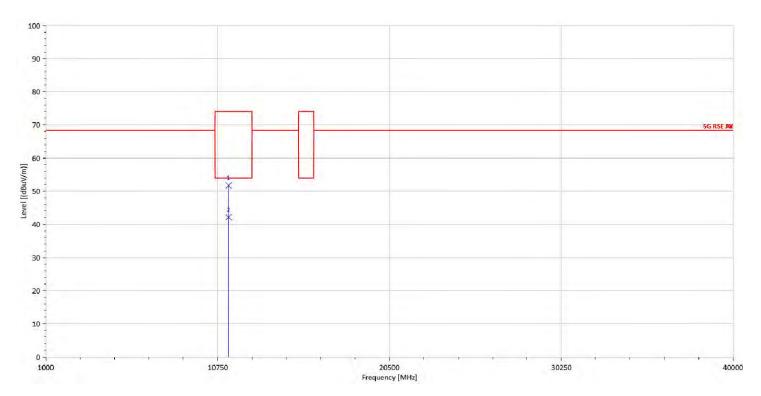


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Operation Mode: 802.11ac80B3 Test Date: 2018/1/16

Fundamental Frequency: 5690 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: Tx CH High Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Horizontal



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|----------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 11380.00 | Н | Peak | 30.77 | 20.97 | 51.73 | 74 | -22.27 |
| 11380.00 | Н | Average | 21.18 | 20.97 | 42.15 | 54 | -11.85 |

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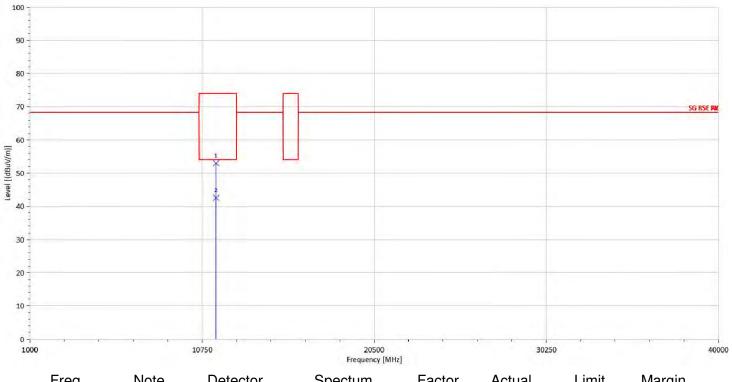
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Radiated Spurious Emission Measurement Result 802.11ac VHT80, 5725~5850 MHz

Operation Mode: Test Date: 802.11ac80B4 2018/1/16

Fundamental Frequency: 5775 MHz Temp. / Humi.: 22.7deg C/57RH

Operation Band: Tx CH Low Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Vertical



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|----------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dBµV | dB | dBµV/m | dBµV/m | dB |
| 11550.00 | Н | Peak | 31.57 | 21.41 | 52.99 | 74 | -21.01 |
| 11550.00 | Н | Average | 21.13 | 21.41 | 42.54 | 54 | -11.46 |

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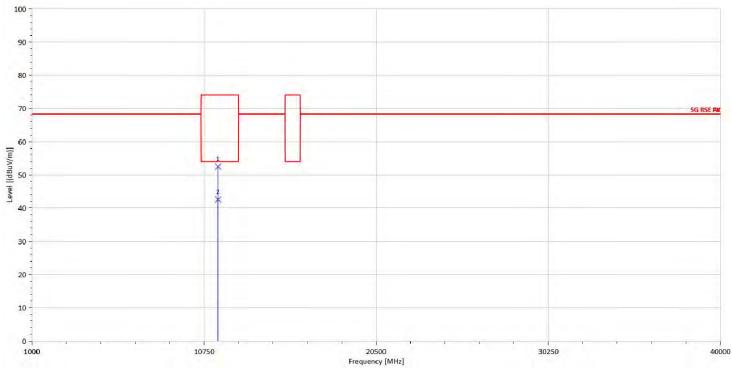


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802.11ac80B4 Test Date: Operation Mode: 2018/1/16

Fundamental Frequency: Temp. / Humi. : 5775 MHz 22.7deg_C/57RH

Operation Band: Test Engineer: Tx CH Low Ashton EUT Pol.: Н Measurement Antenna Pol. : Horizontal



| Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|----------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 11550.00 | Н | Peak | 31.07 | 21.41 | 52.49 | 74 | -21.51 |
| 11550.00 | Н | Average | 21.17 | 21.41 | 42.58 | 54 | -11.42 |

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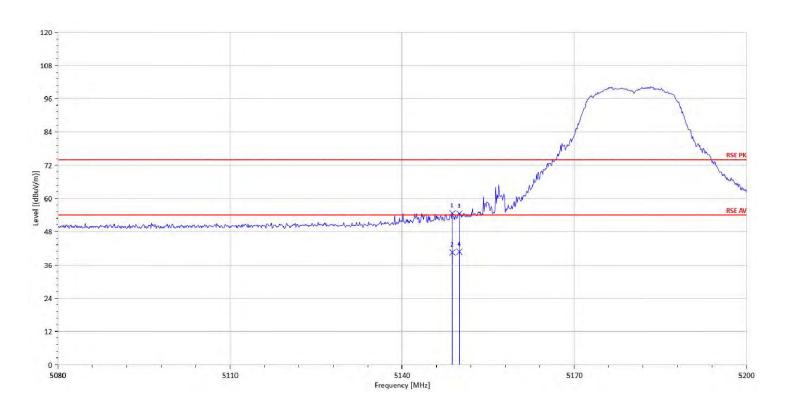
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Band edge falling to restricted band 802.11a mode

Operation Mode: 802.11aB1 Test Date: 2018/1/12

Fundamental Frequency: 5180 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: BE CH LOW Test Engineer: Enzo EUT Pol.: Measurement Antenna Pol. : Vertical



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|---------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 5148.76 | S | Peak | 46.55 | 8.18 | 54.73 | 74 | -19.27 |
| 5148.76 | S | Average | 32.35 | 8.18 | 40.53 | 54 | -13.47 |
| 5150.00 | E | Peak | 46.35 | 8.19 | 54.54 | 74 | -19.46 |
| 5150.00 | Е | Average | 32.57 | 8.19 | 40.76 | 54 | -13.24 |

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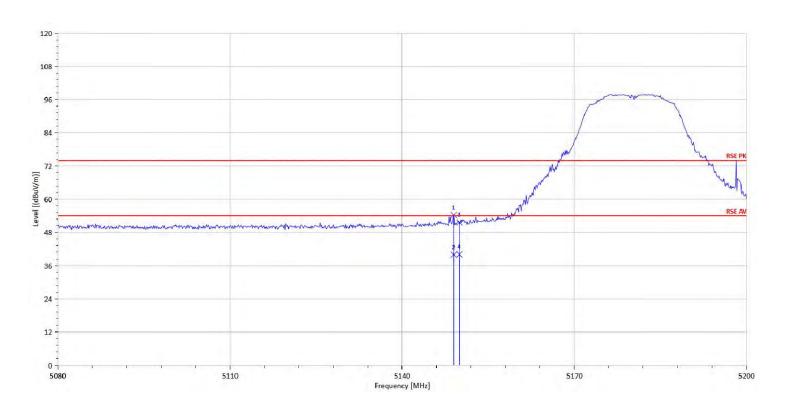


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Operation Mode: Test Date: 802.11aB1 2018/1/12

Fundamental Frequency: 5180 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: BE CH LOW Test Engineer: Enzo EUT Pol.: Measurement Antenna Pol. : Η Horizontal



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|---------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 5149.00 | S | Peak | 46.11 | 8.19 | 54.29 | 74 | -19.71 |
| 5149.00 | S | Average | 31.77 | 8.19 | 39.96 | 54 | -14.04 |
| 5150.00 | Е | Peak | 43.41 | 8.19 | 51.61 | 74 | -22.39 |
| 5150.00 | Е | Average | 31.87 | 8.19 | 40.06 | 54 | -13.94 |

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SGS Taiwan Ltd. No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

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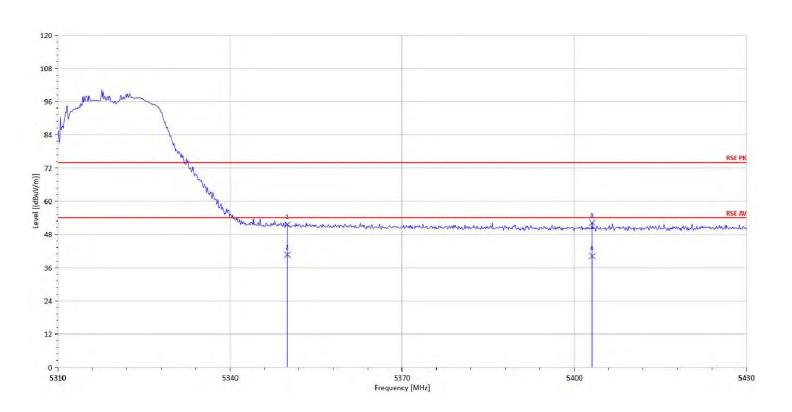


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Operation Mode: 802.11aB2 Test Date: 2018/1/12

Fundamental Frequency: 5320 MHz Temp. / Humi. : 22.7deg_C/57RH

Operation Band: Test Engineer: BE CH HIGH Enzo EUT Pol.: Measurement Antenna Pol. : Vertical



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|---------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 5350.00 | E | Peak | 42.66 | 8.96 | 51.62 | 74 | -22.38 |
| 5350.00 | E | Average | 31.71 | 8.96 | 40.67 | 54 | -13.33 |
| 5403.12 | S | Peak | 43.44 | 8.81 | 52.25 | 74 | -21.75 |
| 5403.12 | S | Average | 31.37 | 8.81 | 40.18 | 54 | -13.82 |

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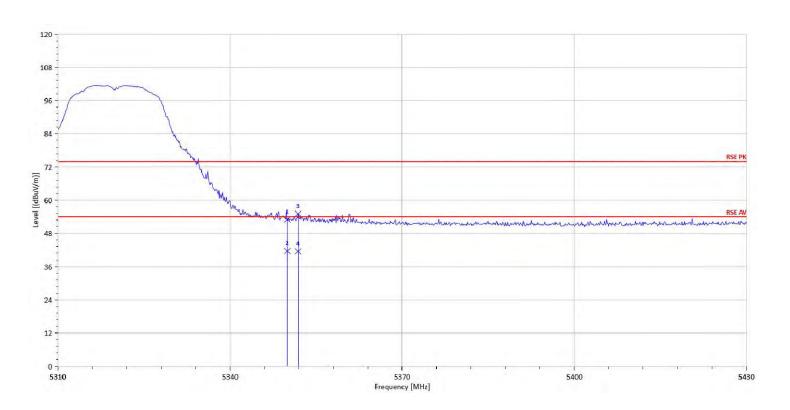


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Operation Mode: Test Date: 802.11aB2 2018/1/12

Fundamental Frequency: 5320 MHz Temp. / Humi. : 22.7deg C/57RH Operation Band: BE CH HIGH Test Engineer:

Enzo EUT Pol.: Measurement Antenna Pol.: Horizontal



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|---------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 5350.00 | Е | Peak | 44.11 | 8.96 | 53.07 | 74 | -20.93 |
| 5350.00 | E | Average | 32.66 | 8.96 | 41.62 | 54 | -12.38 |
| 5351.88 | S | Peak | 46.12 | 8.99 | 55.11 | 74 | -18.89 |
| 5351.88 | S | Average | 32.49 | 8.99 | 41.48 | 54 | -12.52 |

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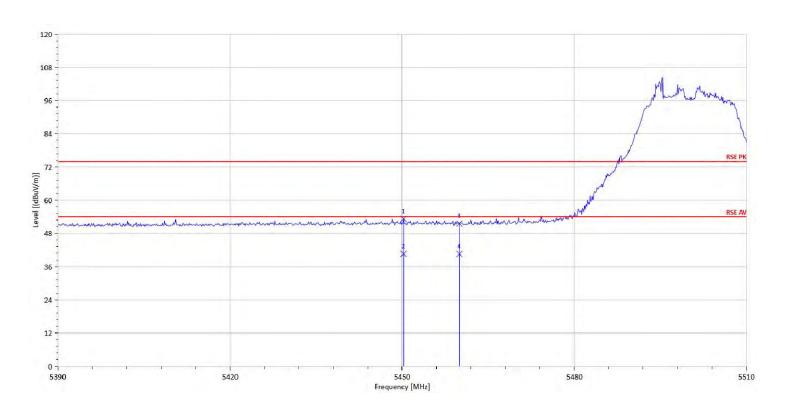


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Operation Mode: Test Date: 802.11aB3 2018/1/12

Fundamental Frequency: 5500 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: BE CH LOW Test Engineer: Enzo EUT Pol.: Measurement Antenna Pol.: Η Vertical



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|---------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 5450.24 | S | Peak | 44.26 | 8.99 | 53.26 | 74 | -20.74 |
| 5450.24 | S | Average | 31.64 | 8.99 | 40.63 | 54 | -13.37 |
| 5460.00 | E | Peak | 42.67 | 8.88 | 51.55 | 74 | -22.45 |
| 5460.00 | Ε | Average | 31.71 | 8.88 | 40.59 | 54 | -13.41 |

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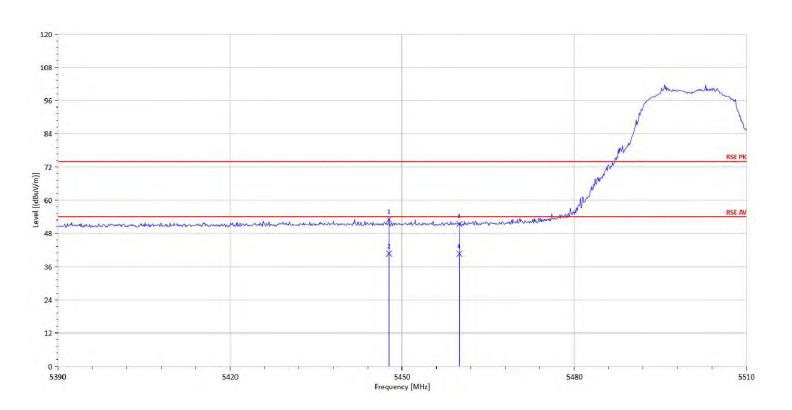


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Operation Mode: Test Date: 802.11aB3 2018/1/12

Fundamental Frequency: 5500 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: BE CH LOW Test Engineer: Enzo EUT Pol.: Measurement Antenna Pol. : Η Horizontal



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|---------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 5447.72 | S | Peak | 44.10 | 9.03 | 53.13 | 74 | -20.87 |
| 5447.72 | S | Average | 31.67 | 9.03 | 40.70 | 54 | -13.30 |
| 5460.00 | E | Peak | 42.55 | 8.88 | 51.43 | 74 | -22.57 |
| 5460.00 | Ε | Average | 31.79 | 8.88 | 40.67 | 54 | -13.33 |

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SGS Taiwan Ltd. No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號

f (886-2) 2298-0488

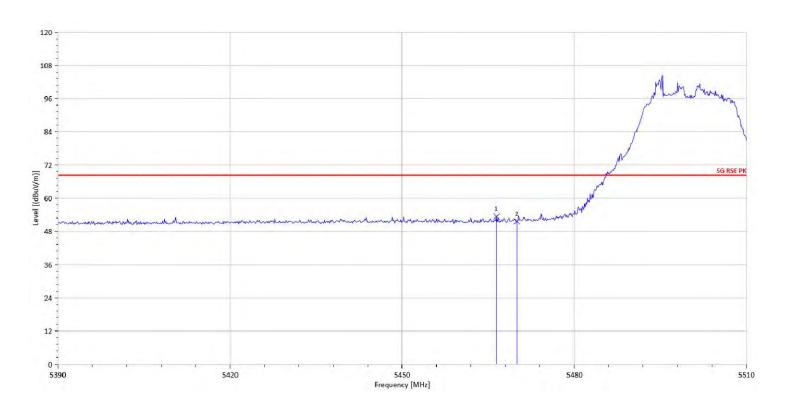


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Test Date: Operation Mode: 802.11aB3 2018/1/12

Fundamental Frequency: 5500 MHz Temp. / Humi. : 22.7deg C/57RH

Test Engineer: Operation Band: BE CH LOW RSE Enzo EUT Pol.: Measurement Antenna Pol. : Η Vertical



| Freq | . Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|-------|-----------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | z F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 5466. | 44 S | Peak | 44.57 | 8.82 | 53.39 | 68.3 | -14.91 |
| 5470. | 00 E | Peak | 42.88 | 8.79 | 51.67 | 68.3 | -16.63 |

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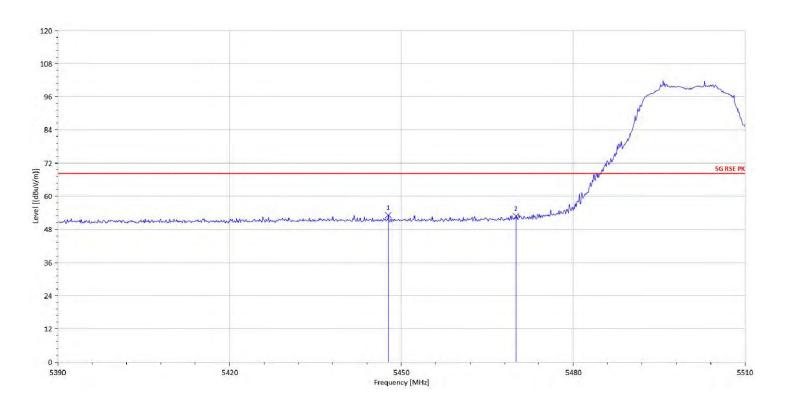


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Test Date: Operation Mode: 802.11aB3 2018/1/12

Fundamental Frequency: 5500 MHz Temp. / Humi. : 22.7deg C/57RH

Test Engineer: Operation Band: BE CH LOW RSE Enzo EUT Pol.: Measurement Antenna Pol. : Η Horizontal



| | Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin | |
|---|---------|---------|------------------|--------------------------|--------|--------------|--------------|--------|--|
| | MHz | F/H/E/S | PK/QP/AV | dBµV | dB | dΒμV/m | dBµV/m | dB | |
| • | 5447.72 | S | Peak | 44.10 | 9.03 | 53.13 | 68.3 | -15.17 | |
| | 5470.00 | E | Peak | 43.91 | 8.79 | 52.70 | 68.3 | -15.60 | |

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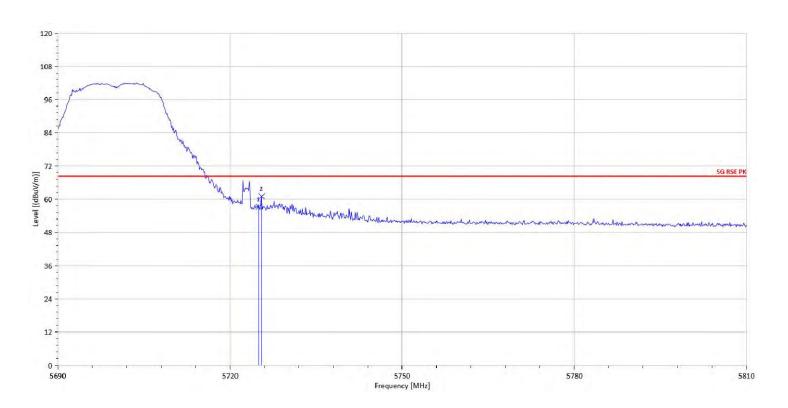


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Operation Mode: Test Date: 802.11aB3 2018/1/12

Fundamental Frequency: 5700 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: BE CH HIGH Test Engineer: Enzo EUT Pol.: Measurement Antenna Pol.: Vertical



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|---------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 5725.00 | Е | Peak | 47.92 | 9.30 | 57.22 | 68.3 | -11.08 |
| 5725.52 | S | Peak | 51.76 | 9.30 | 61.06 | 68.3 | -7.24 |

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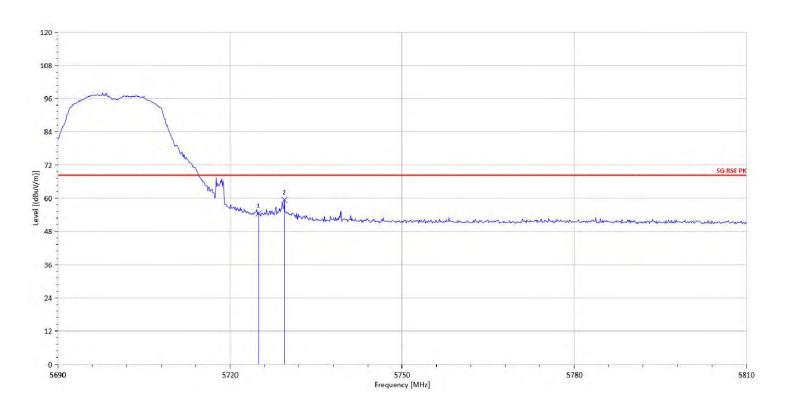


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Operation Mode: Test Date: 802.11aB3 2018/1/12

Fundamental Frequency: 5700 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: BE CH HIGH Test Engineer: Enzo EUT Pol.: Measurement Antenna Pol.: Horizontal



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|---------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 5725.00 | E | Peak | 45.20 | 9.30 | 54.50 | 68.3 | -13.80 |
| 5729.48 | S | Peak | 50.08 | 9.29 | 59.37 | 68.3 | -8.93 |

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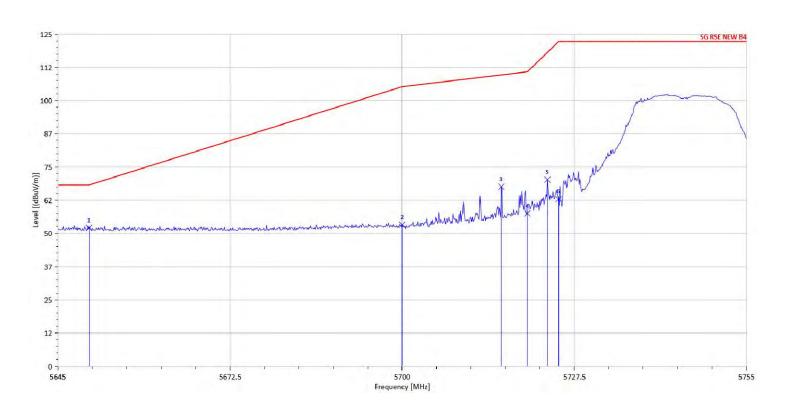


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Operation Mode: Test Date: 802.11aB4 2018/1/12

Fundamental Frequency: 5745 MHz Temp. / Humi. : 22.7deg C/57RH

Test Engineer: Operation Band: BE CH LOW Enzo EUT Pol.: Measurement Antenna Pol.: Η Vertical



| Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|---------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 5650.00 | S | Peak | 42.77 | 9.33 | 52.10 | 68.23 | -16.13 |
| 5700.00 | S | Peak | 43.85 | 9.44 | 53.28 | 105.23 | -51.95 |
| 5715.84 | S | Peak | 58.32 | 9.26 | 67.59 | 109.6652 | -42.08 |
| 5720.00 | S | Peak | 48.24 | 9.28 | 57.52 | 110.83 | -53.31 |
| 5723.21 | S | Peak | 60.94 | 9.29 | 70.24 | 118.1487 | -47.91 |
| 5725.00 | Ε | Peak | 53.60 | 9.30 | 62.90 | 122.23 | -59.33 |

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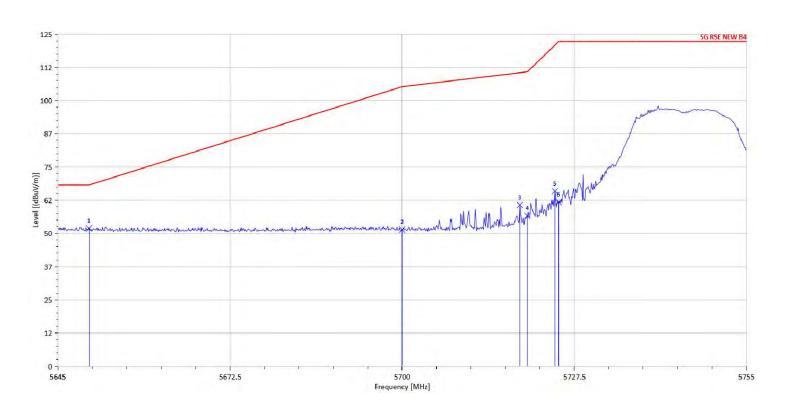


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Operation Mode: Test Date: 802.11aB4 2018/1/12

Fundamental Frequency: 5745 MHz Temp. / Humi. : 22.7deg C/57RH

Test Engineer: Operation Band: BE CH LOW Enzo EUT Pol.: Measurement Antenna Pol. : Η Horizontal



| Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|---------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| MHz | F/H/E/S | PK/QP/AV | dBµV | dB | dBµV/m | dBµV/m | dB |
| 5650.00 | S | Peak | 42.57 | 9.33 | 51.90 | 68.23 | -16.33 |
| 5700.00 | S | Peak | 41.98 | 9.44 | 51.42 | 105.23 | -53.81 |
| 5718.81 | S | Peak | 51.40 | 9.28 | 60.67 | 110.4968 | -49.83 |
| 5720.00 | S | Peak | 47.37 | 9.28 | 56.65 | 110.83 | -54.18 |
| 5724.42 | S | Peak | 56.61 | 9.30 | 65.91 | 120.9074 | -55.00 |
| 5725.00 | E | Peak | 52.48 | 9.30 | 61.78 | 122.23 | -60.45 |

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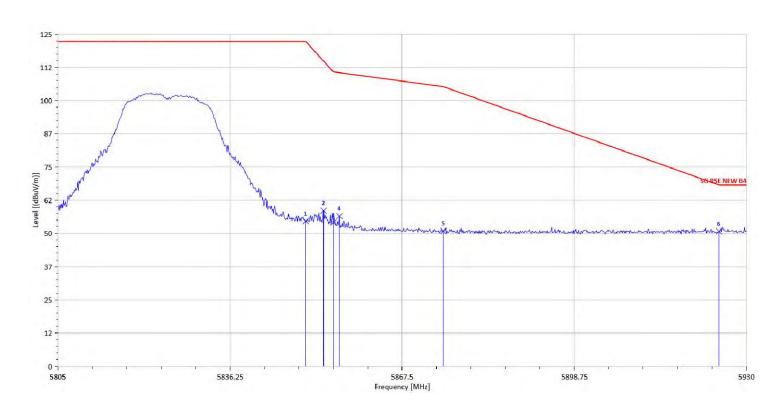


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Operation Mode: Test Date: 802.11aB4 2018/1/12

Fundamental Frequency: 5825 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: BE CH HIGH Test Engineer: Enzo EUT Pol.: Measurement Antenna Pol.: Vertical



| Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|---------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 5850.00 | E | Peak | 45.15 | 9.49 | 54.64 | 122.23 | -67.59 |
| 5853.25 | S | Peak | 49.00 | 9.55 | 58.55 | 114.82 | -56.27 |
| 5855.00 | S | Peak | 44.49 | 9.58 | 54.07 | 110.83 | -56.76 |
| 5856.13 | S | Peak | 46.89 | 9.60 | 56.49 | 110.515 | -54.03 |
| 5875.00 | S | Peak | 41.29 | 9.63 | 50.92 | 105.23 | -54.31 |
| 5925.00 | S | Peak | 40.79 | 10.01 | 50.80 | 68.23 | -17.43 |

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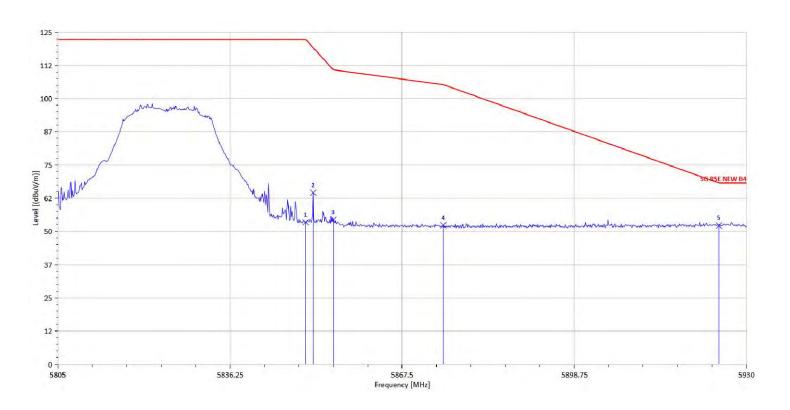


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Operation Mode: Test Date: 802.11aB4 2018/1/12

Fundamental Frequency: 5825 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: BE CH HIGH Test Engineer: Enzo EUT Pol.: Measurement Antenna Pol. : Horizontal



| Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|---------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| MHz | F/H/E/S | PK/QP/AV | dBµV | dB | dBµV/m | dBµV/m | dB |
| 5850.00 | E | Peak | 43.93 | 9.49 | 53.42 | 122.23 | -68.81 |
| 5851.38 | S | Peak | 55.05 | 9.51 | 64.57 | 119.095 | -54.53 |
| 5855.00 | S | Peak | 44.75 | 9.58 | 54.33 | 110.83 | -56.50 |
| 5875.00 | S | Peak | 42.69 | 9.63 | 52.33 | 105.23 | -52.90 |
| 5925.00 | S | Peak | 42.17 | 10.01 | 52.19 | 68.23 | -16.04 |

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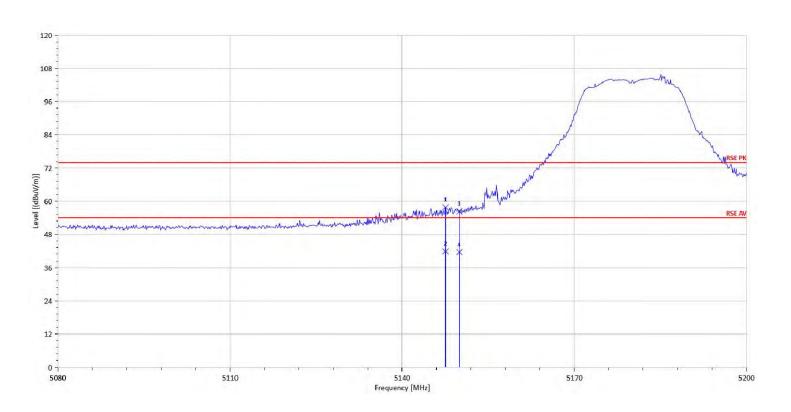
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802.11n20 HT mode

Operation Mode: 802.11n20B1 Test Date: 2018/1/12

Fundamental Frequency: 5180 MHz Temp. / Humi.: 22.7deg_C/57RH

Operation Band: **BE CH LOW** Test Engineer: Enzo EUT Pol.: Measurement Antenna Pol. : Vertical Н



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|---------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 5147.56 | S | Peak | 49.64 | 8.18 | 57.82 | 74 | -16.18 |
| 5147.56 | S | Average | 33.71 | 8.18 | 41.89 | 54 | -12.11 |
| 5150.00 | Е | Peak | 48.16 | 8.19 | 56.36 | 74 | -17.64 |
| 5150.00 | Е | Average | 33.41 | 8.19 | 41.60 | 54 | -12.40 |

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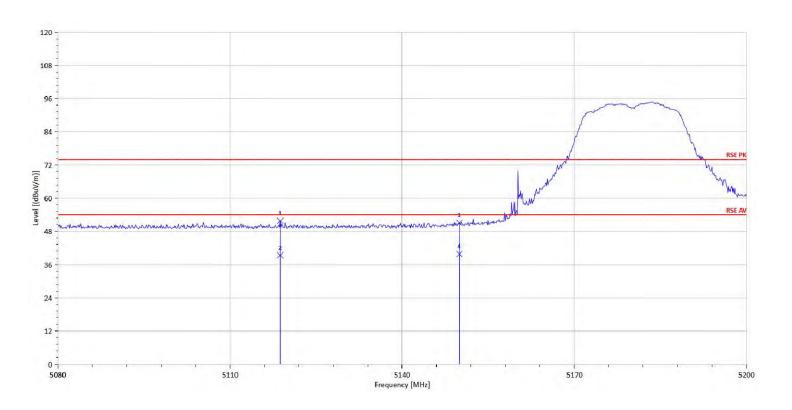


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802.11n20B1 Test Date: Operation Mode: 2018/1/12

Fundamental Frequency: 5180 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: BE CH LOW Test Engineer: Enzo EUT Pol.: Measurement Antenna Pol.: Horizontal



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|---------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 5118.76 | S | Peak | 43.75 | 8.08 | 51.82 | 74 | -22.18 |
| 5118.76 | S | Average | 31.31 | 8.08 | 39.39 | 54 | -14.61 |
| 5150.00 | Е | Peak | 42.89 | 8.19 | 51.08 | 74 | -22.92 |
| 5150.00 | Е | Average | 31.62 | 8.19 | 39.81 | 54 | -14.19 |

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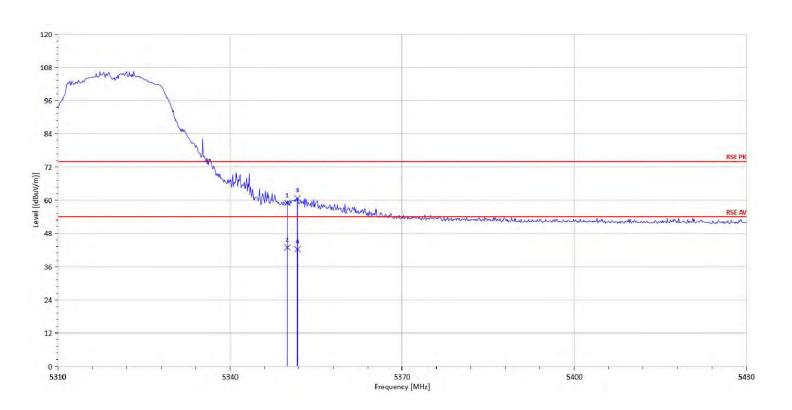


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802.11n20B2 Operation Mode: Test Date: 2018/1/12

Fundamental Frequency: 5320 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: BE CH HIGH Test Engineer: Enzo EUT Pol.: Measurement Antenna Pol.: Η Vertical



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|---------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 5350.00 | Е | Peak | 50.06 | 8.96 | 59.02 | 74 | -14.98 |
| 5350.00 | E | Average | 33.95 | 8.96 | 42.91 | 54 | -11.09 |
| 5351.76 | S | Peak | 51.75 | 8.99 | 60.75 | 74 | -13.25 |
| 5351.76 | S | Average | 33.35 | 8.99 | 42.34 | 54 | -11.66 |

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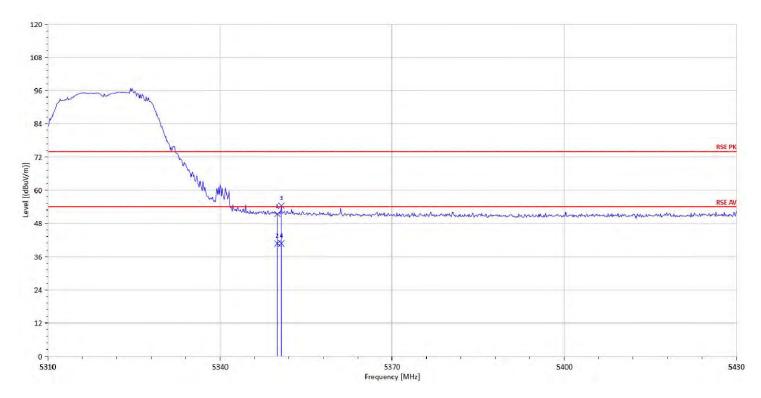


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802.11n20B2 Operation Mode: Test Date: 2018/1/12

Fundamental Frequency: 5320 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: BE CH HIGH Test Engineer: Enzo EUT Pol.: Measurement Antenna Pol. : Horizontal



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|---------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 5350.00 | Е | Peak | 42.43 | 8.96 | 51.40 | 74 | -22.60 |
| 5350.00 | E | Average | 31.76 | 8.96 | 40.72 | 54 | -13.28 |
| 5350.68 | S | Peak | 45.44 | 8.98 | 54.41 | 74 | -19.59 |
| 5350.68 | S | Average | 31.81 | 8.98 | 40.79 | 54 | -13.21 |

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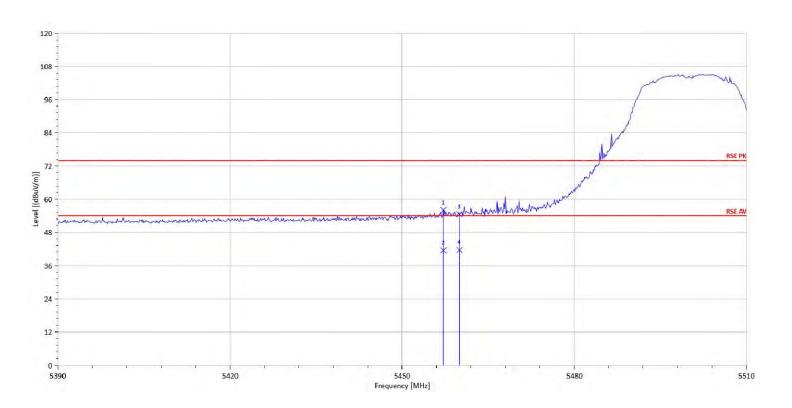


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802.11n20B3 Test Date: Operation Mode: 2018/1/12

Fundamental Frequency: 5500 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: BE CH LOW Test Engineer: Enzo EUT Pol.: Measurement Antenna Pol.: Η Vertical



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|---------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 5457.20 | S | Peak | 47.18 | 8.91 | 56.09 | 74 | -17.91 |
| 5457.20 | S | Average | 32.61 | 8.91 | 41.52 | 54 | -12.48 |
| 5460.00 | Е | Peak | 45.67 | 8.88 | 54.55 | 74 | -19.45 |
| 5460.00 | Ε | Average | 32.75 | 8.88 | 41.63 | 54 | -12.37 |

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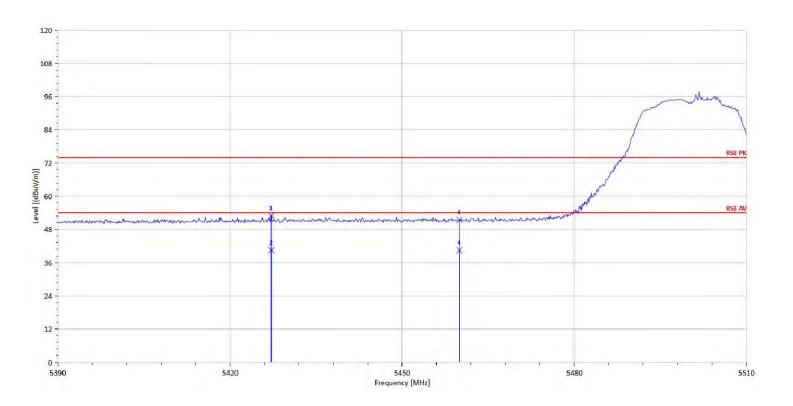


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802.11n20B3 Test Date: Operation Mode: 2018/1/12

Fundamental Frequency: 5500 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: BE CH LOW Test Engineer: Enzo EUT Pol.: Measurement Antenna Pol.: Η Horizontal



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|---------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 5427.20 | S | Peak | 43.99 | 9.01 | 53.01 | 74 | -20.99 |
| 5427.20 | S | Average | 31.47 | 9.01 | 40.48 | 54 | -13.52 |
| 5460.00 | Е | Peak | 42.61 | 8.88 | 51.49 | 74 | -22.51 |
| 5460.00 | Ε | Average | 31.58 | 8.88 | 40.46 | 54 | -13.54 |

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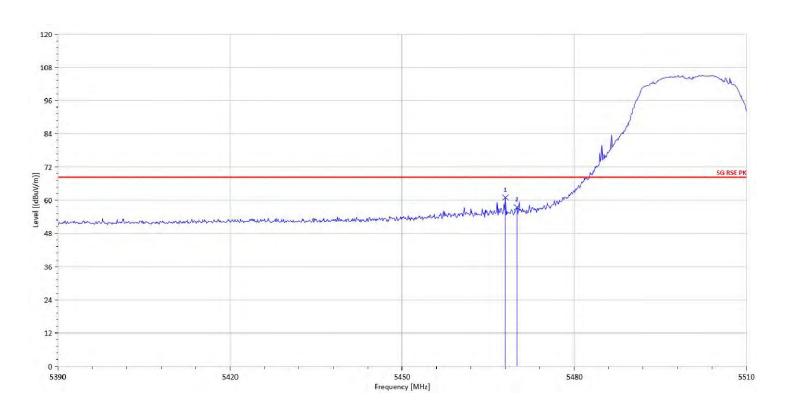


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802.11n20B3 Test Date: Operation Mode: 2018/1/12

Fundamental Frequency: 5500 MHz Temp. / Humi. : 22.7deg C/57RH

Test Engineer: Operation Band: BE CH LOW RSE Enzo EUT Pol.: Measurement Antenna Pol. : Η Vertical



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|---------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 5468.00 | S | Peak | 52.22 | 8.81 | 61.03 | 68.3 | -7.27 |
| 5470.00 | Ε | Peak | 48.65 | 8.79 | 57.44 | 68.3 | -10.86 |

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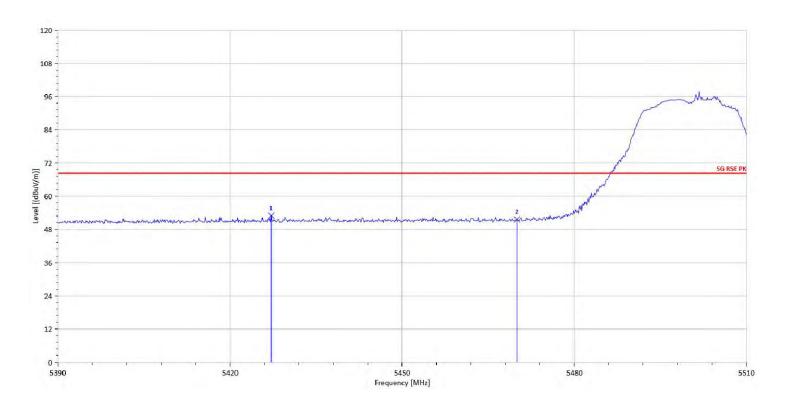


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802.11n20B3 Test Date: Operation Mode: 2018/1/12

Fundamental Frequency: 5500 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: BE CH LOW RSE Test Engineer: Enzo EUT Pol.: Measurement Antenna Pol. : Η Horizontal



| Fr | eq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|-----|------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| M | Hz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 542 | 7.20 | S | Peak | 43.99 | 9.01 | 53.01 | 68.3 | -15.29 |
| 547 | 0.00 | E | Peak | 42.80 | 8.79 | 51.59 | 68.3 | -16.71 |

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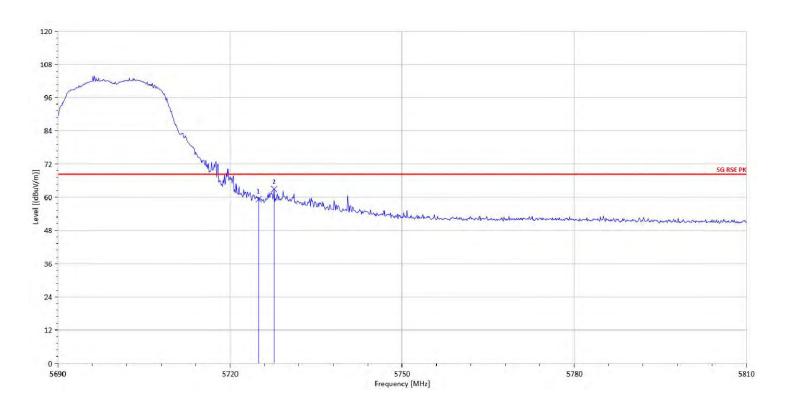


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Operation Mode: 802.11n20B3 Test Date: 2018/1/12

Fundamental Frequency: 5700 MHz Temp. / Humi. : 22.7deg_C/57RH

Operation Band: Test Engineer: BE CH HIGH Enzo EUT Pol.: Measurement Antenna Pol. : Vertical Н



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|---------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 5725.00 | Е | Peak | 50.03 | 9.30 | 59.33 | 68.3 | -8.97 |
| 5727.68 | S | Peak | 52.61 | 9.30 | 61.91 | 68.3 | -6.39 |

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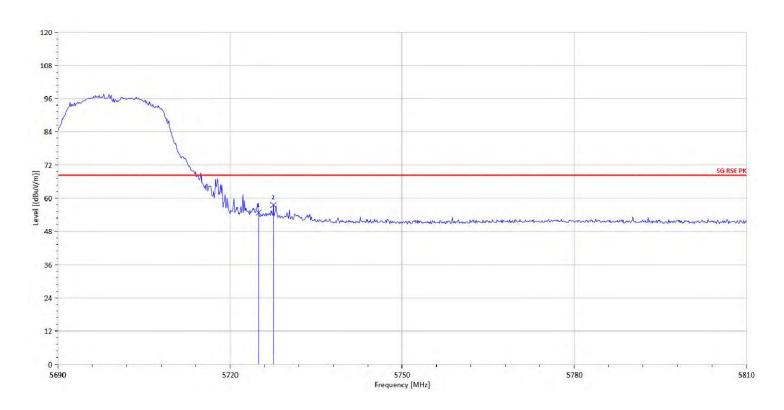


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802.11n20B3 Test Date: Operation Mode: 2018/1/12

Fundamental Frequency: 5700 MHz Temp. / Humi. : 22.7deg C/57RH Operation Band:

BE CH HIGH Test Engineer: Enzo EUT Pol.: Measurement Antenna Pol.: Horizontal



| Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|---------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dΒμV/m | dB |
| 5725.00 | Е | Peak | 45.51 | 9.30 | 54.81 | 68.3 | -13.49 |
| 5727.56 | S | Peak | 48.25 | 9.30 | 57.55 | 68.3 | -10.75 |

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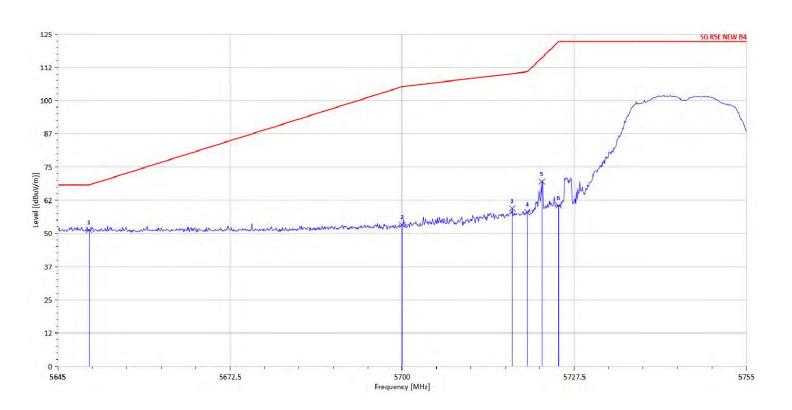


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Operation Mode: 802.11n20B4 Test Date: 2018/1/12

Fundamental Frequency: 5745 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: BE CH LOW Test Engineer: Enzo EUT Pol.: Measurement Antenna Pol.: Η Vertical



| Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|---------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 5650.00 | S | Peak | 42.01 | 9.33 | 51.34 | 68.23 | -16.89 |
| 5700.00 | S | Peak | 43.71 | 9.44 | 53.15 | 105.23 | -52.08 |
| 5717.60 | S | Peak | 50.14 | 9.27 | 59.41 | 110.158 | -50.75 |
| 5720.00 | S | Peak | 48.70 | 9.28 | 57.98 | 110.83 | -52.85 |
| 5722.33 | S | Peak | 60.22 | 9.29 | 69.51 | 116.1426 | -46.63 |
| 5725.00 | Е | Peak | 51.24 | 9.30 | 60.54 | 122.23 | -61.69 |

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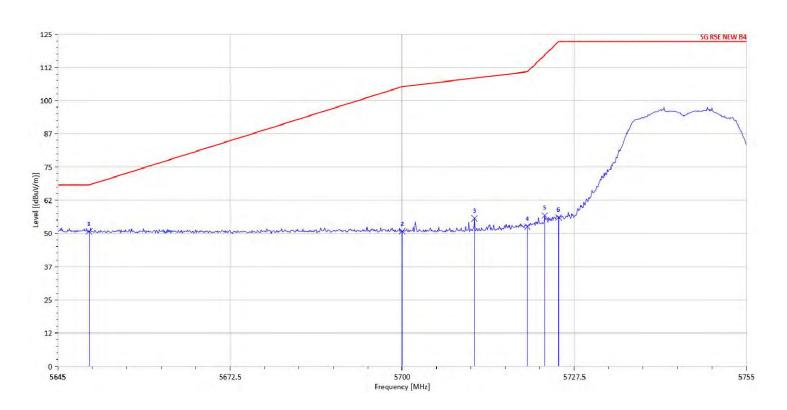


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Operation Mode: 802.11n20B4 Test Date: 2018/1/12

Fundamental Frequency: 5745 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: BE CH LOW Test Engineer: Enzo EUT Pol.: Measurement Antenna Pol.: Η Horizontal



| Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|---------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 5650.00 | S | Peak | 41.45 | 9.33 | 50.78 | 68.23 | -17.45 |
| 5700.00 | S | Peak | 41.36 | 9.44 | 50.80 | 105.23 | -54.43 |
| 5711.55 | S | Peak | 46.40 | 9.25 | 55.65 | 108.464 | -52.81 |
| 5720.00 | S | Peak | 43.28 | 9.28 | 52.56 | 110.83 | -58.27 |
| 5722.77 | S | Peak | 47.47 | 9.29 | 56.76 | 117.1456 | -60.39 |
| 5725.00 | Е | Peak | 46.69 | 9.30 | 55.99 | 122.23 | -66.24 |

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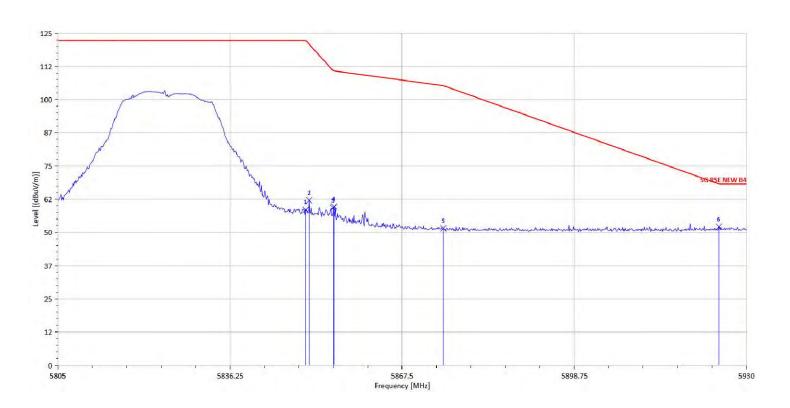


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Operation Mode: 802.11n20B4 Test Date: 2018/1/12

Fundamental Frequency: 5825 MHz Temp. / Humi. : 22.7deg_C/57RH

Operation Band: Test Engineer: BE CH HIGH Enzo EUT Pol.: Measurement Antenna Pol. : Vertical Н



| Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|---------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| MHz | F/H/E/S | PK/QP/AV | dBuV | dB | dBµV/m | dBµV/m | dB |
| 5850.00 | E | Peak | 49.01 | 9.49 | 58.50 | 122.23 | -63.73 |
| 5850.63 | S | Peak | 52.59 | 9.50 | 62.09 | 120.805 | -58.72 |
| 5855.00 | S | Peak | 49.66 | 9.58 | 59.24 | 110.83 | -51.59 |
| 5855.13 | S | Peak | 50.16 | 9.58 | 59.74 | 110.795 | -51.06 |
| 5875.00 | S | Peak | 41.89 | 9.63 | 51.53 | 105.23 | -53.70 |
| 5925.00 | S | Peak | 42.10 | 10.01 | 52.11 | 68.23 | -16.12 |

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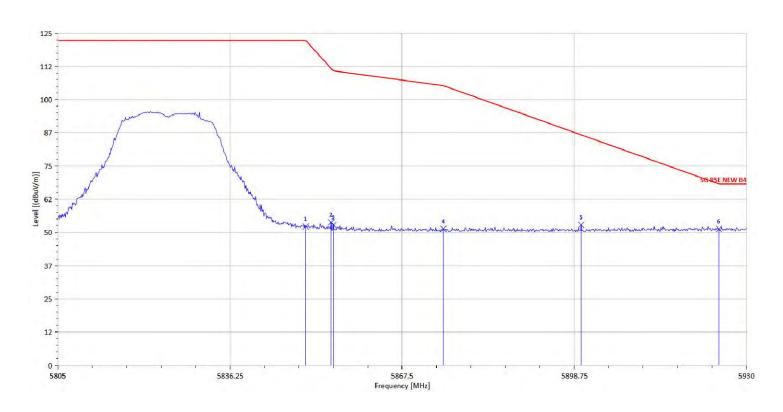


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802.11n20B4 Test Date: Operation Mode: 2018/1/12

Fundamental Frequency: 5825 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: BE CH HIGH Test Engineer: Enzo EUT Pol.: Measurement Antenna Pol.: Η Horizontal



| Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|---------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 5850.00 | E | Peak | 42.76 | 9.49 | 52.24 | 122.23 | -69.99 |
| 5854.63 | S | Peak | 44.23 | 9.57 | 53.81 | 111.685 | -57.88 |
| 5855.00 | S | Peak | 43.21 | 9.58 | 52.79 | 110.83 | -58.04 |
| 5875.00 | S | Peak | 41.72 | 9.63 | 51.35 | 105.23 | -53.88 |
| 5900.00 | S | Peak | 43.12 | 9.72 | 52.84 | 86.73 | -33.89 |
| 5925.00 | S | Peak | 41.27 | 10.01 | 51.28 | 68.23 | -16.95 |

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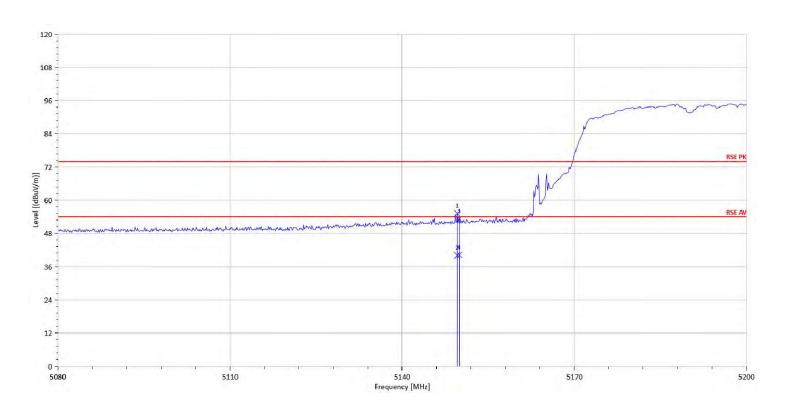
Page: 222 of 270

802.11n40 HT mode

Operation Mode: 802.11n40B1 Test Date: 2018/1/10

Fundamental Frequency: 5190 MHz Temp. / Humi. : 22.7deg_C/57RH

Operation Band: **BE CH LOW** Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Н Vertical



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|---------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 5149.60 | S | Peak | 47.04 | 8.19 | 55.23 | 74 | -18.77 |
| 5149.60 | S | Average | 31.86 | 8.19 | 40.05 | 54 | -13.95 |
| 5150.00 | E | Peak | 45.02 | 8.19 | 53.21 | 74 | -20.79 |
| 5150.00 | Е | Average | 32.05 | 8.19 | 40.24 | 54 | -13.76 |

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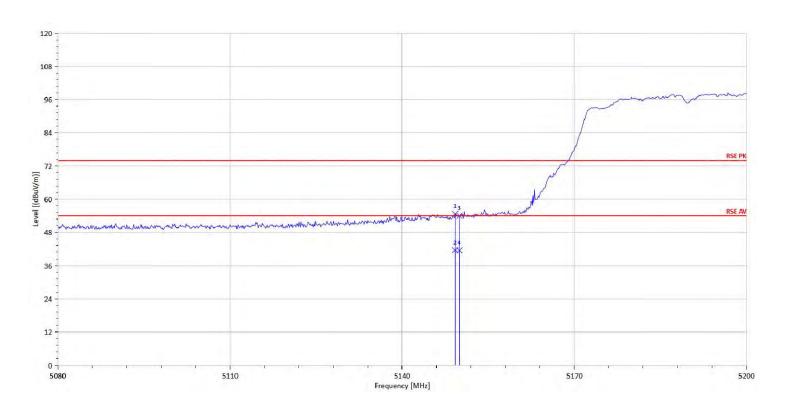


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802.11n40B1 Test Date: Operation Mode: 2018/1/10

Fundamental Frequency: 5190 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: BE CH LOW Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Horizontal



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|---------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 5149.24 | S | Peak | 46.53 | 8.19 | 54.72 | 74 | -19.28 |
| 5149.24 | S | Average | 33.40 | 8.19 | 41.59 | 74 | -32.41 |
| 5150.00 | E | Peak | 45.81 | 8.19 | 54.00 | 74 | -20.00 |
| 5150.00 | E | Average | 33.32 | 8.19 | 41.51 | 74 | -32.49 |

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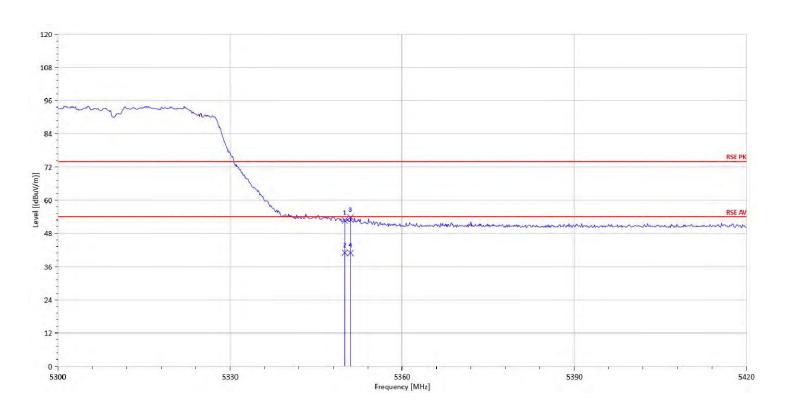


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802.11n40B2 Operation Mode: Test Date: 2018/1/10

Fundamental Frequency: 5310 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: BE CH HIGH Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Vertical



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|---------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 5350.00 | E | Peak | 43.73 | 8.96 | 52.69 | 74 | -21.31 |
| 5350.00 | E | Average | 32.06 | 8.96 | 41.02 | 74 | -32.98 |
| 5351.00 | S | Peak | 44.88 | 8.98 | 53.86 | 74 | -20.14 |
| 5351.00 | S | Average | 31.94 | 8.98 | 40.92 | 74 | -33.08 |

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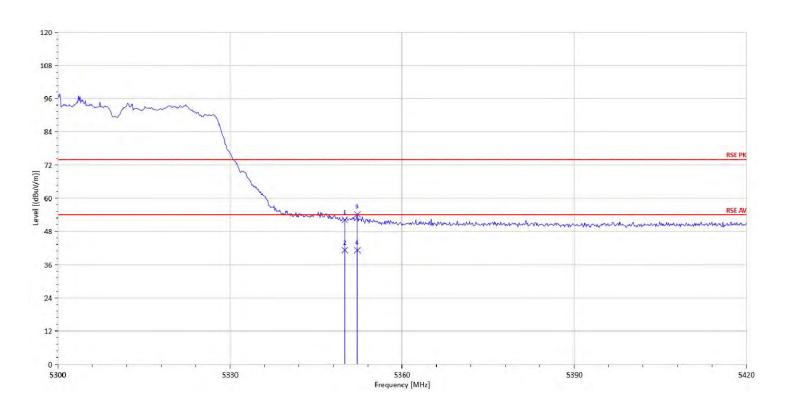


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802.11n40B2 Test Date: Operation Mode: 2018/1/10

Fundamental Frequency: 5310 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: BE CH HIGH Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Horizontal



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|---------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 5350.00 | E | Peak | 43.22 | 8.96 | 52.18 | 74 | -21.82 |
| 5350.00 | E | Average | 32.26 | 8.96 | 41.22 | 74 | -32.78 |
| 5352.20 | S | Peak | 45.17 | 9.00 | 54.17 | 74 | -19.83 |
| 5352.20 | S | Average | 32.19 | 9.00 | 41.19 | 74 | -32.81 |

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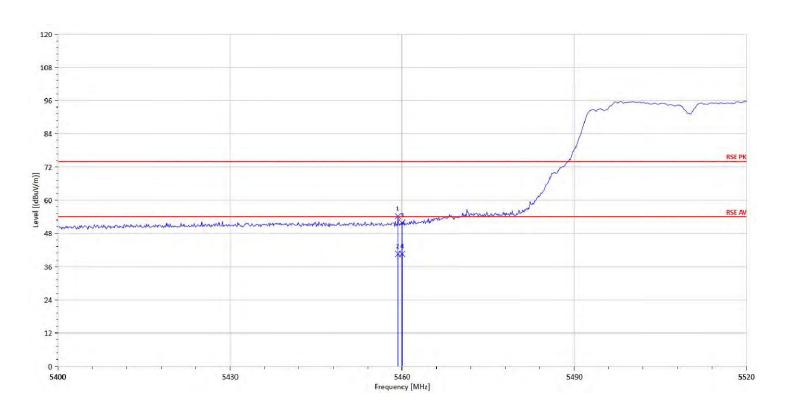


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802.11n40B3 Test Date: Operation Mode: 2018/1/10

Fundamental Frequency: 5510 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: BE CH LOW Test Engineer: Ashton EUT Pol.: Η Measurement Antenna Pol. : Vertical



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|---------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 5459.28 | S | Peak | 45.32 | 8.88 | 54.20 | 74 | -19.80 |
| 5459.28 | S | Average | 31.72 | 8.88 | 40.60 | 74 | -33.40 |
| 5460.00 | Е | Peak | 43.02 | 8.88 | 51.90 | 74 | -22.10 |
| 5460.00 | Ε | Average | 31.70 | 8.88 | 40.58 | 74 | -33.42 |

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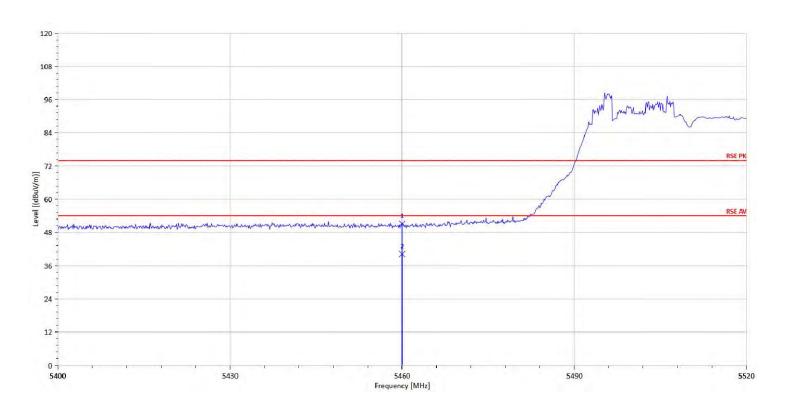


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802.11n40B3 Test Date: Operation Mode: 2018/1/10

Fundamental Frequency: 5510 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: BE CH LOW Test Engineer: Ashton EUT Pol.: Η Measurement Antenna Pol. : Horizontal



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|---------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 5460.00 |) E | Peak | 42.32 | 8.88 | 51.20 | 74 | -22.80 |
| 5460.00 |) E | Average | 31.30 | 8.88 | 40.18 | 74 | -33.82 |

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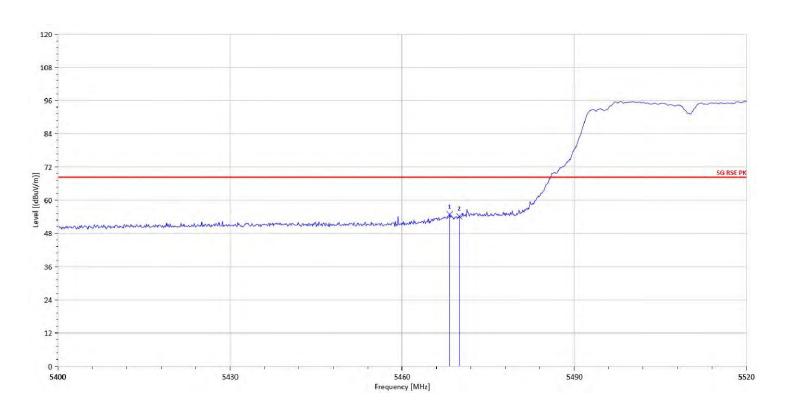


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Test Date: Operation Mode: 802.11n40B3 2018/1/10

Fundamental Frequency: 5510 MHz Temp. / Humi. : 22.7deg C/57RH

Test Engineer: Operation Band: BE CH LOW RSE Ashton EUT Pol.: Measurement Antenna Pol. : Η Vertical



| Fre | eq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|------|------|---------|----------|---------------|--------|--------|--------|--------|
| | | | Mode | Reading Level | | FS | @3m | |
| M | Ηz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 5468 | 3.28 | S | Peak | 46.11 | 8.81 | 54.92 | 68.3 | -13.38 |
| 5470 | 0.00 | E | Peak | 45.37 | 8.79 | 54.16 | 68.3 | -14.14 |

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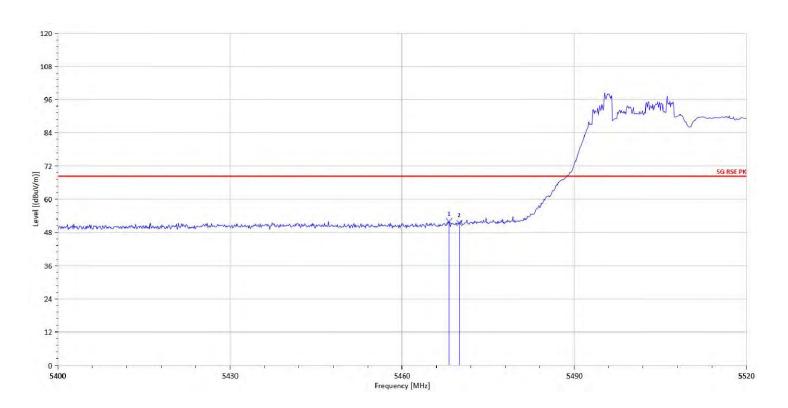


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Test Date: Operation Mode: 802.11n40B3 2018/1/10

Fundamental Frequency: 5510 MHz Temp. / Humi. : 22.7deg C/57RH

Test Engineer: Operation Band: BE CH LOW RSE Ashton EUT Pol.: Measurement Antenna Pol. : Η Horizontal



| F | Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|----|--------|---------|----------|---------------|--------|--------|--------|--------|
| | | | Mode | Reading Level | | FS | @3m | |
| | MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 54 | 168.16 | S | Peak | 43.18 | 8.81 | 51.99 | 68.3 | -16.31 |
| 54 | 170.00 | Ε | Peak | 42.61 | 8.79 | 51.40 | 68.3 | -16.90 |

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SGS Taiwan Ltd. No.134, WuKungRoad, NewTaipeiIndustrialPark, WukuDistrict, NewTaipeiCity, Taiwan24803/新北市五股區新北產業園區五工路 134 號

www.tw.sgs.com

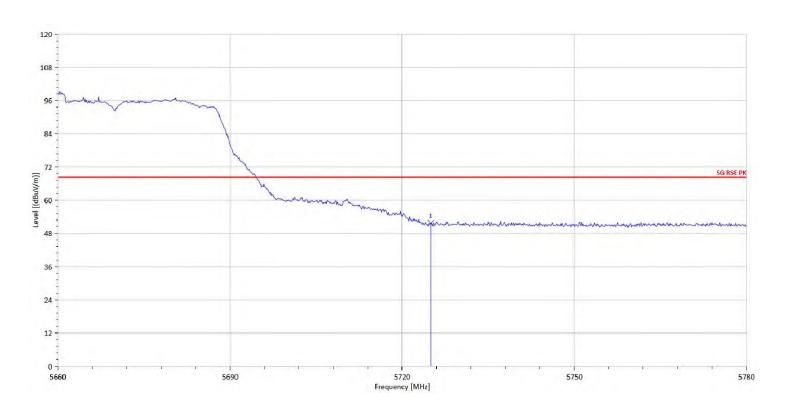


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802.11n40B3 Test Date: Operation Mode: 2018/1/10

Fundamental Frequency: 5670 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: BE CH HIGH Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol.: Η Vertical



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|---------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 5725.00 | Ē | Peak | 42.39 | 9.30 | 51.69 | 68.3 | -16.61 |

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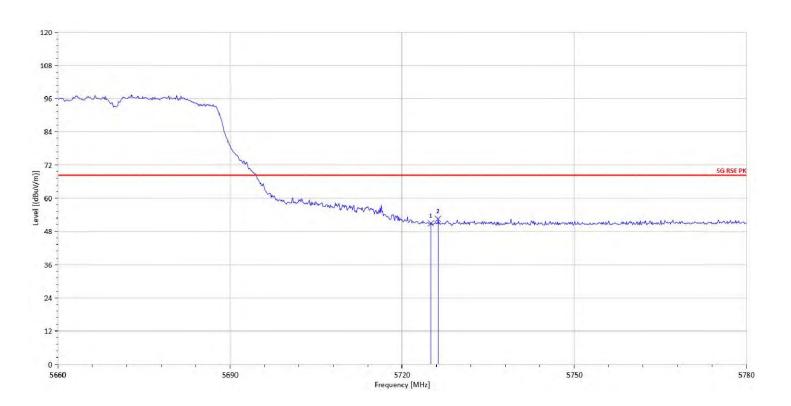


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802.11n40B3 Test Date: Operation Mode: 2018/1/10

Fundamental Frequency: 5670 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: BE CH HIGH Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol.: Η Horizontal



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|---------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 5725.00 | E | Peak | 41.63 | 9.30 | 50.93 | 68.3 | -17.37 |
| 5726.24 | S | Peak | 43.19 | 9.30 | 52.49 | 68.3 | -15.81 |

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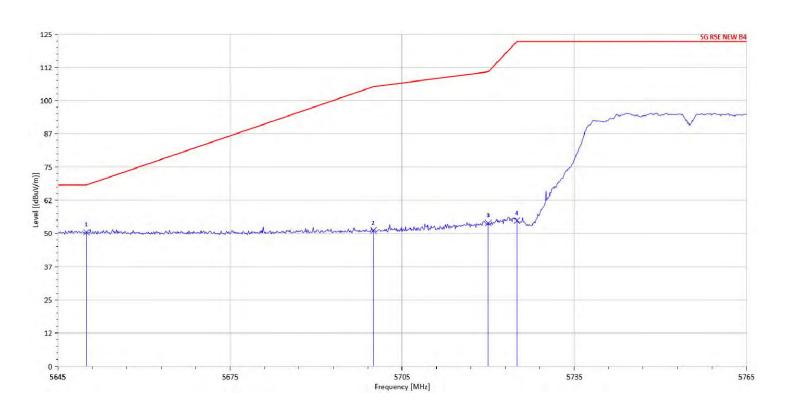


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Operation Mode: 802.11n40B4 Test Date: 2018/1/10

Fundamental Frequency: 5755 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: BE CH LOW Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol.: Η Vertical



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|---------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 5650.00 | S | Peak | 41.13 | 9.33 | 50.46 | 68.23 | -17.77 |
| 5700.00 | S | Peak | 41.64 | 9.44 | 51.08 | 105.23 | -54.15 |
| 5720.00 | S | Peak | 44.67 | 9.28 | 53.95 | 110.83 | -56.88 |
| 5725.00 | E | Peak | 45.53 | 9.30 | 54.83 | 122.23 | -67.40 |

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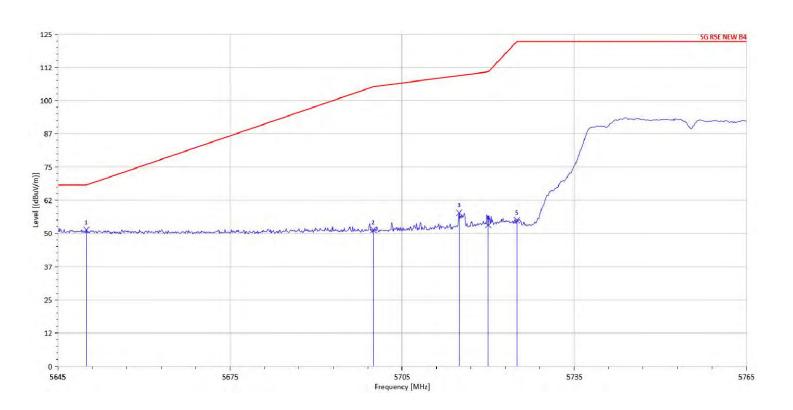


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Operation Mode: 802.11n40B4 Test Date: 2018/1/10

Fundamental Frequency: 5755 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: BE CH LOW Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol.: Η Horizontal



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|---------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 5650.00 | S | Peak | 42.01 | 9.33 | 51.34 | 68.23 | -16.89 |
| 5700.00 | S | Peak | 41.90 | 9.44 | 51.34 | 105.23 | -53.89 |
| 5714.96 | S | Peak | 48.51 | 9.26 | 57.77 | 109.42 | -51.65 |
| 5720.00 | S | Peak | 43.81 | 9.28 | 53.09 | 110.83 | -57.74 |
| 5725.00 | Ε | Peak | 45.66 | 9.30 | 54.96 | 122.23 | -67.27 |

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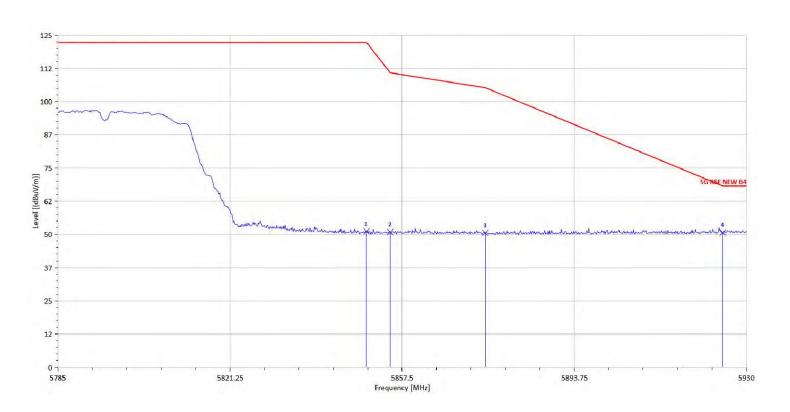


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Operation Mode: 802.11n40B4 Test Date: 2018/1/10

Fundamental Frequency: 5795 MHz Temp. / Humi. : 22.7deg_C/57RH

Operation Band: BE CH HIGH Test Engineer: Ashton Vertical EUT Pol.: Measurement Antenna Pol. : Н



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|---------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 5850.00 | E | Peak | 41.65 | 9.49 | 51.14 | 122.23 | -71.09 |
| 5855.00 | S | Peak | 41.29 | 9.58 | 50.87 | 110.83 | -59.96 |
| 5875.00 | S | Peak | 40.96 | 9.63 | 50.59 | 105.23 | -54.64 |
| 5925.00 | S | Peak | 40.67 | 10.01 | 50.68 | 68.23 | -17.55 |

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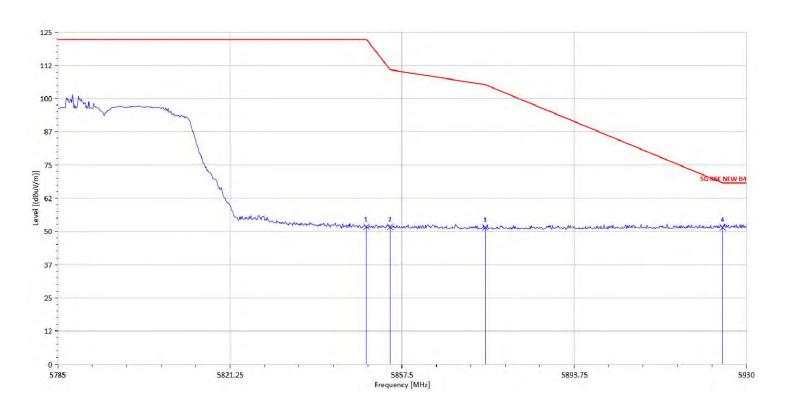


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802.11n40B4 Test Date: Operation Mode: 2018/1/10

Fundamental Frequency: 5795 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: BE CH HIGH Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol.: Horizontal



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|---------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 5850.00 | Е | Peak | 42.24 | 9.49 | 51.73 | 122.23 | -70.50 |
| 5855.00 | S | Peak | 42.13 | 9.58 | 51.71 | 110.83 | -59.12 |
| 5875.00 | S | Peak | 41.89 | 9.63 | 51.52 | 105.23 | -53.71 |
| 5925.00 | S | Peak | 41.49 | 10.01 | 51.50 | 68.23 | -16.73 |

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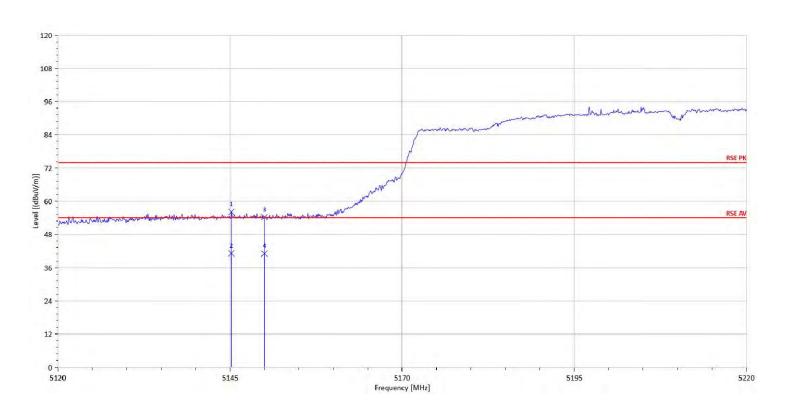
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802.11ac80 VHT mode

Operation Mode: 802.11ac80B1 Test Date: 2018/1/11

Fundamental Frequency: 5210 MHz Temp. / Humi.: 22.7deg_C/57RH

Operation Band: Test Engineer: BE CH LOW Ashton EUT Pol.: Vertical Measurement Antenna Pol.:



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|---------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 5145.20 | S | Peak | 47.99 | 8.16 | 56.15 | 74 | -17.85 |
| 5145.20 | S | Average | 33.02 | 8.16 | 41.18 | 74 | -32.82 |
| 5150.00 | Е | Peak | 46.05 | 8.19 | 54.24 | 74 | -19.76 |
| 5150.00 | Е | Average | 32.90 | 8.19 | 41.09 | 74 | -32.91 |

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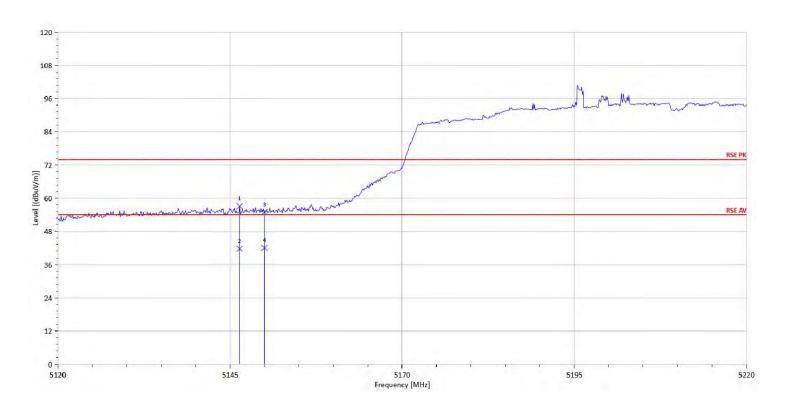


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Operation Mode: 802.11ac80B1 Test Date: 2018/1/11

Fundamental Frequency: 5210 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: BE CH LOW Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Η Horizontal



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|---------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 5146.40 | S | Peak | 48.92 | 8.16 | 57.08 | 74 | -16.92 |
| 5146.40 | S | Average | 33.58 | 8.16 | 41.74 | 74 | -32.26 |
| 5150.00 | Е | Peak | 46.82 | 8.19 | 55.01 | 74 | -18.99 |
| 5150.00 | Ε | Average | 33.85 | 8.19 | 42.04 | 74 | -31.96 |

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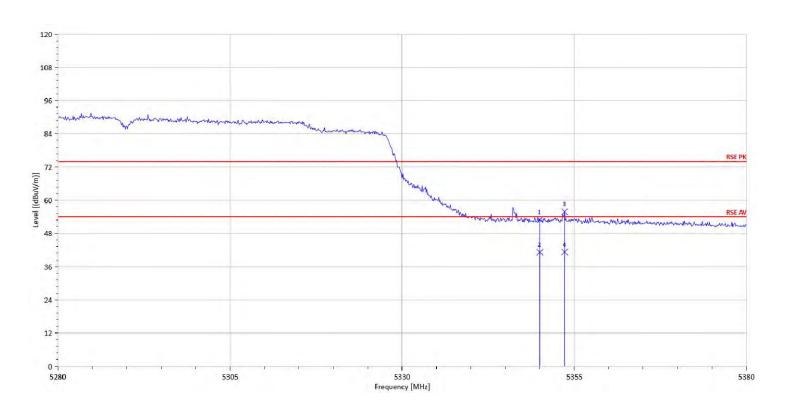


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Operation Mode: 802.11ac80B2 Test Date: 2018/1/11

Fundamental Frequency: 5290 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: BE CH HIGH Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Vertical



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|---------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 5350.00 | Е | Peak | 44.02 | 8.96 | 52.98 | 74 | -21.02 |
| 5350.00 | E | Average | 32.24 | 8.96 | 41.20 | 74 | -32.80 |
| 5353.60 | S | Peak | 46.83 | 8.98 | 55.81 | 74 | -18.19 |
| 5353.60 | S | Average | 32.27 | 8.98 | 41.25 | 74 | -32.75 |

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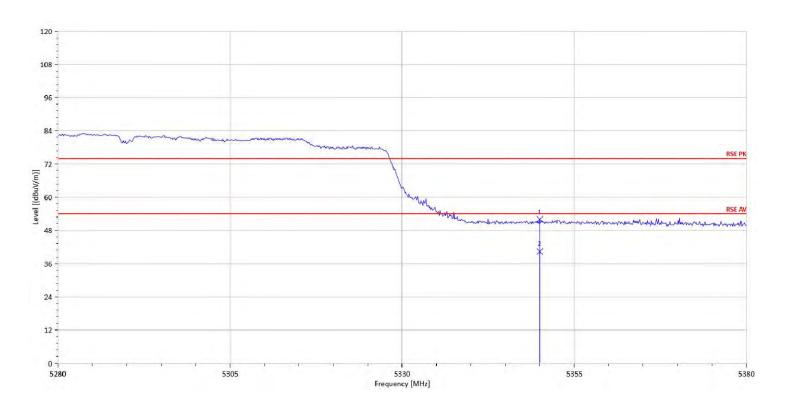


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Operation Mode: 802.11ac80B2 Test Date: 2018/1/11

Fundamental Frequency: 5290 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: BE CH HIGH Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Horizontal



| Freq | . Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|--------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 5350.0 | 00 E | Peak | 43.10 | 8.96 | 52.06 | 74 | -21.94 |
| 5350.0 | 00 E | Average | 31.45 | 8.96 | 40.41 | 74 | -33.59 |

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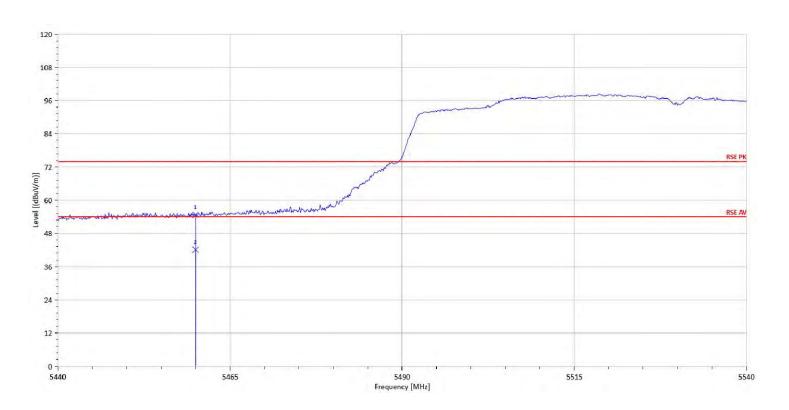


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Operation Mode: 802.11ac80B3 Test Date: 2018/1/12

Fundamental Frequency: 5530 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: BE CH LOW Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Н Vertical



| | Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin | |
|---|---------|---------|------------------|--------------------------|--------|--------------|--------------|--------|--|
| | MHz | F/H/E/S | PK/QP/AV | dBµV | dB | dBμV/m | dBµV/m | dB | |
| • | 5460.00 | E | Peak | 45.82 | 8.88 | 54.70 | 74 | -19.30 | |
| | 5460.00 | Е | Average | 33.24 | 8.88 | 42.12 | 54 | -11.88 | |

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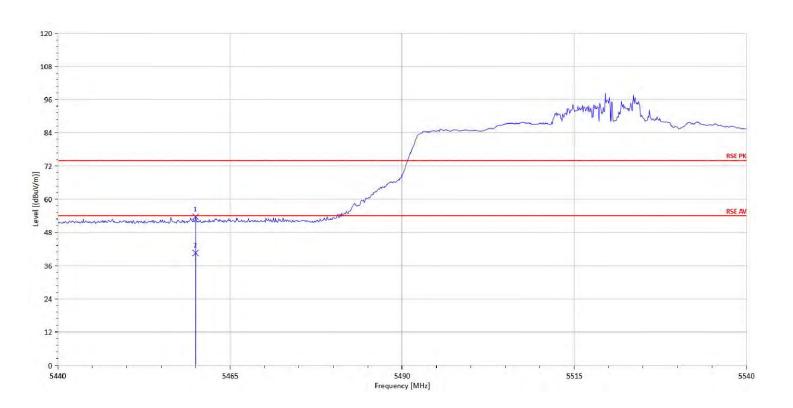


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Operation Mode: 802.11ac80B3 Test Date: 2018/1/11

Fundamental Frequency: 5530 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: BE CH LOW Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Н Horizontal



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|---------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dBµV | dB | dBµV/m | dBµV/m | dB |
| 5460.00 | E | Peak | 44.77 | 8.88 | 53.65 | 74 | -20.35 |
| 5460.00 | Е | Average | 31.72 | 8.88 | 40.60 | 54 | -13.40 |

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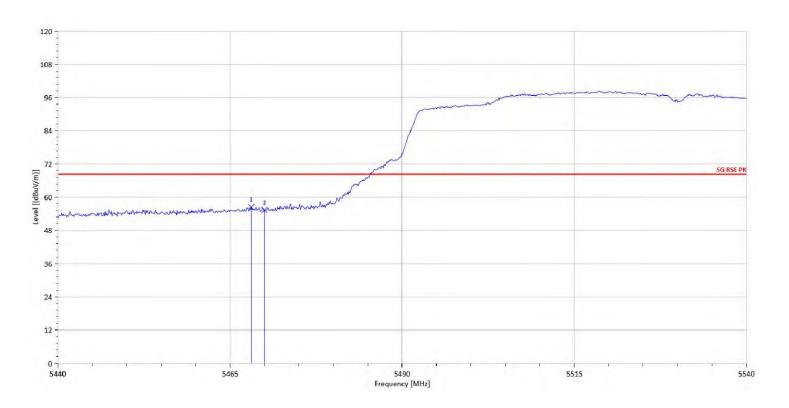


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Test Date: Operation Mode: 802.11ac80B3 2018/1/11

Fundamental Frequency: 5530 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: BE CH LOW RSE Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Н Vertical



| Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|---------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| MHz | F/H/E/S | PK/QP/AV | dBµV | dB | dΒμV/m | dBµV/m | dB |
| 5468.10 | S | Peak | 47.59 | 8.81 | 56.40 | 68.3 | -11.90 |
| 5470.00 | Е | Peak | 46.61 | 8.79 | 55.40 | 68.3 | -12.90 |

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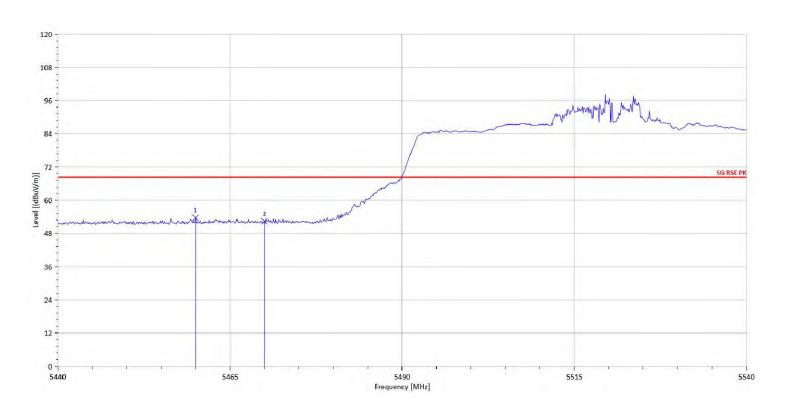


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Test Date: Operation Mode: 802.11ac80B3 2018/1/12

Fundamental Frequency: 5530 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: BE CH LOW RSE Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Н Horizontal



| | Freq. | Note | Detector Mode | Spectum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|----|--------|---------|------------------|--------------------------|--------|--------------|--------------|--------|
| | MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 5. | 460.00 | S | Peak | 44.77 | 8.88 | 53.65 | 68.3 | -14.65 |
| 5 | 470.00 | E | Peak | 43.60 | 8.79 | 52.39 | 68.3 | -15.91 |

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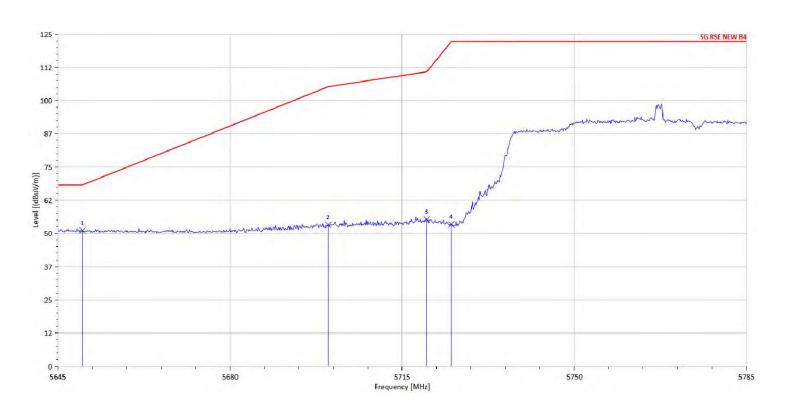


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Operation Mode: 802.11ac80B4 Test Date: 2018/1/11

Fundamental Frequency: 5755 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: BE CH LOW Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Vertical Н



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|---------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 5650.00 | S | Peak | 41.76 | 9.33 | 51.09 | 68.23 | -17.14 |
| 5700.00 | S | Peak | 43.79 | 9.44 | 53.23 | 105.23 | -52.00 |
| 5720.00 | S | Peak | 46.05 | 9.28 | 55.33 | 110.83 | -55.50 |
| 5725.00 | Ε | Peak | 44.09 | 9.30 | 53.39 | 122.23 | -68.84 |

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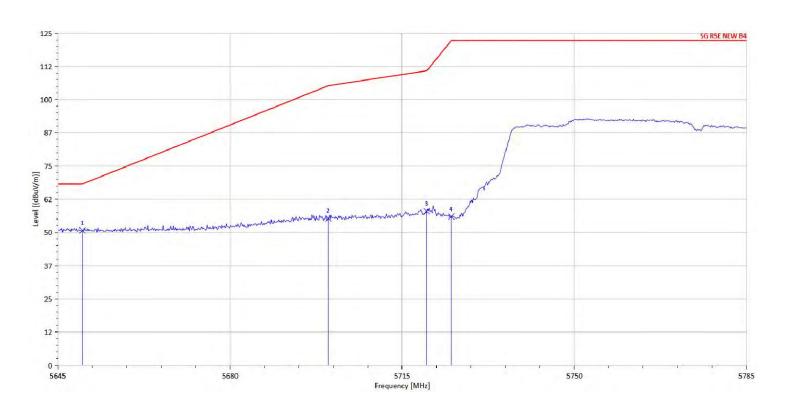


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Operation Mode: 802.11ac80B4 Test Date: 2018/1/11

Fundamental Frequency: 5755 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: BE CH LOW Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Horizontal



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|---------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 5650.00 | S | Peak | 41.43 | 9.33 | 50.76 | 68.23 | -17.47 |
| 5700.00 | S | Peak | 45.88 | 9.44 | 55.32 | 105.23 | -49.91 |
| 5720.00 | S | Peak | 48.69 | 9.28 | 57.97 | 110.83 | -52.86 |
| 5725.00 | Ε | Peak | 46.68 | 9.30 | 55.98 | 122.23 | -66.25 |

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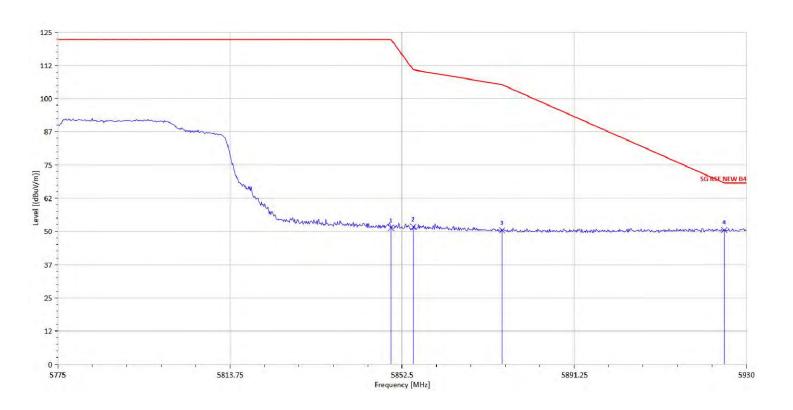


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Operation Mode: 802.11ac80B4 Test Date: 2018/1/11

Fundamental Frequency: 5755 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: BE CH HIGH Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Vertical



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|---------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 5850.00 | E | Peak | 41.85 | 9.49 | 51.34 | 122.23 | -70.89 |
| 5855.00 | S | Peak | 42.10 | 9.58 | 51.68 | 110.83 | -59.15 |
| 5875.00 | S | Peak | 40.78 | 9.63 | 50.41 | 105.23 | -54.82 |
| 5925.00 | S | Peak | 40.51 | 10.01 | 50.52 | 68.23 | -17.71 |

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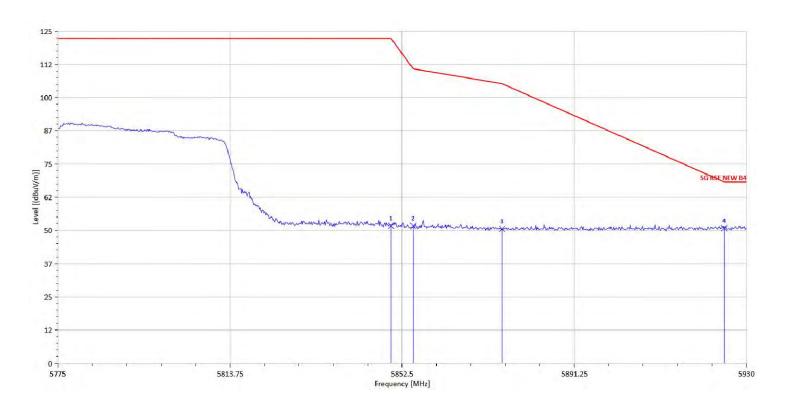


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Operation Mode: 802.11ac80B4 Test Date: 2018/1/11

Fundamental Frequency: 5755 MHz Temp. / Humi. : 22.7deg C/57RH

Operation Band: BE CH HIGH Test Engineer: Ashton EUT Pol.: Measurement Antenna Pol. : Horizontal



| Freq. | Note | Detector | Spectum | Factor | Actual | Limit | Margin |
|---------|---------|----------|---------------|--------|--------|--------|--------|
| | | Mode | Reading Level | | FS | @3m | |
| MHz | F/H/E/S | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| 5850.00 | E | Peak | 42.28 | 9.49 | 51.77 | 122.23 | -70.46 |
| 5855.00 | S | Peak | 42.05 | 9.58 | 51.63 | 110.83 | -59.20 |
| 5875.00 | S | Peak | 40.95 | 9.63 | 50.58 | 105.23 | -54.65 |
| 5925.00 | S | Peak | 40.81 | 10.01 | 50.82 | 68.23 | -17.41 |

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12 TRANSMISSION IN THE ABSENCE OF DATA

Standard Applicable 12.1

According to §15.407(c)

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signaling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization a description of how this requirement is met.

12.2 Result

While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving. The EUT can detect the controlling signal of ASK message transmitting from remote device and verify whether it shall resend or discontinue transmission.

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13 FREQUENCY STABILITY

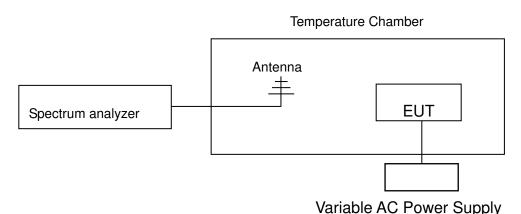
Standard Applicable 13.1

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

Measurement Procedure

- 1. The EUT was placed inside temperature chamber and powered and powered by nominal DC voltage.
- 2. Set EUT as normal operation.
- 3. Turn the EUT on and couple its output to spectrum.
- 4. Turn the EUT off and set the chamber to the highest temperature specified.
- 5. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT and measure the operating frequency.
- 6. Repeat step with the temperature chamber set to the lowest temperature.

Test SET-UP 13.3



Measurement Equipment Used: 13.4

| | SGS Conducted Room | | | | | | | | | | |
|------------------------|--------------------|----------------|------------------|---------------------|--------------------|--|--|--|--|--|--|
| Name of Equip- ment | Manufacturer | Model | Serial Number | Calibration Date | Calibration Due | | | | | | |
| Spectrum Analyzer | KEYSIGHT | N9010A | MY51440113 | 06/20/2017 | 06/19/2018 | | | | | | |
| Coaxial Cable 30cm | WOKEN | 00100A1F1A195C | RF01 | 12/24/2017 | 12/23/2018 | | | | | | |
| DC Block | PASTERNACK | PE8210 | RF29 | 12/24/2017 | 12/23/2018 | | | | | | |
| Attenuator | WOKEN | 218FS-10 | RF23 | 12/24/2017 | 12/23/2018 | | | | | | |
| DC Power Supply | Agilent | E3640A | MY53140006 | 05/02/2017 | 05/01/2018 | | | | | | |

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13.5 **Measurement Result**

Startup:

| Operation Mode | 802.11 a | Test Date | 2018.02.09 |
|----------------|----------|-----------|------------|
| Temperature | :12 ℃ | Test By | Anthony |
| Humidity | :72 % | | |

| Test Temp. | Test Voltage | Channel | Measured Frequency (MHz) | Spectrum Frequency (MHz) | ΔFrequency (MHz) |
|------------|--------------|---------|--------------------------------|--------------------------------|---------------------|
| | | 36 | 5180 | 5,179.98486 | 0.00000292 |
| | | 44 | 5220 | 5,219.98486 | 0.00000290 |
| | | 48 | 5240 | 5,239.98486 | 0.00000289 |
| | | 52 | 5260 | 5,259.98486 | 0.00000288 |
| | | 60 | 5300 | 5,299.98486 | 0.00000286 |
| | 8.74V | 64 | 5320 | 5,319.98486 | 0.00000285 |
| | | 100 | 5500 | 5,499.98486 | 0.00000275 |
| | | 116 | 5580 | 5,579.98486 | 0.00000271 |
| | | 140 | 5700 | 5,699.98486 | 0.00000266 |
| | | 149 | 5745 | 5,744.98486 | 0.00000263 |
| | | 157 | 5785 | 5,784.98486 | 0.00000262 |
| | | 165 | 5825 | 5,824.98486 | 0.00000260 |
| 0 ℃ | | 36 | 5180 | 5,179.98486 | 0.00000292 |
| | | 44 | 5220 | 5,219.98486 | 0.00000290 |
| | | 48 | 5240 | 5,239.98486 | 0.00000289 |
| | | 52 | 5260 | 5,259.98486 | 0.00000288 |
| | | 60 | 5300 | 5,299.98486 | 0.00000286 |
| | 6.46V | 64 | 5320 | 5,319.98486 | 0.00000285 |
| | | 100 | 5500 | 5,499.98486 | 0.00000275 |
| | | 116 | 5580 | 5,579.98486 | 0.00000271 |
| | | 140 | 5700 | 5,699.98486 | 0.00000266 |
| | | 149 | 5745 | 5,744.98486 | 0.00000263 |
| | | 157 | 5785 | 5,784.98486 | 0.00000262 |
| | | 165 | 5825 | 5,824.98486 | 0.00000260 |

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| | | 36 | 5180 | 5,179.98486 | 0.00000292 |
|-------------|-------|-----|------|-------------|------------|
| | | 44 | 5220 | 5,219.98486 | 0.00000290 |
| | | 48 | 5240 | 5,239.98486 | 0.00000289 |
| | | 52 | 5260 | 5,259.98486 | 0.00000288 |
| | | 60 | 5300 | 5,299.98486 | 0.00000286 |
| 25 ℃ | 7.6V | 64 | 5320 | 5,319.98486 | 0.00000285 |
| | | 100 | 5500 | 5,499.98486 | 0.00000275 |
| | | 116 | 5580 | 5,579.98486 | 0.00000271 |
| | | 140 | 5700 | 5,699.98486 | 0.00000266 |
| | | 149 | 5745 | 5,744.98486 | 0.00000263 |
| | | 157 | 5785 | 5,784.98486 | 0.00000262 |
| | | 165 | 5825 | 5,824.98486 | 0.00000260 |
| | | 0.0 | E400 | E 170 00400 | 0.0000000 |
| | | 36 | 5180 | 5,179.98486 | 0.00000292 |
| | | 44 | 5220 | 5,219.98486 | 0.00000290 |
| | | 48 | 5240 | 5,239.98486 | 0.00000289 |
| | | 52 | 5260 | 5,259.98486 | 0.00000288 |
| | | 60 | 5300 | 5,299.98486 | 0.00000286 |
| | | 64 | 5320 | 5,319.98486 | 0.00000285 |
| | 8.74V | 100 | 5500 | 5,499.98486 | 0.00000275 |
| | | 116 | 5580 | 5,579.98486 | 0.00000271 |
| | | 140 | 5700 | 5,699.98486 | 0.00000266 |
| | | 149 | 5745 | 5,744.98486 | 0.00000263 |
| | | 157 | 5785 | 5,784.98486 | 0.00000262 |
| | | 165 | 5825 | 5,824.98486 | 0.00000260 |
| 35 ℃ | | 36 | 5180 | 5,179.98486 | 0.00000292 |
| | | 44 | 5220 | 5,219.98486 | 0.00000290 |
| | | 48 | 5240 | 5,239.98486 | 0.00000289 |
| | | 52 | 5260 | 5,259.98486 | 0.00000288 |
| | | 60 | 5300 | 5,299.98486 | 0.00000286 |
| | 6.46V | 64 | 5320 | 5,319.98486 | 0.00000285 |
| | | 100 | 5500 | 5,499.98486 | 0.00000275 |
| | | 116 | 5580 | 5,579.98486 | 0.00000271 |
| | | 140 | 5700 | 5,699.98486 | 0.00000266 |
| | | 149 | 5745 | 5,744.98486 | 0.00000263 |
| | | 157 | 5785 | 5,784.98486 | 0.00000262 |
| | | 165 | 5825 | 5,824.98486 | 0.00000260 |
| | | | | | |

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| Operation Mode | 802.11 n_HT40 | Test Date | 2018.02.09 |
|----------------|---------------|-----------|------------|
| Temperature | :12 ℃ | Test By | Anthony |
| Humidity | :72 % | | |

| Test Temp. | Test Voltage | Channel | Measured Frequency (MHz) | Spectrum Frequency (MHz) | ΔFrequency (MHz) |
|------------|--------------|---------|--------------------------------|--------------------------------|---------------------|
| | | 38 | 5190 | 5,190.00000 | 0.00000000 |
| | | 46 | 5230 | 5,230.00000 | 0.00000000 |
| | | 54 | 5270 | 5,270.00000 | 0.00000000 |
| | | 62 | 5310 | 5,310.00000 | 0.00000000 |
| | 8.74V | 102 | 5510 | 5,510.00000 | 0.00000000 |
| | | 110 | 5550 | 5,550.00000 | 0.00000000 |
| | | 134 | 5670 | 5,670.00000 | 0.00000000 |
| | | 142 | 5710 | 5,710.00000 | 0.00000000 |
| | | 151 | 5755 | 5,755.00000 | 0.00000000 |
| 0 ℃ | | 159 | 5795 | 5,795.00000 | 0.00000000 |
| | | 38 | 5190 | 5,190.00000 | 0.00000000 |
| | | 46 | 5230 | 5,230.00000 | 0.00000000 |
| | | 54 | 5270 | 5,270.00000 | 0.00000000 |
| | | 62 | 5310 | 5,310.00000 | 0.00000000 |
| | 6.46V | 102 | 5510 | 5,510.00000 | 0.00000000 |
| | | 110 | 5550 | 5,550.00000 | 0.00000000 |
| | | 134 | 5670 | 5,670.00000 | 0.00000000 |
| | | 142 | 5710 | 5,710.00000 | 0.00000000 |
| | | 151 | 5755 | 5,755.00000 | 0.00000000 |
| | | 159 | 5795 | 5,795.00000 | 0.00000000 |

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| | | | | 1 | 1 |
|-------|-------|-----|------|-------------|-------------|
| | | 38 | 5190 | 5,190.00000 | 0.00000000 |
| | | 46 | 5230 | 5,230.00000 | 0.00000000 |
| | | 54 | 5270 | 5,270.00000 | 0.00000000 |
| | | 62 | 5310 | 5,310.00000 | 0.00000000 |
| 25 ℃ | 7.6V | 102 | 5510 | 5,510.00000 | 0.00000000 |
| | | 110 | 5550 | 5,550.00000 | 0.00000000 |
| | | 134 | 5670 | 5,670.00000 | 0.00000000 |
| | | 142 | 5710 | 5,710.00000 | 0.00000000 |
| | | 151 | 5755 | 5,755.00000 | 0.00000000 |
| | | 159 | 5795 | 5,795.00000 | 0.00000000 |
| | | 38 | 5190 | 5,190.00000 | 0.00000000 |
| | | 46 | 5230 | 5,230.00000 | 0.00000000 |
| | | 54 | 5270 | 5,270.00000 | 0.00000000 |
| | 8.74V | 62 | 5310 | 5,310.00000 | 0.00000000 |
| | | 102 | 5510 | 5,510.00000 | 0.00000000 |
| | | 110 | 5550 | 5,550.00000 | 0.00000000 |
| | | 134 | 5670 | 5,670.00000 | 0.00000000 |
| | | 142 | 5710 | 5,710.00000 | 0.00000000 |
| | | 151 | 5755 | 5,755.00000 | 0.00000000 |
| | | 159 | 5795 | 5,795.00000 | 0.00000000 |
| 35 °C | | 38 | 5190 | 5,190.00000 | 0.00000000 |
| | | 46 | 5230 | 5,230.00000 | 0.00000000 |
| | | 54 | 5270 | 5,270.00000 | 0.00000000 |
| | | 62 | 5310 | 5,310.00000 | 0.00000000 |
| | 6.46V | 102 | 5510 | 5,510.00000 | 0.00000000 |
| | | 110 | 5550 | 5,550.00000 | 0.00000000 |
| | | 134 | 5670 | 5,670.00000 | 0.00000000 |
| | | 142 | 5710 | 5,710.00428 | -0.00000075 |
| | | 151 | 5755 | 5,755.00000 | 0.00000000 |
| | | 159 | 5795 | 5,795.00000 | 0.00000000 |

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| Operation Mode | 802.11 ac_VHT80 | Test Date | 2018.02.09 |
|----------------|-----------------|-----------|------------|
| Temperature | :12 ℃ | Test By | Anthony |
| Humidity | :72 % | - | - |

| Test Temp. | Test Voltage | Channel | Measured Frequency (MHz) | Spectrum Frequency (MHz) | ΔFrequency (MHz) |
|------------|--------------|---------|--------------------------------|--------------------------------|---------------------|
| | | 42 | 5210 | 5,210.00000 | 0.00000000 |
| | | 58 | 5290 | 5,290.00000 | 0.00000000 |
| | 8.74V | 106 | 5530 | 5,530.00000 | 0.00000000 |
| | | 122 | 5610 | 5,610.00000 | 0.00000000 |
| | | 138 | 5690 | 5,690.00000 | 0.00000000 |
| 0 ℃ | | 155 | 5775 | 5,775.00000 | 0.00000000 |
| | | 42 | 5210 | 5,210.00000 | 0.00000000 |
| | | 58 | 5290 | 5,290.00000 | 0.00000000 |
| | 6.46V | 106 | 5530 | 5,530.00000 | 0.00000000 |
| | | 122 | 5610 | 5,610.00000 | 0.00000000 |
| | | 138 | 5690 | 5,690.00000 | 0.00000000 |
| | | 155 | 5775 | 5,775.00000 | 0.00000000 |
| | | 42 | 5210 | 5,210.00000 | 0.00000000 |
| | | 58 | 5290 | 5,290.00000 | 0.00000000 |
| 25 °C | 7.6V | 106 | 5530 | 5,530.00000 | 0.00000000 |
| | | 122 | 5610 | 5,610.00000 | 0.00000000 |
| | | 138 | 5690 | 5,690.00000 | 0.00000000 |
| | | 155 | 5775 | 5,775.00000 | 0.00000000 |
| | | 42 | 5210 | 5,210.00000 | 0.00000000 |
| | | 58 | 5290 | 5,290.00000 | 0.00000000 |
| | 8.74V | 106 | 5530 | 5,530.00000 | 0.00000000 |
| | | 122 | 5610 | 5,610.00000 | 0.00000000 |
| | | 138 | 5690 | 5,690.00000 | 0.00000000 |
| 35 °C | | 155 | 5775 | 5,775.00000 | 0.00000000 |
| | | 42 | 5210 | 5,210.00000 | 0.00000000 |
| | | 58 | 5290 | 5,290.00000 | 0.00000000 |
| | 6.46V | 106 | 5530 | 5,530.00000 | 0.00000000 |
| | 2.70. | 122 | 5610 | 5,610.00000 | 0.00000000 |
| | | 138 | 5690 | 5,690.00000 | 0.00000000 |
| | | 155 | 5775 | 5,775.00000 | 0.00000000 |

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2 Minutes:

| Operation Mode | 802.11 a | Test Date | 2018.02.09 |
|----------------|----------|-----------|------------|
| Temperature | :12 ℃ | Test By | Anthony |
| Humidity | :72 % | | |

| | | | Measured | Spectrum | A.F.,,, |
|------------|--------------|---------|-----------|-------------|------------|
| Test Temp. | Test Voltage | Channel | Frequency | Frequency | ΔFrequency |
| | | | (MHz) | (MHz) | (MHz) |
| | | 36 | 5180 | 5,179.93564 | 0.00001242 |
| | | 44 | 5220 | 5,219.95261 | 0.00000908 |
| | | 48 | 5240 | 5,239.98620 | 0.00000263 |
| | | 52 | 5260 | 5,259.99279 | 0.00000137 |
| | | 60 | 5300 | 5,299.99573 | 0.00000081 |
| | 8.74V | 64 | 5320 | 5,319.99970 | 0.00000006 |
| | | 100 | 5500 | 5,499.92046 | 0.00001446 |
| | | 116 | 5580 | 5,579.91726 | 0.00001483 |
| | | 140 | 5700 | 5,699.93881 | 0.00001074 |
| | | 149 | 5745 | 5,744.99637 | 0.0000063 |
| | | 157 | 5785 | 5,784.98238 | 0.00000305 |
| | | 165 | 5825 | 5,824.91559 | 0.00001449 |
| 0 ℃ | | 36 | 5180 | 5,179.91110 | 0.00001716 |
| | | 44 | 5220 | 5,219.90713 | 0.00001779 |
| | | 48 | 5240 | 5,239.91220 | 0.00001676 |
| | | 52 | 5260 | 5,259.91839 | 0.00001552 |
| | | 60 | 5300 | 5,299.93484 | 0.00001229 |
| | 6.46V | 64 | 5320 | 5,319.96795 | 0.00000602 |
| | | 100 | 5500 | 5,499.90776 | 0.00001677 |
| | | 116 | 5580 | 5,579.95087 | 0.00000880 |
| | | 140 | 5700 | 5,699.94473 | 0.00000970 |
| | | 149 | 5745 | 5,744.91610 | 0.00001460 |
| | | 157 | 5785 | 5,784.93990 | 0.00001039 |
| | | 165 | 5825 | 5,824.95221 | 0.00000820 |

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| | | 00 | E400 | E 470 00E74 | 0.00001041 |
|-------|-------|-----|------|-------------|------------|
| | | 36 | 5180 | 5,179.93571 | 0.00001241 |
| | | 44 | 5220 | 5,219.92515 | 0.00001434 |
| | | 48 | 5240 | 5,239.93837 | 0.00001176 |
| | | 52 | 5260 | 5,259.93920 | 0.00001156 |
| | | 60 | 5300 | 5,299.96188 | 0.00000719 |
| 25 ℃ | 7.6V | 64 | 5320 | 5,319.95482 | 0.00000849 |
| | | 100 | 5500 | 5,499.94812 | 0.00000943 |
| | | 116 | 5580 | 5,579.91974 | 0.00001438 |
| | | 140 | 5700 | 5,699.93917 | 0.00001067 |
| | | 149 | 5745 | 5,744.93771 | 0.00001084 |
| | | 157 | 5785 | 5,784.97047 | 0.00000510 |
| | | 165 | 5825 | 5,824.99906 | 0.00000016 |
| | | | | · | |
| | | 36 | 5180 | 5,179.94752 | 0.00001013 |
| | | 44 | 5220 | 5,219.90633 | 0.00001794 |
| | | 48 | 5240 | 5,239.91887 | 0.00001548 |
| | | 52 | 5260 | 5,259.98320 | 0.00000319 |
| | | 60 | 5300 | 5,299.90628 | 0.00001768 |
| | | 64 | 5320 | 5,319.94533 | 0.00001028 |
| | 8.74V | 100 | 5500 | 5,499.90035 | 0.00001812 |
| | | 116 | 5580 | 5,579.92946 | 0.00001264 |
| | | 140 | 5700 | 5,699.97101 | 0.00000509 |
| | | 149 | 5745 | 5,744.96398 | 0.00000627 |
| | | 157 | 5785 | 5,784.96256 | 0.00000647 |
| | | 165 | 5825 | 5,824.95871 | 0.00000709 |
| 35 °C | | 36 | 5180 | 5,179.93614 | 0.00001233 |
| | | 44 | 5220 | 5,219.93791 | 0.00001189 |
| | | 48 | 5240 | 5,239.91395 | 0.00001642 |
| | | 52 | 5260 | 5,259.91284 | 0.00001657 |
| | | 60 | 5300 | 5,299.99697 | 0.00000057 |
| | 6.46V | 64 | 5320 | 5,319.99429 | 0.00000107 |
| | _ | 100 | 5500 | 5,499.95703 | 0.00000781 |
| | | 116 | 5580 | 5,579.94421 | 0.00001000 |
| | | 140 | 5700 | 5,699.94795 | 0.00000913 |
| | | 149 | 5745 | 5,744.90986 | 0.00001569 |
| | | 157 | 5785 | 5,784.95495 | 0.00000779 |
| | | 165 | 5825 | 5,824.94183 | 0.00000999 |
| | l . | | 5525 | 3,02 1100 | 0.0000000 |

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f (886-2) 2298-0488



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| Operation Mode | 802.11 n_HT40 | Test Date | 2018.02.09 |
|----------------|---------------|-----------|------------|
| Temperature | :12 ℃ | Test By | Anthony |
| Humidity | :72 % | | |

| Test Temp. | Test Voltage | Channel | Measured Frequency (MHz) | Spectrum Frequency (MHz) | ΔFrequency (MHz) |
|------------|--------------|---------|--------------------------------|--------------------------------|---------------------|
| | | 38 | 5190 | 5,189.93005 | 0.00001348 |
| | | 46 | 5230 | 5,229.98443 | 0.00000298 |
| | | 54 | 5270 | 5,269.91293 | 0.00001652 |
| | | 62 | 5310 | 5,309.94488 | 0.00001038 |
| | 8.74V | 102 | 5510 | 5,509.91544 | 0.00001535 |
| | | 110 | 5550 | 5,549.93804 | 0.00001116 |
| | | 134 | 5670 | 5,669.98678 | 0.00000233 |
| | | 142 | 5710 | 5,709.96382 | 0.00000634 |
| | | 151 | 5755 | 5,754.94247 | 0.00001000 |
| 0 ℃ | | 159 | 5795 | 5,794.95387 | 0.00000796 |
| | 6.46V | 38 | 5190 | 5,189.93086 | 0.00001332 |
| | | 46 | 5230 | 5,229.95194 | 0.00000919 |
| | | 54 | 5270 | 5,269.98723 | 0.00000242 |
| | | 62 | 5310 | 5,309.98545 | 0.00000274 |
| | | 102 | 5510 | 5,509.98104 | 0.00000344 |
| | | 110 | 5550 | 5,549.99908 | 0.0000017 |
| | | 134 | 5670 | 5,669.92587 | 0.00001307 |
| | | 142 | 5710 | 5,709.91566 | 0.00001477 |
| | | 151 | 5755 | 5,754.91098 | 0.00001547 |
| | | 159 | 5795 | 5,794.95871 | 0.00000713 |

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| Ţ | | | | _ | |
|-------|-------|-----|------|-------------|------------|
| | | 38 | 5190 | 5,189.91531 | 0.00001632 |
| | | 46 | 5230 | 5,229.98337 | 0.00000318 |
| | | 54 | 5270 | 5,269.92995 | 0.00001329 |
| | | 62 | 5310 | 5,309.90468 | 0.00001795 |
| 25 °C | 7.6V | 102 | 5510 | 5,509.91470 | 0.00001548 |
| | | 110 | 5550 | 5,549.91158 | 0.00001593 |
| | | 134 | 5670 | 5,669.91076 | 0.00001574 |
| | | 142 | 5710 | 5,709.99199 | 0.00000140 |
| | | 151 | 5755 | 5,754.93965 | 0.00001049 |
| | | 159 | 5795 | 5,794.94899 | 0.00000880 |
| | | 38 | 5190 | 5,189.91651 | 0.00001609 |
| | | 46 | 5230 | 5,229.97036 | 0.00000567 |
| | | 54 | 5270 | 5,269.95216 | 0.00000908 |
| | | 62 | 5310 | 5,309.98108 | 0.00000356 |
| | 8.74V | 102 | 5510 | 5,509.98621 | 0.00000250 |
| | | 110 | 5550 | 5,549.93030 | 0.00001256 |
| | | 134 | 5670 | 5,669.92333 | 0.00001352 |
| | | 142 | 5710 | 5,709.94780 | 0.00000914 |
| | | 151 | 5755 | 5,754.90507 | 0.00001650 |
| | | 159 | 5795 | 5,794.94241 | 0.00000994 |
| 35 °C | | 38 | 5190 | 5,189.90895 | 0.00001754 |
| | | 46 | 5230 | 5,229.95336 | 0.00000892 |
| | | 54 | 5270 | 5,269.98513 | 0.00000282 |
| | | 62 | 5310 | 5,309.91383 | 0.00001623 |
| | 6.46V | 102 | 5510 | 5,509.90803 | 0.00001669 |
| | | 110 | 5550 | 5,549.92659 | 0.00001323 |
| | | 134 | 5670 | 5,669.90370 | 0.00001698 |
| | | 142 | 5710 | 5,709.90645 | 0.00001638 |
| | | 151 | 5755 | 5,754.91669 | 0.00001448 |
| | | 159 | 5795 | 5,794.94572 | 0.00000937 |

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| Operation Mode | 802.11 ac_VHT80 | Test Date | 2018.02.09 |
|----------------|-----------------|-----------|------------|
| Temperature | :12 ℃ | Test By | Anthony |
| Humidity | :72 % | | |

| Test Temp. | Test Voltage | Channel | Measured Frequency (MHz) | Spectrum Frequency (MHz) | ΔFrequency (MHz) |
|------------|--------------|---------|--------------------------------|--------------------------------|---------------------|
| | | 42 | 5210 | 5,209.92086 | 0.00001519 |
| | | 58 | 5290 | 5,289.94896 | 0.00000965 |
| | 8.74V | 106 | 5530 | 5,529.91971 | 0.00001452 |
| | | 122 | 5610 | 5,609.93825 | 0.00001101 |
| | | 138 | 5690 | 5,689.94077 | 0.00001041 |
| 0 ℃ | | 155 | 5775 | 5,774.96584 | 0.00000592 |
| | | 42 | 5210 | 5,209.90087 | 0.00001903 |
| | | 58 | 5290 | 5,289.91470 | 0.00001612 |
| | 6.46V | 106 | 5530 | 5,529.92106 | 0.00001427 |
| | | 122 | 5610 | 5,609.91667 | 0.00001485 |
| | | 138 | 5690 | 5,689.97932 | 0.00000363 |
| | | 155 | 5775 | 5,774.93596 | 0.00001109 |
| | | 42 | 5210 | 5,209.98463 | 0.00000295 |
| | | 58 | 5290 | 5,289.91121 | 0.00001678 |
| 25 °C | 7.6V | 106 | 5530 | 5,529.96284 | 0.00000672 |
| | | 122 | 5610 | 5,609.92550 | 0.00001328 |
| | | 138 | 5690 | 5,689.92869 | 0.00001253 |
| | | 155 | 5775 | 5,774.97561 | 0.00000422 |
| | | 42 | 5210 | 5,209.96801 | 0.00000614 |
| | | 58 | 5290 | 5,289.90183 | 0.00001856 |
| | 8.74V | 106 | 5530 | 5,529.99835 | 0.00000030 |
| | | 122 | 5610 | 5,609.90400 | 0.00001711 |
| | | 138 | 5690 | 5,689.93289 | 0.00001179 |
| 35 °C | | 155 | 5775 | 5,774.98791 | 0.00000209 |
| | | 42 | 5210 | 5,209.91586 | 0.00001615 |
| | | 58 | 5290 | 5,289.98760 | 0.00000234 |
| | 6.46V | 106 | 5530 | 5,529.90455 | 0.00001726 |
| | | 122 | 5610 | 5,609.95871 | 0.00000736 |
| | | 138 | 5690 | 5,689.90887 | 0.00001602 |
| | | 155 | 5775 | 5,774.97607 | 0.00000414 |

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5 Minutes:

| Operation Mode | 802.11 a | Test Date | 2018.02.09 |
|----------------|----------|-----------|------------|
| Temperature | :12 ℃ | Test By | Anthony |
| Humidity | :72 % | | |

| Test Temp. | Test Voltage | Channel | Measured Frequency (MHz) | Spectrum Frequency (MHz) | ΔFrequency (MHz) |
|------------|--------------|---------|--------------------------------|--------------------------------|---------------------|
| | | 36 | 5180 | 5,179.96327 | 0.00000709 |
| | | 44 | 5220 | 5,219.93106 | 0.00001321 |
| | | 48 | 5240 | 5,239.95338 | 0.00000890 |
| | | 52 | 5260 | 5,259.93753 | 0.00001188 |
| | | 60 | 5300 | 5,299.92870 | 0.00001345 |
| | 8.74V | 64 | 5320 | 5,319.98715 | 0.00000242 |
| | | 100 | 5500 | 5,499.93198 | 0.00001237 |
| | | 116 | 5580 | 5,579.97181 | 0.00000505 |
| | | 140 | 5700 | 5,699.98106 | 0.00000332 |
| | | 149 | 5745 | 5,744.91454 | 0.00001488 |
| | | 157 | 5785 | 5,784.98260 | 0.00000301 |
| | | 165 | 5825 | 5,824.92187 | 0.00001341 |
| 0 ℃ | | 36 | 5180 | 5,179.98629 | 0.00000265 |
| | | 44 | 5220 | 5,219.99884 | 0.00000022 |
| | | 48 | 5240 | 5,239.91444 | 0.00001633 |
| | | 52 | 5260 | 5,259.95830 | 0.00000793 |
| | | 60 | 5300 | 5,299.93694 | 0.00001190 |
| | 6.46V | 64 | 5320 | 5,319.94108 | 0.00001108 |
| | | 100 | 5500 | 5,499.93519 | 0.00001178 |
| | | 116 | 5580 | 5,579.97021 | 0.00000534 |
| | | 140 | 5700 | 5,699.94340 | 0.00000993 |
| | | 149 | 5745 | 5,744.94548 | 0.00000949 |
| | | 157 | 5785 | 5,784.97699 | 0.00000398 |
| | | 165 | 5825 | 5,824.95096 | 0.00000842 |

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| | | 36 | 5180 | 5,179.97918 | 0.00000402 |
|-------|-------|-----|------|-------------|------------|
| | | 44 | 5220 | 5,219.92071 | 0.00001519 |
| | | 48 | 5240 | 5,239.91851 | 0.00001555 |
| | | 52 | 5260 | 5,259.96278 | 0.00000708 |
| | | 60 | 5300 | 5,299.98031 | 0.00000372 |
| 25 ℃ | 7.6V | 64 | 5320 | 5,319.91364 | 0.00001623 |
| | | 100 | 5500 | 5,499.96693 | 0.00000601 |
| | | 116 | 5580 | 5,579.90970 | 0.00001618 |
| | | 140 | 5700 | 5,699.95769 | 0.00000742 |
| | | 149 | 5745 | 5,744.95250 | 0.00000827 |
| | | 157 | 5785 | 5,784.99531 | 0.00000081 |
| | | 165 | 5825 | 5,824.98742 | 0.00000216 |
| | | | | | |
| | | 36 | 5180 | 5,179.90143 | 0.00001903 |
| | | 44 | 5220 | 5,219.93324 | 0.00001279 |
| | | 48 | 5240 | 5,239.98441 | 0.00000298 |
| | | 52 | 5260 | 5,259.93127 | 0.00001307 |
| | | 60 | 5300 | 5,299.99104 | 0.00000169 |
| | | 64 | 5320 | 5,319.94854 | 0.00000967 |
| | 8.74V | 100 | 5500 | 5,499.92650 | 0.00001336 |
| | | 116 | 5580 | 5,579.97457 | 0.00000456 |
| | | 140 | 5700 | 5,699.93864 | 0.00001076 |
| | | 149 | 5745 | 5,744.96174 | 0.00000666 |
| | | 157 | 5785 | 5,784.90855 | 0.00001581 |
| | | 165 | 5825 | 5,824.98675 | 0.00000227 |
| 35 °C | | 36 | 5180 | 5,179.95368 | 0.00000894 |
| | | 44 | 5220 | 5,219.95741 | 0.00000816 |
| | | 48 | 5240 | 5,239.98270 | 0.00000330 |
| | | 52 | 5260 | 5,259.93355 | 0.00001263 |
| | | 60 | 5300 | 5,299.98086 | 0.00000361 |
| | 6.46V | 64 | 5320 | 5,319.95077 | 0.00000925 |
| | | 100 | 5500 | 5,499.97787 | 0.00000402 |
| | | 116 | 5580 | 5,579.91459 | 0.00001531 |
| | | 140 | 5700 | 5,699.92512 | 0.00001314 |
| | | 149 | 5745 | 5,744.95939 | 0.00000707 |
| | | 157 | 5785 | 5,784.99608 | 0.00000068 |
| | | 165 | 5825 | 5,824.94651 | 0.00000918 |
| | • | • | | | |

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| Operation Mode | 802.11 n_HT40 | Test Date | 2018.02.09 |
|----------------|---------------|-----------|------------|
| Temperature | :12 ℃ | Test By | Anthony |
| Humidity | :72 % | | |

| Test Temp. | Test Voltage | Channel | Measured Frequency (MHz) | Spectrum Frequency (MHz) | ΔFrequency (MHz) |
|------------|--------------|---------|--------------------------------|--------------------------------|---------------------|
| | | 38 | 5190 | 5,189.99631 | 0.00000071 |
| | | 46 | 5230 | 5,229.98780 | 0.00000233 |
| | | 54 | 5270 | 5,269.91293 | 0.00001652 |
| | | 62 | 5310 | 5,309.94778 | 0.00000983 |
| | 8.74V | 102 | 5510 | 5,509.92889 | 0.00001291 |
| | | 110 | 5550 | 5,549.94856 | 0.00000927 |
| | | 134 | 5670 | 5,669.95811 | 0.00000739 |
| | | 142 | 5710 | 5,709.98583 | 0.00000248 |
| | | 151 | 5755 | 5,754.92881 | 0.00001237 |
| 0 ℃ | | 159 | 5795 | 5,794.95997 | 0.00000691 |
| | | 38 | 5190 | 5,189.98462 | 0.00000296 |
| | | 46 | 5230 | 5,229.97342 | 0.00000508 |
| | | 54 | 5270 | 5,269.97937 | 0.00000391 |
| | | 62 | 5310 | 5,309.94344 | 0.00001065 |
| | 6.46V | 102 | 5510 | 5,509.99247 | 0.00000137 |
| | | 110 | 5550 | 5,549.93125 | 0.00001239 |
| | | 134 | 5670 | 5,669.92172 | 0.00001381 |
| | | 142 | 5710 | 5,709.93756 | 0.00001094 |
| | | 151 | 5755 | 5,754.90666 | 0.00001622 |
| | | 159 | 5795 | 5,794.96780 | 0.00000556 |

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| | | 38 | 5190 | 5,189.95276 | 0.00000910 |
|-------|-------|-----|------|-------------|------------|
| | | 46 | 5230 | 5,229.97387 | 0.00000500 |
| | | 54 | 5270 | 5,269.92126 | 0.00001494 |
| | | 62 | 5310 | 5,309.91362 | 0.00001627 |
| 25 °C | 7.6V | 102 | 5510 | 5,509.91875 | 0.00001475 |
| | | 110 | 5550 | 5,549.92421 | 0.00001366 |
| | | 134 | 5670 | 5,669.98149 | 0.00000326 |
| | | 142 | 5710 | 5,709.92884 | 0.00001246 |
| | | 151 | 5755 | 5,754.98622 | 0.00000239 |
| | | 159 | 5795 | 5,794.95292 | 0.00000812 |
| | | 38 | 5190 | 5,189.97766 | 0.00000430 |
| | | 46 | 5230 | 5,229.94107 | 0.00001127 |
| | | 54 | 5270 | 5,269.99091 | 0.00000172 |
| | | 62 | 5310 | 5,309.92465 | 0.00001419 |
| | 8.74V | 102 | 5510 | 5,509.95622 | 0.00000795 |
| | | 110 | 5550 | 5,549.96534 | 0.00000625 |
| | | 134 | 5670 | 5,669.98998 | 0.00000177 |
| | | 142 | 5710 | 5,709.96144 | 0.00000675 |
| | | 151 | 5755 | 5,754.92389 | 0.00001323 |
| | | 159 | 5795 | 5,794.94126 | 0.00001014 |
| 35 °C | | 38 | 5190 | 5,189.99901 | 0.00000019 |
| | | 46 | 5230 | 5,229.98977 | 0.00000196 |
| | | 54 | 5270 | 5,269.96219 | 0.00000717 |
| | | 62 | 5310 | 5,309.91960 | 0.00001514 |
| | 6.46V | 102 | 5510 | 5,509.95082 | 0.00000893 |
| | | 110 | 5550 | 5,549.92133 | 0.00001417 |
| | | 134 | 5670 | 5,669.95582 | 0.00000779 |
| | | 142 | 5710 | 5,709.98544 | 0.00000255 |
| | | 151 | 5755 | 5,754.94467 | 0.00000961 |
| | | 159 | 5795 | 5,794.91082 | 0.00001539 |

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| Operation Mode | 802.11 ac_VHT80 | Test Date | 2018.02.09 |
|----------------|-----------------|-----------|------------|
| Temperature | :12 ℃ | Test By | Anthony |
| Humidity | :72 % | | |

| Test Temp. | Test Voltage | Channel | Measured Frequency (MHz) | Spectrum Frequency (MHz) | ΔFrequency (MHz) |
|------------|--------------|---------|--------------------------------|--------------------------------|---------------------|
| | | 42 | 5210 | 5,209.91378 | 0.00001655 |
| | | 58 | 5290 | 5,289.99778 | 0.00000042 |
| | 8.74V | 106 | 5530 | 5,529.94903 | 0.00000922 |
| | | 122 | 5610 | 5,609.99343 | 0.00000117 |
| | | 138 | 5690 | 5,689.94793 | 0.00000915 |
| 0 ℃ | | 155 | 5775 | 5,774.94993 | 0.00000867 |
| | | 42 | 5210 | 5,209.93152 | 0.00001314 |
| | | 58 | 5290 | 5,289.97000 | 0.00000567 |
| | 6.46V | 106 | 5530 | 5,529.90892 | 0.00001647 |
| | | 122 | 5610 | 5,609.98230 | 0.00000316 |
| | | 138 | 5690 | 5,689.98916 | 0.00000191 |
| | | 155 | 5775 | 5,774.97856 | 0.00000371 |
| | | 42 | 5210 | 5,209.95595 | 0.00000845 |
| | | 58 | 5290 | 5,289.93573 | 0.00001215 |
| 25 °C | 7.6V | 106 | 5530 | 5,529.96956 | 0.00000550 |
| | | 122 | 5610 | 5,609.96609 | 0.00000604 |
| | | 138 | 5690 | 5,689.99384 | 0.00000108 |
| | | 155 | 5775 | 5,774.97114 | 0.00000500 |
| | | 42 | 5210 | 5,209.95053 | 0.00000950 |
| | | 58 | 5290 | 5,289.96283 | 0.00000703 |
| | 8.74V | 106 | 5530 | 5,529.90484 | 0.00001721 |
| | | 122 | 5610 | 5,609.97475 | 0.00000450 |
| | | 138 | 5690 | 5,689.91295 | 0.00001530 |
| 35 °C | | 155 | 5775 | 5,774.99579 | 0.00000073 |
| | | 42 | 5210 | 5,209.91552 | 0.00001621 |
| | | 58 | 5290 | 5,289.91865 | 0.00001538 |
| | 6.46V | 106 | 5530 | 5,529.91917 | 0.00001462 |
| | | 122 | 5610 | 5,609.97982 | 0.00000360 |
| | | 138 | 5690 | 5,689.99642 | 0.0000063 |
| | | 155 | 5775 | 5,774.99563 | 0.00000076 |

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10 Minutes:

| Operation Mode | 802.11 a | Test Date | 2018.02.09 |
|----------------|----------|-----------|------------|
| Temperature | :12 ℃ | Test By | Anthony |
| Humidity | :72 % | | |

| | | | Measured | Spectrum | A = |
|------------|--------------|---------|-----------|-------------|------------|
| Test Temp. | Test Voltage | Channel | Frequency | Frequency | ΔFrequency |
| - | | | (MHz) | (MHz) | (MHz) |
| | | 36 | 5180 | 5,179.93976 | 0.00001163 |
| | | 44 | 5220 | 5,219.98279 | 0.00000330 |
| | | 48 | 5240 | 5,239.98280 | 0.00000328 |
| | | 52 | 5260 | 5,259.92743 | 0.00001380 |
| | | 60 | 5300 | 5,299.94528 | 0.00001032 |
| | 8.74V | 64 | 5320 | 5,319.94379 | 0.00001057 |
| | | 100 | 5500 | 5,499.96348 | 0.00000664 |
| | | 116 | 5580 | 5,579.97657 | 0.00000420 |
| | | 140 | 5700 | 5,699.94392 | 0.00000984 |
| | | 149 | 5745 | 5,744.95232 | 0.00000830 |
| | | 157 | 5785 | 5,784.99894 | 0.0000018 |
| | | 165 | 5825 | 5,824.94313 | 0.00000976 |
| 0 ℃ | | 36 | 5180 | 5,179.93094 | 0.00001333 |
| | | 44 | 5220 | 5,219.90089 | 0.00001899 |
| | | 48 | 5240 | 5,239.99779 | 0.00000042 |
| | | 52 | 5260 | 5,259.93902 | 0.00001159 |
| | | 60 | 5300 | 5,299.95831 | 0.00000787 |
| | 6.46V | 64 | 5320 | 5,319.97374 | 0.00000494 |
| | | 100 | 5500 | 5,499.99536 | 0.00000084 |
| | | 116 | 5580 | 5,579.93480 | 0.00001168 |
| | | 140 | 5700 | 5,699.90067 | 0.00001743 |
| | | 149 | 5745 | 5,744.90083 | 0.00001726 |
| | | 157 | 5785 | 5,784.91385 | 0.00001489 |
| | | 165 | 5825 | 5,824.93739 | 0.00001075 |

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| 1 | | 00 | E400 | F 470 07000 | 0.00000445 |
|-------|-------|-----|------|---------------|------------|
| | | 36 | 5180 | 5,179.97696 | 0.00000445 |
| | | 44 | 5220 | 5,219.90034 | 0.00001909 |
| | | 48 | 5240 | 5,239.96098 | 0.00000745 |
| | | 52 | 5260 | 5,259.92444 | 0.00001437 |
| | | 60 | 5300 | 5,299.97267 | 0.00000516 |
| 25 ℃ | 7.6V | 64 | 5320 | 5,319.98066 | 0.00000364 |
| | | 100 | 5500 | 5,499.92729 | 0.00001322 |
| | | 116 | 5580 | 5,579.98133 | 0.00000335 |
| | | 140 | 5700 | 5,699.91562 | 0.00001480 |
| | | 149 | 5745 | 5,744.95986 | 0.00000699 |
| | | 157 | 5785 | 5,784.90766 | 0.00001596 |
| | | 165 | 5825 | 5,824.94524 | 0.00000940 |
| | | | E400 | F 470 0 470 F | 0.00004007 |
| | | 36 | 5180 | 5,179.94785 | 0.00001007 |
| | | 44 | 5220 | 5,219.97766 | 0.00000428 |
| | | 48 | 5240 | 5,239.90603 | 0.00001793 |
| | 8.74V | 52 | 5260 | 5,259.95908 | 0.00000778 |
| | | 60 | 5300 | 5,299.90162 | 0.00001856 |
| | | 64 | 5320 | 5,319.90484 | 0.00001789 |
| | | 100 | 5500 | 5,499.97013 | 0.00000543 |
| | | 116 | 5580 | 5,579.93750 | 0.00001120 |
| | | 140 | 5700 | 5,699.93036 | 0.00001222 |
| | | 149 | 5745 | 5,744.92476 | 0.00001310 |
| | | 157 | 5785 | 5,784.94718 | 0.00000913 |
| | | 165 | 5825 | 5,824.94040 | 0.00001023 |
| 35 °C | | 36 | 5180 | 5,179.92324 | 0.00001482 |
| | | 44 | 5220 | 5,219.90729 | 0.00001776 |
| | 6.46V | 48 | 5240 | 5,239.98961 | 0.00000198 |
| | | 52 | 5260 | 5,259.95407 | 0.00000873 |
| | | 60 | 5300 | 5,299.92697 | 0.00001378 |
| | | 64 | 5320 | 5,319.98843 | 0.00000217 |
| | | 100 | 5500 | 5,499.96640 | 0.00000611 |
| | | 116 | 5580 | 5,579.94642 | 0.00000960 |
| | | 140 | 5700 | 5,699.93294 | 0.00001176 |
| | | 149 | 5745 | 5,744.95893 | 0.00000715 |
| | | 157 | 5785 | 5,784.99364 | 0.00000110 |
| | | 165 | 5825 | 5,824.96732 | 0.00000561 |
| | | - | | - | - |

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| Operation Mode | 802.11 n_HT40 | Test Date | 2018.02.09 |
|----------------|---------------|-----------|------------|
| Temperature | :12 ℃ | Test By | Anthony |
| Humidity | :72 % | | |

| Test Temp. | Test Voltage | Channel | Measured Frequency (MHz) | Spectrum Frequency (MHz) | ΔFrequency (MHz) |
|------------|--------------|---------|--------------------------------|--------------------------------|---------------------|
| | | 38 | 5190 | 5,189.98615 | 0.00000267 |
| | | 46 | 5230 | 5,229.95393 | 0.00000881 |
| | | 54 | 5270 | 5,269.94341 | 0.00001074 |
| | | 62 | 5310 | 5,309.96508 | 0.00000658 |
| | 8.74V | 102 | 5510 | 5,509.94586 | 0.00000983 |
| | | 110 | 5550 | 5,549.96346 | 0.00000658 |
| | | 134 | 5670 | 5,669.97466 | 0.00000447 |
| | | 142 | 5710 | 5,709.95463 | 0.00000795 |
| | | 151 | 5755 | 5,754.91521 | 0.00001473 |
| 0 ℃ | | 159 | 5795 | 5,794.91250 | 0.00001510 |
| | 6.46V | 38 | 5190 | 5,189.90695 | 0.00001793 |
| | | 46 | 5230 | 5,229.96545 | 0.00000661 |
| | | 54 | 5270 | 5,269.95160 | 0.00000918 |
| | | 62 | 5310 | 5,309.91712 | 0.00001561 |
| | | 102 | 5510 | 5,509.91531 | 0.00001537 |
| | | 110 | 5550 | 5,549.94460 | 0.00000998 |
| | | 134 | 5670 | 5,669.95729 | 0.00000753 |
| | | 142 | 5710 | 5,709.92488 | 0.00001316 |
| | | 151 | 5755 | 5,754.95203 | 0.00000834 |
| | | 159 | 5795 | 5,794.98306 | 0.00000292 |

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| 25 °C | 7.6V | 38 | 5190 | 5,189.90539 | 0.00001823 |
|-------|-------|-----|------|-------------|------------|
| | | 46 | 5230 | 5,229.93719 | 0.00001201 |
| | | 54 | 5270 | 5,269.96798 | 0.00000608 |
| | | 62 | 5310 | 5,309.96859 | 0.00000592 |
| | | 102 | 5510 | 5,509.91197 | 0.00001598 |
| | | 110 | 5550 | 5,549.94836 | 0.00000930 |
| | | 134 | 5670 | 5,669.95707 | 0.00000757 |
| | | 142 | 5710 | 5,709.98669 | 0.00000233 |
| | | 151 | 5755 | 5,754.99873 | 0.00000022 |
| | | 159 | 5795 | 5,794.92523 | 0.00001290 |
| | | 38 | 5190 | 5,189.92590 | 0.00001428 |
| | | 46 | 5230 | 5,229.95835 | 0.00000796 |
| | | 54 | 5270 | 5,269.97044 | 0.00000561 |
| | 8.74V | 62 | 5310 | 5,309.95915 | 0.00000769 |
| | | 102 | 5510 | 5,509.93527 | 0.00001175 |
| | | 110 | 5550 | 5,549.99068 | 0.00000168 |
| | | 134 | 5670 | 5,669.92087 | 0.00001396 |
| | | 142 | 5710 | 5,709.99194 | 0.00000141 |
| | | 151 | 5755 | 5,754.97803 | 0.00000382 |
| | | 159 | 5795 | 5,794.97181 | 0.00000486 |
| 35 °C | 6.46V | 38 | 5190 | 5,189.98319 | 0.00000324 |
| | | 46 | 5230 | 5,229.98112 | 0.00000361 |
| | | 54 | 5270 | 5,269.90239 | 0.00001852 |
| | | 62 | 5310 | 5,309.98351 | 0.00000311 |
| | | 102 | 5510 | 5,509.98358 | 0.00000298 |
| | | 110 | 5550 | 5,549.98436 | 0.00000282 |
| | | 134 | 5670 | 5,669.93983 | 0.00001061 |
| | | 142 | 5710 | 5,709.98652 | 0.00000236 |
| | | 151 | 5755 | 5,754.96681 | 0.00000577 |
| | | 159 | 5795 | 5,794.93570 | 0.00001110 |

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| Operation Mode | 802.11 ac_VHT80 | Test Date | 2018.02.09 |
|----------------|-----------------|-----------|------------|
| Temperature | :12 ℃ | Test By | Anthony |
| Humidity | :72 % | | |

| Test Temp. | Test Voltage | Channel | Measured Frequency (MHz) | Spectrum Frequency (MHz) | ΔFrequency (MHz) |
|------------|--------------|---------|--------------------------------|--------------------------------|---------------------|
| | | 42 | 5210 | 5,209.96680 | 0.00000637 |
| | | 58 | 5290 | 5,289.95900 | 0.00000775 |
| | 8.74V | 106 | 5530 | 5,529.96870 | 0.00000566 |
| | | 122 | 5610 | 5,609.96588 | 0.00000608 |
| | | 138 | 5690 | 5,689.93861 | 0.00001079 |
| 0 ℃ | | 155 | 5775 | 5,774.92518 | 0.00001296 |
| | | 42 | 5210 | 5,209.93438 | 0.00001260 |
| | | 58 | 5290 | 5,289.95299 | 0.00000889 |
| | 6.46V | 106 | 5530 | 5,529.90244 | 0.00001764 |
| | | 122 | 5610 | 5,609.97593 | 0.00000429 |
| | | 138 | 5690 | 5,689.91844 | 0.00001433 |
| | | 155 | 5775 | 5,774.98667 | 0.00000231 |
| | | 42 | 5210 | 5,209.99628 | 0.00000071 |
| | 7.6V | 58 | 5290 | 5,289.95762 | 0.00000801 |
| 25 °C | | 106 | 5530 | 5,529.92259 | 0.00001400 |
| | | 122 | 5610 | 5,609.98631 | 0.00000244 |
| | | 138 | 5690 | 5,689.95817 | 0.00000735 |
| | | 155 | 5775 | 5,774.93709 | 0.00001089 |
| | | 42 | 5210 | 5,209.99567 | 0.00000083 |
| | | 58 | 5290 | 5,289.98340 | 0.00000314 |
| | 8.74V | 106 | 5530 | 5,529.95186 | 0.00000871 |
| | | 122 | 5610 | 5,609.97486 | 0.00000448 |
| | | 138 | 5690 | 5,689.95162 | 0.00000850 |
| 35 °C | | 155 | 5775 | 5,774.98299 | 0.00000295 |
| | | 42 | 5210 | 5,209.96333 | 0.00000704 |
| | | 58 | 5290 | 5,289.93309 | 0.00001265 |
| | 6.46V | 106 | 5530 | 5,529.99493 | 0.00000092 |
| | | 122 | 5610 | 5,609.91033 | 0.00001598 |
| | | 138 | 5690 | 5,689.99435 | 0.00000099 |
| | | 155 | 5775 | 5,774.96096 | 0.00000676 |

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14 ANTENNA REQUIREMENT

Standard Applicable 14.1

According to §15.203, an intentional radiator shall be designed to ensure that no antenna other than furnished by the responsible party shall be used with the device.

According to §15.407, 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.

14.2 **Antenna Connected Construction**

PCB antenna designs are used.

The antenna is designed with unique type RF connector and no consideration of replacement. Please see EUT photo and antenna spec. for details.

The antenna gain is less than 6dBi. Therefore, it is not necessary to reduce maximum output power limit.

~ End of Report ~

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Unless otherwise stated the results shown in this test report refer only to the samplest tested and such as the provided of the samplest tested and such as the provided of the samplest tested and such as the provided of the samplest tested and such as the samplest tested and such as the provided of the samplest tested and such as the provided of the samplest tested and such as t may be prosecuted to the fullest extent of the law.