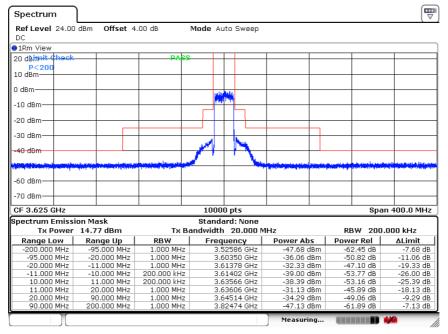
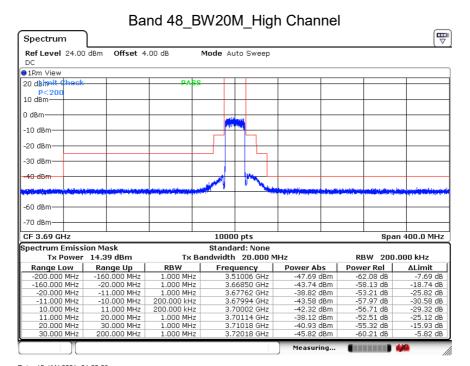


Band 48_BW20M_Middle Channel



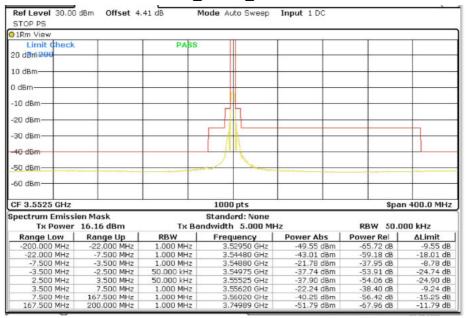
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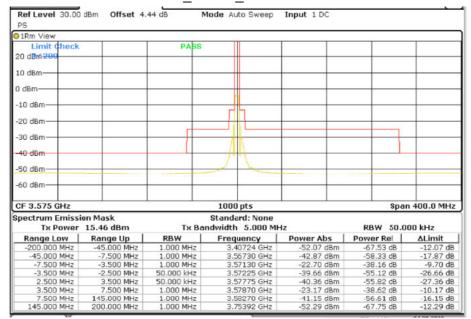
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Band 42 BW5M Low Channel

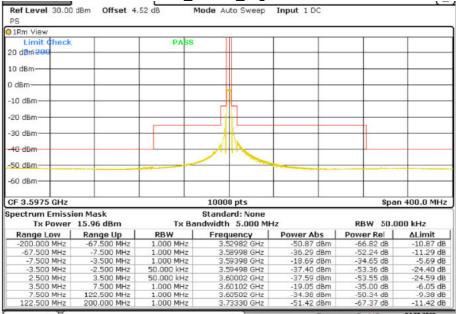


Band 42_BW5M_Middle Channel

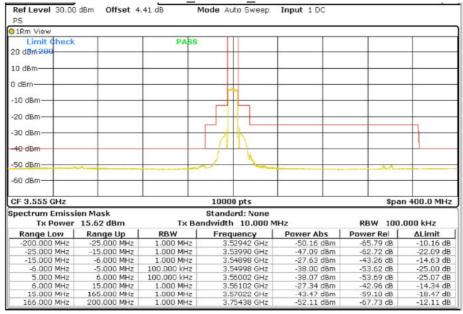






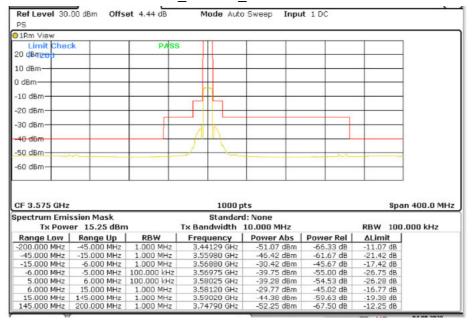


Band 42 BW10M Low Channel

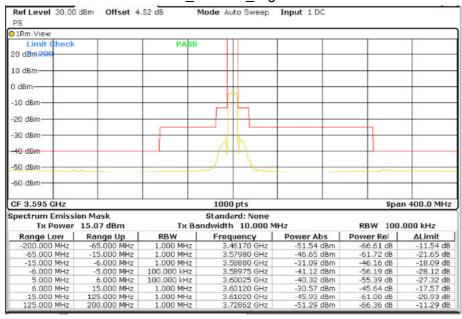




Band 42 BW10M Middle Channel

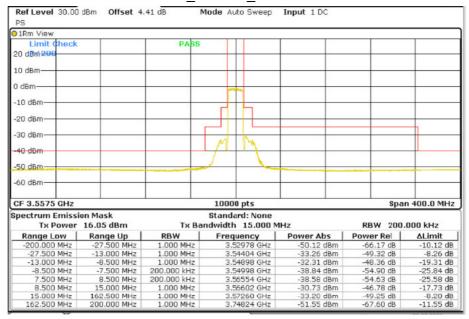


Band 42_BW10M_High Channel

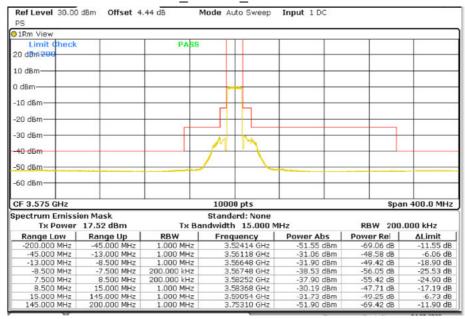




Band 42 BW15M Low Channel

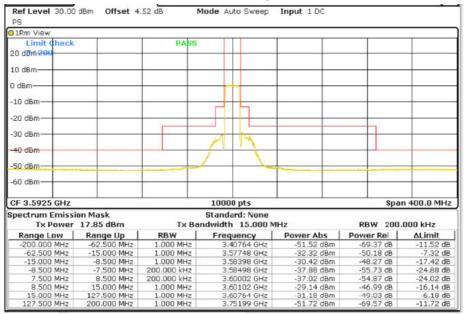


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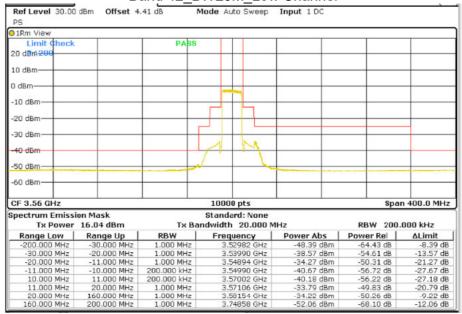




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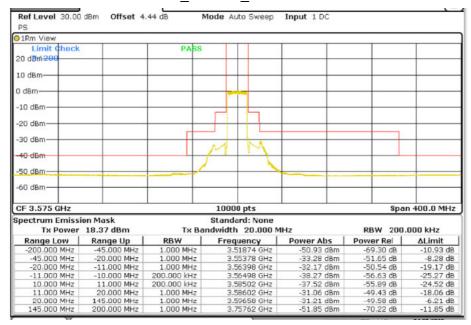


Band 42_BW20M_Low Channel

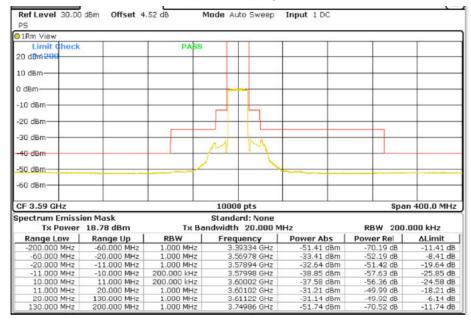




Band 42 BW20M Middle Channel

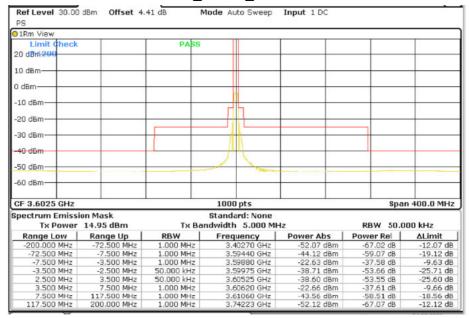


Band 42_BW20M_High Channel

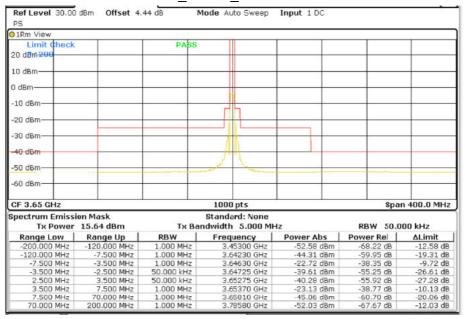




Band 43 BW5M Low Channel



Band 43 BW5M Middle Channel



22.500 200.000



Band 43_BW5M_High Channel Ref Level 30.00 dBm Offset 4.52 dB Mode Auto Sweep Input 1 DC PS 01Rm View 20 dBm 29 10 dBm 0 dBm -10 dBm--20 dBm--30 dBm-40 dBm -50 dBm--60 dBm-CF 3.6975 GHz Span 400.0 MHz 1000 pts Spectrum Emission Mask Standard: None Tx Power 15.70 dBm Tx Bandwidth 5.000 MHz RBW 50,000 kHz Range Low -200.000 MHz -167.500 MHz -7.500 MHz -3.500 MHz 2.500 MHz Range Up -167.500 MHz -7.500 MHz -3.500 MHz -2.500 MHz 3.500 MHz 7.500 MHz RBW 1.000 MHz 1.000 MHz 1.000 MHz 50.000 kHz 50.000 kHz 1.000 MHz Power Abs
-52.26 dBm
-38.59 dBm
-22.25 dBm
-41.01 dBm
-43.21 dBm
-23.05 dBm
41.40 dBm Frequency 3.52900 GHz Power Rel ΔLimit -12.26 dB -13.59 dB -9.25 dB -28.01 dB -30.21 dB -10.05 dB -67.97 dB -54.29 dB -37.95 dB -56.71 dB -58.92 dB -38.75 dB -57.19 dB -66.06 dB 3.68980 GHz 3.69380 GHz 3.69475 GHz 3.70025 GHz 3.70120 GHz

Ref Level 30.00 dBm Offset 4.41 dB Mode Auto Sweep Input 1 DC 01Rm View M2[1] Limit Check 49.47 dBr 20 dBm20 M1[1] -49.50 dBn 10 dBm 3.7385800 GHz 0 dBm -10 dBm -20 dBm -30 dBm 40 dBm -50 dBm--60 dBm Span 400.0 MHz CF 3.605 GHz 10000 pts Spectrum Emission Mask Standard: None Tx Bandwidth 10.000 MHz RBW 100.000 kHz Tx Power 15.72 dBm RBW 1.000 MHz 1.000 MHz 1.000 MHz 100.000 kHz 100.000 kHz Frequency 3,47082 GHz 3,58986 GHz 3,59898 GHz 3,59998 GHz Range Up Power Abs Power Rel | ALimit Range Low -200.000 MHz -200.000 MHz -75.000 MHz -6.000 MHz 5.000 MHz 6.000 MHz 15.000 MHz -75.000 MHz -15.000 MHz -6.000 MHz -5.000 MHz 6.000 MHz 15.000 MHz 15.000 MHz 200.000 MHz -10.86 dB -20.55 dB -14.57 dB -25.17 dB -25.02 dB -14.16 dB -19.13 dB -9.27 dB -66.58 dB -61.27 dB -43.30 dB -53.89 dB -53.75 dB -42.88 dB -59.85 dB -64.99 dB -50.86 dBm -45.55 dBm -27.57 dBm -38.17 dBm

3.61002 GHz 3.61102 GHz 3.62002 GHz 3.73842 GHz

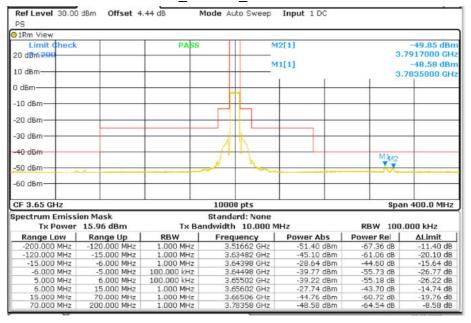
1.000 MHz 1.000 MHz 1.000 MHz

-38.02 dBm -27.16 dBm -44.13 dBm -49.27 dBm

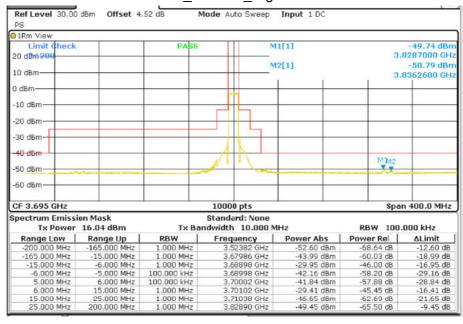
Band 43 BW10M Low Channel



Band 43 BW10M Middle Channel

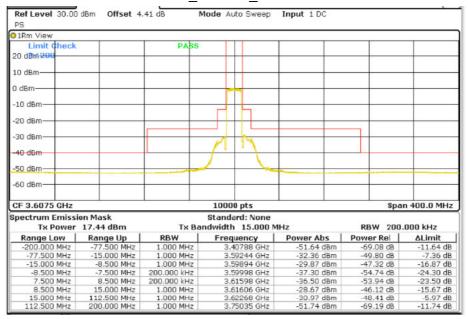


Band 43 BW10M High Channel

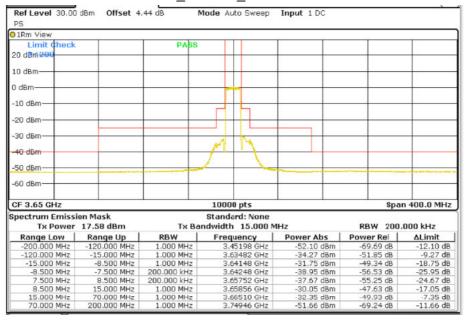




Band 43_BW15M_Low Channel

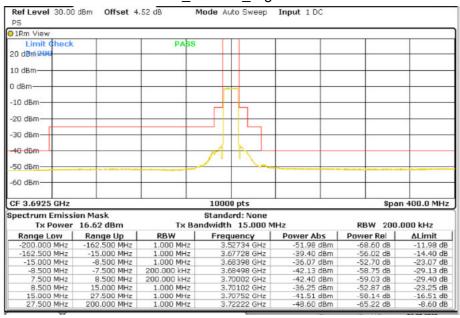


Band 43_BW15M_Middle Channel

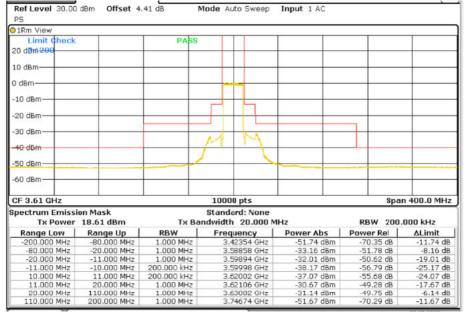




Band 43 BW15M High Channel

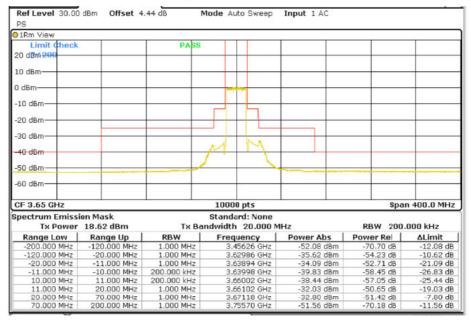


Band 43_BW20M_Low Channel

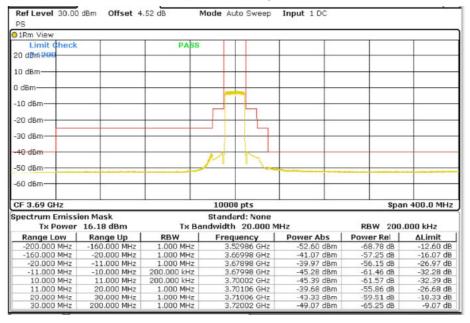




Band 43_BW20M_Middle Channel



Band 43_BW20M_High Channel





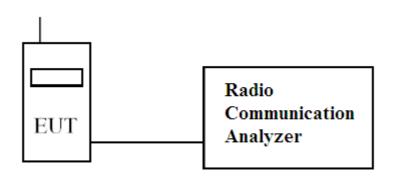
6. Spurious Emission

6.1. Test Specification

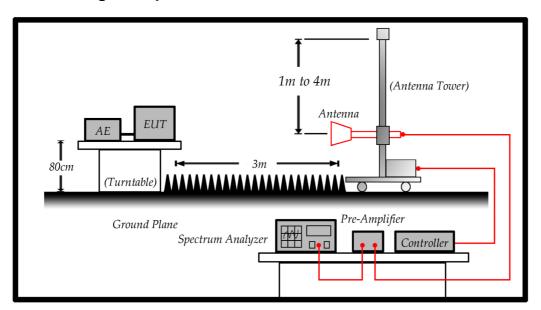
According to Part 2.1051, 96.41

6.2. Test Setup

6.2.1 Spurious emissions at antenna terminals.



6.2.2 Field strength of spurious radiation.



Note: The Worst case Mode is QPSK Mode for Radiated spurious emissions.



6.3. Limits

Limit	<-40dBm
=€	· +0aBiii

43 + 10Log(P) down on the carrier where P is the power in Watts.

6.4. Test Procedure

In accordance with Part 2.1051, 96.41, the spurious emissions from the antenna terminal were measured. The transmitter output power was attenuated using a combination of filters and attenuators and the frequency spectrum investigated from 30MHz to 40GHz. The EUT was set to transmit on full power. The EUT was tested on Low, middle and High channels for both power levels. The resolution and video bandwidth was set to 1MHz/3MHz in accordance with Part 2.1051, 96.41. The spectrum analyzer detector was set to Max Hold. In addition, measurements were made up to the 10th harmonic of the fundamental. The device was then replaced with a substitution antenna, which input signal was adjusted until the received level matched that of the previously detected emission.

- (1) The EUT is tested with maximum rated TX power via the Base Station simulator.
- (2) The EUT is tested in three orthogonal planes, The worst case was showing in this report.

The EUT is placed on a turn table which is 1.5 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

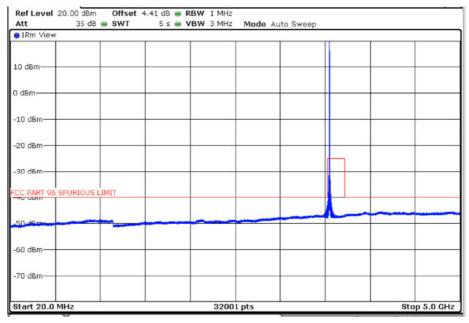
Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to TIA/EIA 603-E on radiated measurement.



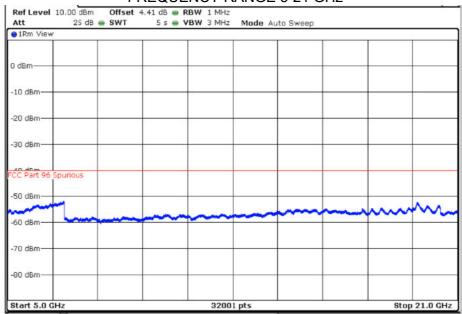
6.5. Test Result of Spurious Emission

Conducted Spurious Emission at Antenna Terminals

Band 48_BW5M_Low Channel FREQUENCY RANGE 20 MHz-5 GHz



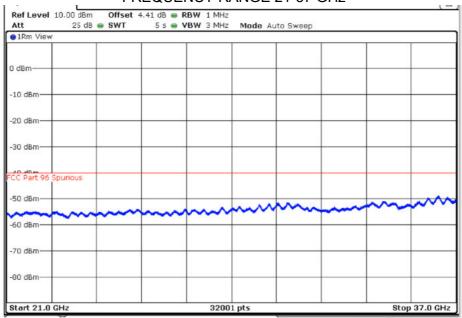
Band 48_BW5M_Low Channel FREQUENCY RANGE 5-21 GHz



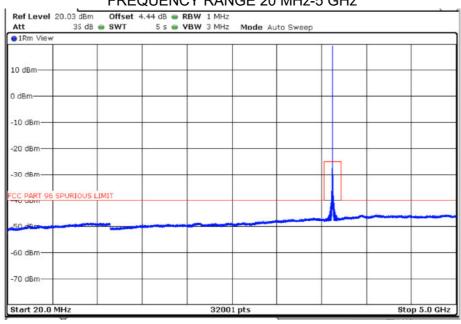
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Band 48_BW5M_Low Channel FREQUENCY RANGE 21-37 GHz



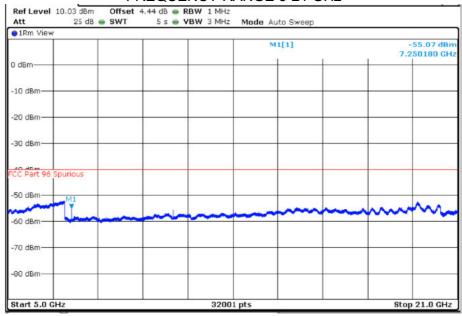
Band 48_BW5M_Middle Channel FREQUENCY RANGE 20 MHz-5 GHz



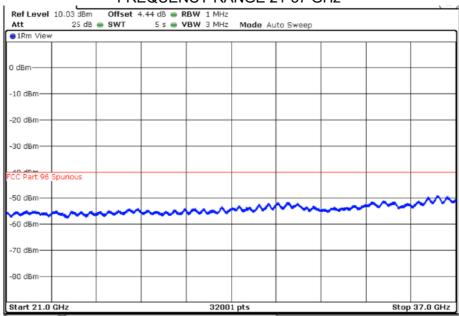
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Band 48_BW5M_Middle Channel FREQUENCY RANGE 5-21 GHz



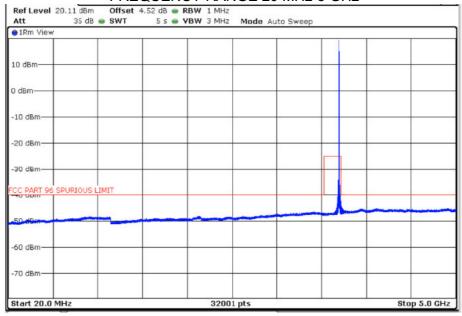
Band 48_BW5M_Middle Channel FREQUENCY RANGE 21-37 GHz



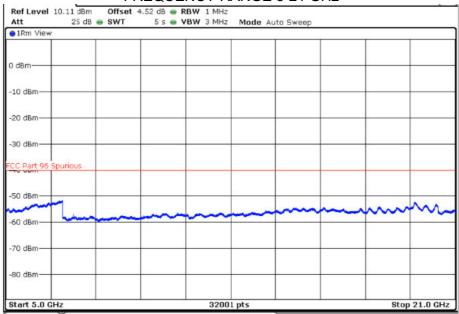
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Band 48_BW5M_High Channel FREQUENCY RANGE 20 MHz-5 GHz



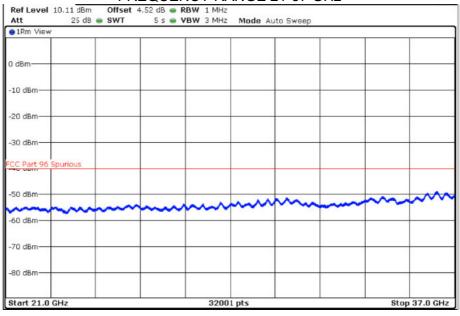
Band 48_BW5M_High Channel FREQUENCY RANGE 5-21 GHz



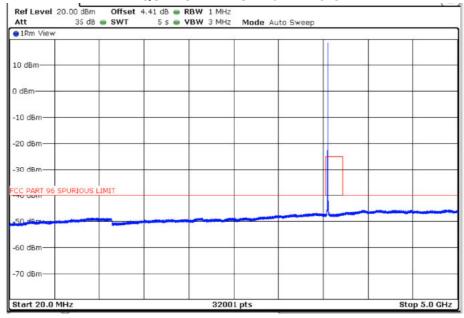
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Band 48_BW5M_High Channel FREQUENCY RANGE 21-37 GHz



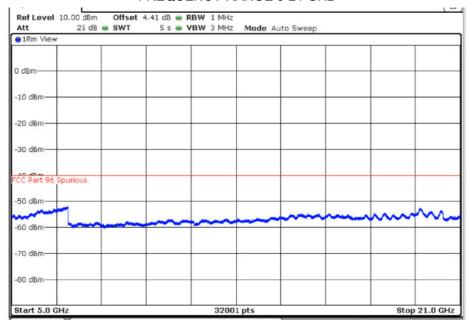
Band 48_BW10M_Low Channel FREQUENCY RANGE 20 MHz-5 GHz



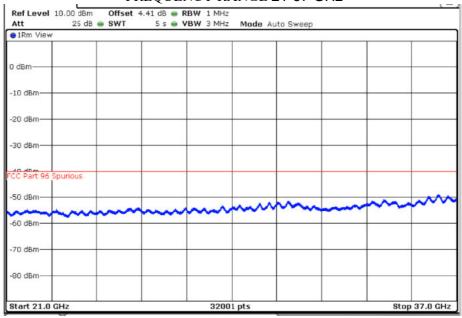
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Band 48_BW10M_Low Channel FREQUENCY RANGE 5-21 GHz



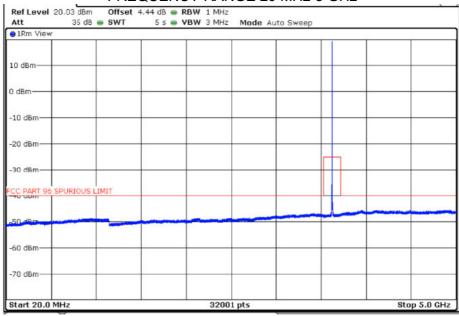
Band 48_BW10M_Low Channel FREQUENCY RANGE 21-37 GHz



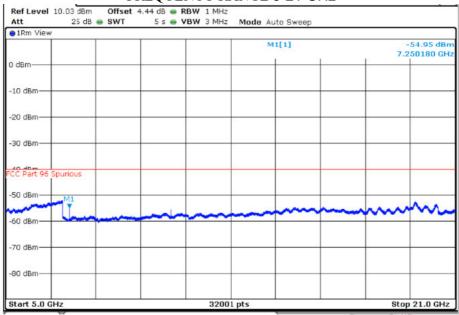
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Band 48_BW10M_Middle Channel FREQUENCY RANGE 20 MHz-5 GHz



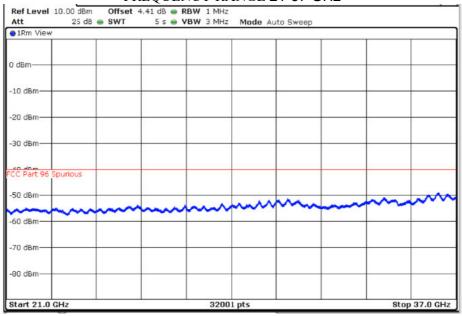
Band 48_BW10M_Middle Channel FREQUENCY RANGE 5-21 GHz



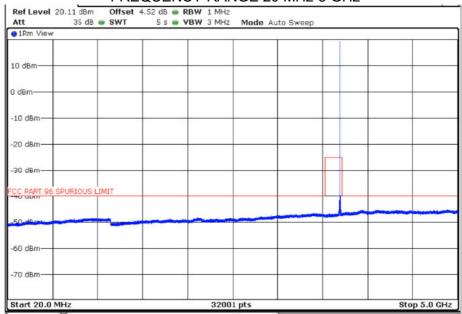
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Band 48_BW10M_Middle Channel FREQUENCY RANGE 21-37 GHz



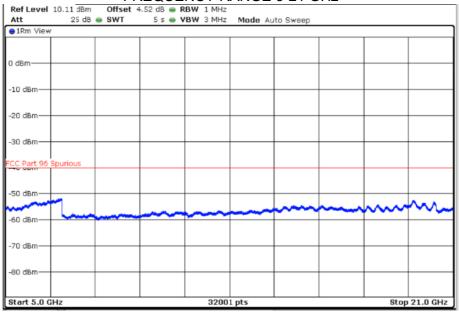
Band 48_BW10M_High Channel FREQUENCY RANGE 20 MHz-5 GHz



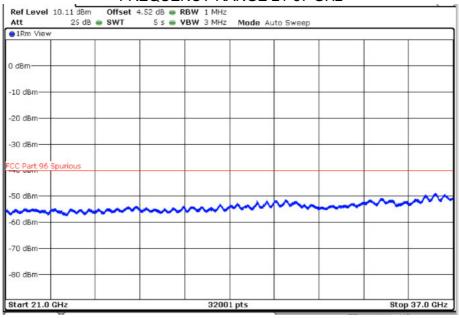
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Band 48_BW10M_High Channel FREQUENCY RANGE 5-21 GHz



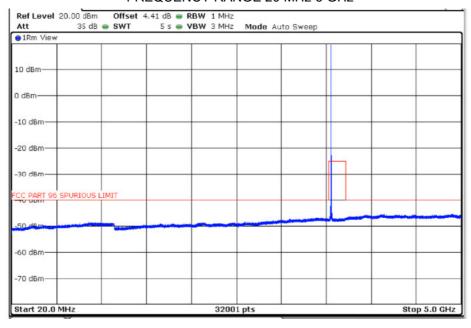
Band 48_BW10M_High Channel FREQUENCY RANGE 21-37 GHz



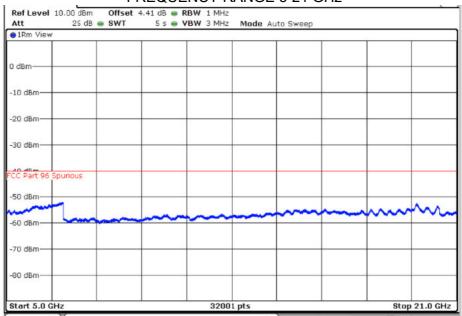
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Band 48_BW15M_Low Channel FREQUENCY RANGE 20 MHz-5 GHz



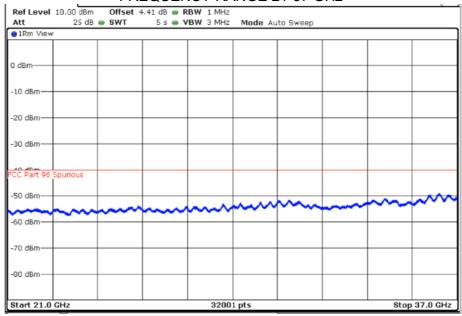
Band 48_BW15M_Low Channel FREQUENCY RANGE 5-21 GHz



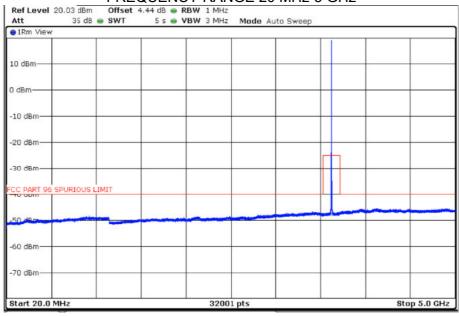
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Band 48_BW15M_Low Channel FREQUENCY RANGE 21-37 GHz



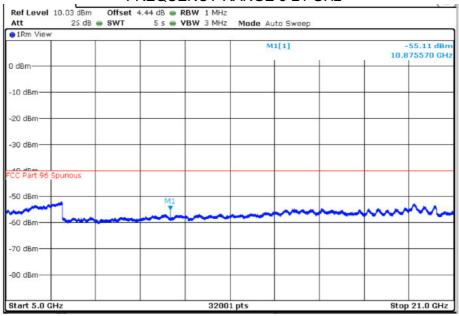
Band 48_BW15M_Middle Channel FREQUENCY RANGE 20 MHz-5 GHz



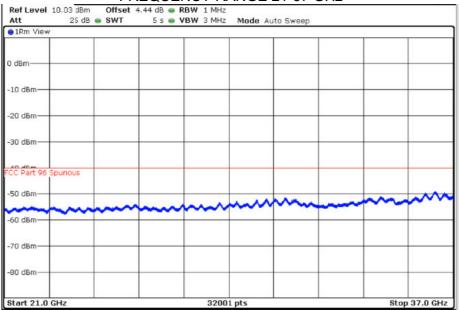
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Band 48_BW15M_Middle Channel FREQUENCY RANGE 5-21 GHz



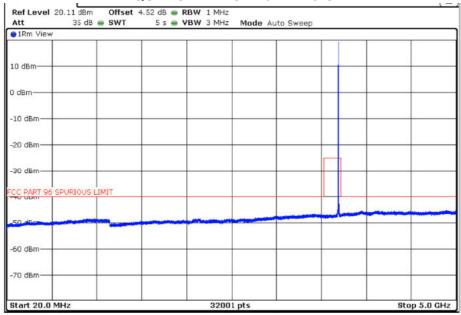
Band 48_BW15M_Middle Channel FREQUENCY RANGE 21-37 GHz



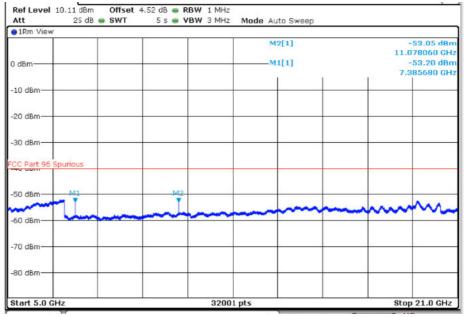
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Band 48_BW15M_High Channel FREQUENCY RANGE 20 MHz-5 GHz



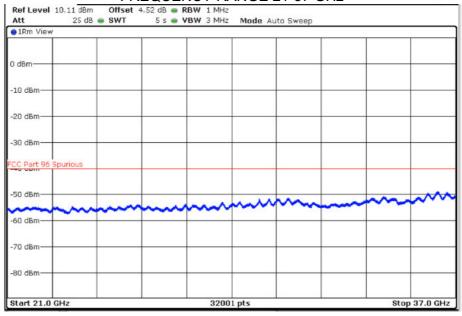
Band 48_BW15M_High Channel FREQUENCY RANGE 5-21 GHz



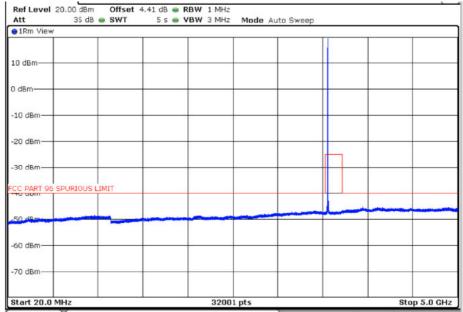
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Band 48_BW15M_High Channel FREQUENCY RANGE 21-37 GHz



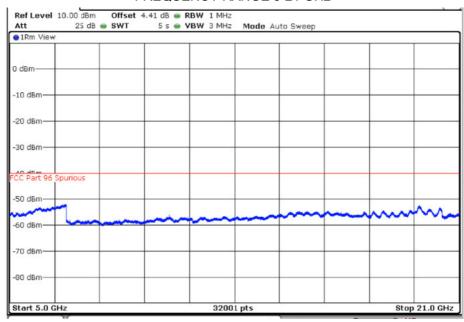
Band 48_BW20M_Low Channel FREQUENCY RANGE 20 MHz-5 GHz



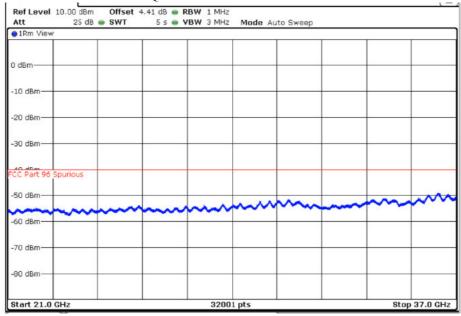
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Band 48_BW20M_Low Channel FREQUENCY RANGE 5-21 GHz



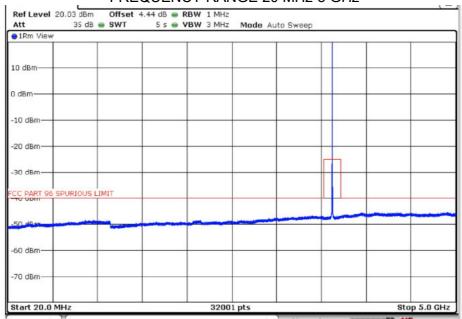
Band 48_BW20M_Low Channel FREQUENCY RANGE 21-37 GHz



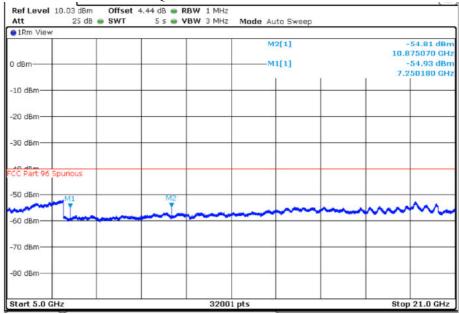
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Band 48_BW20M_Middle Channel FREQUENCY RANGE 20 MHz-5 GHz



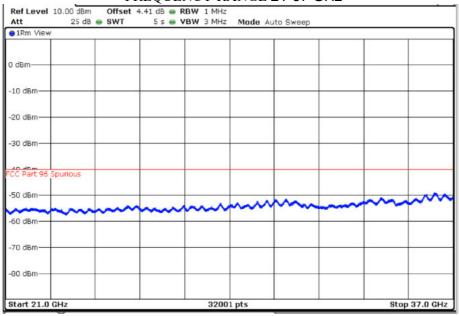
Band 48_BW20M_Middle Channel FREQUENCY RANGE 5-21 GHz



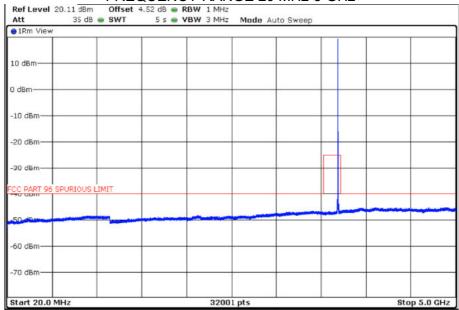
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Band 48_BW20M_Middle Channel FREQUENCY RANGE 21-37 GHz



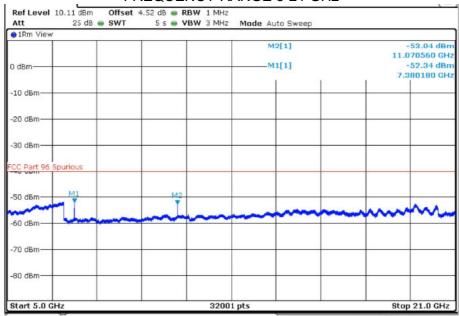
Band 48_BW20M_High Channel FREQUENCY RANGE 20 MHz-5 GHz



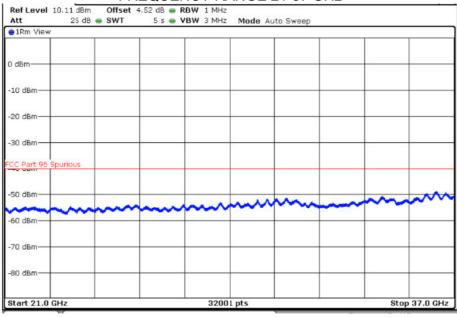
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Band 48_BW20M_High Channel FREQUENCY RANGE 5-21 GHz



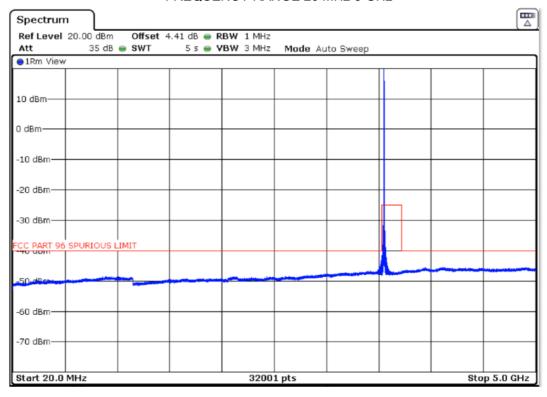
Band 48_BW20M_High Channel FREQUENCY RANGE 21-37 GHz



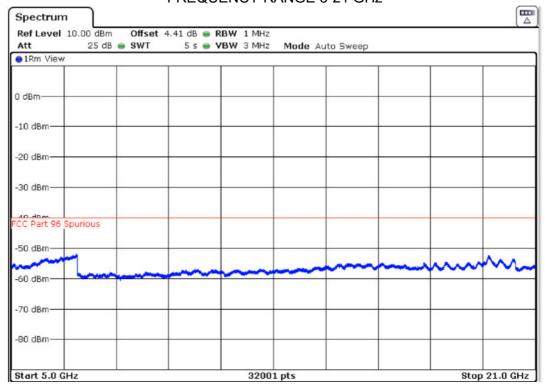
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Band 42_BW5M_Low Channel FREQUENCY RANGE 20 MHz-5 GHz



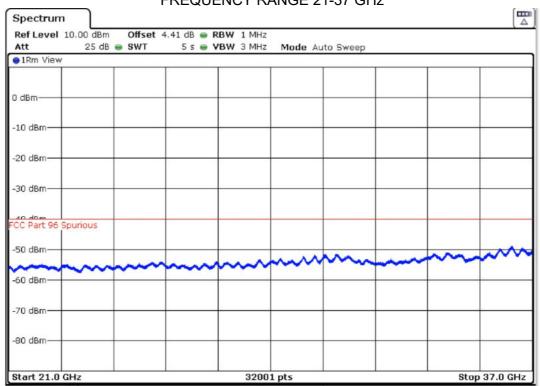
Band 42_BW5M_Low Channel FREQUENCY RANGE 5-21 GHz



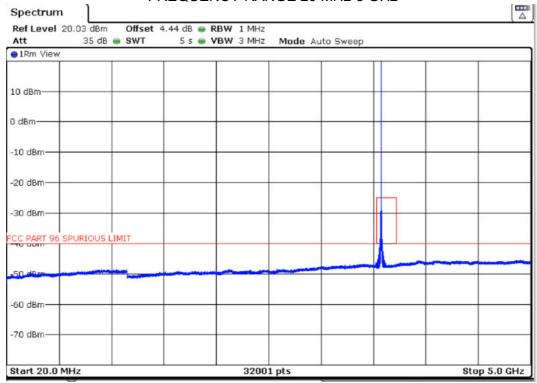
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Band 42_BW5M_Low Channel FREQUENCY RANGE 21-37 GHz



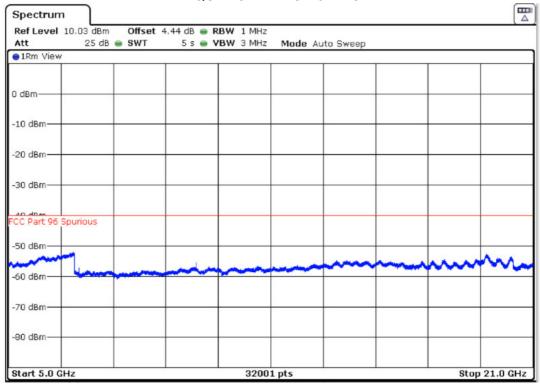
Band 42_BW5M_Middle Channel FREQUENCY RANGE 20 MHz-5 GHz



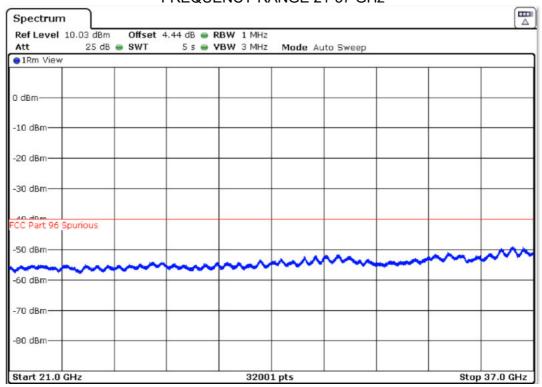
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Band 42_BW5M_Middle Channel FREQUENCY RANGE 5-21 GHz



Band 42_BW5M_Middle Channel FREQUENCY RANGE 21-37 GHz



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